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Groundwater Well Installation and Monitoring Report

Water Street Former Manufactured Gas Plant Site, Penn Yan, New York
NYSDEC Site: 862009

New York State Electric and Gas Corporation

Project number: 60648952

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Quality information

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Acronyms

ACM	Asbestos Containing Material
AECOM	AECOM USA, Inc.
AWQS/GV	Ambient Water Quality Standards and Guidance Values
BGL	Below Ground Level
bgs	Below Ground Surface
BTEX	Benzene, Toluene, Ethylbenzene, Xylene
cm/sec	Centimeters per second
BTEXN	Benzene, Toluene, Ethylbenzene, Xylene, Naphthalene
DO	Dissolved Oxygen
EC	Engineering Controls
ECL	Environmental Conservation Law
ELAP	Environmental Laboratory Approval Program
EPA	Environmental Protection Agency
FS	Feasibility Study
GME	Groundwater Monitoring Event
HSA	Hollow-Stem Auger
IC	Institutional Controls
ISMP	Interim Site Management Plan
MGP	Manufactured Gas Plant
NAPL	Non-aqueous phase liquid
NTU	Nephelometric Turbidity Units
ug/L	Micrograms per liter
NYSDEC	New York State Department of Environmental Conservation
NYSEG	New York State Electric and Gas Corporation
ORP	Oxidation Reduction Potential
PAHs	Polycyclic Aromatic Hydrocarbons
PDI	Pre-Design Investigation
PDIWP	Pre-Design Investigation Work Plan
PFAS	Per- and Polyfluoroalkyl Substances
PID	Photoionization Detector
Ppm	Parts Per Million
PVC	Poly Vinyl Chloride
RDWP	Remedial Design Work Plan
RI	Remedial Investigation
ROD	Record of Decision
SI	Supplemental Investigation
SLC	SLC Environmental Inc.
SMP	Site Management Plan
TOGS	Technical and Operational Guidance Series
TRC	TRC Companies, Inc.
UST	Underground Storage Tank
WDC	Waterfront Development and Conservation District
VOC	Volatile Organic Compound

1. Introduction

New York State Electric and Gas Corporation (NYSEG) has engaged the services of AECOM USA Inc. (AECOM) for the provision of engineering and consulting services for the Water Street Former Manufactured Gas Plant (MGP) site located in Penn Yan, New York (the Site). A Site Location Plan is provided as **Figure 1**.

This report presents the findings of the following activities completed by AECOM in January and February 2021:

- Groundwater monitoring well network modifications completed over the period January 4 – January 19, 2021 including:
  - Utility clearance
  - Well installation and development
  - Well decommissioning and conversions
  - Survey
- Groundwater monitoring event (GME) completed over the period February 22 – 24, 2021 (2021 Q1 GME).

1.1 Objectives

The objectives of the scope of work are as follows:

- Establishment of a groundwater well network to meet the requirements of ongoing groundwater monitoring activities as described in the Interim Site Management Plan (ISMP; AECOM, 2020a).
- Conduct groundwater sampling in accordance with the ISMP to assess groundwater quality.

1.2 Scope of Work

The field program was completed with reference to the following documents prepared by AECOM:

- *Penn Yan Former Manufactured Gas Plant Site, Yates County, Penn Yan, New York, Interim Site Management Plan, NYSDEC Site Number: 862009*, dated December 2020 (ISMP; AECOM, 2020a).
- *Subject: New York State Electric and Gas Corporation – Penn Yan Water Street Former MGP Site – Monitoring Well Installation and Groundwater Monitoring Event Work Plan*, dated December 30, 2020 (Work Plan; AECOM, 2020b)

Table 1 below provides an overview of the scope of work.

Table 1. Scope of Work

Task	Overview
Utility Clearance	• Utilities clearance was completed at locations PRMW-1S, PRMW-2S, and PRMW-2D prior to the commencement of drilling.
Groundwater Well Installation and Development	• Installation and development of 10 groundwater wells, namely: PRMW-1S, PRMW-2S, PRMW-2D, PRMW-3S, PRMW-3D, PRMW-4S, PRMW-5S, PRMW-5D, PRMW-6S and PRMW-6D as shown on the attached **Figure 2**.
Groundwater Well Decommissioning and Conversions	• Decommissioning of the shallow paired well (TMW-1S and TMW-2S) located at TMW-1D and TMW-2D. • TMW-1D and TMW-2D received a flush-mount curb box.
Survey	• Survey of all groundwater monitoring well locations including PRMW-1S, PRMW-2S, PRMW-2D, PRMW-3S, PRMW-3D, PRMW-4S, PRMW-5S, PRMW-5D, PRMW-6S, PRMW-6D, TMW-1D and TMW-2D.

Task	Overview
Groundwater Monitoring Event	• Completion of a GME comprising 11 monitoring wells, namely; PRMW-1S, PRMW-2S, PRMW-2D, PRMW-3S, PRMW-3D, PRMW-4S, PRMW-5S, PRMW-5D, PRMW-6S, PRMW-6D and TMW-2D. • It is noted that TMW-1D was not accessible at the time of sampling (covered in snow) and was not sampled on this occasion.
Groundwater Analyses	• All groundwater samples are analyzed for the following: ▪ BTEX ▪ PAHs ▪ Total Cyanide ▪ PFAS • It is noted that results of PFAS analysis are reported under separate cover.

Notes: BTEX – benzene, toluene, ethylbenzene, xylene; PAH – polycyclic aromatic hydrocarbons, PFAS - Per- and polyfluoroalkyl substances

2. Site Description and Background

2.1 Site Location and Description

The Site is an approximate 0.815-acre area located in the Village of Penn Yan, Town of Milo, Yates County, New York as shown in **Figure 2** attached.

An off-Site area consists of an approximate 1.7-acre portion of the Keuka Lake Outlet which is a Class C waterway. This off-Site area consists of submerged sediments beneath the Keuka Lake Outlet claimed by the State of New York.

The larger parcel has a currently vacant masonry “gas house” building which was formerly used for gas manufacturing operations. This building is located within the historic district of the Village of Penn Yan as defined by the New York State Department of Parks and Recreation. The remaining areas of the parcel consist of a mowed, grass-covered area, driveways and parking area, and a grass/brush covered riparian strip of land along Keuka Lake outlet.

The smaller parcel is located adjacent to Water Street, to the northeast of the former manufactured gas plant (MGP) process area. A small building is currently present on the parcel, housing the natural gas regulator servicing the Village of Penn Yan.

2.2 Site Setting

The Site is zoned Waterfront Development and Conservation (WDC) District, which permits commercial and residential uses.

The properties adjoining the Site and in the surrounding neighborhood primarily include commercial and residential properties. The Site is bounded to the north by Water Street, the Keuka Lake Outlet to the south, a commercial property located at 128 Liberty Street to the west, and a mixed commercial/residential property consisting of a three-story commercial building occupied by a wine store and a private residence to the east. Further to the east is the mixed commercial/residential Birkett Landing development adjacent to the outlet.

2.3 Geology

Three soil units have been identified beneath the Site including a manmade fill unit at the surface underlain by a silt unit which is underlain by a sand unit.

The fill unit is present across the Site and generally ranges in thickness from 4 feet (around the MGP building) to 13 feet (adjacent to Water St). Site fill comprises fine to coarse sands with fine to coarse gravels, silt and trace organics. The backfill material was sourced from local borrow sources of soils very similar to native shallow soils found at the Site prior to remediation. The thickness of the fill unit adjacent to the Keuka Lake Outlet is approximately 8 feet.

Beneath the fill is a silt unit that ranges in thickness between 10 and 20 feet. This silt unit appears to act as a potential aquitard beneath the Site, limiting movement of groundwater and contaminants from the Site. A sand unit of unknown thickness is present below the silt. The depth to bedrock is unknown; however, it is likely greater than 300 feet below ground surface (ft bgs) in proximity to the Site.

The Keuka Lake Outlet has an organic silt sediment unit approximately 4 feet thick. Beneath the silt is a clay unit of unknown thickness.

2.4 Hydrogeology

The groundwater table has historically been present between 3 and 15 ft bgs at the Site. Groundwater flows from the north and northwest to the south and southeast across the Site towards the Keuka Lake Outlet as shown in **Figure 3** and **Figure 4** attached for the shallow and deep aquifers respectively.

Horizontal hydraulic conductivity testing was performed for six wells in 1990 by TRC Companies, Inc. (TRC). The hydraulic conductivity measurements ranged from 1 x 10-3 cm/sec to 7 x 10-5 cm/sec.

2.5 Investigation and Remedial History

The Site was initially developed as a malt house and wood storage facility, operating from the 1840's to the late 1890's. The MGP was constructed in 1899 and operated until 1931. The operating companies included the Penn Yan Gas Light Company (1899 – 1926) and the New York State Central Electric Corporation (1927–1931). During this period, gas was manufactured by processes of coal gasification using coal, coke, and water. Several by-products from the MGP process including coal tar, ash, and purifier waste which were stored on-Site and either sold or disposed off-Site.

An overview of previous investigation and remedial activities at the Site are as follows:

- Between 1986 and 1990, TRC performed fieldwork at the Site that included the excavation of test pits; the completion of soil borings; the installation of monitoring wells; and the analyses of soil, surface water, groundwater, and sediment samples.
- Between September 1991 and May 1992, SLC completed remedial work at the Site including uncovering and cleaning out a subsurface tar tank. A 3,000-gallon underground storage tank (UST) was also decommissioned, cleaned-out and removed. Tar-impacted soil was excavated from the tank pit area.
- A Supplemental Investigation (SI) was performed by Geraghty and Miller, Inc. in June 1994. The SI included the completion of three soil borings and the collection of additional sediment samples. Following the SI, eight rounds of groundwater sampling were performed in November 1991, November 1992, November 1993, July 1994, April 1995, April 1996, April 1997, and April 1998.
- AECOM conducted a remedial investigation (RI) submitted to NYSDEC in November of 2008. The scope of the RI included subsurface utility clearing, surface and subsurface soil sampling, test pit excavation, soil boring installation, monitoring well installation and development, groundwater sampling, sediment probing and sampling, bathymetric surveys and site surveys.
- In November 2012, AECOM submitted a Feasibility Study (FS) Report assessing remedial alternatives for the Site. The recommended alternative included excavation and dredging of contaminated materials on-Site and in the Outlet.
- In December 2012, NYSDEC issued a Record of Decision (ROD) for the Site, which established a remedial action for the on-Site and off-Site impacted materials. The selected remedial action included excavation of on-Site soils and sediments in the Outlet. The Remedial Design Work Plan (RDWP) was submitted on March 13, 2013 and approved by the NYSDEC on May 28, 2013.
- The Pre-Design Investigation Work Plan (PDIWP) was submitted on March 13, 2013 and approved by the NYSDEC on May 28, 2013. Addendum No. 1 of the PDIWP was submitted on October 7, 2013 to change the location of two geotechnical borings and approved by the NYSDEC on October 7, 2013. Addendum No. 2 of the PDIWP was submitted on January 23, 2014 to excavate test pits and expose the building foundation and perform a hazardous building materials survey and approved by the NYSDEC on January 24, 2014.
- AECOM conducted the pre-design investigation (PDI) during two mobilizations to the Site in 2013 and 2014.
- AECOM submitted the Remedial Design Report in June 2014. The remedial activities, executed from July 2015 - November 2019, included the following:
    - Asbestos containing material (ACM) and hazardous materials abatement of the former MGP building.
    - Structural repairs and reinforcement of the former MGP building.
    - Removal of sediment in the Keuka Lake Outlet which contains visible non-aqueous phase liquid (NAPL), sheen, or which produce a visible sheen when agitated.
    - Removal of sediment in the Keuka Lake Outlet adjacent to the Site and downstream of the Site to the downstream control structure to a depth no greater than two feet. Backfill areas where sediment was removed to re-establish bottom elevations and provide habitat for aquatic organisms.

- Excavation of impacted soils at select locations.
- Removal of former MGP structures, debris, piping, and major obstructions which remain in the subsurface to the extent practicable.
- Backfilling excavations to re-establish original Site grades.
- Placement of Site cover consisting of pavement, sidewalks, buildings, or two feet of clean soil.
- Restoration of the Site with topsoil and gravel; re-building the bank adjacent to the Site with riprap, topsoil and plantings, planting grass in upland areas, and planting subaquatic vegetation in selected Outlet areas.
- Off-Site transportation and disposal or treatment of soil and sediment removed from the Site at a permitted waste management facility.

Further information regarding previously completed investigation and remedial activities is provided in the ISMP (AECOM, 2020a).

2.6 Interim Site Management Plan

The ISMP (AECOM, 2020a) is a required element of the remedial program for the Site. The Site is currently in the New York State (NYS) Inactive Hazardous Waste Disposal Site Remedial Program (Site No. 862009) which is administered by the NYSDEC. Note the ISMP will become final, or no longer “interim”, after the Environmental Easement has been fully executed.

NYSEG entered into an Order on Consent on March 30, 1994 with the NYSDEC to remediate the Site. After completion of the remedial work, some contamination remained at the Site. Institutional and Engineering Controls (ICs and ECs) have been incorporated into the Site remedy to control exposure to remaining contamination to ensure protection of public health and the environment.

The ISMP addresses the means for implementing the ICs and ECs that are required by the Environmental Easement for the Site. **Table 2** below provides an overview of ICs and ECs:

Table 2. ISMP Institutional and Engineering Controls

Institutional Controls:	1. The property may be used for restricted residential use;	
	2. Maintain ECs, restriction on use of groundwater, annual inspections, notification of ownership or usage change for the properties, implementation of ISMP, environmental easement, and future intrusive activities to follow excavation work plan.	
	3. All ECs must be inspected at a frequency and in a manner defined in the ISMP.	
Engineering Controls:	1. Soil and engineered cover system 2. Controlled low strength material	
Inspections:		**Frequency**
1. Soil and engineered cover system inspection		Annually
2. Periodic Review		Annually
Monitoring:		
1. Groundwater Monitoring		Quarterly
Maintenance:		
1. Soil and engineered cover system maintenance		As needed
2. Groundwater monitoring well maintenance		As needed
Reporting:		
1. Groundwater Monitoring Report		Quarterly
2. Periodic Review Report		Annually for the first 5 years

The ISMP has been implemented to manage remaining contamination at the Site until the Environmental Easement is extinguished in accordance with ECL Article 71, Title 36. The ISMP has been approved by the NYSDEC, and compliance with the ISMP is required by the grantor of the Environmental Easement and the grantor's successors and assigns. The ISMP may only be revised with the approval of the NYSDEC.

3. Field Investigations

3.1 Groundwater Monitoring Well Installation and Development

Ten monitoring wells were installed at the locations shown on the attached **Figure 2**. The following is noted:

- Locations PRMW-1S, PRMW-2S, and PRMW-2D were pre-cleared to a depth of 5 ft bgs.
- All borings were advanced using Hollow Stem Auger (HSA) drilling methods inside of casing. Monitoring well boring logs are presented in **Appendix A**.
- During borehole advancement, soils were screened for the presence of volatile organic compounds (VOCs) with a photoionization detector (PID).
- Shallow wells were installed to a maximum depth of 30 ft bgs, and deep wells were installed to a maximum depth of 35 ft bgs (refer **Table 3** below).
- At locations PRMW-5D and PRMW-6D, split-spoon samples and corresponding blow counts were collected continuously from the ground surface to the boring completion. This was undertaken to assess impacts in backfill in this area following the Remedial Action. No evidence of contamination (i.e. odors or staining) was observed in backfill at these locations (i.e. where backfill was placed underwater in the eight deep sheet piled excavations).

  A combination of standard and continuous split spoon sampling was used at all other locations as necessary to determine appropriate screen intervals.
- Where deep and shallow wells were installed in pairs, the deep well was installed first. The installation depth of the shallow well was based on the boring log of the deep well.
- Equipment was decontaminated between borings, and the decontamination water was containerized and securely staged on-Site in a labelled polyethylene bulk storage tank.
- No evidence of contamination (i.e. odors, staining) or unexpected material was observed during borehole advancement, and as such, no soil samples were collected for analysis.
- Residual soils were containerized in labelled drums and securely staged on-Site.
- Monitoring wells were constructed with 2-inch Schedule 40 flush-threaded screw joint riser pipe and five-foot screen. The screens are machine-slotted, two-inch, Schedule 40 PVC with a slot size of 0.020 inches. The wells have been constructed with a six-foot sand pack, two-foot hydrated bentonite seal, tremie grouted to grade, and completed above grade with a 4-inch NPS protective steel casing and locking cover. PRMW-1S is a flush-mount as it is in a driveway.
- Monitoring well construction logs are presented in **Appendix A**.
- Monitoring wells were developed using a Whale Pump. Development water was containerized and securely staged on-Site in a labelled polyethylene bulk storage tank.
- The horizontal location and vertical elevation of well locations were recorded by a Professional Land Surveyor licensed in New York State. Survey data is presented in **Appendix B** attached.

Table 3 below provides and overview of groundwater monitoring well installation details and observations made during installation and development.

Table 3. Groundwater Monitoring Well Installation and Development Overview

Monitoring Well ID	Portion of Aquifer	Total Depth (ft bgl)	Screen Interval (ft bgl)	Field Observations
PRMW-1S	Shallow	30	20-30	• No odors or staining observed during well advancement and installation. Maximum PID reading of 0.0 ppm throughout. • 30.20 gallons of water removed during well development. No odors or sheen observed during well development.
PRMW-2D	Deep	35	25-35	• No odors or staining observed during well advancement and installation. Maximum PID reading of 0.0 ppm throughout. • 19.50 gallons of water removed during well development. No odors or sheen observed during well development.
PRMW-2S	Shallow	20	10-20	• No odors or staining observed during well advancement and installation. Maximum PID reading of 0.0 ppm throughout • 13.20 gallons of water removed during well development. No odors or sheen observed during well development.
PRMW-3D	Deep	35	25-35	• No odors or staining observed during well advancement and installation. Maximum PID reading of 0.0 ppm throughout. • 47.10 gallons of water removed during well development. No odors or sheen observed during well development.
PRMW-3S	Shallow	20	10-20	• No odors or staining observed during well advancement and installation. Maximum PID reading of 0.0 ppm throughout. • 24.50 gallons of water removed during well development. No odors or sheen observed during well development.
PRMW-4S	Shallow	24	14-24	• No odors or staining observed during well advancement and installation. Maximum PID reading of 0.0 ppm throughout. • 36.40 gallons of water removed during well development. No odors or sheen observed during well development.
PRMW-5D	Deep	30	20-30	• No odors or staining observed during well advancement and installation. Maximum PID reading of 0.0 ppm throughout. • 31.70 gallons of water removed during well development. No odors or sheen observed during well development.
PRMW-5S	Shallow	20	10-20	• No odors or staining observed during well advancement and installation. Maximum PID reading of 0.0 ppm throughout. • 22.80 gallons of water removed during well development. No odors or sheen observed during well development.
PRMW-6D	Deep	34	24-34	• No odors or staining observed during well advancement and installation. Maximum PID reading of 0.0 ppm throughout.

Monitoring Well ID	Portion of Aquifer	Total Depth (ft bgl)	Screen Interval (ft bgl)	Field Observations
				• 50.50 gallons of water removed during well development. No odors or sheen observed during well development.
PRMW-6S	Shallow	20	10-20	• No odors or staining observed during well advancement and installation. Maximum PID reading of 0.0 ppm throughout. • 27.20 gallons of water removed during well development. No odors or sheen observed during well development.

3.2 Groundwater Monitoring Well Decommissioning and Conversions

The existing monitoring wells, TMW-1D and TMW-2D, were installed during the Site remedial construction phase to monitor artesian conditions within the deep aquifer. Each was installed as a pair of wells; one screened in the first ten feet below the clay layer and the other ten feet below that. These intervals were selected to determine if the higher clay content in the sand formation just below the clay confining layer resulted in low artesian head than in the deeper, less clayey, portion of the deep sand unit.

The shallower well at each location (TMW-1S and TMW-2S) has been decommissioned in accordance with NYSDEC CP-43. The wells were decommissioned by tremie grout from the bottom of the well to five feet below ground surface. The top five feet of the well casing was removed via over-drill and backfilled to surface. The ground surface was regraded and seeded. TMW-1D and TMW-2D received flush-mount curb boxes.

3.3 Groundwater Monitoring Event

The following activities were conducted for the 2021 Q1GME:

- A Site-wide water level gauging event was completed at all accessible groundwater monitoring wells prior to the start of the groundwater sampling. Groundwater gauging data is provided in **Table 1**.

  The recorded total depth at TMW-2D was 7.34 ft bgs. This recorded depth indicates that the well may potentially have an obstruction, and this will be investigated further during the next GME.
- Each well was gauged for the presence of non-aqueous phase liquid (NAPL) via the use of an oil-water interface probe. NAPL was not identified in any wells.
- A total of 11 groundwater wells were sampled as specified in the ISMP (AECOM, 2020a). Note TMW-1D was not accessible at the time of sampling (covered in snow) and was not sampled on this occasion.
- Each well was purged and sampled using low-stress (low-flow) groundwater sampling methods using a peristaltic pump and dedicated sample tubing.
- Wells were purged until the following groundwater parameters are stabilized within the allowable limit indicated below for three consecutive readings, or a maximum of 1 hour of continuous purging.
  - Temperature (°C), ±3%
  - pH, ± 0.1 unit
  - Specific Conductivity (µS/cm), ±3%
  - Dissolved Oxygen (DO) (mg/L), ±10%
  - Oxidation Reduction Potential (ORP) (mV), ±10mV
  - Turbidity (NTU), ±10% or below 10 NTU
  - Drawdown (feet), <0.3’

- No odor or sheen was observed during groundwater purging and sampling. Groundwater sampling field sheets are provided in **Appendix C** and groundwater field parameters are provided in **Table 2** attached.
- Wells that were not able to be sufficiently purged (i.e. ran dry before stabilization criteria achieved) were allowed to recharge prior to sampling.
- Purge water was containerized and securely staged on-Site in a labelled polyethylene bulk storage tank. Disposal at a permitted facility is pending waste characterization testing results.

3.4 Groundwater Flow Direction

The groundwater table has historically been present between 3 and 15 ft bgs with a south easterly direction of flow toward the Keuka Lake Outlet.

At the time of the 2021 Q1 GME, the depth to water ranged from 1.58 ft bgs (PRMW-5D) to 15.40 ft bgs (PRMW-1S) and was comparable to historical ranges (refer **Table 1** attached).

Groundwater flow in the shallow and deep aquifers was in a southerly and south easterly direction, toward the Keuka Lake Outlet, respectively. The shift in shallow aquifer flow direction from south easterly to southerly is consistent with changes to Site subsurface conditions during the Remedial Action (addition of permanent steel sheet pile wall parallel to the back wall of the former gashouse).

Groundwater contours for the shallow and deep aquifers are shown in **Figure 3** and **Figure 4**, respectively.

4. Groundwater Analyses and Standards

Groundwater samples were analyzed by New York Environmental Laboratory Approval Program (ELAP) certified Eurofins TestAmerica, Buffalo via the following methods:

- Benzene, Toluene, Ethylbenzene and Xylene via EPA Method 8260C
- Polycyclic aromatic hydrocarbons (PAHs): EPA Method 8270D
- Total Cyanide: EPA Method 9012B

Samples were also analyzed for PFAS via EPA Method 537. It is noted that results of PFAS analysis are reported under separate cover.

Quality control samples were collected at a frequency of one per 20 sample set, including: a field duplicate, trip blank, equipment blank, and matrix spike/matrix spike duplicate. Quality control samples were analyzed for a combination of BTEX, PAH, Total Cyanide and PFAS.

Appendix D contains the full laboratory report obtained from Eurofins TestAmerica.

Results of analysis have been screened against the NYSDEC *Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations* (AWQS/GV) for water class GA (source of drinking water – groundwater).

5. Groundwater Analytical Results

Groundwater analytical results have been validated by an AECOM chemist, and all data have been determined to be usable and no data points were rejected. A full copy of the DUSR is provided in **Appendix E**.

Table 3 attached provides a summary of the analytical results screened against the AWQS/GV.

The following is noted with regard to groundwater analytical results:

- BTEX:
  - PRMW-5S reported concentrations of benzene (42 ug/L) and xylenes (6.5 ug/L) above the AWQS/GV of 1 ug/L and 5 ug/L respectively (refer **Figure 5**). There were also detections of ethylbenzene (2.7 ug/L) and toluene (1.1 ug/L) at this location that did not exceed the AWQS/GV.
  - All remaining locations reported BTEX concentrations below the laboratory reporting limit.
- PAHs:
  - PRMW-5S reported concentrations of acenaphthene (31 ug/L) and naphthalene (34 ug/L) above the AWQS/GV of 20 ug/L and 10 ug/L respectively. There were also detections of anthracene (4.7 ug/L), pyrene (3.8 ug/L), fluoranthene (6.0 ug/L), acenaphthylene (5.6 ug/L), phenanthrene (6.0 ug/L) and fluorene (11 ug/L) that did not exceed the AWQS/GV.
  - All remaining locations reported PAH concentrations below the laboratory reporting limit.
- Total Cyanide:
  - There were no exceedances of the AWQS/GV for Total Cyanide.
  - There were detections of Total Cyanide at PRMW-2S (0.088 mg/L), PRMW-3D (0.013 mg/L), PRMW-4S (0.0054 mg/L) and PRMW-5S (0.15 mg/L).

6. Conclusions and Recommendations

The following conclusions and recommendations are provided with regard to the 2021 Q1 GME:

- The established groundwater well network is considered sufficient for the purposes of performing ongoing groundwater monitoring activities as described in the ISMP (AECOM, 2020a). It is noted that the recorded total depth at TMW-2D indicates that the well may potentially have an obstruction, and this will be investigated further during the next GME.
- Split-spoon sampling at locations PRMW-5D and PRMW-6D did not identify evidence of contamination (i.e. odors or staining) within backfill material.
- The shift in shallow aquifer flow direction is consistent with changes to Site subsurface conditions during the Remedial Action (addition of permanent steel sheet pile wall parallel to the back wall of the former gashouse).
- MGP-related constituents across the Site were reported below the applicable AWQS/GV at 10 of the 11 wells sampled. PRMW-5S reported concentrations of benzene, xylenes, and select PAHs above the applicable AWQS/GVs.
- In accordance with the ISMP, additional data will be collected to understand seasonal fluctuations and inform an appraisal of constituent concentrations at the Site. Groundwater at the 12 specified well locations will continue to be monitored on the schedule outlined in the ISMP.

7. References

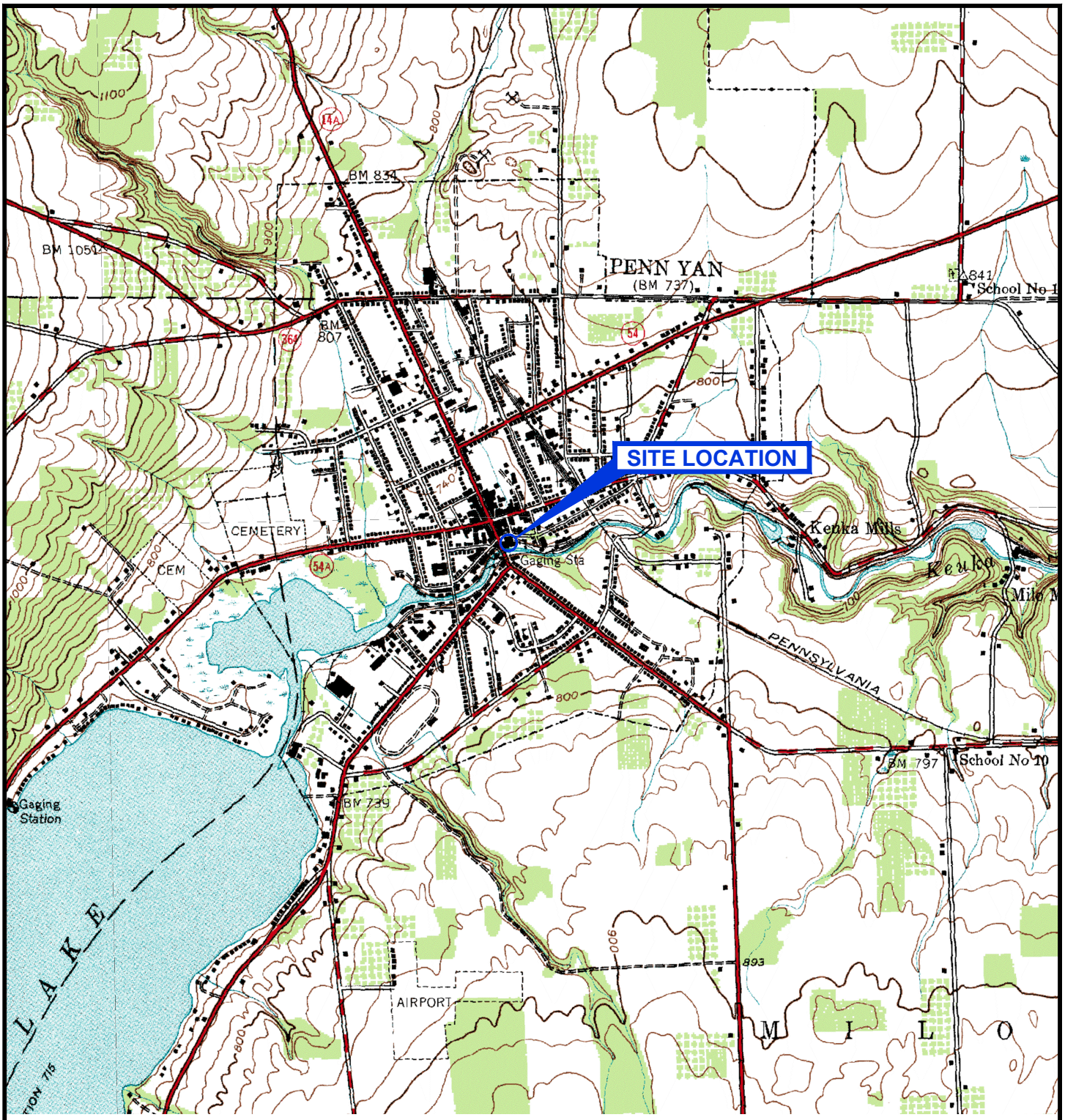
AECOM, 2020a. *Penn Yan Former Manufactured Gas Plant Site, Yates County, Penn Yan, New York, Interim Site Management Plan, NYSDEC Site Number: 862009*

AECOM, 2020b. *Subject: New York State Electric and Gas Corporation – Penn Yan Water Street Former MGP Site – Monitoring Well Installation and Groundwater Monitoring Event Work Plan*

NYSDEC, 1998. *Division of Water Technical and Operational Guidance Series, 1.1.1 Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations*

NYSDEC, 2009. *CP-43: Groundwater Monitoring Well Decommissioning Policy*

Figures



UNITED STATES GEOLOGIC SURVEY
PENN YAN QUADRANGLE
NEW YORK
7.5 MINUTE SERIES (TOPOGRAPHY)

PENN YAN, NY.
1983
PHOTOREVISED 1995

SCALE 1:24000

1 0 1/2 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

N

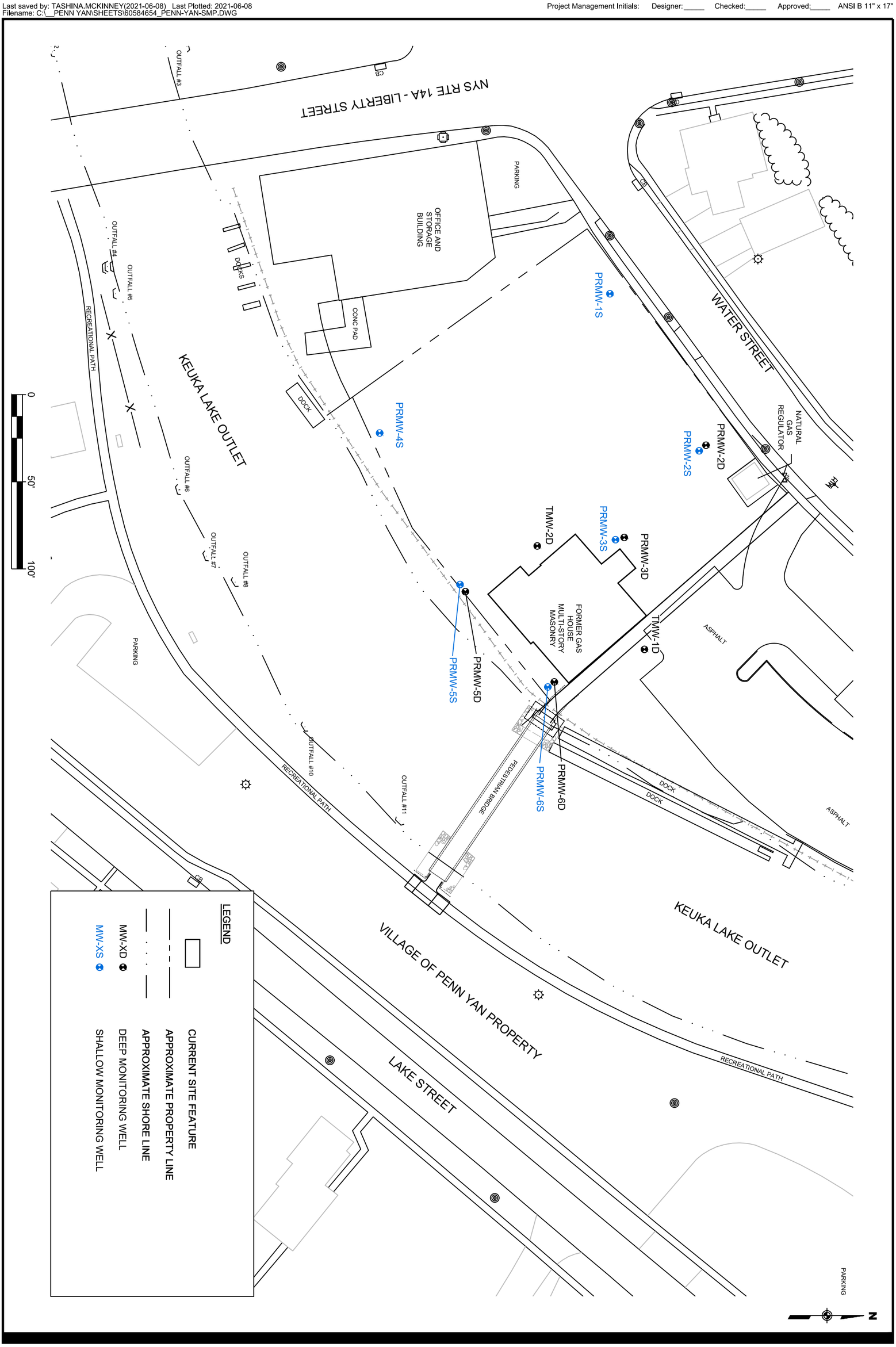
AECOM

PENN YAN WATER STREET FORMER MGP SITE GROUNDWATER WELL INSTALLATION AND MONITORING REPORT			**SITE LOCATION PLAN**	
DATE: JUNE 2021	DRWN:			**FIGURE 1**

File: C:_Penn Yan\SHEETS\60284725_SITE_LOC.dwg Layout: 1 User: Tashina.McKinney Plotted: Jun 08, 2021 - 12:39pm Xrefs:

Last saved by: TASHINA.MCKINNEY(2021-06-08) Last Plotted: 2021-06-08
Filename: C:__PENN YAN\SHEETS\60584654_PENN-YAN-SMP.DWG

Project Management Initials: Designer:_____ Checked:_____ Approved:_____ ANSI B 11" x 17"

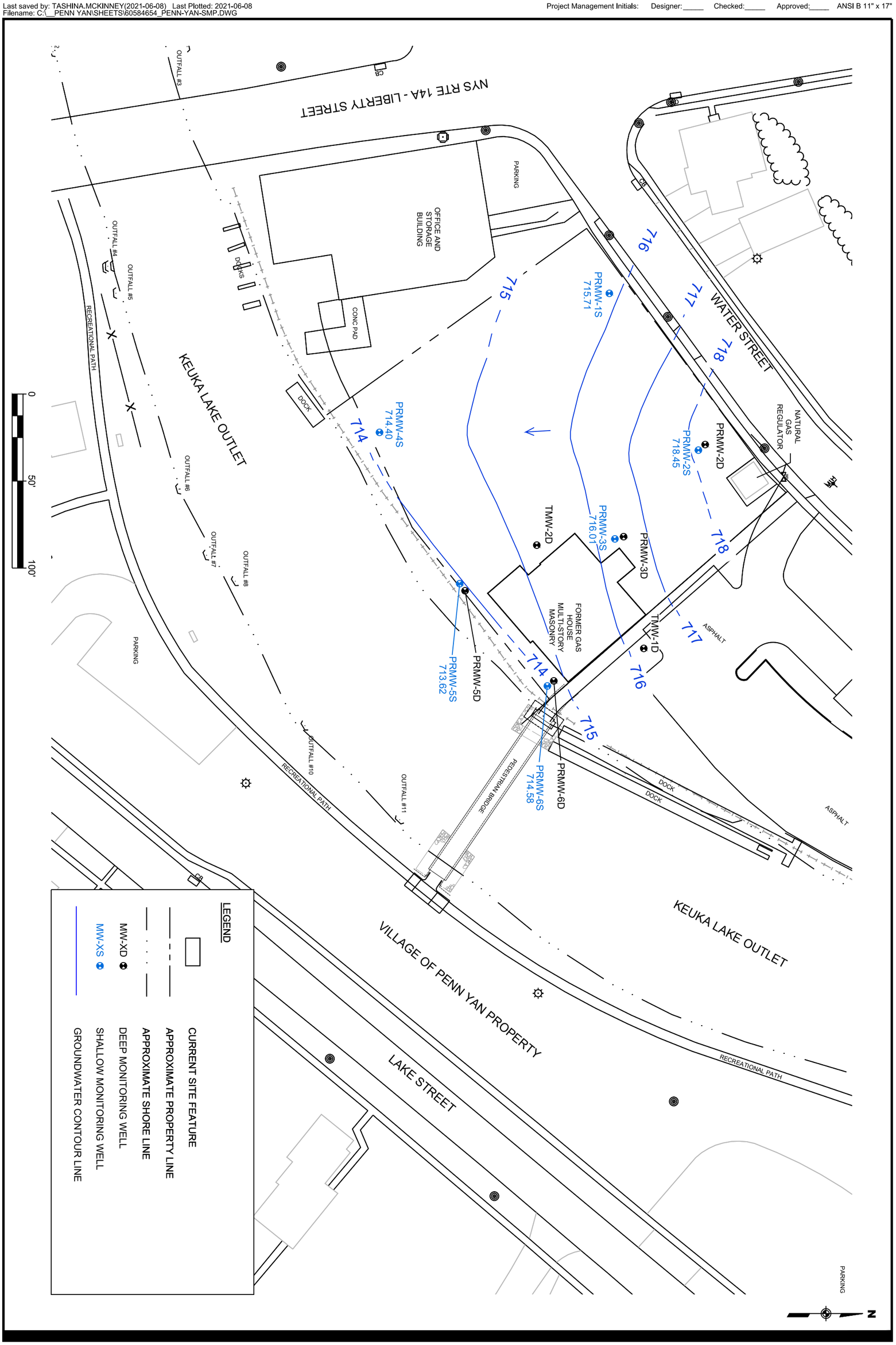


GROUNDWATER WELL INSTALLATION AND MONITORING REPORT
WATER STREET MANUFACTURED GAS PLANT
VILLAGE OF PENN YAN, YATES COUNTY, NEW YORK
Project No.: 60648952 Date: JUNE 2021

MONITORING WELL LOCATION PLAN

AECOM

Figure: 2

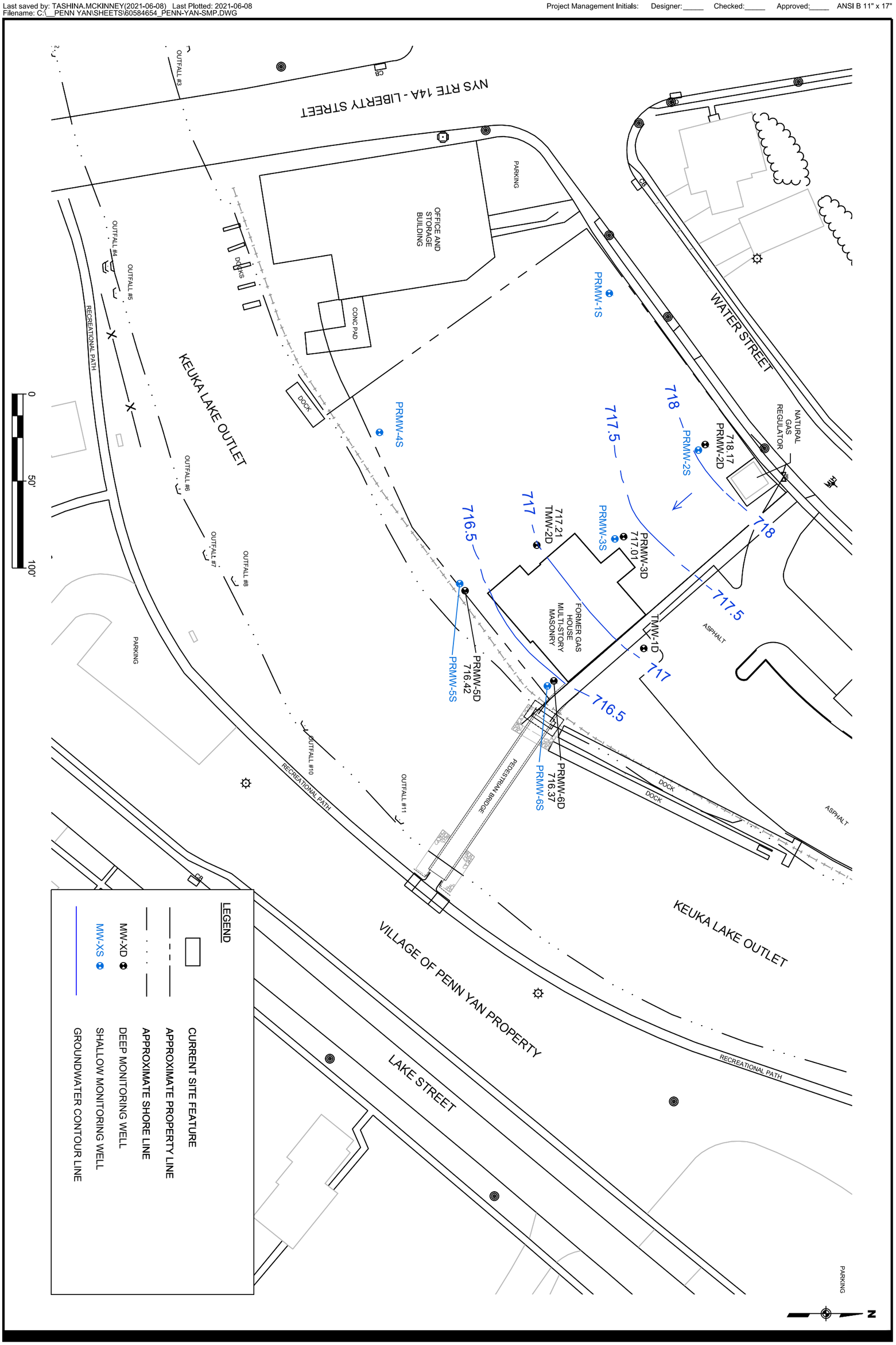


GROUNDWATER WELL INSTALLATION AND MONITORING REPORT
WATER STREET MANUFACTURED GAS PLANT
VILLAGE OF PENN YAN, YATES COUNTY, NEW YORK
Project No.: 60648952 Date: JUNE 2021

SHALLOW AQUIFER GROUNDWATER CONTOUR PLAN - FEBRUARY 2021

AECOM

Figure: 3

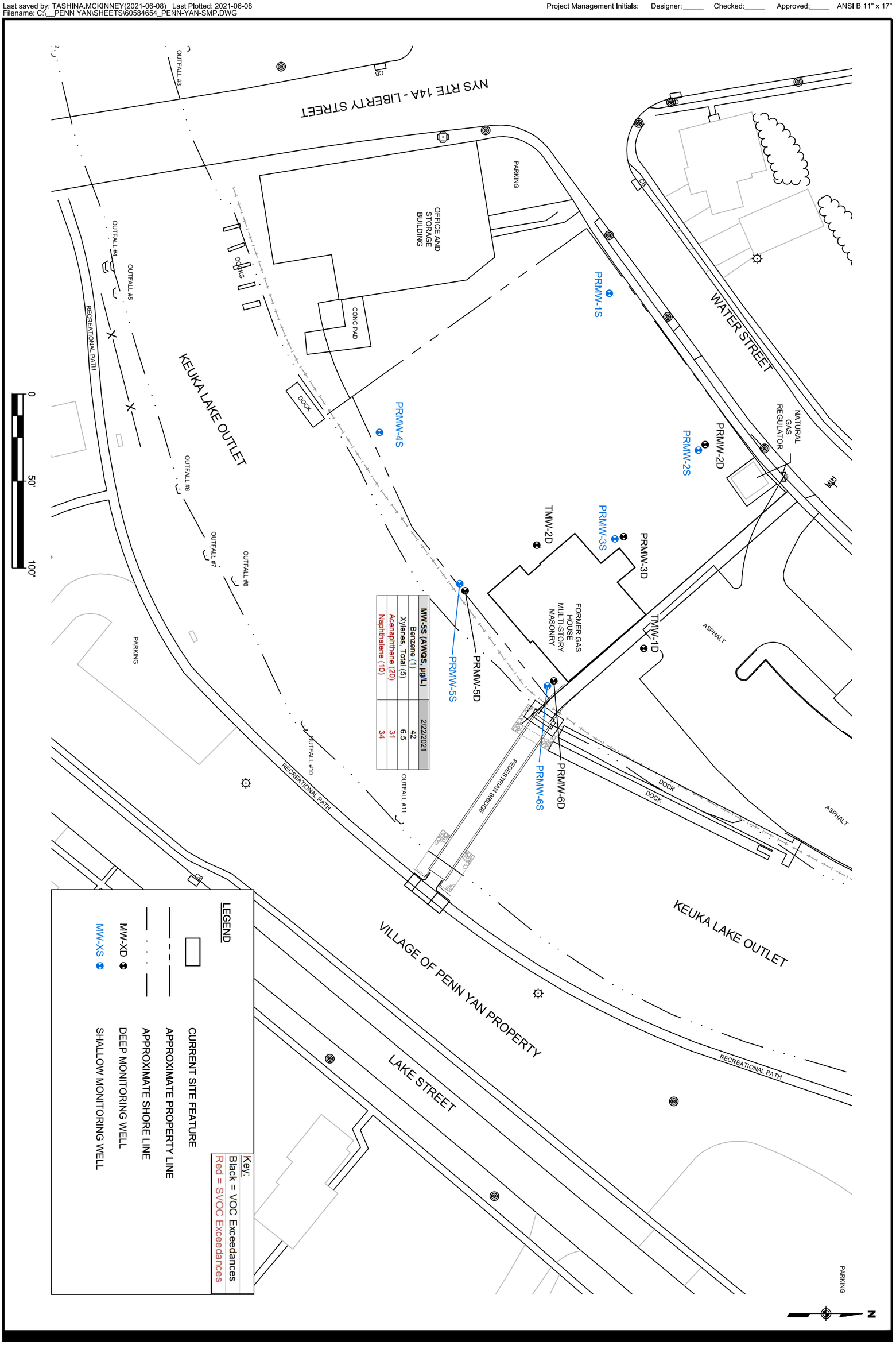


GROUNDWATER WELL INSTALLATION AND MONITORING REPORT
WATER STREET MANUFACTURED GAS PLANT
VILLAGE OF PENN YAN, YATES COUNTY, NEW YORK
Project No.: 60648952 Date: JUNE 2021

DEEP AQUIFER GROUNDWATER CONTOUR PLAN - FEBRUARY 2021

AECOM

Figure: 4



GROUNDWATER WELL INSTALLATION AND MONITORING REPORT
WATER STREET MANUFACTURED GAS PLANT
VILLAGE OF PENN YAN, YATES COUNTY, NEW YORK
Project No.: 60648952 Date: JUNE 2021

GROUNDWATER EXCEEDANCE PLAN - FEBRUARY 2021

AECOM

Figure: 5

Tables

Table 1: Groundwater Gauging Details
2021 Q1 GME - February 2021
Water Street Former MGP Site
Penn Yan, New York

Well ID	Date Gauged	Total Depth[1] (ft bTOC)	Total Depth[1] (ft bgs)	Screen Interval (ft bgs)	Depth to Water (ft bTOC)	Depth to Water (ft bgs)	NAPL Observed (Y/N)	NAPL Thickness (ft)	Well Inspection and Sampling Notes
PRMW-1S	2/22/2021	29.90	29.90	20 - 30	15.40	15.40	N	NA	No odor or sheen noted. Flush mount in good condition, all bolts included.
PRMW-2S	2/22/2021	23.09	20.04	10 - 20	16.10	13.05	N	NA	No odor or sheen noted. Stick-up and lock in good condition.
PRMW-2D	2/22/2021	38.55	35.71	25 - 35	16.47	13.63	N	NA	Lots of silt initially and becoming clear. No odor or sheen noted. Stick-up and lock in good condition.
PRMW-3S	2/22/2021	22.90	20.07	10 - 20	7.72	4.89	N	NA	No odor or sheen noted. Stick-up and lock in good condition.
PRMW-3D	2/22/2021	36.25	33.44	25 - 35	6.80	3.99	N	NA	No odor or sheen noted. Stick-up and lock in good condition.
PRMW-4S	2/22/2021	27.30	24.48	14 - 24	7.52	4.70	N	NA	No odor or sheen noted. Stick-up and lock in good condition.
PRMW-5S	2/22/2021	22.70	20.08	10 - 20	7.10	4.48	N	NA	No odor or sheen noted. Stick-up and lock in good condition.
PRMW-5D	2/22/2021	33.27	30.53	20 - 30	4.32	1.58	N	NA	No odor or sheen noted. Stick-up and lock in good condition.
PRMW-6S	2/22/2021	23.20	20.00	10 - 20	6.52	3.32	N	NA	No odor or sheen noted. Stick-up and lock in good condition.
PRMW-6D	2/22/2021	37.05	34.33	24 - 34	4.85	2.13	N	NA	Lots of silt initially and water cloudy during purging. No odor or sheen noted. Stick-up and lock in good condition.
TMW-1D	--	--	--	54 - 64	--	--	--	--	Not accessible at the time of sampling (covered in snow).
TMW-2D	2/22/2021	7.34	7.34	50 - 60	2.03	2.03	N	NA	No odor or sheen noted. Ran dry during sampling, allowed to reacharge and was sampled. Flush mount in good condition, all bolts included. Well depth to be further investigated.

Notes:
1. Measured at the time of gauging
2. ft bTOC- feet below top of casing
3. ft bgs - feet below ground surface
4. NA - Not applicable
5. -- No data

Table 2: Groundwater Field Parameters
2021 Q1 GME - February 2021
Water Street Former MGP Site
Penn Yan, New York

		Field Parameters				
Location	**Sample Date**	pH (pH units)	Turbidity (NTU)	ORP (MeV)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)
PRMW-1S	2/22/2021	7.14	42.69	78.3	1.656	1.22
PRMW-2S	2/23/2021	7.28	87.6	167	1.87	1.35
PRMW-2D	2/23/2021	7.5	33.25	172.4	0.56	2.63
PRMW-3S	2/23/2021	7.48	100.1	108.8	0.778	1.39
PRMW-3D	2/23/2021	7.81	50.8	58.1	0.473	0.76
PRMW-4S	2/22/2021	7.22	47.35	68.7	0.808	0.26
PRMW-5S	2/22/2021	7.35	29.7	-94.5	0.517	0.24
PRMW-5D	2/22/2021	7.61	278.66	-141.4	0.321	0.28
PRMW-6S	2/22/2021	8.53	56.72	60.1	0.338	1.86
PRMW-6D	2/22/2021	7.88	301.28	-131.7	0.285	0.25
TMW-2D	2/24/2021	8.00	154.39	162.2	0.27	6.83

Notes:
1. ORP - Oxidation Reduction Potential; NTU - nephelometric turbidity units; MeV - megaelecton volt; mS/cm - milliSiemens per centimeter; mg/L - milligrams per liter.

Table 3: BTEX, PAHs and Total Cyanide
2021 Q1 GME - February 2021
Water Street Former MGP Site
Penn Yan, New York

Sample ID	Laboratory Report Number	Sample Date	BTEX µg/L				PAHs µg/L								
			Benzene	Ethylbenzene	Toluene	Xylenes, Total	Anthracene	Pyrene	Benzo(g,h,i) perylene	Indeno(1,2,3-cd)pyrene	Benzo(b) fluoranthene	Fluoranthene	Benzo(k) fluoranthene	Acenaphthylene	Chrysene
AWQS/GV[2]			1	5	5	5	50	50	NS	0.002	0.002	50	0.002	NS	0.002
MW-1S	480-181441	2/22/2021	1 U	1 U	1 U	2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
MW-2S	480-181441	2/23/2021	1 F2 U	1 U	1 U	2 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U
MW-2D	480-181441	2/23/2021	1 U	1 U	1 U	2 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
MW-3S	480-181441	2/23/2021	1 U	1 U	1 U	2 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U
DUP-1 (PRMW-3S)	480-181441	2/23/2021	1 U	1 U	1 U	2 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U
MW-3D	480-181441	2/23/2021	1 U	1 U	1 U	2 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U
MW-4S	480-181441	2/22/2021	1 U	1 U	1 U	2 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U
MW-5S	480-181441	2/22/2021	**42**	**2.7**	**1.1**	**6.5**	**4.7 J**	**3.8 J**	5.4 U	5.4 U	5.4 U	**6.0**	5.4 U	**5.6**	5.4 U
MW-5D	480-181441	2/22/2021	1 U	1 U	1 U	2 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U
MW-6S	480-181441	2/22/2021	1 U	1 U	1 U	2 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U
MW-6D	480-181441	2/22/2021	1 U	1 U	1 U	2 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U
TMW-2D	480-181441	2/24/2021	1 U	1 U	1 U	2 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U
EQUIP BLANK**	480-181441	2/23/2021	--	--	--	--	--	--	--	--	--	--	--	--	--
TRIP BLANK	480-181441	2/24/2021	1 U	1 U	1 U	2.0 U	--	--	--	--	--	--	--	--	--

Notes:

1. Groundwater samples were submitted to, and logged by, the laboratory as MW-1S, MW-2S, MW-2D, MW-3S, MW-3D, MW-4S, MW-5S, MW-5D, MW-6S and MW-6D. It is noted for reporting purposes, these wells are referred to as PRMW-1S, PRMW-2S, PRMW-2D, PRMW-3S, PRMW-3D, PRMW-4S, PRMW-5S, PRMW-5D, PRMW-6S and PRMW-6D respectively in text.

2. Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (AWQS/GV) for water class GA.

3. **Bold**- Analyte was detected in laboratory analysis

4. Highlight- Analyte was detected above the AWQS/GV

5. Xylene AWQS (5 µg/L) applies to the sum of isomers

6. NS - No Standard

7. U - Not detected above laboratory reporting limit.

8. J - Result is estimated, detection was below the reporting limit but above the method detection limit.

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

10. F2- MS/MSD RPD exceeds control limits

11. -- Not Analyzed

12. ** Equipment blank analyzed for PFAS and reported under separate cover. Reported PFAS concentrations in the Equipment Blank were not detected above the reported sample quantitation limit

Table 3: BTEX, PAHs and Total Cyanide
2021 Q1 GME - February 2021
Water Street Former MGP Site
Penn Yan, New York

			PAHs µg/L																Cyanide (mg/L)	
Sample ID	**Laboratory Report Number**	**Sample Date**	Benzo(a)pyrene		Dibenzo(a,h) anthracene		Benzo(a) anthracene		Acenaphthene		Phenanthrene		Fluorene		Naphthalene		Cyanide, Total	
AWQS/GV[2]			Any Detection		NS		0.002		20		50		50		10		**0.2**	
MW-1S	480-181441	2/22/2021	5	U	5	U	5	U	5	U	5	U	5	U	5	U	0.01	U
MW-2S	480-181441	2/23/2021	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	**0.088**	
MW-2D	480-181441	2/23/2021	6	U	6	U	6	U	6	U	6	U	6	U	6	U	0.01	U
MW-3S	480-181441	2/23/2021	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	0.01	U
DUP-1 (PRMW-3S)	480-181441	2/23/2021	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	0.01	U
MW-3D	480-181441	2/23/2021	6.3	U	6.3	U	6.3	U	6.3	U	6.3	U	6.3	U	6.3	U	**0.013**	
MW-4S	480-181441	2/22/2021	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	**0.0054**	**J**
MW-5S	480-181441	2/22/2021	5.4	U	5.4	U	5.4	U	**31**		**6.0**		**11**		**34**		**0.15**	
MW-5D	480-181441	2/22/2021	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	0.01	U
MW-6S	480-181441	2/22/2021	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	0.01	U
MW-6D	480-181441	2/22/2021	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	0.01	U
TMW-2D	480-181441	2/24/2021	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	5.4	U	0.01	U
EQUIP BLANK**	480-181441	2/23/2021	--		--		--		--		--		--		--		--	
TRIP BLANK	480-181441	2/24/2021	--		--		--		--		--		--		--		--	

Notes:

1. Groundwater samples were submitted to, and logged by, the laboratory as MW-1S, MW-2S, MW-2D, MW-3S, MW-3D, MW-4S, MW-5S, MW-5D, MW-6S and MW-6D. It is noted for reporting purposes, these wells are referred to as PRMW-1S, PRMW-2S, PRMW-2D, PRMW-3S, PRMW-3D, PRMW-4S, PRMW-5S, PRMW-5D, PRMW-6S and PRMW-6D respectively in text.

2. Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (AWQS/GV) for water class GA.

3. **Bold**- Analyte was detected in laboratory analysis

4. Highlight- Analyte was detected above the AWQS/GV

5. Xylene AWQS (5 µg/L) applies to the sum of isomers

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10. F2- MS/MSD RPD exceeds control limits

11. -- Not Analyzed

12. ** Equipment blank analyzed for PFAS and reported under separate cover. Reported PFAS concentrations in the Equipment Blank were not detected above the reported sample quantitation limit

Appendix A – Monitoring Well Boring and Construction Logs

BOREHOLE LOG

BORING ID #: PRMW-1S

AECOM

PROJECT NAME:	NYSEG Penn Yan	**PROJECT NO.:**	60648952	**CLIENT:**	NYSEG
SITE LOCATION:	Penn Yan, NY	**BORING LOCATION:**	PRMW-1S	**DRILLING METHOD:**	Hollow Stem Auger, 4' Macrocore
DRILLING CO.:	Nothnagle	**DRILLER:**	Bryan Swartz	**TOTAL DEPTH DRILLED:**	30' bgs
BOREHOLE DIAMETER:	9"	**DEPTH TO BEDROCK:**	N/A	**WEATHER CONDITIONS:**	30°F, Overcast
TOTAL DEPTH REACHED:	30' bgs	**INSPECTOR:**	Alexandra Golden	**ELEVATION AND DATUM:**	731.5 ft., NAD83/2011
NORTHING:	969029.5	**EASTING:**	693293.4	**START:** 1/13/2021	**FINISH:** 1/13/2021

	HAMMER	SAMPLER				
WEIGHT(S)	-	-				
FALL	-	-	CASING	TUBE	CORE	RIG TYPE:
TYPE	-	Macrocore	HSA	-	-	**CME LL 55**
ID/OD	-	3"	4.25"/9"	-	-	

DEPTH (feet bgs)	SAMPLE ID	RECOVERY	PID (ppm)	ODOR OBSERVED	BLOW COUNTS	VISIBLE PRODUCT	GEOLOGIC DESCRIPTION	USCS DESCRIPTION	COMMENTS
0.0	-	-	-	N	-	N	Air knife 0.0' - 5.0' 0' - 0.5' Crushed Stone 0.5'- 2.1': Brown silty fine-medium SAND, dry; orange snow mesh encountered at 2.1' 2.1' - 5.0': Brown silty fine-medium SAND, little fine gravel; compact/firm	Fill SM	Dry
5.0	-	48"	0.0	N	-	N	Same as above (SAA)	SM	Dry
9.0	-	48"	0.0	N	-	N	SAA	SM	Dry
13.0	-	24"	0.0	N	-	N	SAA	SM	Dry
15.0	-	48"	0.0	N	-	N	SAA	SM	Dry
19.0	-	48"	0.0	N	-	N	SAA 21.0': Light gray-brown CLAY; firm	SM CL	Dry
23.0	-	48"	0.0	N	-	N	SAA	CL	Moist
27.0	-	24"	0.0	N	-	N	SAA	CL	Moist
29.0	-	12"	0.0	N	-	N	SAA	CL	Moist
30.0							Boring terminated at 30' bgs Install monitoring well PRMW-1S		

BOREHOLE LOG

BORING ID #: PRMW-2D

PROJECT NAME:	NYSEG Penn Yan	**PROJECT NO.:** 60648952		**CLIENT:** NYSEG	
SITE LOCATION:	Penn Yan, NY	**BORING LOCATION:**	PRMW-2D	**DRILLING METHOD:**	Hollow Stem Auger, 4' Macrocore
DRILLING CO.:	Nothnagle	**DRILLER:**	Bryan Swartz	**TOTAL DEPTH DRILLED:**	35' bgs
BOREHOLE DIAMETER:	9"	**DEPTH TO BEDROCK:**	N/A	**WEATHER CONDITIONS:**	35°F, Overcast
TOTAL DEPTH REACHED:	35' bgs	**INSPECTOR:**	Alexandra Golden	**ELEVATION AND DATUM:**	731.8 ft., NAD83/2011
NORTHING:	969084.6	**EASTING:**	693380.3	**START:** 1/14/2021	**FINISH:** 1/14/2021

	HAMMER	SAMPLER				
WEIGHT(S)	-	-				
FALL	-	-	CASING	TUBE	CORE	RIG TYPE:
TYPE	-	Macrocore	HSA	-	-	CME LL 55
ID/OD	-	3"	4.25"/9"	-	-	

DEPTH (feet bgs)	SAMPLE ID	RECOVERY	PID (ppm)	ODOR OBSERVED	BLOW COUNTS	VISIBLE PRODUCT	GEOLOGIC DESCRIPTION	USCS DESCRIPTION	COMMENTS
0.0	-	-	-	N	-	N	Air knife 0.0' - 5.0' 0' - 0.5': Topsoil 0.5': Brown,fine to medium silty SAND, little fine gravel; compact/very firm	Fill	Dry
5.0	-	31"	0.0	N	-	N	Same as above (SAA)	Fill	Dry
9.0	-	6"	0.0	N	-	N	SAA, coarse 3" gravel	Fill	Dry
13.0	-	21"	0.0	N	-	N	SAA 13.2'-13.7': Concrete Dust 13.7': Fill, Brown,fine to medium silty SAND, little fine gravel; compact/very firm	Fill	Dry
15.0	-	48"	0.0	N	-	N	Brown silty SAND, some fine-medium gravel; moist	SM	Moist
19.0	-	4"	0.0	N	-	N	SAA	SM	Moist
23.0	-	-	-	-	-	-	No recovery	-	-
25.0	-	3"	0.0	N	-	N	CLAY soft, wet	CL	Wet
29.0	-	48"	0.0	N	-	N	Brown homogeneous SAND, some silt, soft	SP	Wet
33.0	-	25"	0.0	N	-	N	SAA 33.25': clayey fine SAND, 1" chert subangular gravel; firm, dry	SP	Wet Moist
35.0							Boring terminated at 35' bgs Install monitoring well PRMW-2D		

BOREHOLE LOG

BORING ID #: PRMW-2S

PROJECT NAME	NYSEG Penn Yan	**PROJECT NO.:**	60648952	**CLIENT:**	NYSEG
SITE LOCATION:	Penn Yan, NY	**BORING LOCATION:**	PRMW-2S	**DRILLING METHOD:**	Hollow Stem Auger
DRILLING CO.:	Nothnagle	**DRILLER:**	Bryan Swartz	**TOTAL DEPTH DRILLED:**	20' bgs
BOREHOLE DIAMETER:	9"	**DEPTH TO BEDROCK:**	N/A	**WEATHER CONDITIONS:**	35°F, Overcast
TOTAL DEPTH REACHED:	20' bgs	**INSPECTOR:**	Alexandra Golden	**ELEVATION AND DATUM:**	731.5 ft., NAD83/2011
NORTHING:	969080.7	**EASTING:**	693383.5	**START:** 1/14/2021	**FINISH:** 1/14/2021

FIELD SAMPLE INFORMATION								HAMMER	SAMPLER				
							WEIGHT(S)	-	-				
							FALL	-	-	CASING	TUBE	CORE	RIG TYPE:
							TYPE	-	Macrocore	HSA	-	-	CME LL 55
							ID/OD	-	3"	4.25"/9"	-	-	
DEPTH (feet bgs)	SAMPLE ID	RECOVERY	PID (ppm)	ODOR OBSERVED	BLOW COUNTS	VISIBLE PRODUCT	GEOLOGIC DESCRIPTION					USCS DESCRIPTION	COMMENTS
-	-	-	-	-	-	-	Advancing boring to 20' without sampling for installation of monitoring well PRMW-2S. See PRMW-2D boring log for Geologic Description. Boring terminated at 20' bgs Install monitoring well PRMW-2S					-	-

AECOM

BOREHOLE LOG

BORING ID #: PRMW-3D

PROJECT NAME NYSEG Penn Yan
SITE LOCATION: Penn Yan, NY
DRILLING CO.: Nothnagle
BOREHOLE DIAMETER: 9"
TOTAL DEPTH REACHED: 35' bgs
NORTHING: 969037.7

PROJECT NO.: 60648952
BORING LOCATION: PRMW-3D
DRILLER: Bryan Swartz
DEPTH TO BEDROCK: N/A
INSPECTOR: Alexandra Golden
EASTING: 693433.2

CLIENT: NYSEG
DRILLING METHOD: Hollow Stem Auger, 4' Macrocore
TOTAL DEPTH DRILLED: 35' bgs
WEATHER CONDITIONS: 30°F, Overcast
ELEVATION AND DATUM: 721.0 ft., NAD83/2011
START: 1/5/2021 **FINISH:** 1/5/2021

FIELD SAMPLE INFORMATION								HAMMER	SAMPLER				
							WEIGHT(S)	140 lbs	-				
							FALL	30"	-	CASING	TUBE	CORE	RIG TYPE:
							TYPE	-	Macrocore/ Split Spoon	HSA	-	-	CME LL 55
							ID/OD	-	3"	4.25"/9"	-	-	
DEPTH (feet bgs)	SAMPLE ID	RECOVERY	PID (ppm)	ODOR OBSERVED	BLOW COUNTS	VISIBLE PRODUCT	GEOLOGIC DESCRIPTION					USCS DESCRIPTION	COMMENTS
0.0	-	24"	0.0	N	-	N	Brown fine-coarse SAND, coarse gravel (up to 3" diameter); loose, dry					Fill	Dry
4.0	-	15"	0.0	N	-	N	Same as above (SAA) Switch to 3" Split Spoon					Fill	Dry
6.0	-	16"	0.0	N	-	N	SAA 6.5': Brown silty SAND, some fine-medium gravel; compact, dry					Fill SM	Dry
8.0	-	19"	0.0	N	-	N	SAA; very compact					SM	Dry Moist
10.0	-	24"	0.0	N	-	N	SAA; compact, moist					SM	Moist
12.0	-	24"	0.0	N	-	N	SAA					SM	Moist
14.0	-	13"	0.0	N	-	N	SAA 14.8': Gray CLAY; soft, wet					SM CL	Moist Wet
16.0	-	24"	0.0	N	-	N	SAA					CL	Wet
18.0	-	17"	0.0	N	-	N	SAA					CL	Wet
20.0	-	0"	-	-	-	-	Sands; No recovery					-	-

BOREHOLE LOG

BORING ID #: PRMW-3D CONT.

PROJECT NAME NYSEG Penn Yan
SITE LOCATION: Penn Yan, NY
DRILLING CO.: Nothnagle
BOREHOLE DIAMETER: 9"
TOTAL DEPTH REACHED: 35' bgs
NORTHING: 969037.7

PROJECT NO.: 60648952
BORING LOCATION: PRMW-3D
DRILLER: Bryan Swartz
DEPTH TO BEDROCK: N/A
INSPECTOR: Alexandra Golden
EASTING: 693433.2

CLIENT: NYSEG
DRILLING METHOD: Hollow Stem Auger, 4' Macrocore
TOTAL DEPTH DRILLED: 35' bgs
WEATHER CONDITIONS: 30°F, Overcast
ELEVATION AND DATUM: 721.0 ft., NAD83/2011
START: 1/5/2021 **FINISH:** 1/5/2021

FIELD SAMPLE INFORMATION

	HAMMER	SAMPLER				
WEIGHT(S)	140 lbs	-				
FALL	30"	-	CASING	TUBE	CORE	RIG TYPE:
TYPE	-	Macrocore/Split Spoon	HSA	-	-	**CME LL 55**
ID/OD	-	3"	4.25"/9"	-	-	

DEPTH (feet bgs)	SAMPLE ID	RECOVERY	PID (ppm)	ODOR OBSERVED	BLOW COUNTS	VISIBLE PRODUCT	GEOLOGIC DESCRIPTION	USCS DESCRIPTION	COMMENTS
24.0	-	6"	0.0	N	-	N	Gray CLAY	CL	Wet
28.0	-	0"	-	-	-	-	No Recovery	-	-
32.0	-	18"	0.0	N	-	N	Gray CLAY	CL	Wet Moist
35.0							Boring terminated at 35.0' bgs Install monitoring well PRMW-3D		

BOREHOLE LOG

BORING ID #: PRMW-3S

PROJECT NAME: NYSEG Penn Yan
SITE LOCATION: Penn Yan, NY
DRILLING CO.: Nothnagle
BOREHOLE DIAMETER: 9"
TOTAL DEPTH REACHED: 20' bgs
NORTHING: 969032.7

PROJECT NO.: 60648952
BORING LOCATION: PRMW-3S
DRILLER: Bryan Swartz
DEPTH TO BEDROCK: N/A
INSPECTOR: Alexandra Golden
EASTING: 693434.5

CLIENT: NYSEG
DRILLING METHOD: Hollow Stem Auger, 4' Macrocore
TOTAL DEPTH DRILLED: 20' bgs
WEATHER CONDITIONS: 30°F, Overcast
ELEVATION AND DATUM: 720.9 ft., NAD83/2011
START: 1/5/2021 **FINISH:** 1/6/2021

	HAMMER	SAMPLER				
WEIGHT(S)	140 lbs	-				
FALL	30"	-	CASING	TUBE	CORE	RIG TYPE:
TYPE	-	Macrocore/ Split Spoon	HSA	-	-	**CME LL 55**
ID/OD	-	3"	4.25"/9"	-	-	

DEPTH (feet bgs)	SAMPLE ID	RECOVERY	PID (ppm)	ODOR OBSERVED	BLOW COUNTS	VISIBLE PRODUCT	GEOLOGIC DESCRIPTION	USCS DESCRIPTION	COMMENTS
0.0	-	10"	0.0	N	-	N	Brown fine-coarse SAND, trace organics	Fill	Dry
4.0	-	8"	0.0	N	-	N	Same as above (SAA) Switch to 3" Split Spoon	Fill	Dry
6.0	-	-	-	N	-	N	Cobble fragment in tip of sampler; no recovery	-	-
8.0	-	24"	0.0	N	-	N	Brown SILT, some fine sand, little clay, trace coarse gravel; compact, moist	SM	Moist
10.0	-	24"	0.0	N	-	N	SAA; compact	SM	Moist
12.0	-	19"	0.0	N	-	N	SAA	SM	Moist
14.0	-	20"	0.0	N	-	N	SAA; Last 7": 1"-2" subangular-angular gravel	SM	Wet
16.0	-	24"	0.0	N	-	N	SAA 17.2':Gray CLAY; soft, wet	SM CL	Wet
18.0	-	3"	0.0	N	-	N	Gray SILT, subangular medium gravel, some sand; poorly sorted, very wet	GM	Wet
20.0							Boring terminated at 20' bgs Install monitoring well PRMW-3S		

BOREHOLE LOG

BORING ID #: PRMW-4S

PROJECT NAME NYSEG Penn Yan
SITE LOCATION: Penn Yan, NY
DRILLING CO.: Nothnagle
BOREHOLE DIAMETER: 9"
TOTAL DEPTH REACHED: 24' bgs
NORTHING: 968897.4

PROJECT NO.: 60648952
BORING LOCATION: PRMW-4S
DRILLER: Bryan Swartz
DEPTH TO BEDROCK: N/A
INSPECTOR: Alexandra Golden
EASTING: 693373.3

CLIENT: NYSEG
DRILLING METHOD: Hollow Stem Auger, 4' Macrocore
TOTAL DEPTH DRILLED: 24' bgs
WEATHER CONDITIONS: 30°F, Overcast
ELEVATION AND DATUM: 719.1 ft., NAD83/2011
START: 1/13/2021 **FINISH:** 1/13/2021

	HAMMER	SAMPLER				
WEIGHT(S)	-	-				
FALL	-	-	CASING	TUBE	CORE	RIG TYPE:
TYPE	-	Macrocore	HSA	-	-	CME LL 55
ID/OD	-	3"	4.25"/9"	-	-	

DEPTH (feet bgs)	SAMPLE ID	RECOVERY	PID (ppm)	ODOR OBSERVED	BLOW COUNTS	VISIBLE PRODUCT	GEOLOGIC DESCRIPTION	USCS DESCRIPTION	COMMENTS
0.0	-	28"	0.0	N	-	N	Brown silty fine-medium SAND, trace organics; dry 1.5': Same as above (SAA) with coarse gravel	Fill	Dry
4.0	-	13"	0.0	N	-	N	SAA (moist last 1")	Fill	Dry Moist
8.0	-	3"	0.0	N	-	N	Brown medium SAND; becoming wet	Fill	Moist Wet
10.0	-	48"	0.0	N	-	N	Brown medium-fine sand; loose 11.6': Brown medium-fine silty SAND; firm	Fill SM	Wet
14.0	-	23"	0.0	N	-	N	SAA, silty SAND 15.4': Dark brown SILT; firm	SM	Wet
18.0	-	0"	-	-	-	-	No recovery	-	-
20.0	-	0"	-	-	-	-	No recovery	-	-
24.0							Boring terminated at 24' bgs Install monitoring well PRMW-4S		

AECOM

BOREHOLE LOG

BORING ID #: PRMW-5D

PROJECT NAME NYSEG Penn Yan
SITE LOCATION: Penn Yan, NY
DRILLING CO.: Nothnagle
BOREHOLE DIAMETER: 9"
TOTAL DEPTH REACHED: 30' bgs
NORTHING: 968946.6

PROJECT NO.: 60648952
BORING LOCATION: PRMW-5D
DRILLER: Bryan Swartz
DEPTH TO BEDROCK: N/A
INSPECTOR: Alexandra Golden
EASTING: 693464.3

CLIENT: NYSEG
DRILLING METHOD: Hollow Stem Auger, 3" split spoon
TOTAL DEPTH DRILLED: 30' bgs
WEATHER CONDITIONS: 30°F, Overcast
ELEVATION AND DATUM: 718.0 ft., NAD83/2011
START: 1/12/2021 **FINISH:** 1/12/2021

	HAMMER	SAMPLER				
WEIGHT(S)	140 lbs	-				
FALL	30"	-	CASING	TUBE	CORE	RIG TYPE:
TYPE	-	Split Spoon	HSA	-	-	CME LL 55
ID/OD	-	3"/2"	4.25"/9"	-	-	

DEPTH (feet bgs)	SAMPLE ID	RECOVERY	PID (ppm)	ODOR OBSERVED	BLOW COUNTS	VISIBLE PRODUCT	GEOLOGIC DESCRIPTION	USCS DESCRIPTION	COMMENTS
0.0	-	16"	0.0	N	WOH 8 18 22	N	Brown medium SAND, angular gravel (1"-3"), trace organics; poorly sorted, loose, dry	Fill	Dry
2.0	-	16"	0.0	N	19 11 9 9	N	Same as above (SAA)	Fill	Dry
4.0	-	13"	0.0	N	6 16 13 13	N	SAA 4.6':Brown silty fine SAND, some gravel, little clay, trace organics; moist, compact	Fill	Dry Moist
6.0	-	7"	0.0	N	14 19 16 14	N	SAA, with coarse gravel	Fill	Moist
8.0	-	8"	0.0	N	4 4 6 6	N	SAA, loose, fine subrounded gravel throughout (0.25")	Fill	Wet
10.0	-	12"	0.0	N	1 2 2 1	N	Switch to 2" split spoon for remainder of boring SAA	Fill	Wet
12.0	-	6"	0.0	N	5 6 7 6	N	SAA	Fill	Wet
14.0	-	7"	0.0	N	7 2 3 3	N	SAA 14.3': Gray CLAY; soft, wet	Fill CL	Wet
16.0	-	24"	0.0	N	2 2 2 7	N	Gray CLAY; soft, wet	CL	Wet
18.0	-	14"	0.0	N	2 3 2 4	N	SAA	CL	Wet

AECOM

BOREHOLE LOG

BORING ID #: PRMW-5D CONT.

PROJECT NAME NYSEG Penn Yan
SITE LOCATION: Penn Yan, NY
DRILLING CO.: Nothnagle
BOREHOLE DIAMETER: 9"
TOTAL DEPTH REACHED: 30' bgs
NORTHING: 968946.6

PROJECT NO.: 60648952
BORING LOCATION: PRMW-5D
DRILLER: Bryan Swartz
DEPTH TO BEDROCK: N/A
INSPECTOR: Alexandra Golden
EASTING: 693464.3

CLIENT: NYSEG
DRILLING METHOD: Hollow Stem Auger, 3" split spoon
TOTAL DEPTH DRILLED: 30' bgs
WEATHER CONDITIONS: 30°F, Overcast
ELEVATION AND DATUM: 718.0 ft., NAD83/2011
START: 1/12/2021 **FINISH:** 1/12/2021

	HAMMER	SAMPLER				
WEIGHT(S)	140 lbs	-				
FALL	30"	-	CASING	TUBE	CORE	RIG TYPE:
TYPE	-	Split Spoon	HSA	-	-	CME LL 55
ID/OD	-	3"/2"	4.25"/9"	-	-	

DEPTH (feet bgs)	SAMPLE ID	RECOVERY	PID (ppm)	ODOR OBSERVED	BLOW COUNTS	VISIBLE PRODUCT	GEOLOGIC DESCRIPTION	USCS DESCRIPTION	COMMENTS
20.0	-	13"	0.0	N	4 4 6 9	N	SAA	CL	Wet
22.0	-	23"	0.0	N	5 9 10 13	N	SAA, very firm	CL	Wet
24.0	-	22"	0.0	N	6 12 15 9	N	SAA 25.0': Brown fine SAND; loose, wet	CL SP	Wet
26.0	-	24"	0.0	N	6 6 6 6	N	SAA	SP	Wet
28.0	-	6"	0.0	N	1 2 1 1	N	SAA, running sands	SP	Wet
30.0							Boring terminated at 30' bgs Install monitoring well PRMW-5D		

BOREHOLE LOG

BORING ID #: PRMW-5S

START DATE: 1/12/21 END DATE: 1/12/21

PROJECT NAME NYSEG Penn Yan	**PROJECT NO.:** 60648952	**CLIENT:** NYSEG
SITE LOCATION: Penn Yan, NY	**BORING LOCATION:** PRMW-5S	**DRILLING METHOD:** Hollow Stem Auger
DRILLING CO.: Nothnagle	**DRILLER:** Bryan Swartz	**TOTAL DEPTH DRILLED:** 20' bgs
BOREHOLE DIAMETER: 9"	**DEPTH TO BEDROCK:** N/A	**WEATHER CONDITIONS:** 30°F, Overcast
TOTAL DEPTH REACHED: 20' bgs	**INSPECTOR:** Alexandra Golden	**ELEVATION AND DATUM:** 718.1 ft., NAD83/2011
NORTHING: 968943.5	**EASTING:** 693460.2	**START:** 1/12/2021 **FINISH:** 1/12/2021

	HAMMER	SAMPLER				
WEIGHT(S)	140 lbs	-				
FALL	30"	-	CASING	TUBE	CORE	RIG TYPE:
TYPE	-	Split Spoon	HSA	-	-	**CME LL 55**
ID/OD	-	3"/2"	4.25"/9"	-	-	

FIELD SAMPLE INFORMATION									
DEPTH (feet bgs)	**SAMPLE ID**	**RECOVERY**	**PID (ppm)**	**ODOR OBSERVED**	**BLOW COUNTS**	**VISIBLE PRODUCT**	**GEOLOGIC DESCRIPTION**	**USCS DESCRIPTION**	**COMMENTS**
-	-	-	-	-	-	-	Advancing boring to 20' without sampling for installation of monitoring well PRMW-5S. See PRMW-5D boring log for Geologic Description. Boring terminated at 20.0' bgs Install monitoring well PRMW-5S	-	-

BOREHOLE LOG

BORING ID #: PRMW-6D

PROJECT NAME:	NYSEG Penn Yan	**PROJECT NO.:**	60648952	**CLIENT:**	NYSEG
SITE LOCATION:	Penn Yan, NY	**BORING LOCATION:**	MW-6D	**DRILLING METHOD:**	Hollow Stem Auger, 3" split spoon
DRILLING CO.:	Nothnagle	**DRILLER:**	Bryan Swartz	**TOTAL DEPTH DRILLED:**	34' bgs
BOREHOLE DIAMETER:	9"	**DEPTH TO BEDROCK:**	N/A	**WEATHER CONDITIONS:**	30°F, Overcast
TOTAL DEPTH REACHED:	34' bgs	**INSPECTOR:**	Alexandra Golden	**ELEVATION AND DATUM:**	718.5 ft., NAD83/2011
NORTHING:	968997.6	**EASTING:**	693516.1	**START:** 1/11/2021	**FINISH:** 1/11/2021

	HAMMER	SAMPLER				
WEIGHT(S)	140 lbs	-				
FALL	30"	-	CASING	TUBE	CORE	RIG TYPE:
TYPE	-	Split Spoon	HAS	-	-	**CME LL 55**
ID/OD	-	3"/2"	4.25"/9"	-	-	

DEPTH (feet bgs)	SAMPLE ID	RECOVERY	PID (ppm)	ODOR OBSERVED	BLOW COUNTS	VISIBLE PRODUCT	GEOLOGIC DESCRIPTION	USCS DESCRIPTION	COMMENTS
0.0	-	14"	0.0	N	WOH 4 8 10	N	Topsoil, trace organics 0.6':Brown coarse angular gravel (1"-3"), medium-fine silty sand	Fill	Dry
2.0	-	16"	0.0	N	WOH 2 4 8	N	Same as above (SAA) 2.5': Gray medium-coarse SAND, some subangular fine-medium gravel hroughout; dry	Fill	Dry
4.0	-	16"	0.0	N	2 4 8 11	N	Brown silty SAND, trace gravel; compact, soft 4.8': Gray silty SAND; medium coarse, stiff	Fill	Dry
6.0	-	24"	0.0	N	4 12 14 18	N	Brown-gray silty SAND; loose, fine grained 6.1': SAA, gravel; firm, moist	Fill	Wet Moist
8.0	-	0"	-	-	2 2 4 6	-	Switch to 2" split spoon for remainder of boring No recovery	Fill	-
10.0	-	0"	-	-	4 4 4 6	-	No recovery	Fill	-
12.0	-	10"	0.0	N	4 8 12 12	N	Light gray CLAY; moist, compact	CL	Moist
14.0	-	21"	0.0	N	2 2 2 4	N	Gray silty SAND 14.1': Light gray CLAY; moist, compact	SM CL	Moist
16.0	-	16"	0.0	N	4 8 10 3	N	SAA	CL	Wet
18.0	-	20"	0.0	N	WOH 4 4 5	N	SAA	CL	Wet

BOREHOLE LOG

BORING ID #: PRMW-6D CONT.

PROJECT NAME:	NYSEG Penn Yan	**PROJECT NO.:**	60648952	**CLIENT:**	NYSEG
SITE LOCATION:	Penn Yan, NY	**BORING LOCATION:**	PRMW-6D	**DRILLING METHOD:**	Hollow Stem Auger, 3" split spoon
DRILLING CO.:	Nothnagle	**DRILLER:**	Bryan Swartz	**TOTAL DEPTH DRILLED:**	34' bgs
BOREHOLE DIAMETER:	9"	**DEPTH TO BEDROCK:**	N/A	**WEATHER CONDITIONS:**	30°F, Overcast
TOTAL DEPTH REACHED:	34' bgs	**INSPECTOR:**	Alexandra Golden	**ELEVATION AND DATUM:**	718.5 ft., NAD83/2011
NORTHING:	968997.6	**EASTING:**	693516.1	**START:** 1/11/2021	**FINISH:** 1/11/2021

	HAMMER	SAMPLER				
WEIGHT(S)	140 lbs	-				
FALL	30"	-	CASING	TUBE	CORE	RIG TYPE:
TYPE	-	Split Spoon	HSA	-	-	**CME LL 55**
ID/OD	-	3"/2"	4.25"/9"	-	-	

DEPTH (feet bgs)	SAMPLE ID	RECOVERY	PID (ppm)	ODOR OBSERVED	BLOW COUNTS	VISIBLE PRODUCT	GEOLOGIC DESCRIPTION	USCS DESCRIPTION	COMMENTS
20.0	-	0"	-	-	WOH 4 6 6	-	No Recovery	-	-
22.0	-	11"	0.0	N	WOH 5 5 6	N	Light gray SILT, some fine sand, fine subangular gravel (0.25")	SM	Wet
24.0	-	15"	0.0	N	4 4 4 6	N	Gray SILT, some fine sand, little fine-medium gravel; compact, moist	SM	Wet
26.0	-	10"	0.0	N	13 14 17 24	N	SAA	SM	Wet
28.0	-	12"	0.0	N	4 6 8 5	N	Brown fine SAND, some silt, loose, wet, homogeneous	SP	Wet
30.0	-	9.5"	0.0	N	4 5 8 9	N	SAA	SP	Wet
32.0	-	24"	0.0	N	5 10 14 12	N	SAA	SP	Wet
34.0							Boring terminated at 34' bgs Install monitoring well PRMW-6D		

BOREHOLE LOG

BORING ID #: PRMW-6S

PROJECT NAME NYSEG Penn Yan
SITE LOCATION: Penn Yan, NY
DRILLING CO.: Nothnagle
BOREHOLE DIAMETER: 9"
TOTAL DEPTH REACHED: 20' bgs
NORTHING: 968993.9

PROJECT NO.: 60648952
BORING LOCATION: PRMW-6S
DRILLER: Bryan Swartz
DEPTH TO BEDROCK: N/A
INSPECTOR: Alexandra Golden
EASTING: 693519.0

CLIENT: NYSEG
DRILLING METHOD: Hollow Stem Auger, 4' Macrocore
TOTAL DEPTH DRILLED: 20' bgs
WEATHER CONDITIONS: 30°F, Overcast
ELEVATION AND DATUM: 717.9 ft, NAD83/2011
START: 1/8/2021 **FINISH:** 1/8/2021

	HAMMER	SAMPLER				
WEIGHT(S)	-	-				
FALL	-	-	CASING	TUBE	CORE	RIG TYPE:
TYPE	-	Macrocore	HSA	-	-	CME LL 55
ID/OD	-	3"	4.25"/9"	-	-	

DEPTH (feet bgs)	SAMPLE ID	RECOVERY	PID (ppm)	ODOR OBSERVED	BLOW COUNTS	VISIBLE PRODUCT	GEOLOGIC DESCRIPTION	USCS DESCRIPTION	COMMENTS
0.0		16"	0.0	N	-	N	Topsoil, trace organics 0.5': Brown fine-medium SAND, fine-coarse angular gravel; poorly sorted, loose, dry	Fill	Dry
4.0		0"	-	-	-	-	No Recovery	-	-
8.0		48"	0.0	N	-	N	Gray CLAY; compact, moist 11.2':Dark gray CLAY, little subrounded gravel; compact	CL	Moist
12.0		21"	0.0	N	-	N	Same as above (SAA) 13': Coarse subangular GRAVEL (1"- 2")	CL	Moist Wet
14.0		30"	0.0	N	-	N	SAA, little subrounded gravel	CL	Wet
18.0		21"	0.0	N	-	N	SAA, light gray	CL	Wet
20.00							Boring terminated at 20' bgs Install monitoring well PRMW-6S		

DRILLING SUMMARY

Geologist:
Alexandra Golden

Drilling Company:
Nothnagle Drilling

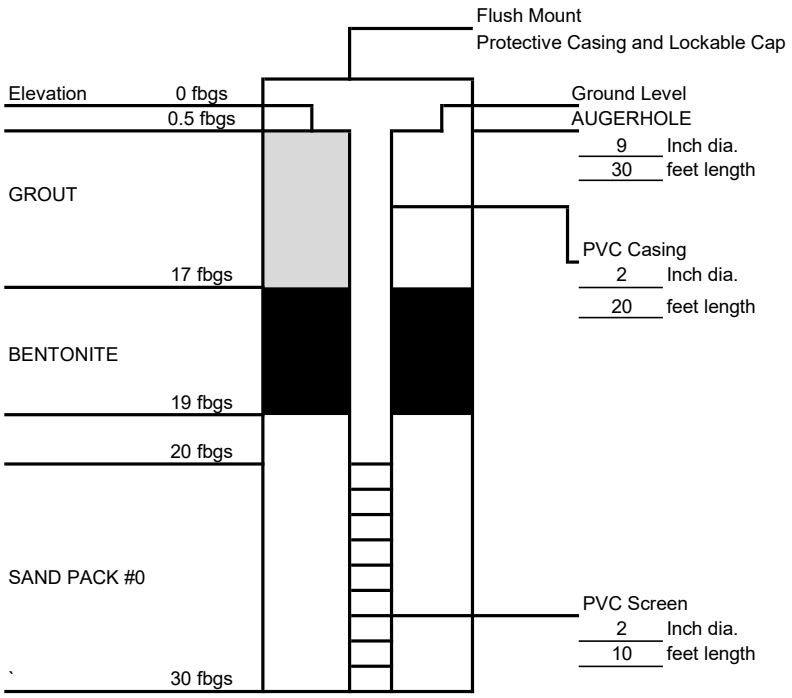
Driller:
Bryan Swartz

Rig Make/Model:
CME LL 55- Hollow Stem Auger

Date:
1/13/2021

GEOLOGIC LOG

Depth (fbgs):	Description:
0 - 20	SM
20 - 30	CL



WELL DESIGN

CASING MATERIAL	SCREEN MATERIAL	FILTER MATERIAL
SURFACE: Flush mount with well box	**TYPE:** 2" PVC	**TYPE:** #0 SAND **SETTING:** 30 - 19 fbgs
MONITOR: 2" PVC	**SLOT SIZE:** 0.02	**SEAL MATERIAL** **TYPE:** Bentonite, 3/8" hole plug **SETTING:** 19 - 17 fbgs

COMMENTS:

0.5 - 17 fbgs = Grout

17 - 19 fbgs = Bentonite seal, time released pellet

19 - 30 fbgs = Sand Pack

LEGEND

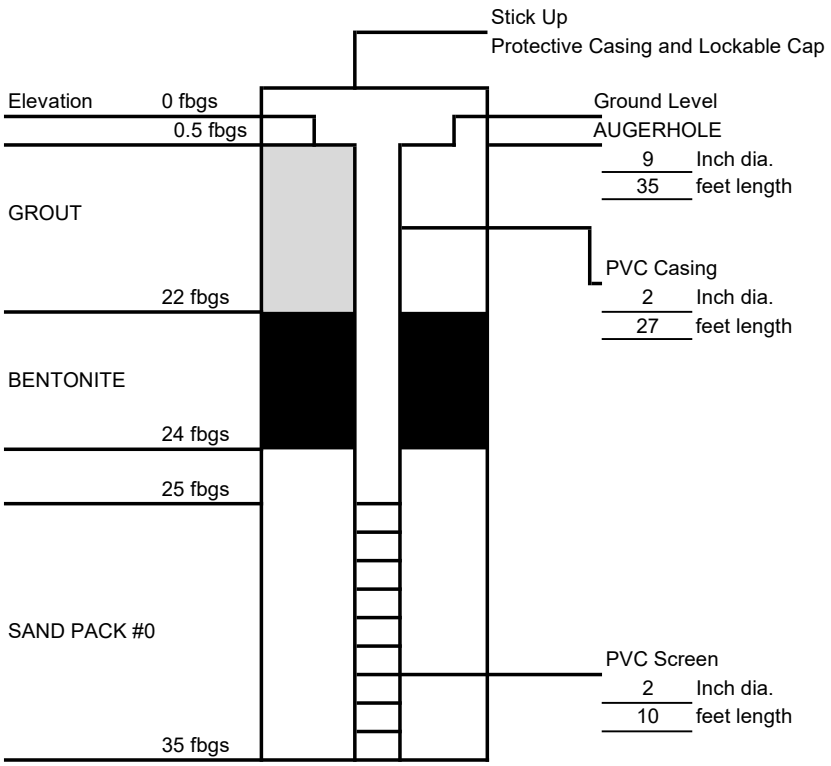
- Cement/Bentonite Grout
- Bentonite Seal
- Sand Pack

Client: NYSEG	**Location:** Penn Yan, NY	**Project Number:** 60648952
AECOM	**MONITORING WELL CONSTRUCTION DETAILS**	**Well ID:** **PRMW-1S**

DRILLING SUMMARY
Geologist:
Alexandra Golden
Drilling Company:
Nothnagle Drilling
Driller:
Bryan Swartz
Rig Make/Model:
CME LL 55- Hollow Stem Auger
Date:
1/14/2021

GEOLOGIC LOG

Depth (fbgs):	Description:
0 - 6.3	Fill
6.3 - 23	SM
23 - 29	CL
29 - 35	SP



WELL DESIGN

CASING MATERIAL	SCREEN MATERIAL	FILTER MATERIAL
SURFACE: Stick up above grade, 4" Steel casing	**TYPE:** 2" PVC	**TYPE:** #0 SAND **SETTING:** 35 - 24 fbgs
MONITOR: 2" PVC	**SLOT SIZE:** 0.02	**SEAL MATERIAL** **TYPE:** Bentonite, 3/8" hole plug **SETTING:** 24 - 22 fbgs

COMMENTS:

0.5 - 22 fbgs = Grout

22 - 24 fbgs = Bentonite seal, time released pellet

24 - 35 fbgs = Sand Pack

LEGEND

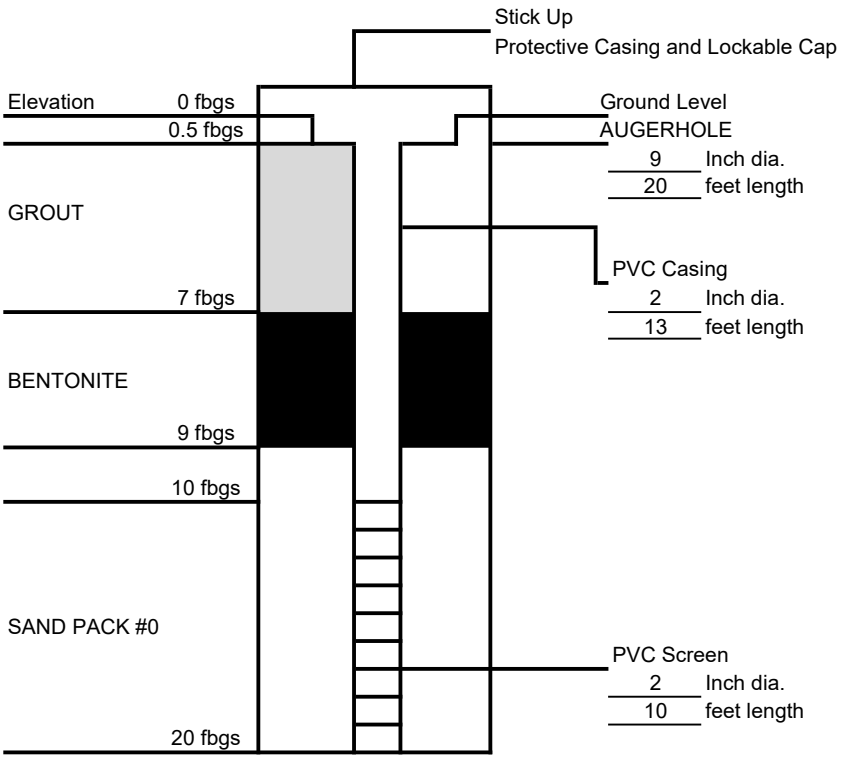
- Cement/Bentonite Grout
- Bentonite Seal
- Sand Pack

Client: NYSEG	**Location:** Penn Yan, NY	**Project Number:** 60648952
AECOM	**MONITORING WELL CONSTRUCTION DETAILS**	**Well ID:** **PRMW-2D**

DRILLING SUMMARY
Geologist:
Alexandra Golden
Drilling Company:
Nothnagle Drilling
Driller:
Bryan Swartz
Rig Make/Model:
CME LL 55- Hollow Stem Auger
Date:
1/14/2021

GEOLOGIC LOG

Depth (fbgs):	Description:
0 - 6.3	Fill
6.3 - 20	SM



WELL DESIGN

CASING MATERIAL	SCREEN MATERIAL	FILTER MATERIAL
SURFACE: Stick up above grade, 4" Steel casing	**TYPE:** 2" PVC	**TYPE:** #0 SAND **SETTING:** 20 - 9 fbgs
MONITOR: 2" PVC	**SLOT SIZE:** 0.02	**SEAL MATERIAL** **TYPE:** Bentonite, 3/8" hole plug **SETTING:** 9 - 7 fbgs

COMMENTS:

0.5 - 7 fbgs = Grout

7 - 9 fbgs = Bentonite seal, time released pellet

9 - 20 fbgs = Sand Pack

LEGEND

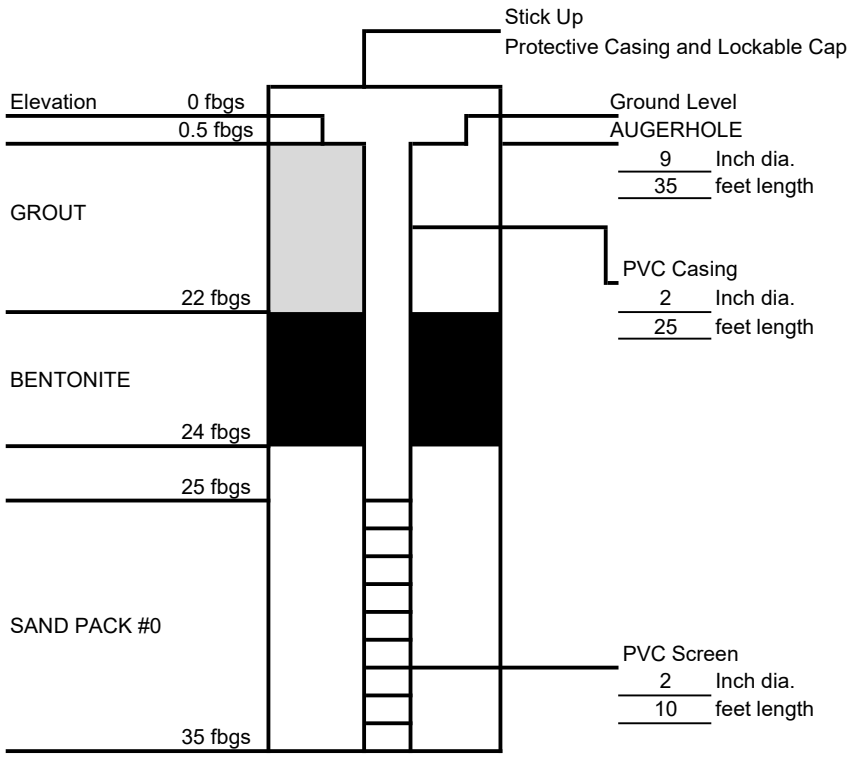
- Cement/Bentonite Grout
- Bentonite Seal
- Sand Pack

Client: NYSEG	**Location:** Penn Yan, NY	**Project Number:** 60648952
AECOM	**MONITORING WELL CONSTRUCTION DETAILS**	**Well ID:** **PRMW-2S**

DRILLING SUMMARY
Geologist:
Alexandra Golden
Drilling Company:
Nothnagle Drilling
Driller:
Bryan Swartz
Rig Make/Model:
CME LL 55- Hollow Stem Auger
Date:
1/5/2021

GEOLOGIC LOG

Depth (fbgs):	Description:
0 - 6	Fill
6 - 15	SM
15 - 35	CL



WELL DESIGN

CASING MATERIAL	SCREEN MATERIAL	FILTER MATERIAL
SURFACE: Stick up above grade, 4" Steel casing **MONITOR:** 2" PVC	**TYPE:** 2" PVC **SLOT SIZE:** 0.02	**TYPE:** #0 SAND **SETTING:** 35 - 24 fbgs **SEAL MATERIAL** **TYPE:** Bentonite, 3/8" hole plug **SETTING:** 24 - 22 fbgs

COMMENTS: Gauged water level - 7.50'

0.5 - 22 fbgs = Grout

22 - 24 fbgs = Bentonite seal, time released pellet

24 - 35 fbgs = Sand Pack

LEGEND

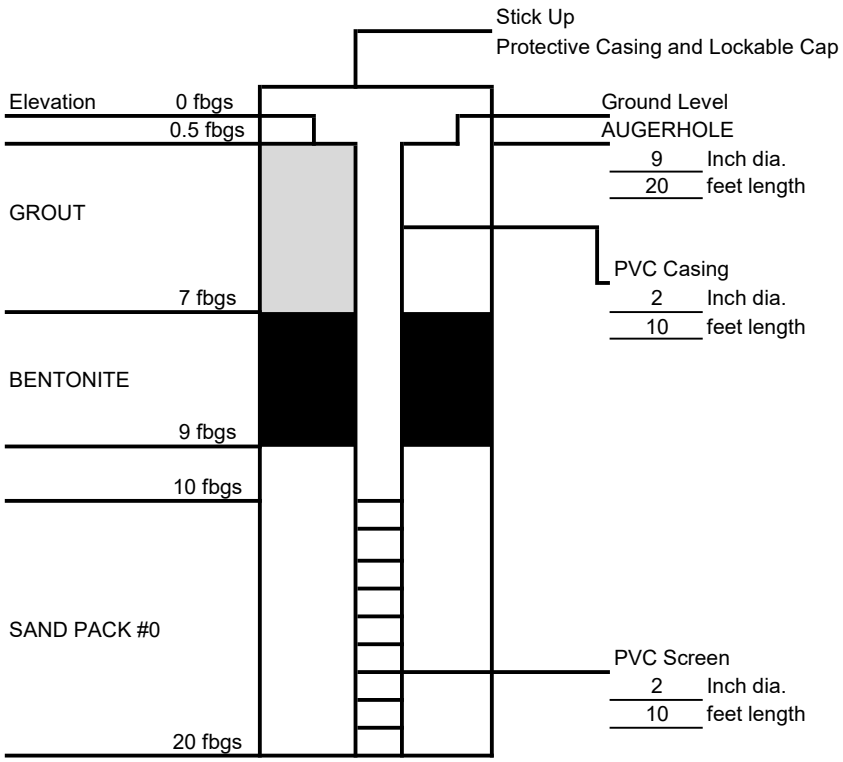
- Cement/Bentonite Grout
- Bentonite Seal
- Sand Pack

Client: NYSEG	**Location:** Penn Yan, NY	**Project Number:** 60648952
AECOM	**MONITORING WELL CONSTRUCTION DETAILS**	**Well ID:** **PRMW-3D**

DRILLING SUMMARY
Geologist:
Alexandra Golden
Drilling Company:
Nothnagle Drilling
Driller:
Bryan Swartz
Rig Make/Model:
CME LL 55- Hollow Stem Auger
Date:
1/6/2021

GEOLOGIC LOG

Depth (fbgs):	Description:
0 - 8	Fill
8 - 17.2	SM
17.2 - 18	CL
18 - 20	GM



WELL DESIGN

CASING MATERIAL	SCREEN MATERIAL	FILTER MATERIAL
SURFACE: Stick up above grade, 4" Steel casing	**TYPE:** 2" PVC	**TYPE:** #0 SAND **SETTING:** 20 - 9 fbgs
MONITOR: 2" PVC	**SLOT SIZE:** 0.02	**SEAL MATERIAL** **TYPE:** Bentonite, 3/8" hole plug **SETTING:** 9 - 7 fbgs

COMMENTS: Gauged water level - 9.29'

0.5 - 7 fbgs = Grout

7 - 9 fbgs = Bentonite seal, time released pellet

9 - 20 fbgs = Sand Pack

LEGEND

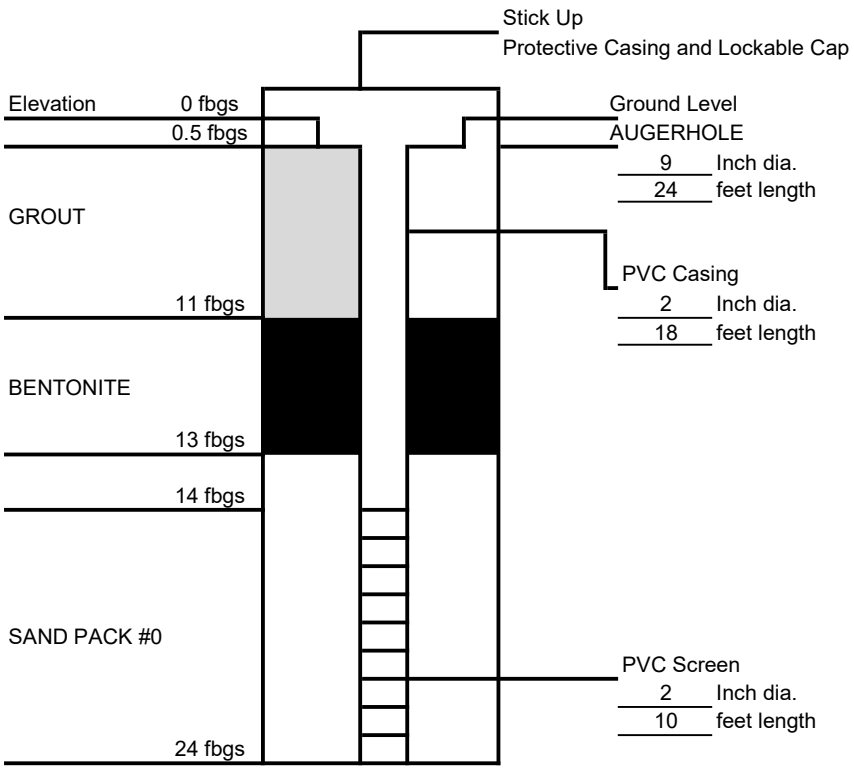
- Cement/Bentonite Grout
- Bentonite Seal
- Sand Pack

Client: NYSEG	**Location:** Penn Yan, NY	**Project Number:** 60648952
AECOM	**MONITORING WELL CONSTRUCTION DETAILS**	**Well ID:** **PRMW-3S**

DRILLING SUMMARY
Geologist:
Alexandra Golden
Drilling Company:
Nothnagle Drilling
Driller:
Bryan Swartz
Rig Make/Model:
CME LL 55- Hollow Stem Auger
Date:
1/13/2021

GEOLOGIC LOG

Depth (fbgs):	Description:
0 - 8	Fill
8-10	SP
8 - 18	SM
18 - 24	No Recovery



WELL DESIGN

CASING MATERIAL	SCREEN MATERIAL	FILTER MATERIAL
SURFACE: Stick up above grade, 4" Steel casing **MONITOR:** 2" PVC	**TYPE:** 2" PVC **SLOT SIZE:** 0.02	**TYPE:** #0 SAND **SETTING:** 24 - 13 fbgs **SEAL MATERIAL** **TYPE:** Bentonite, 3/8" hole plug **SETTING:** 13 - 11 fbgs

COMMENTS:

0.5 - 11 fbgs = Grout

11 - 13 fbgs =Bentonite seal, time released pellet

13 - 24 fbgs = Sand Pack

LEGEND

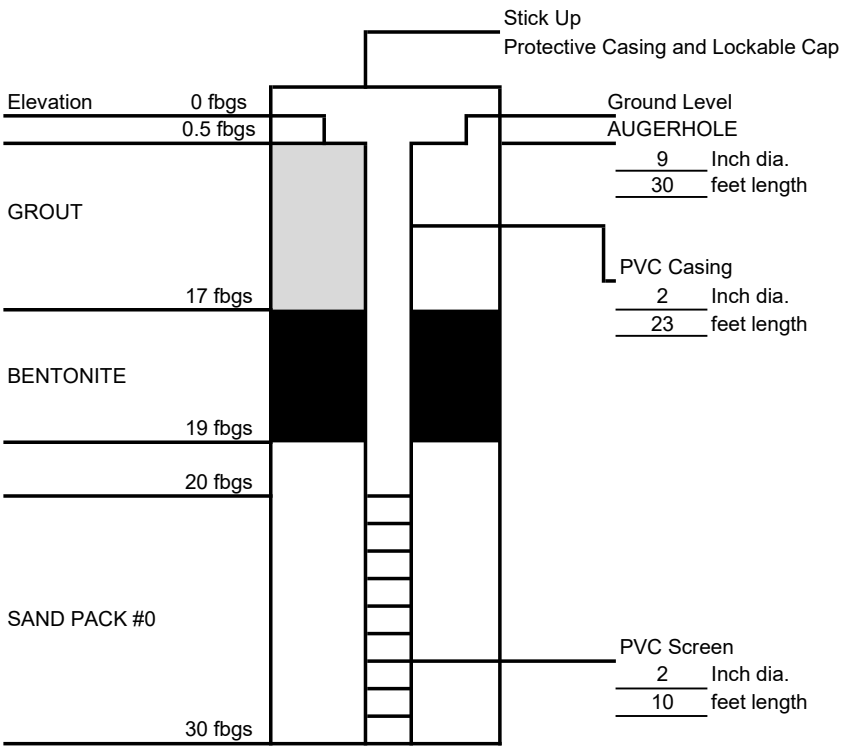
- Cement/Bentonite Grout
- Bentonite Seal
- Sand Pack

Client: NYSEG	**Location:** Penn Yan, NY	**Project Number:** 60648952
AECOM	**MONITORING WELL CONSTRUCTION DETAILS**	**Well ID:** **PRMW-4S**

DRILLING SUMMARY
Geologist:
Alexandra Golden
Drilling Company:
Nothnagle Drilling
Driller:
Bryan Swartz
Rig Make/Model:
CME LL 55- Hollow Stem Auger
Date:
1/12/2021

GEOLOGIC LOG

Depth (fbgs):	Description:
0 - 4.6	Fill
4.6 - 14.25	SM
14.25 - 25	CL
25 - 30	SP



WELL DESIGN

CASING MATERIAL	SCREEN MATERIAL	FILTER MATERIAL
SURFACE: Stick up above grade, 4" Steel casing	**TYPE:** 2" PVC	**TYPE:** #0 SAND **SETTING:** 30 - 19 fbgs
MONITOR: 2" PVC	**SLOT SIZE:** 0.02	**SEAL MATERIAL** **TYPE:** Bentonite, 3/8" hole plug **SETTING:** 19 - 17 fbgs

COMMENTS: Gauged water level - 5.00'

0.5 - 17 fbgs = Grout

17 - 19 fbgs = Bentonite seal, time released pellet

19 - 30 fbgs = Sand Pack

LEGEND

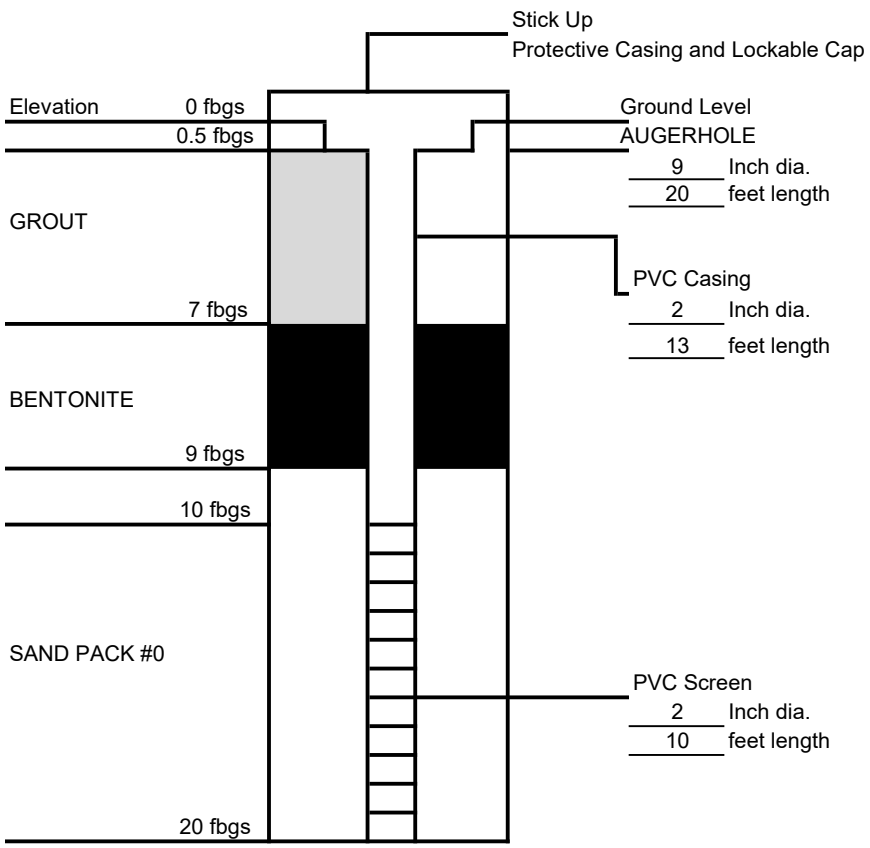
- Cement/Bentonite Grout
- Bentonite Seal
- Sand Pack

Client: NYSEG	**Location:** Penn Yan, NY	**Project Number:** 60648952
AECOM	**MONITORING WELL CONSTRUCTION DETAILS**	**Well ID:** **PRMW-5D**

DRILLING SUMMARY
Geologist:
Alexandra Golden
Drilling Company:
Nothnagle Drilling
Driller:
Bryan Swartz
Rig Make/Model:
CME LL 55- Hollow Stem Auger
Date:
1/12/2021

GEOLOGIC LOG

Depth (fbgs):	Description:
0 - 4.6	Fill
4.6 - 14.25	SM
14.25 - 20	CL



WELL DESIGN

CASING MATERIAL	SCREEN MATERIAL	FILTER MATERIAL
SURFACE: Stick up above grade, 4" Steel casing **MONITOR:** 2" PVC	**TYPE:** 2" PVC **SLOT SIZE:** 0.02	**TYPE:** #0 SAND **SETTING:** 20 - 9 fbgs **SEAL MATERIAL** **TYPE:** Bentonite, 3/8" hole plug **SETTING:** 9 - 7 fbgs

COMMENTS: Gauged water level - 7.69'

0.5 - 7 fbgs = Grout

7 - 9 fbgs = Bentonite seal, time released pellet

9 - 20 fbgs = Sand Pack

LEGEND

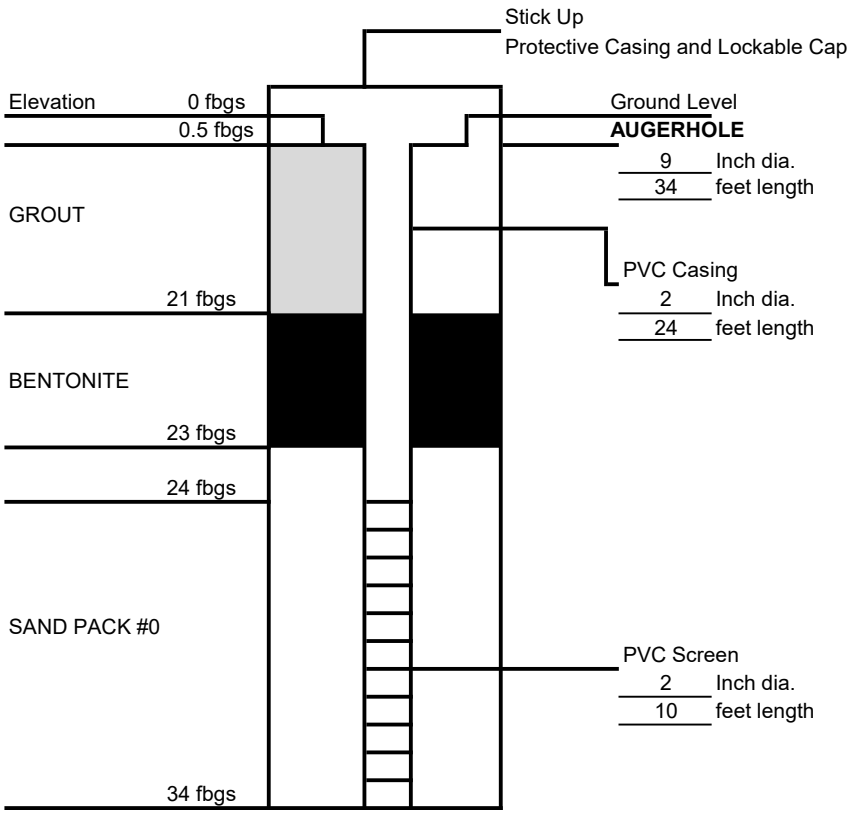
- Cement/Bentonite Grout
- Bentonite Seal
- Sand Pack

Client: NYSEG	**Location:** Penn Yan, NY	**Project Number:** 60648952
AECOM	**MONITORING WELL CONSTRUCTION DETAILS**	**Well ID:** **PRMW-5S**

DRILLING SUMMARY
Geologist:
Alexandra Golden
Drilling Company:
Nothnagle Drilling
Driller:
Bryan Swartz
Rig Make/Model:
CME LL 55- Hollow Stem Auger
Date:
1/11/2021

GEOLOGIC LOG

Depth (fbgs):	Description:
0 - 4	Fill
4 - 12	SM
12 - 22	CL
22 - 28	SM
28 - 34	SP



WELL DESIGN

CASING MATERIAL	SCREEN MATERIAL	FILTER MATERIAL
SURFACE: Stick up above grade, 4" Steel casing	**TYPE:** 2" PVC	**TYPE:** #0 SAND **SETTING:** 34 - 23 fbgs
MONITOR: 2" PVC	**SLOT SIZE:** 0.02	**SEAL MATERIAL** **TYPE:** Bentonite, 3/8" hole plug **SETTING:** 23 - 21 fbgs

COMMENTS: Gauged water level - 4.71'

0.5 - 21 fbgs = Grout

23 - 21 fbgs = Bentonite seal, time released pellet

23 - 34 fbgs = Sand Pack

LEGEND

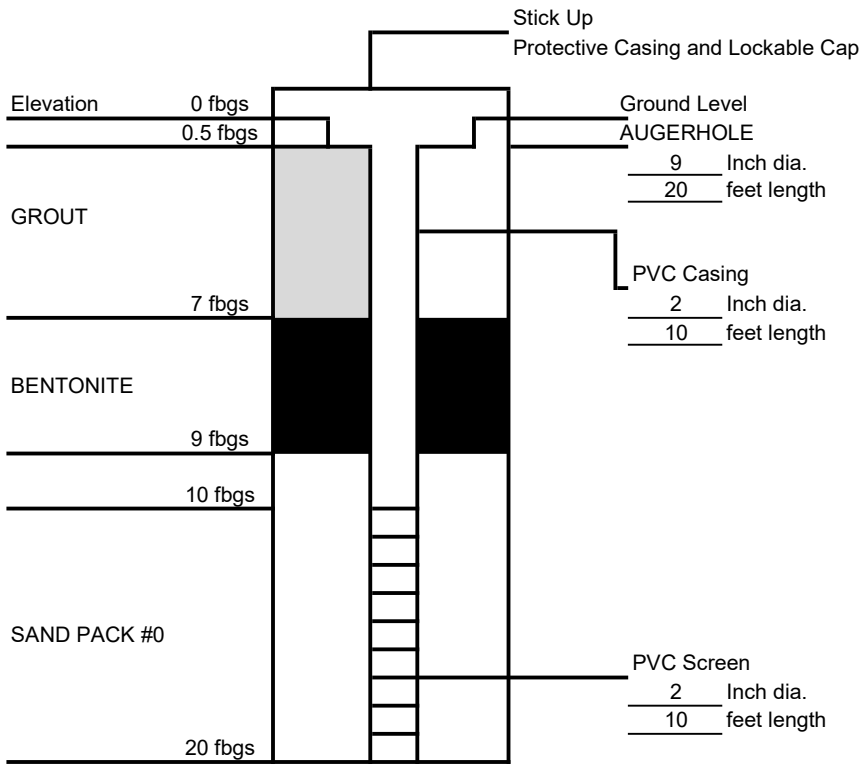
- Cement/Bentonite Grout
- Bentonite Seal
- Sand Pack

Client: NYSEG	**Location:** Penn Yan, NY	**Project Number:** 60648952
AECOM	**MONITORING WELL CONSTRUCTION DETAILS**	**Well ID:** **PRMW-6D**

DRILLING SUMMARY
Geologist:
Alexandra Golden
Drilling Company:
Nothnagle Drilling
Driller:
Bryan Swartz
Rig Make/Model:
CME LL 55- Hollow Stem Auger
Date:
1/8/2021

GEOLOGIC LOG

Depth (fbgs):	Description:
0 - 4	Fill
8 - 20	CL



WELL DESIGN

CASING MATERIAL	SCREEN MATERIAL	FILTER MATERIAL
SURFACE: Stick up above grade, 4" Steel casing	**TYPE:** 2" PVC	**TYPE:** #0 SAND **SETTING:** 20 - 9 fbgs
MONITOR: 2" PVC	**SLOT SIZE:** 0.02	**SEAL MATERIAL** **TYPE:** Bentonite, 3/8" hole plug **SETTING:** 9 - 7 fbgs

COMMENTS: Gauged water level - 6.55'

0.5 - 7 fbgs = Grout

7 - 9 fbgs = Bentonite seal, time released pellet

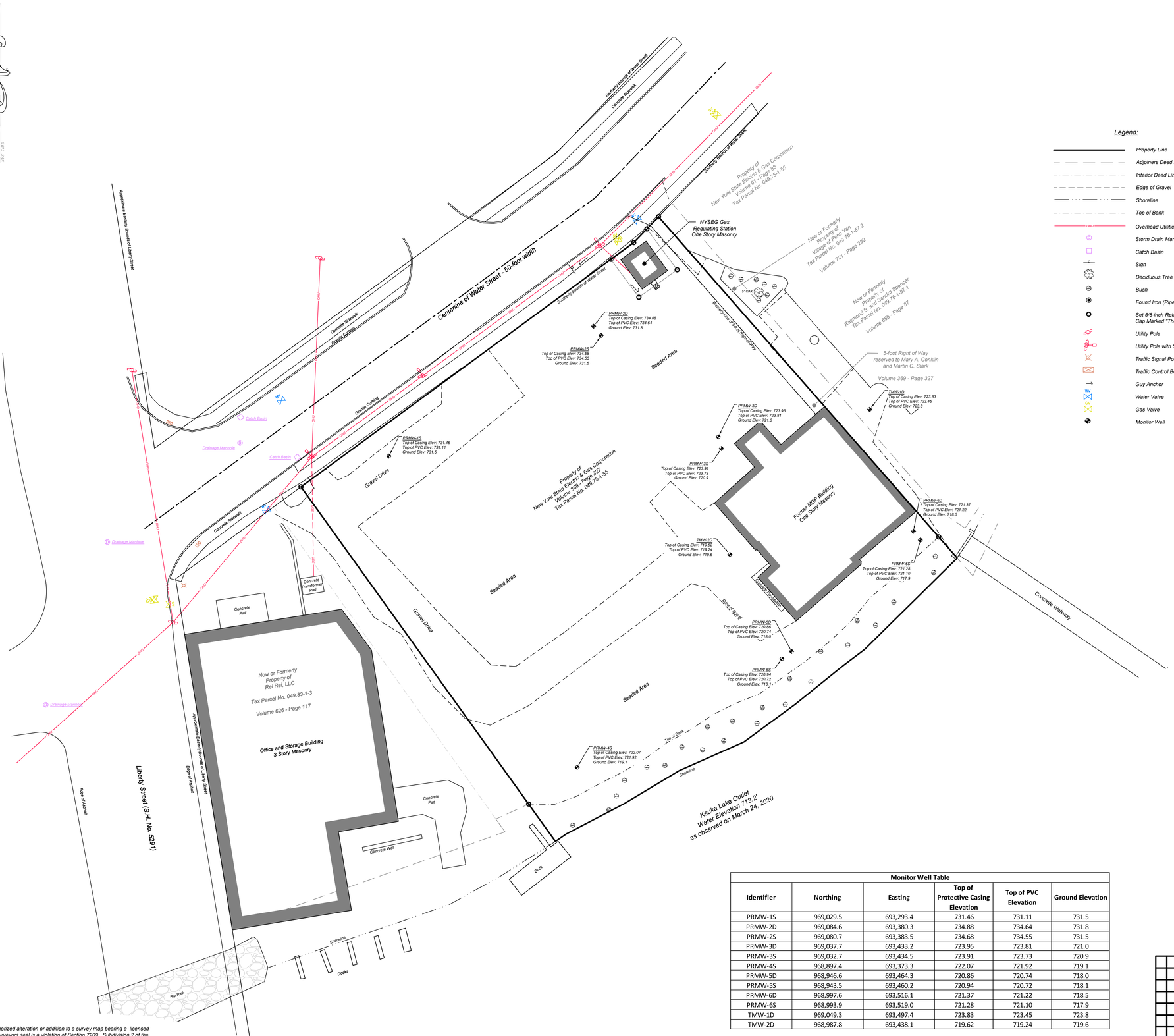
9 - 20 fbgs = Sand Pack

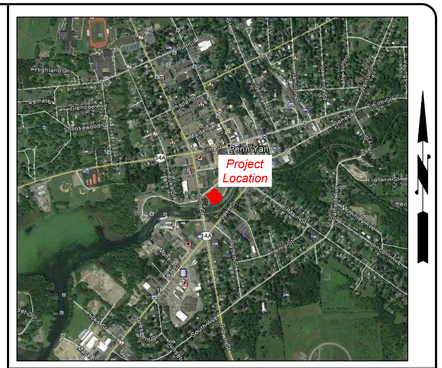
LEGEND

- Cement/Bentonite Grout
- Bentonite Seal
- Sand Pack

Client: NYSEG	**Location:** Penn Yan, NY	**Project Number:** 60648952
AECOM	**MONITORING WELL CONSTRUCTION DETAILS**	**Well ID:** **PRMW-6S**

Appendix B – Monitoring Well Survey Data





Google Earth Imagery
Not to Scale

Legend:

- Property Line
- Adjoiners Deed Line
- Interior Deed Line
- Edge of Gravel
- Shoreline
- Top of Bank
- OHU Overhead Utilities
- Storm Drain Manhole
- Catch Basin
- Sign
- Deciduous Tree
- Bush
- Found Iron (Pipe, Rebar, et cetera)
- Set 5/8-inch Rebar with 1 1/4-inch Red Plastic Cap Marked "Thew Associates Utica NY"
- Utility Pole
- Utility Pole with Street Light
- Traffic Signal Pole
- Traffic Control Box
- Guy Anchor
- WV Water Valve
- GV Gas Valve
- Monitor Well

General Notes:

1. This survey is referenced horizontally to the North American Datum of 1983, 2011 adjustment (NAD83/2011), projected on the New York State Plane Coordinate System (Central Zone).
2. North arrow as shown indicates Grid North referenced to NAD83/2011, projected on the New York State Plane Coordinate System (Central Zone).
3. The reference horizontal and vertical control station is a Cooperative Base Network Control Station designated as "PENPORT AZ MK". PENPORT AZ MK is a High Accuracy Reference Network (HARN) control station established by the National Geodetic Survey in 1988. Elevation 882.56 feet.
4. The infomation shown hereon is based on an instrument survey completed by Thew Associates PE-LS, PLLC on March 17, 2021.

Reference Drawings:

1. "Map Showing Environmental Easement, New York State Electric & Gas, Former Manufactured Gas Plant Site, NYSDEC Site No. 8-62-009", dated August 19, 2020, last revised February 16, 2021, prepared by Thew Associates PE-LS, PLLC, and is distinguished as Project Number UK755-01-20.

Monitor Well Table

Identifier	Northing	Easting	Top of Protective Casing Elevation	Top of PVC Elevation	Ground Elevation
PRMW-1S	969,029.5	693,293.4	731.46	731.11	731.5
PRMW-2D	969,084.6	693,380.3	734.88	734.64	731.8
PRMW-2S	969,080.7	693,383.5	734.68	734.55	731.5
PRMW-3D	969,037.7	693,433.2	723.95	723.81	721.0
PRMW-3S	969,032.7	693,434.5	723.91	723.73	720.9
PRMW-4S	968,897.4	693,373.3	722.07	721.92	719.1
PRMW-5D	968,946.6	693,464.3	720.86	720.74	718.0
PRMW-5S	968,943.5	693,460.2	720.94	720.72	718.1
PRMW-6D	968,997.6	693,516.1	721.37	721.22	718.5
PRMW-6S	968,993.9	693,519.0	721.28	721.10	717.9
TMW-1D	969,049.3	693,497.4	723.83	723.45	723.8
TMW-2D	968,987.8	693,438.1	719.62	719.24	719.6

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)

1 inch = 20 ft.

Unauthorized alteration or addition to a survey map bearing a licensed land surveyors seal is a violation of Section 7209, Subdivision 2 of the New York State Education Law.

Only copies from the original of this survey marked with an original of the surveyor's inked seal or his embossed seal shall be considered to be valid and true copies.

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REV	DESCRIPTION	DATE

DRAWN:

CHECKED:

SCALE: 1" = 20'

DATE: 03/23/2021

PROJECT NUMBER: 4154-12-20

Map Showing Monitor Well Locations
New York State Electric & Gas
Former Manufactured Gas Plant Site
NYSDEC Site No. 8-62-009

Village of Penn Yan
County of Yates
State of New York

P.O. Box 463
6431 US Highway 11
Canton, New York 13617
T: 315/386-2776
F: 315/386-1012

Thew Associates LAND SURVEYORS
www.ThewAssociates.com

9478 River Road
Marcy, New York 13403
T: 315/733-1278
F: 315/797-1957

Appendix C – Groundwater Sampling Purge Forms

Monitoring Well Purging / Sampling Form

Project Name and Number: Penn Yan Water St Former MGP - 60648952

Monitoring Well Number: PRMW-1S Date: February 22, 2021

Samplers: Patrick McHugh and Marleiah Oneill

Sample Number: MW-1S-022221 QA/QC Collected? No

Purging / Sampling Method: Low Flow/Peri Pump and Dedicated Tubing

1. L = Well Depth:	29.90	feet
2. D = Riser Diameter (I.D.):	0.17	feet
3. W = Depth to Water:	15.40	feet
4. C = Column of Water in Well:	14.50	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	2.46	gal
6. 3(V) = Target Purge Volume	7.38	gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using NTU + YSI DSS Pro

Parameter	Units	Readings					
Time	24 hr	12:20	12:25	12:30	12:35	12:40	12:45
Water Level (0.33)	feet	-	-	-	-	-	-
Volume Purged	gal	-	-	-	-	-	-
Flow Rate	mL/min	-	-	-	-	-	-
Turbidity (+/- 10%)	NTU	113.77	145.93	282.90	277.11	41.21	42.69
Dissolved Oxygen (+/- 10%)	%	16.4	14.2	12.7	12.1	11.7	11.6
Dissolved Oxygen (+/- 10%)	mg/L	1.72	1.48	1.32	1.26	1.22	1.22
Eh / ORP (+/- 10)	MeV	72.3	67.5	72.2	76.0	77.1	78.3
Specific Conductivity (+/- 3%)	mS/cm[c]	2.457	2.544	2.525	2.477	2.293	2.211
Conductivity (+/- 3%)	mS/cm	1.839	1.909	1.901	1.876	1.721	1.656
pH (+/- 0.1)	pH unit	7.17	7.16	7.13	7.12	7.14	7.14
Temp (+/- 0.5)	C°	11.9	12.0	12.1	12.1	12.0	11.9
Color	Visual	-	-	-	-	-	-
Odor	Olfactory	-	-	-	-	-	-

Comments:
DTB: 29.90
DTW: 15.40

Monitoring Well Purging / Sampling Form

Project Name and Number: Penn Yan Water St Former MGP - 60648952

Monitoring Well Number: PRMW-2D Date: February 23, 2021

Samplers: Patrick McHugh and Marleiah Oneill

Sample Number: MW-2D-022321 QA/QC Collected? No

Purging / Sampling Method: Low Flow/Peri Pump and Dedicated Tubing

1. L = Well Depth:	38.55	feet
2. D = Riser Diameter (I.D.):	0.17	feet
3. W = Depth to Water:	16.47	feet
4. C = Column of Water in Well:	22.08	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	3.75	gal
6. 3(V) = Target Purge Volume	11.25	gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using NTU + YSI DSS Pro

Parameter	**Units**	**Readings**						
Time	24 hr	16:30	16:35	16:40	16:45	16:50	16:55	17:00
Water Level (0.33)	feet	-	-	-	-	-	-	-
Volume Purged	gal	0.0	0.5	1.0	1.5	-	3.0	4.0
Flow Rate	mL/min	100	100	100	100	-	100	100
Turbidity (+/- 10%)	NTU	378.8	110.4	123.20	60.21	1000+	37.05	25.16
Dissolved Oxygen (+/- 10%)	%	85.9	87.5	85.8	87.5	-	57.8	23.9
Dissolved Oxygen (+/- 10%)	mg/L	8.89	9.28	9.14	9.46	-	6.17	2.66
Eh / ORP (+/- 10)	MeV	158.2	158.9	159.7	163.2	-	166.8	171.1
Specific Conductivity (+/- 3%)	mS/cm^c	0.706	0.689	0.684	0.688	-	0.741	0.782
Conductivity (+/- 3%)	mS/cm	0.531	0.514	0.511	0.491	-	0.542	0.554
pH (+/- 0.1)	pH unit	7.78	7.84	7.83	7.84	-	7.65	7.50
Temp (+/- 0.5)	C°	12.0	11.7	11.7	11.7	-	11.5	9.8
Color	Visual	cloudy	cloudyish	cloudyish	clearish	-	clear	clear
Odor	Olfactory	-	-	-	-	-	-	-

Comments:

Start pump at 16:30
Silt buildup in YSI at 16:50, need to clear; resume sampling at 16:55

Monitoring Well Purging / Sampling Form

Project Name and Number: Penn Yan Water Street Former MGP - 60648952

Monitoring Well Number: PRMW-2D (continued) Date: February 23, 2021

Samplers: Patrick McHugh and Marleiah Oneill

Sample Number: MW-2D-022321 QA/QC Collected? No

Purging / Sampling Method: Low Flow/Peri Pump and Dedicated Tubing

1. L = Well Depth:	38.55	feet	
2. D = Riser Diameter (I.D.):	0.17	feet	
3. W = Depth to Water:	16.47	feet	
4. C = Column of Water in Well:	22.08	feet	
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	3.75	gal	
6. 3(V) = Target Purge Volume	11.25	gal	

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using NTU + YSI DSS Pro

Parameter	Units	Readings						
Time	24 hr	16:05	16:10	16:15				
Water Level (0.33)	feet	-	-	-				
Volume Purged	gal	-	-	-				
Flow Rate	mL/min	-	-	-				
Turbidity (+/- 10%)	NTU	28.37	30.02	33.25				
Dissolved Oxygen (+/- 10%)	%	24.1	23.6	23.9				
Dissolved Oxygen (+/- 10%)	mg/L	2.68	2.63	2.63				
Eh / ORP (+/- 10)	MeV	171.8	172.0	172.4				
Specific Conductivity (+/- 3%)	mS/cm[c]	0.789	0.793	0.791				
Conductivity (+/- 3%)	mS/cm	0.561	0.563	0.560				
pH (+/- 0.1)	pH unit	7.50	7.51	7.50				
Temp (+/- 0.5)	C°	9.8	9.8	9.7				
Color	Visual	clear	clear	clear				
Odor	Olfactory	-	-	-				

Comments:
Sample at 16:20

Monitoring Well Purging / Sampling Form

Project Name and Number: Penn Yan Water St Former MGP - 60648952

Monitoring Well Number: PRMW-2S Date: February 23, 2021

Samplers: Patrick McHugh and Marleiah Oneill

Sample Number: MW-2S-022321 QA/QC Collected? MS & MSD

Purging / Sampling Method: Low Flow/Peri Pump and Dedicated Tubing

1. L = Well Depth:	23.09	feet
2. D = Riser Diameter (I.D.):	0.17	feet
3. W = Depth to Water:	16.1	feet
4. C = Column of Water in Well:	6.99	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	1.19	gal
6. 3(V) = Target Purge Volume	3.56	gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using NTU + YSI DSS Pro

Parameter	Units	Readings						
Time	24 hr	14:30	14:35	14:40	14:45	14:50	14:55	15:00
Water Level (0.33)	feet	-	-	-	-	-	-	-
Volume Purged	gal	0.00	1.00	1.50	2.00	2.50	3.50	4.00
Flow Rate	mL/min	>200	200	150	150	150	150	150
Turbidity (+/- 10%)	NTU	31.75	31.36	45.3	55.2	77.2	101.3	115.2
Dissolved Oxygen (+/- 10%)	%	32.4	27.5	25.50	22.90	19.30	16.80	13.40
Dissolved Oxygen (+/- 10%)	mg/L	3.54	3.03	2.81	2.52	2.10	1.84	1.42
Eh / ORP (+/- 10)	MeV	126.1	126.2	132.7	143.2	149.6	154.4	160.2
Specific Conductivity (+/- 3%)	mS/cm[c]	1.543	1.645	1.734	1.749	1.762	1.807	1.852
Conductivity (+/- 3%)	mS/cm	1.157	1.192	1.265	1.277	1.281	1.326	1.342
pH (+/- 0.1)	pH unit	7.44	7.43	7.37	7.35	7.32	7.30	7.29
Temp (+/- 0.5)	C°	11.0	10.9	10.70	10.20	10.90	11.00	10.90
Color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	Clear
Odor	Olfactory	-	-	-	-	-	-	-

Comments:

Start pump at 14:30
*NTU not reading correctly on YSI
**MS/MSD HERE

Monitoring Well Purging / Sampling Form

Project Name and Number: Penn Yan Water St Former MGP - 60648952

Monitoring Well Number: PRMW-2S (continued) Date: February 23, 2021

Samplers: Patrick McHugh and Marleiah Oneill

Sample Number: MW-2S-022321 QA/QC Collected? MS & MSD

Purging / Sampling Method: Low Flow/Peri Pump and Dedicated Tubing

1. L = Well Depth:	23.09	feet
2. D = Riser Diameter (I.D.):	0.17	feet
3. W = Depth to Water:	16.1	feet
4. C = Column of Water in Well:	6.99	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	1.19	gal
6. 3(V) = Target Purge Volume	3.56	gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using NTU + YSI DSS Pro

Parameter	**Units**	**Readings**						
Time	24 hr	15:05	15:10	15:15				
Water Level (0.33)	feet	-	-	-				
Volume Purged	gal	4.50	5.00	5.50				
Flow Rate	mL/min	150	150	150				
Turbidity (+/- 10%)	NTU	139.32	166.00	77.6				
Dissolved Oxygen (+/- 10%)	%	12.0	12.3	12.20				
Dissolved Oxygen (+/- 10%)	mg/L	1.32	1.35	1.35				
Eh / ORP (+/- 10)	MeV	163.3	166	167.2				
Specific Conductivity (+/- 3%)	mS/cm^c	1.881	1.870	1.87				
Conductivity (+/- 3%)	mS/cm	1.373	1.368	1.361				
pH (+/- 0.1)	pH unit	7.28	7.28	7.28				
Temp (+/- 0.5)	C°	10.9	10.8	10.70				
Color	Visual	Clear	Clear	Clear				
Odor	Olfactory	-	-	-				

Comments:

Start pump at 14:30
*NTU not reading correctly on YSI
**MS/MSD HERE

Monitoring Well Purging / Sampling Form

Project Name and Number: Penn Yan Water St Former MGP - 60648952

Monitoring Well Number: PRMW-3D Date: February 23, 2021

Samplers: Patrick McHugh and Marleiah Oneill

Sample Number: MW-3D-022321 QA/QC Collected? No

Purging / Sampling Method: Low Flow/Peri Pump and Dedicated Tubing

1. L = Well Depth:	36.25	feet
2. D = Riser Diameter (I.D.):	0.17	feet
3. W = Depth to Water:	6.8	feet
4. C = Column of Water in Well:	29.45	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	5.00	gal
6. 3(V) = Target Purge Volume	15.00	gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using NTU + YSI DSS Pro

Parameter	**Units**	**Readings**						
Time	24 hr	14:35	14:40	14:45	14:50	14:55		
Water Level (0.33)	feet	-	-	-	-	-		
Volume Purged	gal	-	-	-	-	-		
Flow Rate	mL/min	-	-	-	-	-		
Turbidity (+/- 10%)	NTU	31.06	37.37	45.46	49.61	50.80		
Dissolved Oxygen (+/- 10%)	%	17.7	8.4	7.5	6.9	6.6		
Dissolved Oxygen (+/- 10%)	mg/L	1.69	0.97	0.87	0.80	0.76		
Eh / ORP (+/- 10)	MeV	112.3	82.7	67.1	62.9	58.1		
Specific Conductivity (+/- 3%)	mS/cm[c]	-	-	-	-	-		
Conductivity (+/- 3%)	mS/cm	0.479	0.475	0.474	0.473	0.473		
pH (+/- 0.1)	pH unit	8.16	7.94	7.86	7.81	7.81		
Temp (+/- 0.5)	C°	8.4	8.3	8.0	8.1	8.2		
Color	Visual	-	-	-	-	-		
Odor	Olfactory	-	-	-	-	-		

Comments:

Pump on at 14:30

Monitoring Well Purging / Sampling Form

Project Name and Number: Penn Yan Water St Former MGP - 60648952

Monitoring Well Number: PRMW-3S Date: February 23, 2021

Samplers: Patrick McHugh and Marleiah Oneill

Sample Number: MW-3S-022321 QA/QC Collected? Dup-1-022321

Purging / Sampling Method: Low Flow/Peri Pump and Dedicated Tubing

1. L = Well Depth:	22.9	feet
2. D = Riser Diameter (I.D.):	0.17	feet
3. W = Depth to Water:	7.72	feet
4. C = Column of Water in Well:	15.18	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	2.58	gal
6. 3(V) = Target Purge Volume	7.73	gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using NTU + YSI DSS Pro

Parameter	Units	Readings						
Time	24 hr	13:32	13:38	13:42	13:48	13:52		
Water Level (0.33)	feet	-	-	-	-	-		
Volume Purged	gal	-	-	-	-	-		
Flow Rate	mL/min	-	-	-	-	-		
Turbidity (+/- 10%)	NTU	195.2	91.3	90.82	96.2	100.1		
Dissolved Oxygen (+/- 10%)	%	-	14.8	13.5	11.9	11.9		
Dissolved Oxygen (+/- 10%)	mg/L	4.39	1.71	1.56	1.38	1.39		
Eh / ORP (+/- 10)	MeV	85.2	105.4	109	109.5	108.8		
Specific Conductivity (+/- 3%)	mS/cm[c]	-	-	-	-	-		
Conductivity (+/- 3%)	mS/cm	0.826	0.794	0.787	0.783	0.778		
pH (+/- 0.1)	pH unit	8.20	7.60	7.53	7.49	7.48		
Temp (+/- 0.5)	C°	9.3	8.1	7.9	7.7	7.9		
Color	Visual	-	-	-	-	-		
Odor	Olfactory	-	-	-	-	-		

Comments:

Pump on at 12:15
Troubleshoot, peripump drive was backwards
Pump on again at 12:28

Monitoring Well Purging / Sampling Form

Project Name and Number: Penn Yan Water St Former MGP - 60648952

Monitoring Well Number: PRMW-4S Date: February 22, 2021

Samplers: Patrick McHugh and Marleiah Oneill

Sample Number: MW-4S-022221 QA/QC Collected? No

Purging / Sampling Method: Low Flow/Peri Pump and Dedicated Tubing

1. L = Well Depth:	27.3	feet
2. D = Riser Diameter (I.D.):	0.17	feet
3. W = Depth to Water:	7.52	feet
4. C = Column of Water in Well:	19.78	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	3.36	gal
6. 3(V) = Target Purge Volume	10.07	gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using NTU + YSI DSS Pro

Parameter	Units	Readings						
Time	24 hr	13:55	14:00	14:05	14:10	14:15		
Water Level (0.33)	feet	-	-	-	-	-		
Volume Purged	gal	-	-	-	-	-		
Flow Rate	mL/min	-	-	-	-	-		
Turbidity (+/- 10%)	NTU	24.05	39.05	44.83	45.81	47.35		
Dissolved Oxygen (+/- 10%)	%	4.7	3.3	2.4	2.4	2.3		
Dissolved Oxygen (+/- 10%)	mg/L	0.53	0.38	0.28	0.27	0.26		
Eh / ORP (+/- 10)	MeV	79.0	70.6	67.9	68.0	68.7		
Specific Conductivity (+/- 3%)	mS/cm[c]	0.841	0.944	1.109	1.113	1.140		
Conductivity (+/- 3%)	mS/cm	0.600	0.674	0.788	0.792	0.808		
pH (+/- 0.1)	pH unit	2.39	7.32	7.24	7.24	7.22		
Temp (+/- 0.5)	C°	10.0	9.9	9.8	9.8	9.9		
Color	Visual	clear	clear	clear	clear	clear		
Odor	Olfactory	-	-	-	-	-		

Comments:

Started at 13:50
Sampled at 14:20
Sample PFAS at 14:25

Monitoring Well Purging / Sampling Form

Project Name and Number: Penn Yan Water St Former MGP - 60648952

Monitoring Well Number: PRMW-5D Date: February 22, 2021

Samplers: Patrick McHugh and Marleiah Oneill

Sample Number: MW-5D-022221 QA/QC Collected? No

Purging / Sampling Method: Low Flow/Peri Pump and Dedicated Tubing

1. L = Well Depth:	33.27	feet
2. D = Riser Diameter (I.D.):	0.17	feet
3. W = Depth to Water:	4.32	feet
4. C = Column of Water in Well:	28.95	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	4.92	gal
6. 3(V) = Target Purge Volume	14.74	gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using NTU + YSI DSS Pro

Parameter	Units	Readings					
Time	24 hr	10:25	10:30	10:35	10:40	10:45	10:50
Water Level (0.33)	feet	-	-	-	-	-	-
Volume Purged	gal	-	-	-	-	-	-
Flow Rate	mL/min	-	-	-	-	-	-
Turbidity (+/- 10%)	NTU	1366.12	652.17	660.61	515.71	269.51	278.66
Dissolved Oxygen (+/- 10%)	%	19.5	3.7	3.0	2.7	2.8	2.5
Dissolved Oxygen (+/- 10%)	mg/L	1.96	0.40	0.33	0.30	0.31	0.28
Eh / ORP (+/- 10)	MeV	-104.6	-131.3	-135.7	-142.7	-136.3	-141.4
Specific Conductivity (+/- 3%)	mS/cm[c]	0.459	0.449	0.453	0.455	0.457	0.456
Conductivity (+/- 3%)	mS/cm	0.332	0.326	0.329	0.322	0.324	0.321
pH (+/- 0.1)	pH unit	8.15	7.72	7.64	7.60	7.60	7.61
Temp (+/- 0.5)	C°	10.7	10.6	10.7	9.9	9.8	9.8
Color	Visual	-	-	-	-	-	-
Odor	Olfactory	-	-	-	-	-	-

Comments:

Monitoring Well Purging / Sampling Form

Project Name and Number: Penn Yan Water St Former MGP - 60648952

Monitoring Well Number: PRMW-5S Date: February 22, 2021

Samplers: Patrick McHugh and Marleiah Oneill

Sample Number: MW-5S-022221 QA/QC Collected? No

Purging / Sampling Method: Low Flow/Peri Pump and Dedicated Tubing

1. L = Well Depth:	22.70	feet
2. D = Riser Diameter (I.D.):	0.17	feet
3. W = Depth to Water:	7.10	feet
4. C = Column of Water in Well:	15.6	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	2.65	gal
6. 3(V) = Target Purge Volume	7.95	gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using NTU + YSI DSS Pro

Parameter	**Units**	**Readings**						
Time	24 hr	11:25	11:30	11:35	11:40	11:45		
Water Level (0.33)	feet	-	-	-	-	-		
Volume Purged	gal	-	-	-	-	-		
Flow Rate	mL/min	-	-	-	-	-		
Turbidity (+/- 10%)	NTU	50.23	37.26	34.99	31.80	29.70		
Dissolved Oxygen (+/- 10%)	%	6.9	3.3	2.4	2.4	2.2		
Dissolved Oxygen (+/- 10%)	mg/L	0.75	0.37	0.28	0.27	0.24		
Eh / ORP (+/- 10)	MeV	-45.5	-71.5	-87.4	-88.9	-94.5		
Specific Conductivity (+/- 3%)	mS/cm^c	0.728	0.735	0.744	0.746	0.749		
Conductivity (+/- 3%)	mS/cm	0.509	0.509	0.515	0.514	0.517		
pH (+/- 0.1)	pH unit	7.52	7.37	7.33	7.33	7.35		
Temp (+/- 0.5)	C°	9.3	8.9	8.9	8.8	8.8		
Color	Visual	-	-	-	-	-		
Odor	Olfactory	-	-	-	-	-		

Comments:

Monitoring Well Purging / Sampling Form

Project Name and Number: Penn Yan Water St Former MGP - 60648952

Monitoring Well Number: PRMW-6D Date: February 22, 2021

Samplers: Patrick McHugh and Marleiah Oneill

Sample Number: MW-6D-022221 QA/QC Collected? No

Purging / Sampling Method: Low Flow/Peri Pump and Dedicated Tubing

1. L = Well Depth:	37.05	feet
2. D = Riser Diameter (I.D.):	0.17	feet
3. W = Depth to Water:	4.85	feet
4. C = Column of Water in Well:	32.2	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	5.47	gal
6. 3(V) = Target Purge Volume	16.40	gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using NTU + YSI DSS Pro

Parameter	Units	Readings						
Time	24 hr	10:40	10:45	10:50	10:55	11:00	11:05	11:10
Water Level (0.33)	feet	-	-	-	-	-	-	-
Volume Purged	gal	0.75	1.00	1.50	2.50	-	-	-
Flow Rate	mL/min	100	100	100	-	-	-	-
Turbidity (+/- 10%)	NTU	161.52	93.07	370.28	178.21	423.12	397.12	296.43
Dissolved Oxygen (+/- 10%)	%	3.6	2.5	2.0	1.6	2.3	2.0	2.2
Dissolved Oxygen (+/- 10%)	mg/L	0.41	0.28	0.22	0.18	0.27	0.24	0.26
Eh / ORP (+/- 10)	MeV	-120.8	-123.7	-129.4	-127.1	-129.6	-132.4	-131.2
Specific Conductivity (+/- 3%)	mS/cm^c	0.420	0.418	0.418	0.410	0.418	0.418	0.419
Conductivity (+/- 3%)	mS/cm	0.298	0.296	0.289	0.289	0.289	0.288	0.284
pH (+/- 0.1)	pH unit	7.89	7.88	7.88	7.89	7.88	7.88	7.88
Temp (+/- 0.5)	C°	9.8	9.6	9.7	9.6	8.8	8.7	8.2
Color	Visual	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy	cloudy
Odor	Olfactory	-	-	-	-	-	-	-

Comments:
Start at 10:35
Sampled at 11:20; 11:30 for PFAS
A lot of silt initially

Monitoring Well Purging / Sampling Form

Project Name and Number: Penn Yan Water St Former MGP - 60648952

Monitoring Well Number: PRMW-6D (continued) Date: February 22, 2021

Samplers: Patrick McHugh and Marleiah Oneill

Sample Number: MW-6D-022221 QA/QC Collected? No

Purging / Sampling Method: Low Flow/Peri Pump and Dedicated Tubing

1. L = Well Depth:	37.05	feet
2. D = Riser Diameter (I.D.):	0.17	feet
3. W = Depth to Water:	4.85	feet
4. C = Column of Water in Well:	32.2	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	5.47	gal
6. 3(V) = Target Purge Volume	16.40	gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using NTU + YSI DSS Pro

Parameter	**Units**	**Readings**						
Time	24 hr	11:15						
Water Level (0.33)	feet	-						
Volume Purged	gal	-						
Flow Rate	mL/min	-						
Turbidity (+/- 10%)	NTU	301.28						
Dissolved Oxygen (+/- 10%)	%	2.1						
Dissolved Oxygen (+/- 10%)	mg/L	0.25						
Eh / ORP (+/- 10)	MeV	-131.7						
Specific Conductivity (+/- 3%)	mS/cm^c	0.419						
Conductivity (+/- 3%)	mS/cm	0.285						
pH (+/- 0.1)	pH unit	7.88						
Temp (+/- 0.5)	C°	8.3						
Color	Visual	cloudy						
Odor	Olfactory	-						

Comments:
Start at 10:35
Sampled at 11:20; 11:30 for PFAS
A lot of silt initially

Monitoring Well Purging / Sampling Form

Project Name and Number: Penn Yan Water St Former MGP - 60648952

Monitoring Well Number: PRMW-6S Date: February 22, 2021

Samplers: Patrick McHugh and Marleiah Oneill

Sample Number: MW-6S-022221 QA/QC Collected? No

Purging / Sampling Method: Low Flow/Peri Pump and Dedicated Tubing

1. L = Well Depth:	23.20	feet
2. D = Riser Diameter (I.D.):	0.17	feet
3. W = Depth to Water:	6.52	feet
4. C = Column of Water in Well:	16.68	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	2.83	gal
6. 3(V) = Target Purge Volume	8.50	gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using NTU + YSI DSS Pro

Parameter	Units	Readings						
Time	24 hr	12:50	12:55	13:00	13:05	13:10	13:15	
Water Level (0.33)	feet	-	-	-	-	-	-	
Volume Purged	gal	-	-	-	-	-	-	
Flow Rate	mL/min	-	-	-	-	-	-	
Turbidity (+/- 10%)	NTU	62.38	39.90	44.64	52.48	55.40	56.72	
Dissolved Oxygen (+/- 10%)	%	21.9	19.9	19.0	18.3	17.4	15.7	
Dissolved Oxygen (+/- 10%)	mg/L	2.52	2.34	2.23	2.15	2.05	1.86	
Eh / ORP (+/- 10)	MeV	53.4	54.8	56.2	58.5	59.4	60.1	
Specific Conductivity (+/- 3%)	mS/cm[c]	0.479	0.478	0.479	0.483	0.485	0.489	
Conductivity (+/- 3%)	mS/cm	0.331	0.328	0.326	0.331	0.330	0.338	
pH (+/- 0.1)	pH unit	8.55	8.55	8.54	8.52	8.51	8.53	
Temp (+/- 0.5)	C°	8.80	8.50	8.30	8.60	8.50	8.60	
Color	Visual	clearish	clear	clear	clearish	clear	clear	
Odor	Olfactory	-	-	-	-	-	-	

Comments:
Started at 12:45, sample at 13:20, PFAS sample at 13:30

Monitoring Well Purging / Sampling Form

Project Name and Number: Penn Yan Water St Former MGP - 60648952

Monitoring Well Number: TMW-2D Date: February 24, 2021

Samplers: Patrick McHugh and Marleiah Oneill

Sample Number: TMW-2D-022421 QA/QC Collected? No

Purging / Sampling Method: Low Flow/Peri Pump and Dedicated Tubing

1. L = Well Depth:	7.34	feet
2. D = Riser Diameter (I.D.):	0.17	feet
3. W = Depth to Water:	2.03	feet
4. C = Column of Water in Well:	5.31	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	0.90	gal
6. 3(V) = Target Purge Volume	2.70	gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Readings Collected Using NTU + YSI DSS Pro

Parameter	Units	Readings						
Time	24 hr	9:55	10:00					
Water Level (0.33)	feet	-	-					
Volume Purged	gal	-	-					
Flow Rate	mL/min	-	-					
Turbidity (+/- 10%)	NTU	26.82	154.39					
Dissolved Oxygen (+/- 10%)	%	76.9	54.7					
Dissolved Oxygen (+/- 10%)	mg/L	10.06	6.83					
Eh / ORP (+/- 10)	MeV	141.7	162.2					
Specific Conductivity (+/- 3%)	mS/cm^c	0.396	0.270					
Conductivity (+/- 3%)	mS/cm	0.237	0.270					
pH (+/- 0.1)	pH unit	8.20	8.00					
Temp (+/- 0.5)	C°	4.1	5.9					
Color	Visual	clear	clear					
Odor	Olfactory	-	-					

Comments:
DTB: 7.34
DTW: 2.03
Start pump at 09:50
Well went dry at 10:00
Samples taken at 10:20 after recharge
NTU still climbing even when pump is off

Appendix D – Analytical Laboratory Report

eurofins | Environment Testing America

ANALYTICAL REPORT

Job Number: 480-181441-1

Job Description: NYSEG - Penn Yan Water St. MGP

For:
New York State Electric & Gas
18 Link Drive
Binghamton, NY 13902

Attention: Mr. John J Ruspantini



Approved for release.
Rebecca M Jones
Project Management Assistant I
3/5/2021 2:41 PM

Designee for
John R Schove, Project Manager II
10 Hazelwood Drive, Amherst, NY, 14228-2298
(716)504-9838
John.Schove@Eurofinset.com
03/05/2021

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Job Narrative
480-181441-1

Comments
No additional comments.

Receipt
The samples were received on 2/25/2021 11:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.6º C and 2.2º C.

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

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

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

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

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

Sample Summary

Client: New York State Electric & Gas
Job ID: 480-181441-1
Project/Site: NYSEG - Penn Yan Water St. MGP

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-181441-1	MW-6D-022221	Water	02/22/21 11:20	02/25/21 11:00	
480-181441-2	MW5S-022221	Water	02/22/21 11:50	02/25/21 11:00	
480-181441-3	MW-5D-022221	Water	02/22/21 10:50	02/25/21 11:00	
480-181441-4	MW-3D-022321	Water	02/23/21 14:55	02/25/21 11:00	
480-181441-5	MW-3S-022321	Water	02/23/21 13:55	02/25/21 11:00	
480-181441-6	DUP-1-022321	Water	02/23/21 14:00	02/25/21 11:00	
480-181441-7	MW-1S-022221	Water	02/22/21 12:45	02/25/21 11:00	
480-181441-8	MW-2S-022321	Water	02/23/21 15:20	02/25/21 11:00	
480-181441-9	MW-2D-022321	Water	02/23/21 16:20	02/25/21 11:00	
480-181441-10	MW-4S-022221	Water	02/22/21 14:20	02/25/21 11:00	
480-181441-11	MW-6S-022221	Water	02/22/21 13:20	02/25/21 11:00	
480-181441-12	TMW-2D-022421	Water	02/24/21 10:20	02/25/21 11:00	
480-181441-13	EQUIP BLANK	Water	02/23/21 13:35	02/25/21 11:00	
480-181441-14	TRIP BLANK	Water	02/24/21 00:00	02/25/21 11:00	

Detection Summary

Client: New York State Electric & Gas
Job ID: 480-181441-1
Project/Site: NYSEG - Penn Yan Water St. MGP

Client Sample ID: MW-6D-022221 — Lab Sample ID: 480-181441-1

No Detections.

Client Sample ID: MW5S-022221 — Lab Sample ID: 480-181441-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	42		1.0	0.41	ug/L	1		8260C	Total/NA
Ethylbenzene	2.7		1.0	0.74	ug/L	1		8260C	Total/NA
Toluene	1.1		1.0	0.51	ug/L	1		8260C	Total/NA
Xylenes, Total	6.5		2.0	0.66	ug/L	1		8260C	Total/NA
Acenaphthene	31		5.4	0.45	ug/L	1		8270D	Total/NA
Acenaphthylene	5.6		5.4	0.41	ug/L	1		8270D	Total/NA
Anthracene	4.7	J	5.4	0.30	ug/L	1		8270D	Total/NA
Fluoranthene	6.0		5.4	0.43	ug/L	1		8270D	Total/NA
Fluorene	11		5.4	0.39	ug/L	1		8270D	Total/NA
Naphthalene	34		5.4	0.83	ug/L	1		8270D	Total/NA
Phenanthrene	6.0		5.4	0.48	ug/L	1		8270D	Total/NA
Pyrene	3.8	J	5.4	0.37	ug/L	1		8270D	Total/NA
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	1.7	J	4.4	0.63	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.55	J	1.8	0.55	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.85	J	1.8	0.40	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	4.5		1.8	0.73	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.0	J	1.8	0.76	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	1.2	J	1.8	0.86	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	4.4		1.8	0.95	ng/L	1		537 (modified)	Total/NA
Cyanide, Total	0.15		0.010	0.0050	mg/L	1		9012B	Total/NA

Client Sample ID: MW-5D-022221 — Lab Sample ID: 480-181441-3

No Detections.

Client Sample ID: MW-3D-022321 — Lab Sample ID: 480-181441-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	71		4.4	0.64	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	2.2		1.8	0.73	ng/L	1		537 (modified)	Total/NA
Cyanide, Total	0.013		0.010	0.0050	mg/L	1		9012B	Total/NA

Client Sample ID: MW-3S-022321 — Lab Sample ID: 480-181441-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	2.5	J	4.5	0.64	ng/L	1		537 (modified)	Total/NA

Client Sample ID: DUP-1-022321 — Lab Sample ID: 480-181441-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	2.5	J	4.4	0.63	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MW-1S-022221 — Lab Sample ID: 480-181441-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	33		4.5	0.64	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: New York State Electric & Gas
Job ID: 480-181441-1
Project/Site: NYSEG - Penn Yan Water St. MGP

Client Sample ID: MW-2S-022321 — Lab Sample ID: 480-181441-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	2.7	J	4.6	1.0	ng/L	1		537 (modified)	Total/NA
Cyanide, Total	0.088		0.010	0.0050	mg/L	1		9012B	Total/NA

Client Sample ID: MW-2D-022321 — Lab Sample ID: 480-181441-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	3.5	J	4.3	0.63	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MW-4S-022221 — Lab Sample ID: 480-181441-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	0.66	J	4.3	0.62	ng/L	1		537 (modified)	Total/NA
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.3	J	4.3	0.80	ng/L	1		537 (modified)	Total/NA
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.89	J	4.3	0.68	ng/L	1		537 (modified)	Total/NA
Perfluorobutanoic acid (PFBA)	9.7		4.3	0.97	ng/L	1		537 (modified)	Total/NA
Perfluorodecanesulfonic acid (PFDS)	3.4		1.7	0.41	ng/L	1		537 (modified)	Total/NA
Perfluorododecanoic acid (PFDoA)	4.5		1.7	0.39	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	1.5	J	1.7	0.71	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonamide (PFOSA)	2.2		1.7	0.49	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	3.0		1.7	0.93	ng/L	1		537 (modified)	Total/NA
Perfluorotetradecanoic acid (PFTeA)	3.4		1.7	0.51	ng/L	1		537 (modified)	Total/NA
Perfluorotridecanoic acid (PFTriA)	3.8		1.7	0.37	ng/L	1		537 (modified)	Total/NA
Perfluoroundecanoic acid (PFUnA)	1.8		1.7	0.63	ng/L	1		537 (modified)	Total/NA
Cyanide, Total	0.0054	J	0.010	0.0050	mg/L	1		9012B	Total/NA

Client Sample ID: MW-6S-022221 — Lab Sample ID: 480-181441-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	4.2	J	4.3	0.62	ng/L	1		537 (modified)	Total/NA
Perfluorobutanoic acid (PFBA)	2.0	J	4.3	0.98	ng/L	1		537 (modified)	Total/NA

Client Sample ID: TMW-2D-022421 — Lab Sample ID: 480-181441-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	1.6	J	4.2	0.61	ng/L	1		537 (modified)	Total/NA

Client Sample ID: EQUIP BLANK — Lab Sample ID: 480-181441-13

No Detections.

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-181441-14

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: New York State Electric & Gas
Job ID: 480-181441-1
Project/Site: NYSEG - Penn Yan Water St. MGP

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL BUR
9012B	Cyanide, Total andor Amenable	SW846	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
3535	Solid-Phase Extraction (SPE)	SW846	TAL BUR
5030C	Purge and Trap	SW846	TAL BUF
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

TAL BUR = Eurofins TestAmerica, Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Client Sample ID: MW-6D-022221
Lab Sample ID: 480-181441-1

Date Collected: 02/22/21 11:20
Matrix: Water

Date Received: 02/25/21 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			02/27/21 13:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/27/21 13:06	1
Toluene	ND		1.0	0.51	ug/L			02/27/21 13:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/27/21 13:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*02/27/21 13:06*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*02/27/21 13:06*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*02/27/21 13:06*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*02/27/21 13:06*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.4	0.45	ug/L		02/26/21 09:50	03/01/21 19:14	1
Acenaphthylene	ND		5.4	0.41	ug/L		02/26/21 09:50	03/01/21 19:14	1
Anthracene	ND		5.4	0.30	ug/L		02/26/21 09:50	03/01/21 19:14	1
Benzo[a]anthracene	ND		5.4	0.39	ug/L		02/26/21 09:50	03/01/21 19:14	1
Benzo[a]pyrene	ND		5.4	0.51	ug/L		02/26/21 09:50	03/01/21 19:14	1
Benzo[b]fluoranthene	ND		5.4	0.37	ug/L		02/26/21 09:50	03/01/21 19:14	1
Benzo[g,h,i]perylene	ND		5.4	0.38	ug/L		02/26/21 09:50	03/01/21 19:14	1
Benzo[k]fluoranthene	ND		5.4	0.79	ug/L		02/26/21 09:50	03/01/21 19:14	1
Chrysene	ND		5.4	0.36	ug/L		02/26/21 09:50	03/01/21 19:14	1
Dibenz(a,h)anthracene	ND		5.4	0.46	ug/L		02/26/21 09:50	03/01/21 19:14	1
Fluoranthene	ND		5.4	0.43	ug/L		02/26/21 09:50	03/01/21 19:14	1
Fluorene	ND		5.4	0.39	ug/L		02/26/21 09:50	03/01/21 19:14	1
Indeno[1,2,3-cd]pyrene	ND		5.4	0.51	ug/L		02/26/21 09:50	03/01/21 19:14	1
Naphthalene	ND		5.4	0.83	ug/L		02/26/21 09:50	03/01/21 19:14	1
Phenanthrene	ND		5.4	0.48	ug/L		02/26/21 09:50	03/01/21 19:14	1
Pyrene	ND		5.4	0.37	ug/L		02/26/21 09:50	03/01/21 19:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*102*		*48 - 120*	*02/26/21 09:50*	*03/01/21 19:14*	*1*
Nitrobenzene-d5 (Surr)	*100*		*46 - 120*	*02/26/21 09:50*	*03/01/21 19:14*	*1*
p-Terphenyl-d14 (Surr)	*103*		*60 - 148*	*02/26/21 09:50*	*03/01/21 19:14*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.8	0.59	ng/L		03/03/21 08:24	03/03/21 20:04	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.5	0.64	ng/L		03/03/21 08:24	03/03/21 20:04	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.5	0.83	ng/L		03/03/21 08:24	03/03/21 20:04	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.5	0.71	ng/L		03/03/21 08:24	03/03/21 20:04	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8	0.56	ng/L		03/03/21 08:24	03/03/21 20:04	1
Perfluorobutanoic acid (PFBA)	ND		4.5	1.0	ng/L		03/03/21 08:24	03/03/21 20:04	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.43	ng/L		03/03/21 08:24	03/03/21 20:04	1
Perfluorodecanoic acid (PFDA)	ND		1.8	0.41	ng/L		03/03/21 08:24	03/03/21 20:04	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.41	ng/L		03/03/21 08:24	03/03/21 20:04	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8	0.35	ng/L		03/03/21 08:24	03/03/21 20:04	1

Client Sample ID: MW-6D-022221
Lab Sample ID: 480-181441-1

Date Collected: 02/22/21 11:20
Matrix: Water
Date Received: 02/25/21 11:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanoic acid (PFHpA)	ND		1.8	0.41	ng/L		03/03/21 08:24	03/03/21 20:04	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.60	ng/L		03/03/21 08:24	03/03/21 20:04	1
Perfluorohexanoic acid (PFHxA)	ND		1.8	0.74	ng/L		03/03/21 08:24	03/03/21 20:04	1
Perfluorononanoic acid (PFNA)	ND		1.8	0.52	ng/L		03/03/21 08:24	03/03/21 20:04	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.51	ng/L		03/03/21 08:24	03/03/21 20:04	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8	0.78	ng/L		03/03/21 08:24	03/03/21 20:04	1
Perfluorooctanoic acid (PFOA)	ND		1.8	0.88	ng/L		03/03/21 08:24	03/03/21 20:04	1
Perfluoropentanoic acid (PFPeA)	ND		1.8	0.97	ng/L		03/03/21 08:24	03/03/21 20:04	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8	0.53	ng/L		03/03/21 08:24	03/03/21 20:04	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8	0.38	ng/L		03/03/21 08:24	03/03/21 20:04	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.65	ng/L		03/03/21 08:24	03/03/21 20:04	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFDA	*81*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:04*	*1*
13C2 PFDoA	*57*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:04*	*1*
13C2 PFHxA	*108*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:04*	*1*
13C2 PFTeDA	*62*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:04*	*1*
13C2 PFUnA	*62*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:04*	*1*
13C3 PFBS	*102*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:04*	*1*
13C4 PFBA	*89*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:04*	*1*
13C4 PFHpA	*108*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:04*	*1*
13C4 PFOA	*106*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:04*	*1*
13C4 PFOS	*105*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:04*	*1*
13C5 PFNA	*102*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:04*	*1*
13C5 PFPeA	*106*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:04*	*1*
13C8 FOSA	*98*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:04*	*1*
18O2 PFHxS	*104*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:04*	*1*
d3-NMeFOSAA	*66*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:04*	*1*
d5-NEtFOSAA	*63*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:04*	*1*
M2-6:2 FTS	*105*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:04*	*1*
M2-8:2 FTS	*80*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:04*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		03/02/21 21:41	03/03/21 19:13	1

Client Sample ID: MW5S-022221
Lab Sample ID: 480-181441-2

Date Collected: 02/22/21 11:50
Matrix: Water
Date Received: 02/25/21 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**42**		1.0	0.41	ug/L			02/27/21 13:31	1
Ethylbenzene	**2.7**		1.0	0.74	ug/L			02/27/21 13:31	1
Toluene	**1.1**		1.0	0.51	ug/L			02/27/21 13:31	1
Xylenes, Total	**6.5**		2.0	0.66	ug/L			02/27/21 13:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*02/27/21 13:31*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*02/27/21 13:31*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*02/27/21 13:31*	*1*

Client Sample ID: MW5S-022221
Date Collected: 02/22/21 11:50
Date Received: 02/25/21 11:00

Lab Sample ID: 480-181441-2
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*98*		*80 - 120*		*02/27/21 13:31*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**31**		5.4	0.45	ug/L		02/26/21 09:50	03/01/21 19:44	1
Acenaphthylene	**5.6**		5.4	0.41	ug/L		02/26/21 09:50	03/01/21 19:44	1
Anthracene	**4.7**	**J**	5.4	0.30	ug/L		02/26/21 09:50	03/01/21 19:44	1
Benzo[a]anthracene	ND		5.4	0.39	ug/L		02/26/21 09:50	03/01/21 19:44	1
Benzo[a]pyrene	ND		5.4	0.51	ug/L		02/26/21 09:50	03/01/21 19:44	1
Benzo[b]fluoranthene	ND		5.4	0.37	ug/L		02/26/21 09:50	03/01/21 19:44	1
Benzo[g,h,i]perylene	ND		5.4	0.38	ug/L		02/26/21 09:50	03/01/21 19:44	1
Benzo[k]fluoranthene	ND		5.4	0.79	ug/L		02/26/21 09:50	03/01/21 19:44	1
Chrysene	ND		5.4	0.36	ug/L		02/26/21 09:50	03/01/21 19:44	1
Dibenz(a,h)anthracene	ND		5.4	0.46	ug/L		02/26/21 09:50	03/01/21 19:44	1
Fluoranthene	**6.0**		5.4	0.43	ug/L		02/26/21 09:50	03/01/21 19:44	1
Fluorene	**11**		5.4	0.39	ug/L		02/26/21 09:50	03/01/21 19:44	1
Indeno[1,2,3-cd]pyrene	ND		5.4	0.51	ug/L		02/26/21 09:50	03/01/21 19:44	1
Naphthalene	**34**		5.4	0.83	ug/L		02/26/21 09:50	03/01/21 19:44	1
Phenanthrene	**6.0**		5.4	0.48	ug/L		02/26/21 09:50	03/01/21 19:44	1
Pyrene	**3.8**	**J**	5.4	0.37	ug/L		02/26/21 09:50	03/01/21 19:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*92*		*48 - 120*	*02/26/21 09:50*	*03/01/21 19:44*	*1*
Nitrobenzene-d5 (Surr)	*92*		*46 - 120*	*02/26/21 09:50*	*03/01/21 19:44*	*1*
p-Terphenyl-d14 (Surr)	*79*		*60 - 148*	*02/26/21 09:50*	*03/01/21 19:44*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.8	0.58	ng/L		03/03/21 08:24	03/03/21 20:12	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	**1.7**	**J**	4.4	0.63	ng/L		03/03/21 08:24	03/03/21 20:12	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.4	0.81	ng/L		03/03/21 08:24	03/03/21 20:12	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.4	0.69	ng/L		03/03/21 08:24	03/03/21 20:12	1
Perfluorobutanesulfonic acid (PFBS)	**0.55**	**J**	1.8	0.55	ng/L		03/03/21 08:24	03/03/21 20:12	1
Perfluorobutanoic acid (PFBA)	ND		4.4	0.99	ng/L		03/03/21 08:24	03/03/21 20:12	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.42	ng/L		03/03/21 08:24	03/03/21 20:12	1
Perfluorodecanoic acid (PFDA)	ND		1.8	0.40	ng/L		03/03/21 08:24	03/03/21 20:12	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.40	ng/L		03/03/21 08:24	03/03/21 20:12	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8	0.34	ng/L		03/03/21 08:24	03/03/21 20:12	1
Perfluoroheptanoic acid (PFHpA)	**0.85**	**J**	1.8	0.40	ng/L		03/03/21 08:24	03/03/21 20:12	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.59	ng/L		03/03/21 08:24	03/03/21 20:12	1
Perfluorohexanoic acid (PFHxA)	**4.5**		1.8	0.73	ng/L		03/03/21 08:24	03/03/21 20:12	1
Perfluorononanoic acid (PFNA)	ND		1.8	0.51	ng/L		03/03/21 08:24	03/03/21 20:12	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.50	ng/L		03/03/21 08:24	03/03/21 20:12	1
Perfluorooctanesulfonic acid (PFOS)	**1.0**	**J**	1.8	0.76	ng/L		03/03/21 08:24	03/03/21 20:12	1

Client Sample ID: MW5S-022221
Lab Sample ID: 480-181441-2
Date Collected: 02/22/21 11:50
Matrix: Water
Date Received: 02/25/21 11:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	**1.2**	**J**	1.8	0.86	ng/L		03/03/21 08:24	03/03/21 20:12	1
Perfluoropentanoic acid (PFPeA)	**4.4**		1.8	0.95	ng/L		03/03/21 08:24	03/03/21 20:12	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8	0.52	ng/L		03/03/21 08:24	03/03/21 20:12	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8	0.38	ng/L		03/03/21 08:24	03/03/21 20:12	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.64	ng/L		03/03/21 08:24	03/03/21 20:12	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFDA	*100*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:12*	*1*
13C2 PFDoA	*89*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:12*	*1*
13C2 PFHxA	*105*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:12*	*1*
13C2 PFTeDA	*88*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:12*	*1*
13C2 PFUnA	*84*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:12*	*1*
13C3 PFBS	*109*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:12*	*1*
13C4 PFBA	*93*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:12*	*1*
13C4 PFHpA	*107*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:12*	*1*
13C4 PFOA	*108*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:12*	*1*
13C4 PFOS	*107*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:12*	*1*
13C5 PFNA	*105*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:12*	*1*
13C5 PFPeA	*106*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:12*	*1*
13C8 FOSA	*86*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:12*	*1*
18O2 PFHxS	*111*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:12*	*1*
d3-NMeFOSAA	*88*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:12*	*1*
d5-NEtFOSAA	*85*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:12*	*1*
M2-6:2 FTS	*112*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:12*	*1*
M2-8:2 FTS	*105*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:12*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.15**		0.010	0.0050	mg/L		03/02/21 21:41	03/03/21 19:14	1

Client Sample ID: MW-5D-022221
Lab Sample ID: 480-181441-3
Date Collected: 02/22/21 10:50
Matrix: Water
Date Received: 02/25/21 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			02/27/21 13:56	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/27/21 13:56	1
Toluene	ND		1.0	0.51	ug/L			02/27/21 13:56	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/27/21 13:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*02/27/21 13:56*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*02/27/21 13:56*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*02/27/21 13:56*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*02/27/21 13:56*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.4	0.45	ug/L		02/26/21 09:50	03/03/21 13:18	1
Acenaphthylene	ND		5.4	0.41	ug/L		02/26/21 09:50	03/03/21 13:18	1

Client Sample ID: MW-5D-022221
Lab Sample ID: 480-181441-3

Date Collected: 02/22/21 10:50
Matrix: Water
Date Received: 02/25/21 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		5.4	0.30	ug/L		02/26/21 09:50	03/03/21 13:18	1
Benzo[a]anthracene	ND		5.4	0.39	ug/L		02/26/21 09:50	03/03/21 13:18	1
Benzo[a]pyrene	ND		5.4	0.51	ug/L		02/26/21 09:50	03/03/21 13:18	1
Benzo[b]fluoranthene	ND		5.4	0.37	ug/L		02/26/21 09:50	03/03/21 13:18	1
Benzo[g,h,i]perylene	ND		5.4	0.38	ug/L		02/26/21 09:50	03/03/21 13:18	1
Benzo[k]fluoranthene	ND		5.4	0.79	ug/L		02/26/21 09:50	03/03/21 13:18	1
Chrysene	ND		5.4	0.36	ug/L		02/26/21 09:50	03/03/21 13:18	1
Dibenz(a,h)anthracene	ND		5.4	0.46	ug/L		02/26/21 09:50	03/03/21 13:18	1
Fluoranthene	ND		5.4	0.43	ug/L		02/26/21 09:50	03/03/21 13:18	1
Fluorene	ND		5.4	0.39	ug/L		02/26/21 09:50	03/03/21 13:18	1
Indeno[1,2,3-cd]pyrene	ND		5.4	0.51	ug/L		02/26/21 09:50	03/03/21 13:18	1
Naphthalene	ND		5.4	0.83	ug/L		02/26/21 09:50	03/03/21 13:18	1
Phenanthrene	ND		5.4	0.48	ug/L		02/26/21 09:50	03/03/21 13:18	1
Pyrene	ND		5.4	0.37	ug/L		02/26/21 09:50	03/03/21 13:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*97*		*48 - 120*	*02/26/21 09:50*	*03/03/21 13:18*	*1*
Nitrobenzene-d5 (Surr)	*100*		*46 - 120*	*02/26/21 09:50*	*03/03/21 13:18*	*1*
p-Terphenyl-d14 (Surr)	*101*		*60 - 148*	*02/26/21 09:50*	*03/03/21 13:18*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.8	0.60	ng/L		03/03/21 08:24	03/03/21 20:21	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.5	0.65	ng/L		03/03/21 08:24	03/03/21 20:21	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.5	0.84	ng/L		03/03/21 08:24	03/03/21 20:21	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.5	0.71	ng/L		03/03/21 08:24	03/03/21 20:21	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8	0.57	ng/L		03/03/21 08:24	03/03/21 20:21	1
Perfluorobutanoic acid (PFBA)	ND		4.5	1.0	ng/L		03/03/21 08:24	03/03/21 20:21	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.43	ng/L		03/03/21 08:24	03/03/21 20:21	1
Perfluorodecanoic acid (PFDA)	ND		1.8	0.42	ng/L		03/03/21 08:24	03/03/21 20:21	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.42	ng/L		03/03/21 08:24	03/03/21 20:21	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8	0.35	ng/L		03/03/21 08:24	03/03/21 20:21	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8	0.42	ng/L		03/03/21 08:24	03/03/21 20:21	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.61	ng/L		03/03/21 08:24	03/03/21 20:21	1
Perfluorohexanoic acid (PFHxA)	ND		1.8	0.75	ng/L		03/03/21 08:24	03/03/21 20:21	1
Perfluorononanoic acid (PFNA)	ND		1.8	0.52	ng/L		03/03/21 08:24	03/03/21 20:21	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.52	ng/L		03/03/21 08:24	03/03/21 20:21	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8	0.79	ng/L		03/03/21 08:24	03/03/21 20:21	1
Perfluorooctanoic acid (PFOA)	ND		1.8	0.89	ng/L		03/03/21 08:24	03/03/21 20:21	1
Perfluoropentanoic acid (PFPeA)	ND		1.8	0.98	ng/L		03/03/21 08:24	03/03/21 20:21	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8	0.53	ng/L		03/03/21 08:24	03/03/21 20:21	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8	0.39	ng/L		03/03/21 08:24	03/03/21 20:21	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.66	ng/L		03/03/21 08:24	03/03/21 20:21	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFDA	*78*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:21*	*1*
13C2 PFDoA	*60*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:21*	*1*

Client Sample ID: MW-5D-022221
Lab Sample ID: 480-181441-3

Date Collected: 02/22/21 10:50
Matrix: Water
Date Received: 02/25/21 11:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFHxA	*110*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:21*	*1*
13C2 PFTeDA	*63*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:21*	*1*
13C2 PFUnA	*65*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:21*	*1*
13C3 PFBS	*106*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:21*	*1*
13C4 PFBA	*89*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:21*	*1*
13C4 PFHpA	*107*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:21*	*1*
13C4 PFOA	*104*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:21*	*1*
13C4 PFOS	*86*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:21*	*1*
13C5 PFNA	*94*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:21*	*1*
13C5 PFPeA	*105*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:21*	*1*
13C8 FOSA	*91*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:21*	*1*
18O2 PFHxS	*104*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:21*	*1*
d3-NMeFOSAA	*63*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:21*	*1*
d5-NEtFOSAA	*69*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:21*	*1*
M2-6:2 FTS	*106*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:21*	*1*
M2-8:2 FTS	*81*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:21*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		03/02/21 21:41	03/03/21 19:16	1

Client Sample ID: MW-3D-022321
Lab Sample ID: 480-181441-4

Date Collected: 02/23/21 14:55
Matrix: Water
Date Received: 02/25/21 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			02/27/21 14:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/27/21 14:21	1
Toluene	ND		1.0	0.51	ug/L			02/27/21 14:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/27/21 14:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*02/27/21 14:21*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*02/27/21 14:21*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*02/27/21 14:21*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*02/27/21 14:21*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		6.3	0.51	ug/L		02/26/21 09:50	03/03/21 13:48	1
Acenaphthylene	ND		6.3	0.48	ug/L		02/26/21 09:50	03/03/21 13:48	1
Anthracene	ND		6.3	0.35	ug/L		02/26/21 09:50	03/03/21 13:48	1
Benzo[a]anthracene	ND		6.3	0.45	ug/L		02/26/21 09:50	03/03/21 13:48	1
Benzo[a]pyrene	ND		6.3	0.59	ug/L		02/26/21 09:50	03/03/21 13:48	1
Benzo[b]fluoranthene	ND		6.3	0.43	ug/L		02/26/21 09:50	03/03/21 13:48	1
Benzo[g,h,i]perylene	ND		6.3	0.44	ug/L		02/26/21 09:50	03/03/21 13:48	1
Benzo[k]fluoranthene	ND		6.3	0.91	ug/L		02/26/21 09:50	03/03/21 13:48	1
Chrysene	ND		6.3	0.41	ug/L		02/26/21 09:50	03/03/21 13:48	1
Dibenz(a,h)anthracene	ND		6.3	0.53	ug/L		02/26/21 09:50	03/03/21 13:48	1
Fluoranthene	ND		6.3	0.50	ug/L		02/26/21 09:50	03/03/21 13:48	1

Client Sample ID: MW-3D-022321
Lab Sample ID: 480-181441-4

Date Collected: 02/23/21 14:55
Matrix: Water
Date Received: 02/25/21 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		6.3	0.45	ug/L		02/26/21 09:50	03/03/21 13:48	1
Indeno[1,2,3-cd]pyrene	ND		6.3	0.59	ug/L		02/26/21 09:50	03/03/21 13:48	1
Naphthalene	ND		6.3	0.95	ug/L		02/26/21 09:50	03/03/21 13:48	1
Phenanthrene	ND		6.3	0.55	ug/L		02/26/21 09:50	03/03/21 13:48	1
Pyrene	ND		6.3	0.43	ug/L		02/26/21 09:50	03/03/21 13:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*98*		*48 - 120*	*02/26/21 09:50*	*03/03/21 13:48*	*1*
Nitrobenzene-d5 (Surr)	*99*		*46 - 120*	*02/26/21 09:50*	*03/03/21 13:48*	*1*
p-Terphenyl-d14 (Surr)	*100*		*60 - 148*	*02/26/21 09:50*	*03/03/21 13:48*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.8	0.58	ng/L		03/03/21 08:24	03/03/21 20:29	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	**71**		4.4	0.64	ng/L		03/03/21 08:24	03/03/21 20:29	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.4	0.82	ng/L		03/03/21 08:24	03/03/21 20:29	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.4	0.70	ng/L		03/03/21 08:24	03/03/21 20:29	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8	0.56	ng/L		03/03/21 08:24	03/03/21 20:29	1
Perfluorobutanoic acid (PFBA)	ND		4.4	1.0	ng/L		03/03/21 08:24	03/03/21 20:29	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.42	ng/L		03/03/21 08:24	03/03/21 20:29	1
Perfluorodecanoic acid (PFDA)	ND		1.8	0.41	ng/L		03/03/21 08:24	03/03/21 20:29	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.41	ng/L		03/03/21 08:24	03/03/21 20:29	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8	0.35	ng/L		03/03/21 08:24	03/03/21 20:29	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8	0.41	ng/L		03/03/21 08:24	03/03/21 20:29	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.59	ng/L		03/03/21 08:24	03/03/21 20:29	1
Perfluorohexanoic acid (PFHxA)	**2.2**		1.8	0.73	ng/L		03/03/21 08:24	03/03/21 20:29	1
Perfluorononanoic acid (PFNA)	ND		1.8	0.51	ng/L		03/03/21 08:24	03/03/21 20:29	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.50	ng/L		03/03/21 08:24	03/03/21 20:29	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8	0.77	ng/L		03/03/21 08:24	03/03/21 20:29	1
Perfluorooctanoic acid (PFOA)	ND		1.8	0.87	ng/L		03/03/21 08:24	03/03/21 20:29	1
Perfluoropentanoic acid (PFPeA)	ND		1.8	0.96	ng/L		03/03/21 08:24	03/03/21 20:29	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8	0.52	ng/L		03/03/21 08:24	03/03/21 20:29	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8	0.38	ng/L		03/03/21 08:24	03/03/21 20:29	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.65	ng/L		03/03/21 08:24	03/03/21 20:29	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFDA	*101*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:29*	*1*
13C2 PFDoA	*87*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:29*	*1*
13C2 PFHxA	*111*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:29*	*1*
13C2 PFTeDA	*92*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:29*	*1*
13C2 PFUnA	*96*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:29*	*1*
13C3 PFBS	*106*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:29*	*1*
13C4 PFBA	*85*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:29*	*1*
13C4 PFHpA	*110*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:29*	*1*
13C4 PFOA	*113*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:29*	*1*
13C4 PFOS	*104*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:29*	*1*
13C5 PFNA	*107*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:29*	*1*

Client Sample ID: MW-3D-022321
Lab Sample ID: 480-181441-4

Date Collected: 02/23/21 14:55
Matrix: Water
Date Received: 02/25/21 11:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C5 PFPeA	*112*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:29*	*1*
13C8 FOSA	*93*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:29*	*1*
18O2 PFHxS	*110*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:29*	*1*
d3-NMeFOSAA	*90*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:29*	*1*
d5-NEtFOSAA	*84*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:29*	*1*
M2-6:2 FTS	*108*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:29*	*1*
M2-8:2 FTS	*111*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:29*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.013**		0.010	0.0050	mg/L		03/02/21 21:41	03/03/21 19:17	1

Client Sample ID: MW-3S-022321
Lab Sample ID: 480-181441-5

Date Collected: 02/23/21 13:55
Matrix: Water
Date Received: 02/25/21 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			02/27/21 14:46	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/27/21 14:46	1
Toluene	ND		1.0	0.51	ug/L			02/27/21 14:46	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/27/21 14:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*02/27/21 14:46*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*02/27/21 14:46*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*02/27/21 14:46*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*02/27/21 14:46*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.4	0.45	ug/L		02/26/21 09:50	03/03/21 14:18	1
Acenaphthylene	ND		5.4	0.41	ug/L		02/26/21 09:50	03/03/21 14:18	1
Anthracene	ND		5.4	0.30	ug/L		02/26/21 09:50	03/03/21 14:18	1
Benzo[a]anthracene	ND		5.4	0.39	ug/L		02/26/21 09:50	03/03/21 14:18	1
Benzo[a]pyrene	ND		5.4	0.51	ug/L		02/26/21 09:50	03/03/21 14:18	1
Benzo[b]fluoranthene	ND		5.4	0.37	ug/L		02/26/21 09:50	03/03/21 14:18	1
Benzo[g,h,i]perylene	ND		5.4	0.38	ug/L		02/26/21 09:50	03/03/21 14:18	1
Benzo[k]fluoranthene	ND		5.4	0.79	ug/L		02/26/21 09:50	03/03/21 14:18	1
Chrysene	ND		5.4	0.36	ug/L		02/26/21 09:50	03/03/21 14:18	1
Dibenz(a,h)anthracene	ND		5.4	0.46	ug/L		02/26/21 09:50	03/03/21 14:18	1
Fluoranthene	ND		5.4	0.43	ug/L		02/26/21 09:50	03/03/21 14:18	1
Fluorene	ND		5.4	0.39	ug/L		02/26/21 09:50	03/03/21 14:18	1
Indeno[1,2,3-cd]pyrene	ND		5.4	0.51	ug/L		02/26/21 09:50	03/03/21 14:18	1
Naphthalene	ND		5.4	0.83	ug/L		02/26/21 09:50	03/03/21 14:18	1
Phenanthrene	ND		5.4	0.48	ug/L		02/26/21 09:50	03/03/21 14:18	1
Pyrene	ND		5.4	0.37	ug/L		02/26/21 09:50	03/03/21 14:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*103*		*48 - 120*	*02/26/21 09:50*	*03/03/21 14:18*	*1*
Nitrobenzene-d5 (Surr)	*104*		*46 - 120*	*02/26/21 09:50*	*03/03/21 14:18*	*1*

Client Sample ID: MW-3S-022321
Lab Sample ID: 480-181441-5

Date Collected: 02/23/21 13:55
Matrix: Water
Date Received: 02/25/21 11:00

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl-d14 (Surr)	*102*		*60 - 148*	*02/26/21 09:50*	*03/03/21 14:18*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.8	0.59	ng/L		03/03/21 08:24	03/03/21 20:37	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	**2.5**	**J**	4.5	0.64	ng/L		03/03/21 08:24	03/03/21 20:37	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.5	0.83	ng/L		03/03/21 08:24	03/03/21 20:37	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.5	0.71	ng/L		03/03/21 08:24	03/03/21 20:37	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8	0.56	ng/L		03/03/21 08:24	03/03/21 20:37	1
Perfluorobutanoic acid (PFBA)	ND		4.5	1.0	ng/L		03/03/21 08:24	03/03/21 20:37	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.43	ng/L		03/03/21 08:24	03/03/21 20:37	1
Perfluorodecanoic acid (PFDA)	ND		1.8	0.41	ng/L		03/03/21 08:24	03/03/21 20:37	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.41	ng/L		03/03/21 08:24	03/03/21 20:37	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8	0.35	ng/L		03/03/21 08:24	03/03/21 20:37	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8	0.41	ng/L		03/03/21 08:24	03/03/21 20:37	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.60	ng/L		03/03/21 08:24	03/03/21 20:37	1
Perfluorohexanoic acid (PFHxA)	ND		1.8	0.74	ng/L		03/03/21 08:24	03/03/21 20:37	1
Perfluorononanoic acid (PFNA)	ND		1.8	0.52	ng/L		03/03/21 08:24	03/03/21 20:37	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.51	ng/L		03/03/21 08:24	03/03/21 20:37	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8	0.78	ng/L		03/03/21 08:24	03/03/21 20:37	1
Perfluorooctanoic acid (PFOA)	ND		1.8	0.87	ng/L		03/03/21 08:24	03/03/21 20:37	1
Perfluoropentanoic acid (PFPeA)	ND		1.8	0.96	ng/L		03/03/21 08:24	03/03/21 20:37	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8	0.53	ng/L		03/03/21 08:24	03/03/21 20:37	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8	0.38	ng/L		03/03/21 08:24	03/03/21 20:37	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.65	ng/L		03/03/21 08:24	03/03/21 20:37	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	*89*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:37*	*1*
13C2 PFDoA	*75*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:37*	*1*
13C2 PFHxA	*107*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:37*	*1*
13C2 PFTeDA	*77*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:37*	*1*
13C2 PFUnA	*77*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:37*	*1*
13C3 PFBS	*100*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:37*	*1*
13C4 PFBA	*91*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:37*	*1*
13C4 PFHpA	*108*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:37*	*1*
13C4 PFOA	*106*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:37*	*1*
13C4 PFOS	*96*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:37*	*1*
13C5 PFNA	*99*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:37*	*1*
13C5 PFPeA	*106*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:37*	*1*
13C8 FOSA	*88*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:37*	*1*
18O2 PFHxS	*107*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:37*	*1*
d3-NMeFOSAA	*74*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:37*	*1*
d5-NEtFOSAA	*73*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:37*	*1*
M2-6:2 FTS	*104*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:37*	*1*
M2-8:2 FTS	*93*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:37*	*1*

Client Sample ID: MW-3S-022321
Lab Sample ID: 480-181441-5
Date Collected: 02/23/21 13:55
Matrix: Water
Date Received: 02/25/21 11:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		03/02/21 21:41	03/03/21 19:19	1

Client Sample ID: DUP-1-022321
Lab Sample ID: 480-181441-6
Date Collected: 02/23/21 14:00
Matrix: Water
Date Received: 02/25/21 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			02/27/21 15:10	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/27/21 15:10	1
Toluene	ND		1.0	0.51	ug/L			02/27/21 15:10	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/27/21 15:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*02/27/21 15:10*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*02/27/21 15:10*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*02/27/21 15:10*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*02/27/21 15:10*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.4	0.45	ug/L		02/26/21 09:50	03/03/21 14:47	1
Acenaphthylene	ND		5.4	0.41	ug/L		02/26/21 09:50	03/03/21 14:47	1
Anthracene	ND		5.4	0.30	ug/L		02/26/21 09:50	03/03/21 14:47	1
Benzo[a]anthracene	ND		5.4	0.39	ug/L		02/26/21 09:50	03/03/21 14:47	1
Benzo[a]pyrene	ND		5.4	0.51	ug/L		02/26/21 09:50	03/03/21 14:47	1
Benzo[b]fluoranthene	ND		5.4	0.37	ug/L		02/26/21 09:50	03/03/21 14:47	1
Benzo[g,h,i]perylene	ND		5.4	0.38	ug/L		02/26/21 09:50	03/03/21 14:47	1
Benzo[k]fluoranthene	ND		5.4	0.79	ug/L		02/26/21 09:50	03/03/21 14:47	1
Chrysene	ND		5.4	0.36	ug/L		02/26/21 09:50	03/03/21 14:47	1
Dibenz(a,h)anthracene	ND		5.4	0.46	ug/L		02/26/21 09:50	03/03/21 14:47	1
Fluoranthene	ND		5.4	0.43	ug/L		02/26/21 09:50	03/03/21 14:47	1
Fluorene	ND		5.4	0.39	ug/L		02/26/21 09:50	03/03/21 14:47	1
Indeno[1,2,3-cd]pyrene	ND		5.4	0.51	ug/L		02/26/21 09:50	03/03/21 14:47	1
Naphthalene	ND		5.4	0.83	ug/L		02/26/21 09:50	03/03/21 14:47	1
Phenanthrene	ND		5.4	0.48	ug/L		02/26/21 09:50	03/03/21 14:47	1
Pyrene	ND		5.4	0.37	ug/L		02/26/21 09:50	03/03/21 14:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*101*		*48 - 120*	*02/26/21 09:50*	*03/03/21 14:47*	*1*
Nitrobenzene-d5 (Surr)	*106*		*46 - 120*	*02/26/21 09:50*	*03/03/21 14:47*	*1*
p-Terphenyl-d14 (Surr)	*98*		*60 - 148*	*02/26/21 09:50*	*03/03/21 14:47*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.7	0.58	ng/L		03/03/21 08:24	03/03/21 20:54	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	**2.5**	**J**	4.4	0.63	ng/L		03/03/21 08:24	03/03/21 20:54	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.4	0.81	ng/L		03/03/21 08:24	03/03/21 20:54	1

Client Sample ID: DUP-1-022321
Lab Sample ID: 480-181441-6

Date Collected: 02/23/21 14:00
Matrix: Water
Date Received: 02/25/21 11:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.4	0.69	ng/L		03/03/21 08:24	03/03/21 20:54	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.7	0.55	ng/L		03/03/21 08:24	03/03/21 20:54	1
Perfluorobutanoic acid (PFBA)	ND		4.4	0.99	ng/L		03/03/21 08:24	03/03/21 20:54	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.42	ng/L		03/03/21 08:24	03/03/21 20:54	1
Perfluorodecanoic acid (PFDA)	ND		1.7	0.40	ng/L		03/03/21 08:24	03/03/21 20:54	1
Perfluorododecanoic acid (PFDoA)	ND		1.7	0.40	ng/L		03/03/21 08:24	03/03/21 20:54	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.7	0.34	ng/L		03/03/21 08:24	03/03/21 20:54	1
Perfluoroheptanoic acid (PFHpA)	ND		1.7	0.40	ng/L		03/03/21 08:24	03/03/21 20:54	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.7	0.58	ng/L		03/03/21 08:24	03/03/21 20:54	1
Perfluorohexanoic acid (PFHxA)	ND		1.7	0.72	ng/L		03/03/21 08:24	03/03/21 20:54	1
Perfluorononanoic acid (PFNA)	ND		1.7	0.51	ng/L		03/03/21 08:24	03/03/21 20:54	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.7	0.50	ng/L		03/03/21 08:24	03/03/21 20:54	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.7	0.76	ng/L		03/03/21 08:24	03/03/21 20:54	1
Perfluorooctanoic acid (PFOA)	ND		1.7	0.85	ng/L		03/03/21 08:24	03/03/21 20:54	1
Perfluoropentanoic acid (PFPeA)	ND		1.7	0.94	ng/L		03/03/21 08:24	03/03/21 20:54	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.7	0.51	ng/L		03/03/21 08:24	03/03/21 20:54	1
Perfluorotridecanoic acid (PFTriA)	ND		1.7	0.38	ng/L		03/03/21 08:24	03/03/21 20:54	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.64	ng/L		03/03/21 08:24	03/03/21 20:54	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFDA	*86*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:54*	*1*
13C2 PFDoA	*69*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:54*	*1*
13C2 PFHxA	*109*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:54*	*1*
13C2 PFTeDA	*78*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:54*	*1*
13C2 PFUnA	*74*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:54*	*1*
13C3 PFBS	*105*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:54*	*1*
13C4 PFBA	*95*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:54*	*1*
13C4 PFHpA	*108*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:54*	*1*
13C4 PFOA	*104*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:54*	*1*
13C4 PFOS	*97*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:54*	*1*
13C5 PFNA	*100*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:54*	*1*
13C5 PFPeA	*107*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:54*	*1*
13C8 FOSA	*90*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:54*	*1*
18O2 PFHxS	*104*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:54*	*1*
d3-NMeFOSAA	*72*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:54*	*1*
d5-NEtFOSAA	*73*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:54*	*1*
M2-6:2 FTS	*98*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:54*	*1*
M2-8:2 FTS	*88*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:54*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		03/02/21 21:41	03/03/21 19:23	1

Client Sample ID: MW-1S-022221
Date Collected: 02/22/21 12:45
Date Received: 02/25/21 11:00

Lab Sample ID: 480-181441-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			02/27/21 15:35	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/27/21 15:35	1
Toluene	ND		1.0	0.51	ug/L			02/27/21 15:35	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/27/21 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*02/27/21 15:35*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*02/27/21 15:35*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*02/27/21 15:35*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*02/27/21 15:35*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		02/26/21 09:50	03/03/21 15:17	1
Acenaphthylene	ND		5.0	0.38	ug/L		02/26/21 09:50	03/03/21 15:17	1
Anthracene	ND		5.0	0.28	ug/L		02/26/21 09:50	03/03/21 15:17	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		02/26/21 09:50	03/03/21 15:17	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		02/26/21 09:50	03/03/21 15:17	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		02/26/21 09:50	03/03/21 15:17	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		02/26/21 09:50	03/03/21 15:17	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		02/26/21 09:50	03/03/21 15:17	1
Chrysene	ND		5.0	0.33	ug/L		02/26/21 09:50	03/03/21 15:17	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		02/26/21 09:50	03/03/21 15:17	1
Fluoranthene	ND		5.0	0.40	ug/L		02/26/21 09:50	03/03/21 15:17	1
Fluorene	ND		5.0	0.36	ug/L		02/26/21 09:50	03/03/21 15:17	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		02/26/21 09:50	03/03/21 15:17	1
Naphthalene	ND		5.0	0.76	ug/L		02/26/21 09:50	03/03/21 15:17	1
Phenanthrene	ND		5.0	0.44	ug/L		02/26/21 09:50	03/03/21 15:17	1
Pyrene	ND		5.0	0.34	ug/L		02/26/21 09:50	03/03/21 15:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*103*		*48 - 120*	*02/26/21 09:50*	*03/03/21 15:17*	*1*
Nitrobenzene-d5 (Surr)	*102*		*46 - 120*	*02/26/21 09:50*	*03/03/21 15:17*	*1*
p-Terphenyl-d14 (Surr)	*96*		*60 - 148*	*02/26/21 09:50*	*03/03/21 15:17*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.8	0.59	ng/L		03/03/21 08:24	03/03/21 21:02	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	**33**		4.5	0.64	ng/L		03/03/21 08:24	03/03/21 21:02	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.5	0.83	ng/L		03/03/21 08:24	03/03/21 21:02	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.5	0.70	ng/L		03/03/21 08:24	03/03/21 21:02	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8	0.56	ng/L		03/03/21 08:24	03/03/21 21:02	1
Perfluorobutanoic acid (PFBA)	ND		4.5	1.0	ng/L		03/03/21 08:24	03/03/21 21:02	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.43	ng/L		03/03/21 08:24	03/03/21 21:02	1
Perfluorodecanoic acid (PFDA)	ND		1.8	0.41	ng/L		03/03/21 08:24	03/03/21 21:02	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.41	ng/L		03/03/21 08:24	03/03/21 21:02	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8	0.35	ng/L		03/03/21 08:24	03/03/21 21:02	1

Client Sample ID: MW-1S-022221
Lab Sample ID: 480-181441-7

Date Collected: 02/22/21 12:45
Matrix: Water
Date Received: 02/25/21 11:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanoic acid (PFHpA)	ND		1.8	0.41	ng/L		03/03/21 08:24	03/03/21 21:02	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.60	ng/L		03/03/21 08:24	03/03/21 21:02	1
Perfluorohexanoic acid (PFHxA)	ND		1.8	0.74	ng/L		03/03/21 08:24	03/03/21 21:02	1
Perfluorononanoic acid (PFNA)	ND		1.8	0.52	ng/L		03/03/21 08:24	03/03/21 21:02	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.51	ng/L		03/03/21 08:24	03/03/21 21:02	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8	0.78	ng/L		03/03/21 08:24	03/03/21 21:02	1
Perfluorooctanoic acid (PFOA)	ND		1.8	0.87	ng/L		03/03/21 08:24	03/03/21 21:02	1
Perfluoropentanoic acid (PFPeA)	ND		1.8	0.96	ng/L		03/03/21 08:24	03/03/21 21:02	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8	0.53	ng/L		03/03/21 08:24	03/03/21 21:02	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8	0.38	ng/L		03/03/21 08:24	03/03/21 21:02	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.65	ng/L		03/03/21 08:24	03/03/21 21:02	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFDA	*93*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:02*	*1*
13C2 PFDoA	*82*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:02*	*1*
13C2 PFHxA	*110*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:02*	*1*
13C2 PFTeDA	*79*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:02*	*1*
13C2 PFUnA	*83*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:02*	*1*
13C3 PFBS	*110*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:02*	*1*
13C4 PFBA	*88*		*25 - 150*	*03/03/21 08:24*	*03/03/21 21:02*	*1*
13C4 PFHpA	*110*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:02*	*1*
13C4 PFOA	*105*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:02*	*1*
13C4 PFOS	*107*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:02*	*1*
13C5 PFNA	*98*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:02*	*1*
13C5 PFPeA	*109*		*25 - 150*	*03/03/21 08:24*	*03/03/21 21:02*	*1*
13C8 FOSA	*93*		*25 - 150*	*03/03/21 08:24*	*03/03/21 21:02*	*1*
18O2 PFHxS	*108*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:02*	*1*
d3-NMeFOSAA	*78*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:02*	*1*
d5-NEtFOSAA	*79*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:02*	*1*
M2-6:2 FTS	*109*		*25 - 150*	*03/03/21 08:24*	*03/03/21 21:02*	*1*
M2-8:2 FTS	*98*		*25 - 150*	*03/03/21 08:24*	*03/03/21 21:02*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		03/02/21 21:51	03/03/21 19:55	1

Client Sample ID: MW-2S-022321
Lab Sample ID: 480-181441-8

Date Collected: 02/23/21 15:20
Matrix: Water
Date Received: 02/25/21 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	F2	1.0	0.41	ug/L			02/27/21 16:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/27/21 16:01	1
Toluene	ND		1.0	0.51	ug/L			02/27/21 16:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/27/21 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*02/27/21 16:01*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*02/27/21 16:01*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*02/27/21 16:01*	*1*

Client Sample ID: MW-2S-022321
Lab Sample ID: 480-181441-8

Date Collected: 02/23/21 15:20
Matrix: Water
Date Received: 02/25/21 11:00

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*100*		*80 - 120*		*02/27/21 16:01*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.4	0.45	ug/L		02/26/21 09:50	03/01/21 16:16	1
Acenaphthylene	ND		5.4	0.41	ug/L		02/26/21 09:50	03/01/21 16:16	1
Anthracene	ND		5.4	0.30	ug/L		02/26/21 09:50	03/01/21 16:16	1
Benzo[a]anthracene	ND		5.4	0.39	ug/L		02/26/21 09:50	03/01/21 16:16	1
Benzo[a]pyrene	ND		5.4	0.51	ug/L		02/26/21 09:50	03/01/21 16:16	1
Benzo[b]fluoranthene	ND		5.4	0.37	ug/L		02/26/21 09:50	03/01/21 16:16	1
Benzo[g,h,i]perylene	ND		5.4	0.38	ug/L		02/26/21 09:50	03/01/21 16:16	1
Benzo[k]fluoranthene	ND		5.4	0.79	ug/L		02/26/21 09:50	03/01/21 16:16	1
Chrysene	ND		5.4	0.36	ug/L		02/26/21 09:50	03/01/21 16:16	1
Dibenz(a,h)anthracene	ND		5.4	0.46	ug/L		02/26/21 09:50	03/01/21 16:16	1
Fluoranthene	ND		5.4	0.43	ug/L		02/26/21 09:50	03/01/21 16:16	1
Fluorene	ND		5.4	0.39	ug/L		02/26/21 09:50	03/01/21 16:16	1
Indeno[1,2,3-cd]pyrene	ND		5.4	0.51	ug/L		02/26/21 09:50	03/01/21 16:16	1
Naphthalene	ND		5.4	0.83	ug/L		02/26/21 09:50	03/01/21 16:16	1
Phenanthrene	ND		5.4	0.48	ug/L		02/26/21 09:50	03/01/21 16:16	1
Pyrene	ND		5.4	0.37	ug/L		02/26/21 09:50	03/01/21 16:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*101*		*48 - 120*	*02/26/21 09:50*	*03/01/21 16:16*	*1*
Nitrobenzene-d5 (Surr)	*98*		*46 - 120*	*02/26/21 09:50*	*03/01/21 16:16*	*1*
p-Terphenyl-d14 (Surr)	*88*		*60 - 148*	*02/26/21 09:50*	*03/01/21 16:16*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.8	0.60	ng/L		03/03/21 08:24	03/03/21 21:10	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.6	0.66	ng/L		03/03/21 08:24	03/03/21 21:10	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.6	0.85	ng/L		03/03/21 08:24	03/03/21 21:10	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.6	0.72	ng/L		03/03/21 08:24	03/03/21 21:10	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8	0.58	ng/L		03/03/21 08:24	03/03/21 21:10	1
Perfluorobutanoic acid (PFBA)	**2.7**	**J**	4.6	1.0	ng/L		03/03/21 08:24	03/03/21 21:10	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.44	ng/L		03/03/21 08:24	03/03/21 21:10	1
Perfluorodecanoic acid (PFDA)	ND		1.8	0.42	ng/L		03/03/21 08:24	03/03/21 21:10	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.42	ng/L		03/03/21 08:24	03/03/21 21:10	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8	0.36	ng/L		03/03/21 08:24	03/03/21 21:10	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8	0.42	ng/L		03/03/21 08:24	03/03/21 21:10	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.61	ng/L		03/03/21 08:24	03/03/21 21:10	1
Perfluorohexanoic acid (PFHxA)	ND		1.8	0.76	ng/L		03/03/21 08:24	03/03/21 21:10	1
Perfluorononanoic acid (PFNA)	ND		1.8	0.53	ng/L		03/03/21 08:24	03/03/21 21:10	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.52	ng/L		03/03/21 08:24	03/03/21 21:10	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8	0.79	ng/L		03/03/21 08:24	03/03/21 21:10	1
Perfluorooctanoic acid (PFOA)	ND		1.8	0.89	ng/L		03/03/21 08:24	03/03/21 21:10	1
Perfluoropentanoic acid (PFPeA)	ND		1.8	0.99	ng/L		03/03/21 08:24	03/03/21 21:10	1

Client Sample ID: MW-2S-022321
Lab Sample ID: 480-181441-8

Date Collected: 02/23/21 15:20
Matrix: Water
Date Received: 02/25/21 11:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorotetradecanoic acid (PFTeA)	ND		1.8	0.54	ng/L		03/03/21 08:24	03/03/21 21:10	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8	0.39	ng/L		03/03/21 08:24	03/03/21 21:10	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.67	ng/L		03/03/21 08:24	03/03/21 21:10	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFDA	*96*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:10*	*1*
13C2 PFDoA	*85*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:10*	*1*
13C2 PFHxA	*105*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:10*	*1*
13C2 PFTeDA	*81*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:10*	*1*
13C2 PFUnA	*90*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:10*	*1*
13C3 PFBS	*99*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:10*	*1*
13C4 PFBA	*85*		*25 - 150*	*03/03/21 08:24*	*03/03/21 21:10*	*1*
13C4 PFHpA	*103*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:10*	*1*
13C4 PFOA	*103*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:10*	*1*
13C4 PFOS	*101*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:10*	*1*
13C5 PFNA	*100*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:10*	*1*
13C5 PFPeA	*100*		*25 - 150*	*03/03/21 08:24*	*03/03/21 21:10*	*1*
13C8 FOSA	*94*		*25 - 150*	*03/03/21 08:24*	*03/03/21 21:10*	*1*
18O2 PFHxS	*101*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:10*	*1*
d3-NMeFOSAA	*90*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:10*	*1*
d5-NEtFOSAA	*92*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:10*	*1*
M2-6:2 FTS	*106*		*25 - 150*	*03/03/21 08:24*	*03/03/21 21:10*	*1*
M2-8:2 FTS	*103*		*25 - 150*	*03/03/21 08:24*	*03/03/21 21:10*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.088**		0.010	0.0050	mg/L		03/02/21 21:51	03/03/21 19:51	1

Client Sample ID: MW-2D-022321
Lab Sample ID: 480-181441-9

Date Collected: 02/23/21 16:20
Matrix: Water
Date Received: 02/25/21 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			02/27/21 16:26	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/27/21 16:26	1
Toluene	ND		1.0	0.51	ug/L			02/27/21 16:26	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/27/21 16:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*02/27/21 16:26*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*02/27/21 16:26*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*02/27/21 16:26*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*02/27/21 16:26*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		6.0	0.49	ug/L		02/26/21 09:50	03/03/21 15:47	1
Acenaphthylene	ND		6.0	0.45	ug/L		02/26/21 09:50	03/03/21 15:47	1
Anthracene	ND		6.0	0.33	ug/L		02/26/21 09:50	03/03/21 15:47	1
Benzo[a]anthracene	ND		6.0	0.43	ug/L		02/26/21 09:50	03/03/21 15:47	1

Client Sample ID: MW-2D-022321
Lab Sample ID: 480-181441-9

Date Collected: 02/23/21 16:20
Matrix: Water
Date Received: 02/25/21 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		6.0	0.56	ug/L		02/26/21 09:50	03/03/21 15:47	1
Benzo[b]fluoranthene	ND		6.0	0.40	ug/L		02/26/21 09:50	03/03/21 15:47	1
Benzo[g,h,i]perylene	ND		6.0	0.42	ug/L		02/26/21 09:50	03/03/21 15:47	1
Benzo[k]fluoranthene	ND		6.0	0.87	ug/L		02/26/21 09:50	03/03/21 15:47	1
Chrysene	ND		6.0	0.39	ug/L		02/26/21 09:50	03/03/21 15:47	1
Dibenz(a,h)anthracene	ND		6.0	0.50	ug/L		02/26/21 09:50	03/03/21 15:47	1
Fluoranthene	ND		6.0	0.48	ug/L		02/26/21 09:50	03/03/21 15:47	1
Fluorene	ND		6.0	0.43	ug/L		02/26/21 09:50	03/03/21 15:47	1
Indeno[1,2,3-cd]pyrene	ND		6.0	0.56	ug/L		02/26/21 09:50	03/03/21 15:47	1
Naphthalene	ND		6.0	0.90	ug/L		02/26/21 09:50	03/03/21 15:47	1
Phenanthrene	ND		6.0	0.52	ug/L		02/26/21 09:50	03/03/21 15:47	1
Pyrene	ND		6.0	0.40	ug/L		02/26/21 09:50	03/03/21 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*101*		*48 - 120*	*02/26/21 09:50*	*03/03/21 15:47*	*1*
Nitrobenzene-d5 (Surr)	*105*		*46 - 120*	*02/26/21 09:50*	*03/03/21 15:47*	*1*
p-Terphenyl-d14 (Surr)	*93*		*60 - 148*	*02/26/21 09:50*	*03/03/21 15:47*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.7	0.57	ng/L		03/03/21 08:24	03/03/21 21:35	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	**3.5**	**J**	4.3	0.63	ng/L		03/03/21 08:24	03/03/21 21:35	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.3	0.81	ng/L		03/03/21 08:24	03/03/21 21:35	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.3	0.69	ng/L		03/03/21 08:24	03/03/21 21:35	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.7	0.55	ng/L		03/03/21 08:24	03/03/21 21:35	1
Perfluorobutanoic acid (PFBA)	ND		4.3	0.98	ng/L		03/03/21 08:24	03/03/21 21:35	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.42	ng/L		03/03/21 08:24	03/03/21 21:35	1
Perfluorodecanoic acid (PFDA)	ND		1.7	0.40	ng/L		03/03/21 08:24	03/03/21 21:35	1
Perfluorododecanoic acid (PFDoA)	ND		1.7	0.40	ng/L		03/03/21 08:24	03/03/21 21:35	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.7	0.34	ng/L		03/03/21 08:24	03/03/21 21:35	1
Perfluoroheptanoic acid (PFHpA)	ND		1.7	0.40	ng/L		03/03/21 08:24	03/03/21 21:35	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.7	0.58	ng/L		03/03/21 08:24	03/03/21 21:35	1
Perfluorohexanoic acid (PFHxA)	ND		1.7	0.72	ng/L		03/03/21 08:24	03/03/21 21:35	1
Perfluorononanoic acid (PFNA)	ND		1.7	0.50	ng/L		03/03/21 08:24	03/03/21 21:35	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.7	0.49	ng/L		03/03/21 08:24	03/03/21 21:35	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.7	0.76	ng/L		03/03/21 08:24	03/03/21 21:35	1
Perfluorooctanoic acid (PFOA)	ND		1.7	0.85	ng/L		03/03/21 08:24	03/03/21 21:35	1
Perfluoropentanoic acid (PFPeA)	ND		1.7	0.94	ng/L		03/03/21 08:24	03/03/21 21:35	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.7	0.51	ng/L		03/03/21 08:24	03/03/21 21:35	1
Perfluorotridecanoic acid (PFTriA)	ND		1.7	0.37	ng/L		03/03/21 08:24	03/03/21 21:35	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.63	ng/L		03/03/21 08:24	03/03/21 21:35	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFDA	*87*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:35*	*1*
13C2 PFDoA	*65*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:35*	*1*
13C2 PFHxA	*105*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:35*	*1*
13C2 PFTeDA	*68*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:35*	*1*

Client Sample ID: MW-2D-022321
Lab Sample ID: 480-181441-9

Date Collected: 02/23/21 16:20
Matrix: Water
Date Received: 02/25/21 11:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFUnA	*73*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:35*	*1*
13C3 PFBS	*101*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:35*	*1*
13C4 PFBA	*91*		*25 - 150*	*03/03/21 08:24*	*03/03/21 21:35*	*1*
13C4 PFHpA	*110*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:35*	*1*
13C4 PFOA	*104*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:35*	*1*
13C4 PFOS	*100*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:35*	*1*
13C5 PFNA	*101*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:35*	*1*
13C5 PFPeA	*101*		*25 - 150*	*03/03/21 08:24*	*03/03/21 21:35*	*1*
13C8 FOSA	*87*		*25 - 150*	*03/03/21 08:24*	*03/03/21 21:35*	*1*
18O2 PFHxS	*105*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:35*	*1*
d3-NMeFOSAA	*70*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:35*	*1*
d5-NEtFOSAA	*73*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:35*	*1*
M2-6:2 FTS	*100*		*25 - 150*	*03/03/21 08:24*	*03/03/21 21:35*	*1*
M2-8:2 FTS	*98*		*25 - 150*	*03/03/21 08:24*	*03/03/21 21:35*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		03/02/21 21:51	03/03/21 19:57	1

Client Sample ID: MW-4S-022221
Lab Sample ID: 480-181441-10

Date Collected: 02/22/21 14:20
Matrix: Water
Date Received: 02/25/21 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			02/27/21 16:51	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/27/21 16:51	1
Toluene	ND		1.0	0.51	ug/L			02/27/21 16:51	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/27/21 16:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*02/27/21 16:51*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*02/27/21 16:51*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*02/27/21 16:51*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*02/27/21 16:51*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.4	0.45	ug/L		02/26/21 09:50	03/03/21 16:17	1
Acenaphthylene	ND		5.4	0.41	ug/L		02/26/21 09:50	03/03/21 16:17	1
Anthracene	ND		5.4	0.30	ug/L		02/26/21 09:50	03/03/21 16:17	1
Benzo[a]anthracene	ND		5.4	0.39	ug/L		02/26/21 09:50	03/03/21 16:17	1
Benzo[a]pyrene	ND		5.4	0.51	ug/L		02/26/21 09:50	03/03/21 16:17	1
Benzo[b]fluoranthene	ND		5.4	0.37	ug/L		02/26/21 09:50	03/03/21 16:17	1
Benzo[g,h,i]perylene	ND		5.4	0.38	ug/L		02/26/21 09:50	03/03/21 16:17	1
Benzo[k]fluoranthene	ND		5.4	0.79	ug/L		02/26/21 09:50	03/03/21 16:17	1
Chrysene	ND		5.4	0.36	ug/L		02/26/21 09:50	03/03/21 16:17	1
Dibenz(a,h)anthracene	ND		5.4	0.46	ug/L		02/26/21 09:50	03/03/21 16:17	1
Fluoranthene	ND		5.4	0.43	ug/L		02/26/21 09:50	03/03/21 16:17	1
Fluorene	ND		5.4	0.39	ug/L		02/26/21 09:50	03/03/21 16:17	1
Indeno[1,2,3-cd]pyrene	ND		5.4	0.51	ug/L		02/26/21 09:50	03/03/21 16:17	1

Client Sample ID: MW-4S-022221
Lab Sample ID: 480-181441-10

Date Collected: 02/22/21 14:20
Matrix: Water
Date Received: 02/25/21 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.4	0.83	ug/L		02/26/21 09:50	03/03/21 16:17	1
Phenanthrene	ND		5.4	0.48	ug/L		02/26/21 09:50	03/03/21 16:17	1
Pyrene	ND		5.4	0.37	ug/L		02/26/21 09:50	03/03/21 16:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*101*		*48 - 120*	*02/26/21 09:50*	*03/03/21 16:17*	*1*
Nitrobenzene-d5 (Surr)	*102*		*46 - 120*	*02/26/21 09:50*	*03/03/21 16:17*	*1*
p-Terphenyl-d14 (Surr)	*88*		*60 - 148*	*02/26/21 09:50*	*03/03/21 16:17*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.7	0.57	ng/L		03/03/21 08:24	03/03/21 21:43	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	**0.66**	**J**	4.3	0.62	ng/L		03/03/21 08:24	03/03/21 21:43	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	**2.3**	**J**	4.3	0.80	ng/L		03/03/21 08:24	03/03/21 21:43	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	**0.89**	**J**	4.3	0.68	ng/L		03/03/21 08:24	03/03/21 21:43	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.7	0.54	ng/L		03/03/21 08:24	03/03/21 21:43	1
Perfluorobutanoic acid (PFBA)	**9.7**		4.3	0.97	ng/L		03/03/21 08:24	03/03/21 21:43	1
Perfluorodecanesulfonic acid (PFDS)	**3.4**		1.7	0.41	ng/L		03/03/21 08:24	03/03/21 21:43	1
Perfluorodecanoic acid (PFDA)	ND		1.7	0.39	ng/L		03/03/21 08:24	03/03/21 21:43	1
Perfluorododecanoic acid (PFDoA)	**4.5**		1.7	0.39	ng/L		03/03/21 08:24	03/03/21 21:43	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.7	0.33	ng/L		03/03/21 08:24	03/03/21 21:43	1
Perfluoroheptanoic acid (PFHpA)	ND		1.7	0.39	ng/L		03/03/21 08:24	03/03/21 21:43	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.7	0.57	ng/L		03/03/21 08:24	03/03/21 21:43	1
Perfluorohexanoic acid (PFHxA)	**1.5**	**J**	1.7	0.71	ng/L		03/03/21 08:24	03/03/21 21:43	1
Perfluorononanoic acid (PFNA)	ND		1.7	0.50	ng/L		03/03/21 08:24	03/03/21 21:43	1
Perfluorooctanesulfonamide (PFOSA)	**2.2**		1.7	0.49	ng/L		03/03/21 08:24	03/03/21 21:43	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.7	0.75	ng/L		03/03/21 08:24	03/03/21 21:43	1
Perfluorooctanoic acid (PFOA)	ND		1.7	0.84	ng/L		03/03/21 08:24	03/03/21 21:43	1
Perfluoropentanoic acid (PFPeA)	**3.0**		1.7	0.93	ng/L		03/03/21 08:24	03/03/21 21:43	1
Perfluorotetradecanoic acid (PFTeA)	**3.4**		1.7	0.51	ng/L		03/03/21 08:24	03/03/21 21:43	1
Perfluorotridecanoic acid (PFTriA)	**3.8**		1.7	0.37	ng/L		03/03/21 08:24	03/03/21 21:43	1
Perfluoroundecanoic acid (PFUnA)	**1.8**		1.7	0.63	ng/L		03/03/21 08:24	03/03/21 21:43	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFDA	*93*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:43*	*1*
13C2 PFDoA	*80*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:43*	*1*
13C2 PFHxA	*106*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:43*	*1*
13C2 PFTeDA	*82*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:43*	*1*
13C2 PFUnA	*85*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:43*	*1*
13C3 PFBS	*100*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:43*	*1*
13C4 PFBA	*82*		*25 - 150*	*03/03/21 08:24*	*03/03/21 21:43*	*1*
13C4 PFHpA	*106*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:43*	*1*
13C4 PFOA	*104*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:43*	*1*

Client Sample ID: MW-4S-022221
Lab Sample ID: 480-181441-10

Date Collected: 02/22/21 14:20
Matrix: Water
Date Received: 02/25/21 11:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFOS	*101*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:43*	*1*
13C5 PFNA	*103*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:43*	*1*
13C5 PFPeA	*105*		*25 - 150*	*03/03/21 08:24*	*03/03/21 21:43*	*1*
13C8 FOSA	*95*		*25 - 150*	*03/03/21 08:24*	*03/03/21 21:43*	*1*
18O2 PFHxS	*106*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:43*	*1*
d3-NMeFOSAA	*81*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:43*	*1*
d5-NEtFOSAA	*83*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:43*	*1*
M2-6:2 FTS	*105*		*25 - 150*	*03/03/21 08:24*	*03/03/21 21:43*	*1*
M2-8:2 FTS	*99*		*25 - 150*	*03/03/21 08:24*	*03/03/21 21:43*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.0054**	**J**	0.010	0.0050	mg/L		03/02/21 21:51	03/03/21 19:58	1

Client Sample ID: MW-6S-022221
Lab Sample ID: 480-181441-11

Date Collected: 02/22/21 13:20
Matrix: Water
Date Received: 02/25/21 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			02/27/21 17:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/27/21 17:16	1
Toluene	ND		1.0	0.51	ug/L			02/27/21 17:16	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/27/21 17:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*02/27/21 17:16*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*02/27/21 17:16*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*02/27/21 17:16*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*02/27/21 17:16*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.4	0.45	ug/L		02/26/21 09:50	03/03/21 16:46	1
Acenaphthylene	ND		5.4	0.41	ug/L		02/26/21 09:50	03/03/21 16:46	1
Anthracene	ND		5.4	0.30	ug/L		02/26/21 09:50	03/03/21 16:46	1
Benzo[a]anthracene	ND		5.4	0.39	ug/L		02/26/21 09:50	03/03/21 16:46	1
Benzo[a]pyrene	ND		5.4	0.51	ug/L		02/26/21 09:50	03/03/21 16:46	1
Benzo[b]fluoranthene	ND		5.4	0.37	ug/L		02/26/21 09:50	03/03/21 16:46	1
Benzo[g,h,i]perylene	ND		5.4	0.38	ug/L		02/26/21 09:50	03/03/21 16:46	1
Benzo[k]fluoranthene	ND		5.4	0.79	ug/L		02/26/21 09:50	03/03/21 16:46	1
Chrysene	ND		5.4	0.36	ug/L		02/26/21 09:50	03/03/21 16:46	1
Dibenz(a,h)anthracene	ND		5.4	0.46	ug/L		02/26/21 09:50	03/03/21 16:46	1
Fluoranthene	ND		5.4	0.43	ug/L		02/26/21 09:50	03/03/21 16:46	1
Fluorene	ND		5.4	0.39	ug/L		02/26/21 09:50	03/03/21 16:46	1
Indeno[1,2,3-cd]pyrene	ND		5.4	0.51	ug/L		02/26/21 09:50	03/03/21 16:46	1
Naphthalene	ND		5.4	0.83	ug/L		02/26/21 09:50	03/03/21 16:46	1
Phenanthrene	ND		5.4	0.48	ug/L		02/26/21 09:50	03/03/21 16:46	1
Pyrene	ND		5.4	0.37	ug/L		02/26/21 09:50	03/03/21 16:46	1

Client Sample ID: MW-6S-022221
Lab Sample ID: 480-181441-11

Date Collected: 02/22/21 13:20
Matrix: Water
Date Received: 02/25/21 11:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	100		48 - 120	02/26/21 09:50	03/03/21 16:46	1
Nitrobenzene-d5 (Surr)	101		46 - 120	02/26/21 09:50	03/03/21 16:46	1
p-Terphenyl-d14 (Surr)	92		60 - 148	02/26/21 09:50	03/03/21 16:46	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.7	0.57	ng/L		03/03/21 08:24	03/03/21 21:52	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	**4.2**	**J**	4.3	0.62	ng/L		03/03/21 08:24	03/03/21 21:52	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.3	0.80	ng/L		03/03/21 08:24	03/03/21 21:52	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.3	0.68	ng/L		03/03/21 08:24	03/03/21 21:52	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.7	0.54	ng/L		03/03/21 08:24	03/03/21 21:52	1
Perfluorobutanoic acid (PFBA)	**2.0**	**J**	4.3	0.98	ng/L		03/03/21 08:24	03/03/21 21:52	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.41	ng/L		03/03/21 08:24	03/03/21 21:52	1
Perfluorodecanoic acid (PFDA)	ND		1.7	0.40	ng/L		03/03/21 08:24	03/03/21 21:52	1
Perfluorododecanoic acid (PFDoA)	ND		1.7	0.40	ng/L		03/03/21 08:24	03/03/21 21:52	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.7	0.34	ng/L		03/03/21 08:24	03/03/21 21:52	1
Perfluoroheptanoic acid (PFHpA)	ND		1.7	0.40	ng/L		03/03/21 08:24	03/03/21 21:52	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.7	0.58	ng/L		03/03/21 08:24	03/03/21 21:52	1
Perfluorohexanoic acid (PFHxA)	ND		1.7	0.72	ng/L		03/03/21 08:24	03/03/21 21:52	1
Perfluorononanoic acid (PFNA)	ND		1.7	0.50	ng/L		03/03/21 08:24	03/03/21 21:52	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.7	0.49	ng/L		03/03/21 08:24	03/03/21 21:52	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.7	0.75	ng/L		03/03/21 08:24	03/03/21 21:52	1
Perfluorooctanoic acid (PFOA)	ND		1.7	0.85	ng/L		03/03/21 08:24	03/03/21 21:52	1
Perfluoropentanoic acid (PFPeA)	ND		1.7	0.93	ng/L		03/03/21 08:24	03/03/21 21:52	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.7	0.51	ng/L		03/03/21 08:24	03/03/21 21:52	1
Perfluorotridecanoic acid (PFTriA)	ND		1.7	0.37	ng/L		03/03/21 08:24	03/03/21 21:52	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.63	ng/L		03/03/21 08:24	03/03/21 21:52	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	91		50 - 150	03/03/21 08:24	03/03/21 21:52	1
13C2 PFDoA	76		50 - 150	03/03/21 08:24	03/03/21 21:52	1
13C2 PFHxA	103		50 - 150	03/03/21 08:24	03/03/21 21:52	1
13C2 PFTeDA	73		50 - 150	03/03/21 08:24	03/03/21 21:52	1
13C2 PFUnA	81		50 - 150	03/03/21 08:24	03/03/21 21:52	1
13C3 PFBS	102		50 - 150	03/03/21 08:24	03/03/21 21:52	1
13C4 PFBA	91		25 - 150	03/03/21 08:24	03/03/21 21:52	1
13C4 PFHpA	101		50 - 150	03/03/21 08:24	03/03/21 21:52	1
13C4 PFOA	103		50 - 150	03/03/21 08:24	03/03/21 21:52	1
13C4 PFOS	101		50 - 150	03/03/21 08:24	03/03/21 21:52	1
13C5 PFNA	103		50 - 150	03/03/21 08:24	03/03/21 21:52	1
13C5 PFPeA	102		25 - 150	03/03/21 08:24	03/03/21 21:52	1
13C8 FOSA	86		25 - 150	03/03/21 08:24	03/03/21 21:52	1
18O2 PFHxS	105		50 - 150	03/03/21 08:24	03/03/21 21:52	1
d3-NMeFOSAA	80		50 - 150	03/03/21 08:24	03/03/21 21:52	1
d5-NEtFOSAA	86		50 - 150	03/03/21 08:24	03/03/21 21:52	1
M2-6:2 FTS	102		25 - 150	03/03/21 08:24	03/03/21 21:52	1
M2-8:2 FTS	95		25 - 150	03/03/21 08:24	03/03/21 21:52	1

Client Sample ID: MW-6S-022221
Lab Sample ID: 480-181441-11
Date Collected: 02/22/21 13:20
Matrix: Water
Date Received: 02/25/21 11:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		03/02/21 21:51	03/03/21 20:00	1

Client Sample ID: TMW-2D-022421
Lab Sample ID: 480-181441-12
Date Collected: 02/24/21 10:20
Matrix: Water
Date Received: 02/25/21 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			02/27/21 17:41	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/27/21 17:41	1
Toluene	ND		1.0	0.51	ug/L			02/27/21 17:41	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/27/21 17:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*02/27/21 17:41*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*02/27/21 17:41*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*02/27/21 17:41*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*02/27/21 17:41*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.4	0.45	ug/L		02/26/21 09:50	03/03/21 17:16	1
Acenaphthylene	ND		5.4	0.41	ug/L		02/26/21 09:50	03/03/21 17:16	1
Anthracene	ND		5.4	0.30	ug/L		02/26/21 09:50	03/03/21 17:16	1
Benzo[a]anthracene	ND		5.4	0.39	ug/L		02/26/21 09:50	03/03/21 17:16	1
Benzo[a]pyrene	ND		5.4	0.51	ug/L		02/26/21 09:50	03/03/21 17:16	1
Benzo[b]fluoranthene	ND		5.4	0.37	ug/L		02/26/21 09:50	03/03/21 17:16	1
Benzo[g,h,i]perylene	ND		5.4	0.38	ug/L		02/26/21 09:50	03/03/21 17:16	1
Benzo[k]fluoranthene	ND		5.4	0.79	ug/L		02/26/21 09:50	03/03/21 17:16	1
Chrysene	ND		5.4	0.36	ug/L		02/26/21 09:50	03/03/21 17:16	1
Dibenz(a,h)anthracene	ND		5.4	0.46	ug/L		02/26/21 09:50	03/03/21 17:16	1
Fluoranthene	ND		5.4	0.43	ug/L		02/26/21 09:50	03/03/21 17:16	1
Fluorene	ND		5.4	0.39	ug/L		02/26/21 09:50	03/03/21 17:16	1
Indeno[1,2,3-cd]pyrene	ND		5.4	0.51	ug/L		02/26/21 09:50	03/03/21 17:16	1
Naphthalene	ND		5.4	0.83	ug/L		02/26/21 09:50	03/03/21 17:16	1
Phenanthrene	ND		5.4	0.48	ug/L		02/26/21 09:50	03/03/21 17:16	1
Pyrene	ND		5.4	0.37	ug/L		02/26/21 09:50	03/03/21 17:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*103*		*48 - 120*	*02/26/21 09:50*	*03/03/21 17:16*	*1*
Nitrobenzene-d5 (Surr)	*104*		*46 - 120*	*02/26/21 09:50*	*03/03/21 17:16*	*1*
p-Terphenyl-d14 (Surr)	*93*		*60 - 148*	*02/26/21 09:50*	*03/03/21 17:16*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.7	0.56	ng/L		03/03/21 08:24	03/03/21 22:00	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	**1.6**	**J**	4.2	0.61	ng/L		03/03/21 08:24	03/03/21 22:00	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.2	0.79	ng/L		03/03/21 08:24	03/03/21 22:00	1

Client Sample ID: TMW-2D-022421
Lab Sample ID: 480-181441-12

Date Collected: 02/24/21 10:20
Matrix: Water
Date Received: 02/25/21 11:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.2	0.67	ng/L		03/03/21 08:24	03/03/21 22:00	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.7	0.53	ng/L		03/03/21 08:24	03/03/21 22:00	1
Perfluorobutanoic acid (PFBA)	ND		4.2	0.96	ng/L		03/03/21 08:24	03/03/21 22:00	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.41	ng/L		03/03/21 08:24	03/03/21 22:00	1
Perfluorodecanoic acid (PFDA)	ND		1.7	0.39	ng/L		03/03/21 08:24	03/03/21 22:00	1
Perfluorododecanoic acid (PFDoA)	ND		1.7	0.39	ng/L		03/03/21 08:24	03/03/21 22:00	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.7	0.33	ng/L		03/03/21 08:24	03/03/21 22:00	1
Perfluoroheptanoic acid (PFHpA)	ND		1.7	0.39	ng/L		03/03/21 08:24	03/03/21 22:00	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.7	0.57	ng/L		03/03/21 08:24	03/03/21 22:00	1
Perfluorohexanoic acid (PFHxA)	ND		1.7	0.70	ng/L		03/03/21 08:24	03/03/21 22:00	1
Perfluorononanoic acid (PFNA)	ND		1.7	0.49	ng/L		03/03/21 08:24	03/03/21 22:00	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.7	0.48	ng/L		03/03/21 08:24	03/03/21 22:00	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.7	0.74	ng/L		03/03/21 08:24	03/03/21 22:00	1
Perfluorooctanoic acid (PFOA)	ND		1.7	0.83	ng/L		03/03/21 08:24	03/03/21 22:00	1
Perfluoropentanoic acid (PFPeA)	ND		1.7	0.91	ng/L		03/03/21 08:24	03/03/21 22:00	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.7	0.50	ng/L		03/03/21 08:24	03/03/21 22:00	1
Perfluorotridecanoic acid (PFTriA)	ND		1.7	0.36	ng/L		03/03/21 08:24	03/03/21 22:00	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.62	ng/L		03/03/21 08:24	03/03/21 22:00	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFDA	*99*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:00*	*1*
13C2 PFDoA	*77*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:00*	*1*
13C2 PFHxA	*107*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:00*	*1*
13C2 PFTeDA	*79*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:00*	*1*
13C2 PFUnA	*81*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:00*	*1*
13C3 PFBS	*98*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:00*	*1*
13C4 PFBA	*87*		*25 - 150*	*03/03/21 08:24*	*03/03/21 22:00*	*1*
13C4 PFHpA	*106*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:00*	*1*
13C4 PFOA	*105*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:00*	*1*
13C4 PFOS	*104*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:00*	*1*
13C5 PFNA	*102*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:00*	*1*
13C5 PFPeA	*104*		*25 - 150*	*03/03/21 08:24*	*03/03/21 22:00*	*1*
13C8 FOSA	*90*		*25 - 150*	*03/03/21 08:24*	*03/03/21 22:00*	*1*
18O2 PFHxS	*101*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:00*	*1*
d3-NMeFOSAA	*84*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:00*	*1*
d5-NEtFOSAA	*79*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:00*	*1*
M2-6:2 FTS	*107*		*25 - 150*	*03/03/21 08:24*	*03/03/21 22:00*	*1*
M2-8:2 FTS	*101*		*25 - 150*	*03/03/21 08:24*	*03/03/21 22:00*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		03/02/21 21:51	03/03/21 20:04	1

Client Sample ID: EQUIP BLANK
Lab Sample ID: 480-181441-13

Date Collected: 02/23/21 13:35
Matrix: Water

Date Received: 02/25/21 11:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.7	0.58	ng/L		03/03/21 08:24	03/03/21 22:08	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.4	0.63	ng/L		03/03/21 08:24	03/03/21 22:08	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.4	0.81	ng/L		03/03/21 08:24	03/03/21 22:08	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.4	0.69	ng/L		03/03/21 08:24	03/03/21 22:08	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.7	0.55	ng/L		03/03/21 08:24	03/03/21 22:08	1
Perfluorobutanoic acid (PFBA)	ND		4.4	0.98	ng/L		03/03/21 08:24	03/03/21 22:08	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.42	ng/L		03/03/21 08:24	03/03/21 22:08	1
Perfluorodecanoic acid (PFDA)	ND		1.7	0.40	ng/L		03/03/21 08:24	03/03/21 22:08	1
Perfluorododecanoic acid (PFDoA)	ND		1.7	0.40	ng/L		03/03/21 08:24	03/03/21 22:08	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.7	0.34	ng/L		03/03/21 08:24	03/03/21 22:08	1
Perfluoroheptanoic acid (PFHpA)	ND		1.7	0.40	ng/L		03/03/21 08:24	03/03/21 22:08	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.7	0.58	ng/L		03/03/21 08:24	03/03/21 22:08	1
Perfluorohexanoic acid (PFHxA)	ND		1.7	0.72	ng/L		03/03/21 08:24	03/03/21 22:08	1
Perfluorononanoic acid (PFNA)	ND		1.7	0.51	ng/L		03/03/21 08:24	03/03/21 22:08	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.7	0.50	ng/L		03/03/21 08:24	03/03/21 22:08	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.7	0.76	ng/L		03/03/21 08:24	03/03/21 22:08	1
Perfluorooctanoic acid (PFOA)	ND		1.7	0.85	ng/L		03/03/21 08:24	03/03/21 22:08	1
Perfluoropentanoic acid (PFPeA)	ND		1.7	0.94	ng/L		03/03/21 08:24	03/03/21 22:08	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.7	0.51	ng/L		03/03/21 08:24	03/03/21 22:08	1
Perfluorotridecanoic acid (PFTriA)	ND		1.7	0.37	ng/L		03/03/21 08:24	03/03/21 22:08	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.64	ng/L		03/03/21 08:24	03/03/21 22:08	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFDA	*107*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:08*	*1*
13C2 PFDoA	*88*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:08*	*1*
13C2 PFHxA	*112*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:08*	*1*
13C2 PFTeDA	*79*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:08*	*1*
13C2 PFUnA	*98*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:08*	*1*
13C3 PFBS	*106*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:08*	*1*
13C4 PFBA	*110*		*25 - 150*	*03/03/21 08:24*	*03/03/21 22:08*	*1*
13C4 PFHpA	*112*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:08*	*1*
13C4 PFOA	*107*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:08*	*1*
13C4 PFOS	*110*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:08*	*1*
13C5 PFNA	*105*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:08*	*1*
13C5 PFPeA	*108*		*25 - 150*	*03/03/21 08:24*	*03/03/21 22:08*	*1*
13C8 FOSA	*87*		*25 - 150*	*03/03/21 08:24*	*03/03/21 22:08*	*1*
18O2 PFHxS	*106*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:08*	*1*
d3-NMeFOSAA	*91*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:08*	*1*
d5-NEtFOSAA	*92*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:08*	*1*
M2-6:2 FTS	*108*		*25 - 150*	*03/03/21 08:24*	*03/03/21 22:08*	*1*
M2-8:2 FTS	*117*		*25 - 150*	*03/03/21 08:24*	*03/03/21 22:08*	*1*

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-181441-14

Date Collected: 02/24/21 00:00
Matrix: Water
Date Received: 02/25/21 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			03/01/21 12:23	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/01/21 12:23	1
Toluene	ND		1.0	0.51	ug/L			03/01/21 12:23	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/01/21 12:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*03/01/21 12:23*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*03/01/21 12:23*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*03/01/21 12:23*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*03/01/21 12:23*	*1*

Surrogate Summary

Client: New York State Electric & Gas
Job ID: 480-181441-1
Project/Site: NYSEG - Penn Yan Water St. MGP

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
480-181441-1	MW-6D-022221	102	98	106	98
480-181441-2	MW5S-022221	101	98	103	98
480-181441-3	MW-5D-022221	106	106	107	102
480-181441-4	MW-3D-022321	103	95	106	98
480-181441-5	MW-3S-022321	103	107	103	107
480-181441-6	DUP-1-022321	105	106	106	105
480-181441-7	MW-1S-022221	105	105	105	106
480-181441-8	MW-2S-022321	104	98	104	100
480-181441-8 MS	MW-2S-022321	101	101	106	102
480-181441-8 MSD	MW-2S-022321	100	100	103	100
480-181441-9	MW-2D-022321	101	98	102	99
480-181441-10	MW-4S-022221	105	99	106	99
480-181441-11	MW-6S-022221	107	96	109	98
480-181441-12	TMW-2D-022421	106	104	109	100
480-181441-14	TRIP BLANK	103	105	103	96
LCS 480-570785/5	Lab Control Sample	99	101	105	102
LCS 480-570843/6	Lab Control Sample	97	102	96	91
MB 480-570785/7	Method Blank	104	107	105	108
MB 480-570843/8	Method Blank	101	99	102	95

Surrogate Legend

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

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHd14
Lab Sample ID	Client Sample ID	(48-120)	(46-120)	(60-148)
480-181441-1	MW-6D-022221	102	100	103
480-181441-2	MW5S-022221	92	92	79
480-181441-3	MW-5D-022221	97	100	101
480-181441-4	MW-3D-022321	98	99	100
480-181441-5	MW-3S-022321	103	104	102
480-181441-6	DUP-1-022321	101	106	98
480-181441-7	MW-1S-022221	103	102	96
480-181441-8	MW-2S-022321	101	98	88
480-181441-8 MS	MW-2S-022321	91	88	78
480-181441-8 MSD	MW-2S-022321	94	91	84
480-181441-9	MW-2D-022321	101	105	93
480-181441-10	MW-4S-022221	101	102	88
480-181441-11	MW-6S-022221	100	101	92
480-181441-12	TMW-2D-022421	103	104	93
LCS 480-570715/2-A	Lab Control Sample	98	94	109
MB 480-570715/1-A	Method Blank	98	99	114

Surrogate Legend

FBP = 2-Fluorobiphenyl

Surrogate Summary

Client: New York State Electric & Gas
Job ID: 480-181441-1
Project/Site: NYSEG - Penn Yan Water St. MGP

NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

Isotope Dilution Summary

Client: New York State Electric & Gas
Job ID: 480-181441-1
Project/Site: NYSEG - Penn Yan Water St. MGP

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFDA (50-150)	PFDoA (50-150)	PFHxA (50-150)	PFTDA (50-150)	PFUnA (50-150)	C3PFBS (50-150)	PFBA (25-150)	C4PFHA (50-150)
480-181441-1	MW-6D-022221	81	57	108	62	62	102	89	108
480-181441-2	MW5S-022221	100	89	105	88	84	109	93	107
480-181441-3	MW-5D-022221	78	60	110	63	65	106	89	107
480-181441-4	MW-3D-022321	101	87	111	92	96	106	85	110
480-181441-5	MW-3S-022321	89	75	107	77	77	100	91	108
480-181441-6	DUP-1-022321	86	69	109	78	74	105	95	108
480-181441-7	MW-1S-022221	93	82	110	79	83	110	88	110
480-181441-8	MW-2S-022321	96	85	105	81	90	99	85	103
480-181441-8 MS	MW-2S-022321	98	84	110	78	86	101	92	108
480-181441-8 MSD	MW-2S-022321	96	85	112	81	88	103	95	113
480-181441-9	MW-2D-022321	87	65	105	68	73	101	91	110
480-181441-10	MW-4S-022221	93	80	106	82	85	100	82	106
480-181441-11	MW-6S-022221	91	76	103	73	81	102	91	101
480-181441-12	TMW-2D-022421	99	77	107	79	81	98	87	106
480-181441-13	EQUIP BLANK	107	88	112	79	98	106	110	112
LCS 200-164458/2-A	Lab Control Sample	99	87	111	86	95	105	113	108
MB 200-164458/1-A	Method Blank	108	87	110	80	102	106	111	114

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFOA (50-150)	PFOS (50-150)	PFNA (50-150)	PFPeA (25-150)	PFOSA (25-150)	PFHxS (50-150)	d3NMFOS (50-150)	d5NEFOS (50-150)
480-181441-1	MW-6D-022221	106	105	102	106	98	104	66	63
480-181441-2	MW5S-022221	108	107	105	106	86	111	88	85
480-181441-3	MW-5D-022221	104	86	94	105	91	104	63	69
480-181441-4	MW-3D-022321	113	104	107	112	93	110	90	84
480-181441-5	MW-3S-022321	106	96	99	106	88	107	74	73
480-181441-6	DUP-1-022321	104	97	100	107	90	104	72	73
480-181441-7	MW-1S-022221	105	107	98	109	93	108	78	79
480-181441-8	MW-2S-022321	103	101	100	100	94	101	90	92
480-181441-8 MS	MW-2S-022321	106	104	101	103	93	104	86	89
480-181441-8 MSD	MW-2S-022321	106	108	100	107	98	111	88	94
480-181441-9	MW-2D-022321	104	100	101	101	87	105	70	73
480-181441-10	MW-4S-022221	104	101	103	105	95	106	81	83
480-181441-11	MW-6S-022221	103	101	103	102	86	105	80	86
480-181441-12	TMW-2D-022421	105	104	102	104	90	101	84	79
480-181441-13	EQUIP BLANK	107	110	105	108	87	106	91	92
LCS 200-164458/2-A	Lab Control Sample	108	105	103	110	83	107	92	99
MB 200-164458/1-A	Method Blank	108	109	108	115	84	108	95	92

		Percent Isotope Dilution Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	M262FTS (25-150)	M282FTS (25-150)
480-181441-1	MW-6D-022221	105	80
480-181441-2	MW5S-022221	112	105
480-181441-3	MW-5D-022221	106	81
480-181441-4	MW-3D-022321	108	111
480-181441-5	MW-3S-022321	104	93
480-181441-6	DUP-1-022321	98	88
480-181441-7	MW-1S-022221	109	98
480-181441-8	MW-2S-022321	106	103
480-181441-8 MS	MW-2S-022321	109	98

Isotope Dilution Summary

Client: New York State Electric & Gas
Job ID: 480-181441-1
Project/Site: NYSEG - Penn Yan Water St. MGP

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Matrix: Water
Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)											
		M262FTS	M282FTS										
Lab Sample ID	Client Sample ID	(25-150)	(25-150)										
480-181441-8 MSD	MW-2S-022321	108	104										
480-181441-9	MW-2D-022321	100	98										
480-181441-10	MW-4S-022221	105	99										
480-181441-11	MW-6S-022221	102	95										
480-181441-12	TMW-2D-022421	107	101										
480-181441-13	EQUIP BLANK	108	117										
LCS 200-164458/2-A	Lab Control Sample	105	105										
MB 200-164458/1-A	Method Blank	108	107										

Surrogate Legend

PFDA = 13C2 PFDA
PFDoA = 13C2 PFDoA
PFHxA = 13C2 PFHxA
PFTDA = 13C2 PFTeDA
PFUnA = 13C2 PFUnA
C3PFBS = 13C3 PFBS
PFBA = 13C4 PFBA
C4PFHA = 13C4 PFHpA
PFOA = 13C4 PFOA
PFOS = 13C4 PFOS
PFNA = 13C5 PFNA
PFPeA = 13C5 PFPeA
PFOSA = 13C8 FOSA
PFHxS = 18O2 PFHxS
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS

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

Lab Sample ID: MB 480-570785/7
Matrix: Water
Analysis Batch: 570785

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			02/27/21 10:55	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/27/21 10:55	1
Toluene	ND		1.0	0.51	ug/L			02/27/21 10:55	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/27/21 10:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*02/27/21 10:55*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*02/27/21 10:55*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*02/27/21 10:55*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*02/27/21 10:55*	*1*

Lab Sample ID: LCS 480-570785/5
Matrix: Water
Analysis Batch: 570785

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			25.0	25.2		ug/L		101	71 - 124		
Ethylbenzene			25.0	25.2		ug/L		101	77 - 123		
Toluene			25.0	25.8		ug/L		103	80 - 122		
Xylenes, Total			50.0	51.3		ug/L		103	76 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*
Dibromofluoromethane (Surr)	*105*		*75 - 123*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: 480-181441-8 MS
Matrix: Water
Analysis Batch: 570785

Client Sample ID: MW-2S-022321
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	ND	F2	25.0	27.1		ug/L		108	71 - 124		
Ethylbenzene	ND		25.0	27.3		ug/L		109	77 - 123		
Toluene	ND		25.0	27.6		ug/L		111	80 - 122		
Xylenes, Total	ND		50.0	55.0		ug/L		110	76 - 122		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*
Dibromofluoromethane (Surr)	*106*		*75 - 123*
Toluene-d8 (Surr)	*102*		*80 - 120*

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

Lab Sample ID: 480-181441-8 MSD
Client Sample ID: MW-2S-022321
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 570785

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND	F2	25.0	23.1	F2	ug/L		92	71 - 124	16	13
Ethylbenzene	ND		25.0	24.2		ug/L		97	77 - 123	12	15
Toluene	ND		25.0	23.9		ug/L		96	80 - 122	14	15
Xylenes, Total	ND		50.0	48.3		ug/L		97	76 - 122	13	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*
Dibromofluoromethane (Surr)	*103*		*75 - 123*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: MB 480-570843/8
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 570843

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			03/01/21 10:40	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/01/21 10:40	1
Toluene	ND		1.0	0.51	ug/L			03/01/21 10:40	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/01/21 10:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*03/01/21 10:40*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*03/01/21 10:40*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*03/01/21 10:40*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*03/01/21 10:40*	*1*

Lab Sample ID: LCS 480-570843/6
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 570843

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			25.0	27.8		ug/L		111	71 - 124		
Ethylbenzene			25.0	26.6		ug/L		106	77 - 123		
Toluene			25.0	26.3		ug/L		105	80 - 122		
Xylenes, Total			50.0	52.5		ug/L		105	76 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*
Dibromofluoromethane (Surr)	*96*		*75 - 123*
Toluene-d8 (Surr)	*91*		*80 - 120*

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

Lab Sample ID: MB 480-570715/1-A
Matrix: Water
Analysis Batch: 570863

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 570715

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		02/26/21 09:50	03/01/21 12:52	1
Acenaphthylene	ND		5.0	0.38	ug/L		02/26/21 09:50	03/01/21 12:52	1
Anthracene	ND		5.0	0.28	ug/L		02/26/21 09:50	03/01/21 12:52	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		02/26/21 09:50	03/01/21 12:52	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		02/26/21 09:50	03/01/21 12:52	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		02/26/21 09:50	03/01/21 12:52	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		02/26/21 09:50	03/01/21 12:52	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		02/26/21 09:50	03/01/21 12:52	1
Chrysene	ND		5.0	0.33	ug/L		02/26/21 09:50	03/01/21 12:52	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		02/26/21 09:50	03/01/21 12:52	1
Fluoranthene	ND		5.0	0.40	ug/L		02/26/21 09:50	03/01/21 12:52	1
Fluorene	ND		5.0	0.36	ug/L		02/26/21 09:50	03/01/21 12:52	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		02/26/21 09:50	03/01/21 12:52	1
Naphthalene	ND		5.0	0.76	ug/L		02/26/21 09:50	03/01/21 12:52	1
Phenanthrene	ND		5.0	0.44	ug/L		02/26/21 09:50	03/01/21 12:52	1
Pyrene	ND		5.0	0.34	ug/L		02/26/21 09:50	03/01/21 12:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*98*		*48 - 120*	*02/26/21 09:50*	*03/01/21 12:52*	*1*
Nitrobenzene-d5 (Surr)	*99*		*46 - 120*	*02/26/21 09:50*	*03/01/21 12:52*	*1*
p-Terphenyl-d14 (Surr)	*114*		*60 - 148*	*02/26/21 09:50*	*03/01/21 12:52*	*1*

Lab Sample ID: LCS 480-570715/2-A
Matrix: Water
Analysis Batch: 570863

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 570715

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	32.0	30.7		ug/L		96	60 - 120
Acenaphthylene	32.0	32.9		ug/L		103	63 - 120
Anthracene	32.0	32.8		ug/L		103	67 - 120
Benzo[a]anthracene	32.0	34.9		ug/L		109	70 - 121
Benzo[a]pyrene	32.0	34.1		ug/L		107	60 - 123
Benzo[b]fluoranthene	32.0	36.9		ug/L		115	66 - 126
Benzo[g,h,i]perylene	32.0	35.8		ug/L		112	66 - 150
Benzo[k]fluoranthene	32.0	38.2		ug/L		119	65 - 124
Chrysene	32.0	34.4		ug/L		108	69 - 120
Dibenz(a,h)anthracene	32.0	35.6		ug/L		111	65 - 135
Fluoranthene	32.0	35.1		ug/L		110	69 - 126
Fluorene	32.0	32.3		ug/L		101	66 - 120
Indeno[1,2,3-cd]pyrene	32.0	35.6		ug/L		111	69 - 146
Naphthalene	32.0	27.8		ug/L		87	57 - 120
Phenanthrene	32.0	32.9		ug/L		103	68 - 120
Pyrene	32.0	34.0		ug/L		106	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*98*		*48 - 120*
Nitrobenzene-d5 (Surr)	*94*		*46 - 120*
p-Terphenyl-d14 (Surr)	*109*		*60 - 148*

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

Lab Sample ID: 480-181441-8 MS
Client Sample ID: MW-2S-022321
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 570863
Prep Batch: 570715

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		34.8	29.9		ug/L		86	48 - 120
Acenaphthylene	ND		34.8	31.9		ug/L		92	63 - 120
Anthracene	ND		34.8	32.6		ug/L		94	65 - 122
Benzo[a]anthracene	ND		34.8	31.8		ug/L		91	43 - 124
Benzo[a]pyrene	ND		34.8	30.1		ug/L		86	23 - 125
Benzo[b]fluoranthene	ND		34.8	33.1		ug/L		95	27 - 127
Benzo[g,h,i]perylene	ND		34.8	31.3		ug/L		90	16 - 147
Benzo[k]fluoranthene	ND		34.8	33.6		ug/L		97	20 - 124
Chrysene	ND		34.8	31.1		ug/L		89	44 - 122
Dibenz(a,h)anthracene	ND		34.8	30.8		ug/L		89	16 - 139
Fluoranthene	ND		34.8	33.8		ug/L		97	63 - 129
Fluorene	ND		34.8	31.8		ug/L		91	62 - 120
Indeno[1,2,3-cd]pyrene	ND		34.8	31.2		ug/L		90	16 - 140
Naphthalene	ND		34.8	27.8		ug/L		80	45 - 120
Phenanthrene	ND		34.8	32.8		ug/L		94	65 - 122
Pyrene	ND		34.8	32.9		ug/L		95	58 - 128

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*91*		*48 - 120*
Nitrobenzene-d5 (Surr)	*88*		*46 - 120*
p-Terphenyl-d14 (Surr)	*78*		*60 - 148*

Lab Sample ID: 480-181441-8 MSD
Client Sample ID: MW-2S-022321
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 570863
Prep Batch: 570715

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		32.0	28.5		ug/L		89	48 - 120	5	24
Acenaphthylene	ND		32.0	30.2		ug/L		95	63 - 120	5	18
Anthracene	ND		32.0	29.6		ug/L		92	65 - 122	10	15
Benzo[a]anthracene	ND		32.0	30.0		ug/L		94	43 - 124	6	15
Benzo[a]pyrene	ND		32.0	27.9		ug/L		87	23 - 125	7	15
Benzo[b]fluoranthene	ND		32.0	29.5		ug/L		92	27 - 127	11	15
Benzo[g,h,i]perylene	ND		32.0	29.0		ug/L		91	16 - 147	8	15
Benzo[k]fluoranthene	ND		32.0	28.9		ug/L		90	20 - 124	15	22
Chrysene	ND		32.0	30.2		ug/L		95	44 - 122	3	15
Dibenz(a,h)anthracene	ND		32.0	28.2		ug/L		88	16 - 139	9	15
Fluoranthene	ND		32.0	31.6		ug/L		99	63 - 129	7	15
Fluorene	ND		32.0	30.0		ug/L		94	62 - 120	6	15
Indeno[1,2,3-cd]pyrene	ND		32.0	28.5		ug/L		89	16 - 140	9	15
Naphthalene	ND		32.0	26.0		ug/L		81	45 - 120	6	29
Phenanthrene	ND		32.0	30.7		ug/L		96	65 - 122	6	15
Pyrene	ND		32.0	31.8		ug/L		99	58 - 128	4	19

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*94*		*48 - 120*
Nitrobenzene-d5 (Surr)	*91*		*46 - 120*
p-Terphenyl-d14 (Surr)	*84*		*60 - 148*

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 200-164458/1-A
Matrix: Water
Analysis Batch: 164492

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 164458

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		2.0	0.66	ng/L		03/03/21 08:24	03/03/21 19:06	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		5.0	0.72	ng/L		03/03/21 08:24	03/03/21 19:06	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		5.0	0.93	ng/L		03/03/21 08:24	03/03/21 19:06	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		5.0	0.79	ng/L		03/03/21 08:24	03/03/21 19:06	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.63	ng/L		03/03/21 08:24	03/03/21 19:06	1
Perfluorobutanoic acid (PFBA)	ND		5.0	1.1	ng/L		03/03/21 08:24	03/03/21 19:06	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.48	ng/L		03/03/21 08:24	03/03/21 19:06	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.46	ng/L		03/03/21 08:24	03/03/21 19:06	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.46	ng/L		03/03/21 08:24	03/03/21 19:06	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.0	0.39	ng/L		03/03/21 08:24	03/03/21 19:06	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.46	ng/L		03/03/21 08:24	03/03/21 19:06	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.67	ng/L		03/03/21 08:24	03/03/21 19:06	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.83	ng/L		03/03/21 08:24	03/03/21 19:06	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.58	ng/L		03/03/21 08:24	03/03/21 19:06	1
Perfluorooctanesulfonamide (PFOSA)	ND		2.0	0.57	ng/L		03/03/21 08:24	03/03/21 19:06	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	0.87	ng/L		03/03/21 08:24	03/03/21 19:06	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.98	ng/L		03/03/21 08:24	03/03/21 19:06	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	1.1	ng/L		03/03/21 08:24	03/03/21 19:06	1
Perfluorotetradecanoic acid (PFTeA)	ND		2.0	0.59	ng/L		03/03/21 08:24	03/03/21 19:06	1
Perfluorotridecanoic acid (PFTriA)	ND		2.0	0.43	ng/L		03/03/21 08:24	03/03/21 19:06	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.73	ng/L		03/03/21 08:24	03/03/21 19:06	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFDA	*108*		*50 - 150*	*03/03/21 08:24*	*03/03/21 19:06*	*1*
13C2 PFDoA	*87*		*50 - 150*	*03/03/21 08:24*	*03/03/21 19:06*	*1*
13C2 PFHxA	*110*		*50 - 150*	*03/03/21 08:24*	*03/03/21 19:06*	*1*
13C2 PFTeDA	*80*		*50 - 150*	*03/03/21 08:24*	*03/03/21 19:06*	*1*
13C2 PFUnA	*102*		*50 - 150*	*03/03/21 08:24*	*03/03/21 19:06*	*1*
13C3 PFBS	*106*		*50 - 150*	*03/03/21 08:24*	*03/03/21 19:06*	*1*
13C4 PFBA	*111*		*25 - 150*	*03/03/21 08:24*	*03/03/21 19:06*	*1*
13C4 PFHpA	*114*		*50 - 150*	*03/03/21 08:24*	*03/03/21 19:06*	*1*
13C4 PFOA	*108*		*50 - 150*	*03/03/21 08:24*	*03/03/21 19:06*	*1*
13C4 PFOS	*109*		*50 - 150*	*03/03/21 08:24*	*03/03/21 19:06*	*1*
13C5 PFNA	*108*		*50 - 150*	*03/03/21 08:24*	*03/03/21 19:06*	*1*
13C5 PFPeA	*115*		*25 - 150*	*03/03/21 08:24*	*03/03/21 19:06*	*1*
13C8 FOSA	*84*		*25 - 150*	*03/03/21 08:24*	*03/03/21 19:06*	*1*
18O2 PFHxS	*108*		*50 - 150*	*03/03/21 08:24*	*03/03/21 19:06*	*1*
d3-NMeFOSAA	*95*		*50 - 150*	*03/03/21 08:24*	*03/03/21 19:06*	*1*
d5-NEtFOSAA	*92*		*50 - 150*	*03/03/21 08:24*	*03/03/21 19:06*	*1*
M2-6:2 FTS	*108*		*25 - 150*	*03/03/21 08:24*	*03/03/21 19:06*	*1*
M2-8:2 FTS	*107*		*25 - 150*	*03/03/21 08:24*	*03/03/21 19:06*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 200-164458/2-A
Matrix: Water
Analysis Batch: 164492

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 164458

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	38.3	29.9		ng/L		78	50 - 150
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	37.9	35.3		ng/L		93	50 - 150
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	38.1		ng/L		95	70 - 130
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	37.5		ng/L		94	70 - 130
Perfluorobutanesulfonic acid (PFBS)	35.4	36.1		ng/L		102	70 - 130
Perfluorobutanoic acid (PFBA)	40.0	39.6		ng/L		99	50 - 150
Perfluorodecanesulfonic acid (PFDS)	38.6	38.0		ng/L		99	50 - 150
Perfluorodecanoic acid (PFDA)	40.0	41.5		ng/L		104	70 - 130
Perfluorododecanoic acid (PFDoA)	40.0	36.5		ng/L		91	70 - 130
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	40.4		ng/L		106	50 - 150
Perfluoroheptanoic acid (PFHpA)	40.0	41.3		ng/L		103	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	36.4	35.6		ng/L		98	70 - 130
Perfluorohexanoic acid (PFHxA)	40.0	39.8		ng/L		100	70 - 130
Perfluorononanoic acid (PFNA)	40.0	41.3		ng/L		103	70 - 130
Perfluorooctanesulfonamide (PFOSA)	40.0	43.3		ng/L		108	50 - 150
Perfluorooctanesulfonic acid (PFOS)	37.1	37.5		ng/L		101	70 - 130
Perfluorooctanoic acid (PFOA)	40.0	41.5		ng/L		104	70 - 130
Perfluoropentanoic acid (PFPeA)	40.0	40.2		ng/L		101	50 - 150
Perfluorotetradecanoic acid (PFTeA)	40.0	44.4		ng/L		111	70 - 130
Perfluorotridecanoic acid (PFTriA)	40.0	39.1		ng/L		98	70 - 130
Perfluoroundecanoic acid (PFUnA)	40.0	41.1		ng/L		103	70 - 130

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C2 PFDA	*99*		*50 - 150*
13C2 PFDoA	*87*		*50 - 150*
13C2 PFHxA	*111*		*50 - 150*
13C2 PFTeDA	*86*		*50 - 150*
13C2 PFUnA	*95*		*50 - 150*
13C3 PFBS	*105*		*50 - 150*
13C4 PFBA	*113*		*25 - 150*
13C4 PFHpA	*108*		*50 - 150*
13C4 PFOA	*108*		*50 - 150*
13C4 PFOS	*105*		*50 - 150*
13C5 PFNA	*103*		*50 - 150*
13C5 PFPeA	*110*		*25 - 150*
13C8 FOSA	*83*		*25 - 150*
18O2 PFHxS	*107*		*50 - 150*
d3-NMeFOSAA	*92*		*50 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 200-164458/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 164492
Prep Batch: 164458

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
d5-NEtFOSAA	99		50 - 150
M2-6:2 FTS	105		25 - 150
M2-8:2 FTS	105		25 - 150

Lab Sample ID: 480-181441-8 MS
Client Sample ID: MW-2S-022321
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 164492
Prep Batch: 164458

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		32.3	25.2		ng/L		78	40 - 160
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		32.0	29.4		ng/L		92	40 - 160
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		33.7	31.9		ng/L		95	40 - 160
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		33.7	33.8		ng/L		100	40 - 160
Perfluorobutanesulfonic acid (PFBS)	ND		29.8	30.7		ng/L		103	40 - 160
Perfluorobutanoic acid (PFBA)	2.7	J	33.7	35.9		ng/L		98	40 - 160
Perfluorodecanesulfonic acid (PFDS)	ND		32.5	29.9		ng/L		92	40 - 160
Perfluorodecanoic acid (PFDA)	ND		33.7	32.9		ng/L		97	40 - 160
Perfluorododecanoic acid (PFDoA)	ND		33.7	32.2		ng/L		96	40 - 160
Perfluoroheptanesulfonic Acid (PFHpS)	ND		32.1	33.5		ng/L		104	40 - 160
Perfluoroheptanoic acid (PFHpA)	ND		33.7	34.4		ng/L		102	40 - 160
Perfluorohexanesulfonic acid (PFHxS)	ND		30.7	30.1		ng/L		98	40 - 160
Perfluorohexanoic acid (PFHxA)	ND		33.7	34.5		ng/L		102	40 - 160
Perfluorononanoic acid (PFNA)	ND		33.7	34.5		ng/L		102	40 - 160
Perfluorooctanesulfonamide (PFOSA)	ND		33.7	34.6		ng/L		103	40 - 160
Perfluorooctanesulfonic acid (PFOS)	ND		31.3	31.5		ng/L		101	40 - 160
Perfluorooctanoic acid (PFOA)	ND		33.7	34.8		ng/L		103	40 - 160
Perfluoropentanoic acid (PFPeA)	ND		33.7	34.0		ng/L		101	40 - 160
Perfluorotetradecanoic acid (PFTeA)	ND		33.7	37.7		ng/L		112	40 - 160
Perfluorotridecanoic acid (PFTriA)	ND		33.7	34.3		ng/L		102	40 - 160
Perfluoroundecanoic acid (PFUnA)	ND		33.7	36.2		ng/L		107	40 - 160

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C2 PFDA	98		50 - 150
13C2 PFDoA	84		50 - 150
13C2 PFHxA	110		50 - 150
13C2 PFTeDA	78		50 - 150
13C2 PFUnA	86		50 - 150
13C3 PFBS	101		50 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 480-181441-8 MS
Matrix: Water
Analysis Batch: 164492

Client Sample ID: MW-2S-022321
Prep Type: Total/NA
Prep Batch: 164458

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFBA	92		25 - 150
13C4 PFHpA	108		50 - 150
13C4 PFOA	106		50 - 150
13C4 PFOS	104		50 - 150
13C5 PFNA	101		50 - 150
13C5 PFPeA	103		25 - 150
13C8 FOSA	93		25 - 150
18O2 PFHxS	104		50 - 150
d3-NMeFOSAA	86		50 - 150
d5-NEtFOSAA	89		50 - 150
M2-6:2 FTS	109		25 - 150
M2-8:2 FTS	98		25 - 150

Lab Sample ID: 480-181441-8 MSD
Matrix: Water
Analysis Batch: 164492

Client Sample ID: MW-2S-022321
Prep Type: Total/NA
Prep Batch: 164458

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		32.3	28.0		ng/L		87	40 - 160	11	30
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		31.9	28.1		ng/L		88	40 - 160	4	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		33.7	33.5		ng/L		100	40 - 160	5	20
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		33.7	37.7		ng/L		112	40 - 160	11	20
Perfluorobutanesulfonic acid (PFBS)	ND		29.8	31.1		ng/L		104	40 - 160	1	20
Perfluorobutanoic acid (PFBA)	2.7	J	33.7	35.3		ng/L		97	40 - 160	2	30
Perfluorodecanesulfonic acid (PFDS)	ND		32.5	32.3		ng/L		100	40 - 160	8	30
Perfluorodecanoic acid (PFDA)	ND		33.7	33.5		ng/L		100	40 - 160	2	20
Perfluorododecanoic acid (PFDoA)	ND		33.7	33.3		ng/L		99	40 - 160	3	20
Perfluoroheptanesulfonic Acid (PFHpS)	ND		32.1	33.8		ng/L		106	40 - 160	1	30
Perfluoroheptanoic acid (PFHpA)	ND		33.7	33.5		ng/L		99	40 - 160	3	20
Perfluorohexanesulfonic acid (PFHxS)	ND		30.6	29.5		ng/L		96	40 - 160	2	20
Perfluorohexanoic acid (PFHxA)	ND		33.7	34.2		ng/L		102	40 - 160	1	20
Perfluorononanoic acid (PFNA)	ND		33.7	35.6		ng/L		106	40 - 160	3	20
Perfluorooctanesulfonamide (PFOSA)	ND		33.7	34.4		ng/L		102	40 - 160	1	30
Perfluorooctanesulfonic acid (PFOS)	ND		31.2	31.3		ng/L		100	40 - 160	1	20
Perfluorooctanoic acid (PFOA)	ND		33.7	36.3		ng/L		108	40 - 160	4	20
Perfluoropentanoic acid (PFPeA)	ND		33.7	34.6		ng/L		103	40 - 160	2	30
Perfluorotetradecanoic acid (PFTeA)	ND		33.7	39.8		ng/L		118	40 - 160	5	20
Perfluorotridecanoic acid (PFTriA)	ND		33.7	33.2		ng/L		99	40 - 160	3	20

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 480-181441-8 MSD
Client Sample ID: MW-2S-022321
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 164492
Prep Batch: 164458

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluoroundecanoic acid (PFUnA)	ND		33.7	38.5		ng/L		114	40 - 160	6	20

Isotope Dilution	*MSD %Recovery*	*MSD Qualifier*	*Limits*
13C2 PFDA	*96*		*50 - 150*
13C2 PFDoA	*85*		*50 - 150*
13C2 PFHxA	*112*		*50 - 150*
13C2 PFTeDA	*81*		*50 - 150*
13C2 PFUnA	*88*		*50 - 150*
13C3 PFBS	*103*		*50 - 150*
13C4 PFBA	*95*		*25 - 150*
13C4 PFHpA	*113*		*50 - 150*
13C4 PFOA	*106*		*50 - 150*
13C4 PFOS	*108*		*50 - 150*
13C5 PFNA	*100*		*50 - 150*
13C5 PFPeA	*107*		*25 - 150*
13C8 FOSA	*98*		*25 - 150*
18O2 PFHxS	*111*		*50 - 150*
d3-NMeFOSAA	*88*		*50 - 150*
d5-NEtFOSAA	*94*		*50 - 150*
M2-6:2 FTS	*108*		*25 - 150*
M2-8:2 FTS	*104*		*25 - 150*

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 480-571094/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 571255
Prep Batch: 571094

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		03/02/21 21:41	03/03/21 18:47	1

Lab Sample ID: LCS 480-571094/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 571255
Prep Batch: 571094

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.400	0.399		mg/L		100	90 - 110

Lab Sample ID: LCS 480-571094/3-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 571255
Prep Batch: 571094

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.257		mg/L		103	90 - 110

Method: 9012B - Cyanide, Total andor Amenable (Continued)

Lab Sample ID: 480-181441-6 MS
Matrix: Water
Analysis Batch: 571255

Client Sample ID: DUP-1-022321
Prep Type: Total/NA
Prep Batch: 571094

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total	ND		0.100	0.0918		mg/L		92	90 - 110		

Lab Sample ID: MB 480-571095/1-A
Matrix: Water
Analysis Batch: 571259

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 571095

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		03/02/21 21:51	03/03/21 19:47	1

Lab Sample ID: LCS 480-571095/2-A
Matrix: Water
Analysis Batch: 571259

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 571095

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total			0.250	0.256		mg/L		102	90 - 110		

Lab Sample ID: 480-181441-8 MS
Matrix: Water
Analysis Batch: 571259

Client Sample ID: MW-2S-022321
Prep Type: Total/NA
Prep Batch: 571095

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total	0.088		0.100	0.196		mg/L		109	90 - 110		

Lab Sample ID: 480-181441-8 MSD
Matrix: Water
Analysis Batch: 571259

Client Sample ID: MW-2S-022321
Prep Type: Total/NA
Prep Batch: 571095

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	0.088		0.100	0.192		mg/L		105	90 - 110	2	15

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

LCMS

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

GC/MS VOA

Analysis Batch: 570785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-181441-1	MW-6D-022221	Total/NA	Water	8260C	
480-181441-2	MW5S-022221	Total/NA	Water	8260C	
480-181441-3	MW-5D-022221	Total/NA	Water	8260C	
480-181441-4	MW-3D-022321	Total/NA	Water	8260C	
480-181441-5	MW-3S-022321	Total/NA	Water	8260C	
480-181441-6	DUP-1-022321	Total/NA	Water	8260C	
480-181441-7	MW-1S-022221	Total/NA	Water	8260C	
480-181441-8	MW-2S-022321	Total/NA	Water	8260C	
480-181441-9	MW-2D-022321	Total/NA	Water	8260C	
480-181441-10	MW-4S-022221	Total/NA	Water	8260C	
480-181441-11	MW-6S-022221	Total/NA	Water	8260C	
480-181441-12	TMW-2D-022421	Total/NA	Water	8260C	
MB 480-570785/7	Method Blank	Total/NA	Water	8260C	
LCS 480-570785/5	Lab Control Sample	Total/NA	Water	8260C	
480-181441-8 MS	MW-2S-022321	Total/NA	Water	8260C	
480-181441-8 MSD	MW-2S-022321	Total/NA	Water	8260C	

Analysis Batch: 570843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-181441-14	TRIP BLANK	Total/NA	Water	8260C	
MB 480-570843/8	Method Blank	Total/NA	Water	8260C	
LCS 480-570843/6	Lab Control Sample	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 570715

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-181441-1	MW-6D-022221	Total/NA	Water	3510C	
480-181441-2	MW5S-022221	Total/NA	Water	3510C	
480-181441-3	MW-5D-022221	Total/NA	Water	3510C	
480-181441-4	MW-3D-022321	Total/NA	Water	3510C	
480-181441-5	MW-3S-022321	Total/NA	Water	3510C	
480-181441-6	DUP-1-022321	Total/NA	Water	3510C	
480-181441-7	MW-1S-022221	Total/NA	Water	3510C	
480-181441-8	MW-2S-022321	Total/NA	Water	3510C	
480-181441-9	MW-2D-022321	Total/NA	Water	3510C	
480-181441-10	MW-4S-022221	Total/NA	Water	3510C	
480-181441-11	MW-6S-022221	Total/NA	Water	3510C	
480-181441-12	TMW-2D-022421	Total/NA	Water	3510C	
MB 480-570715/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-570715/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-181441-8 MS	MW-2S-022321	Total/NA	Water	3510C	
480-181441-8 MSD	MW-2S-022321	Total/NA	Water	3510C	

Analysis Batch: 570863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-181441-1	MW-6D-022221	Total/NA	Water	8270D	570715
480-181441-2	MW5S-022221	Total/NA	Water	8270D	570715
480-181441-8	MW-2S-022321	Total/NA	Water	8270D	570715
MB 480-570715/1-A	Method Blank	Total/NA	Water	8270D	570715
LCS 480-570715/2-A	Lab Control Sample	Total/NA	Water	8270D	570715

GC/MS Semi VOA (Continued)

Analysis Batch: 570863 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-181441-8 MS	MW-2S-022321	Total/NA	Water	8270D	570715
480-181441-8 MSD	MW-2S-022321	Total/NA	Water	8270D	570715

Analysis Batch: 571002

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-181441-3	MW-5D-022221	Total/NA	Water	8270D	570715
480-181441-4	MW-3D-022321	Total/NA	Water	8270D	570715
480-181441-5	MW-3S-022321	Total/NA	Water	8270D	570715
480-181441-6	DUP-1-022321	Total/NA	Water	8270D	570715
480-181441-7	MW-1S-022221	Total/NA	Water	8270D	570715
480-181441-9	MW-2D-022321	Total/NA	Water	8270D	570715
480-181441-10	MW-4S-022221	Total/NA	Water	8270D	570715
480-181441-11	MW-6S-022221	Total/NA	Water	8270D	570715
480-181441-12	TMW-2D-022421	Total/NA	Water	8270D	570715

LCMS

Prep Batch: 164458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-181441-1	MW-6D-022221	Total/NA	Water	3535	
480-181441-2	MW5S-022221	Total/NA	Water	3535	
480-181441-3	MW-5D-022221	Total/NA	Water	3535	
480-181441-4	MW-3D-022321	Total/NA	Water	3535	
480-181441-5	MW-3S-022321	Total/NA	Water	3535	
480-181441-6	DUP-1-022321	Total/NA	Water	3535	
480-181441-7	MW-1S-022221	Total/NA	Water	3535	
480-181441-8	MW-2S-022321	Total/NA	Water	3535	
480-181441-9	MW-2D-022321	Total/NA	Water	3535	
480-181441-10	MW-4S-022221	Total/NA	Water	3535	
480-181441-11	MW-6S-022221	Total/NA	Water	3535	
480-181441-12	TMW-2D-022421	Total/NA	Water	3535	
480-181441-13	EQUIP BLANK	Total/NA	Water	3535	
MB 200-164458/1-A	Method Blank	Total/NA	Water	3535	
LCS 200-164458/2-A	Lab Control Sample	Total/NA	Water	3535	
480-181441-8 MS	MW-2S-022321	Total/NA	Water	3535	
480-181441-8 MSD	MW-2S-022321	Total/NA	Water	3535	

Analysis Batch: 164492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-181441-1	MW-6D-022221	Total/NA	Water	537 (modified)	164458
480-181441-2	MW5S-022221	Total/NA	Water	537 (modified)	164458
480-181441-3	MW-5D-022221	Total/NA	Water	537 (modified)	164458
480-181441-4	MW-3D-022321	Total/NA	Water	537 (modified)	164458
480-181441-5	MW-3S-022321	Total/NA	Water	537 (modified)	164458
480-181441-6	DUP-1-022321	Total/NA	Water	537 (modified)	164458
480-181441-7	MW-1S-022221	Total/NA	Water	537 (modified)	164458
480-181441-8	MW-2S-022321	Total/NA	Water	537 (modified)	164458
480-181441-9	MW-2D-022321	Total/NA	Water	537 (modified)	164458
480-181441-10	MW-4S-022221	Total/NA	Water	537 (modified)	164458
480-181441-11	MW-6S-022221	Total/NA	Water	537 (modified)	164458
480-181441-12	TMW-2D-022421	Total/NA	Water	537 (modified)	164458

LCMS (Continued)

Analysis Batch: 164492 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-181441-13	EQUIP BLANK	Total/NA	Water	537 (modified)	164458
MB 200-164458/1-A	Method Blank	Total/NA	Water	537 (modified)	164458
LCS 200-164458/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	164458
480-181441-8 MS	MW-2S-022321	Total/NA	Water	537 (modified)	164458
480-181441-8 MSD	MW-2S-022321	Total/NA	Water	537 (modified)	164458

General Chemistry

Prep Batch: 571094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-181441-1	MW-6D-022221	Total/NA	Water	9012B	
480-181441-2	MW5S-022221	Total/NA	Water	9012B	
480-181441-3	MW-5D-022221	Total/NA	Water	9012B	
480-181441-4	MW-3D-022321	Total/NA	Water	9012B	
480-181441-5	MW-3S-022321	Total/NA	Water	9012B	
480-181441-6	DUP-1-022321	Total/NA	Water	9012B	
MB 480-571094/1-A	Method Blank	Total/NA	Water	9012B	
LCS 480-571094/2-A	Lab Control Sample	Total/NA	Water	9012B	
LCS 480-571094/3-A	Lab Control Sample	Total/NA	Water	9012B	
480-181441-6 MS	DUP-1-022321	Total/NA	Water	9012B	

Prep Batch: 571095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-181441-7	MW-1S-022221	Total/NA	Water	9012B	
480-181441-8	MW-2S-022321	Total/NA	Water	9012B	
480-181441-9	MW-2D-022321	Total/NA	Water	9012B	
480-181441-10	MW-4S-022221	Total/NA	Water	9012B	
480-181441-11	MW-6S-022221	Total/NA	Water	9012B	
480-181441-12	TMW-2D-022421	Total/NA	Water	9012B	
MB 480-571095/1-A	Method Blank	Total/NA	Water	9012B	
LCS 480-571095/2-A	Lab Control Sample	Total/NA	Water	9012B	
480-181441-8 MS	MW-2S-022321	Total/NA	Water	9012B	
480-181441-8 MSD	MW-2S-022321	Total/NA	Water	9012B	

Analysis Batch: 571255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-181441-1	MW-6D-022221	Total/NA	Water	9012B	571094
480-181441-2	MW5S-022221	Total/NA	Water	9012B	571094
480-181441-3	MW-5D-022221	Total/NA	Water	9012B	571094
480-181441-4	MW-3D-022321	Total/NA	Water	9012B	571094
480-181441-5	MW-3S-022321	Total/NA	Water	9012B	571094
480-181441-6	DUP-1-022321	Total/NA	Water	9012B	571094
MB 480-571094/1-A	Method Blank	Total/NA	Water	9012B	571094
LCS 480-571094/2-A	Lab Control Sample	Total/NA	Water	9012B	571094
LCS 480-571094/3-A	Lab Control Sample	Total/NA	Water	9012B	571094
480-181441-6 MS	DUP-1-022321	Total/NA	Water	9012B	571094

Analysis Batch: 571259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-181441-7	MW-1S-022221	Total/NA	Water	9012B	571095
480-181441-8	MW-2S-022321	Total/NA	Water	9012B	571095

General Chemistry (Continued)

Analysis Batch: 571259 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-181441-9	MW-2D-022321	Total/NA	Water	9012B	571095
480-181441-10	MW-4S-022221	Total/NA	Water	9012B	571095
480-181441-11	MW-6S-022221	Total/NA	Water	9012B	571095
480-181441-12	TMW-2D-022421	Total/NA	Water	9012B	571095
MB 480-571095/1-A	Method Blank	Total/NA	Water	9012B	571095
LCS 480-571095/2-A	Lab Control Sample	Total/NA	Water	9012B	571095
480-181441-8 MS	MW-2S-022321	Total/NA	Water	9012B	571095
480-181441-8 MSD	MW-2S-022321	Total/NA	Water	9012B	571095

Lab Chronicle

Client: New York State Electric & Gas
Job ID: 480-181441-1
Project/Site: NYSEG - Penn Yan Water St. MGP

Client Sample ID: MW-6D-022221
Lab Sample ID: 480-181441-1
Date Collected: 02/22/21 11:20
Matrix: Water
Date Received: 02/25/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	570785	02/27/21 13:06	CDC	TAL BUF
Total/NA	Prep	3510C			570715	02/26/21 09:50	JMP	TAL BUF
Total/NA	Analysis	8270D		1	570863	03/01/21 19:14	JMM	TAL BUF
Total/NA	Prep	3535			164458	03/03/21 08:24	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	164492	03/03/21 20:04	ND	TAL BUR
Total/NA	Prep	9012B			571094	03/02/21 21:41	ALT	TAL BUF
Total/NA	Analysis	9012B		1	571255	03/03/21 19:13	ALT	TAL BUF

Client Sample ID: MW5S-022221
Lab Sample ID: 480-181441-2
Date Collected: 02/22/21 11:50
Matrix: Water
Date Received: 02/25/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	570785	02/27/21 13:31	CDC	TAL BUF
Total/NA	Prep	3510C			570715	02/26/21 09:50	JMP	TAL BUF
Total/NA	Analysis	8270D		1	570863	03/01/21 19:44	JMM	TAL BUF
Total/NA	Prep	3535			164458	03/03/21 08:24	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	164492	03/03/21 20:12	ND	TAL BUR
Total/NA	Prep	9012B			571094	03/02/21 21:41	ALT	TAL BUF
Total/NA	Analysis	9012B		1	571255	03/03/21 19:14	ALT	TAL BUF

Client Sample ID: MW-5D-022221
Lab Sample ID: 480-181441-3
Date Collected: 02/22/21 10:50
Matrix: Water
Date Received: 02/25/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	570785	02/27/21 13:56	CDC	TAL BUF
Total/NA	Prep	3510C			570715	02/26/21 09:50	JMP	TAL BUF
Total/NA	Analysis	8270D		1	571002	03/03/21 13:18	JMM	TAL BUF
Total/NA	Prep	3535			164458	03/03/21 08:24	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	164492	03/03/21 20:21	ND	TAL BUR
Total/NA	Prep	9012B			571094	03/02/21 21:41	ALT	TAL BUF
Total/NA	Analysis	9012B		1	571255	03/03/21 19:16	ALT	TAL BUF

Client Sample ID: MW-3D-022321
Lab Sample ID: 480-181441-4
Date Collected: 02/23/21 14:55
Matrix: Water
Date Received: 02/25/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	570785	02/27/21 14:21	CDC	TAL BUF
Total/NA	Prep	3510C			570715	02/26/21 09:50	JMP	TAL BUF
Total/NA	Analysis	8270D		1	571002	03/03/21 13:48	JMM	TAL BUF
Total/NA	Prep	3535			164458	03/03/21 08:24	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	164492	03/03/21 20:29	ND	TAL BUR

Client Sample ID: MW-3D-022321
Lab Sample ID: 480-181441-4
Date Collected: 02/23/21 14:55
Matrix: Water
Date Received: 02/25/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	9012B			571094	03/02/21 21:41	ALT	TAL BUF
Total/NA	Analysis	9012B		1	571255	03/03/21 19:17	ALT	TAL BUF

Client Sample ID: MW-3S-022321
Lab Sample ID: 480-181441-5
Date Collected: 02/23/21 13:55
Matrix: Water
Date Received: 02/25/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	570785	02/27/21 14:46	CDC	TAL BUF
Total/NA	Prep	3510C			570715	02/26/21 09:50	JMP	TAL BUF
Total/NA	Analysis	8270D		1	571002	03/03/21 14:18	JMM	TAL BUF
Total/NA	Prep	3535			164458	03/03/21 08:24	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	164492	03/03/21 20:37	ND	TAL BUR
Total/NA	Prep	9012B			571094	03/02/21 21:41	ALT	TAL BUF
Total/NA	Analysis	9012B		1	571255	03/03/21 19:19	ALT	TAL BUF

Client Sample ID: DUP-1-022321
Lab Sample ID: 480-181441-6
Date Collected: 02/23/21 14:00
Matrix: Water
Date Received: 02/25/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	570785	02/27/21 15:10	CDC	TAL BUF
Total/NA	Prep	3510C			570715	02/26/21 09:50	JMP	TAL BUF
Total/NA	Analysis	8270D		1	571002	03/03/21 14:47	JMM	TAL BUF
Total/NA	Prep	3535			164458	03/03/21 08:24	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	164492	03/03/21 20:54	ND	TAL BUR
Total/NA	Prep	9012B			571094	03/02/21 21:41	ALT	TAL BUF
Total/NA	Analysis	9012B		1	571255	03/03/21 19:23	ALT	TAL BUF

Client Sample ID: MW-1S-022221
Lab Sample ID: 480-181441-7
Date Collected: 02/22/21 12:45
Matrix: Water
Date Received: 02/25/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	570785	02/27/21 15:35	CDC	TAL BUF
Total/NA	Prep	3510C			570715	02/26/21 09:50	JMP	TAL BUF
Total/NA	Analysis	8270D		1	571002	03/03/21 15:17	JMM	TAL BUF
Total/NA	Prep	3535			164458	03/03/21 08:24	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	164492	03/03/21 21:02	ND	TAL BUR
Total/NA	Prep	9012B			571095	03/02/21 21:51	ALT	TAL BUF
Total/NA	Analysis	9012B		1	571259	03/03/21 19:55	ALT	TAL BUF

Client Sample ID: MW-2S-022321
Lab Sample ID: 480-181441-8
Date Collected: 02/23/21 15:20
Matrix: Water
Date Received: 02/25/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	570785	02/27/21 16:01	CDC	TAL BUF
Total/NA	Prep	3510C			570715	02/26/21 09:50	JMP	TAL BUF
Total/NA	Analysis	8270D		1	570863	03/01/21 16:16	JMM	TAL BUF
Total/NA	Prep	3535			164458	03/03/21 08:24	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	164492	03/03/21 21:10	ND	TAL BUR
Total/NA	Prep	9012B			571095	03/02/21 21:51	ALT	TAL BUF
Total/NA	Analysis	9012B		1	571259	03/03/21 19:51	ALT	TAL BUF

Client Sample ID: MW-2D-022321
Lab Sample ID: 480-181441-9
Date Collected: 02/23/21 16:20
Matrix: Water
Date Received: 02/25/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	570785	02/27/21 16:26	CDC	TAL BUF
Total/NA	Prep	3510C			570715	02/26/21 09:50	JMP	TAL BUF
Total/NA	Analysis	8270D		1	571002	03/03/21 15:47	JMM	TAL BUF
Total/NA	Prep	3535			164458	03/03/21 08:24	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	164492	03/03/21 21:35	ND	TAL BUR
Total/NA	Prep	9012B			571095	03/02/21 21:51	ALT	TAL BUF
Total/NA	Analysis	9012B		1	571259	03/03/21 19:57	ALT	TAL BUF

Client Sample ID: MW-4S-022221
Lab Sample ID: 480-181441-10
Date Collected: 02/22/21 14:20
Matrix: Water
Date Received: 02/25/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	570785	02/27/21 16:51	CDC	TAL BUF
Total/NA	Prep	3510C			570715	02/26/21 09:50	JMP	TAL BUF
Total/NA	Analysis	8270D		1	571002	03/03/21 16:17	JMM	TAL BUF
Total/NA	Prep	3535			164458	03/03/21 08:24	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	164492	03/03/21 21:43	ND	TAL BUR
Total/NA	Prep	9012B			571095	03/02/21 21:51	ALT	TAL BUF
Total/NA	Analysis	9012B		1	571259	03/03/21 19:58	ALT	TAL BUF

Client Sample ID: MW-6S-022221
Lab Sample ID: 480-181441-11
Date Collected: 02/22/21 13:20
Matrix: Water
Date Received: 02/25/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	570785	02/27/21 17:16	CDC	TAL BUF
Total/NA	Prep	3510C			570715	02/26/21 09:50	JMP	TAL BUF
Total/NA	Analysis	8270D		1	571002	03/03/21 16:46	JMM	TAL BUF
Total/NA	Prep	3535			164458	03/03/21 08:24	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	164492	03/03/21 21:52	ND	TAL BUR

Lab Chronicle

Client: New York State Electric & Gas
Job ID: 480-181441-1
Project/Site: NYSEG - Penn Yan Water St. MGP

Client Sample ID: MW-6S-022221
Lab Sample ID: 480-181441-11
Date Collected: 02/22/21 13:20
Matrix: Water
Date Received: 02/25/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	9012B			571095	03/02/21 21:51	ALT	TAL BUF
Total/NA	Analysis	9012B		1	571259	03/03/21 20:00	ALT	TAL BUF

Client Sample ID: TMW-2D-022421
Lab Sample ID: 480-181441-12
Date Collected: 02/24/21 10:20
Matrix: Water
Date Received: 02/25/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	570785	02/27/21 17:41	CDC	TAL BUF
Total/NA	Prep	3510C			570715	02/26/21 09:50	JMP	TAL BUF
Total/NA	Analysis	8270D		1	571002	03/03/21 17:16	JMM	TAL BUF
Total/NA	Prep	3535			164458	03/03/21 08:24	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	164492	03/03/21 22:00	ND	TAL BUR
Total/NA	Prep	9012B			571095	03/02/21 21:51	ALT	TAL BUF
Total/NA	Analysis	9012B		1	571259	03/03/21 20:04	ALT	TAL BUF

Client Sample ID: EQUIP BLANK
Lab Sample ID: 480-181441-13
Date Collected: 02/23/21 13:35
Matrix: Water
Date Received: 02/25/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			164458	03/03/21 08:24	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	164492	03/03/21 22:08	ND	TAL BUR

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-181441-14
Date Collected: 02/24/21 00:00
Matrix: Water
Date Received: 02/25/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	570843	03/01/21 12:23	AMM	TAL BUF

Laboratory References:

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

TAL BUR = Eurofins TestAmerica, Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Accreditation/Certification Summary

Client: New York State Electric & Gas
Job ID: 480-181441-1
Project/Site: NYSEG - Penn Yan Water St. MGP

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-21

Laboratory: Eurofins TestAmerica, Burlington

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10391	04-01-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
537 (modified)	3535	Water	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)
537 (modified)	3535	Water	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)
537 (modified)	3535	Water	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)
537 (modified)	3535	Water	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)
537 (modified)	3535	Water	Perfluorobutanesulfonic acid (PFBS)
537 (modified)	3535	Water	Perfluorobutanoic acid (PFBA)
537 (modified)	3535	Water	Perfluorodecanesulfonic acid (PFDS)
537 (modified)	3535	Water	Perfluorodecanoic acid (PFDA)
537 (modified)	3535	Water	Perfluorododecanoic acid (PFDoA)
537 (modified)	3535	Water	Perfluoroheptanesulfonic Acid (PFHpS)
537 (modified)	3535	Water	Perfluoroheptanoic acid (PFHpA)
537 (modified)	3535	Water	Perfluorohexanesulfonic acid (PFHxS)
537 (modified)	3535	Water	Perfluorohexanoic acid (PFHxA)
537 (modified)	3535	Water	Perfluorononanoic acid (PFNA)
537 (modified)	3535	Water	Perfluorooctanesulfonamide (PFOSA)
537 (modified)	3535	Water	Perfluorooctanesulfonic acid (PFOS)
537 (modified)	3535	Water	Perfluorooctanoic acid (PFOA)
537 (modified)	3535	Water	Perfluoropentanoic acid (PFPeA)
537 (modified)	3535	Water	Perfluorotetradecanoic acid (PFTeA)
537 (modified)	3535	Water	Perfluorotridecanoic acid (PFTriA)
537 (modified)	3535	Water	Perfluoroundecanoic acid (PFUnA)

Method 8260C

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Matrix: Water Level: Low

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

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
MW-6D-022221	480-181441-1	106	102	98	98
MW5S-022221	480-181441-2	103	101	98	98
MW-5D-022221	480-181441-3	107	106	102	106
MW-3D-022321	480-181441-4	106	103	98	95
MW-3S-022321	480-181441-5	103	103	107	107
DUP-1-022321	480-181441-6	106	105	105	106
MW-1S-022221	480-181441-7	105	105	106	105
MW-2S-022321	480-181441-8	104	104	100	98
MW-2D-022321	480-181441-9	102	101	99	98
MW-4S-022221	480-181441-10	106	105	99	99
MW-6S-022221	480-181441-11	109	107	98	96
TMW-2D-022421	480-181441-12	109	106	100	104
TRIP BLANK	480-181441-14	103	103	96	105
	MB 480-570785/7	105	104	108	107
	MB 480-570843/8	102	101	95	99
	LCS 480-570785/5	105	99	102	101
	LCS 480-570843/6	96	97	91	102
MW-2S-022321 MS	480-181441-8 MS	106	101	102	101
MW-2S-022321 MSD	480-181441-8 MSD	103	100	100	100

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	75-123
DCA = 1,2-Dichloroethane-d4 (Surr)	77-120
TOL = Toluene-d8 (Surr)	80-120
BFB = 4-Bromofluorobenzene (Surr)	73-120

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Matrix: Water Level: Low Lab File ID: C4284.D

Lab ID: LCS 480-570785/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Benzene	25.0	25.2	101	71-124	
Ethylbenzene	25.0	25.2	101	77-123	
Toluene	25.0	25.8	103	80-122	
Xylenes, Total	50.0	51.3	103	76-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Matrix: Water Level: Low Lab File ID: N9214.D

Lab ID: LCS 480-570843/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Benzene	25.0	27.8	111	71-124	
Ethylbenzene	25.0	26.6	106	77-123	
Toluene	25.0	26.3	105	80-122	
Xylenes, Total	50.0	52.5	105	76-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Matrix: Water Level: Low Lab File ID: C4307.D

Lab ID: 480-181441-8 MS Client ID: MW-2S-022321 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Benzene	25.0	ND	27.1	108	71-124	
Ethylbenzene	25.0	ND	27.3	109	77-123	
Toluene	25.0	ND	27.6	111	80-122	
Xylenes, Total	50.0	ND	55.0	110	76-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Matrix: Water Level: Low Lab File ID: C4308.D

Lab ID: 480-181441-8 MSD Client ID: MW-2S-022321 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Benzene	25.0	23.1	92	16	13	71-124	F2
Ethylbenzene	25.0	24.2	97	12	15	77-123	
Toluene	25.0	23.9	96	14	15	80-122	
Xylenes, Total	50.0	48.3	97	13	16	76-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Lab File ID: C4286.D Lab Sample ID: MB 480-570785/7

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: HP5973C Date Analyzed: 02/27/2021 10:55

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

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-570785/5	C4284.D	02/27/2021 10:06
MW-6D-022221	480-181441-1	C4291.D	02/27/2021 13:06
MW5S-022221	480-181441-2	C4292.D	02/27/2021 13:31
MW-5D-022221	480-181441-3	C4293.D	02/27/2021 13:56
MW-3D-022321	480-181441-4	C4294.D	02/27/2021 14:21
MW-3S-022321	480-181441-5	C4295.D	02/27/2021 14:46
DUP-1-022321	480-181441-6	C4296.D	02/27/2021 15:10
MW-1S-022221	480-181441-7	C4297.D	02/27/2021 15:35
MW-2S-022321	480-181441-8	C4298.D	02/27/2021 16:01
MW-2D-022321	480-181441-9	C4299.D	02/27/2021 16:26
MW-4S-022221	480-181441-10	C4300.D	02/27/2021 16:51
MW-6S-022221	480-181441-11	C4301.D	02/27/2021 17:16
TMW-2D-022421	480-181441-12	C4302.D	02/27/2021 17:41
MW-2S-022321 MS	480-181441-8 MS	C4307.D	02/27/2021 19:47
MW-2S-022321 MSD	480-181441-8 MSD	C4308.D	02/27/2021 20:12

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Lab File ID: N9216.D Lab Sample ID: MB 480-570843/8

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: HP5973N Date Analyzed: 03/01/2021 10:40

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

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-570843/6	N9214.D	03/01/2021 09:51
TRIP BLANK	480-181441-14	N9220.D	03/01/2021 12:23

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Lab File ID: C4177.D BFB Injection Date: 02/22/2021

Instrument ID: HP5973C BFB Injection Time: 14:26

Analysis Batch No.: 570211

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.5	
75	30.0 - 60.0 % of mass 95	47.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.9	
173	Less than 2.0 % of mass 174	0.6	(0.8) 1
174	Greater than 50% of mass 95	83.4	
175	5.0 - 9.0 % of mass 174	6.5	(7.8) 1
176	95.0 - 101.0 % of mass 174	81.4	(97.7) 1
177	5.0 - 9.0 % of mass 176	5.6	(6.8) 2

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

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-570211/6	C4178.D	02/22/2021	14:50
	IC 480-570211/7	C4179.D	02/22/2021	15:15
	IC 480-570211/8	C4180.D	02/22/2021	15:40
	IC 480-570211/9	C4181.D	02/22/2021	16:05
	IC 480-570211/10	C4182.D	02/22/2021	16:31
	ICIS 480-570211/11	C4183.D	02/22/2021	16:56
	IC 480-570211/12	C4184.D	02/22/2021	17:22
	IC 480-570211/13	C4185.D	02/22/2021	17:46
	ICV 480-570211/27	C4199.D	02/22/2021	23:34

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Lab File ID: C4281.D BFB Injection Date: 02/27/2021

Instrument ID: HP5973C BFB Injection Time: 08:49

Analysis Batch No.: 570785

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.0	
75	30.0 - 60.0 % of mass 95	48.0	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.1	
173	Less than 2.0 % of mass 174	0.8	(0.9) 1
174	Greater than 50% of mass 95	89.2	
175	5.0 - 9.0 % of mass 174	6.4	(7.1) 1
176	95.0 - 101.0 % of mass 174	85.0	(95.3) 1
177	5.0 - 9.0 % of mass 176	5.8	(6.8) 2

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

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-570785/3	C4282.D	02/27/2021	9:15
	LCS 480-570785/5	C4284.D	02/27/2021	10:06
	MB 480-570785/7	C4286.D	02/27/2021	10:55
MW-6D-022221	480-181441-1	C4291.D	02/27/2021	13:06
MW5S-022221	480-181441-2	C4292.D	02/27/2021	13:31
MW-5D-022221	480-181441-3	C4293.D	02/27/2021	13:56
MW-3D-022321	480-181441-4	C4294.D	02/27/2021	14:21
MW-3S-022321	480-181441-5	C4295.D	02/27/2021	14:46
DUP-1-022321	480-181441-6	C4296.D	02/27/2021	15:10
MW-1S-022221	480-181441-7	C4297.D	02/27/2021	15:35
MW-2S-022321	480-181441-8	C4298.D	02/27/2021	16:01
MW-2D-022321	480-181441-9	C4299.D	02/27/2021	16:26
MW-4S-022221	480-181441-10	C4300.D	02/27/2021	16:51
MW-6S-022221	480-181441-11	C4301.D	02/27/2021	17:16
TMW-2D-022421	480-181441-12	C4302.D	02/27/2021	17:41
MW-2S-022321 MS	480-181441-8 MS	C4307.D	02/27/2021	19:47
MW-2S-022321 MSD	480-181441-8 MSD	C4308.D	02/27/2021	20:12

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Lab File ID: N8847.D BFB Injection Date: 02/09/2021

Instrument ID: HP5973N BFB Injection Time: 14:32

Analysis Batch No.: 568824

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	26.7	
75	30.0 - 60.0 % of mass 95	50.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	76.0	
175	5.0 - 9.0 % of mass 174	5.9	(7.8) 1
176	95.0 - 101.0 % of mass 174	76.7	(100.9) 1
177	5.0 - 9.0 % of mass 176	5.0	(6.5) 2

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

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-568824/5	N8849.D	02/09/2021	15:22
	IC 480-568824/6	N8850.D	02/09/2021	15:46
	IC 480-568824/7	N8851.D	02/09/2021	16:10
	IC 480-568824/8	N8852.D	02/09/2021	16:35
	IC 480-568824/9	N8853.D	02/09/2021	16:59
	ICIS 480-568824/10	N8854.D	02/09/2021	17:23
	IC 480-568824/11	N8855.D	02/09/2021	17:47
	IC 480-568824/12	N8856.D	02/09/2021	18:11
	ICV 480-568824/26	N8870.D	02/09/2021	23:48

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Lab File ID: N9211.D BFB Injection Date: 03/01/2021

Instrument ID: HP5973N BFB Injection Time: 08:34

Analysis Batch No.: 570843

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	29.3	
75	30.0 - 60.0 % of mass 95	49.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	81.0	
175	5.0 - 9.0 % of mass 174	6.7	(8.3) 1
176	95.0 - 101.0 % of mass 174	78.0	(96.2) 1
177	5.0 - 9.0 % of mass 176	4.8	(6.1) 2

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

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-570843/4	N9212.D	03/01/2021	9:03
	LCS 480-570843/6	N9214.D	03/01/2021	9:51
	MB 480-570843/8	N9216.D	03/01/2021	10:40
TRIP BLANK	480-181441-14	N9220.D	03/01/2021	12:23

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Sample No.: ICIS 480-570211/11 Date Analyzed: 02/22/2021 16:56

Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): C4183.D Heated Purge: (Y/N) N

Calibration ID: 41106

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		151866	4.81	280816	7.12	349294	8.99
UPPER LIMIT		303732	5.31	561632	7.62	698588	9.49
LOWER LIMIT		75933	4.31	140408	6.62	174647	8.49
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 480-570211/27		155779	4.81	294144	7.12	332929	8.99
CCVIS 480-570785/3		173518	4.81	314958	7.12	346397	8.99

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

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Sample No.: CCVIS 480-570785/3 Date Analyzed: 02/27/2021 09:15

Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): C4282.D Heated Purge: (Y/N) N

Calibration ID: 41109

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		173518	4.81	314958	7.12	346397	8.99
UPPER LIMIT		347036	5.31	629916	7.62	692794	9.49
LOWER LIMIT		86759	4.31	157479	6.62	173199	8.49
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-570785/5		166310	4.81	315217	7.12	357840	8.99
MB 480-570785/7		159675	4.81	273824	7.12	318606	8.99
480-181441-1	MW-6D-022221	159055	4.81	288457	7.12	350303	8.99
480-181441-2	MW5S-022221	159706	4.81	292863	7.12	346142	8.99
480-181441-3	MW-5D-022221	165220	4.81	303109	7.12	363925	8.99
480-181441-4	MW-3D-022321	161786	4.81	302654	7.12	371733	8.99
480-181441-5	MW-3S-022321	162649	4.81	278985	7.11	333708	8.99
480-181441-6	DUP-1-022321	162218	4.81	291277	7.12	336693	8.99
480-181441-7	MW-1S-022221	157590	4.81	270236	7.12	316318	8.99
480-181441-8	MW-2S-022321	162280	4.81	286828	7.11	352762	8.99
480-181441-9	MW-2D-022321	165823	4.81	289891	7.12	361726	8.99
480-181441-10	MW-4S-022221	160908	4.81	289687	7.12	349907	8.99
480-181441-11	MW-6S-022221	156874	4.81	289539	7.12	355118	8.99
480-181441-12	TMW-2D-022421	154141	4.81	275312	7.12	338737	8.99
480-181441-8 MS	MW-2S-022321 MS	164304	4.81	308256	7.12	343857	8.99
480-181441-8 MSD	MW-2S-022321 MSD	169076	4.81	314334	7.12	362754	8.99

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

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Sample No.: ICIS 480-568824/10 Date Analyzed: 02/09/2021 17:23

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): N8854.D Heated Purge: (Y/N) N

Calibration ID: 41001

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		208858	5.57	723937	8.58	382858	10.96
UPPER LIMIT		417716	6.07	1447874	9.08	765716	11.46
LOWER LIMIT		104429	5.07	361969	8.08	191429	10.46
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 480-568824/26		202104	5.57	714937	8.58	364259	10.96
CCVIS 480-570843/4		182176	5.57	760563	8.58	439084	10.96

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

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Sample No.: CCVIS 480-570843/4 Date Analyzed: 03/01/2021 09:03

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): N9212.D Heated Purge: (Y/N) N

Calibration ID: 41019

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		182176	5.57	760563	8.58	439084	10.96
UPPER LIMIT		364352	6.07	1521126	9.08	878168	11.46
LOWER LIMIT		91088	5.07	380282	8.08	219542	10.46
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-570843/6		179144	5.57	700815	8.58	364907	10.96
MB 480-570843/8		173673	5.57	644133	8.58	346067	10.96
480-181441-14	TRIP BLANK	170221	5.57	641570	8.58	336443	10.96

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

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Client Sample ID: MW-6D-022221 Lab Sample ID: 480-181441-1

Matrix: Water Lab File ID: C4291.D

Analysis Method: 8260C Date Collected: 02/22/2021 11:20

Sample wt/vol: 5(mL) Date Analyzed: 02/27/2021 13:06

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 570785 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.41
100-41-4	Ethylbenzene	ND		1.0	0.74
108-88-3	Toluene	ND		1.0	0.51
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
1868-53-7	Dibromofluoromethane (Surr)	106		75-123
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C4291.D
Lims ID: 480-181441-G-1
Client ID: MW-6D-022221
Sample Type: Client
Inject. Date: 27-Feb-2021 13:06:30 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-181441-g-1
Misc. Info.: 480-0096878-012
Operator ID: OI Instrument ID: HP5973C

Method: \\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 28-Feb-2021 18:51:33 Calib Date: 22-Feb-2021 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4196.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1624

First Level Reviewer: cwiklinc Date: 28-Feb-2021 18:51:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.811	4.811	0.000	99	159055	25.0	
* 2 Chlorobenzene-d5	82	7.122	7.122	0.000	85	288457	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.987	8.987	0.000	94	350303	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.334	4.334	0.000	94	225734	26.4	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.593	4.593	0.000	99	133376	25.6	
$ 5 Toluene-d8 (Surr)	98	5.992	5.992	0.000	93	693624	24.5	
$ 6 4-Bromofluorobenzene (Surr)	174	8.054	8.054	0.000	94	228183	24.5	
57 Benzene	78		4.593				ND	
74 Toluene	92	6.044	6.044	0.000	98	2775	0.1549	
88 Ethylbenzene	91		7.205				ND	U
90 m-Xylene & p-Xylene	106	7.287	7.287	-0.001	94	2084	0.1535	a
91 o-Xylene	106		7.609				ND	
S 124 Xylenes, Total	1				0		0.1535	

QC Flag Legend

Processing Flags
Review Flags
U - Marked Undetected
a - User Assigned ID

Reagents:

C_8260_Surr_00169	Amount Added:	2.00	Units: uL	Run Reagent
C_8260_IS_00152	Amount Added:	2.00	Units: uL	Run Reagent

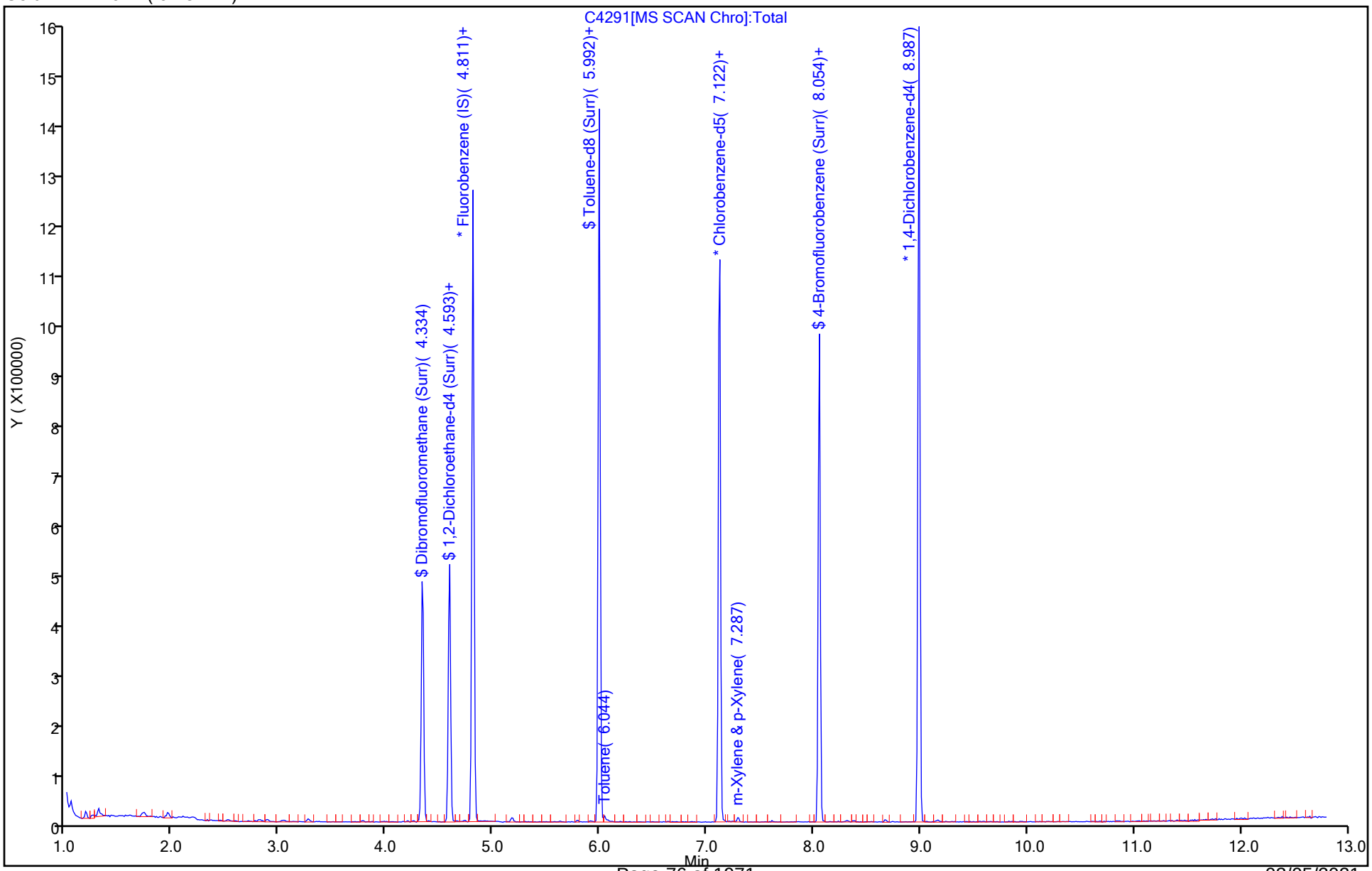
Report Date: 28-Feb-2021 18:51:33 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C4291.D

Injection Date:	27-Feb-2021 13:06:30	Instrument ID:	HP5973C	Operator ID:	OI
Lims ID:	480-181441-G-1	Lab Sample ID:	480-181441-1	Worklist Smp#:	12
Client ID:	MW-6D-022221				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



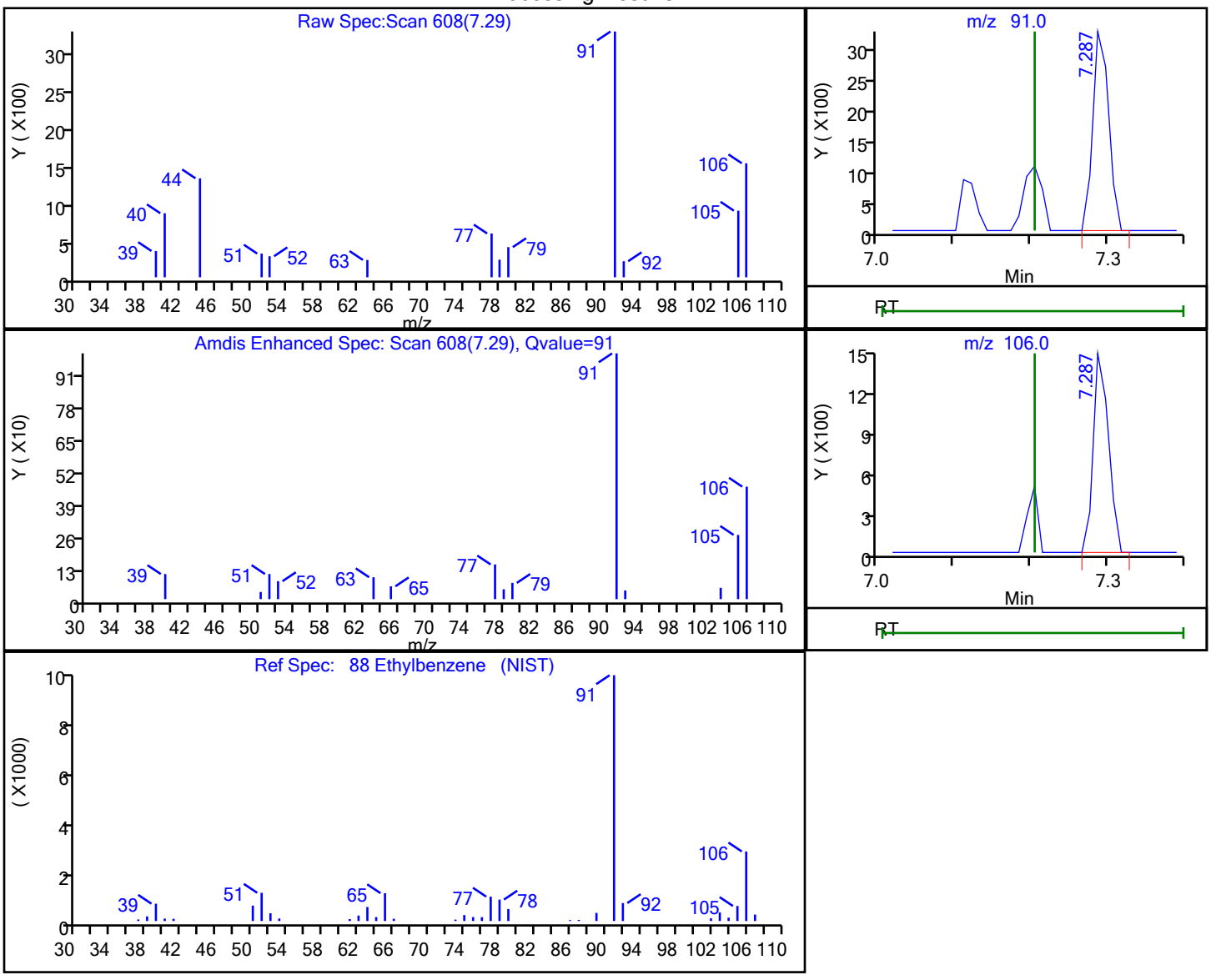
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C4291.D				
Injection Date:	27-Feb-2021 13:06:30	Instrument ID:	HP5973C		
Lims ID:	480-181441-G-1	Lab Sample ID:	480-181441-1		
Client ID:	MW-6D-022221				
Operator ID:	OI	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

88 Ethylbenzene, CAS: 100-41-4

Processing Results



RT	Mass	Response	Amount
7.29	91.00	4685	0.139091
7.29	106.00	2084	

Reviewer: cwiklinc, 28-Feb-2021 18:51:19

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

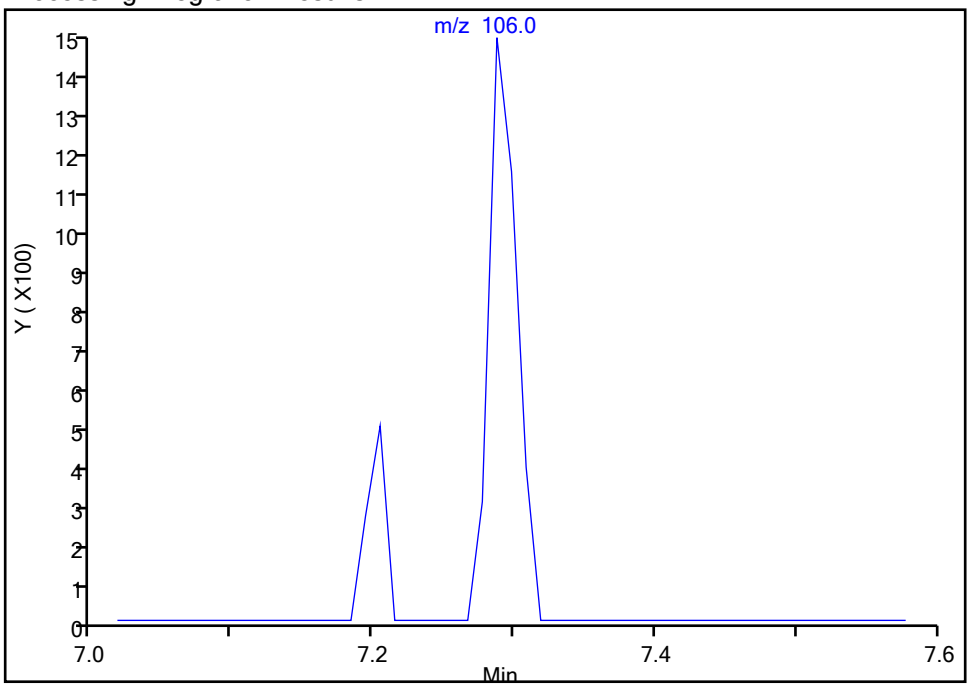
Data File:	\\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C4291.D				
Injection Date:	27-Feb-2021 13:06:30	Instrument ID:	HP5973C		
Lims ID:	480-181441-G-1	Lab Sample ID:	480-181441-1		
Client ID:	MW-6D-022221				
Operator ID:	OI	ALS Bottle#:	12	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

90 m-Xylene & p-Xylene, CAS: 179601-23-1

Signal: 1

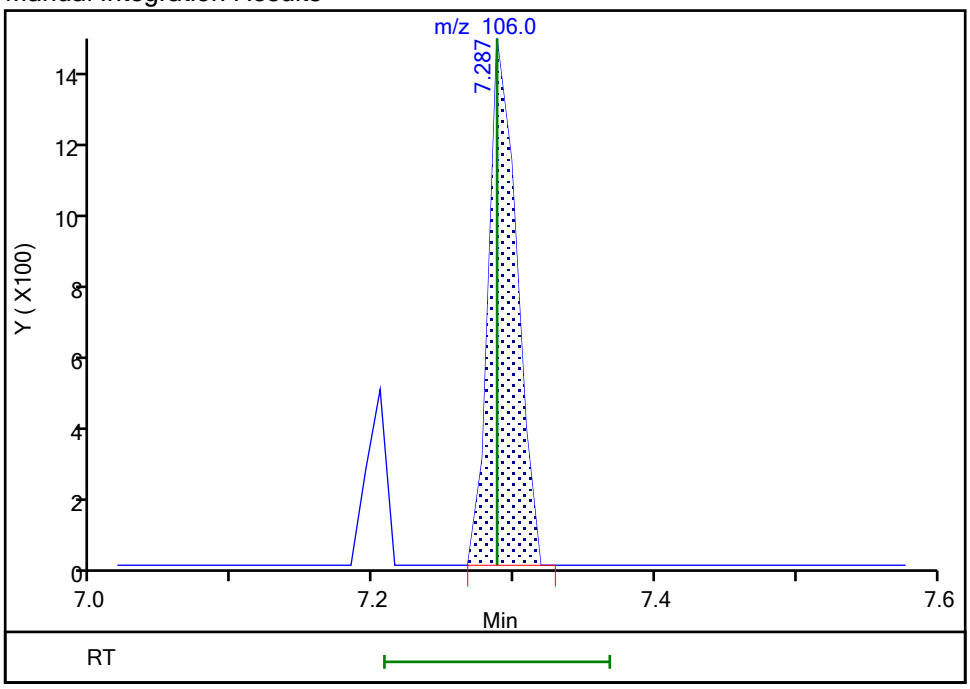
Not Detected
Expected RT: 7.29

Processing Integration Results



Manual Integration Results

RT: 7.29
Area: 2084
Amount: 0.153476
Amount Units: ug/L



Reviewer: cwiklinc, 28-Feb-2021 18:51:26
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Client Sample ID: MW5S-022221 Lab Sample ID: 480-181441-2

Matrix: Water Lab File ID: C4292.D

Analysis Method: 8260C Date Collected: 02/22/2021 11:50

Sample wt/vol: 5(mL) Date Analyzed: 02/27/2021 13:31

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 570785 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	42		1.0	0.41
100-41-4	Ethylbenzene	2.7		1.0	0.74
108-88-3	Toluene	1.1		1.0	0.51
1330-20-7	Xylenes, Total	6.5		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C4292.D				
Lims ID:	480-181441-G-2				
Client ID:	MW5S-022221				
Sample Type:	Client				
Inject. Date:	27-Feb-2021 13:31:30	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	480-181441-g-2				
Misc. Info.:	480-0096878-013				
Operator ID:	OI	Instrument ID:	HP5973C		
Method:	\\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	28-Feb-2021 18:51:33	Calib Date:	22-Feb-2021 22:20:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4196.D				
Column 1 :	ZB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1624				
First Level Reviewer: cwiklinc		Date:	28-Feb-2021 18:51:43		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.811	4.811	0.000	99	159706	25.0	
* 2 Chlorobenzene-d5	82	7.122	7.122	0.000	85	292863	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.987	8.987	0.000	94	346142	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.334	4.334	0.000	93	221726	25.9	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.593	4.593	0.000	49	131930	25.2	
$ 5 Toluene-d8 (Surr)	98	5.992	5.992	0.000	93	705321	24.5	
$ 6 4-Bromofluorobenzene (Surr)	174	8.054	8.054	0.000	95	231910	24.5	
57 Benzene	78	4.593	4.593	0.000	97	1375031	42.4	
74 Toluene	92	6.044	6.044	0.000	97	19993	1.10	
88 Ethylbenzene	91	7.205	7.205	0.000	98	91792	2.68	
90 m-Xylene & p-Xylene	106	7.288	7.287	0.000	97	26587	1.93	
91 o-Xylene	106	7.609	7.609	0.000	97	64985	4.61	
S 124 Xylenes, Total	1				0		6.54	

QC Flag Legend

Processing Flags

Reagents:

C_8260_Surr_00169	Amount Added:	2.00	Units: uL	Run Reagent
C_8260_IS_00152	Amount Added:	2.00	Units: uL	Run Reagent

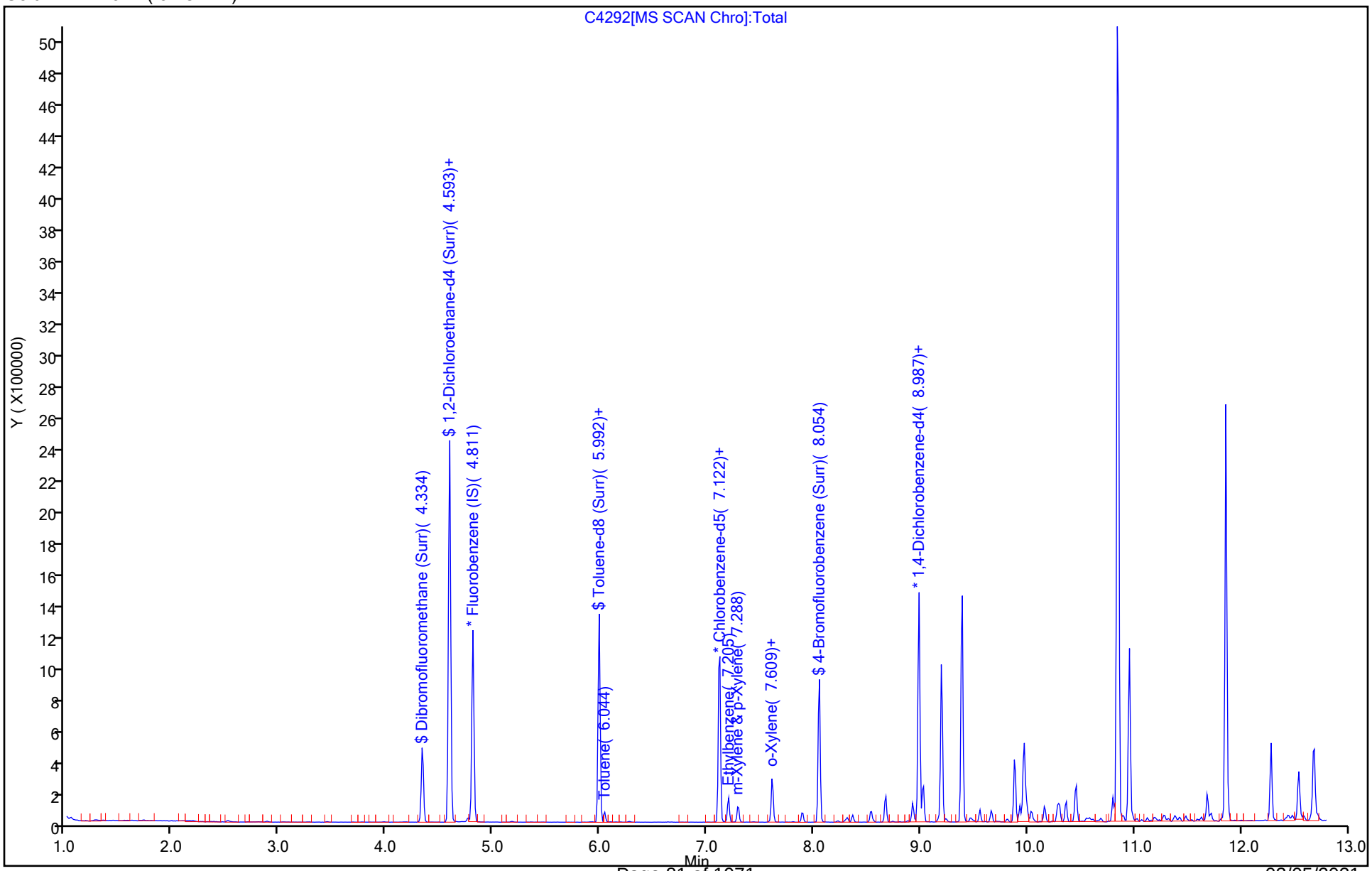
Report Date: 28-Feb-2021 18:51:43 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C4292.D

Injection Date:	27-Feb-2021 13:31:30	Instrument ID:	HP5973C	Operator ID:	OI
Lims ID:	480-181441-G-2	Lab Sample ID:	480-181441-2	Worklist Smp#:	13
Client ID:	MW5S-022221				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

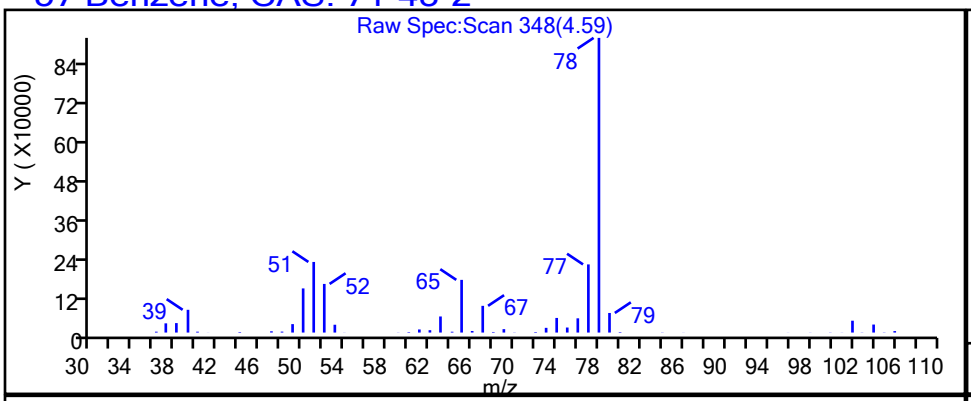
Column: ZB-624 (0.18 mm)

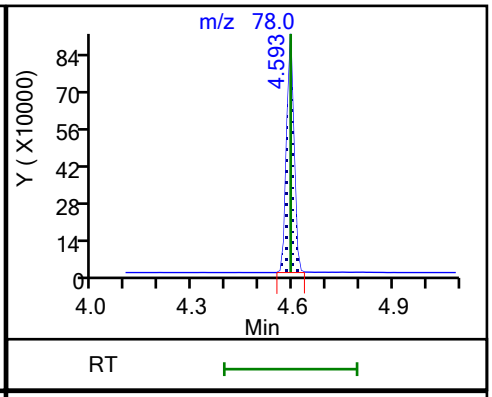


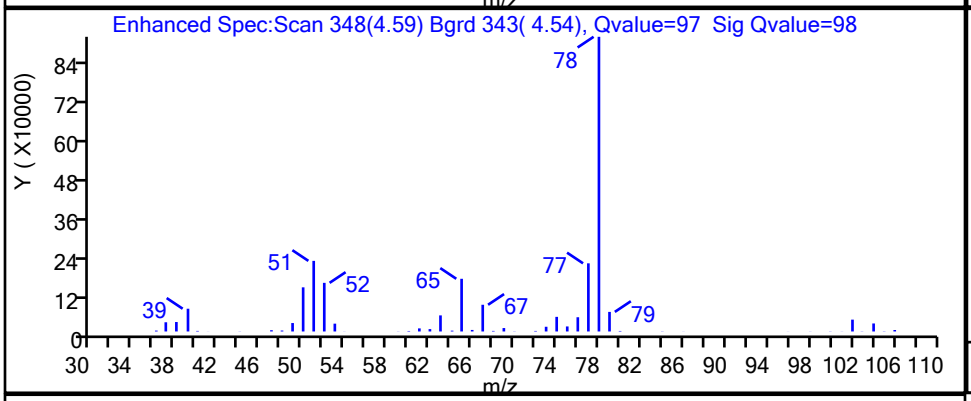
Eurofins TestAmerica, Buffalo

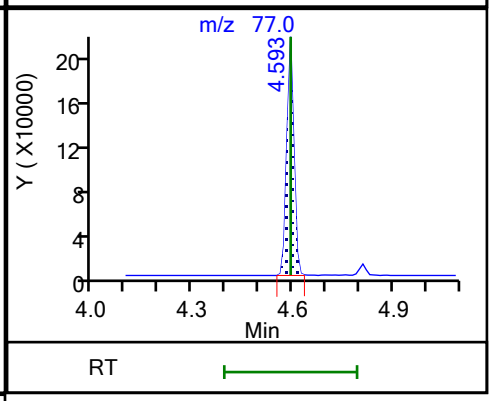
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Injection Date:	27-Feb-2021 13:31:30	Instrument ID:	HP5973C		
Lims ID:	480-181441-G-2	Lab Sample ID:	480-181441-2		
Client ID:	MW5S-022221				
Operator ID:	OI	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

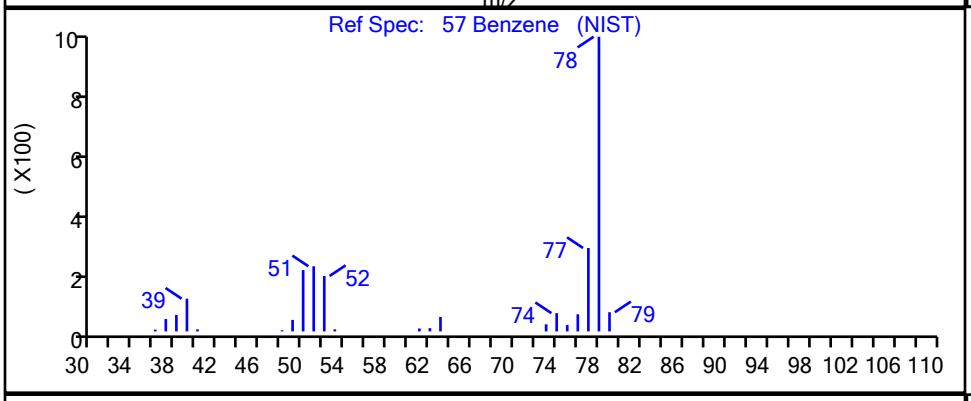
57 Benzene, CAS: 71-43-2

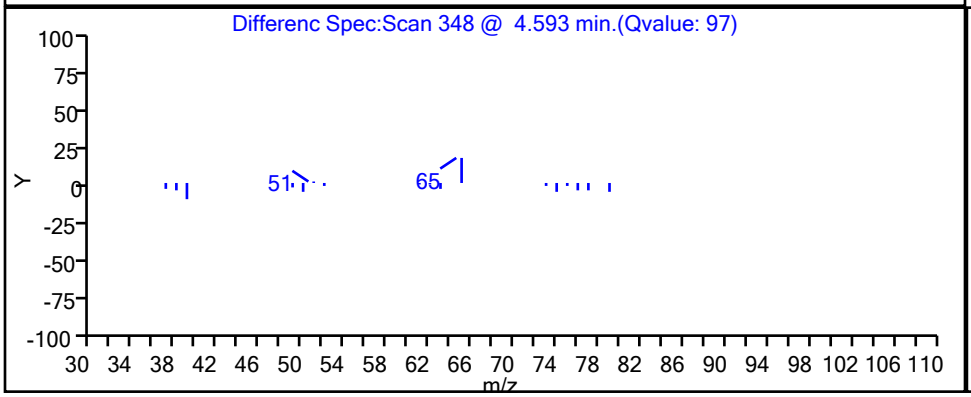


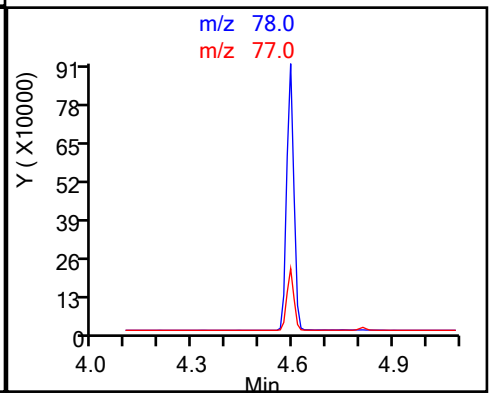








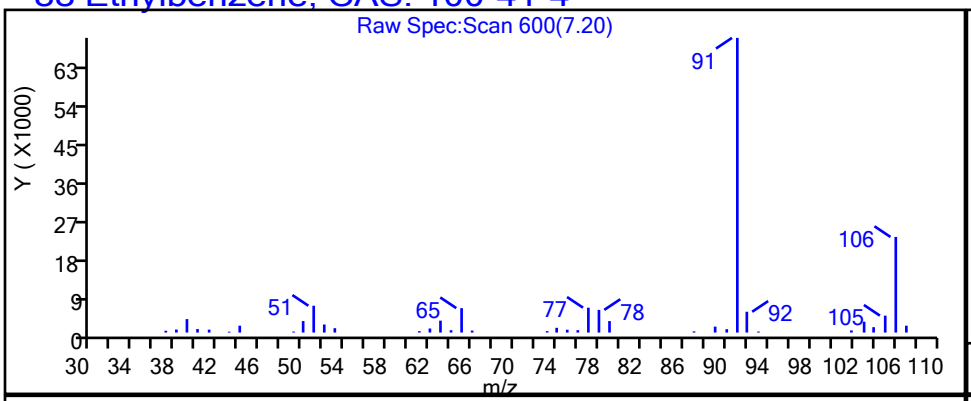


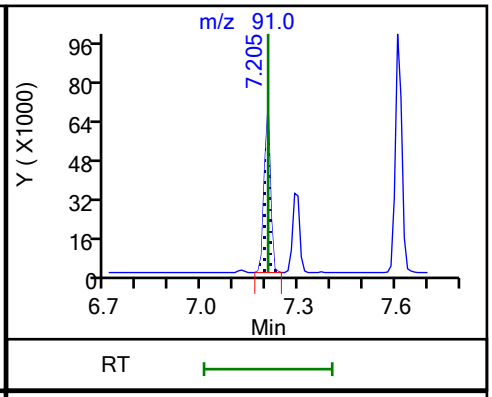


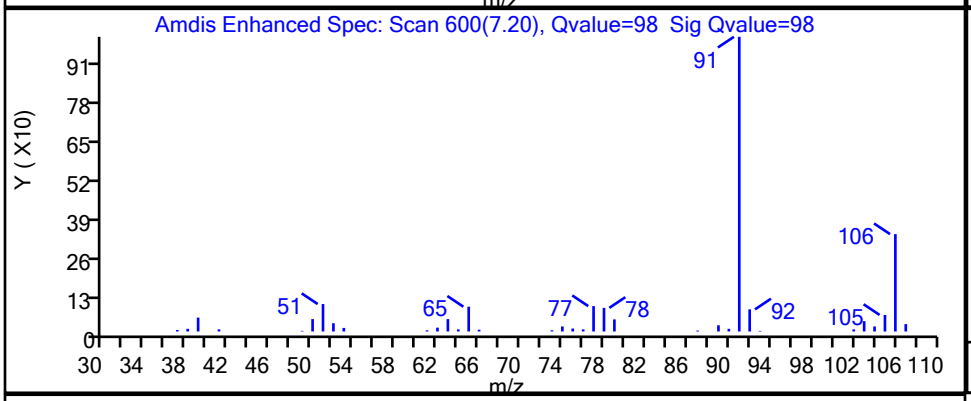
Eurofins TestAmerica, Buffalo

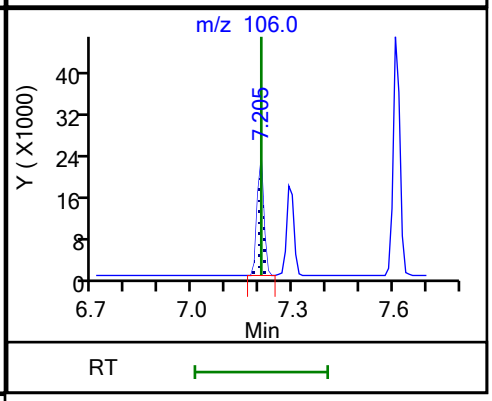
Data File:	\\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C4292.D				
Injection Date:	27-Feb-2021 13:31:30	Instrument ID:	HP5973C		
Lims ID:	480-181441-G-2	Lab Sample ID:	480-181441-2		
Client ID:	MW5S-022221				
Operator ID:	OI	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

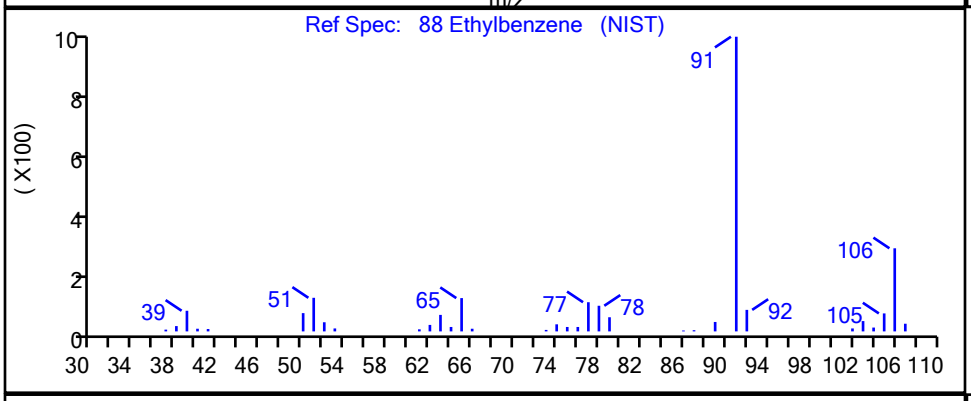
88 Ethylbenzene, CAS: 100-41-4

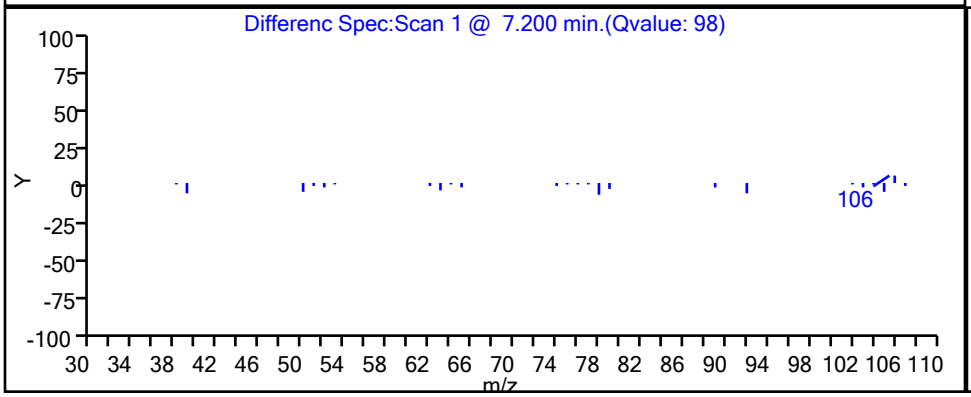


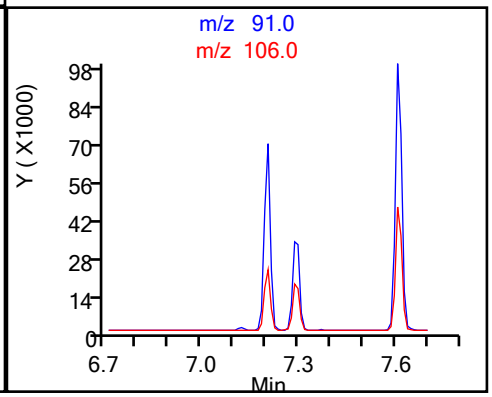








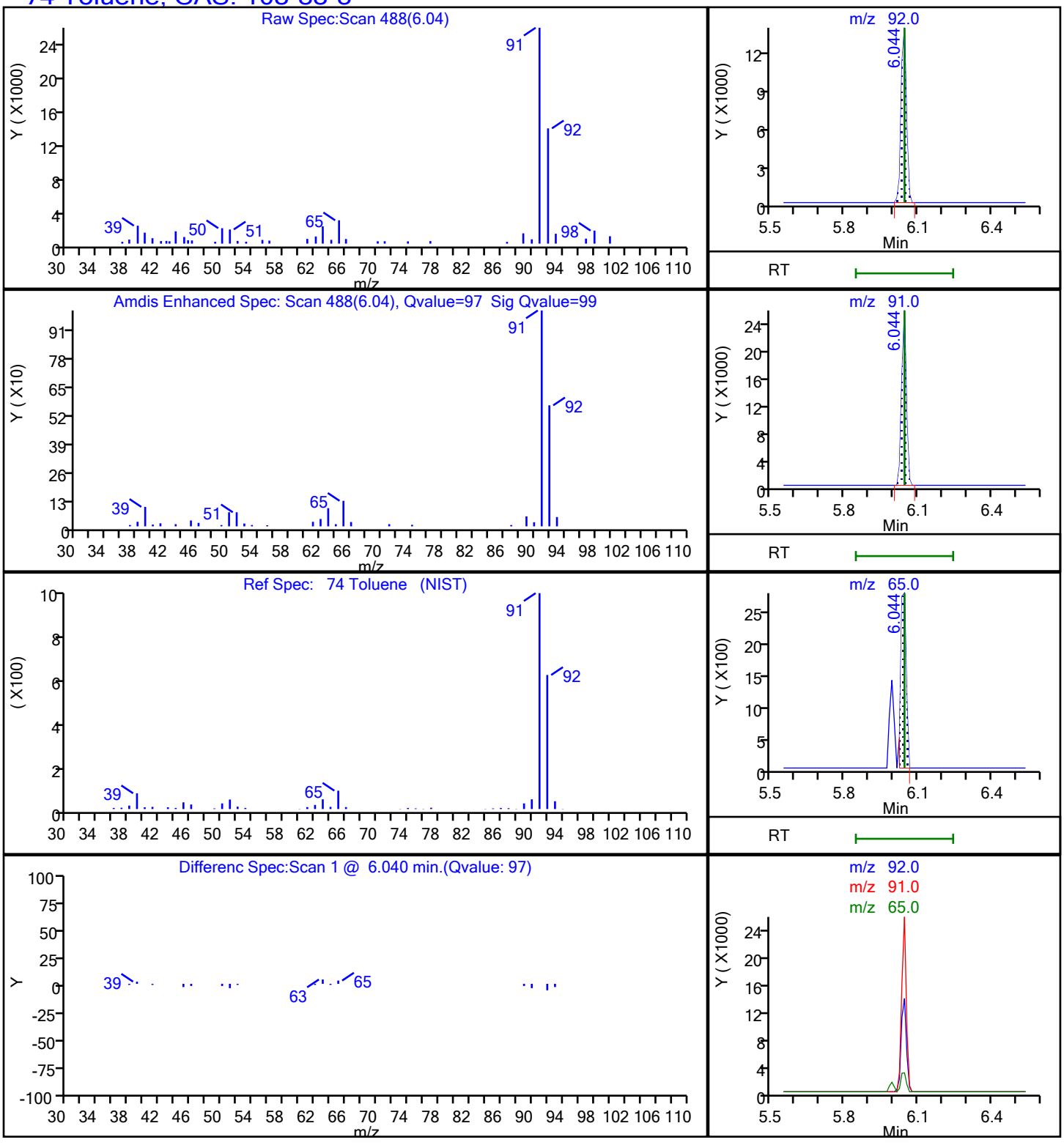




Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C4292.D		
Injection Date:	27-Feb-2021 13:31:30	Instrument ID:	HP5973C
Lims ID:	480-181441-G-2	Lab Sample ID:	480-181441-2
Client ID:	MW5S-022221		
Operator ID:	OI	ALS Bottle#:	13 Worklist Smp#: 13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	C-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN

74 Toluene, CAS: 108-88-3

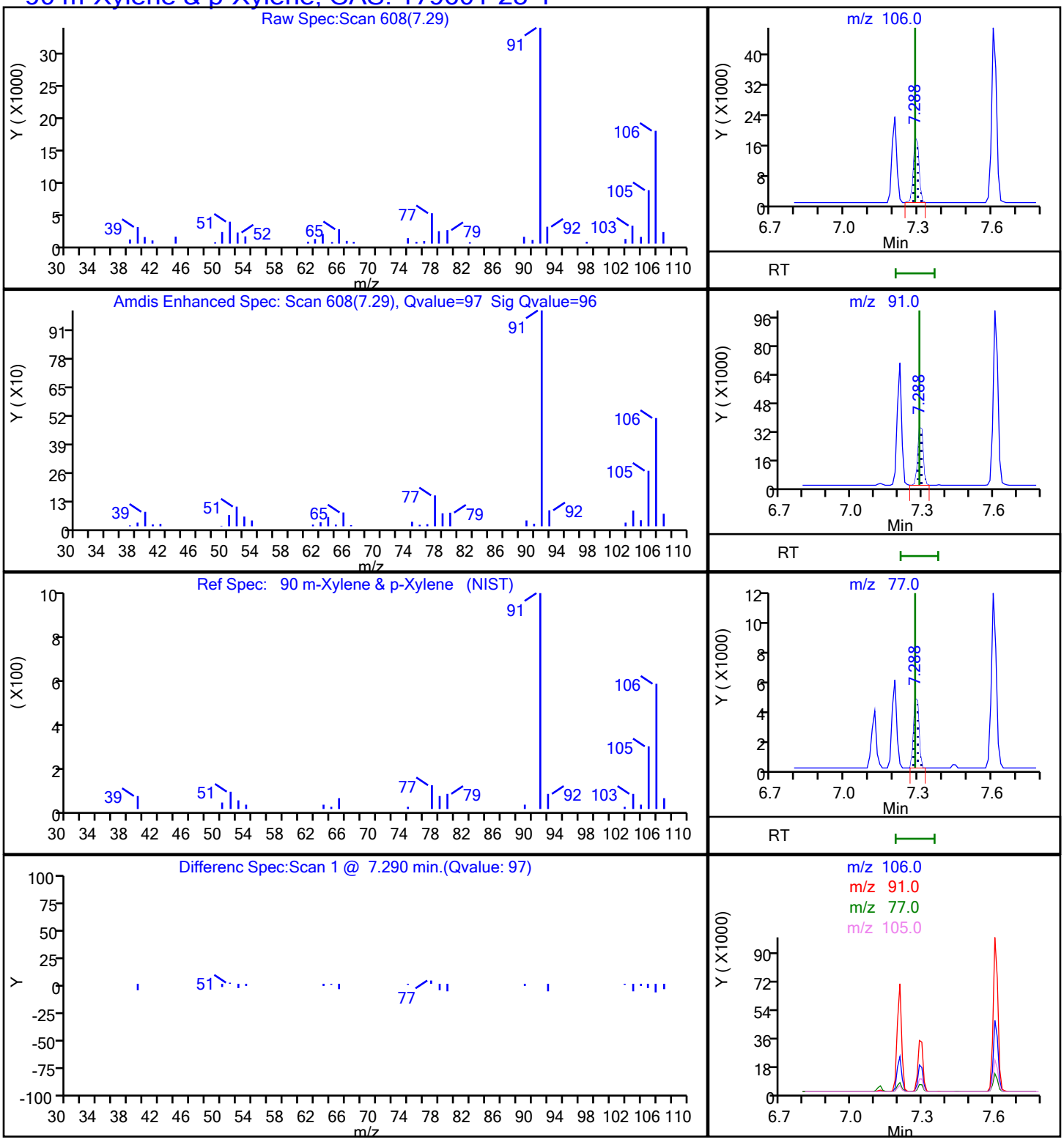


Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C4292.D

Injection Date:	27-Feb-2021 13:31:30	Instrument ID:	HP5973C		
Lims ID:	480-181441-G-2	Lab Sample ID:	480-181441-2		
Client ID:	MW5S-022221				
Operator ID:	OI	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

90 m-Xylene & p-Xylene, CAS: 179601-23-1



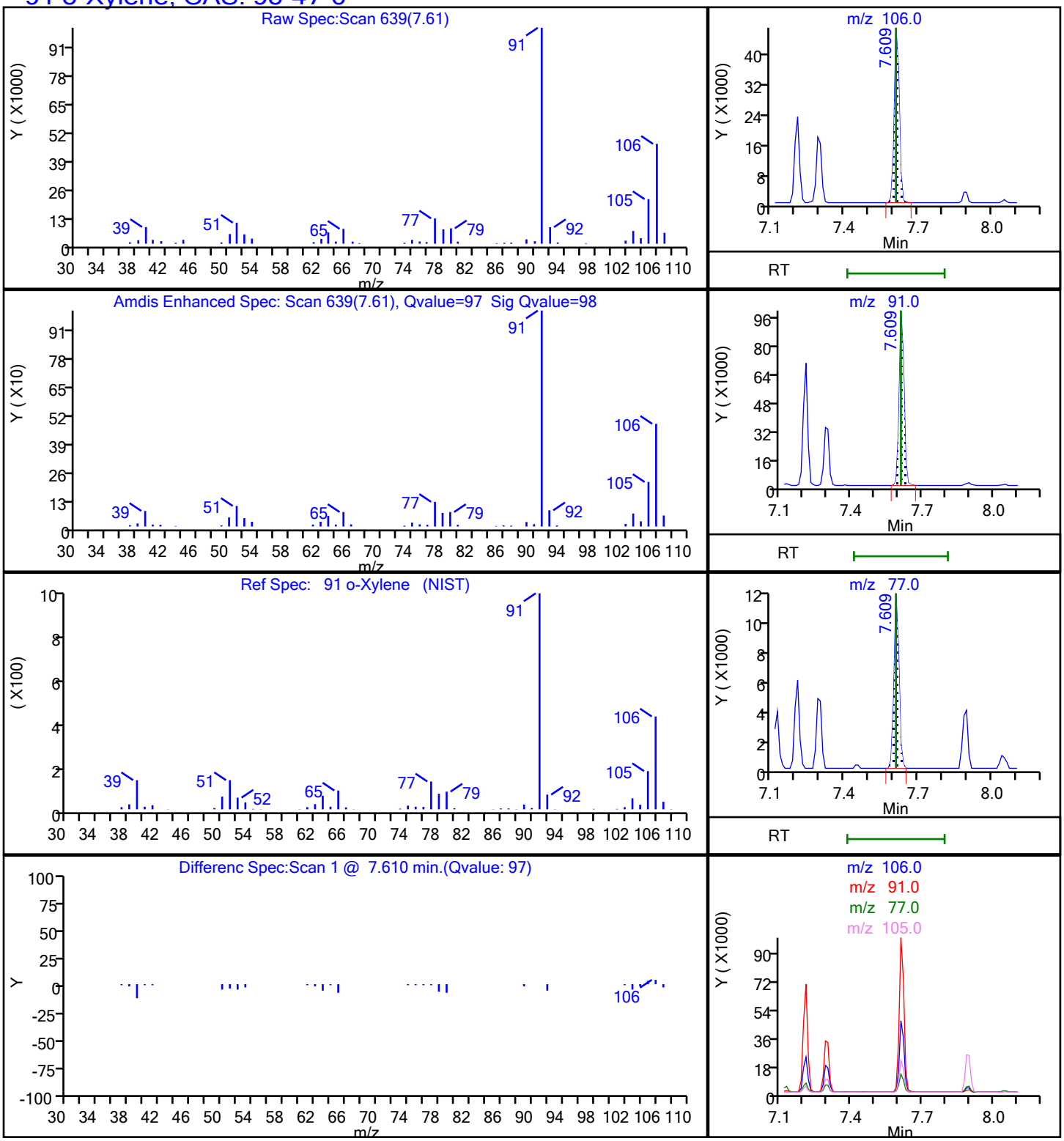
Report Date: 28-Feb-2021 18:51:43 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C4292.D

Injection Date:	27-Feb-2021 13:31:30	Instrument ID:	HP5973C		
Lims ID:	480-181441-G-2	Lab Sample ID:	480-181441-2		
Client ID:	MW5S-022221				
Operator ID:	OI	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

91 o-Xylene, CAS: 95-47-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Client Sample ID: MW-5D-022221 Lab Sample ID: 480-181441-3

Matrix: Water Lab File ID: C4293.D

Analysis Method: 8260C Date Collected: 02/22/2021 10:50

Sample wt/vol: 5(mL) Date Analyzed: 02/27/2021 13:56

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 570785 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.41
100-41-4	Ethylbenzene	ND		1.0	0.74
108-88-3	Toluene	ND		1.0	0.51
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		77-120
460-00-4	4-Bromofluorobenzene (Surr)	106		73-120
1868-53-7	Dibromofluoromethane (Surr)	107		75-123
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C4293.D				
Lims ID:	480-181441-G-3				
Client ID:	MW-5D-022221				
Sample Type:	Client				
Inject. Date:	27-Feb-2021 13:56:30	ALS Bottle#:	14	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	480-181441-g-3				
Misc. Info.:	480-0096878-014				
Operator ID:	OI	Instrument ID:	HP5973C		
Method:	\\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	28-Feb-2021 18:51:33	Calib Date:	22-Feb-2021 22:20:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4196.D				
Column 1 :	ZB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1624				
First Level Reviewer: cwiklinc		Date:	28-Feb-2021 19:21:13		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.811	4.811	0.000	99	165220	25.0	
* 2 Chlorobenzene-d5	82	7.122	7.122	0.000	85	303109	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.987	8.987	0.000	94	363925	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.334	4.334	0.000	93	237613	26.8	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.593	4.593	0.000	99	144048	26.6	
$ 5 Toluene-d8 (Surr)	98	5.992	5.992	0.000	93	762820	25.6	
$ 6 4-Bromofluorobenzene (Surr)	174	8.055	8.054	0.001	94	260211	26.6	
57 Benzene	78		4.593				ND	7
74 Toluene	92		6.044				ND	
88 Ethylbenzene	91		7.205				ND	
90 m-Xylene & p-Xylene	106		7.288				ND	
91 o-Xylene	106		7.609				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

C_8260_Surr_00169	Amount Added:	2.00	Units: uL	Run Reagent
C_8260_IS_00152	Amount Added:	2.00	Units: uL	Run Reagent

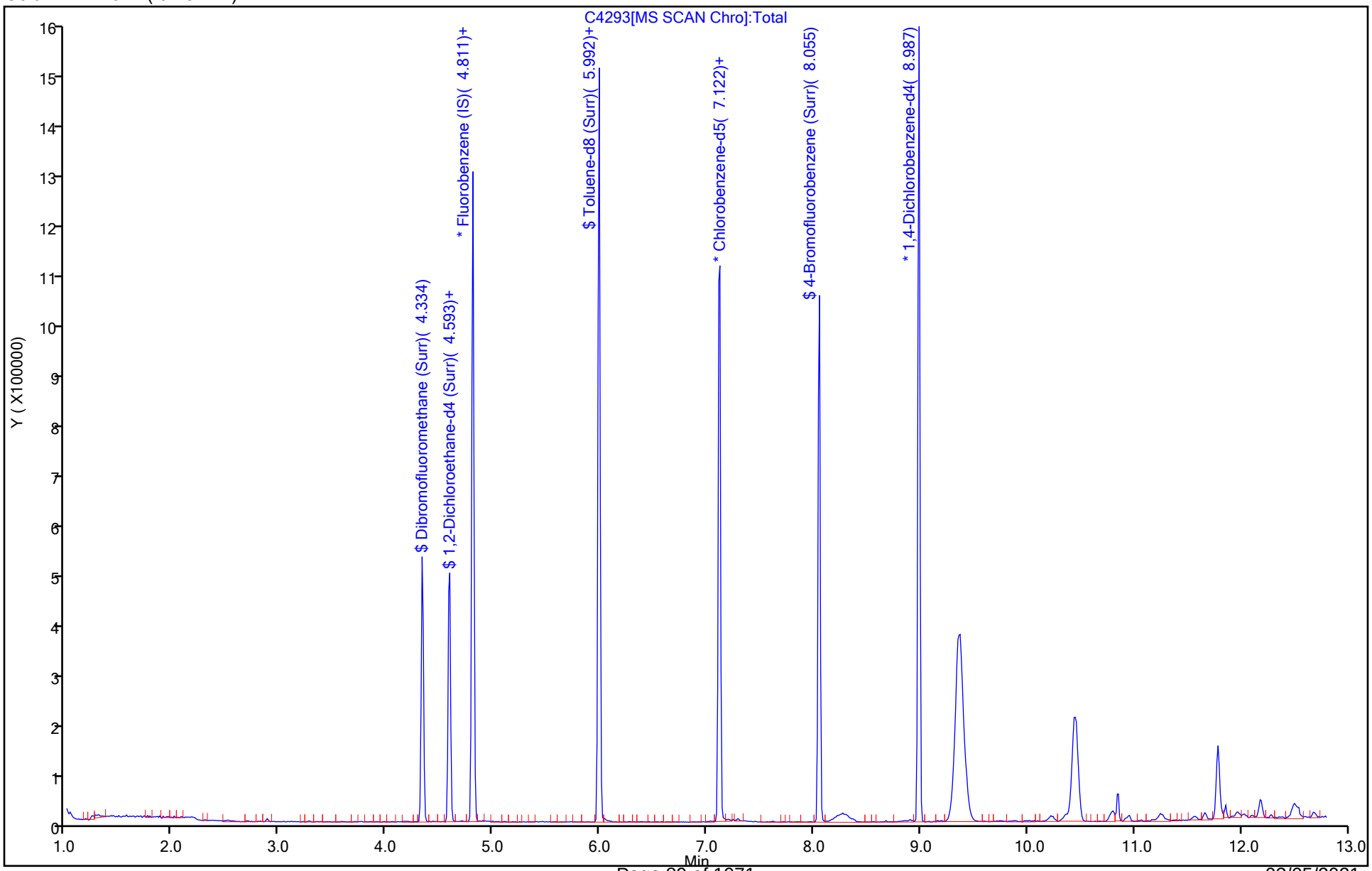
Report Date: 28-Feb-2021 19:21:13 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C4293.D

Injection Date:	27-Feb-2021 13:56:30	Instrument ID:	HP5973C	Operator ID:	OI
Lims ID:	480-181441-G-3	Lab Sample ID:	480-181441-3	Worklist Smp#:	14
Client ID:	MW-5D-022221				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Client Sample ID: MW-3D-022321 Lab Sample ID: 480-181441-4

Matrix: Water Lab File ID: C4294.D

Analysis Method: 8260C Date Collected: 02/23/2021 14:55

Sample wt/vol: 5(mL) Date Analyzed: 02/27/2021 14:21

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 570785 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.41
100-41-4	Ethylbenzene	ND		1.0	0.74
108-88-3	Toluene	ND		1.0	0.51
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		77-120
460-00-4	4-Bromofluorobenzene (Surr)	95		73-120
1868-53-7	Dibromofluoromethane (Surr)	106		75-123
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C4294.D				
Lims ID:	480-181441-G-4				
Client ID:	MW-3D-022321				
Sample Type:	Client				
Inject. Date:	27-Feb-2021 14:21:30	ALS Bottle#:	15	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	480-181441-g-4				
Misc. Info.:	480-0096878-015				
Operator ID:	OI	Instrument ID:	HP5973C		
Method:	\\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	28-Feb-2021 18:51:33	Calib Date:	22-Feb-2021 22:20:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4196.D				
Column 1 :	ZB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1624				
First Level Reviewer: cwiklinc		Date:	28-Feb-2021 19:21:22		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.811	4.811	0.000	99	161786	25.0	
* 2 Chlorobenzene-d5	82	7.122	7.122	0.000	84	302654	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.987	8.987	0.000	94	371733	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.334	4.334	0.000	93	230396	26.5	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.593	4.593	0.000	99	136439	25.7	
$ 5 Toluene-d8 (Surr)	98	5.992	5.992	0.000	93	730293	24.6	
$ 6 4-Bromofluorobenzene (Surr)	174	8.054	8.054	0.000	94	233180	23.9	
57 Benzene	78		4.593				ND	
74 Toluene	92		6.044				ND	
88 Ethylbenzene	91		7.205				ND	
90 m-Xylene & p-Xylene	106		7.288				ND	
91 o-Xylene	106		7.609				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

C_8260_Surr_00169	Amount Added:	2.00	Units: uL	Run Reagent
C_8260_IS_00152	Amount Added:	2.00	Units: uL	Run Reagent

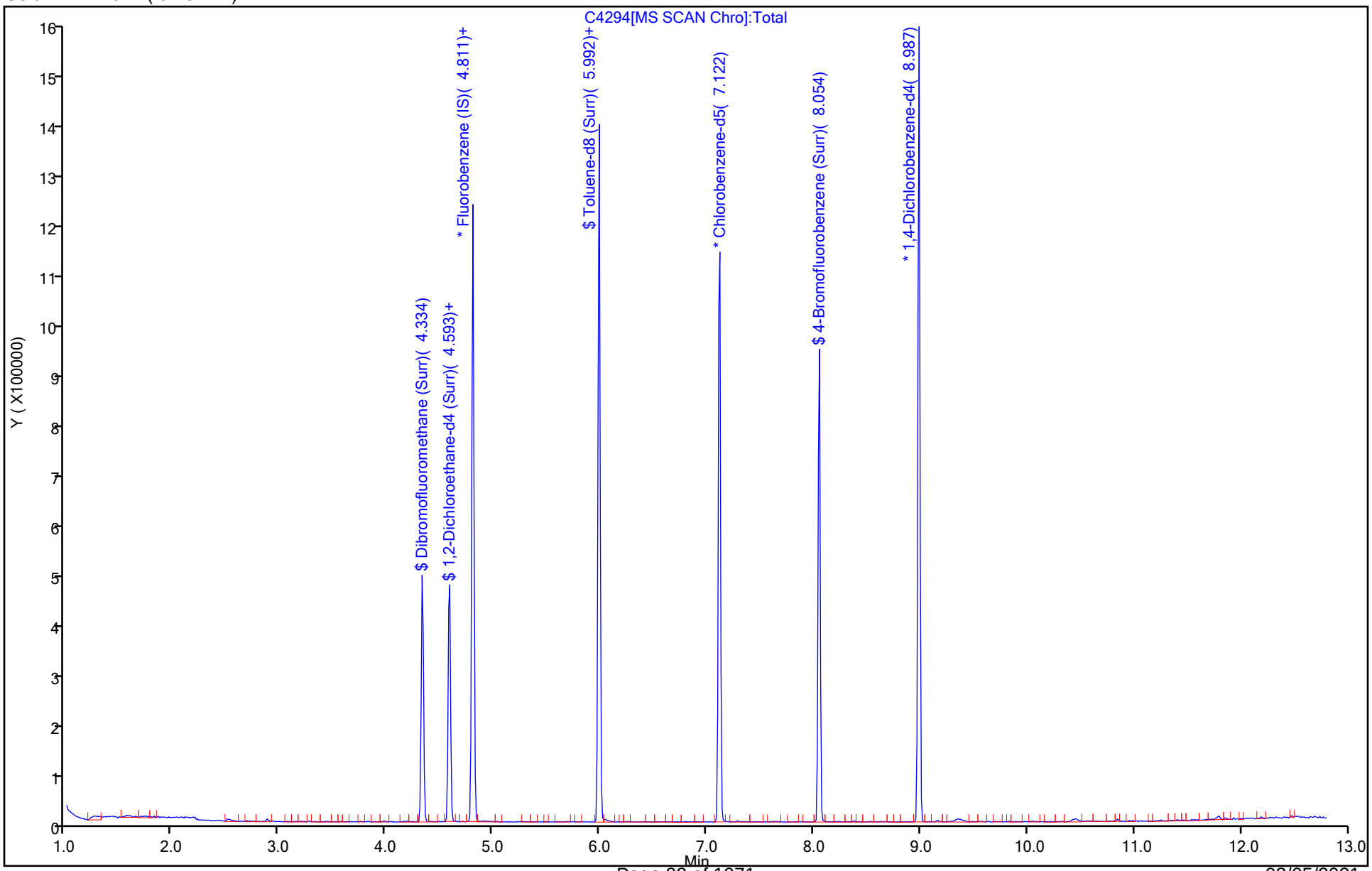
Report Date: 28-Feb-2021 19:21:23 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C4294.D

Injection Date:	27-Feb-2021 14:21:30	Instrument ID:	HP5973C	Operator ID:	OI
Lims ID:	480-181441-G-4	Lab Sample ID:	480-181441-4	Worklist Smp#:	15
Client ID:	MW-3D-022321				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Client Sample ID: MW-3S-022321 Lab Sample ID: 480-181441-5

Matrix: Water Lab File ID: C4295.D

Analysis Method: 8260C Date Collected: 02/23/2021 13:55

Sample wt/vol: 5(mL) Date Analyzed: 02/27/2021 14:46

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 570785 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.41
100-41-4	Ethylbenzene	ND		1.0	0.74
108-88-3	Toluene	ND		1.0	0.51
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		77-120
460-00-4	4-Bromofluorobenzene (Surr)	107		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123
2037-26-5	Toluene-d8 (Surr)	107		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C4295.D
Lims ID: 480-181441-G-5
Client ID: MW-3S-022321
Sample Type: Client
Inject. Date: 27-Feb-2021 14:46:30 ALS Bottle#: 16 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-181441-g-5
Misc. Info.: 480-0096878-016
Operator ID: OI Instrument ID: HP5973C

Method: \\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 28-Feb-2021 18:51:33 Calib Date: 22-Feb-2021 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4196.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1624

First Level Reviewer: cwiklinc Date: 28-Feb-2021 19:21:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.811	4.811	0.000	99	162649	25.0	
* 2 Chlorobenzene-d5	82	7.112	7.122	-0.010	85	278985	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.987	8.987	0.000	94	333708	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.334	4.334	0.000	93	223990	25.7	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.593	4.593	0.000	99	137042	25.7	
$ 5 Toluene-d8 (Surr)	98	5.992	5.992	0.000	93	729695	26.6	
$ 6 4-Bromofluorobenzene (Surr)	174	8.055	8.054	0.001	93	241521	26.8	
57 Benzene	78		4.593				ND	
74 Toluene	92		6.044				ND	
88 Ethylbenzene	91		7.205				ND	
90 m-Xylene & p-Xylene	106		7.288				ND	
91 o-Xylene	106		7.609				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

C_8260_Surr_00169	Amount Added:	2.00	Units: uL	Run Reagent
C_8260_IS_00152	Amount Added:	2.00	Units: uL	Run Reagent

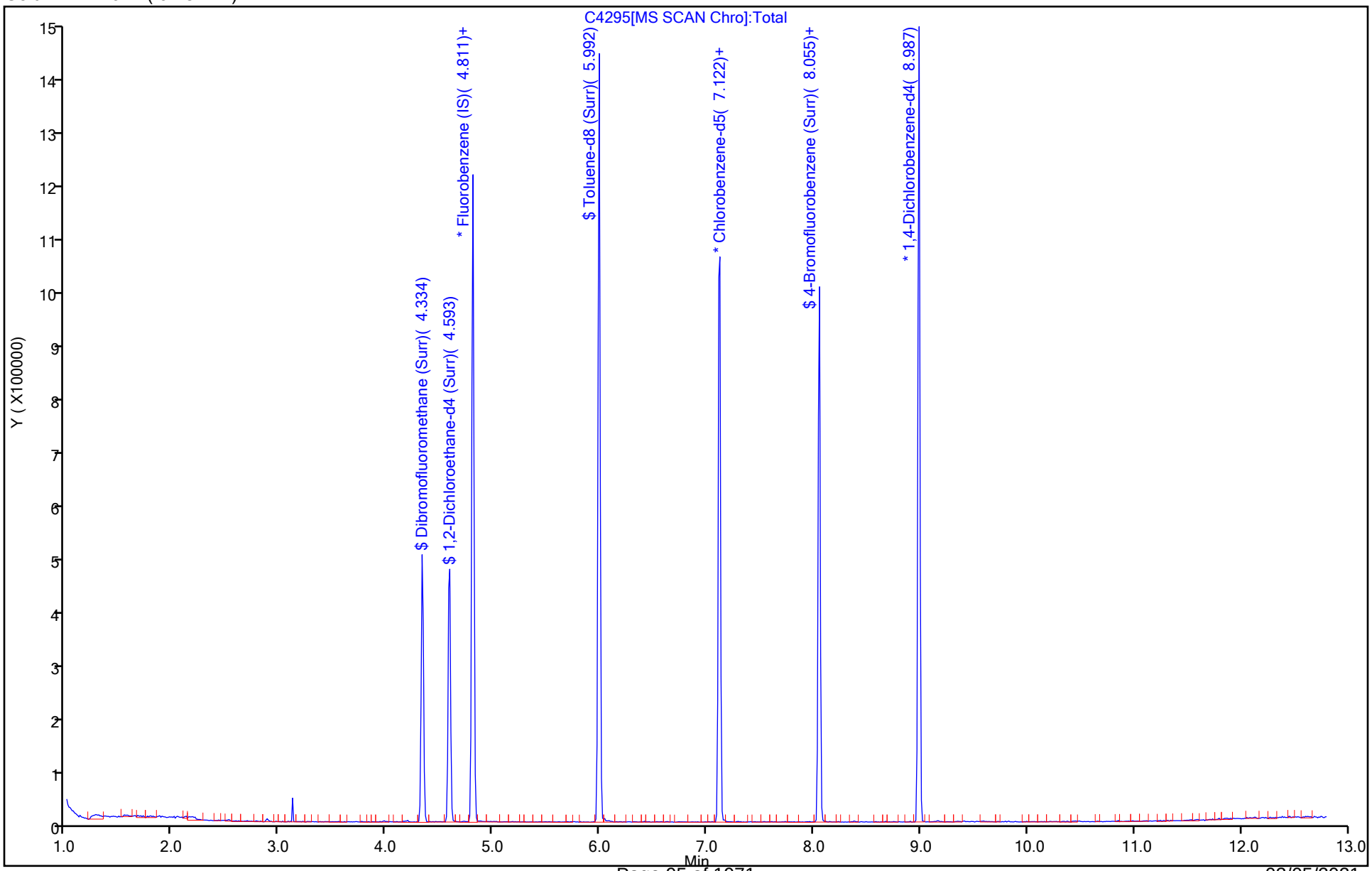
Report Date: 28-Feb-2021 19:21:32 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C4295.D

Injection Date:	27-Feb-2021 14:46:30	Instrument ID:	HP5973C	Operator ID:	OI
Lims ID:	480-181441-G-5	Lab Sample ID:	480-181441-5	Worklist Smp#:	16
Client ID:	MW-3S-022321				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Client Sample ID: DUP-1-022321 Lab Sample ID: 480-181441-6

Matrix: Water Lab File ID: C4296.D

Analysis Method: 8260C Date Collected: 02/23/2021 14:00

Sample wt/vol: 5(mL) Date Analyzed: 02/27/2021 15:10

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 570785 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.41
100-41-4	Ethylbenzene	ND		1.0	0.74
108-88-3	Toluene	ND		1.0	0.51
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		77-120
460-00-4	4-Bromofluorobenzene (Surr)	106		73-120
1868-53-7	Dibromofluoromethane (Surr)	106		75-123
2037-26-5	Toluene-d8 (Surr)	105		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C4296.D				
Lims ID:	480-181441-G-6				
Client ID:	DUP-1-022321				
Sample Type:	Client				
Inject. Date:	27-Feb-2021 15:10:30	ALS Bottle#:	17	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	480-181441-g-6				
Misc. Info.:	480-0096878-017				
Operator ID:	OI	Instrument ID:	HP5973C		
Method:	\\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	28-Feb-2021 18:51:33	Calib Date:	22-Feb-2021 22:20:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4196.D				
Column 1 :	ZB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1624				
First Level Reviewer: cwiklinc		Date:	28-Feb-2021 19:21:39		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.811	4.811	0.000	99	162218	25.0	
* 2 Chlorobenzene-d5	82	7.122	7.122	0.000	85	291277	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.987	8.987	0.000	94	336693	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.334	4.334	0.000	94	230382	26.5	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.593	4.593	0.000	99	139753	26.3	
$ 5 Toluene-d8 (Surr)	98	5.992	5.992	0.000	94	748152	26.2	
$ 6 4-Bromofluorobenzene (Surr)	174	8.055	8.054	0.001	94	249308	26.5	
57 Benzene	78		4.593				ND	
74 Toluene	92		6.044				ND	
88 Ethylbenzene	91		7.205				ND	
90 m-Xylene & p-Xylene	106		7.288				ND	
91 o-Xylene	106		7.609				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

C_8260_Surr_00169	Amount Added:	2.00	Units: uL	Run Reagent
C_8260_IS_00152	Amount Added:	2.00	Units: uL	Run Reagent

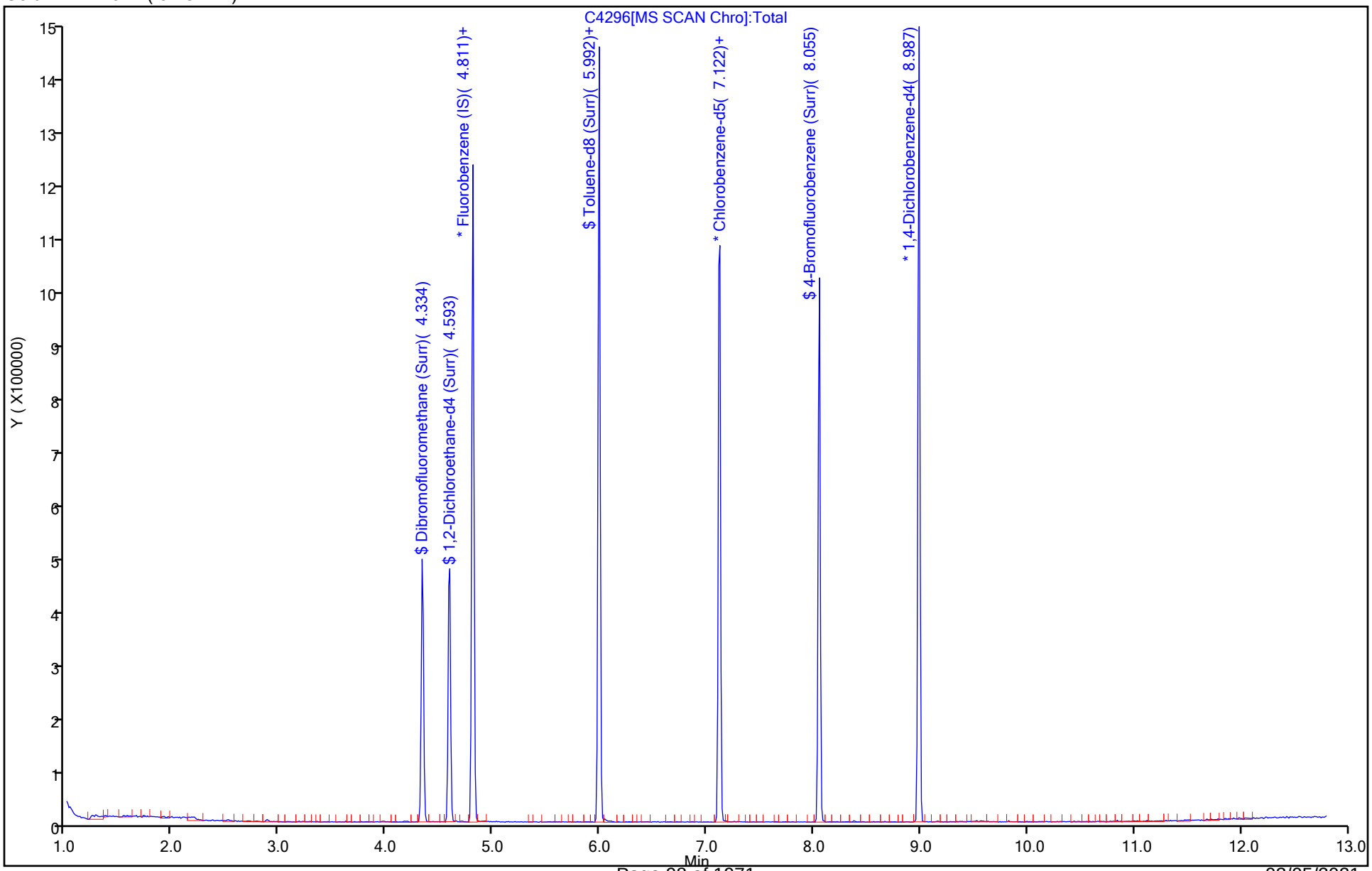
Report Date: 28-Feb-2021 19:21:40 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C4296.D

Injection Date:	27-Feb-2021 15:10:30	Instrument ID:	HP5973C	Operator ID:	OI
Lims ID:	480-181441-G-6	Lab Sample ID:	480-181441-6	Worklist Smp#:	17
Client ID:	DUP-1-022321				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Client Sample ID: MW-1S-022221 Lab Sample ID: 480-181441-7

Matrix: Water Lab File ID: C4297.D

Analysis Method: 8260C Date Collected: 02/22/2021 12:45

Sample wt/vol: 5(mL) Date Analyzed: 02/27/2021 15:35

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 570785 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.41
100-41-4	Ethylbenzene	ND		1.0	0.74
108-88-3	Toluene	ND		1.0	0.51
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		77-120
460-00-4	4-Bromofluorobenzene (Surr)	105		73-120
1868-53-7	Dibromofluoromethane (Surr)	105		75-123
2037-26-5	Toluene-d8 (Surr)	106		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C4297.D
Lims ID: 480-181441-G-7
Client ID: MW-1S-022221
Sample Type: Client
Inject. Date: 27-Feb-2021 15:35:30 ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-181441-g-7
Misc. Info.: 480-0096878-018
Operator ID: OI Instrument ID: HP5973C

Method: \\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 28-Feb-2021 18:51:33 Calib Date: 22-Feb-2021 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4196.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1624

First Level Reviewer: cwiklinc Date: 28-Feb-2021 19:21:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.811	4.811	0.000	99	157590	25.0	
* 2 Chlorobenzene-d5	82	7.122	7.122	0.000	84	270236	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.987	8.987	0.000	94	316318	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.334	4.334	0.000	93	221129	26.1	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.593	4.593	0.000	99	135392	26.2	
$ 5 Toluene-d8 (Surr)	98	5.992	5.992	0.000	93	705319	26.6	
$ 6 4-Bromofluorobenzene (Surr)	174	8.055	8.054	0.001	93	229198	26.3	
57 Benzene	78		4.593				ND	
74 Toluene	92		6.044				ND	
88 Ethylbenzene	91		7.205				ND	
90 m-Xylene & p-Xylene	106		7.288				ND	
91 o-Xylene	106		7.609				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

C_8260_Surr_00169 Amount Added: 2.00 Units: uL Run Reagent
C_8260_IS_00152 Amount Added: 2.00 Units: uL Run Reagent

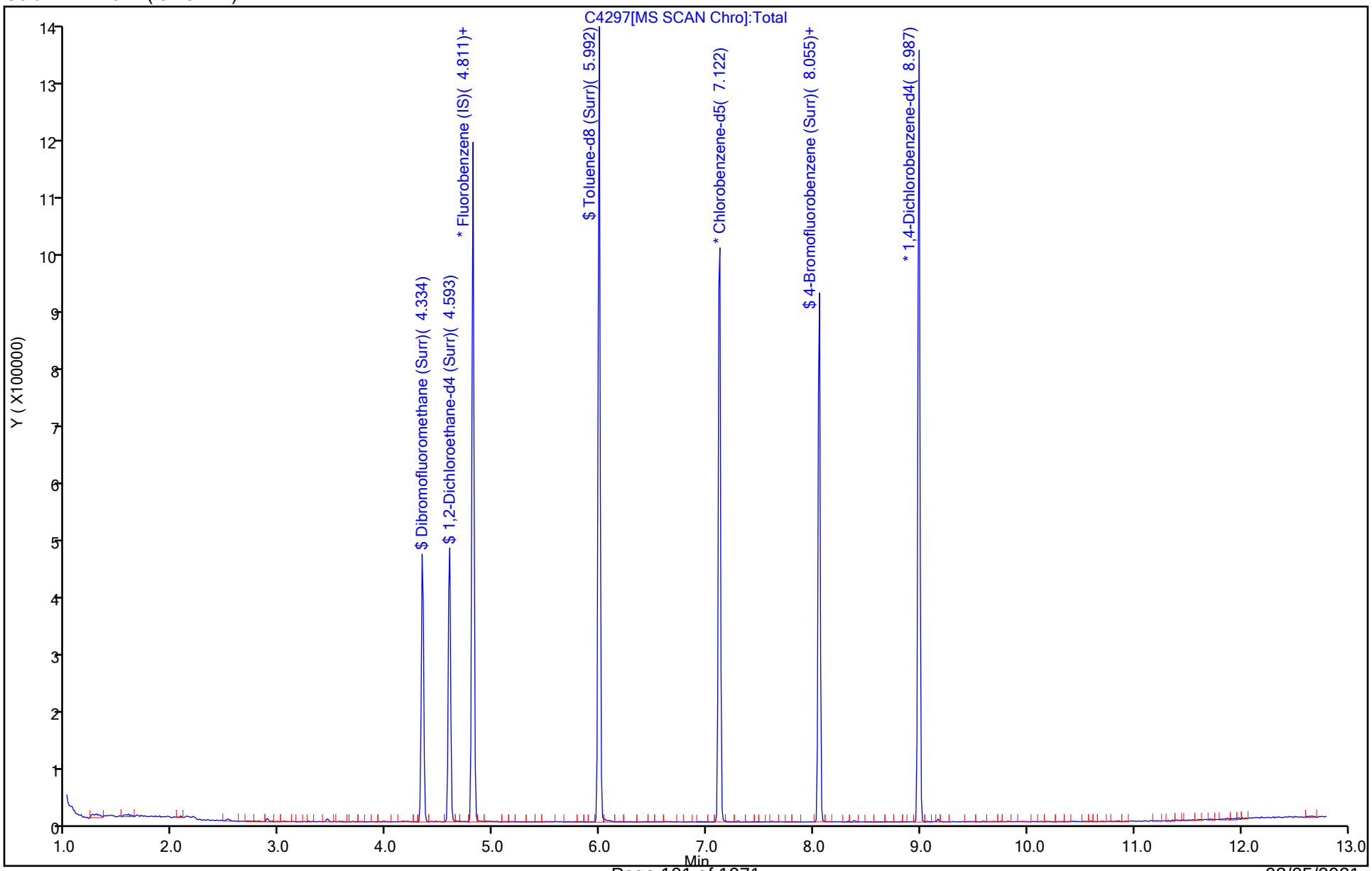
Report Date: 28-Feb-2021 19:21:48 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C4297.D

Injection Date:	27-Feb-2021 15:35:30	Instrument ID:	HP5973C	Operator ID:	OI
Lims ID:	480-181441-G-7	Lab Sample ID:	480-181441-7	Worklist Smp#:	18
Client ID:	MW-1S-022221				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Client Sample ID: MW-2S-022321 Lab Sample ID: 480-181441-8

Matrix: Water Lab File ID: C4298.D

Analysis Method: 8260C Date Collected: 02/23/2021 15:20

Sample wt/vol: 5(mL) Date Analyzed: 02/27/2021 16:01

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 570785 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND	F2	1.0	0.41
100-41-4	Ethylbenzene	ND		1.0	0.74
108-88-3	Toluene	ND		1.0	0.51
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		77-120
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
1868-53-7	Dibromofluoromethane (Surr)	104		75-123
2037-26-5	Toluene-d8 (Surr)	100		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C4298.D				
Lims ID:	480-181441-G-8				
Client ID:	MW-2S-022321				
Sample Type:	Client				
Inject. Date:	27-Feb-2021 16:01:30	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	480-181441-g-8				
Misc. Info.:	480-0096878-019				
Operator ID:	OI	Instrument ID:	HP5973C		
Method:	\\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	28-Feb-2021 18:51:33	Calib Date:	22-Feb-2021 22:20:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4196.D				
Column 1 :	ZB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1624				
First Level Reviewer: cwiklinc		Date:	28-Feb-2021 19:21:59		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.811	4.811	0.000	99	162280	25.0	
* 2 Chlorobenzene-d5	82	7.111	7.122	-0.011	84	286828	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.987	8.987	0.000	94	352762	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.334	4.334	0.000	94	226365	26.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.593	4.593	0.000	99	137858	25.9	
$ 5 Toluene-d8 (Surr)	98	5.992	5.992	0.000	93	702466	24.9	
$ 6 4-Bromofluorobenzene (Surr)	174	8.055	8.054	0.001	93	227528	24.6	
57 Benzene	78		4.593				ND	
74 Toluene	92		6.044				ND	
88 Ethylbenzene	91		7.205				ND	
90 m-Xylene & p-Xylene	106		7.288				ND	
91 o-Xylene	106		7.609				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

C_8260_Surr_00169	Amount Added:	2.00	Units: uL	Run Reagent
C_8260_IS_00152	Amount Added:	2.00	Units: uL	Run Reagent

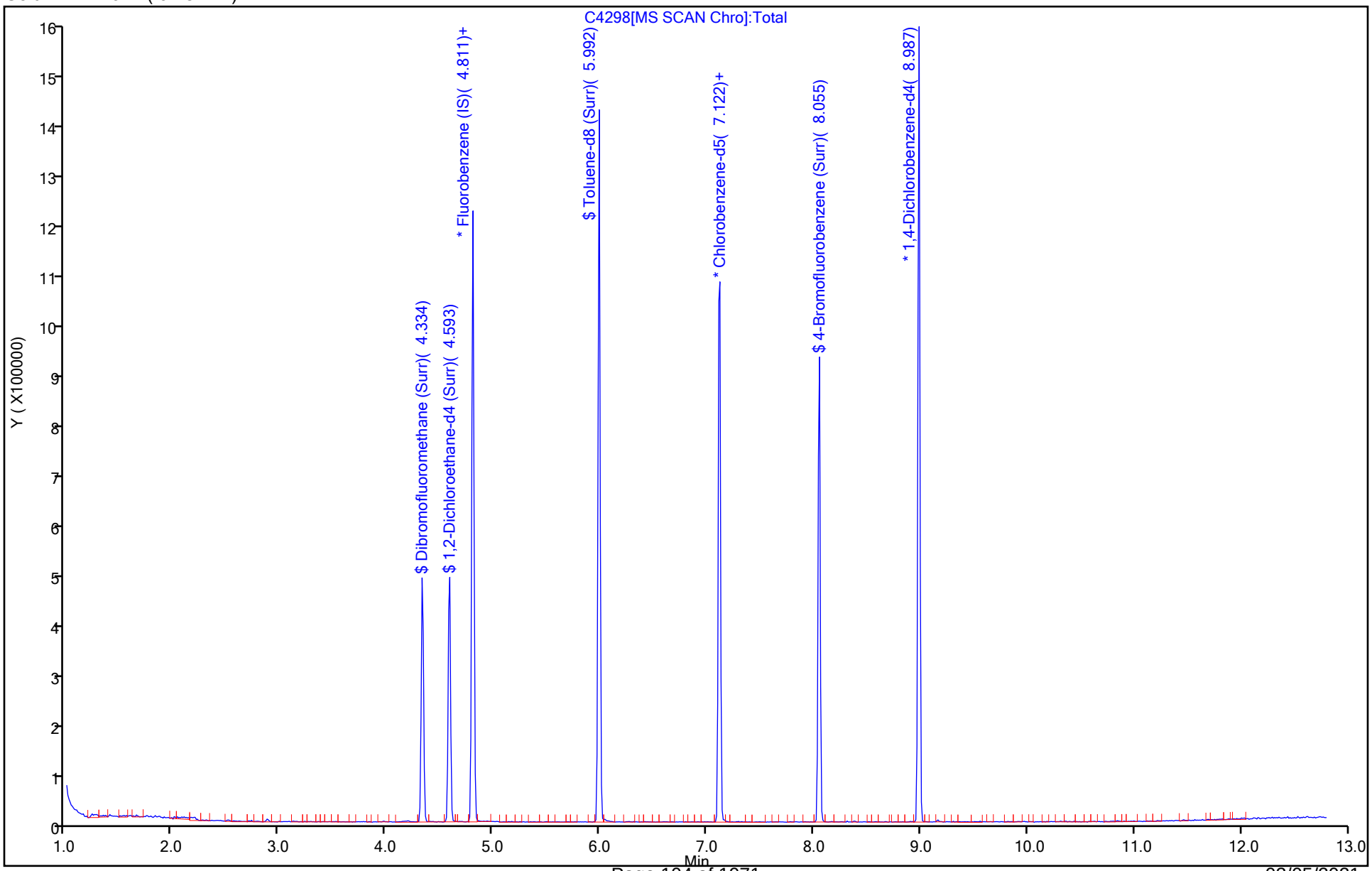
Report Date: 28-Feb-2021 19:21:59 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C4298.D

Injection Date:	27-Feb-2021 16:01:30	Instrument ID:	HP5973C	Operator ID:	OI
Lims ID:	480-181441-G-8	Lab Sample ID:	480-181441-8	Worklist Smp#:	19
Client ID:	MW-2S-022321				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Client Sample ID: MW-2D-022321 Lab Sample ID: 480-181441-9

Matrix: Water Lab File ID: C4299.D

Analysis Method: 8260C Date Collected: 02/23/2021 16:20

Sample wt/vol: 5(mL) Date Analyzed: 02/27/2021 16:26

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 570785 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.41
100-41-4	Ethylbenzene	ND		1.0	0.74
108-88-3	Toluene	ND		1.0	0.51
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123
2037-26-5	Toluene-d8 (Surr)	99		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C4299.D				
Lims ID:	480-181441-G-9				
Client ID:	MW-2D-022321				
Sample Type:	Client				
Inject. Date:	27-Feb-2021 16:26:30	ALS Bottle#:	20	Worklist Smp#:	20
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	480-181441-g-9				
Misc. Info.:	480-0096878-020				
Operator ID:	OI	Instrument ID:	HP5973C		
Method:	\\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	28-Feb-2021 18:51:33	Calib Date:	22-Feb-2021 22:20:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4196.D				
Column 1 :	ZB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1624				
First Level Reviewer: cwiklinc		Date:	28-Feb-2021 19:22:08		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.811	4.811	0.000	99	165823	25.0	
* 2 Chlorobenzene-d5	82	7.122	7.122	0.000	84	289891	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.987	8.987	0.000	94	361726	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.334	4.334	0.000	94	227155	25.5	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.593	4.593	0.000	99	137384	25.3	
$ 5 Toluene-d8 (Surr)	98	5.992	5.992	0.000	93	703406	24.7	
$ 6 4-Bromofluorobenzene (Surr)	174	8.054	8.054	0.000	93	228539	24.4	
57 Benzene	78		4.593				ND	
74 Toluene	92		6.044				ND	
88 Ethylbenzene	91		7.205				ND	
90 m-Xylene & p-Xylene	106		7.288				ND	
91 o-Xylene	106		7.609				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

C_8260_Surr_00169	Amount Added:	2.00	Units: uL	Run Reagent
C_8260_IS_00152	Amount Added:	2.00	Units: uL	Run Reagent

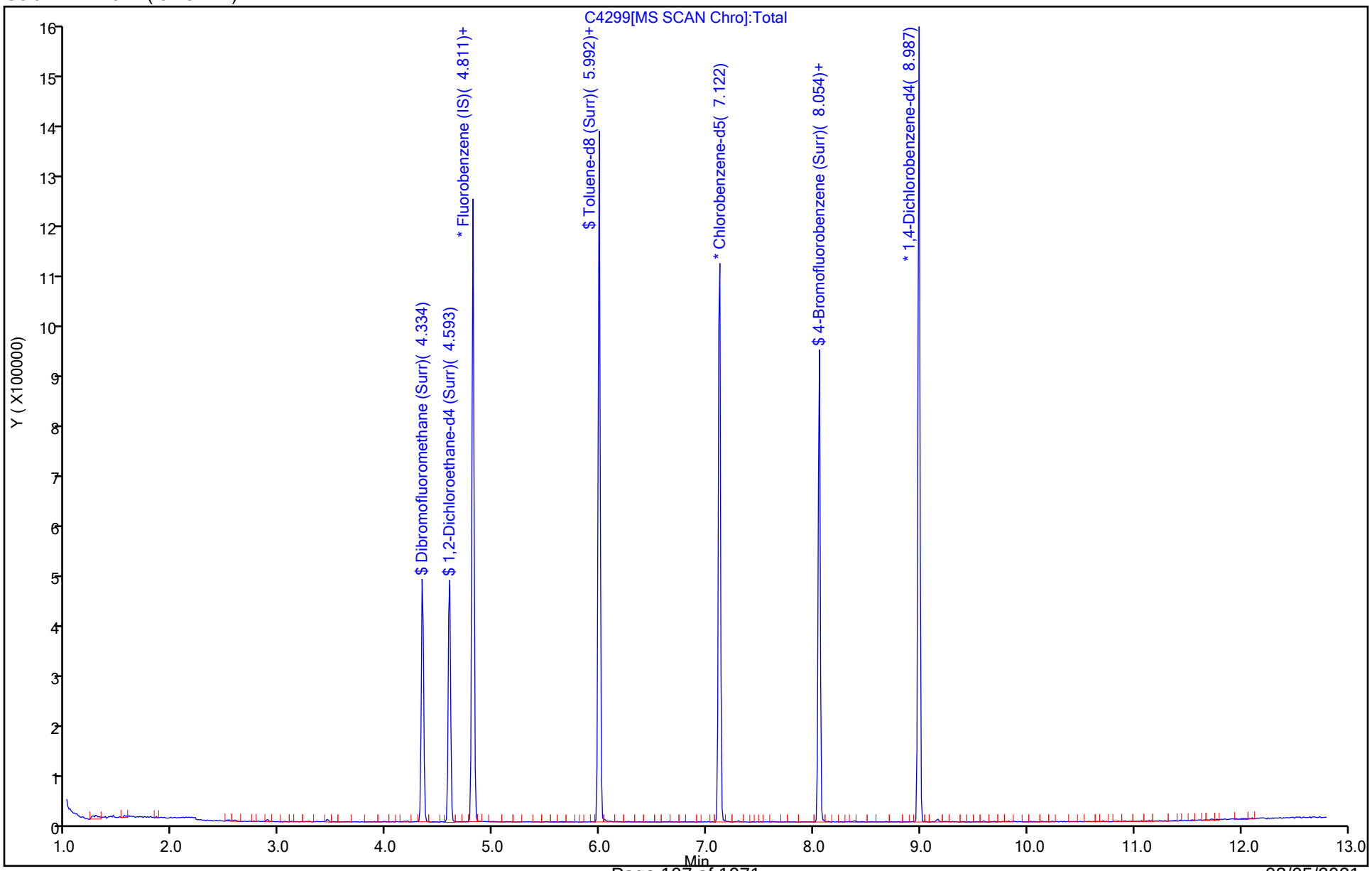
Report Date: 28-Feb-2021 19:22:09 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C4299.D

Injection Date:	27-Feb-2021 16:26:30	Instrument ID:	HP5973C	Operator ID:	OI
Lims ID:	480-181441-G-9	Lab Sample ID:	480-181441-9	Worklist Smp#:	20
Client ID:	MW-2D-022321				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Client Sample ID: MW-4S-022221 Lab Sample ID: 480-181441-10

Matrix: Water Lab File ID: C4300.D

Analysis Method: 8260C Date Collected: 02/22/2021 14:20

Sample wt/vol: 5(mL) Date Analyzed: 02/27/2021 16:51

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 570785 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.41
100-41-4	Ethylbenzene	ND		1.0	0.74
108-88-3	Toluene	ND		1.0	0.51
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	106		75-123
2037-26-5	Toluene-d8 (Surr)	99		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C4300.D
Lims ID: 480-181441-G-10
Client ID: MW-4S-022221
Sample Type: Client
Inject. Date: 27-Feb-2021 16:51:30 ALS Bottle#: 21 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-181441-g-10
Misc. Info.: 480-0096878-021
Operator ID: OI Instrument ID: HP5973C

Method: \\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 28-Feb-2021 18:51:33 Calib Date: 22-Feb-2021 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4196.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1624

First Level Reviewer: cwiklinc Date: 28-Feb-2021 19:22:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.811	4.811	0.000	99	160908	25.0	
* 2 Chlorobenzene-d5	82	7.122	7.122	0.000	85	289687	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.987	8.987	0.000	94	349907	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.334	4.334	0.000	94	228447	26.5	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.593	4.593	0.000	99	138421	26.2	
$ 5 Toluene-d8 (Surr)	98	5.992	5.992	0.000	93	704378	24.8	
$ 6 4-Bromofluorobenzene (Surr)	174	8.054	8.054	0.000	94	230906	24.7	
57 Benzene	78		4.593				ND	
74 Toluene	92		6.044				ND	
88 Ethylbenzene	91		7.205				ND	
90 m-Xylene & p-Xylene	106		7.288				ND	
91 o-Xylene	106		7.609				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

C_8260_Surr_00169	Amount Added:	2.00	Units: uL	Run Reagent
C_8260_IS_00152	Amount Added:	2.00	Units: uL	Run Reagent

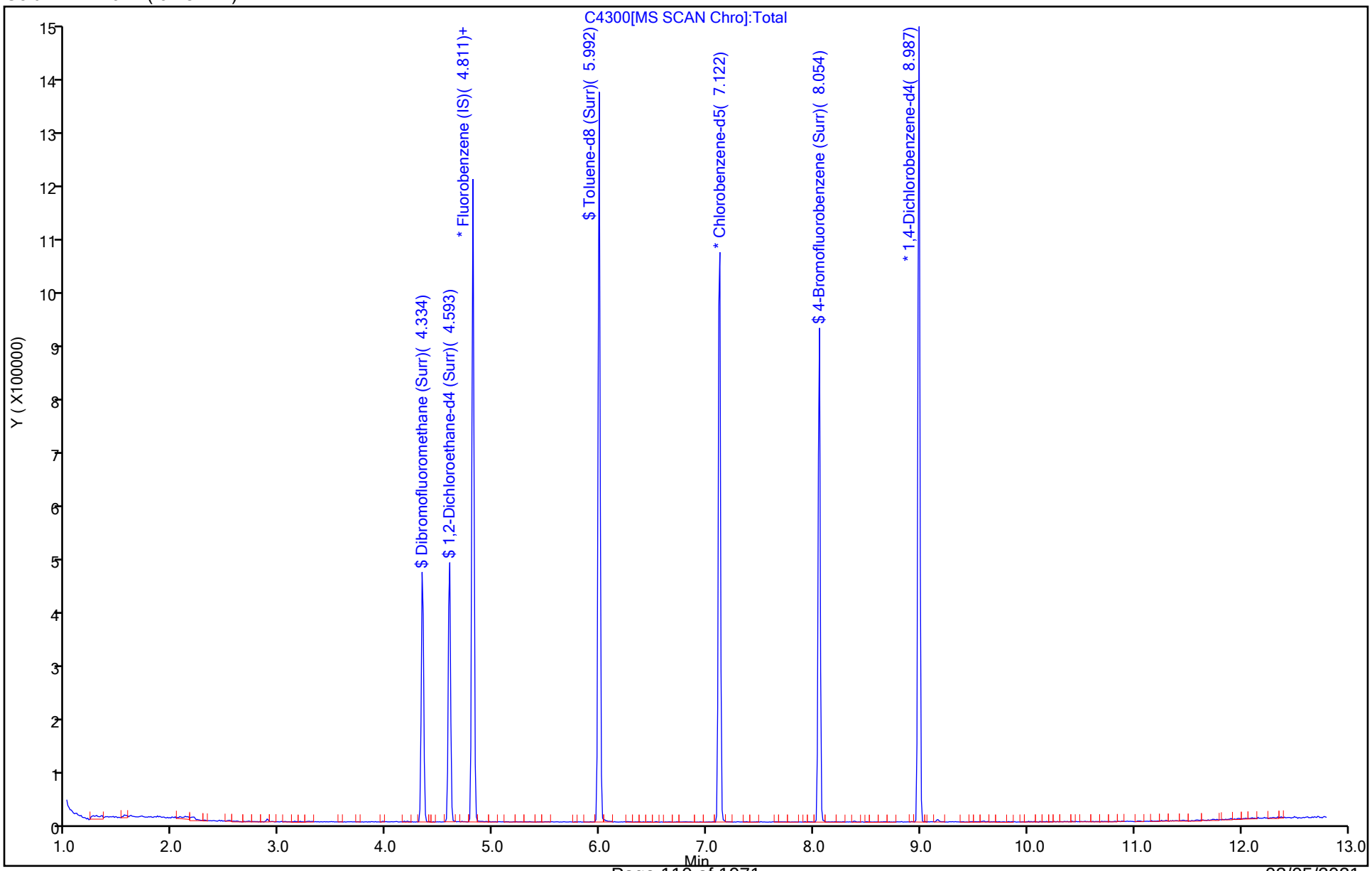
Report Date: 28-Feb-2021 19:22:20 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C4300.D

Injection Date:	27-Feb-2021 16:51:30	Instrument ID:	HP5973C	Operator ID:	OI
Lims ID:	480-181441-G-10	Lab Sample ID:	480-181441-10	Worklist Smp#:	21
Client ID:	MW-4S-022221				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Client Sample ID: MW-6S-022221 Lab Sample ID: 480-181441-11

Matrix: Water Lab File ID: C4301.D

Analysis Method: 8260C Date Collected: 02/22/2021 13:20

Sample wt/vol: 5(mL) Date Analyzed: 02/27/2021 17:16

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 570785 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.41
100-41-4	Ethylbenzene	ND		1.0	0.74
108-88-3	Toluene	ND		1.0	0.51
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		77-120
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
1868-53-7	Dibromofluoromethane (Surr)	109		75-123
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C4301.D				
Lims ID:	480-181441-G-11				
Client ID:	MW-6S-022221				
Sample Type:	Client				
Inject. Date:	27-Feb-2021 17:16:30	ALS Bottle#:	22	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	480-181441-g-11				
Misc. Info.:	480-0096878-022				
Operator ID:	OI	Instrument ID:	HP5973C		
Method:	\\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	28-Feb-2021 18:51:33	Calib Date:	22-Feb-2021 22:20:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4196.D				
Column 1 :	ZB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1624				
First Level Reviewer: cwiklinc		Date:	28-Feb-2021 19:22:32		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.811	4.811	0.000	99	156874	25.0	
* 2 Chlorobenzene-d5	82	7.122	7.122	0.000	85	289539	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.987	8.987	0.000	94	355118	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.334	4.334	0.000	94	229532	27.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.593	4.593	0.000	98	137175	26.7	
$ 5 Toluene-d8 (Surr)	98	5.992	5.992	0.000	93	699204	24.6	
$ 6 4-Bromofluorobenzene (Surr)	174	8.054	8.054	0.000	94	224356	24.0	
57 Benzene	78		4.593				ND	
74 Toluene	92		6.044				ND	
88 Ethylbenzene	91		7.205				ND	
90 m-Xylene & p-Xylene	106		7.288				ND	
91 o-Xylene	106		7.609				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

C_8260_Surr_00169	Amount Added:	2.00	Units: uL	Run Reagent
C_8260_IS_00152	Amount Added:	2.00	Units: uL	Run Reagent

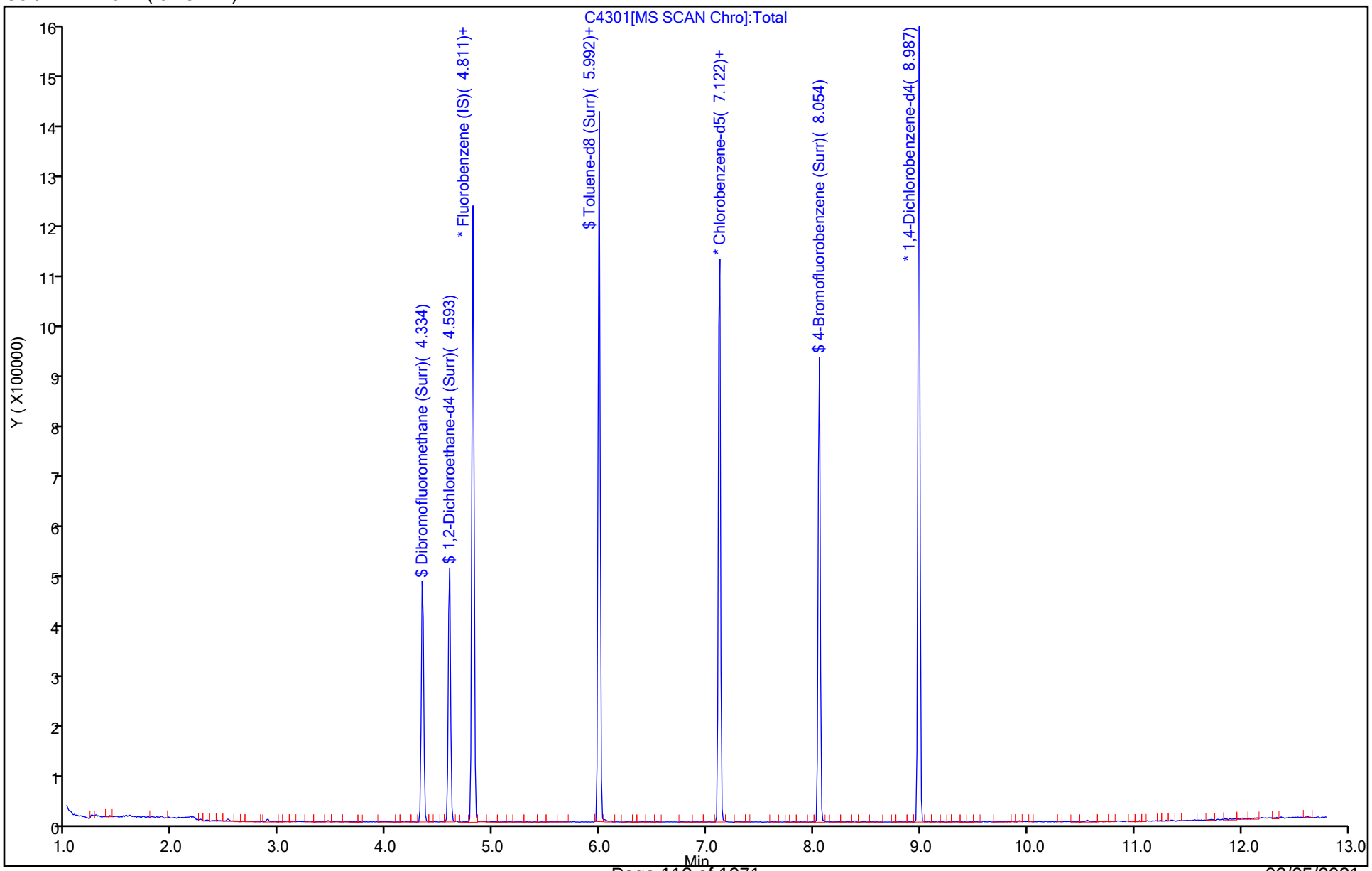
Report Date: 28-Feb-2021 19:22:32 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C4301.D

Injection Date:	27-Feb-2021 17:16:30	Instrument ID:	HP5973C	Operator ID:	OI
Lims ID:	480-181441-G-11	Lab Sample ID:	480-181441-11	Worklist Smp#:	22
Client ID:	MW-6S-022221				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Client Sample ID: TMW-2D-022421 Lab Sample ID: 480-181441-12

Matrix: Water Lab File ID: C4302.D

Analysis Method: 8260C Date Collected: 02/24/2021 10:20

Sample wt/vol: 5(mL) Date Analyzed: 02/27/2021 17:41

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 570785 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.41
100-41-4	Ethylbenzene	ND		1.0	0.74
108-88-3	Toluene	ND		1.0	0.51
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		77-120
460-00-4	4-Bromofluorobenzene (Surr)	104		73-120
1868-53-7	Dibromofluoromethane (Surr)	109		75-123
2037-26-5	Toluene-d8 (Surr)	100		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C4302.D
Lims ID: 480-181441-G-12
Client ID: TMW-2D-022421
Sample Type: Client
Inject. Date: 27-Feb-2021 17:41:30 ALS Bottle#: 23 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-181441-g-12
Misc. Info.: 480-0096878-023
Operator ID: OI Instrument ID: HP5973C

Method: \\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 28-Feb-2021 18:51:33 Calib Date: 22-Feb-2021 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4196.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1624

First Level Reviewer: cwiklinc Date: 28-Feb-2021 19:22:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.811	4.811	0.000	99	154141	25.0	
* 2 Chlorobenzene-d5	82	7.122	7.122	0.000	85	275312	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.987	8.987	0.000	94	338737	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.334	4.334	0.000	93	225097	27.2	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.593	4.593	0.000	99	133626	26.4	
$ 5 Toluene-d8 (Surr)	98	5.992	5.992	0.000	93	673723	24.9	
$ 6 4-Bromofluorobenzene (Surr)	174	8.054	8.054	0.000	93	230479	25.9	
57 Benzene	78		4.593				ND	
74 Toluene	92		6.044				ND	
88 Ethylbenzene	91		7.205				ND	
90 m-Xylene & p-Xylene	106		7.288				ND	
91 o-Xylene	106		7.609				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

C_8260_Surr_00169	Amount Added:	2.00	Units: uL	Run Reagent
C_8260_IS_00152	Amount Added:	2.00	Units: uL	Run Reagent

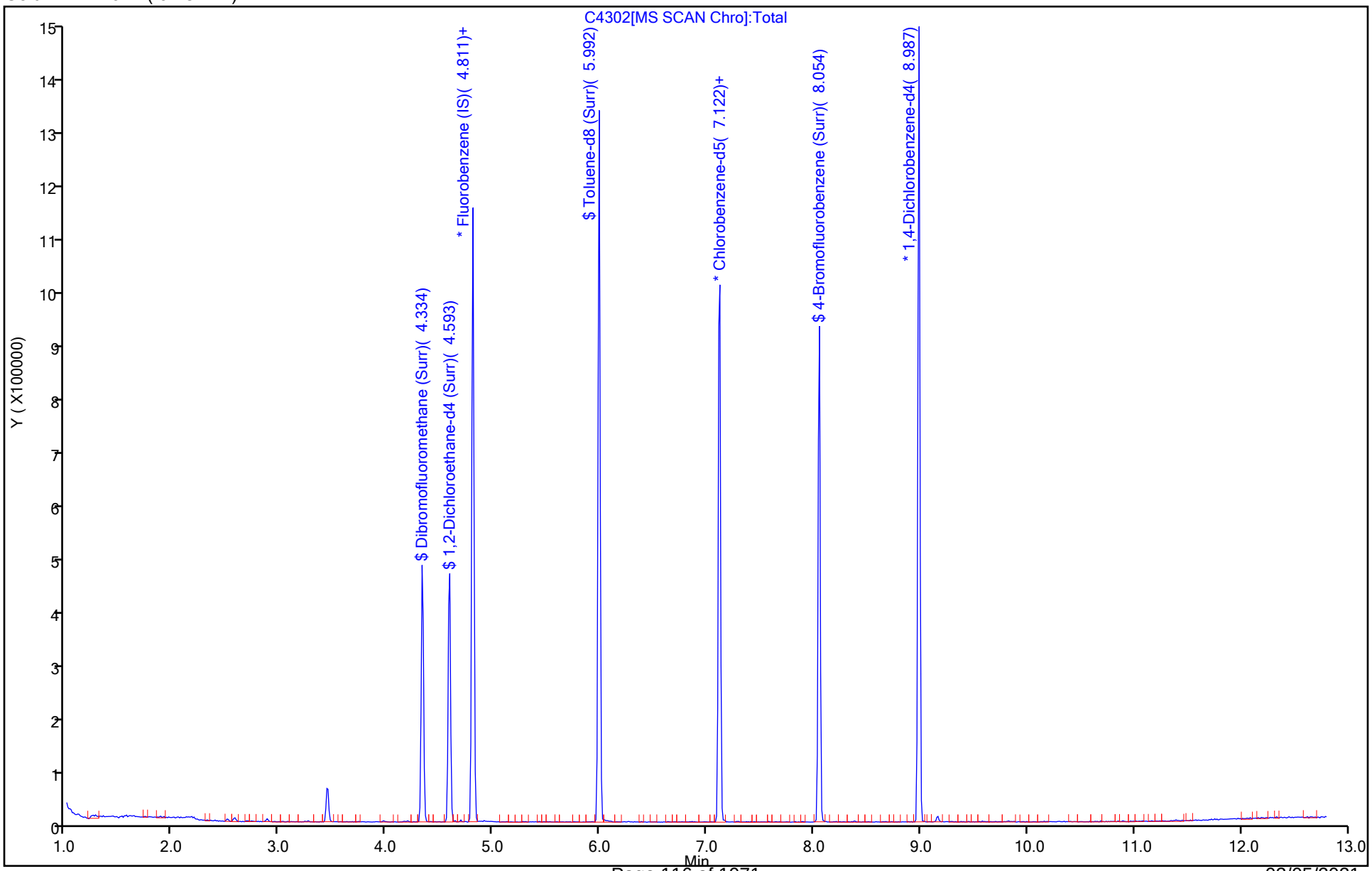
Report Date: 28-Feb-2021 19:24:01 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C4302.D

Injection Date:	27-Feb-2021 17:41:30	Instrument ID:	HP5973C	Operator ID:	OI
Lims ID:	480-181441-G-12	Lab Sample ID:	480-181441-12	Worklist Smp#:	23
Client ID:	TMW-2D-022421				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Client Sample ID: TRIP BLANK Lab Sample ID: 480-181441-14

Matrix: Water Lab File ID: N9220.D

Analysis Method: 8260C Date Collected: 02/24/2021 00:00

Sample wt/vol: 5(mL) Date Analyzed: 03/01/2021 12:23

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 570843 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.41
100-41-4	Ethylbenzene	ND		1.0	0.74
108-88-3	Toluene	ND		1.0	0.51
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		77-120
460-00-4	4-Bromofluorobenzene (Surr)	105		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123
2037-26-5	Toluene-d8 (Surr)	96		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210301-96893.b\N9220.D
Lims ID: 480-181441-A-14
Client ID: TRIP BLANK
Sample Type: Client
Inject. Date: 01-Mar-2021 12:23:30 ALS Bottle#: 4 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-181441-A-14
Misc. Info.: 480-0096893-012
Operator ID: AM Instrument ID: HP5973N

Method: \\chromfs\Buffalo\ChromData\HP5973N\20210301-96893.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 02-Mar-2021 07:30:01 Calib Date: 10-Feb-2021 17:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20210210-96581.b\N8883.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: moffata Date: 02-Mar-2021 07:30:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.574	5.574	0.000	98	170221	25.0	
* 2 Chlorobenzene-d5	117	8.579	8.579	0.000	89	641570	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.957	10.958	-0.001	96	336443	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.989	4.989	-0.001	92	228393	25.8	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.300	5.300	0.000	97	307974	25.8	
$ 6 Toluene-d8 (Surr)	98	7.088	7.088	0.000	95	836962	24.1	
$ 7 4-Bromofluorobenzene (Surr)	174	9.832	9.832	0.000	92	276787	26.2	
55 Benzene	78		5.306				ND	
73 Toluene	92		7.155				ND	
88 Ethylbenzene	91		8.701				ND	
90 m-Xylene & p-Xylene	106		8.822				ND	
91 o-Xylene	106		9.248				ND	
S 126 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

N 8260 IS_00205	Amount Added:	1.00	Units: uL	Run Reagent
N_8260_Surr_00408	Amount Added:	1.00	Units: uL	Run Reagent

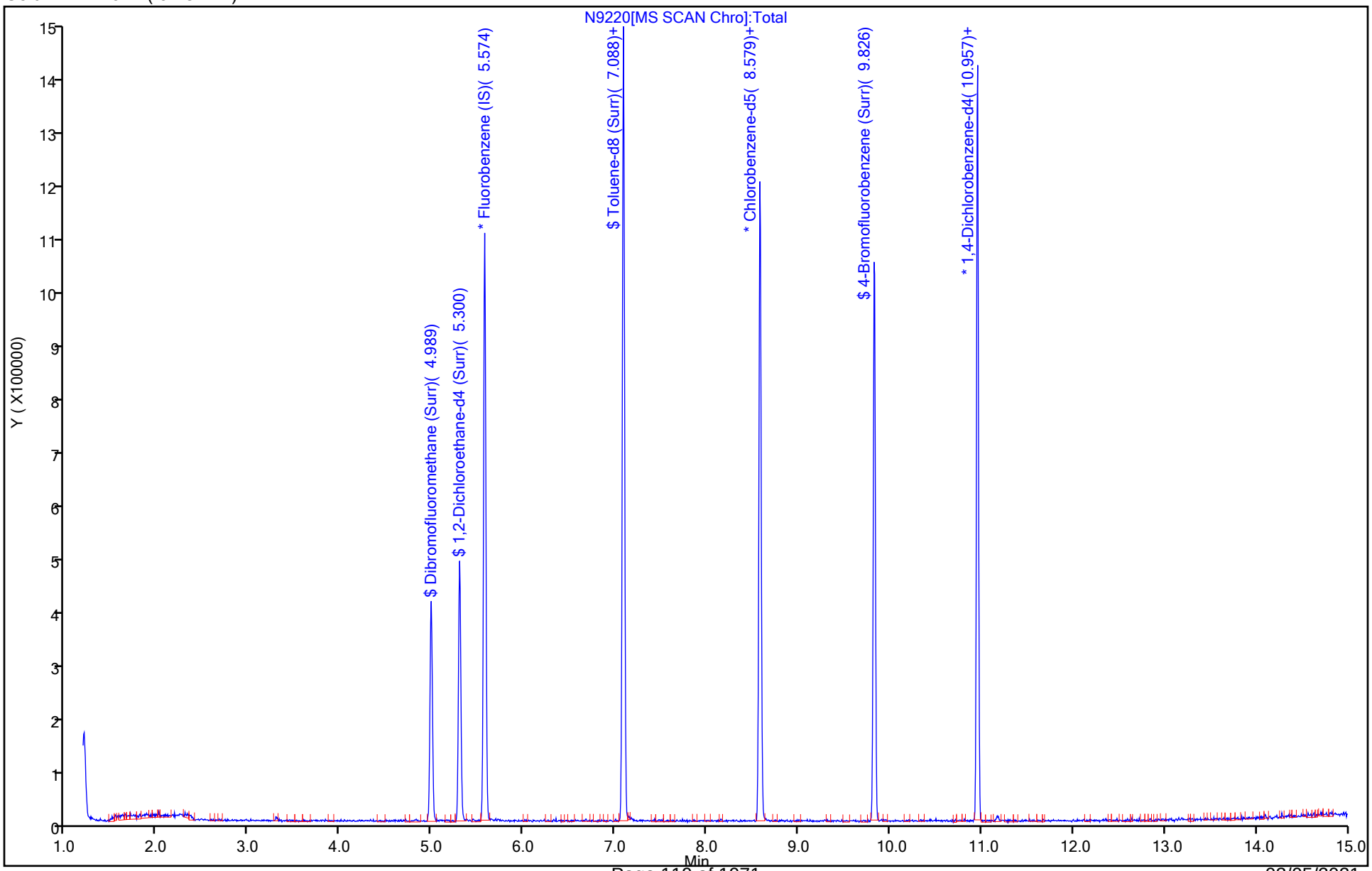
Report Date: 02-Mar-2021 07:30:05 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210301-96893.b\N9220.D

Injection Date:	01-Mar-2021 12:23:30	Instrument ID:	HP5973N	Operator ID:	AM
Lims ID:	480-181441-A-14	Lab Sample ID:	480-181441-14	Worklist Smp#:	12
Client ID:	TRIP BLANK				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 570211

SDG No.:

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

Calibration Start Date: 02/22/2021 14:50 Calibration End Date: 02/22/2021 17:46 Calibration ID: 41106

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-570211/6	C4178.D
Level 2	IC 480-570211/7	C4179.D
Level 3	IC 480-570211/8	C4180.D
Level 4	IC 480-570211/9	C4181.D
Level 5	IC 480-570211/10	C4182.D
Level 6	ICIS 480-570211/11	C4183.D
Level 7	IC 480-570211/12	C4184.D
Level 8	IC 480-570211/13	C4185.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	1.6393 1.7210	1.6688 1.6835	1.7909 1.6837	1.7767	1.8305	Ave		1.7243			0.1000	3.9		20.0			
Chloromethane	2.0587 1.7368	1.9235 1.6601	1.8872 1.6971	1.7179	1.8128	Ave		1.8118			0.1000	7.5		20.0			
Vinyl chloride	1.8989 1.7188	1.8707 1.6199	1.7024 1.6360	1.7466	1.7213	Ave		1.7393			0.1000	5.7		20.0			
Butadiene	1.8825 1.6610	1.7590 1.6130	1.8367 1.5695	1.6928	1.7313	Ave		1.7182				6.2		20.0			
Bromomethane	1.0306 1.0285	1.0195 0.9390	0.9864 0.9588	0.9429	0.9917	Ave		0.9872			0.1000	3.8		20.0			
Chloroethane	0.7673 0.9656	0.9639 0.8679	1.0124 0.8656	0.9312	0.9973	Ave		0.9214			0.1000	9.0		20.0			
Dichlorofluoromethane	2.7812 2.2210	2.5988 2.1078	2.3183 2.0733	2.2784	2.2733	Ave		2.3315				10.4		20.0			
Trichlorofluoromethane	1.9301 2.0710	1.8557 1.9305	1.9741 1.9633	2.0968	2.1038	Ave		1.9907			0.1000	4.5		20.0			
Ethyl ether	1.0121 1.2405	1.2204 1.1317	1.1032 1.1631	1.2146	1.2421	Ave		1.1660				6.9		20.0			
Acrolein	0.1737 0.2319	0.2099 0.2065	0.1942 0.2134	0.2585	0.2230	Ave		0.2139				11.8		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	1.1723 1.2385	1.2398 1.2512	1.1288 1.2417	1.2412	1.2846	Ave		1.2248			0.1000	4.0		20.0			
1,1-Dichloroethene	1.4910 1.2282	1.3296 1.2217	1.1818 1.2175	1.2682	1.3131	Ave		1.2814			0.1000	7.7		20.0			
Acetone	0.6371 0.6013	0.6520 0.5135	0.5800 0.5214	0.6770	0.6248	Ave		0.6009			0.1000	9.9		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 570211

SDG No.:

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

Calibration Start Date: 02/22/2021 14:50 Calibration End Date: 02/22/2021 17:46 Calibration ID: 41106

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Iodomethane	2.3487 2.4091	2.3003 2.2937	2.0996 2.2899	2.3706	2.4717	Ave		2.3229				4.7		20.0			
Carbon disulfide	4.4735 4.2181	4.0101 4.0775	3.4783 4.1057	4.0892	4.2998	Ave		4.0940			0.1000	7.1		20.0			
Allyl chloride	+++++ 1.9903	2.2296 1.9083	1.6947 1.9119	2.0087	2.0164	Ave		1.9657				8.2		20.0			
Methyl acetate	1.5116 1.4462	1.5698 1.3534	1.2555 1.3632	1.4855	1.4282	Ave		1.4267			0.1000	7.0		20.0			
Methylene Chloride	3.4273 1.4689	2.3355 1.3435	1.6723 1.3610	1.6374	1.5514	Lin1	0.8907	1.3631			0.1000				0.9990		0.9900
2-Methyl-2-propanol	+++++ 0.2017	0.2365 0.1793	0.1637 0.1981	0.2219	0.2171	Ave		0.2026				12.4		20.0			
Methyl tert-butyl ether	3.7440 4.2560	4.1426 3.9501	3.5907 4.0312	4.1386	4.2337	Ave		4.0109			0.1000	5.9		20.0			
trans-1,2-Dichloroethene	1.2454 1.4798	1.5233 1.3942	1.2513 1.4097	1.4290	1.5266	Ave		1.4074			0.1000	7.8		20.0			
Acrylonitrile	0.5768 0.8651	0.8926 0.7705	0.7463 0.7645	0.8794	0.8860	Ave		0.7977				13.5		20.0			
Hexane	2.2653 1.8880	1.9231 1.9463	1.8964 1.9226	1.9709	2.0738	Ave		1.9858				6.4		20.0			
1,1-Dichloroethane	2.2090 2.4489	2.5064 2.3270	2.2821 2.3525	2.4703	2.4765	Ave		2.3841			0.2000	4.5		20.0			
Vinyl acetate	2.1228 2.4796	2.2112 2.6650	1.9861 2.8687	2.1878	2.3572	Ave		2.3598				12.6		20.0			
2,2-Dichloropropane	1.2844 1.4023	1.3240 1.2372	1.0863 1.2475	1.3499	1.4280	Ave		1.2950				8.4		20.0			
cis-1,2-Dichloroethene	1.3386 1.5900	1.5938 1.4898	1.3909 1.5188	1.5037	1.6505	Ave		1.5095			0.1000	7.0		20.0			
2-Butanone (MEK)	0.8650 0.9741	1.0395 0.9083	0.8463 0.9352	0.9817	0.9647	Ave		0.9393			0.1000	6.8		20.0			
Chlorobromomethane	0.7373 0.8734	0.9245 0.8356	0.7529 0.8289	0.8265	0.8918	Ave		0.8339				7.7		20.0			
Tetrahydrofuran	+++++ 0.6921	0.8442 0.6406	0.6676 0.6402	0.6921	0.7301	Ave		0.7010				10.1		20.0			
Chloroform	2.9279 2.2961	2.7918 2.2590	2.2269 2.2980	2.2969	2.3247	Ave		2.4276			0.2000	11.2		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 570211

SDG No.:

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

Calibration Start Date: 02/22/2021 14:50 Calibration End Date: 02/22/2021 17:46 Calibration ID: 41106

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1,1-Trichloroethane	2.1963 1.8880	1.8125 1.8435	1.4925 1.8851	1.7631	1.9203	Ave		1.8502			0.1000	10.5		20.0			
Cyclohexane	2.3015 2.3911	2.4478 2.3518	2.1412 2.3192	2.4579	2.5668	Ave		2.3722			0.1000	5.4		20.0			
Carbon tetrachloride	1.5506 1.4239	1.1885 1.4968	1.1836 1.6057	1.3175	1.3935	Ave		1.3950			0.1000	11.3		20.0			
1,1-Dichloropropene	1.7342 1.7439	1.7930 1.7698	1.6311 1.7888	1.7213	1.8106	Ave		1.7491				3.3		20.0			
Benzene	5.3234 5.0620	5.0804 5.0693	4.6030 5.1297	5.1009	5.2680	Ave		5.0796			0.5000	4.2		20.0			
Isobutyl alcohol	+++++ 0.0649	0.0630 0.0653	0.0481 0.0752	0.0647	0.0614	Ave		0.0632				12.6		20.0			
1,2-Dichloroethane	1.9827 1.8915	2.1086 1.8132	1.7516 1.7687	1.8513	1.8585	Ave		1.8783			0.1000	6.3		20.0			
n-Heptane	1.7658 1.8472	1.9347 1.9213	1.7492 1.9441	1.9209	2.0434	Ave		1.8908				5.2		20.0			
Trichloroethene	1.4758 1.3057	1.2927 1.3330	1.2024 1.3649	1.2857	1.3726	Ave		1.3291			0.2000	6.0		20.0			
Methylcyclohexane	2.1195 2.3399	2.1989 2.3801	2.0316 2.4054	2.2548	2.5987	Ave		2.2911			0.1000	7.8		20.0			
1,2-Dichloropropane	1.1563 1.1876	1.1827 1.1874	1.1498 1.2441	1.1090	1.1863	Ave		1.1754			0.1000	3.3		20.0			
Dibromomethane	0.7443 0.8946	0.8259 0.8831	0.8138 0.9033	0.8470	0.8814	Ave		0.8492			0.1000	6.3		20.0			
1,4-Dioxane	+++++ 0.0108	0.0096 0.0098	0.0088 0.0098	0.0118	0.0109	Ave		0.0102				9.7		20.0			
Bromodichloromethane	1.1058 1.3033	0.9636 1.3753	0.9533 +++++	1.1333	1.2236	Ave		1.1512			0.2000	14.0		20.0			
2-Chloroethyl vinyl ether	0.8026 0.7598	0.6912 0.8577	0.6430 0.9268	0.7363	0.7427	Ave		0.7700				11.8		20.0			
cis-1,3-Dichloropropene	1.3169 1.7138	1.4629 1.8947	1.3987 +++++	1.4931	1.6072	Ave		1.5553			0.2000	12.8		20.0			
4-Methyl-2-pentanone (MIBK)	0.7121 1.0007	0.8133 0.9202	0.7436 0.9119	0.8929	0.9543	Ave		0.8686			0.1000	11.8		20.0			
Toluene	1.5184 1.5839	1.5694 1.6043	1.4339 1.5421	1.5219	1.6482	Ave		1.5528			0.4000	4.2		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 570211

SDG No.:

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

Calibration Start Date: 02/22/2021 14:50 Calibration End Date: 02/22/2021 17:46 Calibration ID: 41106

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
trans-1,3-Dichloropropene	0.5362 0.7750	0.6765 0.8694	0.5973 +++++	0.6936	0.7467	Lin1	-0.206	0.8277			0.1000				0.9950		0.9900
Ethyl methacrylate	+++++ 0.7610	0.6049 0.8107	0.6125 0.8340	0.6722	0.6986	Ave		0.7134				12.8		20.0			
1,1,2-Trichloroethane	0.4040 0.4606	0.4134 0.4717	0.4130 0.4756	0.4374	0.4478	Ave		0.4404			0.1000	6.4		20.0			
Tetrachloroethene	0.7067 0.7183	0.6484 0.7301	0.6596 0.7104	0.6931	0.7303	Ave		0.6996			0.2000	4.4		20.0			
1,3-Dichloropropane	0.7636 0.9575	0.8518 0.9827	0.8297 0.9660	0.9015	0.9220	Ave		0.8969				8.5		20.0			
2-Hexanone	0.4503 0.6221	0.5438 0.6049	0.5253 0.6102	0.5829	0.5999	Ave		0.5674			0.1000	10.2		20.0			
Dibromochloromethane	0.3181 0.4543	0.3598 0.5188	0.3843 +++++	0.3759	0.4102	Ave		0.4031			0.1000	16.4		20.0			
1,2-Dibromoethane	0.5266 0.6268	0.5186 0.6500	0.5235 0.6512	0.6089	0.5947	Ave		0.5876				9.7		20.0			
Chlorobenzene	1.7201 1.7738	1.8053 1.8250	1.5992 1.8161	1.7768	1.7747	Ave		1.7614			0.5000	4.2		20.0			
Ethylbenzene	2.8329 2.9994	2.9488 2.9736	2.6361 2.9392	2.9928	3.0312	Ave		2.9192			0.1000	4.4		20.0			
1,1,1,2-Tetrachloroethane	0.5066 0.5888	0.4004 0.6156	0.4571 +++++	0.4671	0.5480	Ave		0.5119				15.0		20.0			
m,p-Xylene	1.1270 1.2254	1.1571 1.2185	1.0935 1.1776	1.1849	1.2308	Ave		1.1768			0.1000	4.2		20.0			
o-Xylene	1.2369 1.2661	1.1162 1.2458	1.0781 1.2150	1.2034	1.2722	Ave		1.2042			0.3000	5.9		20.0			
Styrene	1.9289 1.9701	1.8214 2.0059	1.8062 1.9753	1.9119	1.9830	Ave		1.9253			0.3000	3.9		20.0			
Bromoform	+++++ 0.2928	0.1790 0.3397	0.1936 +++++	0.2393	0.2726	Lin1	-0.231	0.3245			0.1000				0.9930		0.9900
Isopropylbenzene	2.5104 2.7290	2.7038 3.1331	2.3688 2.8873	2.8313	2.9330	Ave		2.7621			0.1000	8.8		20.0			
Bromobenzene	0.7860 0.6615	0.6724 0.7589	0.6056 0.7378	0.7073	0.7160	Ave		0.7057				8.2		20.0			
1,1,2,2-Tetrachloroethane	0.6141 0.7591	0.7004 0.8662	0.6458 0.8288	0.7427	0.7747	Ave		0.7415			0.3000	11.6		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 570211

SDG No.:

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

Calibration Start Date: 02/22/2021 14:50 Calibration End Date: 02/22/2021 17:46 Calibration ID: 41106

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
N-Propylbenzene	2.9452 3.0903	2.9804 3.5021	2.7533 3.3214	3.2827	3.3245	Ave		3.1500				7.9		20.0			
1,2,3-Trichloropropane	0.2278 0.2880	0.3077 0.3092	0.2707 0.2953	0.3063	0.2982	Ave		0.2879				9.5		20.0			
trans-1,4-Dichloro-2-butene	0.2092 0.2550	0.2376 0.2811	0.2647 0.2857	0.2848	0.2647	Ave		0.2604				10.1		20.0			
2-Chlorotoluene	0.5760 0.6658	0.6645 0.7411	0.6616 0.6895	0.7033	0.7153	Ave		0.6771				7.3		20.0			
1,3,5-Trimethylbenzene	2.0796 2.3862	2.1279 2.6304	1.9521 2.4662	2.3963	2.5275	Ave		2.3208				10.3		20.0			
4-Chlorotoluene	0.6044 0.6535	0.6450 0.7444	0.5972 0.6937	0.6974	0.7207	Ave		0.6695				8.0		20.0			
tert-Butylbenzene	0.3917 0.5382	0.4478 0.6073	0.4513 0.5694	0.5268	0.5341	Ave		0.5083				14.1		20.0			
1,2,4-Trimethylbenzene	2.3232 2.4382	2.3756 2.6698	2.1345 2.5072	2.5188	2.5772	Ave		2.4431				6.8		20.0			
sec-Butylbenzene	2.5393 3.0342	2.8113 3.4630	2.5026 3.1716	3.0815	3.1742	Ave		2.9722				11.2		20.0			
4-Isopropyltoluene	2.1006 2.6868	2.4253 3.0113	2.2482 2.8250	2.7389	2.8529	Ave		2.6111				12.2		20.0			
1,3-Dichlorobenzene	1.2191 1.3647	1.3638 1.5270	1.2927 1.4358	1.4674	1.4677	Ave		1.3923			0.6000	7.3		20.0			
1,4-Dichlorobenzene	1.3440 1.3738	1.4843 1.5316	1.3190 1.4735	1.5513	1.5073	Ave		1.4481			0.5000	6.2		20.0			
n-Butylbenzene	2.1399 2.3569	2.1969 2.6690	2.0290 2.4564	2.4876	2.5522	Ave		2.3610				9.4		20.0			
1,2-Dichlorobenzene	1.3154 1.4246	1.4728 1.5492	1.3713 1.4274	1.5398	1.5305	Ave		1.4539			0.4000	5.8		20.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.1714	0.1212 0.1984	0.1194 +++++	0.1366	0.1547	Lin1	-0.123	0.1886			0.0500				0.9910		0.9900
1,2,4-Trichlorobenzene	0.9844 1.1523	1.1038 1.2655	1.0706 1.1374	1.2235	1.1735	Ave		1.1389			0.2000	7.7		20.0			
Hexachlorobutadiene	0.5199 0.5197	0.4423 0.5919	0.4612 0.5311	0.5349	0.5679	Ave		0.5211				9.5		20.0			
Naphthalene	3.1337 3.8978	3.5491 4.0974	3.3144 3.7608	4.0561	3.9727	Ave		3.7227				9.6		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 570211

SDG No.:

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

Calibration Start Date: 02/22/2021 14:50 Calibration End Date: 02/22/2021 17:46 Calibration ID: 41106

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,3-Trichlorobenzene	1.0593 1.1396	1.0460 1.2108	1.0537 1.0963	1.1944	1.1869	Ave		1.1234				6.1		20.0			
Dibromofluoromethane (Surr)	1.3227 1.3967	1.2710 1.3743	1.3128 1.3647	1.3426	1.3499	Ave		1.3418				2.9		20.0			
1,2-Dichloroethane-d4 (Surr)	0.8044 0.8404	0.8095 0.8003	0.8093 0.8032	0.8457	0.8436	Ave		0.8195				2.4		20.0			
Toluene-d8 (Surr)	2.5515 2.4744	2.3312 2.4629	2.4837 2.3430	2.4970	2.4988	Ave		2.4553				3.2		20.0			
4-Bromofluorobenzene (Surr)	0.8319 0.8059	0.7493 0.7980	0.8418 0.8013	0.8144	0.8146	Ave		0.8072				3.4		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 570211

SDG No.:

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

Calibration Start Date: 02/22/2021 14:50 Calibration End Date: 02/22/2021 17:46 Calibration ID: 41106

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-570211/6	C4178.D
Level 2	IC 480-570211/7	C4179.D
Level 3	IC 480-570211/8	C4180.D
Level 4	IC 480-570211/9	C4181.D
Level 5	IC 480-570211/10	C4182.D
Level 6	ICIS 480-570211/11	C4183.D
Level 7	IC 480-570211/12	C4184.D
Level 8	IC 480-570211/13	C4185.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	3991	10543	22688	54821	112042	0.400	1.00	2.00	5.00	10.0
			261367	548161	1089937			25.0	50.0	100		
Chloromethane	FB	Ave	5012	12152	23908	53007	110957	0.400	1.00	2.00	5.00	10.0
			263765	540532	1098614			25.0	50.0	100		
Vinyl chloride	FB	Ave	4623	11819	21567	53891	105356	0.400	1.00	2.00	5.00	10.0
			261032	527451	1059036			25.0	50.0	100		
Butadiene	FB	Ave	4583	11113	23268	52233	105966	0.400	1.00	2.00	5.00	10.0
			252253	525211	1015998			25.0	50.0	100		
Bromomethane	FB	Ave	2509	6441	12496	29094	60701	0.400	1.00	2.00	5.00	10.0
			156196	305747	620647			25.0	50.0	100		
Chloroethane	FB	Ave	1868	6090	12826	28732	61045	0.400	1.00	2.00	5.00	10.0
			146638	282602	560365			25.0	50.0	100		
Dichlorofluoromethane	FB	Ave	6771	16419	29369	70302	139145	0.400	1.00	2.00	5.00	10.0
			337294	686301	1342163			25.0	50.0	100		
Trichlorofluoromethane	FB	Ave	4699	11724	25009	64697	128766	0.400	1.00	2.00	5.00	10.0
			314519	628566	1270926			25.0	50.0	100		
Ethyl ether	FB	Ave	2464	7710	13976	37477	76029	0.400	1.00	2.00	5.00	10.0
			188389	368481	752943			25.0	50.0	100		
Acrolein	FB	Ave	2115	6631	12304	39875	68248	2.00	5.00	10.0	25.0	50.0
			176109	336158	690735			125	250	500		
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	2854	7833	14300	38299	78628	0.400	1.00	2.00	5.00	10.0
			188084	407409	803825			25.0	50.0	100		
1,1-Dichloroethene	FB	Ave	3630	8400	14972	39132	80373	0.400	1.00	2.00	5.00	10.0
			186528	397798	788173			25.0	50.0	100		
Acetone	FB	Ave	7755	20595	36736	104449	191200	2.00	5.00	10.0	25.0	50.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 570211

SDG No.:

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

Calibration Start Date: 02/22/2021 14:50 Calibration End Date: 02/22/2021 17:46 Calibration ID: 41106

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			456587	835961	1687625			125	250	500		
Iodomethane	FB	Ave	5718 365856	14533 746838	26598 1482361	73145	151287	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	10891 640593	25335 1327653	44064 2657802	126173	263182	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Allyl chloride	FB	Ave	+++++ 302257	14086 621345	21469 1237650	61980	123417	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	7360 439251	19835 881323	31811 1764949	91671	174838	0.800 50.0	2.00 100	4.00 200	10.0	20.0
Methylene Chloride	FB	Lin1	8344 223076	14755 437441	21185 881045	50523	94957	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	+++++ 306290	14939 583773	20744 1282660	68472	132900	+++++ 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	9115 646340	26172 1286156	45488 2609593	127696	259137	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	3032 224725	9624 453956	15852 912582	44091	93440	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	14042 1313862	56390 2508763	94550 4948838	271352	542322	4.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	5515 286720	12150 633707	24024 1244553	60812	126933	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	5378 371906	15835 757673	28910 1522863	76222	151579	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	10336 753124	27940 1735440	50320 3714121	135008	288553	0.800 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	3127 212963	8365 402847	13762 807593	41652	87403	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	3259 241464	10069 485079	17620 983193	46397	101026	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	10529 739653	32838 1478794	53605 3026883	151450	295244	2.00 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	1795 132637	5841 272077	9538 536581	25502	54587	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	+++++ 210228	10667 417184	16914 828884	42711	89376	+++++ 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	7128	17638	28211	70870	142292	0.400	1.00	2.00	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 570211

SDG No.:

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

Calibration Start Date: 02/22/2021 14:50 Calibration End Date: 02/22/2021 17:46 Calibration ID: 41106

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			348694	735536	1487580			25.0	50.0	100		
1,1,1-Trichloroethane	FB	Ave	5347 286719	11451 600263	18907 1220316	54400	117534	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	5603 363131	15465 765767	27125 1501349	75838	157110	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	3775 216235	7509 487376	14994 1039449	40653	85295	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	4222 264843	11328 576240	20663 1157978	53112	110824	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Benzene	FB	Ave	12960 768740	32097 1650576	58312 3320667	157388	322439	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Isobutyl alcohol	FB	Ave	+++++ 246237	9948 531598	15247 1217117	49937	94017	+++++ 625	25.0 1250	50.0 2500	125	250
1,2-Dichloroethane	FB	Ave	4827 287247	13322 590372	22190 1144959	57121	113756	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	4299 280521	12223 625597	22159 1258499	59269	125069	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	3593 198291	8167 434037	15232 883542	39670	84013	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	5160 355353	13892 774982	25737 1557126	69573	159062	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	2815 180354	7472 386614	14566 805332	34218	72611	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromomethane	FB	Ave	1812 135855	5218 287528	10309 584751	26135	53946	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBNZ d5	Ave	+++++ 60831	2266 121469	4085 255024	13333	24553	+++++ 500	20.0 1000	40.0 2000	100	200
Bromodichloromethane	FB	Ave	2692 197920	6088 447788	12077 +++++	34968	74892	0.400 25.0	1.00 50.0	2.00 +++++	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	1954 115387	4367 279277	8146 599977	22720	45461	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	3206 260261	9242 616910	17719 +++++	46069	98370	0.400 25.0	1.00 50.0	2.00 +++++	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Ave	15266	48107	86218	252896	539880	2.00	5.00	10.0	25.0	50.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 570211

SDG No.:

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

Calibration Start Date: 02/22/2021 14:50 Calibration End Date: 02/22/2021 17:46 Calibration ID: 41106

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			1405003	2843343	5938220			125	250	500		
Toluene	CBNZ d5	Ave	6510 444795	18566 991395	33252 2008428	86206	186493	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBNZ d5	Lin1	2299 217626	8003 537260	13850 +++++	39290	84482	0.400 25.0	1.00 50.0	2.00 +++++	5.00	10.0
Ethyl methacrylate	CBNZ d5	Ave	+++++ 213700	7156 500999	14203 1086237	38078	79040	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBNZ d5	Ave	1732 129347	4890 291513	9577 619399	24774	50668	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrachloroethene	CBNZ d5	Ave	3030 201706	7671 451208	15295 925173	39263	82626	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichloropropane	CBNZ d5	Ave	3274 268878	10077 607279	19240 1258114	51067	104323	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBNZ d5	Ave	9653 873410	32166 1868930	60902 3973949	165102	339402	2.00 125	5.00 250	10.0 500	25.0	50.0
Dibromochloromethane	CBNZ d5	Ave	1364 127571	4256 320605	8912 +++++	21292	46410	0.400 25.0	1.00 50.0	2.00 +++++	5.00	10.0
1,2-Dibromoethane	CBNZ d5	Ave	2258 176007	6135 401703	12140 848103	34492	67293	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Chlorobenzene	CBNZ d5	Ave	7375 498115	21357 1127819	37084 2365360	100649	200797	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBNZ d5	Ave	12146 842283	34884 1837589	61129 3828031	169527	342972	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	2172	4737	10599	26457	62003	0.400	1.00	2.00	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 570211

SDG No.:

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

Calibration Start Date: 02/22/2021 14:50 Calibration End Date: 02/22/2021 17:46 Calibration ID: 41106

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			165351	380407	+++++			25.0	50.0	+++++		
m,p-Xylene	CBNZ d5	Ave	4832 344099	13688 752991	25357 1533725	67119	139261	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBNZ d5	Ave	5303 355532	13205 769844	25001 1582487	68166	143944	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBNZ d5	Ave	8270 553232	21547 1239574	41884 2572716	108299	224375	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBNZ d5	Lin1	+++++ 82212	2118 209895	4490 +++++	13554	30846	+++++ 25.0	1.00 50.0	2.00 +++++	5.00	10.0
Isopropylbenzene	DCBd 4	Ave	13105 953224	37648 2090583	65562 4186735	182687	390256	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCBd 4	Ave	4103 231075	9362 506366	16762 1069815	45640	95268	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	3206 265141	9752 577975	17875 1201732	47923	103077	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCBd 4	Ave	15375 1079408	41499 2336823	76203 4816072	211816	442345	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCBd 4	Ave	1189 100584	4284 206328	7493 428122	19767	39677	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	1092 89076	3309 187597	7325 414316	18379	35214	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCBd 4	Ave	3007 232572	9252 494521	18311 999737	45383	95173	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	10856	29628	54028	154617	336300	0.400	1.00	2.00	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 570211

SDG No.:

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

Calibration Start Date: 02/22/2021 14:50 Calibration End Date: 02/22/2021 17:46 Calibration ID: 41106

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			833501	1755175	3575994			25.0	50.0	100		
4-Chlorotoluene	DCBd 4	Ave	3155 228249	8981 496725	16529 1005915	45000	95889	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCBd 4	Ave	2045 187994	6235 405254	12491 825659	33990	71067	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	12128 851660	33078 1781435	59077 3635449	162525	342913	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCBd 4	Ave	13256 1059834	39144 2310749	69264 4598909	198832	422345	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCBd 4	Ave	10966 938472	33770 2009297	62225 4096357	176725	379587	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCBd 4	Ave	6364 476673	18990 1018909	35778 2081919	94683	195287	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dichlorobenzene	DCBd 4	Ave	7016 479873	20667 1021952	36507 2136650	100096	200549	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCBd 4	Ave	11171 823263	30589 1780900	56158 3561797	160514	339586	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCBd 4	Ave	6867 497621	20507 1033710	37955 2069709	99357	203637	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Lin1	+++++ 59868	1688 132387	3304 +++++	8811	20586	+++++ 25.0	1.00 50.0	2.00 +++++	5.00	10.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	5139 402497	15369 844414	29630 1649306	78947	156139	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCBd 4	Ave	2714	6158	12765	34511	75567	0.400	1.00	2.00	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 570211

SDG No.:

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

Calibration Start Date: 02/22/2021 14:50 Calibration End Date: 02/22/2021 17:46 Calibration ID: 41106

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			181529	394921	770128			25.0	50.0	100		
Naphthalene	DCBd 4	Ave	16359	49417	91734	261716	528583	0.400	1.00	2.00	5.00	10.0
			1361464	2734009	5453256			25.0	50.0	100		
1,2,3-Trichlorobenzene	DCBd 4	Ave	5530	14564	29164	77067	157928	0.400	1.00	2.00	5.00	10.0
			398038	807912	1589627			25.0	50.0	100		
Dibromofluoromethane (Surr)	FB	Ave	201260	200745	207881	207136	206554	25.0	25.0	25.0	25.0	25.0
			212113	223737	220853			25.0	25.0	25.0		
1,2-Dichloroethane-d4 (Surr)	FB	Ave	122392	127856	128160	130466	129090	25.0	25.0	25.0	25.0	25.0
			127631	130283	129980			25.0	25.0	25.0		
Toluene-d8 (Surr)	CBNZ d5	Ave	683707	689439	719927	707213	706842	25.0	25.0	25.0	25.0	25.0
			694842	761003	762882			25.0	25.0	25.0		
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	222933	221602	243998	230663	230420	25.0	25.0	25.0	25.0	25.0
			226310	246577	260906			25.0	25.0	25.0		

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 570211

SDG No.:

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

Calibration Start Date: 02/22/2021 14:50 Calibration End Date: 02/22/2021 17:46 Calibration ID: 41106

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-570211/6	C4178.D
Level 2	IC 480-570211/7	C4179.D
Level 3	IC 480-570211/8	C4180.D
Level 4	IC 480-570211/9	C4181.D
Level 5	IC 480-570211/10	C4182.D
Level 6	ICIS 480-570211/11	C4183.D
Level 7	IC 480-570211/12	C4184.D
Level 8	IC 480-570211/13	C4185.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Dichlorodifluoromethane	-4.9						30					
Chloromethane	13.6						30					
Vinyl chloride	9.2						30					
Butadiene	9.6						30					
Bromomethane	4.4						30					
Chloroethane	-16.7						30					
Dichlorofluoromethane	19.3						30					
Trichlorofluoromethane	-3.0						30					
Ethyl ether	-13.2						30					
Acrolein	-18.8						30					
1,1,2-Trichloro-1,2,2-trifluoroethane	-4.3						30					
1,1-Dichloroethene	16.4						30					
Acetone	6.0						30					
Iodomethane	1.1						30					
Carbon disulfide	9.3						30					

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 570211

SDG No.:

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

Calibration Start Date: 02/22/2021 14:50 Calibration End Date: 02/22/2021 17:46 Calibration ID: 41106

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Allyl chloride	+++++	13.4						30				
Methyl acetate	6.0						30					
Methylene Chloride	-11.9						30					
2-Methyl-2-propanol	+++++	16.7						30				
Methyl tert-butyl ether	-6.7						30					
trans-1,2-Dichloroethene	-11.5						30					
Acrylonitrile	-27.7						30					
Hexane	14.1						30					
1,1-Dichloroethane	-7.3						30					
Vinyl acetate	-10.0						30					
2,2-Dichloropropane	-0.8						30					
cis-1,2-Dichloroethene	-11.3						30					
2-Butanone (MEK)	-7.9						30					
Chlorobromomethane	-11.6						30					
Tetrahydrofuran	+++++	20.4						30				
Chloroform	20.6						30					
1,1,1-Trichloroethane	18.7						30					
Cyclohexane	-3.0						30					
Carbon tetrachloride	11.2						30					
1,1-Dichloropropene	-0.9						30					
Benzene	4.8						30					

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 570211

SDG No.:

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

Calibration Start Date: 02/22/2021 14:50 Calibration End Date: 02/22/2021 17:46 Calibration ID: 41106

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Isobutyl alcohol	+++++	-0.4						30				
1,2-Dichloroethane	5.6						30					
n-Heptane	-6.6						30					
Trichloroethene	11.0						30					
Methylcyclohexane	-7.5						30					
1,2-Dichloropropane	-1.6						30					
Dibromomethane	-12.4						30					
1,4-Dioxane	+++++	-6.2						30				
Bromodichloromethane	-3.9	+++++					30					
2-Chloroethyl vinyl ether	4.2						30					
cis-1,3-Dichloropropene	-15.3	+++++					30					
4-Methyl-2-pentanone (MIBK)	-18.0						30					
Toluene	-2.2						30					
trans-1,3-Dichloropropene	27.1	+++++					30					
Ethyl methacrylate	+++++	-15.2						30				
1,1,2-Trichloroethane	-8.3						30					
Tetrachloroethene	1.0						30					
1,3-Dichloropropane	-14.9						30					
2-Hexanone	-20.6						30					
Dibromochloromethane	-21.1	+++++					30					

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 570211

SDG No.:

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

Calibration Start Date: 02/22/2021 14:50 Calibration End Date: 02/22/2021 17:46 Calibration ID: 41106

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
1,2-Dibromoethane	-10.4						30					
Chlorobenzene	-2.3						30					
Ethylbenzene	-3.0						30					
1,1,1,2-Tetrachloroethane	-1.0	+++++					30					
m,p-Xylene	-4.2						30					
o-Xylene	2.7						30					
Styrene	0.2						30					
Bromoform	+++++	26.4 +++++						30				
Isopropylbenzene	-9.1						30					
Bromobenzene	11.4						30					
1,1,2,2-Tetrachloroethane	-17.2						30					
N-Propylbenzene	-6.5						30					
1,2,3-Trichloropropane	-20.9						30					
trans-1,4-Dichloro-2-butene	-19.7						30					
2-Chlorotoluene	-14.9						30					
1,3,5-Trimethylbenzene	-10.4						30					
4-Chlorotoluene	-9.7						30					
tert-Butylbenzene	-22.9						30					
1,2,4-Trimethylbenzene	-4.9						30					
sec-Butylbenzene	-14.6						30					
4-Isopropyltoluene	-19.6						30					

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 570211

SDG No.:

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

Calibration Start Date: 02/22/2021 14:50 Calibration End Date: 02/22/2021 17:46 Calibration ID: 41106

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
1,3-Dichlorobenzene	-12.4						30					
1,4-Dichlorobenzene	-7.2						30					
n-Butylbenzene	-9.4						30					
1,2-Dichlorobenzene	-9.5						30					
1,2-Dibromo-3-Chloropropane	+++++	29.8 +++++						30				
1,2,4-Trichlorobenzene	-13.6						30					
Hexachlorobutadiene	-0.2						30					
Naphthalene	-15.8						30					
1,2,3-Trichlorobenzene	-5.7						30					
Dibromofluoromethane (Surr)	-1.4						30					
1,2-Dichloroethane-d4 (Surr)	-1.9						30					
Toluene-d8 (Surr)	3.9						30					
4-Bromofluorobenzene (Surr)	3.1						30					

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4178.D
Lims ID: IC 0.4
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 22-Feb-2021 14:50:30 ALS Bottle#: 4 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ic 0.4
Misc. Info.: 480-0096781-006
Operator ID: RF Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Feb-2021 11:49:05 Calib Date: 22-Feb-2021 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4196.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1673

First Level Reviewer: farrellr Date: 23-Feb-2021 10:57:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.811	4.811	0.000	99	152159	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.122	7.122	0.000	85	267968	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.987	8.987	0.000	94	326269	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.334	4.334	0.000	94	201260	25.0	24.6	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.593	4.593	0.000	99	122392	25.0	24.5	
$ 5 Toluene-d8 (Surr)	98	5.992	5.992	0.000	93	683707	25.0	26.0	
$ 6 4-Bromofluorobenzene (Surr)	174	8.054	8.054	0.000	93	222933	25.0	25.8	
10 Dichlorodifluoromethane	85	1.070	1.070	0.000	97	3991	0.4000	0.3803	
12 Chloromethane	50	1.225	1.235	-0.010	94	5012	0.4000	0.4545	
13 Vinyl chloride	62	1.318	1.318	0.000	96	4623	0.4000	0.4367	
151 Butadiene	54	1.329	1.339	-0.010	90	4583	0.4000	0.4382	
14 Bromomethane	94	1.598	1.598	0.000	86	2509	0.4000	0.4176	M
15 Chloroethane	64	1.691	1.691	0.000	92	1868	0.4000	0.3331	M
17 Trichlorofluoromethane	101	1.899	1.899	0.000	68	4699	0.4000	0.3878	
16 Dichlorofluoromethane	67	1.899	1.899	0.000	92	6771	0.4000	0.4771	
18 Ethyl ether	59	2.179	2.189	-0.010	77	2464	0.4000	0.3472	
20 Acrolein	56	2.365	2.365	0.000	23	2115	2.00	1.62	M
21 112TCTFE	101	2.386	2.386	0.000	72	2854	0.4000	0.3829	
22 1,1-Dichloroethene	96	2.396	2.396	0.000	95	3630	0.4000	0.4654	
23 Acetone	43	2.510	2.510	0.000	97	7755	2.00	2.12	Ma
25 Iodomethane	142	2.541	2.541	0.000	98	5718	0.4000	0.4044	
26 Carbon disulfide	76	2.572	2.572	0.000	100	10891	0.4000	0.4371	
28 3-Chloro-1-propene	41	2.748	2.748	0.000	85	6763	0.4000	0.5653	
27 Methyl acetate	43	2.790	2.790	0.000	98	7360	0.8000	0.8476	
30 Methylene Chloride	84	2.883	2.883	0.000	97	8344	0.4000	0.3523	
31 2-Methyl-2-propanol	59	3.049	3.049	0.000	69	2284	4.00	1.85	
32 Methyl tert-butyl ether	73	3.080	3.080	0.000	94	9115	0.4000	0.3734	
34 trans-1,2-Dichloroethene	96	3.090	3.090	0.000	92	3032	0.4000	0.3540	
33 Acrylonitrile	53	3.142	3.142	0.000	95	14042	4.00	2.89	Ma
35 Hexane	57	3.256	3.267	-0.011	82	5515	0.4000	0.4563	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.464	3.463	0.001	93	5378	0.4000	0.3706	a
37 Vinyl acetate	43	3.515	3.515	0.000	97	10336	0.8000	0.7197	
44 2,2-Dichloropropane	77	3.909	3.909	0.000	90	3127	0.4000	0.3967	
45 cis-1,2-Dichloroethene	96	3.940	3.940	0.000	76	3259	0.4000	0.3547	
43 2-Butanone (MEK)	43	3.982	3.971	0.011	100	10529	2.00	1.84	a
48 Chlorobromomethane	128	4.148	4.147	0.001	92	1795	0.4000	0.3537	
49 Tetrahydrofuran	42	4.158	4.158	0.000	88	4909	0.8000	1.15	
50 Chloroform	83	4.210	4.210	0.000	89	7128	0.4000	0.4824	
52 Cyclohexane	56	4.303	4.303	0.000	82	5603	0.4000	0.3881	
51 1,1,1-Trichloroethane	97	4.293	4.303	-0.010	88	5347	0.4000	0.4748	
55 Carbon tetrachloride	117	4.417	4.417	0.000	52	3775	0.4000	0.4446	a
54 1,1-Dichloropropene	75	4.427	4.427	0.000	88	4222	0.4000	0.3966	
57 Benzene	78	4.593	4.593	0.000	43	12960	0.4000	0.4192	
53 Isobutyl alcohol	43	4.603	4.603	0.000	29	2534	10.0	6.58	a
58 1,2-Dichloroethane	62	4.645	4.645	0.000	94	4827	0.4000	0.4222	
59 n-Heptane	43	4.728	4.728	0.000	83	4299	0.4000	0.3736	Ma
62 Trichloroethene	95	5.080	5.080	0.000	95	3593	0.4000	0.4442	
64 Methylcyclohexane	83	5.173	5.173	0.000	89	5160	0.4000	0.3700	
65 1,2-Dichloropropane	63	5.267	5.277	-0.010	0	2815	0.4000	0.3935	M
67 Dibromomethane	93	5.381	5.381	0.000	0	1812	0.4000	0.3506	M
66 1,4-Dioxane	88		5.391				ND	ND	
68 Dichlorobromomethane	83	5.495	5.495	0.000	93	2692	0.4000	0.3842	
69 2-Chloroethyl vinyl ether	63	5.712	5.712	0.000	76	1954	0.4000	0.4169	
72 cis-1,3-Dichloropropene	75	5.816	5.816	0.000	94	3206	0.4000	0.3387	
73 4-Methyl-2-pentanone (MIBK)	43	5.930	5.930	0.000	93	15266	2.00	1.64	
74 Toluene	92	6.044	6.044	0.000	96	6510	0.4000	0.3911	
77 trans-1,3-Dichloropropene	75	6.251	6.251	0.000	81	2299	0.4000	0.5083	
75 Ethyl methacrylate	69	6.282	6.282	0.000	86	2233	0.4000	0.2920	
79 1,1,2-Trichloroethane	83	6.396	6.396	0.000	91	1732	0.4000	0.3669	
81 Tetrachloroethene	166	6.448	6.448	0.000	0	3030	0.4000	0.4041	M
82 1,3-Dichloropropane	76	6.521	6.521	0.000	0	3274	0.4000	0.3406	M
80 2-Hexanone	43	6.562	6.562	0.000	93	9653	2.00	1.59	
83 Chlorodibromomethane	129	6.707	6.707	0.000	0	1364	0.4000	0.3157	M
84 Ethylene Dibromide	107	6.780	6.790	-0.010	88	2258	0.4000	0.3585	
87 Chlorobenzene	112	7.142	7.142	0.000	96	7375	0.4000	0.3906	
88 Ethylbenzene	91	7.205	7.205	0.000	96	12146	0.4000	0.3882	
89 1,1,1,2-Tetrachloroethane	131	7.215	7.215	0.000	81	2172	0.4000	0.3958	
90 m-Xylene & p-Xylene	106	7.288	7.287	0.001	95	4832	0.4000	0.3831	
91 o-Xylene	106	7.609	7.609	0.000	93	5303	0.4000	0.4108	
92 Styrene	104	7.629	7.629	0.000	92	8270	0.4000	0.4007	
95 Bromoform	173	7.826	7.826	0.000	21	831	0.4000	0.9513	a
94 Isopropylbenzene	105	7.889	7.899	-0.010	95	13105	0.4000	0.3635	
101 Bromobenzene	156	8.168	8.179	-0.011	87	4103	0.4000	0.4455	
97 1,1,2,2-Tetrachloroethane	83	8.199	8.199	0.000	92	3206	0.4000	0.3313	
99 N-Propylbenzene	91	8.231	8.230	0.001	98	15375	0.4000	0.3740	
100 1,2,3-Trichloropropane	110	8.241	8.230	0.011	52	1189	0.4000	0.3165	
98 trans-1,4-Dichloro-2-butene	53	8.241	8.241	0.000	47	1092	0.4000	0.3214	
103 2-Chlorotoluene	126	8.313	8.313	0.000	97	3007	0.4000	0.3403	
102 1,3,5-Trimethylbenzene	105	8.365	8.365	0.000	93	10856	0.4000	0.3584	
105 4-Chlorotoluene	126	8.407	8.407	0.000	96	3155	0.4000	0.3611	Ma
106 tert-Butylbenzene	134	8.624	8.624	0.000	90	2045	0.4000	0.3083	
107 1,2,4-Trimethylbenzene	105	8.676	8.676	0.000	97	12128	0.4000	0.3804	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.801	8.800	0.000	94	13256	0.4000	0.3417	
110 4-Isopropyltoluene	119	8.925	8.925	0.000	96	10966	0.4000	0.3218	
111 1,3-Dichlorobenzene	146	8.935	8.935	0.000	93	6364	0.4000	0.3502	
113 1,4-Dichlorobenzene	146	9.008	9.008	0.000	90	7016	0.4000	0.3712	
115 n-Butylbenzene	91	9.256	9.256	0.000	96	11171	0.4000	0.3625	
116 1,2-Dichlorobenzene	146	9.319	9.319	0.000	97	6867	0.4000	0.3619	
117 1,2-Dibromo-3-Chloropropane	75	9.992	9.992	0.000	0	427	0.4000	0.8284	M
119 1,2,4-Trichlorobenzene	180	10.635	10.635	0.000	95	5139	0.4000	0.3458	
120 Hexachlorobutadiene	225	10.738	10.738	0.000	88	2714	0.4000	0.3991	Ma
121 Naphthalene	128	10.852	10.852	0.000	97	16359	0.4000	0.3367	
122 1,2,3-Trichlorobenzene	180	11.039	11.039	0.000	93	5530	0.4000	0.3772	a
S 126 1,3-Dichloropropene, Total	1				0			0.8470	
S 124 Xylenes, Total	1				0			0.7939	
S 123 Total BTEX	1				0			1.99	
S 125 1,2-Dichloroethene, Total	1				0			0.7087	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00204	Amount Added:	0.40	Units: uL	
GAS CORP mix_00443	Amount Added:	0.40	Units: uL	
C_8260_IS_00152	Amount Added:	2.00	Units: uL	Run Reagent
C_8260_Surr_00169	Amount Added:	2.00	Units: uL	Run Reagent

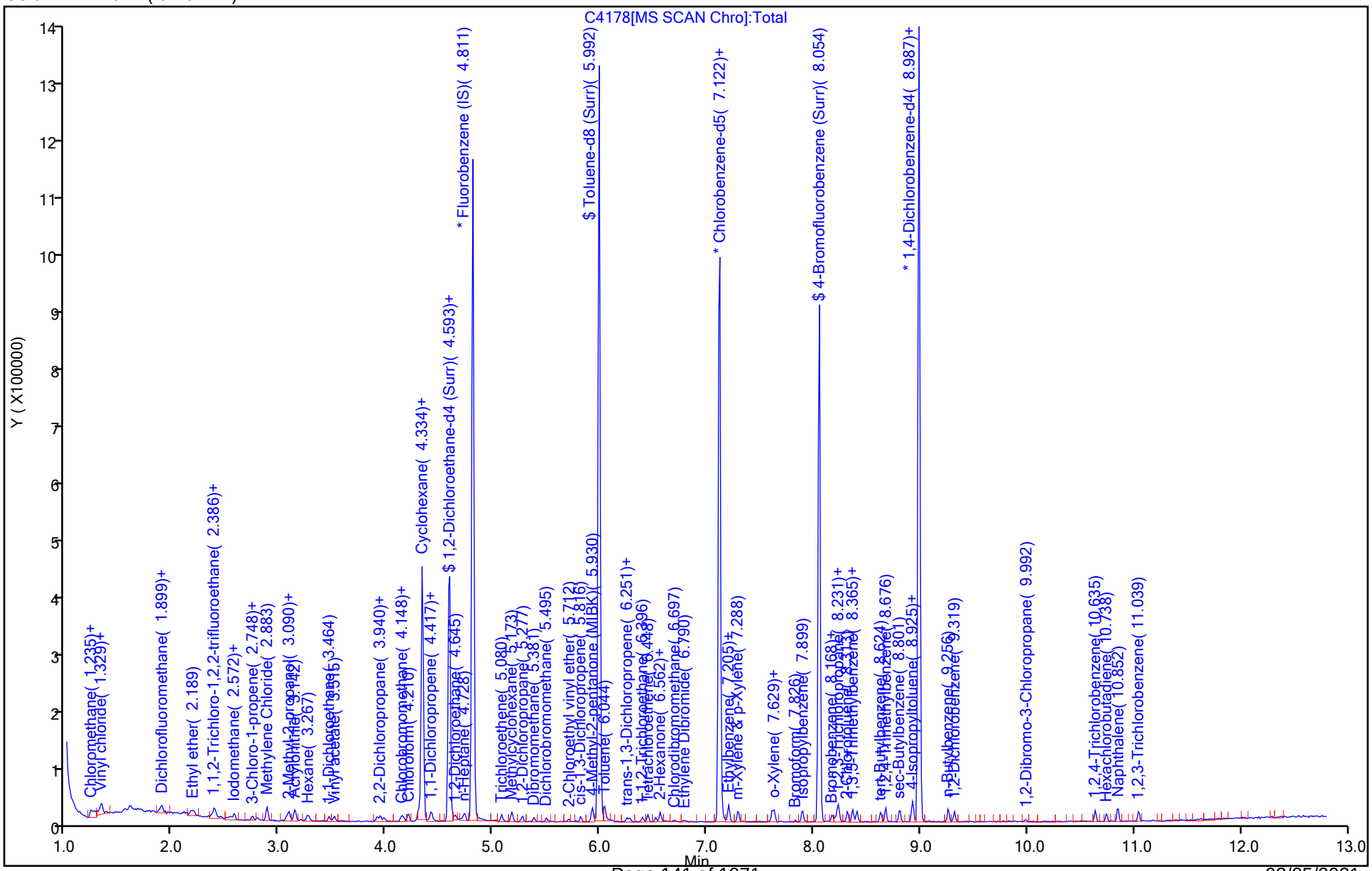
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Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4178.D

Injection Date:	22-Feb-2021 14:50:30	Instrument ID:	HP5973C	Operator ID:	RF
Lims ID:	IC 0.4			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

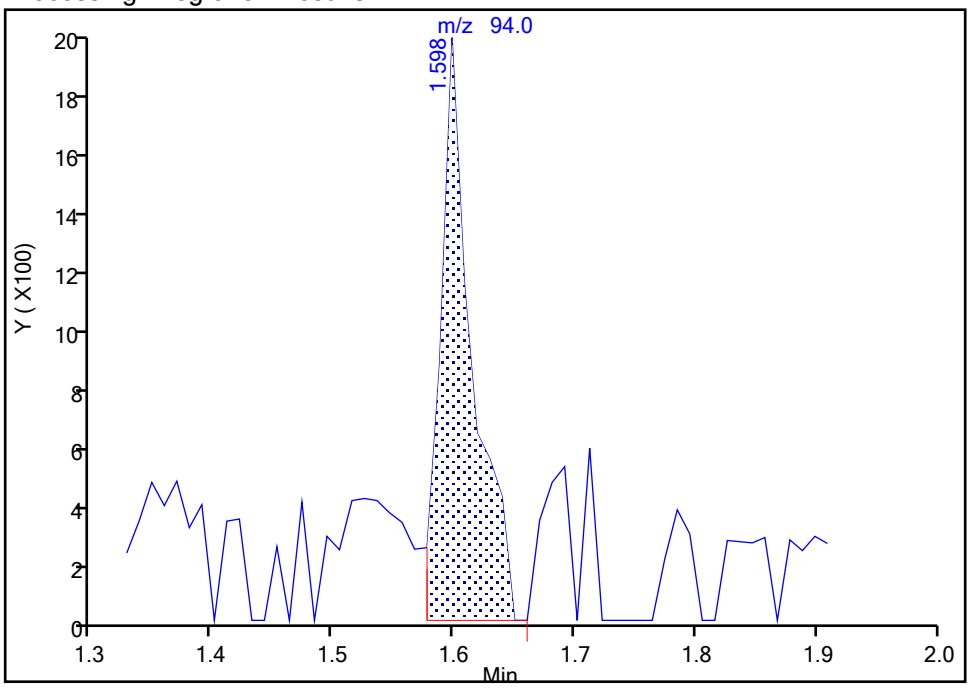
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Injection Date: 22-Feb-2021 14:50:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 4 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

14 Bromomethane, CAS: 74-83-9

Signal: 1

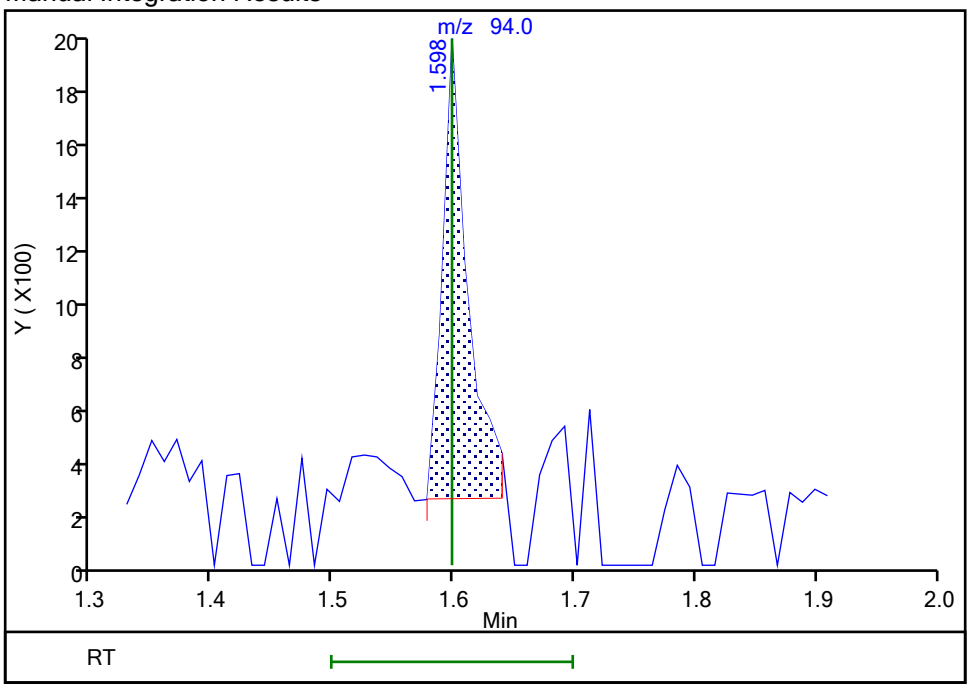
Processing Integration Results

RT: 1.60
Area: 3586
Amount: 0.346658
Amount Units: ug/L



Manual Integration Results

RT: 1.60
Area: 2509
Amount: 0.417588
Amount Units: ug/L



Reviewer: farrellr, 23-Feb-2021 10:52:03
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

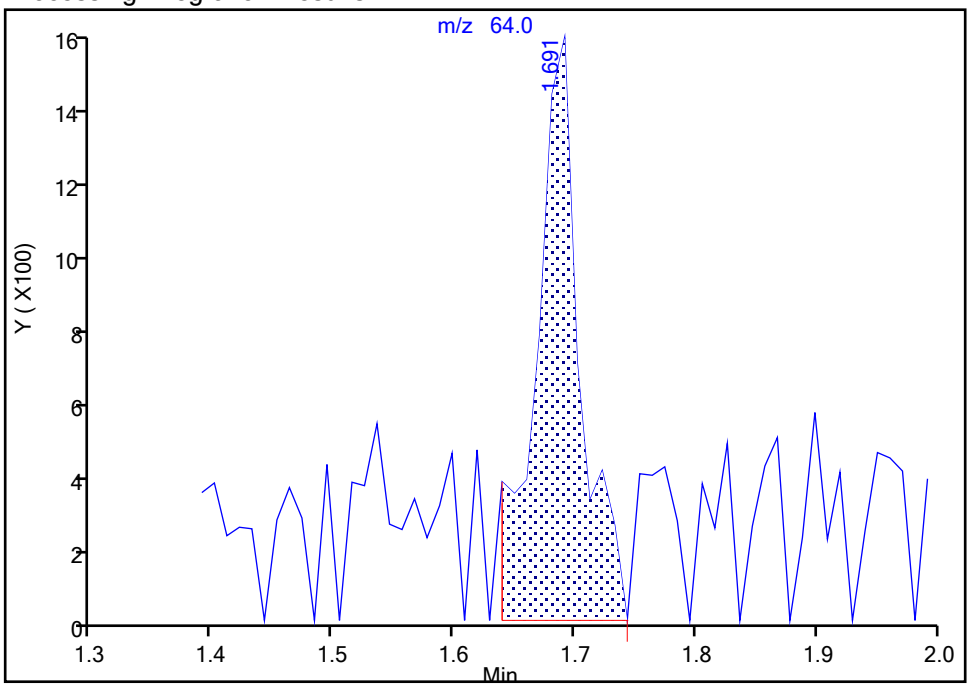
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Injection Date: 22-Feb-2021 14:50:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 4 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

15 Chloroethane, CAS: 75-00-3

Signal: 1

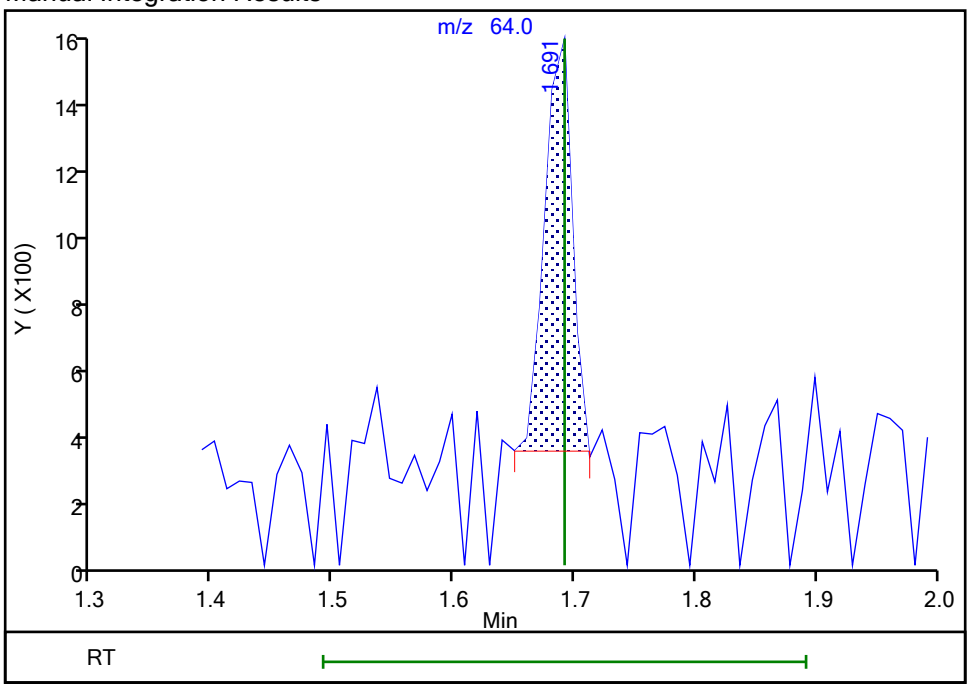
Processing Integration Results

RT: 1.69
Area: 3915
Amount: 0.394360
Amount Units: ug/L



Manual Integration Results

RT: 1.69
Area: 1868
Amount: 0.333090
Amount Units: ug/L



Reviewer: farrellr, 23-Feb-2021 10:52:36
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

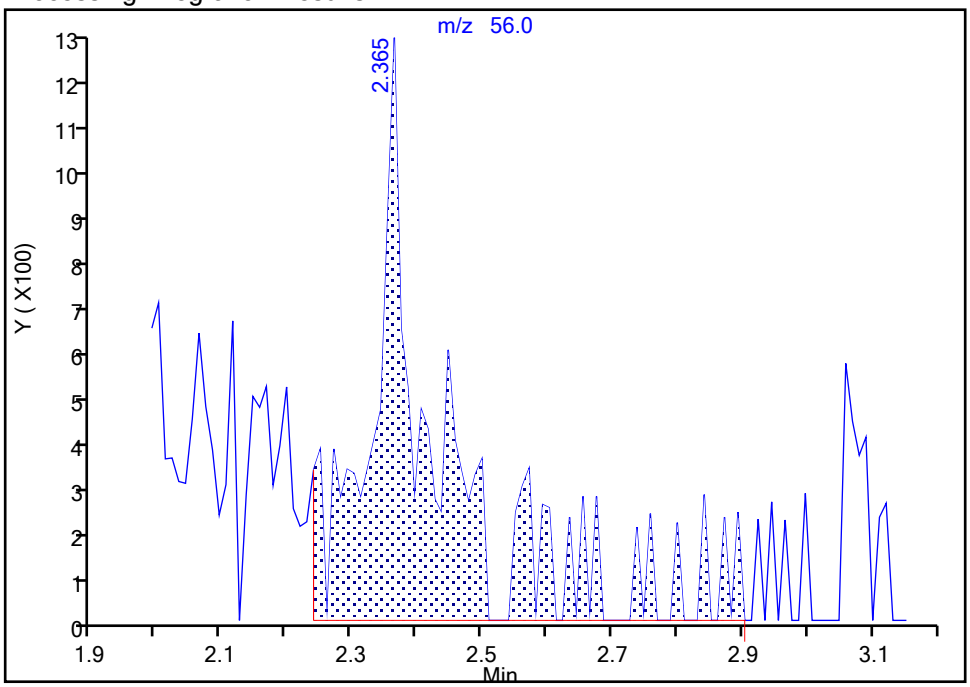
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Injection Date: 22-Feb-2021 14:50:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 4 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

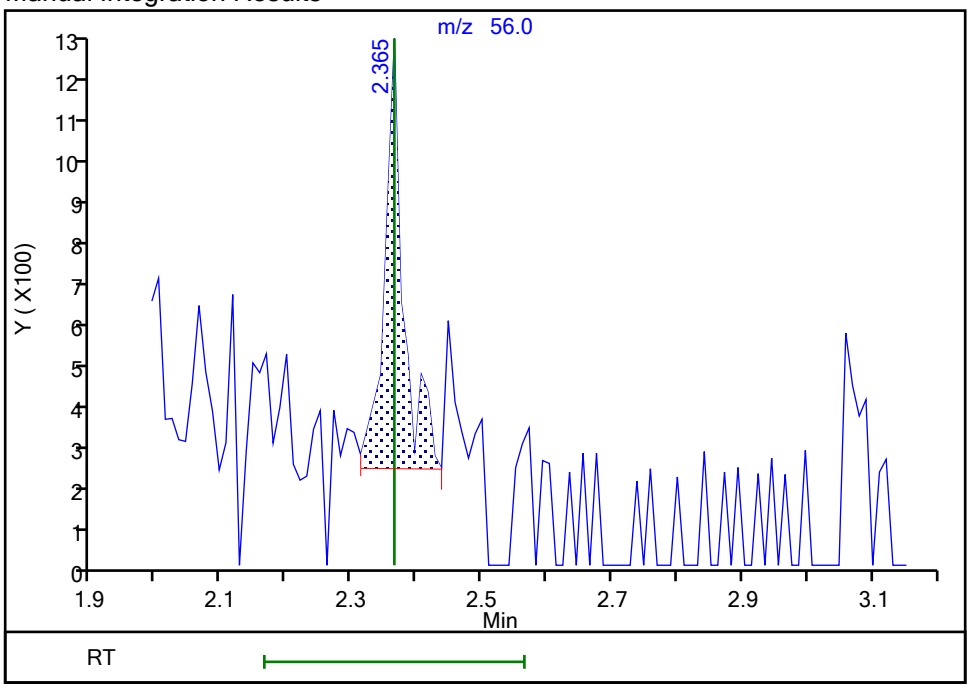
Processing Integration Results

RT: 2.37
Area: 8896
Amount: 2.172626
Amount Units: ug/L



Manual Integration Results

RT: 2.37
Area: 2115
Amount: 1.624585
Amount Units: ug/L



Reviewer: farrellr, 23-Feb-2021 10:53:20
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

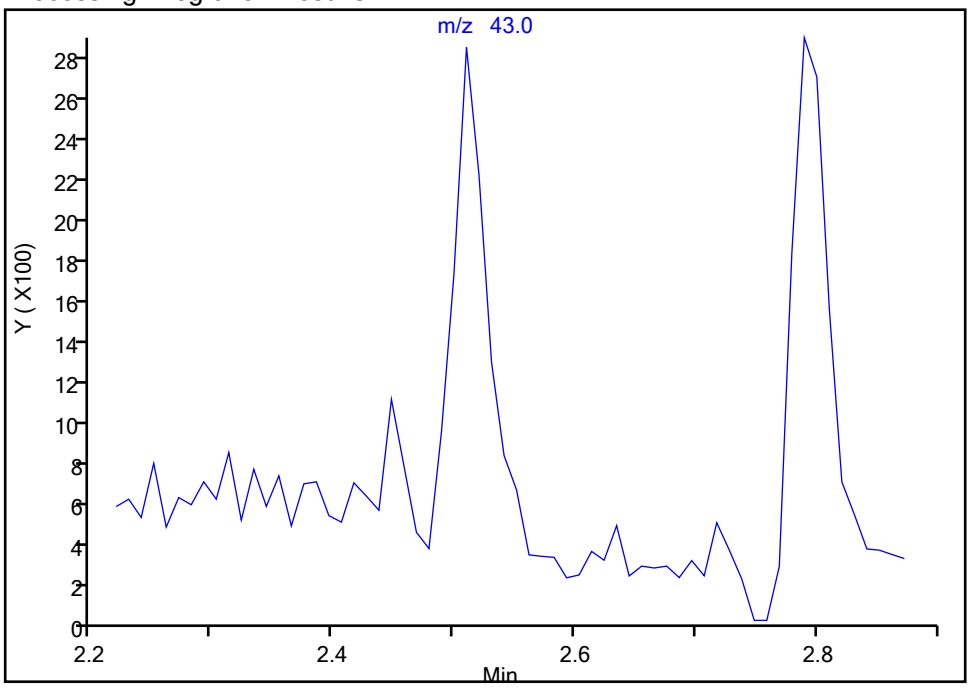
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Injection Date: 22-Feb-2021 14:50:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 4 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

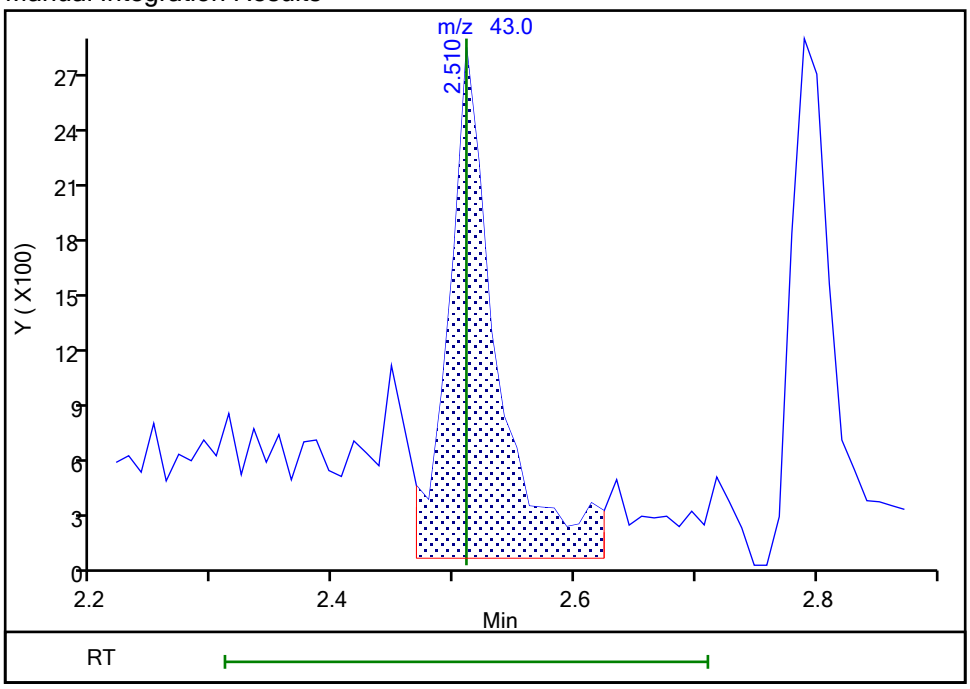
Not Detected
Expected RT: 2.51

Processing Integration Results



Manual Integration Results

RT: 2.51
Area: 7755
Amount: 2.120515
Amount Units: ug/L



Reviewer: farrellr, 23-Feb-2021 11:03:13
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

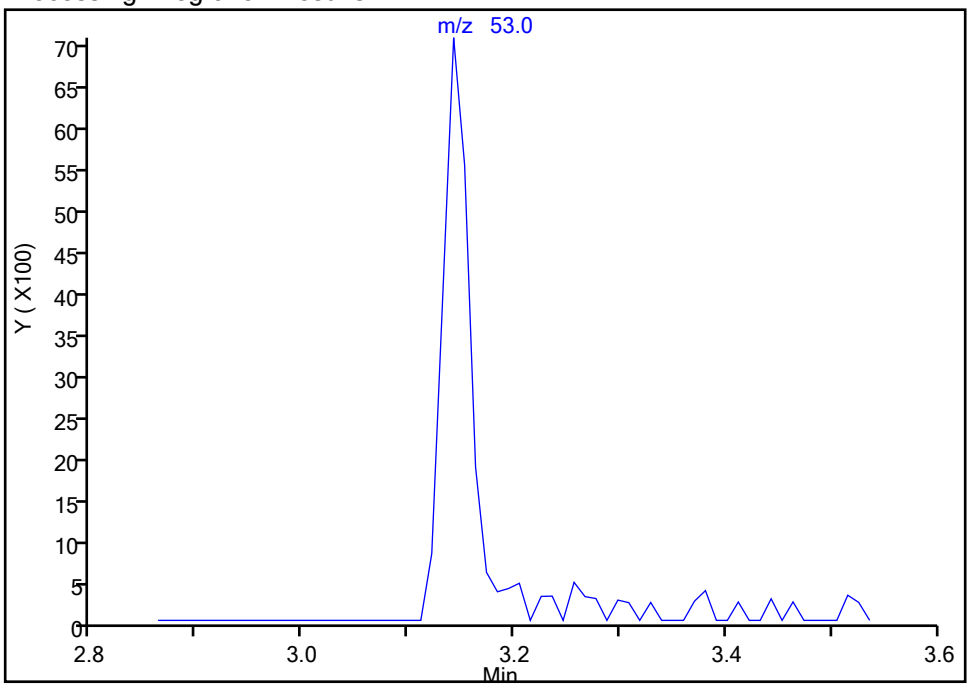
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Injection Date: 22-Feb-2021 14:50:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 4 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

33 Acrylonitrile, CAS: 107-13-1

Signal: 1

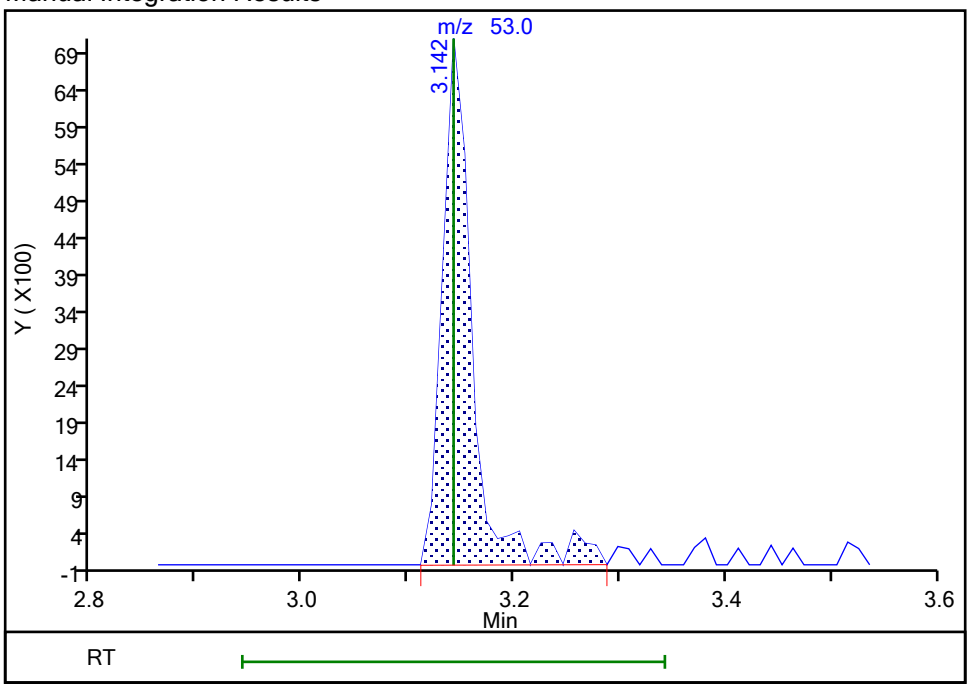
Not Detected
Expected RT: 3.14

Processing Integration Results



Manual Integration Results

RT: 3.14
Area: 14042
Amount: 2.892365
Amount Units: ug/L



Reviewer: HillL, 25-Feb-2021 11:21:16
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

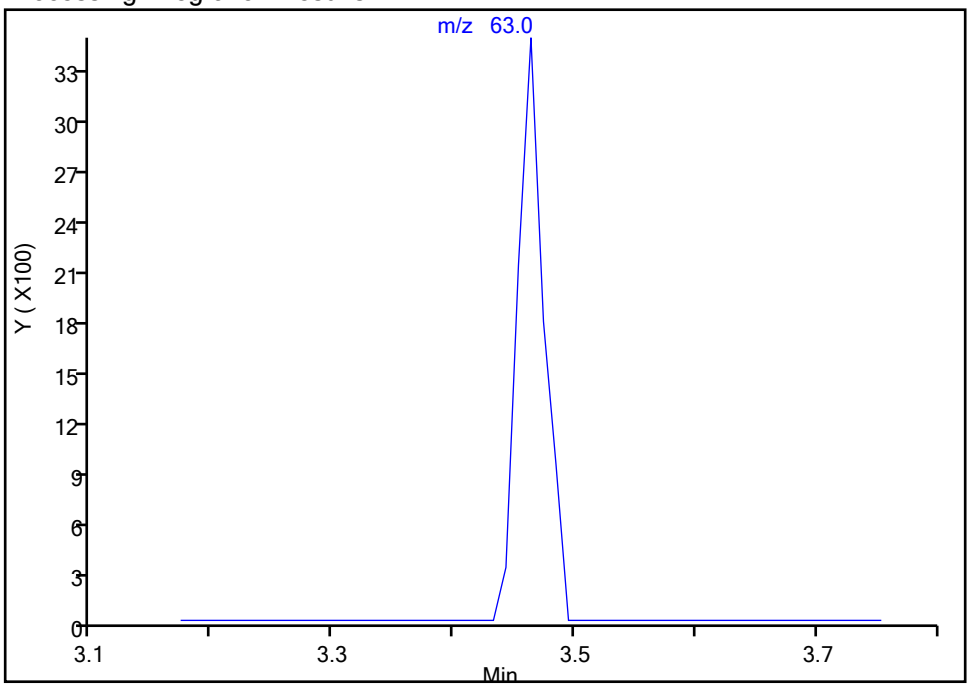
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4178.D
Injection Date: 22-Feb-2021 14:50:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 4 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

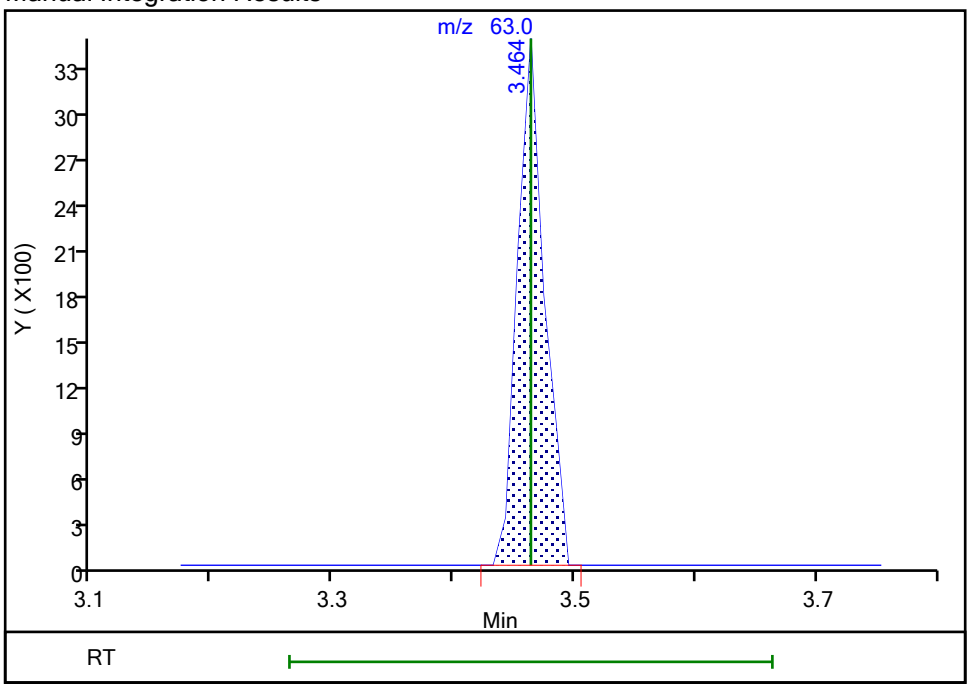
Not Detected
Expected RT: 3.46

Processing Integration Results



Manual Integration Results

RT: 3.46
Area: 5378
Amount: 0.370631
Amount Units: ug/L



Reviewer: farrellr, 23-Feb-2021 10:54:40
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

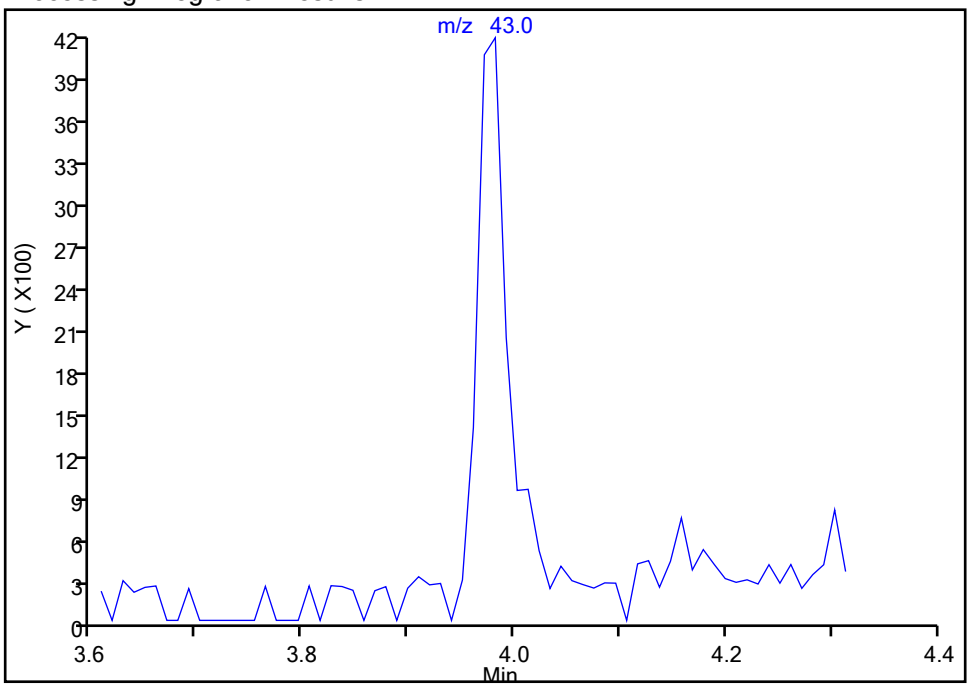
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4178.D
Injection Date: 22-Feb-2021 14:50:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 4 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

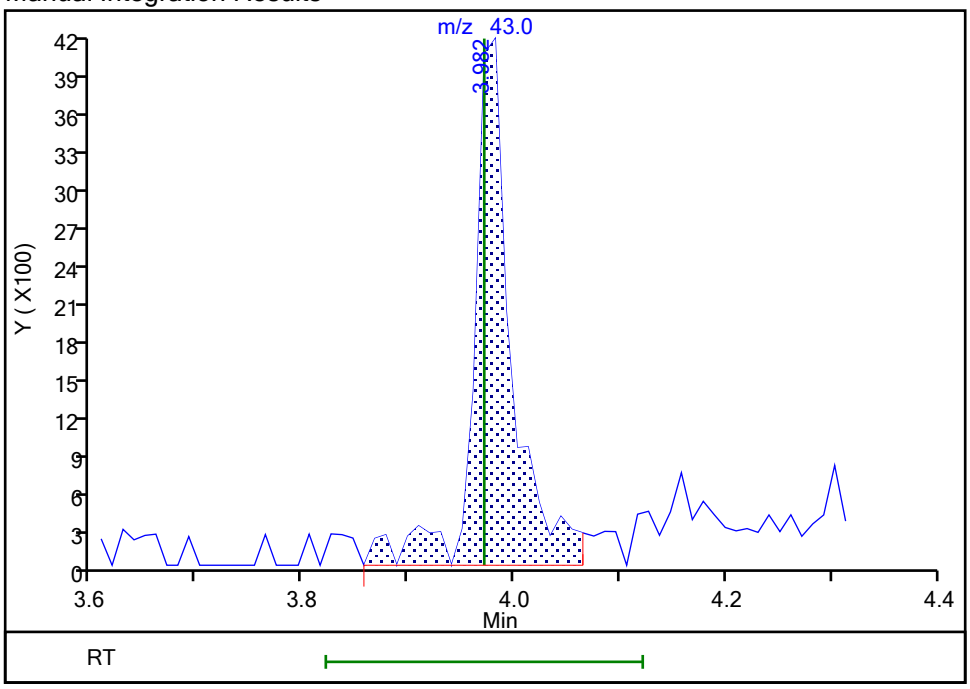
Not Detected
Expected RT: 3.97

Processing Integration Results



Manual Integration Results

RT: 3.98
Area: 10529
Amount: 1.841629
Amount Units: ug/L



Reviewer: farrellr, 23-Feb-2021 10:54:58
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

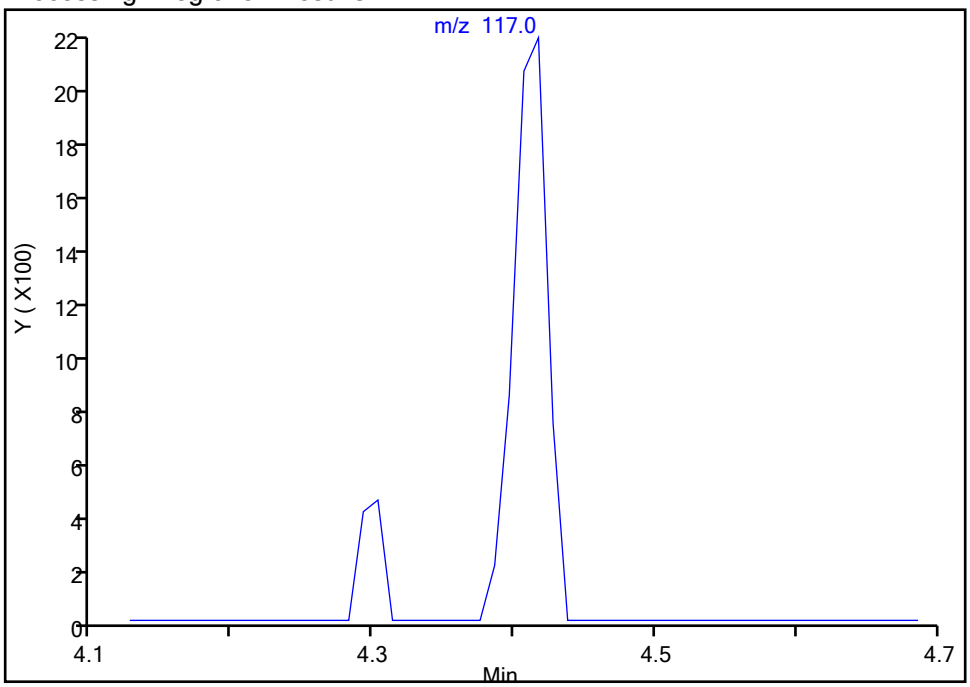
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4178.D
Injection Date: 22-Feb-2021 14:50:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 4 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

55 Carbon tetrachloride, CAS: 56-23-5

Signal: 1

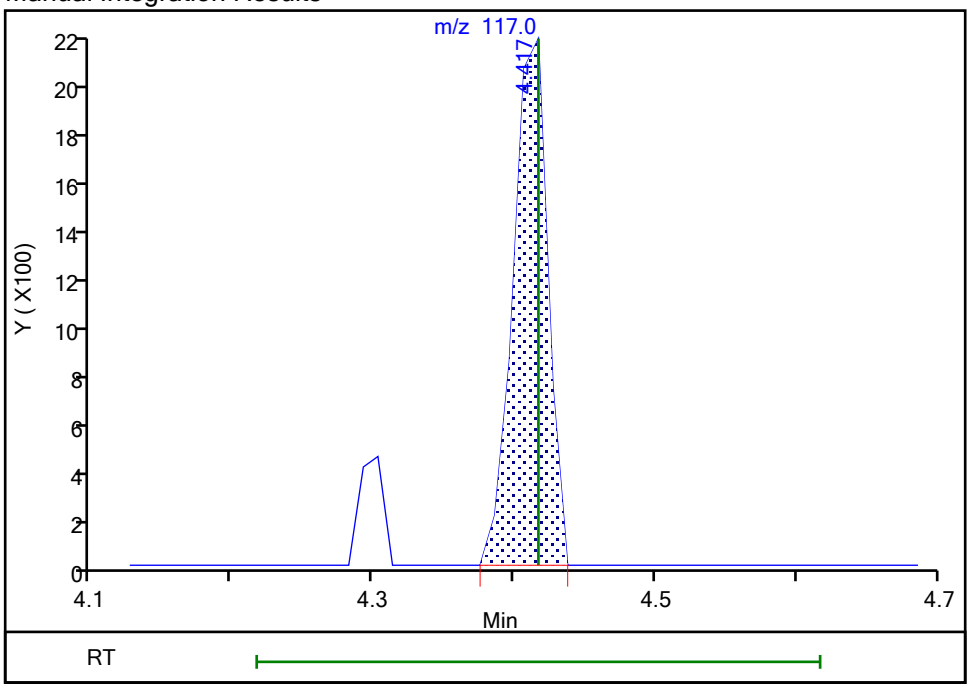
Not Detected
Expected RT: 4.42

Processing Integration Results



Manual Integration Results

RT: 4.42
Area: 3775
Amount: 0.444608
Amount Units: ug/L



Reviewer: farrellr, 23-Feb-2021 10:55:09
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

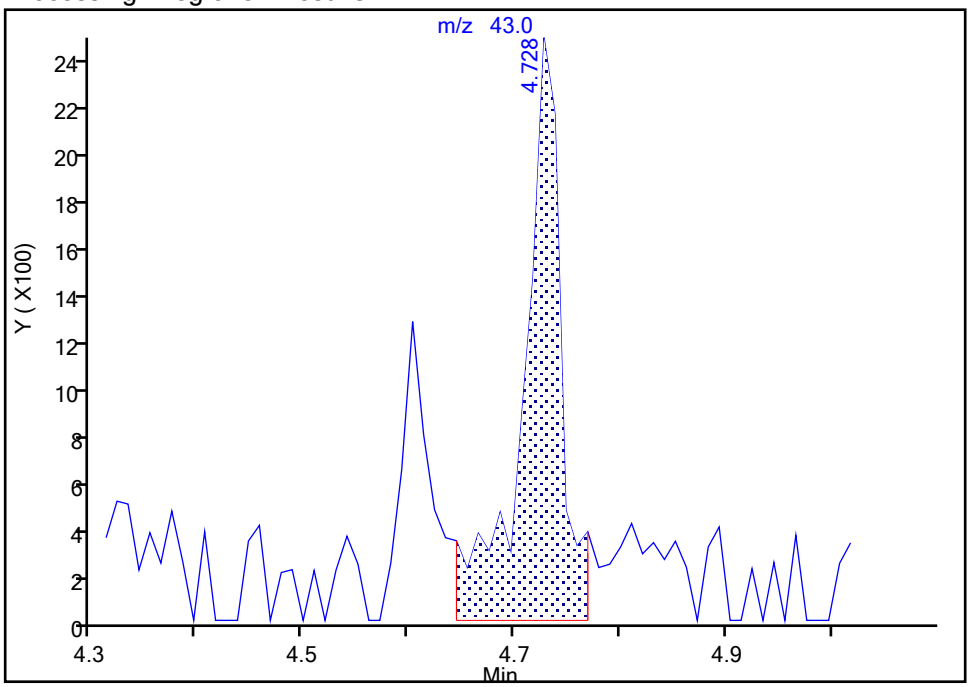
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4178.D
Injection Date: 22-Feb-2021 14:50:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 4 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

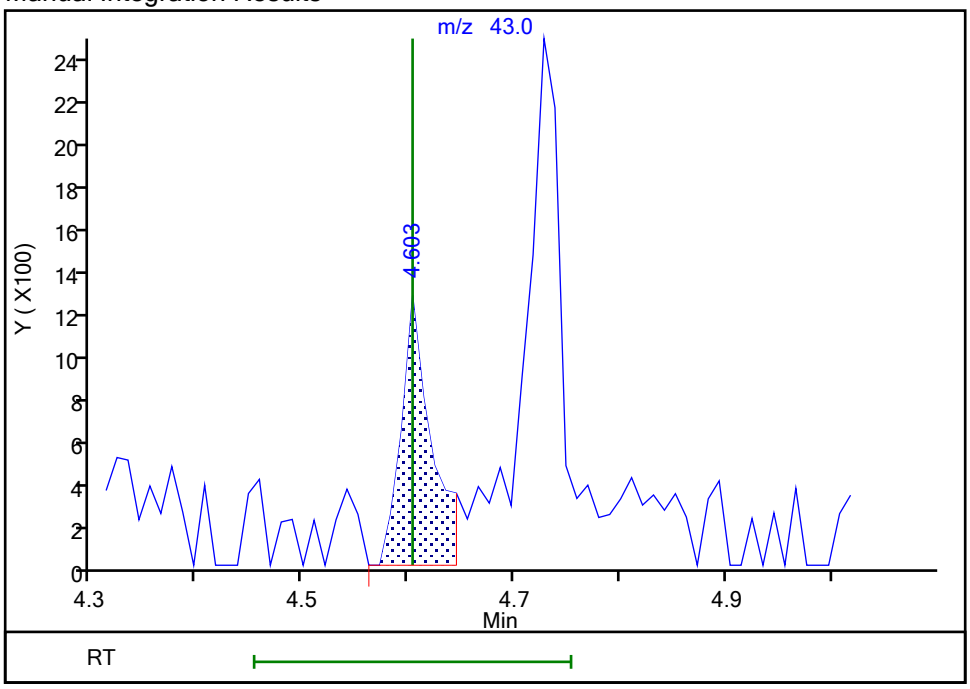
Processing Integration Results

RT: 4.73
Area: 6231
Amount: 10.253384
Amount Units: ug/L



Manual Integration Results

RT: 4.60
Area: 2534
Amount: 6.583594
Amount Units: ug/L



Reviewer: farrellr, 23-Feb-2021 10:55:20
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

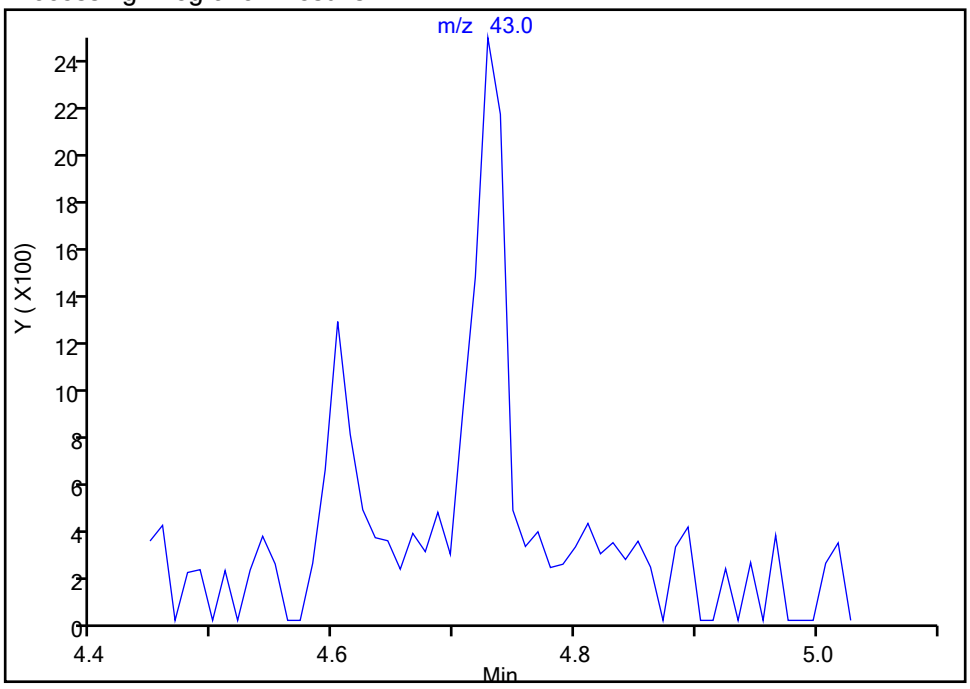
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4178.D
Injection Date: 22-Feb-2021 14:50:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 4 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

59 n-Heptane, CAS: 142-82-5

Signal: 1

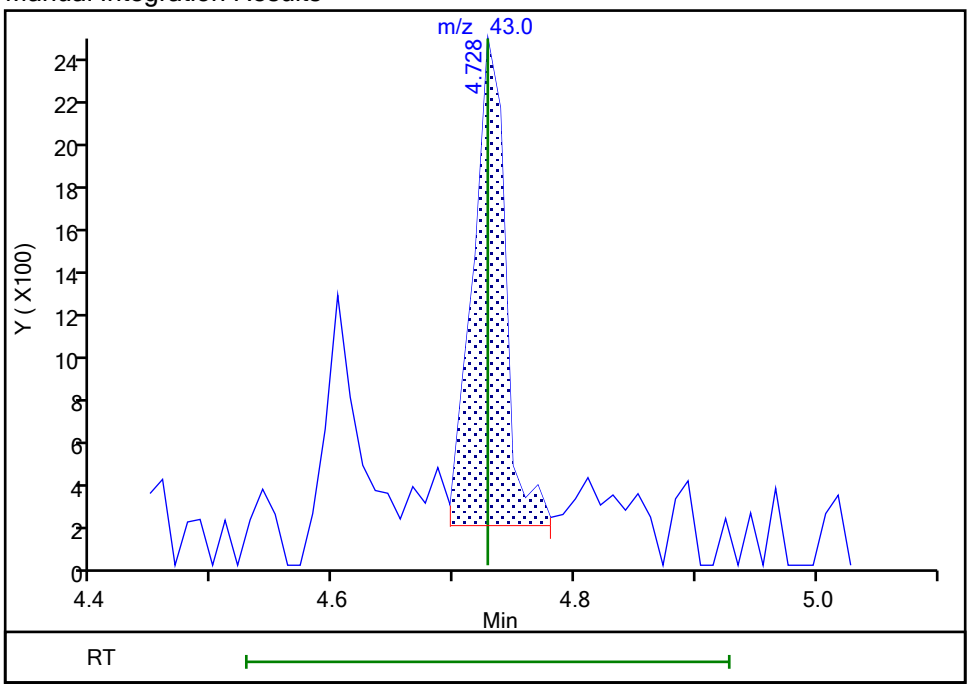
Not Detected
Expected RT: 4.73

Processing Integration Results



Manual Integration Results

RT: 4.73
Area: 4299
Amount: 0.373560
Amount Units: ug/L



Reviewer: HillL, 25-Feb-2021 10:46:49
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

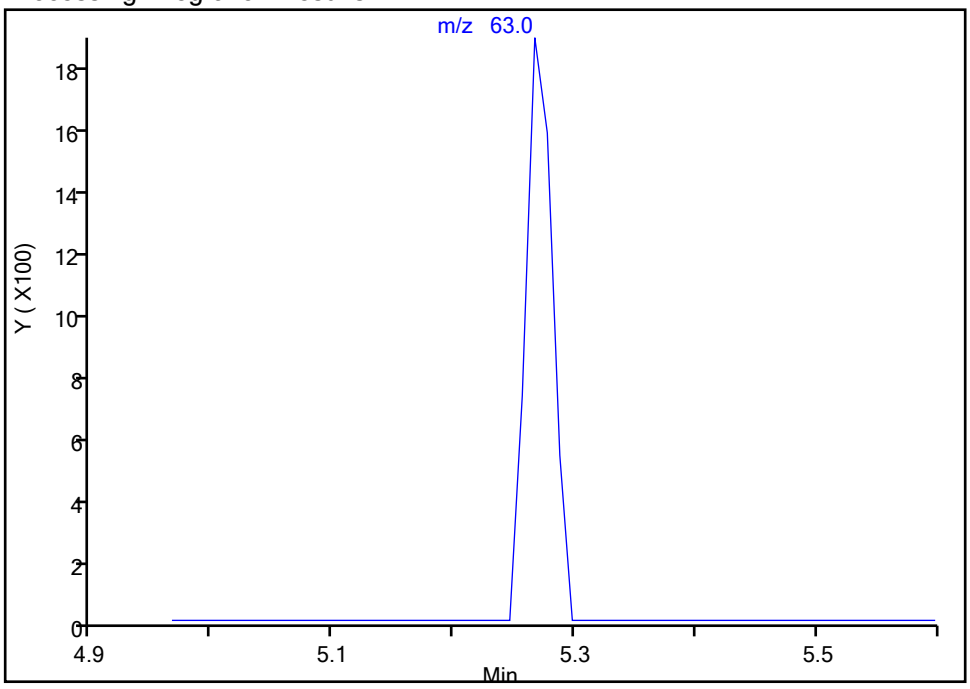
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4178.D
Injection Date: 22-Feb-2021 14:50:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 4 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

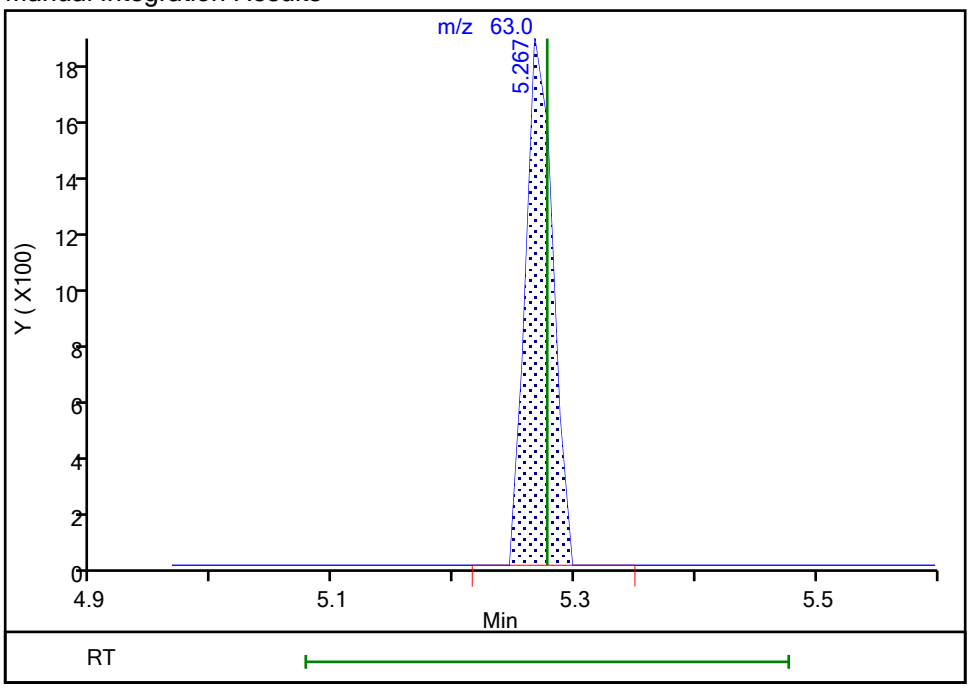
Not Detected
Expected RT: 5.28

Processing Integration Results



Manual Integration Results

RT: 5.27
Area: 2815
Amount: 0.393497
Amount Units: ug/L



Reviewer: farrellr, 23-Feb-2021 10:55:36
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

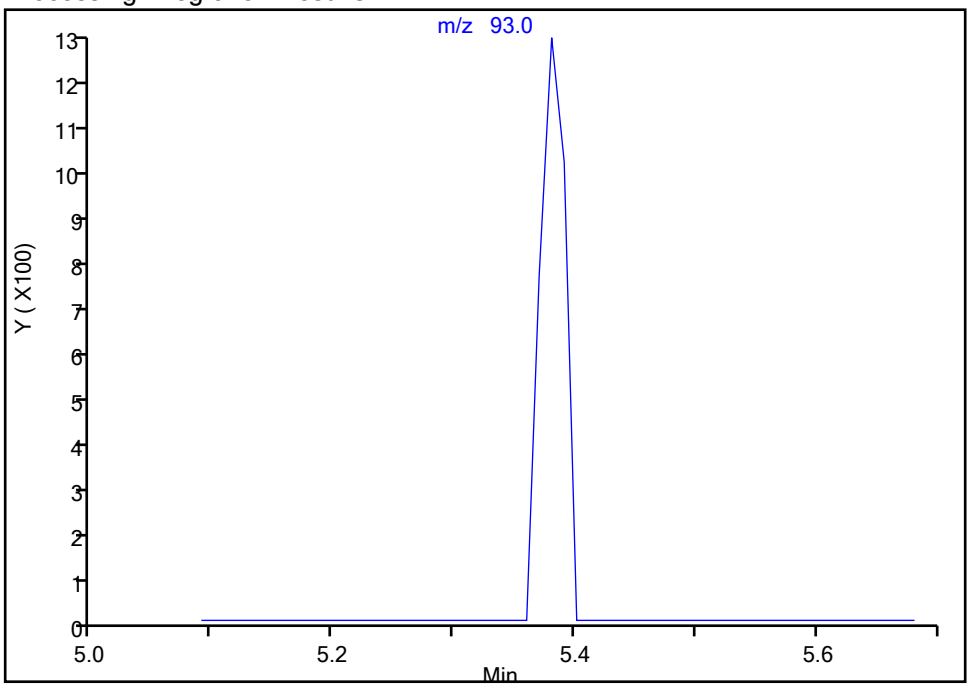
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4178.D
Injection Date: 22-Feb-2021 14:50:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 4 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

67 Dibromomethane, CAS: 74-95-3

Signal: 1

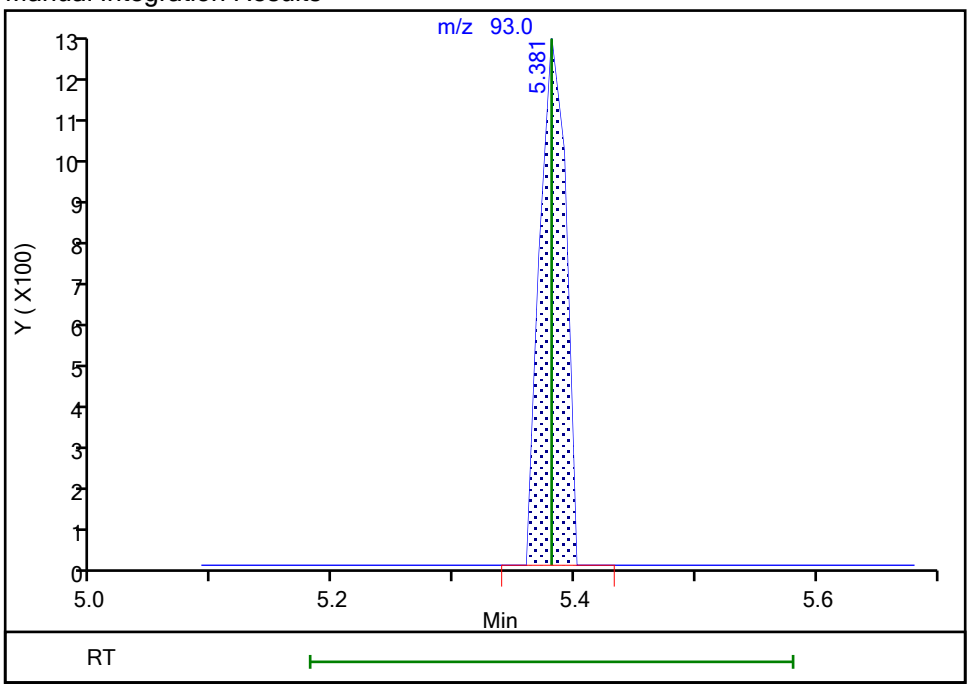
Not Detected
Expected RT: 5.38

Processing Integration Results



Manual Integration Results

RT: 5.38
Area: 1812
Amount: 0.350599
Amount Units: ug/L



Reviewer: farrellr, 23-Feb-2021 10:55:40
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

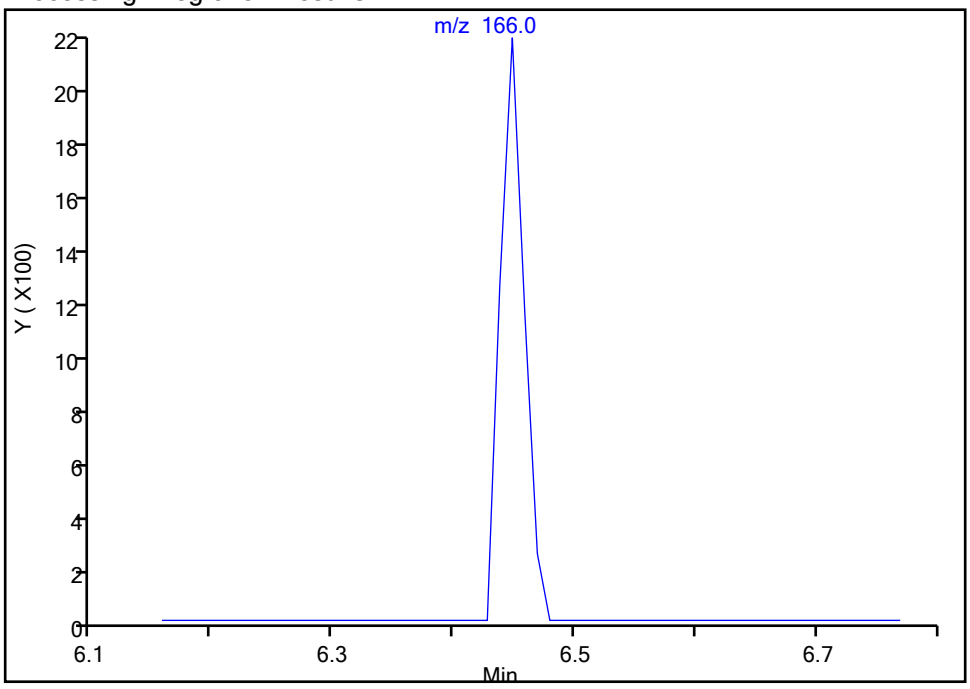
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4178.D
Injection Date: 22-Feb-2021 14:50:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 4 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

81 Tetrachloroethene, CAS: 127-18-4

Signal: 1

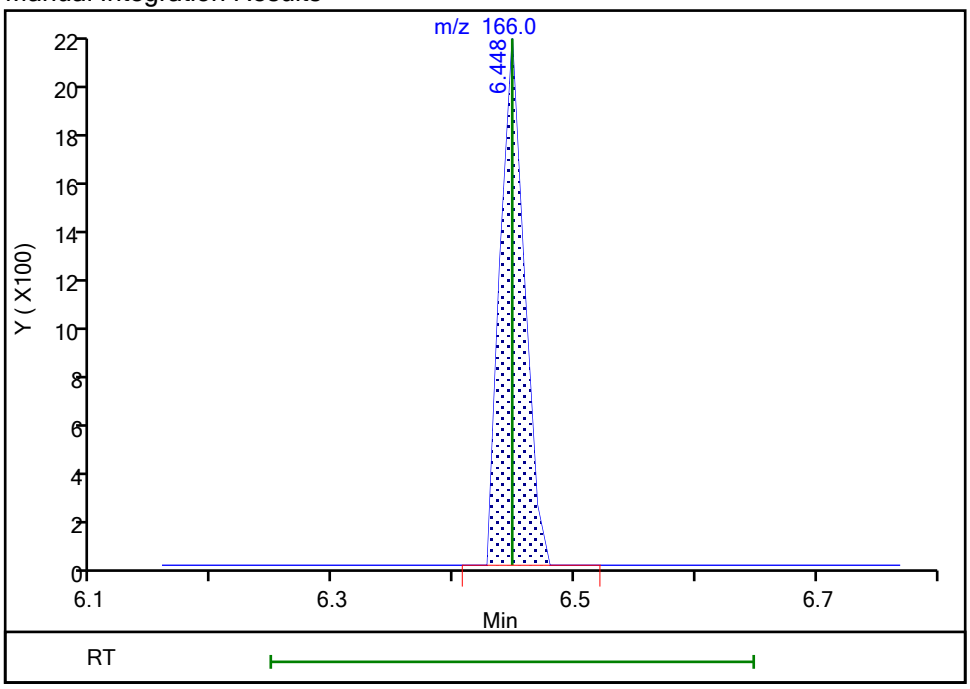
Not Detected
Expected RT: 6.45

Processing Integration Results



Manual Integration Results

RT: 6.45
Area: 3030
Amount: 0.404057
Amount Units: ug/L



Reviewer: farrellr, 23-Feb-2021 10:55:50
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

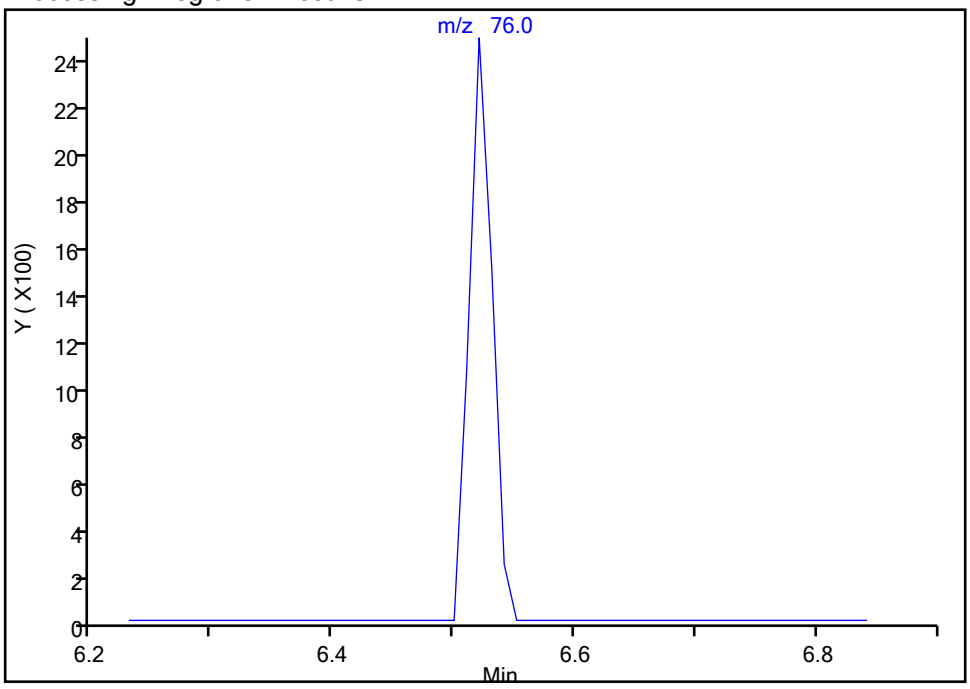
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4178.D
Injection Date: 22-Feb-2021 14:50:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 4 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

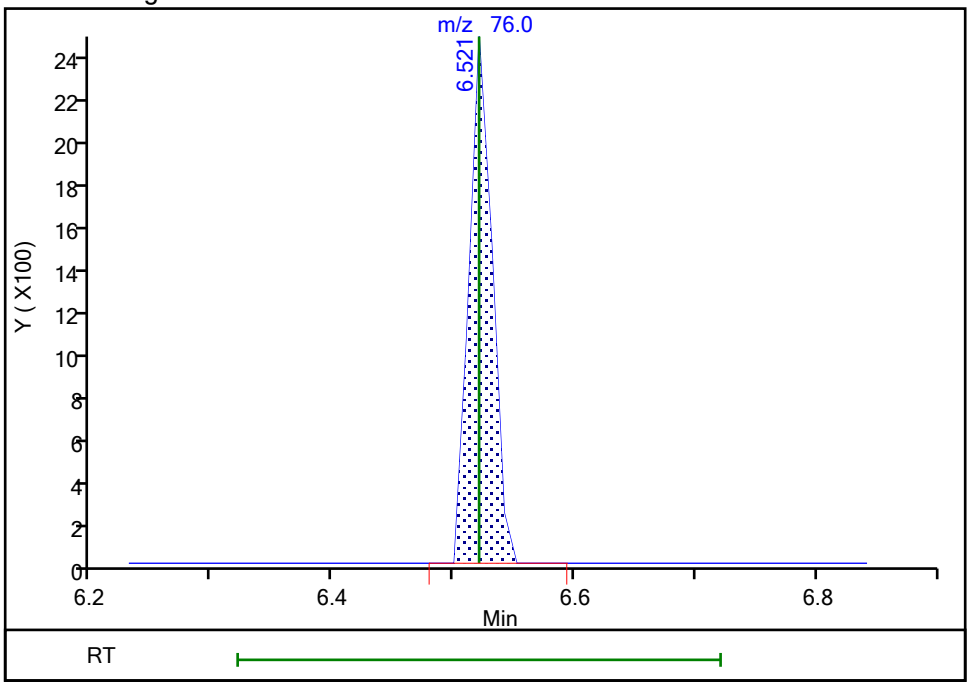
Not Detected
Expected RT: 6.52

Processing Integration Results



Manual Integration Results

RT: 6.52
Area: 3274
Amount: 0.340575
Amount Units: ug/L



Reviewer: farrellr, 23-Feb-2021 10:55:55
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

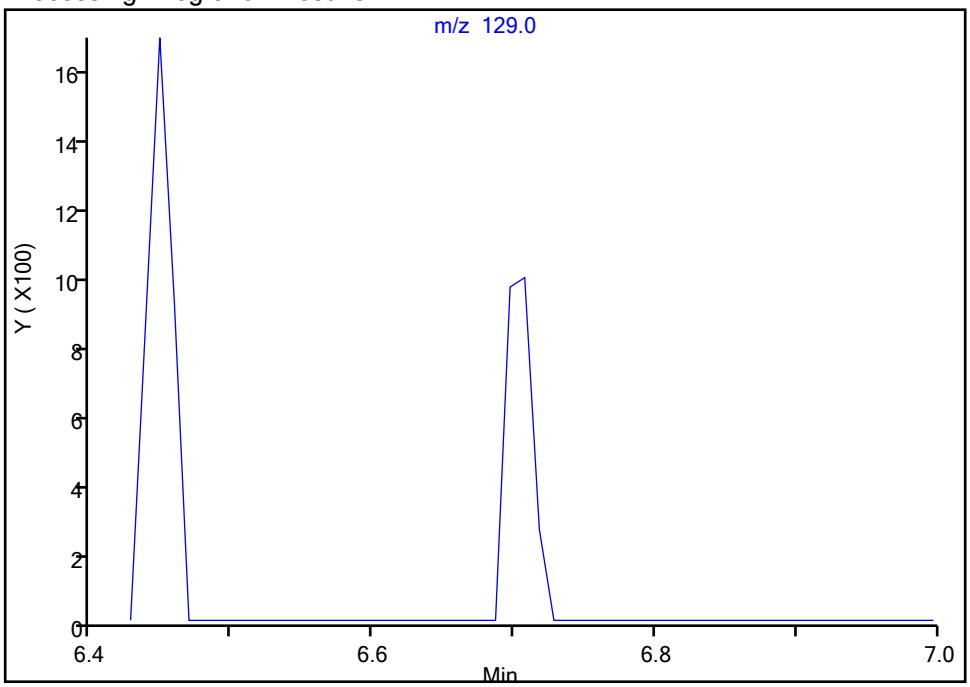
Data File:	\\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4178.D				
Injection Date:	22-Feb-2021 14:50:30	Instrument ID:	HP5973C		
Lims ID:	IC 0.4				
Client ID:					
Operator ID:	RF	ALS Bottle#:	4	Worklist Smp#:	6
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

83 Chlorodibromomethane, CAS: 124-48-1

Signal: 1

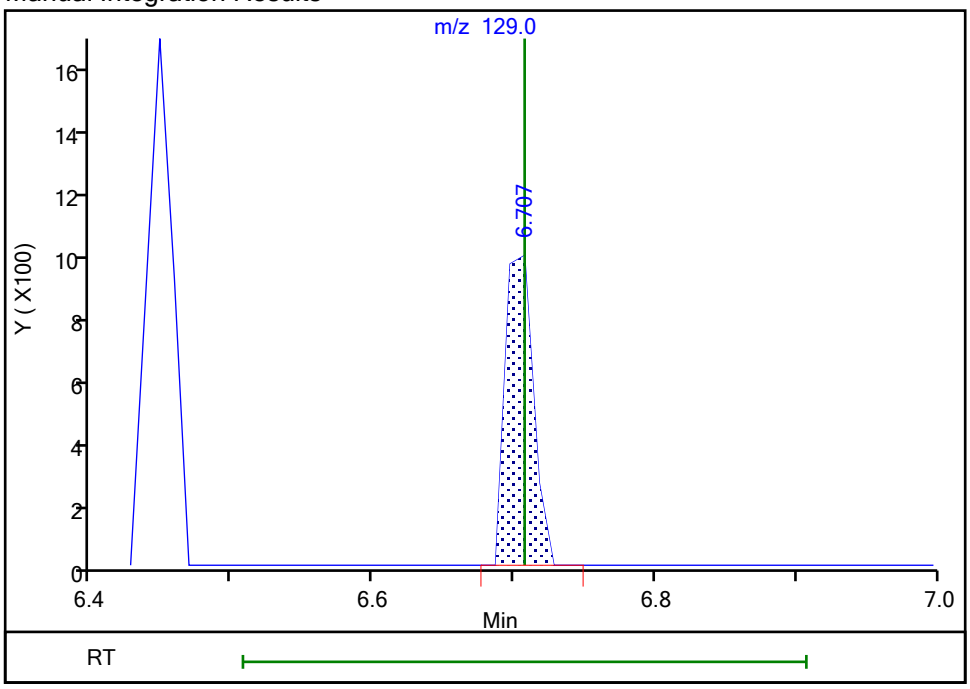
Not Detected
Expected RT: 6.71

Processing Integration Results



Manual Integration Results

RT: 6.71
Area: 1364
Amount: 0.315726
Amount Units: ug/L



Reviewer: HillL, 25-Feb-2021 10:27:48
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

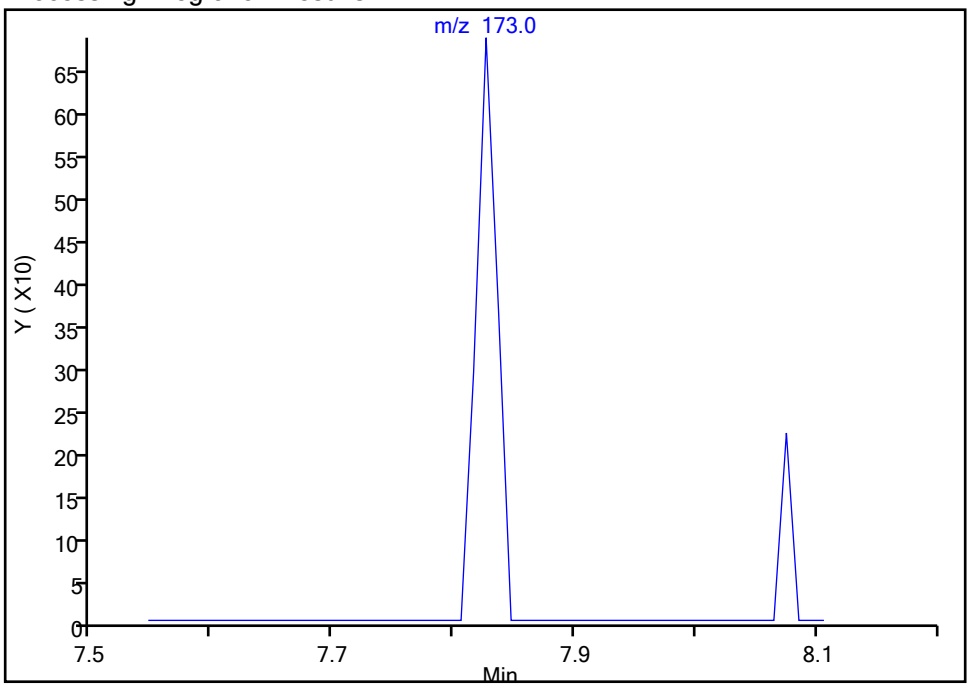
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4178.D
Injection Date: 22-Feb-2021 14:50:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 4 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

95 Bromoform, CAS: 75-25-2

Signal: 1

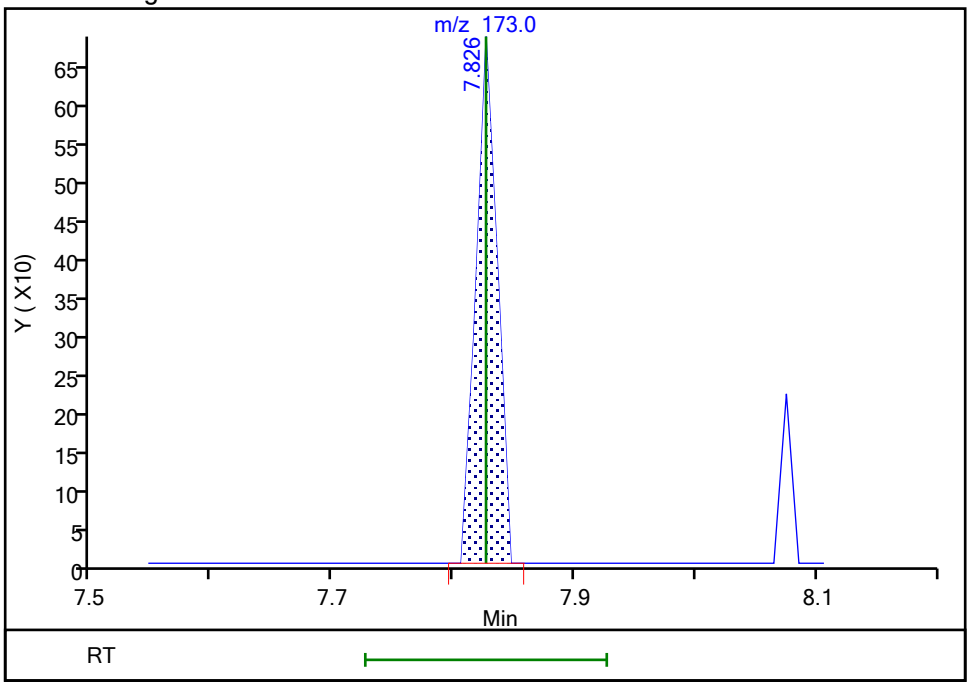
Not Detected
Expected RT: 7.83

Processing Integration Results



Manual Integration Results

RT: 7.83
Area: 831
Amount: 0.951315
Amount Units: ug/L



Reviewer: farrellr, 23-Feb-2021 10:56:10
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

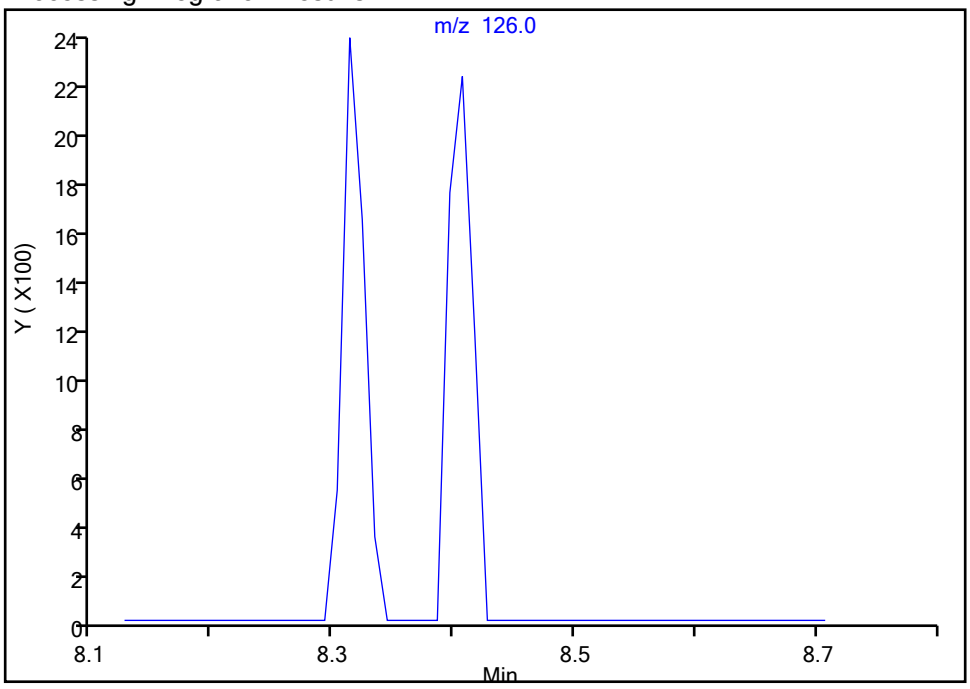
Data File:	\\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4178.D				
Injection Date:	22-Feb-2021 14:50:30	Instrument ID:	HP5973C		
Lims ID:	IC 0.4				
Client ID:					
Operator ID:	RF	ALS Bottle#:	4	Worklist Smp#:	6
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

105 4-Chlorotoluene, CAS: 106-43-4

Signal: 1

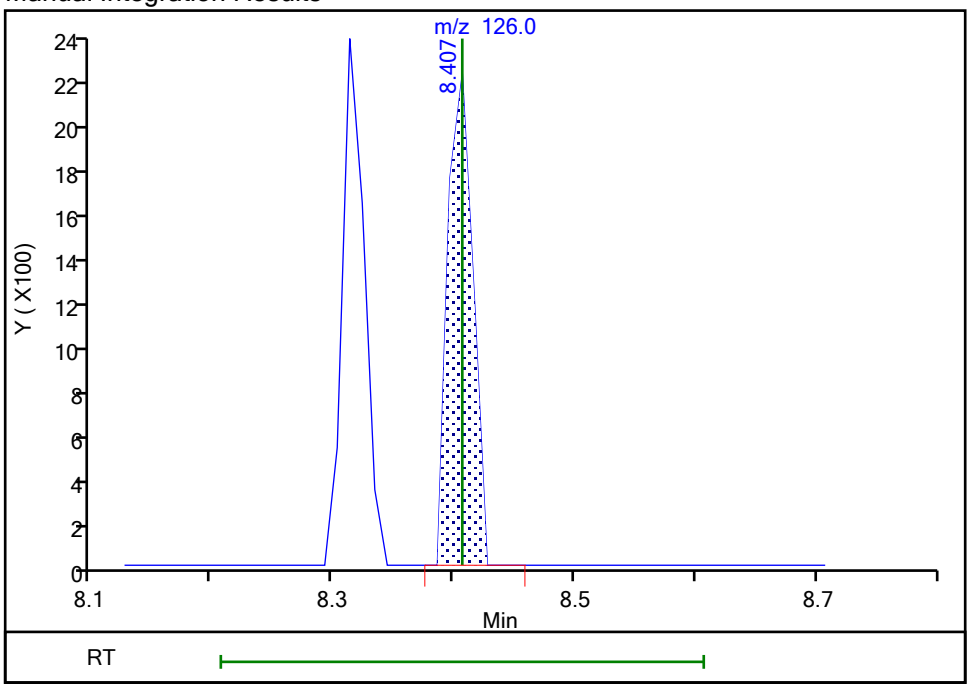
Not Detected
Expected RT: 8.41

Processing Integration Results



Manual Integration Results

RT: 8.41
Area: 3155
Amount: 0.361070
Amount Units: ug/L



Reviewer: farrellr, 23-Feb-2021 10:56:31
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

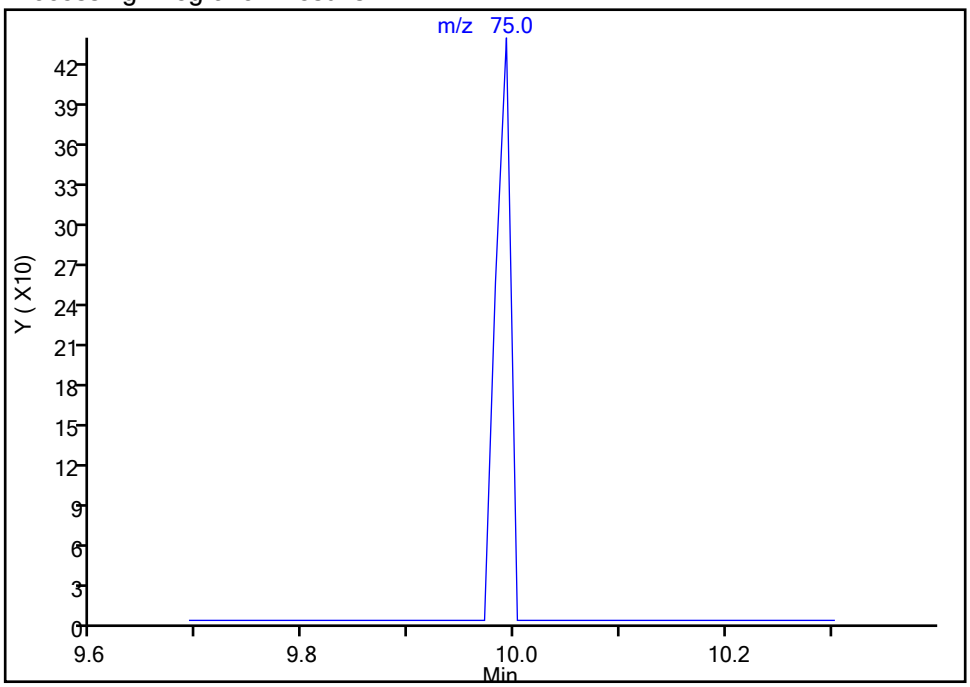
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4178.D
Injection Date: 22-Feb-2021 14:50:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 4 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

117 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Signal: 1

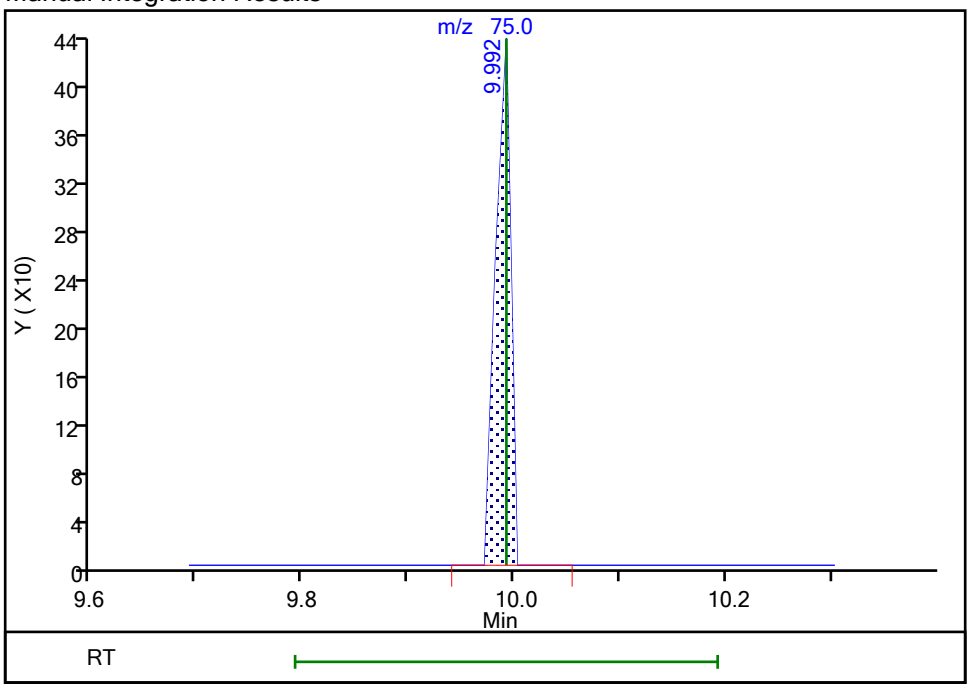
Not Detected
Expected RT: 9.99

Processing Integration Results



Manual Integration Results

RT: 9.99
Area: 427
Amount: 0.828378
Amount Units: ug/L



Reviewer: farrellr, 23-Feb-2021 10:56:41
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

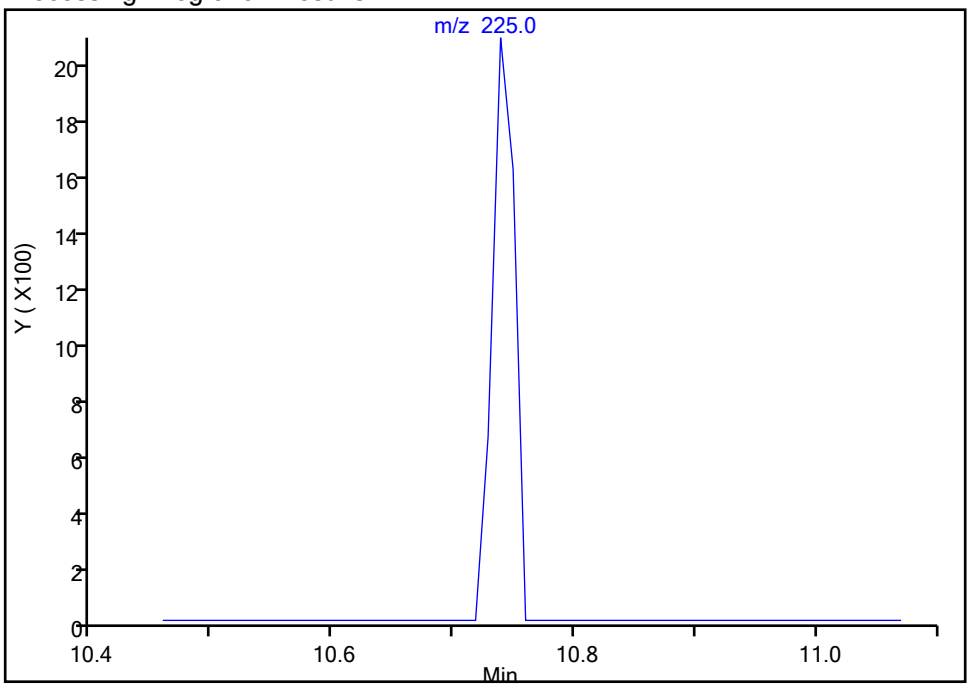
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4178.D
Injection Date: 22-Feb-2021 14:50:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 4 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

120 Hexachlorobutadiene, CAS: 87-68-3

Signal: 1

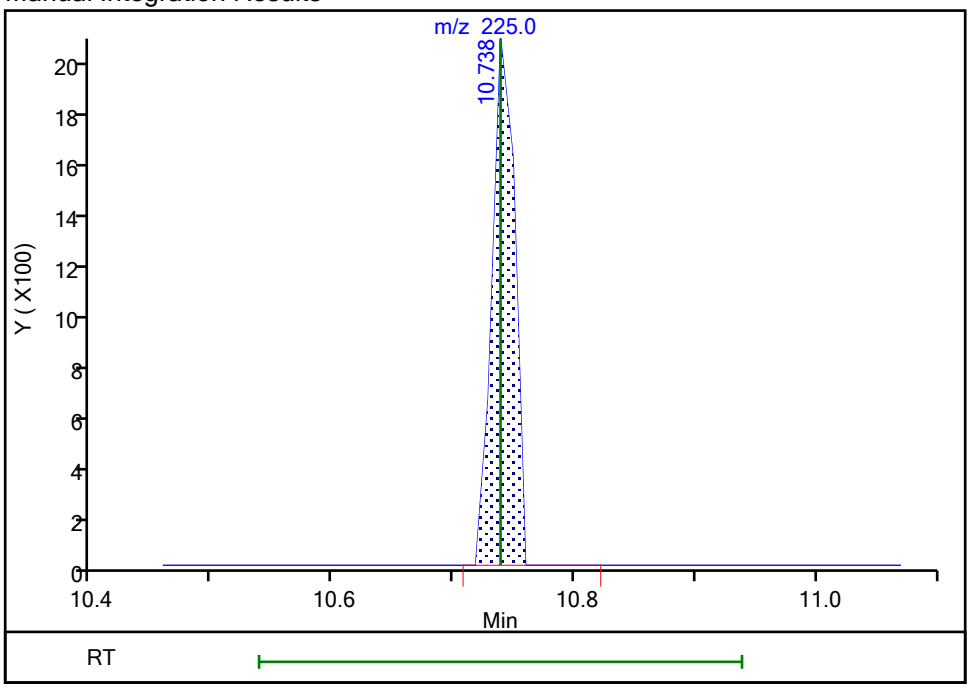
Not Detected
Expected RT: 10.74

Processing Integration Results



Manual Integration Results

RT: 10.74
Area: 2714
Amount: 0.399071
Amount Units: ug/L



Reviewer: farrellr, 23-Feb-2021 10:56:52
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

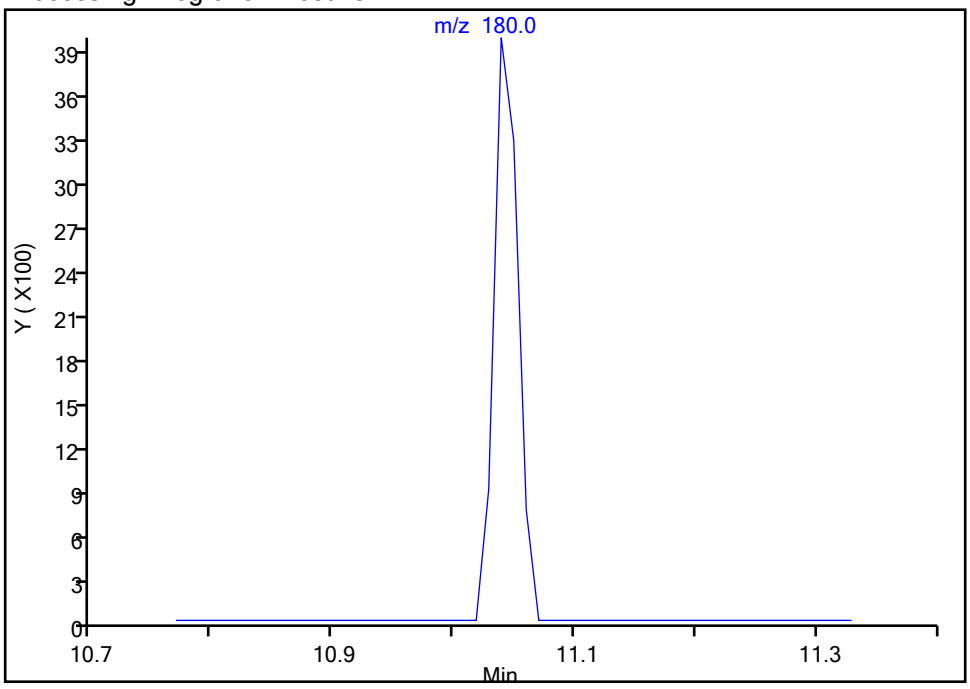
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4178.D
Injection Date: 22-Feb-2021 14:50:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: RF ALS Bottle#: 4 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

122 1,2,3-Trichlorobenzene, CAS: 87-61-6

Signal: 1

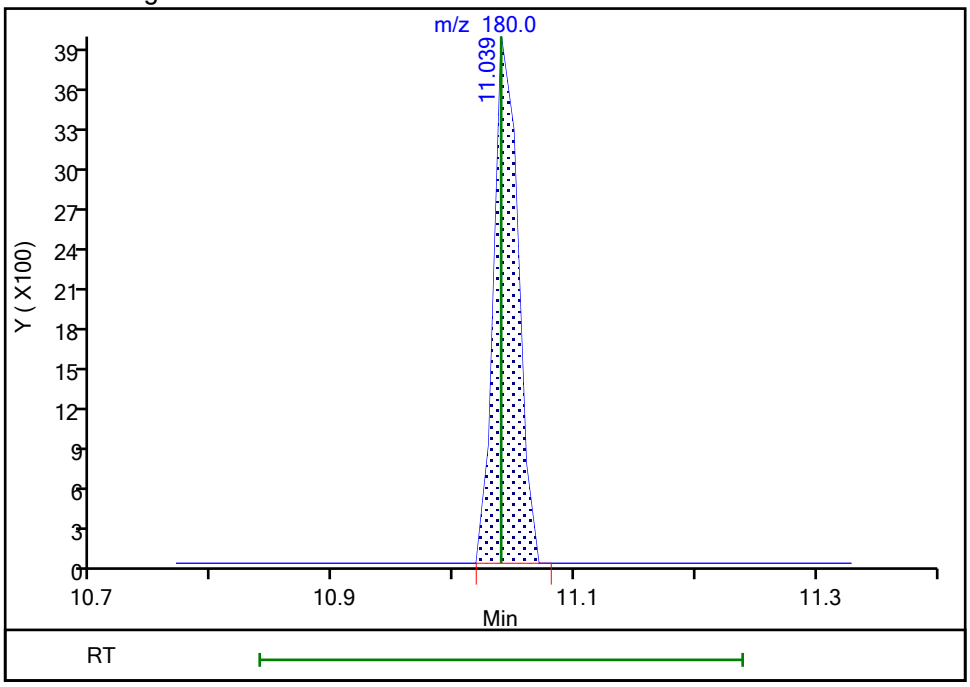
Not Detected
Expected RT: 11.04

Processing Integration Results



Manual Integration Results

RT: 11.04
Area: 5530
Amount: 0.377196
Amount Units: ug/L



Reviewer: farrellr, 23-Feb-2021 10:56:57
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4179.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 22-Feb-2021 15:15:30 ALS Bottle#: 5 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ic
Misc. Info.: 480-0096781-007
Operator ID: RF Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Feb-2021 11:49:14 Calib Date: 22-Feb-2021 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4196.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1673

First Level Reviewer: farrellr Date: 23-Feb-2021 10:59:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.811	4.811	0.000	99	157945	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.122	7.122	0.000	85	295749	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.987	8.987	0.000	94	348097	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.334	4.334	0.000	93	200745	25.0	23.7	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.593	4.593	0.000	99	127856	25.0	24.7	
$ 5 Toluene-d8 (Surr)	98	5.992	5.992	0.000	93	689439	25.0	23.7	
$ 6 4-Bromofluorobenzene (Surr)	174	8.054	8.054	0.000	93	221602	25.0	23.2	
10 Dichlorodifluoromethane	85	1.080	1.070	0.010	99	10543	1.00	0.9678	
12 Chloromethane	50	1.235	1.235	0.000	99	12152	1.00	1.06	
13 Vinyl chloride	62	1.329	1.318	0.011	98	11819	1.00	1.08	
151 Butadiene	54	1.339	1.339	0.000	91	11113	1.00	1.02	
14 Bromomethane	94	1.598	1.598	0.000	96	6441	1.00	1.03	M
15 Chloroethane	64	1.691	1.691	0.000	96	6090	1.00	1.05	M
17 Trichlorofluoromethane	101	1.899	1.899	0.000	69	11724	1.00	0.9322	
16 Dichlorofluoromethane	67	1.899	1.899	0.000	95	16419	1.00	1.11	
18 Ethyl ether	59	2.189	2.189	0.000	89	7710	1.00	1.05	
20 Acrolein	56	2.365	2.365	0.000	80	6631	5.00	4.91	Ma
21 112TCTFE	101	2.396	2.386	0.010	74	7833	1.00	1.01	
22 1,1-Dichloroethene	96	2.396	2.396	0.000	97	8400	1.00	1.04	
23 Acetone	43	2.520	2.510	0.010	98	20595	5.00	5.43	Ma
25 Iodomethane	142	2.552	2.541	0.011	98	14533	1.00	0.99	
26 Carbon disulfide	76	2.583	2.572	0.011	100	25335	1.00	0.9795	
28 3-Chloro-1-propene	41	2.748	2.748	0.000	90	14086	1.00	1.13	
27 Methyl acetate	43	2.800	2.790	0.010	98	19835	2.00	2.20	
30 Methylene Chloride	84	2.883	2.883	0.000	92	14755	1.00	1.06	
31 2-Methyl-2-propanol	59	3.059	3.049	0.010	90	14939	10.0	11.7	
32 Methyl tert-butyl ether	73	3.080	3.080	0.000	98	26172	1.00	1.03	
34 trans-1,2-Dichloroethene	96	3.090	3.090	0.000	97	9624	1.00	1.08	
33 Acrylonitrile	53	3.153	3.142	0.011	100	56390	10.0	11.2	
35 Hexane	57	3.267	3.267	0.000	93	12150	1.00	0.9685	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.464	3.463	0.001	95	15835	1.00	1.05	
37 Vinyl acetate	43	3.515	3.515	0.000	97	27940	2.00	1.87	
44 2,2-Dichloropropane	77	3.919	3.909	0.010	89	8365	1.00	1.02	
45 cis-1,2-Dichloroethene	96	3.951	3.940	0.011	76	10069	1.00	1.06	
43 2-Butanone (MEK)	43	3.982	3.971	0.011	100	32838	5.00	5.53	
48 Chlorobromomethane	128	4.147	4.147	0.000	88	5841	1.00	1.11	
49 Tetrahydrofuran	42	4.158	4.158	0.000	90	10667	2.00	2.41	
50 Chloroform	83	4.210	4.210	0.000	93	17638	1.00	1.15	
52 Cyclohexane	56	4.303	4.303	0.000	87	15465	1.00	1.03	
51 1,1,1-Trichloroethane	97	4.303	4.303	0.000	94	11451	1.00	0.9796	
55 Carbon tetrachloride	117	4.417	4.417	0.000	91	7509	1.00	0.8520	
54 1,1-Dichloropropene	75	4.427	4.427	0.000	94	11328	1.00	1.03	
57 Benzene	78	4.593	4.593	0.000	95	32097	1.00	1.00	
53 Isobutyl alcohol	43	4.603	4.603	0.000	46	9948	25.0	24.9	
58 1,2-Dichloroethane	62	4.645	4.645	0.000	96	13322	1.00	1.12	
59 n-Heptane	43	4.728	4.728	0.000	91	12223	1.00	1.02	
62 Trichloroethene	95	5.080	5.080	0.000	94	8167	1.00	0.9726	
64 Methylcyclohexane	83	5.173	5.173	0.000	91	13892	1.00	0.9597	
65 1,2-Dichloropropane	63	5.277	5.277	0.000	90	7472	1.00	1.01	
67 Dibromomethane	93	5.381	5.381	0.000	92	5218	1.00	0.9726	
66 1,4-Dioxane	88	5.401	5.391	0.010	0	2266	20.0	18.8	M
68 Dichlorobromomethane	83	5.495	5.495	0.000	96	6088	1.00	0.8371	
69 2-Chloroethyl vinyl ether	63	5.712	5.712	0.000	93	4367	1.00	0.8976	
72 cis-1,3-Dichloropropene	75	5.816	5.816	0.000	94	9242	1.00	0.9406	
73 4-Methyl-2-pentanone (MIBK)	43	5.930	5.930	0.000	97	48107	5.00	4.68	
74 Toluene	92	6.044	6.044	0.000	99	18566	1.00	1.01	
77 trans-1,3-Dichloropropene	75	6.251	6.251	0.000	94	8003	1.00	1.07	
75 Ethyl methacrylate	69	6.282	6.282	0.000	82	7156	1.00	0.8479	
79 1,1,2-Trichloroethane	83	6.396	6.396	0.000	93	4890	1.00	0.9385	
81 Tetrachloroethene	166	6.448	6.448	0.000	91	7671	1.00	0.9269	
82 1,3-Dichloropropane	76	6.521	6.521	0.000	91	10077	1.00	0.9498	a
80 2-Hexanone	43	6.562	6.562	0.000	98	32166	5.00	4.79	
83 Chlorodibromomethane	129	6.707	6.707	0.000	82	4256	1.00	0.8926	
84 Ethylene Dibromide	107	6.790	6.790	0.000	98	6135	1.00	0.8826	
87 Chlorobenzene	112	7.142	7.142	0.000	94	21357	1.00	1.02	
88 Ethylbenzene	91	7.205	7.205	0.000	97	34884	1.00	1.01	
89 1,1,1,2-Tetrachloroethane	131	7.215	7.215	0.000	85	4737	1.00	0.7822	
90 m-Xylene & p-Xylene	106	7.287	7.287	0.000	96	13688	1.00	0.9832	
91 o-Xylene	106	7.609	7.609	0.000	93	13205	1.00	0.9269	a
92 Styrene	104	7.629	7.629	0.000	91	21547	1.00	0.9460	
95 Bromoform	173	7.826	7.826	0.000	89	2118	1.00	1.26	Ma
94 Isopropylbenzene	105	7.889	7.899	-0.010	96	37648	1.00	0.9789	
101 Bromobenzene	156	8.179	8.179	0.000	90	9362	1.00	0.9528	
97 1,1,2,2-Tetrachloroethane	83	8.199	8.199	0.000	93	9752	1.00	0.9446	
99 N-Propylbenzene	91	8.220	8.230	-0.010	98	41499	1.00	0.9462	
100 1,2,3-Trichloropropane	110	8.231	8.230	0.001	88	4284	1.00	1.07	
98 trans-1,4-Dichloro-2-butene	53	8.241	8.241	0.000	73	3309	1.00	0.9128	
103 2-Chlorotoluene	126	8.313	8.313	0.000	96	9252	1.00	0.9813	
102 1,3,5-Trimethylbenzene	105	8.365	8.365	0.000	94	29628	1.00	0.9169	
105 4-Chlorotoluene	126	8.407	8.407	0.000	97	8981	1.00	0.9634	
106 tert-Butylbenzene	134	8.624	8.624	0.000	93	6235	1.00	0.8809	
107 1,2,4-Trimethylbenzene	105	8.676	8.676	0.000	97	33078	1.00	0.9724	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.800	8.800	0.000	94	39144	1.00	0.9459	
110 4-Isopropyltoluene	119	8.925	8.925	0.000	96	33770	1.00	0.9288	
111 1,3-Dichlorobenzene	146	8.935	8.935	0.000	98	18990	1.00	0.9796	
113 1,4-Dichlorobenzene	146	9.008	9.008	0.000	93	20667	1.00	1.02	
115 n-Butylbenzene	91	9.256	9.256	0.000	97	30589	1.00	0.9305	
116 1,2-Dichlorobenzene	146	9.319	9.319	0.000	97	20507	1.00	1.01	
117 1,2-Dibromo-3-Chloropropane	75	9.982	9.992	-0.010	0	1688	1.00	1.30	M
119 1,2,4-Trichlorobenzene	180	10.635	10.635	0.000	92	15369	1.00	0.9692	
120 Hexachlorobutadiene	225	10.738	10.738	0.000	89	6158	1.00	0.8487	
121 Naphthalene	128	10.852	10.852	0.000	97	49417	1.00	0.9534	
122 1,2,3-Trichlorobenzene	180	11.039	11.039	0.000	94	14564	1.00	0.9311	
S 126 1,3-Dichloropropene, Total	1				0			2.01	
S 124 Xylenes, Total	1				0			1.91	
S 123 Total BTEX	1				0			4.93	
S 125 1,2-Dichloroethene, Total	1				0			2.14	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00204	Amount Added:	1.00	Units: uL	
GAS CORP mix_00443	Amount Added:	1.00	Units: uL	
C_8260_IS_00152	Amount Added:	2.00	Units: uL	Run Reagent
C_8260_Surr_00169	Amount Added:	2.00	Units: uL	Run Reagent

Report Date: 25-Feb-2021 11:49:17 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4179.D

Injection Date:	22-Feb-2021 15:15:30	Instrument ID:	HP5973C	Operator ID:	RF
Lims ID:	IC			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

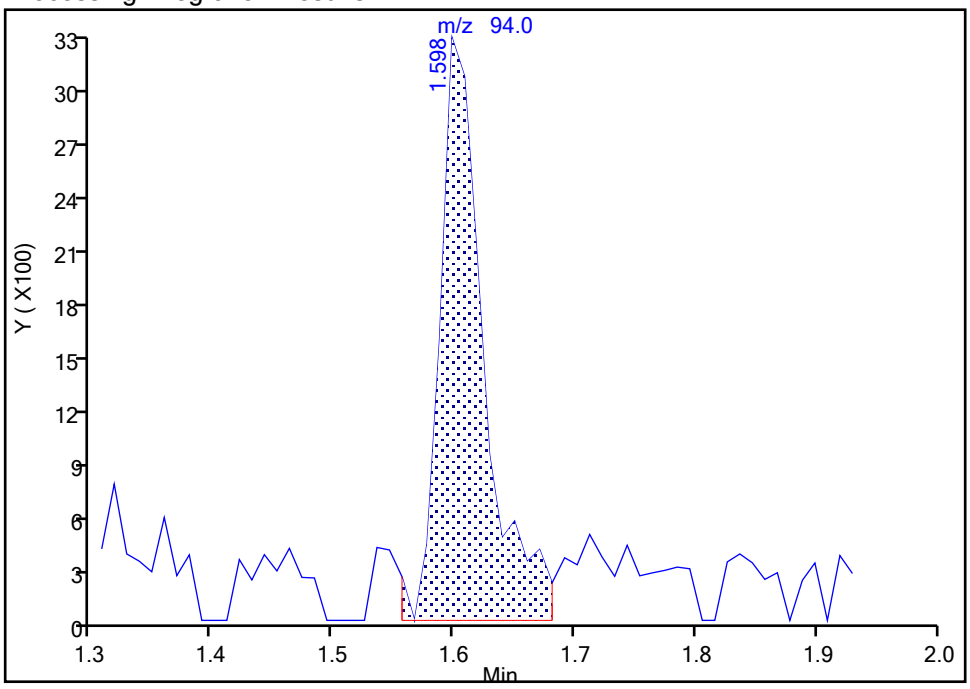
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Injection Date: 22-Feb-2021 15:15:30 Instrument ID: HP5973C
Lims ID: IC
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

14 Bromomethane, CAS: 74-83-9

Signal: 1

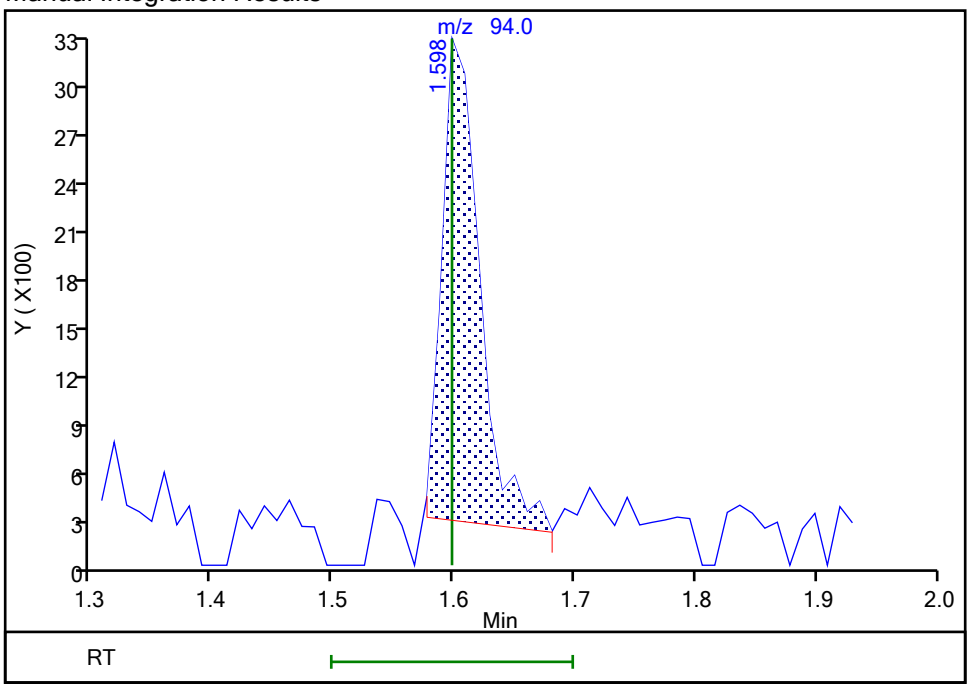
Processing Integration Results

RT: 1.60
Area: 8287
Amount: 1.281323
Amount Units: ug/L



Manual Integration Results

RT: 1.60
Area: 6441
Amount: 1.032744
Amount Units: ug/L



Reviewer: HillL, 25-Feb-2021 10:28:43
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

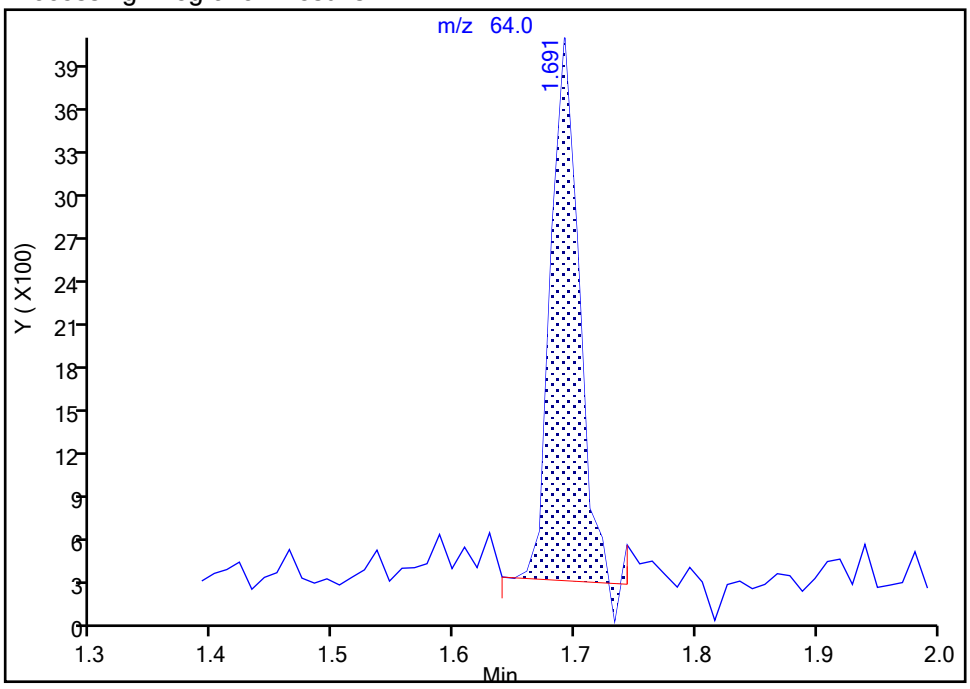
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Injection Date: 22-Feb-2021 15:15:30 Instrument ID: HP5973C
Lims ID: IC
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

15 Chloroethane, CAS: 75-00-3

Signal: 1

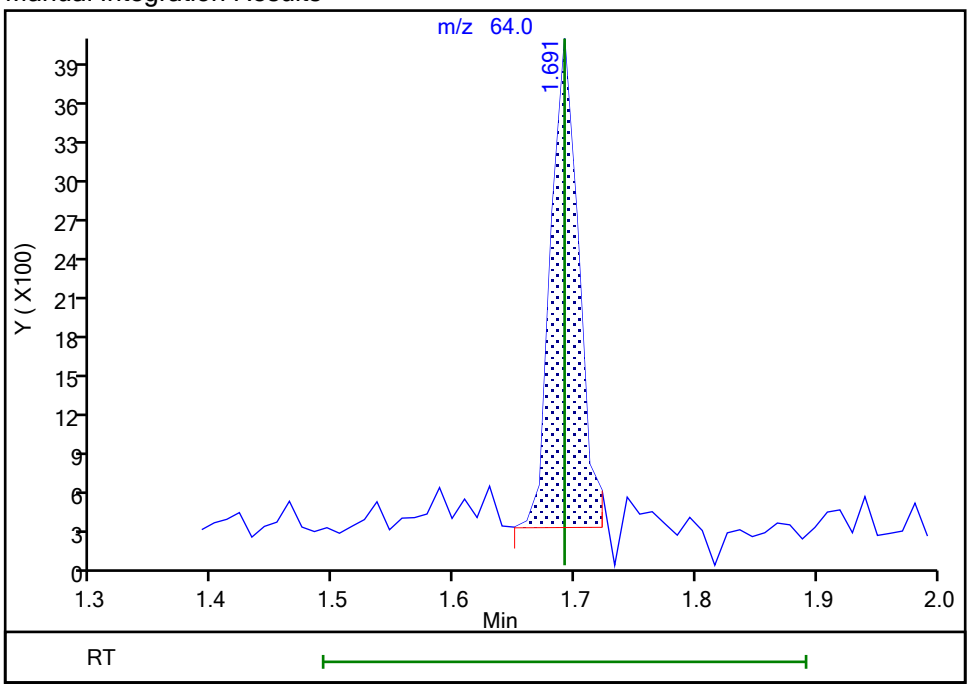
Processing Integration Results

RT: 1.69
Area: 6160
Amount: 1.040751
Amount Units: ug/L



Manual Integration Results

RT: 1.69
Area: 6090
Amount: 1.046150
Amount Units: ug/L



Reviewer: farrellr, 23-Feb-2021 10:57:43
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

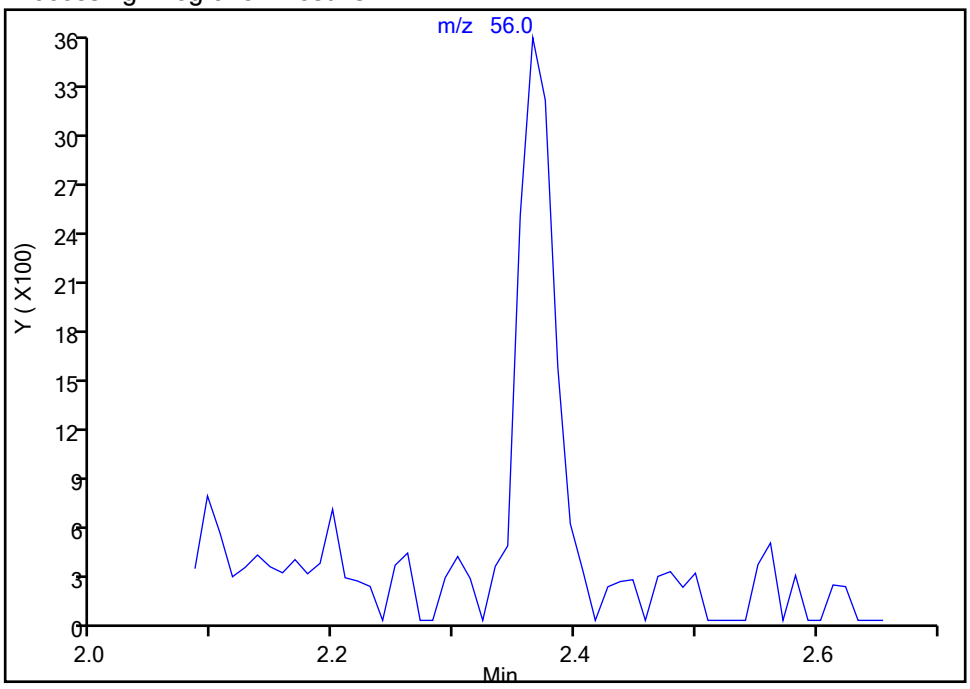
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Injection Date: 22-Feb-2021 15:15:30 Instrument ID: HP5973C
Lims ID: IC
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

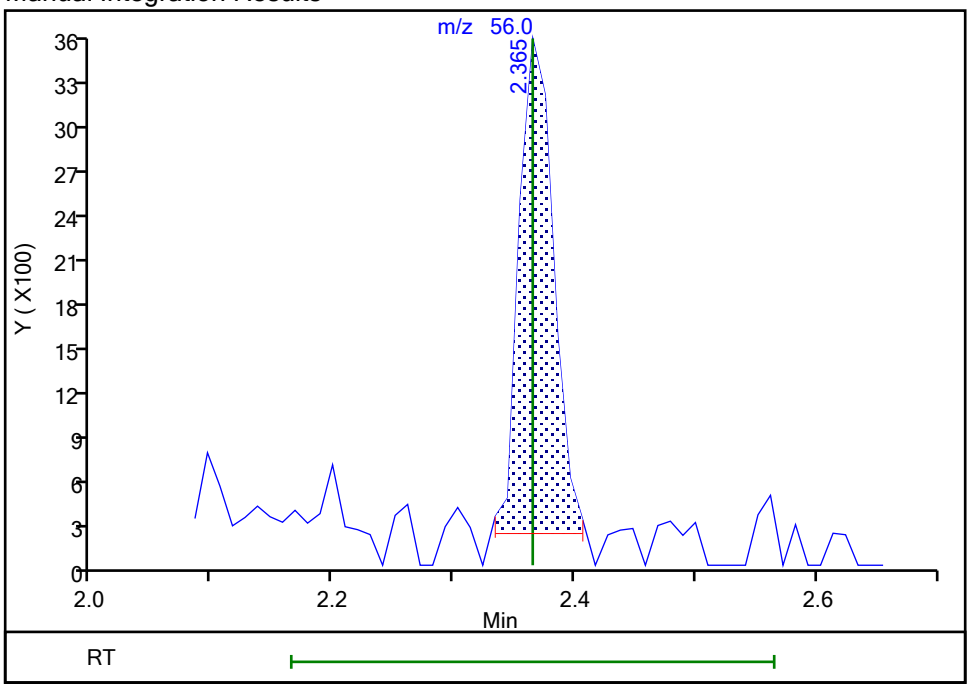
Not Detected
Expected RT: 2.37

Processing Integration Results



Manual Integration Results

RT: 2.37
Area: 6631
Amount: 4.906851
Amount Units: ug/L



Reviewer: HillL, 25-Feb-2021 10:28:59
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

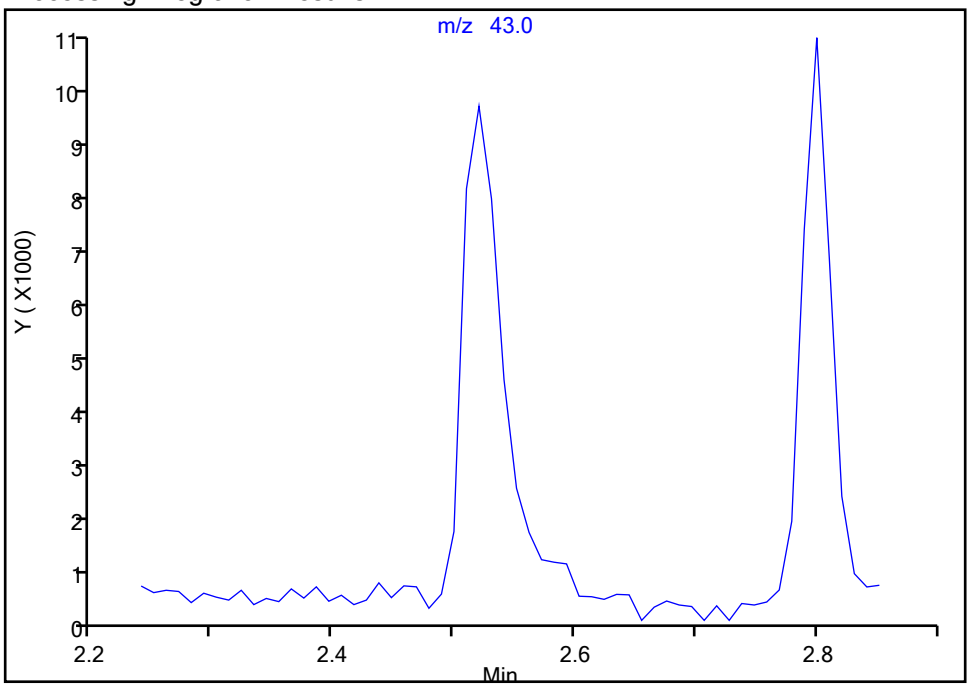
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Injection Date: 22-Feb-2021 15:15:30 Instrument ID: HP5973C
Lims ID: IC
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

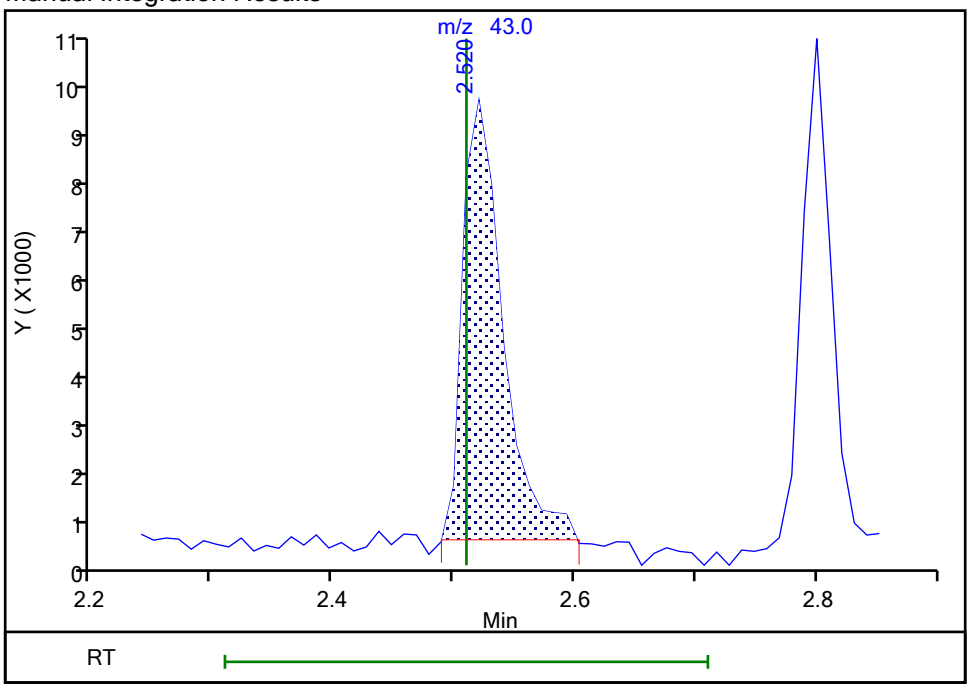
Not Detected
Expected RT: 2.51

Processing Integration Results



Manual Integration Results

RT: 2.52
Area: 20595
Amount: 5.425167
Amount Units: ug/L



Reviewer: HillL, 25-Feb-2021 10:29:41
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

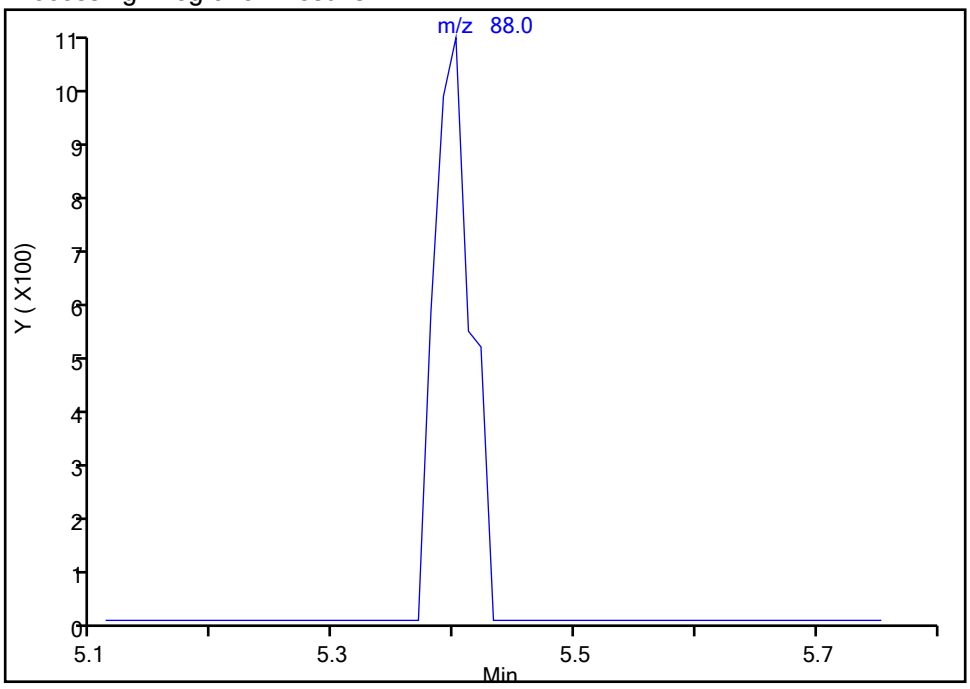
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Injection Date: 22-Feb-2021 15:15:30 Instrument ID: HP5973C
Lims ID: IC
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

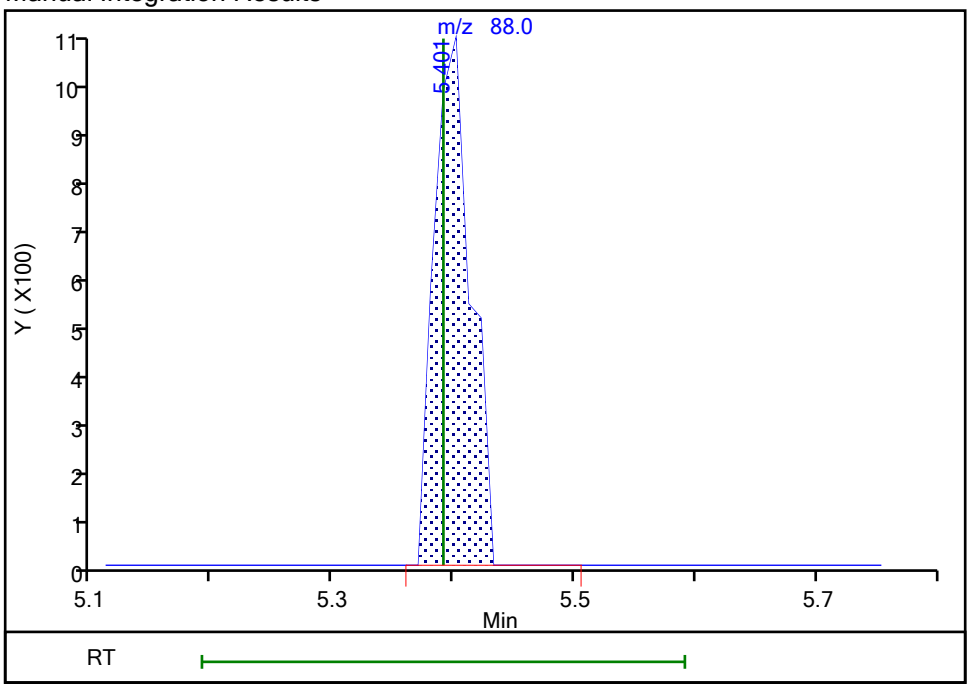
Not Detected
Expected RT: 5.39

Processing Integration Results



Manual Integration Results

RT: 5.40
Area: 2266
Amount: 18.765014
Amount Units: ug/L



Reviewer: farrellr, 23-Feb-2021 10:58:43
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

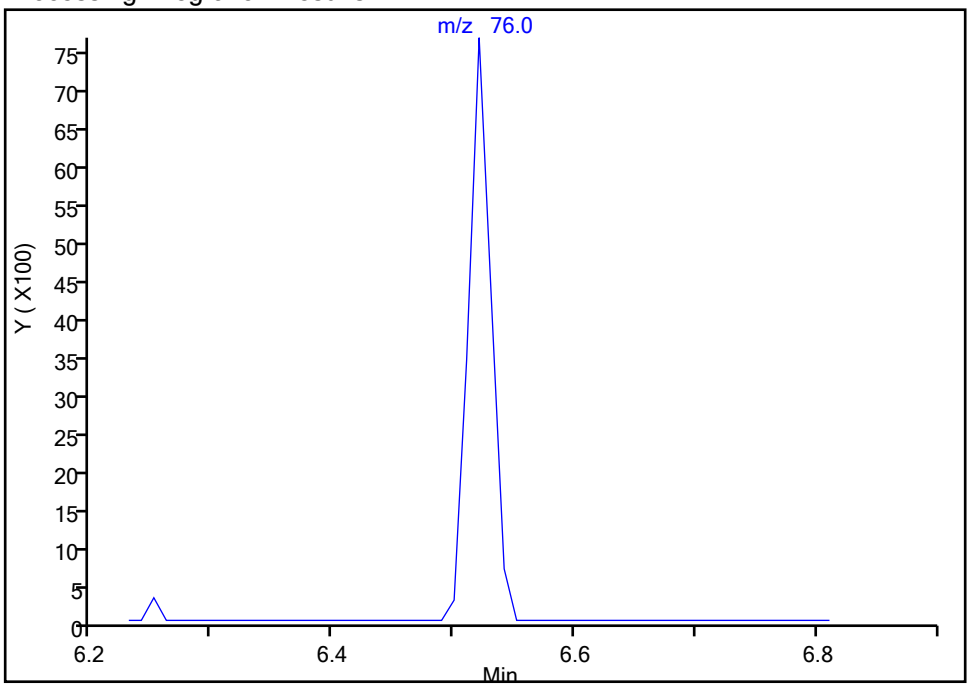
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Injection Date:	22-Feb-2021 15:15:30	Instrument ID:	HP5973C		
Lims ID:	IC				
Client ID:					
Operator ID:	RF	ALS Bottle#:	5	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

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

Signal: 1

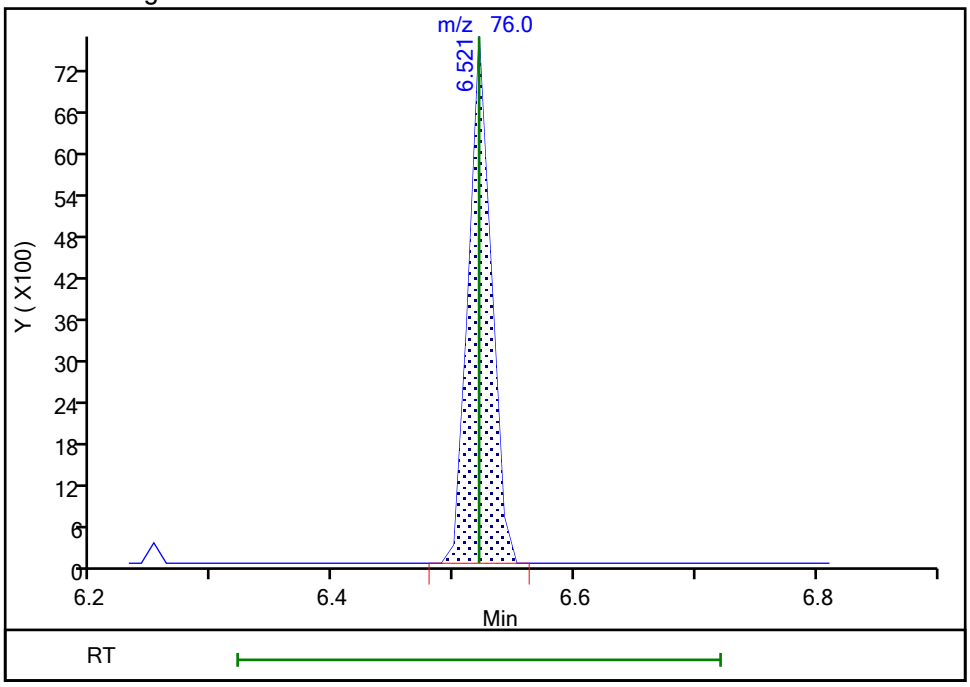
Not Detected
Expected RT: 6.52

Processing Integration Results



Manual Integration Results

RT: 6.52
Area: 10077
Amount: 0.949785
Amount Units: ug/L



Reviewer: farrellr, 23-Feb-2021 10:58:52
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

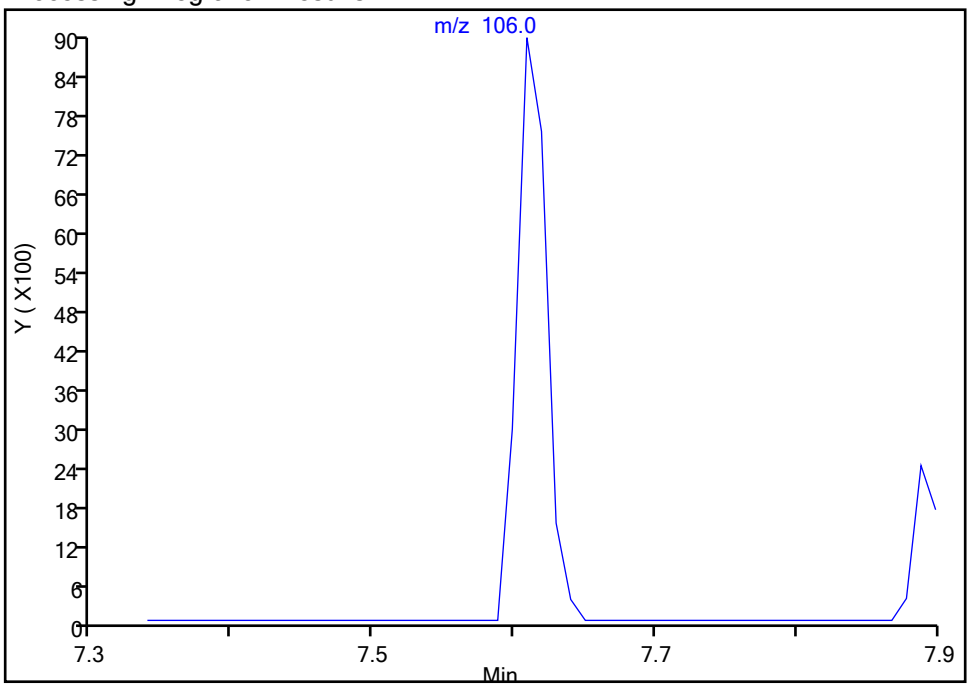
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Injection Date: 22-Feb-2021 15:15:30 Instrument ID: HP5973C
Lims ID: IC
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

91 o-Xylene, CAS: 95-47-6

Signal: 1

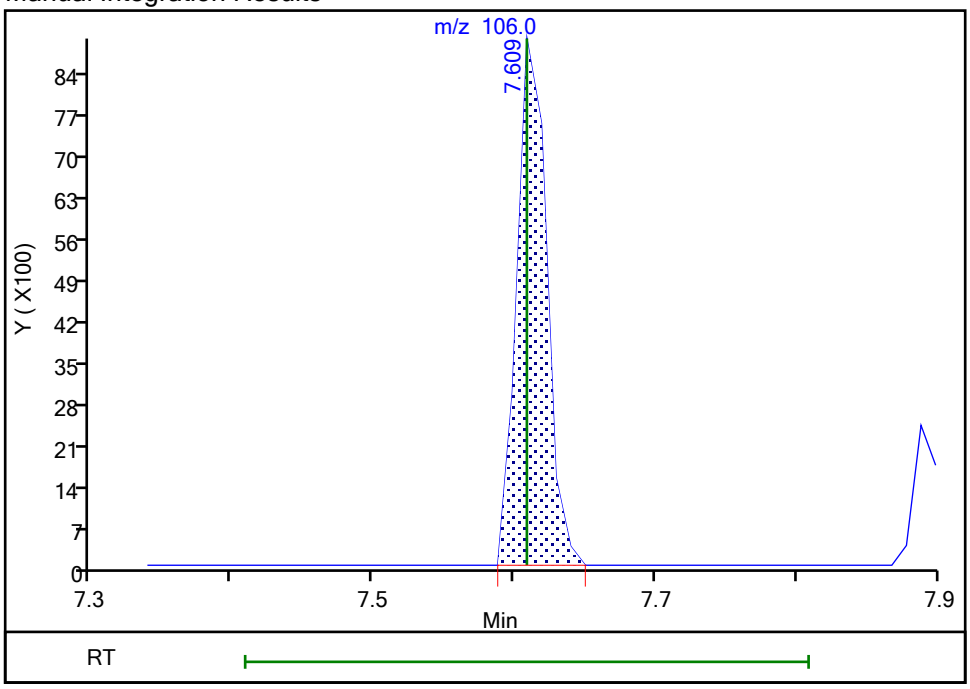
Not Detected
Expected RT: 7.61

Processing Integration Results



Manual Integration Results

RT: 7.61
Area: 13205
Amount: 0.926945
Amount Units: ug/L



Reviewer: farrellr, 23-Feb-2021 10:59:01
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

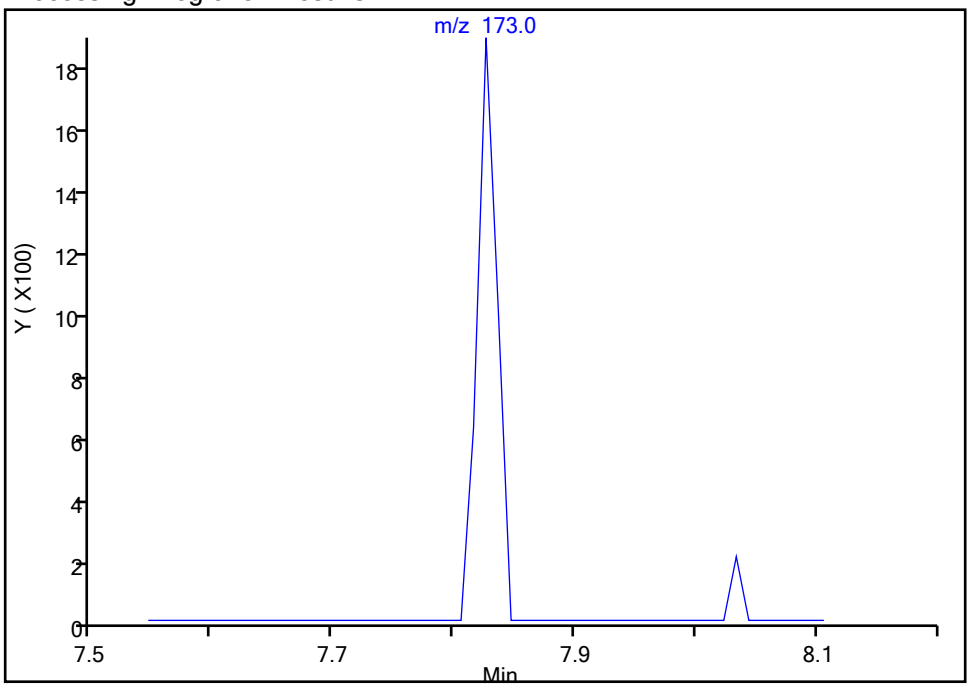
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Injection Date: 22-Feb-2021 15:15:30 Instrument ID: HP5973C
Lims ID: IC
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

95 Bromoform, CAS: 75-25-2

Signal: 1

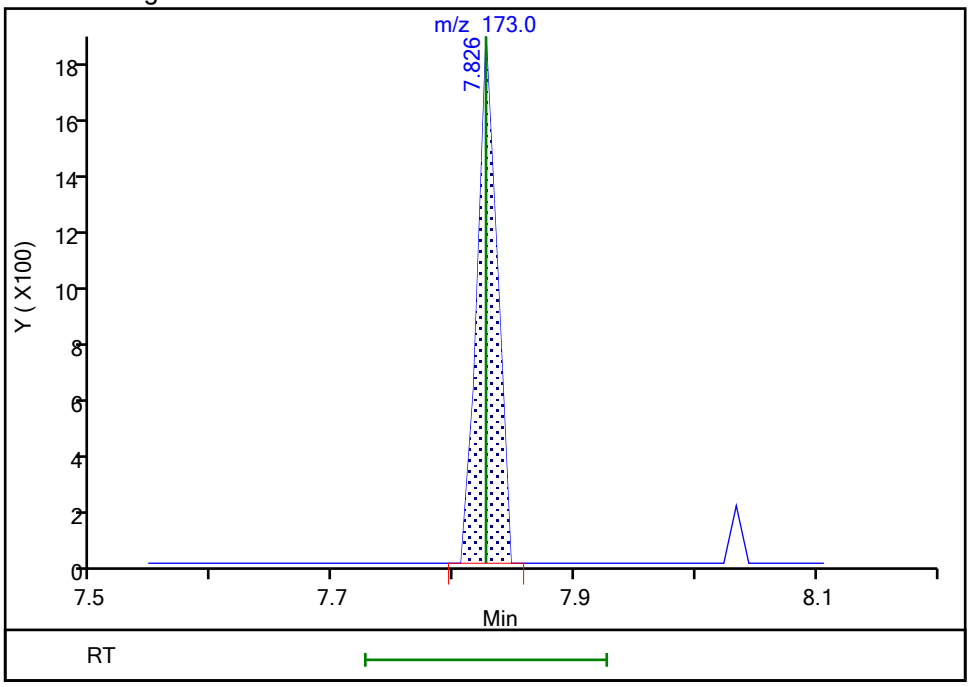
Not Detected
Expected RT: 7.83

Processing Integration Results



Manual Integration Results

RT: 7.83
Area: 2118
Amount: 1.264142
Amount Units: ug/L



Reviewer: farrellr, 23-Feb-2021 10:59:11
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

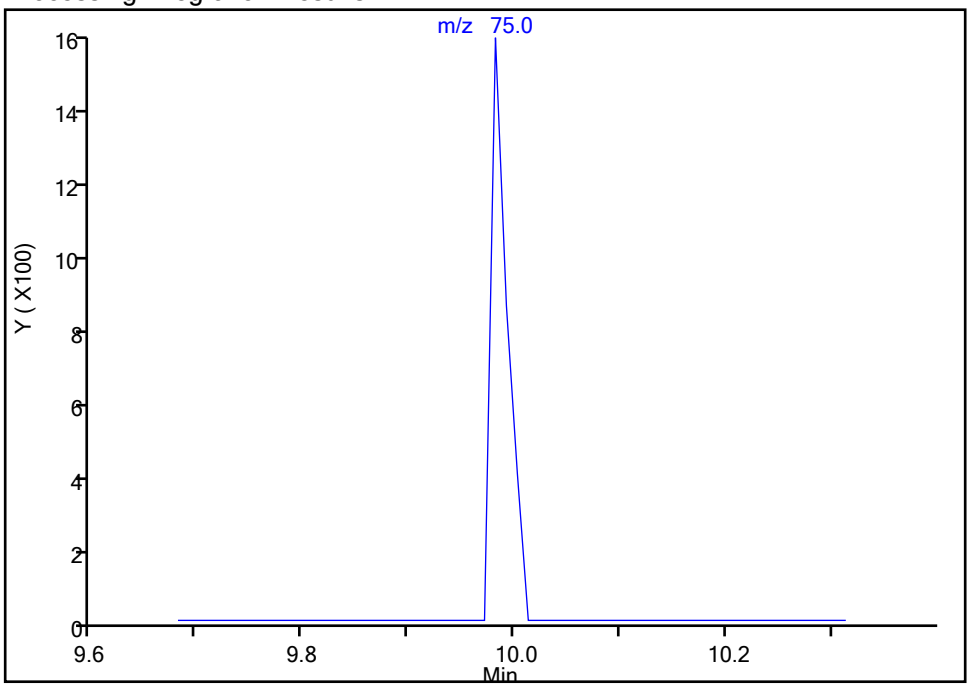
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Injection Date: 22-Feb-2021 15:15:30 Instrument ID: HP5973C
Lims ID: IC
Client ID:
Operator ID: RF ALS Bottle#: 5 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

117 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Signal: 1

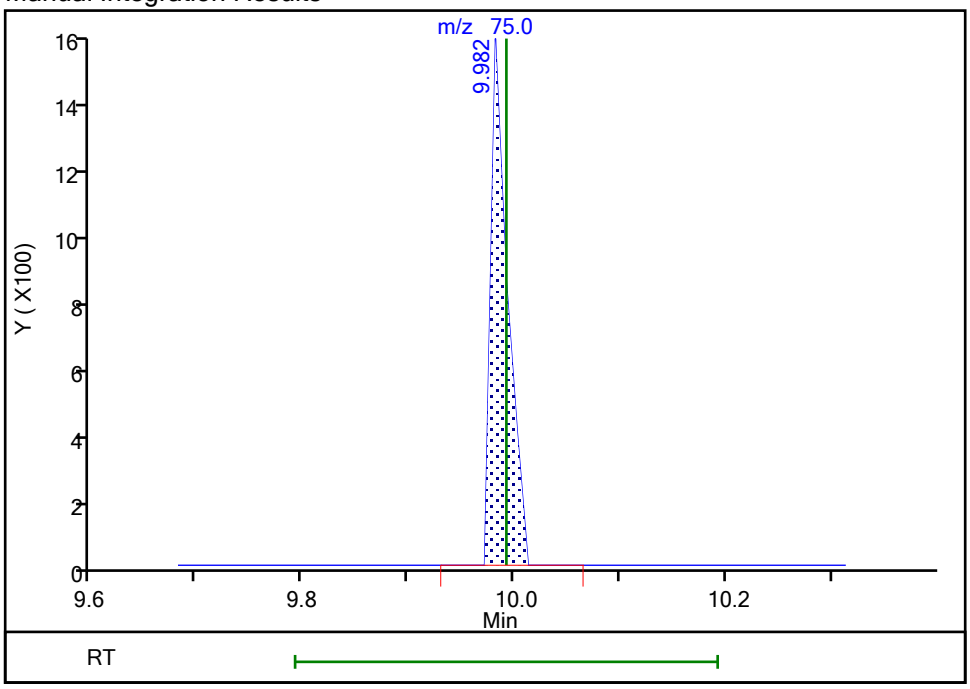
Not Detected
Expected RT: 9.99

Processing Integration Results



Manual Integration Results

RT: 9.98
Area: 1688
Amount: 1.297793
Amount Units: ug/L



Reviewer: farrellr, 23-Feb-2021 10:59:26
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4180.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 22-Feb-2021 15:40:30 ALS Bottle#: 6 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ic 2
Misc. Info.: 480-0096781-008
Operator ID: RF Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Feb-2021 11:49:23 Calib Date: 22-Feb-2021 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4196.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1673

First Level Reviewer: farrellr Date: 23-Feb-2021 11:01:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.811	4.811	0.000	99	158354	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.122	7.122	0.000	85	289864	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.987	8.987	0.000	95	345965	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.334	4.334	0.000	93	207881	25.0	24.5	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.593	4.593	0.000	98	128160	25.0	24.7	
$ 5 Toluene-d8 (Surr)	98	5.992	5.992	0.000	93	719927	25.0	25.3	
$ 6 4-Bromofluorobenzene (Surr)	174	8.054	8.054	0.000	93	243998	25.0	26.1	
10 Dichlorodifluoromethane	85	1.070	1.070	0.000	99	22688	2.00	2.08	
12 Chloromethane	50	1.236	1.235	0.001	99	23908	2.00	2.08	
13 Vinyl chloride	62	1.329	1.318	0.011	97	21567	2.00	1.96	
151 Butadiene	54	1.339	1.339	0.000	89	23268	2.00	2.14	
14 Bromomethane	94	1.598	1.598	0.000	85	12496	2.00	2.00	M
15 Chloroethane	64	1.692	1.691	0.001	99	12826	2.00	2.20	M
17 Trichlorofluoromethane	101	1.899	1.899	0.000	70	25009	2.00	1.98	
16 Dichlorofluoromethane	67	1.899	1.899	0.000	95	29369	2.00	1.99	
18 Ethyl ether	59	2.189	2.189	0.000	88	13976	2.00	1.89	
20 Acrolein	56	2.365	2.365	0.000	98	12304	10.0	9.08	M
21 112TCTFE	101	2.396	2.386	0.010	74	14300	2.00	1.84	
22 1,1-Dichloroethene	96	2.396	2.396	0.000	95	14972	2.00	1.84	
23 Acetone	43	2.521	2.510	0.011	100	36736	10.0	9.65	
25 Iodomethane	142	2.552	2.541	0.011	97	26598	2.00	1.81	
26 Carbon disulfide	76	2.583	2.572	0.011	99	44064	2.00	1.70	
28 3-Chloro-1-propene	41	2.749	2.748	0.001	90	21469	2.00	1.72	
27 Methyl acetate	43	2.800	2.790	0.010	98	31811	4.00	3.52	
30 Methylene Chloride	84	2.883	2.883	0.000	96	21185	2.00	1.80	
31 2-Methyl-2-propanol	59	3.049	3.049	0.000	98	20744	20.0	16.2	
32 Methyl tert-butyl ether	73	3.080	3.080	0.000	98	45488	2.00	1.79	
34 trans-1,2-Dichloroethene	96	3.091	3.090	0.001	98	15852	2.00	1.78	
33 Acrylonitrile	53	3.142	3.142	0.000	98	94550	20.0	18.7	
35 Hexane	57	3.267	3.267	0.000	89	24024	2.00	1.91	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.464	3.463	0.001	96	28910	2.00	1.91	
37 Vinyl acetate	43	3.515	3.515	0.000	97	50320	4.00	3.37	M
44 2,2-Dichloropropane	77	3.909	3.909	0.000	91	13762	2.00	1.68	
45 cis-1,2-Dichloroethene	96	3.940	3.940	0.000	80	17620	2.00	1.84	
43 2-Butanone (MEK)	43	3.971	3.971	0.000	100	53605	10.0	9.01	
48 Chlorobromomethane	128	4.148	4.147	0.001	96	9538	2.00	1.81	
49 Tetrahydrofuran	42	4.158	4.158	0.000	87	16914	4.00	3.81	
50 Chloroform	83	4.210	4.210	0.000	93	28211	2.00	1.83	
52 Cyclohexane	56	4.303	4.303	0.000	90	27125	2.00	1.81	
51 1,1,1-Trichloroethane	97	4.303	4.303	0.000	97	18907	2.00	1.61	
55 Carbon tetrachloride	117	4.407	4.417	-0.010	91	14994	2.00	1.70	
54 1,1-Dichloropropene	75	4.427	4.427	0.000	96	20663	2.00	1.87	
57 Benzene	78	4.593	4.593	0.000	53	58312	2.00	1.81	
53 Isobutyl alcohol	43	4.604	4.603	0.001	80	15247	50.0	38.1	
58 1,2-Dichloroethane	62	4.645	4.645	0.000	97	22190	2.00	1.87	
59 n-Heptane	43	4.728	4.728	0.000	92	22159	2.00	1.85	
62 Trichloroethene	95	5.080	5.080	0.000	96	15232	2.00	1.81	
64 Methylcyclohexane	83	5.173	5.173	0.000	90	25737	2.00	1.77	
65 1,2-Dichloropropane	63	5.277	5.277	0.000	97	14566	2.00	1.96	
67 Dibromomethane	93	5.381	5.381	0.000	94	10309	2.00	1.92	
66 1,4-Dioxane	88	5.381	5.391	-0.010	36	4085	40.0	34.5	
68 Dichlorobromomethane	83	5.495	5.495	0.000	96	12077	2.00	1.66	
69 2-Chloroethyl vinyl ether	63	5.712	5.712	0.000	96	8146	2.00	1.67	
72 cis-1,3-Dichloropropene	75	5.816	5.816	0.000	95	17719	2.00	1.80	
73 4-Methyl-2-pentanone (MIBK)	43	5.930	5.930	0.000	96	86218	10.0	8.56	
74 Toluene	92	6.044	6.044	0.000	98	33252	2.00	1.85	
77 trans-1,3-Dichloropropene	75	6.251	6.251	0.000	88	13850	2.00	1.69	
75 Ethyl methacrylate	69	6.272	6.282	-0.010	84	14203	2.00	1.72	
79 1,1,2-Trichloroethane	83	6.396	6.396	0.000	89	9577	2.00	1.88	
81 Tetrachloroethene	166	6.448	6.448	0.000	96	15295	2.00	1.89	
82 1,3-Dichloropropane	76	6.521	6.521	0.000	89	19240	2.00	1.85	
80 2-Hexanone	43	6.562	6.562	0.000	96	60902	10.0	9.26	
83 Chlorodibromomethane	129	6.707	6.707	0.000	87	8912	2.00	1.91	
84 Ethylene Dibromide	107	6.790	6.790	0.000	99	12140	2.00	1.78	
87 Chlorobenzene	112	7.142	7.142	0.000	94	37084	2.00	1.82	
88 Ethylbenzene	91	7.205	7.205	0.000	98	61129	2.00	1.81	
89 1,1,1,2-Tetrachloroethane	131	7.215	7.215	0.000	83	10599	2.00	1.79	
90 m-Xylene & p-Xylene	106	7.288	7.287	0.001	97	25357	2.00	1.86	
91 o-Xylene	106	7.609	7.609	0.000	96	25001	2.00	1.79	
92 Styrene	104	7.630	7.629	0.001	95	41884	2.00	1.88	
95 Bromoform	173	7.826	7.826	0.000	89	4490	2.00	1.91	
94 Isopropylbenzene	105	7.899	7.899	0.000	95	65562	2.00	1.72	
101 Bromobenzene	156	8.179	8.179	0.000	88	16762	2.00	1.72	
97 1,1,2,2-Tetrachloroethane	83	8.200	8.199	0.001	95	17875	2.00	1.74	
99 N-Propylbenzene	91	8.231	8.230	0.001	99	76203	2.00	1.75	
100 1,2,3-Trichloropropane	110	8.231	8.230	0.001	89	7493	2.00	1.88	
98 trans-1,4-Dichloro-2-butene	53	8.241	8.241	0.000	76	7325	2.00	2.03	
103 2-Chlorotoluene	126	8.313	8.313	0.000	97	18311	2.00	1.95	
102 1,3,5-Trimethylbenzene	105	8.365	8.365	0.000	94	54028	2.00	1.68	
105 4-Chlorotoluene	126	8.407	8.407	0.000	97	16529	2.00	1.78	
106 tert-Butylbenzene	134	8.624	8.624	0.000	91	12491	2.00	1.78	
107 1,2,4-Trimethylbenzene	105	8.676	8.676	0.000	96	59077	2.00	1.75	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.801	8.800	0.001	93	69264	2.00	1.68	
110 4-Isopropyltoluene	119	8.925	8.925	0.000	97	62225	2.00	1.72	
111 1,3-Dichlorobenzene	146	8.935	8.935	0.000	98	35778	2.00	1.86	
113 1,4-Dichlorobenzene	146	9.008	9.008	0.000	96	36507	2.00	1.82	
115 n-Butylbenzene	91	9.257	9.256	0.001	98	56158	2.00	1.72	
116 1,2-Dichlorobenzene	146	9.319	9.319	0.000	97	37955	2.00	1.89	
117 1,2-Dibromo-3-Chloropropane	75	9.982	9.992	-0.010	81	3304	2.00	1.92	
119 1,2,4-Trichlorobenzene	180	10.635	10.635	0.000	94	29630	2.00	1.88	
120 Hexachlorobutadiene	225	10.738	10.738	0.000	96	12765	2.00	1.77	
121 Naphthalene	128	10.852	10.852	0.000	96	91734	2.00	1.78	
122 1,2,3-Trichlorobenzene	180	11.039	11.039	0.000	95	29164	2.00	1.88	
S 126 1,3-Dichloropropene, Total	1				0			3.49	
S 124 Xylenes, Total	1				0			3.65	
S 123 Total BTEX	1				0			9.11	
S 125 1,2-Dichloroethene, Total	1				0			3.62	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00204	Amount Added:	2.00	Units: uL	
GAS CORP mix_00443	Amount Added:	2.00	Units: uL	
C_8260_IS_00152	Amount Added:	2.00	Units: uL	Run Reagent
C_8260_Surr_00169	Amount Added:	2.00	Units: uL	Run Reagent

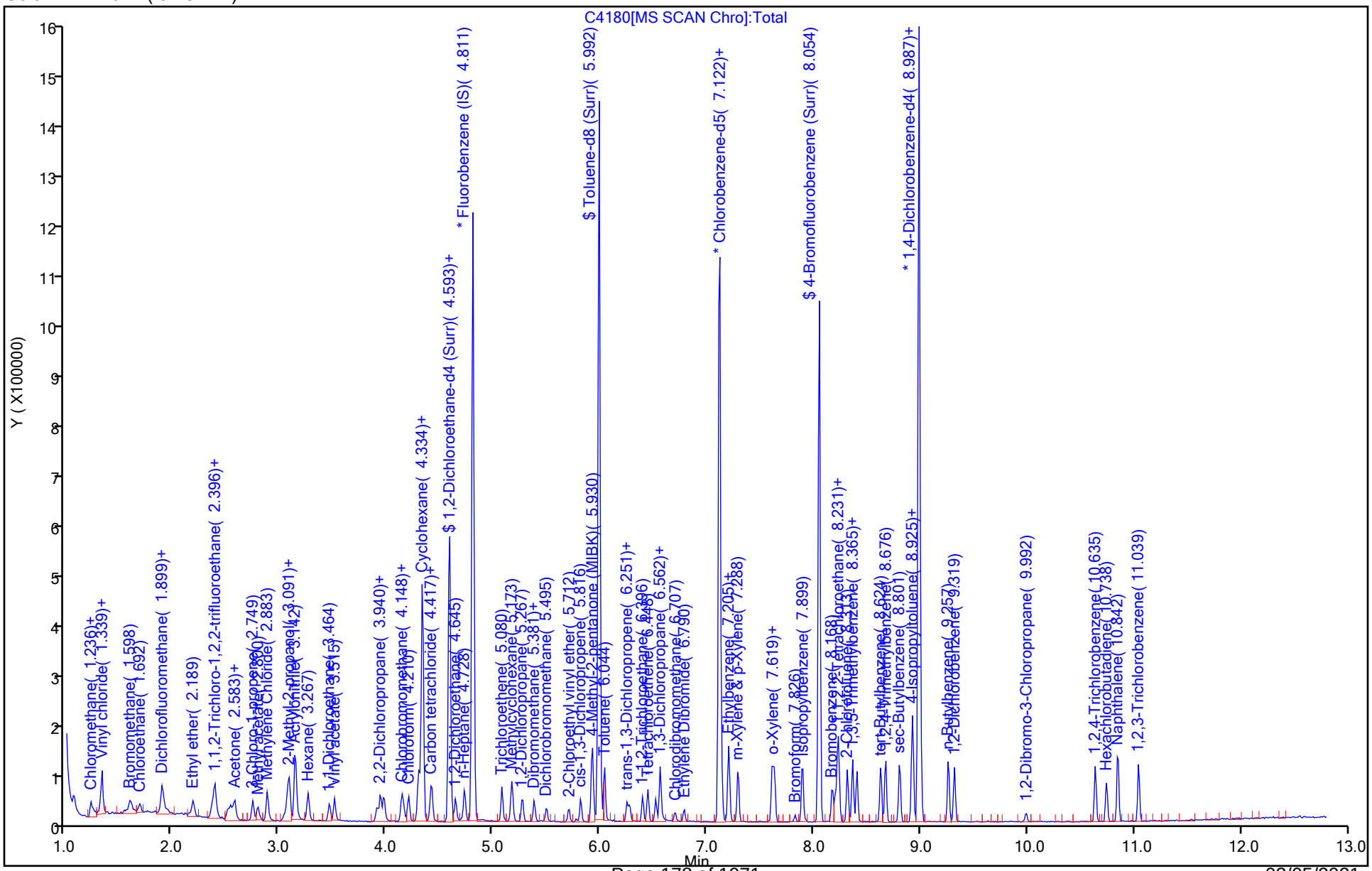
Report Date: 25-Feb-2021 11:49:27 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4180.D

Injection Date:	22-Feb-2021 15:40:30	Instrument ID:	HP5973C	Operator ID:	RF
Lims ID:	IC 2			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

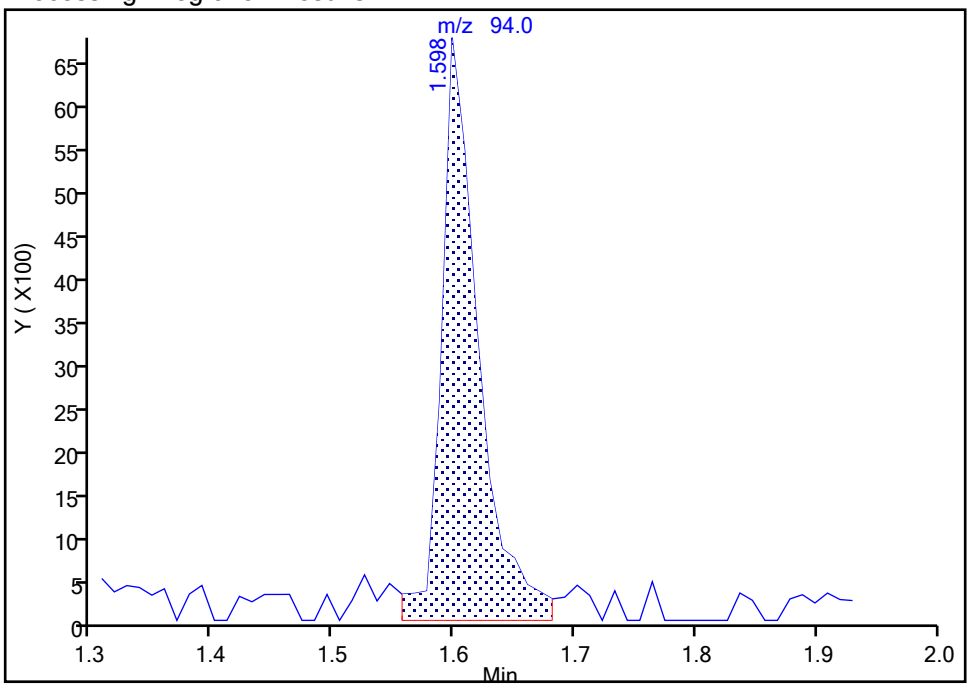
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Injection Date: 22-Feb-2021 15:40:30 Instrument ID: HP5973C
Lims ID: IC 2
Client ID:
Operator ID: RF ALS Bottle#: 6 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

14 Bromomethane, CAS: 74-83-9

Signal: 1

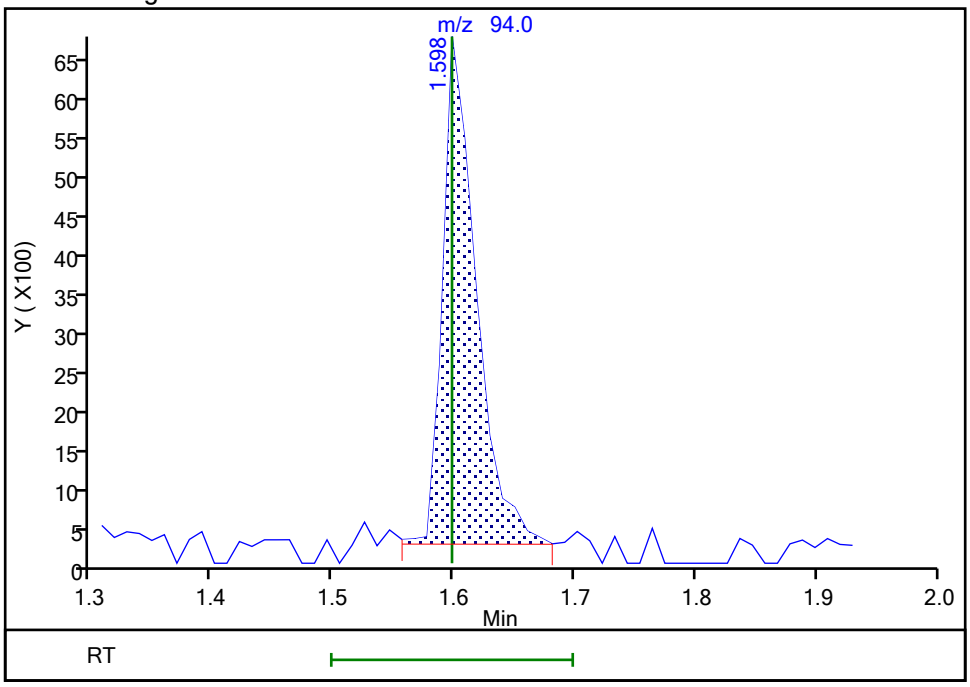
Processing Integration Results

RT: 1.60
Area: 14476
Amount: 2.190668
Amount Units: ug/L



Manual Integration Results

RT: 1.60
Area: 12496
Amount: 1.998422
Amount Units: ug/L



Reviewer: farrellr, 23-Feb-2021 11:00:16
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

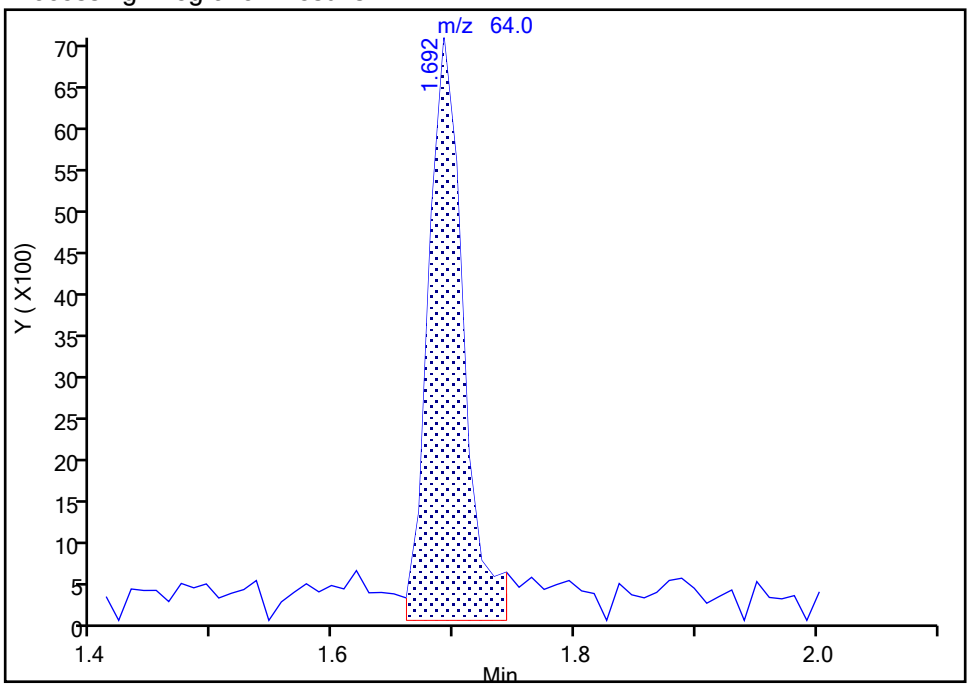
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Injection Date: 22-Feb-2021 15:40:30 Instrument ID: HP5973C
Lims ID: IC 2
Client ID:
Operator ID: RF ALS Bottle#: 6 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

15 Chloroethane, CAS: 75-00-3

Signal: 1

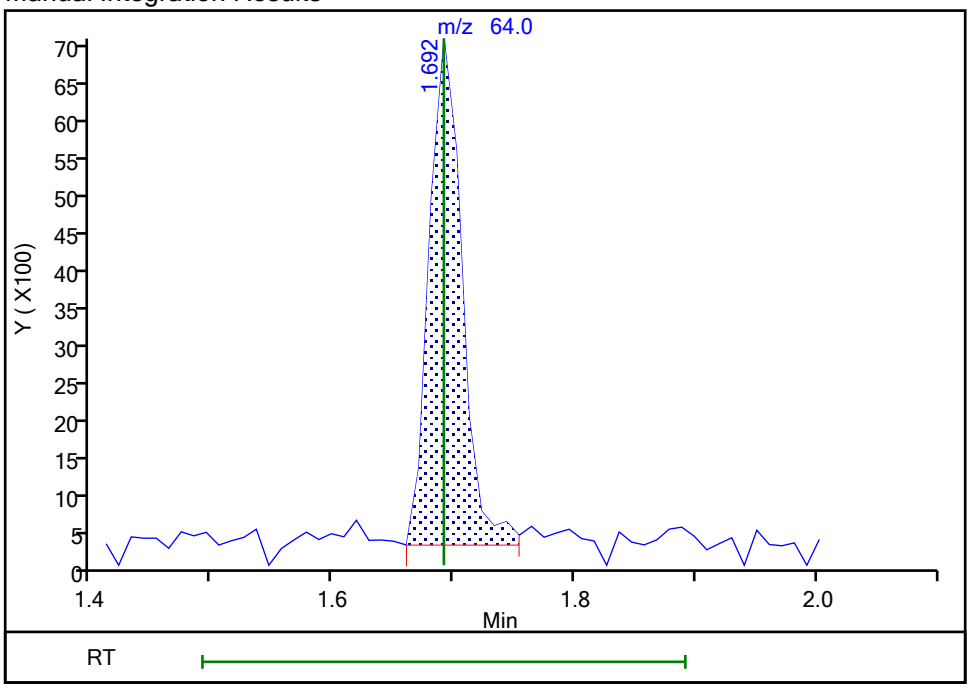
Processing Integration Results

RT: 1.69
Area: 14249
Amount: 2.404750
Amount Units: ug/L



Manual Integration Results

RT: 1.69
Area: 12826
Amount: 2.197581
Amount Units: ug/L



Reviewer: farrellr, 23-Feb-2021 11:00:30
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

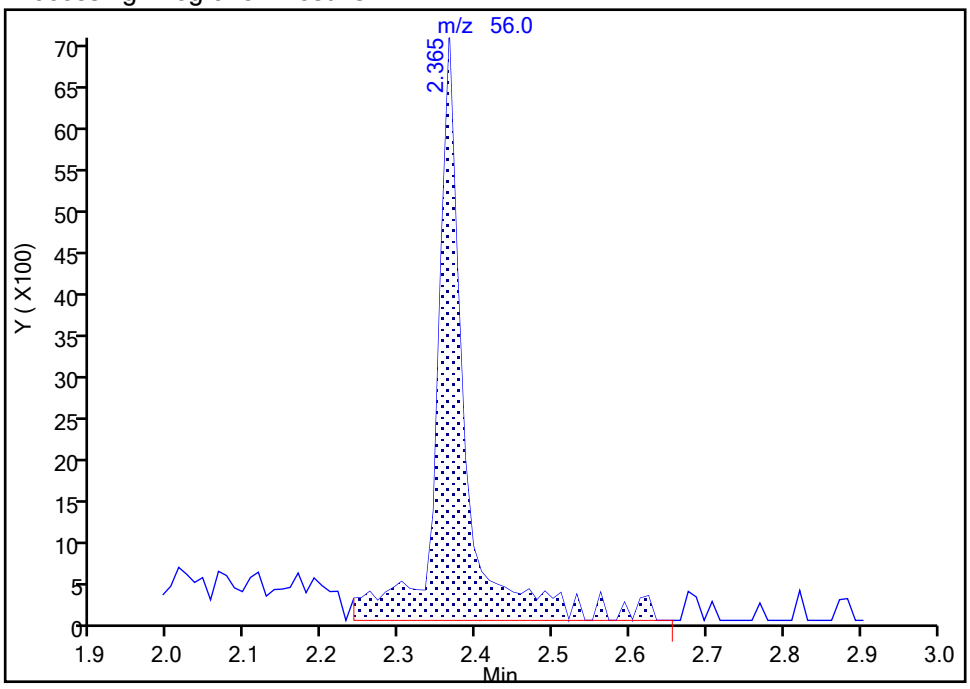
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4180.D
Injection Date: 22-Feb-2021 15:40:30 Instrument ID: HP5973C
Lims ID: IC 2
Client ID:
Operator ID: RF ALS Bottle#: 6 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

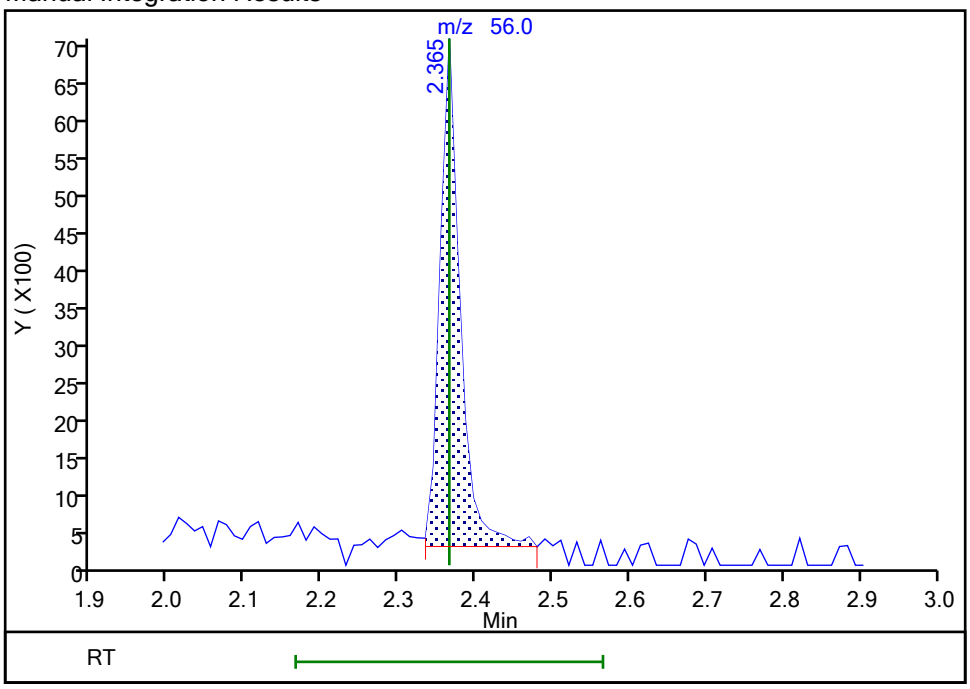
Processing Integration Results

RT: 2.37
Area: 18024
Amount: 12.075197
Amount Units: ug/L



Manual Integration Results

RT: 2.37
Area: 12304
Amount: 9.081278
Amount Units: ug/L



Reviewer: farrellr, 23-Feb-2021 11:00:50
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

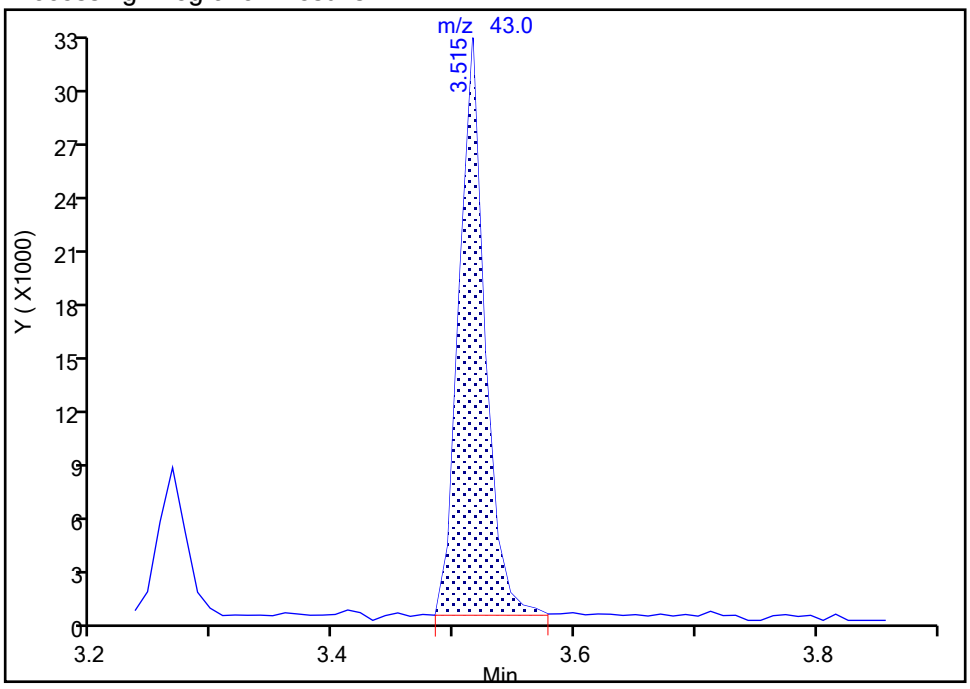
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4180.D
Injection Date: 22-Feb-2021 15:40:30 Instrument ID: HP5973C
Lims ID: IC 2
Client ID:
Operator ID: RF ALS Bottle#: 6 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

37 Vinyl acetate, CAS: 108-05-4

Signal: 1

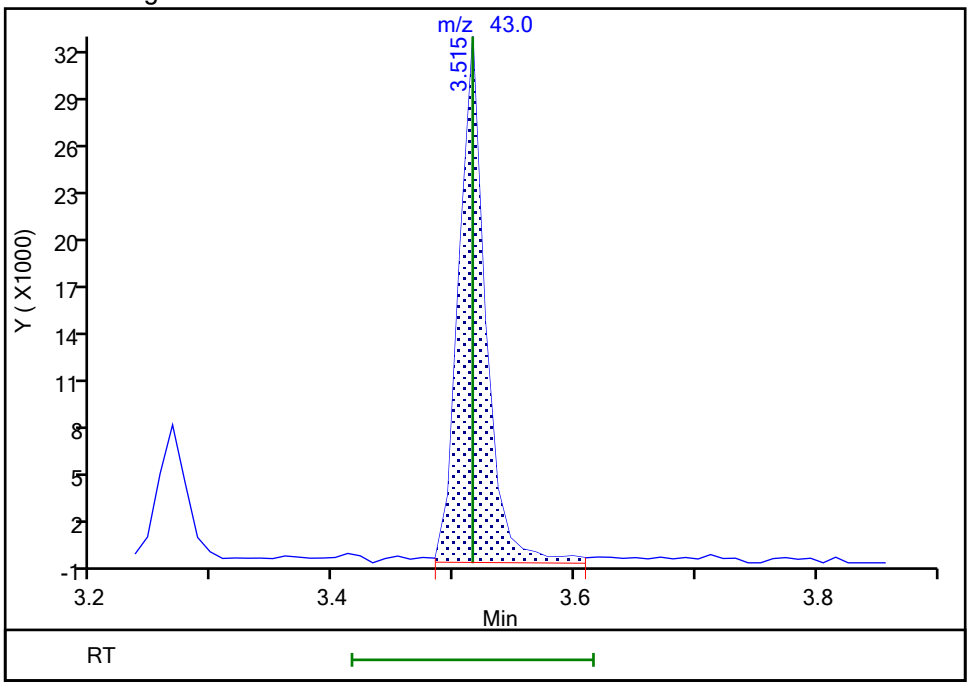
Processing Integration Results

RT: 3.52
Area: 47896
Amount: 3.220662
Amount Units: ug/L



Manual Integration Results

RT: 3.52
Area: 50320
Amount: 3.366511
Amount Units: ug/L



Reviewer: HillL, 25-Feb-2021 10:47:30
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4181.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 22-Feb-2021 16:05:30 ALS Bottle#: 7 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ic 3
Misc. Info.: 480-0096781-009
Operator ID: RF Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Feb-2021 11:49:32 Calib Date: 22-Feb-2021 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4196.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1673

First Level Reviewer: farrellr Date: 23-Feb-2021 11:02:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.811	4.811	0.000	99	154276	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.111	7.111	0.000	85	283227	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.987	8.987	0.000	95	322622	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.334	4.334	0.000	94	207136	25.0	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.593	4.593	0.000	97	130466	25.0	25.8	
$ 5 Toluene-d8 (Surr)	98	5.992	5.992	0.000	93	707213	25.0	25.4	
$ 6 4-Bromofluorobenzene (Surr)	174	8.055	8.055	0.000	93	230663	25.0	25.2	
10 Dichlorodifluoromethane	85	1.070	1.070	0.000	99	54821	5.00	5.15	
12 Chloromethane	50	1.236	1.236	0.000	98	53007	5.00	4.74	
13 Vinyl chloride	62	1.329	1.329	0.000	98	53891	5.00	5.02	
151 Butadiene	54	1.339	1.339	0.000	91	52233	5.00	4.93	
14 Bromomethane	94	1.598	1.598	0.000	91	29094	5.00	4.78	
15 Chloroethane	64	1.692	1.692	0.000	99	28732	5.00	5.05	
17 Trichlorofluoromethane	101	1.899	1.899	0.000	75	64697	5.00	5.27	
16 Dichlorofluoromethane	67	1.899	1.899	0.000	96	70302	5.00	4.89	
18 Ethyl ether	59	2.189	2.189	0.000	90	37477	5.00	5.21	
20 Acrolein	56	2.365	2.365	0.000	97	39875	25.0	30.2	
21 112TCTFE	101	2.396	2.396	0.000	89	38299	5.00	5.07	
22 1,1-Dichloroethene	96	2.396	2.396	0.000	98	39132	5.00	4.95	
23 Acetone	43	2.521	2.521	0.000	100	104449	25.0	28.2	
25 Iodomethane	142	2.541	2.541	0.000	98	73145	5.00	5.10	
26 Carbon disulfide	76	2.583	2.583	0.000	99	126173	5.00	4.99	
28 3-Chloro-1-propene	41	2.749	2.749	0.000	92	61980	5.00	5.11	
27 Methyl acetate	43	2.800	2.800	0.000	98	91671	10.0	10.4	
30 Methylene Chloride	84	2.883	2.883	0.000	91	50523	5.00	5.35	
31 2-Methyl-2-propanol	59	3.049	3.049	0.000	99	68472	50.0	54.8	
32 Methyl tert-butyl ether	73	3.080	3.080	0.000	98	127696	5.00	5.16	
34 trans-1,2-Dichloroethene	96	3.091	3.091	0.000	99	44091	5.00	5.08	
33 Acrylonitrile	53	3.142	3.142	0.000	100	271352	50.0	55.1	
35 Hexane	57	3.267	3.267	0.000	88	60812	5.00	4.96	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.464	3.464	0.000	96	76222	5.00	5.18	
37 Vinyl acetate	43	3.515	3.515	0.000	98	135008	10.0	9.27	
44 2,2-Dichloropropane	77	3.909	3.909	0.000	90	41652	5.00	5.21	
45 cis-1,2-Dichloroethene	96	3.940	3.940	0.000	83	46397	5.00	4.98	
43 2-Butanone (MEK)	43	3.971	3.971	0.000	100	151450	25.0	26.1	
48 Chlorobromomethane	128	4.148	4.148	0.000	94	25502	5.00	4.96	
49 Tetrahydrofuran	42	4.158	4.158	0.000	88	42711	10.0	9.87	
50 Chloroform	83	4.210	4.210	0.000	93	70870	5.00	4.73	
52 Cyclohexane	56	4.303	4.303	0.000	90	75838	5.00	5.18	
51 1,1,1-Trichloroethane	97	4.303	4.303	0.000	98	54400	5.00	4.76	
55 Carbon tetrachloride	117	4.417	4.417	0.000	94	40653	5.00	4.72	
54 1,1-Dichloropropene	75	4.427	4.427	0.000	94	53112	5.00	4.92	
57 Benzene	78	4.593	4.593	0.000	75	157388	5.00	5.02	
53 Isobutyl alcohol	43	4.604	4.604	0.000	92	49937	125.0	128.0	
58 1,2-Dichloroethane	62	4.645	4.645	0.000	97	57121	5.00	4.93	
59 n-Heptane	43	4.728	4.728	0.000	90	59269	5.00	5.08	
62 Trichloroethene	95	5.080	5.080	0.000	94	39670	5.00	4.84	
64 Methylcyclohexane	83	5.174	5.174	0.000	91	69573	5.00	4.92	
65 1,2-Dichloropropane	63	5.277	5.277	0.000	94	34218	5.00	4.72	
67 Dibromomethane	93	5.381	5.381	0.000	92	26135	5.00	4.99	
66 1,4-Dioxane	88	5.391	5.391	0.000	36	13333	100.0	115.3	
68 Dichlorobromomethane	83	5.495	5.495	0.000	99	34968	5.00	4.92	
69 2-Chloroethyl vinyl ether	63	5.712	5.712	0.000	93	22720	5.00	4.78	
72 cis-1,3-Dichloropropene	75	5.816	5.816	0.000	95	46069	5.00	4.80	
73 4-Methyl-2-pentanone (MIBK)	43	5.930	5.930	0.000	95	252896	25.0	25.7	
74 Toluene	92	6.044	6.044	0.000	98	86206	5.00	4.90	
77 trans-1,3-Dichloropropene	75	6.251	6.251	0.000	90	39290	5.00	4.44	
75 Ethyl methacrylate	69	6.272	6.272	0.000	88	38078	5.00	4.71	
79 1,1,2-Trichloroethane	83	6.396	6.396	0.000	93	24774	5.00	4.97	
81 Tetrachloroethene	166	6.448	6.448	0.000	95	39263	5.00	4.95	
82 1,3-Dichloropropane	76	6.521	6.521	0.000	90	51067	5.00	5.03	
80 2-Hexanone	43	6.562	6.562	0.000	97	165102	25.0	25.7	
83 Chlorodibromomethane	129	6.707	6.707	0.000	90	21292	5.00	4.66	
84 Ethylene Dibromide	107	6.790	6.790	0.000	96	34492	5.00	5.18	
87 Chlorobenzene	112	7.143	7.143	0.000	97	100649	5.00	5.04	
88 Ethylbenzene	91	7.205	7.205	0.000	98	169527	5.00	5.13	
89 1,1,1,2-Tetrachloroethane	131	7.215	7.215	0.000	90	26457	5.00	4.56	
90 m-Xylene & p-Xylene	106	7.288	7.288	0.000	96	67119	5.00	5.03	
91 o-Xylene	106	7.609	7.609	0.000	97	68166	5.00	5.00	
92 Styrene	104	7.630	7.630	0.000	98	108299	5.00	4.97	
95 Bromoform	173	7.827	7.827	0.000	95	13554	5.00	4.40	
94 Isopropylbenzene	105	7.899	7.899	0.000	95	182687	5.00	5.13	
101 Bromobenzene	156	8.179	8.179	0.000	90	45640	5.00	5.01	
97 1,1,2,2-Tetrachloroethane	83	8.200	8.200	0.000	96	47923	5.00	5.01	
99 N-Propylbenzene	91	8.220	8.220	0.000	99	211816	5.00	5.21	
100 1,2,3-Trichloropropane	110	8.231	8.231	0.000	88	19767	5.00	5.32	
98 trans-1,4-Dichloro-2-butene	53	8.241	8.241	0.000	74	18379	5.00	5.47	
103 2-Chlorotoluene	126	8.314	8.314	0.000	98	45383	5.00	5.19	
102 1,3,5-Trimethylbenzene	105	8.365	8.365	0.000	94	154617	5.00	5.16	
105 4-Chlorotoluene	126	8.407	8.407	0.000	97	45000	5.00	5.21	
106 tert-Butylbenzene	134	8.624	8.624	0.000	92	33990	5.00	5.18	
107 1,2,4-Trimethylbenzene	105	8.676	8.676	0.000	97	162525	5.00	5.16	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.801	8.801	0.000	94	198832	5.00	5.18	
110 4-Isopropyltoluene	119	8.925	8.925	0.000	97	176725	5.00	5.24	
111 1,3-Dichlorobenzene	146	8.925	8.925	0.000	99	94683	5.00	5.27	
113 1,4-Dichlorobenzene	146	9.008	9.008	0.000	96	100096	5.00	5.36	
115 n-Butylbenzene	91	9.257	9.257	0.000	98	160514	5.00	5.27	
116 1,2-Dichlorobenzene	146	9.319	9.319	0.000	98	99357	5.00	5.30	
117 1,2-Dibromo-3-Chloropropane	75	9.992	9.992	0.000	77	8811	5.00	4.28	
119 1,2,4-Trichlorobenzene	180	10.635	10.635	0.000	94	78947	5.00	5.37	
120 Hexachlorobutadiene	225	10.739	10.739	0.000	97	34511	5.00	5.13	
121 Naphthalene	128	10.853	10.853	0.000	96	261716	5.00	5.45	
122 1,2,3-Trichlorobenzene	180	11.039	11.039	0.000	96	77067	5.00	5.32	
S 126 1,3-Dichloropropene, Total	1				0			9.24	
S 124 Xylenes, Total	1				0			10.0	
S 123 Total BTEX	1				0			25.1	
S 125 1,2-Dichloroethene, Total	1				0			10.1	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00204	Amount Added:	5.00	Units: uL	
GAS CORP mix_00443	Amount Added:	5.00	Units: uL	
C_8260_IS_00152	Amount Added:	2.00	Units: uL	Run Reagent
C_8260_Surr_00169	Amount Added:	2.00	Units: uL	Run Reagent

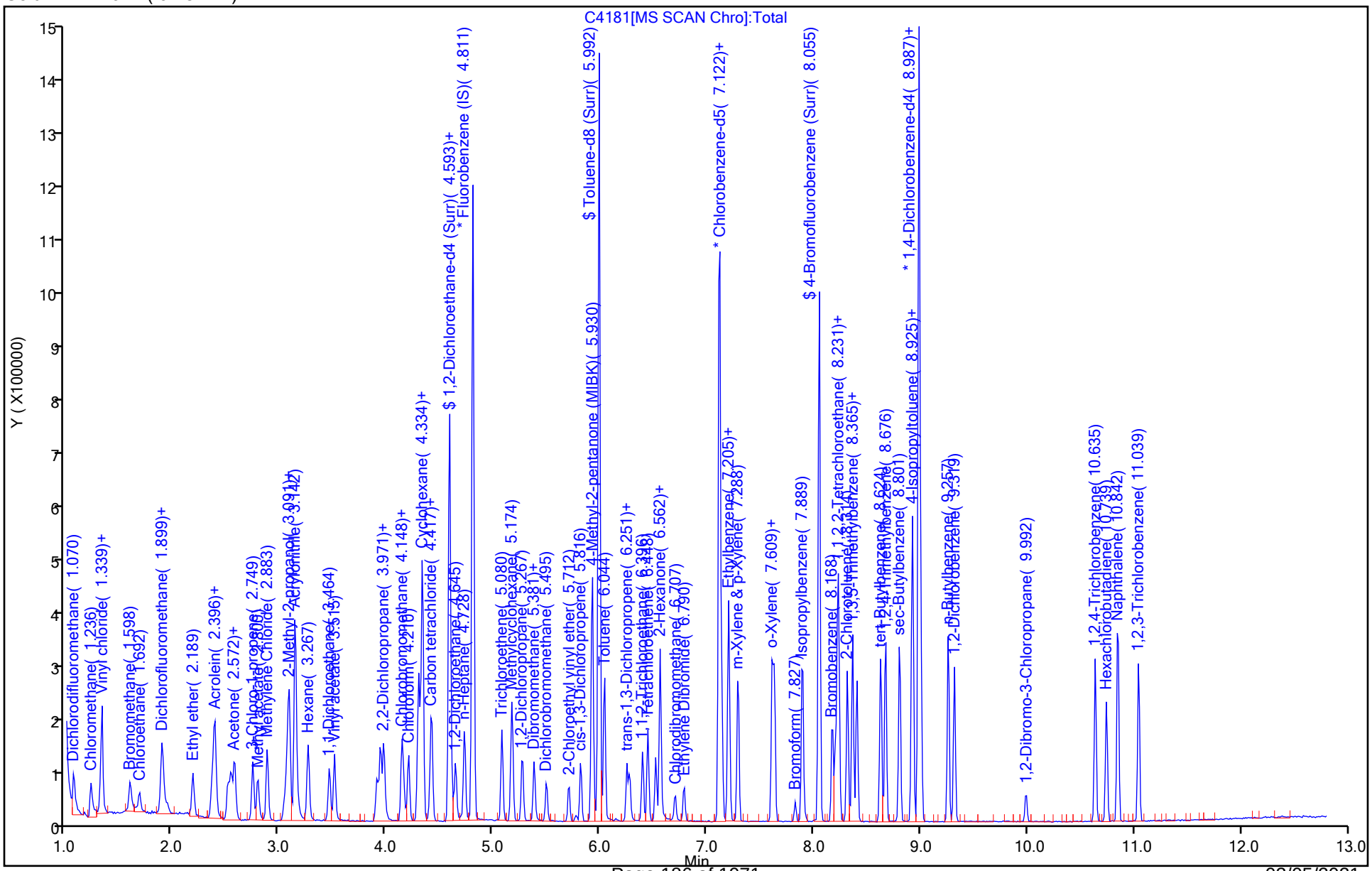
Report Date: 25-Feb-2021 11:49:35 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4181.D

Injection Date:	22-Feb-2021 16:05:30	Instrument ID:	HP5973C	Operator ID:	RF
Lims ID:	IC 3			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4182.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 22-Feb-2021 16:31:30 ALS Bottle#: 8 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ic 4
Misc. Info.: 480-0096781-010
Operator ID: RF Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Feb-2021 11:49:41 Calib Date: 22-Feb-2021 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4196.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1673

First Level Reviewer: farrellr Date: 23-Feb-2021 11:05:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.811	4.811	0.000	99	153019	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.122	7.111	0.011	85	282868	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.987	8.987	0.000	94	332637	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.334	4.334	0.000	93	206554	25.0	25.1	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.593	4.593	0.000	93	129090	25.0	25.7	
$ 5 Toluene-d8 (Surr)	98	5.992	5.992	0.000	93	706842	25.0	25.4	
$ 6 4-Bromofluorobenzene (Surr)	174	8.055	8.055	0.000	93	230420	25.0	25.2	
10 Dichlorodifluoromethane	85	1.080	1.070	0.010	99	112042	10.0	10.6	
12 Chloromethane	50	1.236	1.236	0.000	99	110957	10.0	10.0	
13 Vinyl chloride	62	1.329	1.329	0.000	97	105356	10.0	9.90	
151 Butadiene	54	1.339	1.339	0.000	90	105966	10.0	10.1	
14 Bromomethane	94	1.598	1.598	0.000	89	60701	10.0	10.0	
15 Chloroethane	64	1.692	1.692	0.000	99	61045	10.0	10.8	
17 Trichlorofluoromethane	101	1.899	1.899	0.000	76	128766	10.0	10.6	
16 Dichlorofluoromethane	67	1.899	1.899	0.000	95	139145	10.0	9.75	
18 Ethyl ether	59	2.189	2.189	0.000	91	76029	10.0	10.7	
20 Acrolein	56	2.365	2.365	0.000	99	68248	50.0	52.1	
22 1,1-Dichloroethene	96	2.396	2.396	0.000	98	80373	10.0	10.2	
21 112TCTFE	101	2.386	2.396	-0.010	90	78628	10.0	10.5	
23 Acetone	43	2.521	2.521	0.000	100	191200	50.0	52.0	
25 Iodomethane	142	2.552	2.541	0.011	99	151287	10.0	10.6	
26 Carbon disulfide	76	2.583	2.583	0.000	99	263182	10.0	10.5	
28 3-Chloro-1-propene	41	2.749	2.749	0.000	93	123417	10.0	10.3	
27 Methyl acetate	43	2.801	2.800	0.001	98	174838	20.0	20.0	
30 Methylene Chloride	84	2.883	2.883	0.000	93	94957	10.0	10.7	
31 2-Methyl-2-propanol	59	3.049	3.049	0.000	97	132900	100.0	107.2	
32 Methyl tert-butyl ether	73	3.080	3.080	0.000	98	259137	10.0	10.6	
34 trans-1,2-Dichloroethene	96	3.091	3.091	0.000	99	93440	10.0	10.8	
33 Acrylonitrile	53	3.142	3.142	0.000	99	542322	100.0	111.1	
35 Hexane	57	3.267	3.267	0.000	89	126933	10.0	10.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.464	3.464	0.000	96	151579	10.0	10.4	
37 Vinyl acetate	43	3.516	3.515	0.001	98	288553	20.0	20.0	
44 2,2-Dichloropropane	77	3.909	3.909	0.000	90	87403	10.0	11.0	
45 cis-1,2-Dichloroethene	96	3.940	3.940	0.000	78	101026	10.0	10.9	
43 2-Butanone (MEK)	43	3.972	3.971	0.001	100	295244	50.0	51.4	
48 Chlorobromomethane	128	4.148	4.148	0.000	92	54587	10.0	10.7	
49 Tetrahydrofuran	42	4.158	4.158	0.000	88	89376	20.0	20.8	
50 Chloroform	83	4.210	4.210	0.000	94	142292	10.0	9.58	
52 Cyclohexane	56	4.303	4.303	0.000	90	157110	10.0	10.8	
51 1,1,1-Trichloroethane	97	4.303	4.303	0.000	99	117534	10.0	10.4	
55 Carbon tetrachloride	117	4.417	4.417	0.000	97	85295	10.0	9.99	
54 1,1-Dichloropropene	75	4.428	4.427	0.001	95	110824	10.0	10.4	
57 Benzene	78	4.593	4.593	0.000	93	322439	10.0	10.4	
53 Isobutyl alcohol	43	4.604	4.604	0.000	88	94017	250.0	242.9	
58 1,2-Dichloroethane	62	4.645	4.645	0.000	97	113756	10.0	9.89	
59 n-Heptane	43	4.728	4.728	0.000	92	125069	10.0	10.8	
62 Trichloroethene	95	5.080	5.080	0.000	96	84013	10.0	10.3	
64 Methylcyclohexane	83	5.174	5.174	0.000	89	159062	10.0	11.3	
65 1,2-Dichloropropane	63	5.277	5.277	0.000	94	72611	10.0	10.1	
67 Dibromomethane	93	5.381	5.381	0.000	93	53946	10.0	10.4	
66 1,4-Dioxane	88	5.391	5.391	0.000	40	24553	200.0	212.6	
68 Dichlorobromomethane	83	5.495	5.495	0.000	98	74892	10.0	10.6	
69 2-Chloroethyl vinyl ether	63	5.713	5.712	0.001	94	45461	10.0	9.65	
72 cis-1,3-Dichloropropene	75	5.816	5.816	0.000	95	98370	10.0	10.3	
73 4-Methyl-2-pentanone (MIBK)	43	5.930	5.930	0.000	96	539880	50.0	54.9	
74 Toluene	92	6.044	6.044	0.000	99	186493	10.0	10.6	
77 trans-1,3-Dichloropropene	75	6.251	6.251	0.000	90	84482	10.0	9.27	
75 Ethyl methacrylate	69	6.282	6.272	0.010	91	79040	10.0	9.79	
79 1,1,2-Trichloroethane	83	6.396	6.396	0.000	93	50668	10.0	10.2	
81 Tetrachloroethene	166	6.448	6.448	0.000	95	82626	10.0	10.4	
82 1,3-Dichloropropane	76	6.521	6.521	0.000	91	104323	10.0	10.3	
80 2-Hexanone	43	6.562	6.562	0.000	95	339402	50.0	52.9	
83 Chlorodibromomethane	129	6.707	6.707	0.000	89	46410	10.0	10.2	
84 Ethylene Dibromide	107	6.790	6.790	0.000	99	67293	10.0	10.1	
87 Chlorobenzene	112	7.143	7.143	0.000	96	200797	10.0	10.1	
88 Ethylbenzene	91	7.205	7.205	0.000	98	342972	10.0	10.4	
89 1,1,1,2-Tetrachloroethane	131	7.215	7.215	0.000	89	62003	10.0	10.7	
90 m-Xylene & p-Xylene	106	7.288	7.288	0.000	97	139261	10.0	10.5	
91 o-Xylene	106	7.609	7.609	0.000	98	143943	10.0	10.6	
92 Styrene	104	7.630	7.630	0.000	96	224375	10.0	10.3	
95 Bromoform	173	7.827	7.827	0.001	96	30846	10.0	9.11	
94 Isopropylbenzene	105	7.899	7.899	0.000	95	390256	10.0	10.6	
101 Bromobenzene	156	8.179	8.179	0.000	89	95268	10.0	10.1	
97 1,1,2,2-Tetrachloroethane	83	8.200	8.200	0.000	96	103077	10.0	10.4	
99 N-Propylbenzene	91	8.220	8.220	0.000	99	442345	10.0	10.6	
100 1,2,3-Trichloropropane	110	8.231	8.231	0.000	87	39677	10.0	10.4	
98 trans-1,4-Dichloro-2-butene	53	8.241	8.241	0.000	75	35214	10.0	10.2	
103 2-Chlorotoluene	126	8.314	8.314	0.000	97	95173	10.0	10.6	
102 1,3,5-Trimethylbenzene	105	8.365	8.365	0.000	95	336300	10.0	10.9	
105 4-Chlorotoluene	126	8.407	8.407	0.000	96	95889	10.0	10.8	
106 tert-Butylbenzene	134	8.625	8.624	0.001	92	71067	10.0	10.5	
107 1,2,4-Trimethylbenzene	105	8.676	8.676	0.000	97	342913	10.0	10.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.801	8.801	0.000	94	422345	10.0	10.7	
111 1,3-Dichlorobenzene	146	8.935	8.925	0.010	99	195287	10.0	10.5	
110 4-Isopropyltoluene	119	8.925	8.925	0.000	97	379587	10.0	10.9	
113 1,4-Dichlorobenzene	146	9.008	9.008	0.000	96	200549	10.0	10.4	
115 n-Butylbenzene	91	9.257	9.257	0.000	98	339586	10.0	10.8	
116 1,2-Dichlorobenzene	146	9.319	9.319	0.000	99	203637	10.0	10.5	
117 1,2-Dibromo-3-Chloropropane	75	9.982	9.992	-0.010	82	20586	10.0	8.86	
119 1,2,4-Trichlorobenzene	180	10.635	10.635	0.000	95	156139	10.0	10.3	
120 Hexachlorobutadiene	225	10.739	10.739	0.000	97	75567	10.0	10.9	
121 Naphthalene	128	10.853	10.853	0.000	96	528583	10.0	10.7	
122 1,2,3-Trichlorobenzene	180	11.039	11.039	0.000	96	157928	10.0	10.6	
S 126 1,3-Dichloropropene, Total	1				0			19.6	
S 124 Xylenes, Total	1				0			21.0	
S 123 Total BTEX	1				0			52.4	
S 125 1,2-Dichloroethene, Total	1				0			21.8	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00204	Amount Added:	5.00	Units: uL	
GAS CORP mix_00443	Amount Added:	5.00	Units: uL	
C_8260_IS_00152	Amount Added:	2.00	Units: uL	Run Reagent
C_8260_Surr_00169	Amount Added:	2.00	Units: uL	Run Reagent

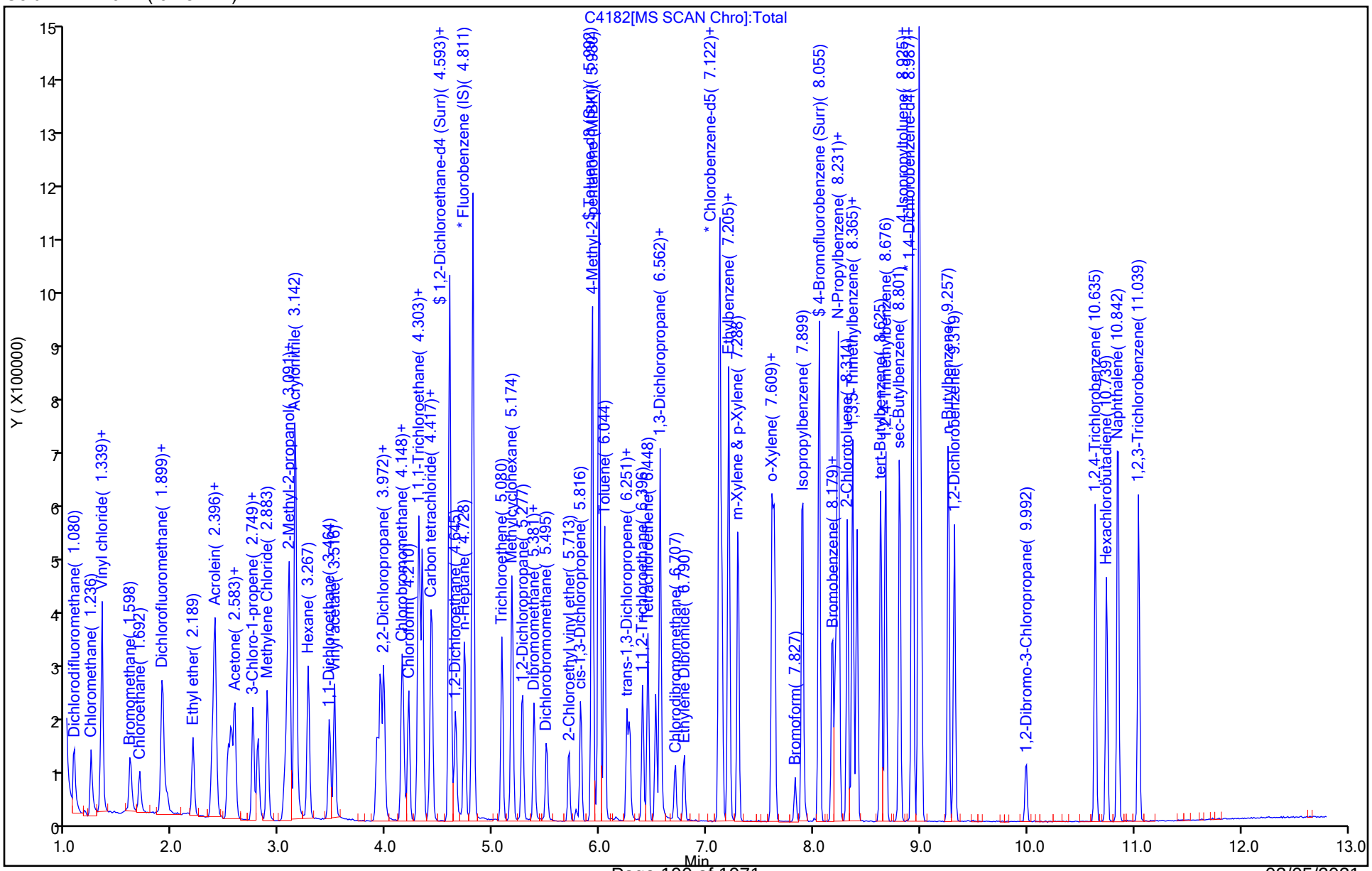
Report Date: 25-Feb-2021 11:49:44 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4182.D

Injection Date:	22-Feb-2021 16:31:30	Instrument ID:	HP5973C	Operator ID:	RF
Lims ID:	IC 4			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4183.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 22-Feb-2021 16:56:30 ALS Bottle#: 9 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: icis 5
Misc. Info.: 480-0096781-011
Operator ID: RF Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Feb-2021 11:49:50 Calib Date: 22-Feb-2021 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4196.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1673

First Level Reviewer: farrellr Date: 23-Feb-2021 14:48:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.811	4.811	0.000	99	151866	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.122	7.122	0.000	84	280816	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.987	8.987	0.000	94	349294	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.334	4.334	0.000	93	212113	25.0	26.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.593	4.593	0.000	58	127631	25.0	25.6	
$ 5 Toluene-d8 (Surr)	98	5.992	5.992	0.000	93	694842	25.0	25.2	
$ 6 4-Bromofluorobenzene (Surr)	174	8.054	8.054	0.000	92	226310	25.0	25.0	
10 Dichlorodifluoromethane	85	1.070	1.070	0.000	99	261367	25.0	25.0	
12 Chloromethane	50	1.235	1.235	0.000	99	263765	25.0	24.0	
13 Vinyl chloride	62	1.318	1.318	0.000	98	261032	25.0	24.7	
151 Butadiene	54	1.339	1.339	0.000	89	252253	25.0	24.2	
14 Bromomethane	94	1.598	1.598	0.000	91	156196	25.0	26.0	
15 Chloroethane	64	1.691	1.691	0.000	99	146638	25.0	26.2	
17 Trichlorofluoromethane	101	1.899	1.899	0.000	97	314519	25.0	26.0	
16 Dichlorofluoromethane	67	1.899	1.899	0.000	97	337294	25.0	23.8	
18 Ethyl ether	59	2.189	2.189	0.000	90	188389	25.0	26.6	
20 Acrolein	56	2.365	2.365	0.000	100	176109	125.0	135.5	
22 1,1-Dichloroethene	96	2.396	2.396	0.000	98	186528	25.0	24.0	
21 112TCTFE	101	2.386	2.386	0.000	93	188084	25.0	25.3	
23 Acetone	43	2.510	2.510	0.000	100	456587	125.0	125.1	
25 Iodomethane	142	2.541	2.541	0.000	98	365856	25.0	25.9	
26 Carbon disulfide	76	2.572	2.572	0.000	99	640593	25.0	25.8	
28 3-Chloro-1-propene	41	2.748	2.748	0.000	92	302257	25.0	25.3	
27 Methyl acetate	43	2.790	2.790	0.000	98	439251	50.0	50.7	
30 Methylene Chloride	84	2.883	2.883	0.000	93	223076	25.0	26.3	
31 2-Methyl-2-propanol	59	3.049	3.049	0.000	99	306290	250.0	248.8	
32 Methyl tert-butyl ether	73	3.080	3.080	0.000	96	646340	25.0	26.5	
34 trans-1,2-Dichloroethene	96	3.090	3.090	0.000	99	224725	25.0	26.3	
33 Acrylonitrile	53	3.142	3.142	0.000	99	1313862	250.0	271.2	
35 Hexane	57	3.267	3.267	0.000	90	286720	25.0	23.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.463	3.463	0.000	96	371906	25.0	25.7	
37 Vinyl acetate	43	3.515	3.515	0.000	97	753124	50.0	52.5	
44 2,2-Dichloropropane	77	3.909	3.909	0.000	91	212963	25.0	27.1	
45 cis-1,2-Dichloroethene	96	3.940	3.940	0.000	78	241464	25.0	26.3	
43 2-Butanone (MEK)	43	3.971	3.971	0.000	100	739653	125.0	129.6	
48 Chlorobromomethane	128	4.147	4.147	0.000	93	132637	25.0	26.2	
49 Tetrahydrofuran	42	4.158	4.158	0.000	86	210228	50.0	49.4	
50 Chloroform	83	4.210	4.210	0.000	93	348694	25.0	23.6	
52 Cyclohexane	56	4.303	4.303	0.000	90	363131	25.0	25.2	
51 1,1,1-Trichloroethane	97	4.303	4.303	0.000	99	286719	25.0	25.5	
55 Carbon tetrachloride	117	4.417	4.417	0.000	98	216235	25.0	25.5	
54 1,1-Dichloropropene	75	4.427	4.427	0.000	95	264843	25.0	24.9	
57 Benzene	78	4.593	4.593	0.000	96	768740	25.0	24.9	
53 Isobutyl alcohol	43	4.603	4.603	0.000	92	246237	625.0	641.0	
58 1,2-Dichloroethane	62	4.645	4.645	0.000	98	287247	25.0	25.2	
59 n-Heptane	43	4.728	4.728	0.000	92	280521	25.0	24.4	
62 Trichloroethene	95	5.080	5.080	0.000	95	198291	25.0	24.6	
64 Methylcyclohexane	83	5.173	5.173	0.000	90	355353	25.0	25.5	
65 1,2-Dichloropropane	63	5.277	5.277	0.000	96	180354	25.0	25.3	
67 Dibromomethane	93	5.381	5.381	0.000	94	135855	25.0	26.3	
66 1,4-Dioxane	88	5.391	5.391	0.000	92	60831	500.0	530.5	
68 Dichlorobromomethane	83	5.495	5.495	0.000	99	197920	25.0	28.3	
69 2-Chloroethyl vinyl ether	63	5.712	5.712	0.000	93	115387	25.0	24.7	
72 cis-1,3-Dichloropropene	75	5.816	5.816	0.000	96	260261	25.0	27.5	
73 4-Methyl-2-pentanone (MIBK)	43	5.930	5.930	0.000	96	1405003	125.0	144.0	
74 Toluene	92	6.044	6.044	0.000	98	444795	25.0	25.5	
77 trans-1,3-Dichloropropene	75	6.251	6.251	0.000	89	217626	25.0	23.7	
75 Ethyl methacrylate	69	6.282	6.282	0.000	89	213700	25.0	26.7	
79 1,1,2-Trichloroethane	83	6.396	6.396	0.000	91	129347	25.0	26.1	
81 Tetrachloroethene	166	6.448	6.448	0.000	97	201706	25.0	25.7	
82 1,3-Dichloropropane	76	6.521	6.521	0.000	90	268878	25.0	26.7	
80 2-Hexanone	43	6.562	6.562	0.000	95	873410	125.0	137.0	
83 Chlorodibromomethane	129	6.707	6.707	0.000	89	127571	25.0	28.2	
84 Ethylene Dibromide	107	6.790	6.790	0.000	100	176007	25.0	26.7	
87 Chlorobenzene	112	7.142	7.142	0.000	96	498115	25.0	25.2	
88 Ethylbenzene	91	7.205	7.205	0.000	98	842283	25.0	25.7	
89 1,1,1,2-Tetrachloroethane	131	7.215	7.215	0.000	91	165351	25.0	28.8	
90 m-Xylene & p-Xylene	106	7.287	7.287	0.000	97	344099	25.0	26.0	
91 o-Xylene	106	7.609	7.609	0.000	97	355532	25.0	26.3	
92 Styrene	104	7.629	7.629	0.000	95	553232	25.0	25.6	
95 Bromoform	173	7.826	7.826	0.000	97	82212	25.0	23.3	
94 Isopropylbenzene	105	7.899	7.899	0.000	95	953224	25.0	24.7	
101 Bromobenzene	156	8.179	8.179	0.000	89	231075	25.0	23.4	
97 1,1,2,2-Tetrachloroethane	83	8.199	8.199	0.000	97	265141	25.0	25.6	
99 N-Propylbenzene	91	8.230	8.230	0.000	99	1079408	25.0	24.5	
100 1,2,3-Trichloropropane	110	8.230	8.230	0.000	86	100584	25.0	25.0	
98 trans-1,4-Dichloro-2-butene	53	8.241	8.241	0.000	75	89076	25.0	24.5	
103 2-Chlorotoluene	126	8.313	8.313	0.000	97	232572	25.0	24.6	
102 1,3,5-Trimethylbenzene	105	8.365	8.365	0.000	95	833501	25.0	25.7	
105 4-Chlorotoluene	126	8.407	8.407	0.000	97	228249	25.0	24.4	
106 tert-Butylbenzene	134	8.624	8.624	0.000	92	187994	25.0	26.5	
107 1,2,4-Trimethylbenzene	105	8.676	8.676	0.000	96	851660	25.0	25.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.800	8.800	0.000	94	1059834	25.0	25.5	
111 1,3-Dichlorobenzene	146	8.935	8.935	0.000	98	476673	25.0	24.5	
110 4-Isopropyltoluene	119	8.925	8.925	0.000	97	938472	25.0	25.7	
113 1,4-Dichlorobenzene	146	9.008	9.008	0.000	95	479873	25.0	23.7	
115 n-Butylbenzene	91	9.256	9.256	0.000	98	823263	25.0	25.0	
116 1,2-Dichlorobenzene	146	9.319	9.319	0.000	99	497621	25.0	24.5	
117 1,2-Dibromo-3-Chloropropane	75	9.992	9.992	0.000	84	59868	25.0	23.4	
119 1,2,4-Trichlorobenzene	180	10.635	10.635	0.000	94	402497	25.0	25.3	
120 Hexachlorobutadiene	225	10.738	10.738	0.000	98	181529	25.0	24.9	
121 Naphthalene	128	10.852	10.852	0.000	96	1361464	25.0	26.2	
122 1,2,3-Trichlorobenzene	180	11.039	11.039	0.000	96	398038	25.0	25.4	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00204	Amount Added: 12.50	Units: uL	
GAS CORP mix_00443	Amount Added: 12.50	Units: uL	
C_8260_IS_00152	Amount Added: 2.00	Units: uL	Run Reagent
C_8260_Surr_00169	Amount Added: 2.00	Units: uL	Run Reagent

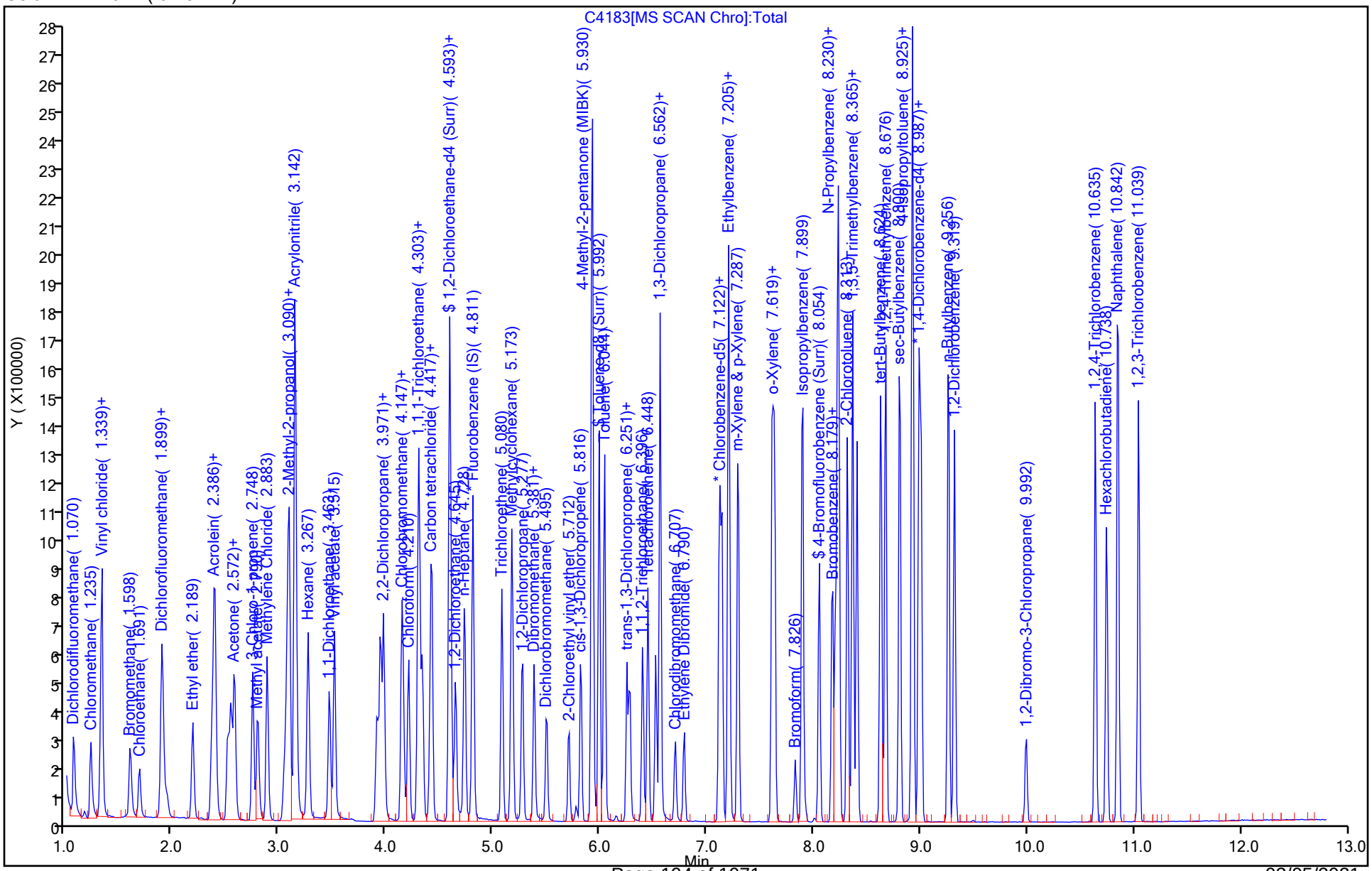
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Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4183.D

Injection Date:	22-Feb-2021 16:56:30	Instrument ID:	HP5973C	Operator ID:	RF
Lims ID:	ICIS 5			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4184.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 22-Feb-2021 17:22:30 ALS Bottle#: 10 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ic 6
Misc. Info.: 480-0096781-012
Operator ID: RF Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Feb-2021 11:49:58 Calib Date: 22-Feb-2021 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4196.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1673

First Level Reviewer: farrellr Date: 23-Feb-2021 11:06:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.811	4.811	0.000	99	162802	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.122	7.122	0.000	84	308984	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.987	8.987	0.000	93	333630	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.334	4.334	0.000	94	223737	25.0	25.6	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.593	4.593	0.000	47	130283	25.0	24.4	
$ 5 Toluene-d8 (Surr)	98	5.992	5.992	0.000	93	761003	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr)	174	8.054	8.054	0.000	93	246577	25.0	24.7	
10 Dichlorodifluoromethane	85	1.080	1.070	0.010	99	548161	50.0	48.8	
12 Chloromethane	50	1.235	1.235	0.000	99	540532	50.0	45.8	
13 Vinyl chloride	62	1.329	1.318	0.011	98	527451	50.0	46.6	
151 Butadiene	54	1.339	1.339	0.000	90	525211	50.0	46.9	
14 Bromomethane	94	1.609	1.598	0.011	90	305747	50.0	47.6	
15 Chloroethane	64	1.691	1.691	0.000	100	282602	50.0	47.1	
17 Trichlorofluoromethane	101	1.909	1.899	0.010	74	628566	50.0	48.5	
16 Dichlorofluoromethane	67	1.899	1.899	0.000	96	686301	50.0	45.2	
18 Ethyl ether	59	2.189	2.189	0.000	89	368481	50.0	48.5	
20 Acrolein	56	2.365	2.365	0.000	99	336158	250.0	241.3	
21 112TCTFE	101	2.386	2.386	0.000	91	407409	50.0	51.1	
22 1,1-Dichloroethene	96	2.396	2.396	0.000	98	397798	50.0	47.7	
23 Acetone	43	2.521	2.510	0.010	100	835961	250.0	213.6	
25 Iodomethane	142	2.552	2.541	0.011	98	746838	50.0	49.4	
26 Carbon disulfide	76	2.583	2.572	0.011	99	1327653	50.0	49.8	
28 3-Chloro-1-propene	41	2.748	2.748	0.000	92	621345	50.0	48.5	
27 Methyl acetate	43	2.800	2.790	0.010	98	881323	100.0	94.9	
30 Methylene Chloride	84	2.883	2.883	0.000	93	437441	50.0	48.6	
31 2-Methyl-2-propanol	59	3.049	3.049	0.000	99	583773	500.0	442.4	
32 Methyl tert-butyl ether	73	3.080	3.080	0.000	96	1286156	50.0	49.2	
34 trans-1,2-Dichloroethene	96	3.090	3.090	0.000	99	453956	50.0	49.5	
33 Acrylonitrile	53	3.142	3.142	0.000	99	2508763	500.0	483.0	
35 Hexane	57	3.267	3.267	0.000	90	633707	50.0	49.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.464	3.463	0.001	96	757673	50.0	48.8	
37 Vinyl acetate	43	3.515	3.515	0.000	97	1735440	100.0	112.9	
44 2,2-Dichloropropane	77	3.909	3.909	0.000	91	402847	50.0	47.8	
45 cis-1,2-Dichloroethene	96	3.951	3.940	0.011	78	485079	50.0	49.3	
43 2-Butanone (MEK)	43	3.971	3.971	0.000	100	1478794	250.0	241.7	
48 Chlorobromomethane	128	4.148	4.147	0.001	92	272077	50.0	50.1	
49 Tetrahydrofuran	42	4.158	4.158	0.000	87	417184	100.0	91.4	
50 Chloroform	83	4.210	4.210	0.000	94	735536	50.0	46.5	
52 Cyclohexane	56	4.303	4.303	0.000	90	765767	50.0	49.6	
51 1,1,1-Trichloroethane	97	4.303	4.303	0.000	98	600263	50.0	49.8	
55 Carbon tetrachloride	117	4.417	4.417	0.000	97	487376	50.0	53.6	
54 1,1-Dichloropropene	75	4.427	4.427	0.000	96	576240	50.0	50.6	
57 Benzene	78	4.593	4.593	0.000	97	1650576	50.0	49.9	
53 Isobutyl alcohol	43	4.603	4.603	0.000	93	531598	1250.0	1290.9	
58 1,2-Dichloroethane	62	4.645	4.645	0.000	97	590372	50.0	48.3	
59 n-Heptane	43	4.728	4.728	0.000	91	625597	50.0	50.8	
62 Trichloroethene	95	5.080	5.080	0.000	95	434037	50.0	50.1	
64 Methylcyclohexane	83	5.173	5.173	0.000	90	774982	50.0	51.9	
65 1,2-Dichloropropane	63	5.277	5.277	0.000	96	386614	50.0	50.5	
67 Dibromomethane	93	5.381	5.381	0.000	94	287528	50.0	52.0	
66 1,4-Dioxane	88	5.381	5.391	-0.010	35	121469	1000.0	962.8	
68 Dichlorobromomethane	83	5.495	5.495	0.000	99	447788	50.0	59.7	
69 2-Chloroethyl vinyl ether	63	5.712	5.712	0.000	92	279277	50.0	55.7	
72 cis-1,3-Dichloropropene	75	5.816	5.816	0.000	96	616910	50.0	60.9	
73 4-Methyl-2-pentanone (MIBK)	43	5.930	5.930	0.000	95	2843343	250.0	264.9	
74 Toluene	92	6.044	6.044	0.000	98	991395	50.0	51.7	
77 trans-1,3-Dichloropropene	75	6.251	6.251	0.000	89	537260	50.0	52.8	
75 Ethyl methacrylate	69	6.282	6.282	0.000	88	500999	50.0	56.8	
79 1,1,2-Trichloroethane	83	6.396	6.396	0.000	91	291513	50.0	53.6	
81 Tetrachloroethene	166	6.448	6.448	0.000	96	451208	50.0	52.2	
82 1,3-Dichloropropane	76	6.521	6.521	0.000	89	607279	50.0	54.8	
80 2-Hexanone	43	6.562	6.562	0.000	94	1868930	250.0	266.5	
83 Chlorodibromomethane	129	6.707	6.707	0.000	89	320605	50.0	64.4	
84 Ethylene Dibromide	107	6.790	6.790	0.000	99	401703	50.0	55.3	
87 Chlorobenzene	112	7.142	7.142	0.000	97	1127819	50.0	51.8	
88 Ethylbenzene	91	7.205	7.205	0.000	98	1837589	50.0	50.9	
89 1,1,1,2-Tetrachloroethane	131	7.215	7.215	0.000	93	380407	50.0	60.1	
90 m-Xylene & p-Xylene	106	7.288	7.287	0.001	97	752991	50.0	51.8	
91 o-Xylene	106	7.609	7.609	0.000	97	769844	50.0	51.7	
92 Styrene	104	7.629	7.629	0.000	95	1239574	50.0	52.1	
95 Bromoform	173	7.826	7.826	0.000	97	209895	50.0	53.0	
94 Isopropylbenzene	105	7.899	7.899	0.000	95	2090583	50.0	56.7	
101 Bromobenzene	156	8.179	8.179	0.000	90	506366	50.0	53.8	
97 1,1,2,2-Tetrachloroethane	83	8.199	8.199	0.000	95	577975	50.0	58.4	
100 1,2,3-Trichloropropane	110	8.231	8.230	0.001	85	206328	50.0	53.7	
99 N-Propylbenzene	91	8.220	8.230	-0.010	99	2336823	50.0	55.6	
98 trans-1,4-Dichloro-2-butene	53	8.241	8.241	0.000	75	187597	50.0	54.0	
103 2-Chlorotoluene	126	8.313	8.313	0.000	97	494521	50.0	54.7	
102 1,3,5-Trimethylbenzene	105	8.365	8.365	0.000	94	1755175	50.0	56.7	
105 4-Chlorotoluene	126	8.407	8.407	0.000	96	496725	50.0	55.6	
106 tert-Butylbenzene	134	8.624	8.624	0.000	92	405254	50.0	59.7	
107 1,2,4-Trimethylbenzene	105	8.676	8.676	0.000	96	1781435	50.0	54.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.801	8.800	0.000	94	2310749	50.0	58.3	
110 4-Isopropyltoluene	119	8.925	8.925	0.000	97	2009297	50.0	57.7	
111 1,3-Dichlorobenzene	146	8.935	8.935	0.000	98	1018909	50.0	54.8	
113 1,4-Dichlorobenzene	146	9.008	9.008	0.000	95	1021952	50.0	52.9	
115 n-Butylbenzene	91	9.256	9.256	0.000	97	1780900	50.0	56.5	
116 1,2-Dichlorobenzene	146	9.319	9.319	0.000	99	1033710	50.0	53.3	
117 1,2-Dibromo-3-Chloropropane	75	9.992	9.992	0.000	87	132387	50.0	53.3	
119 1,2,4-Trichlorobenzene	180	10.635	10.635	0.000	94	844414	50.0	55.6	
120 Hexachlorobutadiene	225	10.738	10.738	0.000	97	394921	50.0	56.8	
121 Naphthalene	128	10.852	10.852	0.000	96	2734009	50.0	55.0	
122 1,2,3-Trichlorobenzene	180	11.039	11.039	0.000	96	807912	50.0	53.9	
S 126 1,3-Dichloropropene, Total	1				0			113.7	
S 124 Xylenes, Total	1				0			103.5	
S 123 Total BTEX	1				0			256.0	
S 125 1,2-Dichloroethene, Total	1				0			98.9	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00204	Amount Added: 25.00	Units: uL	
GAS CORP mix_00443	Amount Added: 25.00	Units: uL	
C_8260_IS_00152	Amount Added: 2.00	Units: uL	Run Reagent
C_8260_Surr_00169	Amount Added: 2.00	Units: uL	Run Reagent

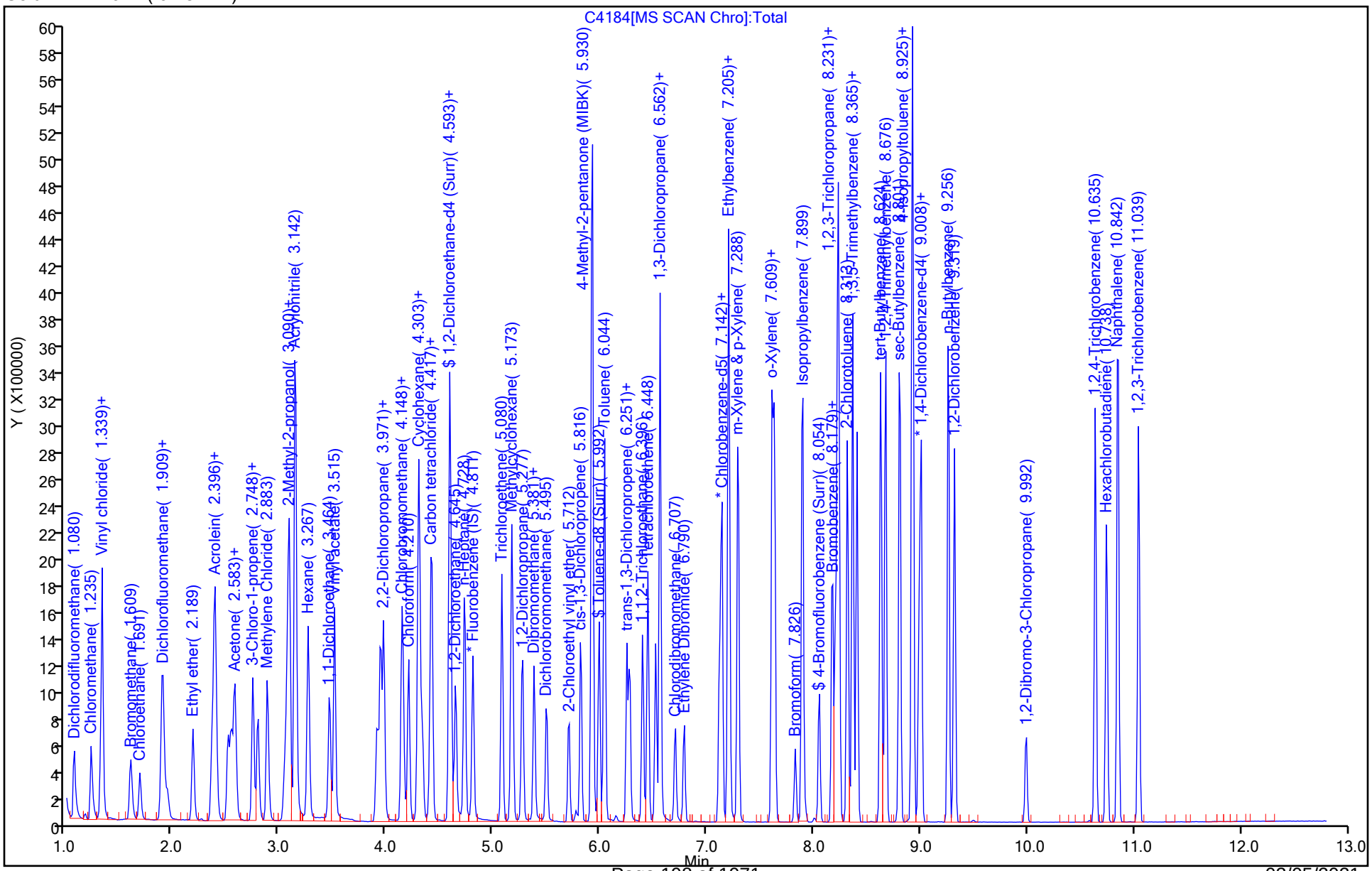
Report Date: 25-Feb-2021 11:50:01 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4184.D

Injection Date:	22-Feb-2021 17:22:30	Instrument ID:	HP5973C	Operator ID:	RF
Lims ID:	IC 6			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4185.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 22-Feb-2021 17:46:30 ALS Bottle#: 11 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ic 7
Misc. Info.: 480-0096781-013
Operator ID: RF Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Feb-2021 11:50:07 Calib Date: 22-Feb-2021 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4196.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1673

First Level Reviewer: farrellr Date: 23-Feb-2021 11:08:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.811	4.811	0.000	99	161836	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.122	7.122	0.000	83	325604	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.987	8.987	0.000	93	362507	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.334	4.334	0.000	94	220853	25.0	25.4	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.593	4.593	0.000	50	129980	25.0	24.5	
$ 5 Toluene-d8 (Surr)	98	5.992	5.992	0.000	93	762882	25.0	23.9	
$ 6 4-Bromofluorobenzene (Surr)	174	8.054	8.054	0.000	92	260906	25.0	24.8	
10 Dichlorodifluoromethane	85	1.070	1.070	0.000	99	1089937	100.0	97.6	
12 Chloromethane	50	1.236	1.235	0.001	99	1098614	100.0	93.7	
13 Vinyl chloride	62	1.318	1.318	0.000	98	1059036	100.0	94.1	
151 Butadiene	54	1.339	1.339	0.000	89	1015998	100.0	91.3	
14 Bromomethane	94	1.609	1.598	0.011	90	620647	100.0	97.1	
15 Chloroethane	64	1.691	1.691	0.000	99	560365	100.0	93.9	
17 Trichlorofluoromethane	101	1.899	1.899	0.000	76	1270926	100.0	98.6	
16 Dichlorofluoromethane	67	1.899	1.899	0.000	96	1342163	100.0	88.9	
18 Ethyl ether	59	2.189	2.189	0.000	89	752943	100.0	99.8	
20 Acrolein	56	2.365	2.365	0.000	100	690735	500.0	498.8	
21 112TCTFE	101	2.386	2.386	0.000	91	803825	100.0	101.4	
22 1,1-Dichloroethene	96	2.396	2.396	0.000	98	788173	100.0	95.0	
23 Acetone	43	2.521	2.510	0.011	100	1687625	500.0	433.9	
25 Iodomethane	142	2.552	2.541	0.011	98	1482361	100.0	98.6	
26 Carbon disulfide	76	2.583	2.572	0.011	99	2657802	100.0	100.3	
28 3-Chloro-1-propene	41	2.749	2.748	0.000	93	1237650	100.0	97.3	
27 Methyl acetate	43	2.790	2.790	0.000	98	1764949	200.0	191.1	
30 Methylene Chloride	84	2.883	2.883	0.000	92	881045	100.0	99.2	
31 2-Methyl-2-propanol	59	3.049	3.049	0.000	99	1282660	1000.0	977.9	
32 Methyl tert-butyl ether	73	3.080	3.080	0.000	96	2609593	100.0	100.5	
34 trans-1,2-Dichloroethene	96	3.090	3.090	0.000	100	912582	100.0	100.2	
33 Acrylonitrile	53	3.142	3.142	0.000	99	4948838	1000.0	958.4	
35 Hexane	57	3.267	3.267	0.000	89	1244553	100.0	96.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.464	3.463	0.001	96	1522863	100.0	98.7	
37 Vinyl acetate	43	3.515	3.515	0.000	97	3714121	200.0	243.1	
44 2,2-Dichloropropane	77	3.909	3.909	0.000	90	807593	100.0	96.3	
45 cis-1,2-Dichloroethene	96	3.940	3.940	0.000	78	983193	100.0	100.6	
43 2-Butanone (MEK)	43	3.971	3.971	0.000	100	3026883	500.0	497.8	
48 Chlorobromomethane	128	4.148	4.147	0.001	91	536581	100.0	99.4	
49 Tetrahydrofuran	42	4.158	4.158	0.000	87	828884	200.0	182.7	
50 Chloroform	83	4.210	4.210	0.000	93	1487580	100.0	94.7	
52 Cyclohexane	56	4.303	4.303	0.000	89	1501349	100.0	97.8	
51 1,1,1-Trichloroethane	97	4.303	4.303	0.000	98	1220316	100.0	101.9	
55 Carbon tetrachloride	117	4.417	4.417	0.000	97	1039449	100.0	115.1	
54 1,1-Dichloropropene	75	4.427	4.427	0.000	96	1157978	100.0	102.3	
57 Benzene	78	4.593	4.593	0.000	96	3320667	100.0	101.0	
53 Isobutyl alcohol	43	4.603	4.603	0.000	93	1217117	2500.0	2973.1	
58 1,2-Dichloroethane	62	4.645	4.645	0.000	97	1144959	100.0	94.2	
59 n-Heptane	43	4.728	4.728	0.000	92	1258499	100.0	102.8	
62 Trichloroethene	95	5.080	5.080	0.000	95	883542	100.0	102.7	
64 Methylcyclohexane	83	5.173	5.173	0.000	89	1557126	100.0	105.0	
65 1,2-Dichloropropane	63	5.267	5.277	-0.010	96	805332	100.0	105.8	
67 Dibromomethane	93	5.381	5.381	0.000	95	584751	100.0	106.4	
66 1,4-Dioxane	88	5.381	5.391	-0.010	92	255024	2000.0	1918.2	
68 Dichlorobromomethane	83	5.495	5.495	0.000	99	988616	100.0	132.7	
69 2-Chloroethyl vinyl ether	63	5.702	5.712	-0.010	92	599977	100.0	120.4	
72 cis-1,3-Dichloropropene	75	5.816	5.816	0.000	97	1317232	100.0	130.8	
73 4-Methyl-2-pentanone (MIBK)	43	5.930	5.930	0.000	95	5938220	500.0	524.9	
74 Toluene	92	6.044	6.044	0.000	98	2008428	100.0	99.3	
77 trans-1,3-Dichloropropene	75	6.251	6.251	0.000	89	1181061	100.0	109.8	
75 Ethyl methacrylate	69	6.272	6.282	-0.010	89	1086237	100.0	116.9	
79 1,1,2-Trichloroethane	83	6.396	6.396	0.000	90	619399	100.0	108.0	
81 Tetrachloroethene	166	6.448	6.448	0.000	97	925173	100.0	101.5	
82 1,3-Dichloropropane	76	6.521	6.521	0.000	90	1258114	100.0	107.7	
80 2-Hexanone	43	6.562	6.562	0.000	95	3973949	500.0	537.7	
83 Chlorodibromomethane	129	6.707	6.707	0.000	90	746301	100.0	142.2	
84 Ethylene Dibromide	107	6.790	6.790	0.000	99	848103	100.0	110.8	
87 Chlorobenzene	112	7.142	7.142	0.000	96	2365360	100.0	103.1	
88 Ethylbenzene	91	7.205	7.205	0.000	98	3828031	100.0	100.7	
89 1,1,1,2-Tetrachloroethane	131	7.215	7.215	0.000	94	826632	100.0	124.0	
90 m-Xylene & p-Xylene	106	7.288	7.287	0.001	97	1533725	100.0	100.1	
91 o-Xylene	106	7.609	7.609	0.000	97	1582487	100.0	100.9	
92 Styrene	104	7.630	7.629	0.001	95	2572716	100.0	102.6	
95 Bromoform	173	7.826	7.826	0.000	98	525999	100.0	125.2	
94 Isopropylbenzene	105	7.899	7.899	0.000	95	4186735	100.0	104.5	
101 Bromobenzene	156	8.179	8.179	0.000	89	1069815	100.0	104.5	
97 1,1,2,2-Tetrachloroethane	83	8.199	8.199	0.000	96	1201732	100.0	111.8	
100 1,2,3-Trichloropropane	110	8.241	8.230	0.011	85	428122	100.0	102.6	
99 N-Propylbenzene	91	8.231	8.230	0.001	99	4816072	100.0	105.4	
98 trans-1,4-Dichloro-2-butene	53	8.241	8.241	0.000	75	414316	100.0	109.7	
103 2-Chlorotoluene	126	8.313	8.313	0.000	97	999737	100.0	101.8	
102 1,3,5-Trimethylbenzene	105	8.365	8.365	0.000	93	3575994	100.0	106.3	
105 4-Chlorotoluene	126	8.407	8.407	0.000	97	1005915	100.0	103.6	
106 tert-Butylbenzene	134	8.624	8.624	0.000	91	825659	100.0	112.0	
107 1,2,4-Trimethylbenzene	105	8.676	8.676	0.000	96	3635449	100.0	102.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.801	8.800	0.001	94	4598909	100.0	106.7	
110 4-Isopropyltoluene	119	8.925	8.925	0.000	97	4096357	100.0	108.2	
111 1,3-Dichlorobenzene	146	8.935	8.935	0.000	98	2081919	100.0	103.1	
113 1,4-Dichlorobenzene	146	9.008	9.008	0.000	96	2136650	100.0	101.8	
115 n-Butylbenzene	91	9.256	9.256	0.000	97	3561797	100.0	104.0	
116 1,2-Dichlorobenzene	146	9.319	9.319	0.000	99	2069709	100.0	98.2	
117 1,2-Dibromo-3-Chloropropane	75	9.992	9.992	0.000	89	298725	100.0	109.9	
119 1,2,4-Trichlorobenzene	180	10.635	10.635	0.000	94	1649306	100.0	99.9	
120 Hexachlorobutadiene	225	10.738	10.738	0.000	97	770128	100.0	101.9	
121 Naphthalene	128	10.852	10.852	0.000	96	5453256	100.0	101.0	
122 1,2,3-Trichlorobenzene	180	11.039	11.039	0.000	97	1589627	100.0	97.6	
S 126 1,3-Dichloropropene, Total	1				0			240.6	
S 124 Xylenes, Total	1				0			201.0	
S 123 Total BTEX	1				0			501.9	
S 125 1,2-Dichloroethene, Total	1				0			200.8	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00204	Amount Added: 50.00	Units: uL	
GAS CORP mix_00443	Amount Added: 50.00	Units: uL	
C_8260_IS_00152	Amount Added: 2.00	Units: uL	Run Reagent
C_8260_Surr_00169	Amount Added: 2.00	Units: uL	Run Reagent

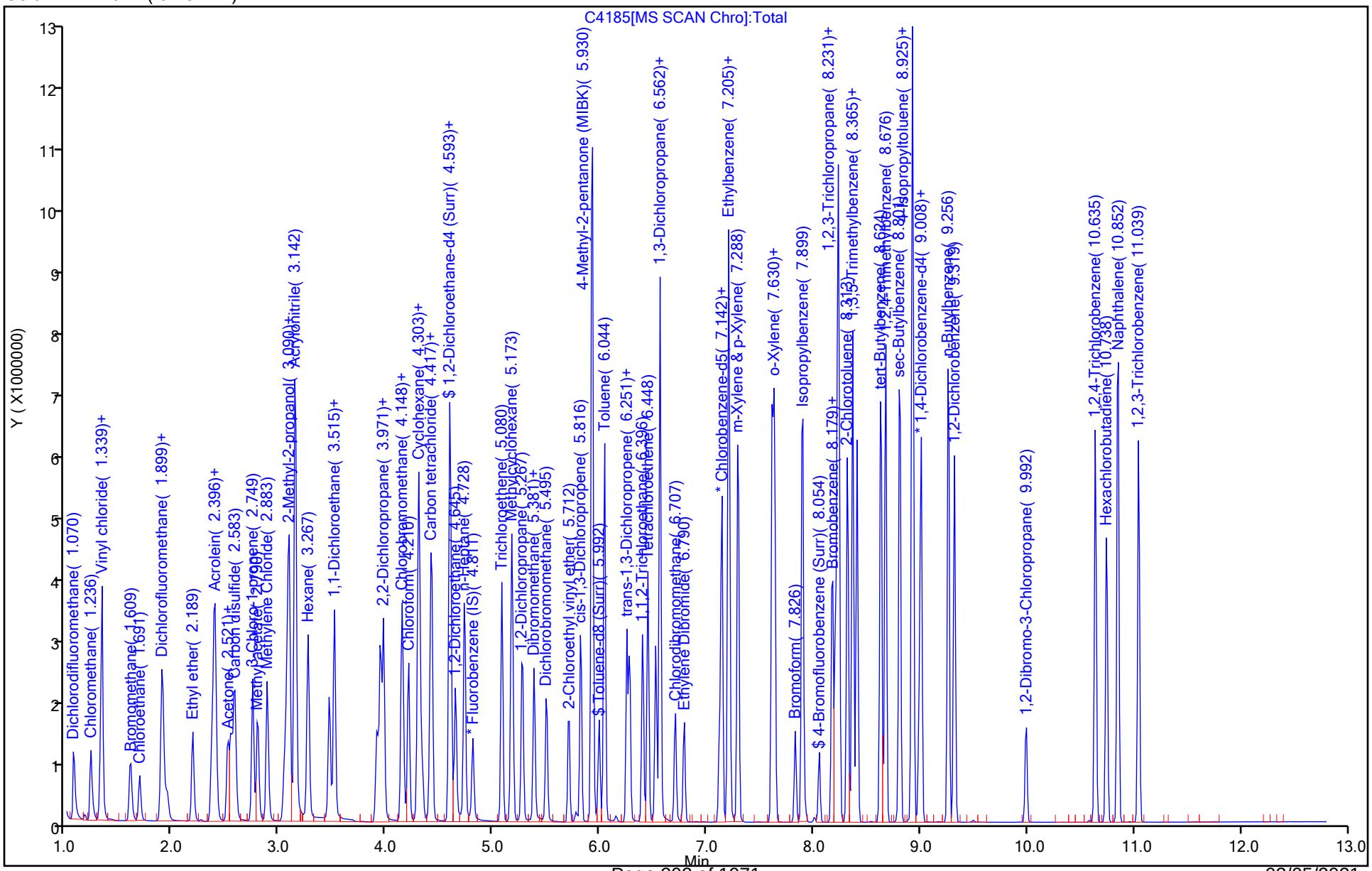
Report Date: 25-Feb-2021 11:50:10 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4185.D

Injection Date:	22-Feb-2021 17:46:30	Instrument ID:	HP5973C	Operator ID:	RF
Lims ID:	IC 7			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Calibration / Dichlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

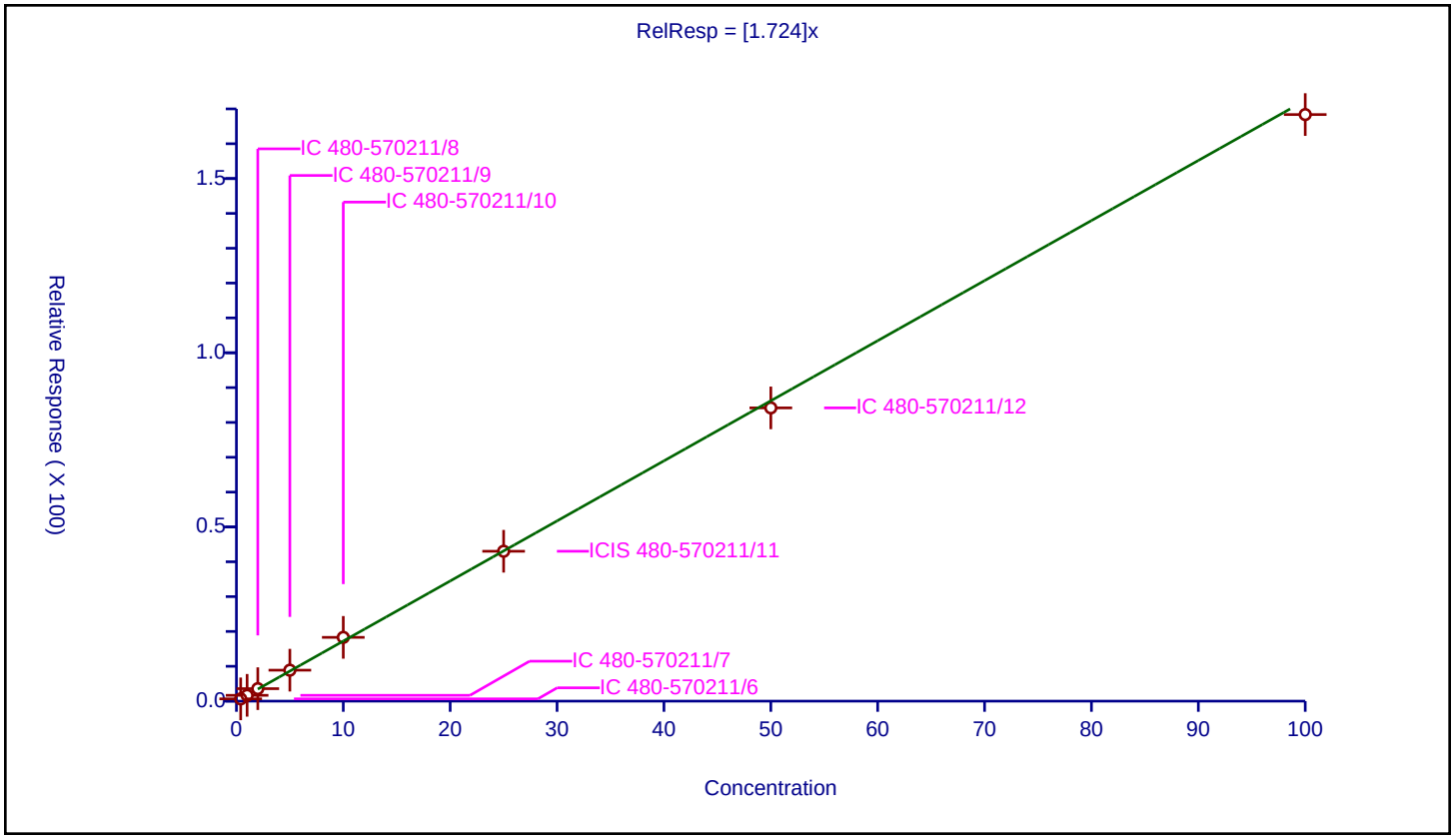
Curve Coefficients

Intercept:	0
Slope:	1.724

Error Coefficients

Standard Error:	474000
Relative Standard Error:	3.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.655729	25.0	152159.0	1.639321	Y
2	IC 480-570211/7	1.0	1.668777	25.0	157945.0	1.668777	Y
3	IC 480-570211/8	2.0	3.581848	25.0	158354.0	1.790924	Y
4	IC 480-570211/9	5.0	8.883592	25.0	154276.0	1.776718	Y
5	IC 480-570211/10	10.0	18.305243	25.0	153019.0	1.830524	Y
6	ICIS 480-570211/11	25.0	43.025924	25.0	151866.0	1.721037	Y
7	IC 480-570211/12	50.0	84.176024	25.0	162802.0	1.68352	Y
8	IC 480-570211/13	100.0	168.370604	25.0	161836.0	1.683706	Y



Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

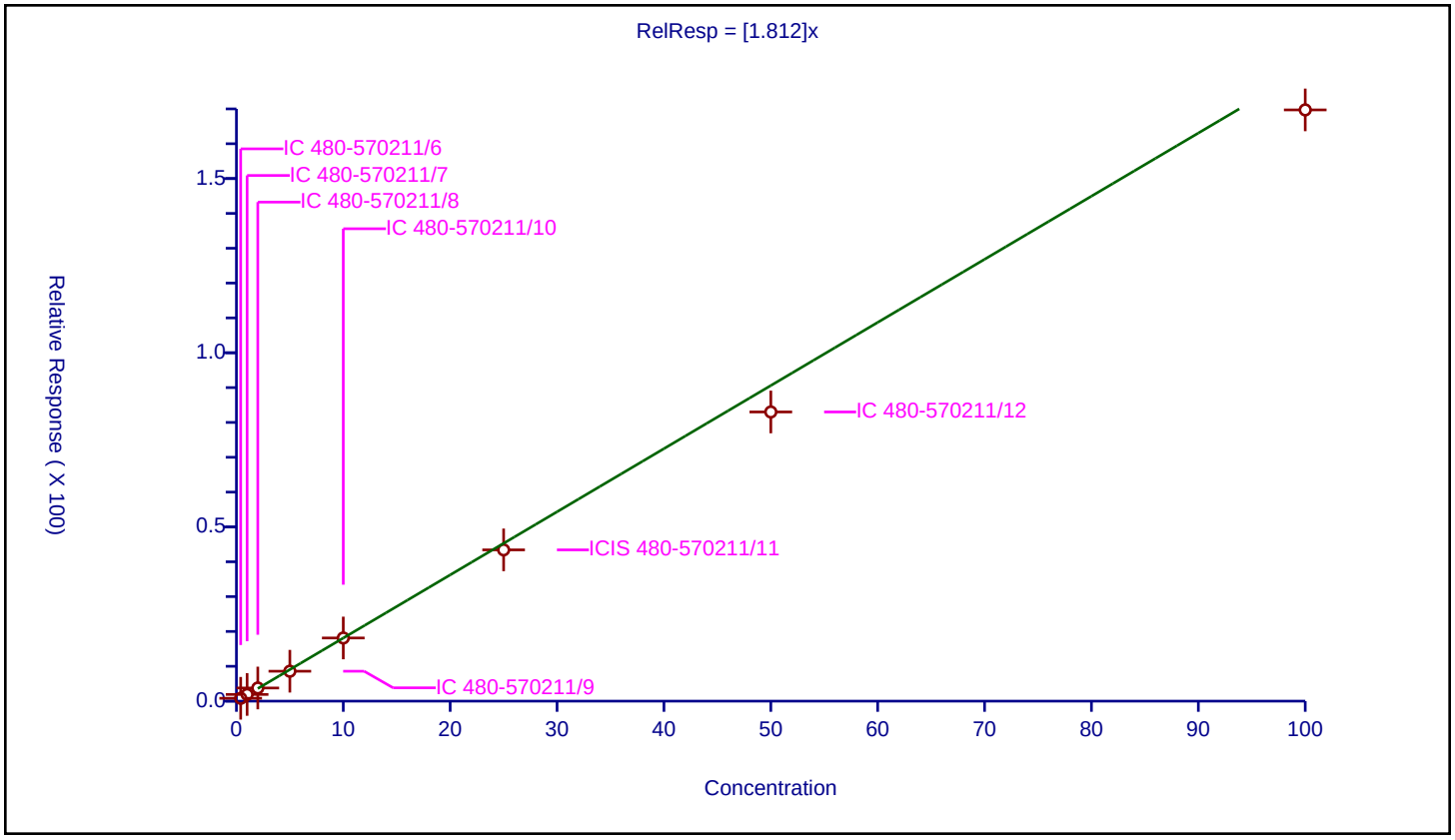
Curve Coefficients

Intercept:	0
Slope:	1.812

Error Coefficients

Standard Error:	476000
Relative Standard Error:	7.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.823481	25.0	152159.0	2.058702	Y
2	IC 480-570211/7	1.0	1.923454	25.0	157945.0	1.923454	Y
3	IC 480-570211/8	2.0	3.774455	25.0	158354.0	1.887227	Y
4	IC 480-570211/9	5.0	8.589638	25.0	154276.0	1.717928	Y
5	IC 480-570211/10	10.0	18.127978	25.0	153019.0	1.812798	Y
6	ICIS 480-570211/11	25.0	43.42068	25.0	151866.0	1.736827	Y
7	IC 480-570211/12	50.0	83.004509	25.0	162802.0	1.66009	Y
8	IC 480-570211/13	100.0	169.711004	25.0	161836.0	1.69711	Y



Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

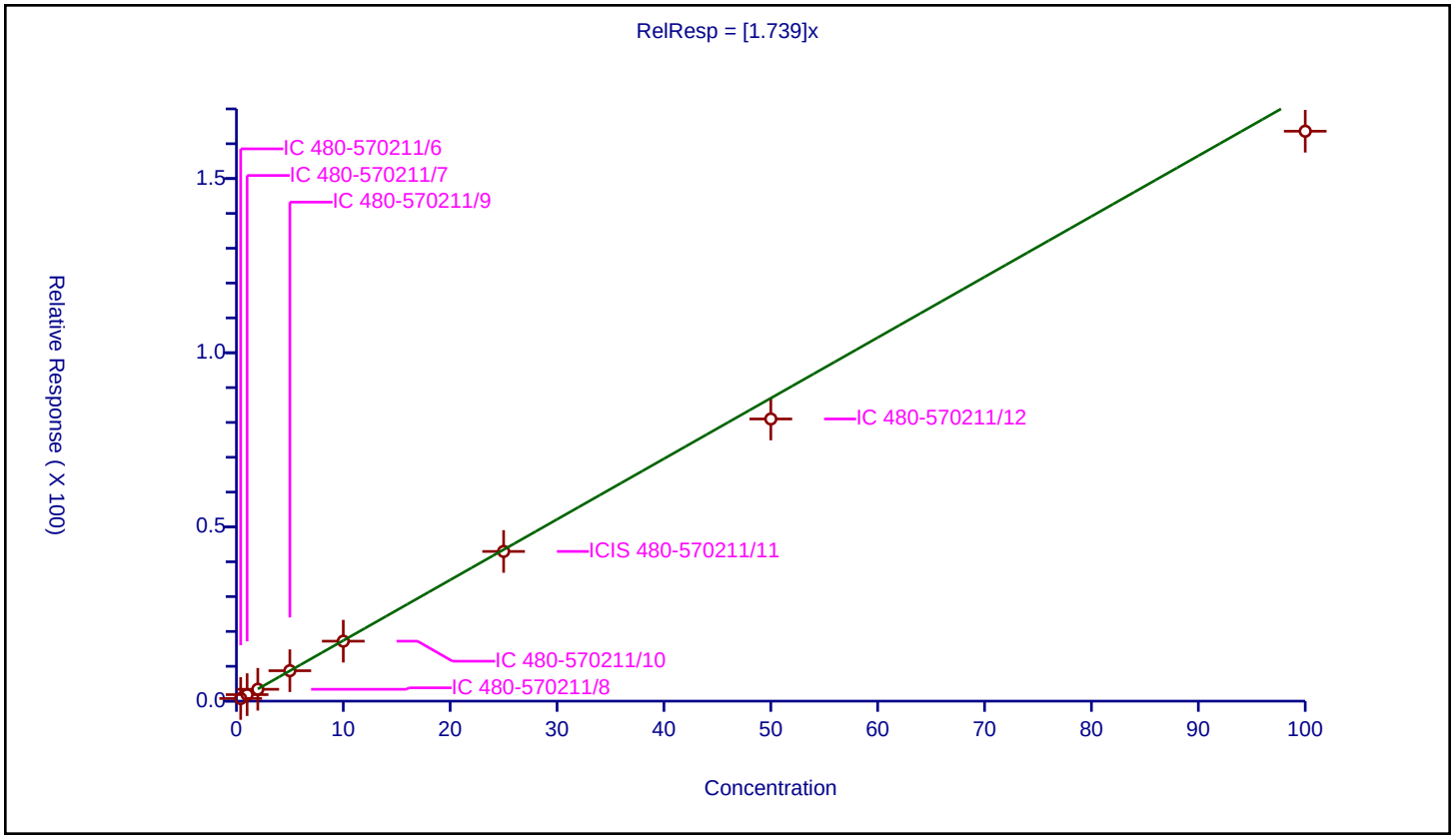
Curve Coefficients

Intercept:	0
Slope:	1.739

Error Coefficients

Standard Error:	460000
Relative Standard Error:	5.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.759567	25.0	152159.0	1.898918	Y
2	IC 480-570211/7	1.0	1.870746	25.0	157945.0	1.870746	Y
3	IC 480-570211/8	2.0	3.404871	25.0	158354.0	1.702436	Y
4	IC 480-570211/9	5.0	8.732888	25.0	154276.0	1.746578	Y
5	IC 480-570211/10	10.0	17.212895	25.0	153019.0	1.72129	Y
6	ICIS 480-570211/11	25.0	42.970777	25.0	151866.0	1.718831	Y
7	IC 480-570211/12	50.0	80.99578	25.0	162802.0	1.619916	Y
8	IC 480-570211/13	100.0	163.597098	25.0	161836.0	1.635971	Y



Calibration / Butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

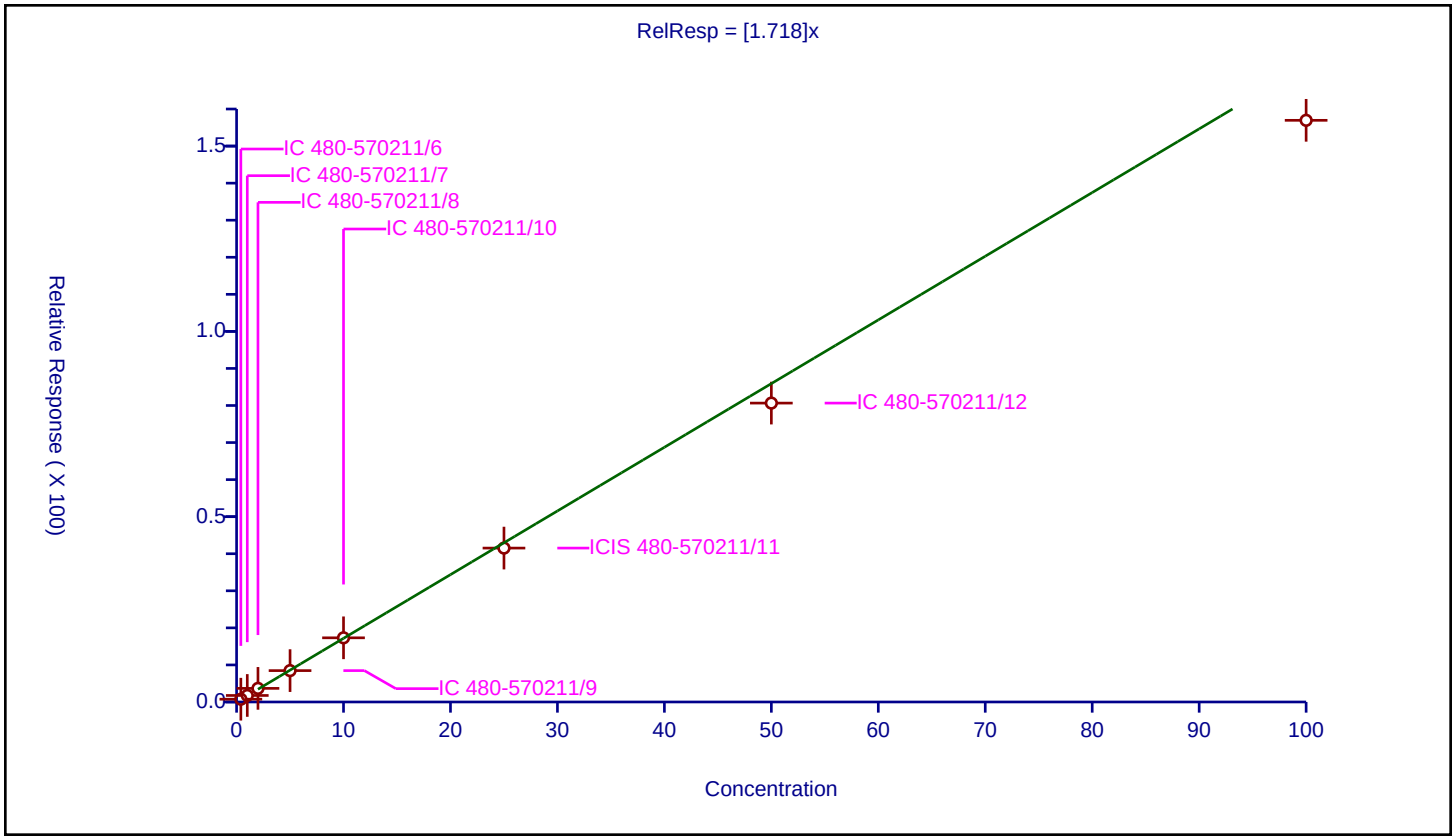
Curve Coefficients

Intercept:	0
Slope:	1.718

Error Coefficients

Standard Error:	445000
Relative Standard Error:	6.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.752995	25.0	152159.0	1.882488	Y
2	IC 480-570211/7	1.0	1.758998	25.0	157945.0	1.758998	Y
3	IC 480-570211/8	2.0	3.673415	25.0	158354.0	1.836708	Y
4	IC 480-570211/9	5.0	8.464213	25.0	154276.0	1.692843	Y
5	IC 480-570211/10	10.0	17.312556	25.0	153019.0	1.731256	Y
6	ICIS 480-570211/11	25.0	41.525588	25.0	151866.0	1.661024	Y
7	IC 480-570211/12	50.0	80.651804	25.0	162802.0	1.613036	Y
8	IC 480-570211/13	100.0	156.948701	25.0	161836.0	1.569487	Y



Calibration / Bromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

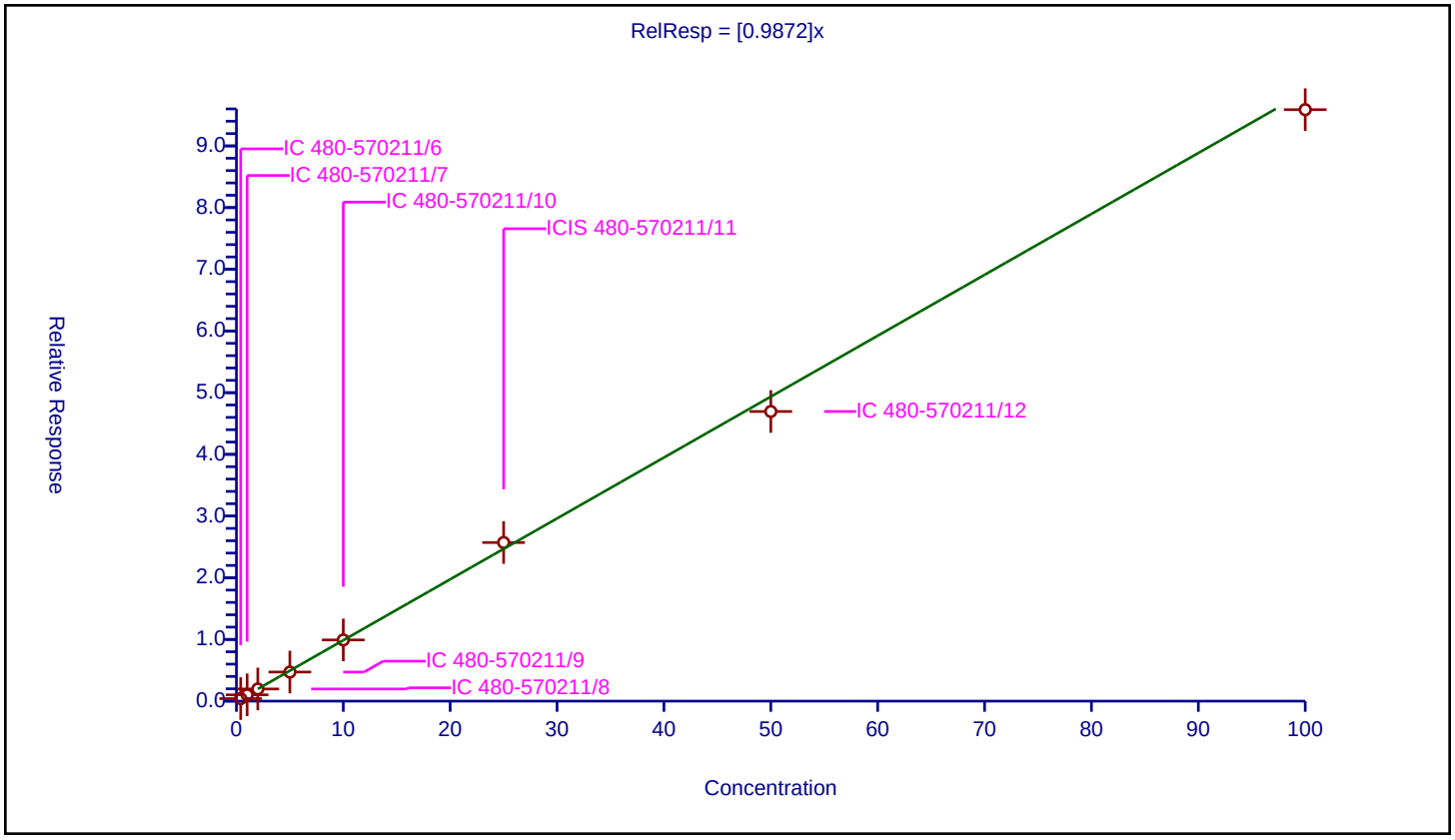
Curve Coefficients

Intercept:	0
Slope:	0.9872

Error Coefficients

Standard Error:	269000
Relative Standard Error:	3.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.412233	25.0	152159.0	1.030583	Y
2	IC 480-570211/7	1.0	1.0195	25.0	157945.0	1.0195	Y
3	IC 480-570211/8	2.0	1.972795	25.0	158354.0	0.986398	Y
4	IC 480-570211/9	5.0	4.714602	25.0	154276.0	0.94292	Y
5	IC 480-570211/10	10.0	9.917233	25.0	153019.0	0.991723	Y
6	ICIS 480-570211/11	25.0	25.712799	25.0	151866.0	1.028512	Y
7	IC 480-570211/12	50.0	46.950744	25.0	162802.0	0.939015	Y
8	IC 480-570211/13	100.0	95.875918	25.0	161836.0	0.958759	Y



Calibration / Chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

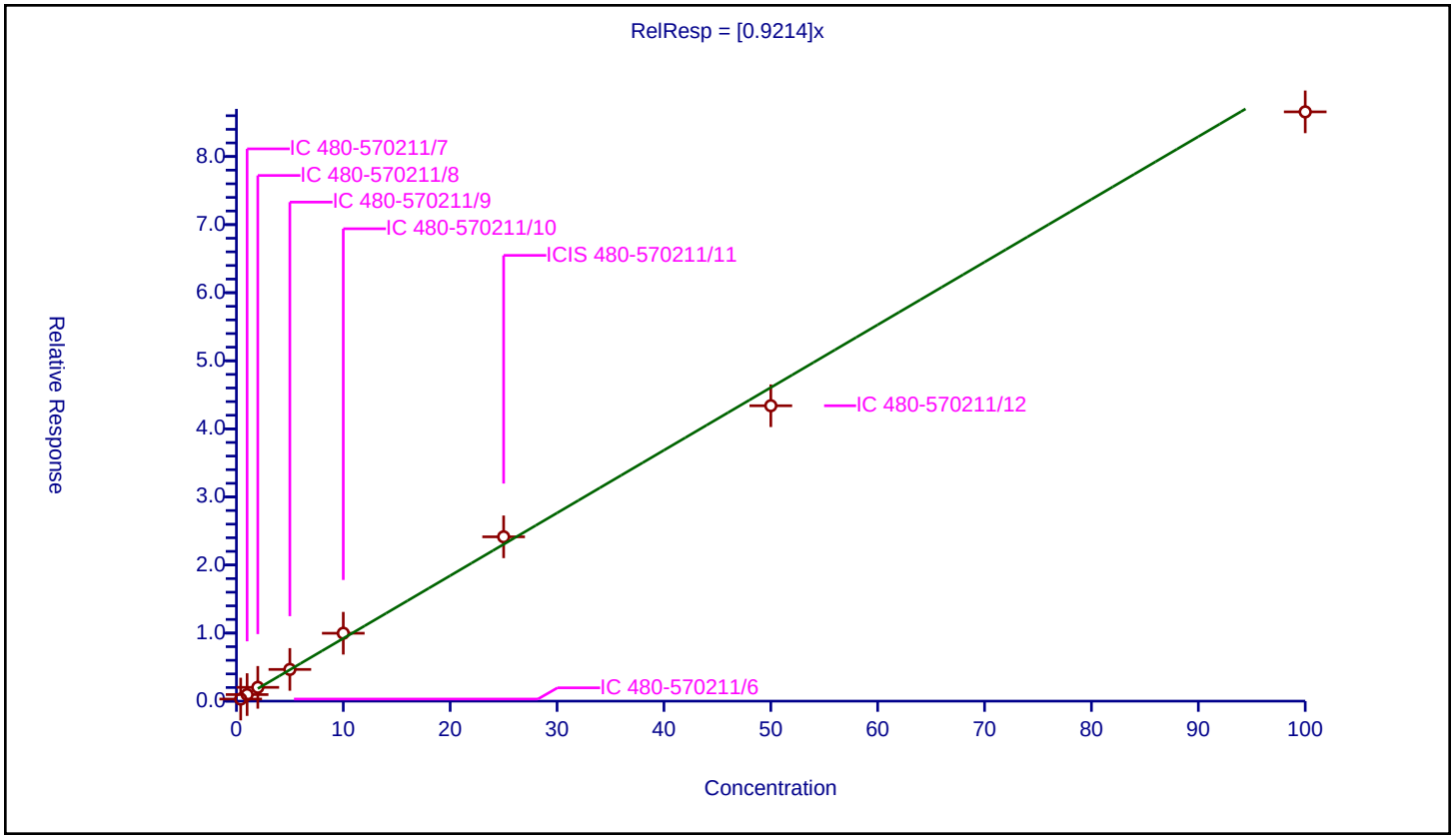
Curve Coefficients

Intercept:	0
Slope:	0.9214

Error Coefficients

Standard Error:	245000
Relative Standard Error:	9.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.306916	25.0	152159.0	0.767289	Y
2	IC 480-570211/7	1.0	0.963943	25.0	157945.0	0.963943	Y
3	IC 480-570211/8	2.0	2.024894	25.0	158354.0	1.012447	Y
4	IC 480-570211/9	5.0	4.655941	25.0	154276.0	0.931188	Y
5	IC 480-570211/10	10.0	9.973435	25.0	153019.0	0.997343	Y
6	ICIS 480-570211/11	25.0	24.139373	25.0	151866.0	0.965575	Y
7	IC 480-570211/12	50.0	43.39658	25.0	162802.0	0.867932	Y
8	IC 480-570211/13	100.0	86.563713	25.0	161836.0	0.865637	Y



Calibration / Dichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

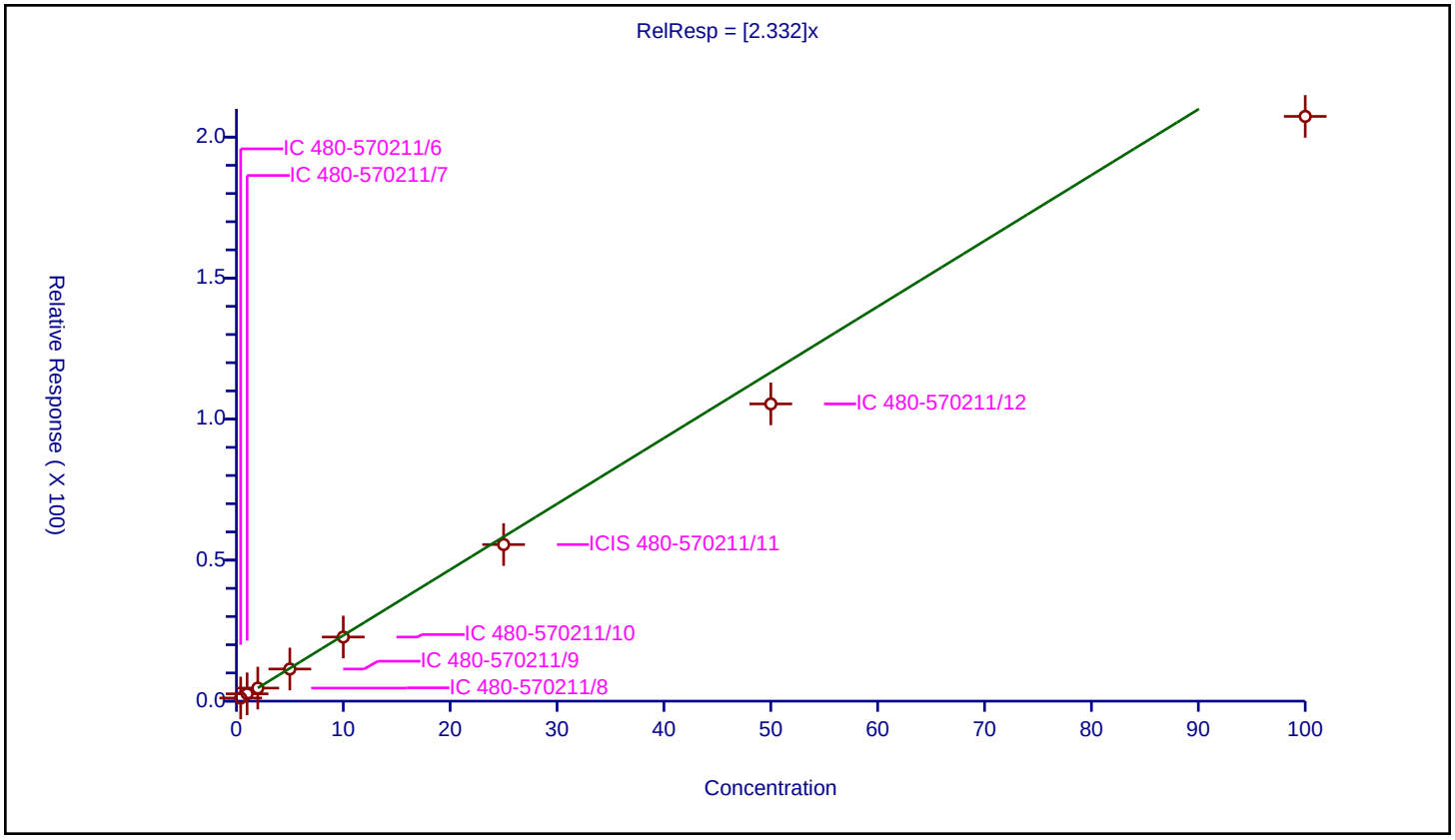
Curve Coefficients

Intercept:	0
Slope:	2.332

Error Coefficients

Standard Error:	587000
Relative Standard Error:	10.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	1.112488	25.0	152159.0	2.781219	Y
2	IC 480-570211/7	1.0	2.598848	25.0	157945.0	2.598848	Y
3	IC 480-570211/8	2.0	4.636605	25.0	158354.0	2.318303	Y
4	IC 480-570211/9	5.0	11.392245	25.0	154276.0	2.278449	Y
5	IC 480-570211/10	10.0	22.733288	25.0	153019.0	2.273329	Y
6	ICIS 480-570211/11	25.0	55.524936	25.0	151866.0	2.220997	Y
7	IC 480-570211/12	50.0	105.388908	25.0	162802.0	2.107778	Y
8	IC 480-570211/13	100.0	207.333813	25.0	161836.0	2.073338	Y



Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

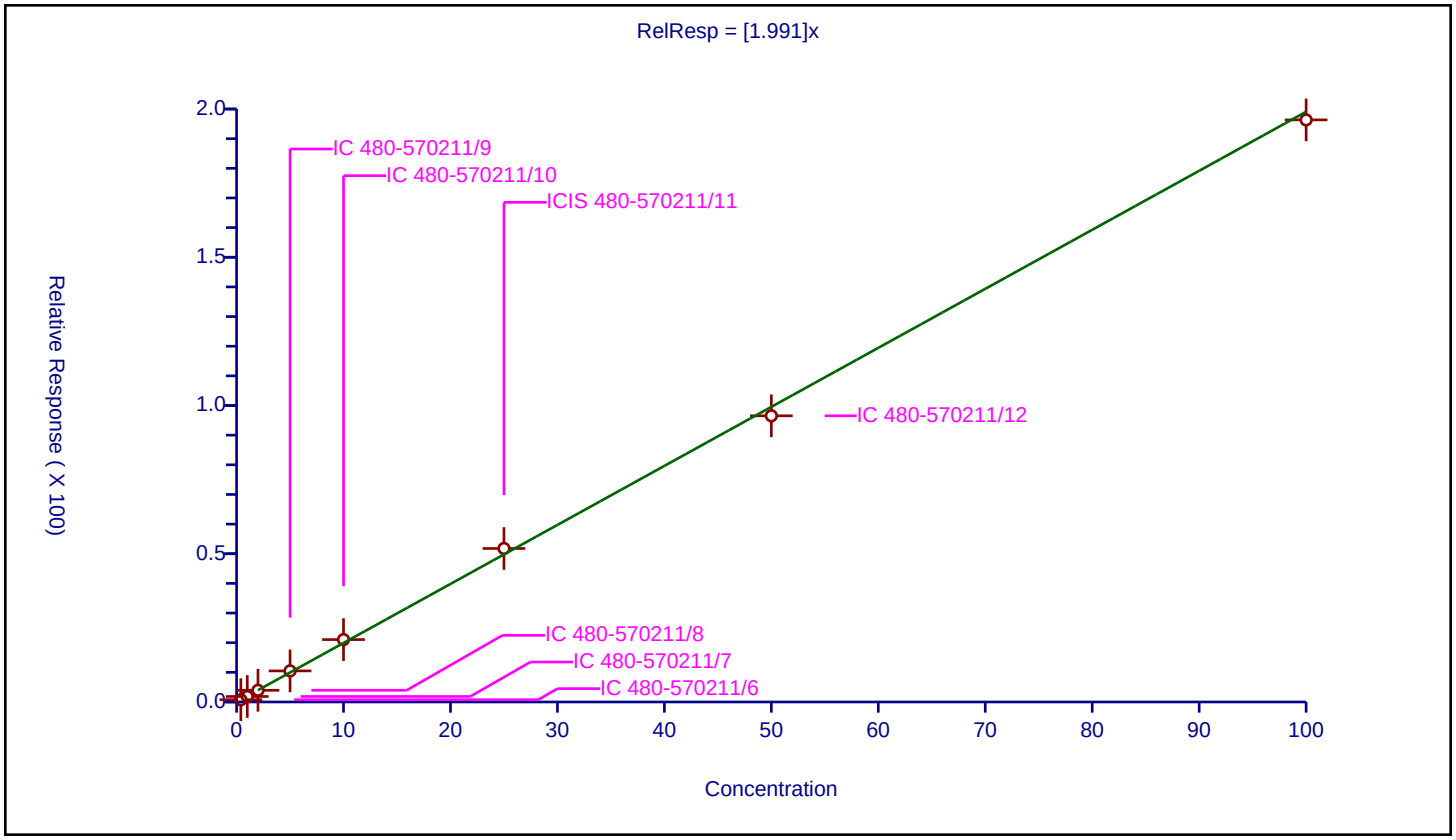
Curve Coefficients

Intercept:	0
Slope:	1.991

Error Coefficients

Standard Error:	552000
Relative Standard Error:	4.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.772054	25.0	152159.0	1.930136	Y
2	IC 480-570211/7	1.0	1.855709	25.0	157945.0	1.855709	Y
3	IC 480-570211/8	2.0	3.948274	25.0	158354.0	1.974137	Y
4	IC 480-570211/9	5.0	10.48397	25.0	154276.0	2.096794	Y
5	IC 480-570211/10	10.0	21.037584	25.0	153019.0	2.103758	Y
6	ICIS 480-570211/11	25.0	51.775743	25.0	151866.0	2.07103	Y
7	IC 480-570211/12	50.0	96.523077	25.0	162802.0	1.930462	Y
8	IC 480-570211/13	100.0	196.329309	25.0	161836.0	1.963293	Y



Calibration / Ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

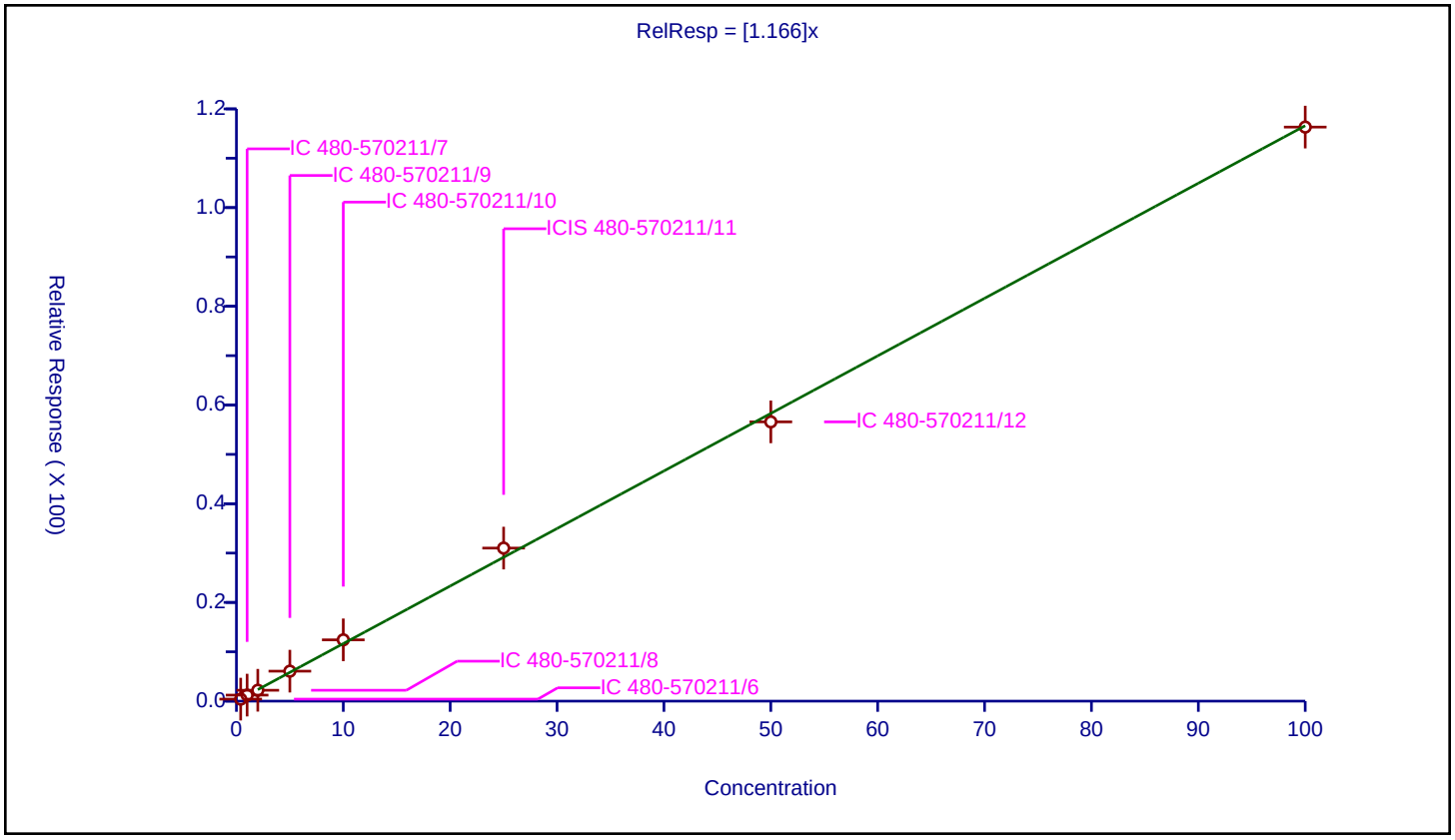
Curve Coefficients

Intercept:	0
Slope:	1.166

Error Coefficients

Standard Error:	326000
Relative Standard Error:	6.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.40484	25.0	152159.0	1.012099	Y
2	IC 480-570211/7	1.0	1.220362	25.0	157945.0	1.220362	Y
3	IC 480-570211/8	2.0	2.206449	25.0	158354.0	1.103224	Y
4	IC 480-570211/9	5.0	6.073044	25.0	154276.0	1.214609	Y
5	IC 480-570211/10	10.0	12.421497	25.0	153019.0	1.24215	Y
6	ICIS 480-570211/11	25.0	31.012373	25.0	151866.0	1.240495	Y
7	IC 480-570211/12	50.0	56.584225	25.0	162802.0	1.131685	Y
8	IC 480-570211/13	100.0	116.312656	25.0	161836.0	1.163127	Y



Calibration / Acrolein

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

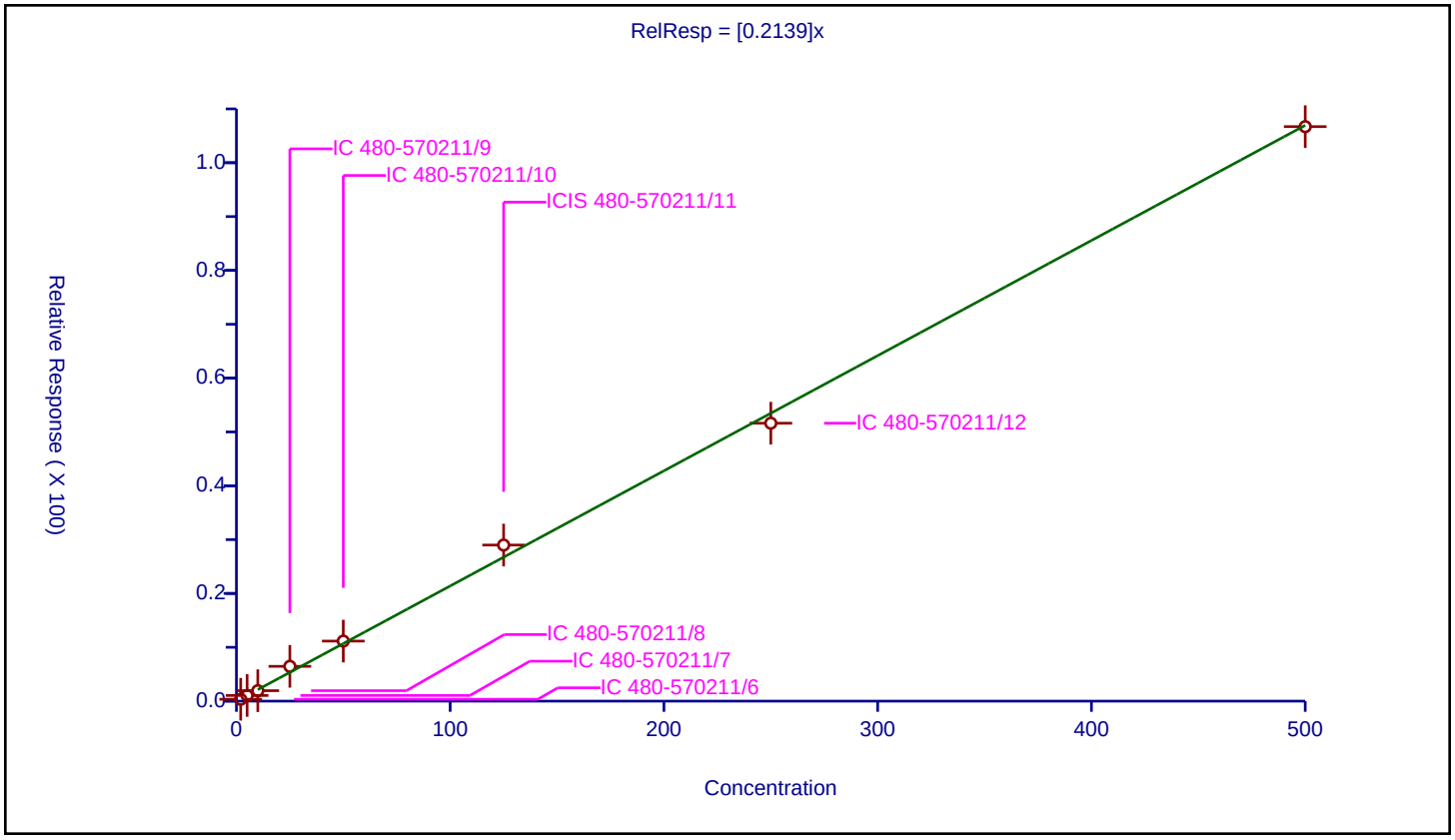
Curve Coefficients

Intercept:	0
Slope:	0.2139

Error Coefficients

Standard Error:	299000
Relative Standard Error:	11.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	2.0	0.347498	25.0	152159.0	0.173749	Y
2	IC 480-570211/7	5.0	1.049574	25.0	157945.0	0.209915	Y
3	IC 480-570211/8	10.0	1.942483	25.0	158354.0	0.194248	Y
4	IC 480-570211/9	25.0	6.461634	25.0	154276.0	0.258465	Y
5	IC 480-570211/10	50.0	11.150249	25.0	153019.0	0.223005	Y
6	ICIS 480-570211/11	125.0	28.990854	25.0	151866.0	0.231927	Y
7	IC 480-570211/12	250.0	51.62068	25.0	162802.0	0.206483	Y
8	IC 480-570211/13	500.0	106.702928	25.0	161836.0	0.213406	Y



Calibration / 1,1,2-Trichloro-1,2,2-trifluoroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

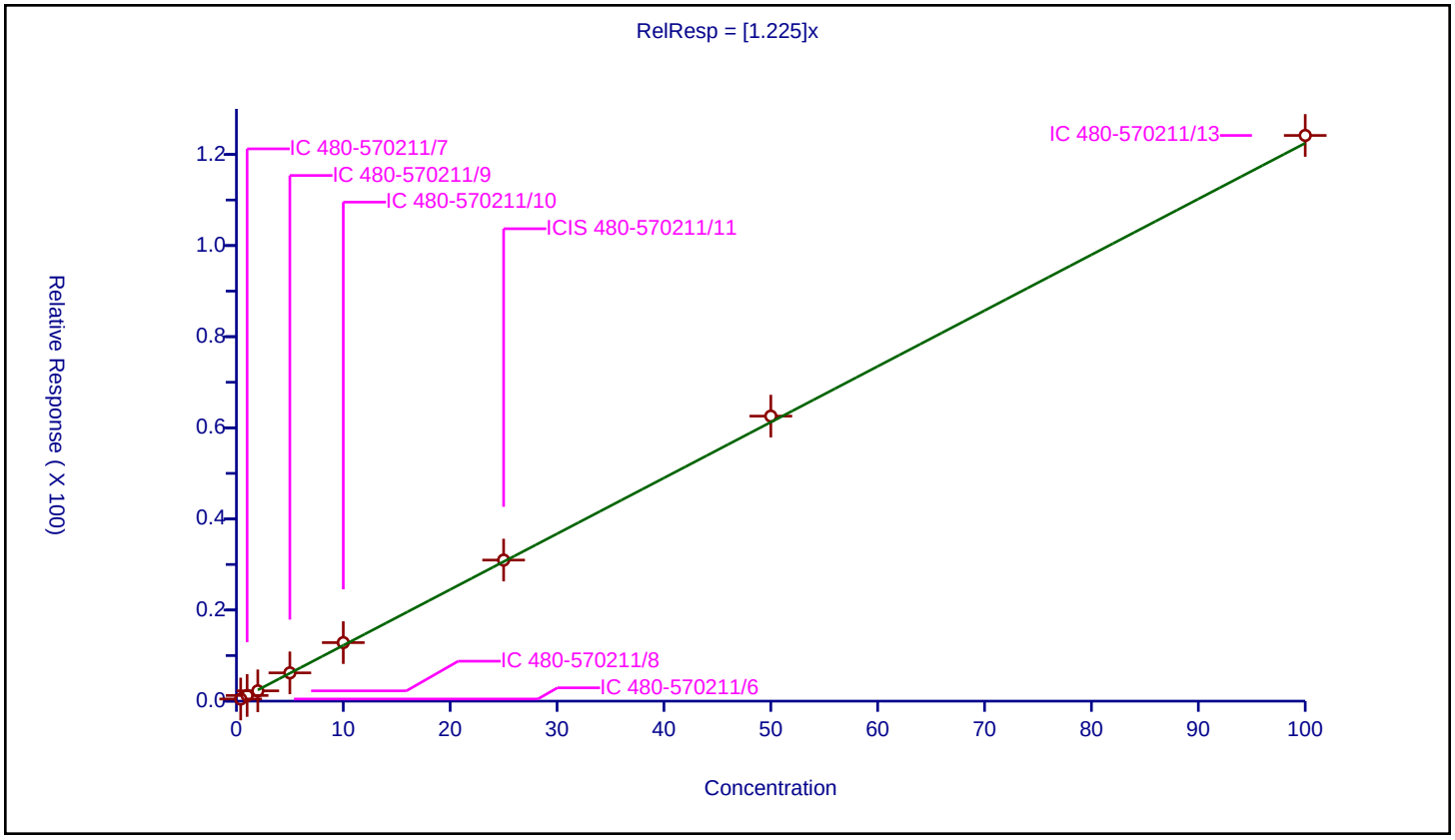
Curve Coefficients

Intercept:	0
Slope:	1.225

Error Coefficients

Standard Error:	350000
Relative Standard Error:	4.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.468917	25.0	152159.0	1.172293	Y
2	IC 480-570211/7	1.0	1.23983	25.0	157945.0	1.23983	Y
3	IC 480-570211/8	2.0	2.2576	25.0	158354.0	1.1288	Y
4	IC 480-570211/9	5.0	6.206247	25.0	154276.0	1.241249	Y
5	IC 480-570211/10	10.0	12.846117	25.0	153019.0	1.284612	Y
6	ICIS 480-570211/11	25.0	30.962164	25.0	151866.0	1.238487	Y
7	IC 480-570211/12	50.0	62.562039	25.0	162802.0	1.251241	Y
8	IC 480-570211/13	100.0	124.172774	25.0	161836.0	1.241728	Y



Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

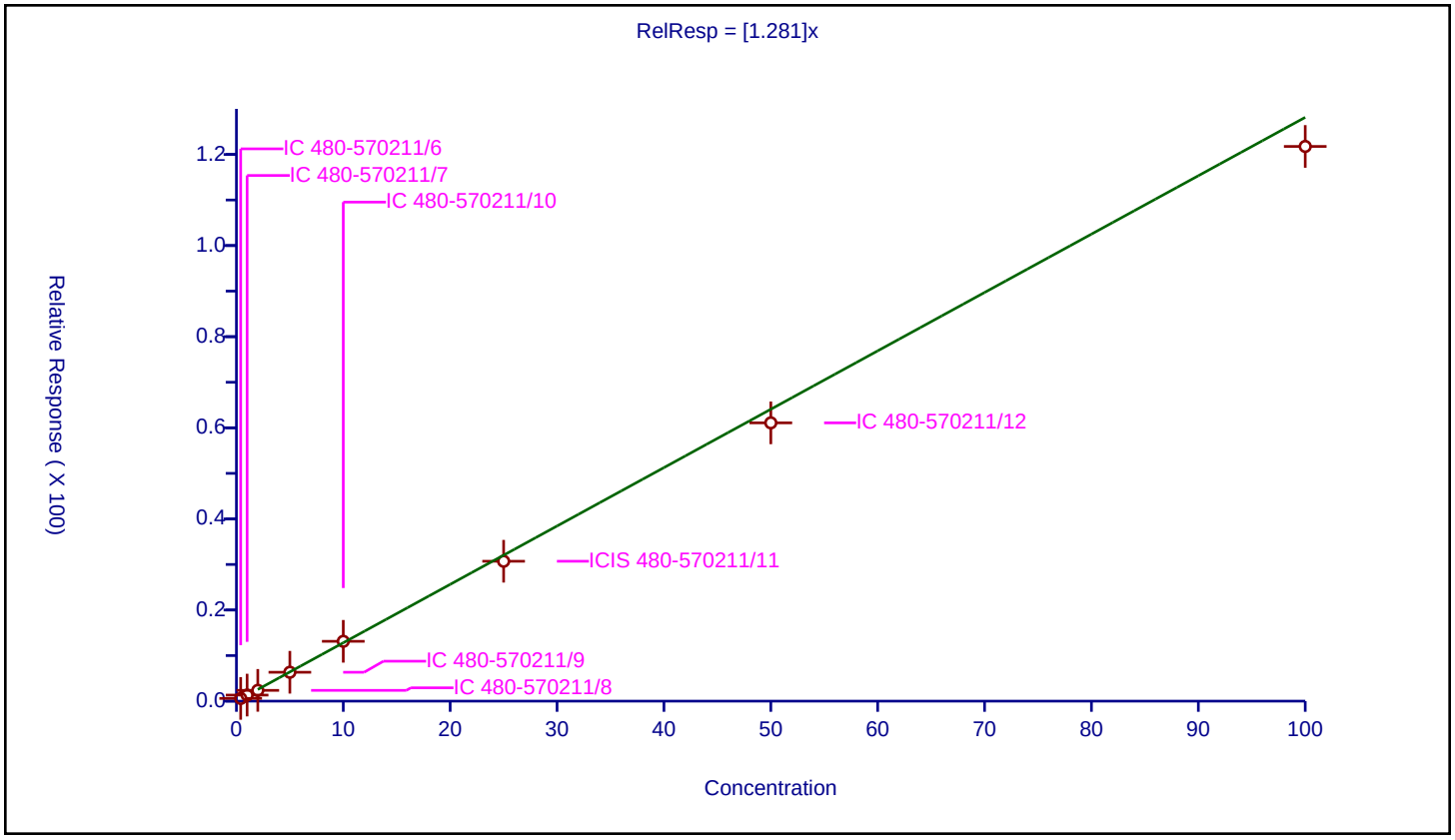
Curve Coefficients

Intercept:	0
Slope:	1.281

Error Coefficients

Standard Error:	343000
Relative Standard Error:	7.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.596416	25.0	152159.0	1.491039	Y
2	IC 480-570211/7	1.0	1.329577	25.0	157945.0	1.329577	Y
3	IC 480-570211/8	2.0	2.363691	25.0	158354.0	1.181846	Y
4	IC 480-570211/9	5.0	6.341233	25.0	154276.0	1.268247	Y
5	IC 480-570211/10	10.0	13.131212	25.0	153019.0	1.313121	Y
6	ICIS 480-570211/11	25.0	30.706017	25.0	151866.0	1.228241	Y
7	IC 480-570211/12	50.0	61.086166	25.0	162802.0	1.221723	Y
8	IC 480-570211/13	100.0	121.754894	25.0	161836.0	1.217549	Y



Calibration / Acetone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

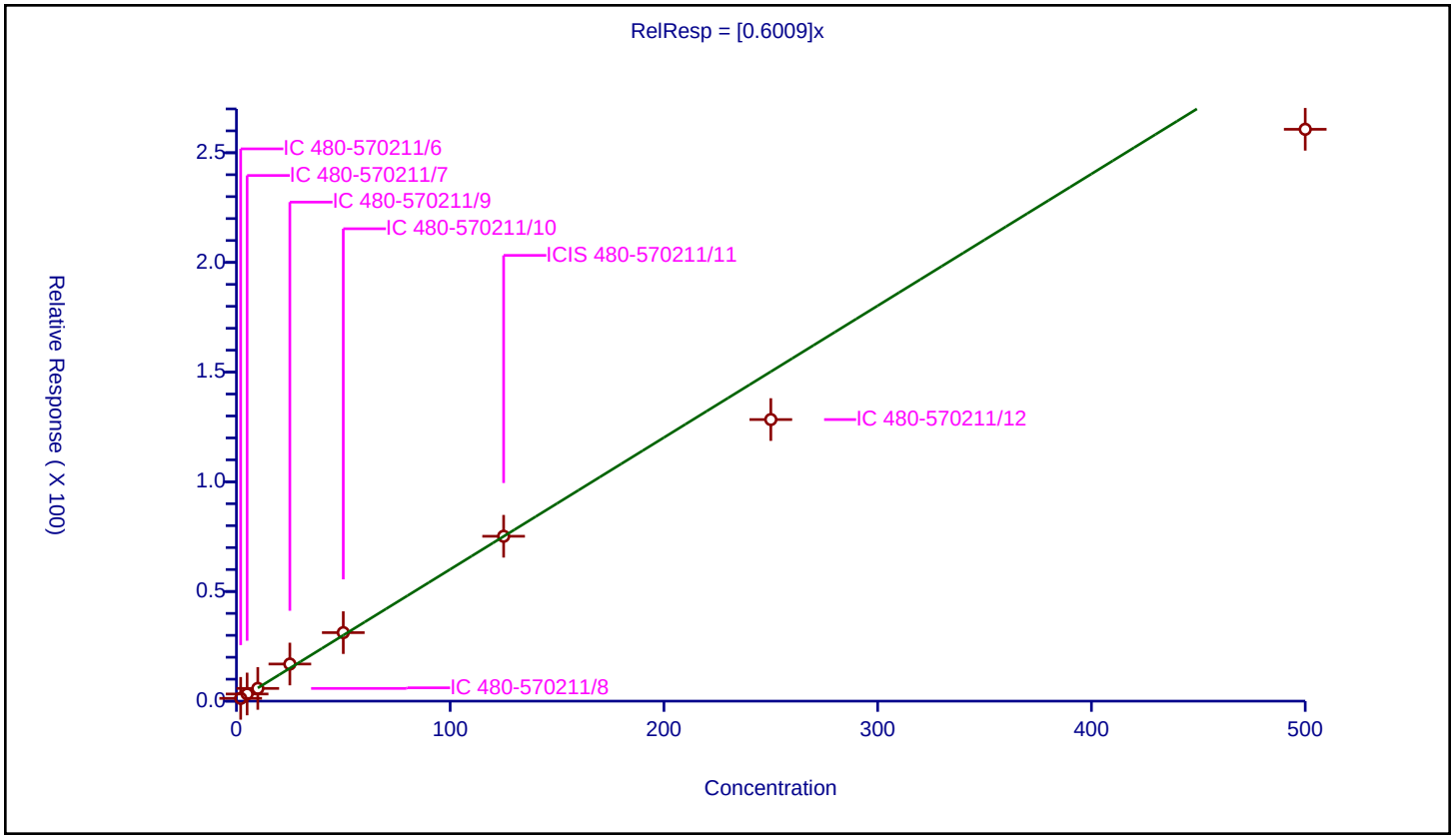
Curve Coefficients

Intercept:	0
Slope:	0.6009

Error Coefficients

Standard Error:	737000
Relative Standard Error:	9.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	2.0	1.274161	25.0	152159.0	0.63708	Y
2	IC 480-570211/7	5.0	3.259837	25.0	157945.0	0.651967	Y
3	IC 480-570211/8	10.0	5.799664	25.0	158354.0	0.579966	Y
4	IC 480-570211/9	25.0	16.925672	25.0	154276.0	0.677027	Y
5	IC 480-570211/10	50.0	31.237951	25.0	153019.0	0.624759	Y
6	ICIS 480-570211/11	125.0	75.162808	25.0	151866.0	0.601302	Y
7	IC 480-570211/12	250.0	128.370812	25.0	162802.0	0.513483	Y
8	IC 480-570211/13	500.0	260.699875	25.0	161836.0	0.5214	Y



Calibration / Iodomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

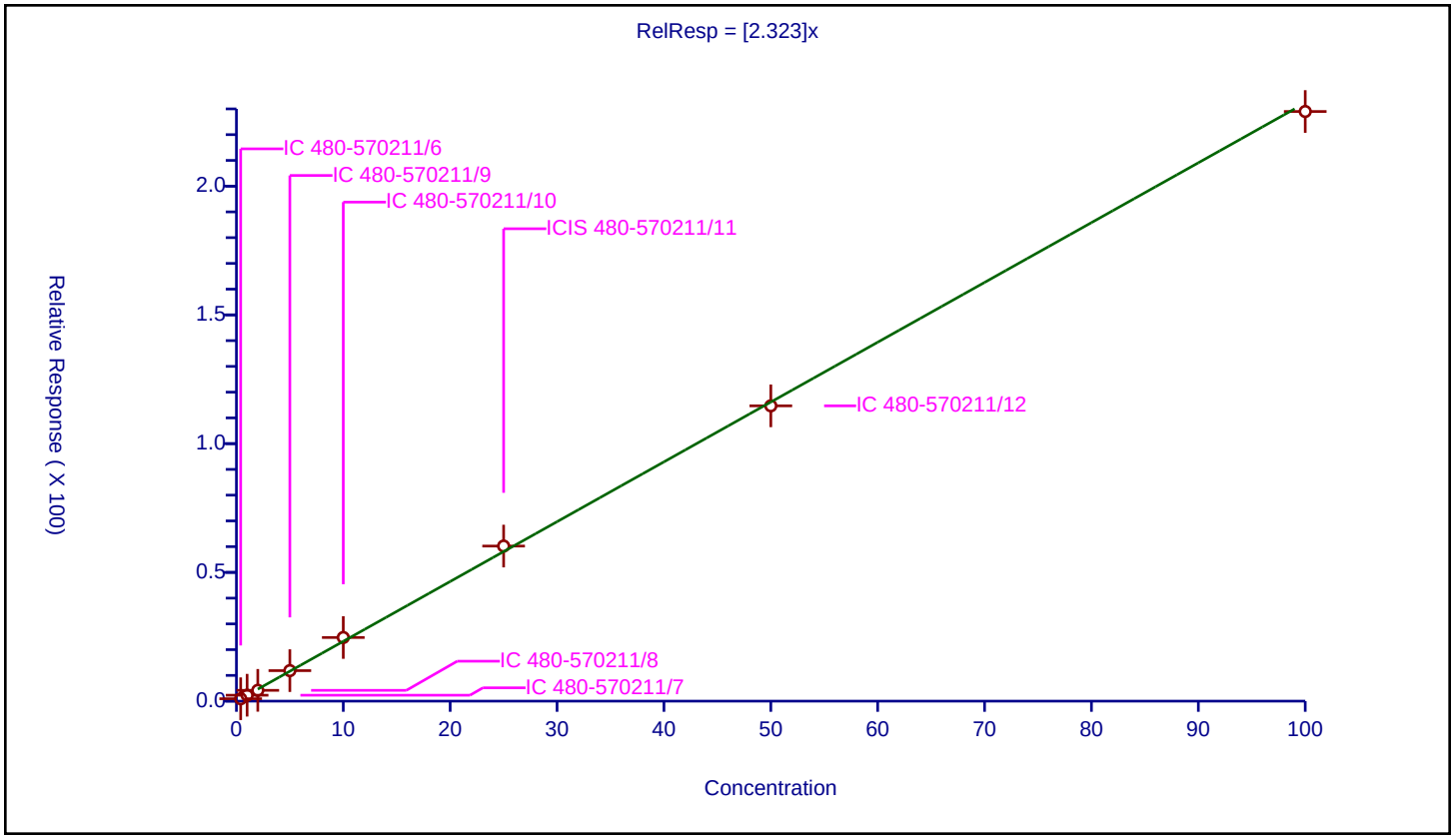
Curve Coefficients

Intercept:	0
Slope:	2.323

Error Coefficients

Standard Error:	646000
Relative Standard Error:	4.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.939478	25.0	152159.0	2.348694	Y
2	IC 480-570211/7	1.0	2.300326	25.0	157945.0	2.300326	Y
3	IC 480-570211/8	2.0	4.199136	25.0	158354.0	2.099568	Y
4	IC 480-570211/9	5.0	11.852945	25.0	154276.0	2.370589	Y
5	IC 480-570211/10	10.0	24.717029	25.0	153019.0	2.471703	Y
6	ICIS 480-570211/11	25.0	60.226779	25.0	151866.0	2.409071	Y
7	IC 480-570211/12	50.0	114.685016	25.0	162802.0	2.2937	Y
8	IC 480-570211/13	100.0	228.991232	25.0	161836.0	2.289912	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

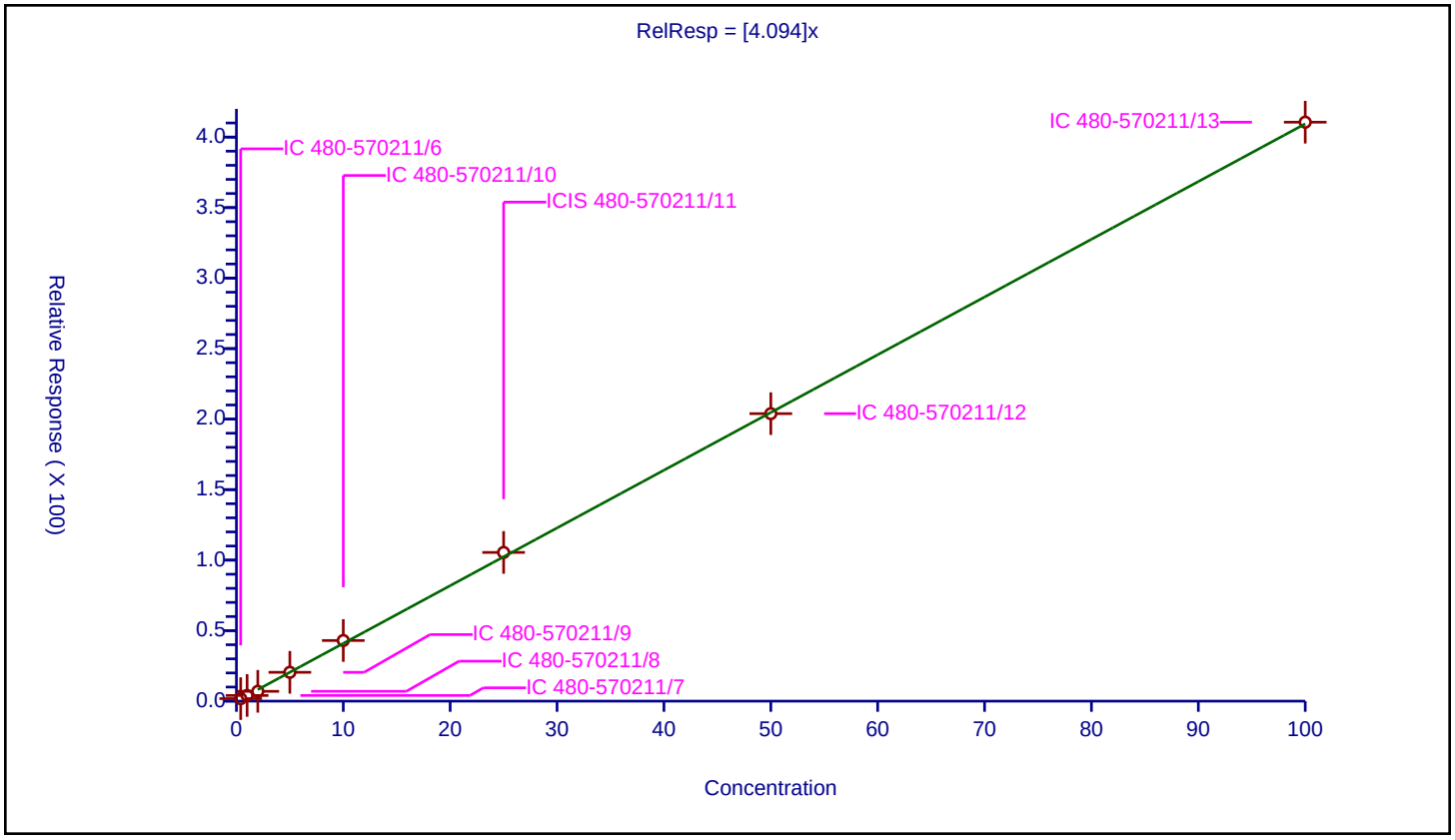
Curve Coefficients

Intercept:	0
Slope:	4.094

Error Coefficients

Standard Error:	1150000
Relative Standard Error:	7.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	1.789411	25.0	152159.0	4.473528	Y
2	IC 480-570211/7	1.0	4.010098	25.0	157945.0	4.010098	Y
3	IC 480-570211/8	2.0	6.956566	25.0	158354.0	3.478283	Y
4	IC 480-570211/9	5.0	20.445986	25.0	154276.0	4.089197	Y
5	IC 480-570211/10	10.0	42.998255	25.0	153019.0	4.299826	Y
6	ICIS 480-570211/11	25.0	105.453657	25.0	151866.0	4.218146	Y
7	IC 480-570211/12	50.0	203.875413	25.0	162802.0	4.077508	Y
8	IC 480-570211/13	100.0	410.570269	25.0	161836.0	4.105703	Y



Calibration / 3-Chloro-1-propene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

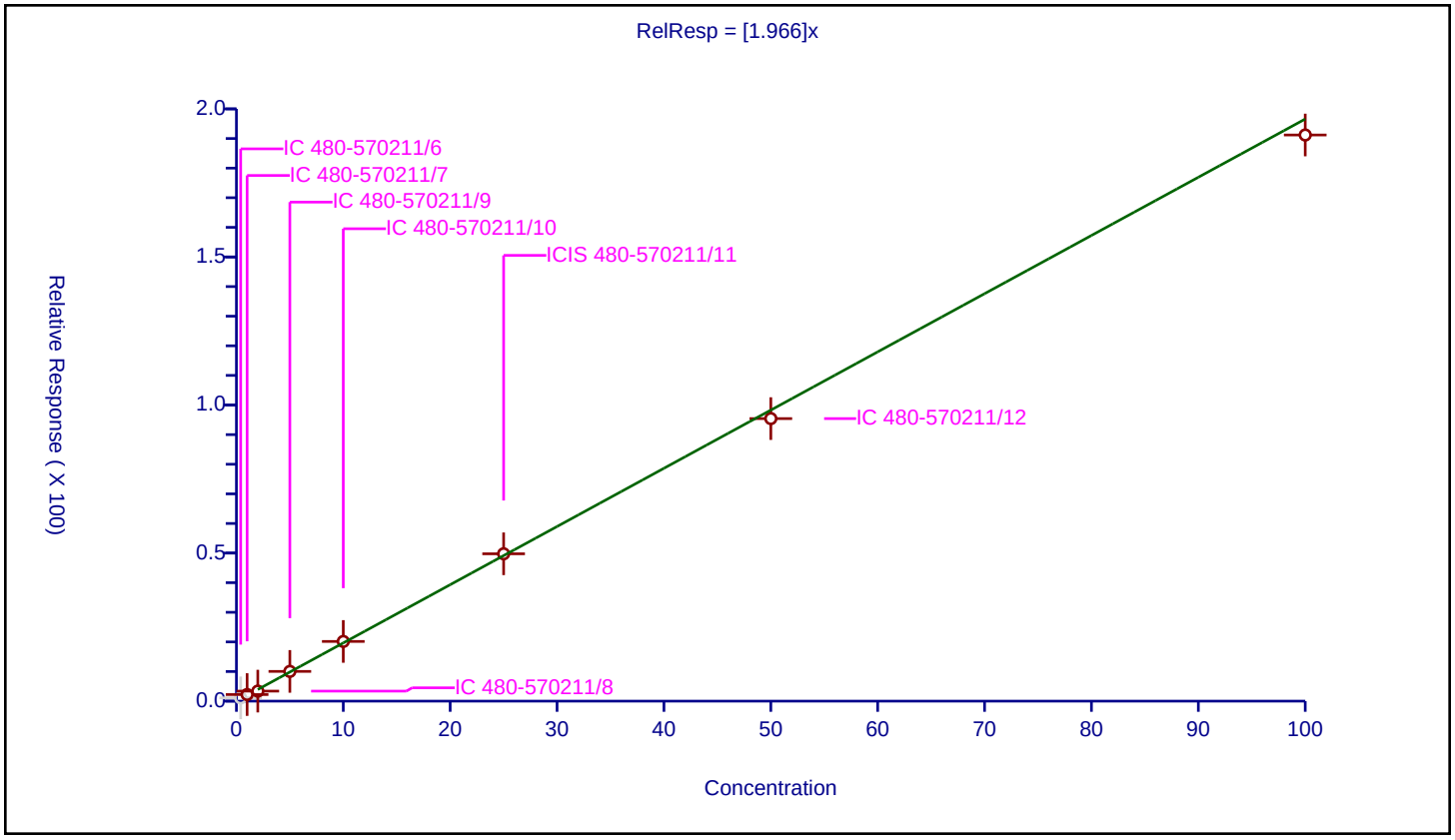
Curve Coefficients

Intercept:	0
Slope:	1.966

Error Coefficients

Standard Error:	581000
Relative Standard Error:	8.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	1.111173	25.0	152159.0	2.777933	N
2	IC 480-570211/7	1.0	2.229574	25.0	157945.0	2.229574	Y
3	IC 480-570211/8	2.0	3.3894	25.0	158354.0	1.6947	Y
4	IC 480-570211/9	5.0	10.043688	25.0	154276.0	2.008738	Y
5	IC 480-570211/10	10.0	20.163672	25.0	153019.0	2.016367	Y
6	ICIS 480-570211/11	25.0	49.757187	25.0	151866.0	1.990287	Y
7	IC 480-570211/12	50.0	95.414215	25.0	162802.0	1.908284	Y
8	IC 480-570211/13	100.0	191.18892	25.0	161836.0	1.911889	Y



Calibration / Methyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

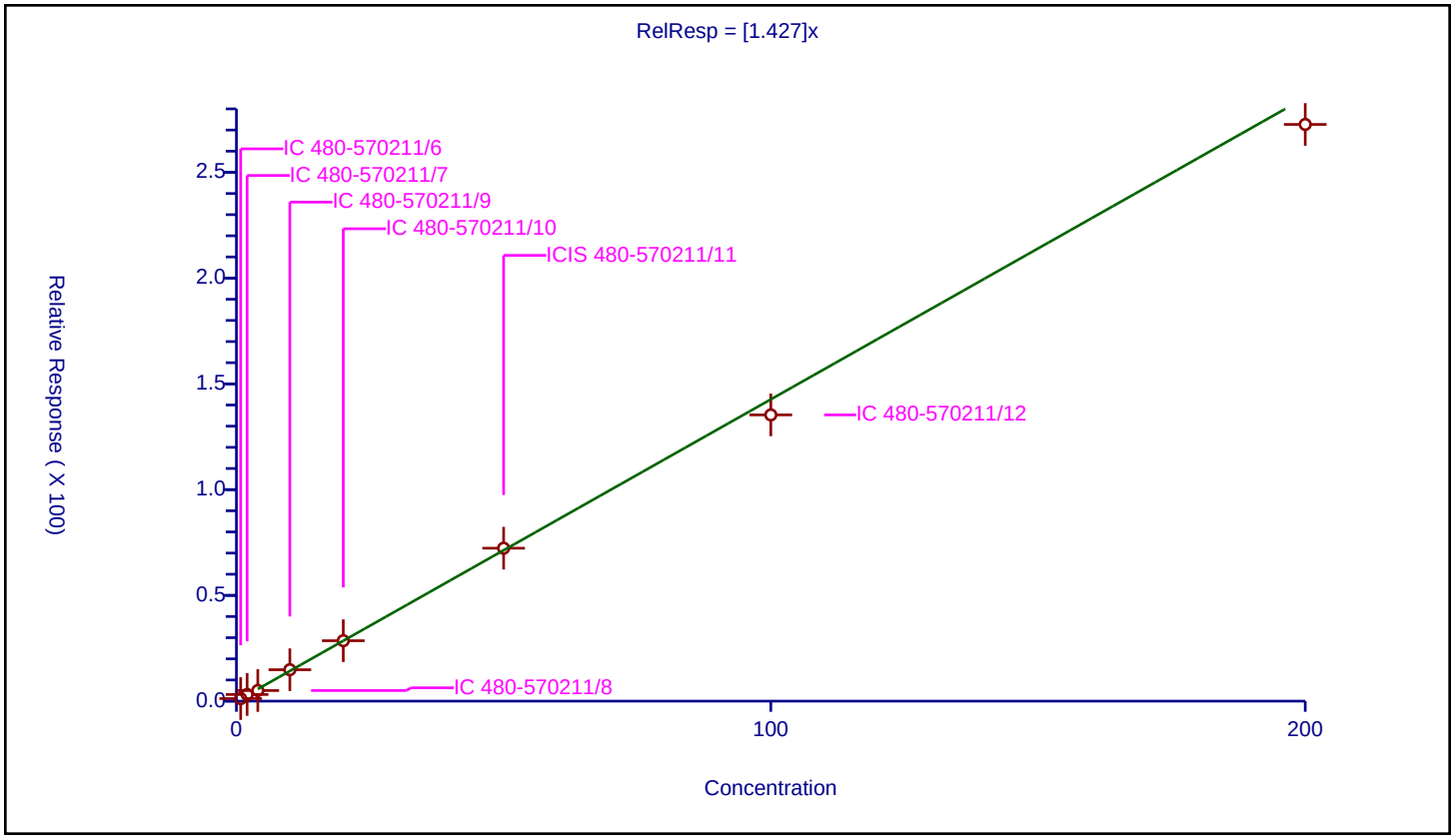
Curve Coefficients

Intercept:	0
Slope:	1.427

Error Coefficients

Standard Error:	768000
Relative Standard Error:	7.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.8	1.209261	25.0	152159.0	1.511577	Y
2	IC 480-570211/7	2.0	3.139542	25.0	157945.0	1.569771	Y
3	IC 480-570211/8	4.0	5.022134	25.0	158354.0	1.255533	Y
4	IC 480-570211/9	10.0	14.855033	25.0	154276.0	1.485503	Y
5	IC 480-570211/10	20.0	28.564753	25.0	153019.0	1.428238	Y
6	ICIS 480-570211/11	50.0	72.308976	25.0	151866.0	1.44618	Y
7	IC 480-570211/12	100.0	135.336636	25.0	162802.0	1.353366	Y
8	IC 480-570211/13	200.0	272.644684	25.0	161836.0	1.363223	Y



Calibration / Methylene Chloride

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

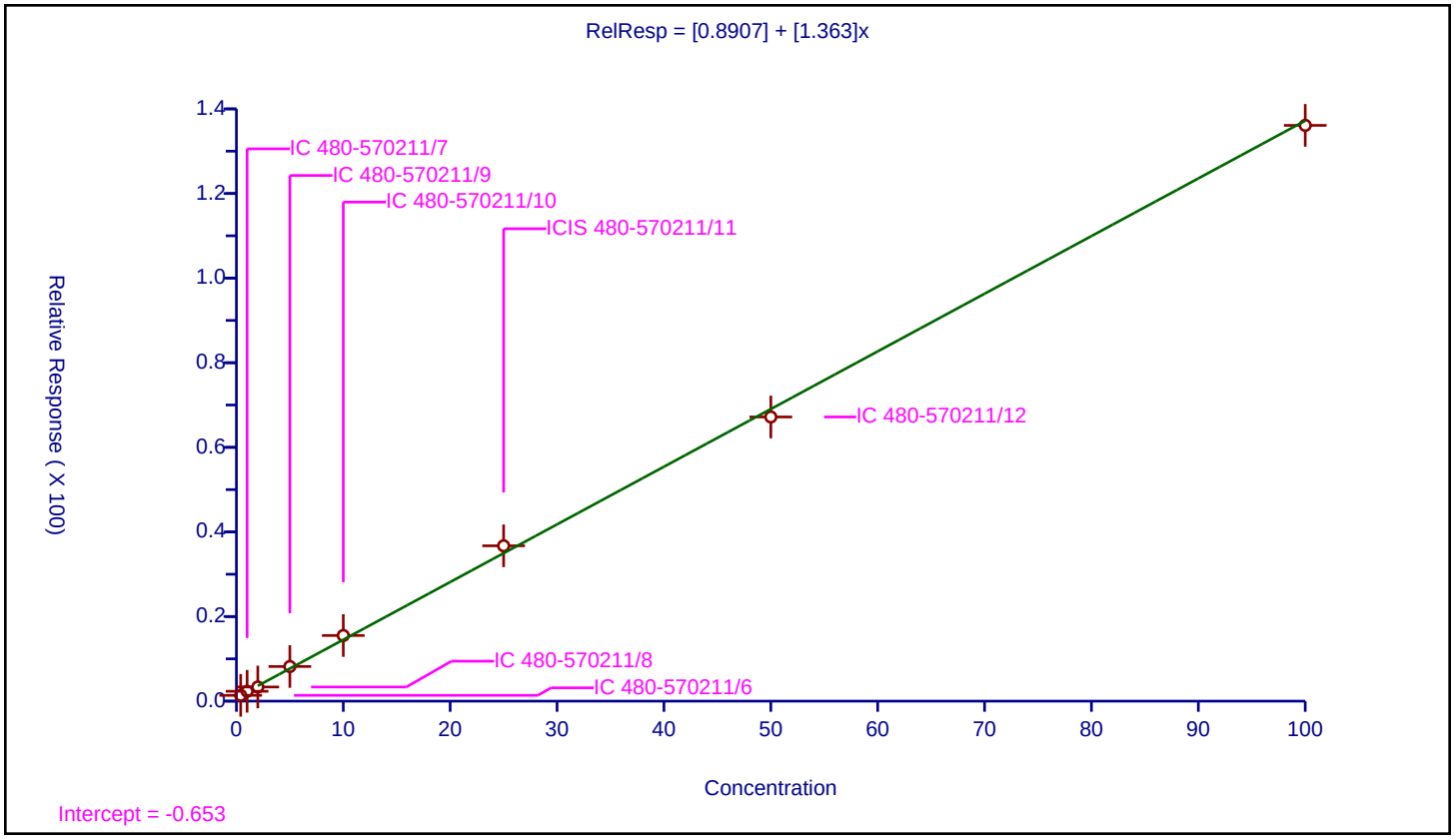
Curve Coefficients

Intercept:	0.8907
Slope:	1.363

Error Coefficients

Standard Error:	414000
Relative Standard Error:	8.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	1.370934	25.0	152159.0	3.427336	Y
2	IC 480-570211/7	1.0	2.335465	25.0	157945.0	2.335465	Y
3	IC 480-570211/8	2.0	3.344563	25.0	158354.0	1.672282	Y
4	IC 480-570211/9	5.0	8.187113	25.0	154276.0	1.637423	Y
5	IC 480-570211/10	10.0	15.513923	25.0	153019.0	1.551392	Y
6	ICIS 480-570211/11	25.0	36.722505	25.0	151866.0	1.4689	Y
7	IC 480-570211/12	50.0	67.173776	25.0	162802.0	1.343476	Y
8	IC 480-570211/13	100.0	136.101516	25.0	161836.0	1.361015	Y



Calibration / 2-Methyl-2-propanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

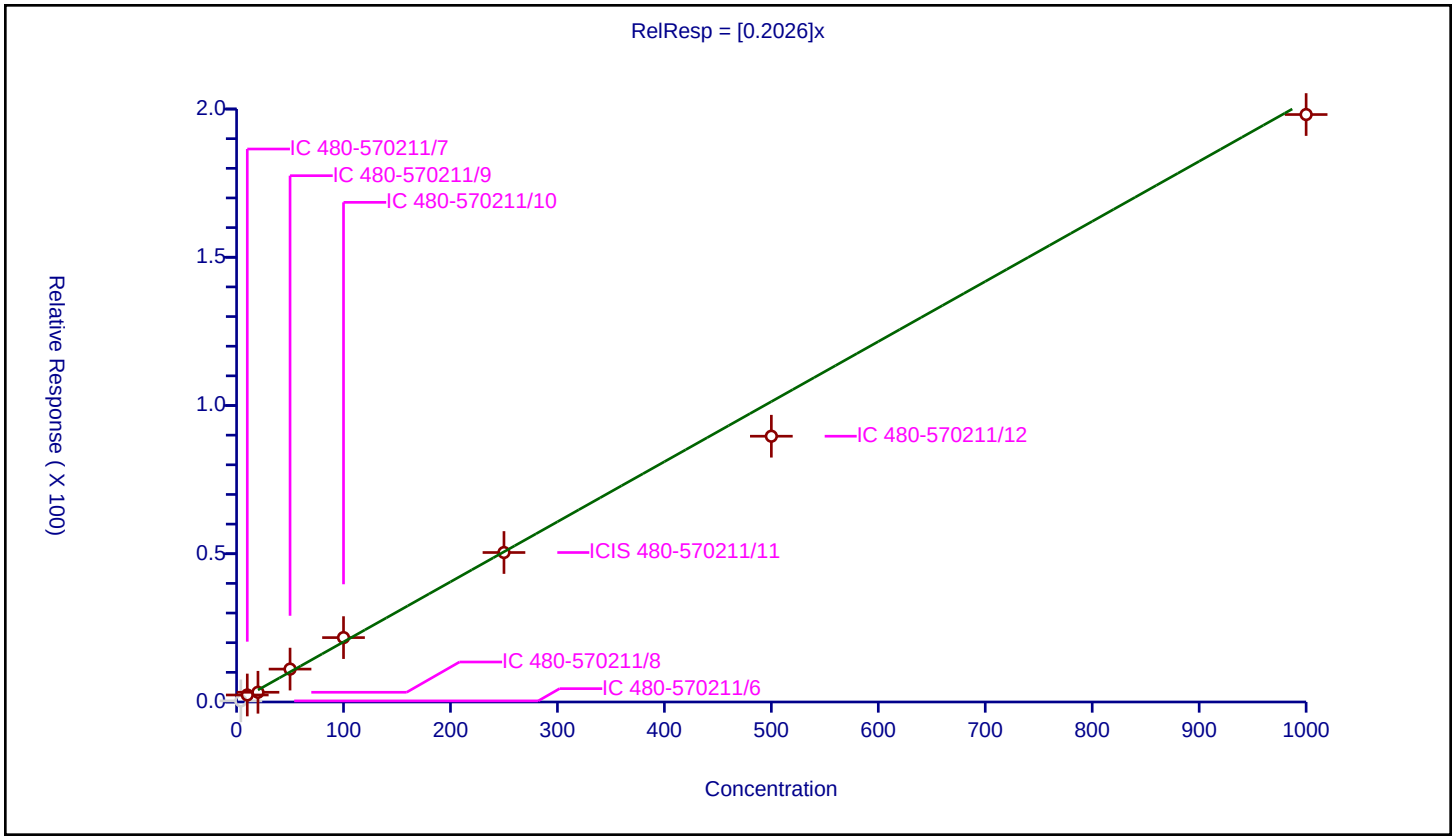
Curve Coefficients

Intercept:	0
Slope:	0.2026

Error Coefficients

Standard Error:	592000
Relative Standard Error:	12.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	4.0	0.375265	25.0	152159.0	0.093816	N
2	IC 480-570211/7	10.0	2.364589	25.0	157945.0	0.236459	Y
3	IC 480-570211/8	20.0	3.274941	25.0	158354.0	0.163747	Y
4	IC 480-570211/9	50.0	11.095699	25.0	154276.0	0.221914	Y
5	IC 480-570211/10	100.0	21.71299	25.0	153019.0	0.21713	Y
6	ICIS 480-570211/11	250.0	50.421095	25.0	151866.0	0.201684	Y
7	IC 480-570211/12	500.0	89.64463	25.0	162802.0	0.179289	Y
8	IC 480-570211/13	1000.0	198.141946	25.0	161836.0	0.198142	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

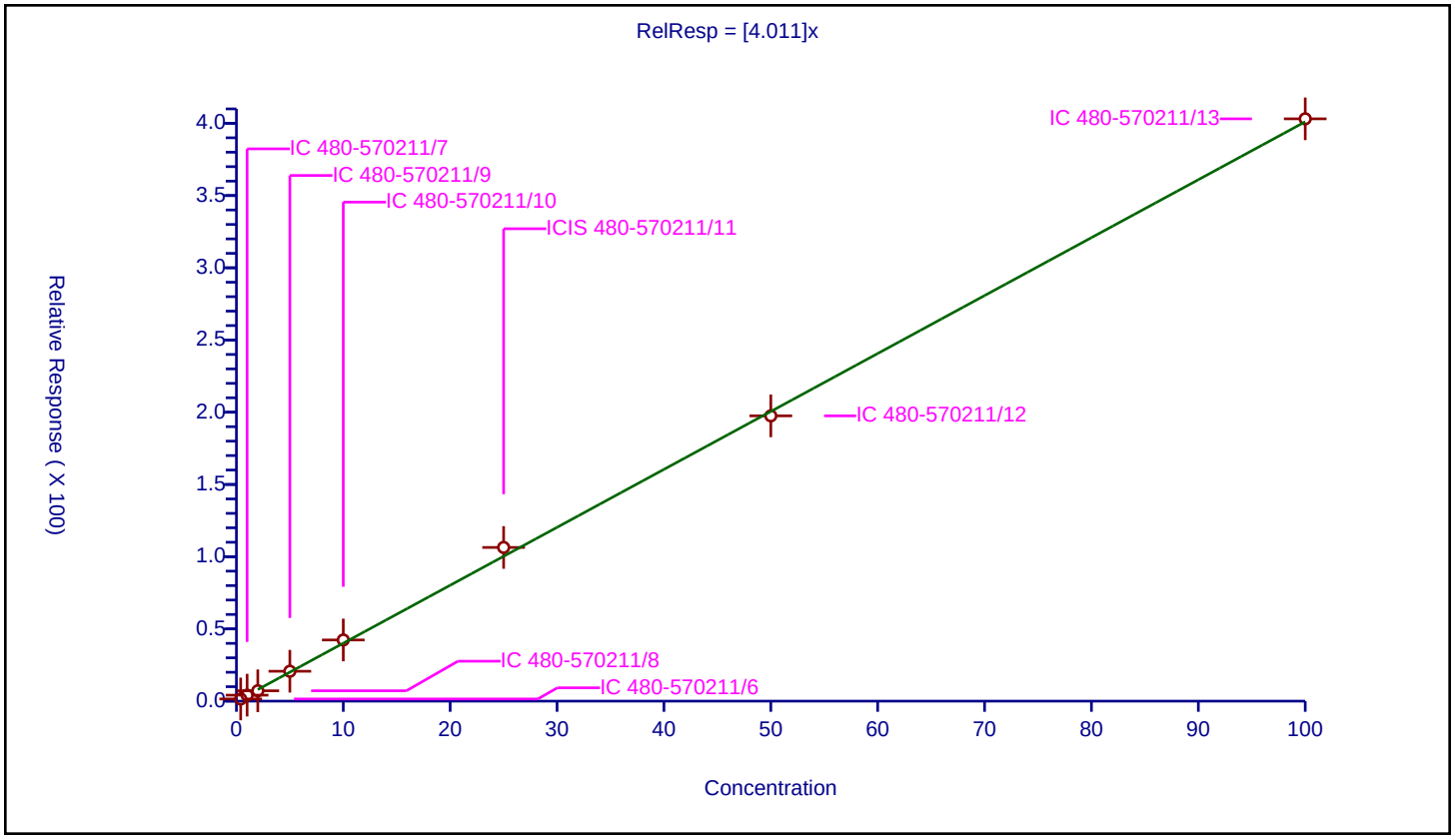
Curve Coefficients

Intercept:	0
Slope:	4.011

Error Coefficients

Standard Error:	1130000
Relative Standard Error:	5.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	1.497611	25.0	152159.0	3.744028	Y
2	IC 480-570211/7	1.0	4.142581	25.0	157945.0	4.142581	Y
3	IC 480-570211/8	2.0	7.181378	25.0	158354.0	3.590689	Y
4	IC 480-570211/9	5.0	20.692784	25.0	154276.0	4.138557	Y
5	IC 480-570211/10	10.0	42.337389	25.0	153019.0	4.233739	Y
6	ICIS 480-570211/11	25.0	106.399721	25.0	151866.0	4.255989	Y
7	IC 480-570211/12	50.0	197.503102	25.0	162802.0	3.950062	Y
8	IC 480-570211/13	100.0	403.123069	25.0	161836.0	4.031231	Y



Calibration / trans-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

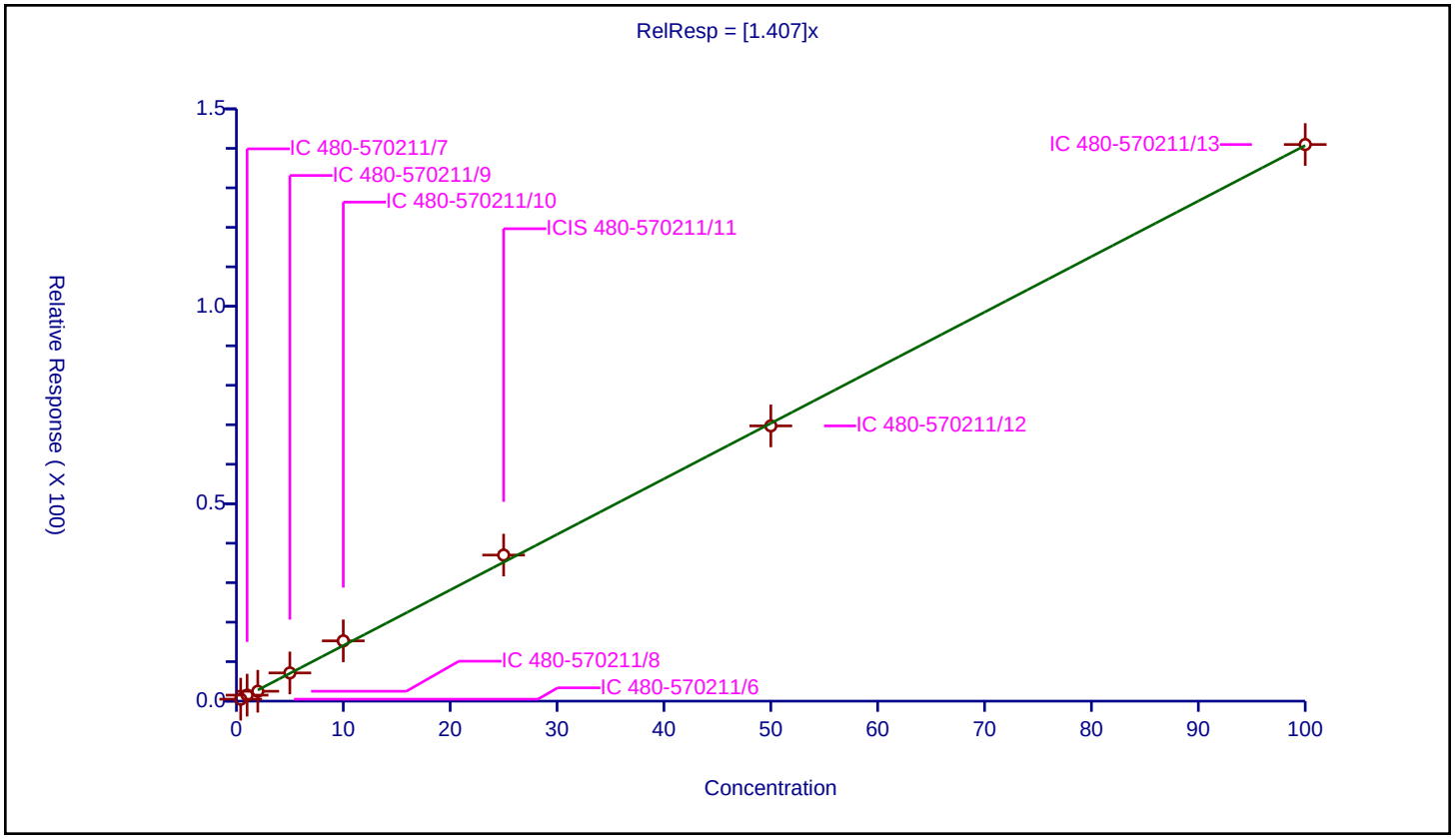
Curve Coefficients

Intercept:	0
Slope:	1.407

Error Coefficients

Standard Error:	396000
Relative Standard Error:	7.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.498163	25.0	152159.0	1.245408	Y
2	IC 480-570211/7	1.0	1.523315	25.0	157945.0	1.523315	Y
3	IC 480-570211/8	2.0	2.502621	25.0	158354.0	1.25131	Y
4	IC 480-570211/9	5.0	7.144825	25.0	154276.0	1.428965	Y
5	IC 480-570211/10	10.0	15.266078	25.0	153019.0	1.526608	Y
6	ICIS 480-570211/11	25.0	36.993962	25.0	151866.0	1.479758	Y
7	IC 480-570211/12	50.0	69.709832	25.0	162802.0	1.394197	Y
8	IC 480-570211/13	100.0	140.973269	25.0	161836.0	1.409733	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

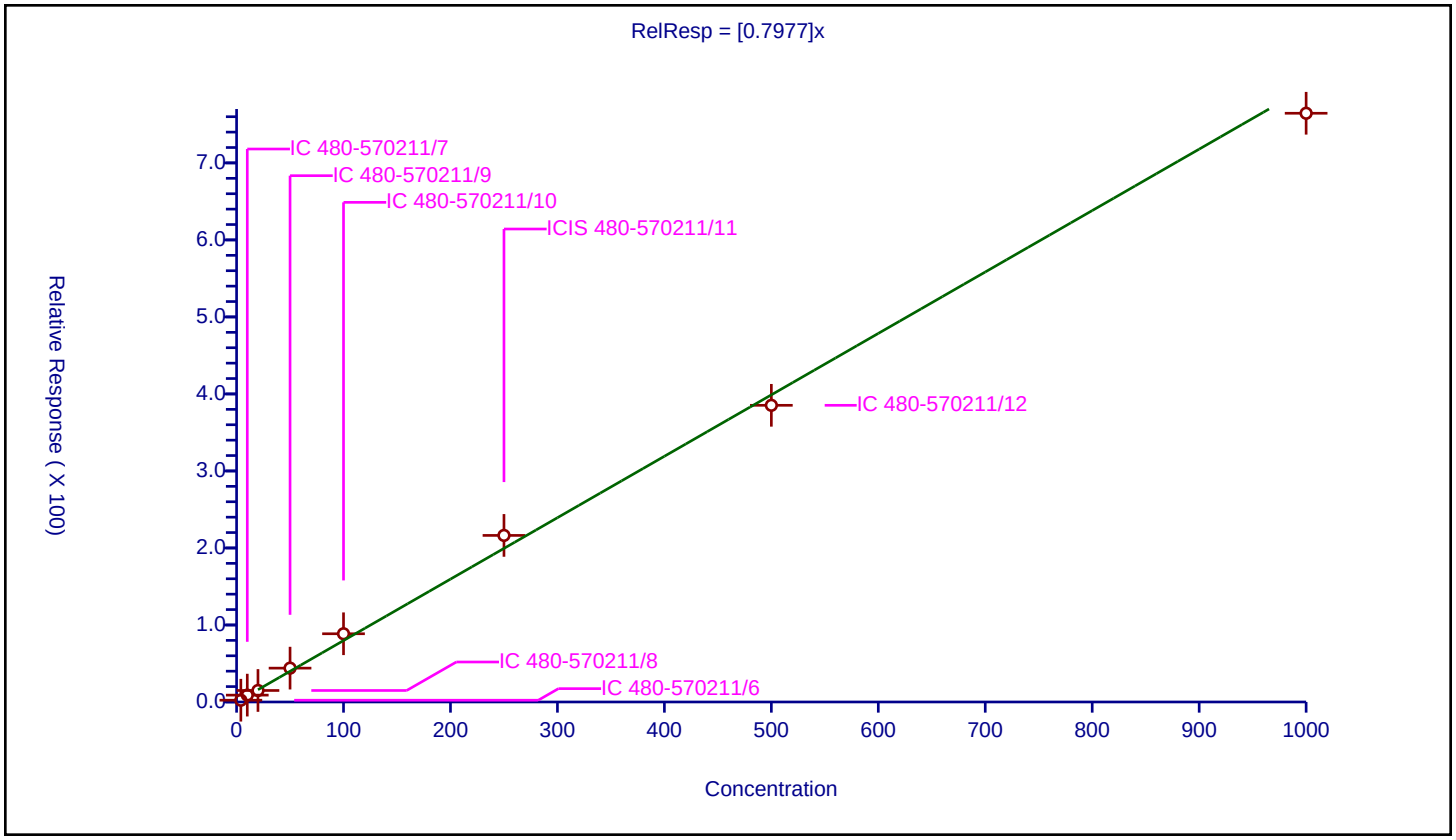
Curve Coefficients

Intercept:	0
Slope:	0.7977

Error Coefficients

Standard Error:	2170000
Relative Standard Error:	13.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	4.0	2.307126	25.0	152159.0	0.576782	Y
2	IC 480-570211/7	10.0	8.925575	25.0	157945.0	0.892558	Y
3	IC 480-570211/8	20.0	14.926999	25.0	158354.0	0.74635	Y
4	IC 480-570211/9	50.0	43.971843	25.0	154276.0	0.879437	Y
5	IC 480-570211/10	100.0	88.603703	25.0	153019.0	0.886037	Y
6	ICIS 480-570211/11	250.0	216.286397	25.0	151866.0	0.865146	Y
7	IC 480-570211/12	500.0	385.247571	25.0	162802.0	0.770495	Y
8	IC 480-570211/13	1000.0	764.483489	25.0	161836.0	0.764483	Y



Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

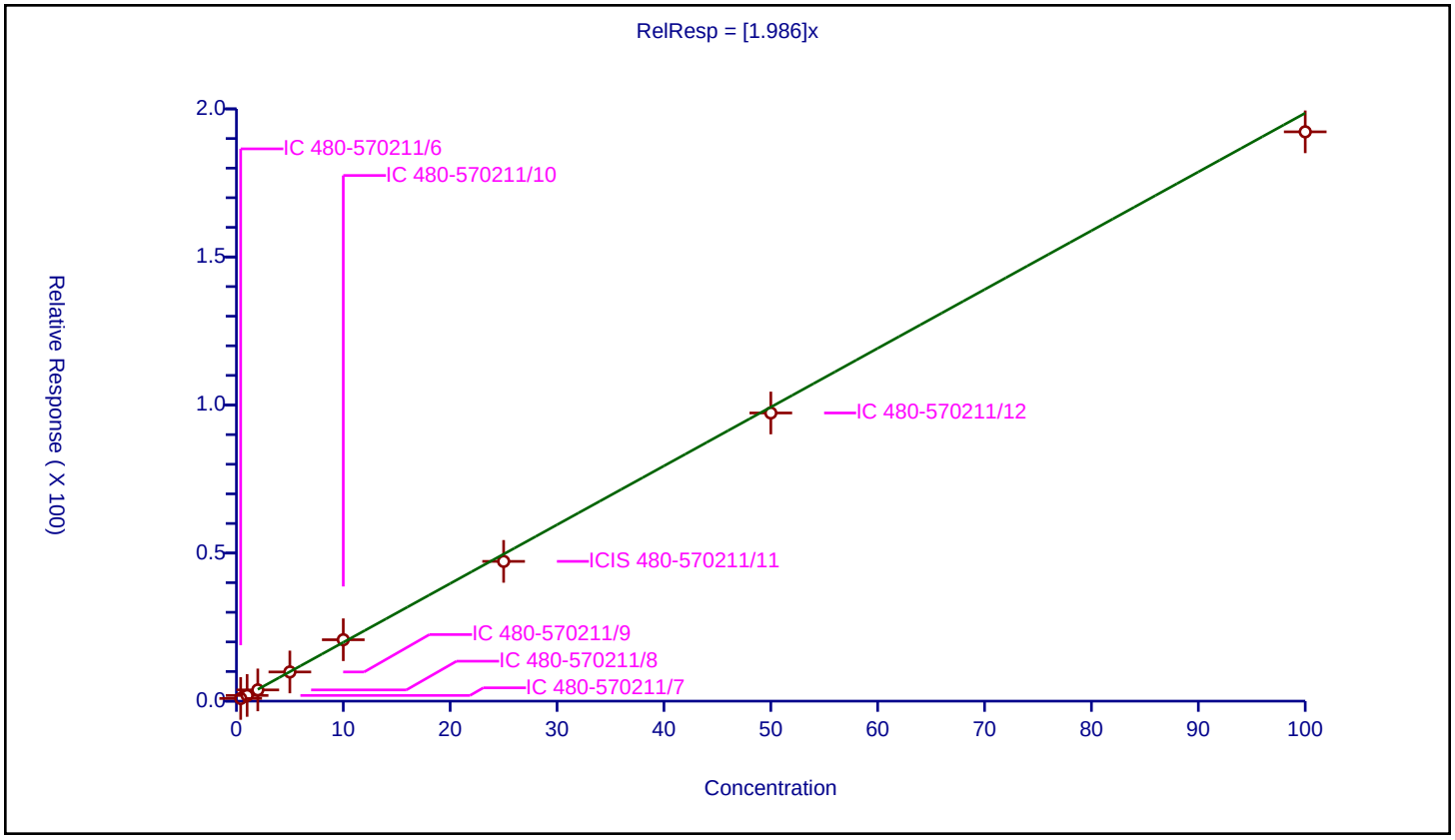
Curve Coefficients

Intercept:	0
Slope:	1.986

Error Coefficients

Standard Error:	542000
Relative Standard Error:	6.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.906125	25.0	152159.0	2.265311	Y
2	IC 480-570211/7	1.0	1.923138	25.0	157945.0	1.923138	Y
3	IC 480-570211/8	2.0	3.792768	25.0	158354.0	1.896384	Y
4	IC 480-570211/9	5.0	9.854417	25.0	154276.0	1.970883	Y
5	IC 480-570211/10	10.0	20.738111	25.0	153019.0	2.073811	Y
6	ICIS 480-570211/11	25.0	47.199505	25.0	151866.0	1.88798	Y
7	IC 480-570211/12	50.0	97.312533	25.0	162802.0	1.946251	Y
8	IC 480-570211/13	100.0	192.255277	25.0	161836.0	1.922553	Y



Calibration / 1,1-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

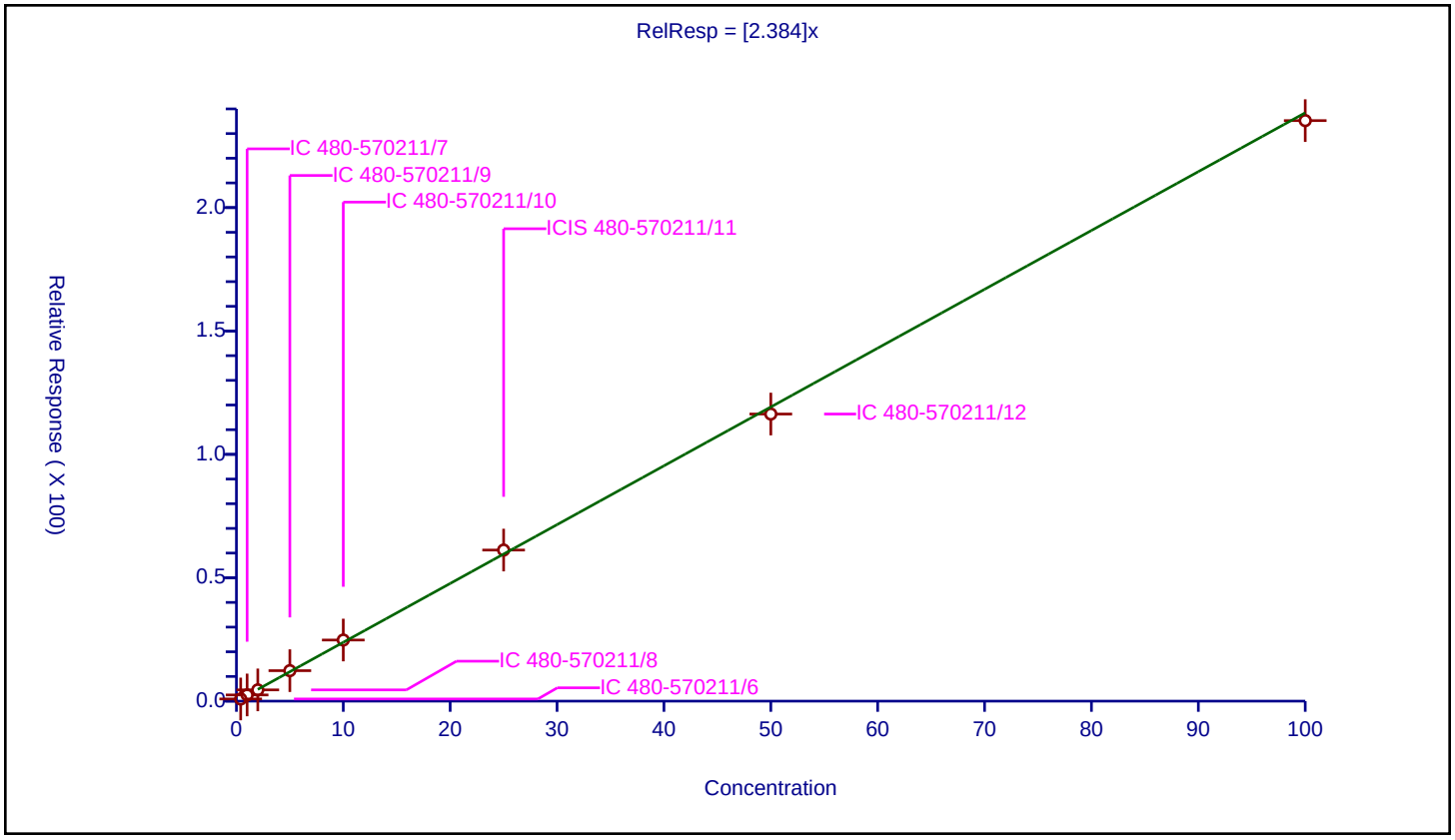
Curve Coefficients

Intercept:	0
Slope:	2.384

Error Coefficients

Standard Error:	661000
Relative Standard Error:	4.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.883615	25.0	152159.0	2.209038	Y
2	IC 480-570211/7	1.0	2.50641	25.0	157945.0	2.50641	Y
3	IC 480-570211/8	2.0	4.564141	25.0	158354.0	2.282071	Y
4	IC 480-570211/9	5.0	12.351565	25.0	154276.0	2.470313	Y
5	IC 480-570211/10	10.0	24.764735	25.0	153019.0	2.476474	Y
6	ICIS 480-570211/11	25.0	61.222723	25.0	151866.0	2.448909	Y
7	IC 480-570211/12	50.0	116.348847	25.0	162802.0	2.326977	Y
8	IC 480-570211/13	100.0	235.247874	25.0	161836.0	2.352479	Y



Calibration / Vinyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

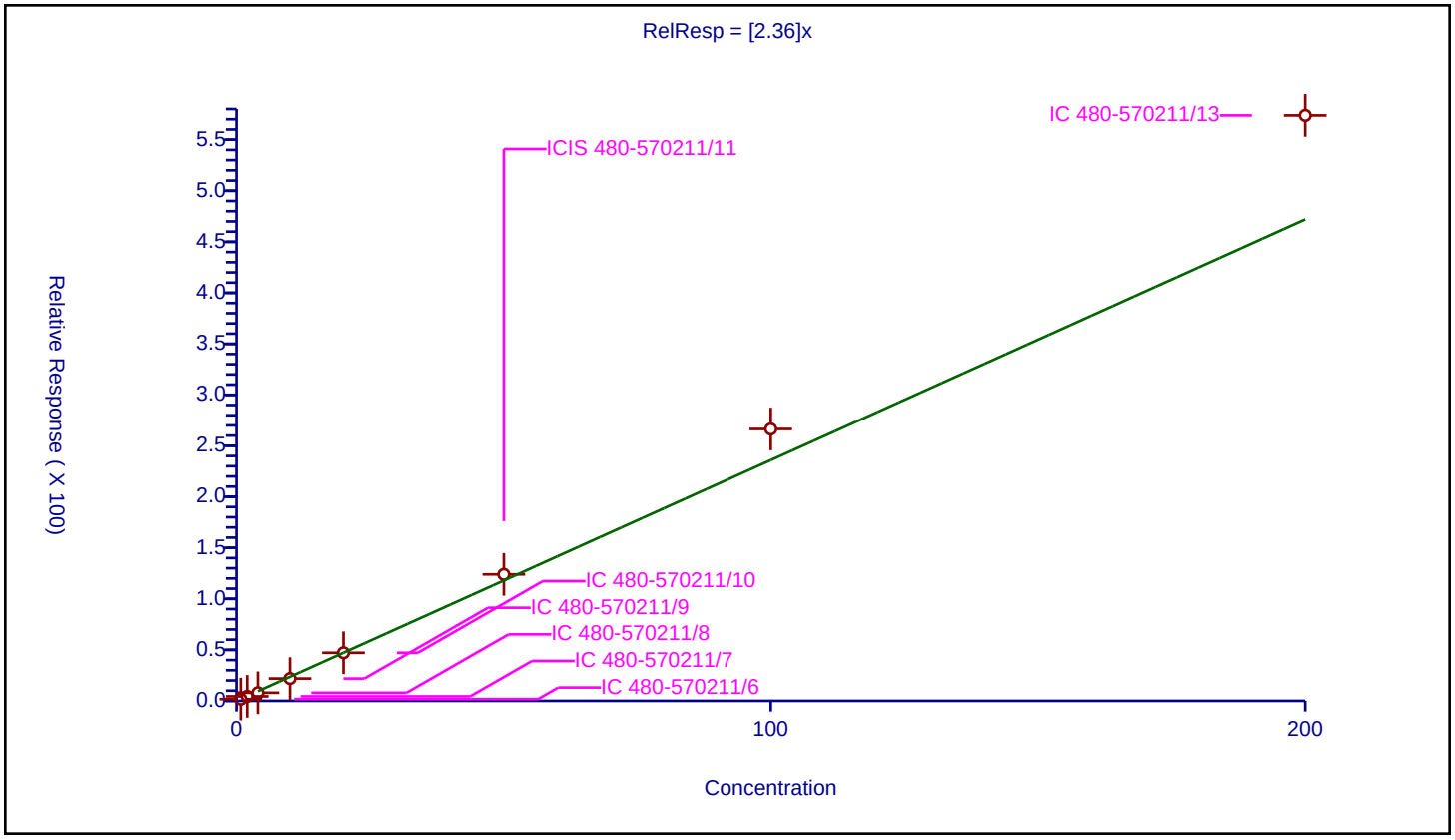
Curve Coefficients

Intercept:	0
Slope:	2.36

Error Coefficients

Standard Error:	1580000
Relative Standard Error:	12.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.8	1.698224	25.0	152159.0	2.122779	Y
2	IC 480-570211/7	2.0	4.422426	25.0	157945.0	2.211213	Y
3	IC 480-570211/8	4.0	7.944226	25.0	158354.0	1.986057	Y
4	IC 480-570211/9	10.0	21.877674	25.0	154276.0	2.187767	Y
5	IC 480-570211/10	20.0	47.143329	25.0	153019.0	2.357166	Y
6	ICIS 480-570211/11	50.0	123.978376	25.0	151866.0	2.479568	Y
7	IC 480-570211/12	100.0	266.495498	25.0	162802.0	2.664955	Y
8	IC 480-570211/13	200.0	573.747652	25.0	161836.0	2.868738	Y



Calibration / 2,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

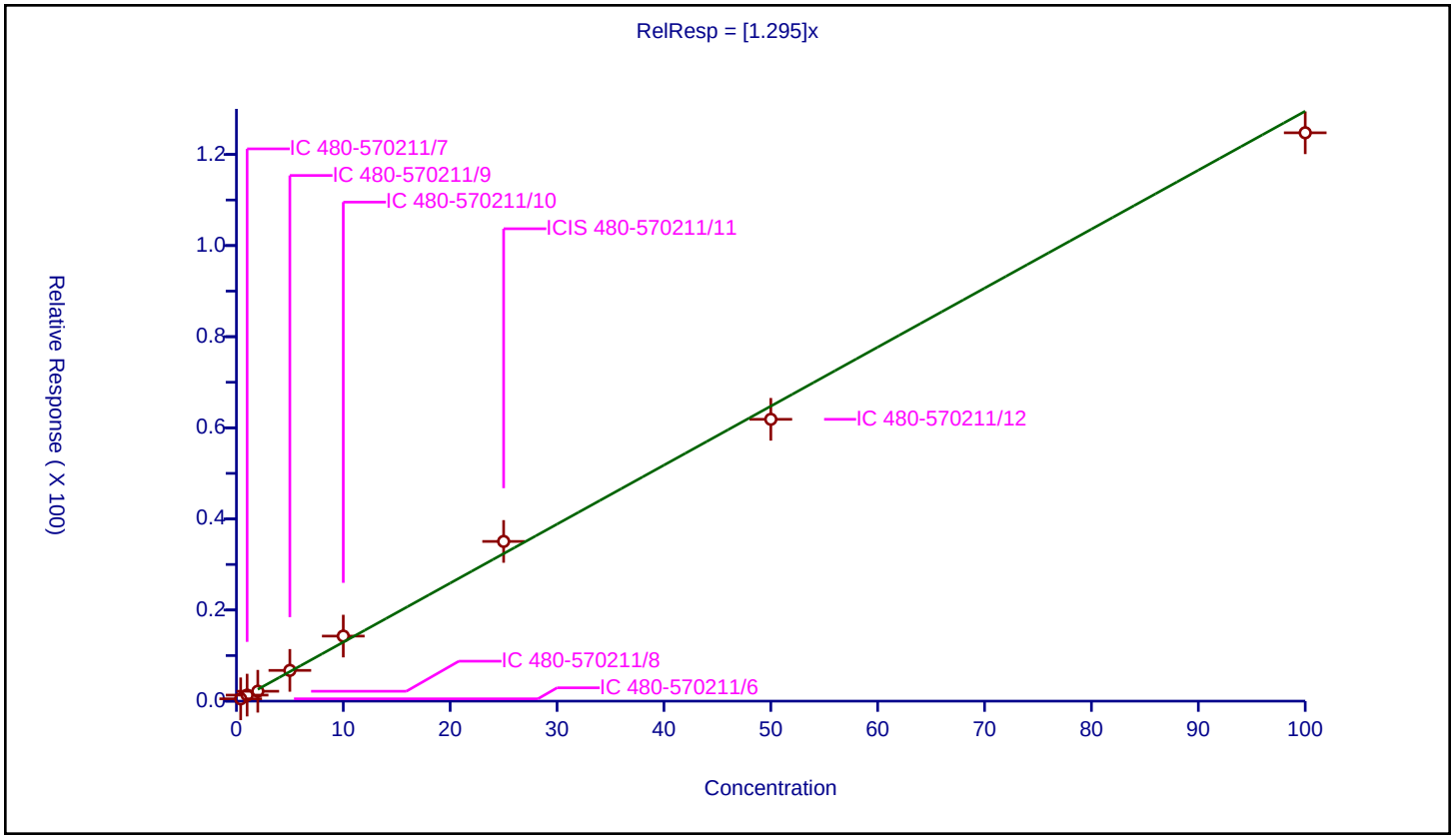
Curve Coefficients

Intercept:	0
Slope:	1.295

Error Coefficients

Standard Error:	352000
Relative Standard Error:	8.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.513772	25.0	152159.0	1.284429	Y
2	IC 480-570211/7	1.0	1.324037	25.0	157945.0	1.324037	Y
3	IC 480-570211/8	2.0	2.172664	25.0	158354.0	1.086332	Y
4	IC 480-570211/9	5.0	6.749592	25.0	154276.0	1.349918	Y
5	IC 480-570211/10	10.0	14.279763	25.0	153019.0	1.427976	Y
6	ICIS 480-570211/11	25.0	35.057715	25.0	151866.0	1.402309	Y
7	IC 480-570211/12	50.0	61.861494	25.0	162802.0	1.23723	Y
8	IC 480-570211/13	100.0	124.754844	25.0	161836.0	1.247548	Y



Calibration / cis-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

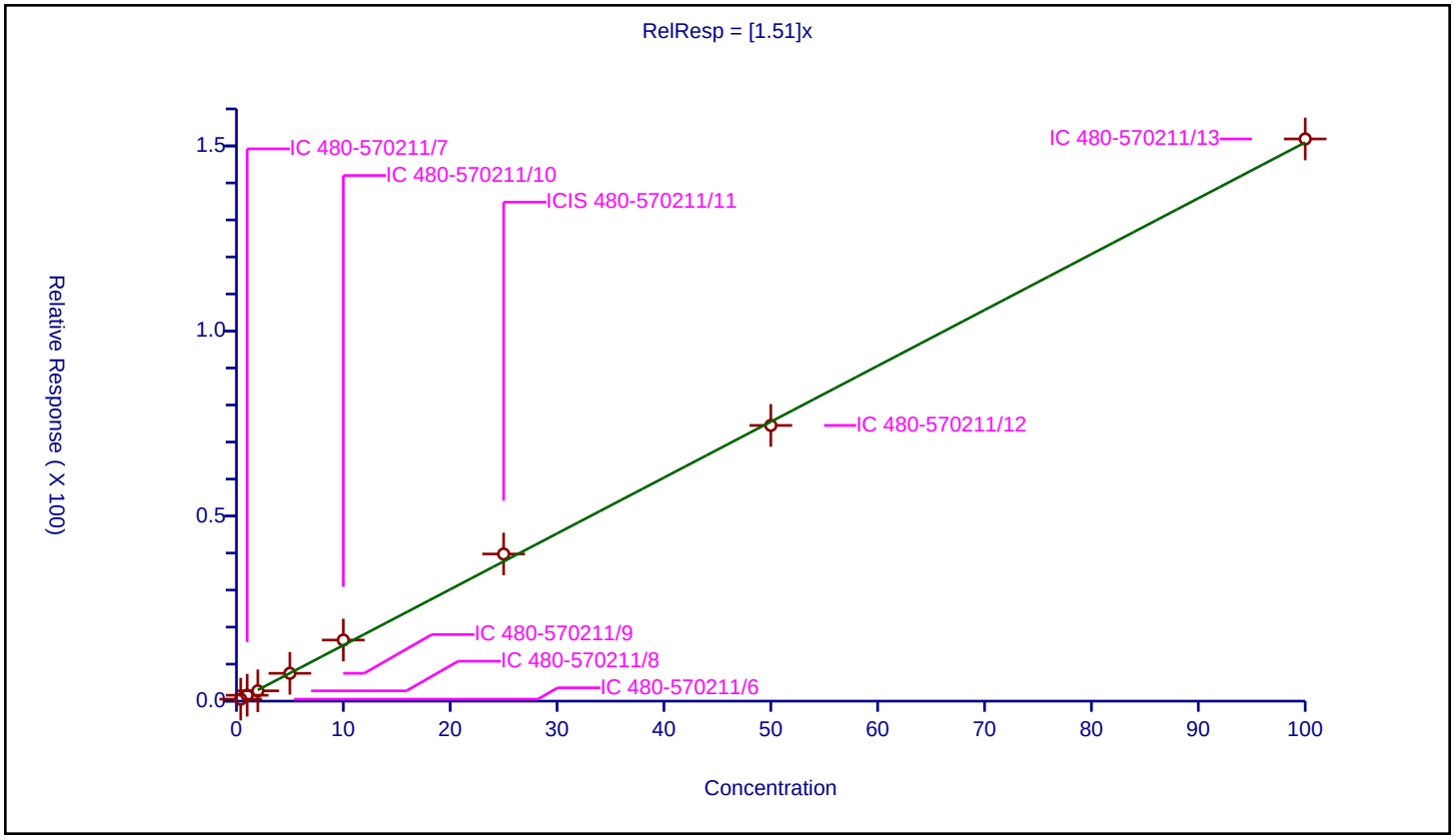
Curve Coefficients

Intercept:	0
Slope:	1.51

Error Coefficients

Standard Error:	426000
Relative Standard Error:	7.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.53546	25.0	152159.0	1.338649	Y
2	IC 480-570211/7	1.0	1.593751	25.0	157945.0	1.593751	Y
3	IC 480-570211/8	2.0	2.781742	25.0	158354.0	1.390871	Y
4	IC 480-570211/9	5.0	7.518506	25.0	154276.0	1.503701	Y
5	IC 480-570211/10	10.0	16.505467	25.0	153019.0	1.650547	Y
6	ICIS 480-570211/11	25.0	39.749516	25.0	151866.0	1.589981	Y
7	IC 480-570211/12	50.0	74.489103	25.0	162802.0	1.489782	Y
8	IC 480-570211/13	100.0	151.881071	25.0	161836.0	1.518811	Y



Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

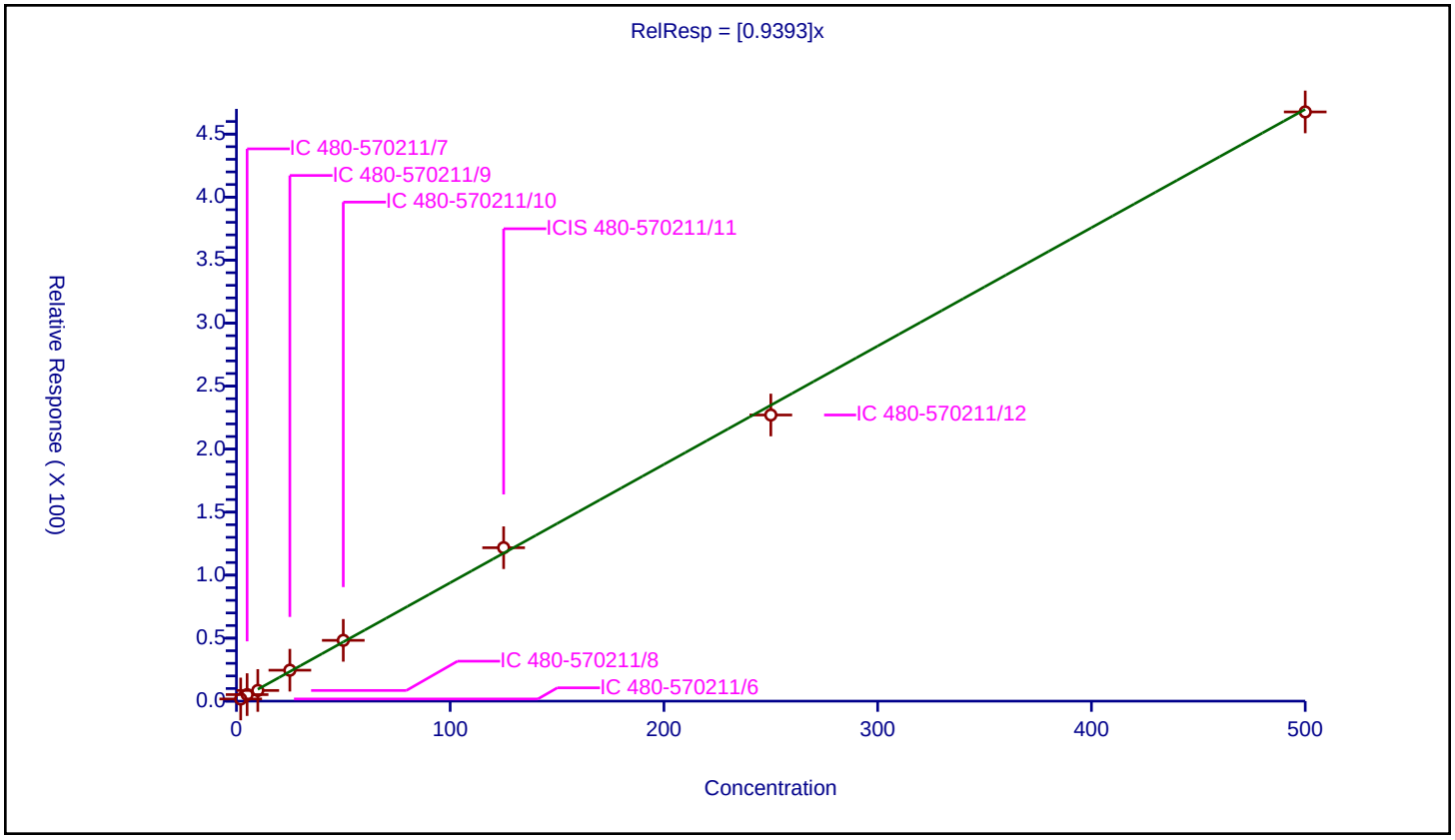
Curve Coefficients

Intercept:	0
Slope:	0.9393

Error Coefficients

Standard Error:	1310000
Relative Standard Error:	6.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	2.0	1.729934	25.0	152159.0	0.864967	Y
2	IC 480-570211/7	5.0	5.197695	25.0	157945.0	1.039539	Y
3	IC 480-570211/8	10.0	8.462843	25.0	158354.0	0.846284	Y
4	IC 480-570211/9	25.0	24.542054	25.0	154276.0	0.981682	Y
5	IC 480-570211/10	50.0	48.236494	25.0	153019.0	0.96473	Y
6	ICIS 480-570211/11	125.0	121.760796	25.0	151866.0	0.974086	Y
7	IC 480-570211/12	250.0	227.084741	25.0	162802.0	0.908339	Y
8	IC 480-570211/13	500.0	467.584932	25.0	161836.0	0.93517	Y



Calibration / Chlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

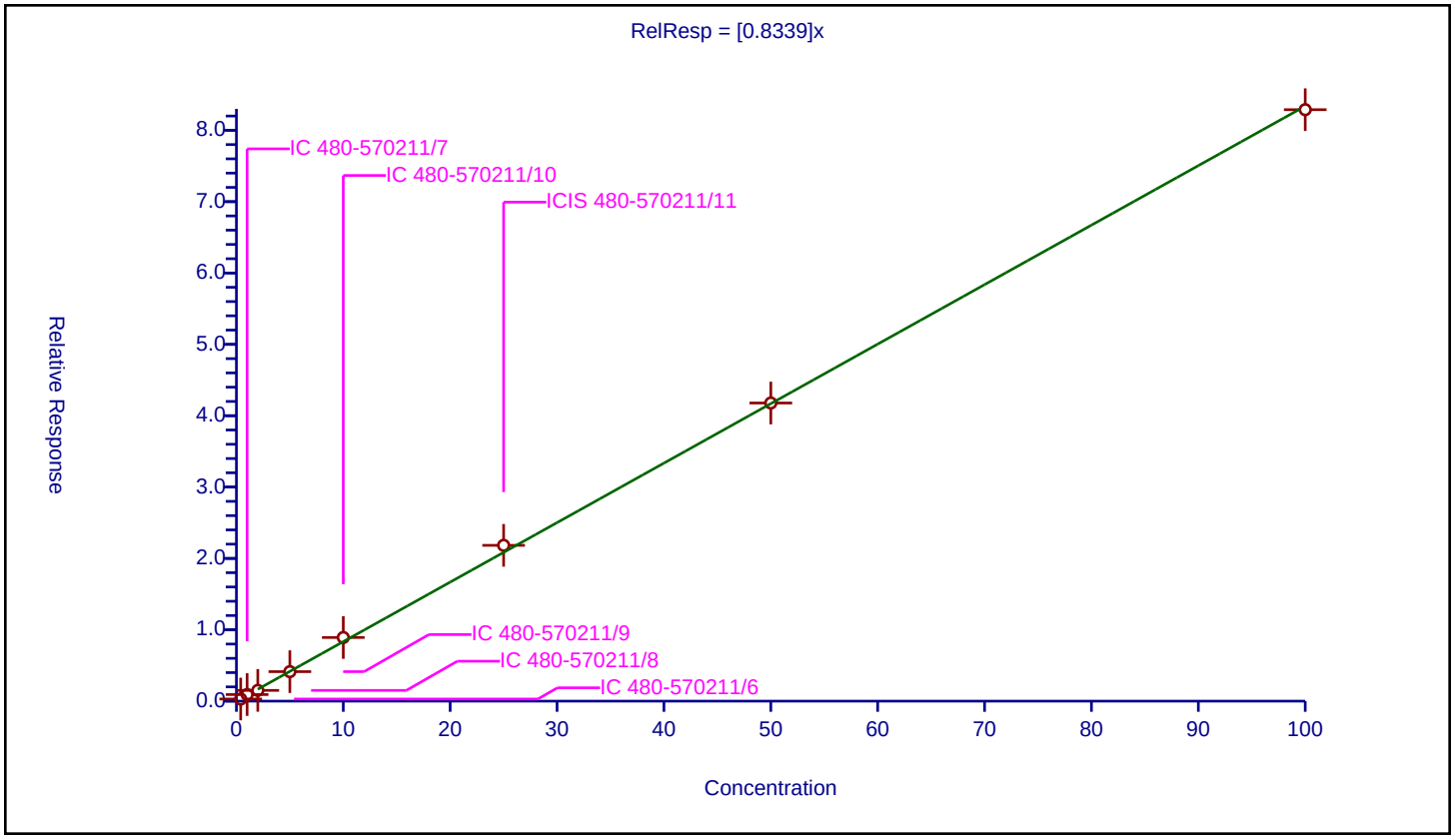
Curve Coefficients

Intercept:	0
Slope:	0.8339

Error Coefficients

Standard Error:	234000
Relative Standard Error:	7.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.294922	25.0	152159.0	0.737304	Y
2	IC 480-570211/7	1.0	0.924531	25.0	157945.0	0.924531	Y
3	IC 480-570211/8	2.0	1.505803	25.0	158354.0	0.752902	Y
4	IC 480-570211/9	5.0	4.132529	25.0	154276.0	0.826506	Y
5	IC 480-570211/10	10.0	8.918337	25.0	153019.0	0.891834	Y
6	ICIS 480-570211/11	25.0	21.834545	25.0	151866.0	0.873382	Y
7	IC 480-570211/12	50.0	41.780353	25.0	162802.0	0.835607	Y
8	IC 480-570211/13	100.0	82.889623	25.0	161836.0	0.828896	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

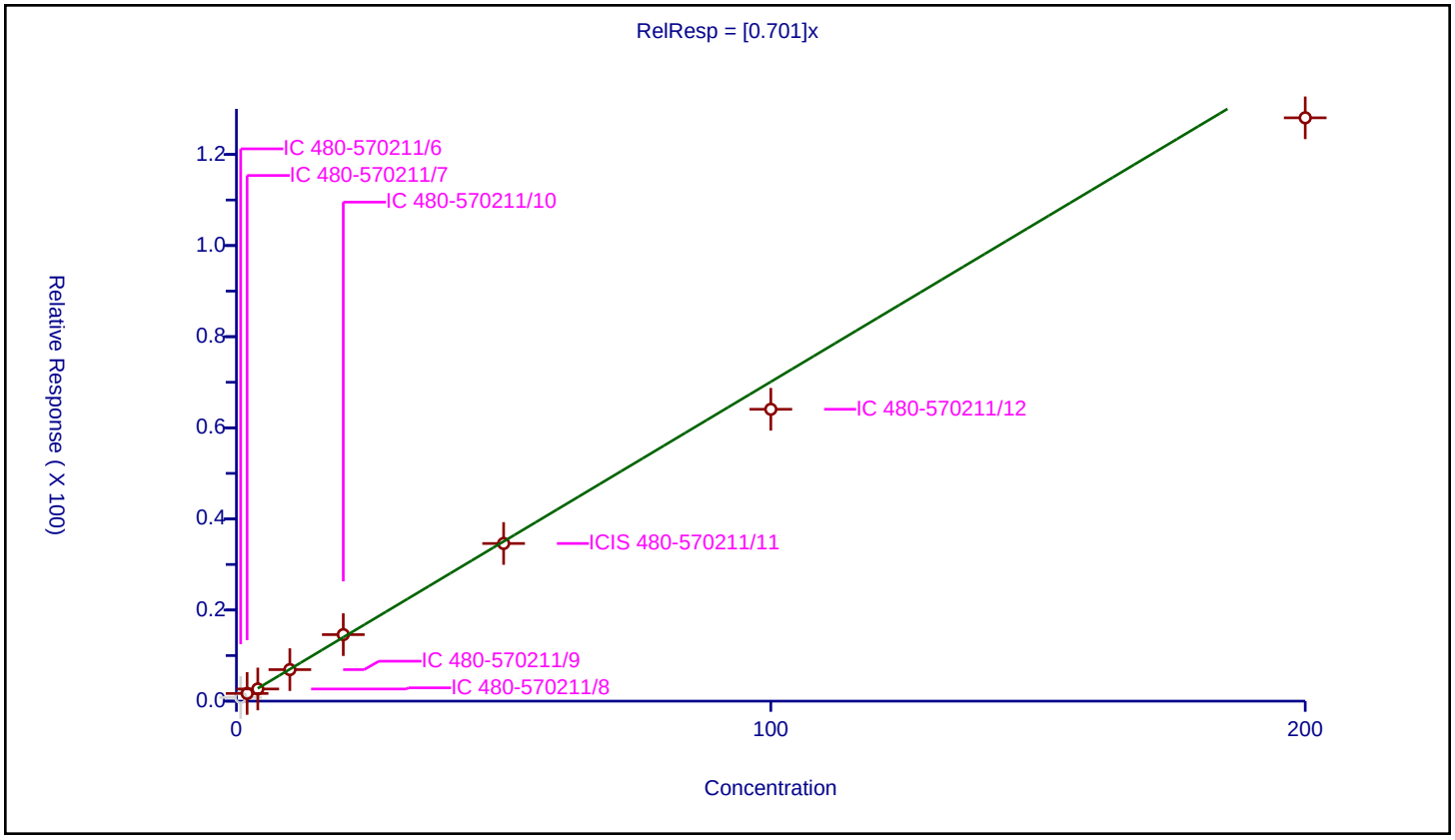
Curve Coefficients

Intercept:	0
Slope:	0.701

Error Coefficients

Standard Error:	391000
Relative Standard Error:	10.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.8	0.806558	25.0	152159.0	1.008197	N
2	IC 480-570211/7	2.0	1.688404	25.0	157945.0	0.844202	Y
3	IC 480-570211/8	4.0	2.670283	25.0	158354.0	0.667571	Y
4	IC 480-570211/9	10.0	6.9212	25.0	154276.0	0.69212	Y
5	IC 480-570211/10	20.0	14.602108	25.0	153019.0	0.730105	Y
6	ICIS 480-570211/11	50.0	34.607483	25.0	151866.0	0.69215	Y
7	IC 480-570211/12	100.0	64.063095	25.0	162802.0	0.640631	Y
8	IC 480-570211/13	200.0	128.043822	25.0	161836.0	0.640219	Y



Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

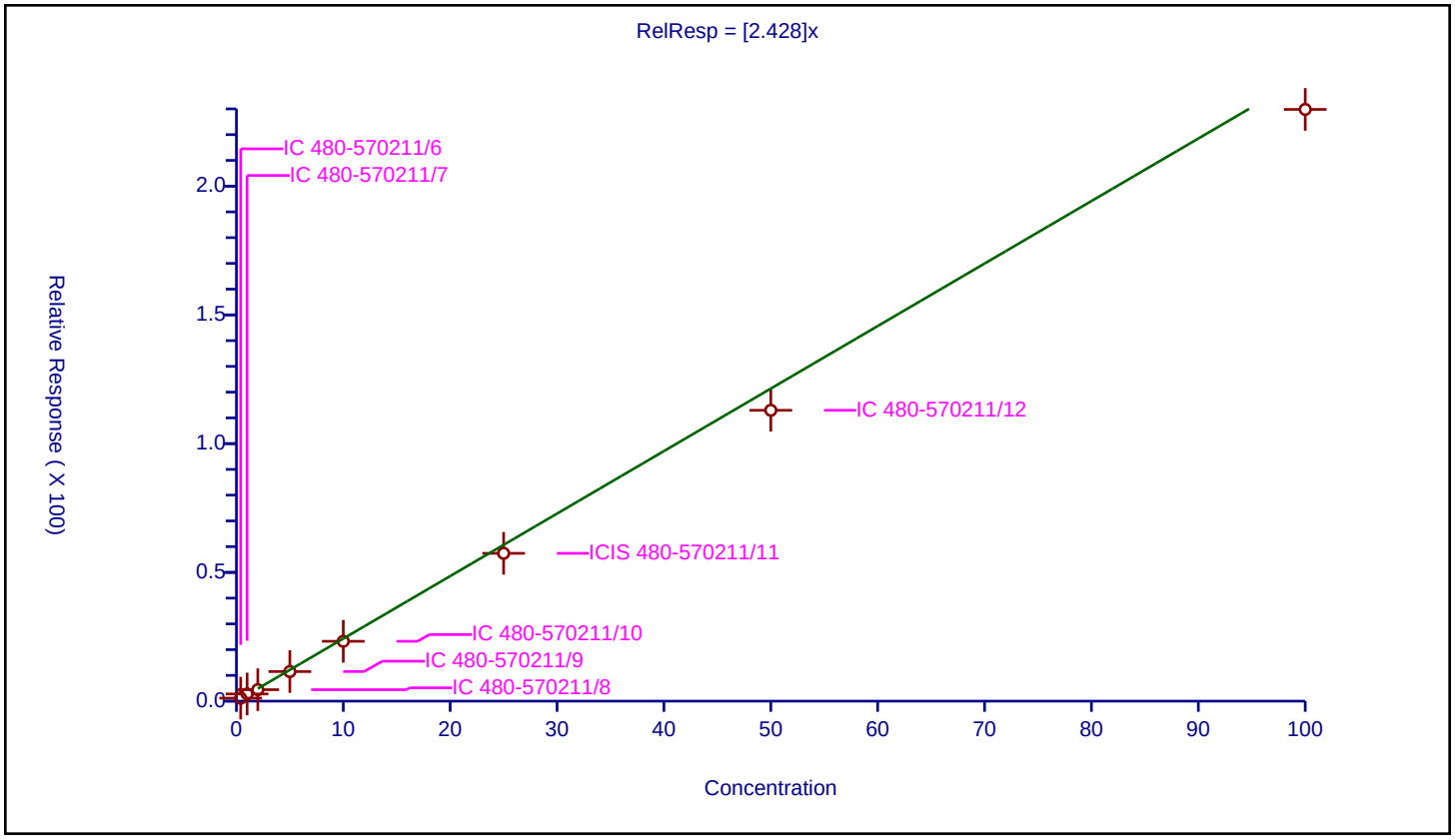
Curve Coefficients

Intercept:	0
Slope:	2.428

Error Coefficients

Standard Error:	644000
Relative Standard Error:	11.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	1.171143	25.0	152159.0	2.927858	Y
2	IC 480-570211/7	1.0	2.791795	25.0	157945.0	2.791795	Y
3	IC 480-570211/8	2.0	4.453787	25.0	158354.0	2.226894	Y
4	IC 480-570211/9	5.0	11.484288	25.0	154276.0	2.296858	Y
5	IC 480-570211/10	10.0	23.24744	25.0	153019.0	2.324744	Y
6	ICIS 480-570211/11	25.0	57.401591	25.0	151866.0	2.296064	Y
7	IC 480-570211/12	50.0	112.949472	25.0	162802.0	2.258989	Y
8	IC 480-570211/13	100.0	229.797449	25.0	161836.0	2.297974	Y



Calibration / 1,1,1-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

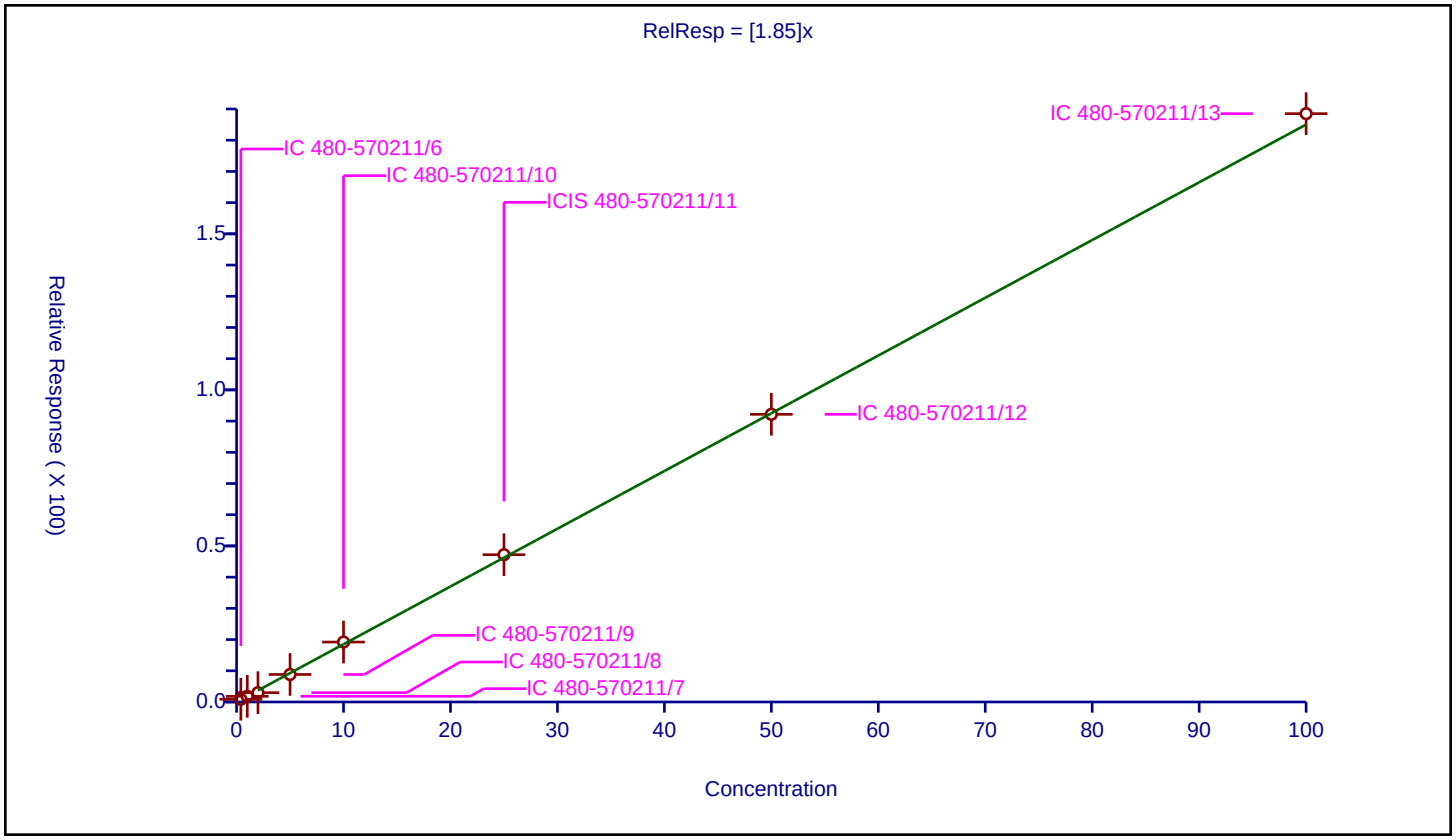
Curve Coefficients

Intercept:	0
Slope:	1.85

Error Coefficients

Standard Error:	528000
Relative Standard Error:	10.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.878522	25.0	152159.0	2.196305	Y
2	IC 480-570211/7	1.0	1.812498	25.0	157945.0	1.812498	Y
3	IC 480-570211/8	2.0	2.984926	25.0	158354.0	1.492463	Y
4	IC 480-570211/9	5.0	8.81537	25.0	154276.0	1.763074	Y
5	IC 480-570211/10	10.0	19.202517	25.0	153019.0	1.920252	Y
6	ICIS 480-570211/11	25.0	47.19934	25.0	151866.0	1.887974	Y
7	IC 480-570211/12	50.0	92.176847	25.0	162802.0	1.843537	Y
8	IC 480-570211/13	100.0	188.511209	25.0	161836.0	1.885112	Y



Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

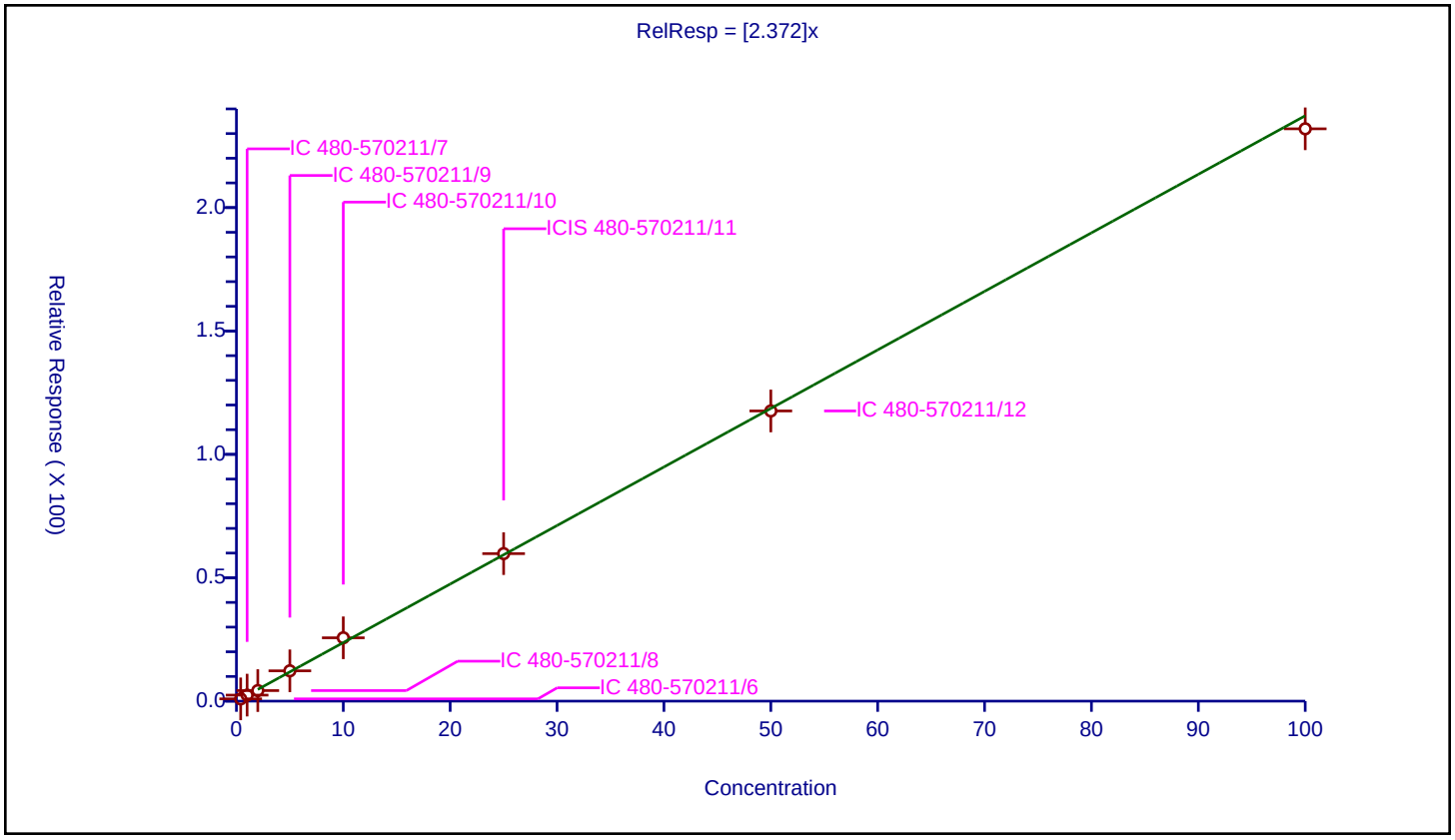
Curve Coefficients

Intercept:	0
Slope:	2.372

Error Coefficients

Standard Error:	655000
Relative Standard Error:	5.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.920583	25.0	152159.0	2.301458	Y
2	IC 480-570211/7	1.0	2.447846	25.0	157945.0	2.447846	Y
3	IC 480-570211/8	2.0	4.282336	25.0	158354.0	2.141168	Y
4	IC 480-570211/9	5.0	12.289339	25.0	154276.0	2.457868	Y
5	IC 480-570211/10	10.0	25.668381	25.0	153019.0	2.566838	Y
6	ICIS 480-570211/11	25.0	59.778193	25.0	151866.0	2.391128	Y
7	IC 480-570211/12	50.0	117.591768	25.0	162802.0	2.351835	Y
8	IC 480-570211/13	100.0	231.924448	25.0	161836.0	2.319244	Y



Calibration / Dibromofluoromethane (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

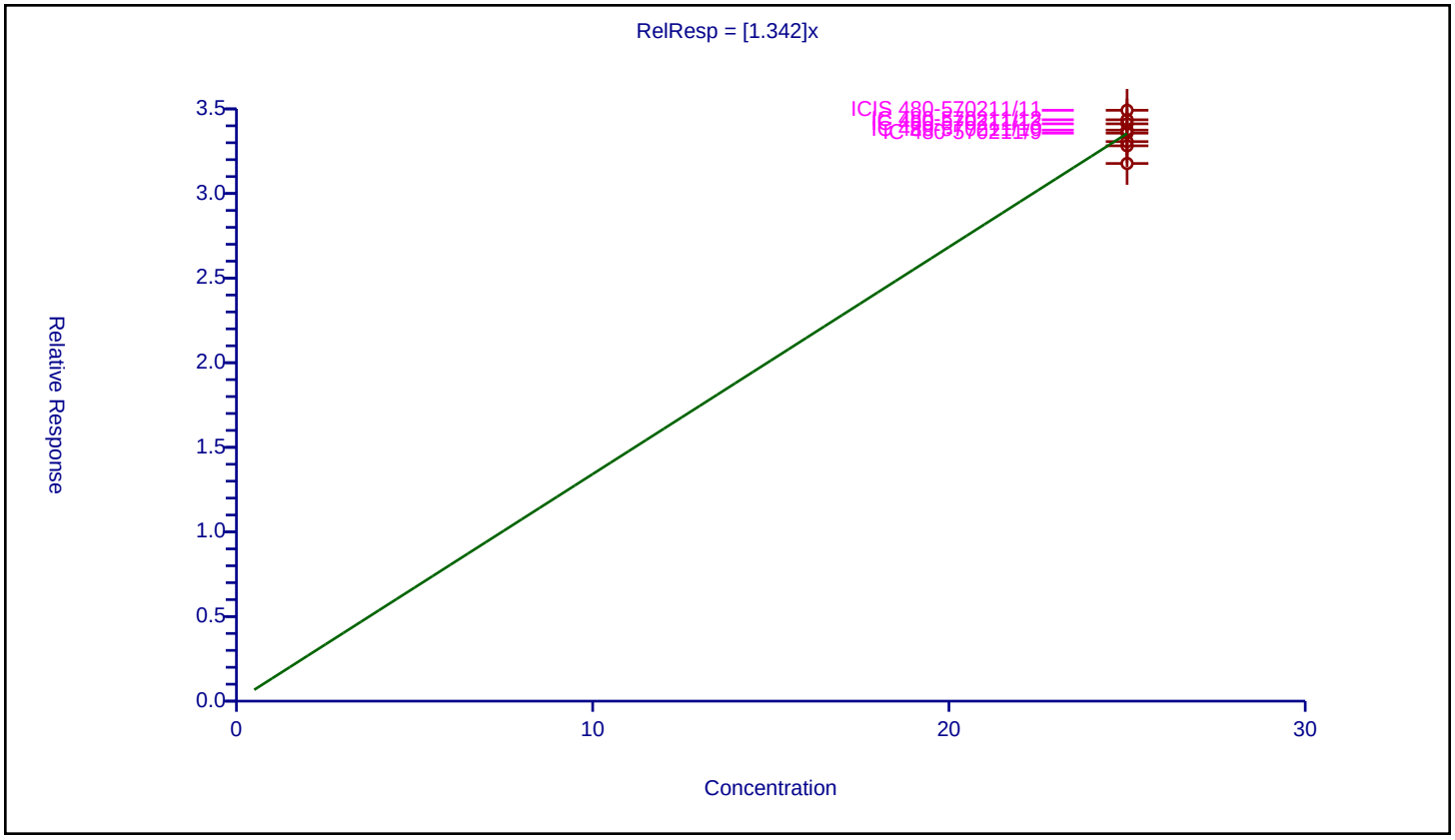
Curve Coefficients

Intercept:	0
Slope:	1.342

Error Coefficients

Standard Error:	225000
Relative Standard Error:	2.9
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	25.0	33.067383	25.0	152159.0	1.322695	Y
2	IC 480-570211/7	25.0	31.77451	25.0	157945.0	1.27098	Y
3	IC 480-570211/8	25.0	32.819032	25.0	158354.0	1.312761	Y
4	IC 480-570211/9	25.0	33.565817	25.0	154276.0	1.342633	Y
5	IC 480-570211/10	25.0	33.746463	25.0	153019.0	1.349859	Y
6	ICIS 480-570211/11	25.0	34.917789	25.0	151866.0	1.396712	Y
7	IC 480-570211/12	25.0	34.357225	25.0	162802.0	1.374289	Y
8	IC 480-570211/13	25.0	34.116791	25.0	161836.0	1.364672	Y



Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

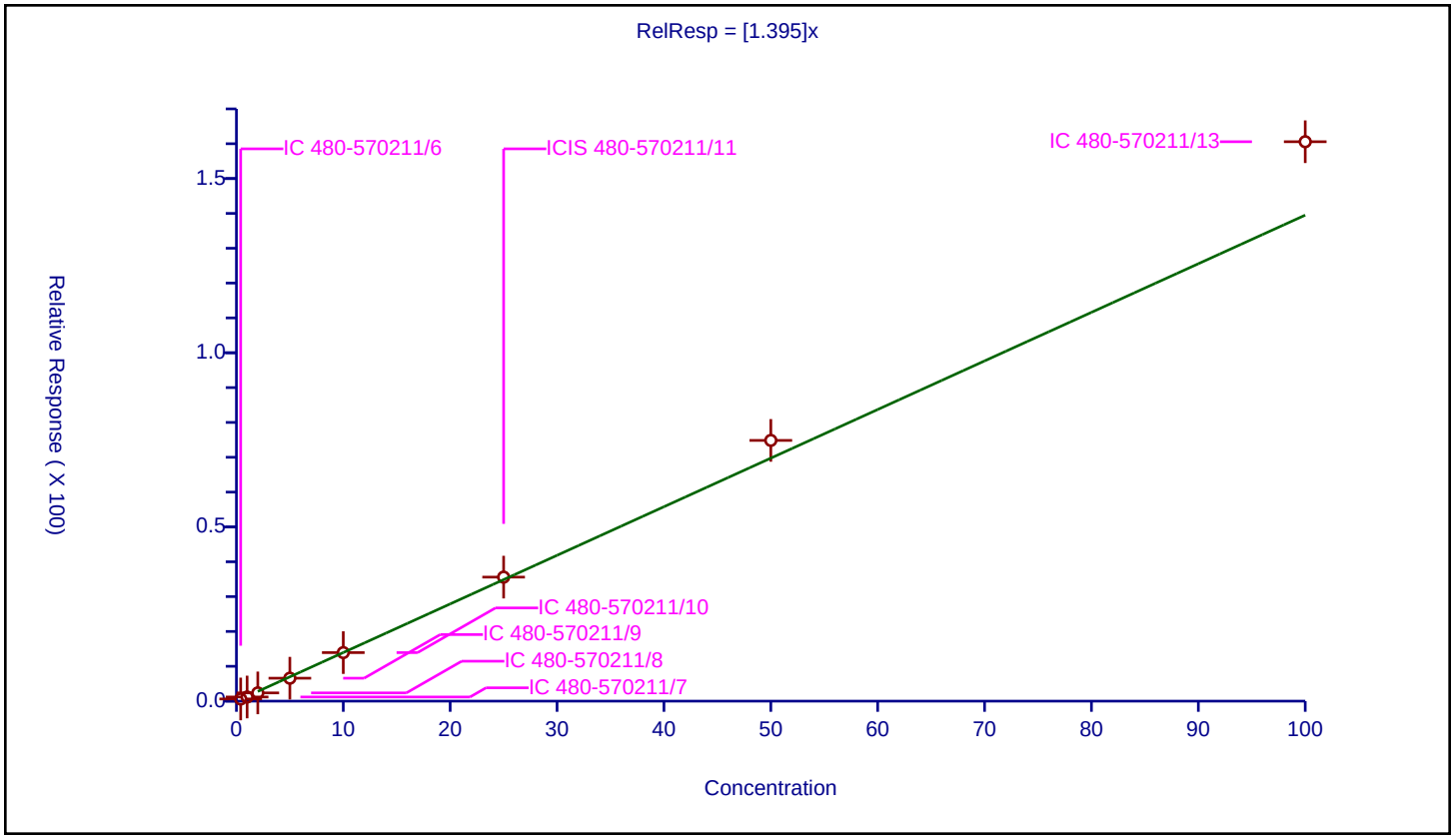
Curve Coefficients

Intercept:	0
Slope:	1.395

Error Coefficients

Standard Error:	443000
Relative Standard Error:	11.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.620239	25.0	152159.0	1.550598	Y
2	IC 480-570211/7	1.0	1.188547	25.0	157945.0	1.188547	Y
3	IC 480-570211/8	2.0	2.367165	25.0	158354.0	1.183582	Y
4	IC 480-570211/9	5.0	6.587706	25.0	154276.0	1.317541	Y
5	IC 480-570211/10	10.0	13.935361	25.0	153019.0	1.393536	Y
6	ICIS 480-570211/11	25.0	35.596348	25.0	151866.0	1.423854	Y
7	IC 480-570211/12	50.0	74.841832	25.0	162802.0	1.496837	Y
8	IC 480-570211/13	100.0	160.57135	25.0	161836.0	1.605714	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

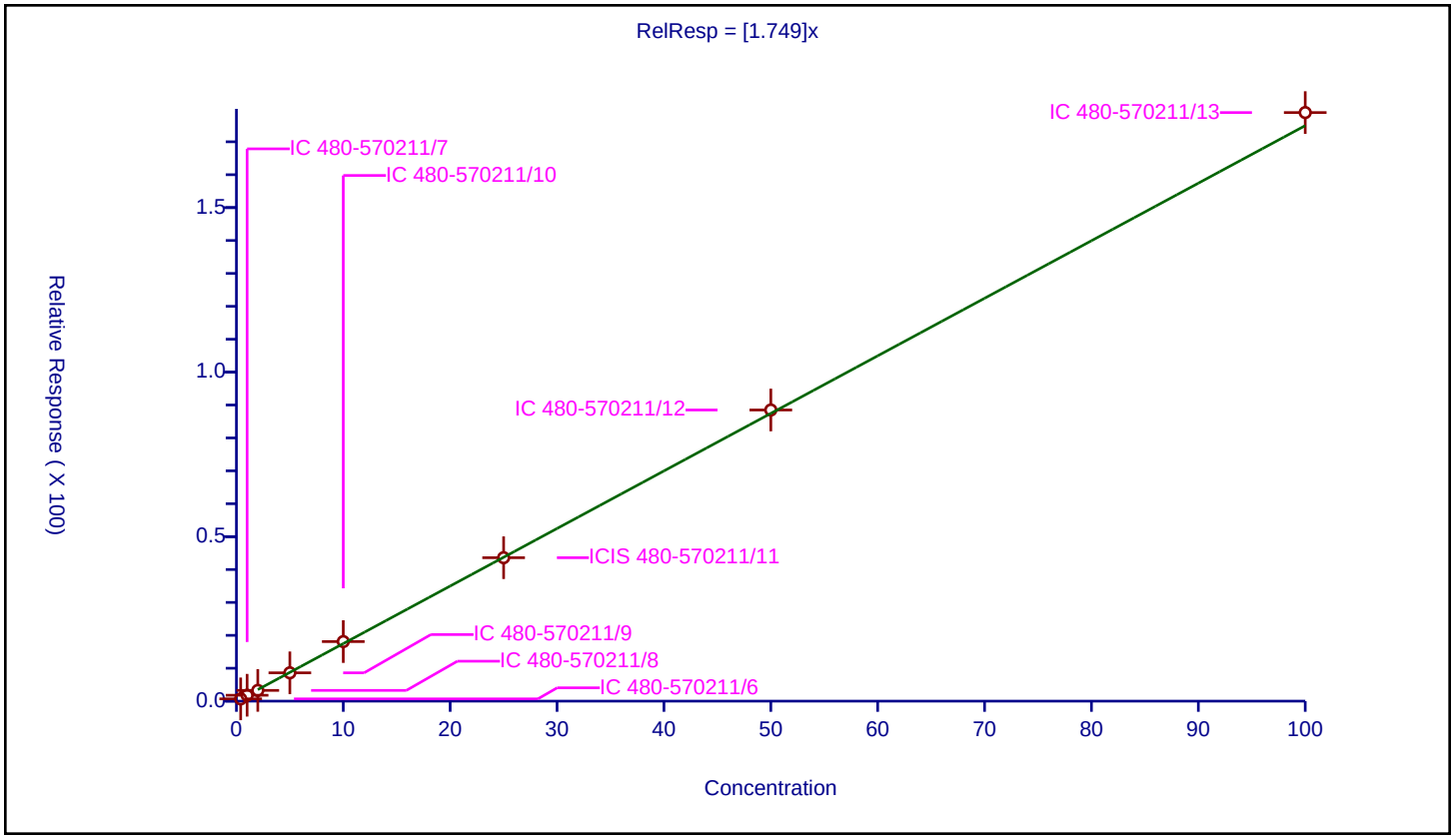
Curve Coefficients

Intercept:	0
Slope:	1.749

Error Coefficients

Standard Error:	501000
Relative Standard Error:	3.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.693682	25.0	152159.0	1.734206	Y
2	IC 480-570211/7	1.0	1.793029	25.0	157945.0	1.793029	Y
3	IC 480-570211/8	2.0	3.262153	25.0	158354.0	1.631077	Y
4	IC 480-570211/9	5.0	8.606653	25.0	154276.0	1.721331	Y
5	IC 480-570211/10	10.0	18.106248	25.0	153019.0	1.810625	Y
6	ICIS 480-570211/11	25.0	43.598139	25.0	151866.0	1.743926	Y
7	IC 480-570211/12	50.0	88.487856	25.0	162802.0	1.769757	Y
8	IC 480-570211/13	100.0	178.881398	25.0	161836.0	1.788814	Y



Calibration / 1,2-Dichloroethane-d4 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

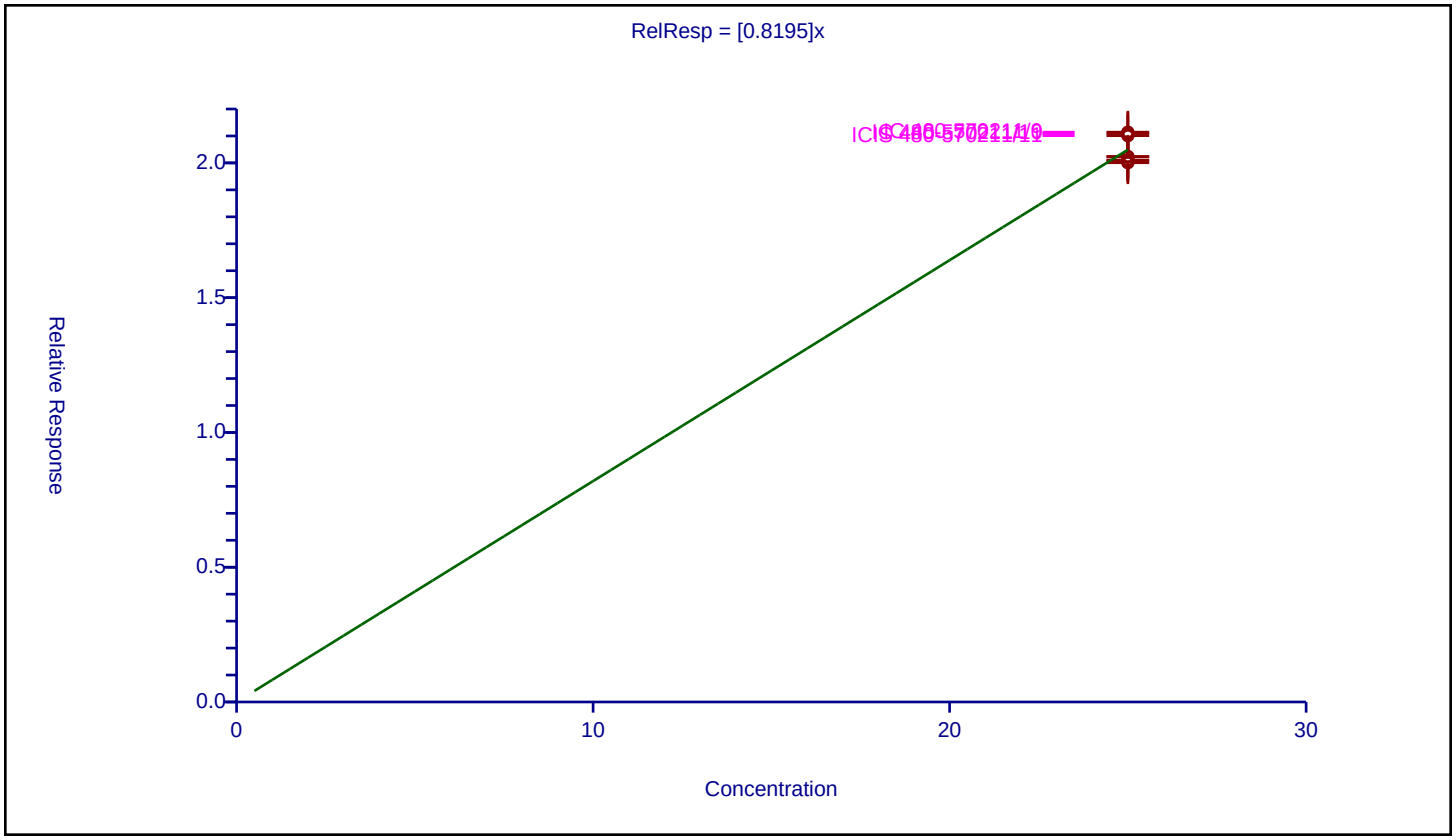
Curve Coefficients

Intercept:	0
Slope:	0.8195

Error Coefficients

Standard Error:	137000
Relative Standard Error:	2.4
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	25.0	20.109228	25.0	152159.0	0.804369	Y
2	IC 480-570211/7	25.0	20.237424	25.0	157945.0	0.809497	Y
3	IC 480-570211/8	25.0	20.233149	25.0	158354.0	0.809326	Y
4	IC 480-570211/9	25.0	21.141655	25.0	154276.0	0.845666	Y
5	IC 480-570211/10	25.0	21.090518	25.0	153019.0	0.843621	Y
6	ICIS 480-570211/11	25.0	21.010463	25.0	151866.0	0.840419	Y
7	IC 480-570211/12	25.0	20.006357	25.0	162802.0	0.800254	Y
8	IC 480-570211/13	25.0	20.078969	25.0	161836.0	0.803159	Y



Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

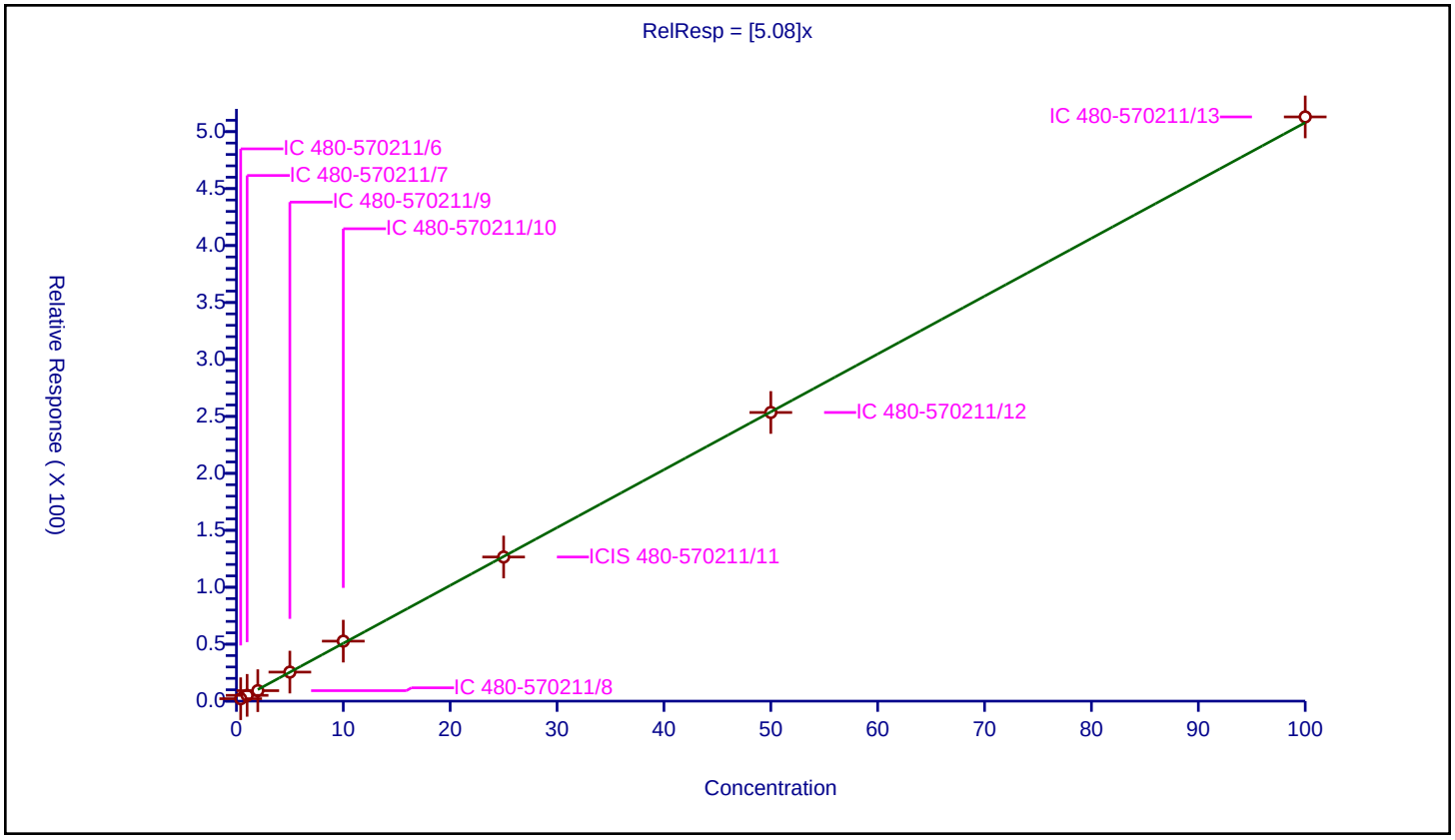
Curve Coefficients

Intercept:	0
Slope:	5.08

Error Coefficients

Standard Error:	1440000
Relative Standard Error:	4.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	2.129352	25.0	152159.0	5.323379	Y
2	IC 480-570211/7	1.0	5.080408	25.0	157945.0	5.080408	Y
3	IC 480-570211/8	2.0	9.205956	25.0	158354.0	4.602978	Y
4	IC 480-570211/9	5.0	25.504291	25.0	154276.0	5.100858	Y
5	IC 480-570211/10	10.0	52.679569	25.0	153019.0	5.267957	Y
6	ICIS 480-570211/11	25.0	126.549063	25.0	151866.0	5.061963	Y
7	IC 480-570211/12	50.0	253.463717	25.0	162802.0	5.069274	Y
8	IC 480-570211/13	100.0	512.967912	25.0	161836.0	5.129679	Y



Calibration / Isobutyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

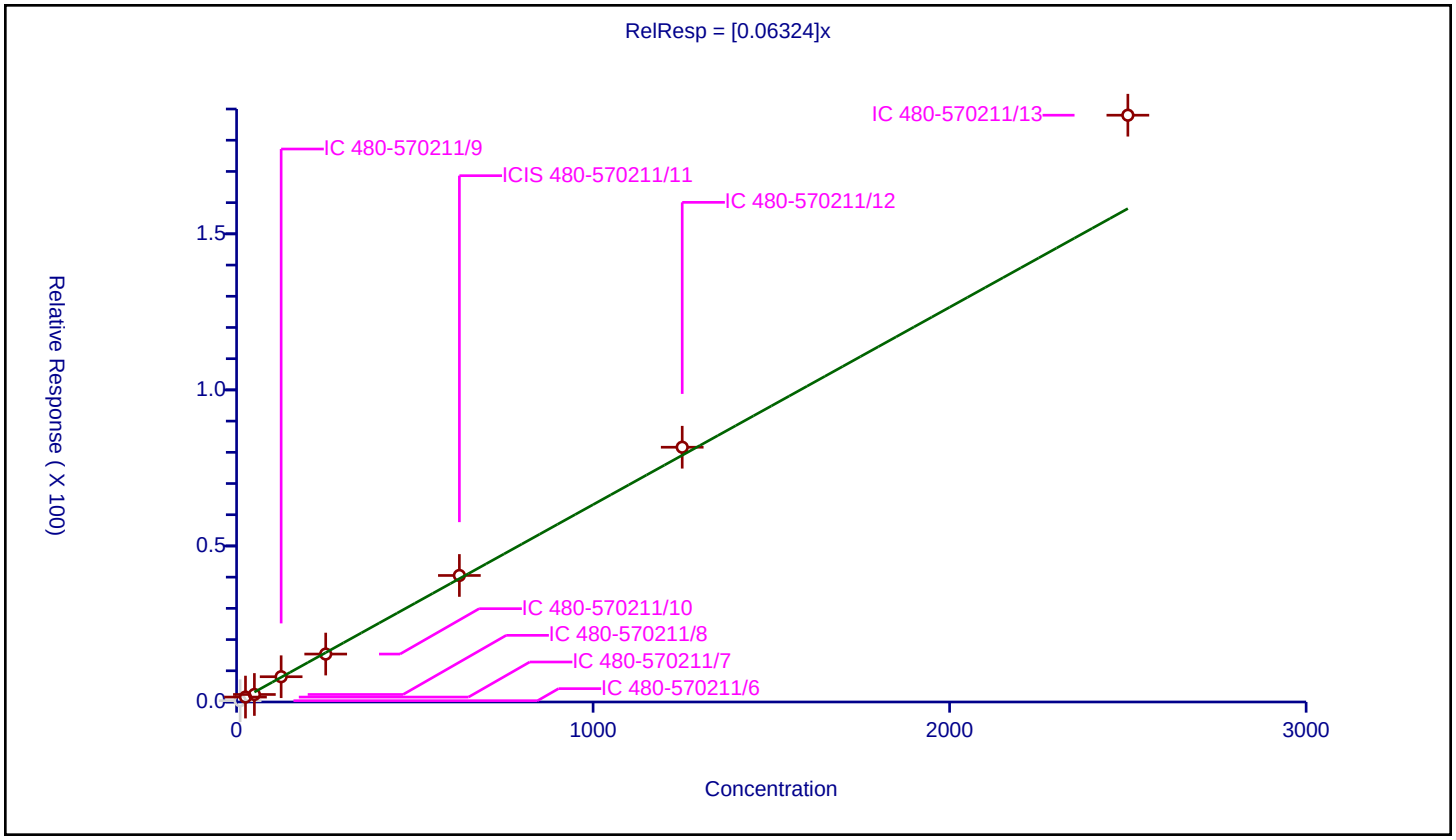
Curve Coefficients

Intercept:	0
Slope:	0.06324

Error Coefficients

Standard Error:	553000
Relative Standard Error:	12.6
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	10.0	0.416341	25.0	152159.0	0.041634	N
2	IC 480-570211/7	25.0	1.574599	25.0	157945.0	0.062984	Y
3	IC 480-570211/8	50.0	2.407107	25.0	158354.0	0.048142	Y
4	IC 480-570211/9	125.0	8.092153	25.0	154276.0	0.064737	Y
5	IC 480-570211/10	250.0	15.360347	25.0	153019.0	0.061441	Y
6	ICIS 480-570211/11	625.0	40.535242	25.0	151866.0	0.064856	Y
7	IC 480-570211/12	1250.0	81.632597	25.0	162802.0	0.065306	Y
8	IC 480-570211/13	2500.0	188.017036	25.0	161836.0	0.075207	Y



Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

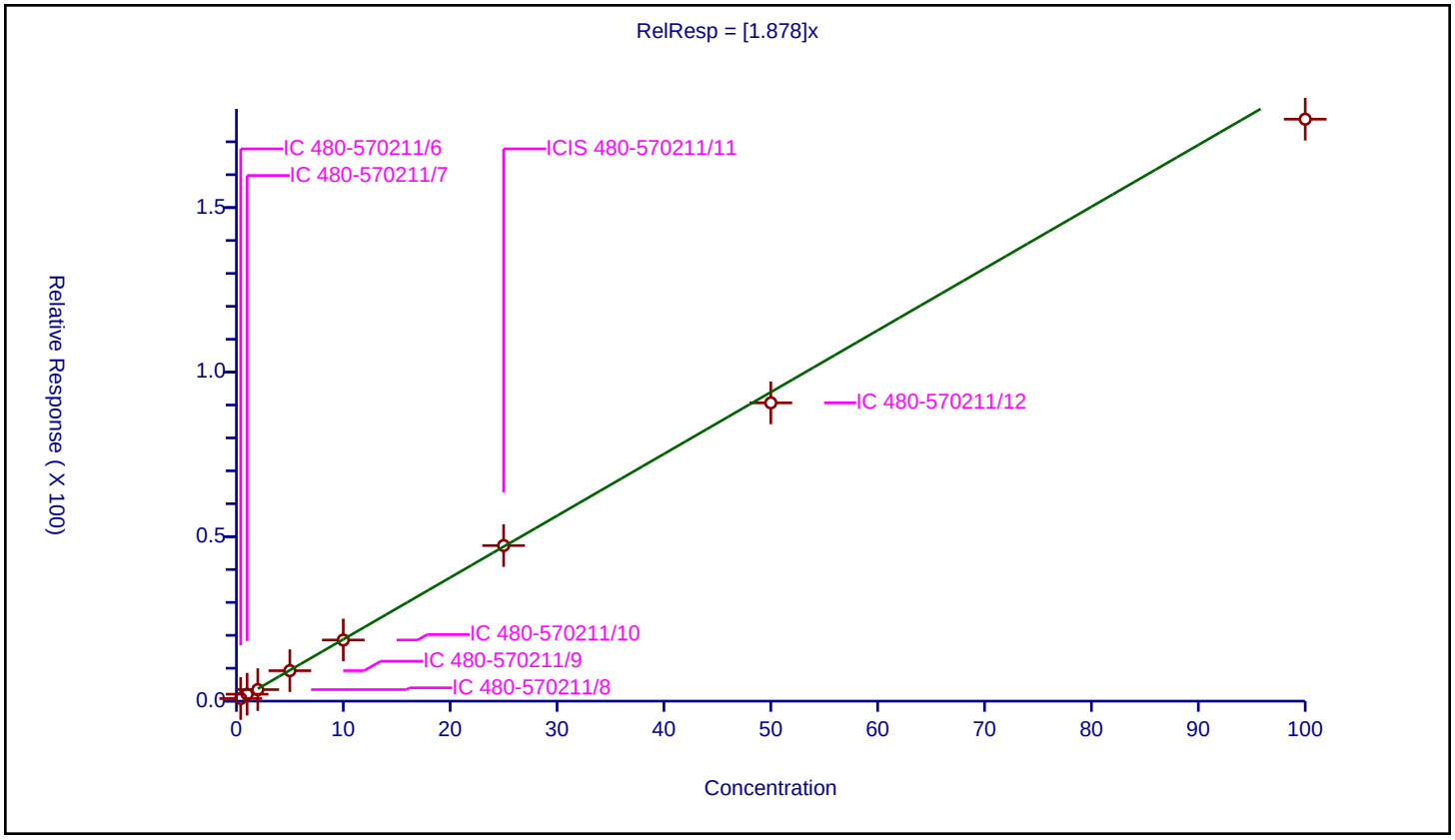
Curve Coefficients

Intercept:	0
Slope:	1.878

Error Coefficients

Standard Error:	501000
Relative Standard Error:	6.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.793085	25.0	152159.0	1.982712	Y
2	IC 480-570211/7	1.0	2.108645	25.0	157945.0	2.108645	Y
3	IC 480-570211/8	2.0	3.503227	25.0	158354.0	1.751613	Y
4	IC 480-570211/9	5.0	9.2563	25.0	154276.0	1.85126	Y
5	IC 480-570211/10	10.0	18.585274	25.0	153019.0	1.858527	Y
6	ICIS 480-570211/11	25.0	47.286259	25.0	151866.0	1.89145	Y
7	IC 480-570211/12	50.0	90.657977	25.0	162802.0	1.81316	Y
8	IC 480-570211/13	100.0	176.870258	25.0	161836.0	1.768703	Y



Calibration / n-Heptane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

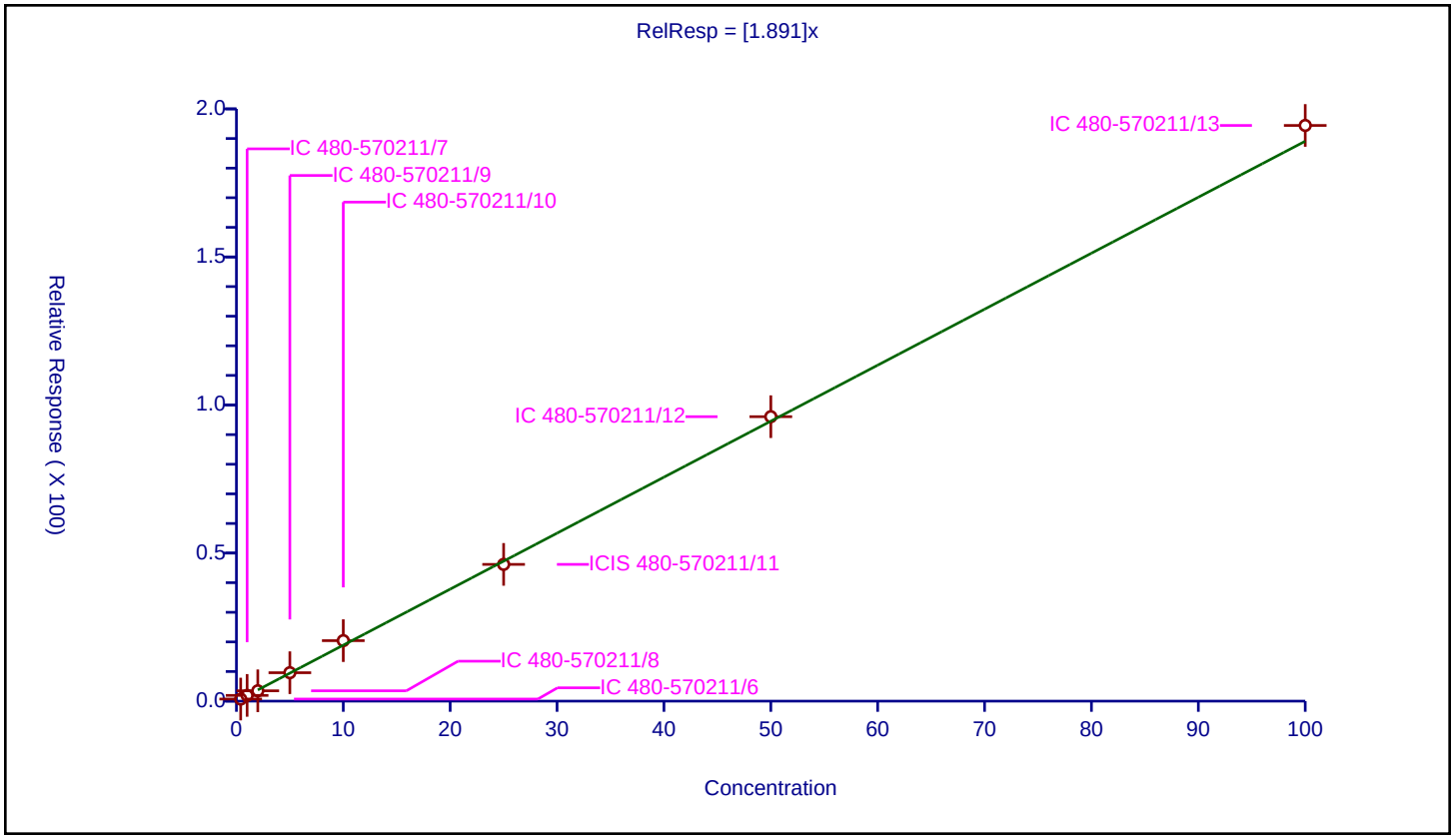
Curve Coefficients

Intercept:	0
Slope:	1.891

Error Coefficients

Standard Error:	544000
Relative Standard Error:	5.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.706334	25.0	152159.0	1.765834	Y
2	IC 480-570211/7	1.0	1.934692	25.0	157945.0	1.934692	Y
3	IC 480-570211/8	2.0	3.498333	25.0	158354.0	1.749166	Y
4	IC 480-570211/9	5.0	9.604378	25.0	154276.0	1.920876	Y
5	IC 480-570211/10	10.0	20.433574	25.0	153019.0	2.043357	Y
6	ICIS 480-570211/11	25.0	46.179033	25.0	151866.0	1.847161	Y
7	IC 480-570211/12	50.0	96.067155	25.0	162802.0	1.921343	Y
8	IC 480-570211/13	100.0	194.409618	25.0	161836.0	1.944096	Y



Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

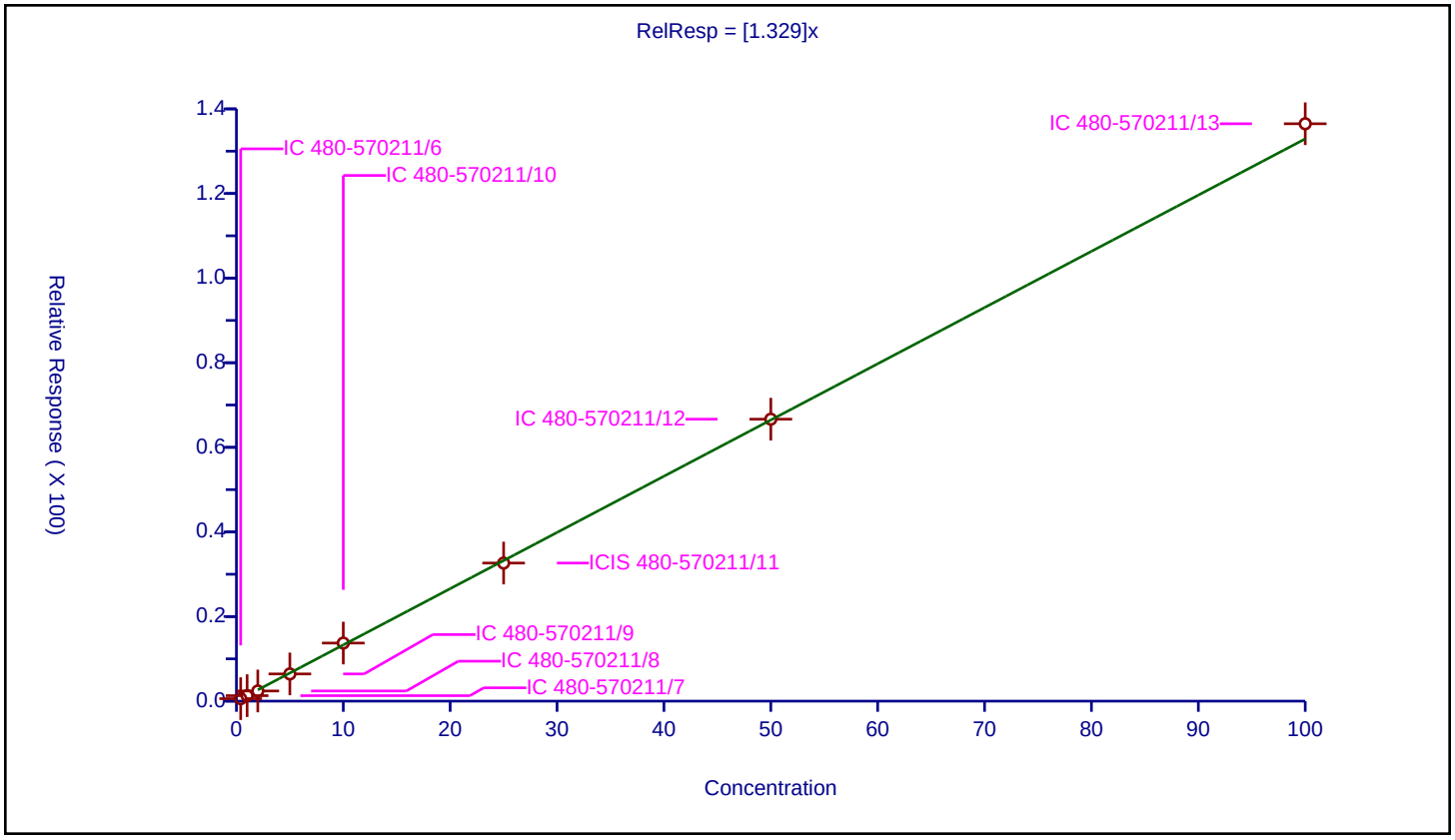
Curve Coefficients

Intercept:	0
Slope:	1.329

Error Coefficients

Standard Error:	381000
Relative Standard Error:	6.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.590336	25.0	152159.0	1.475841	Y
2	IC 480-570211/7	1.0	1.292697	25.0	157945.0	1.292697	Y
3	IC 480-570211/8	2.0	2.404739	25.0	158354.0	1.202369	Y
4	IC 480-570211/9	5.0	6.428414	25.0	154276.0	1.285683	Y
5	IC 480-570211/10	10.0	13.72591	25.0	153019.0	1.372591	Y
6	ICIS 480-570211/11	25.0	32.642428	25.0	151866.0	1.305697	Y
7	IC 480-570211/12	50.0	66.651055	25.0	162802.0	1.333021	Y
8	IC 480-570211/13	100.0	136.487246	25.0	161836.0	1.364872	Y



Calibration / Methylcyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

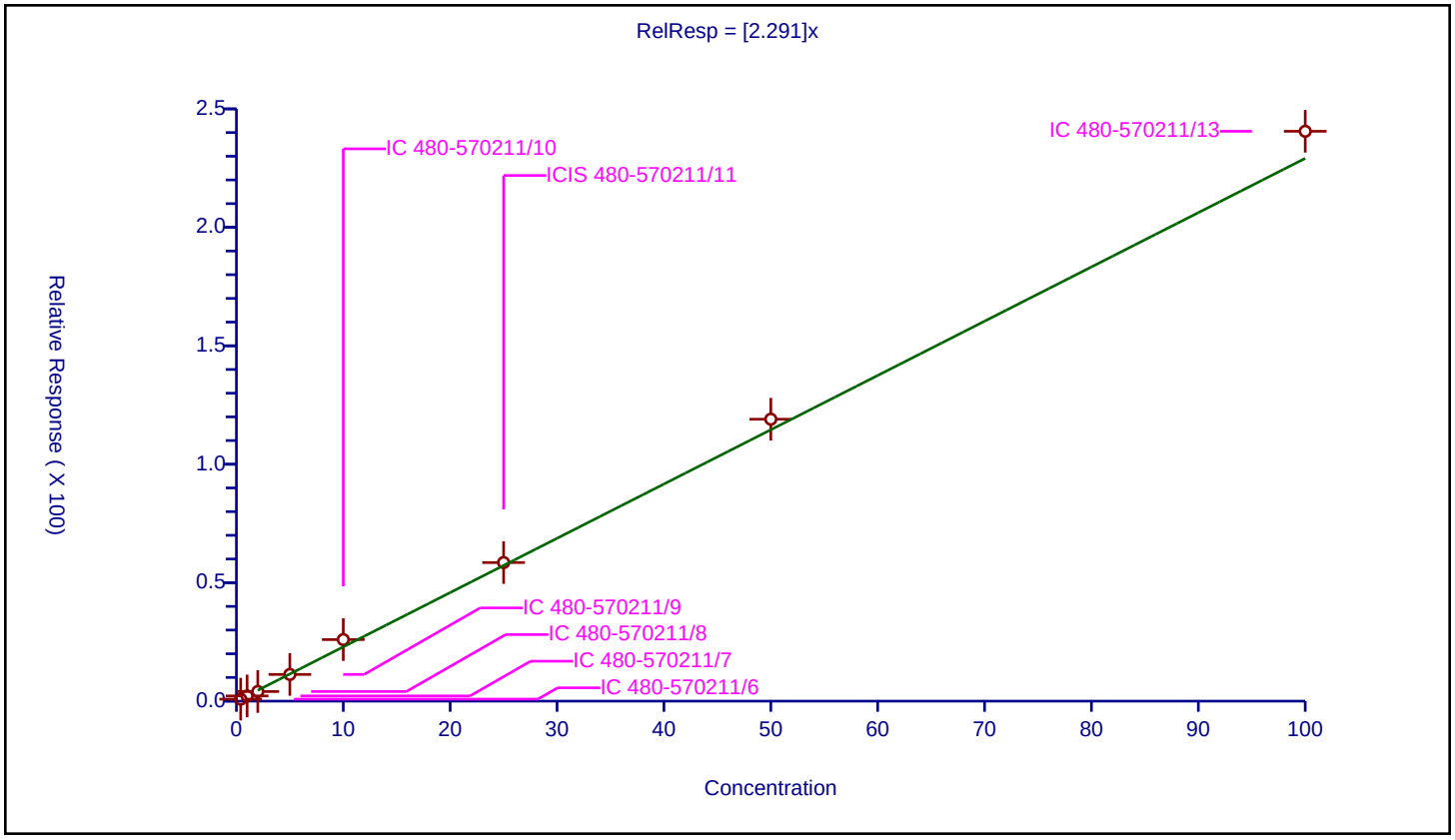
Curve Coefficients

Intercept:	0
Slope:	2.291

Error Coefficients

Standard Error:	674000
Relative Standard Error:	7.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.847797	25.0	152159.0	2.119493	Y
2	IC 480-570211/7	1.0	2.198867	25.0	157945.0	2.198867	Y
3	IC 480-570211/8	2.0	4.063206	25.0	158354.0	2.031603	Y
4	IC 480-570211/9	5.0	11.274113	25.0	154276.0	2.254823	Y
5	IC 480-570211/10	10.0	25.987296	25.0	153019.0	2.59873	Y
6	ICIS 480-570211/11	25.0	58.497788	25.0	151866.0	2.339912	Y
7	IC 480-570211/12	50.0	119.00683	25.0	162802.0	2.380137	Y
8	IC 480-570211/13	100.0	240.540733	25.0	161836.0	2.405407	Y



Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

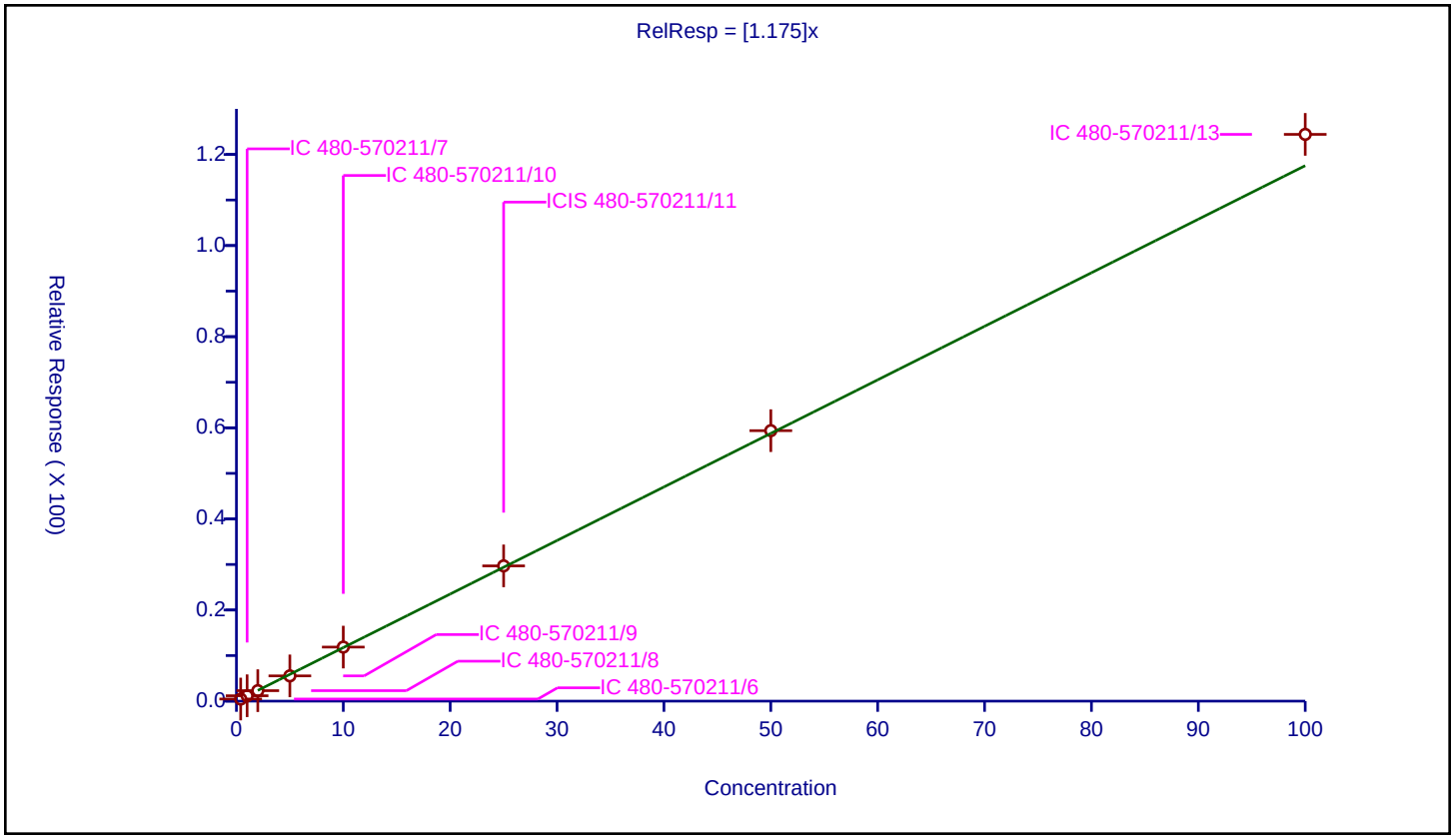
Curve Coefficients

Intercept:	0
Slope:	1.175

Error Coefficients

Standard Error:	346000
Relative Standard Error:	3.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.46251	25.0	152159.0	1.156274	Y
2	IC 480-570211/7	1.0	1.18269	25.0	157945.0	1.18269	Y
3	IC 480-570211/8	2.0	2.299595	25.0	158354.0	1.149797	Y
4	IC 480-570211/9	5.0	5.544932	25.0	154276.0	1.108986	Y
5	IC 480-570211/10	10.0	11.863069	25.0	153019.0	1.186307	Y
6	ICIS 480-570211/11	25.0	29.689661	25.0	151866.0	1.187586	Y
7	IC 480-570211/12	50.0	59.368742	25.0	162802.0	1.187375	Y
8	IC 480-570211/13	100.0	124.405571	25.0	161836.0	1.244056	Y



Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

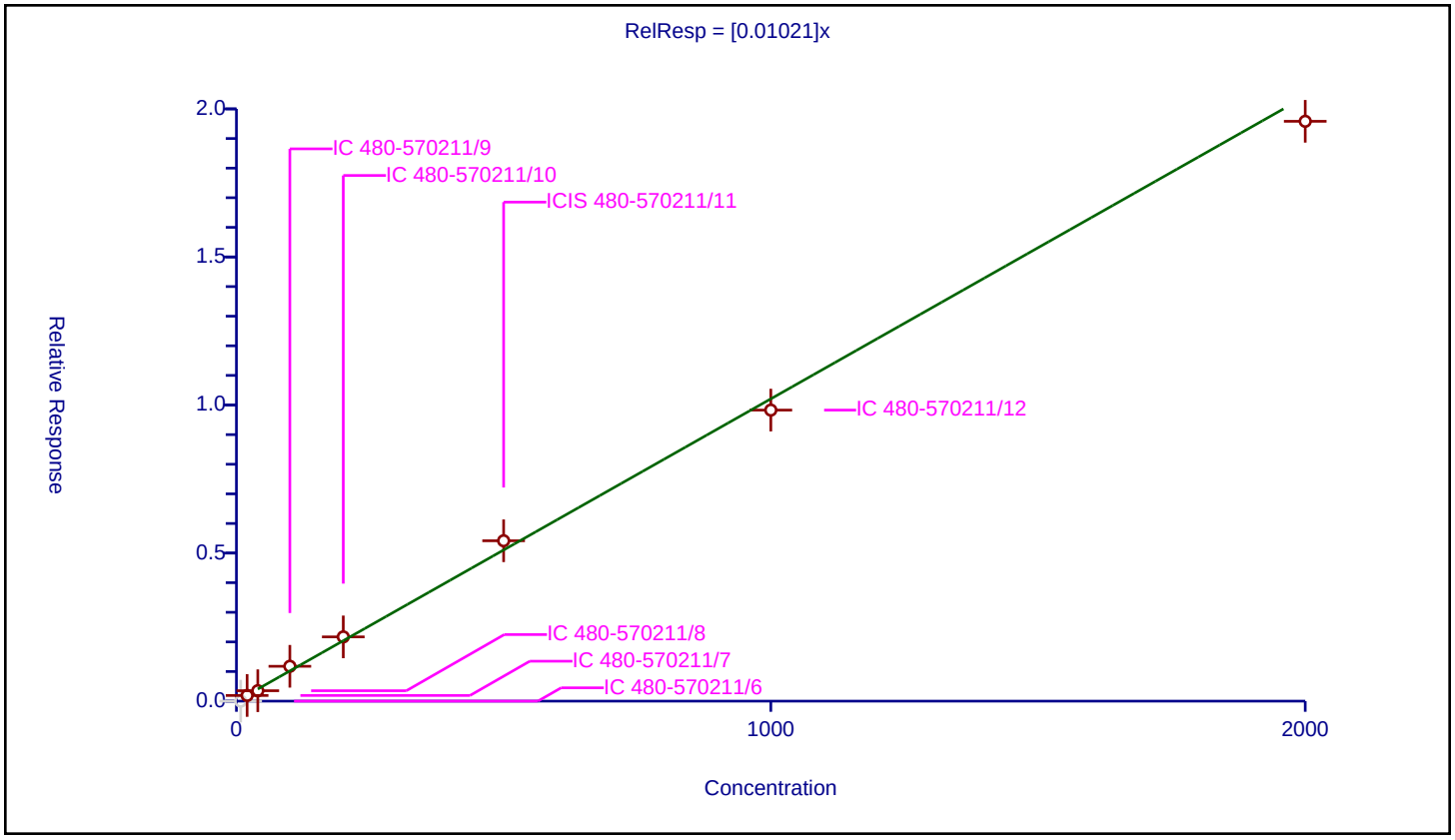
Curve Coefficients

Intercept:	0
Slope:	0.01021

Error Coefficients

Standard Error:	119000
Relative Standard Error:	9.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	8.0	0.0	25.0	267968.0	0.0	N
2	IC 480-570211/7	20.0	0.191548	25.0	295749.0	0.009577	Y
3	IC 480-570211/8	40.0	0.35232	25.0	289864.0	0.008808	Y
4	IC 480-570211/9	100.0	1.176883	25.0	283227.0	0.011769	Y
5	IC 480-570211/10	200.0	2.170005	25.0	282868.0	0.01085	Y
6	ICIS 480-570211/11	500.0	5.415557	25.0	280816.0	0.010831	Y
7	IC 480-570211/12	1000.0	9.828098	25.0	308984.0	0.009828	Y
8	IC 480-570211/13	2000.0	19.580841	25.0	325604.0	0.00979	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

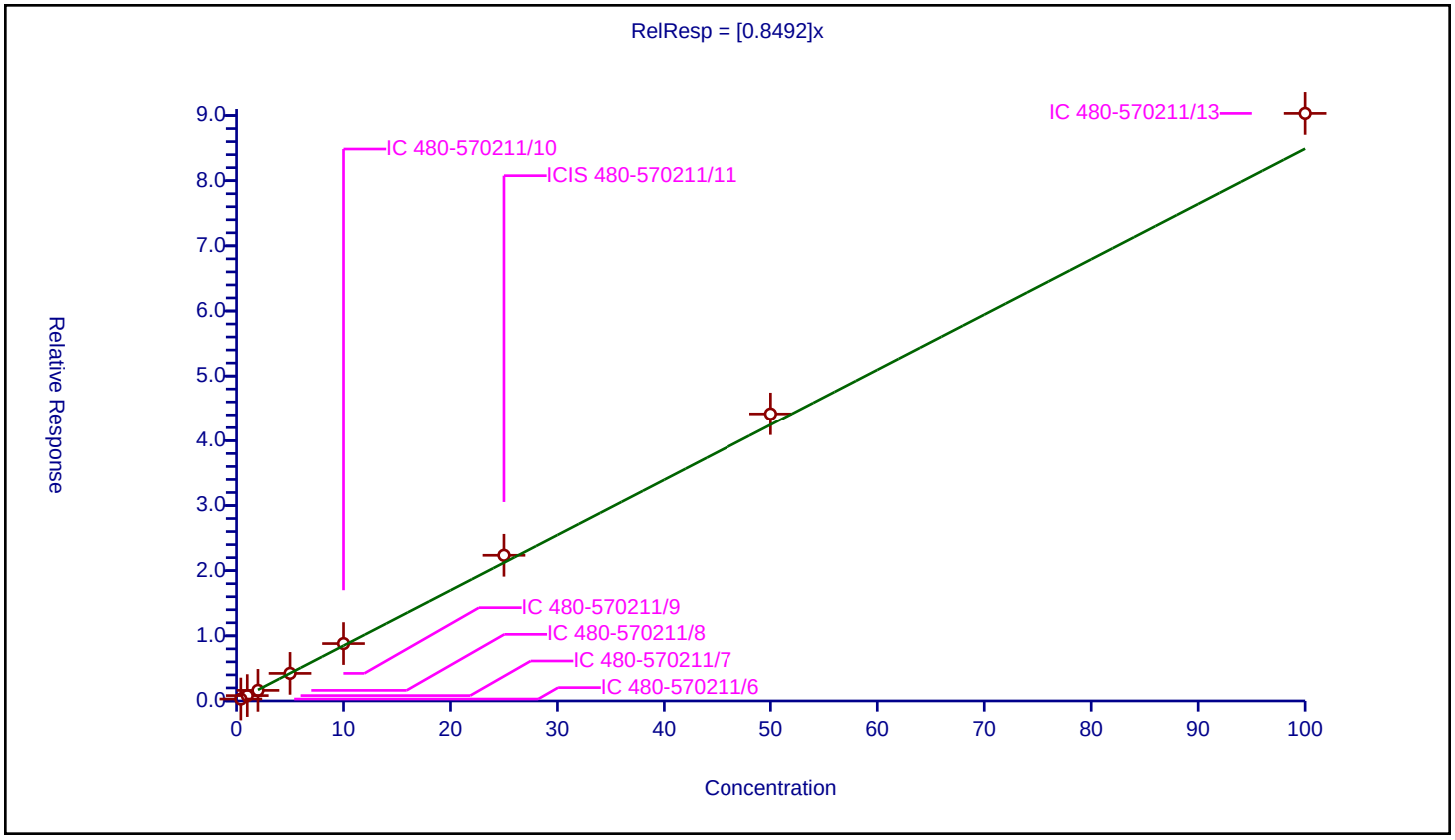
Curve Coefficients

Intercept:	0
Slope:	0.8492

Error Coefficients

Standard Error:	253000
Relative Standard Error:	6.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.297715	25.0	152159.0	0.744287	Y
2	IC 480-570211/7	1.0	0.82592	25.0	157945.0	0.82592	Y
3	IC 480-570211/8	2.0	1.627524	25.0	158354.0	0.813762	Y
4	IC 480-570211/9	5.0	4.235105	25.0	154276.0	0.847021	Y
5	IC 480-570211/10	10.0	8.813611	25.0	153019.0	0.881361	Y
6	ICIS 480-570211/11	25.0	22.364288	25.0	151866.0	0.894572	Y
7	IC 480-570211/12	50.0	44.15302	25.0	162802.0	0.88306	Y
8	IC 480-570211/13	100.0	90.330798	25.0	161836.0	0.903308	Y



Calibration / Dichlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

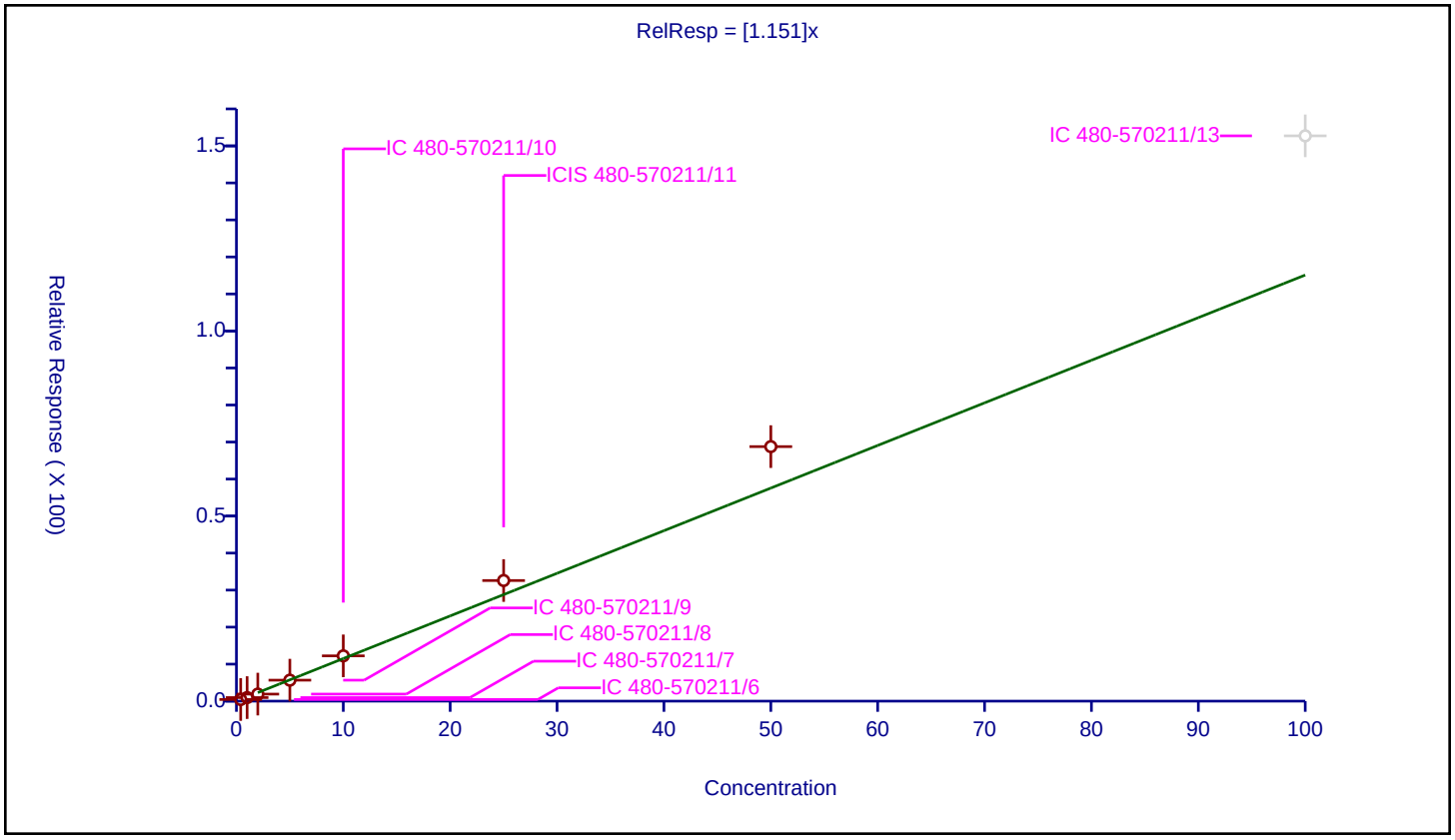
Curve Coefficients

Intercept:	0
Slope:	1.151

Error Coefficients

Standard Error:	203000
Relative Standard Error:	14.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.4423	25.0	152159.0	1.105751	Y
2	IC 480-570211/7	1.0	0.963627	25.0	157945.0	0.963627	Y
3	IC 480-570211/8	2.0	1.906646	25.0	158354.0	0.953323	Y
4	IC 480-570211/9	5.0	5.666468	25.0	154276.0	1.133294	Y
5	IC 480-570211/10	10.0	12.235735	25.0	153019.0	1.223574	Y
6	ICIS 480-570211/11	25.0	32.581355	25.0	151866.0	1.303254	Y
7	IC 480-570211/12	50.0	68.762669	25.0	162802.0	1.375253	Y
8	IC 480-570211/13	100.0	152.718802	25.0	161836.0	1.527188	N



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

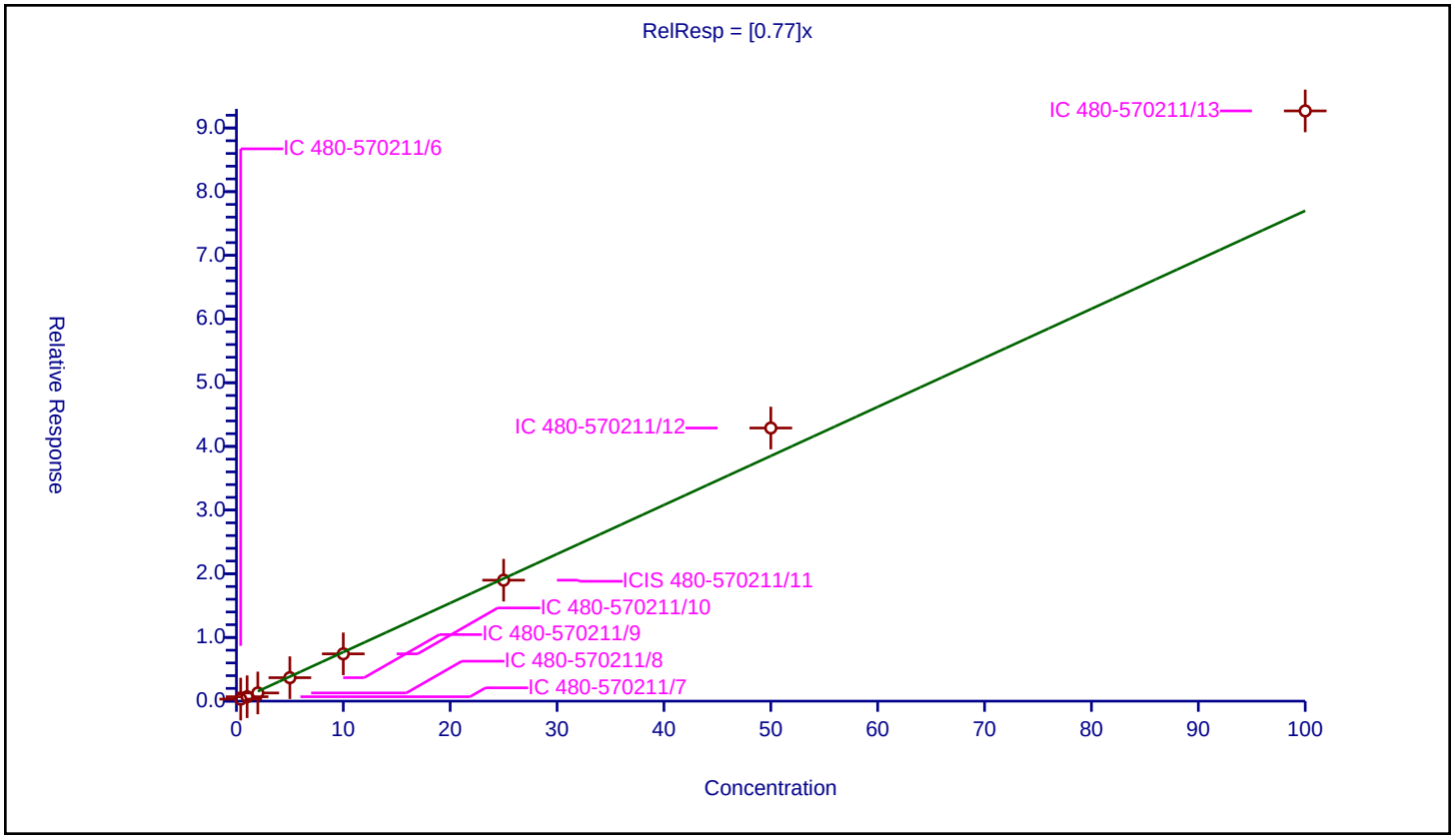
Curve Coefficients

Intercept:	0
Slope:	0.77

Error Coefficients

Standard Error:	255000
Relative Standard Error:	11.8
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.321046	25.0	152159.0	0.802614	Y
2	IC 480-570211/7	1.0	0.691222	25.0	157945.0	0.691222	Y
3	IC 480-570211/8	2.0	1.286043	25.0	158354.0	0.643021	Y
4	IC 480-570211/9	5.0	3.681713	25.0	154276.0	0.736343	Y
5	IC 480-570211/10	10.0	7.427346	25.0	153019.0	0.742735	Y
6	ICIS 480-570211/11	25.0	18.99487	25.0	151866.0	0.759795	Y
7	IC 480-570211/12	50.0	42.88599	25.0	162802.0	0.85772	Y
8	IC 480-570211/13	100.0	92.68287	25.0	161836.0	0.926829	Y



Calibration / cis-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

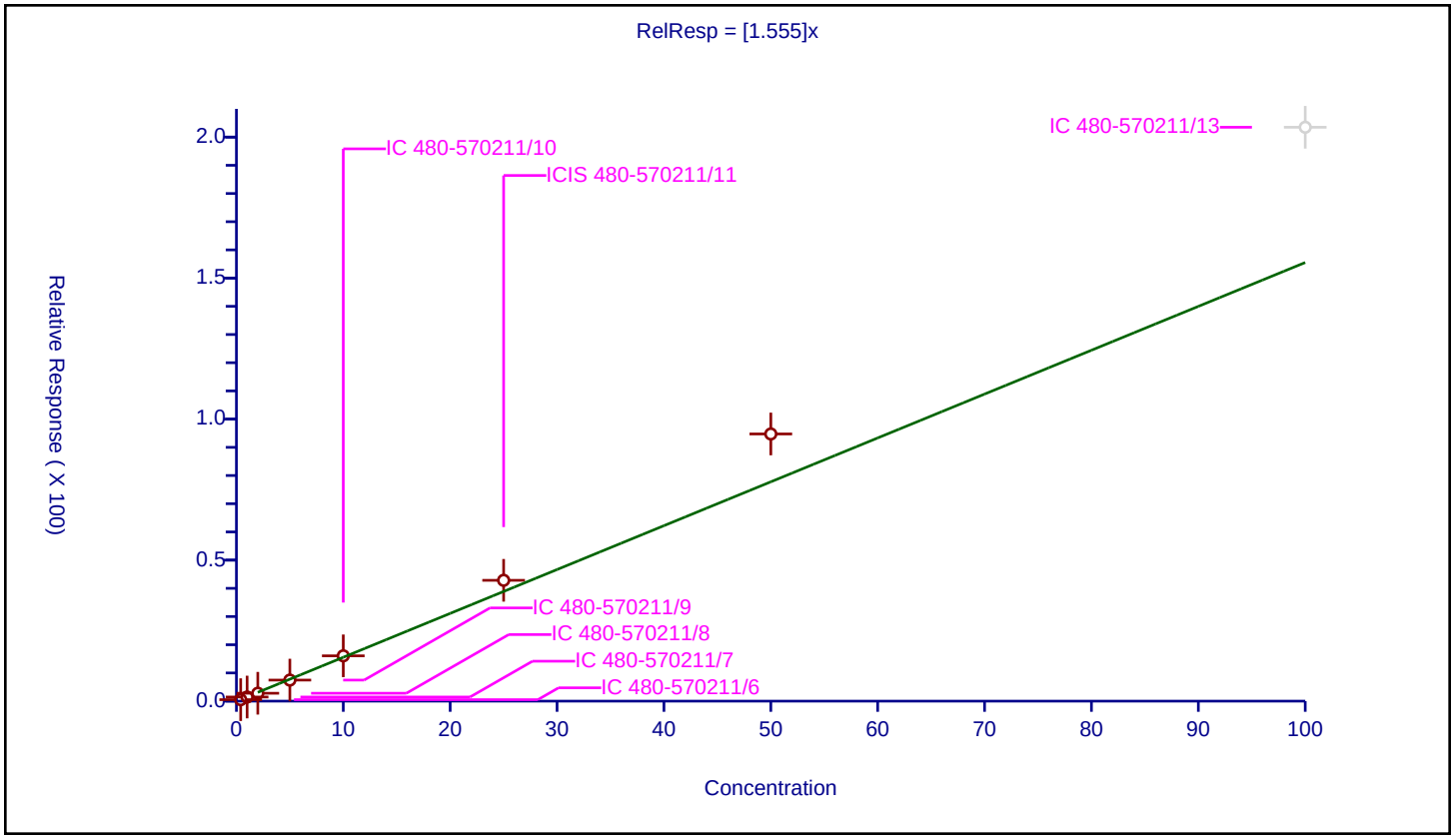
Curve Coefficients

Intercept:	0
Slope:	1.555

Error Coefficients

Standard Error:	277000
Relative Standard Error:	12.8
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.526752	25.0	152159.0	1.316879	Y
2	IC 480-570211/7	1.0	1.462851	25.0	157945.0	1.462851	Y
3	IC 480-570211/8	2.0	2.797372	25.0	158354.0	1.398686	Y
4	IC 480-570211/9	5.0	7.465354	25.0	154276.0	1.493071	Y
5	IC 480-570211/10	10.0	16.071534	25.0	153019.0	1.607153	Y
6	ICIS 480-570211/11	25.0	42.843856	25.0	151866.0	1.713754	Y
7	IC 480-570211/12	50.0	94.733173	25.0	162802.0	1.894663	Y
8	IC 480-570211/13	100.0	203.482538	25.0	161836.0	2.034825	N



Calibration / 4-Methyl-2-pentanone (MIBK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

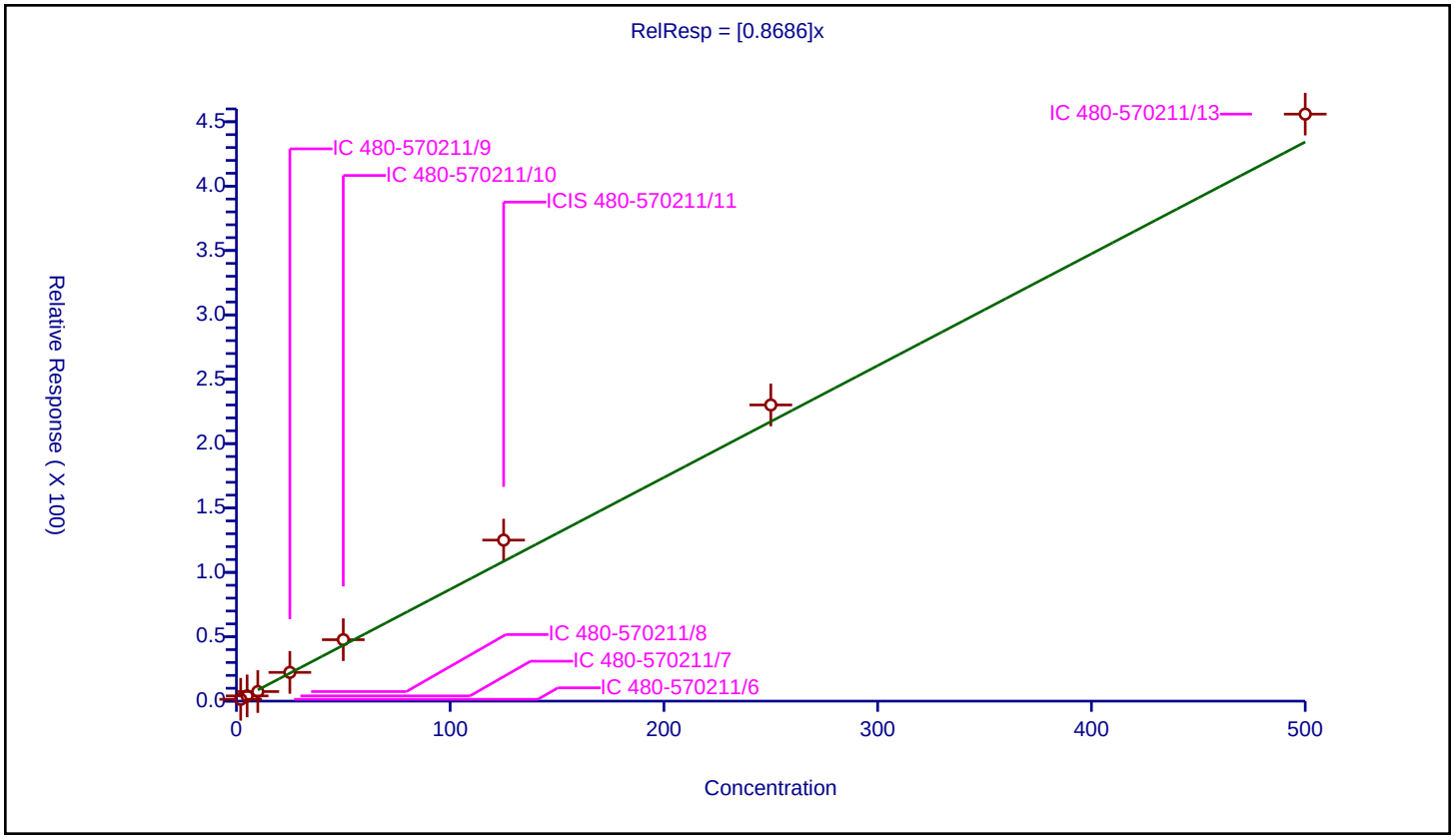
Curve Coefficients

Intercept:	0
Slope:	0.8686

Error Coefficients

Standard Error:	2550000
Relative Standard Error:	11.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	2.0	1.424237	25.0	267968.0	0.712119	Y
2	IC 480-570211/7	5.0	4.06654	25.0	295749.0	0.813308	Y
3	IC 480-570211/8	10.0	7.436073	25.0	289864.0	0.743607	Y
4	IC 480-570211/9	25.0	22.322731	25.0	283227.0	0.892909	Y
5	IC 480-570211/10	50.0	47.714835	25.0	282868.0	0.954297	Y
6	ICIS 480-570211/11	125.0	125.082171	25.0	280816.0	1.000657	Y
7	IC 480-570211/12	250.0	230.055844	25.0	308984.0	0.920223	Y
8	IC 480-570211/13	500.0	455.938809	25.0	325604.0	0.911878	Y



Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

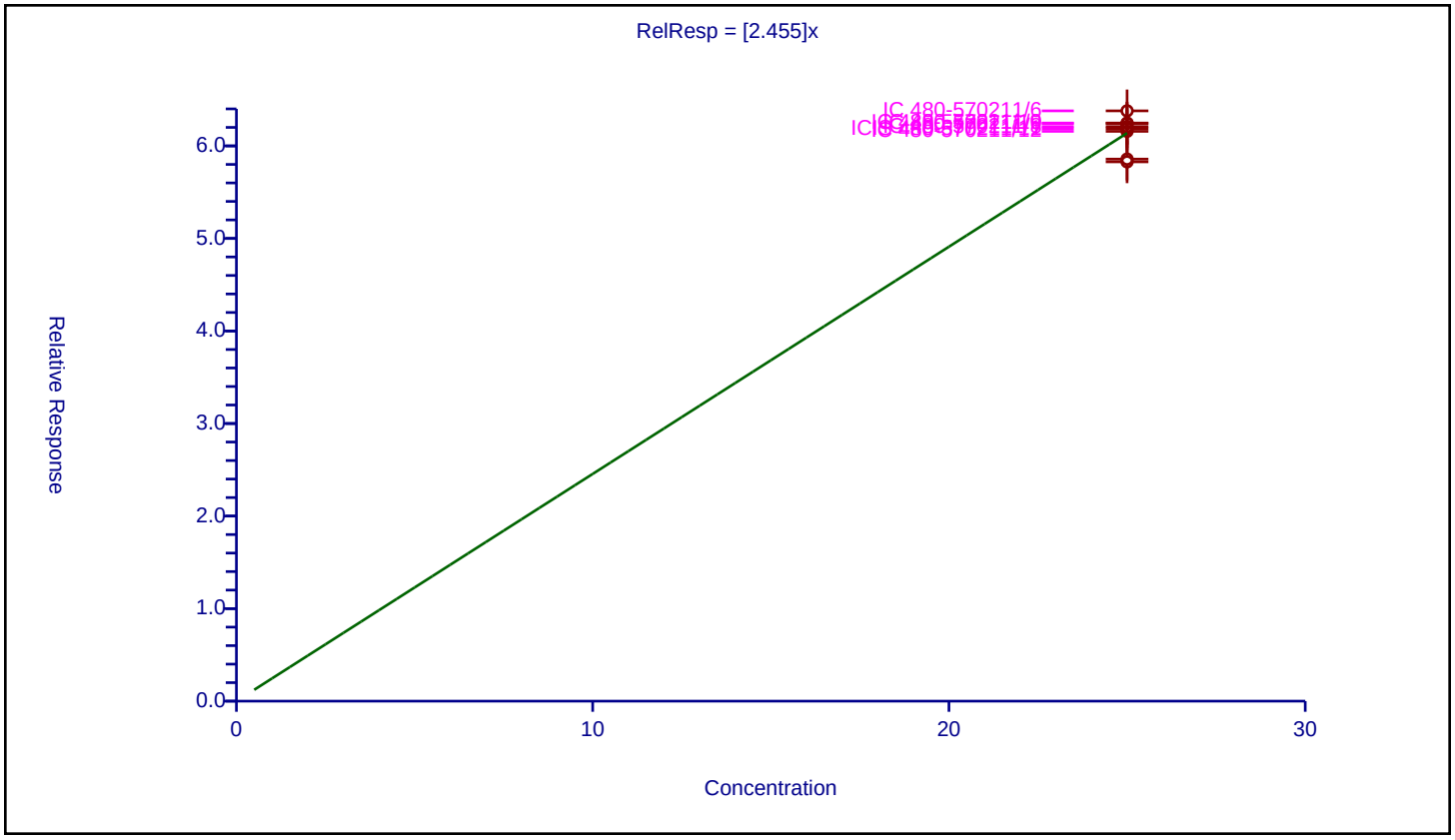
Curve Coefficients

Intercept:	0
Slope:	2.455

Error Coefficients

Standard Error:	766000
Relative Standard Error:	3.2
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	25.0	63.786254	25.0	267968.0	2.55145	Y
2	IC 480-570211/7	25.0	58.279064	25.0	295749.0	2.331163	Y
3	IC 480-570211/8	25.0	62.091791	25.0	289864.0	2.483672	Y
4	IC 480-570211/9	25.0	62.424575	25.0	283227.0	2.496983	Y
5	IC 480-570211/10	25.0	62.471011	25.0	282868.0	2.49884	Y
6	ICIS 480-570211/11	25.0	61.859189	25.0	280816.0	2.474368	Y
7	IC 480-570211/12	25.0	61.57301	25.0	308984.0	2.46292	Y
8	IC 480-570211/13	25.0	58.574373	25.0	325604.0	2.342975	Y



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

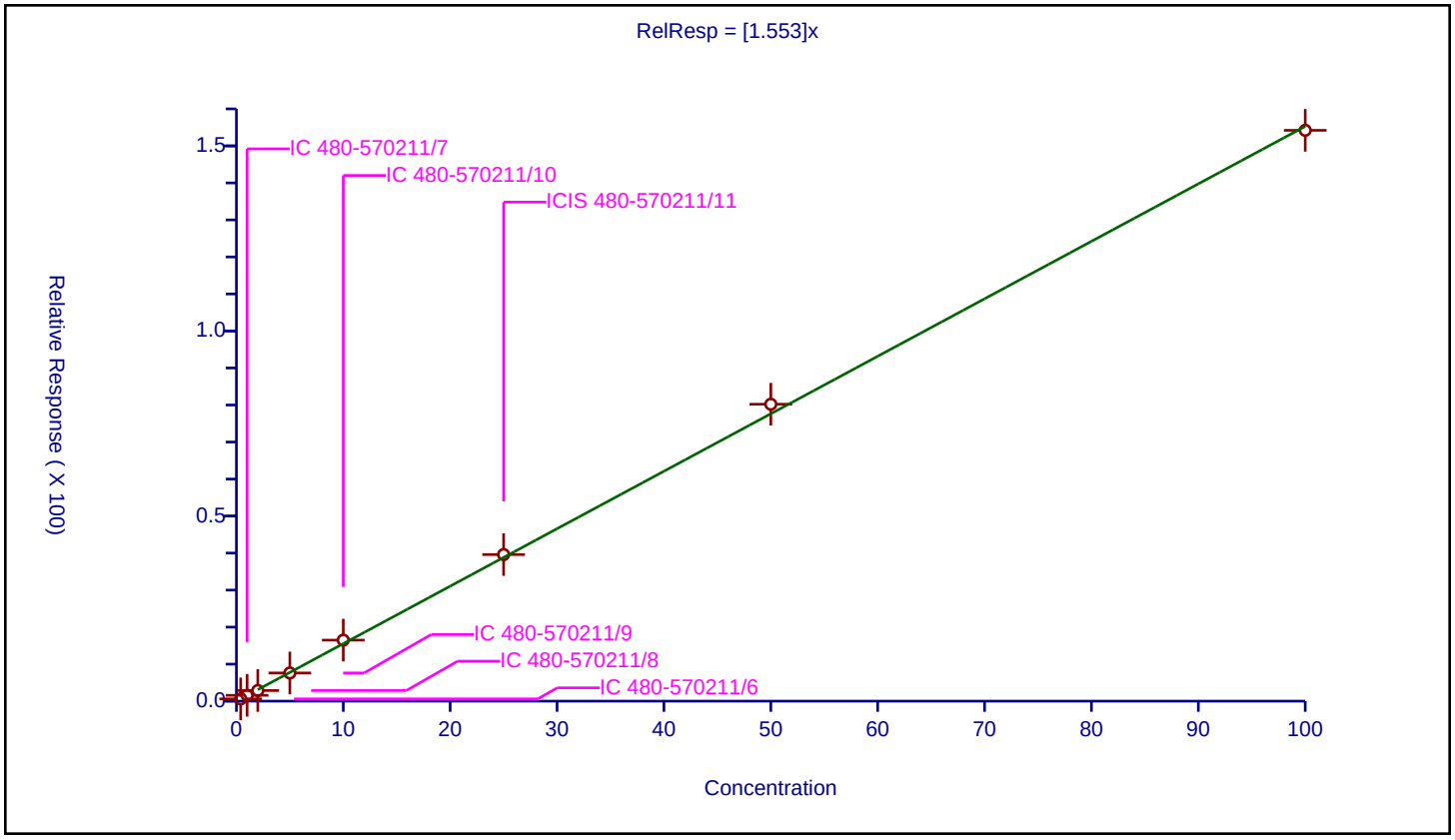
Curve Coefficients

Intercept:	0
Slope:	1.553

Error Coefficients

Standard Error:	867000
Relative Standard Error:	4.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.607349	25.0	267968.0	1.518372	Y
2	IC 480-570211/7	1.0	1.569405	25.0	295749.0	1.569405	Y
3	IC 480-570211/8	2.0	2.867897	25.0	289864.0	1.433948	Y
4	IC 480-570211/9	5.0	7.609267	25.0	283227.0	1.521853	Y
5	IC 480-570211/10	10.0	16.482335	25.0	282868.0	1.648233	Y
6	ICIS 480-570211/11	25.0	39.598438	25.0	280816.0	1.583938	Y
7	IC 480-570211/12	50.0	80.214105	25.0	308984.0	1.604282	Y
8	IC 480-570211/13	100.0	154.207872	25.0	325604.0	1.542079	Y



Calibration / trans-1,3-Dichloropropene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

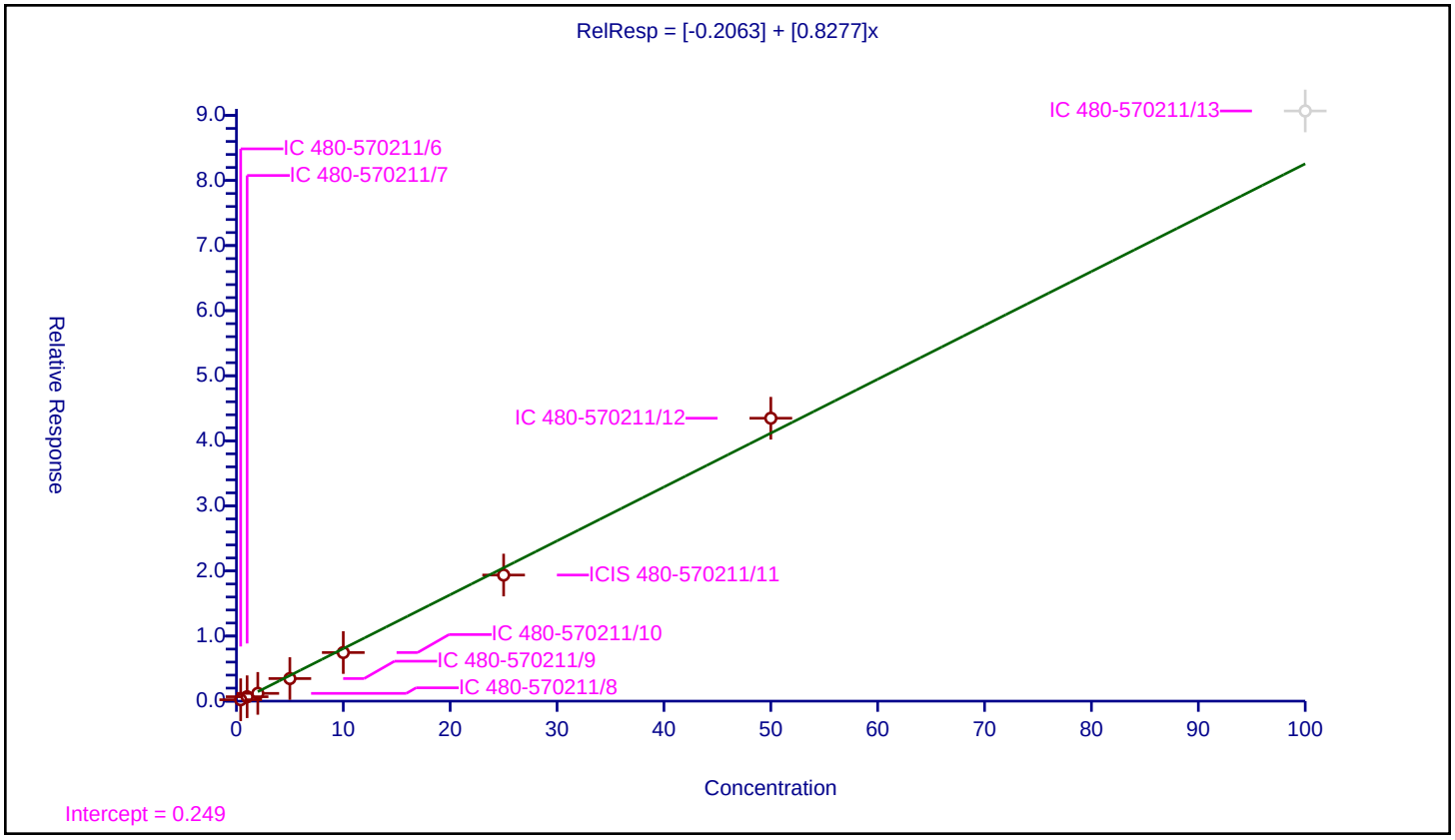
Curve Coefficients

Intercept:	-0.2063
Slope:	0.8277

Error Coefficients

Standard Error:	263000
Relative Standard Error:	15.8
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.214485	25.0	267968.0	0.536211	Y
2	IC 480-570211/7	1.0	0.676503	25.0	295749.0	0.676503	Y
3	IC 480-570211/8	2.0	1.194526	25.0	289864.0	0.597263	Y
4	IC 480-570211/9	5.0	3.468066	25.0	283227.0	0.693613	Y
5	IC 480-570211/10	10.0	7.466557	25.0	282868.0	0.746656	Y
6	ICIS 480-570211/11	25.0	19.37443	25.0	280816.0	0.774977	Y
7	IC 480-570211/12	50.0	43.469888	25.0	308984.0	0.869398	Y
8	IC 480-570211/13	100.0	90.682317	25.0	325604.0	0.906823	N



Calibration / Ethyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

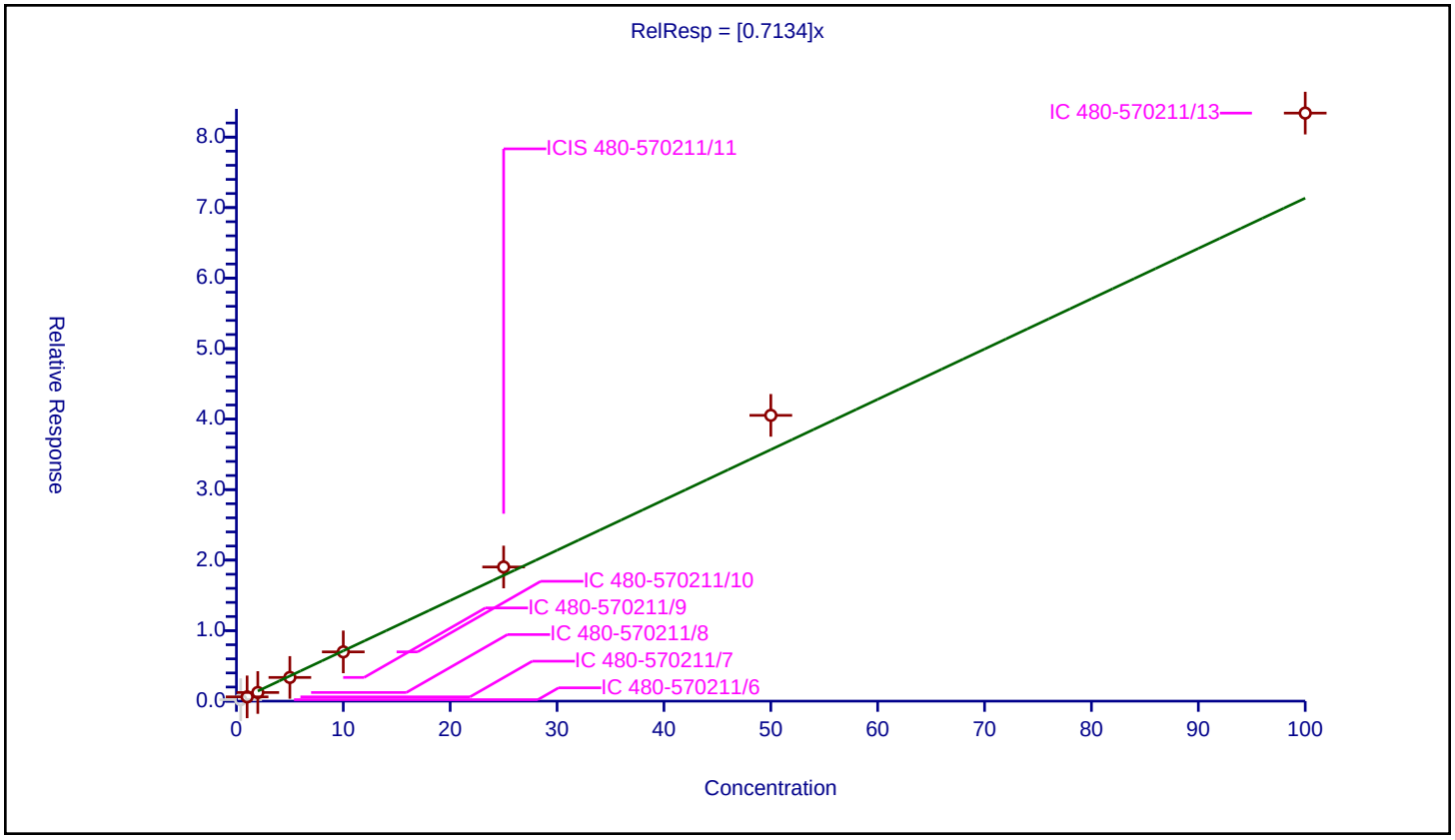
Curve Coefficients

Intercept:	0
Slope:	0.7134

Error Coefficients

Standard Error:	497000
Relative Standard Error:	12.8
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.208327	25.0	267968.0	0.520818	N
2	IC 480-570211/7	1.0	0.604905	25.0	295749.0	0.604905	Y
3	IC 480-570211/8	2.0	1.224971	25.0	289864.0	0.612486	Y
4	IC 480-570211/9	5.0	3.361085	25.0	283227.0	0.672217	Y
5	IC 480-570211/10	10.0	6.98559	25.0	282868.0	0.698559	Y
6	ICIS 480-570211/11	25.0	19.024913	25.0	280816.0	0.760997	Y
7	IC 480-570211/12	50.0	40.535999	25.0	308984.0	0.81072	Y
8	IC 480-570211/13	100.0	83.401693	25.0	325604.0	0.834017	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

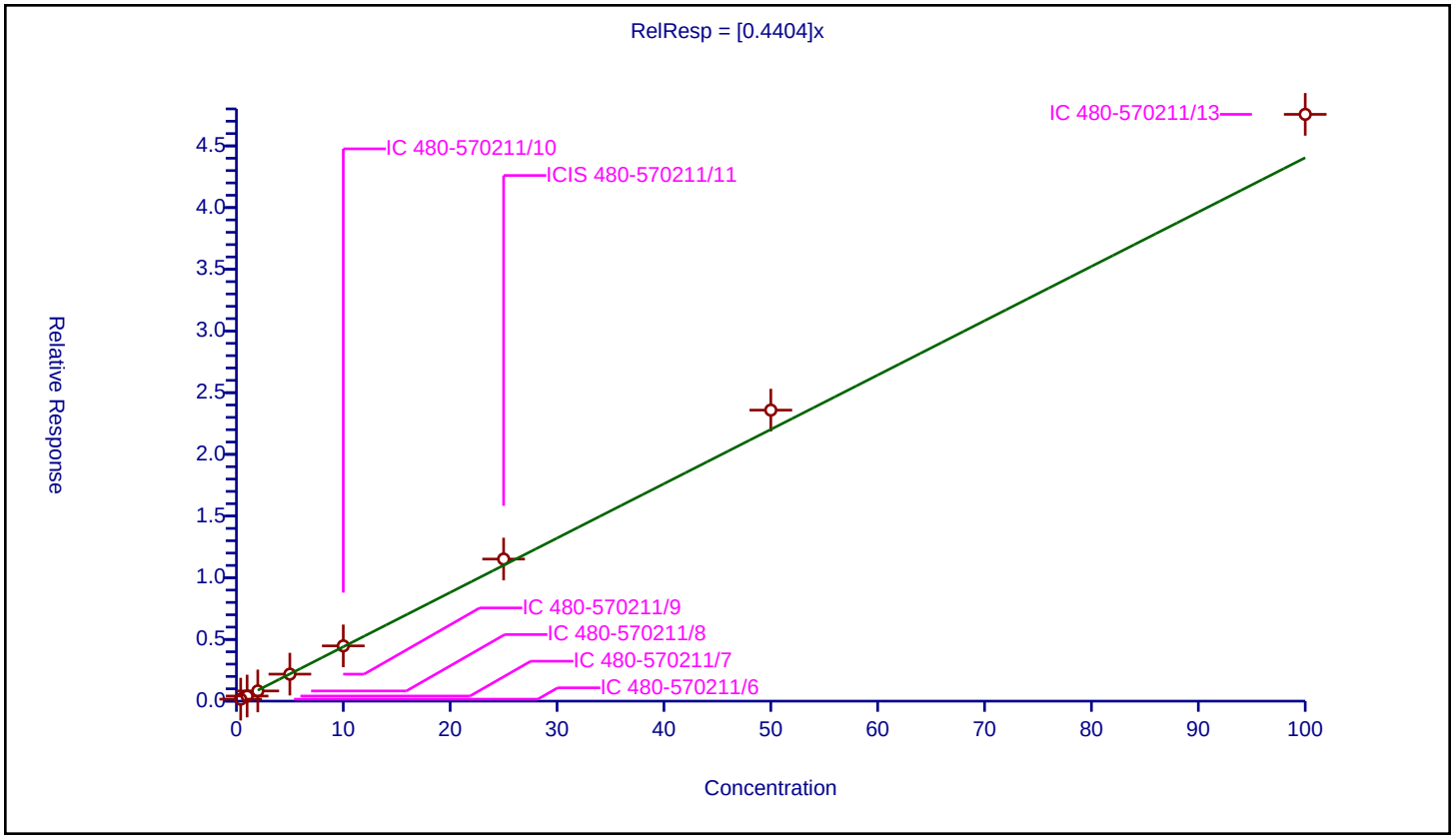
Curve Coefficients

Intercept:	0
Slope:	0.4404

Error Coefficients

Standard Error:	264000
Relative Standard Error:	6.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.161586	25.0	267968.0	0.403966	Y
2	IC 480-570211/7	1.0	0.413357	25.0	295749.0	0.413357	Y
3	IC 480-570211/8	2.0	0.825991	25.0	289864.0	0.412995	Y
4	IC 480-570211/9	5.0	2.186762	25.0	283227.0	0.437352	Y
5	IC 480-570211/10	10.0	4.47806	25.0	282868.0	0.447806	Y
6	ICIS 480-570211/11	25.0	11.51528	25.0	280816.0	0.460611	Y
7	IC 480-570211/12	50.0	23.586415	25.0	308984.0	0.471728	Y
8	IC 480-570211/13	100.0	47.557693	25.0	325604.0	0.475577	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

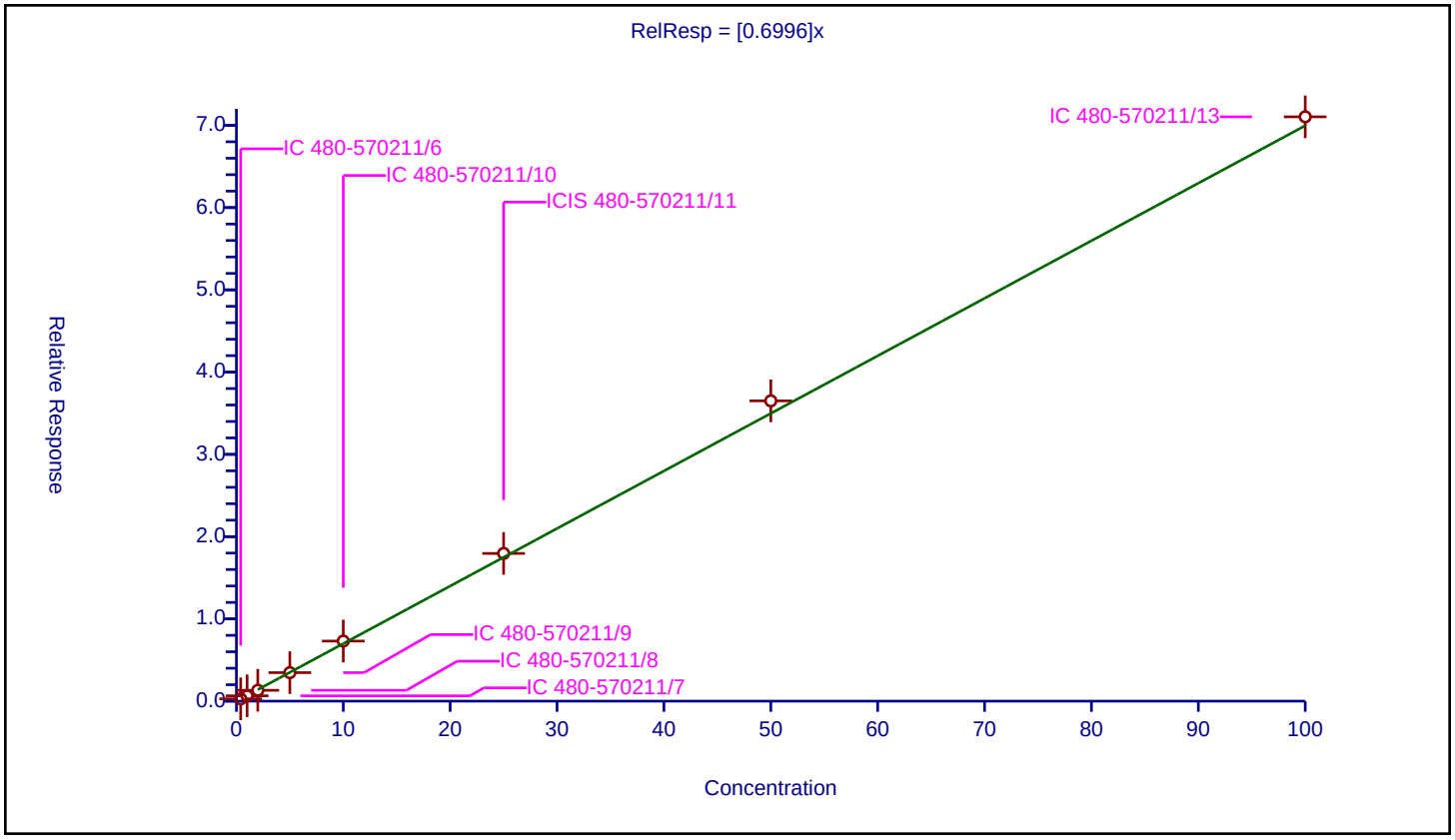
Curve Coefficients

Intercept:	0
Slope:	0.6996

Error Coefficients

Standard Error:	398000
Relative Standard Error:	4.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.282683	25.0	267968.0	0.706708	Y
2	IC 480-570211/7	1.0	0.648438	25.0	295749.0	0.648438	Y
3	IC 480-570211/8	2.0	1.319153	25.0	289864.0	0.659577	Y
4	IC 480-570211/9	5.0	3.465683	25.0	283227.0	0.693137	Y
5	IC 480-570211/10	10.0	7.302523	25.0	282868.0	0.730252	Y
6	ICIS 480-570211/11	25.0	17.957132	25.0	280816.0	0.718285	Y
7	IC 480-570211/12	50.0	36.507392	25.0	308984.0	0.730148	Y
8	IC 480-570211/13	100.0	71.035138	25.0	325604.0	0.710351	Y



Calibration / 1,3-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

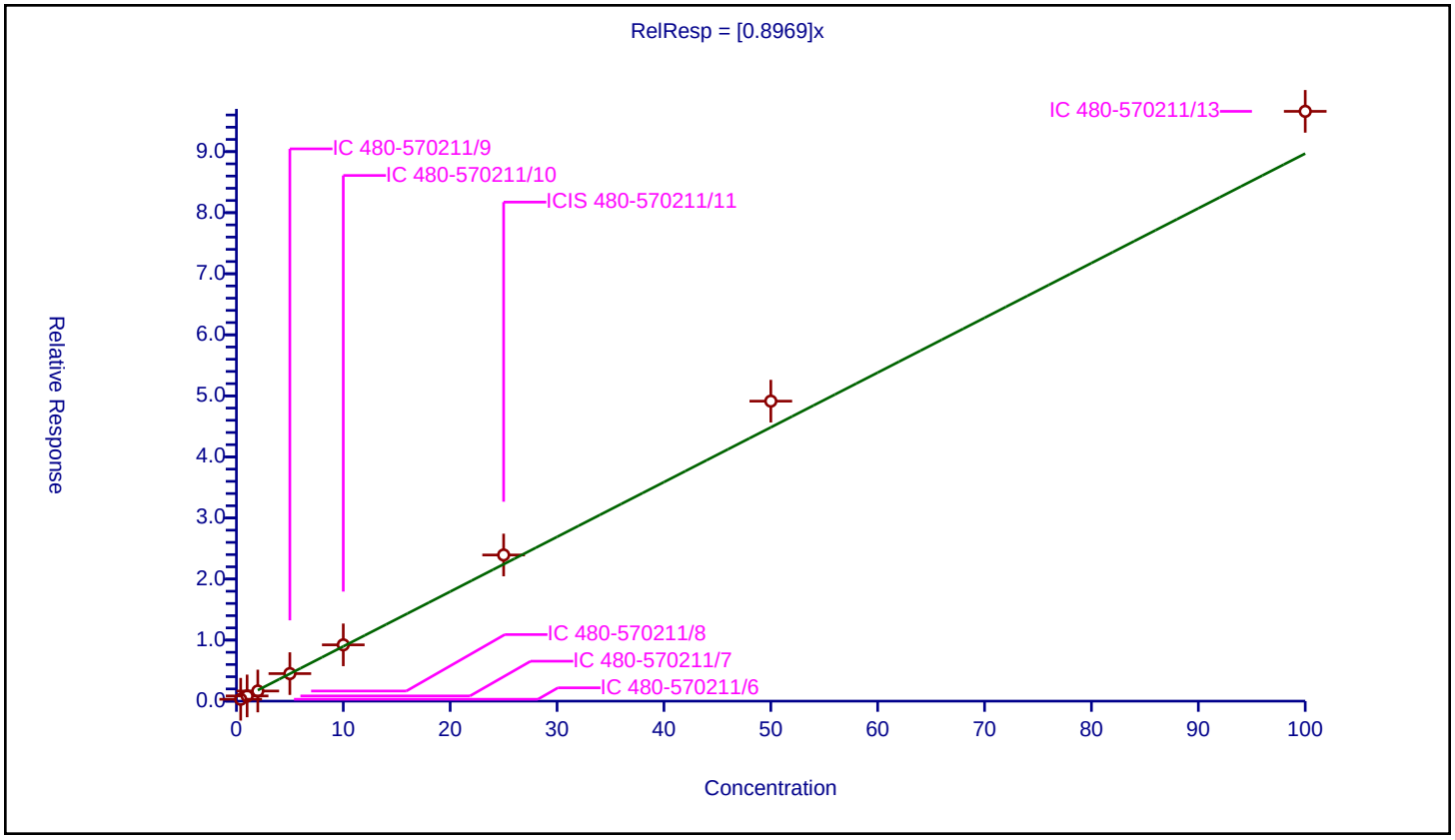
Curve Coefficients

Intercept:	0
Slope:	0.8969

Error Coefficients

Standard Error:	540000
Relative Standard Error:	8.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.305447	25.0	267968.0	0.763617	Y
2	IC 480-570211/7	1.0	0.85182	25.0	295749.0	0.85182	Y
3	IC 480-570211/8	2.0	1.659399	25.0	289864.0	0.829699	Y
4	IC 480-570211/9	5.0	4.507603	25.0	283227.0	0.901521	Y
5	IC 480-570211/10	10.0	9.220113	25.0	282868.0	0.922011	Y
6	ICIS 480-570211/11	25.0	23.937204	25.0	280816.0	0.957488	Y
7	IC 480-570211/12	50.0	49.135149	25.0	308984.0	0.982703	Y
8	IC 480-570211/13	100.0	96.598475	25.0	325604.0	0.965985	Y



Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

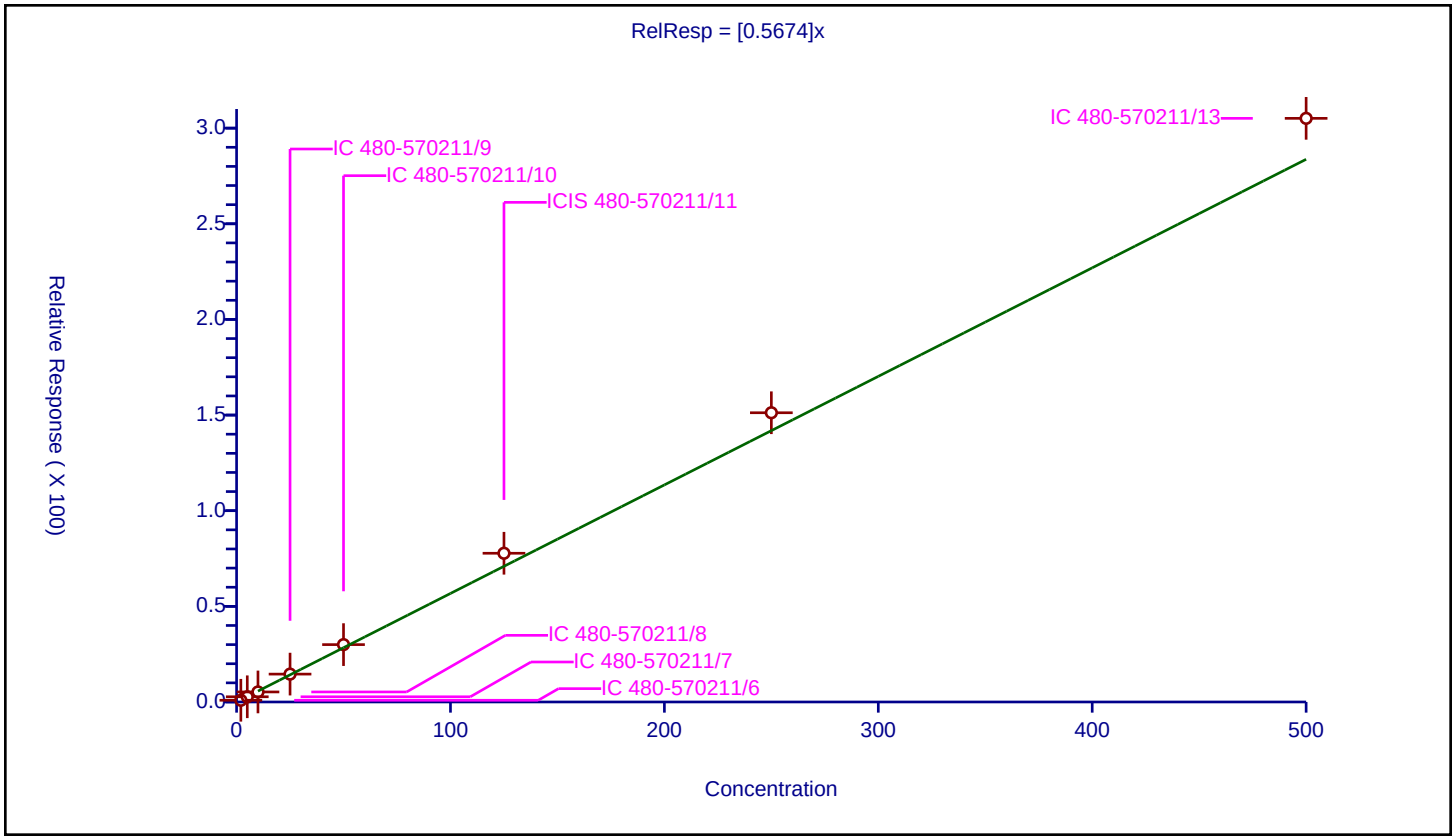
Curve Coefficients

Intercept:	0
Slope:	0.5674

Error Coefficients

Standard Error:	1700000
Relative Standard Error:	10.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	2.0	0.900574	25.0	267968.0	0.450287	Y
2	IC 480-570211/7	5.0	2.719029	25.0	295749.0	0.543806	Y
3	IC 480-570211/8	10.0	5.252636	25.0	289864.0	0.525264	Y
4	IC 480-570211/9	25.0	14.573293	25.0	283227.0	0.582932	Y
5	IC 480-570211/10	50.0	29.9965	25.0	282868.0	0.59993	Y
6	ICIS 480-570211/11	125.0	77.756431	25.0	280816.0	0.622051	Y
7	IC 480-570211/12	250.0	151.215759	25.0	308984.0	0.604863	Y
8	IC 480-570211/13	500.0	305.121328	25.0	325604.0	0.610243	Y



Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

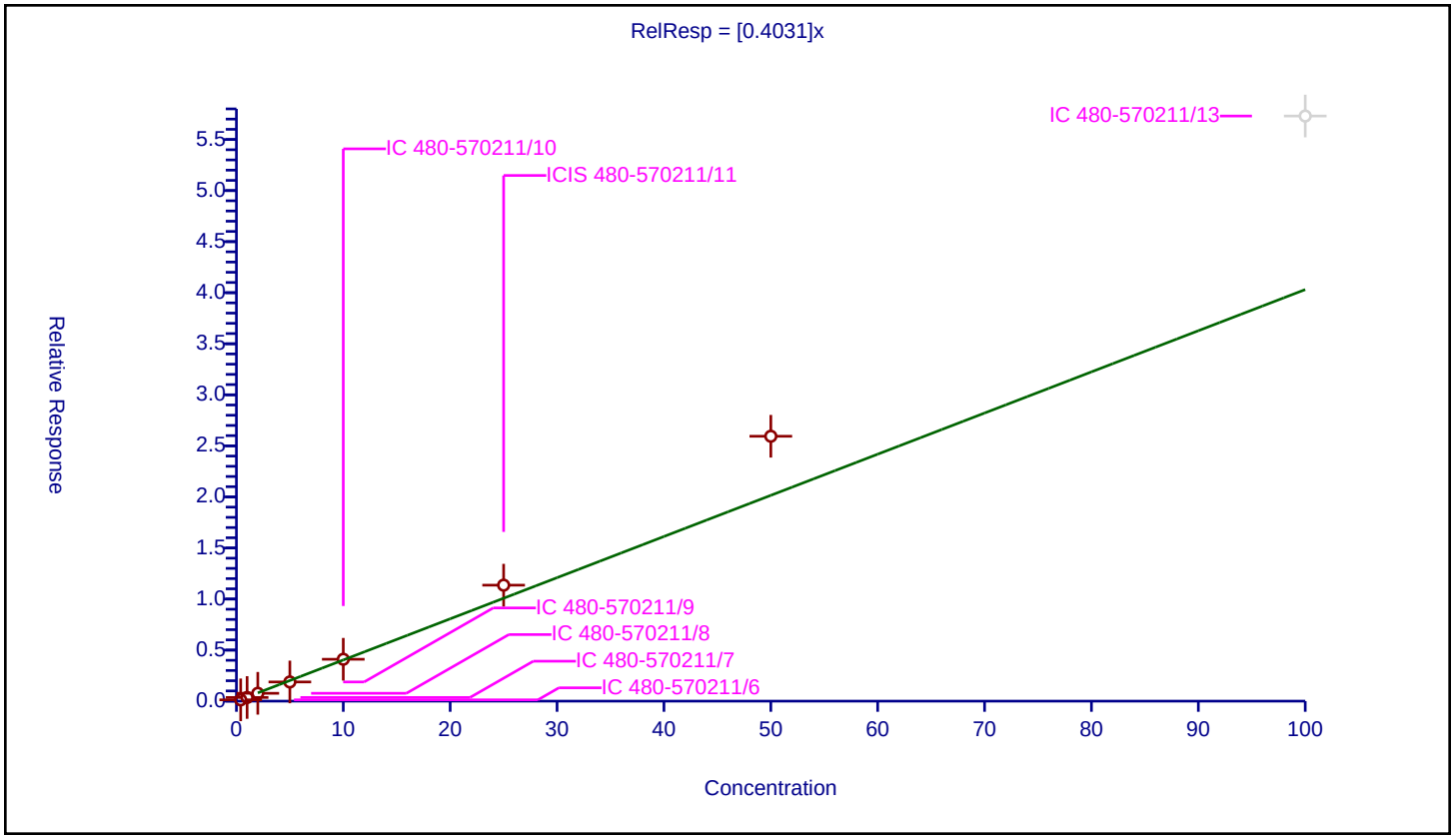
Curve Coefficients

Intercept:	0
Slope:	0.4031

Error Coefficients

Standard Error:	142000
Relative Standard Error:	16.4
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.970

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.127254	25.0	267968.0	0.318135	Y
2	IC 480-570211/7	1.0	0.359765	25.0	295749.0	0.359765	Y
3	IC 480-570211/8	2.0	0.768636	25.0	289864.0	0.384318	Y
4	IC 480-570211/9	5.0	1.879411	25.0	283227.0	0.375882	Y
5	IC 480-570211/10	10.0	4.101736	25.0	282868.0	0.410174	Y
6	ICIS 480-570211/11	25.0	11.35717	25.0	280816.0	0.454287	Y
7	IC 480-570211/12	50.0	25.940259	25.0	308984.0	0.518805	Y
8	IC 480-570211/13	100.0	57.301277	25.0	325604.0	0.573013	N



Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

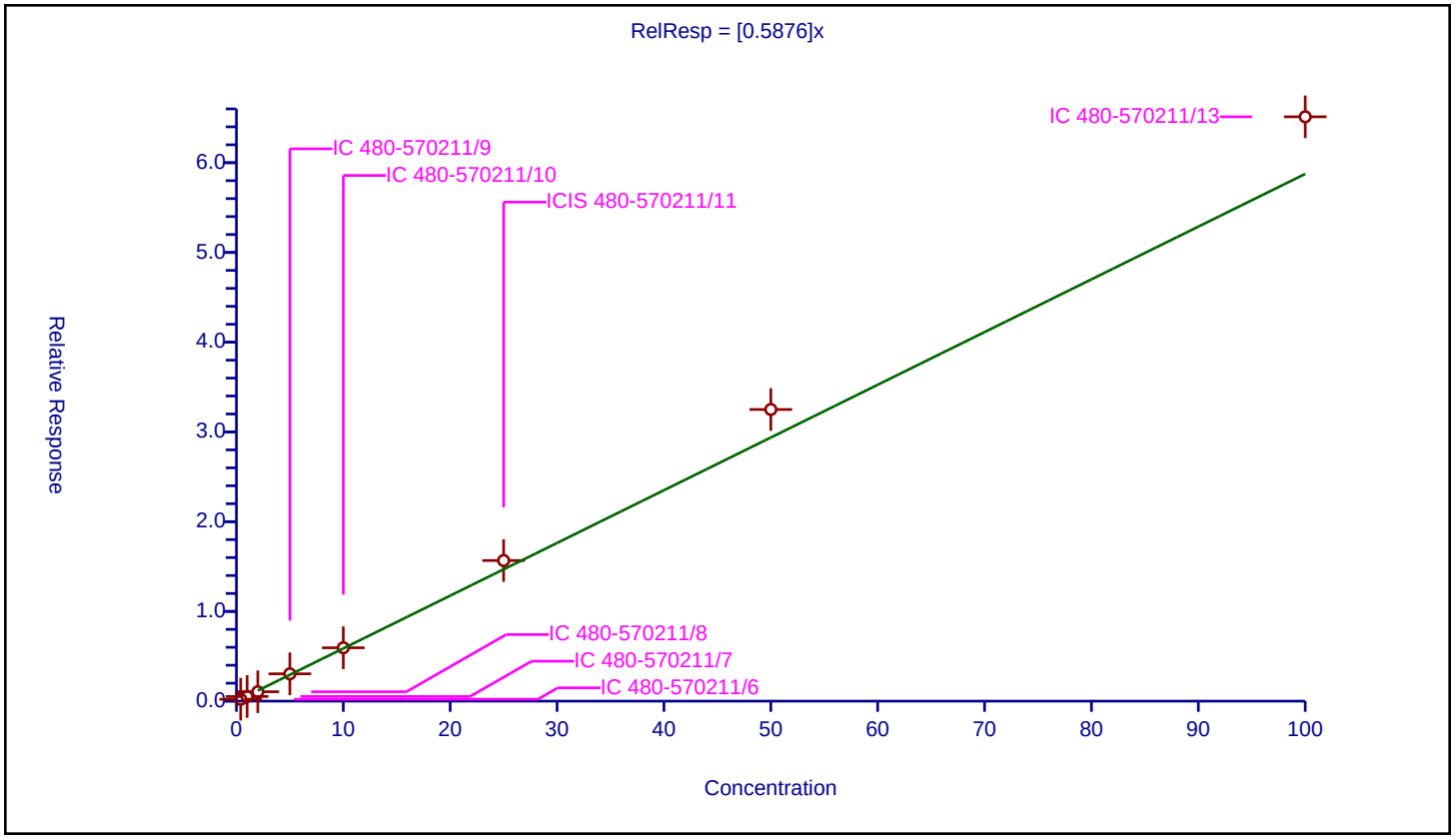
Curve Coefficients

Intercept:	0
Slope:	0.5876

Error Coefficients

Standard Error:	362000
Relative Standard Error:	9.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.210659	25.0	267968.0	0.526649	Y
2	IC 480-570211/7	1.0	0.518599	25.0	295749.0	0.518599	Y
3	IC 480-570211/8	2.0	1.047043	25.0	289864.0	0.523521	Y
4	IC 480-570211/9	5.0	3.044554	25.0	283227.0	0.608911	Y
5	IC 480-570211/10	10.0	5.947385	25.0	282868.0	0.594739	Y
6	ICIS 480-570211/11	25.0	15.669246	25.0	280816.0	0.62677	Y
7	IC 480-570211/12	50.0	32.501926	25.0	308984.0	0.650039	Y
8	IC 480-570211/13	100.0	65.117674	25.0	325604.0	0.651177	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

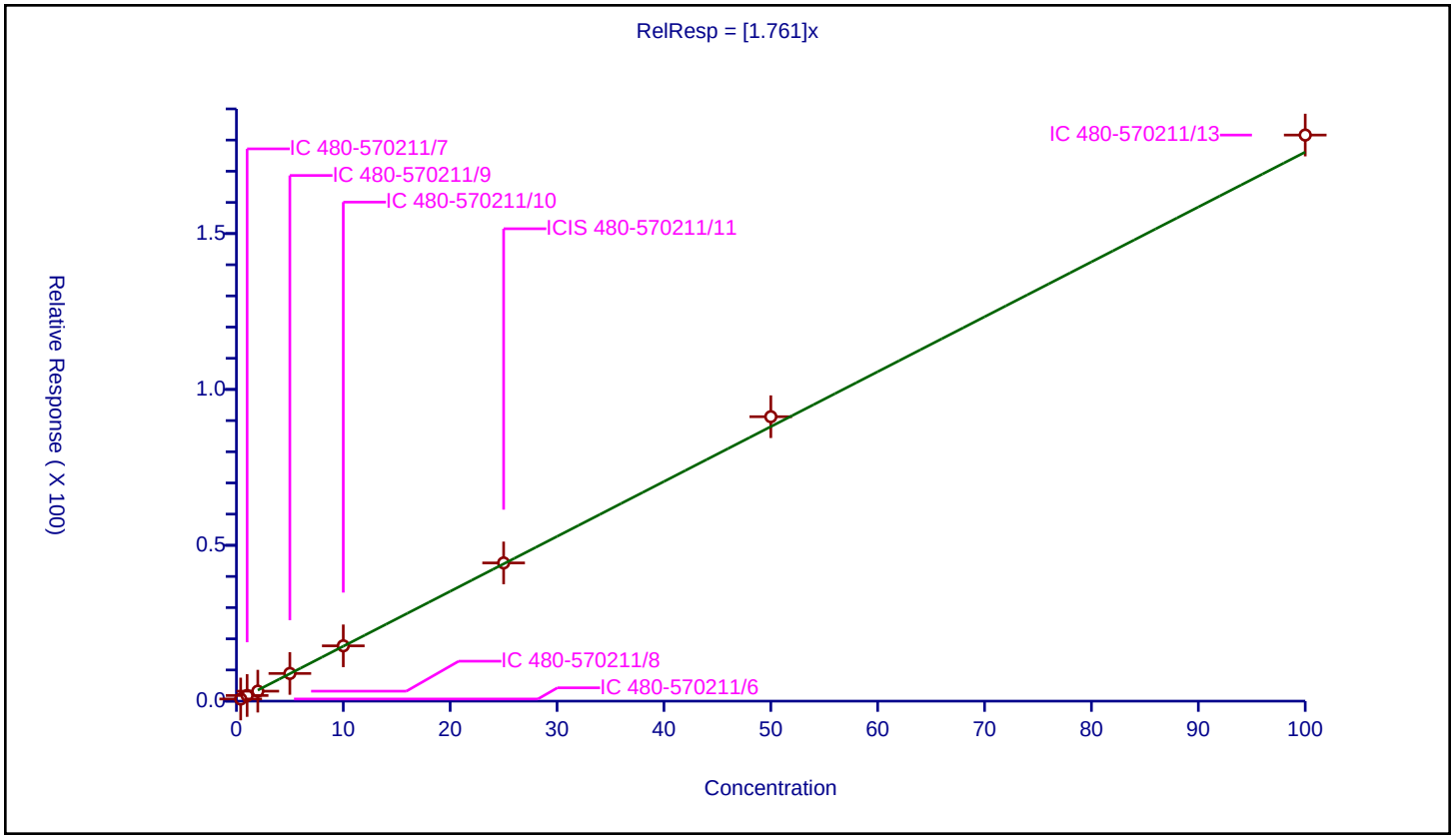
Curve Coefficients

Intercept:	0
Slope:	1.761

Error Coefficients

Standard Error:	1010000
Relative Standard Error:	4.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.688049	25.0	267968.0	1.720121	Y
2	IC 480-570211/7	1.0	1.805332	25.0	295749.0	1.805332	Y
3	IC 480-570211/8	2.0	3.198396	25.0	289864.0	1.599198	Y
4	IC 480-570211/9	5.0	8.884128	25.0	283227.0	1.776826	Y
5	IC 480-570211/10	10.0	17.746528	25.0	282868.0	1.774653	Y
6	ICIS 480-570211/11	25.0	44.345319	25.0	280816.0	1.773813	Y
7	IC 480-570211/12	50.0	91.252217	25.0	308984.0	1.825044	Y
8	IC 480-570211/13	100.0	181.613248	25.0	325604.0	1.816132	Y



Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

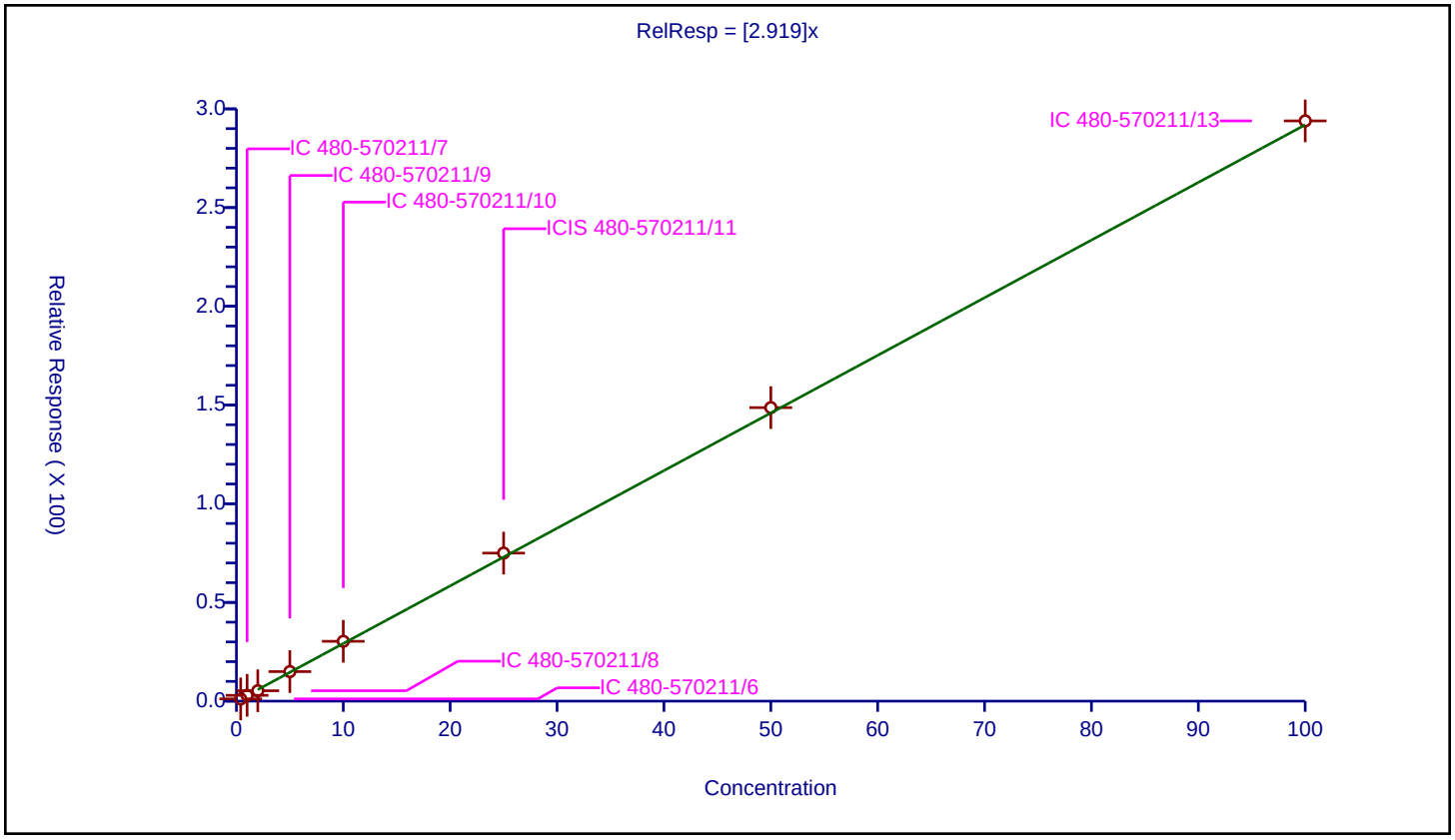
Curve Coefficients

Intercept:	0
Slope:	2.919

Error Coefficients

Standard Error:	1640000
Relative Standard Error:	4.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	1.133158	25.0	267968.0	2.832894	Y
2	IC 480-570211/7	1.0	2.948784	25.0	295749.0	2.948784	Y
3	IC 480-570211/8	2.0	5.272214	25.0	289864.0	2.636107	Y
4	IC 480-570211/9	5.0	14.963881	25.0	283227.0	2.992776	Y
5	IC 480-570211/10	10.0	30.312018	25.0	282868.0	3.031202	Y
6	ICIS 480-570211/11	25.0	74.985311	25.0	280816.0	2.999412	Y
7	IC 480-570211/12	50.0	148.679948	25.0	308984.0	2.973599	Y
8	IC 480-570211/13	100.0	293.917688	25.0	325604.0	2.939177	Y



Calibration / 1,1,1,2-Tetrachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

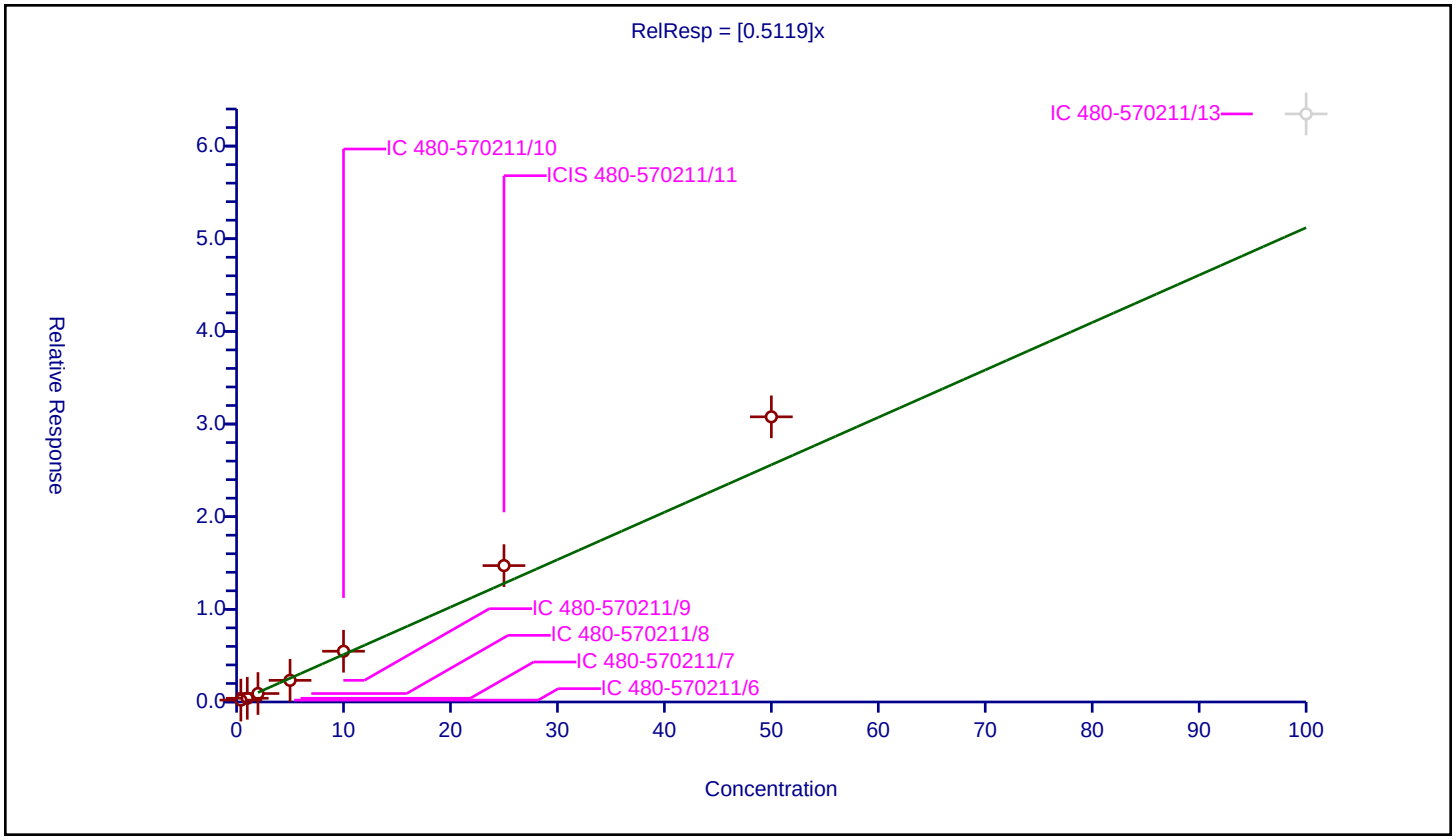
Curve Coefficients

Intercept:	0
Slope:	0.5119

Error Coefficients

Standard Error:	172000
Relative Standard Error:	15.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.973

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.202636	25.0	267968.0	0.50659	Y
2	IC 480-570211/7	1.0	0.400424	25.0	295749.0	0.400424	Y
3	IC 480-570211/8	2.0	0.914136	25.0	289864.0	0.457068	Y
4	IC 480-570211/9	5.0	2.335318	25.0	283227.0	0.467064	Y
5	IC 480-570211/10	10.0	5.479853	25.0	282868.0	0.547985	Y
6	ICIS 480-570211/11	25.0	14.720582	25.0	280816.0	0.588823	Y
7	IC 480-570211/12	50.0	30.778859	25.0	308984.0	0.615577	Y
8	IC 480-570211/13	100.0	63.469122	25.0	325604.0	0.634691	N



Calibration / m-Xylene & p-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

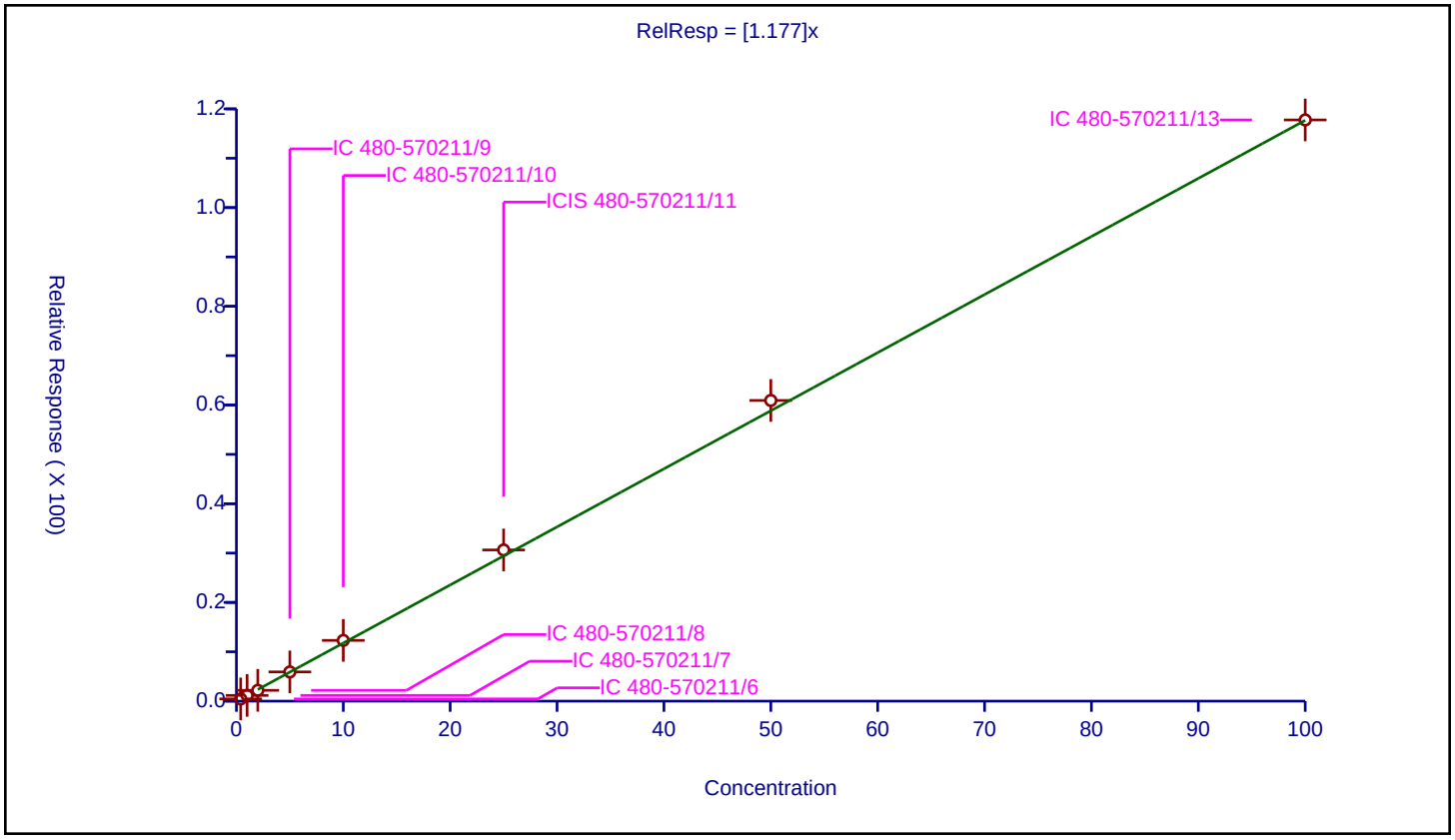
Curve Coefficients

Intercept:	0
Slope:	1.177

Error Coefficients

Standard Error:	661000
Relative Standard Error:	4.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.4508	25.0	267968.0	1.127	Y
2	IC 480-570211/7	1.0	1.157062	25.0	295749.0	1.157062	Y
3	IC 480-570211/8	2.0	2.186974	25.0	289864.0	1.093487	Y
4	IC 480-570211/9	5.0	5.924488	25.0	283227.0	1.184898	Y
5	IC 480-570211/10	10.0	12.307949	25.0	282868.0	1.230795	Y
6	ICIS 480-570211/11	25.0	30.633849	25.0	280816.0	1.225354	Y
7	IC 480-570211/12	50.0	60.924757	25.0	308984.0	1.218495	Y
8	IC 480-570211/13	100.0	117.759994	25.0	325604.0	1.1776	Y



Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

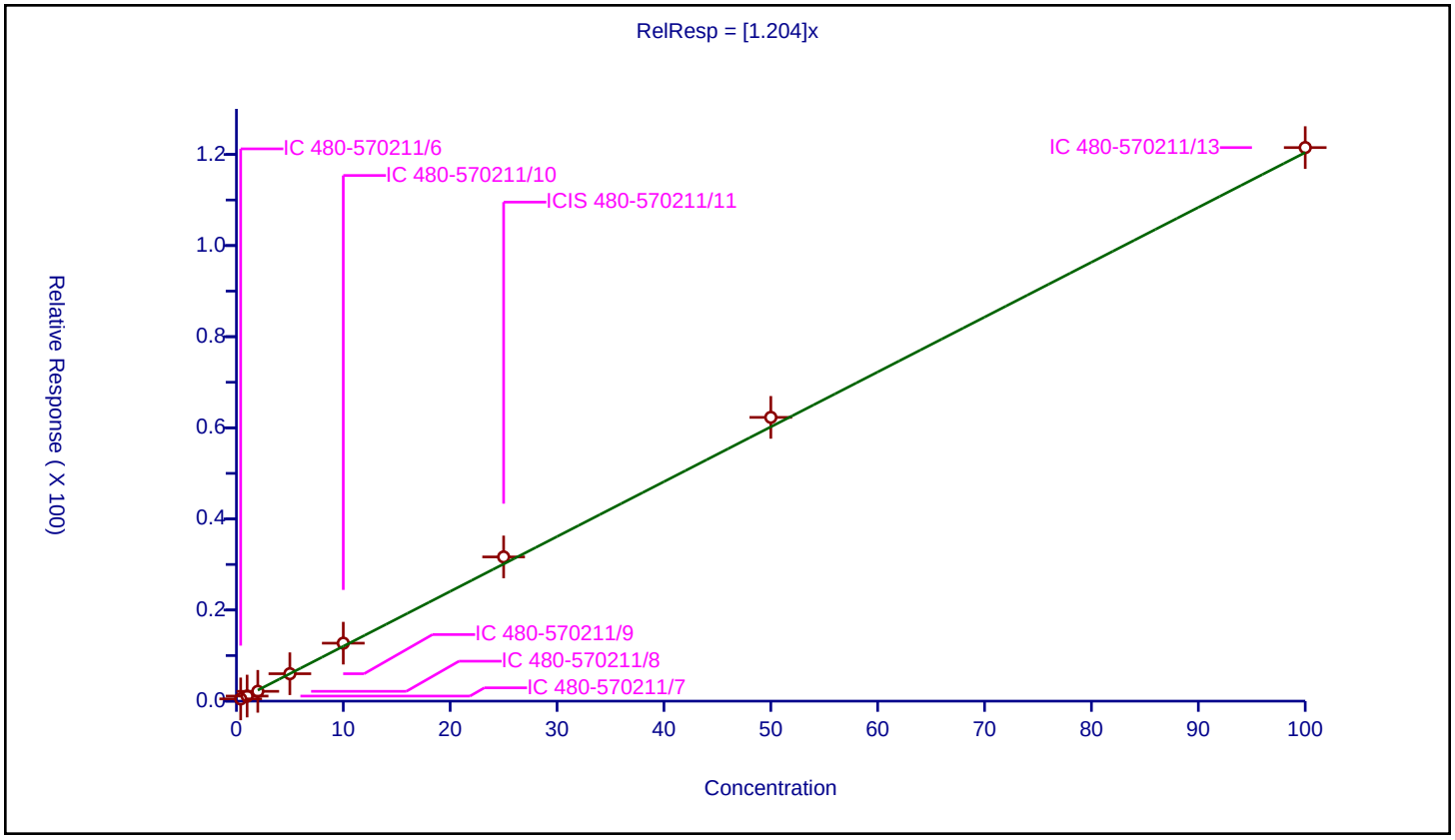
Curve Coefficients

Intercept:	0
Slope:	1.204

Error Coefficients

Standard Error:	681000
Relative Standard Error:	5.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.494742	25.0	267968.0	1.236855	Y
2	IC 480-570211/7	1.0	1.116234	25.0	295749.0	1.116234	Y
3	IC 480-570211/8	2.0	2.15627	25.0	289864.0	1.078135	Y
4	IC 480-570211/9	5.0	6.016905	25.0	283227.0	1.203381	Y
5	IC 480-570211/10	10.0	12.721747	25.0	282868.0	1.272175	Y
6	ICIS 480-570211/11	25.0	31.651687	25.0	280816.0	1.266067	Y
7	IC 480-570211/12	50.0	62.288339	25.0	308984.0	1.245767	Y
8	IC 480-570211/13	100.0	121.503959	25.0	325604.0	1.21504	Y



Calibration / Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

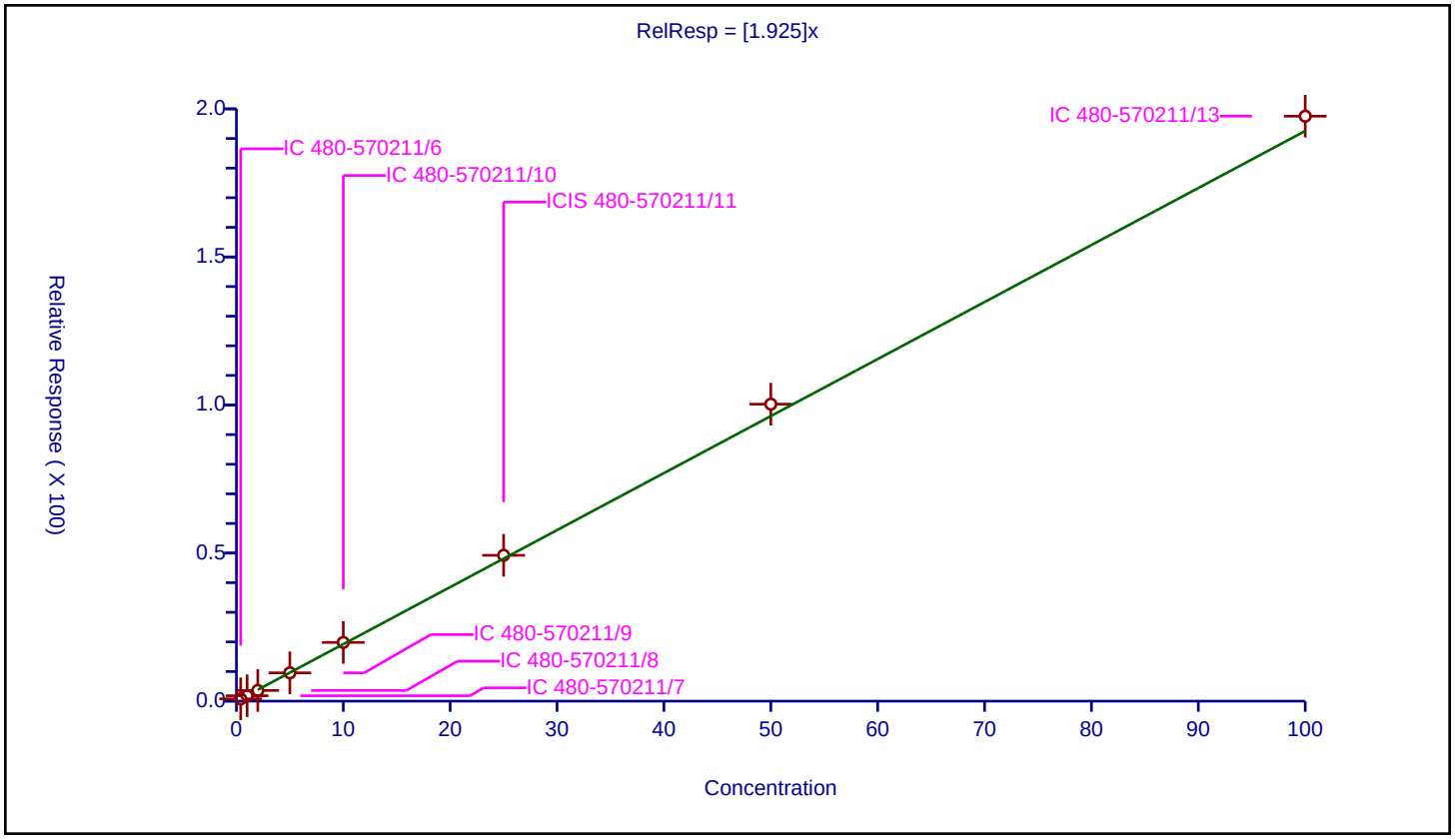
Curve Coefficients

Intercept:	0
Slope:	1.925

Error Coefficients

Standard Error:	1100000
Relative Standard Error:	3.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.771547	25.0	267968.0	1.928868	Y
2	IC 480-570211/7	1.0	1.821392	25.0	295749.0	1.821392	Y
3	IC 480-570211/8	2.0	3.612384	25.0	289864.0	1.806192	Y
4	IC 480-570211/9	5.0	9.559382	25.0	283227.0	1.911876	Y
5	IC 480-570211/10	10.0	19.830363	25.0	282868.0	1.983036	Y
6	ICIS 480-570211/11	25.0	49.252179	25.0	280816.0	1.970087	Y
7	IC 480-570211/12	50.0	100.294352	25.0	308984.0	2.005887	Y
8	IC 480-570211/13	100.0	197.534121	25.0	325604.0	1.975341	Y



Calibration / Bromoform

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

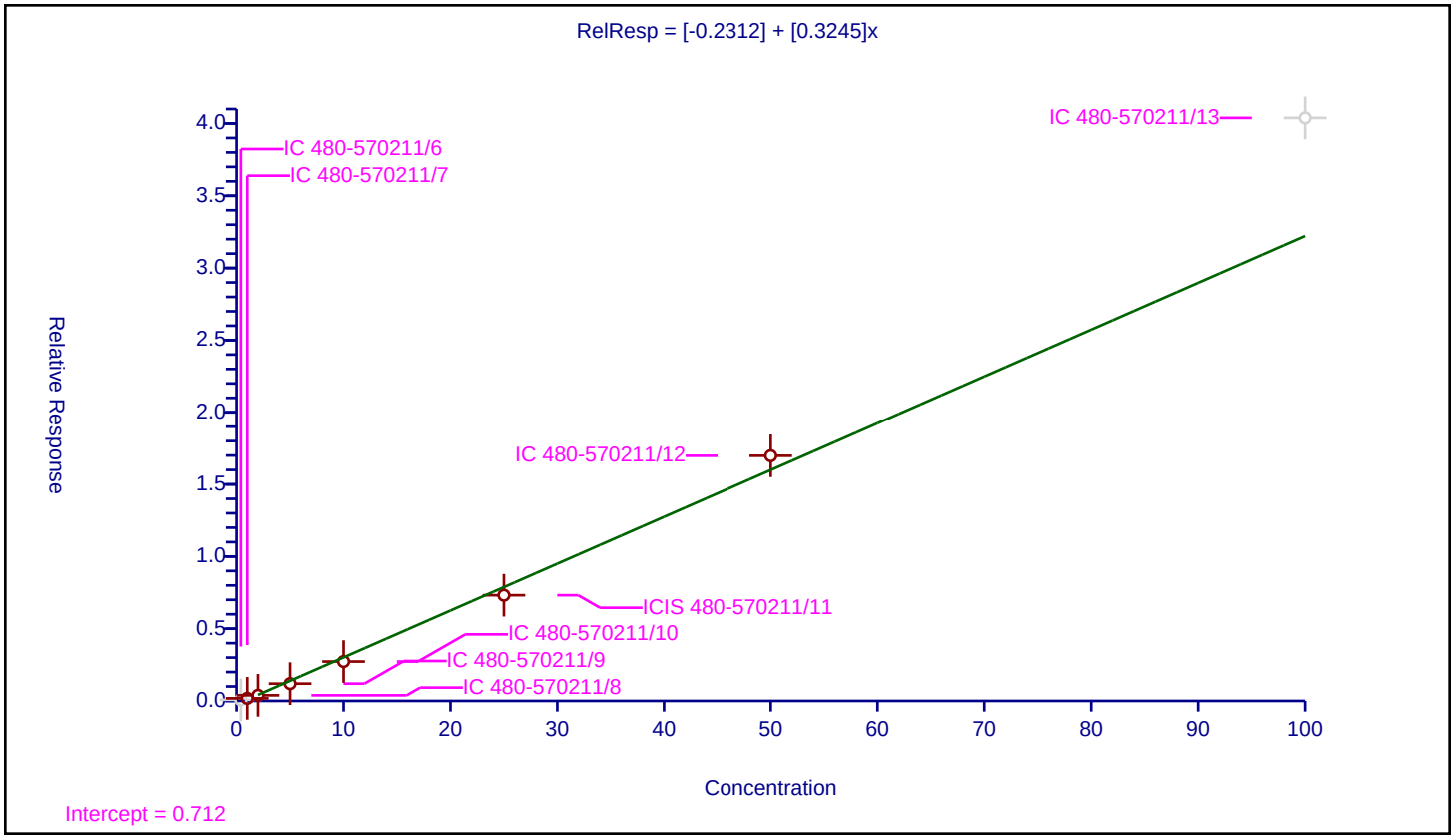
Curve Coefficients

Intercept:	-0.2312
Slope:	0.3245

Error Coefficients

Standard Error:	114000
Relative Standard Error:	16.0
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.077528	25.0	267968.0	0.19382	N
2	IC 480-570211/7	1.0	0.179037	25.0	295749.0	0.179037	Y
3	IC 480-570211/8	2.0	0.387251	25.0	289864.0	0.193625	Y
4	IC 480-570211/9	5.0	1.19639	25.0	283227.0	0.239278	Y
5	IC 480-570211/10	10.0	2.726183	25.0	282868.0	0.272618	Y
6	ICIS 480-570211/11	25.0	7.319027	25.0	280816.0	0.292761	Y
7	IC 480-570211/12	50.0	16.982675	25.0	308984.0	0.339654	Y
8	IC 480-570211/13	100.0	40.386405	25.0	325604.0	0.403864	N



Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

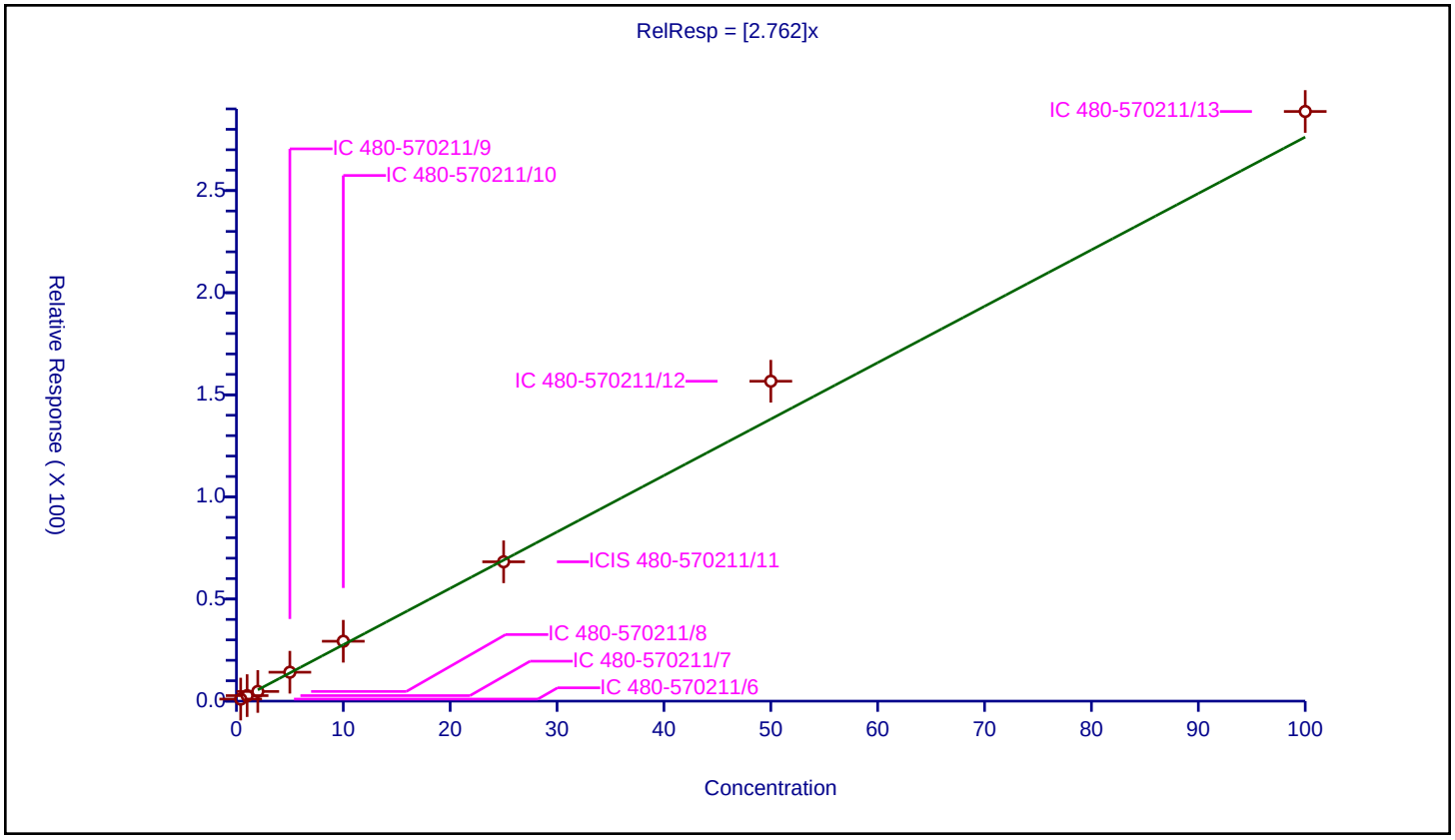
Curve Coefficients

Intercept:	0
Slope:	2.762

Error Coefficients

Standard Error:	1810000
Relative Standard Error:	8.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	1.004156	25.0	326269.0	2.51039	Y
2	IC 480-570211/7	1.0	2.703844	25.0	348097.0	2.703844	Y
3	IC 480-570211/8	2.0	4.737618	25.0	345965.0	2.368809	Y
4	IC 480-570211/9	5.0	14.156428	25.0	322622.0	2.831286	Y
5	IC 480-570211/10	10.0	29.330471	25.0	332637.0	2.933047	Y
6	ICIS 480-570211/11	25.0	68.225048	25.0	349294.0	2.729002	Y
7	IC 480-570211/12	50.0	156.654303	25.0	333630.0	3.133086	Y
8	IC 480-570211/13	100.0	288.734769	25.0	362507.0	2.887348	Y



Calibration / 4-Bromofluorobenzene (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

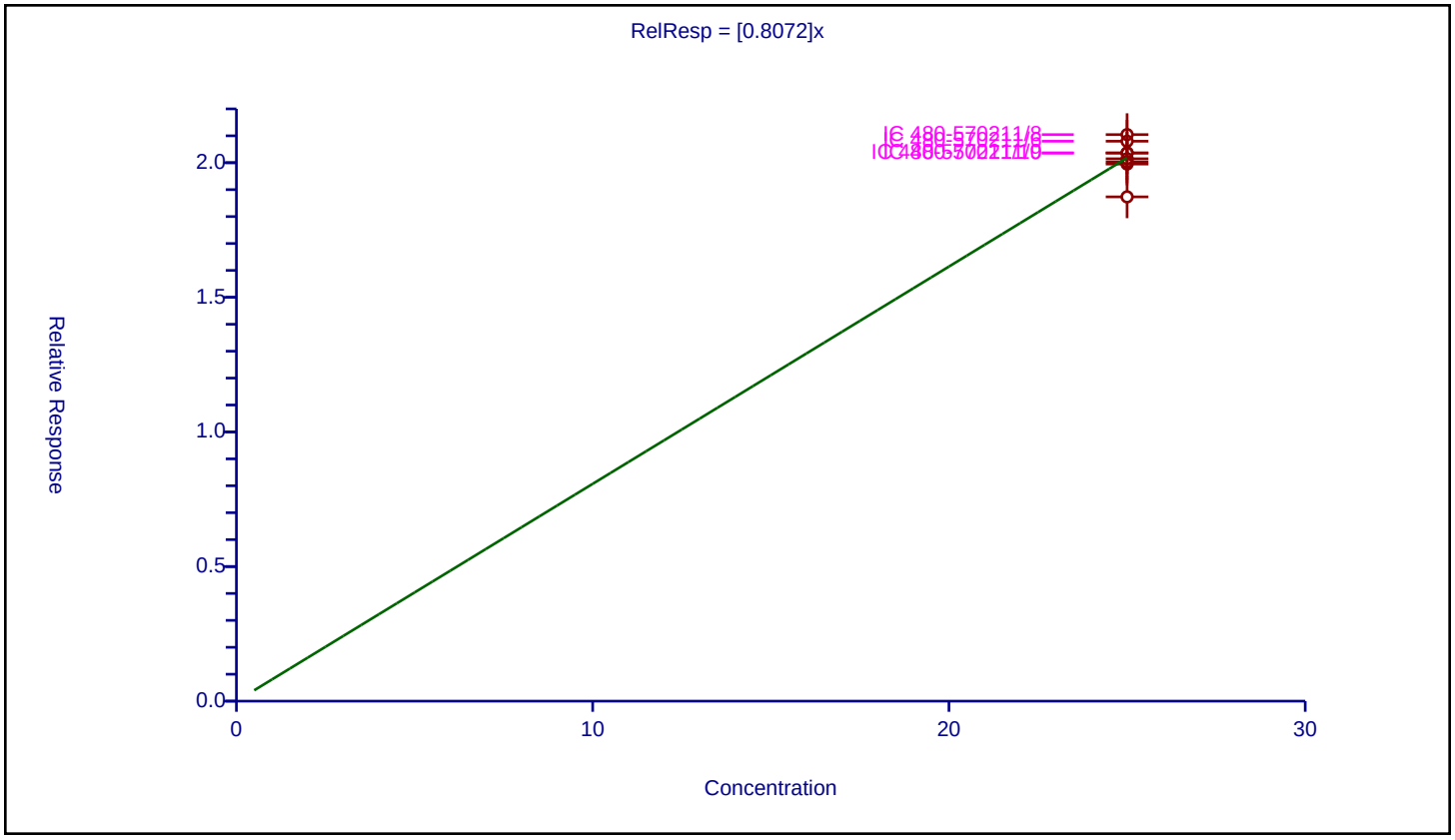
Curve Coefficients

Intercept:	0
Slope:	0.8072

Error Coefficients

Standard Error:	252000
Relative Standard Error:	3.4
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	25.0	20.798472	25.0	267968.0	0.831939	Y
2	IC 480-570211/7	25.0	18.73227	25.0	295749.0	0.749291	Y
3	IC 480-570211/8	25.0	21.044179	25.0	289864.0	0.841767	Y
4	IC 480-570211/9	25.0	20.360259	25.0	283227.0	0.81441	Y
5	IC 480-570211/10	25.0	20.364622	25.0	282868.0	0.814585	Y
6	ICIS 480-570211/11	25.0	20.147534	25.0	280816.0	0.805901	Y
7	IC 480-570211/12	25.0	19.950629	25.0	308984.0	0.798025	Y
8	IC 480-570211/13	25.0	20.032463	25.0	325604.0	0.801299	Y



Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

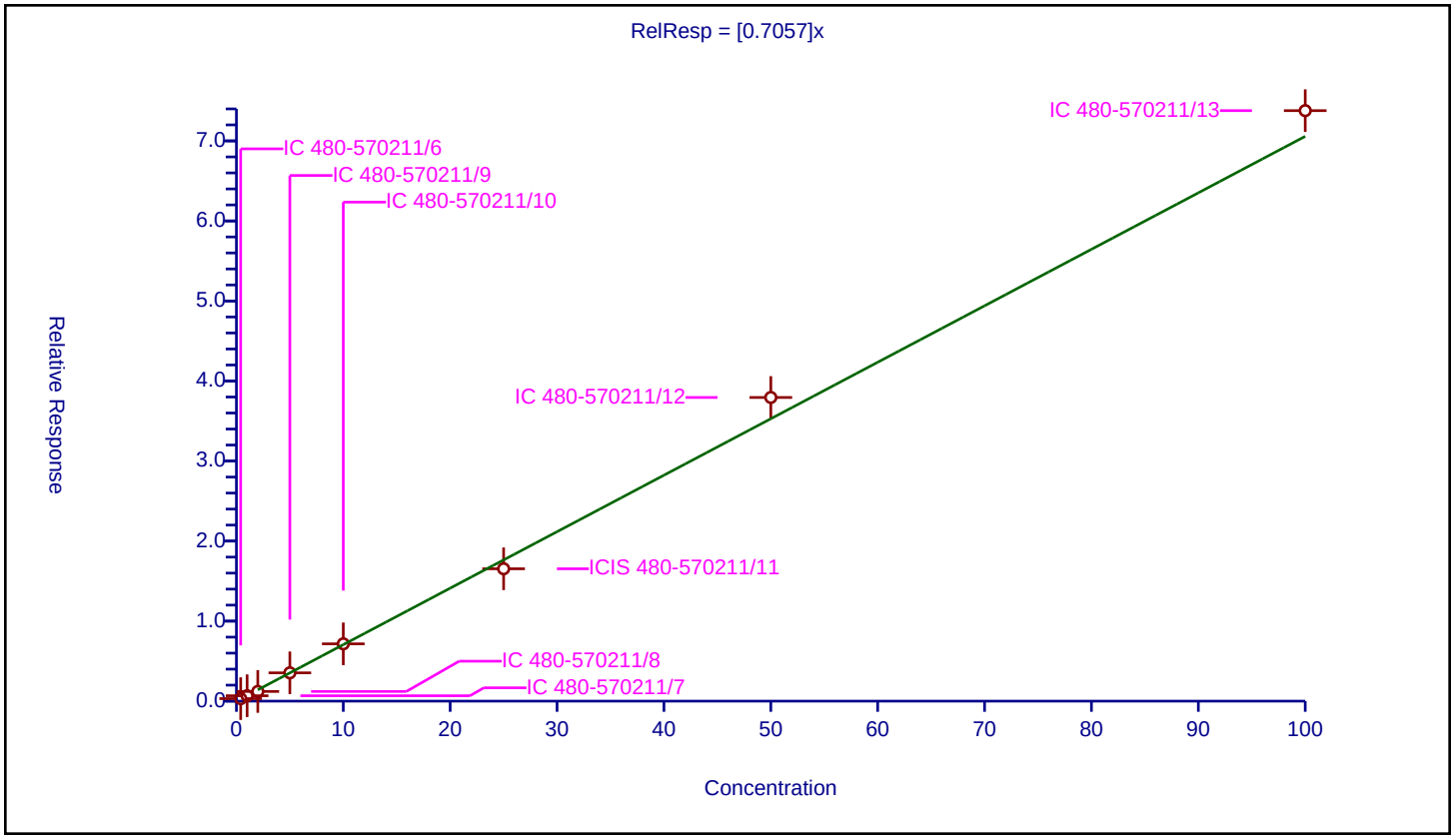
Curve Coefficients

Intercept:	0
Slope:	0.7057

Error Coefficients

Standard Error:	458000
Relative Standard Error:	8.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.314388	25.0	326269.0	0.78597	Y
2	IC 480-570211/7	1.0	0.67237	25.0	348097.0	0.67237	Y
3	IC 480-570211/8	2.0	1.21125	25.0	345965.0	0.605625	Y
4	IC 480-570211/9	5.0	3.536647	25.0	322622.0	0.707329	Y
5	IC 480-570211/10	10.0	7.160057	25.0	332637.0	0.716006	Y
6	ICIS 480-570211/11	25.0	16.538718	25.0	349294.0	0.661549	Y
7	IC 480-570211/12	50.0	37.94368	25.0	333630.0	0.758874	Y
8	IC 480-570211/13	100.0	73.77892	25.0	362507.0	0.737789	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

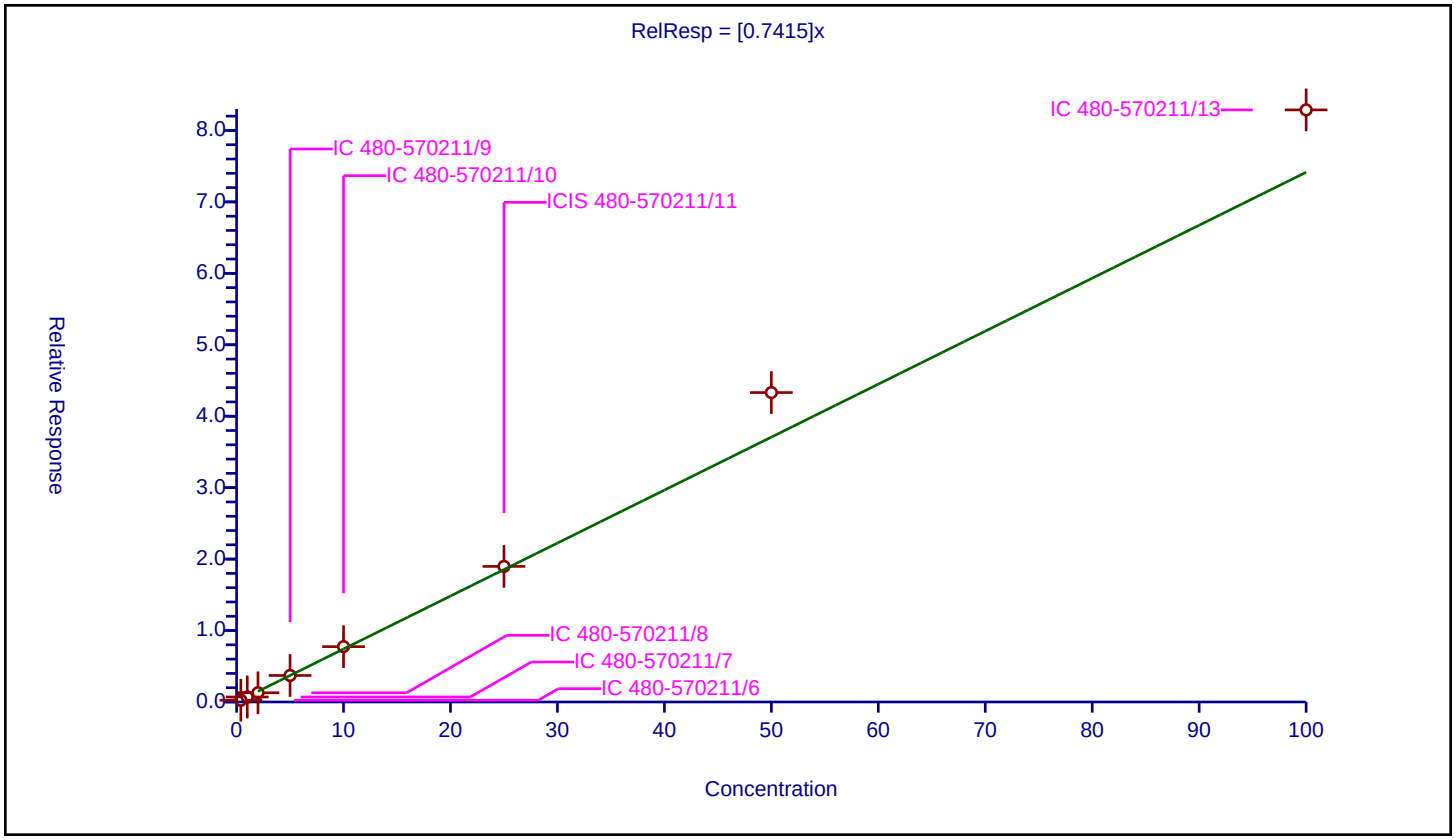
Curve Coefficients

Intercept:	0
Slope:	0.7415

Error Coefficients

Standard Error:	516000
Relative Standard Error:	11.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.245656	25.0	326269.0	0.61414	Y
2	IC 480-570211/7	1.0	0.700379	25.0	348097.0	0.700379	Y
3	IC 480-570211/8	2.0	1.291677	25.0	345965.0	0.645838	Y
4	IC 480-570211/9	5.0	3.713556	25.0	322622.0	0.742711	Y
5	IC 480-570211/10	10.0	7.746958	25.0	332637.0	0.774696	Y
6	ICIS 480-570211/11	25.0	18.976922	25.0	349294.0	0.759077	Y
7	IC 480-570211/12	50.0	43.309579	25.0	333630.0	0.866192	Y
8	IC 480-570211/13	100.0	82.876469	25.0	362507.0	0.828765	Y



Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

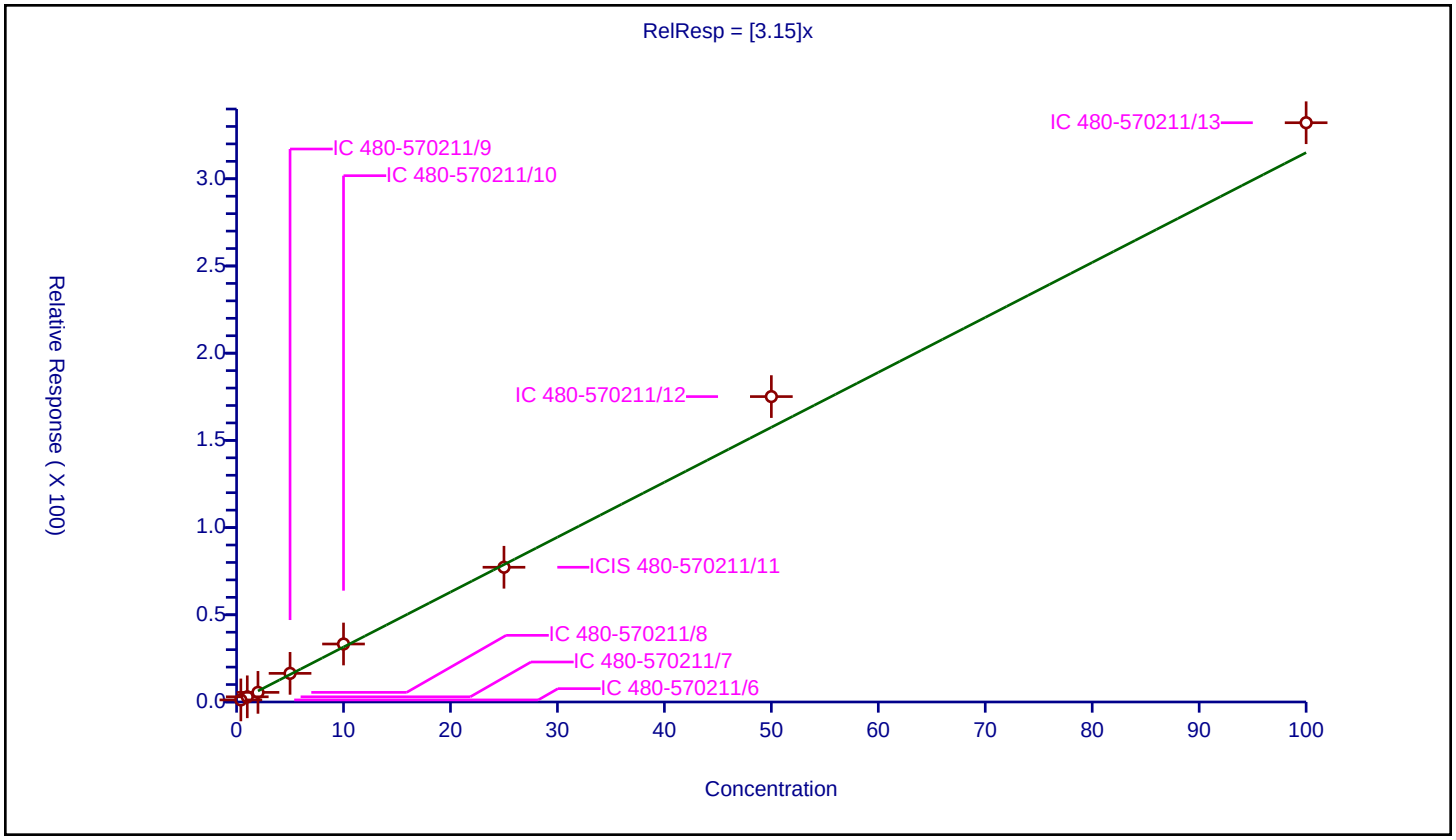
Curve Coefficients

Intercept:	0
Slope:	3.15

Error Coefficients

Standard Error:	2070000
Relative Standard Error:	7.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	1.178092	25.0	326269.0	2.945231	Y
2	IC 480-570211/7	1.0	2.980419	25.0	348097.0	2.980419	Y
3	IC 480-570211/8	2.0	5.506554	25.0	345965.0	2.753277	Y
4	IC 480-570211/9	5.0	16.413636	25.0	322622.0	3.282727	Y
5	IC 480-570211/10	10.0	33.245324	25.0	332637.0	3.324532	Y
6	ICIS 480-570211/11	25.0	77.256409	25.0	349294.0	3.090256	Y
7	IC 480-570211/12	50.0	175.105881	25.0	333630.0	3.502118	Y
8	IC 480-570211/13	100.0	332.136483	25.0	362507.0	3.321365	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

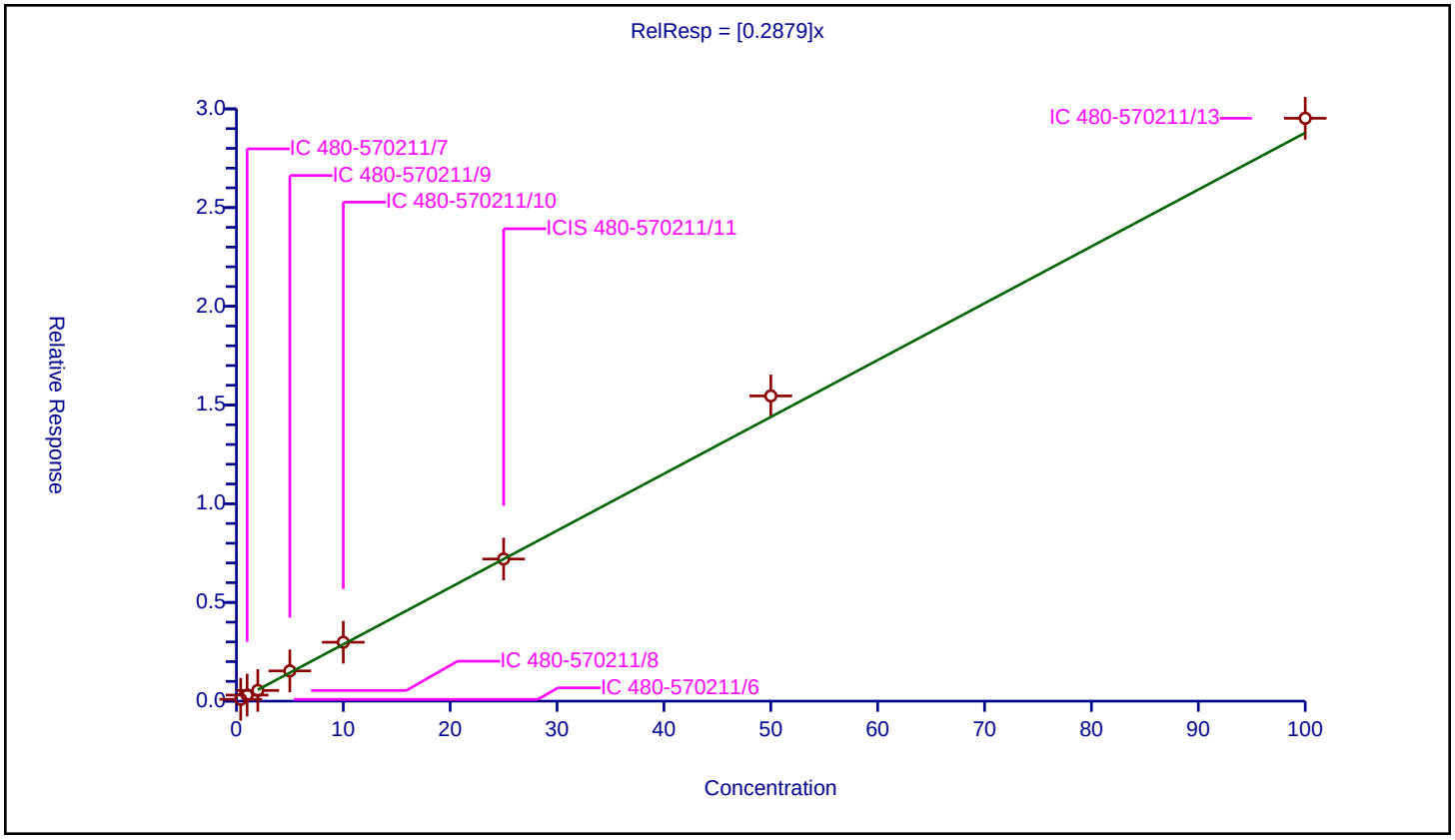
Curve Coefficients

Intercept:	0
Slope:	0.2879

Error Coefficients

Standard Error:	184000
Relative Standard Error:	9.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.091106	25.0	326269.0	0.227765	Y
2	IC 480-570211/7	1.0	0.307673	25.0	348097.0	0.307673	Y
3	IC 480-570211/8	2.0	0.541457	25.0	345965.0	0.270728	Y
4	IC 480-570211/9	5.0	1.531746	25.0	322622.0	0.306349	Y
5	IC 480-570211/10	10.0	2.982004	25.0	332637.0	0.2982	Y
6	ICIS 480-570211/11	25.0	7.199093	25.0	349294.0	0.287964	Y
7	IC 480-570211/12	50.0	15.46084	25.0	333630.0	0.309217	Y
8	IC 480-570211/13	100.0	29.525085	25.0	362507.0	0.295251	Y



Calibration / trans-1,4-Dichloro-2-butene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

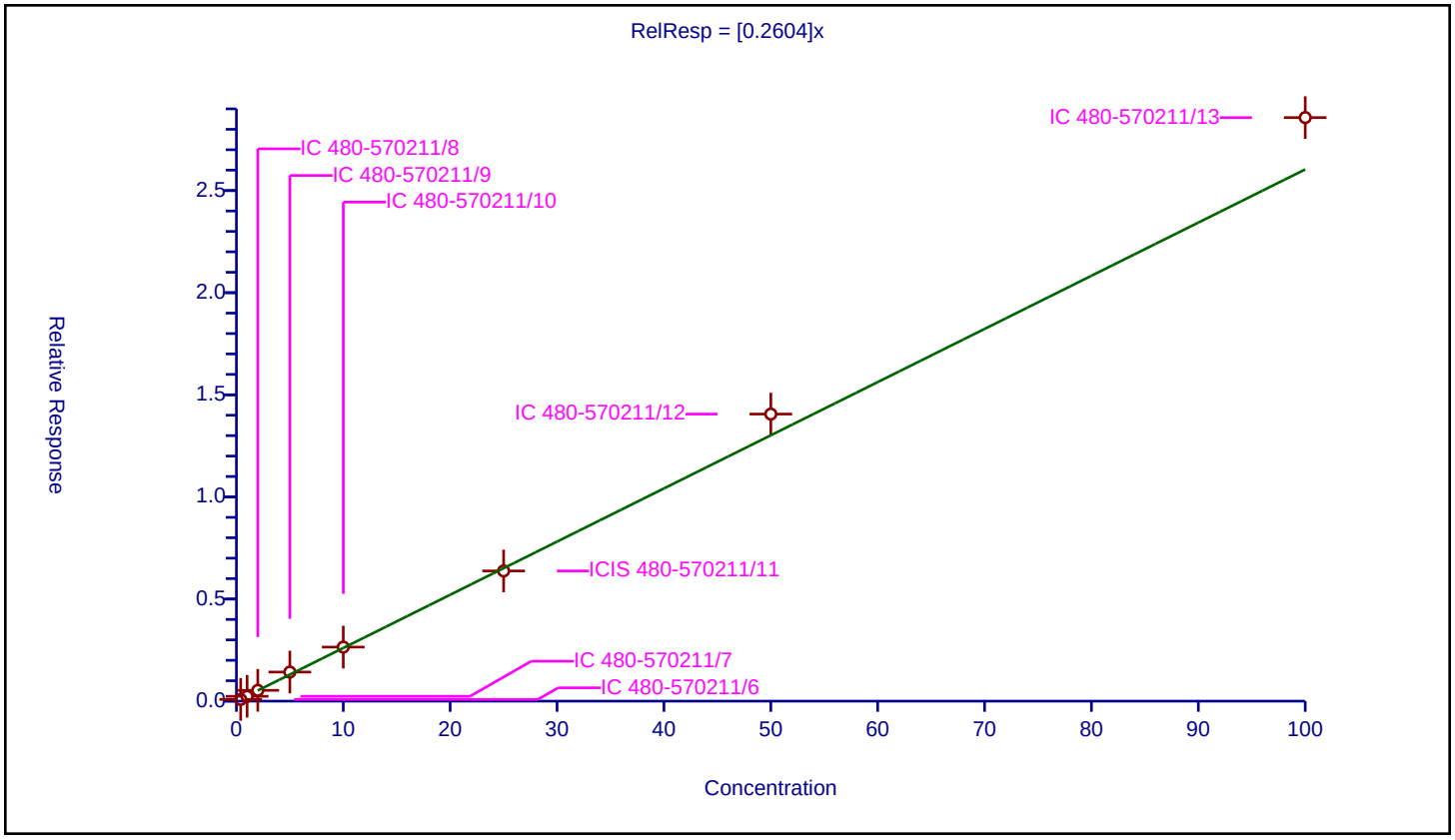
Curve Coefficients

Intercept:	0
Slope:	0.2604

Error Coefficients

Standard Error:	176000
Relative Standard Error:	10.1
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.083673	25.0	326269.0	0.209183	Y
2	IC 480-570211/7	1.0	0.237649	25.0	348097.0	0.237649	Y
3	IC 480-570211/8	2.0	0.529317	25.0	345965.0	0.264658	Y
4	IC 480-570211/9	5.0	1.42419	25.0	322622.0	0.284838	Y
5	IC 480-570211/10	10.0	2.646579	25.0	332637.0	0.264658	Y
6	ICIS 480-570211/11	25.0	6.375432	25.0	349294.0	0.255017	Y
7	IC 480-570211/12	50.0	14.057264	25.0	333630.0	0.281145	Y
8	IC 480-570211/13	100.0	28.572965	25.0	362507.0	0.28573	Y



Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

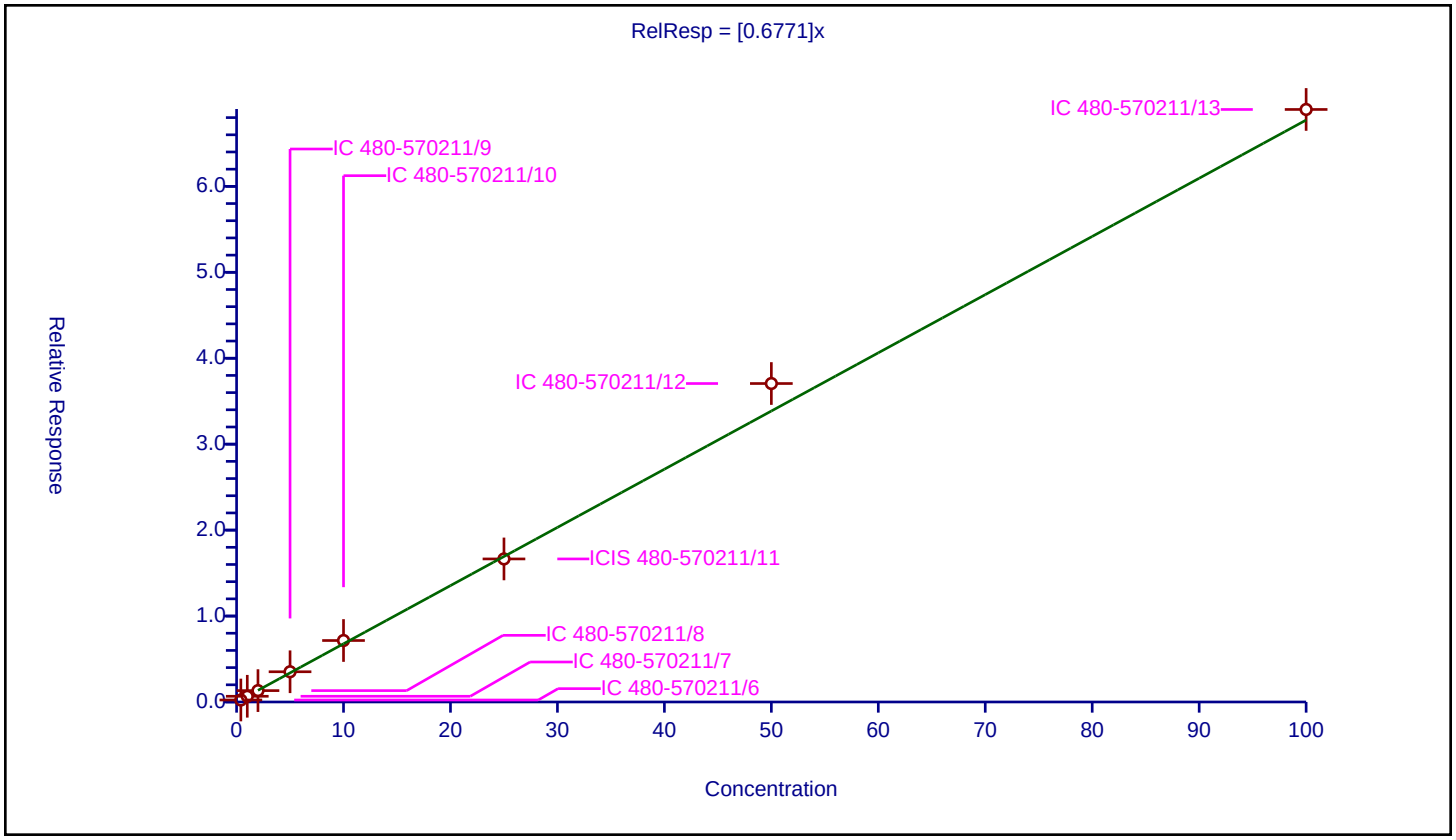
Curve Coefficients

Intercept:	0
Slope:	0.6771

Error Coefficients

Standard Error:	433000
Relative Standard Error:	7.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.230408	25.0	326269.0	0.57602	Y
2	IC 480-570211/7	1.0	0.66447	25.0	348097.0	0.66447	Y
3	IC 480-570211/8	2.0	1.323183	25.0	345965.0	0.661591	Y
4	IC 480-570211/9	5.0	3.516732	25.0	322622.0	0.703346	Y
5	IC 480-570211/10	10.0	7.152917	25.0	332637.0	0.715292	Y
6	ICIS 480-570211/11	25.0	16.645863	25.0	349294.0	0.665835	Y
7	IC 480-570211/12	50.0	37.056095	25.0	333630.0	0.741122	Y
8	IC 480-570211/13	100.0	68.946048	25.0	362507.0	0.68946	Y



Calibration / 1,3,5-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

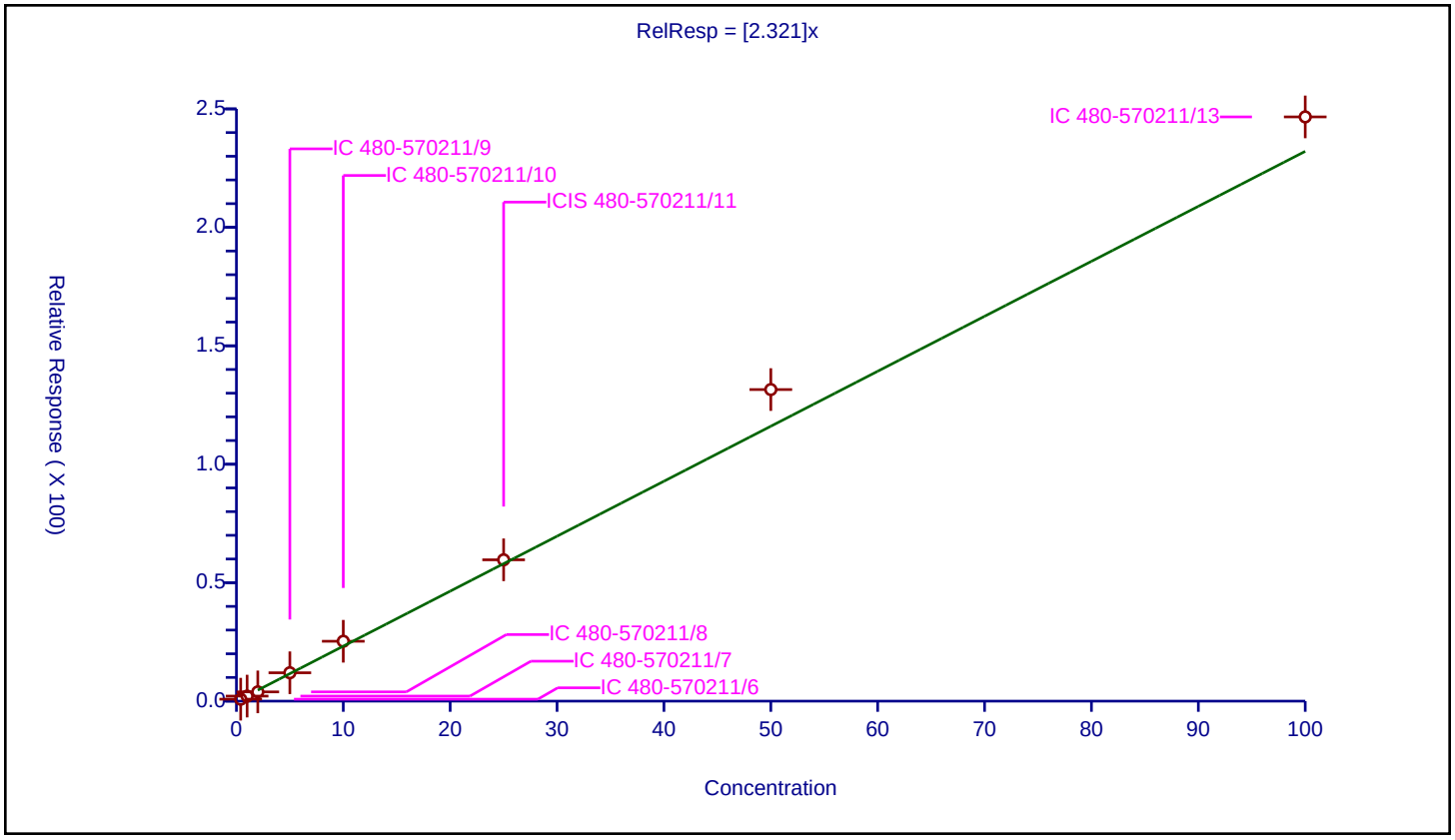
Curve Coefficients

Intercept:	0
Slope:	2.321

Error Coefficients

Standard Error:	1540000
Relative Standard Error:	10.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.831829	25.0	326269.0	2.079572	Y
2	IC 480-570211/7	1.0	2.127855	25.0	348097.0	2.127855	Y
3	IC 480-570211/8	2.0	3.904152	25.0	345965.0	1.952076	Y
4	IC 480-570211/9	5.0	11.981281	25.0	322622.0	2.396256	Y
5	IC 480-570211/10	10.0	25.2753	25.0	332637.0	2.52753	Y
6	ICIS 480-570211/11	25.0	59.656121	25.0	349294.0	2.386245	Y
7	IC 480-570211/12	50.0	131.521071	25.0	333630.0	2.630421	Y
8	IC 480-570211/13	100.0	246.615514	25.0	362507.0	2.466155	Y



Calibration / 4-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

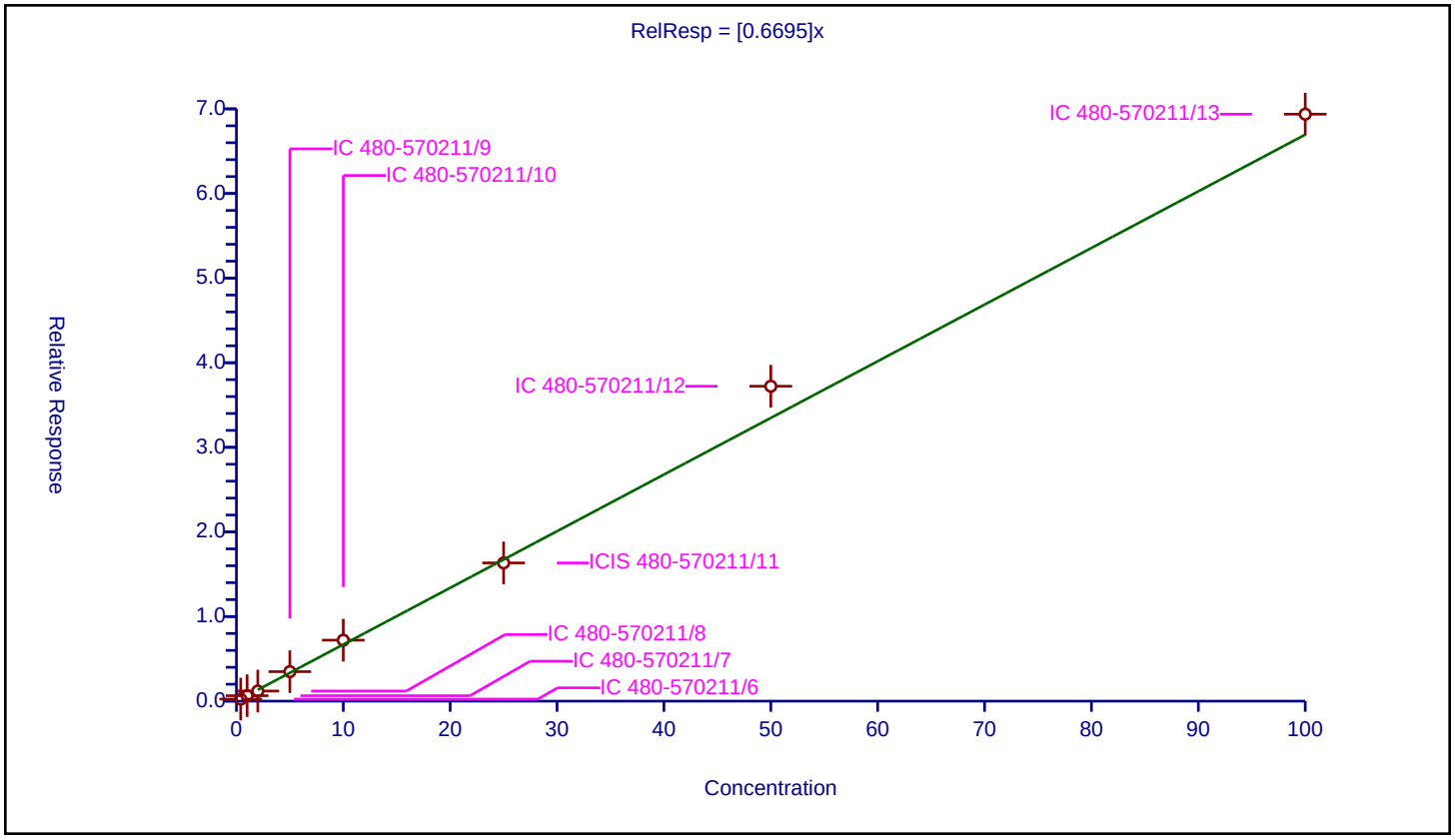
Curve Coefficients

Intercept:	0
Slope:	0.6695

Error Coefficients

Standard Error:	435000
Relative Standard Error:	8.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.241748	25.0	326269.0	0.604371	Y
2	IC 480-570211/7	1.0	0.645007	25.0	348097.0	0.645007	Y
3	IC 480-570211/8	2.0	1.194413	25.0	345965.0	0.597206	Y
4	IC 480-570211/9	5.0	3.487053	25.0	322622.0	0.697411	Y
5	IC 480-570211/10	10.0	7.20673	25.0	332637.0	0.720673	Y
6	ICIS 480-570211/11	25.0	16.336453	25.0	349294.0	0.653458	Y
7	IC 480-570211/12	50.0	37.221248	25.0	333630.0	0.744425	Y
8	IC 480-570211/13	100.0	69.372109	25.0	362507.0	0.693721	Y



Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

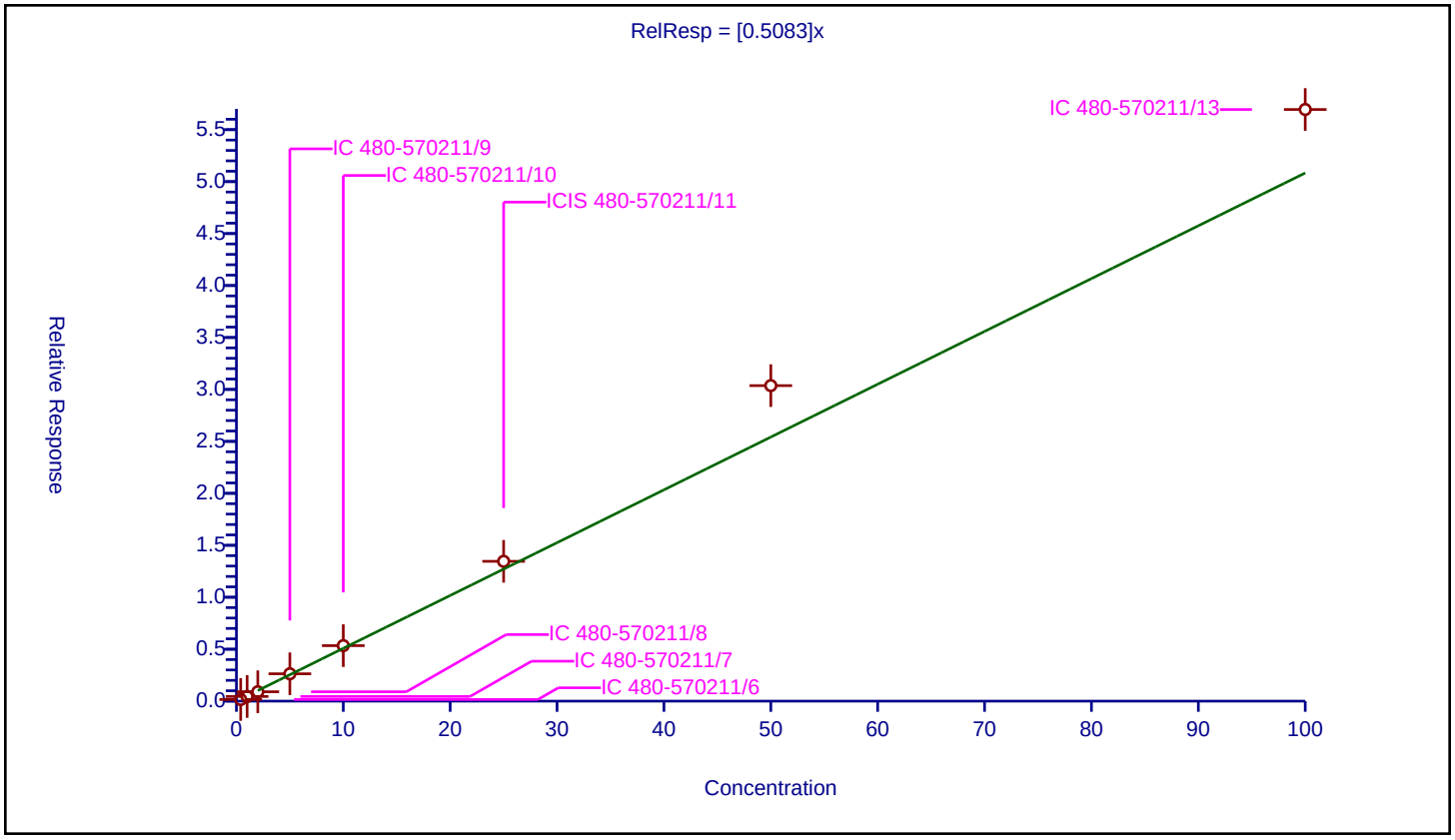
Curve Coefficients

Intercept:	0
Slope:	0.5083

Error Coefficients

Standard Error:	356000
Relative Standard Error:	14.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.156696	25.0	326269.0	0.39174	Y
2	IC 480-570211/7	1.0	0.447792	25.0	348097.0	0.447792	Y
3	IC 480-570211/8	2.0	0.90262	25.0	345965.0	0.45131	Y
4	IC 480-570211/9	5.0	2.633887	25.0	322622.0	0.526777	Y
5	IC 480-570211/10	10.0	5.341183	25.0	332637.0	0.534118	Y
6	ICIS 480-570211/11	25.0	13.455284	25.0	349294.0	0.538211	Y
7	IC 480-570211/12	50.0	30.367023	25.0	333630.0	0.60734	Y
8	IC 480-570211/13	100.0	56.9409	25.0	362507.0	0.569409	Y



Calibration / 1,2,4-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

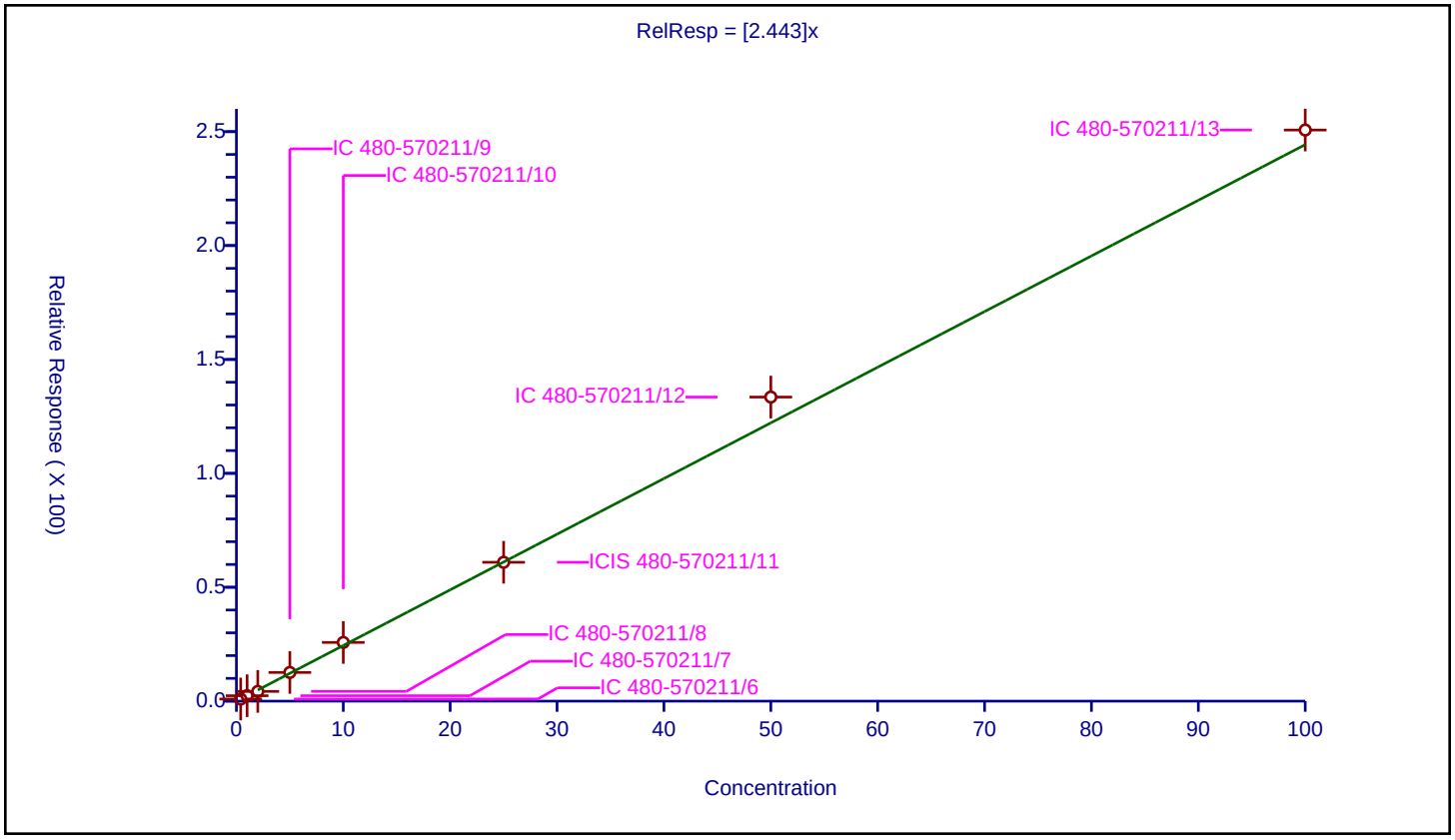
Curve Coefficients

Intercept:	0
Slope:	2.443

Error Coefficients

Standard Error:	1570000
Relative Standard Error:	6.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.929295	25.0	326269.0	2.323236	Y
2	IC 480-570211/7	1.0	2.375631	25.0	348097.0	2.375631	Y
3	IC 480-570211/8	2.0	4.269001	25.0	345965.0	2.134501	Y
4	IC 480-570211/9	5.0	12.594073	25.0	322622.0	2.518815	Y
5	IC 480-570211/10	10.0	25.772313	25.0	332637.0	2.577231	Y
6	ICIS 480-570211/11	25.0	60.955814	25.0	349294.0	2.438233	Y
7	IC 480-570211/12	50.0	133.48882	25.0	333630.0	2.669776	Y
8	IC 480-570211/13	100.0	250.715779	25.0	362507.0	2.507158	Y



Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

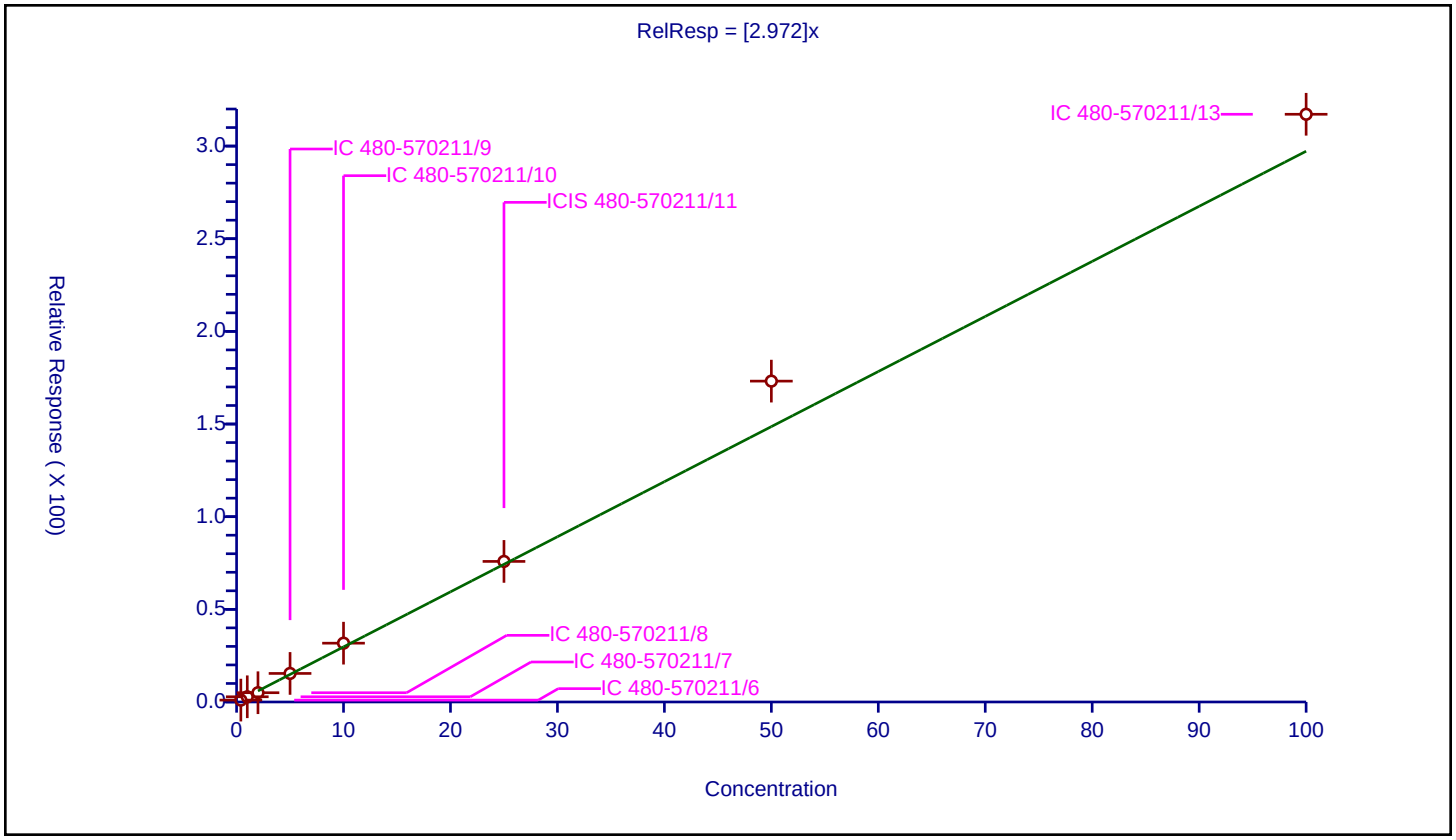
Curve Coefficients

Intercept:	0
Slope:	2.972

Error Coefficients

Standard Error:	1990000
Relative Standard Error:	11.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	1.015726	25.0	326269.0	2.539316	Y
2	IC 480-570211/7	1.0	2.811285	25.0	348097.0	2.811285	Y
3	IC 480-570211/8	2.0	5.005131	25.0	345965.0	2.502565	Y
4	IC 480-570211/9	5.0	15.407505	25.0	322622.0	3.081501	Y
5	IC 480-570211/10	10.0	31.742184	25.0	332637.0	3.174218	Y
6	ICIS 480-570211/11	25.0	75.85544	25.0	349294.0	3.034218	Y
7	IC 480-570211/12	50.0	173.15207	25.0	333630.0	3.463041	Y
8	IC 480-570211/13	100.0	317.160013	25.0	362507.0	3.1716	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

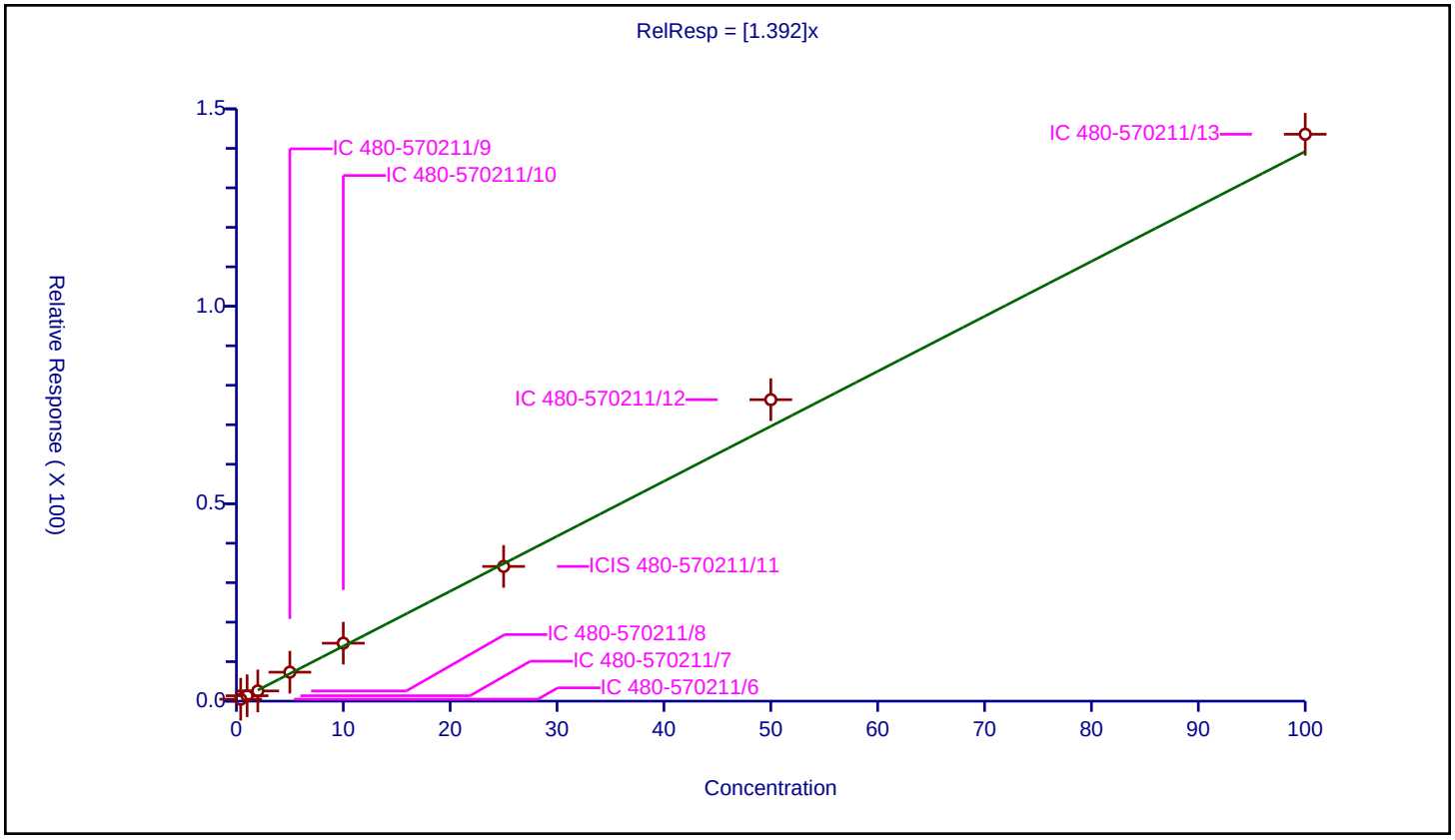
Curve Coefficients

Intercept:	0
Slope:	1.392

Error Coefficients

Standard Error:	898000
Relative Standard Error:	7.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.487634	25.0	326269.0	1.219086	Y
2	IC 480-570211/7	1.0	1.363844	25.0	348097.0	1.363844	Y
3	IC 480-570211/8	2.0	2.585377	25.0	345965.0	1.292689	Y
4	IC 480-570211/9	5.0	7.336992	25.0	322622.0	1.467398	Y
5	IC 480-570211/10	10.0	14.677186	25.0	332637.0	1.467719	Y
6	ICIS 480-570211/11	25.0	34.11689	25.0	349294.0	1.364676	Y
7	IC 480-570211/12	50.0	76.350223	25.0	333630.0	1.527004	Y
8	IC 480-570211/13	100.0	143.577848	25.0	362507.0	1.435778	Y



Calibration / 4-Isopropyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

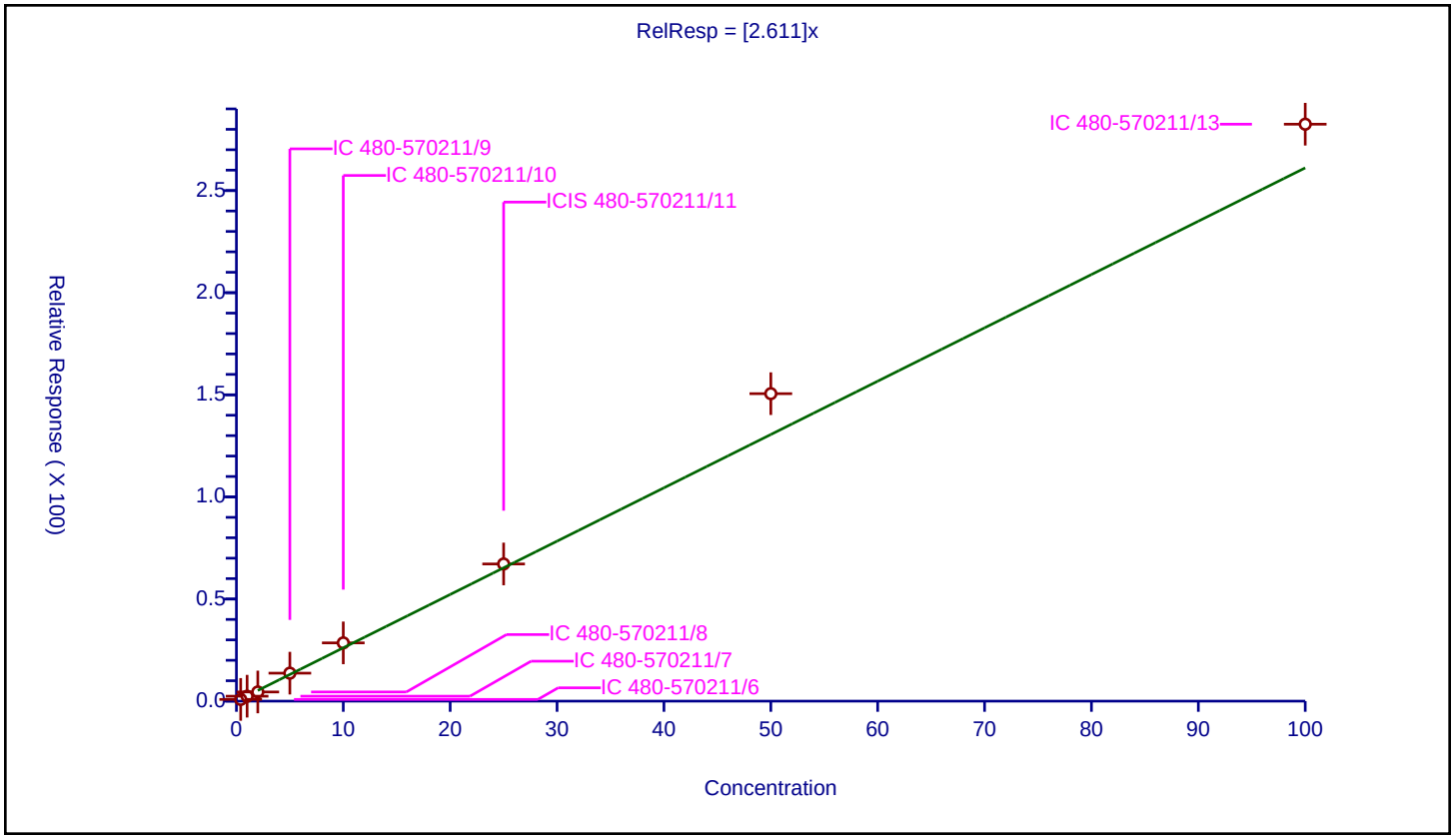
Curve Coefficients

Intercept:	0
Slope:	2.611

Error Coefficients

Standard Error:	1770000
Relative Standard Error:	12.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.840258	25.0	326269.0	2.100644	Y
2	IC 480-570211/7	1.0	2.42533	25.0	348097.0	2.42533	Y
3	IC 480-570211/8	2.0	4.496481	25.0	345965.0	2.24824	Y
4	IC 480-570211/9	5.0	13.694432	25.0	322622.0	2.738886	Y
5	IC 480-570211/10	10.0	28.528621	25.0	332637.0	2.852862	Y
6	ICIS 480-570211/11	25.0	67.169204	25.0	349294.0	2.686768	Y
7	IC 480-570211/12	50.0	150.563274	25.0	333630.0	3.011265	Y
8	IC 480-570211/13	100.0	282.501924	25.0	362507.0	2.825019	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

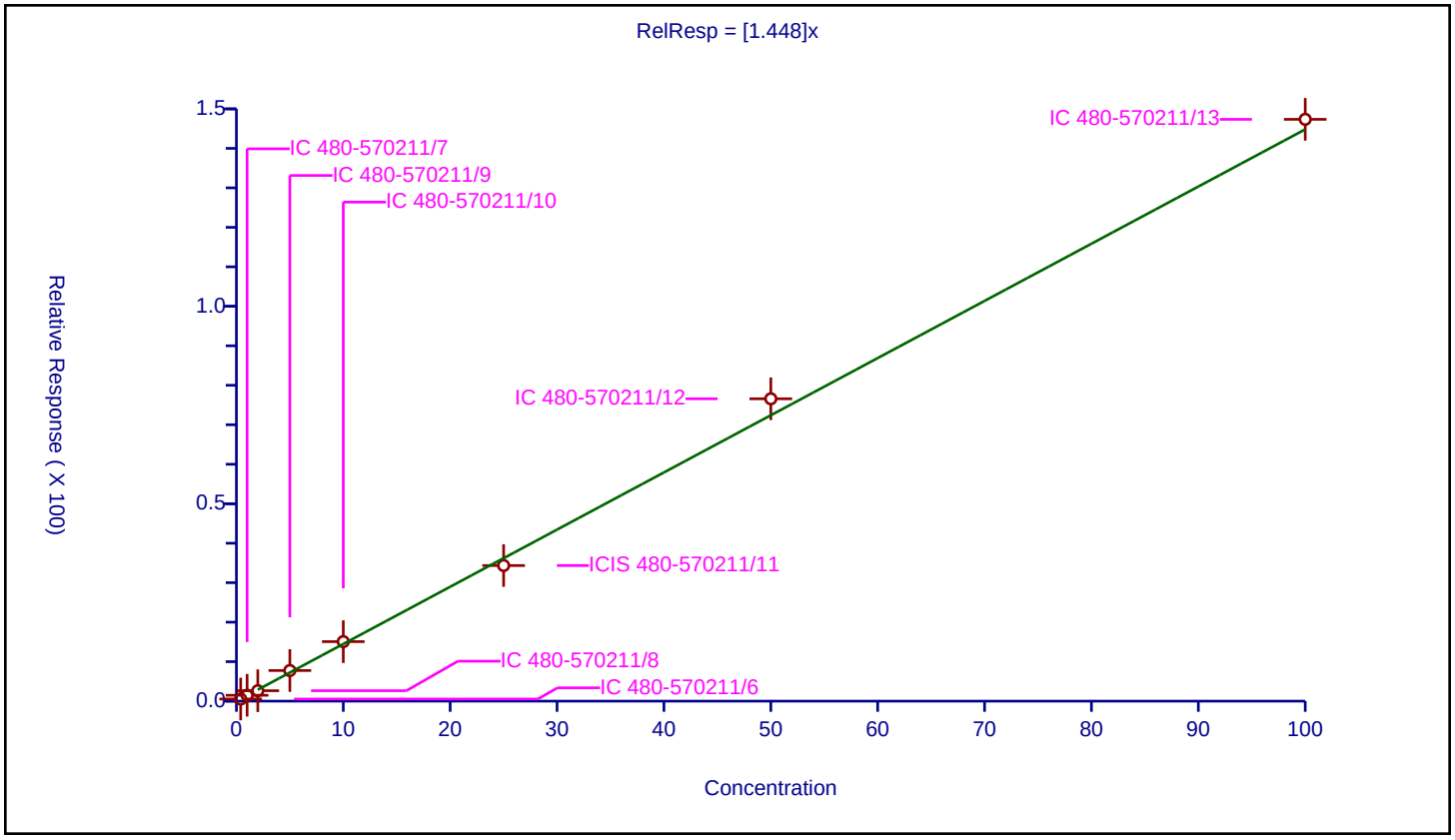
Curve Coefficients

Intercept:	0
Slope:	1.448

Error Coefficients

Standard Error:	917000
Relative Standard Error:	6.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.537593	25.0	326269.0	1.343983	Y
2	IC 480-570211/7	1.0	1.484285	25.0	348097.0	1.484285	Y
3	IC 480-570211/8	2.0	2.638056	25.0	345965.0	1.319028	Y
4	IC 480-570211/9	5.0	7.756446	25.0	322622.0	1.551289	Y
5	IC 480-570211/10	10.0	15.072662	25.0	332637.0	1.507266	Y
6	ICIS 480-570211/11	25.0	34.345923	25.0	349294.0	1.373837	Y
7	IC 480-570211/12	50.0	76.578245	25.0	333630.0	1.531565	Y
8	IC 480-570211/13	100.0	147.352327	25.0	362507.0	1.473523	Y



Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

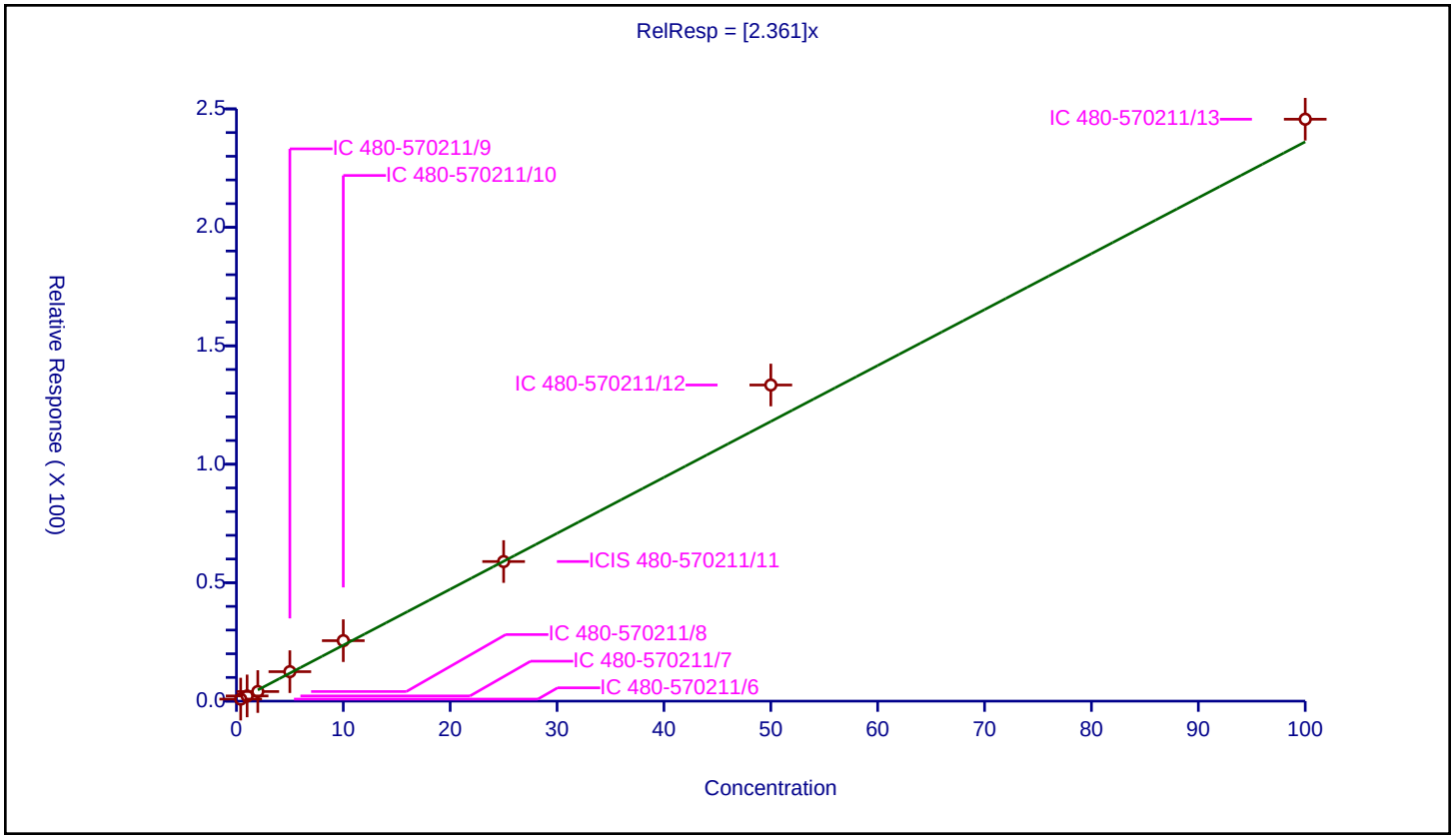
Curve Coefficients

Intercept:	0
Slope:	2.361

Error Coefficients

Standard Error:	1540000
Relative Standard Error:	9.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.855965	25.0	326269.0	2.139914	Y
2	IC 480-570211/7	1.0	2.196873	25.0	348097.0	2.196873	Y
3	IC 480-570211/8	2.0	4.058069	25.0	345965.0	2.029035	Y
4	IC 480-570211/9	5.0	12.43824	25.0	322622.0	2.487648	Y
5	IC 480-570211/10	10.0	25.522266	25.0	332637.0	2.552227	Y
6	ICIS 480-570211/11	25.0	58.923357	25.0	349294.0	2.356934	Y
7	IC 480-570211/12	50.0	133.448731	25.0	333630.0	2.668975	Y
8	IC 480-570211/13	100.0	245.636429	25.0	362507.0	2.456364	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

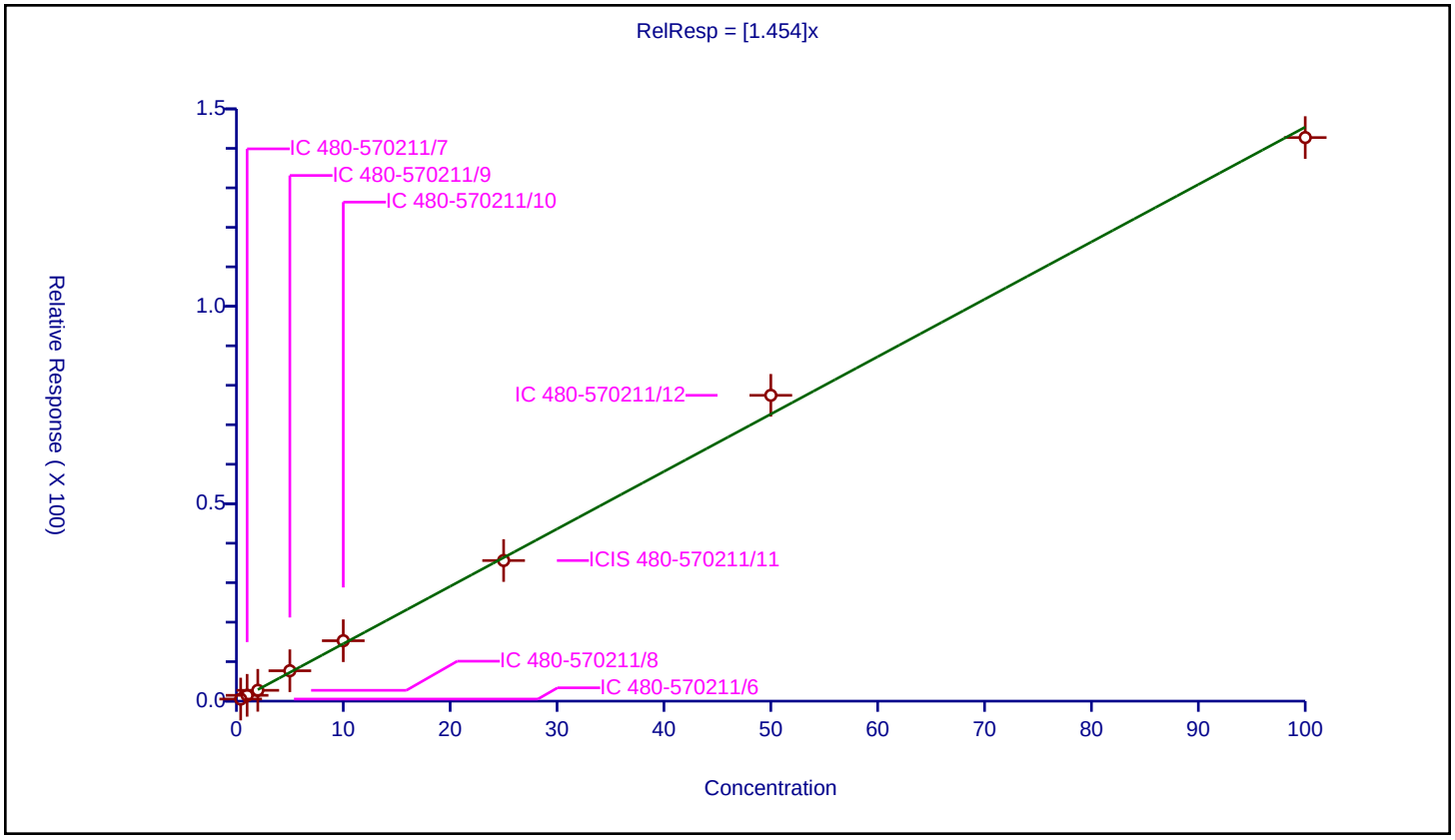
Curve Coefficients

Intercept:	0
Slope:	1.454

Error Coefficients

Standard Error:	899000
Relative Standard Error:	5.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.526176	25.0	326269.0	1.315441	Y
2	IC 480-570211/7	1.0	1.472794	25.0	348097.0	1.472794	Y
3	IC 480-570211/8	2.0	2.742691	25.0	345965.0	1.371345	Y
4	IC 480-570211/9	5.0	7.69918	25.0	322622.0	1.539836	Y
5	IC 480-570211/10	10.0	15.304747	25.0	332637.0	1.530475	Y
6	ICIS 480-570211/11	25.0	35.6162	25.0	349294.0	1.424648	Y
7	IC 480-570211/12	50.0	77.459311	25.0	333630.0	1.549186	Y
8	IC 480-570211/13	100.0	142.735795	25.0	362507.0	1.427358	Y



Calibration / 1,2-Dibromo-3-Chloropropane

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

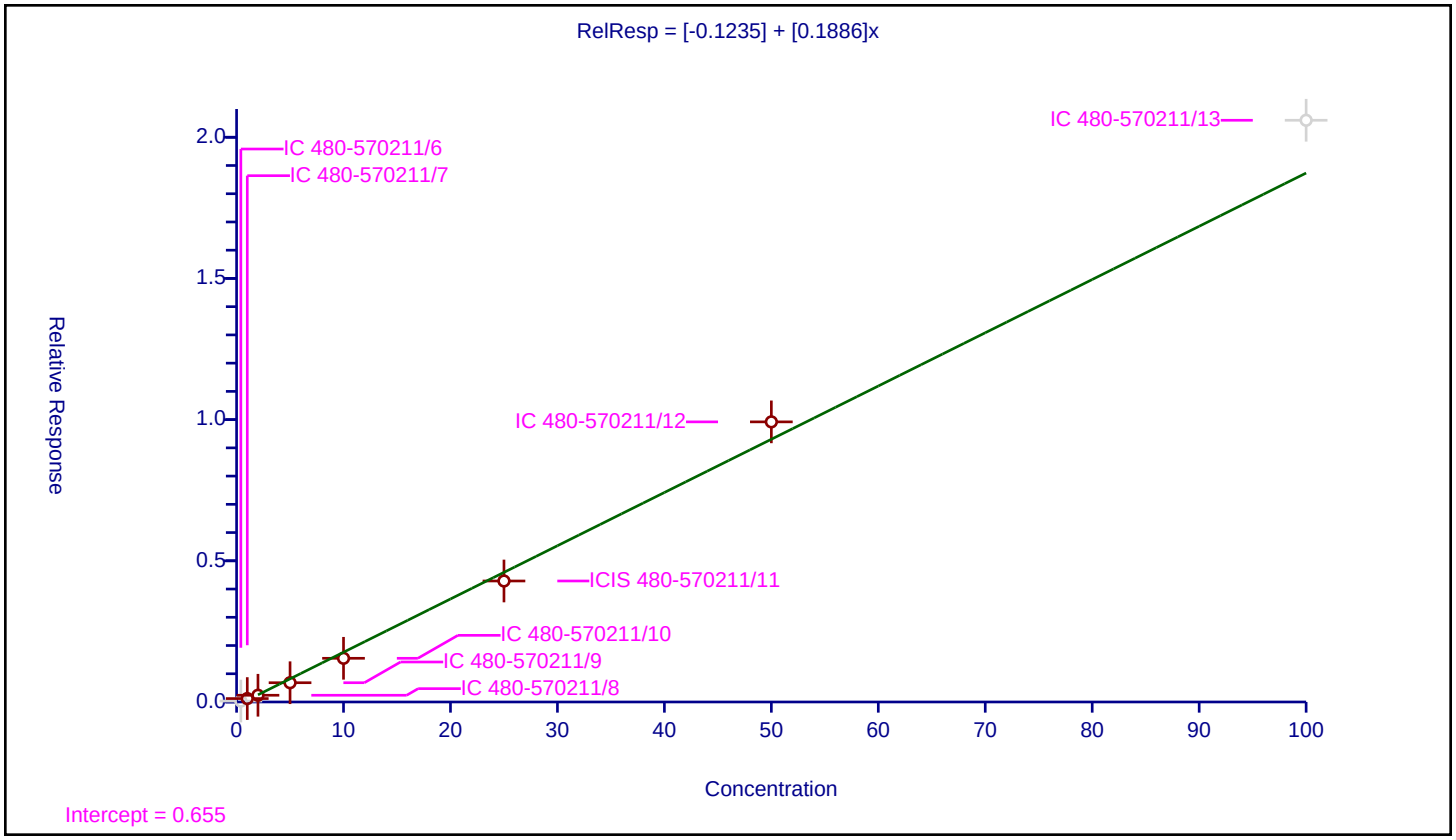
Curve Coefficients

Intercept:	-0.1235
Slope:	0.1886

Error Coefficients

Standard Error:	73500
Relative Standard Error:	18.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.032718	25.0	326269.0	0.081796	N
2	IC 480-570211/7	1.0	0.121231	25.0	348097.0	0.121231	Y
3	IC 480-570211/8	2.0	0.238752	25.0	345965.0	0.119376	Y
4	IC 480-570211/9	5.0	0.682765	25.0	322622.0	0.136553	Y
5	IC 480-570211/10	10.0	1.547182	25.0	332637.0	0.154718	Y
6	ICIS 480-570211/11	25.0	4.284929	25.0	349294.0	0.171397	Y
7	IC 480-570211/12	50.0	9.920196	25.0	333630.0	0.198404	Y
8	IC 480-570211/13	100.0	20.601326	25.0	362507.0	0.206013	N



Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

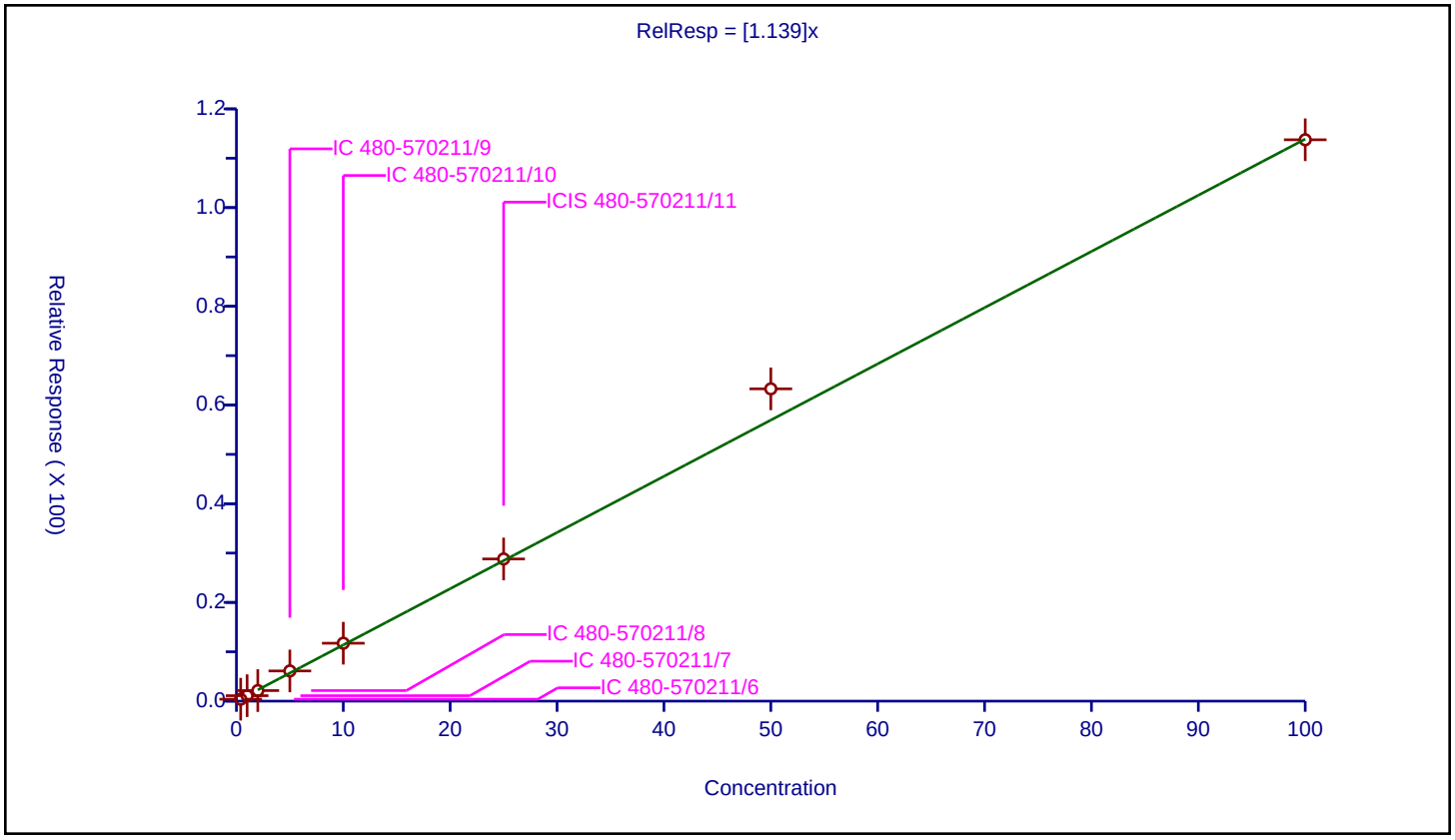
Curve Coefficients

Intercept:	0
Slope:	1.139

Error Coefficients

Standard Error:	720000
Relative Standard Error:	7.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.39377	25.0	326269.0	0.984425	Y
2	IC 480-570211/7	1.0	1.103787	25.0	348097.0	1.103787	Y
3	IC 480-570211/8	2.0	2.141113	25.0	345965.0	1.070556	Y
4	IC 480-570211/9	5.0	6.117608	25.0	322622.0	1.223522	Y
5	IC 480-570211/10	10.0	11.734939	25.0	332637.0	1.173494	Y
6	ICIS 480-570211/11	25.0	28.807895	25.0	349294.0	1.152316	Y
7	IC 480-570211/12	50.0	63.274735	25.0	333630.0	1.265495	Y
8	IC 480-570211/13	100.0	113.743045	25.0	362507.0	1.13743	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

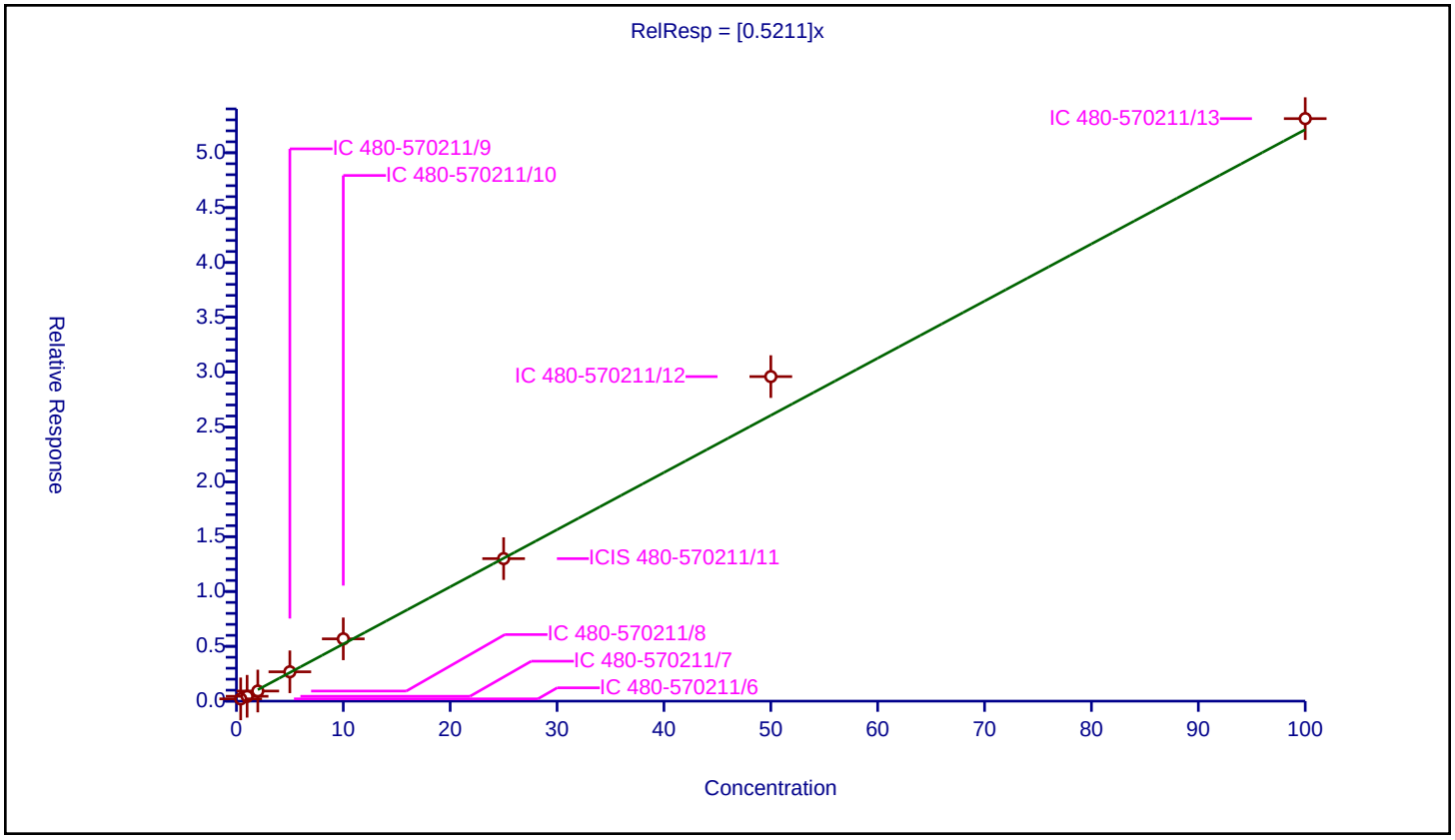
Curve Coefficients

Intercept:	0
Slope:	0.5211

Error Coefficients

Standard Error:	336000
Relative Standard Error:	9.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.207957	25.0	326269.0	0.519893	Y
2	IC 480-570211/7	1.0	0.442262	25.0	348097.0	0.442262	Y
3	IC 480-570211/8	2.0	0.92242	25.0	345965.0	0.46121	Y
4	IC 480-570211/9	5.0	2.67426	25.0	322622.0	0.534852	Y
5	IC 480-570211/10	10.0	5.679389	25.0	332637.0	0.567939	Y
6	ICIS 480-570211/11	25.0	12.992565	25.0	349294.0	0.519703	Y
7	IC 480-570211/12	50.0	29.592737	25.0	333630.0	0.591855	Y
8	IC 480-570211/13	100.0	53.11125	25.0	362507.0	0.531113	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

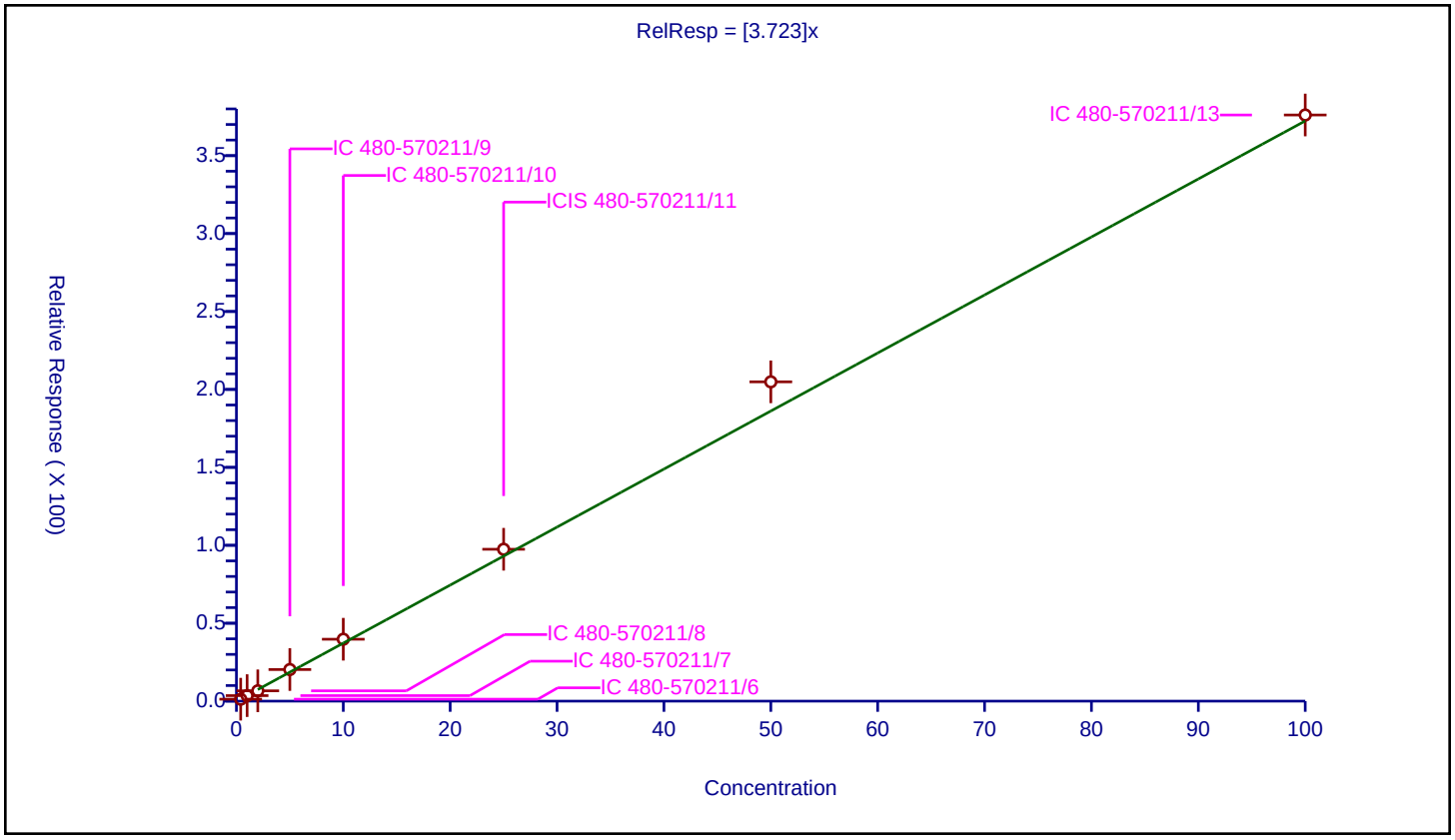
Curve Coefficients

Intercept:	0
Slope:	3.723

Error Coefficients

Standard Error:	2370000
Relative Standard Error:	9.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	1.25349	25.0	326269.0	3.133726	Y
2	IC 480-570211/7	1.0	3.549083	25.0	348097.0	3.549083	Y
3	IC 480-570211/8	2.0	6.62885	25.0	345965.0	3.314425	Y
4	IC 480-570211/9	5.0	20.28039	25.0	322622.0	4.056078	Y
5	IC 480-570211/10	10.0	39.726714	25.0	332637.0	3.972671	Y
6	ICIS 480-570211/11	25.0	97.443987	25.0	349294.0	3.897759	Y
7	IC 480-570211/12	50.0	204.868342	25.0	333630.0	4.097367	Y
8	IC 480-570211/13	100.0	376.079358	25.0	362507.0	3.760794	Y



Calibration / 1,2,3-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

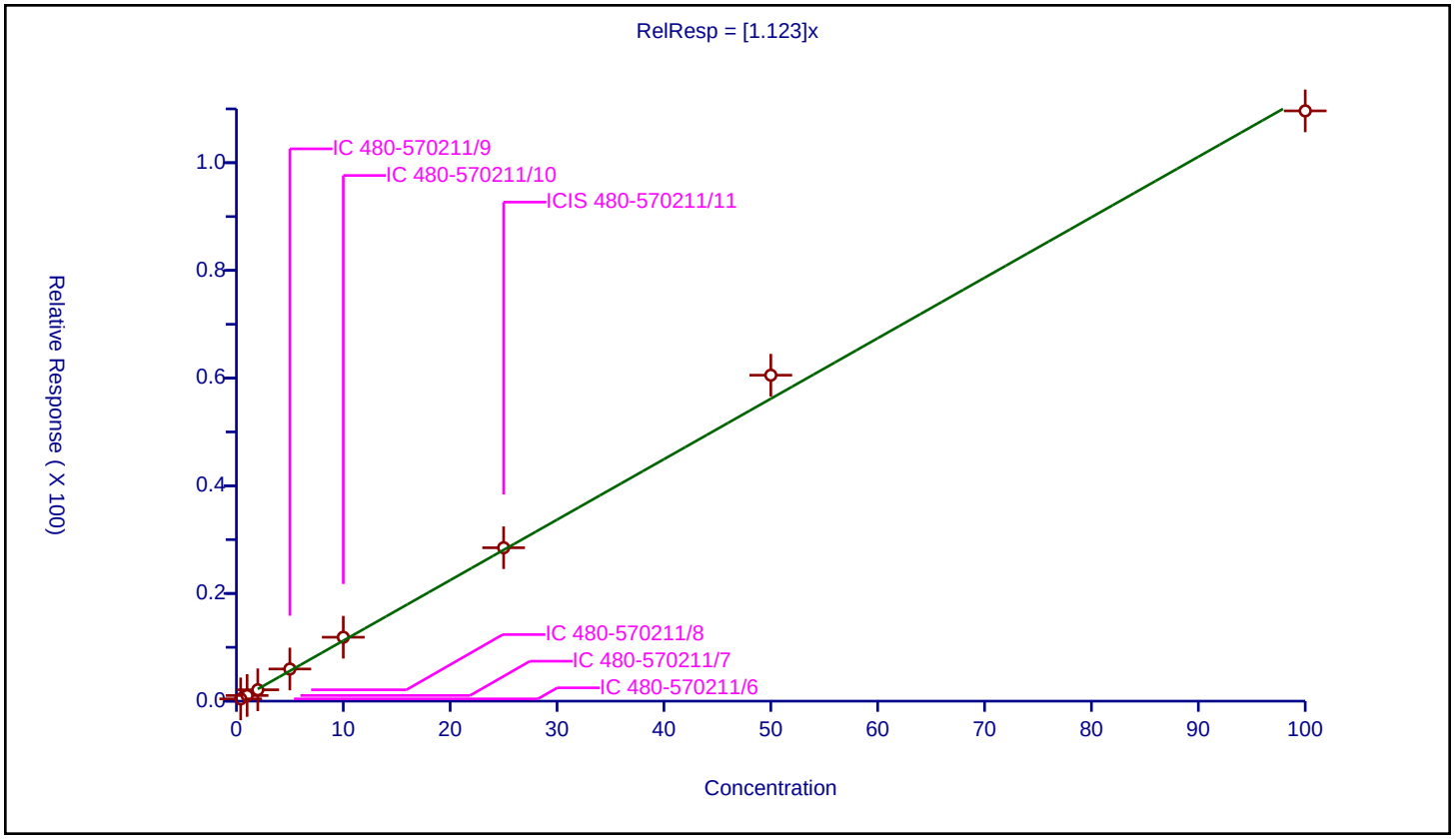
Curve Coefficients

Intercept:	0
Slope:	1.123

Error Coefficients

Standard Error:	694000
Relative Standard Error:	6.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-570211/6	0.4	0.42373	25.0	326269.0	1.059325	Y
2	IC 480-570211/7	1.0	1.045973	25.0	348097.0	1.045973	Y
3	IC 480-570211/8	2.0	2.107439	25.0	345965.0	1.053719	Y
4	IC 480-570211/9	5.0	5.971927	25.0	322622.0	1.194385	Y
5	IC 480-570211/10	10.0	11.869395	25.0	332637.0	1.18694	Y
6	ICIS 480-570211/11	25.0	28.488752	25.0	349294.0	1.13955	Y
7	IC 480-570211/12	50.0	60.53952	25.0	333630.0	1.21079	Y
8	IC 480-570211/13	100.0	109.627331	25.0	362507.0	1.096273	Y



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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 568824

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/09/2021 15:22 Calibration End Date: 02/09/2021 18:11 Calibration ID: 41001

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-568824/5	N8849.D
Level 2	IC 480-568824/6	N8850.D
Level 3	IC 480-568824/7	N8851.D
Level 4	IC 480-568824/8	N8852.D
Level 5	IC 480-568824/9	N8853.D
Level 6	ICIS 480-568824/10	N8854.D
Level 7	IC 480-568824/11	N8855.D
Level 8	IC 480-568824/12	N8856.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.9171 1.1867	1.5352 1.1336	1.3232 1.3173	1.2982	1.4330	Ave		1.2680			0.1000	15.0		20.0			
Chloromethane	+++++ 1.9751	2.2573 1.8800	2.1615 2.0478	1.9952	2.1741	Ave		2.0701			0.1000	6.4		20.0			
Vinyl chloride	+++++ 1.4938	1.8195 1.3672	1.6677 1.5623	1.5411	1.6657	Ave		1.5882			0.1000	9.1		20.0			
Butadiene	1.4695 1.7207	2.4880 1.6950	2.1045 1.8970	1.9911	2.0038	Ave		1.9212				16.0		20.0			
Bromomethane	+++++ 0.8542	1.3747 0.7984	0.7369 0.8854	0.8793	0.9546	Lin1	0.2726	0.8534			0.1000				0.9960		0.9900
Chloroethane	1.1424 0.9034	1.1978 0.8585	1.2103 0.9545	0.9689	1.0237	Ave		1.0324			0.1000	13.1		20.0			
Trichlorofluoromethane	+++++ 1.6829	1.5902 1.6038	1.9002 1.8641	1.6429	1.8869	Ave		1.7387			0.1000	8.0		20.0			
Dichlorofluoromethane	1.7048 1.9887	2.5884 1.9006	2.0446 2.0672	2.0545	2.1694	Ave		2.0648				12.3		20.0			
Ethyl ether	+++++ 1.5205	1.6085 1.5359	1.4262 1.5406	1.4736	1.5984	Ave		1.5291				4.2		20.0			
Acrolein	0.1924 0.2450	0.2914 0.2500	0.2842 0.2389	0.2411	0.2452	Ave		0.2485				12.2		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 1.0842	0.5035 1.0314	0.7603 1.1436	0.9285	1.1705	Lin1	-0.6477	1.1188			0.1000				0.9970		0.9900
1,1-Dichloroethene	0.7585 1.1033	1.0004 1.0557	0.9305 1.1463	1.0506	1.1053	Ave		1.0188			0.1000	12.3		20.0			
Acetone	0.6981 0.8247	0.9174 0.8555	0.8880 0.8469	0.8067	0.8663	Ave		0.8380			0.1000	7.9		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 568824

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/09/2021 15:22 Calibration End Date: 02/09/2021 18:11 Calibration ID: 41001

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Iodomethane	1.6322 2.1253	2.4357 1.9890	2.0014 2.0953	2.0332	2.1101	Ave		2.0528				10.8		20.0			
Carbon disulfide	3.2089 3.8423	3.3432 3.6426	3.3420 4.0217	3.4879	3.8075	Ave		3.5870			0.1000	8.0		20.0			
Allyl chloride	2.6067 3.5576	3.5306 3.3672	3.3604 3.5000	3.0791	3.3929	Ave		3.2993				9.6		20.0			
Methyl acetate	1.7310 2.0686	2.2279 2.1284	2.1002 2.1124	2.0130	2.1093	Ave		2.0613			0.1000	7.1		20.0			
Methylene Chloride	3.6702 1.4211	2.9215 1.3678	1.8139 1.3605	1.6406	1.5261	Lin1	1.2669	1.3524			0.1000				0.9990		0.9900
2-Methyl-2-propanol	0.1926 0.2770	0.2590 0.3011	0.2642 0.2887	0.2606	0.2750	Ave		0.2648				12.3		20.0			
Methyl tert-butyl ether	3.9179 4.6657	4.7121 4.7828	4.5277 4.6735	4.4181	4.7381	Ave		4.5545			0.1000	6.2		20.0			
trans-1,2-Dichloroethene	1.1955 1.3679	1.3237 1.3218	1.2028 1.3793	1.2941	1.3645	Ave		1.3062			0.1000	5.5		20.0			
Acrylonitrile	0.7613 0.9937	1.0084 1.0260	0.9684 1.0347	0.9134	0.9953	Ave		0.9627				9.3		20.0			
Hexane	+++++ 2.2326	1.2176 2.2872	1.5327 2.5018	1.8895	2.4163	Lin1	-1.573	2.4314							0.9980		0.9900
1,1-Dichloroethane	2.0029 2.7529	2.6847 2.7199	2.6292 2.8169	2.7579	2.8671	Ave		2.6539			0.2000	10.3		20.0			
Vinyl acetate	3.7751 5.0590	3.8693 5.5131	4.4832 5.5892	4.4679	4.8104	Ave		4.6959				14.5		20.0			
2,2-Dichloropropane	1.2464 1.7036	1.5733 1.5765	1.6002 1.6767	1.5048	1.7182	Ave		1.5750				9.6		20.0			
cis-1,2-Dichloroethene	1.3635 1.5486	1.6747 1.5234	1.4819 1.5385	1.4849	1.5542	Ave		1.5212			0.1000	5.7		20.0			
2-Butanone (MEK)	1.0398 1.2819	1.1779 1.3879	1.3109 1.3814	1.2531	1.3448	Ave		1.2722			0.1000	9.2		20.0			
Chlorobromomethane	0.5931 0.8133	0.9637 0.8126	0.7841 0.8099	0.7489	0.8237	Ave		0.7937				12.9		20.0			
Tetrahydrofuran	0.8815 0.8810	0.9158 0.9372	0.8088 0.9265	0.9115	0.9353	Ave		0.8997				4.7		20.0			
Chloroform	2.4974 2.5192	2.6813 2.5126	2.7705 2.5282	2.4434	2.5668	Ave		2.5649			0.2000	4.2		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 568824

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/09/2021 15:22 Calibration End Date: 02/09/2021 18:11 Calibration ID: 41001

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1,1-Trichloroethane	+++++ 2.0907	2.0525 2.0404	1.9137 2.2087	2.0126	2.0513	Ave		2.0528			0.1000	4.3		20.0			
Cyclohexane	2.1593 2.8323	1.7462 2.7849	2.1351 3.1135	2.4084	2.8860	Ave		2.5082			0.1000	18.7		20.0			
Carbon tetrachloride	1.3828 1.8392	1.4692 1.7807	1.5800 1.9873	1.6011	1.8369	Ave		1.6846			0.1000	12.4		20.0			
1,1-Dichloropropene	1.2958 1.9319	1.4427 1.8601	1.6644 2.0060	1.7092	1.9192	Ave		1.7287				14.6		20.0			
Benzene	4.3237 5.7963	5.8831 5.7319	5.4925 5.9879	5.3424	5.8051	Ave		5.5454			0.5000	9.7		20.0			
Isobutyl alcohol	0.1035 0.1281	0.1246 0.1430	0.1141 0.1514	0.1091	0.1331	Ave		0.1259				13.2		20.0			
1,2-Dichloroethane	1.9191 2.4384	2.3713 2.4621	2.4377 2.4313	2.3774	2.4578	Ave		2.3619			0.1000	7.7		20.0			
n-Heptane	2.4275 2.6947	1.6590 2.9712	2.5068 3.1205	2.5936	2.9558	Ave		2.6161				17.5		20.0			
Trichloroethene	1.1039 1.4228	1.2775 1.4265	1.4102 1.5085	1.3926	1.4698	Ave		1.3765			0.2000	9.4		20.0			
Methylcyclohexane	+++++ 2.1362	1.0572 2.1592	1.4710 2.4304	1.9474	2.1759	Lin1	-1.595	2.3371			0.1000				0.9970		0.9900
1,2-Dichloropropane	1.5167 1.5649	1.5605 1.5638	1.4974 1.5843	1.4788	1.4708	Ave		1.5296			0.1000	2.9		20.0			
Dibromomethane	+++++ 0.9301	0.8907 0.9507	0.8260 0.9432	0.9011	0.9369	Ave		0.9112			0.1000	4.8		20.0			
1,4-Dioxane	+++++ 0.0051	0.0052 0.0056	0.0049 0.0053	0.0056	0.0059	Ave		0.0054				6.8		20.0			
Bromodichloromethane	+++++ 1.8542	1.7427 1.8945	1.7157 1.9641	1.8345	1.8252	Ave		1.8330			0.2000	4.6		20.0			
2-Chloroethyl vinyl ether	0.7909 1.0541	0.9059 1.1559	1.0029 1.1446	1.0561	1.0501	Ave		1.0200				11.9		20.0			
cis-1,3-Dichloropropene	1.6997 2.2903	1.9805 2.4782	2.3881 2.5099	2.1490	2.2459	Ave		2.2177			0.2000	12.3		20.0			
4-Methyl-2-pentanone (MIBK)	0.1629 0.2410	0.2410 0.2446	0.2165 0.2460	0.2235	0.2377	Ave		0.2267			0.1000	12.3		20.0			
Toluene	0.8723 1.0278	0.9782 0.9778	0.9152 1.0469	0.9554	1.0156	Ave		0.9736			0.4000	6.0		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 568824

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/09/2021 15:22 Calibration End Date: 02/09/2021 18:11 Calibration ID: 41001

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
trans-1,3-Dichloropropene	0.4254 0.6266	0.5713 0.6065	0.5557 0.6464	0.5671	0.5999	Ave		0.5749			0.1000	11.8		20.0			
Ethyl methacrylate	0.4011 0.5275	0.3944 0.5527	0.4955 0.5656	0.5121	0.5304	Ave		0.4974				13.1		20.0			
1,1,2-Trichloroethane	0.2375 0.2887	0.2419 0.2837	0.2647 0.2853	0.2733	0.2854	Ave		0.2701			0.1000	7.5		20.0			
Tetrachloroethene	0.2619 0.4089	0.3427 0.4015	0.3817 0.4282	0.3662	0.4198	Ave		0.3764			0.2000	14.4		20.0			
1,3-Dichloropropane	0.4113 0.6137	0.5731 0.6050	0.5998 0.6210	0.5793	0.6055	Ave		0.5761				11.9		20.0			
2-Hexanone	0.3649 0.4809	0.4262 0.5010	0.4527 0.5031	0.4466	0.4787	Ave		0.4568			0.1000	10.0		20.0			
Dibromochloromethane	0.3062 0.4059	0.3427 0.4080	0.3496 0.4226	0.3487	0.3793	Ave		0.3704			0.1000	10.8		20.0			
1,2-Dibromoethane	0.2662 0.3927	0.3393 0.3873	0.3833 0.3961	0.3578	0.3659	Ave		0.3611				11.9		20.0			
Chlorobenzene	0.7355 1.1147	0.9958 1.0735	1.0487 1.1457	1.0326	1.1014	Ave		1.0310			0.5000	12.5		20.0			
Ethylbenzene	1.3911 1.9077	1.8317 1.8462	1.7619 1.9892	1.7273	1.8330	Ave		1.7860			0.1000	10.0		20.0			
1,1,1,2-Tetrachloroethane	0.3248 0.4115	0.3941 0.4035	0.3917 0.4233	0.3684	0.3975	Ave		0.3893				7.9		20.0			
m,p-Xylene	0.6276 0.7313	0.6906 0.7097	0.6516 0.7653	0.7035	0.7138	Ave		0.6992			0.1000	6.2		20.0			
o-Xylene	0.6896 0.7420	0.7515 0.7035	0.6789 0.7541	0.6879	0.7454	Ave		0.7191			0.3000	4.5		20.0			
Styrene	0.8539 1.3044	1.1602 1.2554	1.1276 1.3223	1.1969	1.1801	Ave		1.1751			0.3000	12.5		20.0			
Bromoform	0.1799 0.2499	0.2231 0.2644	0.2095 0.2855	0.2127	0.2325	Ave		0.2322			0.1000	14.5		20.0			
Isopropylbenzene	2.9015 3.7360	3.1805 3.6298	3.4477 3.9074	3.5540	3.8084	Ave		3.5206			0.1000	9.6		20.0			
Bromobenzene	0.8755 0.8971	0.8900 0.9114	0.8529 0.9141	0.8615	0.9163	Ave		0.8898				2.7		20.0			
1,1,2,2-Tetrachloroethane	0.7775 0.9485	0.8233 0.9582	0.8859 0.9511	0.9342	0.9706	Ave		0.9062			0.3000	7.8		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 568824

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/09/2021 15:22 Calibration End Date: 02/09/2021 18:11 Calibration ID: 41001

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
N-Propylbenzene	3.3664 4.2398	3.5766 4.1786	3.8458 4.4208	4.0413	4.1822	Ave		3.9814				9.0		20.0			
1,2,3-Trichloropropane	+++++ 0.3056	0.2030 0.3050	0.3161 0.3039	0.2798	0.3106	Ave		0.2891				13.7		20.0			
trans-1,4-Dichloro-2-butene	0.2349 0.4045	0.2465 0.4388	0.3907 0.4291	0.4027	0.4137	Lin1	-0.1244	0.4303							0.9990		0.9900
2-Chlorotoluene	0.6537 0.8813	0.8146 0.8363	0.8790 0.8596	0.8403	0.8844	Ave		0.8312				9.1		20.0			
1,3,5-Trimethylbenzene	2.3129 3.1540	2.7662 3.0907	2.9711 3.2803	3.0725	3.0682	Ave		2.9645				10.2		20.0			
4-Chlorotoluene	2.2059 2.6627	2.5596 2.6674	2.4982 2.7809	2.4996	2.5991	Ave		2.5592				6.7		20.0			
tert-Butylbenzene	0.6045 0.6878	0.5478 0.6725	0.6599 0.7005	0.6291	0.6851	Ave		0.6484				8.0		20.0			
1,2,4-Trimethylbenzene	2.4937 3.2198	3.0168 3.1573	3.0014 3.3324	3.0462	3.1482	Ave		3.0520				8.2		20.0			
sec-Butylbenzene	2.8686 3.8959	3.2212 3.8382	3.4747 4.1880	3.6276	3.9285	Ave		3.6303				11.8		20.0			
1,3-Dichlorobenzene	1.4486 1.7610	1.6390 1.7541	1.7677 1.7988	1.7219	1.7461	Ave		1.7046			0.6000	6.7		20.0			
4-Isopropyltoluene	2.9220 3.5222	2.8753 3.4695	3.2565 3.7835	3.2505	3.5220	Ave		3.3252				9.4		20.0			
1,4-Dichlorobenzene	1.7125 1.7650	1.7752 1.7715	1.7688 1.8262	1.7681	1.8337	Ave		1.7776			0.5000	2.1		20.0			
n-Butylbenzene	2.4460 2.9500	2.4334 2.9548	2.7034 3.1563	2.8619	2.9896	Ave		2.8119				9.3		20.0			
1,2-Dichlorobenzene	1.5054 1.7610	1.5545 1.6955	1.6818 1.7706	1.7004	1.7977	Ave		1.6834			0.4000	6.2		20.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.1876	0.2206 0.2081	0.2064 0.2088	0.1866	0.2077	Ave		0.2037			0.0500	6.0		20.0			
1,2,4-Trichlorobenzene	1.0765 1.1972	1.2349 1.1959	1.1009 1.2379	1.2074	1.2405	Ave		1.1864			0.2000	5.3		20.0			
Hexachlorobutadiene	0.5046 0.5643	0.4688 0.5477	0.4382 0.5870	0.5183	0.5453	Ave		0.5218				9.6		20.0			
Naphthalene	2.5776 3.6944	3.4745 3.6611	3.4265 3.7932	3.3090	3.6832	Ave		3.4524				11.3		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 568824

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/09/2021 15:22 Calibration End Date: 02/09/2021 18:11 Calibration ID: 41001

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,3-Trichlorobenzene	0.8191 1.1763	1.1367 1.1608	1.1946 1.2074	1.1436	1.2777	Ave		1.1395				12.0		20.0			
Dibromofluoromethane (Surr)	1.2613 1.2763	1.3395 1.3157	1.2614 1.2868	1.3074	1.3715	Ave		1.3025				3.0		20.0			
1,2-Dichloroethane-d4 (Surr)	1.7138 1.6995	1.8197 1.7990	1.7260 1.7074	1.7903	1.7856	Ave		1.7552				2.7		20.0			
Toluene-d8 (Surr)	1.3355 1.3469	1.3389 1.3583	1.3491 1.3608	1.3416	1.4128	Ave		1.3555				1.8		20.0			
4-Bromofluorobenzene (Surr)	0.4121 0.4002	0.4105 0.4327	0.4034 0.4265	0.4019	0.4120	Ave		0.4124				2.8		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 568824

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/09/2021 15:22 Calibration End Date: 02/09/2021 18:11 Calibration ID: 41001

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-568824/5	N8849.D
Level 2	IC 480-568824/6	N8850.D
Level 3	IC 480-568824/7	N8851.D
Level 4	IC 480-568824/8	N8852.D
Level 5	IC 480-568824/9	N8853.D
Level 6	ICIS 480-568824/10	N8854.D
Level 7	IC 480-568824/11	N8855.D
Level 8	IC 480-568824/12	N8856.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	3765 247842	11707 479348	21128 1188737	53603	115313	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	+++++ 412508	17214 794946	34512 1848043	82379	174954	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	+++++ 311998	13875 578103	26628 1409915	63631	134042	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	6033 359390	18973 716716	33602 1711931	82211	161247	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Lin1	+++++ 178405	10483 337616	11766 799045	36304	76818	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	4690 188675	9134 363033	19325 861347	40003	82381	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	+++++ 351480	12127 678166	30340 1682275	67833	151839	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	6999 415350	19739 803655	32646 1865549	84826	174578	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	+++++ 317561	12266 649433	22772 1390278	60845	128625	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	3950 255900	11110 528598	22687 1078183	49769	98647	2.50 125	5.00 250	10.0 500	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Lin1	+++++ 226454	3840 436120	12139 1032010	38337	94192	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethene	FB	Ave	3114 230425	7629 446389	14858 1034489	43378	88946	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	14330	34981	70893	166543	348572	2.50	5.00	10.0	25.0	50.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 568824

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/09/2021 15:22 Calibration End Date: 02/09/2021 18:11 Calibration ID: 41001

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			861229	1808688	3821423			125	250	500		
Iodomethane	FB	Ave	6701 443884	18574 841053	31957 1890844	83949	169806	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	13174 802503	25495 1540282	53362 3629283	144012	306393	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Allyl chloride	FB	Ave	10702 743025	26924 1423813	53656 3158489	127132	273034	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	14213 864073	33979 1799989	67069 3812585	166225	339476	1.00 50.0	2.00 100	4.00 200	10.0	20.0
Methylene Chloride	FB	Lin1	15068 296816	22279 578369	28963 1227780	67737	122809	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	7906 578566	19751 1273259	42183 2605690	107616	221337	5.00 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	16085 974460	35934 2022394	72293 4217539	182420	381279	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	4908 285691	10094 558912	19205 1244688	53431	109806	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	31255 2075402	76896 4338626	154628 9337834	377119	800932	5.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Lin1	+++++ 466291	9285 967143	24473 2257730	78016	194440	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	8223 574960	20473 1150086	41980 2542052	113869	230723	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	30997 2113238	59014 4662386	143165 10087849	368948	774203	1.00 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	5117 355808	11998 666629	25551 1513074	62131	138267	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	5598 323438	12771 644180	23661 1388402	61309	125072	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	21345 1338647	44913 2934433	104654 6233322	258697	541093	2.50 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	2435 169862	7349 343593	12520 730918	30921	66285	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	7238 368001	13967 792619	25827 1672284	75269	150533	1.00 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	10253	20447	44237	100883	206551	0.500	1.00	2.00	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 568824

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/09/2021 15:22 Calibration End Date: 02/09/2021 18:11 Calibration ID: 41001

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			526157	1062465	2281556			25.0	50.0	100		
1,1,1-Trichloroethane	FB	Ave	+++++ 436661	15652 862791	30556 1993181	83097	165070	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	8865 591555	13316 1177575	34091 2809739	99440	232241	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	5677 384127	11204 752949	25228 1793395	66106	147820	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	5320 403493	11002 786536	26576 1810251	70569	154441	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Benzene	FB	Ave	17751 1210612	44864 2423710	87699 5403721	220580	467144	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Isobutyl alcohol	FB	Ave	10627 669073	23746 1511683	45546 3415973	112589	267820	12.5 625	25.0 1250	50.0 2500	125	250
1,2-Dichloroethane	FB	Ave	7879 509280	18083 1041091	38923 2194079	98162	197783	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	9966 562810	12651 1256348	40026 2816056	107086	237861	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	4532 297165	9742 603178	22516 1361318	57498	118278	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Lin1	+++++ 446160	8062 912996	23487 2193295	80404	175099	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	6227 326837	11900 661245	23909 1429759	61056	118354	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromomethane	FB	Ave	+++++ 194253	6792 402003	13189 851135	37206	75396	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBNZ d5	Ave	+++++ 73645	2771 177413	5565 353374	16864	33775	+++++ 500	20.0 1000	40.0 2000	100	200
Bromodichloromethane	FB	Ave	+++++ 387265	13290 801070	27395 1772466	75744	146875	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	3247 220158	6908 488753	16013 1032908	43604	84501	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	6978 478339	15103 1047912	38130 2265044	88730	180735	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Ave	11613	32308	61935	168000	337447	2.50	5.00	10.0	25.0	50.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 568824

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/09/2021 15:22 Calibration End Date: 02/09/2021 18:11 Calibration ID: 41001

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			872442	1953898	4097587			125	250	500		
Toluene	CBNZ d5	Ave	12434 744066	26228 1562013	52371 3488106	143605	288390	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	6063 453655	15319 968790	31801 2153532	85238	170363	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBNZ d5	Ave	5717 381858	10575 882914	28355 1884501	76978	150631	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBNZ d5	Ave	3386 209003	6486 453222	15148 950686	41084	81056	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrachloroethene	CBNZ d5	Ave	3733 296042	9190 641317	21840 1426599	55044	119205	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichloropropane	CBNZ d5	Ave	5863 444289	15366 966399	34324 2068931	87075	171931	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBNZ d5	Ave	26007 1740780	57136 4001404	129533 8380283	335675	679654	2.50 125	5.00 250	10.0 500	25.0	50.0
Dibromochloromethane	CBNZ d5	Ave	4365 293823	9188 651734	20007 1408080	52413	107720	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBNZ d5	Ave	3795 284255	9098 618767	21933 1319725	53777	103906	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Chlorobenzene	CBNZ d5	Ave	10484 807005	26700 1714807	60010 3817242	155218	312753	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBNZ d5	Ave	19828 1381071	49114 2949267	100821 6627470	259641	520529	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	4629	10566	22414	55384	112878	0.500	1.00	2.00	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 568824

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/09/2021 15:22 Calibration End Date: 02/09/2021 18:11 Calibration ID: 41001

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			297930	644509	1410269			25.0	50.0	100		
m,p-Xylene	CBNZ d5	Ave	8946 529384	18518 1133701	37285 2549892	105754	202694	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBNZ d5	Ave	9830 537151	20150 1123791	38847 2512305	103408	211678	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBNZ d5	Ave	12171 944280	31110 2005439	64526 4405525	179912	335119	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBNZ d5	Ave	2564 180912	5981 422410	11990 951106	31970	66019	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Isopropylbenzene	DCBd 4	Ave	20935 1430347	44856 2991913	102339 6900745	268173	558005	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCBd 4	Ave	6317 343474	12552 751229	25317 1614354	65005	134257	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	5610 363135	11611 789837	26297 1679627	70495	142205	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCBd 4	Ave	24290 1623258	50443 3444254	114157 7807418	304943	612774	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCBd 4	Ave	+++++ 117014	2863 251378	9383 536624	21110	45510	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,4-Dichloro-2-butene	DCBd 4	Lin1	1695 154863	3477 361718	11596 757859	30383	60621	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCBd 4	Ave	4717 337394	11489 689358	26091 1518117	63408	129582	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	16688	39013	88191	231843	449554	0.500	1.00	2.00	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 568824

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/09/2021 15:22 Calibration End Date: 02/09/2021 18:11 Calibration ID: 41001

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			1207523	2547532	5793277			25.0	50.0	100		
4-Chlorotoluene	DCBd 4	Ave	15916	36100	74156	188616	380814	0.500	1.00	2.00	5.00	10.0
			1019425	2198653	4911149			25.0	50.0	100		
tert-Butylbenzene	DCBd 4	Ave	4362	7726	19589	47469	100386	0.500	1.00	2.00	5.00	10.0
			263315	554308	1237074			25.0	50.0	100		
1,2,4-Trimethylbenzene	DCBd 4	Ave	17993	42548	89092	229858	461269	0.500	1.00	2.00	5.00	10.0
			1232715	2602478	5885165			25.0	50.0	100		
sec-Butylbenzene	DCBd 4	Ave	20698	45430	103142	273728	575599	0.500	1.00	2.00	5.00	10.0
			1491563	3163706	7396217			25.0	50.0	100		
1,3-Dichlorobenzene	DCBd 4	Ave	10452	23116	52471	129927	255835	0.500	1.00	2.00	5.00	10.0
			674232	1445835	3176802			25.0	50.0	100		
4-Isopropyltoluene	DCBd 4	Ave	21083	40552	96663	245274	516044	0.500	1.00	2.00	5.00	10.0
			1348504	2859785	6681849			25.0	50.0	100		
1,4-Dichlorobenzene	DCBd 4	Ave	12356	25037	52504	133414	268668	0.500	1.00	2.00	5.00	10.0
			675755	1460189	3225211			25.0	50.0	100		
n-Butylbenzene	DCBd 4	Ave	17649	34319	80246	215953	438037	0.500	1.00	2.00	5.00	10.0
			1129432	2435523	5574206			25.0	50.0	100		
1,2-Dichlorobenzene	DCBd 4	Ave	10862	21924	49921	128310	263391	0.500	1.00	2.00	5.00	10.0
			674208	1397549	3126978			25.0	50.0	100		
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	+++++	3111	6127	14078	30437	+++++	1.00	2.00	5.00	10.0
			71818	171524	368831			25.0	50.0	100		
1,2,4-Trichlorobenzene	DCBd 4	Ave	7767	17416	32678	91106	181758	0.500	1.00	2.00	5.00	10.0
			458370	985744	2186220			25.0	50.0	100		
Hexachlorobutadiene	DCBd 4	Ave	3641	6612	13008	39113	79893	0.500	1.00	2.00	5.00	10.0

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 568824

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/09/2021 15:22 Calibration End Date: 02/09/2021 18:11 Calibration ID: 41001

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			216057	451464	1036718			25.0	50.0	100		
Naphthalene	DCBd 4	Ave	18598	49003	101711	249687	539655	0.500	1.00	2.00	5.00	10.0
			1414447	3017726	6699064			25.0	50.0	100		
1,2,3-Trichlorobenzene	DCBd 4	Ave	5910	16032	35459	86290	187204	0.500	1.00	2.00	5.00	10.0
			450374	956824	2132294			25.0	50.0	100		
Dibromofluoromethane (Surr)	FB	Ave	258911	255363	251763	269912	275914	25.0	25.0	25.0	25.0	25.0
			266561	278168	290320			25.0	25.0	25.0		
1,2-Dichloroethane-d4 (Surr)	FB	Ave	351796	346919	344493	369596	359227	25.0	25.0	25.0	25.0	25.0
			354950	380346	385215			25.0	25.0	25.0		
Toluene-d8 (Surr)	CBNZ d5	Ave	951776	897524	965047	1008354	1002980	25.0	25.0	25.0	25.0	25.0
			975035	1084943	1133490			25.0	25.0	25.0		
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	293707	275147	288552	302041	292495	25.0	25.0	25.0	25.0	25.0
			289717	345587	355264			25.0	25.0	25.0		

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 568824

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/09/2021 15:22 Calibration End Date: 02/09/2021 18:11 Calibration ID: 41001

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-568824/5	N8849.D
Level 2	IC 480-568824/6	N8850.D
Level 3	IC 480-568824/7	N8851.D
Level 4	IC 480-568824/8	N8852.D
Level 5	IC 480-568824/9	N8853.D
Level 6	ICIS 480-568824/10	N8854.D
Level 7	IC 480-568824/11	N8855.D
Level 8	IC 480-568824/12	N8856.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Dichlorodifluoromethane	-27.7						30					
Chloromethane	+++++	9.0						30				
Vinyl chloride	+++++	14.6						30				
Butadiene	-23.5						30					
Bromomethane	+++++	29.1						30				
Chloroethane	10.6						30					
Trichlorofluoromethane	+++++	-8.5						30				
Dichlorofluoromethane	-17.4						30					
Ethyl ether	+++++	5.2						30				
Acrolein	-22.6						30					
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++	2.8						30				
1,1-Dichloroethene	-25.6						30					
Acetone	-16.7						30					
Iodomethane	-20.5						30					
Carbon disulfide	-10.5						30					

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 568824

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/09/2021 15:22 Calibration End Date: 02/09/2021 18:11 Calibration ID: 41001

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Allyl chloride	-21.0						30					
Methyl acetate	-16.0						30					
Methylene Chloride	-16.0						30					
2-Methyl-2-propanol	-27.3						30					
Methyl tert-butyl ether	-14.0						30					
trans-1,2-Dichloroethene	-8.5						30					
Acrylonitrile	-20.9						30					
Hexane	+++++	14.8						30				
1,1-Dichloroethane	-24.5						30					
Vinyl acetate	-19.6						30					
2,2-Dichloropropane	-20.9						30					
cis-1,2-Dichloroethene	-10.4						30					
2-Butanone (MEK)	-18.3						30					
Chlorobromomethane	-25.3						30					
Tetrahydrofuran	-2.0						30					
Chloroform	-2.6						30					
1,1,1-Trichloroethane	+++++	0.0						30				
Cyclohexane	-13.9						30					
Carbon tetrachloride	-17.9						30					
1,1-Dichloropropene	-25.0						30					
Benzene	-22.0						30					

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 568824

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/09/2021 15:22 Calibration End Date: 02/09/2021 18:11 Calibration ID: 41001

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Isobutyl alcohol	-17.7						30					
1,2-Dichloroethane	-18.7						30					
n-Heptane	-7.2						30					
Trichloroethene	-19.8						30					
Methylcyclohexane	+++++	13.5						30				
1,2-Dichloropropane	-0.8						30					
Dibromomethane	+++++	-2.3						30				
1,4-Dioxane	+++++	-3.6						30				
Bromodichloromethane	+++++	-4.9						30				
2-Chloroethyl vinyl ether	-22.5						30					
cis-1,3-Dichloropropene	-23.4						30					
4-Methyl-2-pentanone (MIBK)	-28.1						30					
Toluene	-10.4						30					
trans-1,3-Dichloropropene	-26.0						30					
Ethyl methacrylate	-19.4						30					
1,1,2-Trichloroethane	-12.0						30					
Tetrachloroethene	-30.4 *						30					
1,3-Dichloropropane	-28.6						30					
2-Hexanone	-20.1						30					
Dibromochloromethane	-17.3						30					
1,2-Dibromoethane	-26.3						30					

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 568824

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/09/2021 15:22 Calibration End Date: 02/09/2021 18:11 Calibration ID: 41001

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Chlorobenzene	-28.7						30					
Ethylbenzene	-22.1						30					
1,1,1,2-Tetrachloroethane	-16.6						30					
m,p-Xylene	-10.2						30					
o-Xylene	-4.1						30					
Styrene	-27.3						30					
Bromoform	-22.5						30					
Isopropylbenzene	-17.6						30					
Bromobenzene	-1.6						30					
1,1,2,2-Tetrachloroethane	-14.2						30					
N-Propylbenzene	-15.4						30					
1,2,3-Trichloropropane	+++++	-29.8						30				
trans-1,4-Dichloro-2-butene	12.4						30					
2-Chlorotoluene	-21.3						30					
1,3,5-Trimethylbenzene	-22.0						30					
4-Chlorotoluene	-13.8						30					
tert-Butylbenzene	-6.8						30					
1,2,4-Trimethylbenzene	-18.3						30					
sec-Butylbenzene	-21.0						30					
1,3-Dichlorobenzene	-15.0						30					
4-Isopropyltoluene	-12.1						30					

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 568824

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/09/2021 15:22 Calibration End Date: 02/09/2021 18:11 Calibration ID: 41001

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
1,4-Dichlorobenzene	-3.7						30					
n-Butylbenzene	-13.0						30					
1,2-Dichlorobenzene	-10.6						30					
1,2-Dibromo-3-Chloropropane	+++++	8.3						30				
1,2,4-Trichlorobenzene	-9.3						30					
Hexachlorobutadiene	-3.3						30					
Naphthalene	-25.3						30					
1,2,3-Trichlorobenzene	-28.1						30					
Dibromofluoromethane (Surr)	-3.2						30					
1,2-Dichloroethane-d4 (Surr)	-2.4						30					
Toluene-d8 (Surr)	-1.5						30					
4-Bromofluorobenzene (Surr)	-0.1						30					

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210209-96556.b\N8849.D
Lims ID: IC 0.5
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 09-Feb-2021 15:22:30 ALS Bottle#: 18 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 0.5
Misc. Info.: 480-0096556-005
Operator ID: WD Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromfs\Buffalo\ChromData\HP5973N\20210209-96556.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 10-Feb-2021 12:37:58 Calib Date: 09-Feb-2021 18:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20210209-96556.b\N8856.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1668

First Level Reviewer: moffata Date: 10-Feb-2021 12:13:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.574	5.568	0.006	98	205275	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.579	8.579	0.000	87	712699	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.958	10.958	0.000	97	360766	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.990	4.983	0.007	92	258911	25.0	24.2	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.300	5.294	0.006	98	351796	25.0	24.4	
$ 6 Toluene-d8 (Surr)	98	7.088	7.088	0.000	94	951776	25.0	24.6	
$ 7 4-Bromofluorobenzene (Surr)	174	9.832	9.832	0.000	91	293707	25.0	25.0	
11 Dichlorodifluoromethane	85	1.315	1.309	0.006	27	3765	0.5000	0.3616	
13 Chloromethane	50	1.504	1.498	0.006	3	5344	0.5000	0.3144	a
14 Vinyl chloride	62	1.607	1.595	0.012	69	4323	0.5000	0.3315	
144 Butadiene	54	1.607	1.601	0.006	70	6033	0.5000	0.3824	
15 Bromomethane	94	1.930	1.923	0.007	1	3923	0.5000	0.2404	a
16 Chloroethane	64	2.009	1.996	0.013	27	4690	0.5000	0.5532	
18 Trichlorofluoromethane	101	2.228	2.234	-0.006	41	4037	0.5000	0.2828	
17 Dichlorofluoromethane	67	2.246	2.240	0.006	17	6999	0.5000	0.4128	
19 Ethyl ether	59	2.544	2.538	0.006	67	4171	0.5000	0.3322	
20 Acrolein	56	2.727	2.726	0.001	51	3950	2.50	1.94	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.769	2.751	0.018	71	3670	0.5000	0.9777	Ma
22 1,1-Dichloroethene	96	2.757	2.763	-0.006	84	3114	0.5000	0.3722	a
23 Acetone	43	2.885	2.891	-0.006	65	14330	2.50	2.08	a
24 Iodomethane	142	2.927	2.927	0.000	68	6701	0.5000	0.3976	
25 Carbon disulfide	76	2.976	2.958	0.018	61	13174	0.5000	0.4473	
27 3-Chloro-1-propene	41	3.146	3.146	0.000	41	10702	0.5000	0.3950	
28 Methyl acetate	43	3.195	3.195	0.000	97	14213	1.00	0.8397	a
30 Methylene Chloride	84	3.298	3.292	0.006	92	15068	0.5000	0.4202	
31 2-Methyl-2-propanol	59	3.481	3.469	0.012	76	7906	5.00	3.64	
32 Methyl tert-butyl ether	73	3.517	3.511	0.006	96	16085	0.5000	0.4301	
33 trans-1,2-Dichloroethene	96	3.530	3.523	0.007	95	4908	0.5000	0.4576	
34 Acrylonitrile	53	3.584	3.584	0.000	100	31255	5.00	3.95	
35 Hexane	57	3.730	3.724	0.006	82	5441	0.5000	0.9196	a

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.955	3.955	0.000	92	8223	0.5000	0.3774	
39 Vinyl acetate	43	4.010	4.004	0.006	97	30997	1.00	0.8039	
42 2,2-Dichloropropane	77	4.473	4.479	-0.007	8	5117	0.5000	0.3957	
43 cis-1,2-Dichloroethene	96	4.515	4.515	0.000	34	5598	0.5000	0.4482	
44 2-Butanone (MEK)	43	4.552	4.545	0.007	97	21345	2.50	2.04	
47 Chlorobromomethane	128	4.752	4.752	0.000	24	2435	0.5000	0.3737	
49 Tetrahydrofuran	42	4.783	4.771	0.012	55	7238	1.00	0.9798	
50 Chloroform	83	4.838	4.831	0.007	88	10253	0.5000	0.4868	
51 1,1,1-Trichloroethane	97	4.941	4.941	0.000	74	5069	0.5000	0.3007	
52 Cyclohexane	56	4.947	4.947	0.000	83	8865	0.5000	0.4304	
53 Carbon tetrachloride	117	5.087	5.081	0.006	47	5677	0.5000	0.4104	
54 1,1-Dichloropropene	75	5.105	5.093	0.012	75	5320	0.5000	0.3748	
55 Benzene	78	5.306	5.300	0.006	42	17751	0.5000	0.3898	
56 Isobutyl alcohol	43	5.324	5.318	0.006	64	10627	12.5	10.3	
57 1,2-Dichloroethane	62	5.373	5.373	0.000	92	7879	0.5000	0.4063	
59 n-Heptane	43	5.476	5.476	0.000	92	9966	0.5000	0.4639	
60 Trichloroethene	95	5.908	5.914	-0.006	87	4532	0.5000	0.4010	
62 Methylcyclohexane	83	6.024	6.030	-0.006	83	7199	0.5000	1.06	
63 1,2-Dichloropropane	63	6.164	6.158	0.006	84	6227	0.5000	0.4958	a
64 Dibromomethane	93	6.304	6.298	0.006	32	2149	0.5000	0.2872	
66 1,4-Dioxane	88		6.298				ND	ND	U
67 Dichlorobromomethane	83	6.450	6.450	0.000	30	4038	0.5000	0.2683	
69 2-Chloroethyl vinyl ether	63	6.730	6.723	0.007	23	3247	0.5000	0.3877	
71 cis-1,3-Dichloropropene	75	6.863	6.863	0.000	87	6978	0.5000	0.3832	
72 4-Methyl-2-pentanone (MIBK)	58	7.009	7.009	0.000	96	11613	2.50	1.80	
73 Toluene	92	7.149	7.155	-0.006	99	12434	0.5000	0.4480	
75 trans-1,3-Dichloropropene	75	7.435	7.435	0.000	93	6063	0.5000	0.3700	
77 Ethyl methacrylate	69	7.472	7.472	0.000	85	5717	0.5000	0.4032	
78 1,1,2-Trichloroethane	83	7.630	7.630	0.000	85	3386	0.5000	0.4398	
79 Tetrachloroethene	166	7.691	7.691	0.000	83	3733	0.5000	0.3479	a
80 1,3-Dichloropropane	76	7.794	7.788	0.006	83	5863	0.5000	0.3570	
82 2-Hexanone	43	7.849	7.849	0.000	97	26007	2.50	2.00	
83 Chlorodibromomethane	129	8.037	8.031	0.006	8	4365	0.5000	0.4134	
84 Ethylene Dibromide	107	8.141	8.135	0.006	36	3795	0.5000	0.3687	
85 Chlorobenzene	112	8.609	8.609	0.000	87	10484	0.5000	0.3567	a
88 Ethylbenzene	91	8.695	8.701	-0.007	96	19828	0.5000	0.3894	
89 1,1,1,2-Tetrachloroethane	131	8.707	8.707	0.000	44	4629	0.5000	0.4171	
90 m-Xylene & p-Xylene	106	8.828	8.822	0.006	93	8946	0.5000	0.4488	
91 o-Xylene	106	9.242	9.254	-0.012	91	9830	0.5000	0.4795	
92 Styrene	104	9.272	9.278	-0.006	73	12171	0.5000	0.3633	
93 Bromoform	173	9.528	9.534	-0.006	1	2564	0.5000	0.3874	
95 Isopropylbenzene	105	9.625	9.631	-0.006	93	20935	0.5000	0.4121	
97 Bromobenzene	156	9.972	9.978	-0.006	90	6317	0.5000	0.4919	M
98 1,1,2,2-Tetrachloroethane	83	10.027	10.027	0.000	19	5610	0.5000	0.4290	
100 N-Propylbenzene	91	10.051	10.051	0.000	97	24290	0.5000	0.4228	
99 1,2,3-Trichloropropane	110	10.057	10.057	0.000	53	1169	0.5000	0.2802	
101 trans-1,4-Dichloro-2-butene	53	10.075	10.075	0.000	1	1695	0.5000	0.5620	
102 2-Chlorotoluene	126	10.155	10.161	-0.006	96	4717	0.5000	0.3933	
104 1,3,5-Trimethylbenzene	105	10.228	10.228	0.000	93	16688	0.5000	0.3901	
105 4-Chlorotoluene	91	10.270	10.270	0.000	95	15916	0.5000	0.4310	
106 tert-Butylbenzene	134	10.544	10.544	0.000	93	4362	0.5000	0.4662	
108 1,2,4-Trimethylbenzene	105	10.599	10.599	0.000	96	17993	0.5000	0.4085	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.751	10.751	0.000	93	20698	0.5000	0.3951	
111 4-Isopropyltoluene	119	10.891	10.891	0.000	97	21083	0.5000	0.4394	
110 1,3-Dichlorobenzene	146	10.891	10.891	0.000	69	10452	0.5000	0.4249	
113 1,4-Dichlorobenzene	146	10.976	10.976	0.000	94	12356	0.5000	0.4817	
115 n-Butylbenzene	91	11.268	11.274	-0.006	96	17649	0.5000	0.4349	
116 1,2-Dichlorobenzene	146	11.329	11.329	0.000	96	10862	0.5000	0.4471	
117 1,2-Dibromo-3-Chloropropane	75	12.047	12.059	-0.012	1	578	0.5000	0.1966	M
119 1,2,4-Trichlorobenzene	180	12.734	12.728	0.006	90	7767	0.5000	0.4537	
120 Hexachlorobutadiene	225	12.837	12.837	0.000	83	3641	0.5000	0.4835	
121 Naphthalene	128	12.947	12.947	0.000	95	18598	0.5000	0.3733	
122 1,2,3-Trichlorobenzene	180	13.142	13.148	-0.006	90	5910	0.5000	0.3594	
S 126 Xylenes, Total	1				0			0.9283	
S 124 1,2-Dichloroethene, Total	1				0			0.9058	
S 123 1,3-Dichloropropene, Total	1				0			0.7532	
S 125 Total BTEX	1				0			2.16	

QC Flag Legend

Processing Flags
- ND - Not Detected or Marked ND

Review Flags
- M - Manually Integrated
- U - Marked Undetected
- a - User Assigned ID

Reagents:

8260 CORP mix_00202	Amount Added:	0.50	Units: uL	
GAS CORP mix_00441	Amount Added:	0.50	Units: uL	
N_8260_Surr_00407	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00205	Amount Added:	1.00	Units: uL	Run Reagent

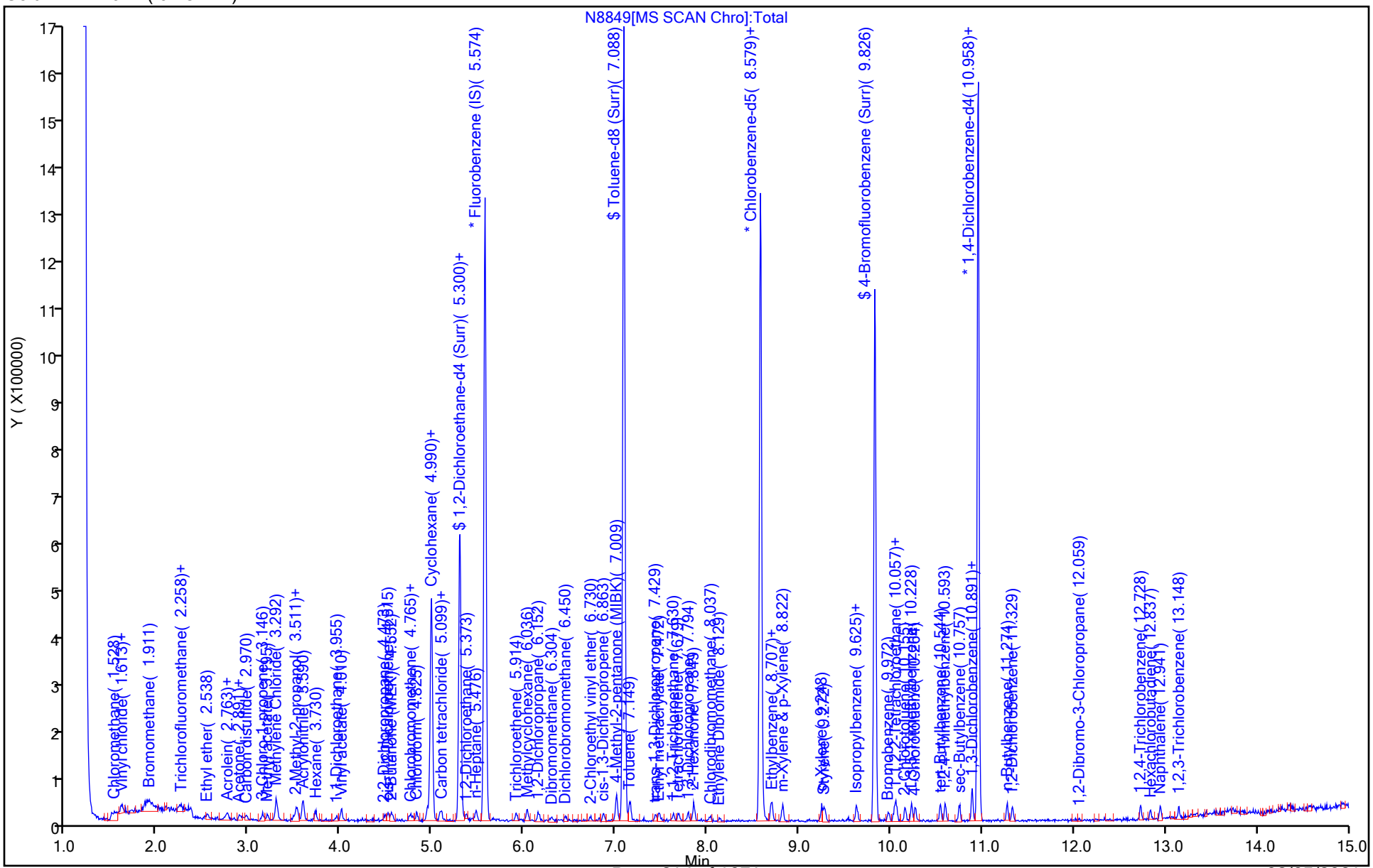
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Eurofins TestAmerica, Buffalo

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Injection Date:	09-Feb-2021 15:22:30	Instrument ID:	HP5973N	Operator ID:	WD
Lims ID:	IC 0.5			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

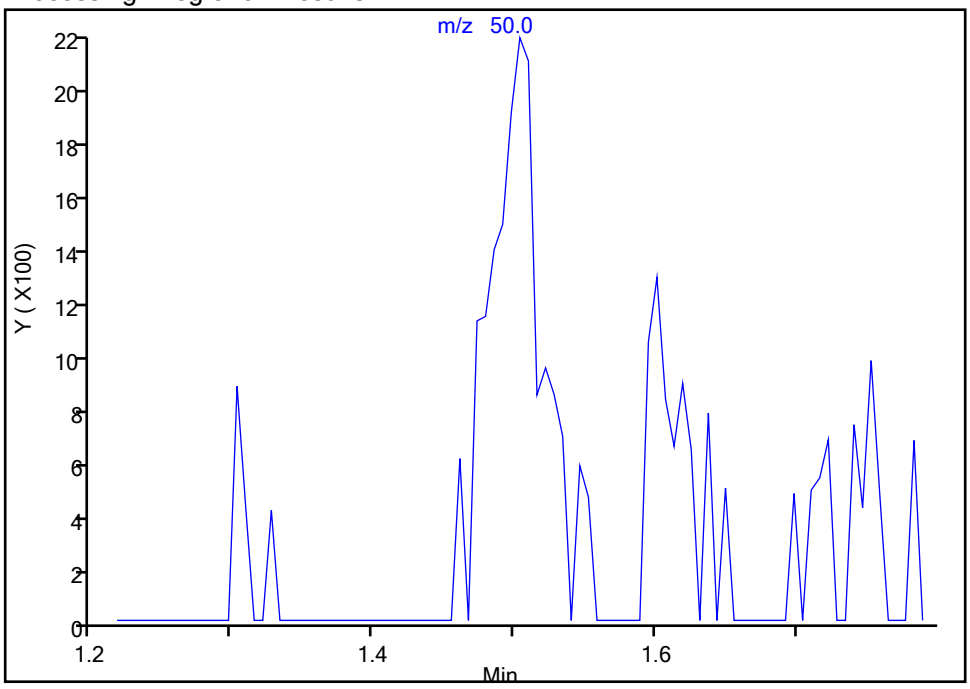
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Injection Date: 09-Feb-2021 15:22:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: WD ALS Bottle#: 18 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

13 Chloromethane, CAS: 74-87-3

Signal: 1

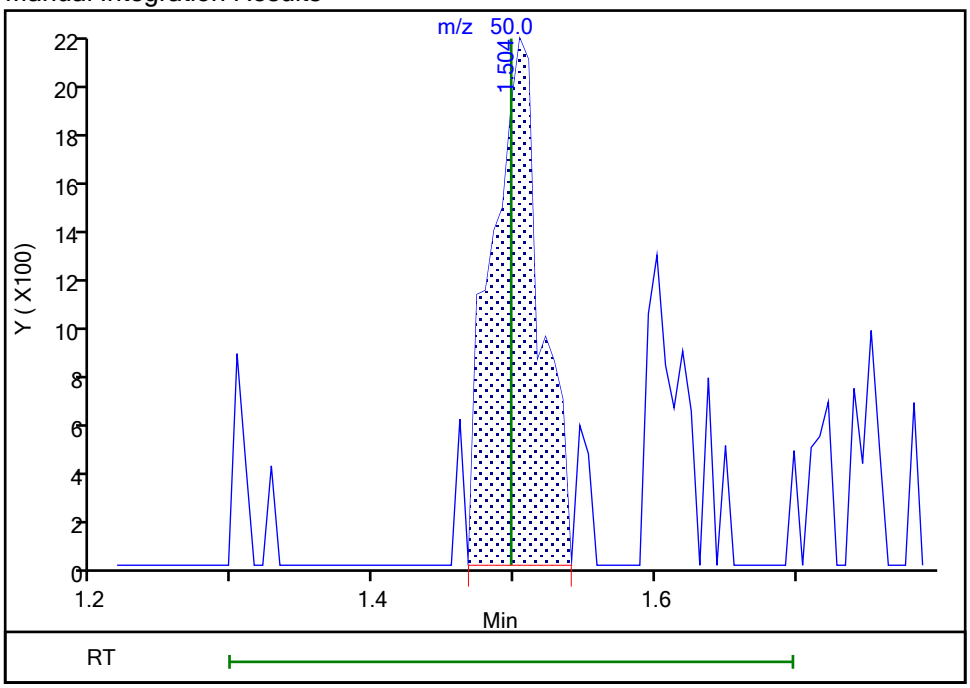
Not Detected
Expected RT: 1.50

Processing Integration Results



Manual Integration Results

RT: 1.50
Area: 5344
Amount: 0.314392
Amount Units: ug/L



Reviewer: moffata, 10-Feb-2021 09:15:59
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

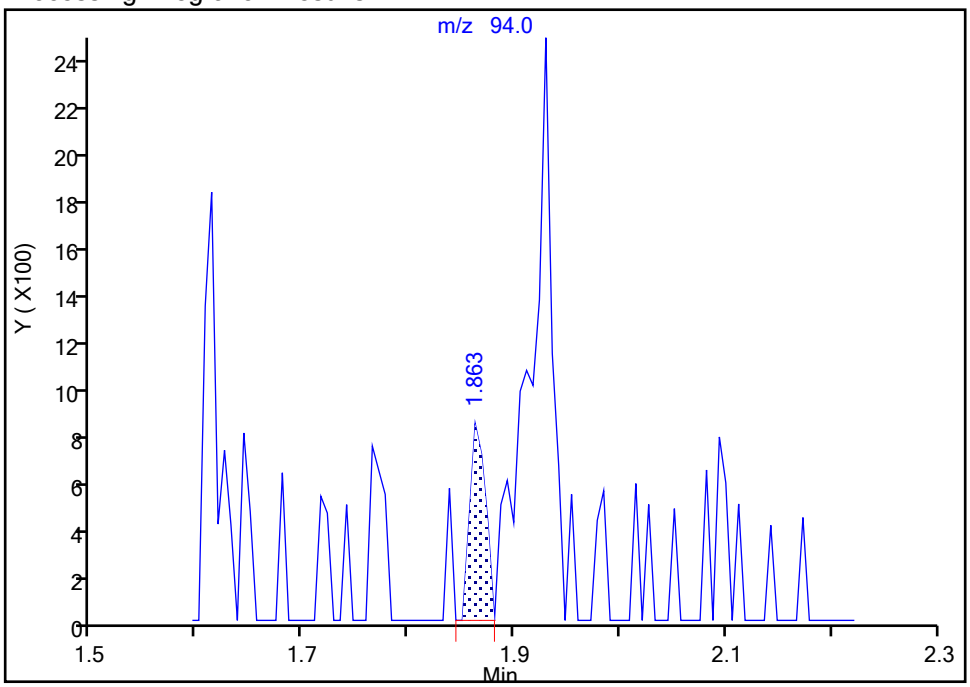
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Injection Date: 09-Feb-2021 15:22:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: WD ALS Bottle#: 18 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

15 Bromomethane, CAS: 74-83-9

Signal: 1

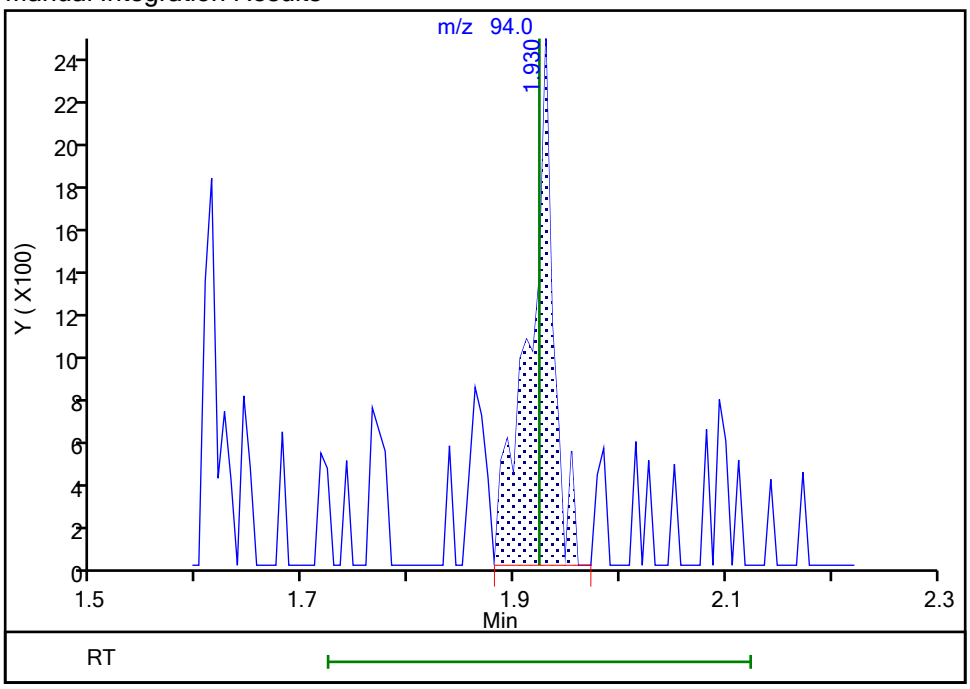
Processing Integration Results

RT: 1.86
Area: 866
Amount: 0.398093
Amount Units: ug/L



Manual Integration Results

RT: 1.93
Area: 3923
Amount: 0.240378
Amount Units: ug/L



Reviewer: moffata, 10-Feb-2021 09:16:03
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

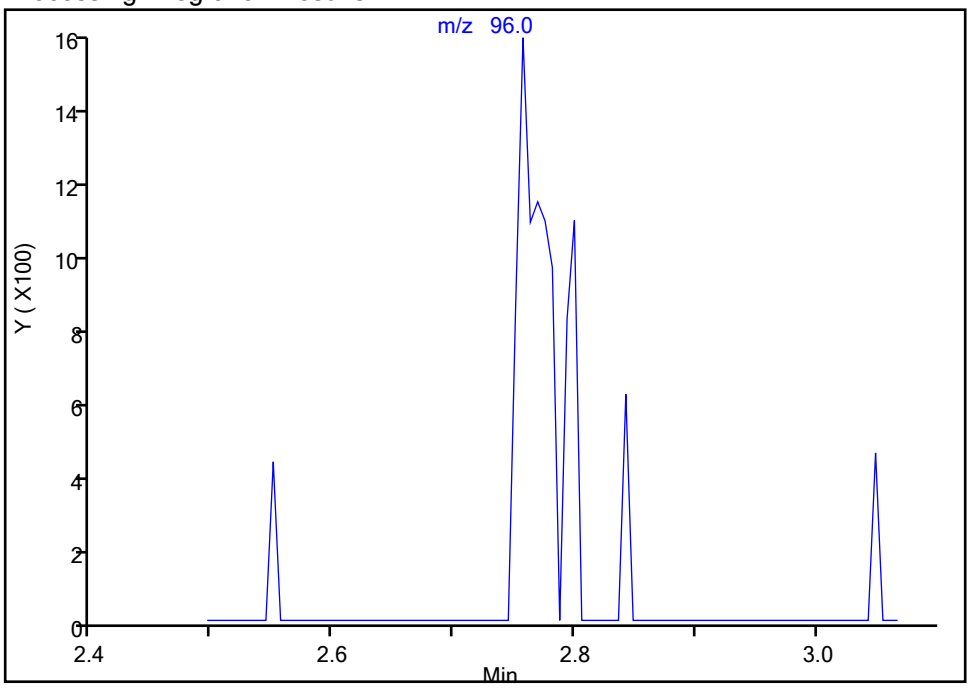
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Injection Date: 09-Feb-2021 15:22:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: WD ALS Bottle#: 18 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

22 1,1-Dichloroethene, CAS: 75-35-4

Signal: 1

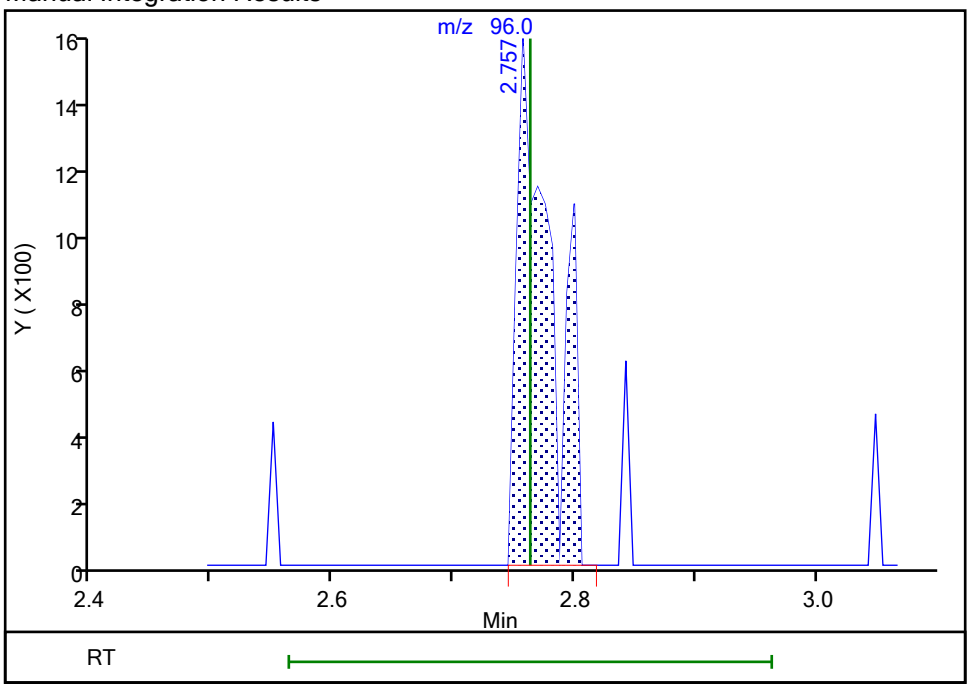
Not Detected
Expected RT: 2.76

Processing Integration Results



Manual Integration Results

RT: 2.76
Area: 3114
Amount: 0.372239
Amount Units: ug/L



Reviewer: moffata, 10-Feb-2021 09:16:18
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

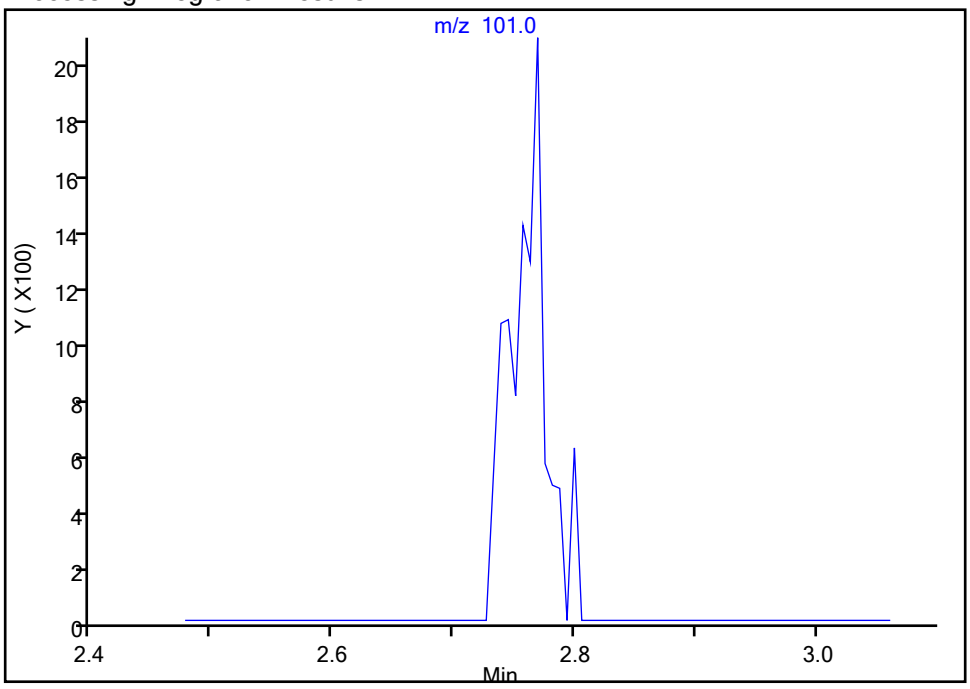
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Injection Date: 09-Feb-2021 15:22:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: WD ALS Bottle#: 18 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroe, CAS: 76-13-1

Signal: 1

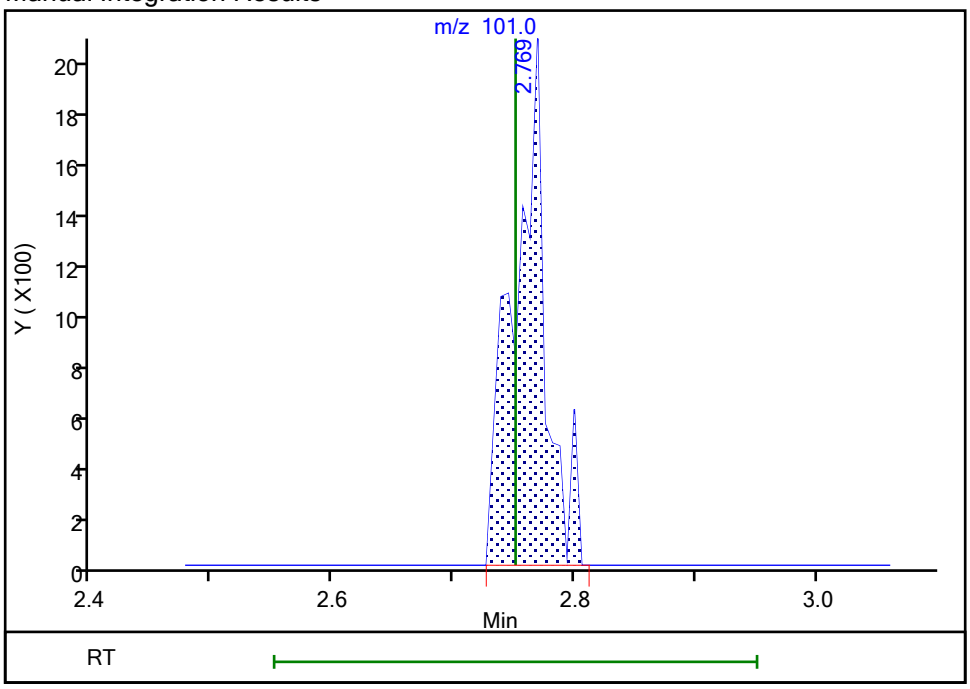
Not Detected
Expected RT: 2.75

Processing Integration Results



Manual Integration Results

RT: 2.77
Area: 3670
Amount: 0.977716
Amount Units: ug/L



Reviewer: moffata, 10-Feb-2021 09:16:16
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

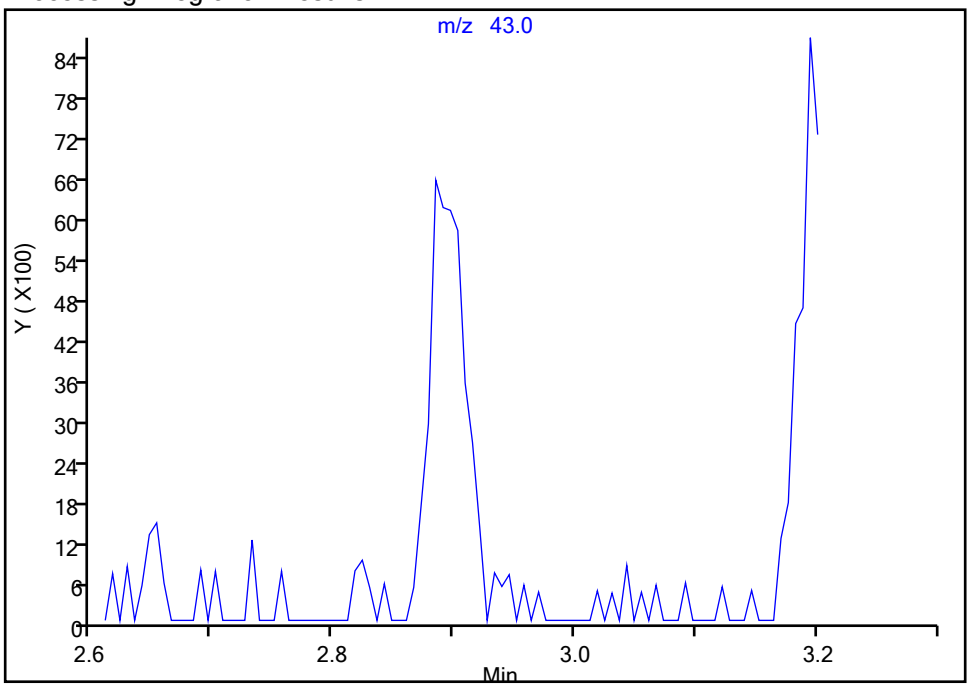
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Injection Date: 09-Feb-2021 15:22:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: WD ALS Bottle#: 18 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

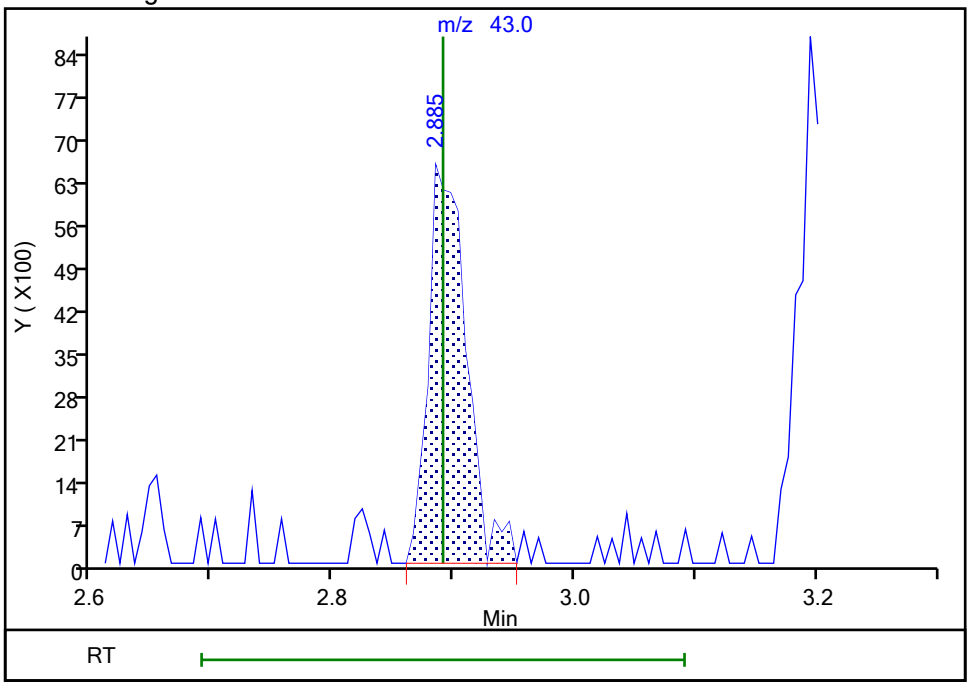
Not Detected
Expected RT: 2.89

Processing Integration Results



Manual Integration Results

RT: 2.88
Area: 14330
Amount: 2.082709
Amount Units: ug/L



Reviewer: moffata, 10-Feb-2021 09:16:20
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

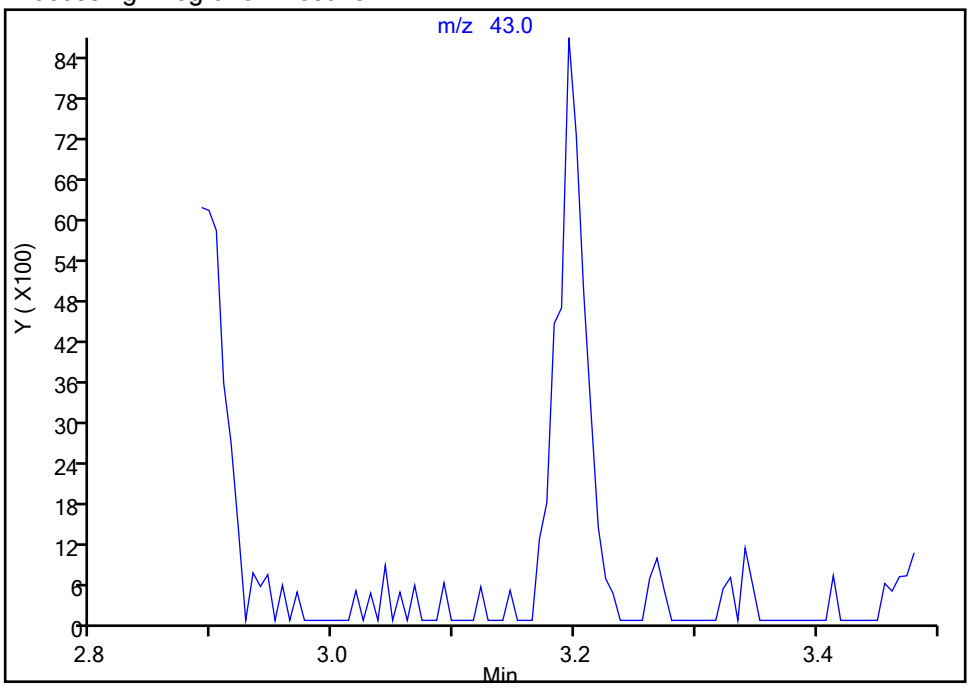
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Injection Date:	09-Feb-2021 15:22:30	Instrument ID:	HP5973N		
Lims ID:	IC 0.5				
Client ID:					
Operator ID:	WD	ALS Bottle#:	18	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

28 Methyl acetate, CAS: 79-20-9

Signal: 1

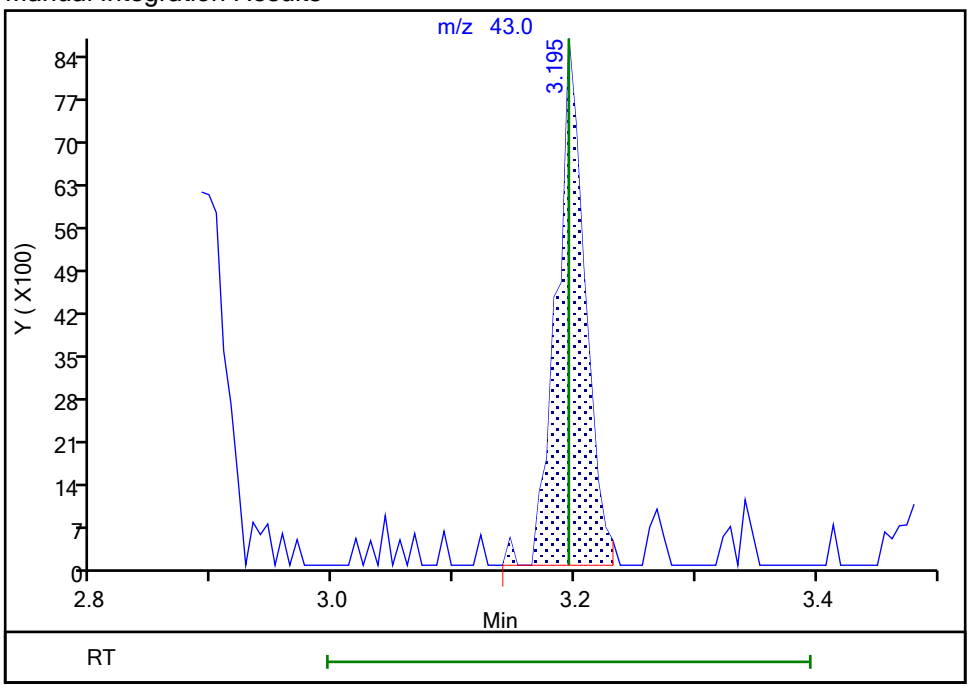
Not Detected
Expected RT: 3.19

Processing Integration Results



Manual Integration Results

RT: 3.19
Area: 14213
Amount: 0.839732
Amount Units: ug/L



Reviewer: moffata, 10-Feb-2021 09:16:23
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

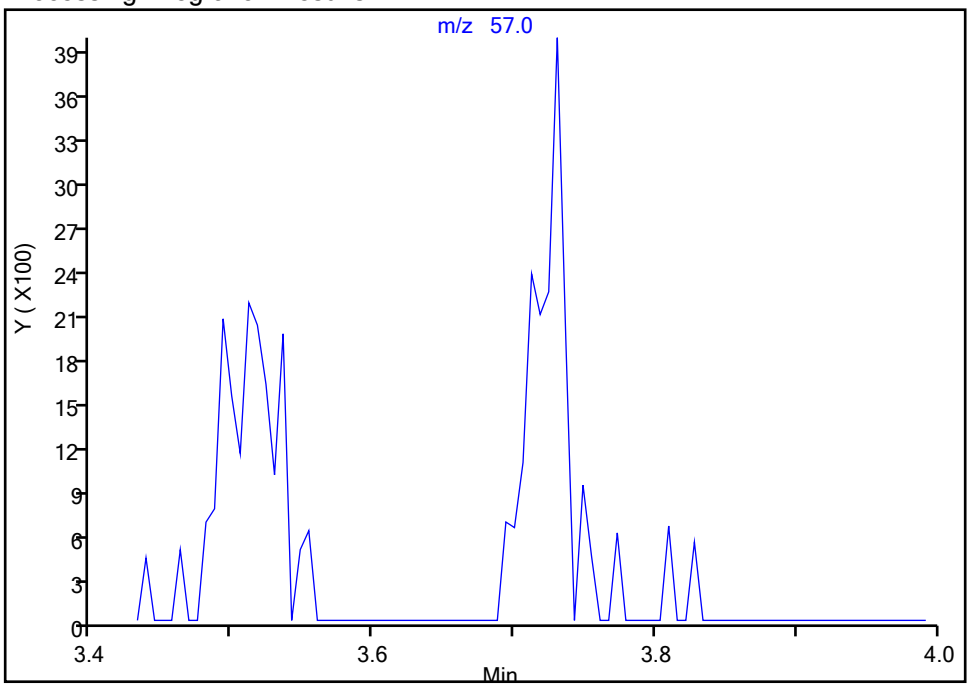
Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210209-96556.b\N8849.D
Injection Date: 09-Feb-2021 15:22:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: WD ALS Bottle#: 18 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

35 Hexane, CAS: 110-54-3

Signal: 1

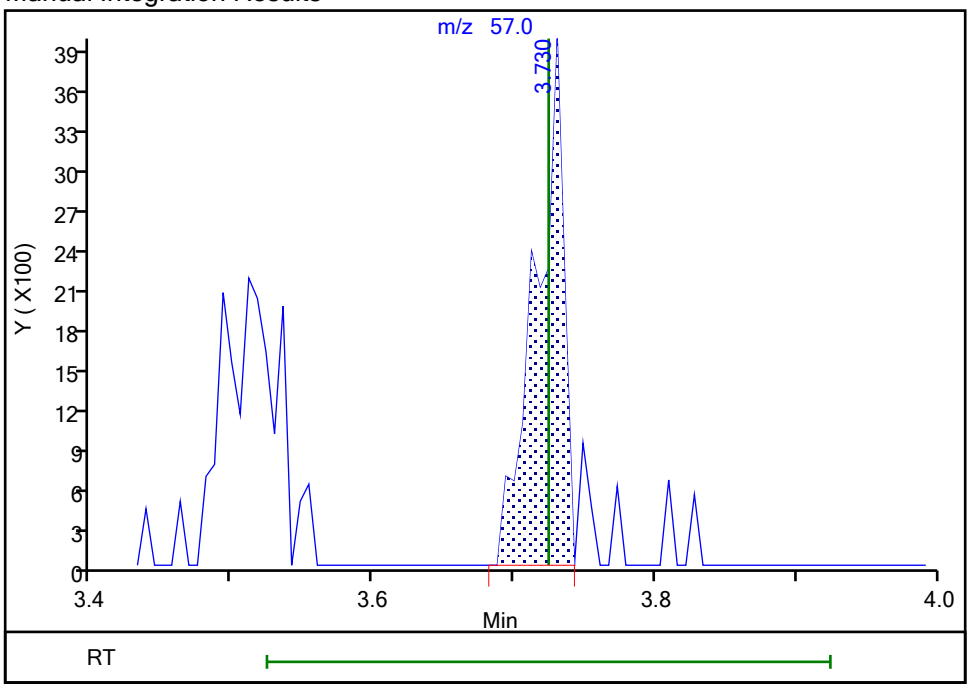
Not Detected
Expected RT: 3.72

Processing Integration Results



Manual Integration Results

RT: 3.73
Area: 5441
Amount: 0.919647
Amount Units: ug/L



Reviewer: moffata, 10-Feb-2021 09:16:27
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

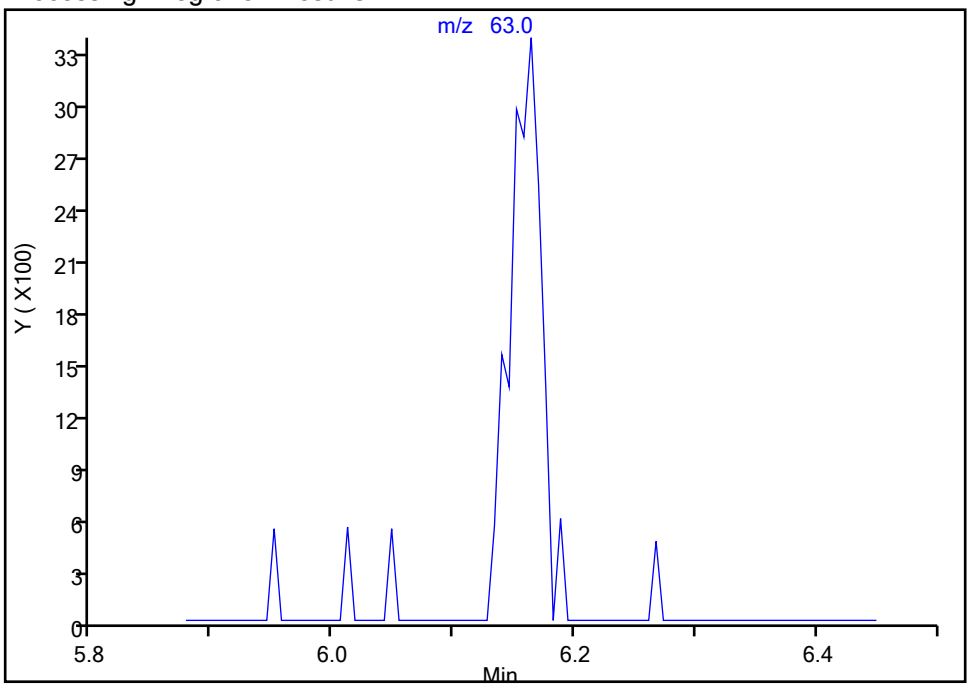
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Injection Date: 09-Feb-2021 15:22:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: WD ALS Bottle#: 18 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

63 1,2-Dichloropropane, CAS: 78-87-5

Signal: 1

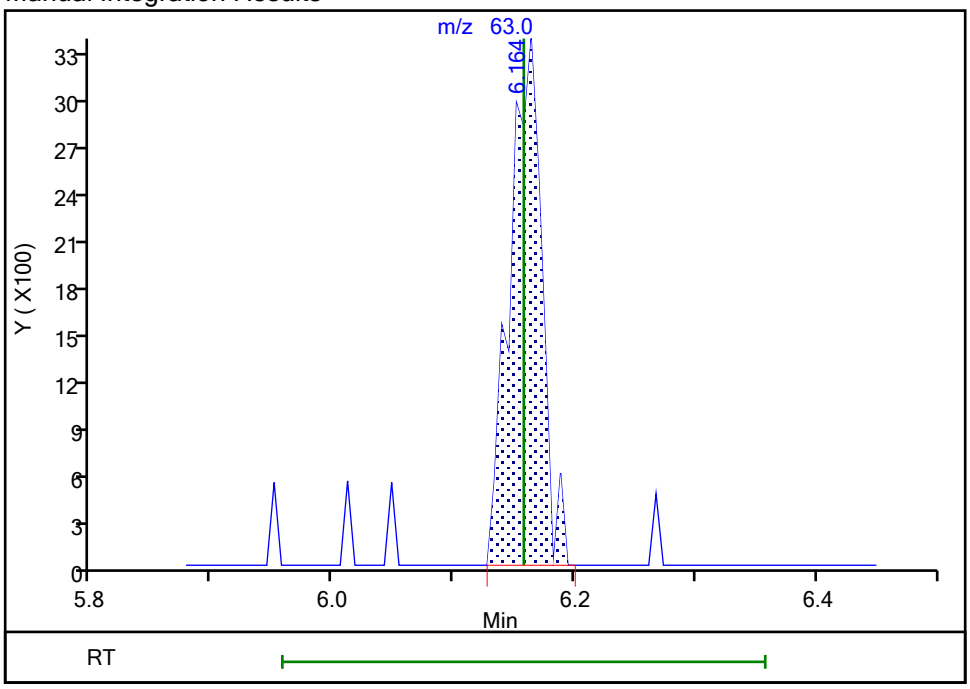
Not Detected
Expected RT: 6.16

Processing Integration Results



Manual Integration Results

RT: 6.16
Area: 6227
Amount: 0.495785
Amount Units: ug/L



Reviewer: moffata, 10-Feb-2021 09:16:38
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

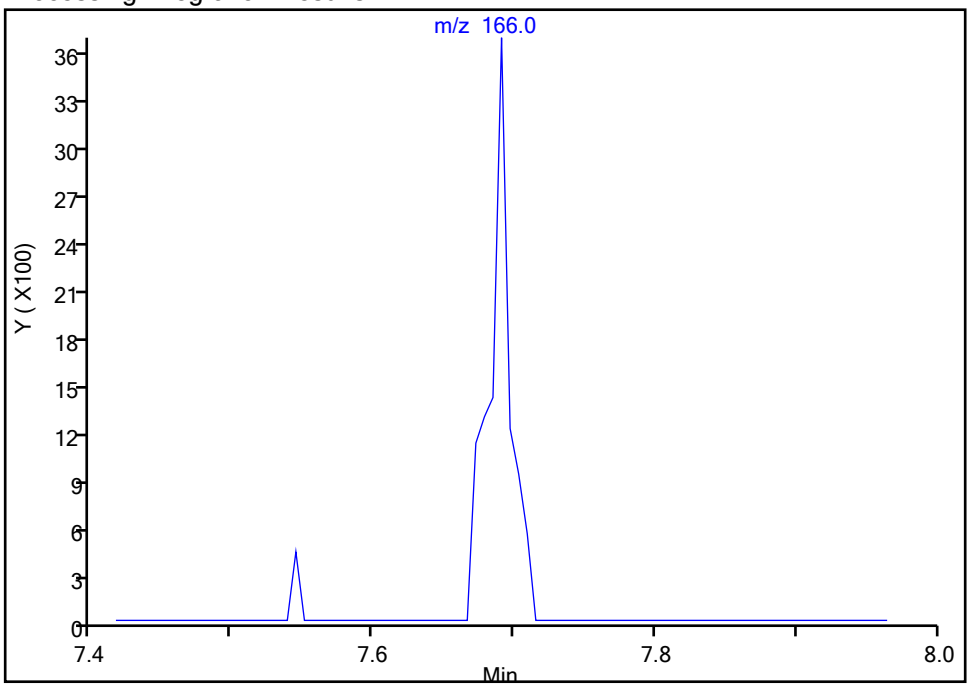
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Injection Date: 09-Feb-2021 15:22:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: WD ALS Bottle#: 18 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

79 Tetrachloroethene, CAS: 127-18-4

Signal: 1

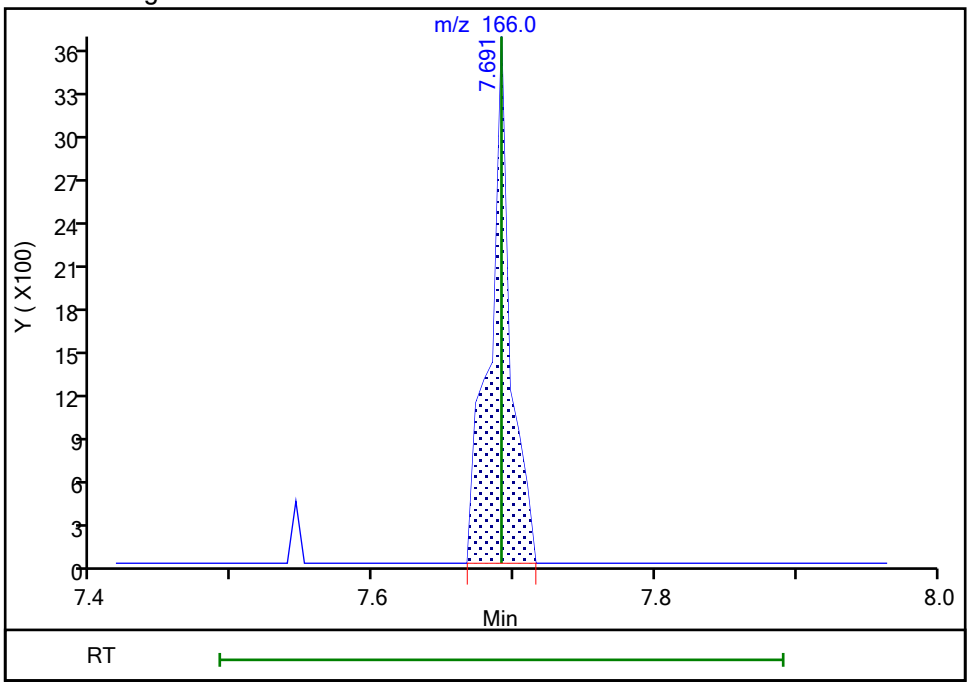
Not Detected
Expected RT: 7.69

Processing Integration Results



Manual Integration Results

RT: 7.69
Area: 3733
Amount: 0.347933
Amount Units: ug/L



Reviewer: moffata, 10-Feb-2021 09:16:46
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

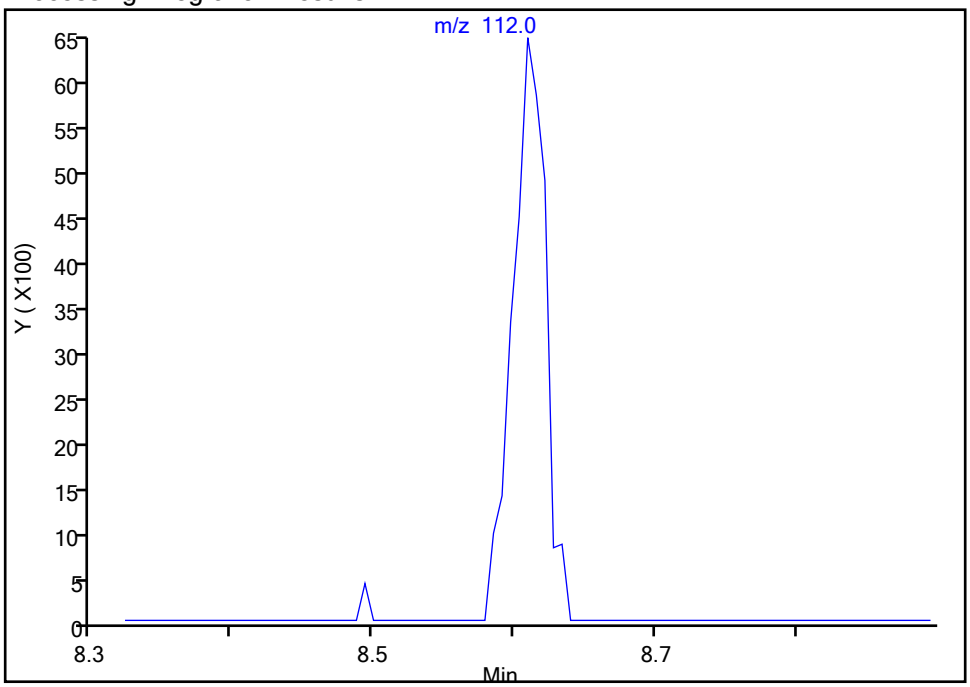
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Injection Date: 09-Feb-2021 15:22:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: WD ALS Bottle#: 18 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

85 Chlorobenzene, CAS: 108-90-7

Signal: 1

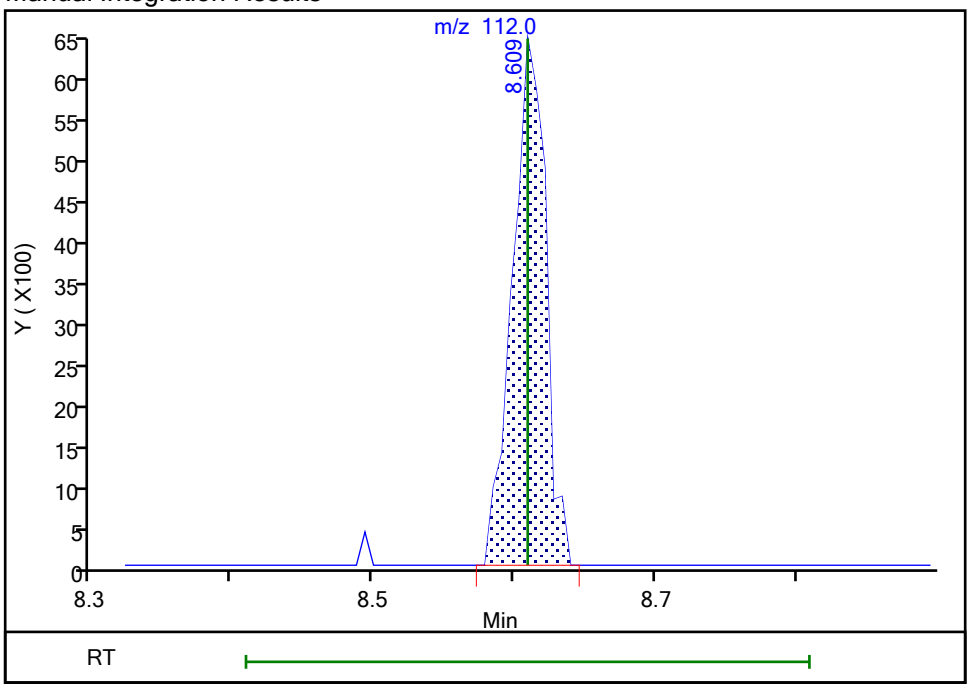
Not Detected
Expected RT: 8.61

Processing Integration Results



Manual Integration Results

RT: 8.61
Area: 10484
Amount: 0.356706
Amount Units: ug/L



Reviewer: moffata, 10-Feb-2021 09:16:49
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

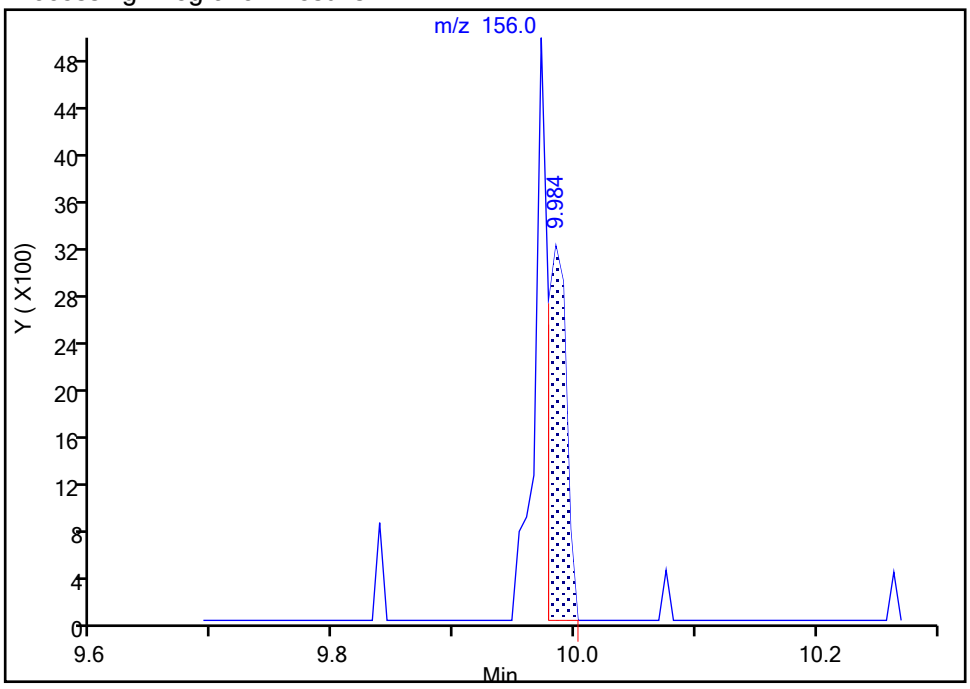
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Injection Date: 09-Feb-2021 15:22:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: WD ALS Bottle#: 18 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

97 Bromobenzene, CAS: 108-86-1

Signal: 1

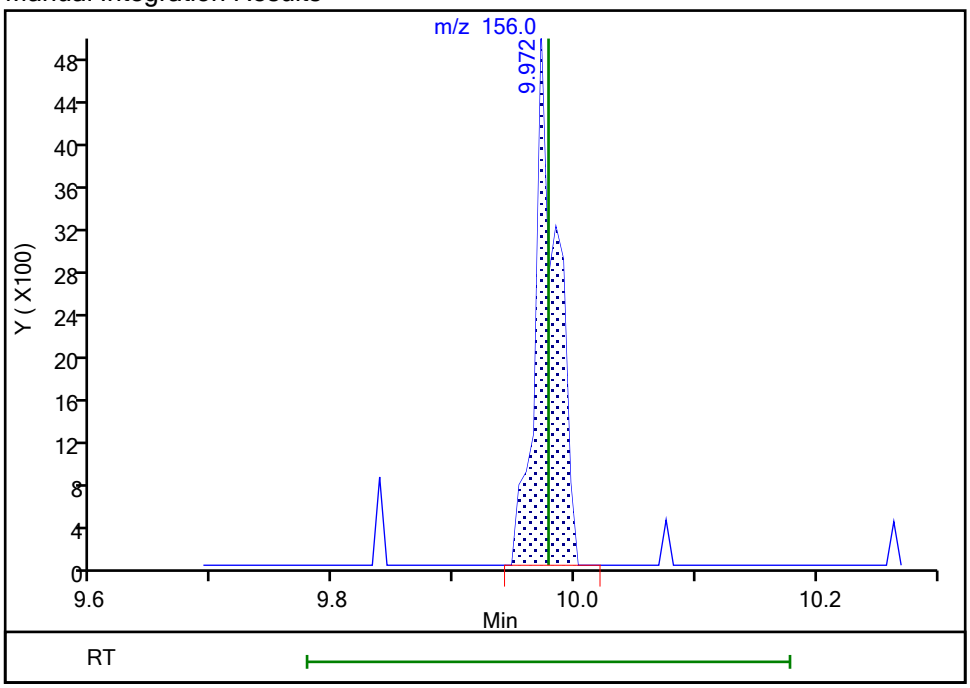
Processing Integration Results

RT: 9.98
Area: 3470
Amount: 0.429974
Amount Units: ug/L



Manual Integration Results

RT: 9.97
Area: 6317
Amount: 0.491936
Amount Units: ug/L



Reviewer: moffata, 10-Feb-2021 09:17:01
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

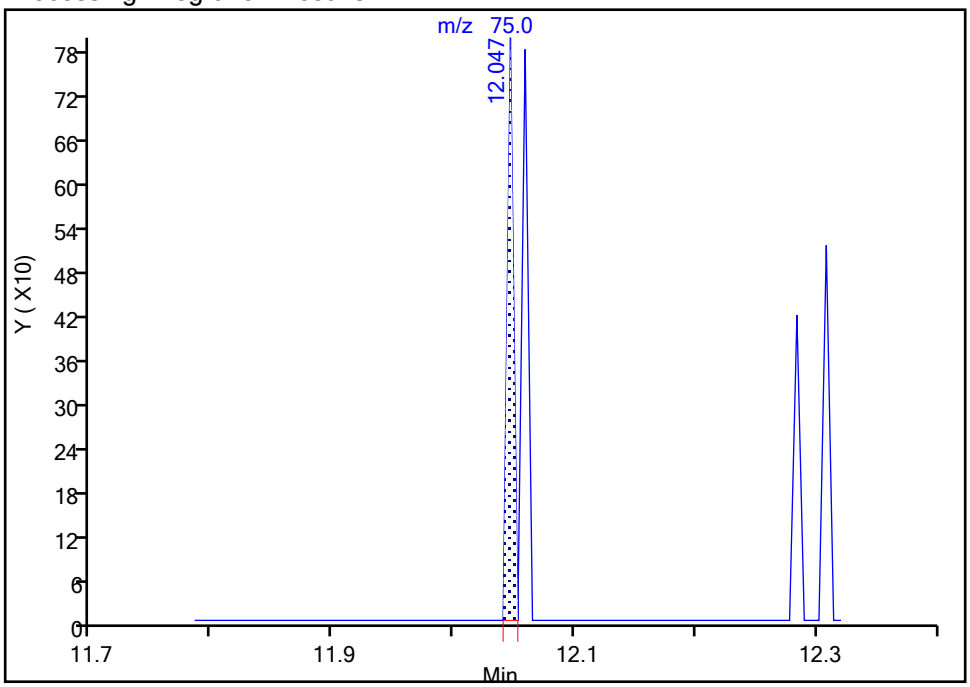
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Injection Date: 09-Feb-2021 15:22:30 Instrument ID: HP5973N
Lims ID: IC 0.5
Client ID:
Operator ID: WD ALS Bottle#: 18 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

117 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Signal: 1

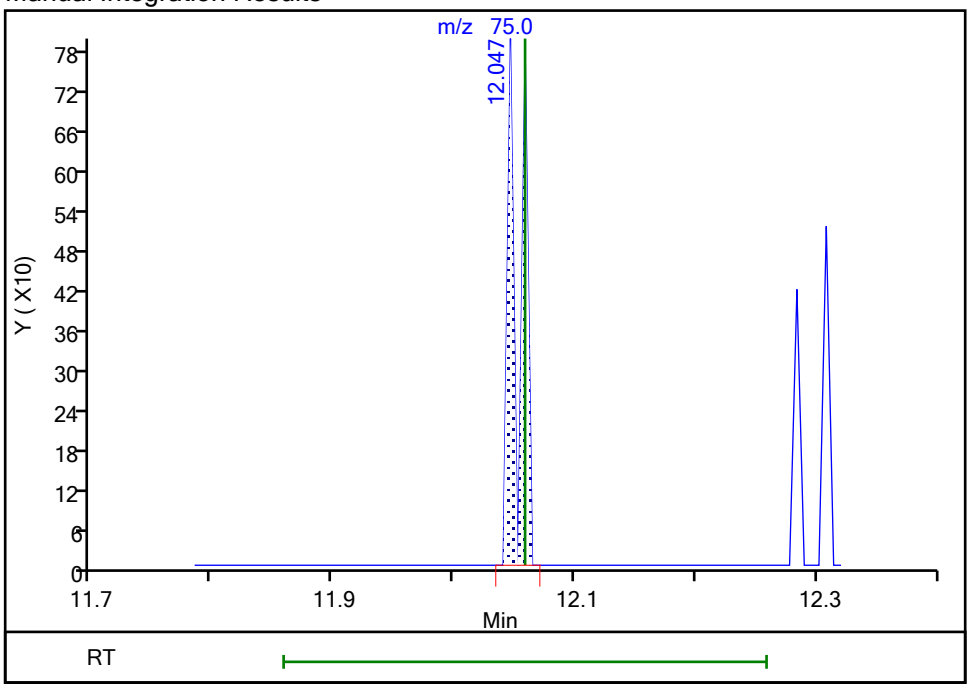
Processing Integration Results

RT: 12.05
Area: 292
Amount: 0.592977
Amount Units: ug/L



Manual Integration Results

RT: 12.05
Area: 578
Amount: 0.196642
Amount Units: ug/L



Reviewer: moffata, 10-Feb-2021 09:17:08
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210209-96556.b\N8850.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 09-Feb-2021 15:46:30 ALS Bottle#: 19 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0096556-006
Operator ID: WD Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromfs\Buffalo\ChromData\HP5973N\20210209-96556.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 10-Feb-2021 12:38:07 Calib Date: 09-Feb-2021 18:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20210209-96556.b\N8856.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1668

First Level Reviewer: moffata Date: 10-Feb-2021 09:18:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.574	5.568	0.006	98	190647	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.579	8.579	0.000	89	670343	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.958	10.958	0.000	96	352589	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.990	4.983	0.007	93	255363	25.0	25.7	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.300	5.294	0.006	97	346919	25.0	25.9	
$ 6 Toluene-d8 (Surr)	98	7.088	7.088	0.000	94	897524	25.0	24.7	
$ 7 4-Bromofluorobenzene (Surr)	174	9.826	9.832	-0.006	88	275147	25.0	24.9	
11 Dichlorodifluoromethane	85	1.309	1.309	0.000	95	11707	1.00	1.21	
13 Chloromethane	50	1.492	1.498	-0.006	95	17214	1.00	1.09	
14 Vinyl chloride	62	1.595	1.595	0.000	72	13875	1.00	1.15	
144 Butadiene	54	1.607	1.601	0.006	95	18973	1.00	1.30	
15 Bromomethane	94	1.917	1.923	-0.006	72	10483	1.00	1.29	
16 Chloroethane	64	1.990	1.996	-0.006	25	9134	1.00	1.16	
18 Trichlorofluoromethane	101	2.228	2.234	-0.006	58	12127	1.00	0.9146	
17 Dichlorofluoromethane	67	2.246	2.240	0.006	94	19739	1.00	1.25	
19 Ethyl ether	59	2.544	2.538	0.006	96	12266	1.00	1.05	
20 Acrolein	56	2.720	2.726	-0.006	69	11110	5.00	5.86	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.745	2.751	-0.006	55	3840	1.00	1.03	Ma
22 1,1-Dichloroethene	96	2.757	2.763	-0.006	87	7629	1.00	0.9819	
23 Acetone	43	2.891	2.891	0.000	96	34981	5.00	5.47	
24 Iodomethane	142	2.933	2.927	0.006	80	18574	1.00	1.19	
25 Carbon disulfide	76	2.970	2.958	0.012	98	25495	1.00	0.9320	
27 3-Chloro-1-propene	41	3.140	3.146	-0.006	83	26924	1.00	1.07	
28 Methyl acetate	43	3.195	3.195	0.000	100	33979	2.00	2.16	a
30 Methylene Chloride	84	3.292	3.292	0.000	94	22279	1.00	1.22	
31 2-Methyl-2-propanol	59	3.481	3.469	0.012	91	19751	10.0	9.78	
32 Methyl tert-butyl ether	73	3.517	3.511	0.006	98	35934	1.00	1.03	
33 trans-1,2-Dichloroethene	96	3.523	3.523	0.000	91	10094	1.00	1.01	
34 Acrylonitrile	53	3.590	3.584	0.006	99	76896	10.0	10.5	
35 Hexane	57	3.724	3.724	0.000	88	9285	1.00	1.15	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.955	3.955	0.000	96	20473	1.00	1.01	
39 Vinyl acetate	43	4.004	4.004	0.000	97	59014	2.00	1.65	
42 2,2-Dichloropropane	77	4.485	4.479	0.006	56	11998	1.00	1.00	
43 cis-1,2-Dichloroethene	96	4.515	4.515	0.000	82	12771	1.00	1.10	
44 2-Butanone (MEK)	43	4.558	4.545	0.013	98	44913	5.00	4.63	
47 Chlorobromomethane	128	4.752	4.752	0.000	90	7349	1.00	1.21	
49 Tetrahydrofuran	42	4.783	4.771	0.012	89	13967	2.00	2.04	
50 Chloroform	83	4.837	4.831	0.006	96	20447	1.00	1.05	
51 1,1,1-Trichloroethane	97	4.941	4.941	0.000	93	15652	1.00	1.00	
52 Cyclohexane	56	4.941	4.947	-0.006	73	13316	1.00	0.6962	
53 Carbon tetrachloride	117	5.087	5.081	0.006	83	11204	1.00	0.8721	
54 1,1-Dichloropropene	75	5.099	5.093	0.006	76	11002	1.00	0.8346	
55 Benzene	78	5.306	5.300	0.006	52	44864	1.00	1.06	
56 Isobutyl alcohol	43	5.318	5.318	0.000	95	23746	25.0	24.7	
57 1,2-Dichloroethane	62	5.367	5.373	-0.006	95	18083	1.00	1.00	
59 n-Heptane	43	5.476	5.476	0.000	92	12651	1.00	0.6341	
60 Trichloroethene	95	5.914	5.914	0.000	86	9742	1.00	0.9281	
62 Methylcyclohexane	83	6.036	6.030	0.006	91	8062	1.00	1.13	
63 1,2-Dichloropropane	63	6.158	6.158	0.000	83	11900	1.00	1.02	
64 Dibromomethane	93	6.298	6.298	0.000	92	6792	1.00	0.9774	
66 1,4-Dioxane	88	6.304	6.298	0.006	38	2771	20.0	19.3	
67 Dichlorobromomethane	83	6.456	6.450	0.006	94	13290	1.00	0.9508	M
69 2-Chloroethyl vinyl ether	63	6.729	6.723	0.006	85	6908	1.00	0.8881	
71 cis-1,3-Dichloropropene	75	6.863	6.863	0.000	82	15103	1.00	0.8930	
72 4-Methyl-2-pentanone (MIBK)	58	7.009	7.009	0.000	97	32308	5.00	5.32	
73 Toluene	92	7.155	7.155	0.000	98	26228	1.00	1.00	
75 trans-1,3-Dichloropropene	75	7.435	7.435	0.000	97	15319	1.00	0.99	
77 Ethyl methacrylate	69	7.478	7.472	0.006	91	10575	1.00	0.7929	
78 1,1,2-Trichloroethane	83	7.630	7.630	0.000	89	6486	1.00	0.8956	
79 Tetrachloroethene	166	7.691	7.691	0.000	90	9190	1.00	0.9107	
80 1,3-Dichloropropane	76	7.794	7.788	0.006	88	15366	1.00	0.99	
82 2-Hexanone	43	7.849	7.849	0.000	96	57136	5.00	4.67	
83 Chlorodibromomethane	129	8.025	8.031	-0.006	91	9188	1.00	0.9252	
84 Ethylene Dibromide	107	8.135	8.135	0.000	98	9098	1.00	0.9397	
85 Chlorobenzene	112	8.609	8.609	0.000	94	26700	1.00	0.9658	
88 Ethylbenzene	91	8.694	8.701	-0.007	98	49114	1.00	1.03	
89 1,1,1,2-Tetrachloroethane	131	8.713	8.707	0.006	81	10566	1.00	1.01	
90 m-Xylene & p-Xylene	106	8.816	8.822	-0.006	99	18518	1.00	0.9878	
91 o-Xylene	106	9.248	9.254	-0.006	93	20150	1.00	1.05	
92 Styrene	104	9.279	9.278	0.000	94	31110	1.00	0.9873	
93 Bromoform	173	9.534	9.534	0.000	91	5981	1.00	0.9607	
95 Isopropylbenzene	105	9.631	9.631	0.000	96	44856	1.00	0.9034	
97 Bromobenzene	156	9.978	9.978	0.000	96	12552	1.00	1.00	
98 1,1,2,2-Tetrachloroethane	83	10.033	10.027	0.006	90	11611	1.00	0.9085	
100 N-Propylbenzene	91	10.051	10.051	0.000	98	50443	1.00	0.8983	
99 1,2,3-Trichloropropane	110	10.063	10.057	0.006	71	2863	1.00	0.7021	
101 trans-1,4-Dichloro-2-butene	53	10.069	10.075	-0.006	71	3477	1.00	0.8620	
102 2-Chlorotoluene	126	10.167	10.161	0.006	96	11489	1.00	0.9801	
104 1,3,5-Trimethylbenzene	105	10.228	10.228	0.000	97	39013	1.00	0.9331	
105 4-Chlorotoluene	91	10.270	10.270	0.000	98	36100	1.00	1.00	
106 tert-Butylbenzene	134	10.544	10.544	0.000	90	7726	1.00	0.8449	
108 1,2,4-Trimethylbenzene	105	10.599	10.599	0.000	96	42548	1.00	0.9885	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.757	10.751	0.006	95	45430	1.00	0.8873	
111 4-Isopropyltoluene	119	10.891	10.891	0.000	95	40552	1.00	0.8647	
110 1,3-Dichlorobenzene	146	10.891	10.891	0.000	81	23116	1.00	0.9615	
113 1,4-Dichlorobenzene	146	10.976	10.976	0.000	90	25037	1.00	1.00	
115 n-Butylbenzene	91	11.274	11.274	0.000	97	34319	1.00	0.8654	
116 1,2-Dichlorobenzene	146	11.329	11.329	0.000	94	21924	1.00	0.9235	
117 1,2-Dibromo-3-Chloropropane	75	12.053	12.059	-0.006	63	3111	1.00	1.08	
119 1,2,4-Trichlorobenzene	180	12.728	12.728	0.000	90	17416	1.00	1.04	
120 Hexachlorobutadiene	225	12.837	12.837	0.000	87	6612	1.00	0.8985	
121 Naphthalene	128	12.947	12.947	0.000	97	49003	1.00	1.01	
122 1,2,3-Trichlorobenzene	180	13.148	13.148	0.000	92	16032	1.00	1.00	
S 126 Xylenes, Total	1				0			2.03	
S 124 1,2-Dichloroethene, Total	1				0			2.11	
S 123 1,3-Dichloropropene, Total	1				0			1.89	
S 125 Total BTEX	1				0			5.12	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

8260 CORP mix_00202	Amount Added:	1.00	Units: uL	
GAS CORP mix_00441	Amount Added:	1.00	Units: uL	
N_8260_Surr_00407	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00205	Amount Added:	1.00	Units: uL	Run Reagent

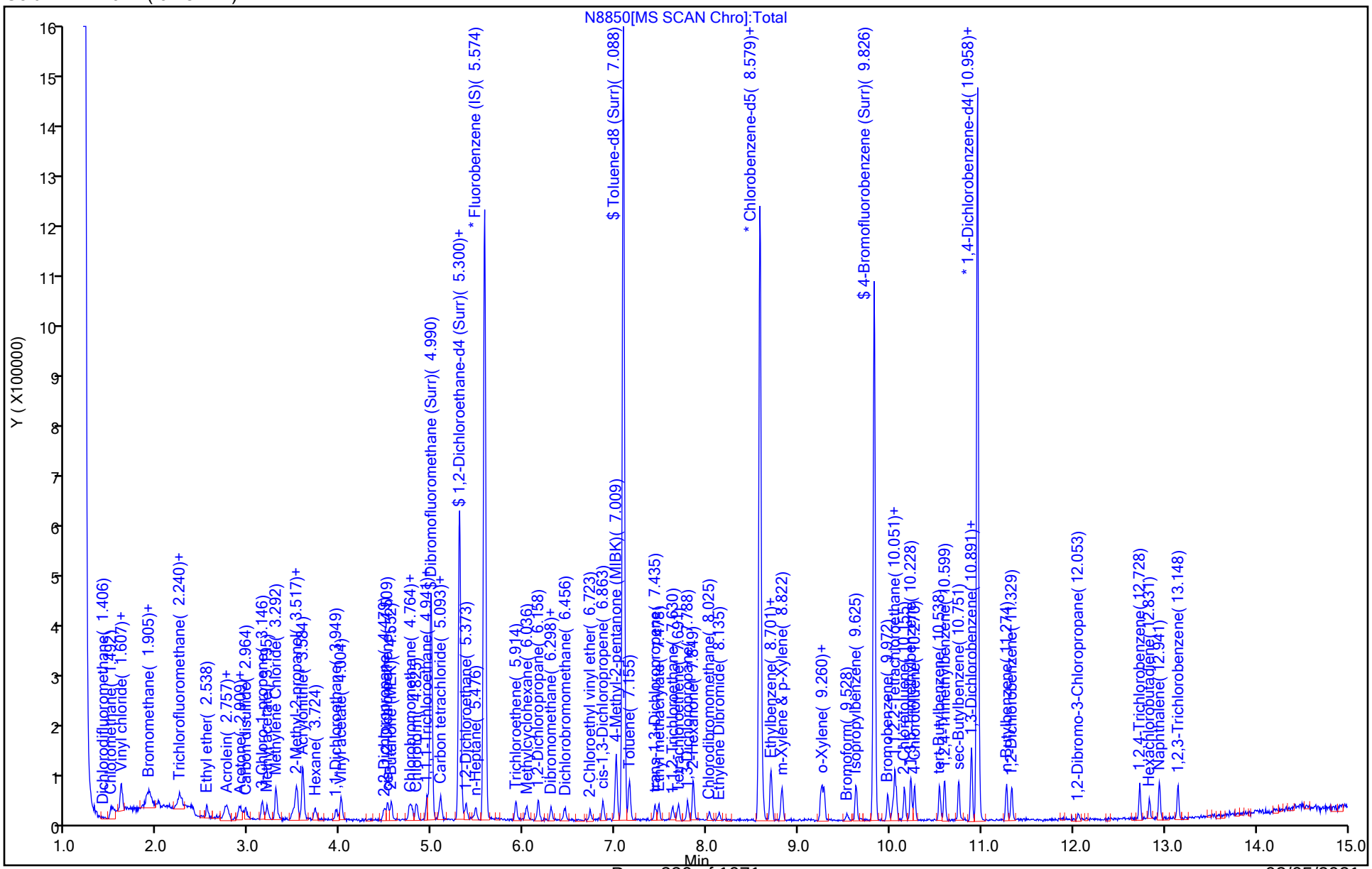
Report Date: 10-Feb-2021 12:38:08 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210209-96556.b\N8850.D

Injection Date:	09-Feb-2021 15:46:30	Instrument ID:	HP5973N	Operator ID:	WD
Lims ID:	IC			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

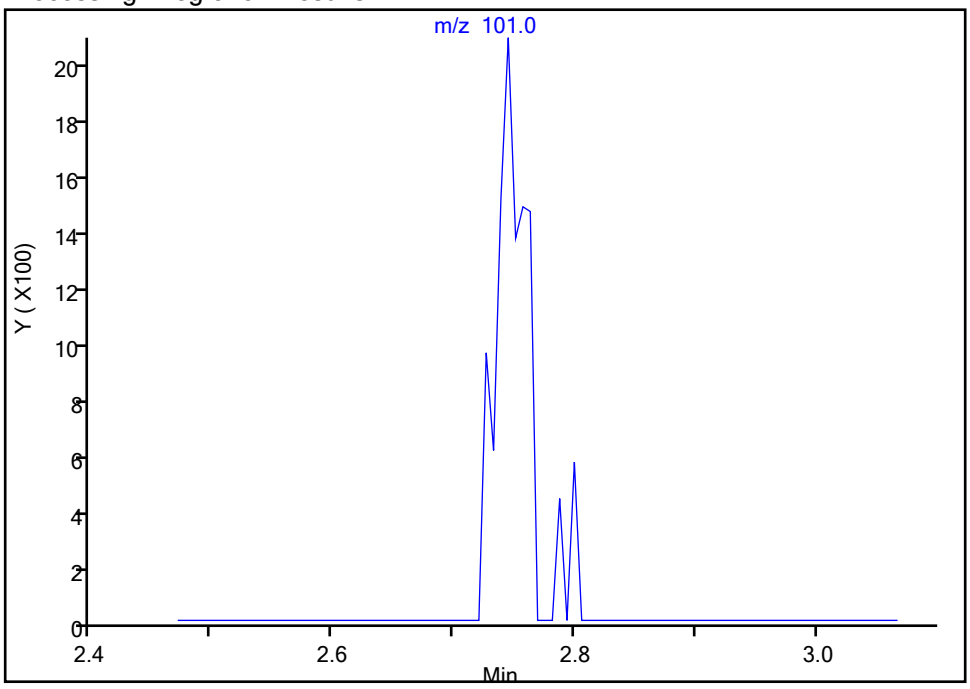
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Injection Date: 09-Feb-2021 15:46:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: WD ALS Bottle#: 19 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroe, CAS: 76-13-1

Signal: 1

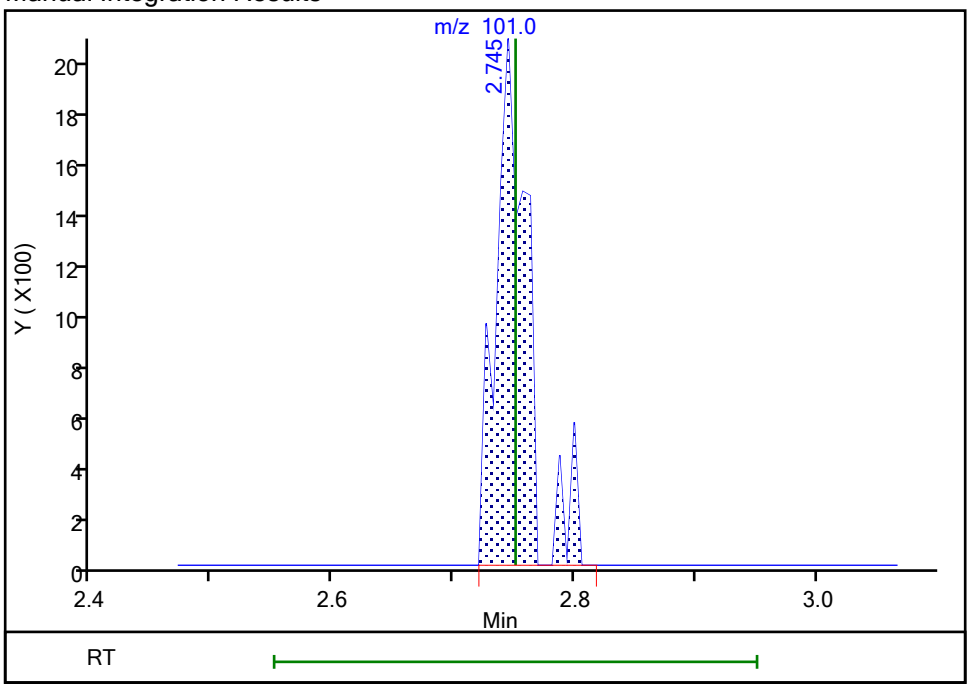
Not Detected
Expected RT: 2.75

Processing Integration Results



Manual Integration Results

RT: 2.74
Area: 3840
Amount: 1.028293
Amount Units: ug/L



Reviewer: moffata, 10-Feb-2021 09:17:38
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

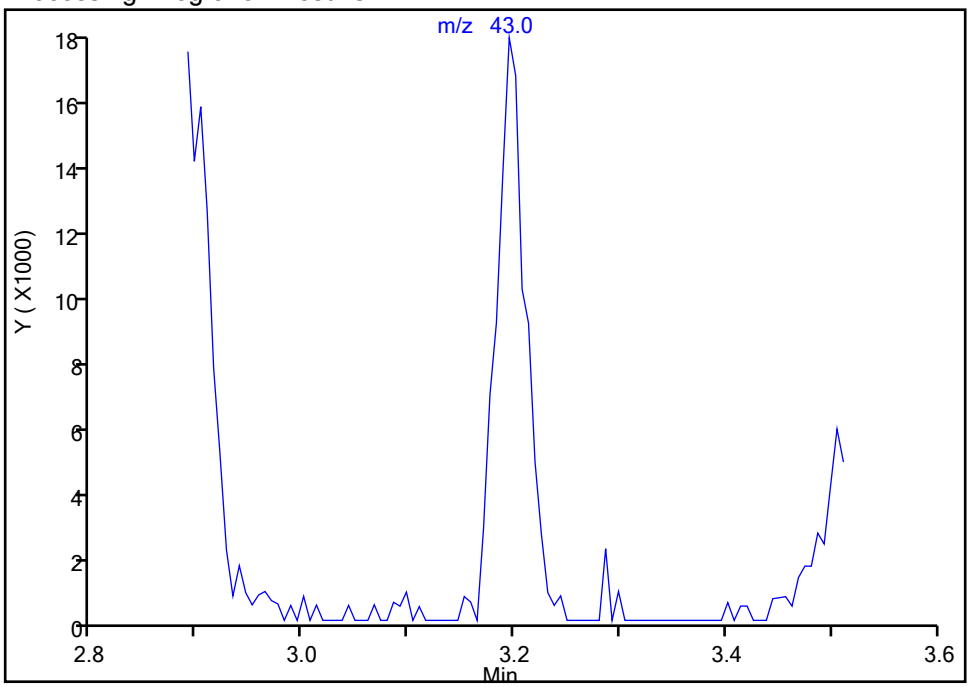
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Injection Date: 09-Feb-2021 15:46:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: WD ALS Bottle#: 19 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

28 Methyl acetate, CAS: 79-20-9

Signal: 1

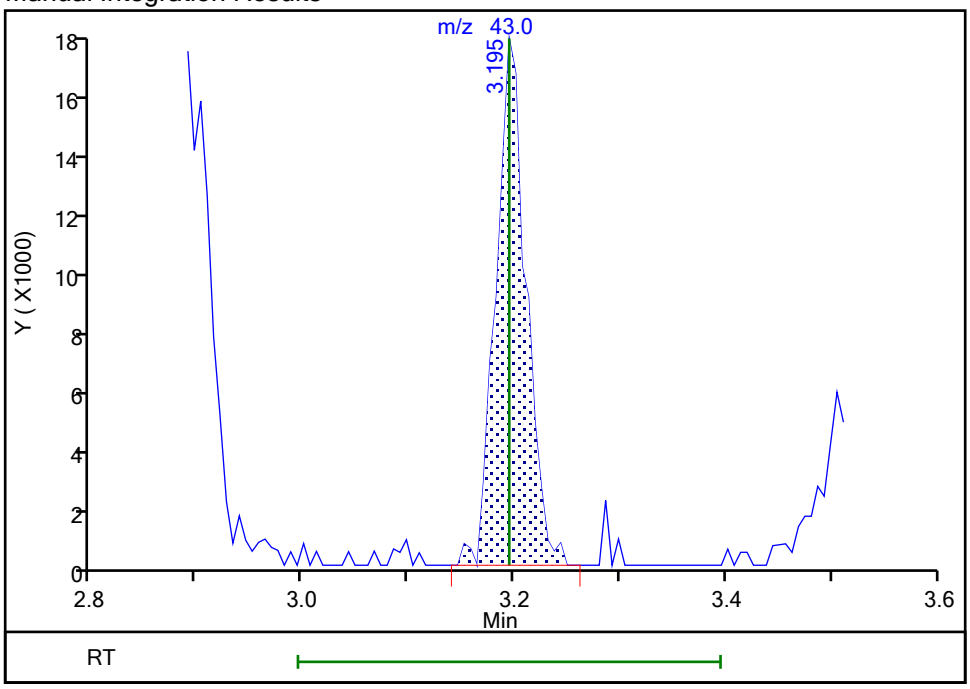
Not Detected
Expected RT: 3.19

Processing Integration Results



Manual Integration Results

RT: 3.19
Area: 33979
Amount: 2.161582
Amount Units: ug/L



Reviewer: moffata, 10-Feb-2021 09:17:46
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

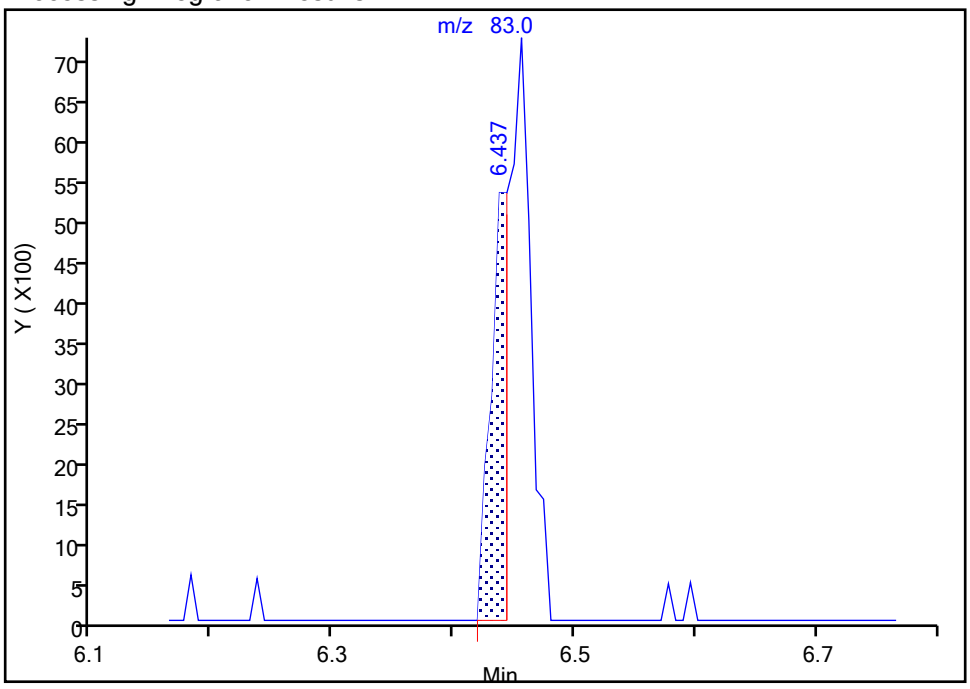
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Injection Date: 09-Feb-2021 15:46:30 Instrument ID: HP5973N
Lims ID: IC
Client ID:
Operator ID: WD ALS Bottle#: 19 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

67 Dichlorobromomethane, CAS: 75-27-4

Signal: 1

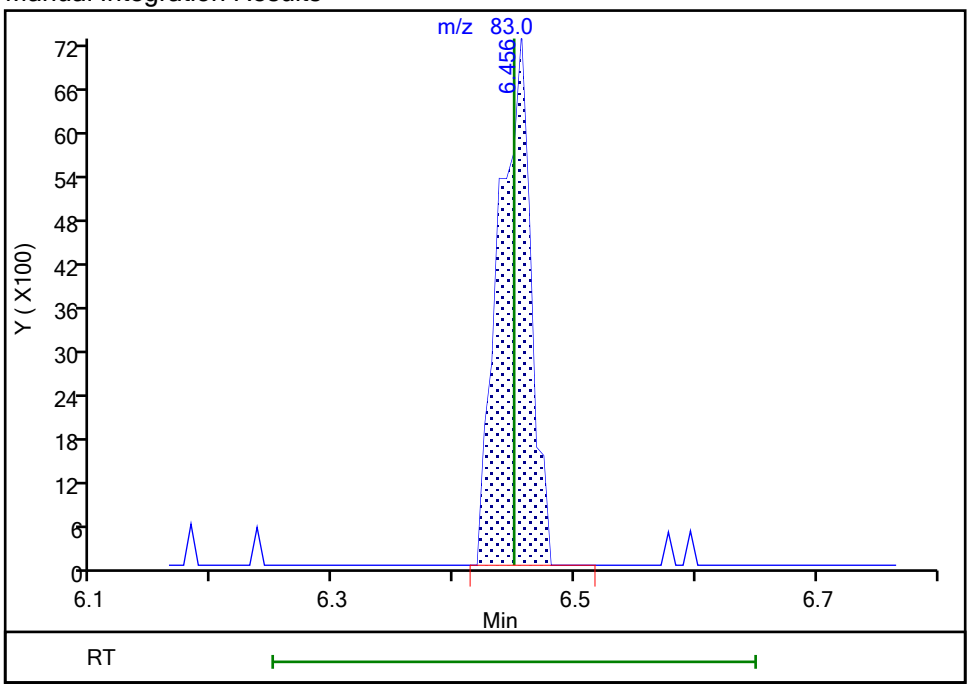
Processing Integration Results

RT: 6.44
Area: 5607
Amount: 0.739542
Amount Units: ug/L



Manual Integration Results

RT: 6.46
Area: 13290
Amount: 0.950770
Amount Units: ug/L



Reviewer: moffata, 10-Feb-2021 09:18:02
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210209-96556.b\N8851.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 09-Feb-2021 16:10:30 ALS Bottle#: 20 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0096556-007
Operator ID: WD Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromfs\Buffalo\ChromData\HP5973N\20210209-96556.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 10-Feb-2021 12:38:14 Calib Date: 09-Feb-2021 18:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20210209-96556.b\N8856.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1668

First Level Reviewer: moffata Date: 10-Feb-2021 09:19:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.574	5.568	0.006	98	199587	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.579	8.579	0.000	88	715302	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.957	10.958	-0.001	96	371043	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.990	4.983	0.007	92	251763	25.0	24.2	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.294	5.294	0.000	99	344493	25.0	24.6	
$ 6 Toluene-d8 (Surr)	98	7.088	7.088	0.000	95	965047	25.0	24.9	
$ 7 4-Bromofluorobenzene (Surr)	174	9.832	9.832	0.000	90	288552	25.0	24.5	
11 Dichlorodifluoromethane	85	1.309	1.309	0.000	97	21128	2.00	2.09	
13 Chloromethane	50	1.491	1.498	-0.007	97	34512	2.00	2.09	
14 Vinyl chloride	62	1.601	1.595	0.006	64	26628	2.00	2.10	
144 Butadiene	54	1.607	1.601	0.006	95	33602	2.00	2.19	
15 Bromomethane	94	1.917	1.923	-0.006	90	11766	2.00	1.41	
16 Chloroethane	64	2.002	1.996	0.006	97	19325	2.00	2.34	
18 Trichlorofluoromethane	101	2.228	2.234	-0.006	94	30340	2.00	2.19	
17 Dichlorofluoromethane	67	2.240	2.240	0.000	94	32646	2.00	1.98	
19 Ethyl ether	59	2.544	2.538	0.006	91	22772	2.00	1.87	
20 Acrolein	56	2.726	2.726	0.000	98	22687	10.0	11.4	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.757	2.751	0.006	82	12139	2.00	1.94	
22 1,1-Dichloroethene	96	2.769	2.763	0.006	90	14858	2.00	1.83	
23 Acetone	43	2.891	2.891	0.000	97	70893	10.0	10.6	
24 Iodomethane	142	2.927	2.927	0.000	97	31957	2.00	1.95	
25 Carbon disulfide	76	2.964	2.958	0.006	100	53362	2.00	1.86	
27 3-Chloro-1-propene	41	3.140	3.146	-0.006	88	53656	2.00	2.04	
28 Methyl acetate	43	3.195	3.195	0.000	100	67069	4.00	4.08	a
30 Methylene Chloride	84	3.298	3.292	0.006	91	28963	2.00	1.75	
31 2-Methyl-2-propanol	59	3.475	3.469	0.006	97	42183	20.0	20.0	
32 Methyl tert-butyl ether	73	3.505	3.511	-0.006	97	72293	2.00	1.99	
33 trans-1,2-Dichloroethene	96	3.523	3.523	0.000	91	19205	2.00	1.84	
34 Acrylonitrile	53	3.584	3.584	0.000	99	154628	20.0	20.1	
35 Hexane	57	3.718	3.724	-0.006	88	24473	2.00	1.91	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.949	3.955	-0.006	96	41980	2.00	1.98	
39 Vinyl acetate	43	4.004	4.004	0.000	97	143165	4.00	3.82	
42 2,2-Dichloropropane	77	4.478	4.479	-0.001	79	25551	2.00	2.03	
43 cis-1,2-Dichloroethene	96	4.509	4.515	-0.006	77	23661	2.00	1.95	
44 2-Butanone (MEK)	43	4.545	4.545	0.000	97	104654	10.0	10.3	
47 Chlorobromomethane	128	4.752	4.752	0.000	90	12520	2.00	1.98	
49 Tetrahydrofuran	42	4.777	4.771	0.006	93	25827	4.00	3.60	
50 Chloroform	83	4.831	4.831	0.000	95	44237	2.00	2.16	
51 1,1,1-Trichloroethane	97	4.941	4.941	0.000	94	30556	2.00	1.86	
52 Cyclohexane	56	4.947	4.947	0.000	94	34091	2.00	1.70	
53 Carbon tetrachloride	117	5.081	5.081	0.000	80	25228	2.00	1.88	
54 1,1-Dichloropropene	75	5.093	5.093	0.000	85	26576	2.00	1.93	
55 Benzene	78	5.300	5.300	0.000	52	87699	2.00	1.98	
56 Isobutyl alcohol	43	5.324	5.318	0.006	94	45546	50.0	45.3	
57 1,2-Dichloroethane	62	5.373	5.373	0.000	95	38923	2.00	2.06	
59 n-Heptane	43	5.470	5.476	-0.006	94	40026	2.00	1.92	
60 Trichloroethene	95	5.920	5.914	0.006	93	22516	2.00	2.05	
62 Methylcyclohexane	83	6.036	6.030	0.006	91	23487	2.00	1.94	
63 1,2-Dichloropropane	63	6.158	6.158	0.000	84	23909	2.00	1.96	
64 Dibromomethane	93	6.297	6.298	-0.001	88	13189	2.00	1.81	
66 1,4-Dioxane	88	6.304	6.298	0.006	50	5565	40.0	36.3	Ma
67 Dichlorobromomethane	83	6.443	6.450	-0.007	96	27395	2.00	1.87	
69 2-Chloroethyl vinyl ether	63	6.723	6.723	0.000	88	16013	2.00	1.97	
71 cis-1,3-Dichloropropene	75	6.869	6.863	0.006	87	38130	2.00	2.15	
72 4-Methyl-2-pentanone (MIBK)	58	7.015	7.009	0.006	98	61935	10.0	9.55	
73 Toluene	92	7.149	7.155	-0.006	95	52371	2.00	1.88	
75 trans-1,3-Dichloropropene	75	7.435	7.435	0.000	96	31801	2.00	1.93	
77 Ethyl methacrylate	69	7.478	7.472	0.006	96	28355	2.00	1.99	
78 1,1,2-Trichloroethane	83	7.630	7.630	0.000	91	15148	2.00	1.96	
79 Tetrachloroethene	166	7.691	7.691	0.000	95	21840	2.00	2.03	
80 1,3-Dichloropropane	76	7.788	7.788	0.000	91	34324	2.00	2.08	
82 2-Hexanone	43	7.855	7.849	0.006	97	129533	10.0	9.91	
83 Chlorodibromomethane	129	8.031	8.031	0.000	92	20007	2.00	1.89	
84 Ethylene Dibromide	107	8.141	8.135	0.006	94	21933	2.00	2.12	
85 Chlorobenzene	112	8.609	8.609	0.000	95	60010	2.00	2.03	
88 Ethylbenzene	91	8.700	8.701	-0.001	98	100821	2.00	1.97	
89 1,1,1,2-Tetrachloroethane	131	8.707	8.707	0.000	90	22414	2.00	2.01	
90 m-Xylene & p-Xylene	106	8.822	8.822	0.000	98	37285	2.00	1.86	
91 o-Xylene	106	9.248	9.254	-0.006	96	38847	2.00	1.89	
92 Styrene	104	9.278	9.278	0.000	89	64526	2.00	1.92	
93 Bromoform	173	9.528	9.534	-0.006	89	11990	2.00	1.80	
95 Isopropylbenzene	105	9.631	9.631	0.000	95	102339	2.00	1.96	
97 Bromobenzene	156	9.972	9.978	-0.006	90	25317	2.00	1.92	
98 1,1,2,2-Tetrachloroethane	83	10.033	10.027	0.006	91	26297	2.00	1.96	
100 N-Propylbenzene	91	10.051	10.051	0.000	98	114157	2.00	1.93	
99 1,2,3-Trichloropropane	110	10.057	10.057	0.000	56	9383	2.00	2.19	
101 trans-1,4-Dichloro-2-butene	53	10.075	10.075	0.000	59	11596	2.00	2.10	
102 2-Chlorotoluene	126	10.161	10.161	0.000	96	26091	2.00	2.12	
104 1,3,5-Trimethylbenzene	105	10.227	10.228	-0.001	95	88191	2.00	2.00	
105 4-Chlorotoluene	91	10.270	10.270	0.000	97	74156	2.00	1.95	
106 tert-Butylbenzene	134	10.544	10.544	0.000	95	19589	2.00	2.04	
108 1,2,4-Trimethylbenzene	105	10.599	10.599	0.000	98	89092	2.00	1.97	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.751	10.751	0.000	95	103142	2.00	1.91	
111 4-Isopropyltoluene	119	10.891	10.891	0.000	96	96663	2.00	1.96	
110 1,3-Dichlorobenzene	146	10.891	10.891	0.000	78	52471	2.00	2.07	
113 1,4-Dichlorobenzene	146	10.976	10.976	0.000	92	52504	2.00	1.99	
115 n-Butylbenzene	91	11.274	11.274	0.000	97	80246	2.00	1.92	
116 1,2-Dichlorobenzene	146	11.329	11.329	0.000	93	49921	2.00	2.00	
117 1,2-Dibromo-3-Chloropropane	75	12.059	12.059	0.000	77	6127	2.00	2.03	
119 1,2,4-Trichlorobenzene	180	12.728	12.728	0.000	91	32678	2.00	1.86	
120 Hexachlorobutadiene	225	12.831	12.837	-0.006	89	13008	2.00	1.68	
121 Naphthalene	128	12.941	12.947	-0.006	97	101711	2.00	1.98	
122 1,2,3-Trichlorobenzene	180	13.148	13.148	0.000	96	35459	2.00	2.10	
S 126 Xylenes, Total	1				0			3.75	
S 124 1,2-Dichloroethene, Total	1				0			3.79	
S 123 1,3-Dichloropropene, Total	1				0			4.09	
S 125 Total BTEX	1				0			9.59	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

8260 CORP mix_00202	Amount Added:	2.00	Units: uL	
GAS CORP mix_00441	Amount Added:	2.00	Units: uL	
N_8260_Surr_00407	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00205	Amount Added:	1.00	Units: uL	Run Reagent

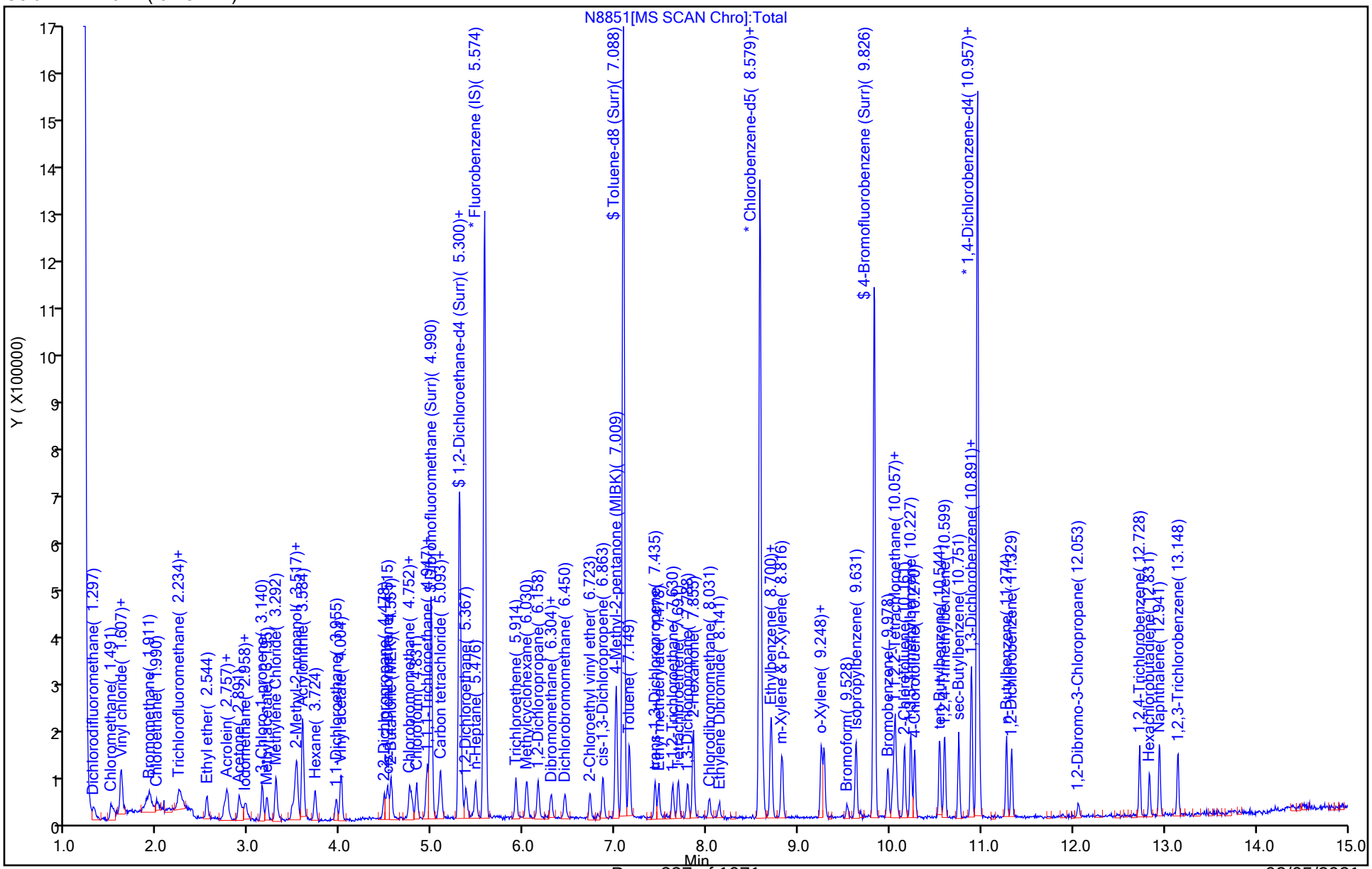
Report Date: 10-Feb-2021 12:38:16 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210209-96556.b\N8851.D

Injection Date:	09-Feb-2021 16:10:30	Instrument ID:	HP5973N	Operator ID:	WD
Lims ID:	IC 2			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

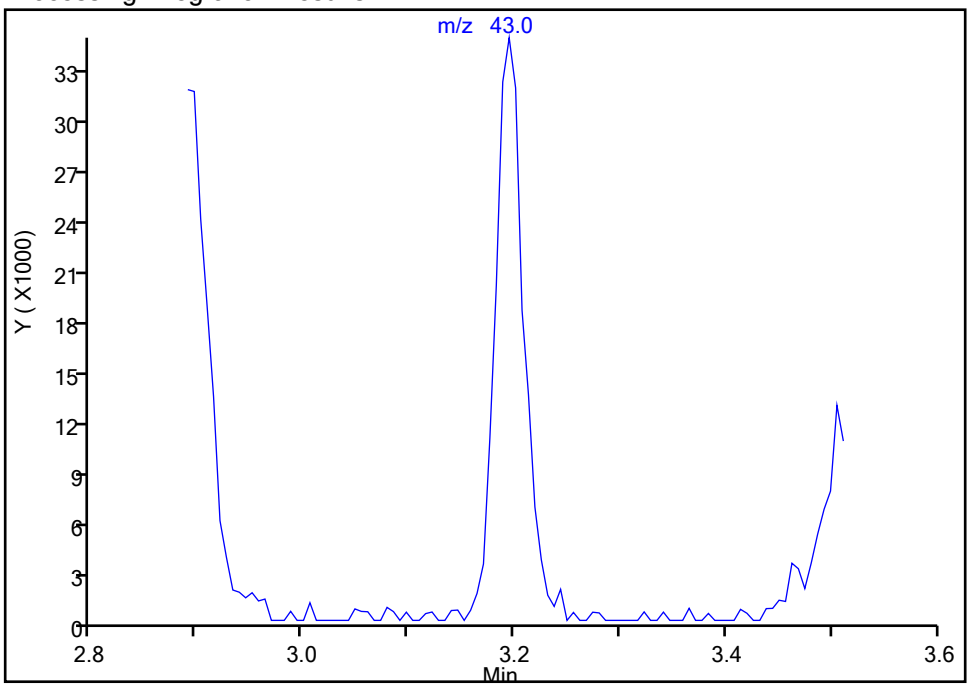
Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20210209-96556.b\N8851.D				
Injection Date:	09-Feb-2021 16:10:30	Instrument ID:	HP5973N		
Lims ID:	IC 2				
Client ID:					
Operator ID:	WD	ALS Bottle#:	20	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

28 Methyl acetate, CAS: 79-20-9

Signal: 1

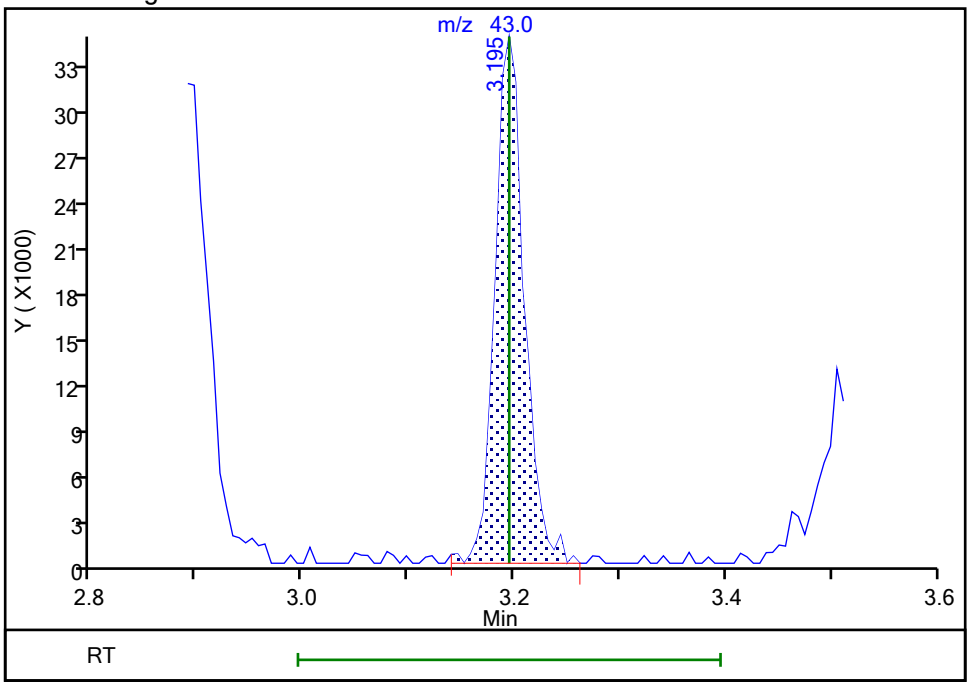
Not Detected
Expected RT: 3.19

Processing Integration Results



Manual Integration Results

RT: 3.19
Area: 67069
Amount: 4.075497
Amount Units: ug/L



Reviewer: moffata, 10-Feb-2021 09:18:35
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

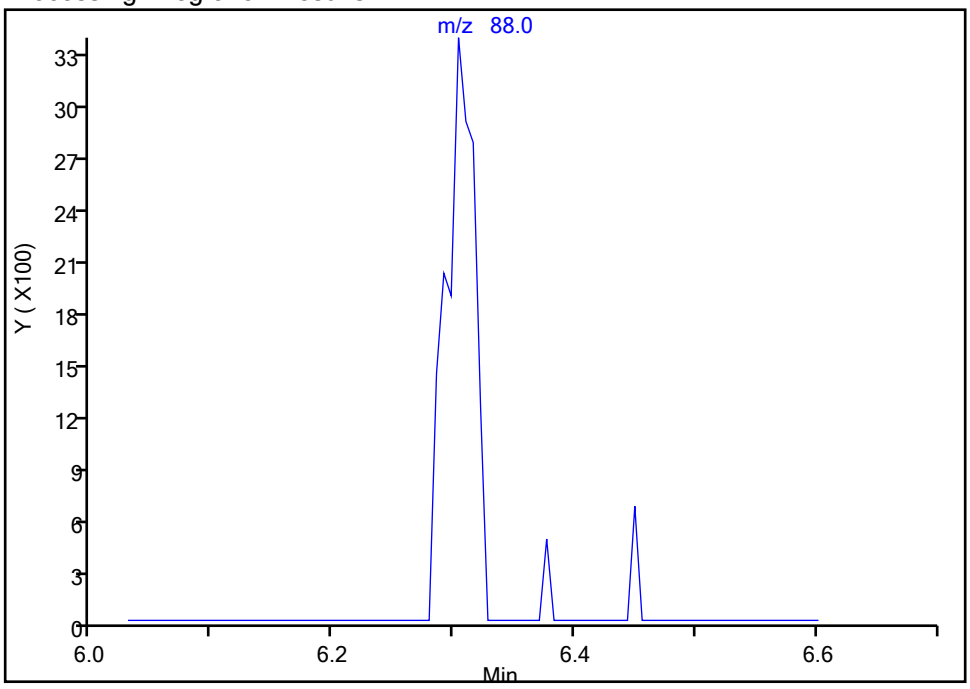
Data File:	\\chromfs\Buffalo\ChromData\HP5973N\20210209-96556.b\N8851.D				
Injection Date:	09-Feb-2021 16:10:30	Instrument ID:	HP5973N		
Lims ID:	IC 2				
Client ID:					
Operator ID:	WD	ALS Bottle#:	20	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	N-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.18 mm)	Detector	MS SCAN		

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

Signal: 1

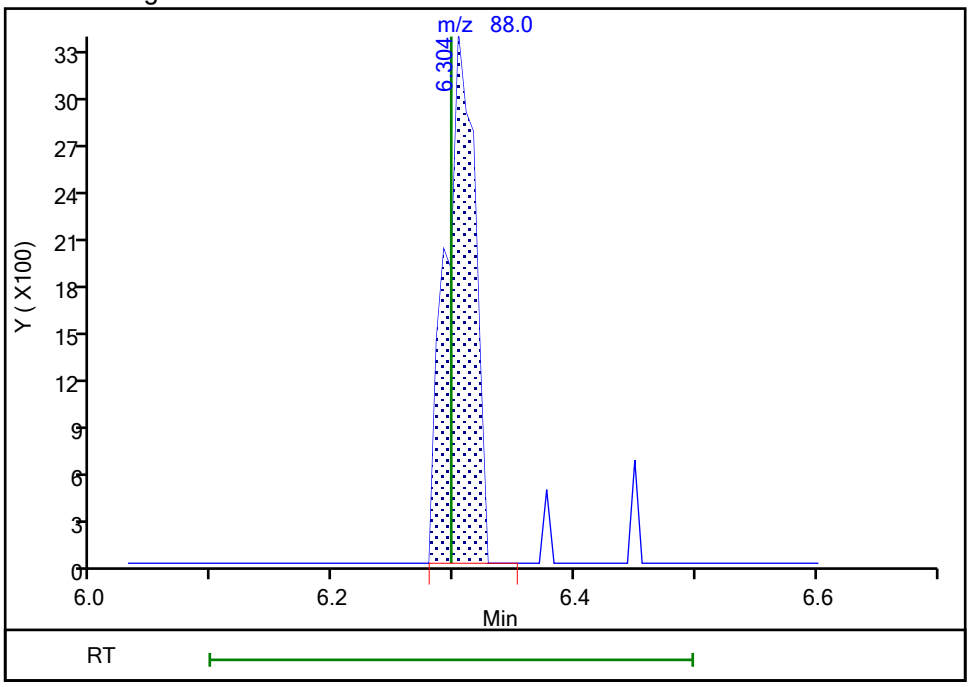
Not Detected
Expected RT: 6.30

Processing Integration Results



Manual Integration Results

RT: 6.30
Area: 5565
Amount: 36.278741
Amount Units: ug/L



Reviewer: moffata, 10-Feb-2021 09:18:54
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210209-96556.b\N8852.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 09-Feb-2021 16:35:30 ALS Bottle#: 21 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0096556-008
Operator ID: WD Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromfs\Buffalo\ChromData\HP5973N\20210209-96556.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 10-Feb-2021 12:38:20 Calib Date: 09-Feb-2021 18:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20210209-96556.b\N8856.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1668

First Level Reviewer: moffata Date: 10-Feb-2021 09:19:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.568	5.568	0.000	98	206444	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.579	8.579	0.000	88	751582	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.958	10.958	0.000	96	377287	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.990	4.990	0.000	93	269912	25.0	25.1	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.300	5.300	0.000	96	369596	25.0	25.5	
$ 6 Toluene-d8 (Surr)	98	7.088	7.088	0.000	95	1008354	25.0	24.7	
$ 7 4-Bromofluorobenzene (Surr)	174	9.826	9.826	0.000	88	302041	25.0	24.4	
11 Dichlorodifluoromethane	85	1.303	1.303	0.000	99	53603	5.00	5.12	
13 Chloromethane	50	1.492	1.492	0.000	99	82379	5.00	4.82	
14 Vinyl chloride	62	1.595	1.595	0.000	75	63631	5.00	4.85	
144 Butadiene	54	1.607	1.607	0.000	98	82211	5.00	5.18	
15 Bromomethane	94	1.911	1.911	0.000	92	36304	5.00	4.83	
16 Chloroethane	64	2.009	2.009	0.000	98	40003	5.00	4.69	
18 Trichlorofluoromethane	101	2.252	2.252	0.000	95	67833	5.00	4.72	
17 Dichlorofluoromethane	67	2.240	2.240	0.000	97	84826	5.00	4.98	
19 Ethyl ether	59	2.538	2.538	0.000	95	60845	5.00	4.82	
20 Acrolein	56	2.727	2.727	0.000	97	49769	25.0	24.3	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.751	2.751	0.000	67	38337	5.00	4.73	
22 1,1-Dichloroethene	96	2.757	2.757	0.000	92	43378	5.00	5.16	
23 Acetone	43	2.891	2.891	0.000	97	166543	25.0	24.1	
24 Iodomethane	142	2.927	2.927	0.000	97	83949	5.00	4.95	
25 Carbon disulfide	76	2.958	2.958	0.000	100	144012	5.00	4.86	
27 3-Chloro-1-propene	41	3.140	3.140	0.000	87	127132	5.00	4.67	
28 Methyl acetate	43	3.189	3.189	0.000	99	166225	10.0	9.77	
30 Methylene Chloride	84	3.292	3.292	0.000	94	67737	5.00	5.13	
31 2-Methyl-2-propanol	59	3.475	3.475	0.000	98	107616	50.0	49.2	
32 Methyl tert-butyl ether	73	3.511	3.511	0.000	99	182420	5.00	4.85	
33 trans-1,2-Dichloroethene	96	3.517	3.517	0.000	93	53431	5.00	4.95	
34 Acrylonitrile	53	3.584	3.584	0.000	98	377119	50.0	47.4	
35 Hexane	57	3.724	3.724	0.000	94	78016	5.00	4.53	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.949	3.949	0.000	97	113869	5.00	5.20	
39 Vinyl acetate	43	4.004	4.004	0.000	97	368948	10.0	9.51	
42 2,2-Dichloropropane	77	4.479	4.479	0.000	83	62131	5.00	4.78	
43 cis-1,2-Dichloroethene	96	4.515	4.515	0.000	83	61309	5.00	4.88	
44 2-Butanone (MEK)	43	4.546	4.546	0.000	98	258697	25.0	24.6	
47 Chlorobromomethane	128	4.758	4.758	0.000	91	30921	5.00	4.72	
49 Tetrahydrofuran	42	4.777	4.777	0.000	92	75269	10.0	10.1	
50 Chloroform	83	4.831	4.831	0.000	94	100883	5.00	4.76	
51 1,1,1-Trichloroethane	97	4.947	4.947	0.000	91	83097	5.00	4.90	
52 Cyclohexane	56	4.947	4.947	0.000	93	99440	5.00	4.80	
53 Carbon tetrachloride	117	5.081	5.081	0.000	95	66106	5.00	4.75	
54 1,1-Dichloropropene	75	5.093	5.093	0.000	86	70569	5.00	4.94	
55 Benzene	78	5.300	5.300	0.000	69	220580	5.00	4.82	
56 Isobutyl alcohol	43	5.318	5.318	0.000	93	112589	125.0	108.3	
57 1,2-Dichloroethane	62	5.367	5.367	0.000	96	98162	5.00	5.03	
59 n-Heptane	43	5.476	5.476	0.000	96	107086	5.00	4.96	
60 Trichloroethene	95	5.914	5.914	0.000	91	57498	5.00	5.06	
62 Methylcyclohexane	83	6.036	6.036	0.000	96	80404	5.00	4.85	
63 1,2-Dichloropropane	63	6.158	6.158	0.000	89	61056	5.00	4.83	
64 Dibromomethane	93	6.298	6.298	0.000	96	37206	5.00	4.94	
66 1,4-Dioxane	88	6.298	6.298	0.000	46	16864	100.0	104.6	
67 Dichlorobromomethane	83	6.450	6.450	0.000	95	75744	5.00	5.00	
69 2-Chloroethyl vinyl ether	63	6.723	6.723	0.000	87	43604	5.00	5.18	
71 cis-1,3-Dichloropropene	75	6.869	6.869	0.000	85	88730	5.00	4.85	
72 4-Methyl-2-pentanone (MIBK)	58	7.009	7.009	0.000	99	168000	25.0	24.7	
73 Toluene	92	7.155	7.155	0.000	97	143605	5.00	4.91	
75 trans-1,3-Dichloropropene	75	7.435	7.435	0.000	99	85238	5.00	4.93	
77 Ethyl methacrylate	69	7.472	7.472	0.000	92	76978	5.00	5.15	
78 1,1,2-Trichloroethane	83	7.630	7.630	0.000	93	41084	5.00	5.06	
79 Tetrachloroethene	166	7.691	7.691	0.000	94	55044	5.00	4.86	
80 1,3-Dichloropropane	76	7.788	7.788	0.000	97	87075	5.00	5.03	
82 2-Hexanone	43	7.849	7.849	0.000	98	335675	25.0	24.4	
83 Chlorodibromomethane	129	8.025	8.025	0.000	90	52413	5.00	4.71	
84 Ethylene Dibromide	107	8.129	8.129	0.000	100	53777	5.00	4.95	
85 Chlorobenzene	112	8.615	8.615	0.000	93	155218	5.00	5.01	
88 Ethylbenzene	91	8.701	8.701	0.000	98	259641	5.00	4.84	
89 1,1,1,2-Tetrachloroethane	131	8.701	8.701	0.000	44	55384	5.00	4.73	
90 m-Xylene & p-Xylene	106	8.822	8.822	0.000	98	105754	5.00	5.03	
91 o-Xylene	106	9.254	9.254	0.000	97	103408	5.00	4.78	
92 Styrene	104	9.279	9.279	0.000	95	179912	5.00	5.09	
93 Bromoform	173	9.534	9.534	0.000	94	31970	5.00	4.58	
95 Isopropylbenzene	105	9.631	9.631	0.000	96	268173	5.00	5.05	
97 Bromobenzene	156	9.978	9.978	0.000	94	65005	5.00	4.84	
98 1,1,2,2-Tetrachloroethane	83	10.027	10.027	0.000	94	70495	5.00	5.15	
100 N-Propylbenzene	91	10.051	10.051	0.000	99	304943	5.00	5.08	
99 1,2,3-Trichloropropane	110	10.057	10.057	0.000	92	21110	5.00	4.84	
101 trans-1,4-Dichloro-2-butene	53	10.076	10.076	0.000	80	30383	5.00	4.97	
102 2-Chlorotoluene	126	10.161	10.161	0.000	95	63408	5.00	5.06	
104 1,3,5-Trimethylbenzene	105	10.228	10.228	0.000	93	231843	5.00	5.18	
105 4-Chlorotoluene	91	10.270	10.270	0.000	99	188616	5.00	4.88	
106 tert-Butylbenzene	134	10.544	10.544	0.000	95	47469	5.00	4.85	
108 1,2,4-Trimethylbenzene	105	10.593	10.593	0.000	97	229858	5.00	4.99	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.751	10.751	0.000	95	273728	5.00	5.00	
111 4-Isopropyltoluene	119	10.891	10.891	0.000	98	245274	5.00	4.89	
110 1,3-Dichlorobenzene	146	10.891	10.891	0.000	73	129927	5.00	5.05	
113 1,4-Dichlorobenzene	146	10.976	10.976	0.000	95	133414	5.00	4.97	
115 n-Butylbenzene	91	11.274	11.274	0.000	98	215953	5.00	5.09	
116 1,2-Dichlorobenzene	146	11.329	11.329	0.000	97	128310	5.00	5.05	
117 1,2-Dibromo-3-Chloropropane	75	12.059	12.059	0.000	69	14078	5.00	4.58	
119 1,2,4-Trichlorobenzene	180	12.728	12.728	0.000	93	91106	5.00	5.09	
120 Hexachlorobutadiene	225	12.831	12.831	0.000	95	39113	5.00	4.97	
121 Naphthalene	128	12.941	12.941	0.000	97	249687	5.00	4.79	
122 1,2,3-Trichlorobenzene	180	13.142	13.142	0.000	95	86290	5.00	5.02	
S 126 Xylenes, Total	1				0			9.81	
S 124 1,2-Dichloroethene, Total	1				0			9.83	
S 123 1,3-Dichloropropene, Total	1				0			9.78	
S 125 Total BTEX	1				0			24.4	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00202	Amount Added:	5.00	Units: uL	
GAS CORP mix_00441	Amount Added:	5.00	Units: uL	
N_8260_Surr_00407	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00205	Amount Added:	1.00	Units: uL	Run Reagent

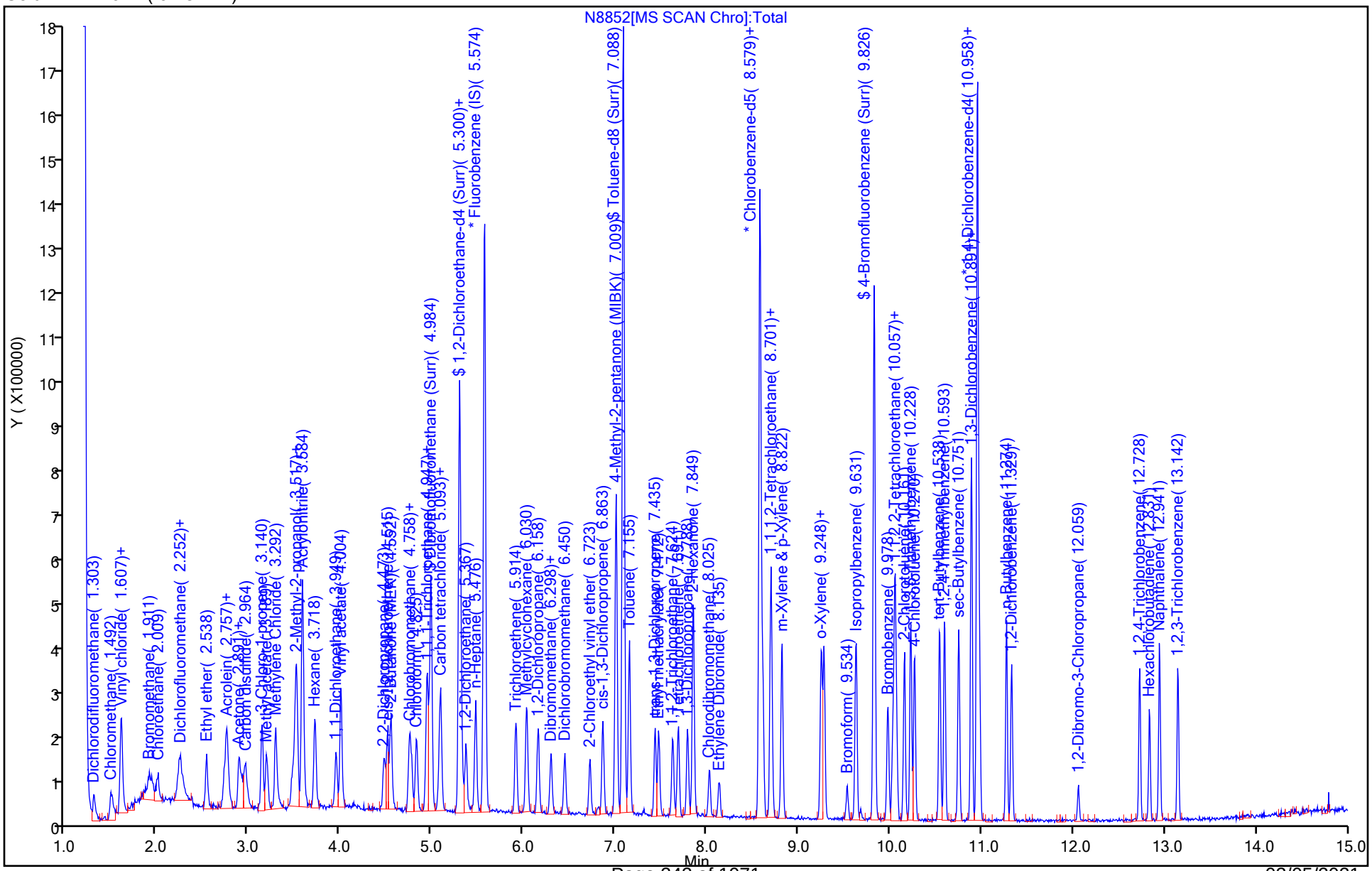
Report Date: 10-Feb-2021 12:38:22 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210209-96556.b\N8852.D

Injection Date:	09-Feb-2021 16:35:30	Instrument ID:	HP5973N	Operator ID:	WD
Lims ID:	IC 3			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210209-96556.b\N8853.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 09-Feb-2021 16:59:30 ALS Bottle#: 22 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 4
Misc. Info.: 480-0096556-009
Operator ID: WD Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromfs\Buffalo\ChromData\HP5973N\20210209-96556.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 10-Feb-2021 12:38:27 Calib Date: 09-Feb-2021 18:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20210209-96556.b\N8856.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1668

First Level Reviewer: moffata Date: 10-Feb-2021 09:21:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.574	5.568	0.006	98	201179	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.579	8.579	0.000	89	709928	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.958	10.958	0.000	96	366299	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.990	4.990	0.000	93	275914	25.0	26.3	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.300	5.300	0.000	85	359227	25.0	25.4	
$ 6 Toluene-d8 (Surr)	98	7.088	7.088	0.000	95	1002980	25.0	26.1	
$ 7 4-Bromofluorobenzene (Surr)	174	9.832	9.826	0.006	90	292495	25.0	25.0	
11 Dichlorodifluoromethane	85	1.315	1.303	0.012	98	115313	10.0	11.3	
13 Chloromethane	50	1.498	1.492	0.006	99	174954	10.0	10.5	
14 Vinyl chloride	62	1.595	1.595	0.000	83	134042	10.0	10.5	
144 Butadiene	54	1.607	1.607	0.000	99	161247	10.0	10.4	
15 Bromomethane	94	1.905	1.911	-0.006	90	76818	10.0	10.9	
16 Chloroethane	64	2.002	2.009	-0.007	97	82381	10.0	9.92	
17 Dichlorofluoromethane	67	2.252	2.240	0.012	95	174578	10.0	10.5	
18 Trichlorofluoromethane	101	2.252	2.252	0.000	60	151839	10.0	10.9	
19 Ethyl ether	59	2.544	2.538	0.006	94	128625	10.0	10.5	
20 Acrolein	56	2.726	2.727	-0.001	98	98647	50.0	49.3	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.757	2.751	0.006	68	94192	10.0	11.0	
22 1,1-Dichloroethene	96	2.763	2.757	0.006	94	88946	10.0	10.8	
23 Acetone	43	2.897	2.891	0.006	98	348572	50.0	51.7	
24 Iodomethane	142	2.927	2.927	0.000	99	169806	10.0	10.3	
25 Carbon disulfide	76	2.964	2.958	0.006	99	306393	10.0	10.6	
27 3-Chloro-1-propene	41	3.146	3.140	0.006	86	273034	10.0	10.3	
28 Methyl acetate	43	3.195	3.189	0.006	100	339476	20.0	20.5	
30 Methylene Chloride	84	3.298	3.292	0.006	94	122809	10.0	10.3	
31 2-Methyl-2-propanol	59	3.481	3.475	0.006	99	221337	100.0	103.9	
32 Methyl tert-butyl ether	73	3.511	3.511	0.000	99	381279	10.0	10.4	
33 trans-1,2-Dichloroethene	96	3.529	3.517	0.012	92	109806	10.0	10.4	
34 Acrylonitrile	53	3.590	3.584	0.006	99	800932	100.0	103.4	
35 Hexane	57	3.724	3.724	0.000	96	194440	10.0	10.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.955	3.949	0.006	97	230723	10.0	10.8	
39 Vinyl acetate	43	4.004	4.004	0.000	97	774203	20.0	20.5	
42 2,2-Dichloropropane	77	4.479	4.479	-0.001	88	138267	10.0	10.9	
43 cis-1,2-Dichloroethene	96	4.515	4.515	0.000	83	125072	10.0	10.2	
44 2-Butanone (MEK)	43	4.552	4.546	0.006	97	541093	50.0	52.9	
47 Chlorobromomethane	128	4.752	4.758	-0.006	90	66285	10.0	10.4	
49 Tetrahydrofuran	42	4.771	4.777	-0.006	92	150533	20.0	20.8	
50 Chloroform	83	4.831	4.831	0.000	97	206551	10.0	10.0	
52 Cyclohexane	56	4.947	4.947	0.000	97	232241	10.0	11.5	
51 1,1,1-Trichloroethane	97	4.941	4.947	-0.006	98	165070	10.0	10.0	
53 Carbon tetrachloride	117	5.087	5.081	0.006	94	147820	10.0	10.9	
54 1,1-Dichloropropene	75	5.093	5.093	0.000	85	154441	10.0	11.1	
55 Benzene	78	5.300	5.300	0.000	90	467144	10.0	10.5	
56 Isobutyl alcohol	43	5.318	5.318	0.000	93	267820	250.0	264.4	
57 1,2-Dichloroethane	62	5.373	5.367	0.006	97	197783	10.0	10.4	
59 n-Heptane	43	5.476	5.476	0.000	98	237861	10.0	11.3	
60 Trichloroethene	95	5.920	5.914	0.006	92	118278	10.0	10.7	
62 Methylcyclohexane	83	6.030	6.036	-0.006	97	175099	10.0	10.0	
63 1,2-Dichloropropane	63	6.158	6.158	0.000	85	118354	10.0	9.62	
64 Dibromomethane	93	6.298	6.298	0.000	94	75396	10.0	10.3	
66 1,4-Dioxane	88	6.298	6.298	0.000	48	33775	200.0	221.8	M
67 Dichlorobromomethane	83	6.450	6.450	0.000	96	146875	10.0	9.96	
69 2-Chloroethyl vinyl ether	63	6.723	6.723	0.000	87	84501	10.0	10.3	
71 cis-1,3-Dichloropropene	75	6.869	6.869	0.000	86	180735	10.0	10.1	
72 4-Methyl-2-pentanone (MIBK)	58	7.009	7.009	0.000	99	337447	50.0	52.4	
73 Toluene	92	7.155	7.155	0.000	97	288390	10.0	10.4	
75 trans-1,3-Dichloropropene	75	7.435	7.435	0.000	97	170363	10.0	10.4	
77 Ethyl methacrylate	69	7.478	7.472	0.006	96	150631	10.0	10.7	
78 1,1,2-Trichloroethane	83	7.624	7.630	-0.006	93	81056	10.0	10.6	
79 Tetrachloroethene	166	7.691	7.691	0.000	91	119205	10.0	11.2	
80 1,3-Dichloropropane	76	7.788	7.788	0.000	93	171931	10.0	10.5	
82 2-Hexanone	43	7.849	7.849	0.000	98	679654	50.0	52.4	
83 Chlorodibromomethane	129	8.025	8.025	0.000	92	107720	10.0	10.2	
84 Ethylene Dibromide	107	8.135	8.129	0.006	99	103906	10.0	10.1	
85 Chlorobenzene	112	8.609	8.615	-0.006	94	312753	10.0	10.7	
88 Ethylbenzene	91	8.701	8.701	-0.001	98	520529	10.0	10.3	
89 1,1,1,2-Tetrachloroethane	131	8.707	8.701	0.006	91	112878	10.0	10.2	
90 m-Xylene & p-Xylene	106	8.822	8.822	0.000	98	202694	10.0	10.2	
91 o-Xylene	106	9.254	9.254	0.000	97	211678	10.0	10.4	
92 Styrene	104	9.278	9.279	-0.001	92	335119	10.0	10.0	
93 Bromoform	173	9.534	9.534	0.000	96	66019	10.0	10.0	
95 Isopropylbenzene	105	9.631	9.631	0.000	97	558005	10.0	10.8	
97 Bromobenzene	156	9.978	9.978	0.000	97	134257	10.0	10.3	
98 1,1,2,2-Tetrachloroethane	83	10.033	10.027	0.006	94	142205	10.0	10.7	
100 N-Propylbenzene	91	10.051	10.051	0.000	99	612774	10.0	10.5	
99 1,2,3-Trichloropropane	110	10.057	10.057	0.000	89	45510	10.0	10.7	
101 trans-1,4-Dichloro-2-butene	53	10.075	10.076	-0.001	74	60621	10.0	9.90	
102 2-Chlorotoluene	126	10.161	10.161	0.000	96	129582	10.0	10.6	
104 1,3,5-Trimethylbenzene	105	10.227	10.228	-0.001	95	449554	10.0	10.3	
105 4-Chlorotoluene	91	10.270	10.270	0.000	98	380814	10.0	10.2	
106 tert-Butylbenzene	134	10.544	10.544	0.000	94	100386	10.0	10.6	
108 1,2,4-Trimethylbenzene	105	10.599	10.593	0.006	98	461269	10.0	10.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.751	10.751	0.000	95	575599	10.0	10.8	
111 4-Isopropyltoluene	119	10.891	10.891	0.000	97	516044	10.0	10.6	
110 1,3-Dichlorobenzene	146	10.891	10.891	0.000	71	255835	10.0	10.2	
113 1,4-Dichlorobenzene	146	10.976	10.976	0.000	94	268668	10.0	10.3	
115 n-Butylbenzene	91	11.274	11.274	0.000	98	438037	10.0	10.6	
116 1,2-Dichlorobenzene	146	11.329	11.329	0.000	97	263391	10.0	10.7	
117 1,2-Dibromo-3-Chloropropane	75	12.059	12.059	0.000	78	30437	10.0	10.2	
119 1,2,4-Trichlorobenzene	180	12.728	12.728	0.000	95	181758	10.0	10.5	
120 Hexachlorobutadiene	225	12.831	12.831	0.000	96	79893	10.0	10.4	
121 Naphthalene	128	12.941	12.941	0.000	98	539655	10.0	10.7	
122 1,2,3-Trichlorobenzene	180	13.148	13.142	0.006	93	187204	10.0	11.2	
S 126 Xylenes, Total	1				0			20.6	
S 124 1,2-Dichloroethene, Total	1				0			20.7	
S 123 1,3-Dichloropropene, Total	1				0			20.6	
S 125 Total BTEX	1				0			51.7	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00202	Amount Added:	5.00	Units: uL	
GAS CORP mix_00441	Amount Added:	5.00	Units: uL	
N_8260_Surr_00407	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00205	Amount Added:	1.00	Units: uL	Run Reagent

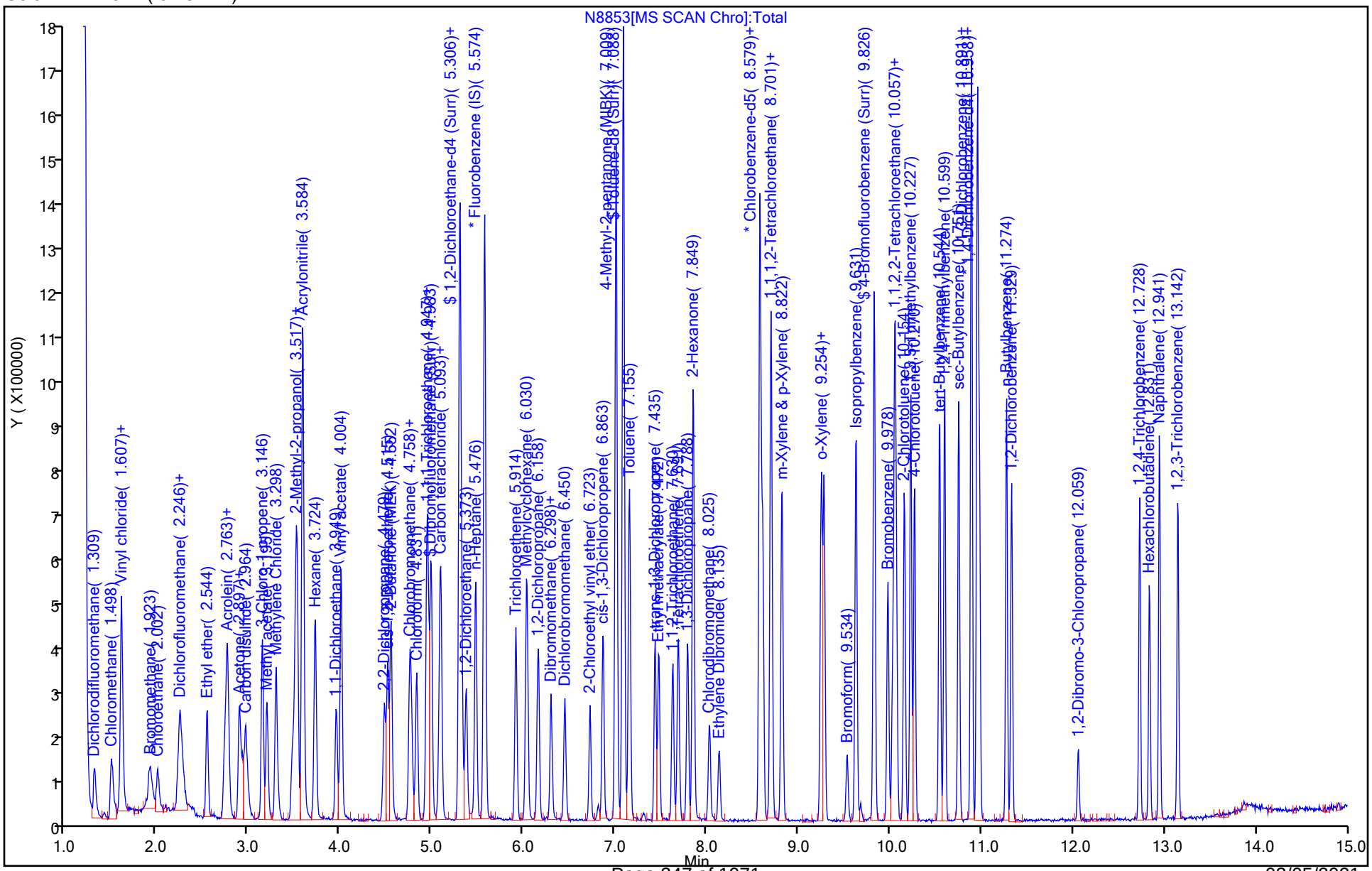
Report Date: 10-Feb-2021 12:38:29 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210209-96556.b\N8853.D

Injection Date:	09-Feb-2021 16:59:30	Instrument ID:	HP5973N	Operator ID:	WD
Lims ID:	IC 4			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

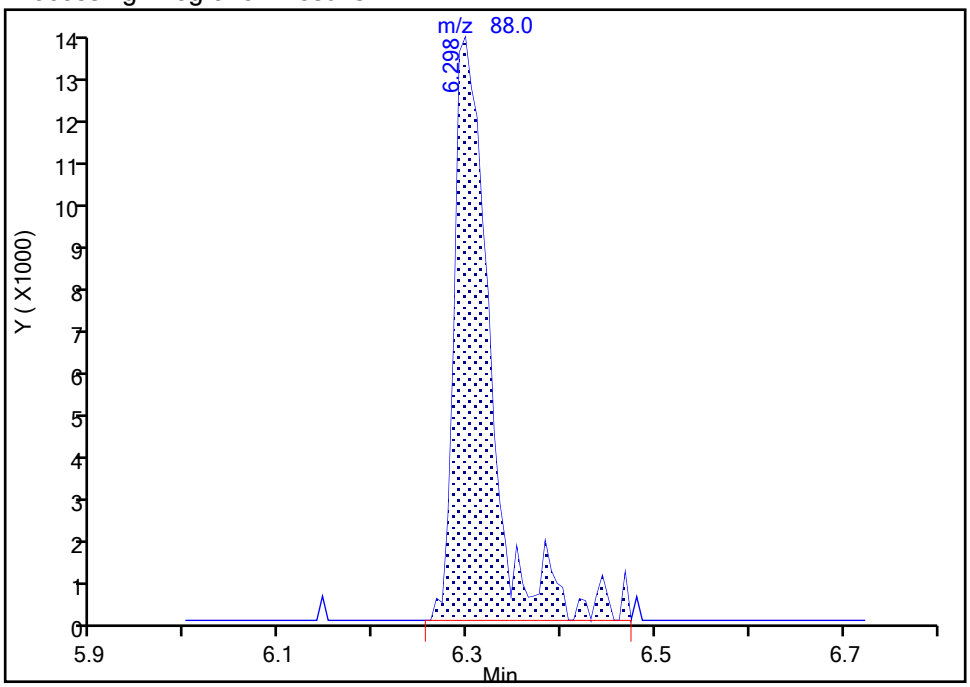
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Injection Date: 09-Feb-2021 16:59:30 Instrument ID: HP5973N
Lims ID: IC 4
Client ID:
Operator ID: WD ALS Bottle#: 22 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector MS SCAN

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

Signal: 1

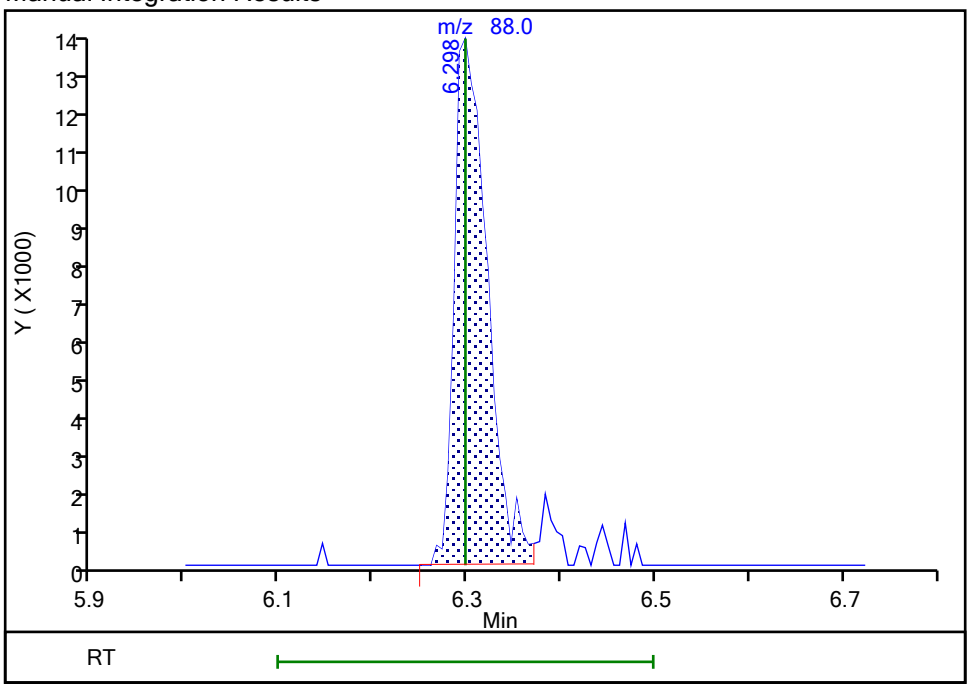
Processing Integration Results

RT: 6.30
Area: 37516
Amount: 242.1710
Amount Units: ug/L



Manual Integration Results

RT: 6.30
Area: 33775
Amount: 221.8490
Amount Units: ug/L



Reviewer: moffata, 10-Feb-2021 09:20:53
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210209-96556.b\N8854.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 09-Feb-2021 17:23:30 ALS Bottle#: 23 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 5
Misc. Info.: 480-0096556-010
Operator ID: WD Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromfs\Buffalo\ChromData\HP5973N\20210209-96556.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 10-Feb-2021 12:38:33 Calib Date: 09-Feb-2021 18:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20210209-96556.b\N8856.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1668

First Level Reviewer: HillL Date: 10-Feb-2021 12:37:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.568	5.568	0.000	98	208858	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.579	8.579	0.000	88	723937	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.958	10.958	0.000	95	382858	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.983	4.983	0.000	94	266561	25.0	24.5	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.294	5.294	0.000	62	354950	25.0	24.2	
$ 6 Toluene-d8 (Surr)	98	7.088	7.088	0.000	95	975035	25.0	24.8	
$ 7 4-Bromofluorobenzene (Surr)	174	9.832	9.832	0.000	90	289717	25.0	24.3	
11 Dichlorodifluoromethane	85	1.309	1.309	0.000	99	247842	25.0	23.4	
13 Chloromethane	50	1.498	1.498	0.000	99	412508	25.0	23.9	
14 Vinyl chloride	62	1.595	1.595	0.000	97	311998	25.0	23.5	
144 Butadiene	54	1.601	1.601	0.000	99	359390	25.0	22.4	
15 Bromomethane	94	1.923	1.923	0.000	91	178405	25.0	24.7	
16 Chloroethane	64	1.996	1.996	0.000	96	188675	25.0	21.9	
17 Dichlorofluoromethane	67	2.240	2.240	0.000	96	415350	25.0	24.1	
18 Trichlorofluoromethane	101	2.234	2.234	0.000	60	351480	25.0	24.2	
19 Ethyl ether	59	2.538	2.538	0.000	97	317561	25.0	24.9	
20 Acrolein	56	2.726	2.726	0.000	99	255900	125.0	123.2	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.751	2.751	0.000	75	226454	25.0	24.8	
22 1,1-Dichloroethene	96	2.763	2.763	0.000	93	230425	25.0	27.1	
23 Acetone	43	2.891	2.891	0.000	97	861229	125.0	123.0	
24 Iodomethane	142	2.927	2.927	0.000	100	443884	25.0	25.9	
25 Carbon disulfide	76	2.958	2.958	0.000	99	802503	25.0	26.8	
27 3-Chloro-1-propene	41	3.146	3.146	0.000	87	743025	25.0	27.0	
28 Methyl acetate	43	3.195	3.195	0.000	100	864073	50.0	50.2	
30 Methylene Chloride	84	3.292	3.292	0.000	93	296816	25.0	25.3	
31 2-Methyl-2-propanol	59	3.469	3.469	0.000	99	578566	250.0	261.5	
32 Methyl tert-butyl ether	73	3.511	3.511	0.000	99	974460	25.0	25.6	
33 trans-1,2-Dichloroethene	96	3.523	3.523	0.000	92	285691	25.0	26.2	
34 Acrylonitrile	53	3.584	3.584	0.000	100	2075402	250.0	258.1	
35 Hexane	57	3.724	3.724	0.000	95	466291	25.0	23.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.955	3.955	0.000	97	574960	25.0	25.9	
39 Vinyl acetate	43	4.004	4.004	0.000	97	2113238	50.0	53.9	
42 2,2-Dichloropropane	77	4.479	4.479	0.000	86	355808	25.0	27.0	
43 cis-1,2-Dichloroethene	96	4.515	4.515	0.000	84	323438	25.0	25.5	
44 2-Butanone (MEK)	43	4.545	4.545	0.000	97	1338647	125.0	125.9	
47 Chlorobromomethane	128	4.752	4.752	0.000	89	169862	25.0	25.6	
49 Tetrahydrofuran	42	4.771	4.771	0.000	94	368001	50.0	49.0	
50 Chloroform	83	4.831	4.831	0.000	97	526157	25.0	24.6	
52 Cyclohexane	56	4.947	4.947	0.000	98	591555	25.0	28.2	
51 1,1,1-Trichloroethane	97	4.941	4.941	0.000	98	436661	25.0	25.5	
53 Carbon tetrachloride	117	5.081	5.081	0.000	95	384127	25.0	27.3	
54 1,1-Dichloropropene	75	5.093	5.093	0.000	88	403493	25.0	27.9	
55 Benzene	78	5.300	5.300	0.000	95	1210612	25.0	26.1	
56 Isobutyl alcohol	43	5.318	5.318	0.000	93	669073	625.0	636.3	
57 1,2-Dichloroethane	62	5.373	5.373	0.000	95	509280	25.0	25.8	
59 n-Heptane	43	5.476	5.476	0.000	97	562810	25.0	25.8	
60 Trichloroethene	95	5.914	5.914	0.000	94	297165	25.0	25.8	
62 Methylcyclohexane	83	6.030	6.030	0.000	97	446160	25.0	23.5	
63 1,2-Dichloropropane	63	6.158	6.158	0.000	87	326837	25.0	25.6	
64 Dibromomethane	93	6.298	6.298	0.000	95	194253	25.0	25.5	
66 1,4-Dioxane	88	6.298	6.298	0.000	50	73645	500.0	474.4	
67 Dichlorobromomethane	83	6.450	6.450	0.000	97	387265	25.0	25.3	
69 2-Chloroethyl vinyl ether	63	6.723	6.723	0.000	89	220158	25.0	25.8	
71 cis-1,3-Dichloropropene	75	6.863	6.863	0.000	87	478339	25.0	25.8	
72 4-Methyl-2-pentanone (MIBK)	58	7.009	7.009	0.000	99	872442	125.0	132.9	
73 Toluene	92	7.155	7.155	0.000	97	744066	25.0	26.4	
75 trans-1,3-Dichloropropene	75	7.435	7.435	0.000	96	453655	25.0	27.3	
77 Ethyl methacrylate	69	7.472	7.472	0.000	95	381858	25.0	26.5	
78 1,1,2-Trichloroethane	83	7.630	7.630	0.000	91	209003	25.0	26.7	
79 Tetrachloroethene	166	7.691	7.691	0.000	92	296042	25.0	27.2	
80 1,3-Dichloropropane	76	7.788	7.788	0.000	93	444289	25.0	26.6	
82 2-Hexanone	43	7.849	7.849	0.000	98	1740780	125.0	131.6	
83 Chlorodibromomethane	129	8.031	8.031	0.000	89	293823	25.0	27.4	
84 Ethylene Dibromide	107	8.135	8.135	0.000	97	284255	25.0	27.2	
85 Chlorobenzene	112	8.609	8.609	0.000	92	807005	25.0	27.0	
88 Ethylbenzene	91	8.701	8.701	0.000	98	1381071	25.0	26.7	
89 1,1,1,2-Tetrachloroethane	131	8.707	8.707	0.000	93	297930	25.0	26.4	
90 m-Xylene & p-Xylene	106	8.822	8.822	0.000	99	529384	25.0	26.1	
91 o-Xylene	106	9.254	9.254	0.000	97	537151	25.0	25.8	
92 Styrene	104	9.278	9.278	0.000	96	944280	25.0	27.8	
93 Bromoform	173	9.534	9.534	0.000	96	180912	25.0	26.9	
95 Isopropylbenzene	105	9.631	9.631	0.000	96	1430347	25.0	26.5	
97 Bromobenzene	156	9.978	9.978	0.000	93	343474	25.0	25.2	
98 1,1,2,2-Tetrachloroethane	83	10.027	10.027	0.000	93	363135	25.0	26.2	
100 N-Propylbenzene	91	10.051	10.051	0.000	99	1623258	25.0	26.6	
99 1,2,3-Trichloropropane	110	10.057	10.057	0.000	90	117014	25.0	26.4	
101 trans-1,4-Dichloro-2-butene	53	10.075	10.075	0.000	82	154863	25.0	23.8	
102 2-Chlorotoluene	126	10.161	10.161	0.000	96	337394	25.0	26.5	
104 1,3,5-Trimethylbenzene	105	10.228	10.228	0.000	95	1207523	25.0	26.6	
105 4-Chlorotoluene	91	10.270	10.270	0.000	98	1019425	25.0	26.0	
106 tert-Butylbenzene	134	10.544	10.544	0.000	95	263315	25.0	26.5	
108 1,2,4-Trimethylbenzene	105	10.599	10.599	0.000	98	1232715	25.0	26.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.751	10.751	0.000	95	1491563	25.0	26.8	
111 4-Isopropyltoluene	119	10.891	10.891	0.000	98	1348504	25.0	26.5	
110 1,3-Dichlorobenzene	146	10.891	10.891	0.000	70	674232	25.0	25.8	
113 1,4-Dichlorobenzene	146	10.976	10.976	0.000	94	675755	25.0	24.8	
115 n-Butylbenzene	91	11.274	11.274	0.000	98	1129432	25.0	26.2	
116 1,2-Dichlorobenzene	146	11.329	11.329	0.000	98	674208	25.0	26.2	
117 1,2-Dibromo-3-Chloropropane	75	12.059	12.059	0.000	82	71818	25.0	23.0	
119 1,2,4-Trichlorobenzene	180	12.728	12.728	0.000	95	458370	25.0	25.2	
120 Hexachlorobutadiene	225	12.837	12.837	0.000	96	216057	25.0	27.0	
121 Naphthalene	128	12.947	12.947	0.000	97	1414447	25.0	26.8	
122 1,2,3-Trichlorobenzene	180	13.148	13.148	0.000	95	450374	25.0	25.8	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00202	Amount Added: 12.50	Units: uL	
GAS CORP mix_00441	Amount Added: 12.50	Units: uL	
N_8260_Surr_00407	Amount Added: 1.00	Units: uL	Run Reagent
N 8260 IS_00205	Amount Added: 1.00	Units: uL	Run Reagent

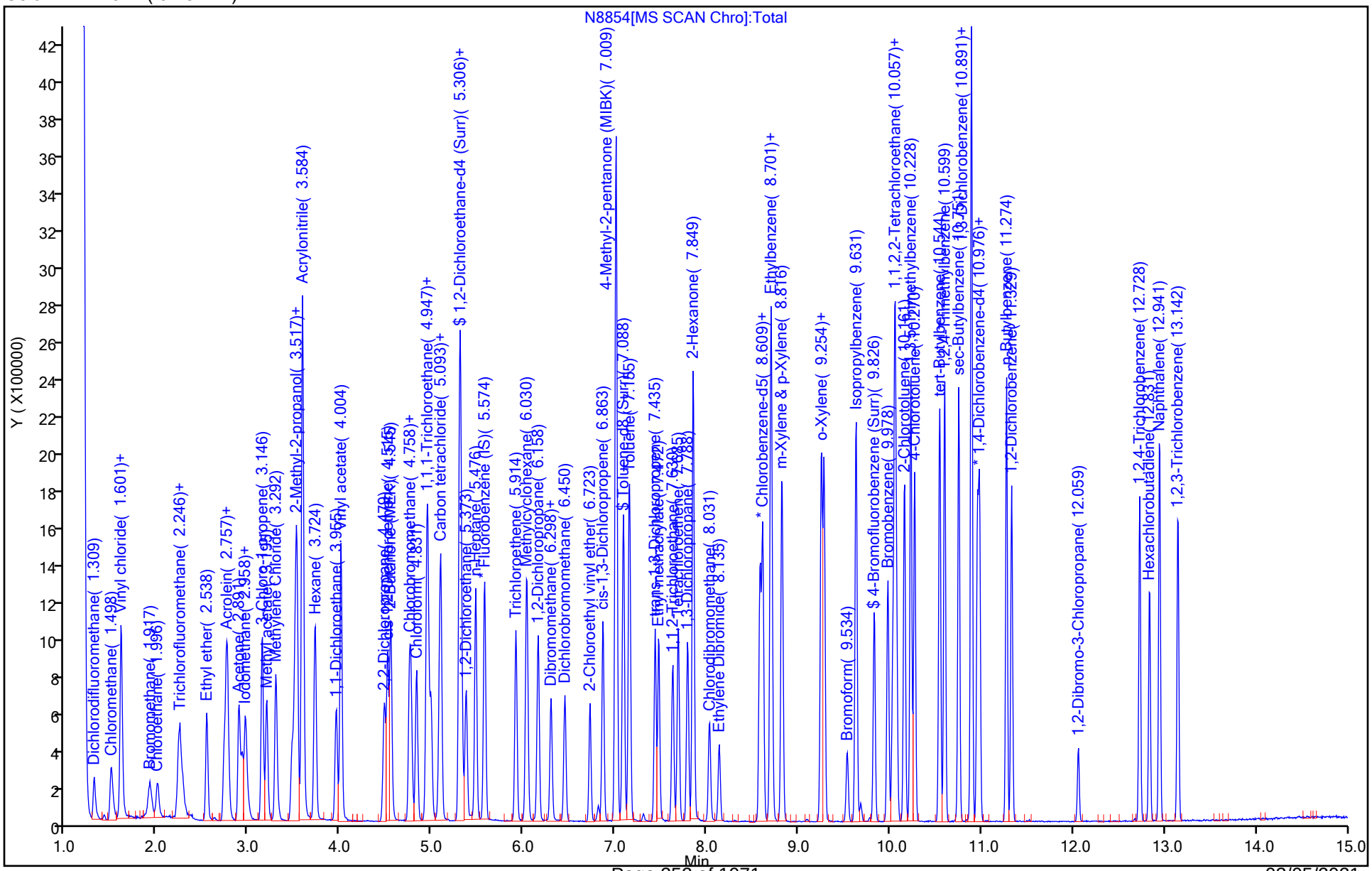
Report Date: 10-Feb-2021 12:38:35 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210209-96556.b\N8854.D

Injection Date:	09-Feb-2021 17:23:30	Instrument ID:	HP5973N	Operator ID:	WD
Lims ID:	ICIS 5			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210209-96556.b\N8855.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 09-Feb-2021 17:47:30 ALS Bottle#: 24 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0096556-011
Operator ID: WD Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromfs\Buffalo\ChromData\HP5973N\20210209-96556.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 10-Feb-2021 12:38:39 Calib Date: 09-Feb-2021 18:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20210209-96556.b\N8856.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1668

First Level Reviewer: moffata Date: 10-Feb-2021 12:20:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.574	5.568	0.006	98	211424	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.579	8.579	0.000	87	798735	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.958	10.958	0.000	95	412134	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.990	4.983	0.007	93	278168	25.0	25.3	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.300	5.294	0.006	49	380346	25.0	25.6	
$ 6 Toluene-d8 (Surr)	98	7.088	7.088	0.000	95	1084943	25.0	25.1	
$ 7 4-Bromofluorobenzene (Surr)	174	9.826	9.832	-0.006	89	345587	25.0	26.2	
11 Dichlorodifluoromethane	85	1.309	1.309	0.000	99	479348	50.0	44.7	
13 Chloromethane	50	1.498	1.498	0.000	99	794946	50.0	45.4	
14 Vinyl chloride	62	1.595	1.595	0.000	98	578103	50.0	43.0	
144 Butadiene	54	1.607	1.601	0.006	99	716716	50.0	44.1	
15 Bromomethane	94	1.911	1.923	-0.012	90	337616	50.0	46.5	
16 Chloroethane	64	2.002	1.996	0.006	97	363033	50.0	41.6	
18 Trichlorofluoromethane	101	2.240	2.234	0.006	97	678166	50.0	46.1	
17 Dichlorofluoromethane	67	2.240	2.240	0.000	97	803655	50.0	46.0	
19 Ethyl ether	59	2.538	2.538	0.000	96	649433	50.0	50.2	
20 Acrolein	56	2.726	2.726	0.000	98	528598	250.0	251.5	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.757	2.751	0.006	68	436120	50.0	46.7	
22 1,1-Dichloroethene	96	2.757	2.763	-0.006	93	446389	50.0	51.8	
23 Acetone	43	2.891	2.891	0.000	97	1808688	250.0	255.2	
24 Iodomethane	142	2.927	2.927	0.000	99	841053	50.0	48.4	
25 Carbon disulfide	76	2.964	2.958	0.006	99	1540282	50.0	50.8	
27 3-Chloro-1-propene	41	3.140	3.146	-0.006	87	1423813	50.0	51.0	
28 Methyl acetate	43	3.189	3.195	-0.006	100	1799989	100.0	103.3	
30 Methylene Chloride	84	3.292	3.292	0.000	93	578369	50.0	49.6	
31 2-Methyl-2-propanol	59	3.469	3.469	0.000	99	1273259	500.0	568.6	
32 Methyl tert-butyl ether	73	3.505	3.511	-0.006	99	2022394	50.0	52.5	
33 trans-1,2-Dichloroethene	96	3.523	3.523	0.000	93	558912	50.0	50.6	
34 Acrylonitrile	53	3.584	3.584	0.000	99	4338626	500.0	532.9	
35 Hexane	57	3.724	3.724	0.000	96	967143	50.0	47.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.949	3.955	-0.006	97	1150086	50.0	51.2	
39 Vinyl acetate	43	4.004	4.004	0.000	96	4662386	100.0	117.4	
42 2,2-Dichloropropane	77	4.479	4.479	-0.001	88	666629	50.0	50.0	
43 cis-1,2-Dichloroethene	96	4.515	4.515	0.000	86	644180	50.0	50.1	
44 2-Butanone (MEK)	43	4.545	4.545	0.000	97	2934433	250.0	272.7	
47 Chlorobromomethane	128	4.752	4.752	0.000	90	343593	50.0	51.2	
49 Tetrahydrofuran	42	4.771	4.771	0.000	94	792619	100.0	104.2	
50 Chloroform	83	4.831	4.831	0.000	96	1062465	50.0	49.0	
51 1,1,1-Trichloroethane	97	4.941	4.941	0.000	98	862791	50.0	49.7	
52 Cyclohexane	56	4.947	4.947	0.000	97	1177575	50.0	55.5	
53 Carbon tetrachloride	117	5.081	5.081	0.000	95	752949	50.0	52.8	
54 1,1-Dichloropropene	75	5.093	5.093	0.000	88	786536	50.0	53.8	
55 Benzene	78	5.300	5.300	0.000	96	2423710	50.0	51.7	
56 Isobutyl alcohol	43	5.318	5.318	0.000	93	1511683	1250.0	1420.1	
57 1,2-Dichloroethane	62	5.367	5.373	-0.006	96	1041091	50.0	52.1	
59 n-Heptane	43	5.476	5.476	0.000	98	1256348	50.0	56.8	
60 Trichloroethene	95	5.914	5.914	0.000	94	603178	50.0	51.8	
62 Methylcyclohexane	83	6.030	6.030	0.000	97	912996	50.0	46.9	
63 1,2-Dichloropropane	63	6.158	6.158	0.000	87	661245	50.0	51.1	
64 Dibromomethane	93	6.298	6.298	0.000	96	402003	50.0	52.2	
66 1,4-Dioxane	88	6.298	6.298	0.000	50	177413	1000.0	1035.8	
67 Dichlorobromomethane	83	6.450	6.450	0.000	97	801070	50.0	51.7	
69 2-Chloroethyl vinyl ether	63	6.723	6.723	0.000	88	488753	50.0	56.7	
71 cis-1,3-Dichloropropene	75	6.863	6.863	0.000	88	1047912	50.0	55.9	
72 4-Methyl-2-pentanone (MIBK)	58	7.009	7.009	0.000	98	1953898	250.0	269.8	
73 Toluene	92	7.155	7.155	0.000	98	1562013	50.0	50.2	
75 trans-1,3-Dichloropropene	75	7.435	7.435	0.000	97	968790	50.0	52.7	
77 Ethyl methacrylate	69	7.472	7.472	0.000	93	882914	50.0	55.6	
78 1,1,2-Trichloroethane	83	7.630	7.630	0.000	93	453222	50.0	52.5	
79 Tetrachloroethene	166	7.691	7.691	0.000	96	641317	50.0	53.3	
80 1,3-Dichloropropane	76	7.788	7.788	0.000	93	966399	50.0	52.5	
82 2-Hexanone	43	7.849	7.849	0.000	98	4001404	250.0	274.2	
83 Chlorodibromomethane	129	8.031	8.031	0.000	90	651734	50.0	55.1	
84 Ethylene Dibromide	107	8.135	8.135	0.000	99	618767	50.0	53.6	
85 Chlorobenzene	112	8.609	8.609	0.000	92	1714807	50.0	52.1	
88 Ethylbenzene	91	8.701	8.701	-0.001	99	2949267	50.0	51.7	
89 1,1,1,2-Tetrachloroethane	131	8.707	8.707	0.000	94	644509	50.0	51.8	
90 m-Xylene & p-Xylene	106	8.822	8.822	0.000	99	1133701	50.0	50.8	
91 o-Xylene	106	9.248	9.254	-0.006	98	1123791	50.0	48.9	
92 Styrene	104	9.278	9.278	0.000	95	2005439	50.0	53.4	
93 Bromoform	173	9.534	9.534	0.000	96	422410	50.0	56.9	
95 Isopropylbenzene	105	9.631	9.631	0.000	96	2991913	50.0	51.5	
97 Bromobenzene	156	9.978	9.978	0.000	93	751229	50.0	51.2	
98 1,1,2,2-Tetrachloroethane	83	10.027	10.027	0.000	95	789837	50.0	52.9	
100 N-Propylbenzene	91	10.051	10.051	0.000	99	3444254	50.0	52.5	
99 1,2,3-Trichloropropane	110	10.063	10.057	0.006	91	251378	50.0	52.7	
101 trans-1,4-Dichloro-2-butene	53	10.075	10.075	0.000	78	361718	50.0	51.3	
102 2-Chlorotoluene	126	10.161	10.161	0.000	96	689358	50.0	50.3	
104 1,3,5-Trimethylbenzene	105	10.227	10.228	-0.001	95	2547532	50.0	52.1	
105 4-Chlorotoluene	91	10.270	10.270	0.000	98	2198653	50.0	52.1	
106 tert-Butylbenzene	134	10.544	10.544	0.000	95	554308	50.0	51.9	
108 1,2,4-Trimethylbenzene	105	10.599	10.599	0.000	98	2602478	50.0	51.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.751	10.751	0.000	94	3163706	50.0	52.9	
111 4-Isopropyltoluene	119	10.891	10.891	0.000	98	2859785	50.0	52.2	
110 1,3-Dichlorobenzene	146	10.891	10.891	0.000	72	1445835	50.0	51.5	
113 1,4-Dichlorobenzene	146	10.976	10.976	0.000	94	1460189	50.0	49.8	
115 n-Butylbenzene	91	11.274	11.274	0.000	98	2435523	50.0	52.5	
116 1,2-Dichlorobenzene	146	11.329	11.329	0.000	97	1397549	50.0	50.4	
117 1,2-Dibromo-3-Chloropropane	75	12.059	12.059	0.000	81	171524	50.0	51.1	
119 1,2,4-Trichlorobenzene	180	12.728	12.728	0.000	95	985744	50.0	50.4	
120 Hexachlorobutadiene	225	12.837	12.837	0.000	97	451464	50.0	52.5	
121 Naphthalene	128	12.947	12.947	0.000	97	3017726	50.0	53.0	
122 1,2,3-Trichlorobenzene	180	13.148	13.148	0.000	94	956824	50.0	50.9	
S 126 Xylenes, Total	1				0			99.7	
S 124 1,2-Dichloroethene, Total	1				0			100.7	
S 123 1,3-Dichloropropene, Total	1				0			108.6	
S 125 Total BTEX	1				0			253.2	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00202	Amount Added:	25.00	Units: uL	
GAS CORP mix_00441	Amount Added:	25.00	Units: uL	
N_8260_Surr_00407	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00205	Amount Added:	1.00	Units: uL	Run Reagent

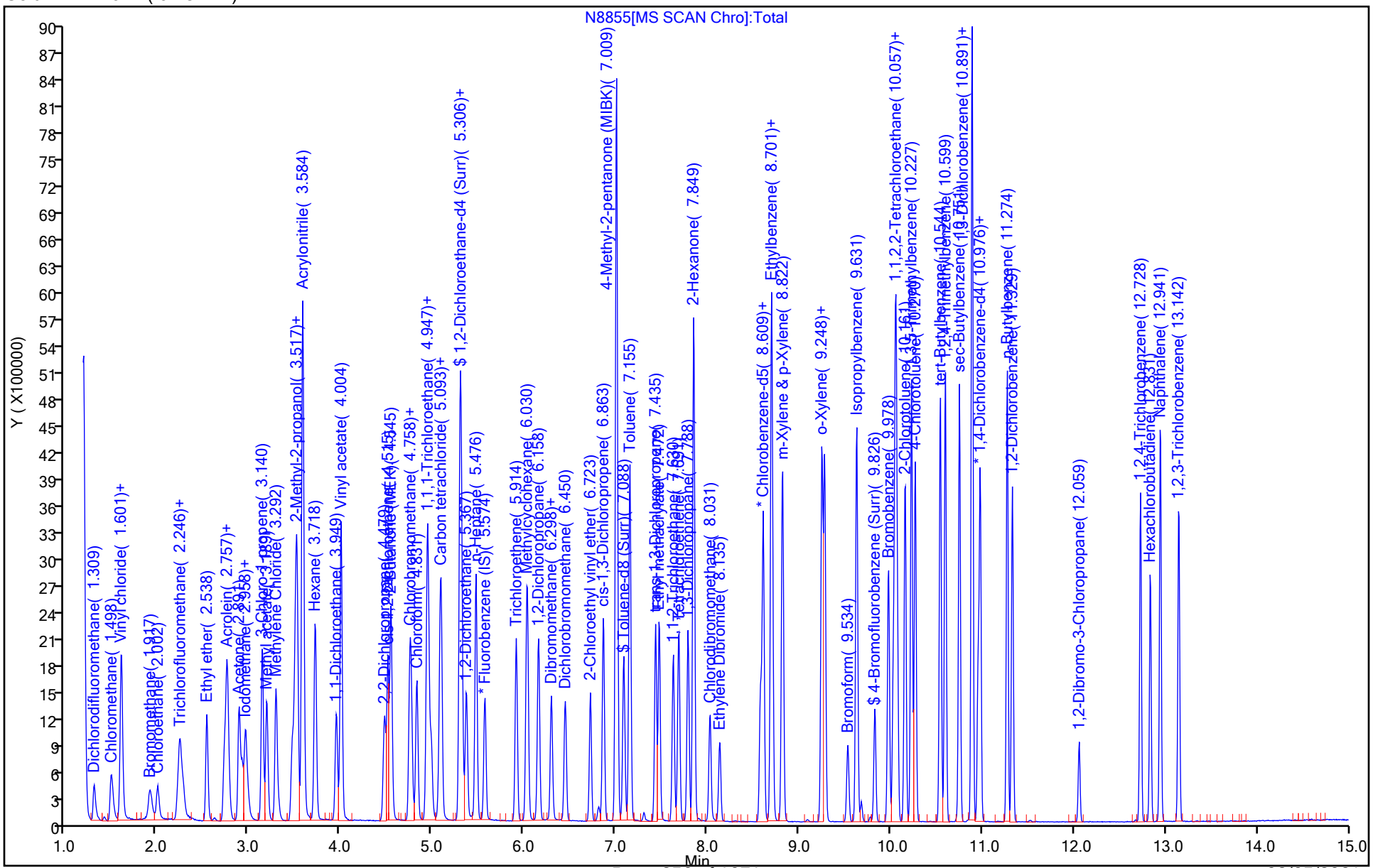
Report Date: 10-Feb-2021 12:38:42 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210209-96556.b\N8855.D

Injection Date:	09-Feb-2021 17:47:30	Instrument ID:	HP5973N	Operator ID:	WD
Lims ID:	IC 6			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210209-96556.b\N8856.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 09-Feb-2021 18:11:30 ALS Bottle#: 25 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 7
Misc. Info.: 480-0096556-012
Operator ID: WD Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromfs\Buffalo\ChromData\HP5973N\20210209-96556.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 10-Feb-2021 12:38:46 Calib Date: 09-Feb-2021 18:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20210209-96556.b\N8856.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1668

First Level Reviewer: moffata Date: 10-Feb-2021 09:40:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.574	5.568	0.006	98	225609	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.585	8.579	0.006	86	832930	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.958	10.958	0.000	95	441514	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.990	4.983	0.007	94	290320	25.0	24.7	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.300	5.294	0.006	43	385215	25.0	24.3	
$ 6 Toluene-d8 (Surr)	98	7.088	7.088	0.000	95	1133490	25.0	25.1	
$ 7 4-Bromofluorobenzene (Surr)	174	9.826	9.832	-0.006	90	355264	25.0	25.9	
11 Dichlorodifluoromethane	85	1.309	1.309	0.000	99	1188737	100.0	103.9	
13 Chloromethane	50	1.498	1.498	0.000	99	1848043	100.0	98.9	
14 Vinyl chloride	62	1.595	1.595	0.000	97	1409915	100.0	98.4	
144 Butadiene	54	1.607	1.601	0.006	100	1711931	100.0	98.7	
15 Bromomethane	94	1.917	1.923	-0.006	92	799045	100.0	103.4	
16 Chloroethane	64	2.002	1.996	0.006	96	861347	100.0	92.4	
18 Trichlorofluoromethane	101	2.246	2.234	0.012	96	1682275	100.0	107.2	
17 Dichlorofluoromethane	67	2.246	2.240	0.006	98	1865549	100.0	100.1	
19 Ethyl ether	59	2.538	2.538	0.000	97	1390278	100.0	100.8	
20 Acrolein	56	2.726	2.726	0.000	99	1078183	500.0	480.7	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.757	2.751	0.006	93	1032010	100.0	102.8	
22 1,1-Dichloroethene	96	2.763	2.763	0.000	93	1034489	100.0	112.5	
23 Acetone	43	2.891	2.891	0.000	97	3821423	500.0	505.3	
24 Iodomethane	142	2.927	2.927	0.000	100	1890844	100.0	102.1	
25 Carbon disulfide	76	2.964	2.958	0.006	100	3629283	100.0	112.1	
27 3-Chloro-1-propene	41	3.146	3.146	0.000	87	3158489	100.0	106.1	
28 Methyl acetate	43	3.189	3.195	-0.006	100	3812585	200.0	205.0	
30 Methylene Chloride	84	3.292	3.292	0.000	93	1227780	100.0	99.7	
31 2-Methyl-2-propanol	59	3.469	3.469	0.000	98	2605690	1000.0	1090.4	
32 Methyl tert-butyl ether	73	3.511	3.511	0.000	98	4217539	100.0	102.6	
33 trans-1,2-Dichloroethene	96	3.523	3.523	0.000	93	1244688	100.0	105.6	
34 Acrylonitrile	53	3.584	3.584	0.000	99	9337834	1000.0	1074.9	
35 Hexane	57	3.724	3.724	0.000	96	2257730	100.0	103.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.949	3.955	-0.006	97	2542052	100.0	106.1	
39 Vinyl acetate	43	4.004	4.004	0.000	96	10087849	200.0	238.0	
42 2,2-Dichloropropane	77	4.479	4.479	-0.001	88	1513074	100.0	106.5	
43 cis-1,2-Dichloroethene	96	4.515	4.515	0.000	84	1388402	100.0	101.1	
44 2-Butanone (MEK)	43	4.545	4.545	0.000	97	6233322	500.0	542.9	
47 Chlorobromomethane	128	4.752	4.752	0.000	90	730918	100.0	102.1	
49 Tetrahydrofuran	42	4.771	4.771	0.000	94	1672284	200.0	206.0	
50 Chloroform	83	4.831	4.831	0.000	97	2281556	100.0	98.6	
51 1,1,1-Trichloroethane	97	4.941	4.941	0.000	97	1993181	100.0	107.6	
52 Cyclohexane	56	4.947	4.947	0.000	96	2809739	100.0	124.1	
53 Carbon tetrachloride	117	5.081	5.081	0.000	95	1793395	100.0	118.0	
54 1,1-Dichloropropene	75	5.093	5.093	0.000	88	1810251	100.0	116.0	
55 Benzene	78	5.300	5.300	0.000	97	5403721	100.0	108.0	
56 Isobutyl alcohol	43	5.318	5.318	0.000	95	3415973	2500.0	3007.3	
57 1,2-Dichloroethane	62	5.373	5.373	0.000	96	2194079	100.0	102.9	
59 n-Heptane	43	5.476	5.476	0.000	97	2816056	100.0	119.3	
60 Trichloroethene	95	5.914	5.914	0.000	95	1361318	100.0	109.6	
62 Methylcyclohexane	83	6.036	6.030	0.006	98	2193295	100.0	104.7	
63 1,2-Dichloropropane	63	6.158	6.158	0.000	88	1429759	100.0	103.6	
64 Dibromomethane	93	6.297	6.298	-0.001	94	851135	100.0	103.5	
66 1,4-Dioxane	88	6.297	6.298	-0.001	50	353374	2000.0	1978.3	
67 Dichlorobromomethane	83	6.450	6.450	0.000	97	1772466	100.0	107.2	
69 2-Chloroethyl vinyl ether	63	6.723	6.723	0.000	88	1032908	100.0	112.2	
71 cis-1,3-Dichloropropene	75	6.863	6.863	0.000	88	2265044	100.0	113.2	
72 4-Methyl-2-pentanone (MIBK)	58	7.009	7.009	0.000	99	4097587	500.0	542.6	
73 Toluene	92	7.155	7.155	0.000	97	3488106	100.0	107.5	
75 trans-1,3-Dichloropropene	75	7.435	7.435	0.000	98	2153532	100.0	112.4	
77 Ethyl methacrylate	69	7.478	7.472	0.006	94	1884501	100.0	113.7	
78 1,1,2-Trichloroethane	83	7.630	7.630	0.000	93	950686	100.0	105.7	
79 Tetrachloroethene	166	7.691	7.691	0.000	96	1426599	100.0	113.8	
80 1,3-Dichloropropane	76	7.788	7.788	0.000	95	2068931	100.0	107.8	
82 2-Hexanone	43	7.849	7.849	0.000	98	8380283	500.0	550.7	
83 Chlorodibromomethane	129	8.025	8.031	-0.006	91	1408080	100.0	114.1	
84 Ethylene Dibromide	107	8.135	8.135	0.000	98	1319725	100.0	109.7	
85 Chlorobenzene	112	8.609	8.609	0.000	93	3817242	100.0	111.1	
88 Ethylbenzene	91	8.701	8.701	-0.001	99	6627470	100.0	111.4	
89 1,1,1,2-Tetrachloroethane	131	8.707	8.707	0.000	95	1410269	100.0	108.7	
90 m-Xylene & p-Xylene	106	8.822	8.822	0.000	99	2549892	100.0	109.5	
91 o-Xylene	106	9.248	9.254	-0.006	98	2512305	100.0	104.9	
92 Styrene	104	9.278	9.278	0.000	96	4405525	100.0	112.5	
93 Bromoform	173	9.534	9.534	0.000	96	951106	100.0	123.0	
95 Isopropylbenzene	105	9.631	9.631	0.000	96	6900745	100.0	111.0	
97 Bromobenzene	156	9.978	9.978	0.000	96	1614354	100.0	102.7	
98 1,1,2,2-Tetrachloroethane	83	10.027	10.027	0.000	93	1679627	100.0	105.0	
100 N-Propylbenzene	91	10.051	10.051	0.000	99	7807418	100.0	111.0	
99 1,2,3-Trichloropropane	110	10.063	10.057	0.006	90	536624	100.0	105.1	
101 trans-1,4-Dichloro-2-butene	53	10.075	10.075	0.000	81	757859	100.0	100.0	
102 2-Chlorotoluene	126	10.161	10.161	0.000	96	1518117	100.0	103.4	
104 1,3,5-Trimethylbenzene	105	10.227	10.228	-0.001	94	5793277	100.0	110.7	
105 4-Chlorotoluene	91	10.270	10.270	0.000	98	4911149	100.0	108.7	
106 tert-Butylbenzene	134	10.544	10.544	0.000	94	1237074	100.0	108.0	
108 1,2,4-Trimethylbenzene	105	10.599	10.599	0.000	97	5885165	100.0	109.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.751	10.751	0.000	94	7396217	100.0	115.4	
111 4-Isopropyltoluene	119	10.891	10.891	0.000	98	6681849	100.0	113.8	
110 1,3-Dichlorobenzene	146	10.891	10.891	0.000	69	3176802	100.0	105.5	
113 1,4-Dichlorobenzene	146	10.982	10.976	0.006	95	3225211	100.0	102.7	
115 n-Butylbenzene	91	11.274	11.274	0.000	98	5574206	100.0	112.2	
116 1,2-Dichlorobenzene	146	11.329	11.329	0.000	97	3126978	100.0	105.2	
117 1,2-Dibromo-3-Chloropropane	75	12.059	12.059	0.000	83	368831	100.0	102.5	
119 1,2,4-Trichlorobenzene	180	12.728	12.728	0.000	95	2186220	100.0	104.3	
120 Hexachlorobutadiene	225	12.837	12.837	0.000	97	1036718	100.0	112.5	
121 Naphthalene	128	12.941	12.947	-0.006	97	6699064	100.0	109.9	
122 1,2,3-Trichlorobenzene	180	13.148	13.148	0.000	96	2132294	100.0	106.0	
S 126 Xylenes, Total	1				0			214.3	
S 124 1,2-Dichloroethene, Total	1				0			206.7	
S 123 1,3-Dichloropropene, Total	1				0			225.6	
S 125 Total BTEX	1				0			541.2	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00202	Amount Added:	50.00	Units: uL	
GAS CORP mix_00441	Amount Added:	50.00	Units: uL	
N_8260_Surr_00407	Amount Added:	1.00	Units: uL	Run Reagent
N 8260 IS_00205	Amount Added:	1.00	Units: uL	Run Reagent

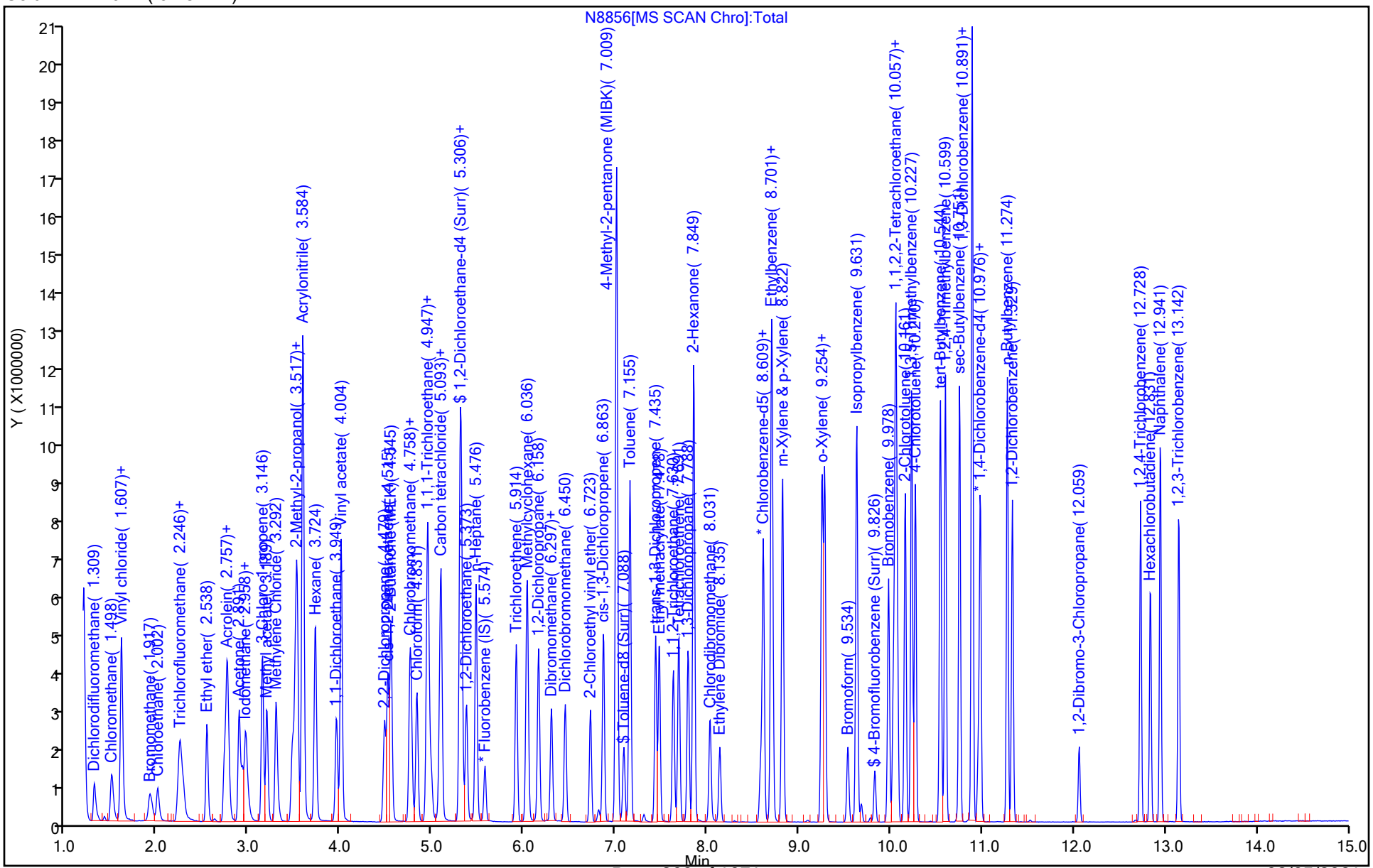
Report Date: 10-Feb-2021 12:38:49 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210209-96556.b\N8856.D

Injection Date:	09-Feb-2021 18:11:30	Instrument ID:	HP5973N	Operator ID:	WD
Lims ID:	IC 7			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Calibration / Dichlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

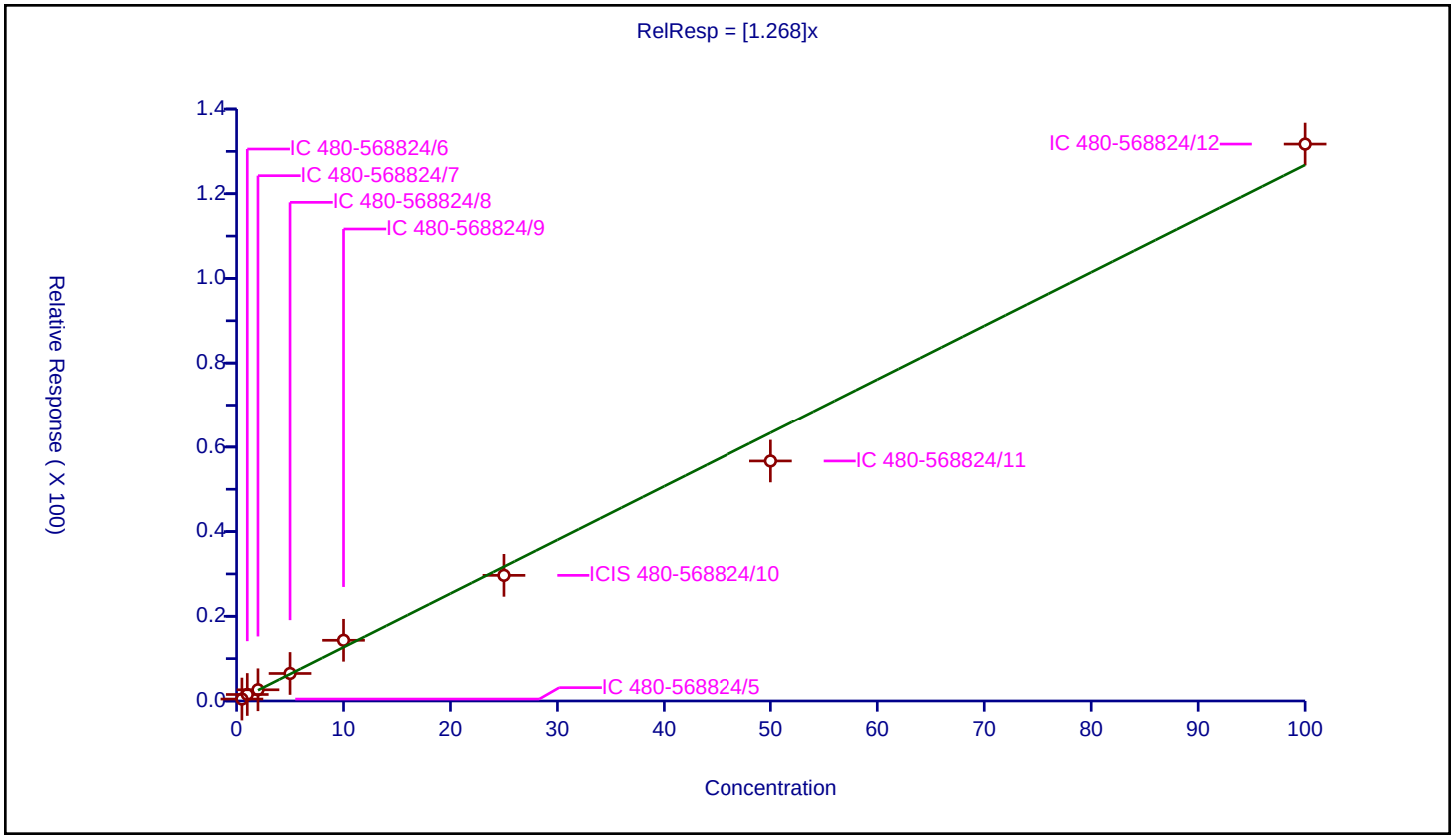
Curve Coefficients

Intercept:	0
Slope:	1.268

Error Coefficients

Standard Error:	496000
Relative Standard Error:	15.0
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.973

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.458531	25.0	205275.0	0.917062	Y
2	IC 480-568824/6	1.0	1.535167	25.0	190647.0	1.535167	Y
3	IC 480-568824/7	2.0	2.646465	25.0	199587.0	1.323232	Y
4	IC 480-568824/8	5.0	6.491228	25.0	206444.0	1.298246	Y
5	IC 480-568824/9	10.0	14.329652	25.0	201179.0	1.432965	Y
6	ICIS 480-568824/10	25.0	29.666328	25.0	208858.0	1.186653	Y
7	IC 480-568824/11	50.0	56.680888	25.0	211424.0	1.133618	Y
8	IC 480-568824/12	100.0	131.725352	25.0	225609.0	1.317254	Y



Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

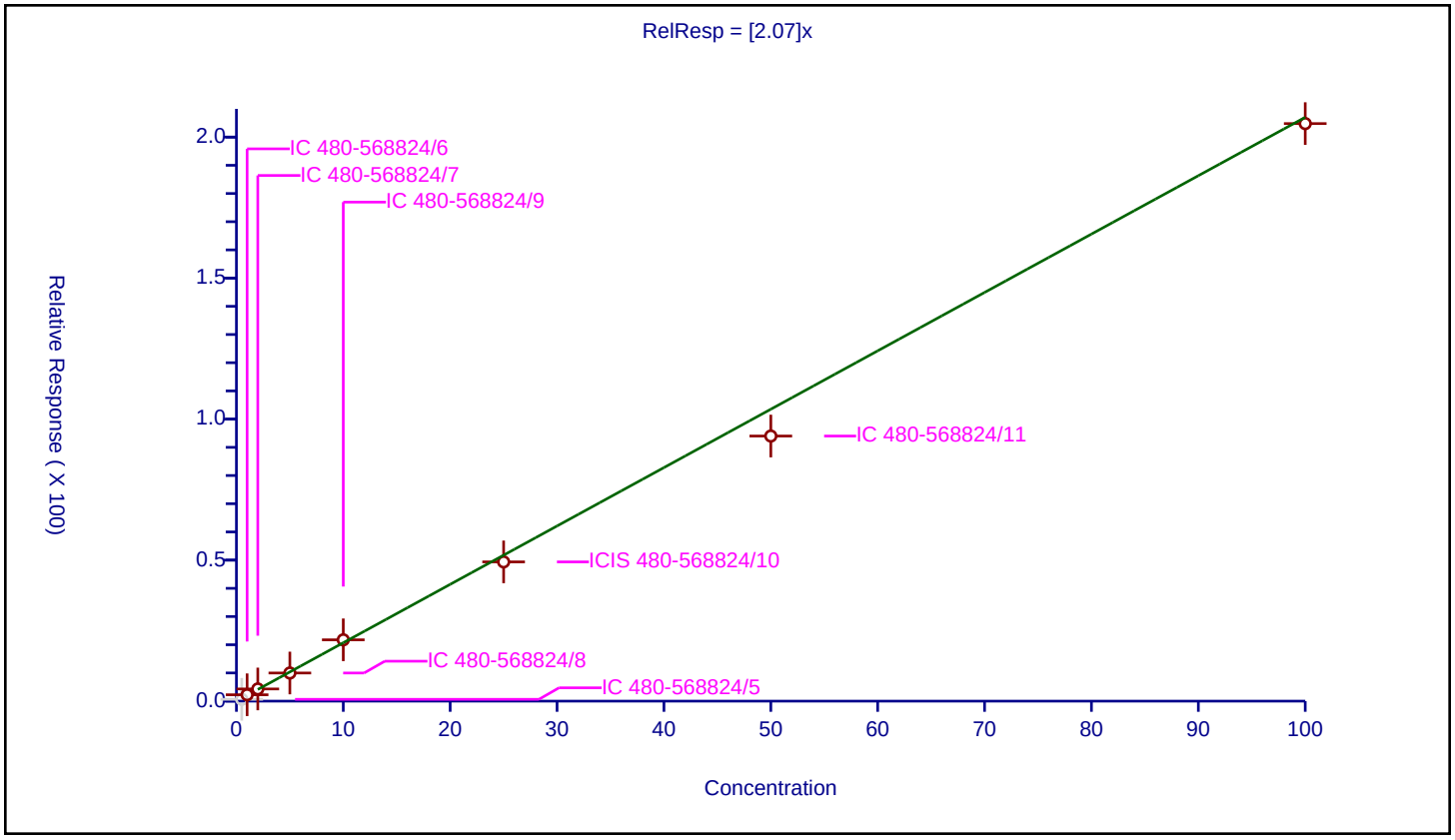
Curve Coefficients

Intercept:	0
Slope:	2.07

Error Coefficients

Standard Error:	842000
Relative Standard Error:	6.4
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.650834	25.0	205275.0	1.301668	N
2	IC 480-568824/6	1.0	2.257313	25.0	190647.0	2.257313	Y
3	IC 480-568824/7	2.0	4.322927	25.0	199587.0	2.161463	Y
4	IC 480-568824/8	5.0	9.97595	25.0	206444.0	1.99519	Y
5	IC 480-568824/9	10.0	21.741086	25.0	201179.0	2.174109	Y
6	ICIS 480-568824/10	25.0	49.37661	25.0	208858.0	1.975064	Y
7	IC 480-568824/11	50.0	93.999026	25.0	211424.0	1.879981	Y
8	IC 480-568824/12	100.0	204.78383	25.0	225609.0	2.047838	Y



Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

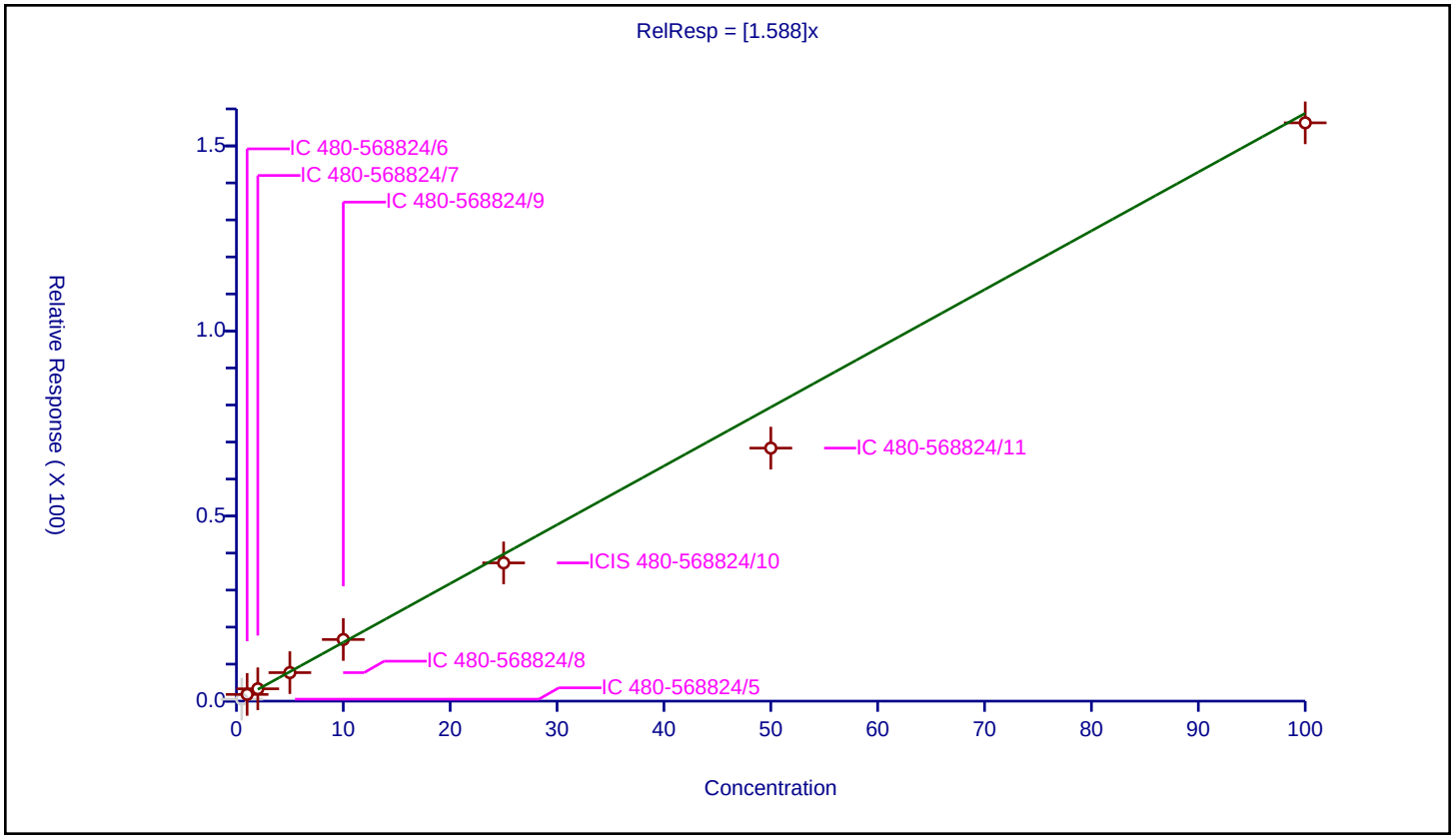
Curve Coefficients

Intercept:	0
Slope:	1.588

Error Coefficients

Standard Error:	638000
Relative Standard Error:	9.1
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.526489	25.0	205275.0	1.052978	N
2	IC 480-568824/6	1.0	1.819462	25.0	190647.0	1.819462	Y
3	IC 480-568824/7	2.0	3.335388	25.0	199587.0	1.667694	Y
4	IC 480-568824/8	5.0	7.705601	25.0	206444.0	1.54112	Y
5	IC 480-568824/9	10.0	16.657057	25.0	201179.0	1.665706	Y
6	ICIS 480-568824/10	25.0	37.345709	25.0	208858.0	1.493828	Y
7	IC 480-568824/11	50.0	68.358252	25.0	211424.0	1.367165	Y
8	IC 480-568824/12	100.0	156.234348	25.0	225609.0	1.562343	Y



Calibration / Butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

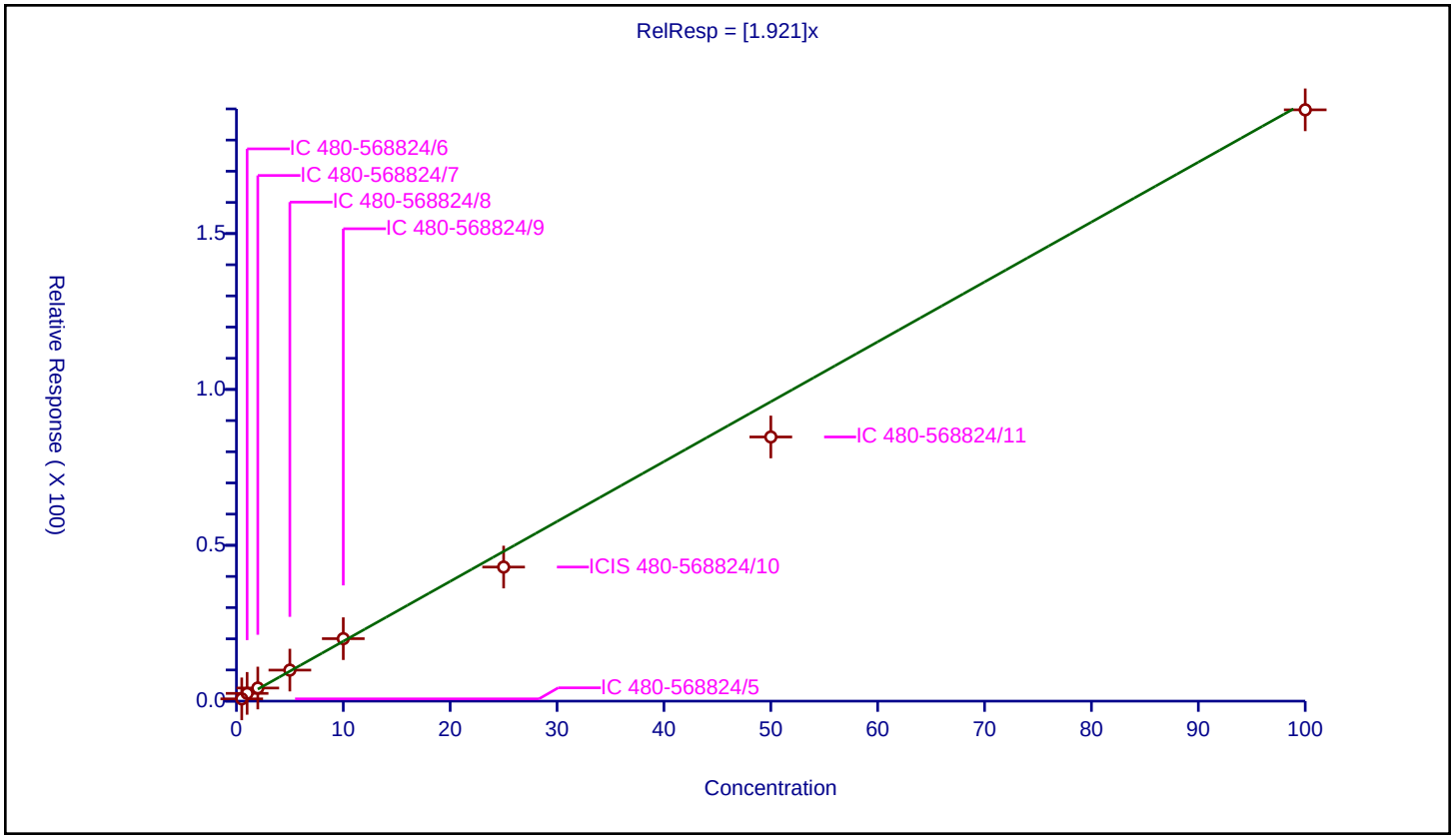
Curve Coefficients

Intercept:	0
Slope:	1.921

Error Coefficients

Standard Error:	718000
Relative Standard Error:	16.0
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.968

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.734746	25.0	205275.0	1.469492	Y
2	IC 480-568824/6	1.0	2.487975	25.0	190647.0	2.487975	Y
3	IC 480-568824/7	2.0	4.208941	25.0	199587.0	2.104471	Y
4	IC 480-568824/8	5.0	9.955605	25.0	206444.0	1.991121	Y
5	IC 480-568824/9	10.0	20.037752	25.0	201179.0	2.003775	Y
6	ICIS 480-568824/10	25.0	43.018462	25.0	208858.0	1.720738	Y
7	IC 480-568824/11	50.0	84.748657	25.0	211424.0	1.694973	Y
8	IC 480-568824/12	100.0	189.701098	25.0	225609.0	1.897011	Y



Calibration / Bromomethane

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

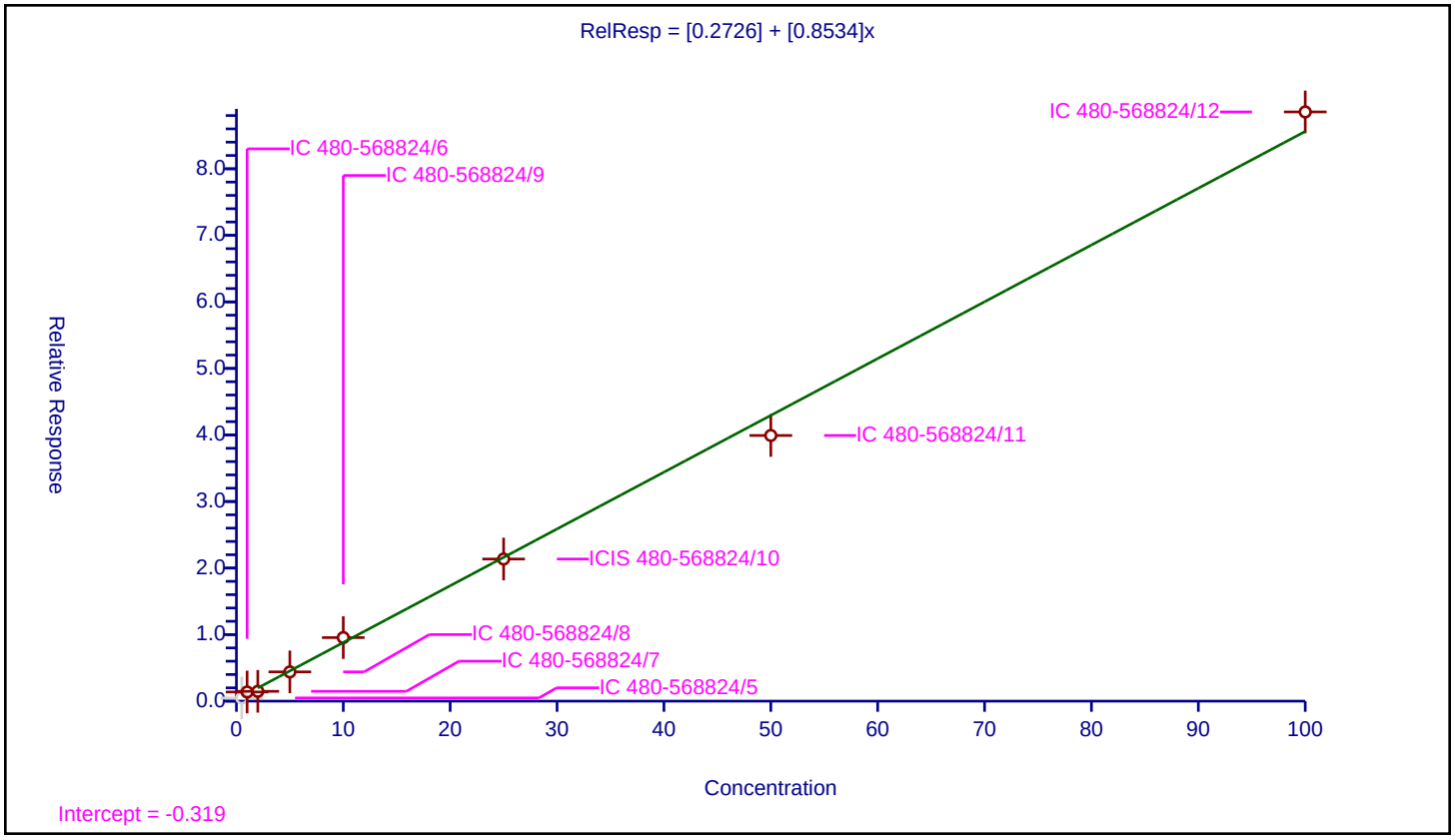
Curve Coefficients

Intercept:	0.2726
Slope:	0.8534

Error Coefficients

Standard Error:	398000
Relative Standard Error:	19.4
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.477774	25.0	205275.0	0.955547	N
2	IC 480-568824/6	1.0	1.374661	25.0	190647.0	1.374661	Y
3	IC 480-568824/7	2.0	1.473793	25.0	199587.0	0.736897	Y
4	IC 480-568824/8	5.0	4.39635	25.0	206444.0	0.87927	Y
5	IC 480-568824/9	10.0	9.545976	25.0	201179.0	0.954598	Y
6	ICIS 480-568824/10	25.0	21.35482	25.0	208858.0	0.854193	Y
7	IC 480-568824/11	50.0	39.921674	25.0	211424.0	0.798433	Y
8	IC 480-568824/12	100.0	88.543121	25.0	225609.0	0.885431	Y



Calibration / Chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

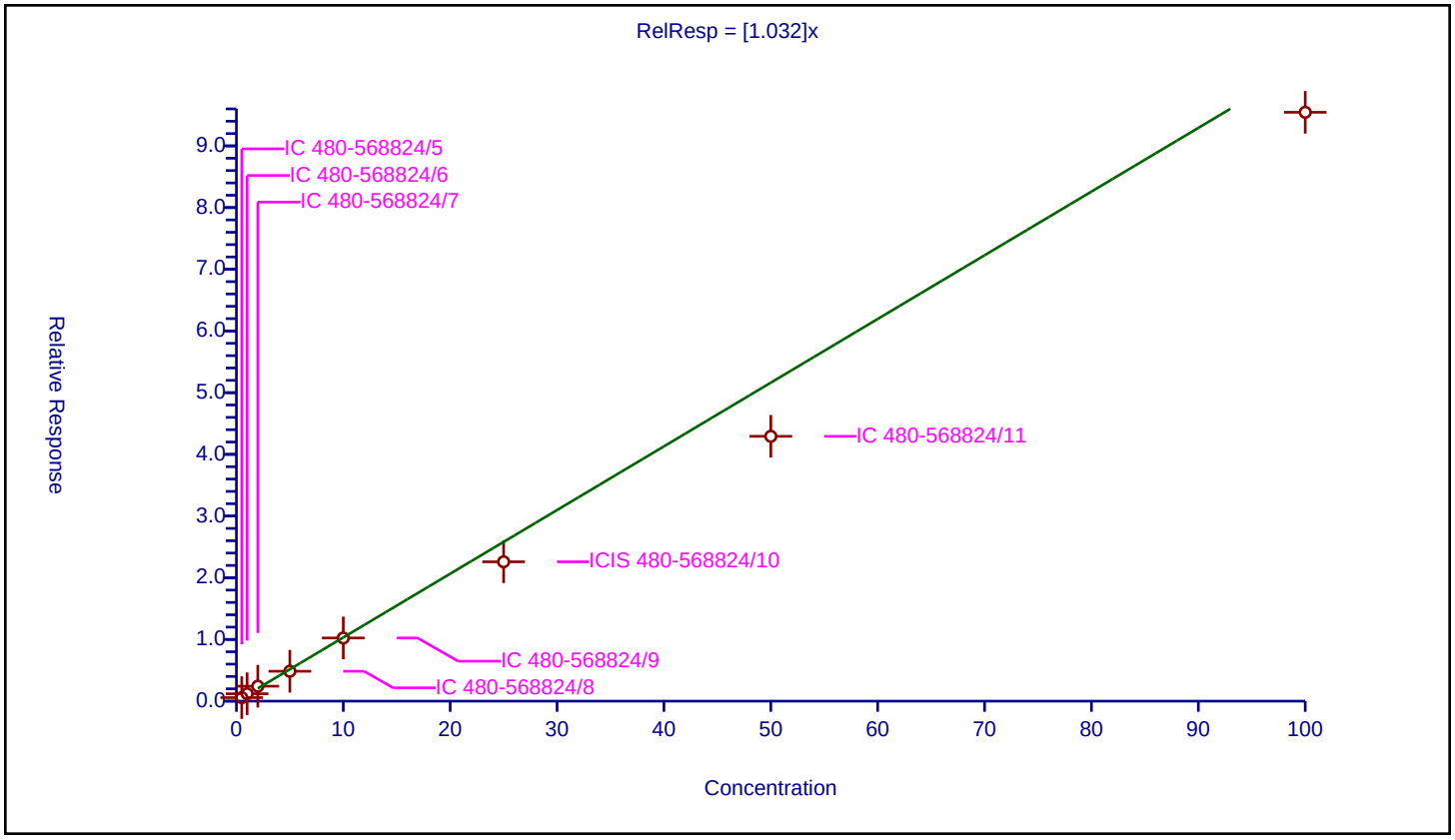
Curve Coefficients

Intercept:	0
Slope:	1.032

Error Coefficients

Standard Error:	362000
Relative Standard Error:	13.1
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.974

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.571185	25.0	205275.0	1.14237	Y
2	IC 480-568824/6	1.0	1.197763	25.0	190647.0	1.197763	Y
3	IC 480-568824/7	2.0	2.420624	25.0	199587.0	1.210312	Y
4	IC 480-568824/8	5.0	4.844292	25.0	206444.0	0.968858	Y
5	IC 480-568824/9	10.0	10.237276	25.0	201179.0	1.023728	Y
6	ICIS 480-568824/10	25.0	22.584124	25.0	208858.0	0.903365	Y
7	IC 480-568824/11	50.0	42.927127	25.0	211424.0	0.858543	Y
8	IC 480-568824/12	100.0	95.446879	25.0	225609.0	0.954469	Y



Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

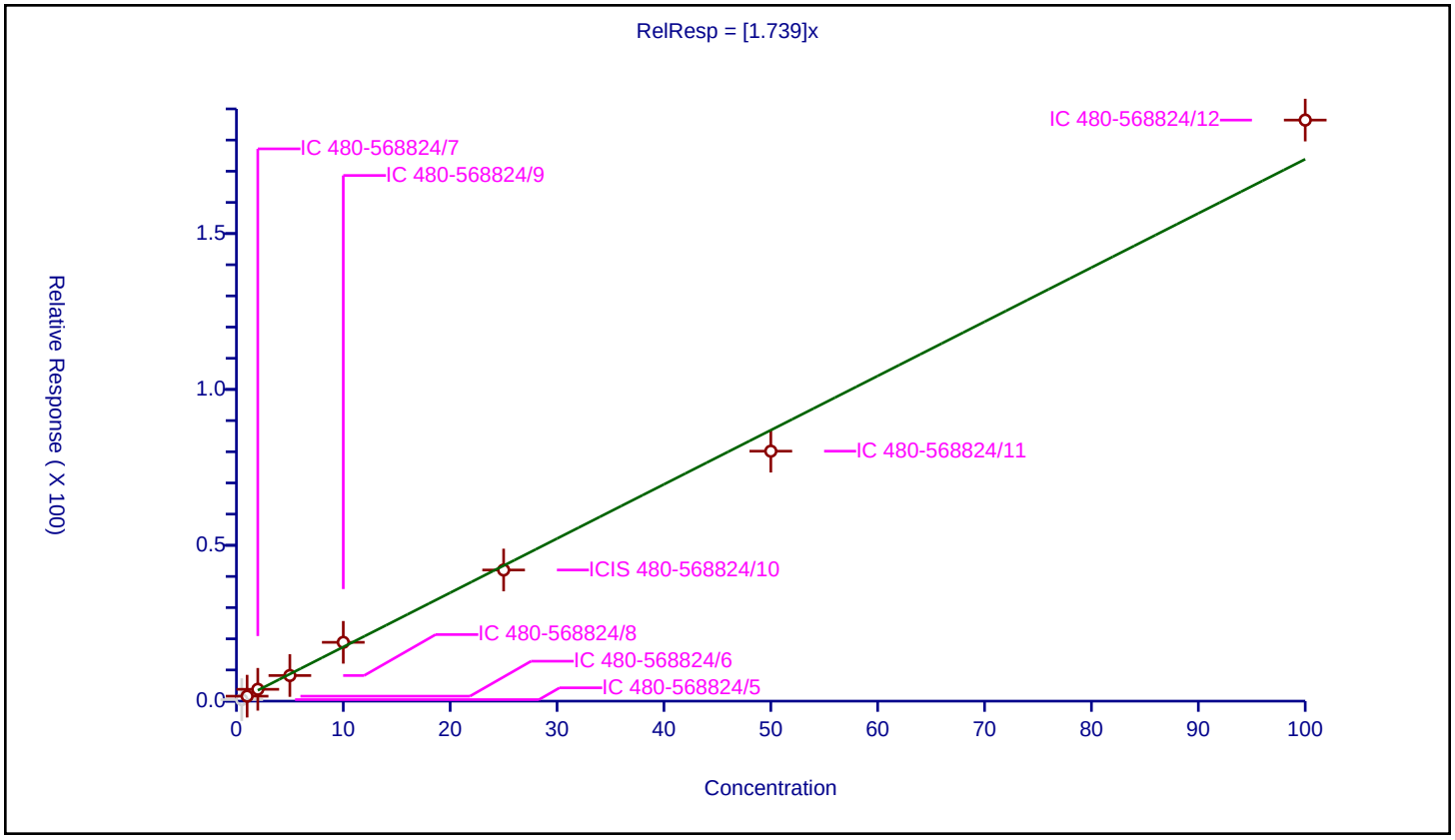
Curve Coefficients

Intercept:	0
Slope:	1.739

Error Coefficients

Standard Error:	757000
Relative Standard Error:	8.0
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.491658	25.0	205275.0	0.983315	N
2	IC 480-568824/6	1.0	1.590243	25.0	190647.0	1.590243	Y
3	IC 480-568824/7	2.0	3.800348	25.0	199587.0	1.900174	Y
4	IC 480-568824/8	5.0	8.214455	25.0	206444.0	1.642891	Y
5	IC 480-568824/9	10.0	18.868644	25.0	201179.0	1.886864	Y
6	ICIS 480-568824/10	25.0	42.071647	25.0	208858.0	1.682866	Y
7	IC 480-568824/11	50.0	80.190281	25.0	211424.0	1.603806	Y
8	IC 480-568824/12	100.0	186.414881	25.0	225609.0	1.864149	Y



Calibration / Dichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

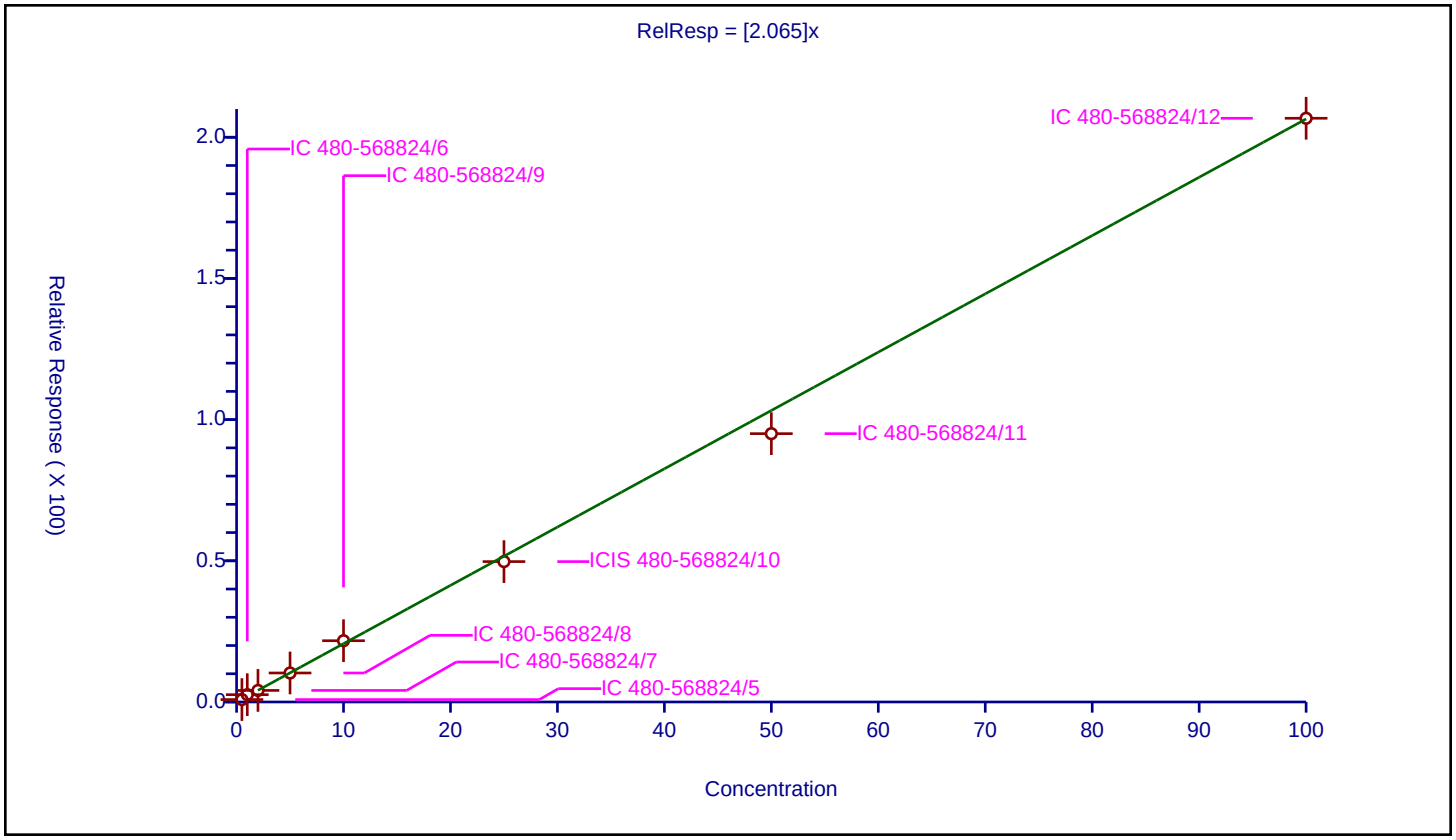
Curve Coefficients

Intercept:	0
Slope:	2.065

Error Coefficients

Standard Error:	787000
Relative Standard Error:	12.3
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.852393	25.0	205275.0	1.704786	Y
2	IC 480-568824/6	1.0	2.588423	25.0	190647.0	2.588423	Y
3	IC 480-568824/7	2.0	4.089194	25.0	199587.0	2.044597	Y
4	IC 480-568824/8	5.0	10.272277	25.0	206444.0	2.054455	Y
5	IC 480-568824/9	10.0	21.694362	25.0	201179.0	2.169436	Y
6	ICIS 480-568824/10	25.0	49.716793	25.0	208858.0	1.988672	Y
7	IC 480-568824/11	50.0	95.028828	25.0	211424.0	1.900577	Y
8	IC 480-568824/12	100.0	206.72369	25.0	225609.0	2.067237	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

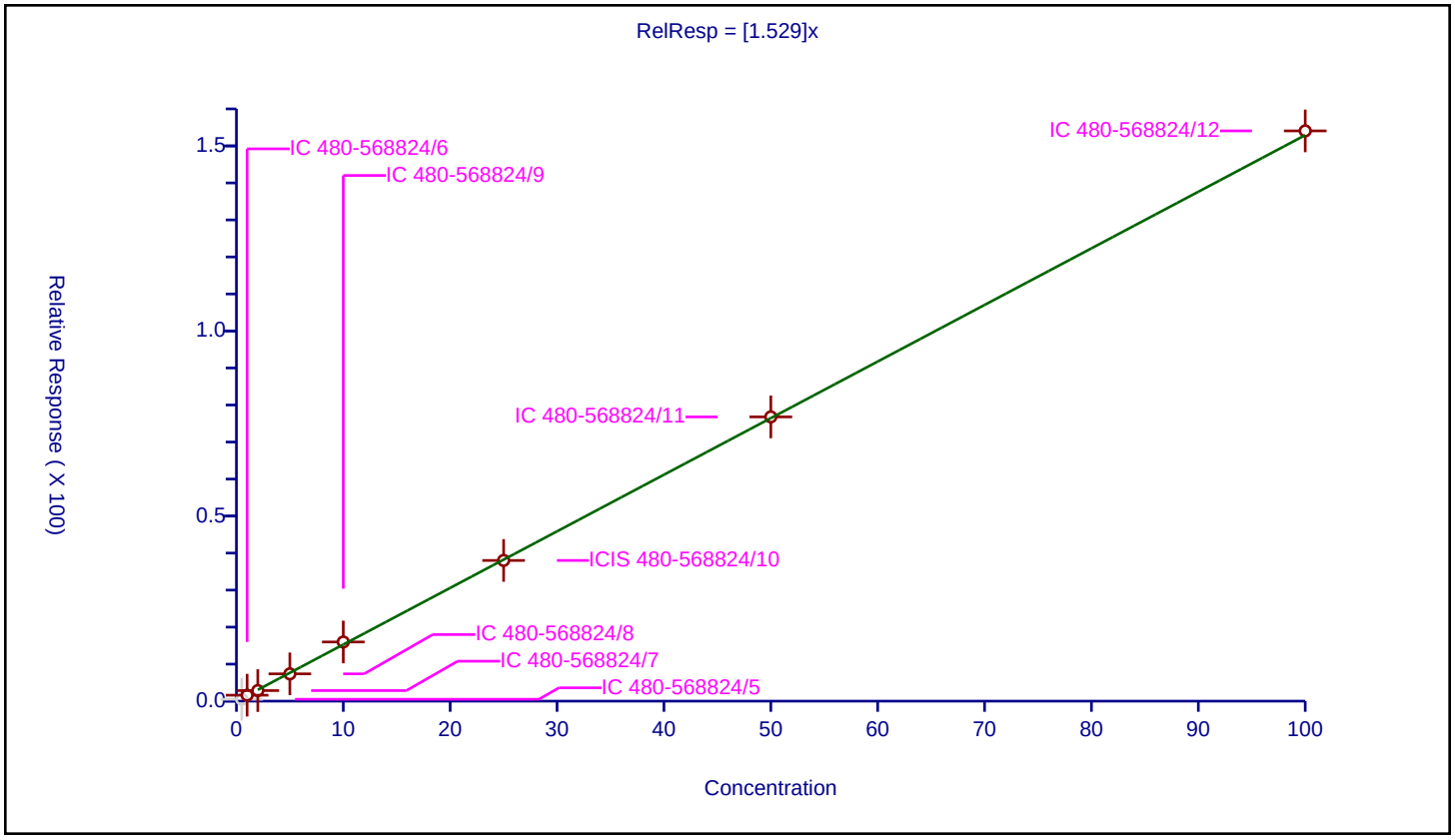
Curve Coefficients

Intercept:	0
Slope:	1.529

Error Coefficients

Standard Error:	642000
Relative Standard Error:	4.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.507977	25.0	205275.0	1.015954	N
2	IC 480-568824/6	1.0	1.60847	25.0	190647.0	1.60847	Y
3	IC 480-568824/7	2.0	2.85239	25.0	199587.0	1.426195	Y
4	IC 480-568824/8	5.0	7.368221	25.0	206444.0	1.473644	Y
5	IC 480-568824/9	10.0	15.9839	25.0	201179.0	1.59839	Y
6	ICIS 480-568824/10	25.0	38.011592	25.0	208858.0	1.520464	Y
7	IC 480-568824/11	50.0	76.792725	25.0	211424.0	1.535854	Y
8	IC 480-568824/12	100.0	154.058349	25.0	225609.0	1.540583	Y



Calibration / Acrolein

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

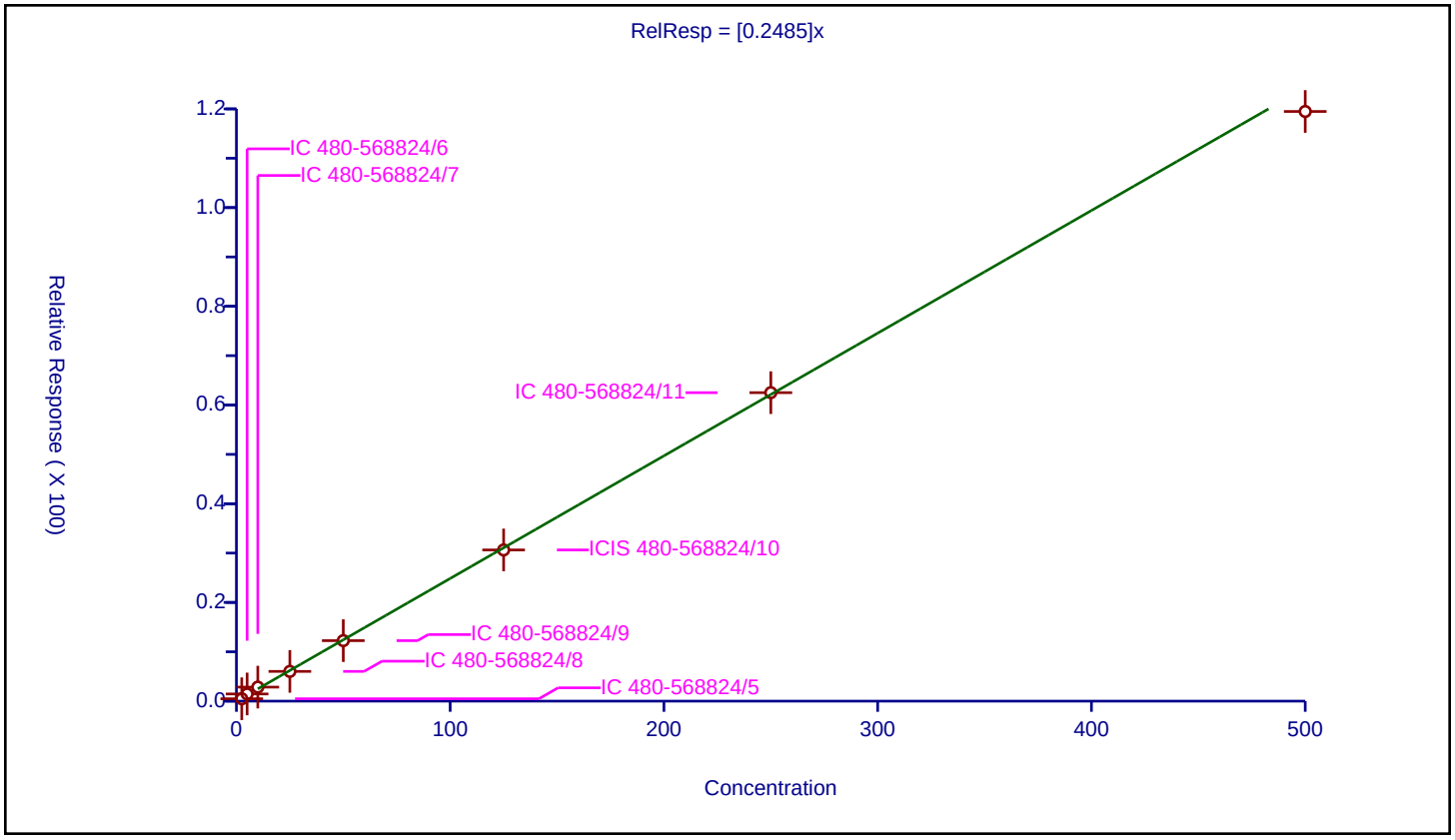
Curve Coefficients

Intercept:	0
Slope:	0.2485

Error Coefficients

Standard Error:	466000
Relative Standard Error:	12.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	2.5	0.481062	25.0	205275.0	0.192425	Y
2	IC 480-568824/6	5.0	1.456881	25.0	190647.0	0.291376	Y
3	IC 480-568824/7	10.0	2.841743	25.0	199587.0	0.284174	Y
4	IC 480-568824/8	25.0	6.026937	25.0	206444.0	0.241077	Y
5	IC 480-568824/9	50.0	12.25861	25.0	201179.0	0.245172	Y
6	ICIS 480-568824/10	125.0	30.630859	25.0	208858.0	0.245047	Y
7	IC 480-568824/11	250.0	62.504493	25.0	211424.0	0.250018	Y
8	IC 480-568824/12	500.0	119.474733	25.0	225609.0	0.238949	Y



Calibration / 1,1,2-Trichloro-1,2,2-trifluoroethane

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

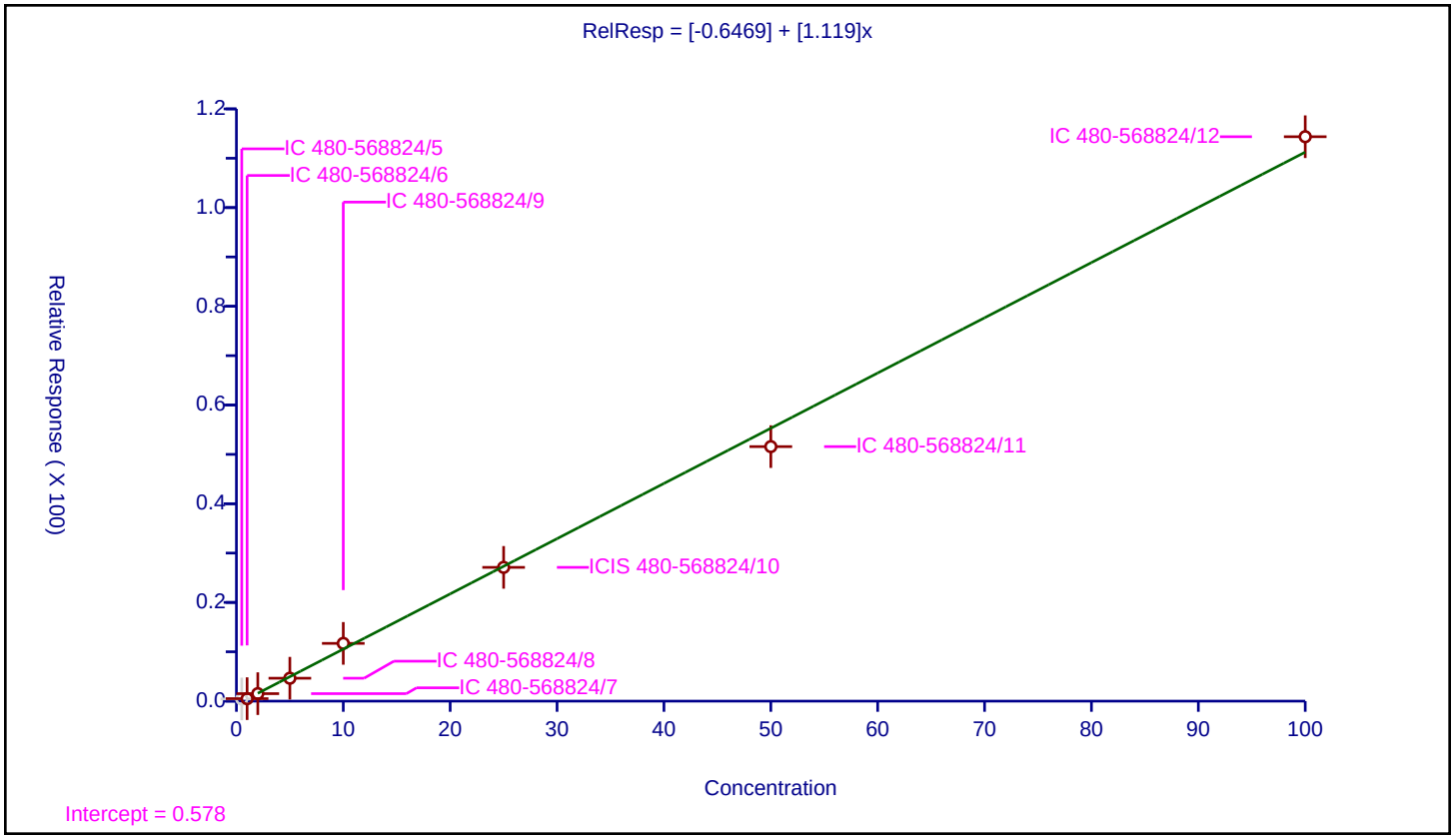
Curve Coefficients

Intercept:	-0.6469
Slope:	1.119

Error Coefficients

Standard Error:	513000
Relative Standard Error:	6.5
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.446961	25.0	205275.0	0.893923	N
2	IC 480-568824/6	1.0	0.503548	25.0	190647.0	0.503548	Y
3	IC 480-568824/7	2.0	1.520515	25.0	199587.0	0.760257	Y
4	IC 480-568824/8	5.0	4.642542	25.0	206444.0	0.928508	Y
5	IC 480-568824/9	10.0	11.704999	25.0	201179.0	1.1705	Y
6	ICIS 480-568824/10	25.0	27.106216	25.0	208858.0	1.084249	Y
7	IC 480-568824/11	50.0	51.569358	25.0	211424.0	1.031387	Y
8	IC 480-568824/12	100.0	114.358248	25.0	225609.0	1.143582	Y



Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

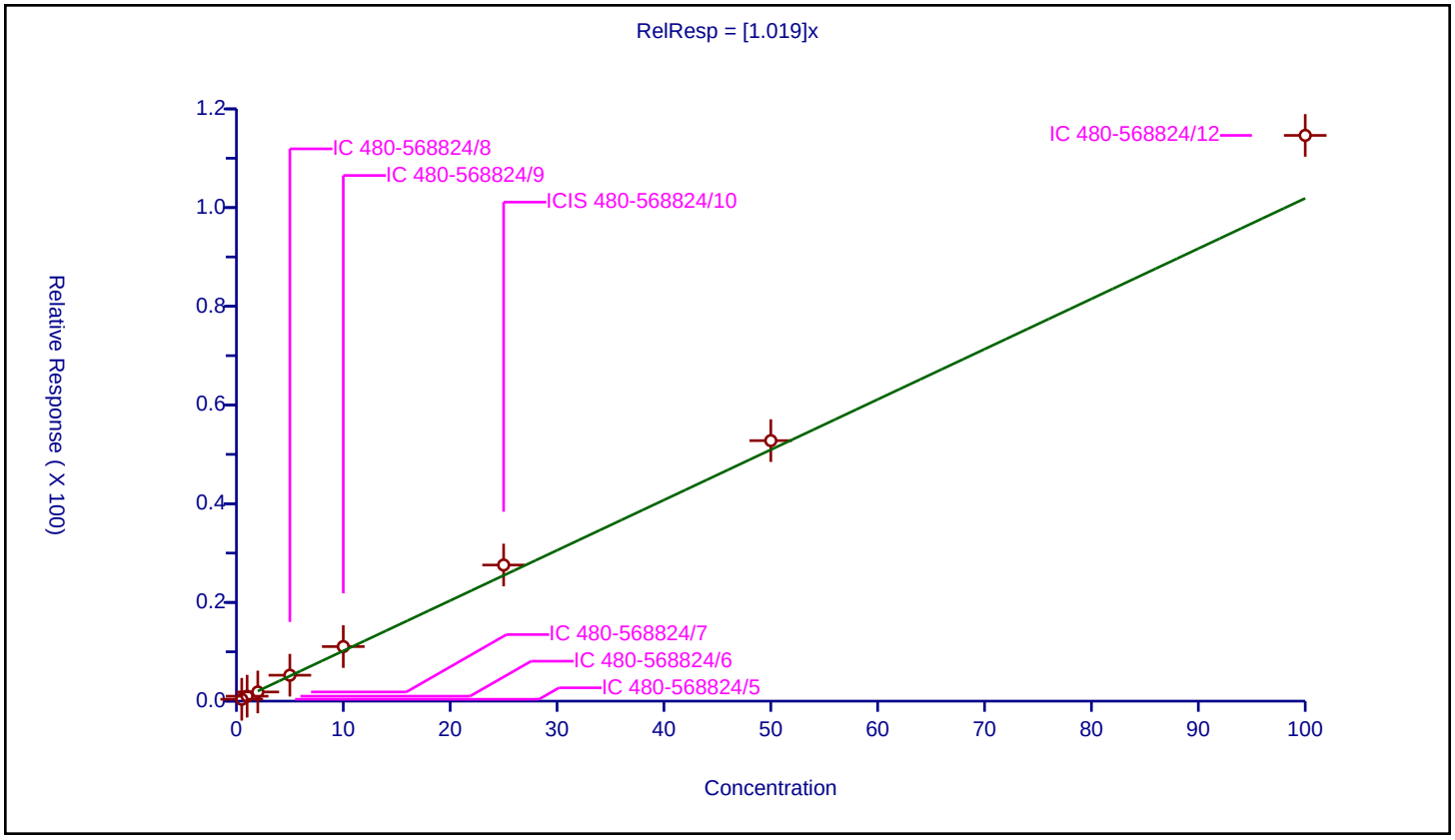
Curve Coefficients

Intercept:	0
Slope:	1.019

Error Coefficients

Standard Error:	436000
Relative Standard Error:	12.3
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.379247	25.0	205275.0	0.758495	Y
2	IC 480-568824/6	1.0	1.000409	25.0	190647.0	1.000409	Y
3	IC 480-568824/7	2.0	1.861093	25.0	199587.0	0.930547	Y
4	IC 480-568824/8	5.0	5.252998	25.0	206444.0	1.0506	Y
5	IC 480-568824/9	10.0	11.053092	25.0	201179.0	1.105309	Y
6	ICIS 480-568824/10	25.0	27.581539	25.0	208858.0	1.103262	Y
7	IC 480-568824/11	50.0	52.783624	25.0	211424.0	1.055672	Y
8	IC 480-568824/12	100.0	114.632949	25.0	225609.0	1.146329	Y



Calibration / Acetone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

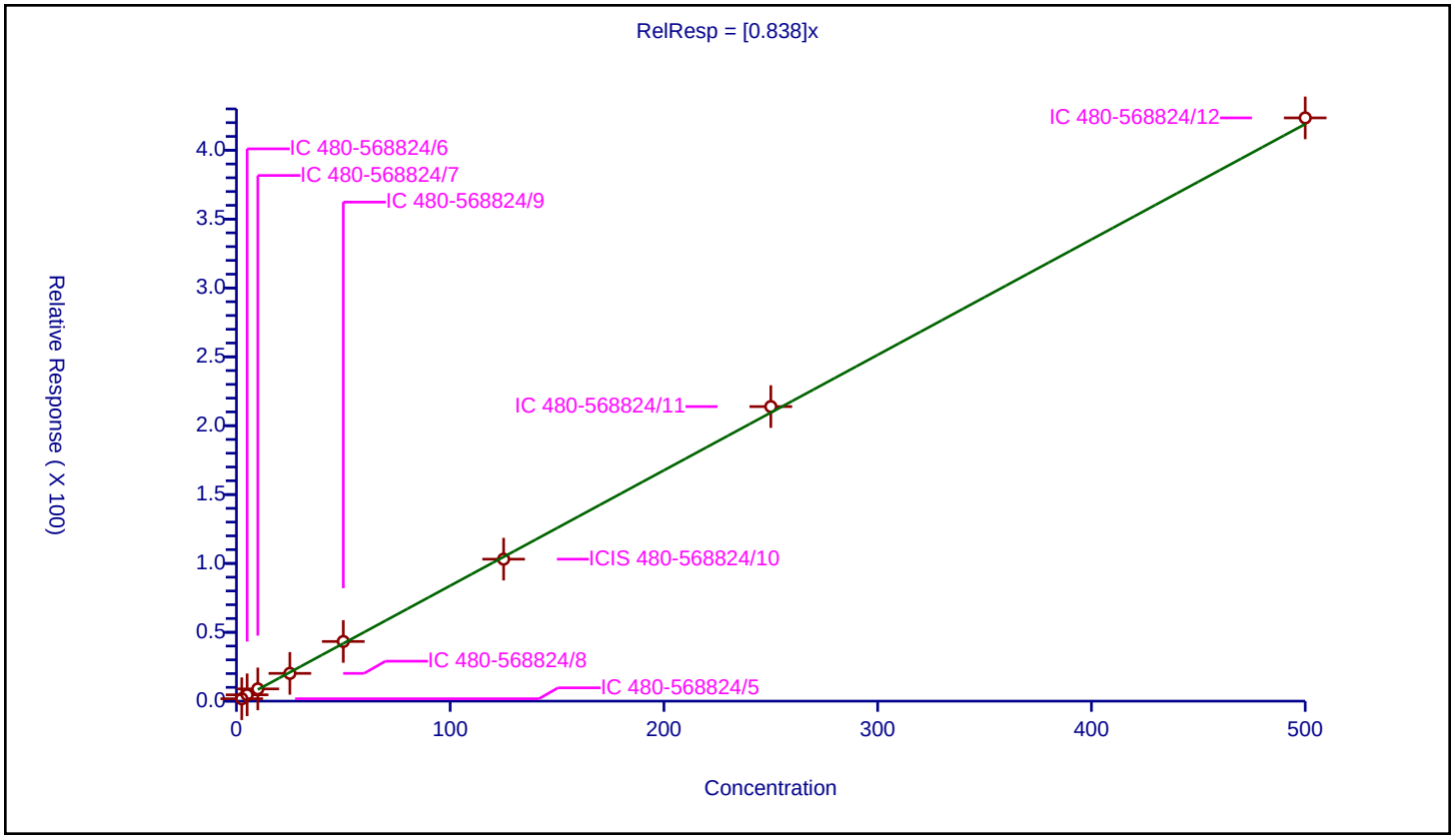
Curve Coefficients

Intercept:	0
Slope:	0.838

Error Coefficients

Standard Error:	1640000
Relative Standard Error:	7.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	2.5	1.74522	25.0	205275.0	0.698088	Y
2	IC 480-568824/6	5.0	4.587143	25.0	190647.0	0.917429	Y
3	IC 480-568824/7	10.0	8.879962	25.0	199587.0	0.887996	Y
4	IC 480-568824/8	25.0	20.16806	25.0	206444.0	0.806722	Y
5	IC 480-568824/9	50.0	43.316151	25.0	201179.0	0.866323	Y
6	ICIS 480-568824/10	125.0	103.087864	25.0	208858.0	0.824703	Y
7	IC 480-568824/11	250.0	213.869759	25.0	211424.0	0.855479	Y
8	IC 480-568824/12	500.0	423.4564	25.0	225609.0	0.846913	Y



Calibration / Iodomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

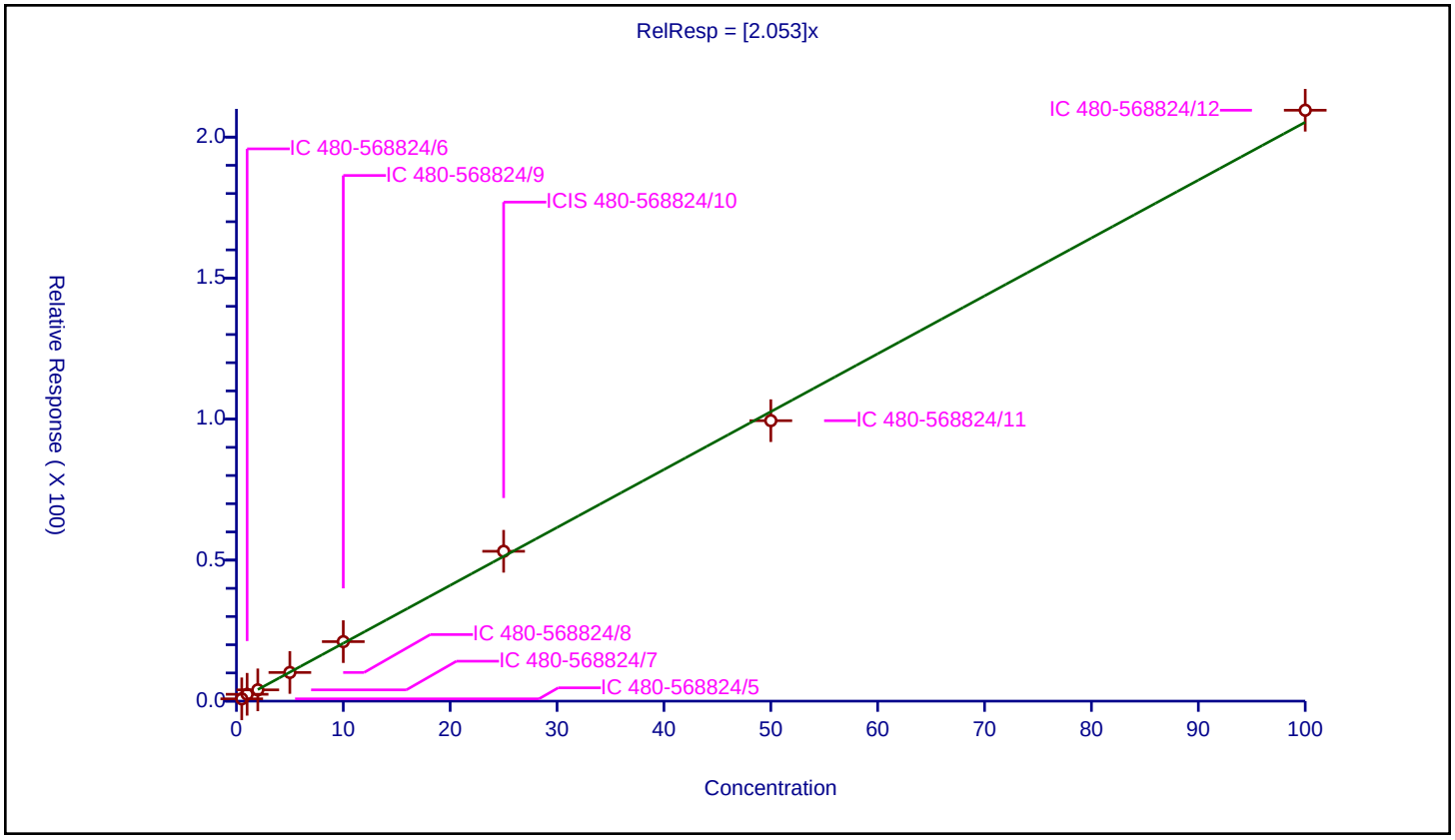
Curve Coefficients

Intercept:	0
Slope:	2.053

Error Coefficients

Standard Error:	803000
Relative Standard Error:	10.8
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.8161	25.0	205275.0	1.632201	Y
2	IC 480-568824/6	1.0	2.435653	25.0	190647.0	2.435653	Y
3	IC 480-568824/7	2.0	4.002891	25.0	199587.0	2.001445	Y
4	IC 480-568824/8	5.0	10.166074	25.0	206444.0	2.033215	Y
5	IC 480-568824/9	10.0	21.101357	25.0	201179.0	2.110136	Y
6	ICIS 480-568824/10	25.0	53.132272	25.0	208858.0	2.125291	Y
7	IC 480-568824/11	50.0	99.450985	25.0	211424.0	1.98902	Y
8	IC 480-568824/12	100.0	209.526659	25.0	225609.0	2.095267	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

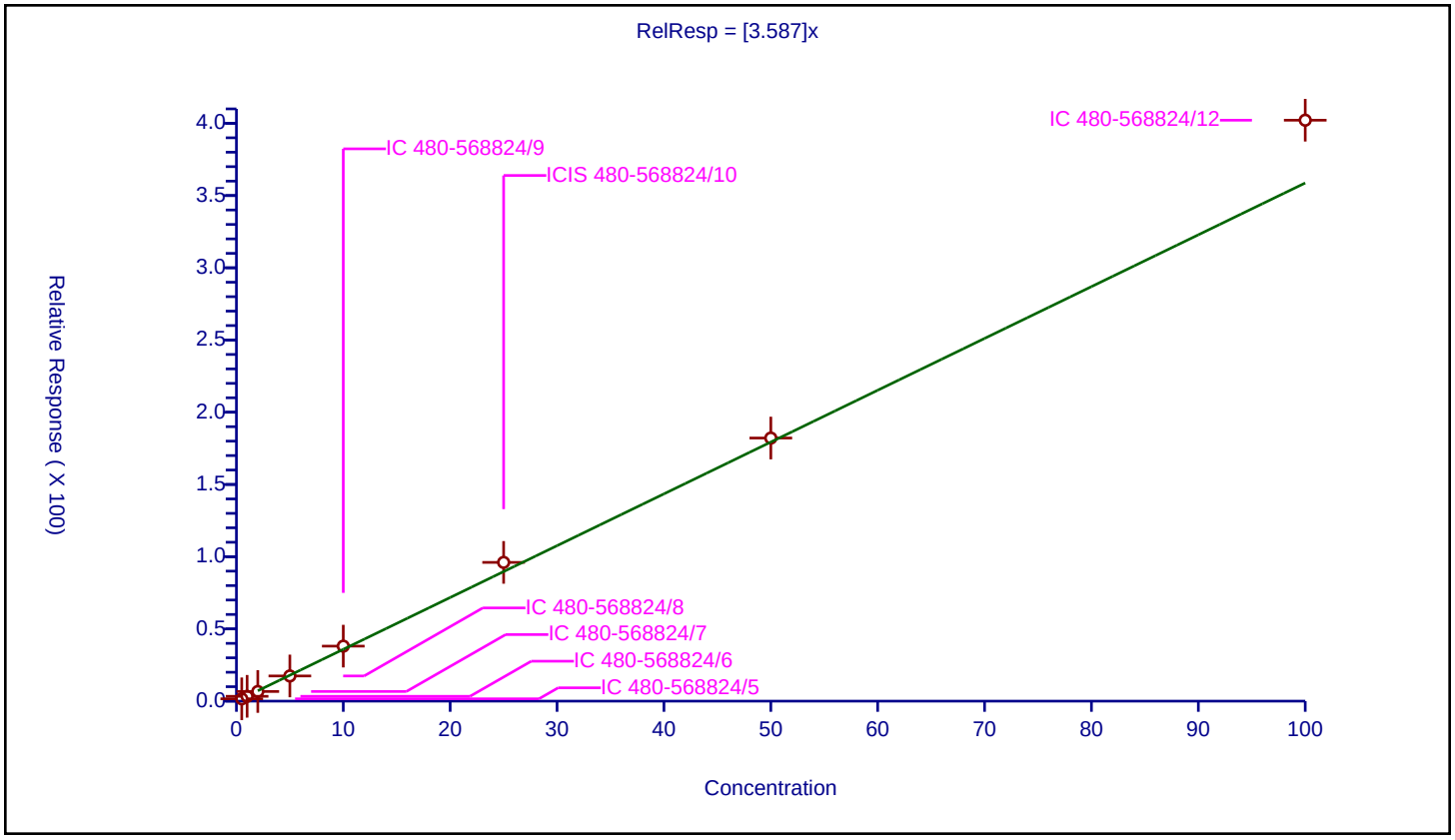
Curve Coefficients

Intercept:	0
Slope:	3.587

Error Coefficients

Standard Error:	1530000
Relative Standard Error:	8.0
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	1.604433	25.0	205275.0	3.208866	Y
2	IC 480-568824/6	1.0	3.343221	25.0	190647.0	3.343221	Y
3	IC 480-568824/7	2.0	6.684053	25.0	199587.0	3.342026	Y
4	IC 480-568824/8	5.0	17.439596	25.0	206444.0	3.487919	Y
5	IC 480-568824/9	10.0	38.074675	25.0	201179.0	3.807467	Y
6	ICIS 480-568824/10	25.0	96.058446	25.0	208858.0	3.842338	Y
7	IC 480-568824/11	50.0	182.131877	25.0	211424.0	3.642638	Y
8	IC 480-568824/12	100.0	402.16514	25.0	225609.0	4.021651	Y



Calibration / 3-Chloro-1-propene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

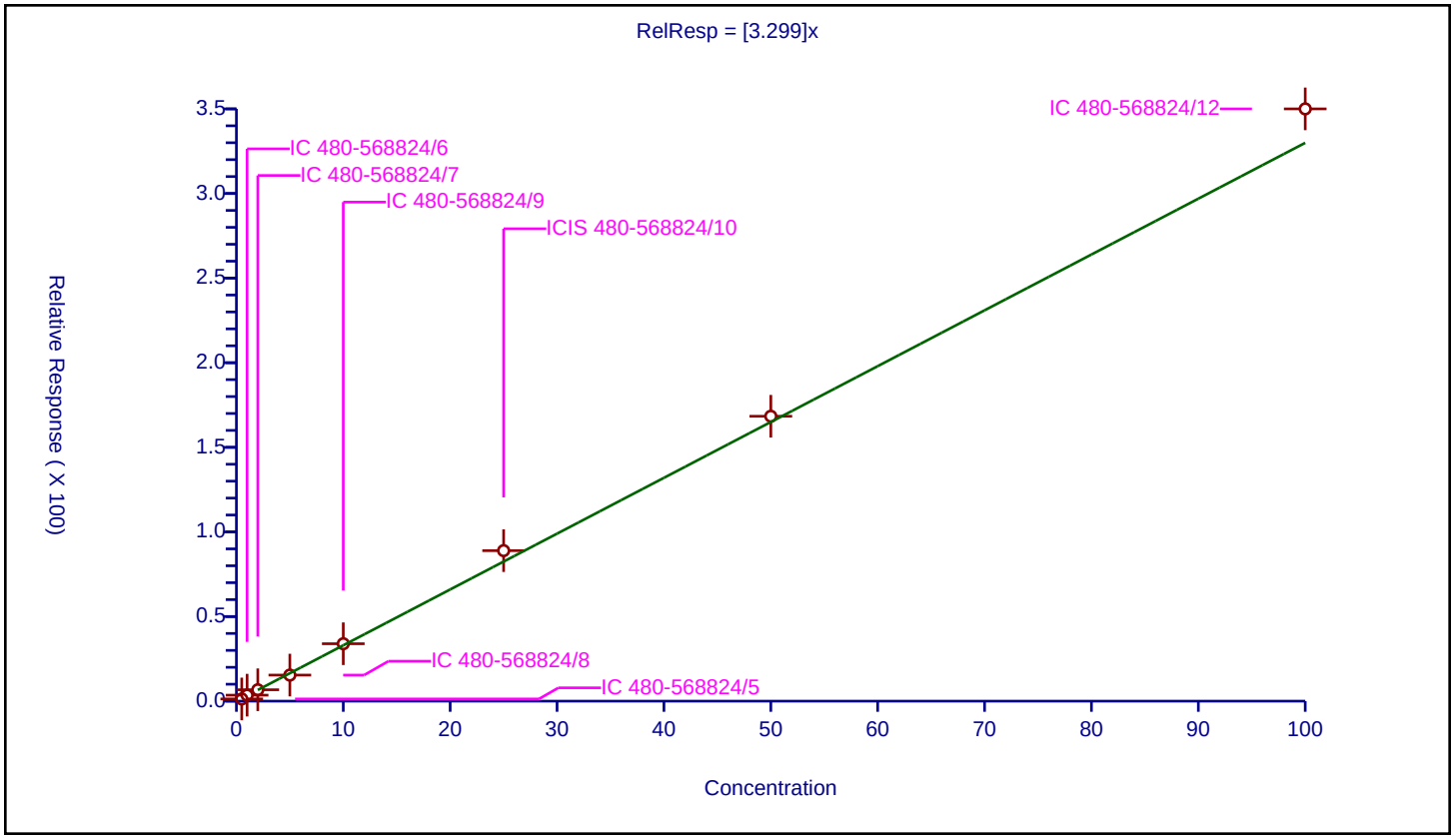
Curve Coefficients

Intercept:	0
Slope:	3.299

Error Coefficients

Standard Error:	1340000
Relative Standard Error:	9.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	1.303374	25.0	205275.0	2.606747	Y
2	IC 480-568824/6	1.0	3.530609	25.0	190647.0	3.530609	Y
3	IC 480-568824/7	2.0	6.720879	25.0	199587.0	3.360439	Y
4	IC 480-568824/8	5.0	15.395458	25.0	206444.0	3.079092	Y
5	IC 480-568824/9	10.0	33.929237	25.0	201179.0	3.392924	Y
6	ICIS 480-568824/10	25.0	88.939016	25.0	208858.0	3.557561	Y
7	IC 480-568824/11	50.0	168.359907	25.0	211424.0	3.367198	Y
8	IC 480-568824/12	100.0	349.9959	25.0	225609.0	3.499959	Y



Calibration / Methyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

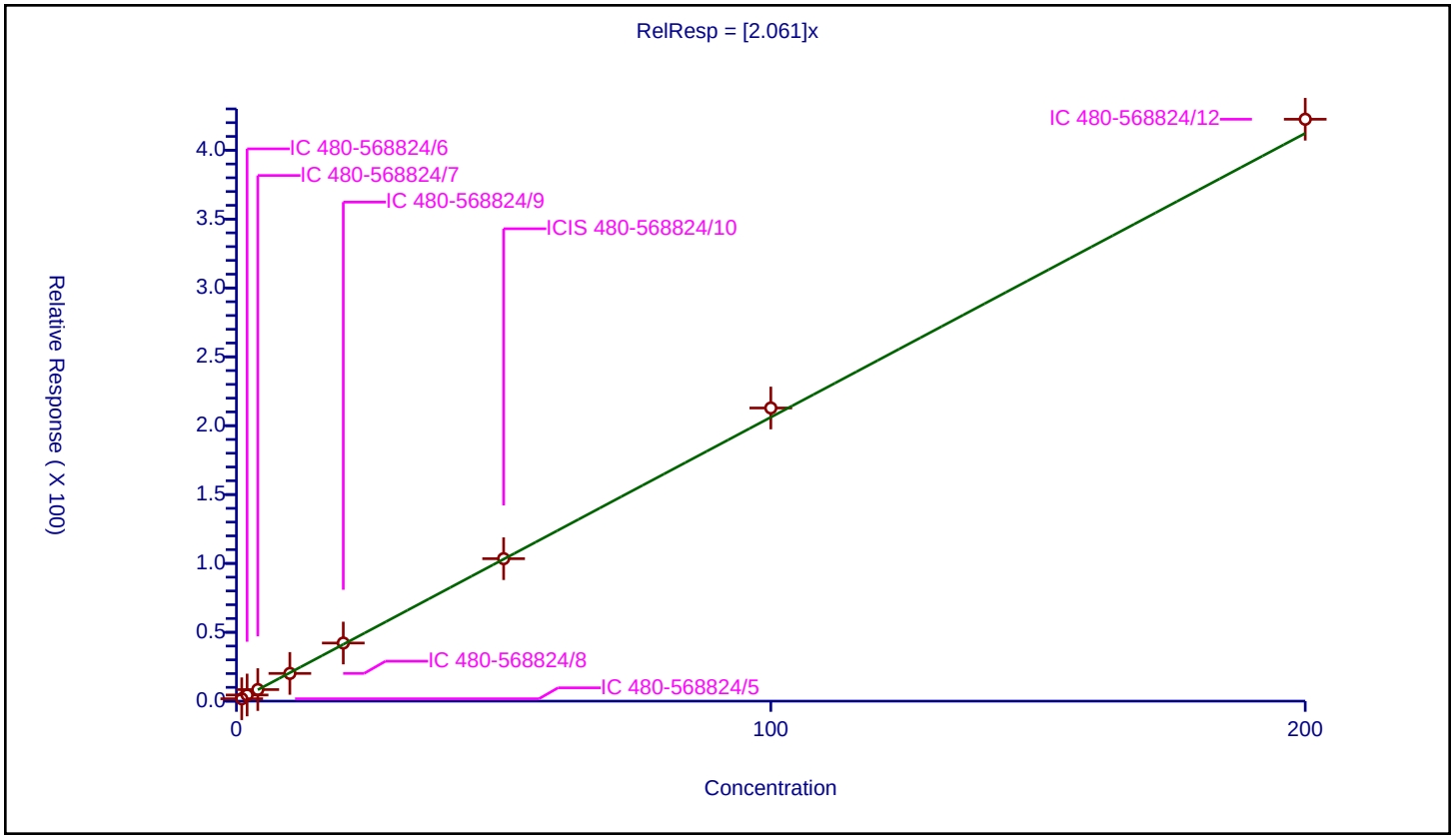
Curve Coefficients

Intercept:	0
Slope:	2.061

Error Coefficients

Standard Error:	1630000
Relative Standard Error:	7.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	1.0	1.730971	25.0	205275.0	1.730971	Y
2	IC 480-568824/6	2.0	4.455748	25.0	190647.0	2.227874	Y
3	IC 480-568824/7	4.0	8.400973	25.0	199587.0	2.100243	Y
4	IC 480-568824/8	10.0	20.129551	25.0	206444.0	2.012955	Y
5	IC 480-568824/9	20.0	42.185815	25.0	201179.0	2.109291	Y
6	ICIS 480-568824/10	50.0	103.428286	25.0	208858.0	2.068566	Y
7	IC 480-568824/11	100.0	212.841139	25.0	211424.0	2.128411	Y
8	IC 480-568824/12	200.0	422.477051	25.0	225609.0	2.112385	Y



Calibration / Methylene Chloride

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

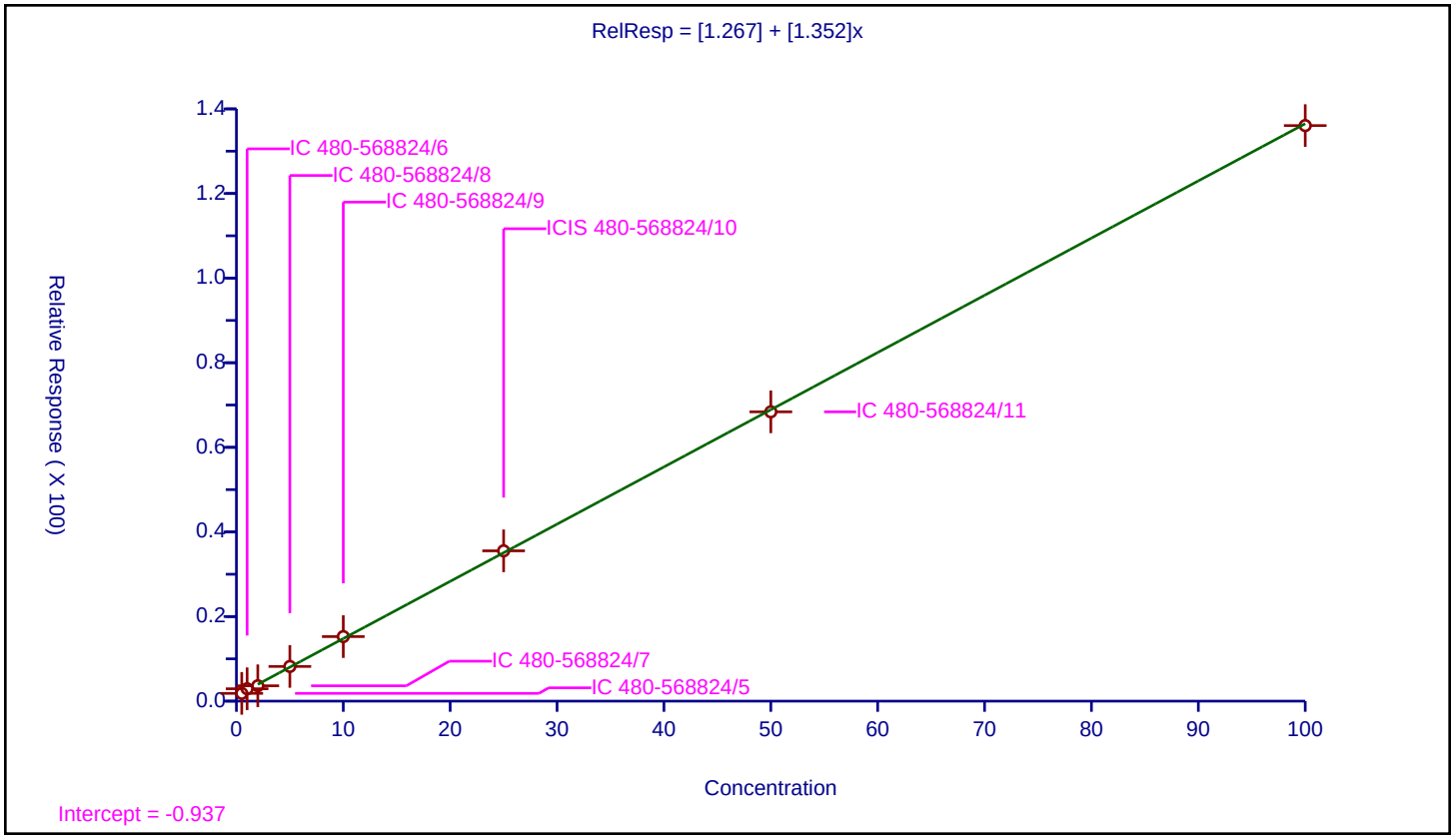
Curve Coefficients

Intercept:	1.267
Slope:	1.352

Error Coefficients

Standard Error:	570000
Relative Standard Error:	12.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	1.835099	25.0	205275.0	3.670199	Y
2	IC 480-568824/6	1.0	2.921499	25.0	190647.0	2.921499	Y
3	IC 480-568824/7	2.0	3.627867	25.0	199587.0	1.813933	Y
4	IC 480-568824/8	5.0	8.20283	25.0	206444.0	1.640566	Y
5	IC 480-568824/9	10.0	15.26116	25.0	201179.0	1.526116	Y
6	ICIS 480-568824/10	25.0	35.528445	25.0	208858.0	1.421138	Y
7	IC 480-568824/11	50.0	68.389705	25.0	211424.0	1.367794	Y
8	IC 480-568824/12	100.0	136.051753	25.0	225609.0	1.360518	Y



Calibration / 2-Methyl-2-propanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

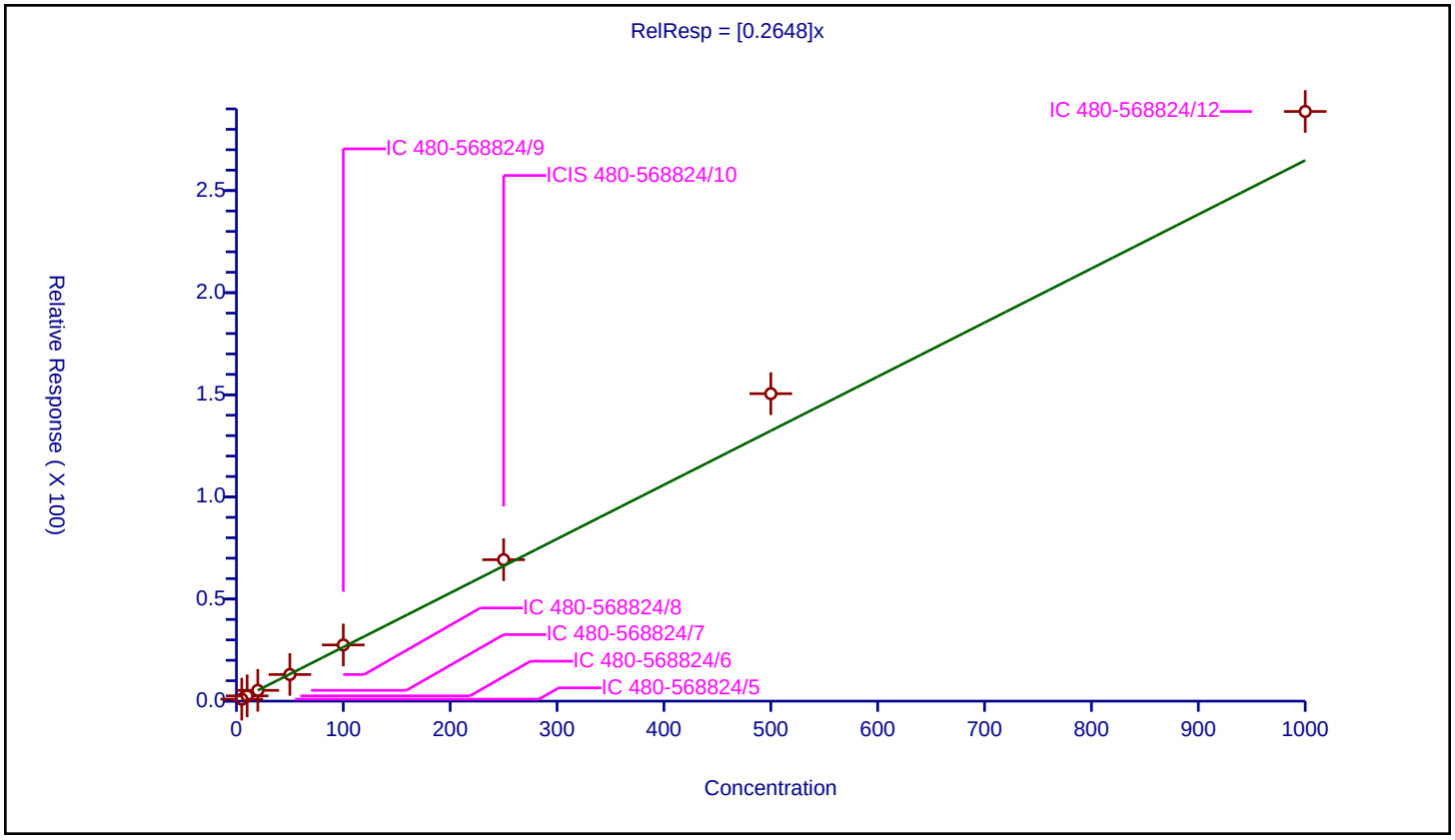
Curve Coefficients

Intercept:	0
Slope:	0.2648

Error Coefficients

Standard Error:	1120000
Relative Standard Error:	12.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	5.0	0.962855	25.0	205275.0	0.192571	Y
2	IC 480-568824/6	10.0	2.589996	25.0	190647.0	0.259	Y
3	IC 480-568824/7	20.0	5.283786	25.0	199587.0	0.264189	Y
4	IC 480-568824/8	50.0	13.032106	25.0	206444.0	0.260642	Y
5	IC 480-568824/9	100.0	27.504983	25.0	201179.0	0.27505	Y
6	ICIS 480-568824/10	250.0	69.253512	25.0	208858.0	0.277014	Y
7	IC 480-568824/11	500.0	150.557529	25.0	211424.0	0.301115	Y
8	IC 480-568824/12	1000.0	288.739589	25.0	225609.0	0.28874	Y



Calibration / Methyl tert-butyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

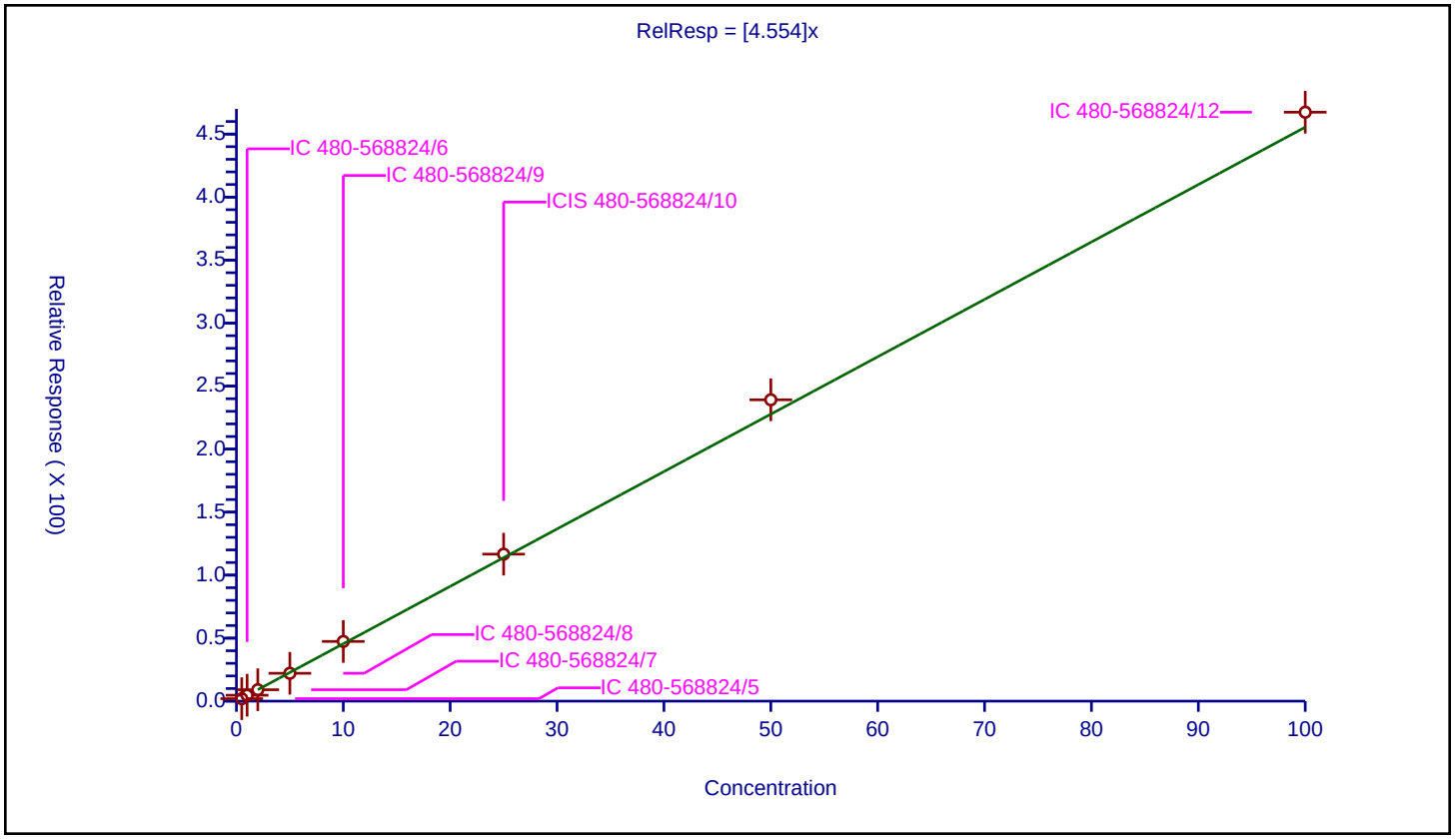
Curve Coefficients

Intercept:	0
Slope:	4.554

Error Coefficients

Standard Error:	1810000
Relative Standard Error:	6.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	1.958957	25.0	205275.0	3.917915	Y
2	IC 480-568824/6	1.0	4.712112	25.0	190647.0	4.712112	Y
3	IC 480-568824/7	2.0	9.055324	25.0	199587.0	4.527662	Y
4	IC 480-568824/8	5.0	22.090736	25.0	206444.0	4.418147	Y
5	IC 480-568824/9	10.0	47.380567	25.0	201179.0	4.738057	Y
6	ICIS 480-568824/10	25.0	116.64145	25.0	208858.0	4.665658	Y
7	IC 480-568824/11	50.0	239.139596	25.0	211424.0	4.782792	Y
8	IC 480-568824/12	100.0	467.350482	25.0	225609.0	4.673505	Y



Calibration / trans-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

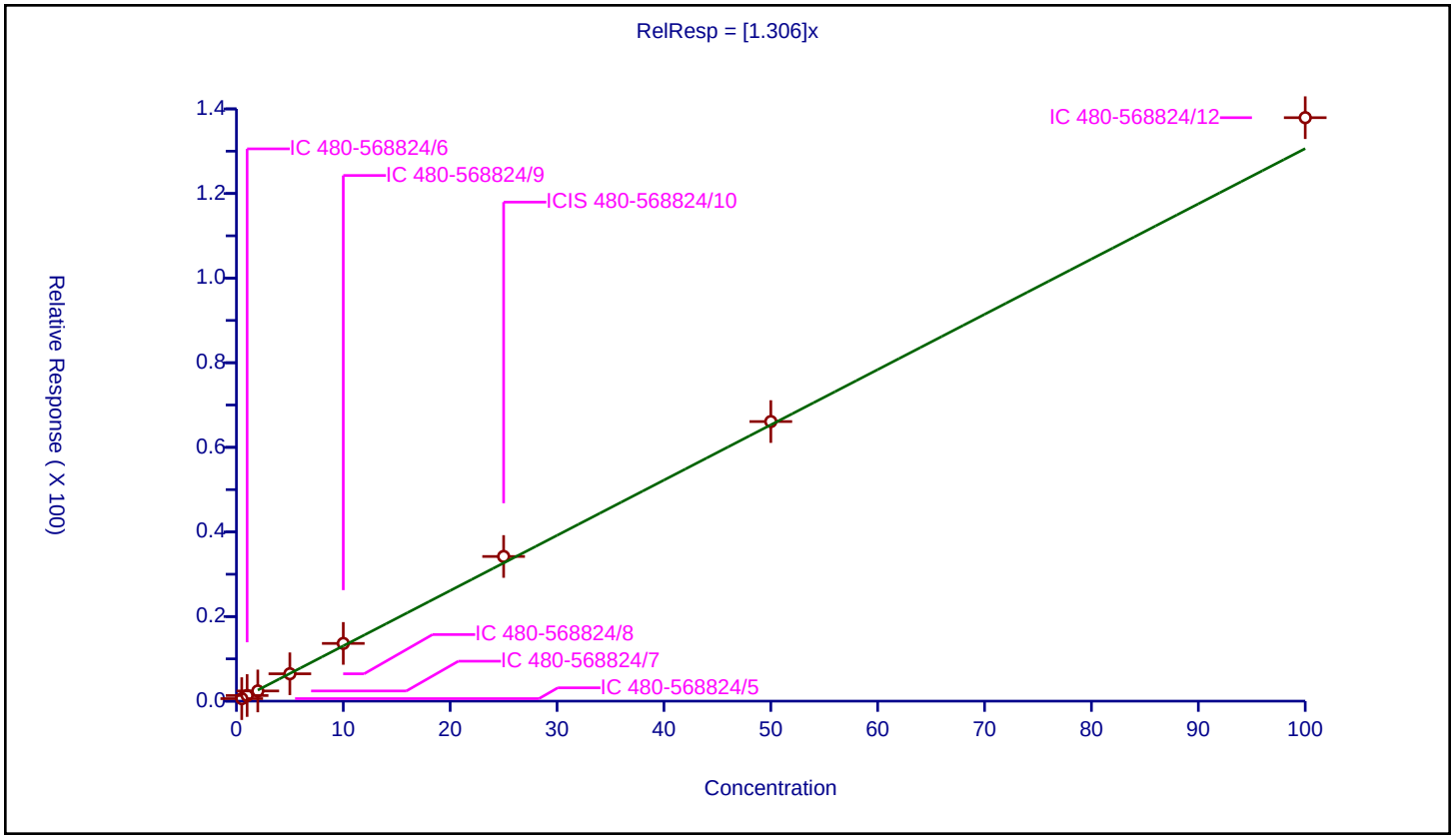
Curve Coefficients

Intercept:	0
Slope:	1.306

Error Coefficients

Standard Error:	529000
Relative Standard Error:	5.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.597735	25.0	205275.0	1.195469	Y
2	IC 480-568824/6	1.0	1.323651	25.0	190647.0	1.323651	Y
3	IC 480-568824/7	2.0	2.405593	25.0	199587.0	1.202796	Y
4	IC 480-568824/8	5.0	6.470399	25.0	206444.0	1.29408	Y
5	IC 480-568824/9	10.0	13.645311	25.0	201179.0	1.364531	Y
6	ICIS 480-568824/10	25.0	34.196799	25.0	208858.0	1.367872	Y
7	IC 480-568824/11	50.0	66.088997	25.0	211424.0	1.32178	Y
8	IC 480-568824/12	100.0	137.925349	25.0	225609.0	1.379253	Y



Calibration / Acrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

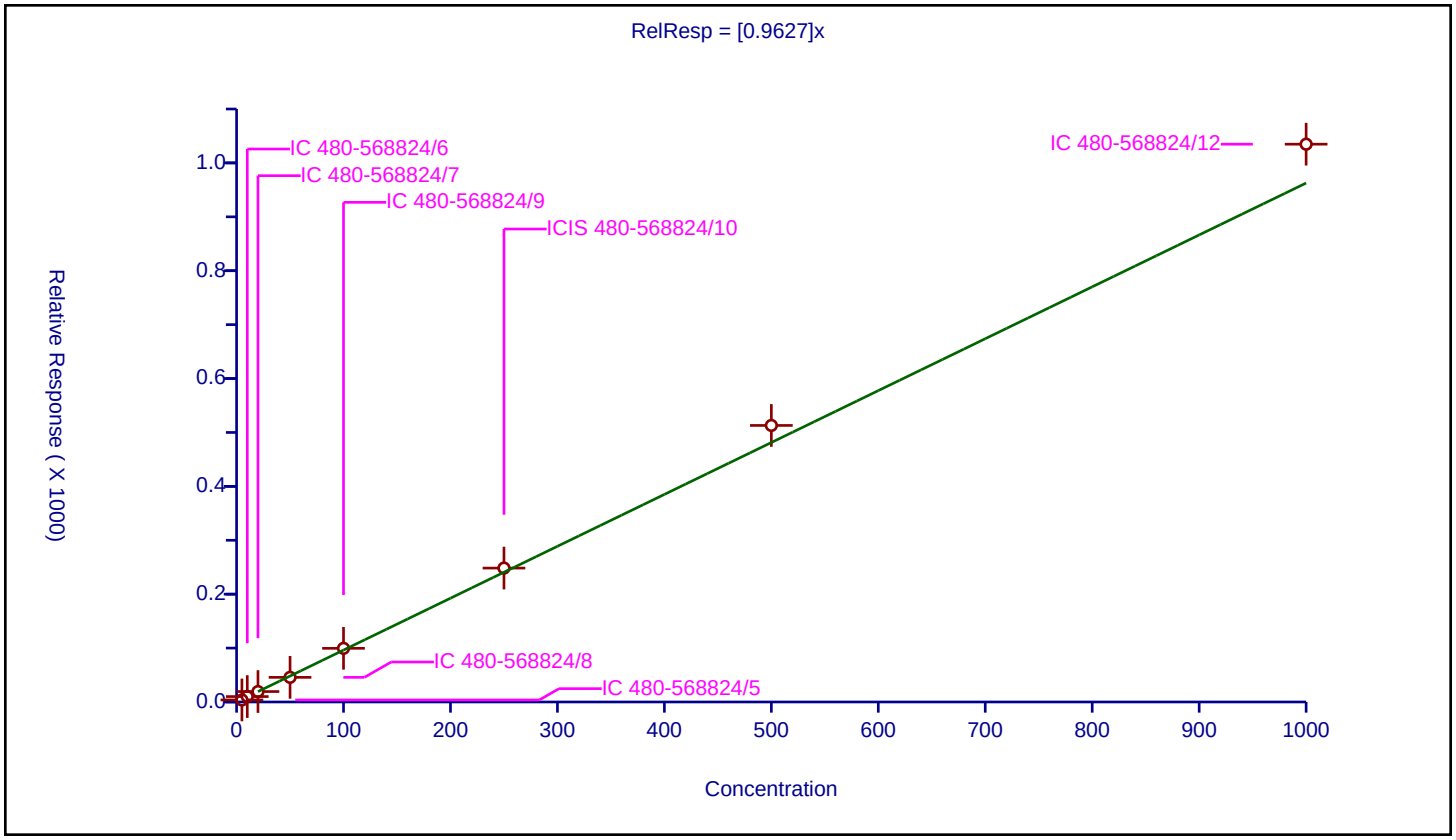
Curve Coefficients

Intercept:	0
Slope:	0.9627

Error Coefficients

Standard Error:	3980000
Relative Standard Error:	9.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	5.0	3.806479	25.0	205275.0	0.761296	Y
2	IC 480-568824/6	10.0	10.083558	25.0	190647.0	1.008356	Y
3	IC 480-568824/7	20.0	19.368496	25.0	199587.0	0.968425	Y
4	IC 480-568824/8	50.0	45.668438	25.0	206444.0	0.913369	Y
5	IC 480-568824/9	100.0	99.529772	25.0	201179.0	0.995298	Y
6	ICIS 480-568824/10	250.0	248.422612	25.0	208858.0	0.99369	Y
7	IC 480-568824/11	500.0	513.024302	25.0	211424.0	1.026049	Y
8	IC 480-568824/12	1000.0	1034.736425	25.0	225609.0	1.034736	Y



Calibration / Hexane

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

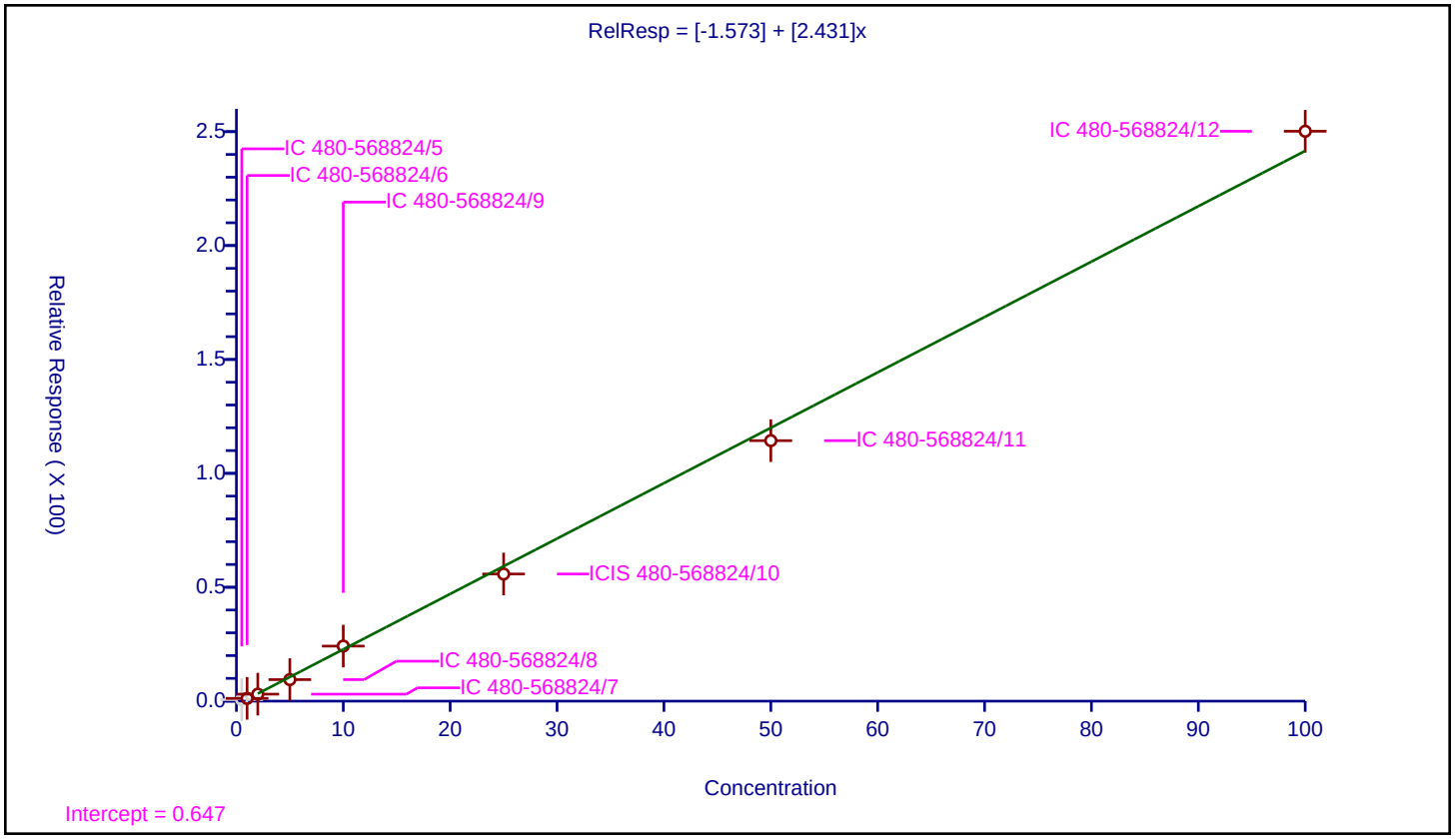
Curve Coefficients

Intercept:	-1.573
Slope:	2.431

Error Coefficients

Standard Error:	1120000
Relative Standard Error:	9.2
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.662648	25.0	205275.0	1.325295	N
2	IC 480-568824/6	1.0	1.217564	25.0	190647.0	1.217564	Y
3	IC 480-568824/7	2.0	3.065455	25.0	199587.0	1.532728	Y
4	IC 480-568824/8	5.0	9.447598	25.0	206444.0	1.88952	Y
5	IC 480-568824/9	10.0	24.162562	25.0	201179.0	2.416256	Y
6	ICIS 480-568824/10	25.0	55.814357	25.0	208858.0	2.232574	Y
7	IC 480-568824/11	50.0	114.360598	25.0	211424.0	2.287212	Y
8	IC 480-568824/12	100.0	250.18173	25.0	225609.0	2.501817	Y



Calibration / 1,1-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

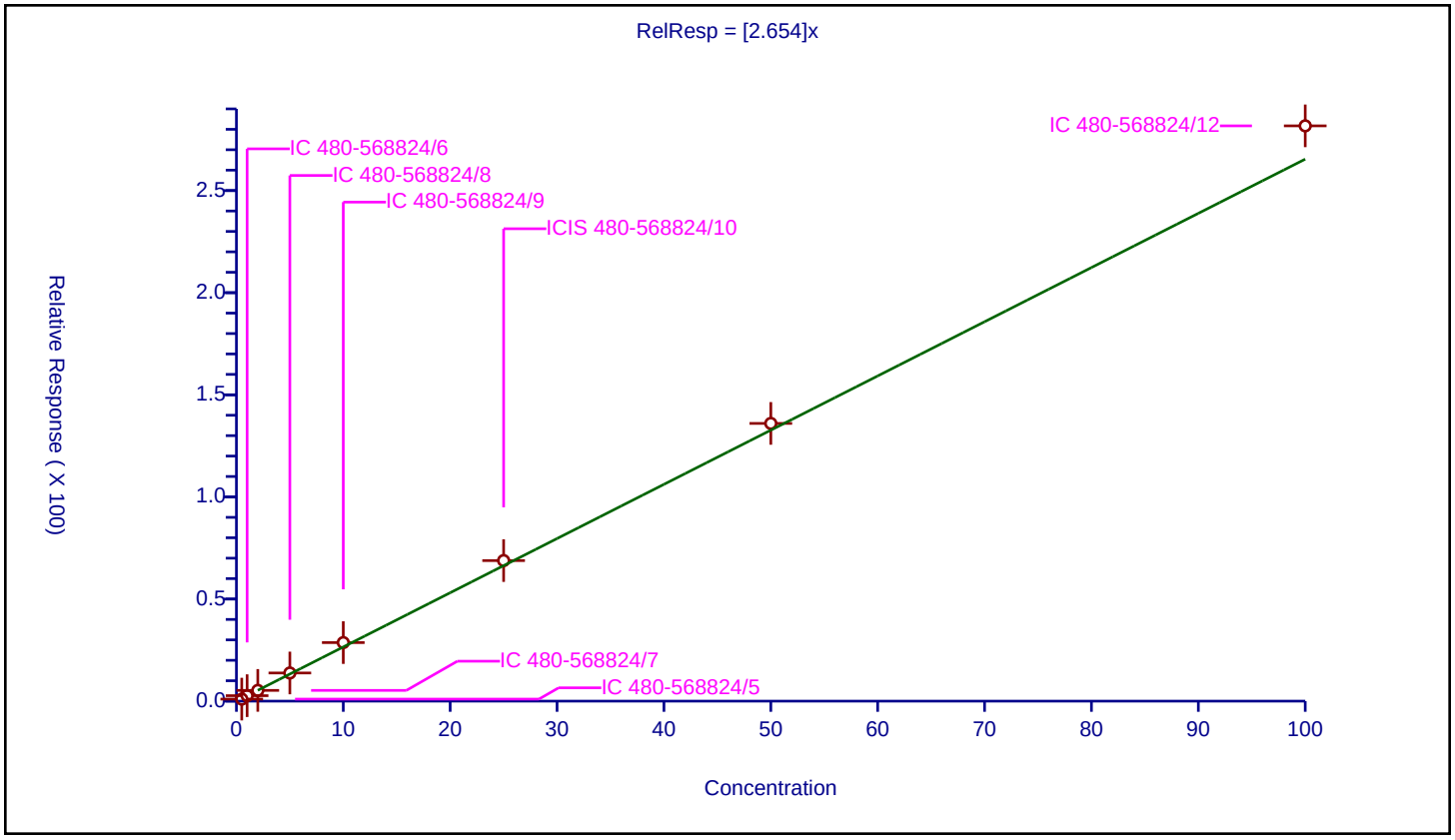
Curve Coefficients

Intercept:	0
Slope:	2.654

Error Coefficients

Standard Error:	1080000
Relative Standard Error:	10.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	1.001461	25.0	205275.0	2.002923	Y
2	IC 480-568824/6	1.0	2.684674	25.0	190647.0	2.684674	Y
3	IC 480-568824/7	2.0	5.258359	25.0	199587.0	2.629179	Y
4	IC 480-568824/8	5.0	13.789333	25.0	206444.0	2.757867	Y
5	IC 480-568824/9	10.0	28.671357	25.0	201179.0	2.867136	Y
6	ICIS 480-568824/10	25.0	68.821879	25.0	208858.0	2.752875	Y
7	IC 480-568824/11	50.0	135.992839	25.0	211424.0	2.719857	Y
8	IC 480-568824/12	100.0	281.687787	25.0	225609.0	2.816878	Y



Calibration / Vinyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

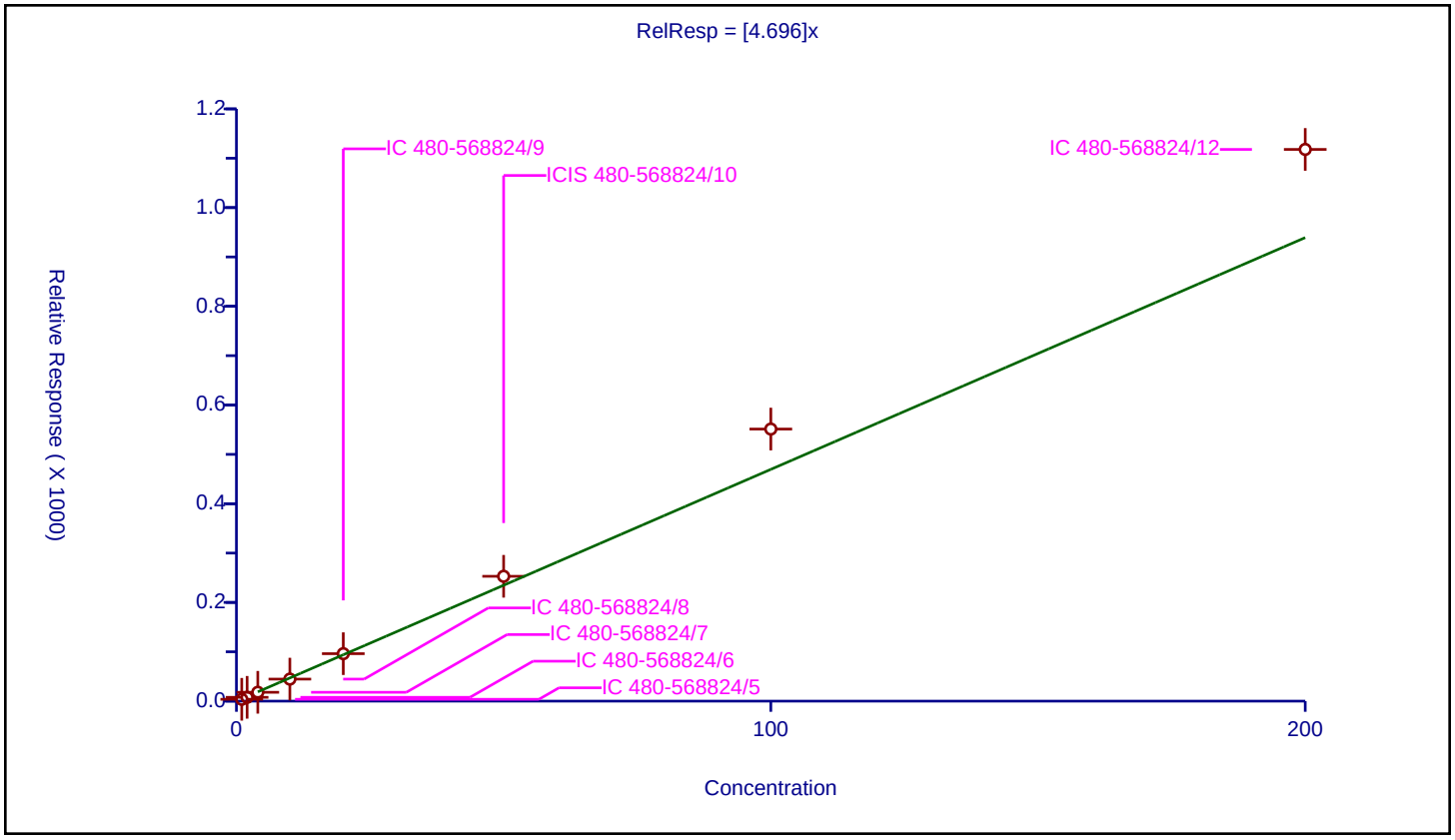
Curve Coefficients

Intercept:	0
Slope:	4.696

Error Coefficients

Standard Error:	4290000
Relative Standard Error:	14.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	1.0	3.775058	25.0	205275.0	3.775058	Y
2	IC 480-568824/6	2.0	7.738648	25.0	190647.0	3.869324	Y
3	IC 480-568824/7	4.0	17.932656	25.0	199587.0	4.483164	Y
4	IC 480-568824/8	10.0	44.678944	25.0	206444.0	4.467894	Y
5	IC 480-568824/9	20.0	96.208227	25.0	201179.0	4.810411	Y
6	ICIS 480-568824/10	50.0	252.951527	25.0	208858.0	5.059031	Y
7	IC 480-568824/11	100.0	551.307562	25.0	211424.0	5.513076	Y
8	IC 480-568824/12	200.0	1117.846473	25.0	225609.0	5.589232	Y



Calibration / 2,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

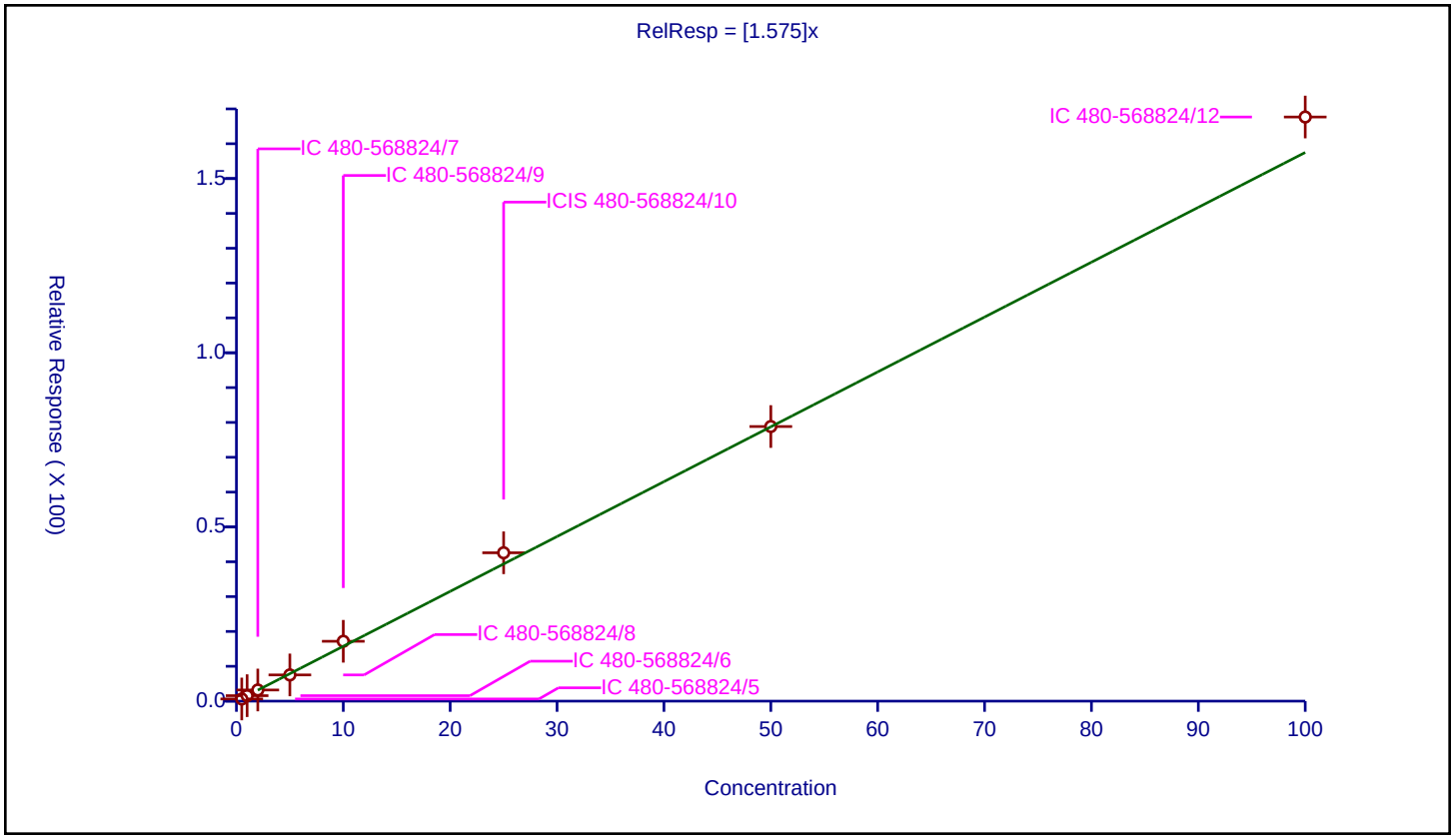
Curve Coefficients

Intercept:	0
Slope:	1.575

Error Coefficients

Standard Error:	642000
Relative Standard Error:	9.6
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.623188	25.0	205275.0	1.246377	Y
2	IC 480-568824/6	1.0	1.573327	25.0	190647.0	1.573327	Y
3	IC 480-568824/7	2.0	3.200484	25.0	199587.0	1.600242	Y
4	IC 480-568824/8	5.0	7.523953	25.0	206444.0	1.504791	Y
5	IC 480-568824/9	10.0	17.182087	25.0	201179.0	1.718209	Y
6	ICIS 480-568824/10	25.0	42.589702	25.0	208858.0	1.703588	Y
7	IC 480-568824/11	50.0	78.826079	25.0	211424.0	1.576522	Y
8	IC 480-568824/12	100.0	167.665519	25.0	225609.0	1.676655	Y



Calibration / cis-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

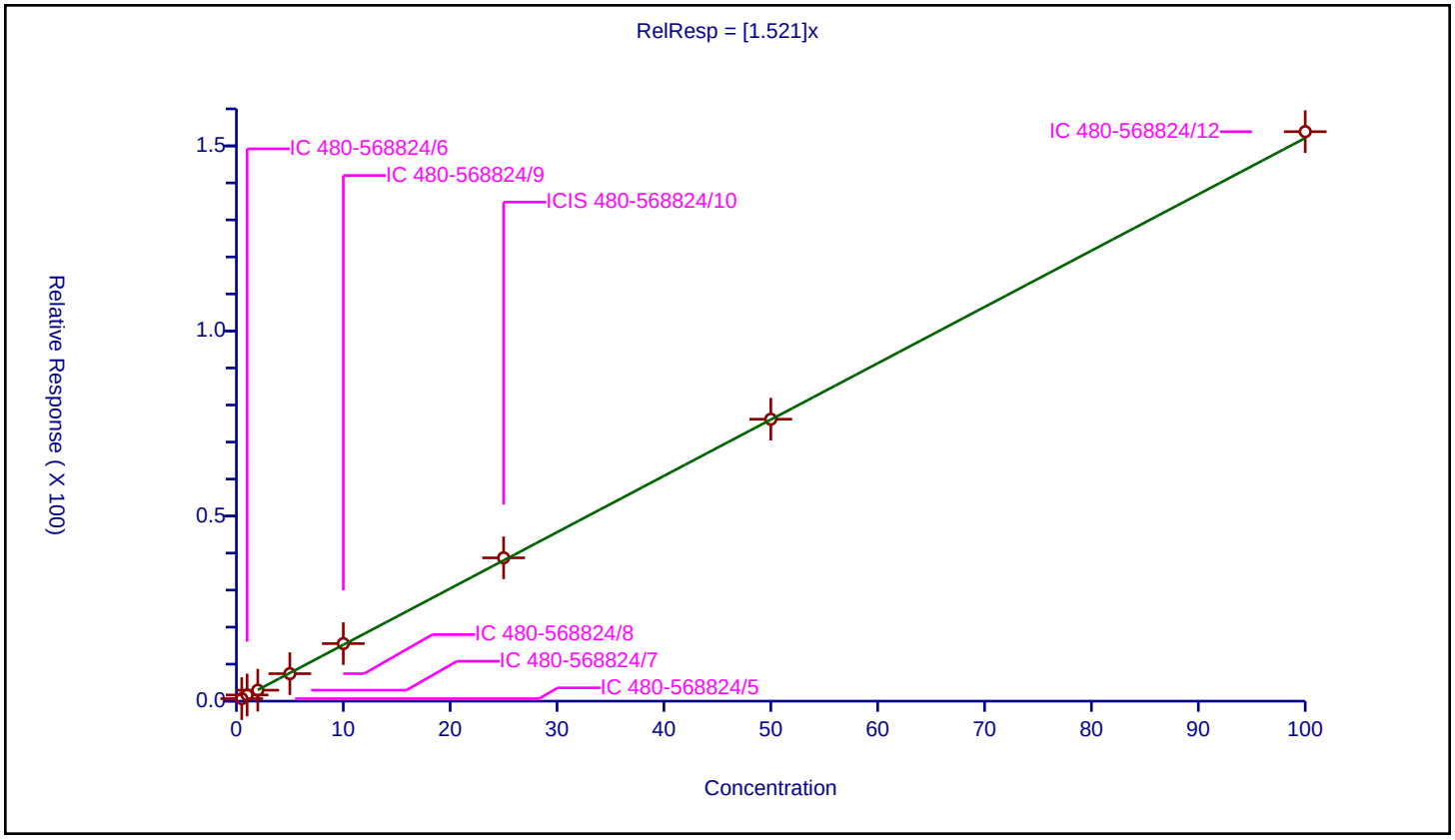
Curve Coefficients

Intercept:	0
Slope:	1.521

Error Coefficients

Standard Error:	594000
Relative Standard Error:	5.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.681768	25.0	205275.0	1.363537	Y
2	IC 480-568824/6	1.0	1.674692	25.0	190647.0	1.674692	Y
3	IC 480-568824/7	2.0	2.963745	25.0	199587.0	1.481873	Y
4	IC 480-568824/8	5.0	7.42441	25.0	206444.0	1.484882	Y
5	IC 480-568824/9	10.0	15.542378	25.0	201179.0	1.554238	Y
6	ICIS 480-568824/10	25.0	38.71506	25.0	208858.0	1.548602	Y
7	IC 480-568824/11	50.0	76.171579	25.0	211424.0	1.523432	Y
8	IC 480-568824/12	100.0	153.850467	25.0	225609.0	1.538505	Y



Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

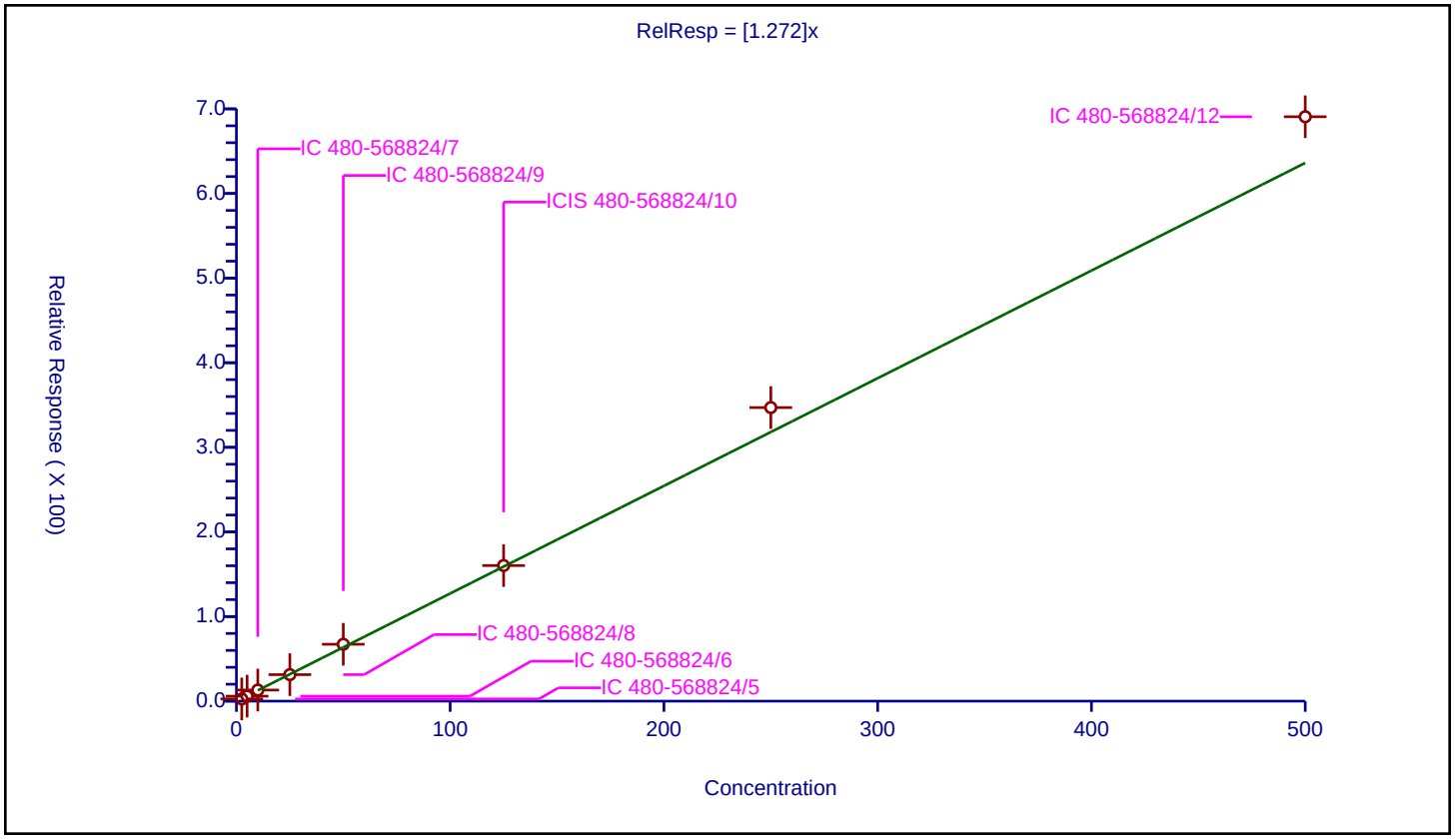
Curve Coefficients

Intercept:	0
Slope:	1.272

Error Coefficients

Standard Error:	2660000
Relative Standard Error:	9.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	2.5	2.599562	25.0	205275.0	1.039825	Y
2	IC 480-568824/6	5.0	5.88955	25.0	190647.0	1.17791	Y
3	IC 480-568824/7	10.0	13.10882	25.0	199587.0	1.310882	Y
4	IC 480-568824/8	25.0	31.327745	25.0	206444.0	1.25311	Y
5	IC 480-568824/9	50.0	67.240244	25.0	201179.0	1.344805	Y
6	ICIS 480-568824/10	125.0	160.234106	25.0	208858.0	1.281873	Y
7	IC 480-568824/11	250.0	346.984377	25.0	211424.0	1.387938	Y
8	IC 480-568824/12	500.0	690.72178	25.0	225609.0	1.381444	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

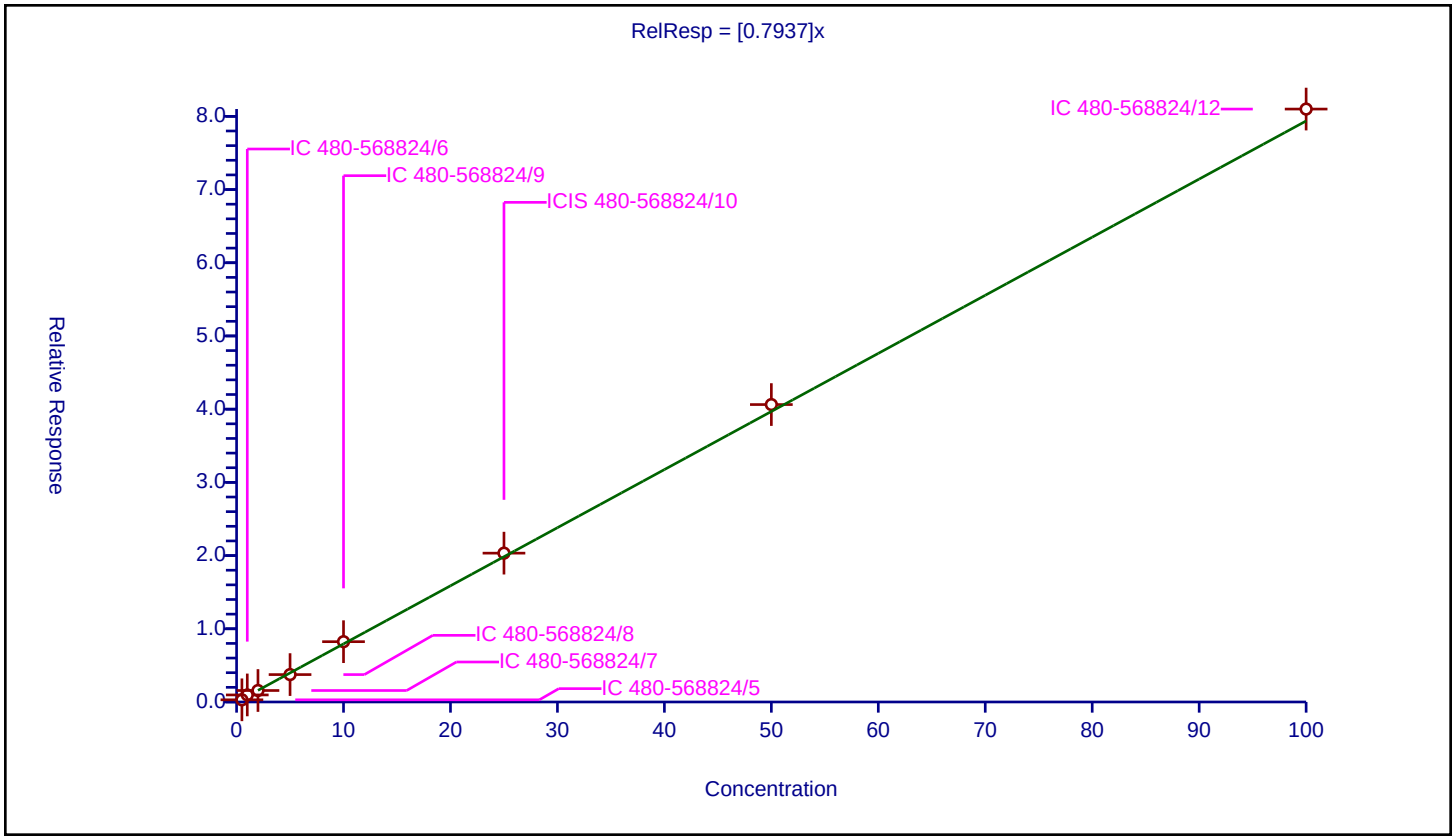
Curve Coefficients

Intercept:	0
Slope:	0.7937

Error Coefficients

Standard Error:	313000
Relative Standard Error:	12.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.296553	25.0	205275.0	0.593107	Y
2	IC 480-568824/6	1.0	0.963692	25.0	190647.0	0.963692	Y
3	IC 480-568824/7	2.0	1.568238	25.0	199587.0	0.784119	Y
4	IC 480-568824/8	5.0	3.744478	25.0	206444.0	0.748896	Y
5	IC 480-568824/9	10.0	8.237067	25.0	201179.0	0.823707	Y
6	ICIS 480-568824/10	25.0	20.332235	25.0	208858.0	0.813289	Y
7	IC 480-568824/11	50.0	40.628429	25.0	211424.0	0.812569	Y
8	IC 480-568824/12	100.0	80.993888	25.0	225609.0	0.809939	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

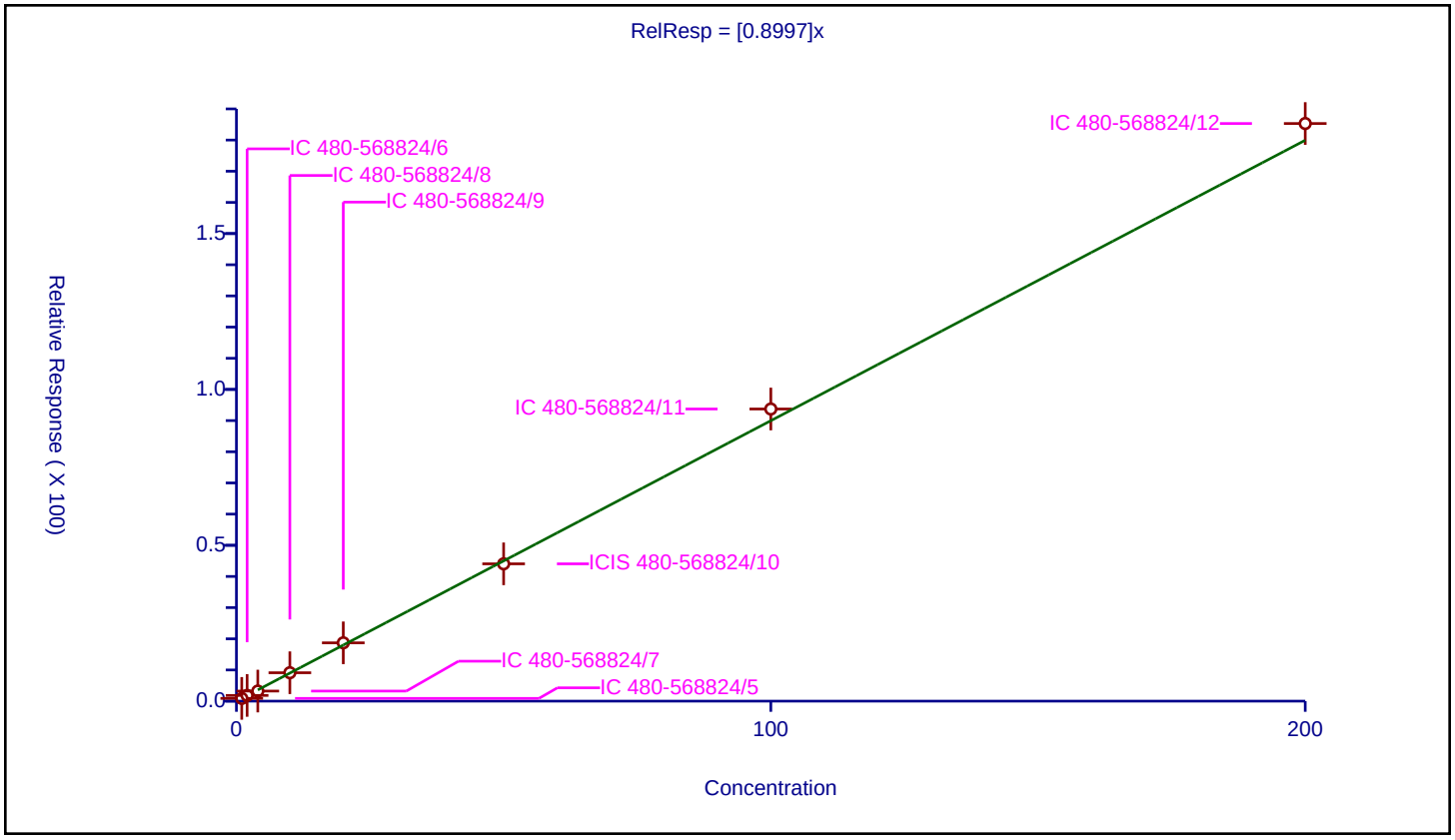
Curve Coefficients

Intercept:	0
Slope:	0.8997

Error Coefficients

Standard Error:	716000
Relative Standard Error:	4.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	1.0	0.8815	25.0	205275.0	0.8815	Y
2	IC 480-568824/6	2.0	1.831526	25.0	190647.0	0.915763	Y
3	IC 480-568824/7	4.0	3.235055	25.0	199587.0	0.808764	Y
4	IC 480-568824/8	10.0	9.114942	25.0	206444.0	0.911494	Y
5	IC 480-568824/9	20.0	18.706351	25.0	201179.0	0.935318	Y
6	ICIS 480-568824/10	50.0	44.049187	25.0	208858.0	0.880984	Y
7	IC 480-568824/11	100.0	93.723868	25.0	211424.0	0.937239	Y
8	IC 480-568824/12	200.0	185.307767	25.0	225609.0	0.926539	Y



Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

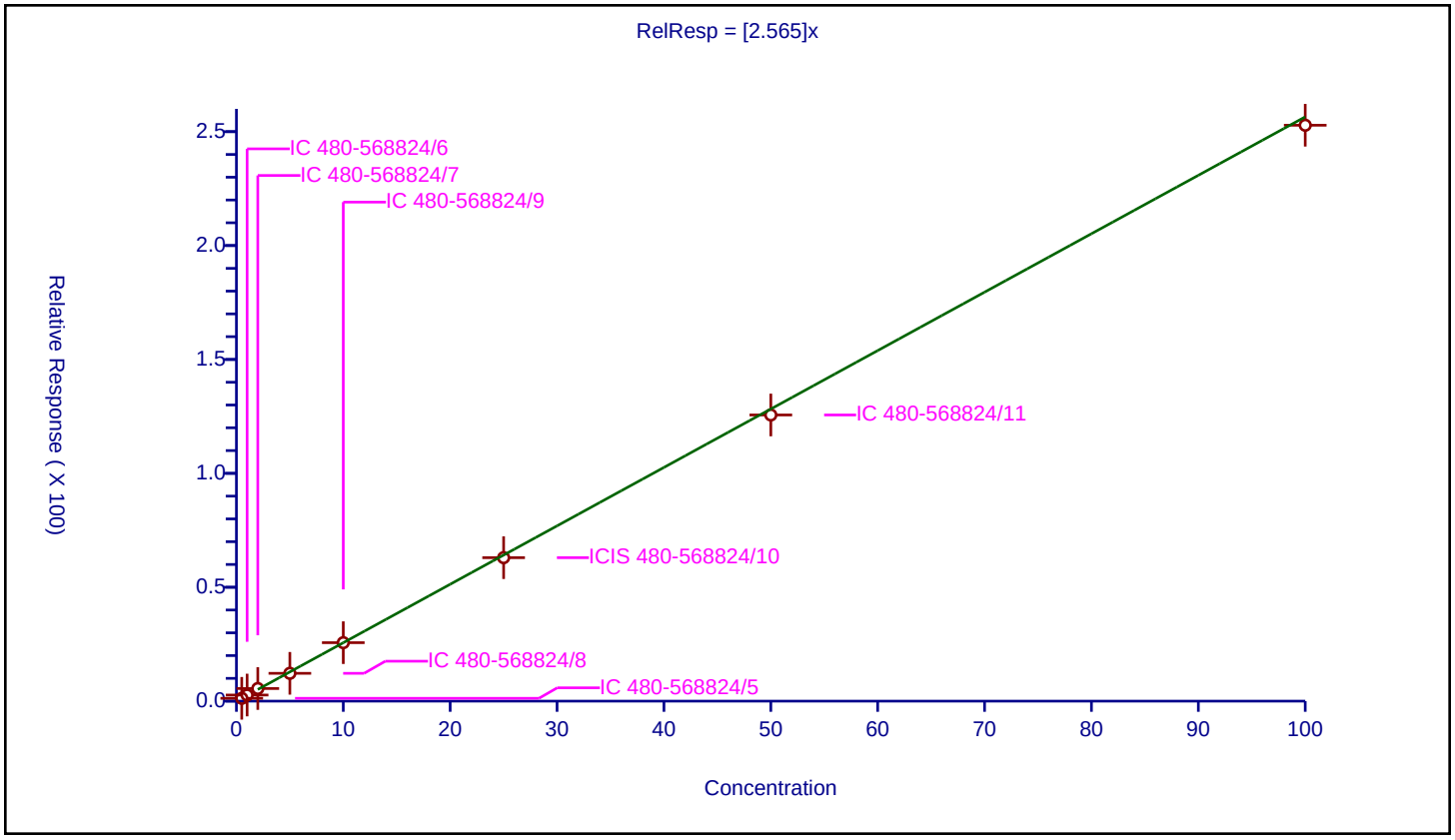
Curve Coefficients

Intercept:	0
Slope:	2.565

Error Coefficients

Standard Error:	976000
Relative Standard Error:	4.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	1.248691	25.0	205275.0	2.497382	Y
2	IC 480-568824/6	1.0	2.681264	25.0	190647.0	2.681264	Y
3	IC 480-568824/7	2.0	5.541067	25.0	199587.0	2.770534	Y
4	IC 480-568824/8	5.0	12.216751	25.0	206444.0	2.44335	Y
5	IC 480-568824/9	10.0	25.667565	25.0	201179.0	2.566756	Y
6	ICIS 480-568824/10	25.0	62.980231	25.0	208858.0	2.519209	Y
7	IC 480-568824/11	50.0	125.632024	25.0	211424.0	2.51264	Y
8	IC 480-568824/12	100.0	252.821918	25.0	225609.0	2.528219	Y



Calibration / 1,1,1-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

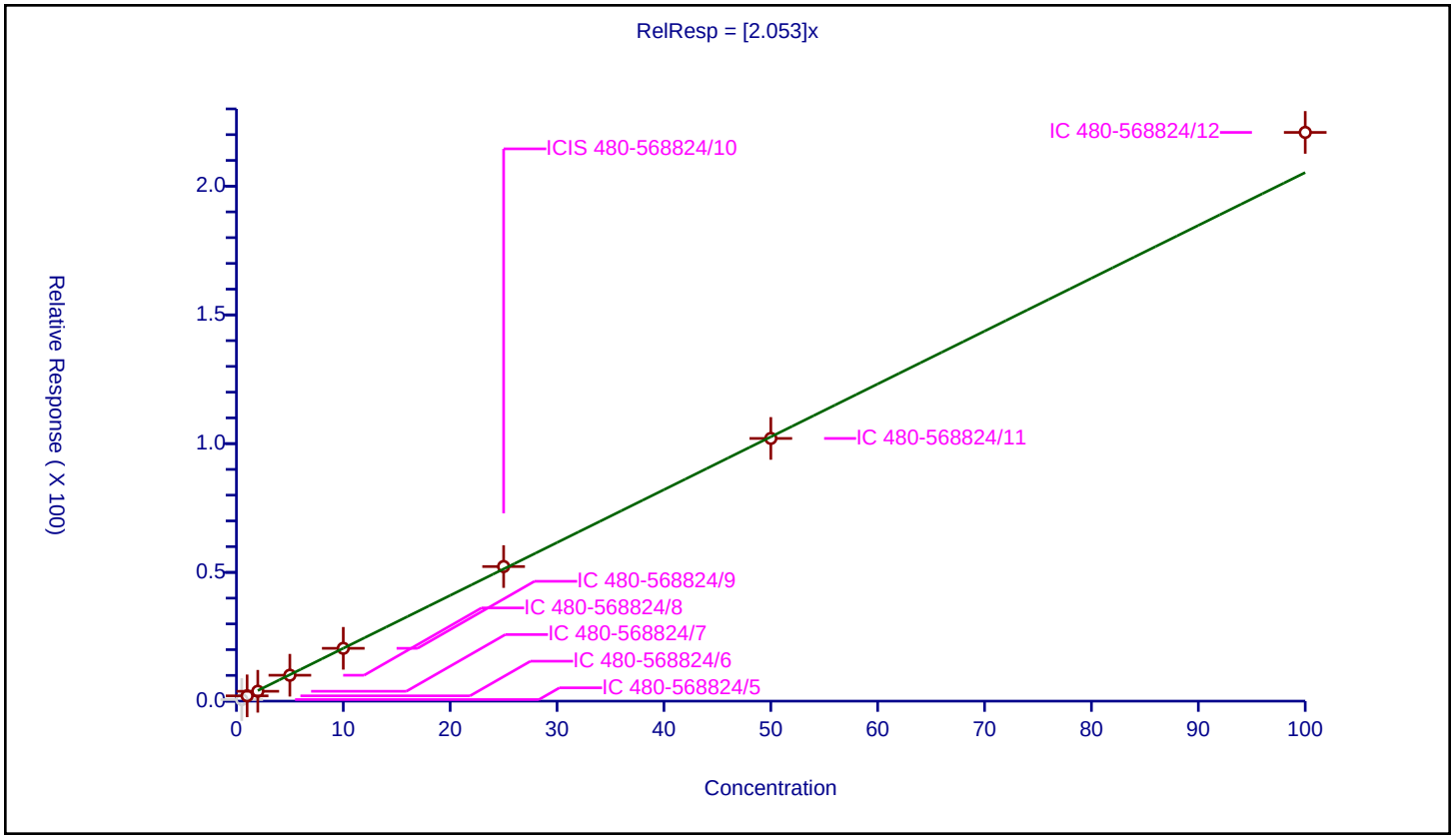
Curve Coefficients

Intercept:	0
Slope:	2.053

Error Coefficients

Standard Error:	908000
Relative Standard Error:	4.3
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.617343	25.0	205275.0	1.234685	N
2	IC 480-568824/6	1.0	2.052484	25.0	190647.0	2.052484	Y
3	IC 480-568824/7	2.0	3.827404	25.0	199587.0	1.913702	Y
4	IC 480-568824/8	5.0	10.062898	25.0	206444.0	2.01258	Y
5	IC 480-568824/9	10.0	20.512827	25.0	201179.0	2.051283	Y
6	ICIS 480-568824/10	25.0	52.267689	25.0	208858.0	2.090708	Y
7	IC 480-568824/11	50.0	102.021412	25.0	211424.0	2.040428	Y
8	IC 480-568824/12	100.0	220.866743	25.0	225609.0	2.208667	Y



Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

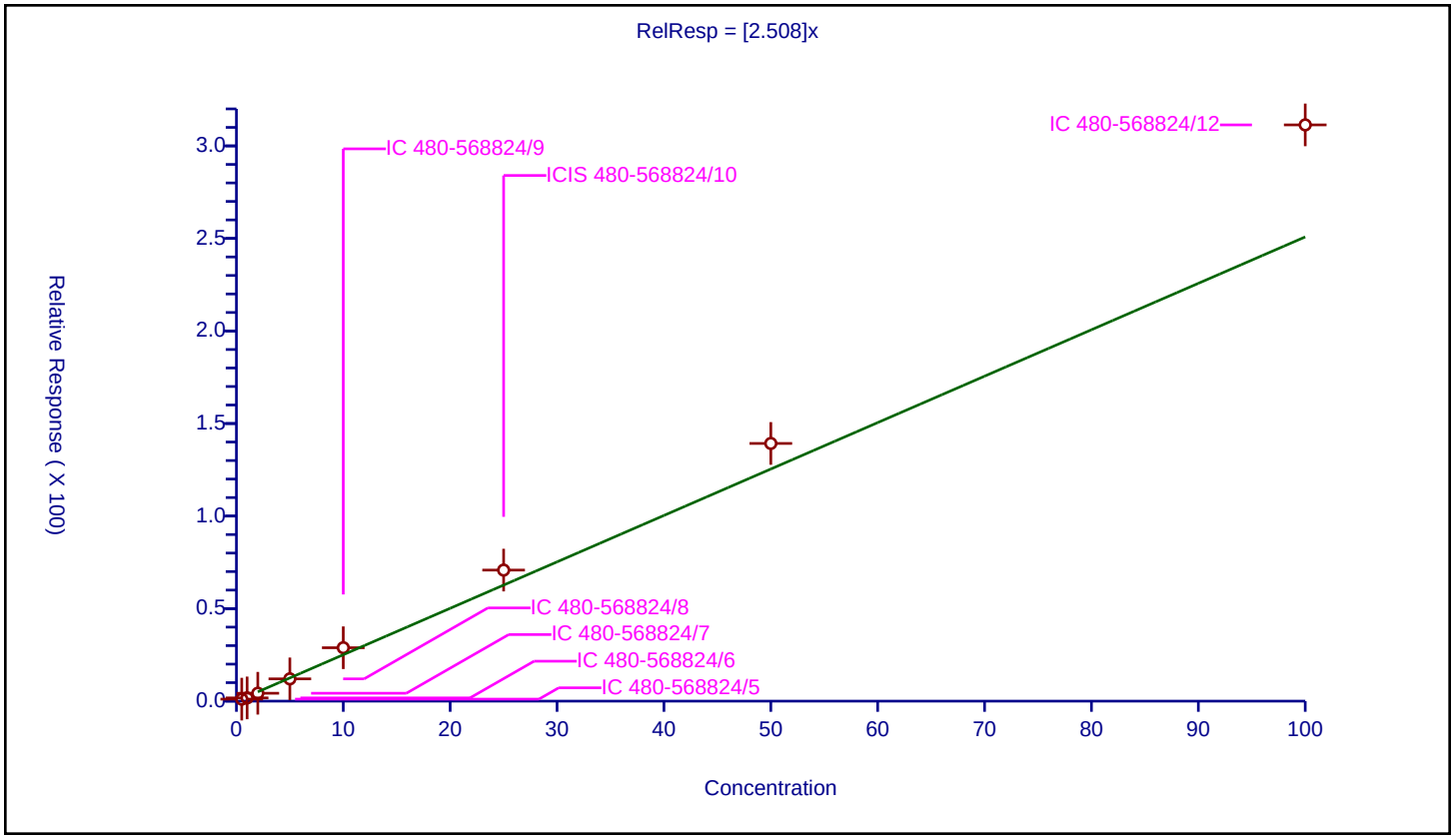
Curve Coefficients

Intercept:	0
Slope:	2.508

Error Coefficients

Standard Error:	1180000
Relative Standard Error:	18.7
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.961

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	1.079649	25.0	205275.0	2.159299	Y
2	IC 480-568824/6	1.0	1.746159	25.0	190647.0	1.746159	Y
3	IC 480-568824/7	2.0	4.270193	25.0	199587.0	2.135096	Y
4	IC 480-568824/8	5.0	12.042007	25.0	206444.0	2.408401	Y
5	IC 480-568824/9	10.0	28.859995	25.0	201179.0	2.886	Y
6	ICIS 480-568824/10	25.0	70.808276	25.0	208858.0	2.832331	Y
7	IC 480-568824/11	50.0	139.243298	25.0	211424.0	2.784866	Y
8	IC 480-568824/12	100.0	311.3505	25.0	225609.0	3.113505	Y



Calibration / Dibromofluoromethane (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

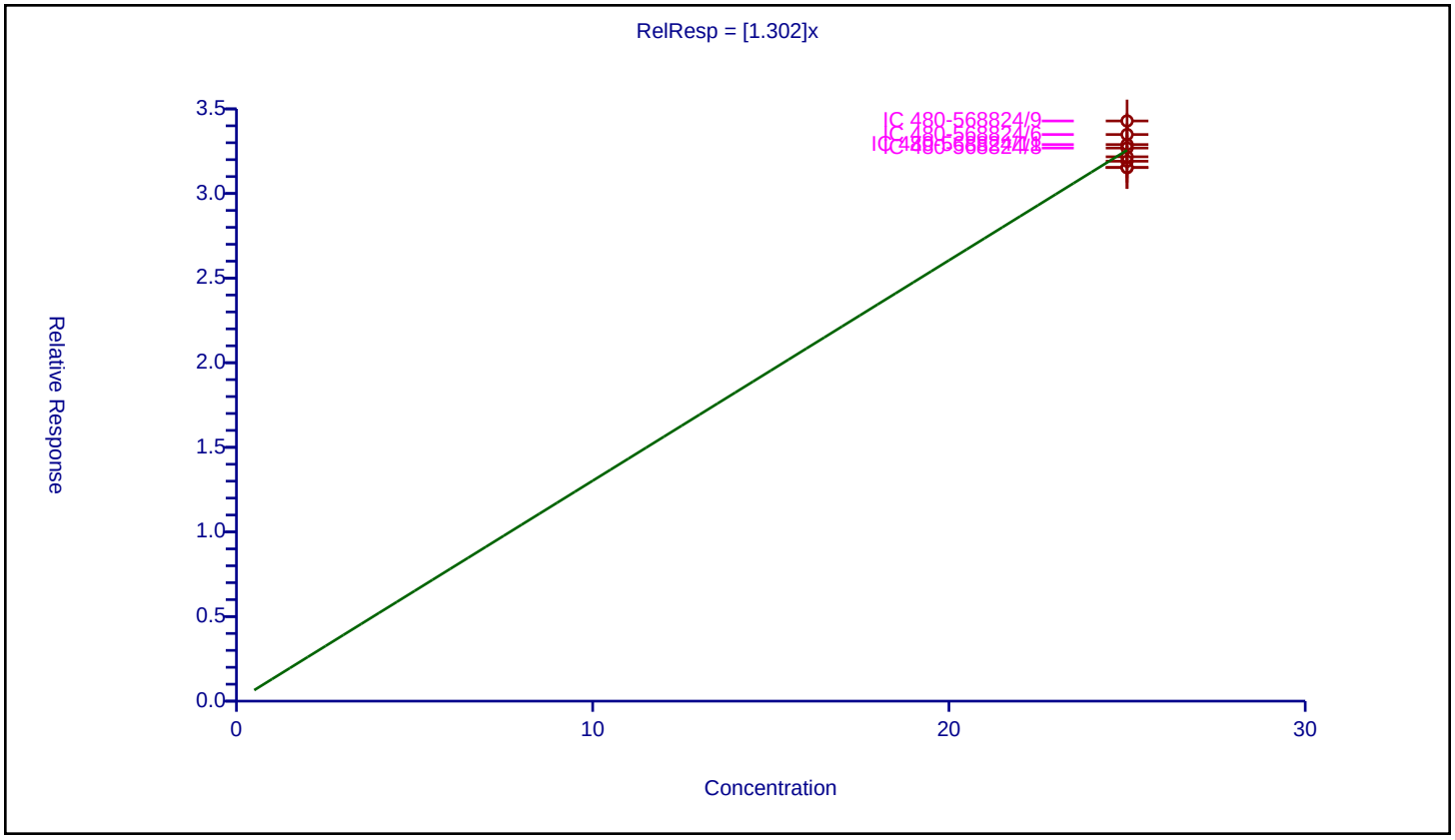
Curve Coefficients

Intercept:	0
Slope:	1.302

Error Coefficients

Standard Error:	287000
Relative Standard Error:	3.0
Correlation Coefficient:	0
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	25.0	31.532213	25.0	205275.0	1.261289	Y
2	IC 480-568824/6	25.0	33.486365	25.0	190647.0	1.339455	Y
3	IC 480-568824/7	25.0	31.535496	25.0	199587.0	1.26142	Y
4	IC 480-568824/8	25.0	32.685862	25.0	206444.0	1.307434	Y
5	IC 480-568824/9	25.0	34.287127	25.0	201179.0	1.371485	Y
6	ICIS 480-568824/10	25.0	31.906965	25.0	208858.0	1.276279	Y
7	IC 480-568824/11	25.0	32.892198	25.0	211424.0	1.315688	Y
8	IC 480-568824/12	25.0	32.170702	25.0	225609.0	1.286828	Y



Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

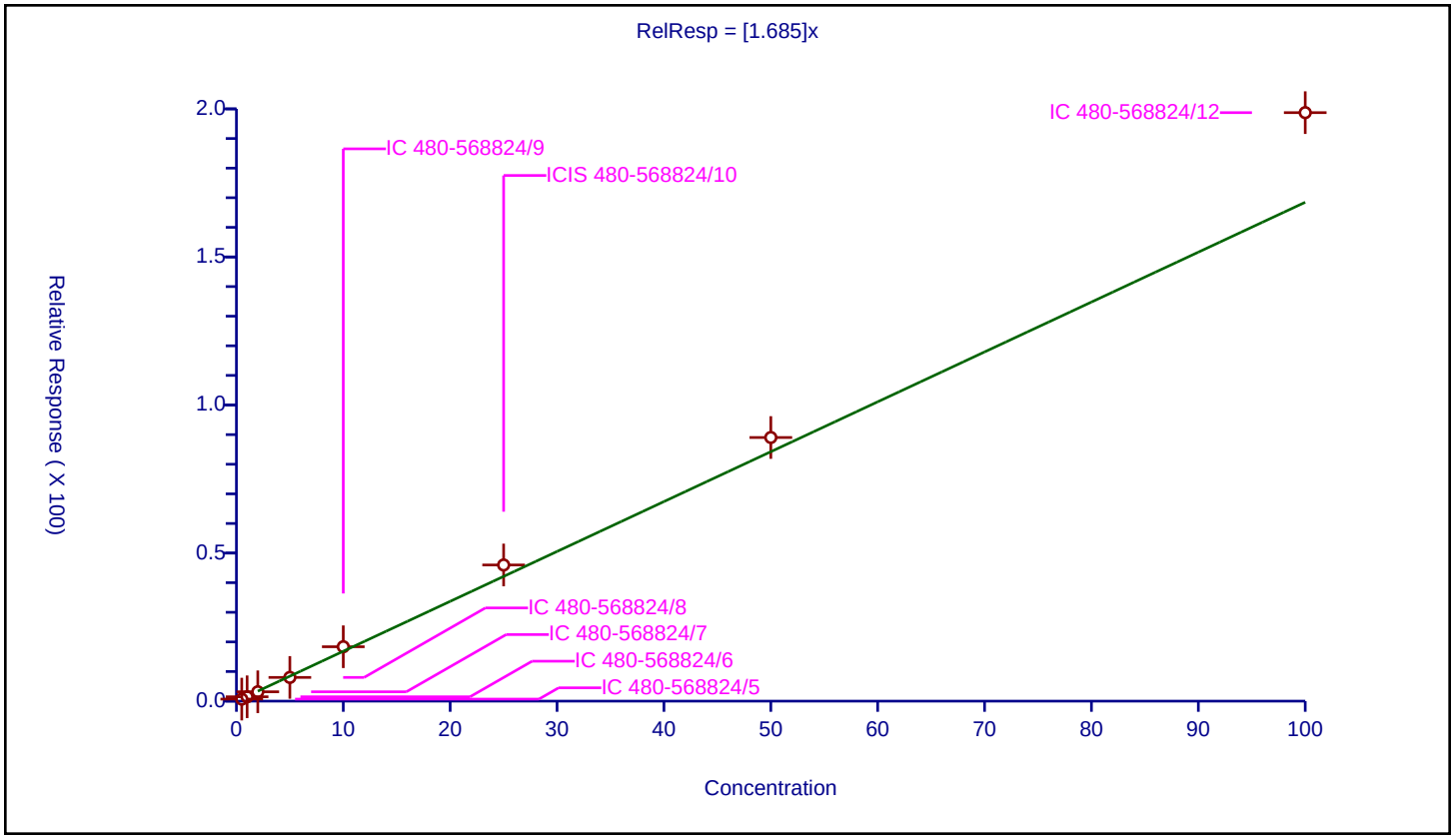
Curve Coefficients

Intercept:	0
Slope:	1.685

Error Coefficients

Standard Error:	752000
Relative Standard Error:	12.4
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.69139	25.0	205275.0	1.382779	Y
2	IC 480-568824/6	1.0	1.469207	25.0	190647.0	1.469207	Y
3	IC 480-568824/7	2.0	3.160025	25.0	199587.0	1.580013	Y
4	IC 480-568824/8	5.0	8.005319	25.0	206444.0	1.601064	Y
5	IC 480-568824/9	10.0	18.369213	25.0	201179.0	1.836921	Y
6	ICIS 480-568824/10	25.0	45.979445	25.0	208858.0	1.839178	Y
7	IC 480-568824/11	50.0	89.033057	25.0	211424.0	1.780661	Y
8	IC 480-568824/12	100.0	198.72822	25.0	225609.0	1.987282	Y



Calibration / 1,1-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

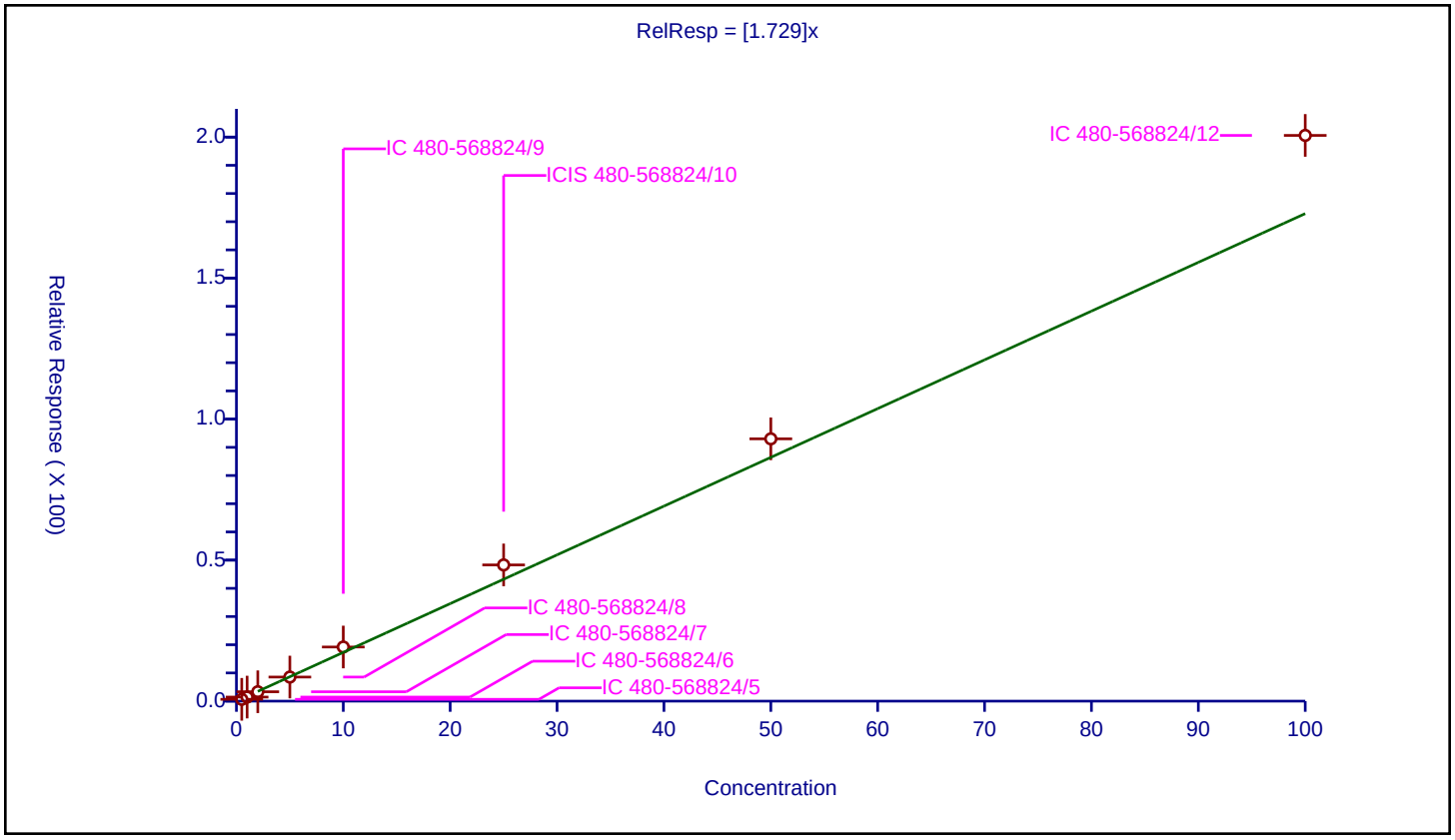
Curve Coefficients

Intercept:	0
Slope:	1.729

Error Coefficients

Standard Error:	764000
Relative Standard Error:	14.6
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.647911	25.0	205275.0	1.295823	Y
2	IC 480-568824/6	1.0	1.442719	25.0	190647.0	1.442719	Y
3	IC 480-568824/7	2.0	3.328874	25.0	199587.0	1.664437	Y
4	IC 480-568824/8	5.0	8.54578	25.0	206444.0	1.709156	Y
5	IC 480-568824/9	10.0	19.191988	25.0	201179.0	1.919199	Y
6	ICIS 480-568824/10	25.0	48.297528	25.0	208858.0	1.931901	Y
7	IC 480-568824/11	50.0	93.004578	25.0	211424.0	1.860092	Y
8	IC 480-568824/12	100.0	200.596053	25.0	225609.0	2.005961	Y



Calibration / 1,2-Dichloroethane-d4 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

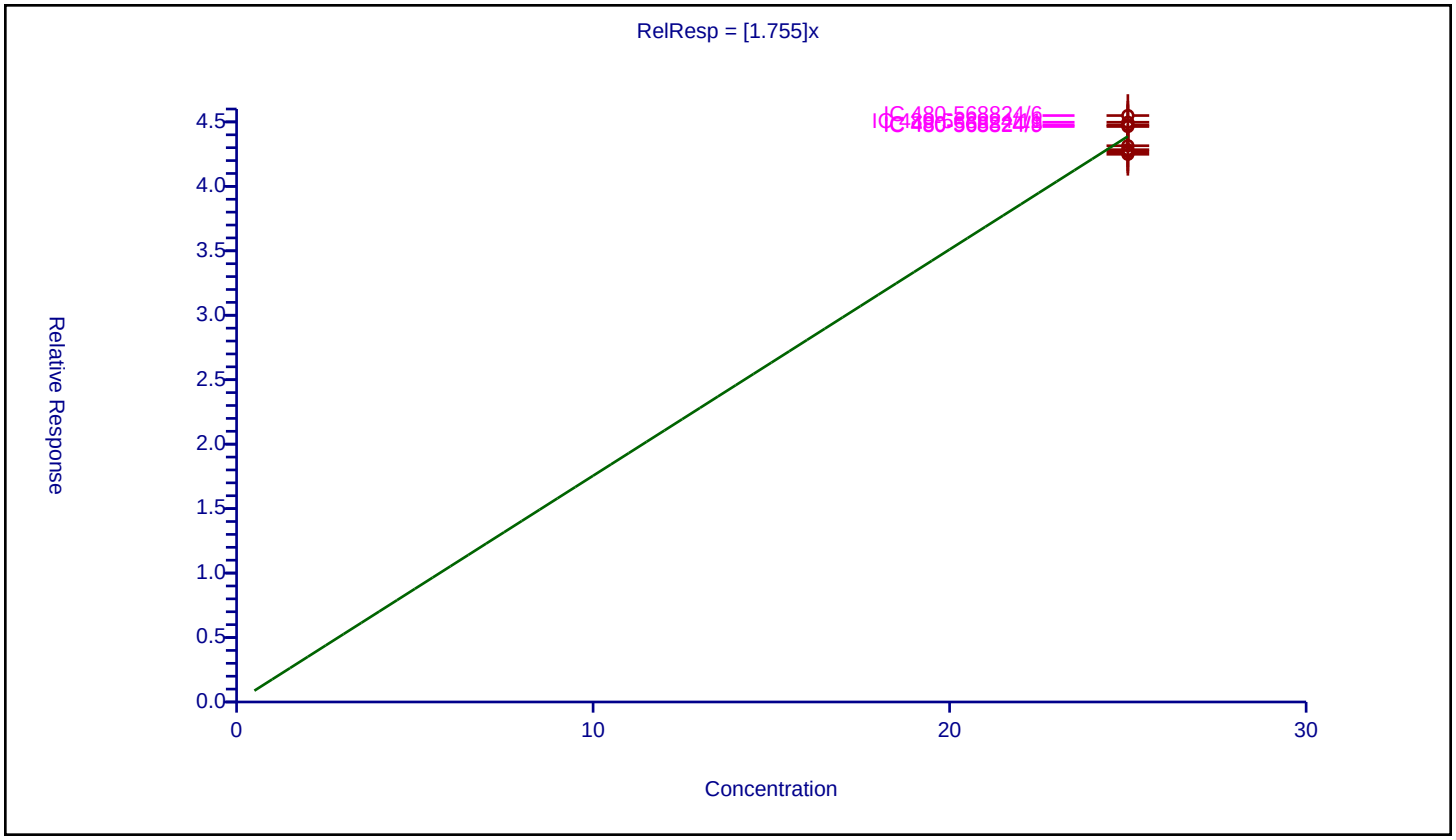
Curve Coefficients

Intercept:	0
Slope:	1.755

Error Coefficients

Standard Error:	387000
Relative Standard Error:	2.7
Correlation Coefficient:	0
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	25.0	42.844477	25.0	205275.0	1.713779	Y
2	IC 480-568824/6	25.0	45.492324	25.0	190647.0	1.819693	Y
3	IC 480-568824/7	25.0	43.150731	25.0	199587.0	1.726029	Y
4	IC 480-568824/8	25.0	44.757416	25.0	206444.0	1.790297	Y
5	IC 480-568824/9	25.0	44.640221	25.0	201179.0	1.785609	Y
6	ICIS 480-568824/10	25.0	42.487001	25.0	208858.0	1.69948	Y
7	IC 480-568824/11	25.0	44.974317	25.0	211424.0	1.798973	Y
8	IC 480-568824/12	25.0	42.68613	25.0	225609.0	1.707445	Y



Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

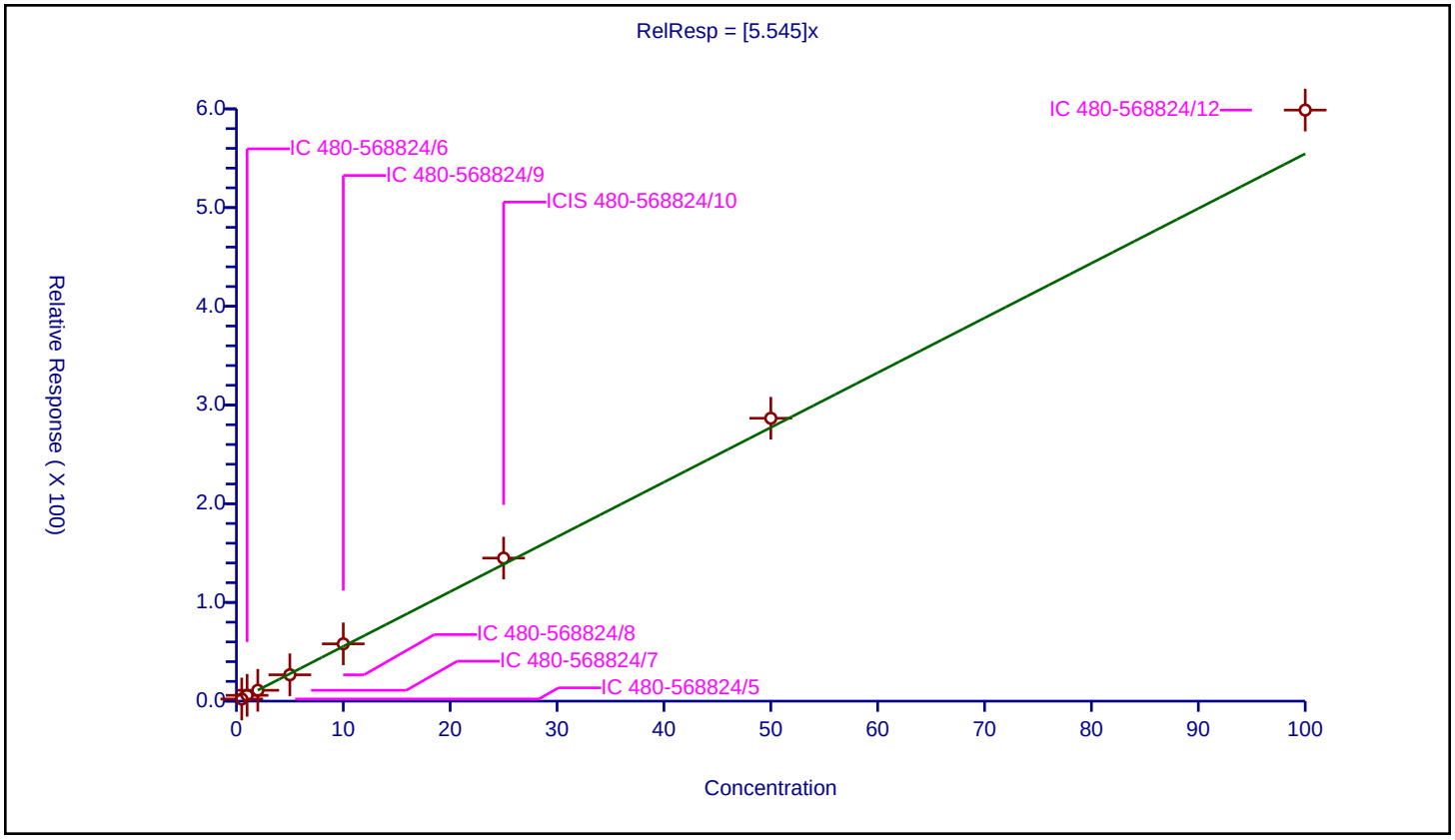
Curve Coefficients

Intercept:	0
Slope:	5.545

Error Coefficients

Standard Error:	2290000
Relative Standard Error:	9.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	2.161856	25.0	205275.0	4.323712	Y
2	IC 480-568824/6	1.0	5.883124	25.0	190647.0	5.883124	Y
3	IC 480-568824/7	2.0	10.985059	25.0	199587.0	5.49253	Y
4	IC 480-568824/8	5.0	26.711844	25.0	206444.0	5.342369	Y
5	IC 480-568824/9	10.0	58.050791	25.0	201179.0	5.805079	Y
6	ICIS 480-568824/10	25.0	144.908502	25.0	208858.0	5.79634	Y
7	IC 480-568824/11	50.0	286.593528	25.0	211424.0	5.731871	Y
8	IC 480-568824/12	100.0	598.792712	25.0	225609.0	5.987927	Y



Calibration / Isobutyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

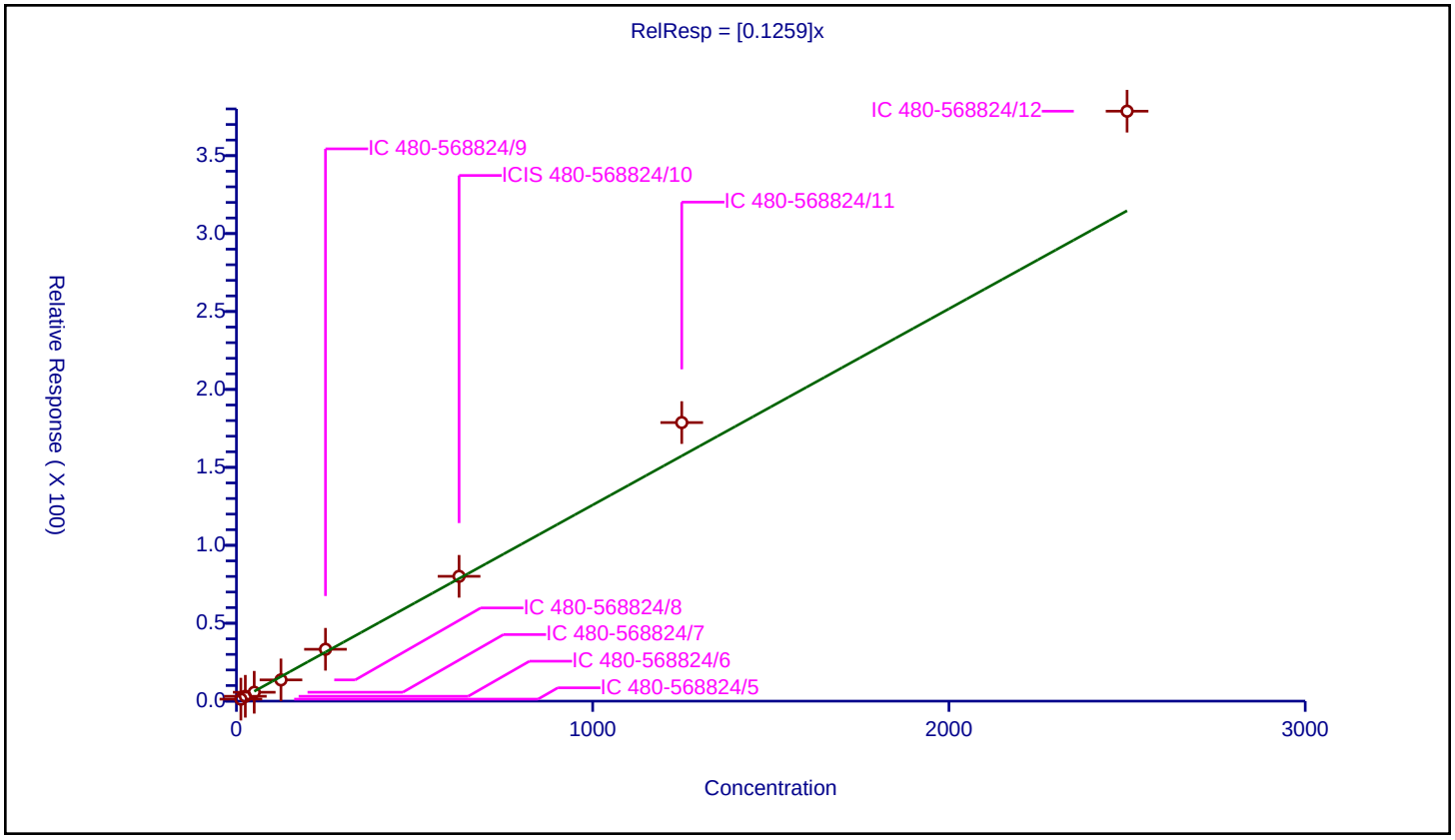
Curve Coefficients

Intercept:	0
Slope:	0.1259

Error Coefficients

Standard Error:	1440000
Relative Standard Error:	13.2
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	12.5	1.294239	25.0	205275.0	0.103539	Y
2	IC 480-568824/6	25.0	3.11387	25.0	190647.0	0.124555	Y
3	IC 480-568824/7	50.0	5.705031	25.0	199587.0	0.114101	Y
4	IC 480-568824/8	125.0	13.634327	25.0	206444.0	0.109075	Y
5	IC 480-568824/9	250.0	33.281307	25.0	201179.0	0.133125	Y
6	ICIS 480-568824/10	625.0	80.087069	25.0	208858.0	0.128139	Y
7	IC 480-568824/11	1250.0	178.750166	25.0	211424.0	0.143	Y
8	IC 480-568824/12	2500.0	378.528006	25.0	225609.0	0.151411	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

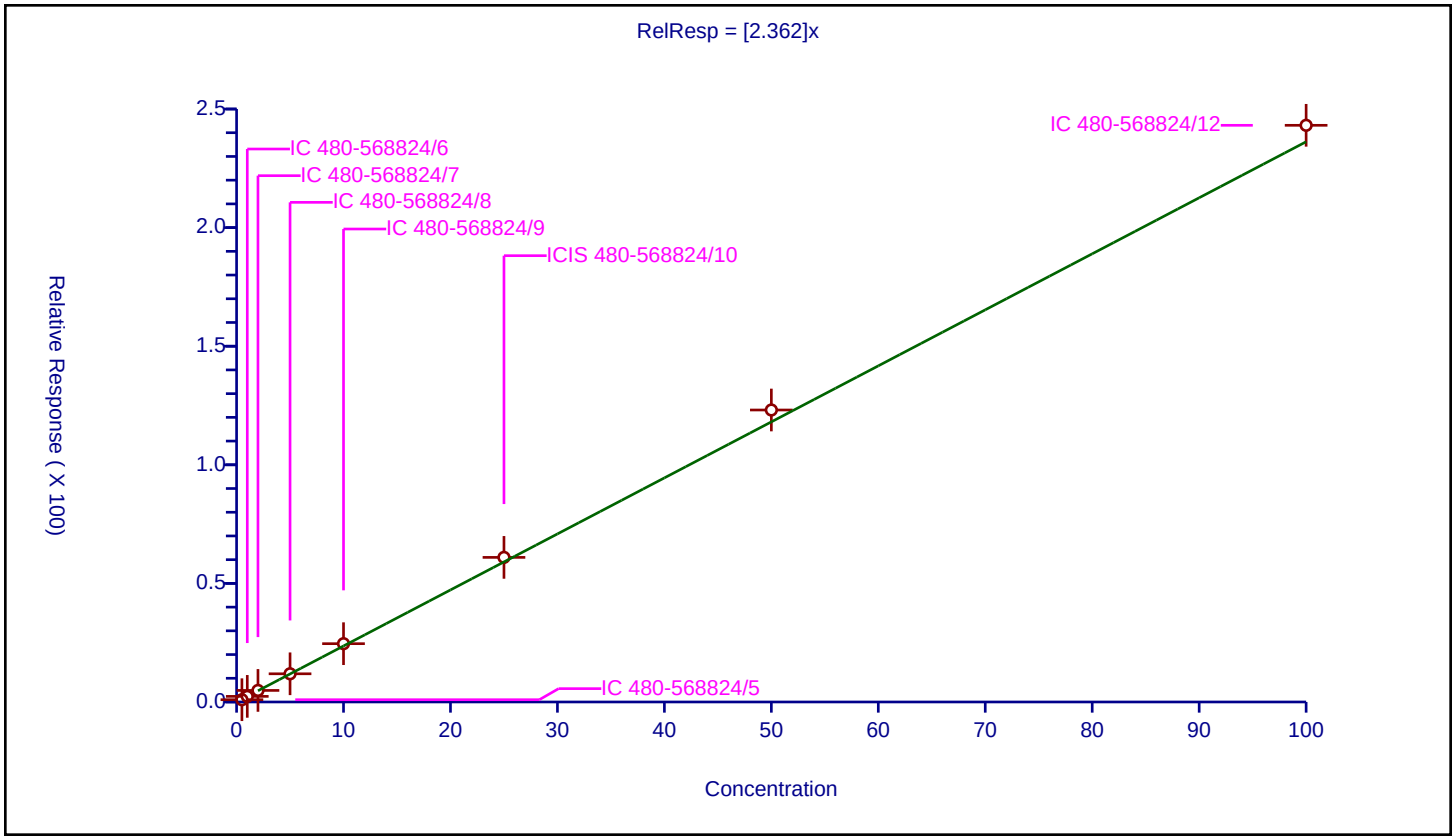
Curve Coefficients

Intercept:	0
Slope:	2.362

Error Coefficients

Standard Error:	942000
Relative Standard Error:	7.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.959566	25.0	205275.0	1.919133	Y
2	IC 480-568824/6	1.0	2.371267	25.0	190647.0	2.371267	Y
3	IC 480-568824/7	2.0	4.875443	25.0	199587.0	2.437721	Y
4	IC 480-568824/8	5.0	11.887243	25.0	206444.0	2.377449	Y
5	IC 480-568824/9	10.0	24.577988	25.0	201179.0	2.457799	Y
6	ICIS 480-568824/10	25.0	60.960078	25.0	208858.0	2.438403	Y
7	IC 480-568824/11	50.0	123.104638	25.0	211424.0	2.462093	Y
8	IC 480-568824/12	100.0	243.128488	25.0	225609.0	2.431285	Y



Calibration / n-Heptane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

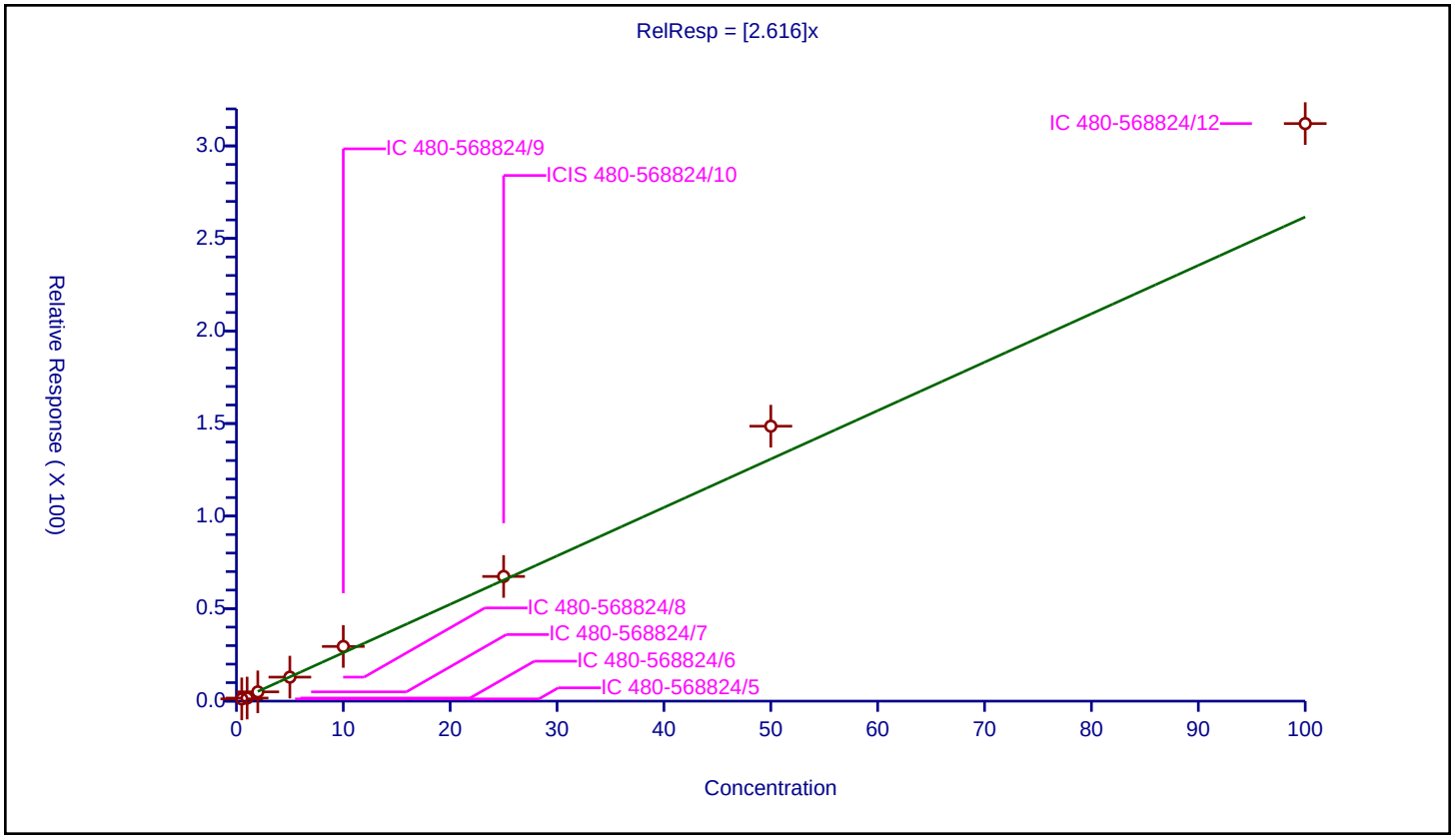
Curve Coefficients

Intercept:	0
Slope:	2.616

Error Coefficients

Standard Error:	1190000
Relative Standard Error:	17.5
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.965

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	1.213738	25.0	205275.0	2.427475	Y
2	IC 480-568824/6	1.0	1.658956	25.0	190647.0	1.658956	Y
3	IC 480-568824/7	2.0	5.013603	25.0	199587.0	2.506802	Y
4	IC 480-568824/8	5.0	12.967924	25.0	206444.0	2.593585	Y
5	IC 480-568824/9	10.0	29.558378	25.0	201179.0	2.955838	Y
6	ICIS 480-568824/10	25.0	67.367542	25.0	208858.0	2.694702	Y
7	IC 480-568824/11	50.0	148.557874	25.0	211424.0	2.971157	Y
8	IC 480-568824/12	100.0	312.050494	25.0	225609.0	3.120505	Y



Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

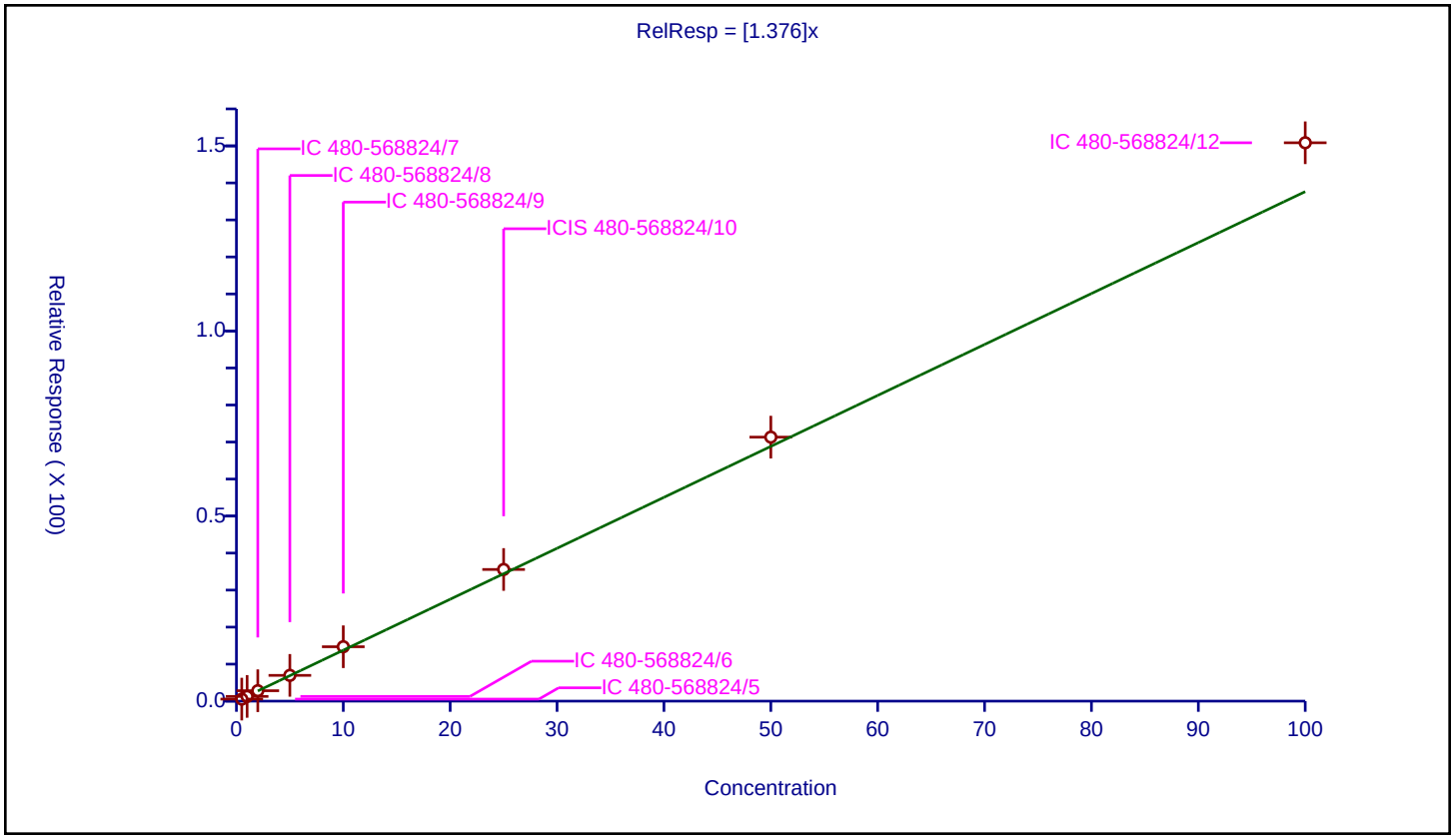
Curve Coefficients

Intercept:	0
Slope:	1.376

Error Coefficients

Standard Error:	576000
Relative Standard Error:	9.4
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.551943	25.0	205275.0	1.103885	Y
2	IC 480-568824/6	1.0	1.277492	25.0	190647.0	1.277492	Y
3	IC 480-568824/7	2.0	2.820324	25.0	199587.0	1.410162	Y
4	IC 480-568824/8	5.0	6.962905	25.0	206444.0	1.392581	Y
5	IC 480-568824/9	10.0	14.698105	25.0	201179.0	1.46981	Y
6	ICIS 480-568824/10	25.0	35.57022	25.0	208858.0	1.422809	Y
7	IC 480-568824/11	50.0	71.323265	25.0	211424.0	1.426465	Y
8	IC 480-568824/12	100.0	150.849257	25.0	225609.0	1.508493	Y



Calibration / Methylcyclohexane

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

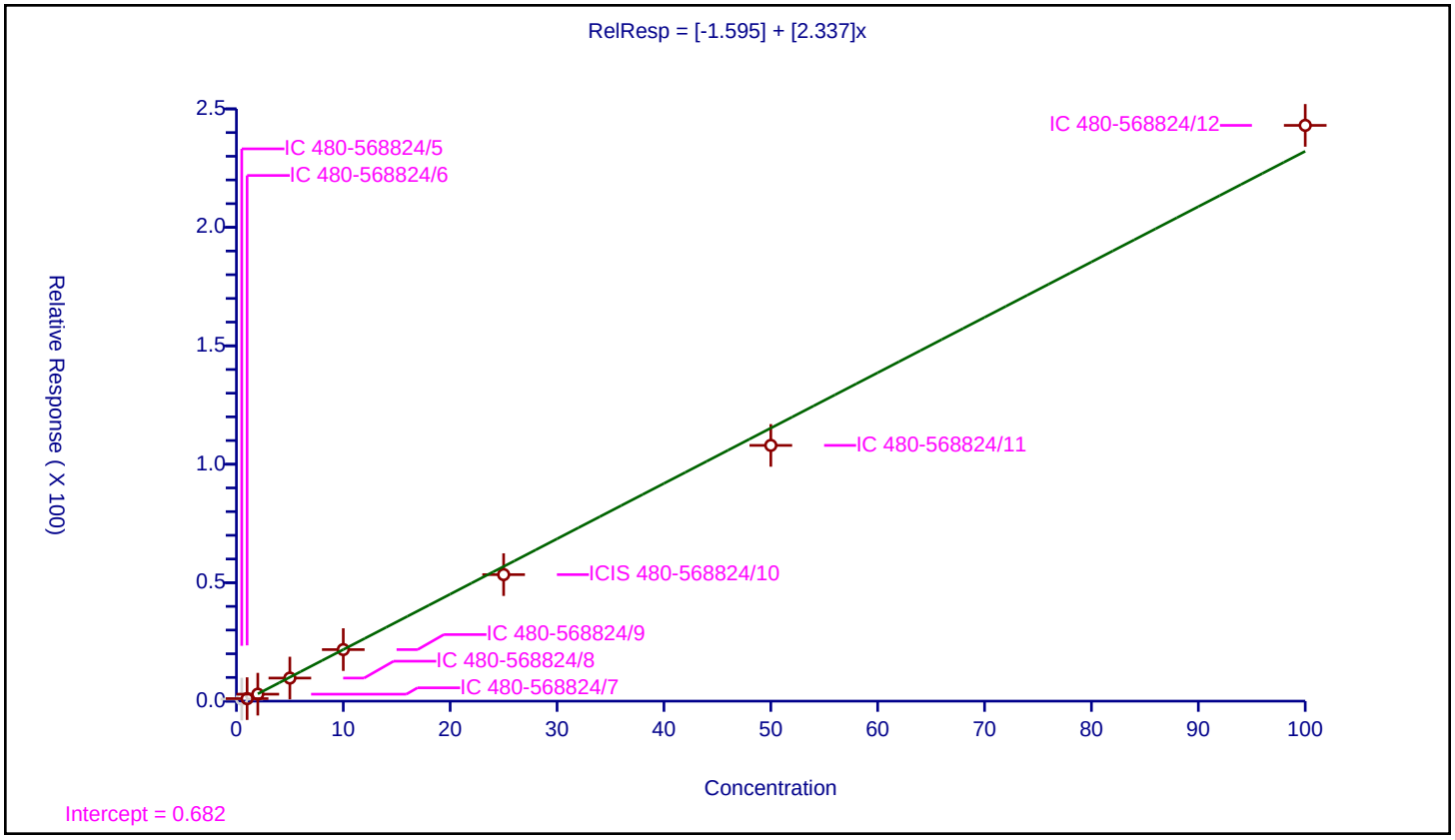
Curve Coefficients

Intercept:	-1.595
Slope:	2.337

Error Coefficients

Standard Error:	1080000
Relative Standard Error:	7.7
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.876751	25.0	205275.0	1.753501	N
2	IC 480-568824/6	1.0	1.057189	25.0	190647.0	1.057189	Y
3	IC 480-568824/7	2.0	2.94195	25.0	199587.0	1.470975	Y
4	IC 480-568824/8	5.0	9.736781	25.0	206444.0	1.947356	Y
5	IC 480-568824/9	10.0	21.759105	25.0	201179.0	2.175911	Y
6	ICIS 480-568824/10	25.0	53.404706	25.0	208858.0	2.136188	Y
7	IC 480-568824/11	50.0	107.957942	25.0	211424.0	2.159159	Y
8	IC 480-568824/12	100.0	243.041612	25.0	225609.0	2.430416	Y



Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

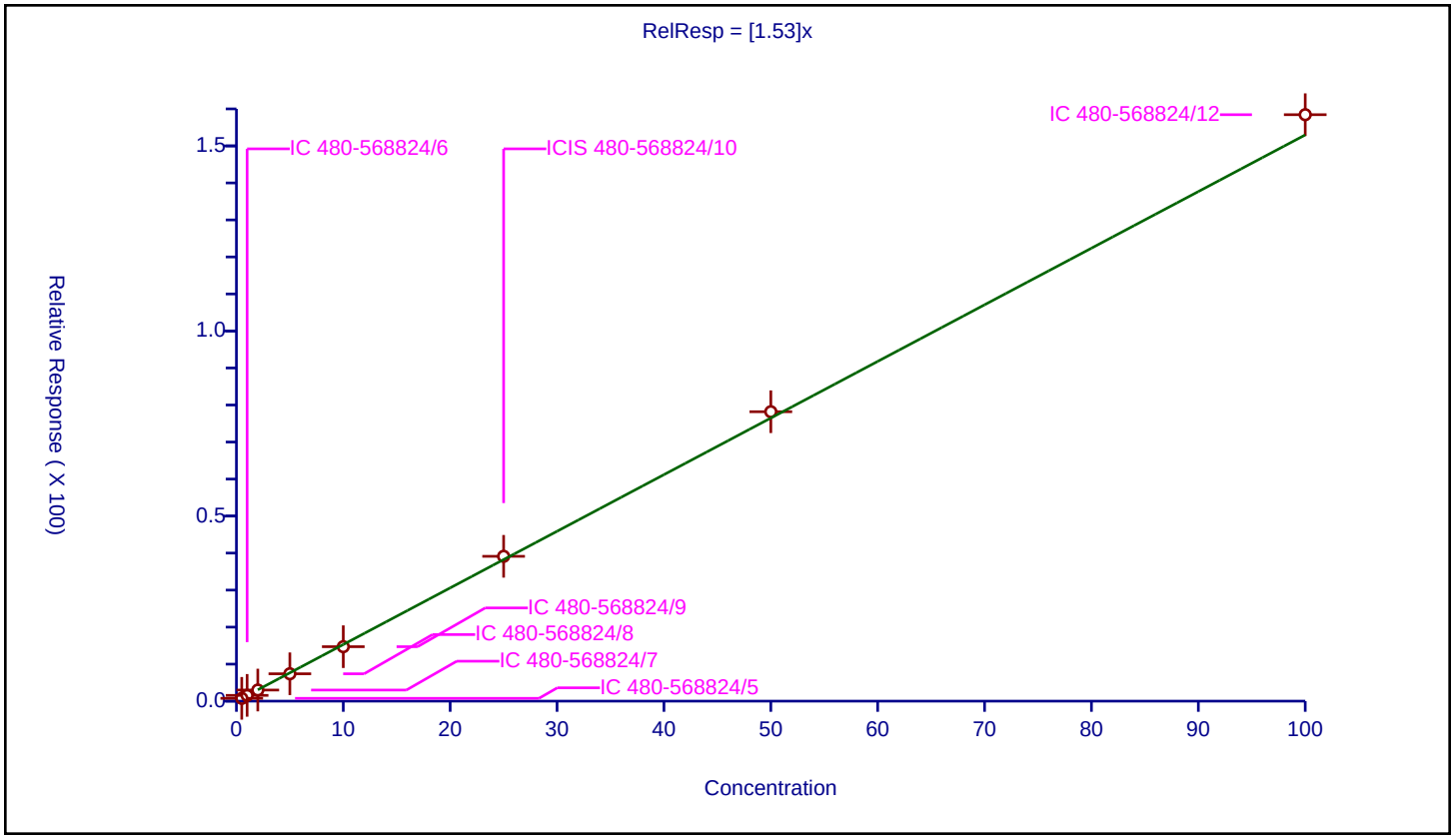
Curve Coefficients

Intercept:	0
Slope:	1.53

Error Coefficients

Standard Error:	610000
Relative Standard Error:	2.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.758373	25.0	205275.0	1.516746	Y
2	IC 480-568824/6	1.0	1.560476	25.0	190647.0	1.560476	Y
3	IC 480-568824/7	2.0	2.994809	25.0	199587.0	1.497405	Y
4	IC 480-568824/8	5.0	7.393773	25.0	206444.0	1.478755	Y
5	IC 480-568824/9	10.0	14.707549	25.0	201179.0	1.470755	Y
6	ICIS 480-568824/10	25.0	39.121915	25.0	208858.0	1.564877	Y
7	IC 480-568824/11	50.0	78.189444	25.0	211424.0	1.563789	Y
8	IC 480-568824/12	100.0	158.433285	25.0	225609.0	1.584333	Y



Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

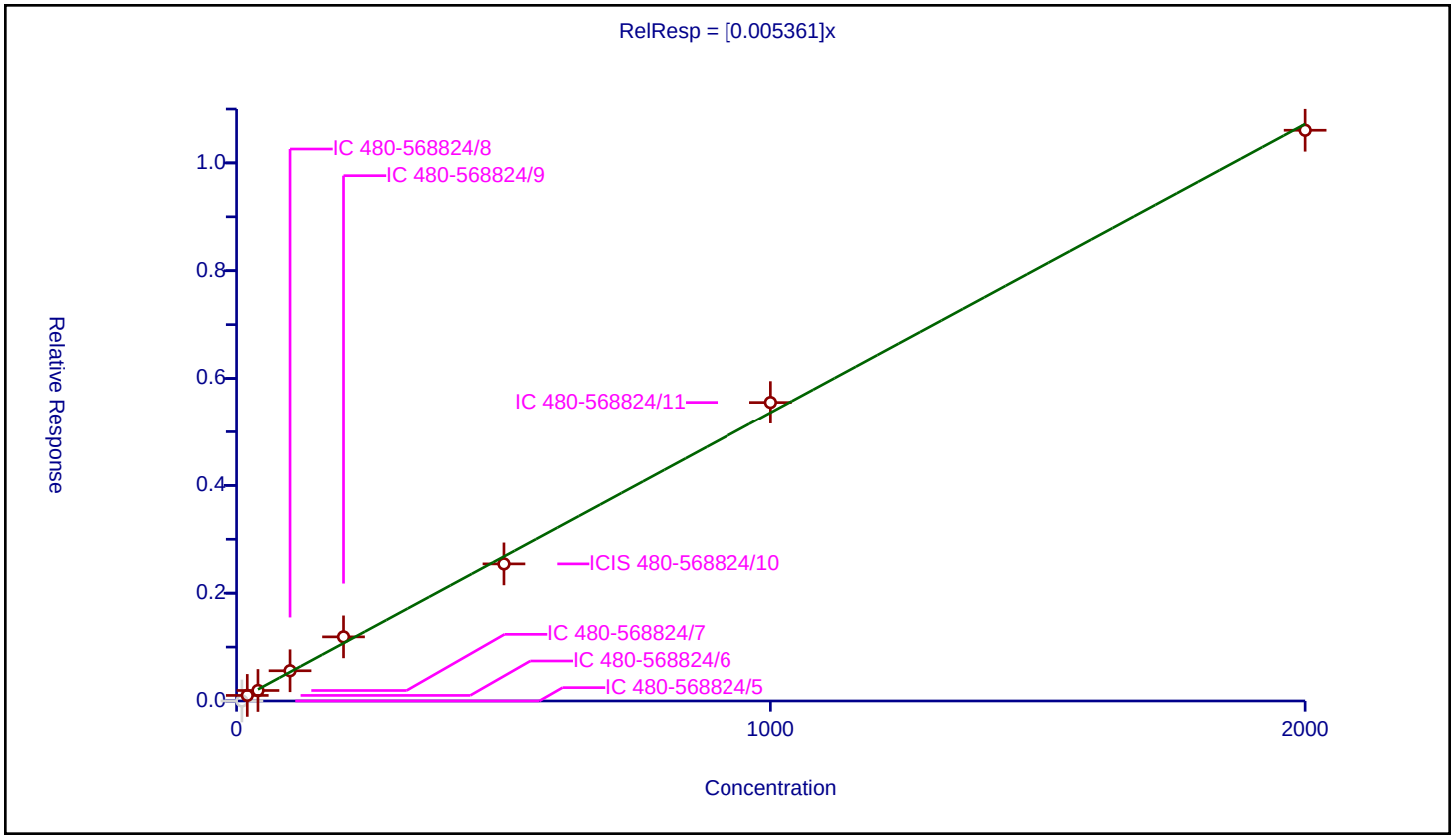
Curve Coefficients

Intercept:	0
Slope:	0.005361

Error Coefficients

Standard Error:	165000
Relative Standard Error:	6.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	10.0	0.0	25.0	712699.0	0.0	N
2	IC 480-568824/6	20.0	0.103343	25.0	670343.0	0.005167	Y
3	IC 480-568824/7	40.0	0.194498	25.0	715302.0	0.004862	Y
4	IC 480-568824/8	100.0	0.56095	25.0	751582.0	0.00561	Y
5	IC 480-568824/9	200.0	1.189381	25.0	709928.0	0.005947	Y
6	ICIS 480-568824/10	500.0	2.543212	25.0	723937.0	0.005086	Y
7	IC 480-568824/11	1000.0	5.552937	25.0	798735.0	0.005553	Y
8	IC 480-568824/12	2000.0	10.606353	25.0	832930.0	0.005303	Y



Calibration / Dibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

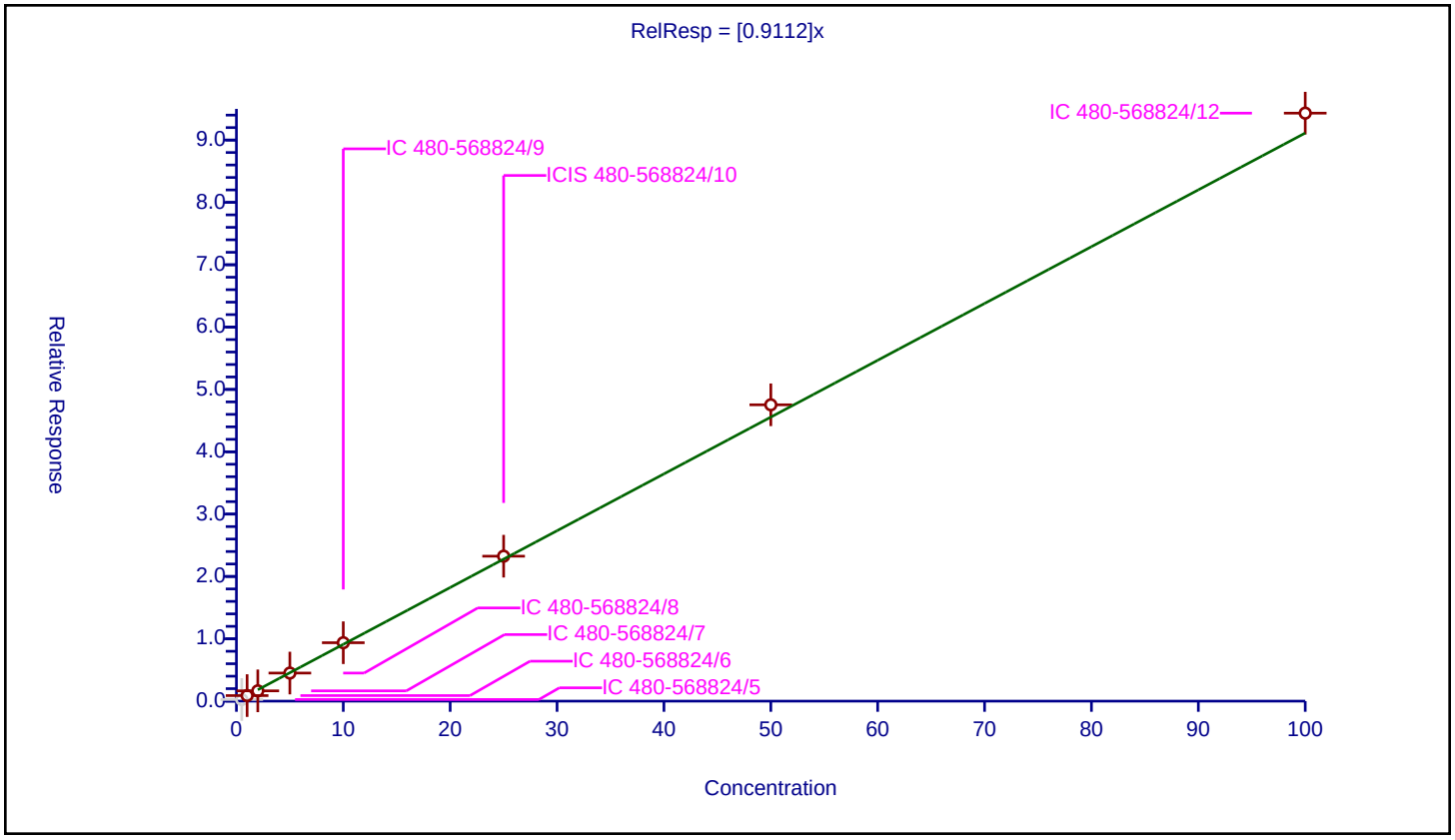
Curve Coefficients

Intercept:	0
Slope:	0.9112

Error Coefficients

Standard Error:	394000
Relative Standard Error:	4.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.261722	25.0	205275.0	0.523444	N
2	IC 480-568824/6	1.0	0.890651	25.0	190647.0	0.890651	Y
3	IC 480-568824/7	2.0	1.652036	25.0	199587.0	0.826018	Y
4	IC 480-568824/8	5.0	4.50558	25.0	206444.0	0.901116	Y
5	IC 480-568824/9	10.0	9.369268	25.0	201179.0	0.936927	Y
6	ICIS 480-568824/10	25.0	23.251803	25.0	208858.0	0.930072	Y
7	IC 480-568824/11	50.0	47.535166	25.0	211424.0	0.950703	Y
8	IC 480-568824/12	100.0	94.315276	25.0	225609.0	0.943153	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

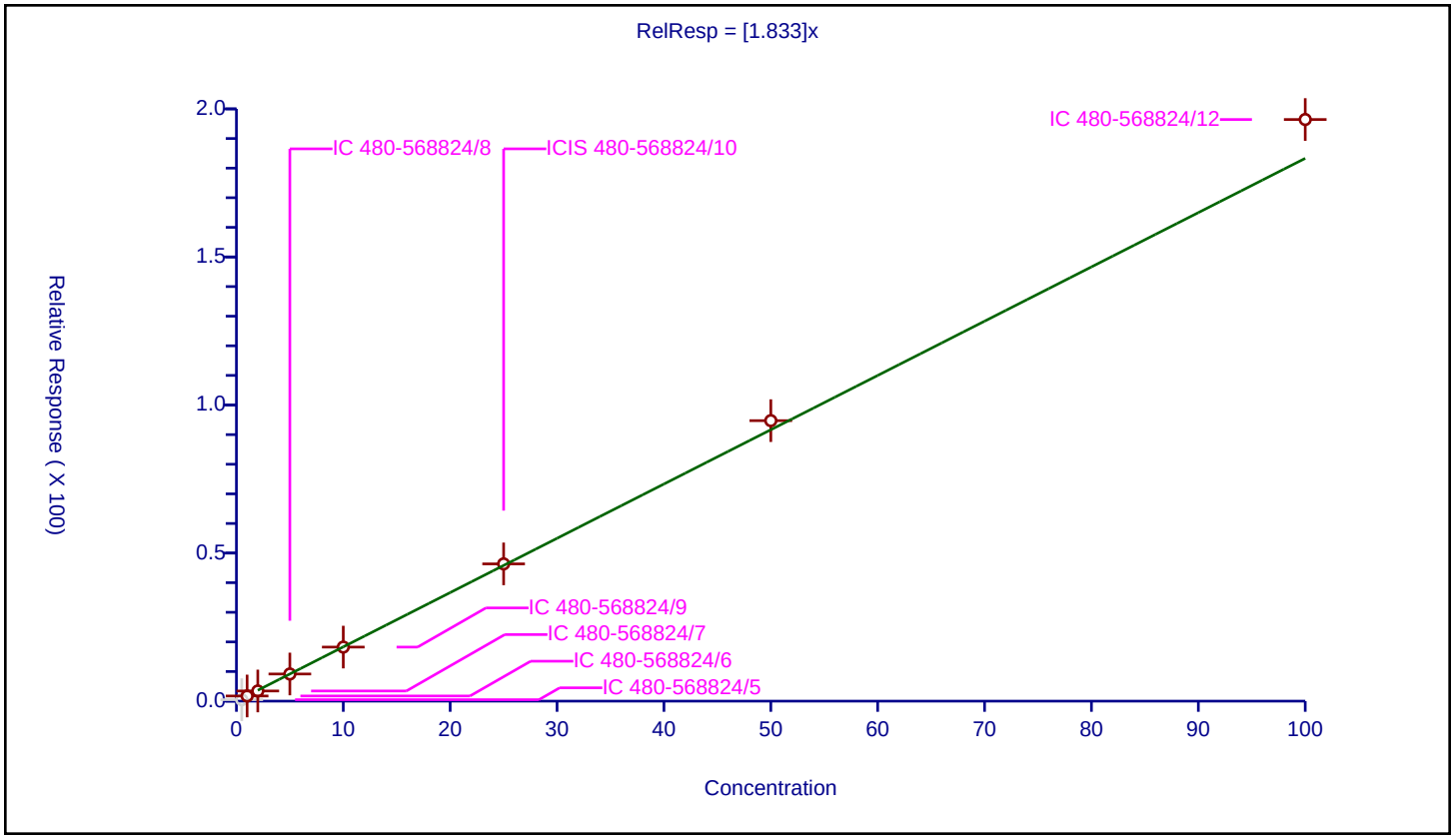
Curve Coefficients

Intercept:	0
Slope:	1.833

Error Coefficients

Standard Error:	812000
Relative Standard Error:	4.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.491779	25.0	205275.0	0.983559	N
2	IC 480-568824/6	1.0	1.74275	25.0	190647.0	1.74275	Y
3	IC 480-568824/7	2.0	3.431461	25.0	199587.0	1.71573	Y
4	IC 480-568824/8	5.0	9.172463	25.0	206444.0	1.834493	Y
5	IC 480-568824/9	10.0	18.251781	25.0	201179.0	1.825178	Y
6	ICIS 480-568824/10	25.0	46.355059	25.0	208858.0	1.854202	Y
7	IC 480-568824/11	50.0	94.723163	25.0	211424.0	1.894463	Y
8	IC 480-568824/12	100.0	196.409053	25.0	225609.0	1.964091	Y



Calibration / 2-Chloroethyl vinyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

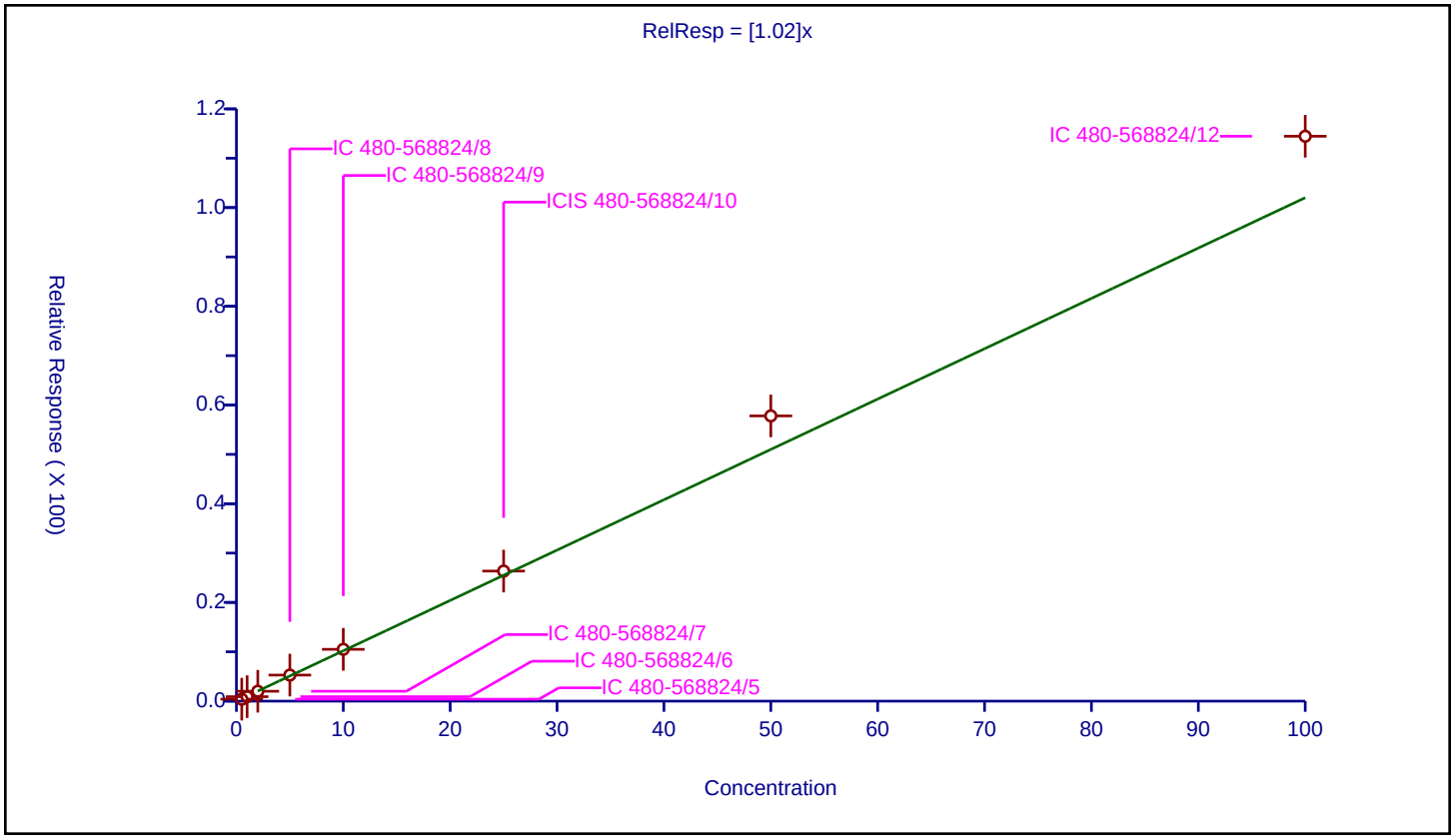
Curve Coefficients

Intercept:	0
Slope:	1.02

Error Coefficients

Standard Error:	441000
Relative Standard Error:	11.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.395445	25.0	205275.0	0.79089	Y
2	IC 480-568824/6	1.0	0.905863	25.0	190647.0	0.905863	Y
3	IC 480-568824/7	2.0	2.005767	25.0	199587.0	1.002883	Y
4	IC 480-568824/8	5.0	5.280367	25.0	206444.0	1.056073	Y
5	IC 480-568824/9	10.0	10.500723	25.0	201179.0	1.050072	Y
6	ICIS 480-568824/10	25.0	26.352594	25.0	208858.0	1.054104	Y
7	IC 480-568824/11	50.0	57.792989	25.0	211424.0	1.15586	Y
8	IC 480-568824/12	100.0	114.457757	25.0	225609.0	1.144578	Y



Calibration / cis-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

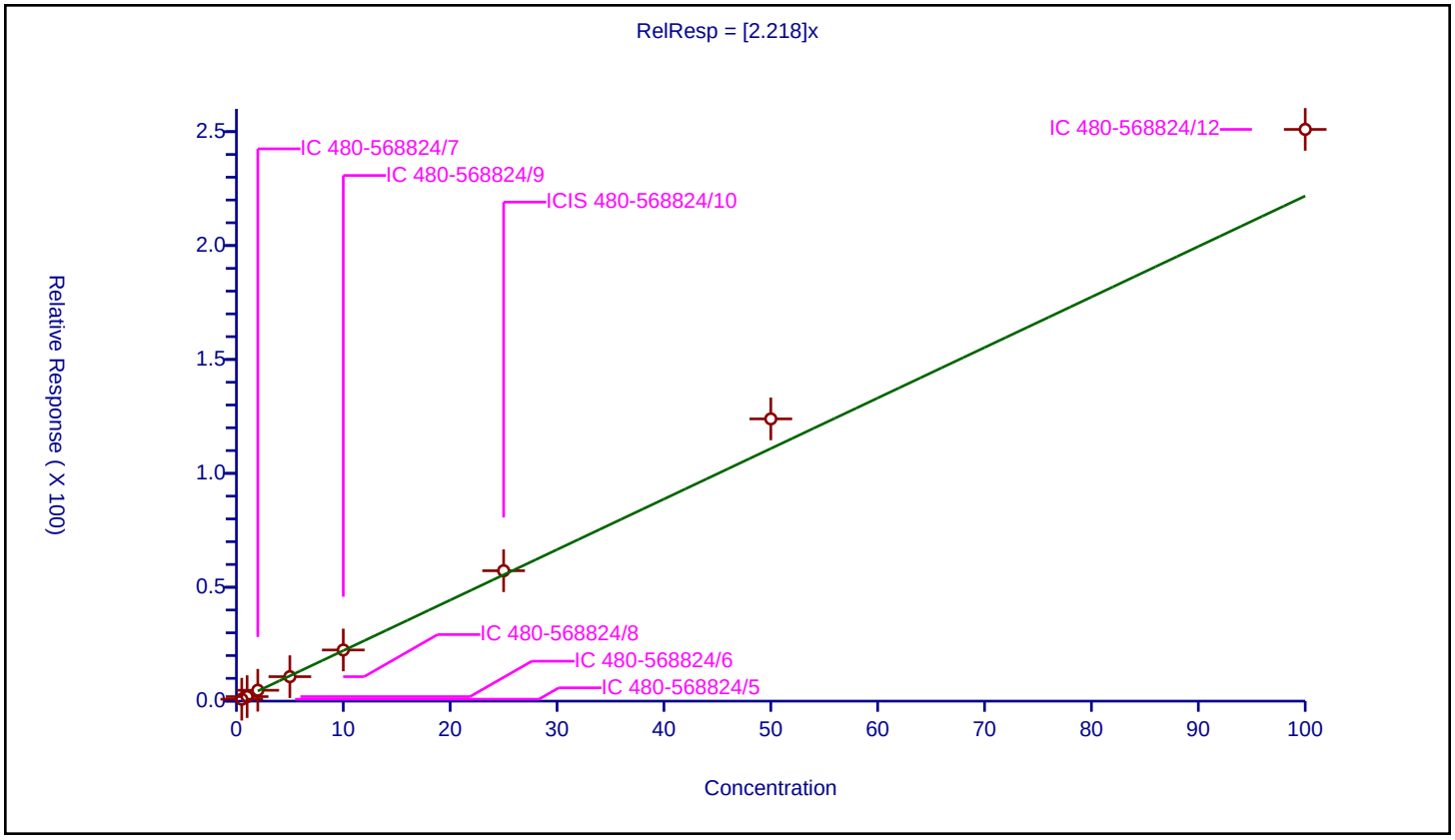
Curve Coefficients

Intercept:	0
Slope:	2.218

Error Coefficients

Standard Error:	963000
Relative Standard Error:	12.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.849836	25.0	205275.0	1.699671	Y
2	IC 480-568824/6	1.0	1.980493	25.0	190647.0	1.980493	Y
3	IC 480-568824/7	2.0	4.776113	25.0	199587.0	2.388056	Y
4	IC 480-568824/8	5.0	10.745045	25.0	206444.0	2.149009	Y
5	IC 480-568824/9	10.0	22.459476	25.0	201179.0	2.245948	Y
6	ICIS 480-568824/10	25.0	57.256485	25.0	208858.0	2.290259	Y
7	IC 480-568824/11	50.0	123.911193	25.0	211424.0	2.478224	Y
8	IC 480-568824/12	100.0	250.992203	25.0	225609.0	2.509922	Y



Calibration / 4-Methyl-2-pentanone (MIBK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

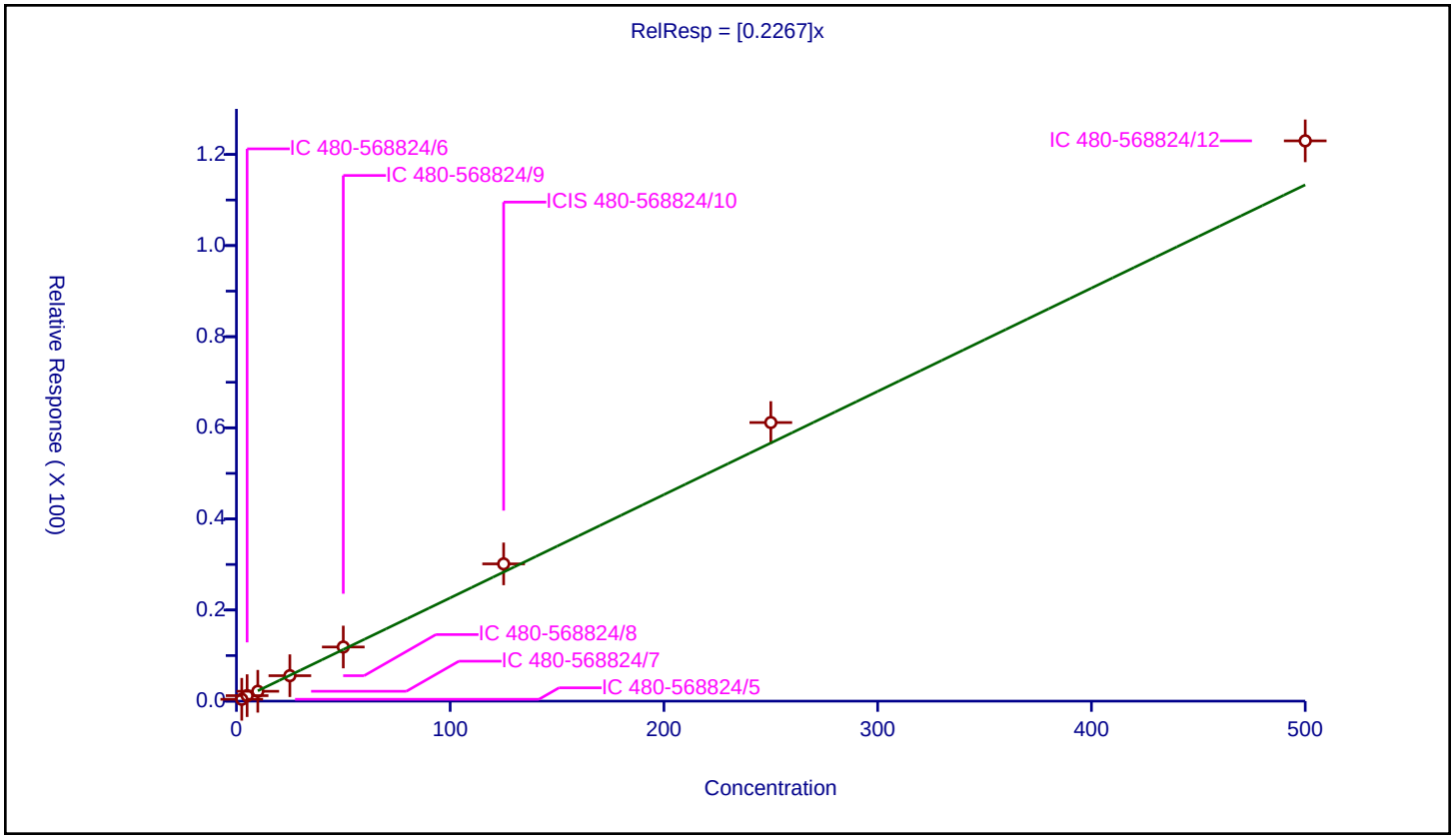
Curve Coefficients

Intercept:	0
Slope:	0.2267

Error Coefficients

Standard Error:	1750000
Relative Standard Error:	12.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	2.5	0.40736	25.0	712699.0	0.162944	Y
2	IC 480-568824/6	5.0	1.204906	25.0	670343.0	0.240981	Y
3	IC 480-568824/7	10.0	2.164645	25.0	715302.0	0.216465	Y
4	IC 480-568824/8	25.0	5.588213	25.0	751582.0	0.223529	Y
5	IC 480-568824/9	50.0	11.883142	25.0	709928.0	0.237663	Y
6	ICIS 480-568824/10	125.0	30.128381	25.0	723937.0	0.241027	Y
7	IC 480-568824/11	250.0	61.156015	25.0	798735.0	0.244624	Y
8	IC 480-568824/12	500.0	122.987136	25.0	832930.0	0.245974	Y



Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

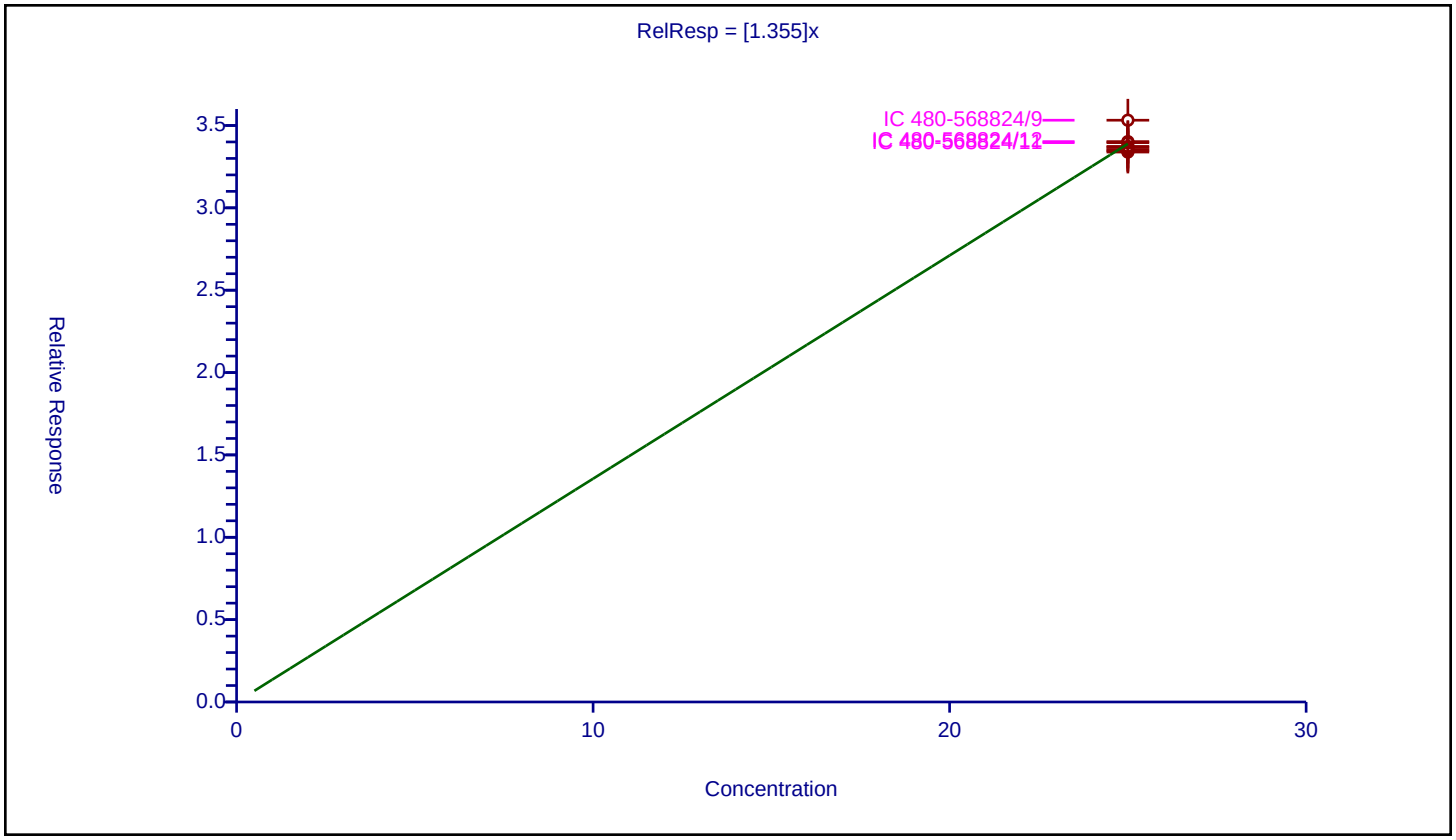
Curve Coefficients

Intercept:	0
Slope:	1.355

Error Coefficients

Standard Error:	1070000
Relative Standard Error:	1.8
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	25.0	33.386324	25.0	712699.0	1.335453	Y
2	IC 480-568824/6	25.0	33.472566	25.0	670343.0	1.338903	Y
3	IC 480-568824/7	25.0	33.728656	25.0	715302.0	1.349146	Y
4	IC 480-568824/8	25.0	33.541051	25.0	751582.0	1.341642	Y
5	IC 480-568824/9	25.0	35.319779	25.0	709928.0	1.412791	Y
6	ICIS 480-568824/10	25.0	33.671266	25.0	723937.0	1.346851	Y
7	IC 480-568824/11	25.0	33.958165	25.0	798735.0	1.358327	Y
8	IC 480-568824/12	25.0	34.021166	25.0	832930.0	1.360847	Y



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

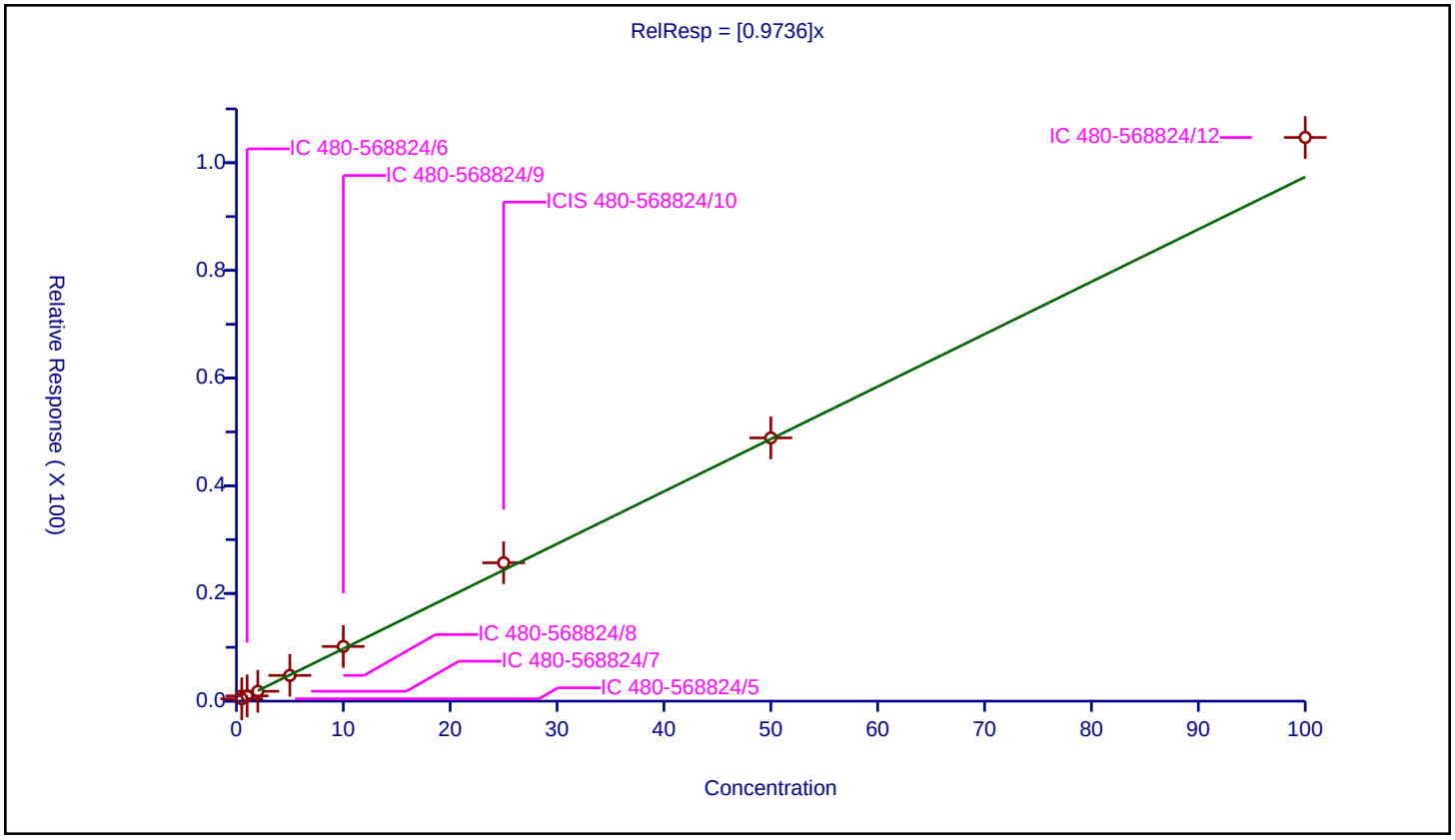
Curve Coefficients

Intercept:	0
Slope:	0.9736

Error Coefficients

Standard Error:	1480000
Relative Standard Error:	6.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.436159	25.0	712699.0	0.872318	Y
2	IC 480-568824/6	1.0	0.978156	25.0	670343.0	0.978156	Y
3	IC 480-568824/7	2.0	1.830381	25.0	715302.0	0.91519	Y
4	IC 480-568824/8	5.0	4.776758	25.0	751582.0	0.955352	Y
5	IC 480-568824/9	10.0	10.155607	25.0	709928.0	1.015561	Y
6	ICIS 480-568824/10	25.0	25.695123	25.0	723937.0	1.027805	Y
7	IC 480-568824/11	50.0	48.890214	25.0	798735.0	0.977804	Y
8	IC 480-568824/12	100.0	104.693852	25.0	832930.0	1.046939	Y



Calibration / trans-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

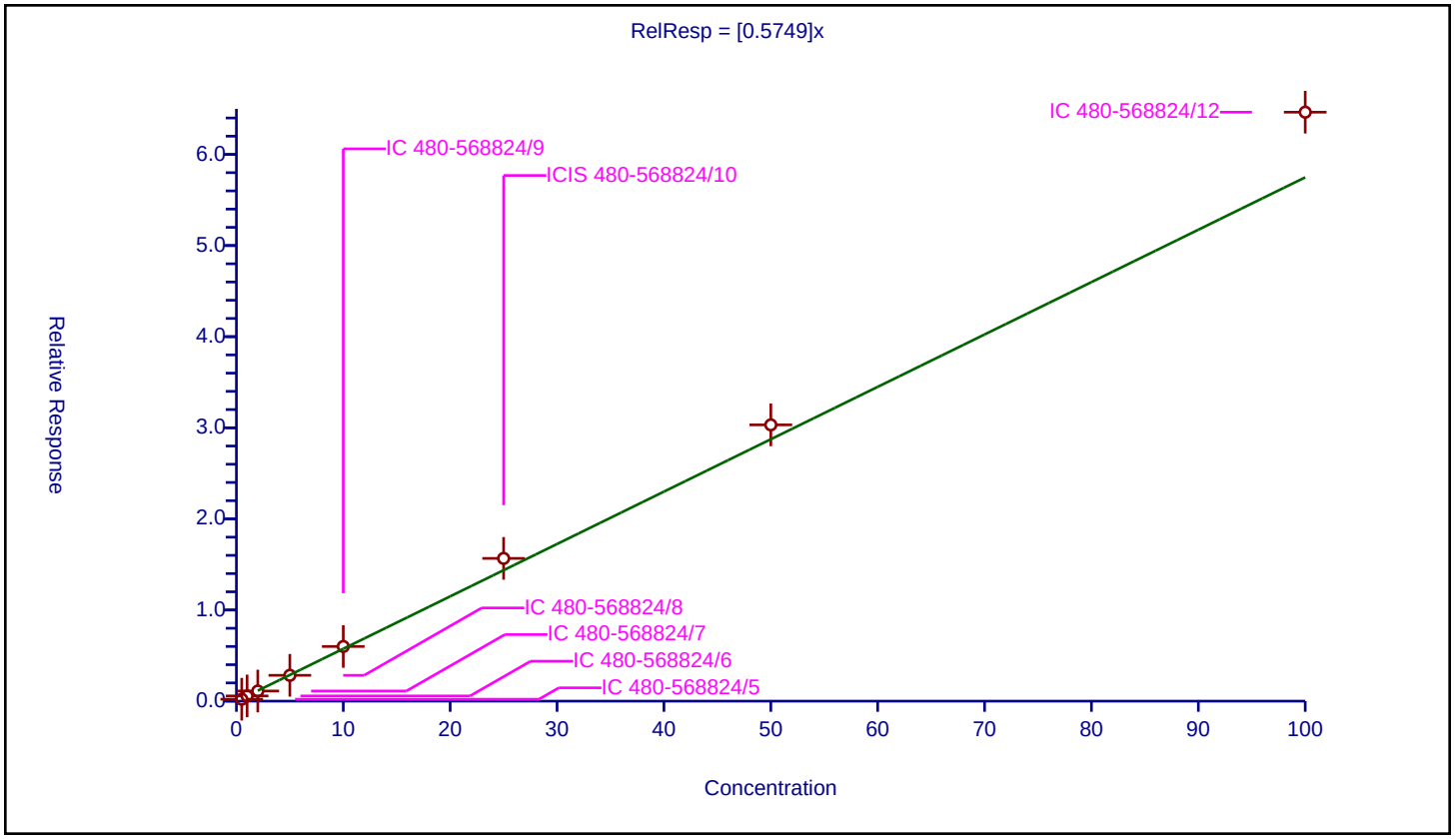
Curve Coefficients

Intercept:	0
Slope:	0.5749

Error Coefficients

Standard Error:	912000
Relative Standard Error:	11.8
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.212677	25.0	712699.0	0.425355	Y
2	IC 480-568824/6	1.0	0.571312	25.0	670343.0	0.571312	Y
3	IC 480-568824/7	2.0	1.111454	25.0	715302.0	0.555727	Y
4	IC 480-568824/8	5.0	2.835286	25.0	751582.0	0.567057	Y
5	IC 480-568824/9	10.0	5.999306	25.0	709928.0	0.599931	Y
6	ICIS 480-568824/10	25.0	15.666246	25.0	723937.0	0.62665	Y
7	IC 480-568824/11	50.0	30.322635	25.0	798735.0	0.606453	Y
8	IC 480-568824/12	100.0	64.637244	25.0	832930.0	0.646372	Y



Calibration / Ethyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

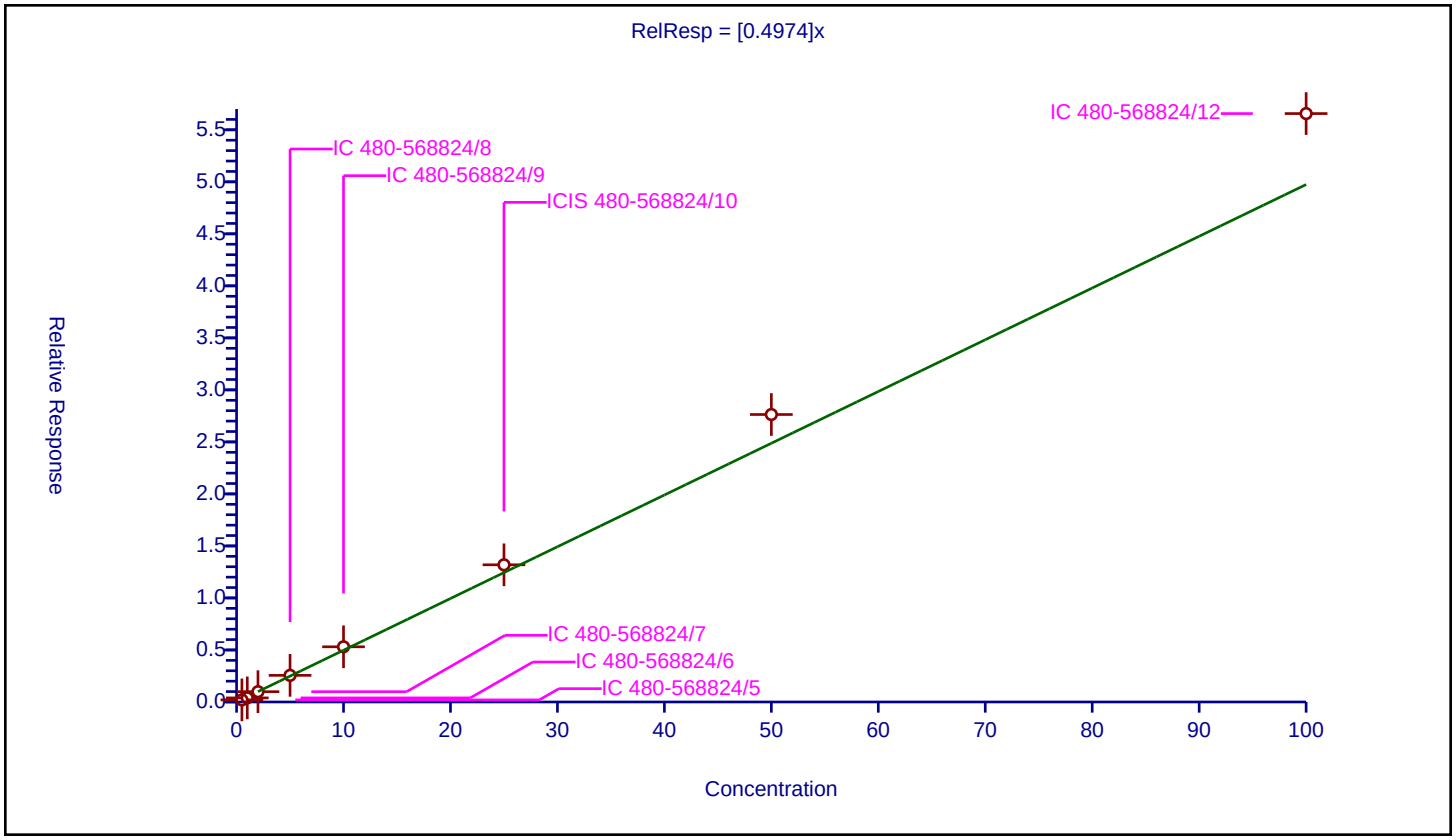
Curve Coefficients

Intercept:	0
Slope:	0.4974

Error Coefficients

Standard Error:	802000
Relative Standard Error:	13.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.20054	25.0	712699.0	0.401081	Y
2	IC 480-568824/6	1.0	0.394388	25.0	670343.0	0.394388	Y
3	IC 480-568824/7	2.0	0.991015	25.0	715302.0	0.495507	Y
4	IC 480-568824/8	5.0	2.560532	25.0	751582.0	0.512106	Y
5	IC 480-568824/9	10.0	5.304446	25.0	709928.0	0.530445	Y
6	ICIS 480-568824/10	25.0	13.186852	25.0	723937.0	0.527474	Y
7	IC 480-568824/11	50.0	27.63476	25.0	798735.0	0.552695	Y
8	IC 480-568824/12	100.0	56.562406	25.0	832930.0	0.565624	Y



Calibration / 1,1,2-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

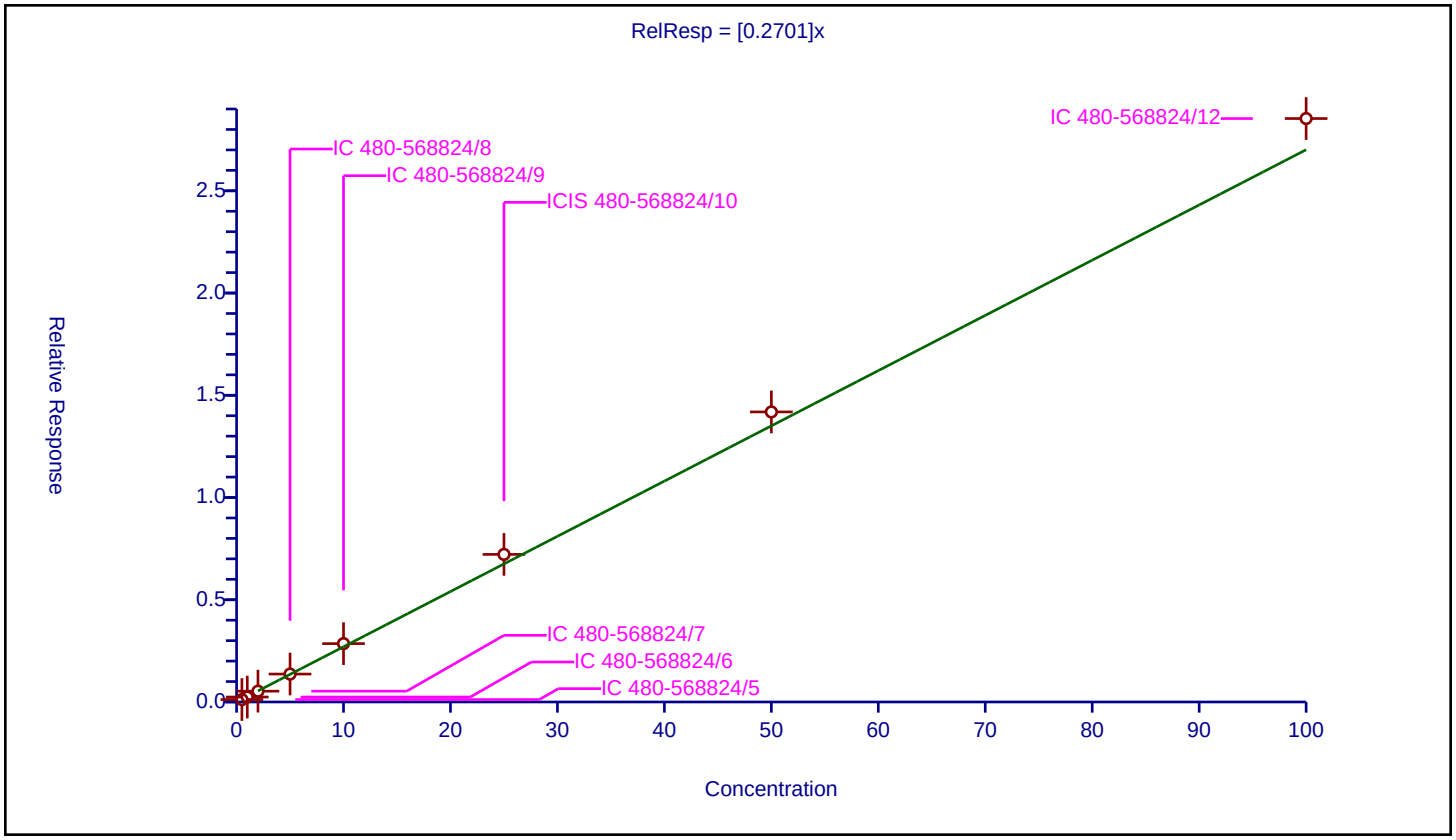
Curve Coefficients

Intercept:	0
Slope:	0.2701

Error Coefficients

Standard Error:	407000
Relative Standard Error:	7.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.118774	25.0	712699.0	0.237548	Y
2	IC 480-568824/6	1.0	0.241891	25.0	670343.0	0.241891	Y
3	IC 480-568824/7	2.0	0.529427	25.0	715302.0	0.264713	Y
4	IC 480-568824/8	5.0	1.366584	25.0	751582.0	0.273317	Y
5	IC 480-568824/9	10.0	2.854374	25.0	709928.0	0.285437	Y
6	ICIS 480-568824/10	25.0	7.217582	25.0	723937.0	0.288703	Y
7	IC 480-568824/11	50.0	14.185619	25.0	798735.0	0.283712	Y
8	IC 480-568824/12	100.0	28.534391	25.0	832930.0	0.285344	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

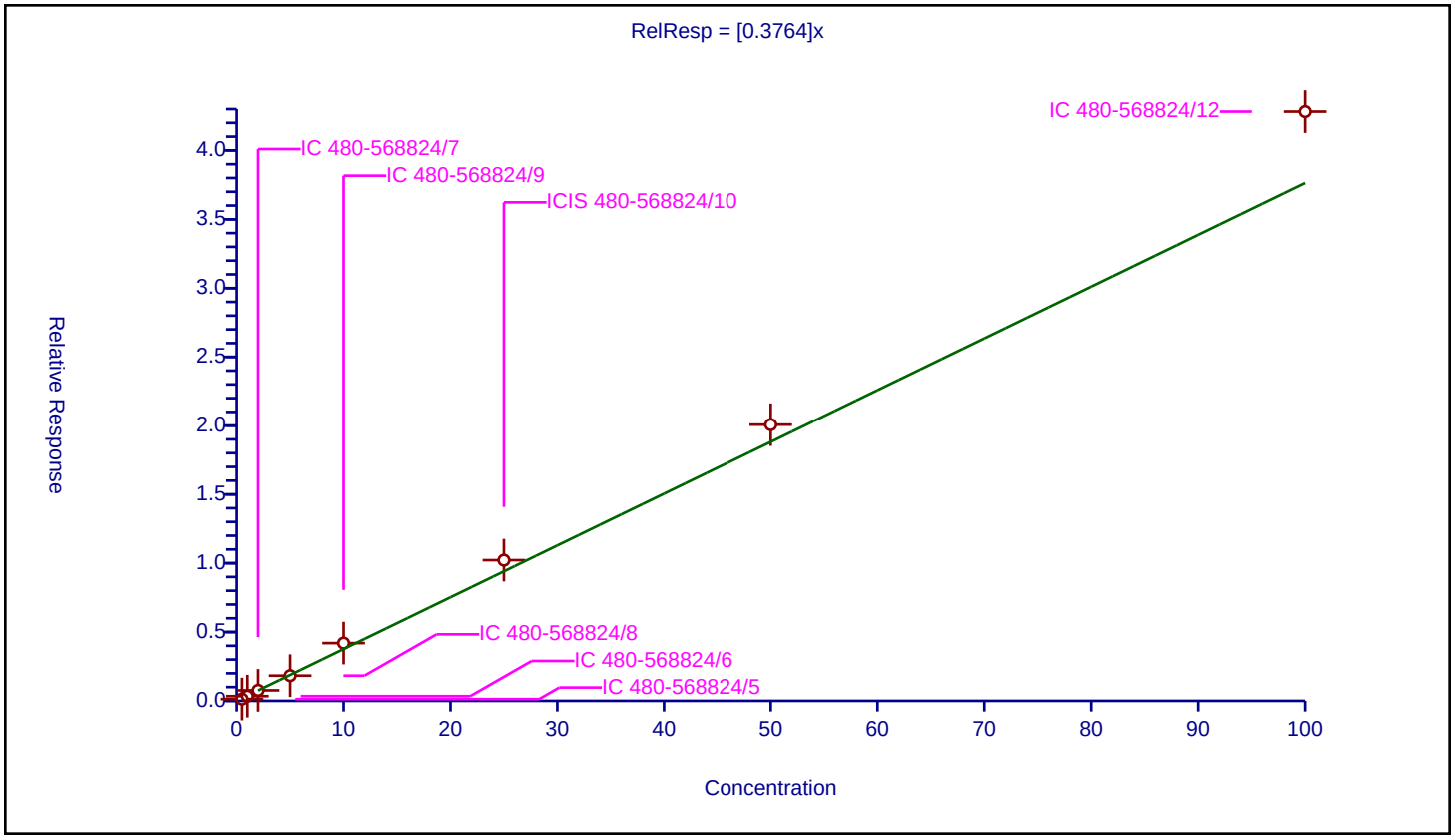
Curve Coefficients

Intercept:	0
Slope:	0.3764

Error Coefficients

Standard Error:	604000
Relative Standard Error:	14.4
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.130946	25.0	712699.0	0.261892	Y
2	IC 480-568824/6	1.0	0.342735	25.0	670343.0	0.342735	Y
3	IC 480-568824/7	2.0	0.763314	25.0	715302.0	0.381657	Y
4	IC 480-568824/8	5.0	1.830938	25.0	751582.0	0.366188	Y
5	IC 480-568824/9	10.0	4.197785	25.0	709928.0	0.419778	Y
6	ICIS 480-568824/10	25.0	10.223334	25.0	723937.0	0.408933	Y
7	IC 480-568824/11	50.0	20.072897	25.0	798735.0	0.401458	Y
8	IC 480-568824/12	100.0	42.818694	25.0	832930.0	0.428187	Y



Calibration / 1,3-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

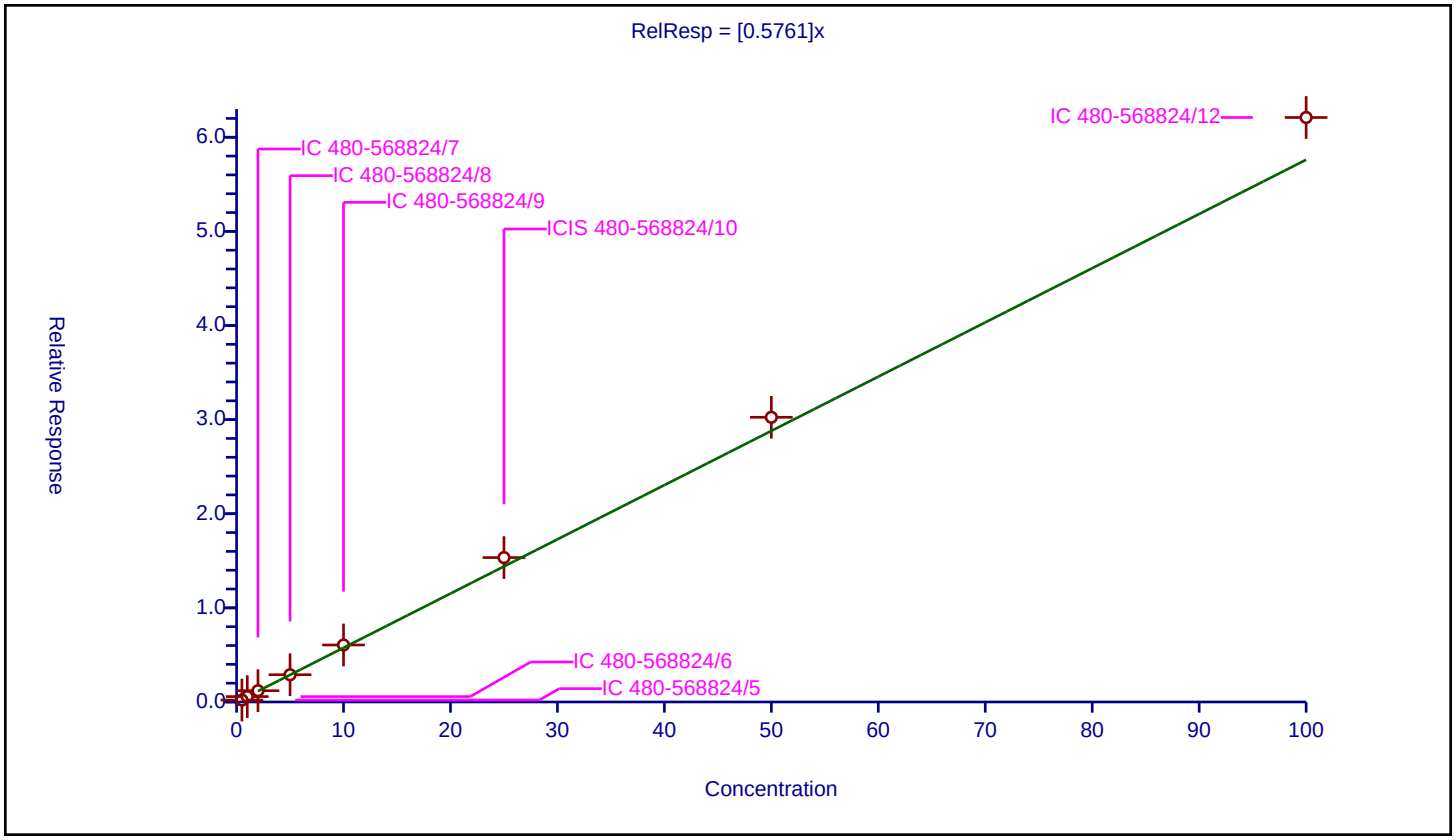
Curve Coefficients

Intercept:	0
Slope:	0.5761

Error Coefficients

Standard Error:	882000
Relative Standard Error:	11.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.205662	25.0	712699.0	0.411324	Y
2	IC 480-568824/6	1.0	0.573065	25.0	670343.0	0.573065	Y
3	IC 480-568824/7	2.0	1.199633	25.0	715302.0	0.599817	Y
4	IC 480-568824/8	5.0	2.896391	25.0	751582.0	0.579278	Y
5	IC 480-568824/9	10.0	6.054522	25.0	709928.0	0.605452	Y
6	ICIS 480-568824/10	25.0	15.342806	25.0	723937.0	0.613712	Y
7	IC 480-568824/11	50.0	30.247798	25.0	798735.0	0.604956	Y
8	IC 480-568824/12	100.0	62.097985	25.0	832930.0	0.62098	Y



Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

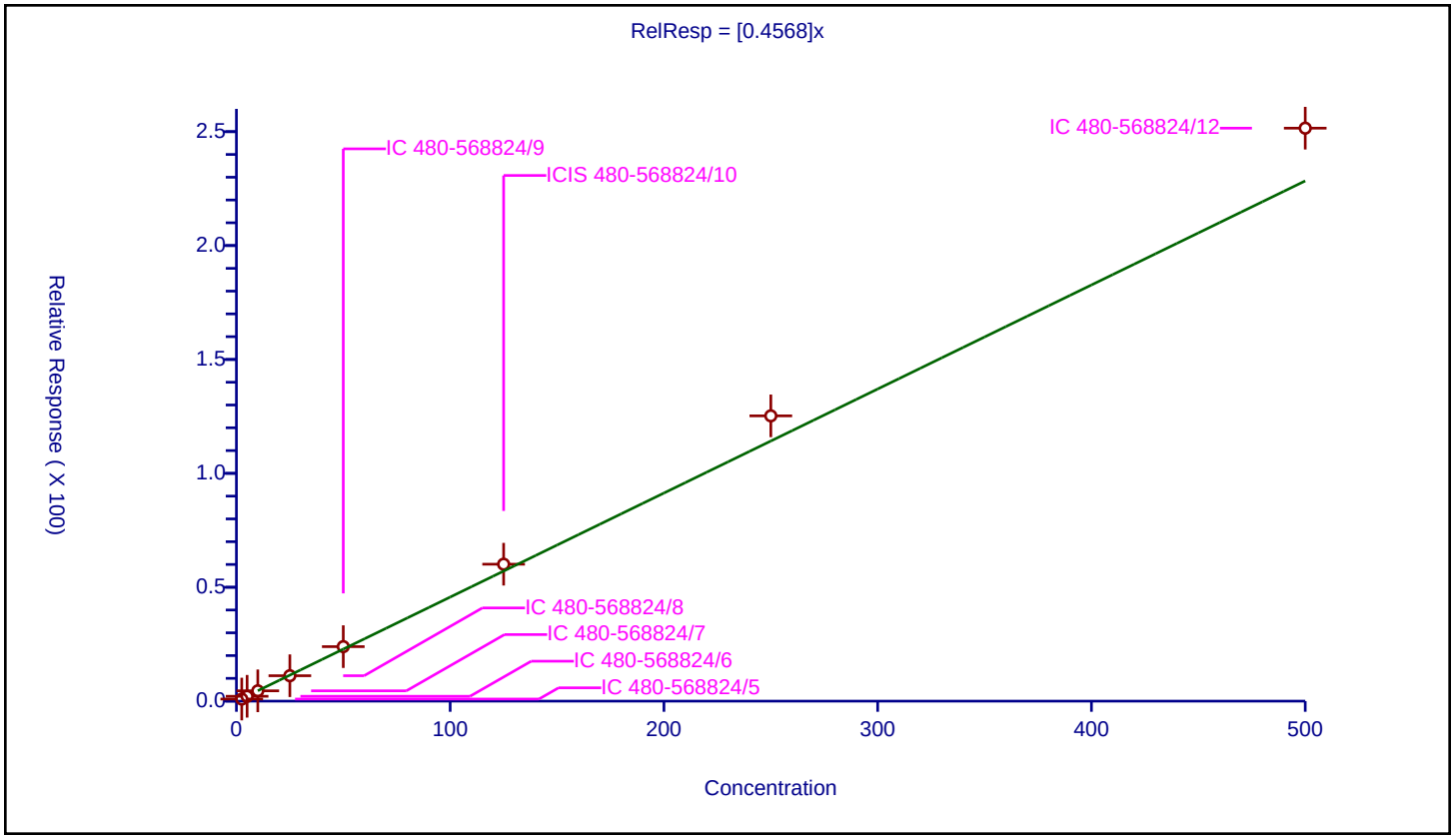
Curve Coefficients

Intercept:	0
Slope:	0.4568

Error Coefficients

Standard Error:	3580000
Relative Standard Error:	10.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	2.5	0.912272	25.0	712699.0	0.364909	Y
2	IC 480-568824/6	5.0	2.130849	25.0	670343.0	0.42617	Y
3	IC 480-568824/7	10.0	4.527214	25.0	715302.0	0.452721	Y
4	IC 480-568824/8	25.0	11.165615	25.0	751582.0	0.446625	Y
5	IC 480-568824/9	50.0	23.933906	25.0	709928.0	0.478678	Y
6	ICIS 480-568824/10	125.0	60.115038	25.0	723937.0	0.48092	Y
7	IC 480-568824/11	250.0	125.241914	25.0	798735.0	0.500968	Y
8	IC 480-568824/12	500.0	251.530231	25.0	832930.0	0.50306	Y



Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

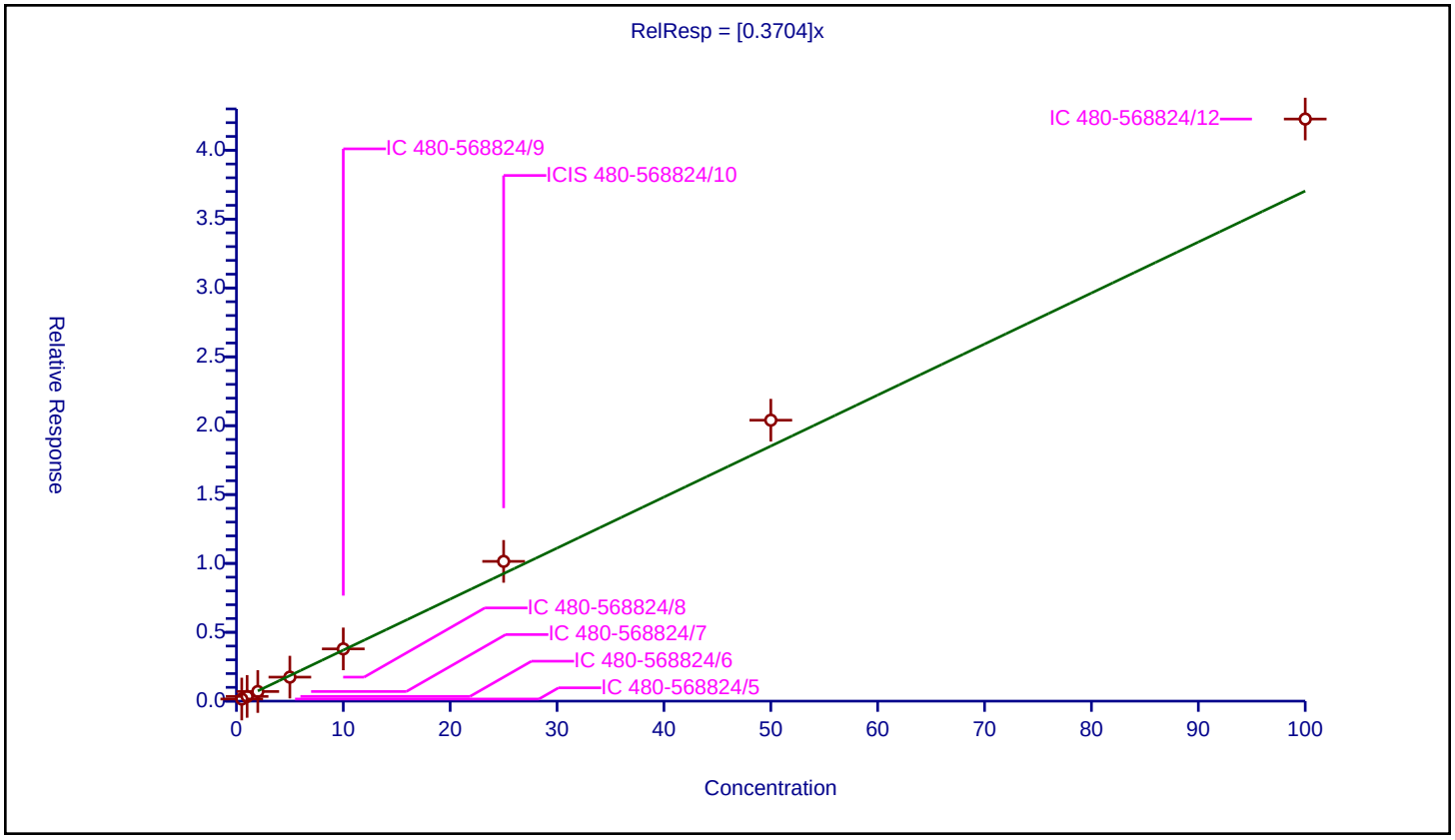
Curve Coefficients

Intercept:	0
Slope:	0.3704

Error Coefficients

Standard Error:	599000
Relative Standard Error:	10.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.153115	25.0	712699.0	0.30623	Y
2	IC 480-568824/6	1.0	0.34266	25.0	670343.0	0.34266	Y
3	IC 480-568824/7	2.0	0.69925	25.0	715302.0	0.349625	Y
4	IC 480-568824/8	5.0	1.743423	25.0	751582.0	0.348685	Y
5	IC 480-568824/9	10.0	3.793342	25.0	709928.0	0.379334	Y
6	ICIS 480-568824/10	25.0	10.146705	25.0	723937.0	0.405868	Y
7	IC 480-568824/11	50.0	20.398943	25.0	798735.0	0.407979	Y
8	IC 480-568824/12	100.0	42.262855	25.0	832930.0	0.422629	Y



Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

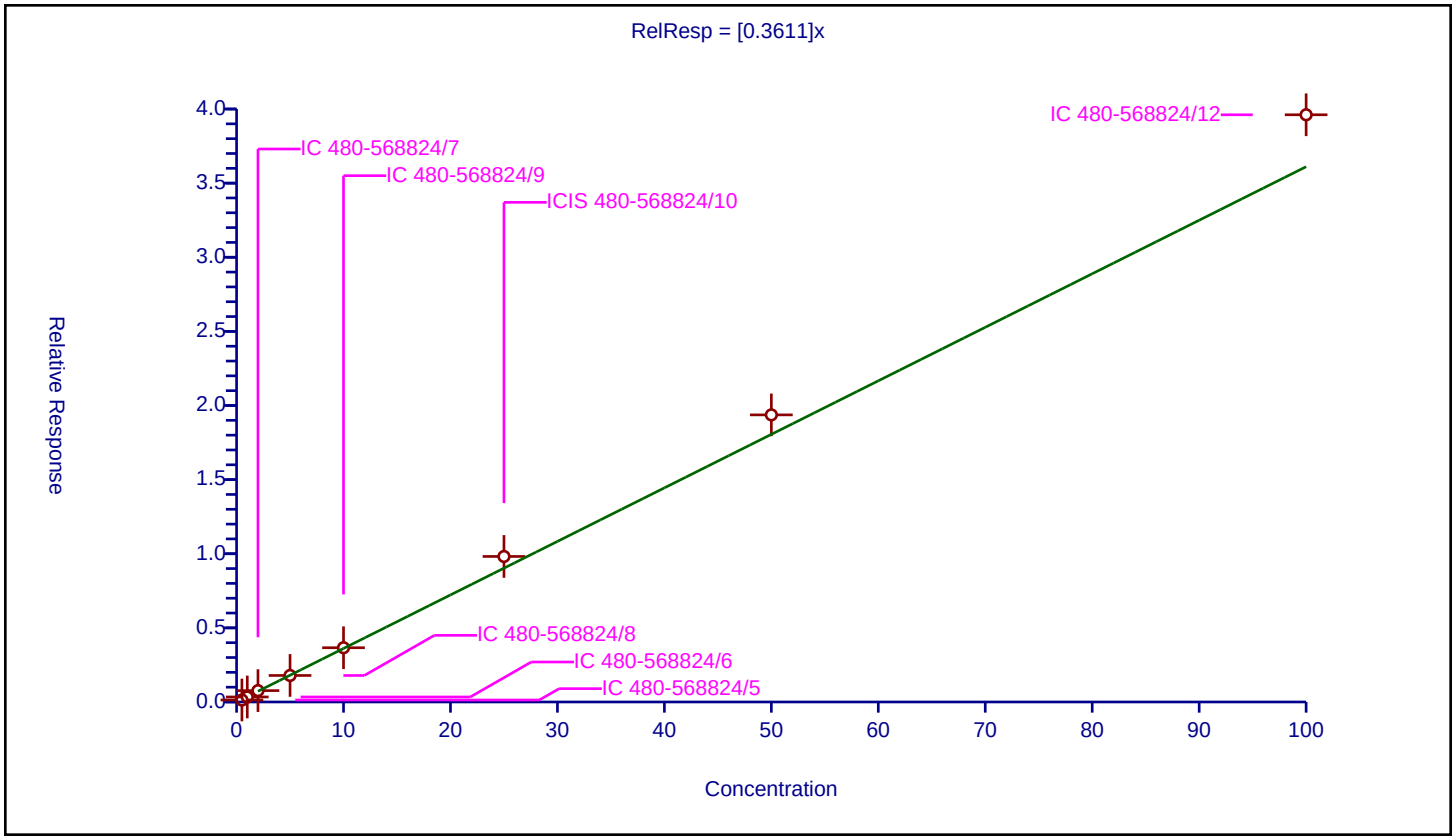
Curve Coefficients

Intercept:	0
Slope:	0.3611

Error Coefficients

Standard Error:	563000
Relative Standard Error:	11.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.133121	25.0	712699.0	0.266241	Y
2	IC 480-568824/6	1.0	0.339304	25.0	670343.0	0.339304	Y
3	IC 480-568824/7	2.0	0.766564	25.0	715302.0	0.383282	Y
4	IC 480-568824/8	5.0	1.788794	25.0	751582.0	0.357759	Y
5	IC 480-568824/9	10.0	3.659033	25.0	709928.0	0.365903	Y
6	ICIS 480-568824/10	25.0	9.816289	25.0	723937.0	0.392652	Y
7	IC 480-568824/11	50.0	19.367093	25.0	798735.0	0.387342	Y
8	IC 480-568824/12	100.0	39.610922	25.0	832930.0	0.396109	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

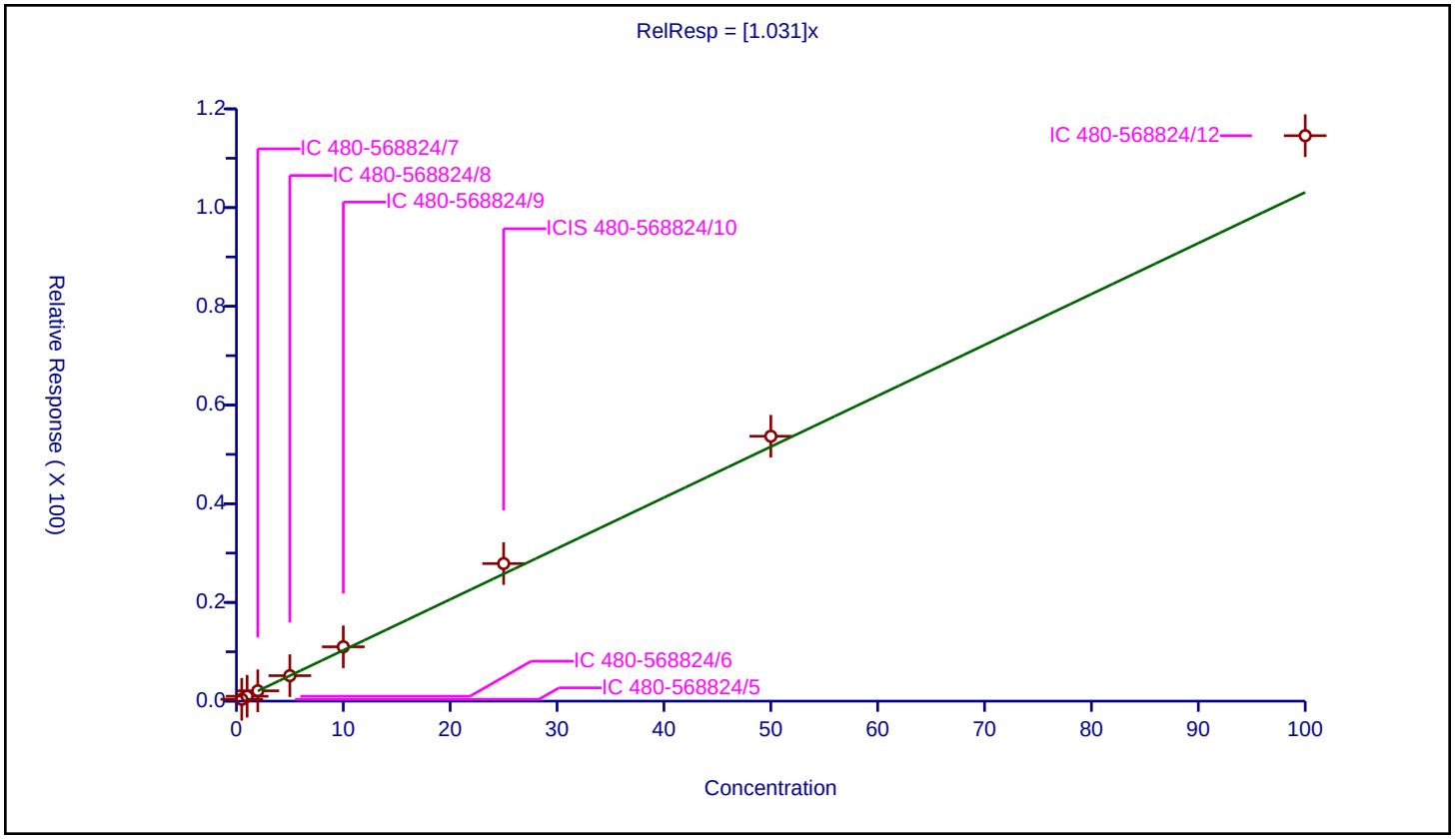
Curve Coefficients

Intercept:	0
Slope:	1.031

Error Coefficients

Standard Error:	1620000
Relative Standard Error:	12.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.367757	25.0	712699.0	0.735514	Y
2	IC 480-568824/6	1.0	0.995759	25.0	670343.0	0.995759	Y
3	IC 480-568824/7	2.0	2.097366	25.0	715302.0	1.048683	Y
4	IC 480-568824/8	5.0	5.163043	25.0	751582.0	1.032609	Y
5	IC 480-568824/9	10.0	11.013546	25.0	709928.0	1.101355	Y
6	ICIS 480-568824/10	25.0	27.86862	25.0	723937.0	1.114745	Y
7	IC 480-568824/11	50.0	53.672589	25.0	798735.0	1.073452	Y
8	IC 480-568824/12	100.0	114.572713	25.0	832930.0	1.145727	Y



Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

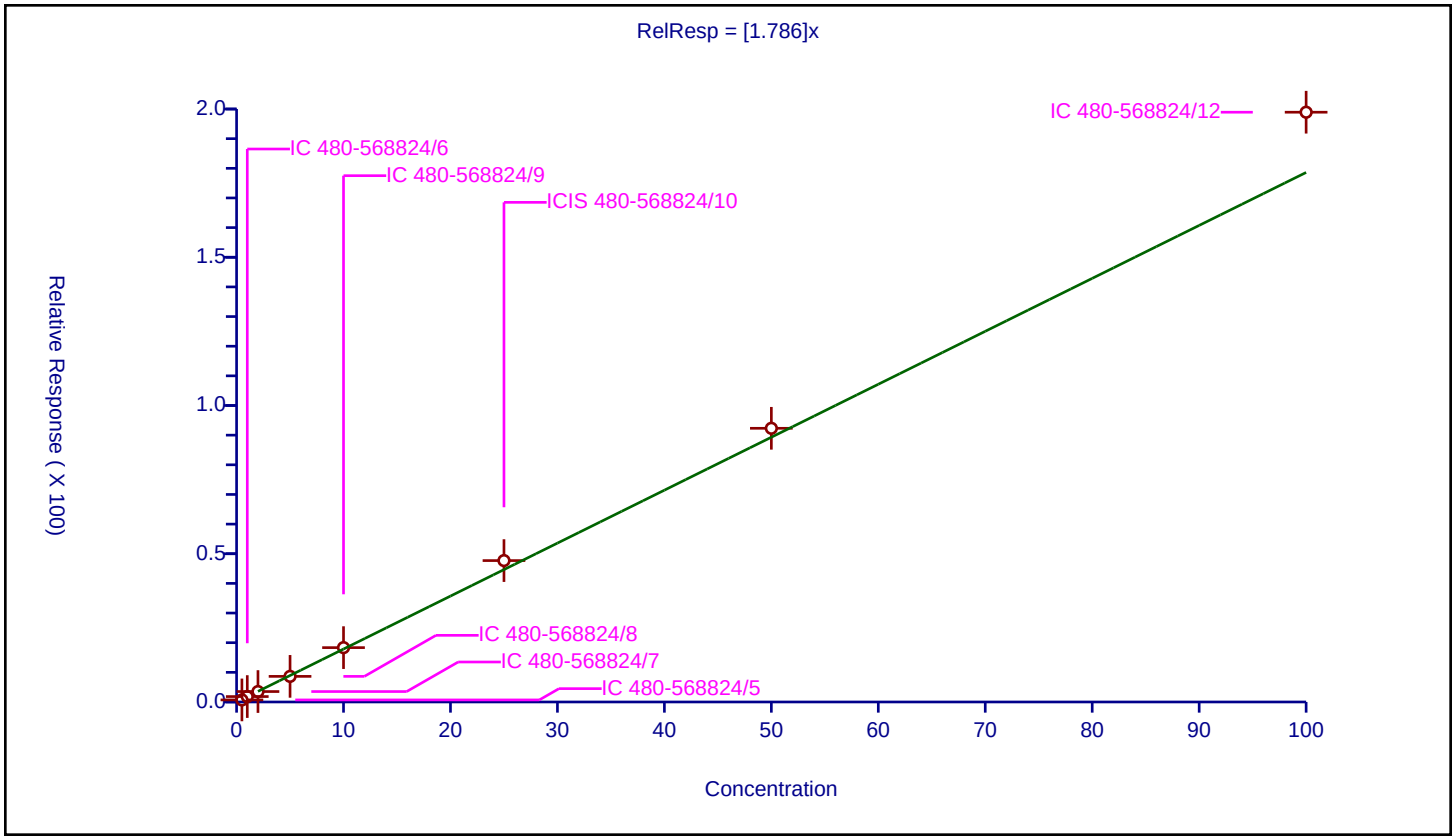
Curve Coefficients

Intercept:	0
Slope:	1.786

Error Coefficients

Standard Error:	2800000
Relative Standard Error:	10.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.695525	25.0	712699.0	1.39105	Y
2	IC 480-568824/6	1.0	1.831674	25.0	670343.0	1.831674	Y
3	IC 480-568824/7	2.0	3.523721	25.0	715302.0	1.761861	Y
4	IC 480-568824/8	5.0	8.636483	25.0	751582.0	1.727297	Y
5	IC 480-568824/9	10.0	18.330345	25.0	709928.0	1.833034	Y
6	ICIS 480-568824/10	25.0	47.693066	25.0	723937.0	1.907723	Y
7	IC 480-568824/11	50.0	92.31056	25.0	798735.0	1.846211	Y
8	IC 480-568824/12	100.0	198.920377	25.0	832930.0	1.989204	Y



Calibration / 1,1,1,2-Tetrachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

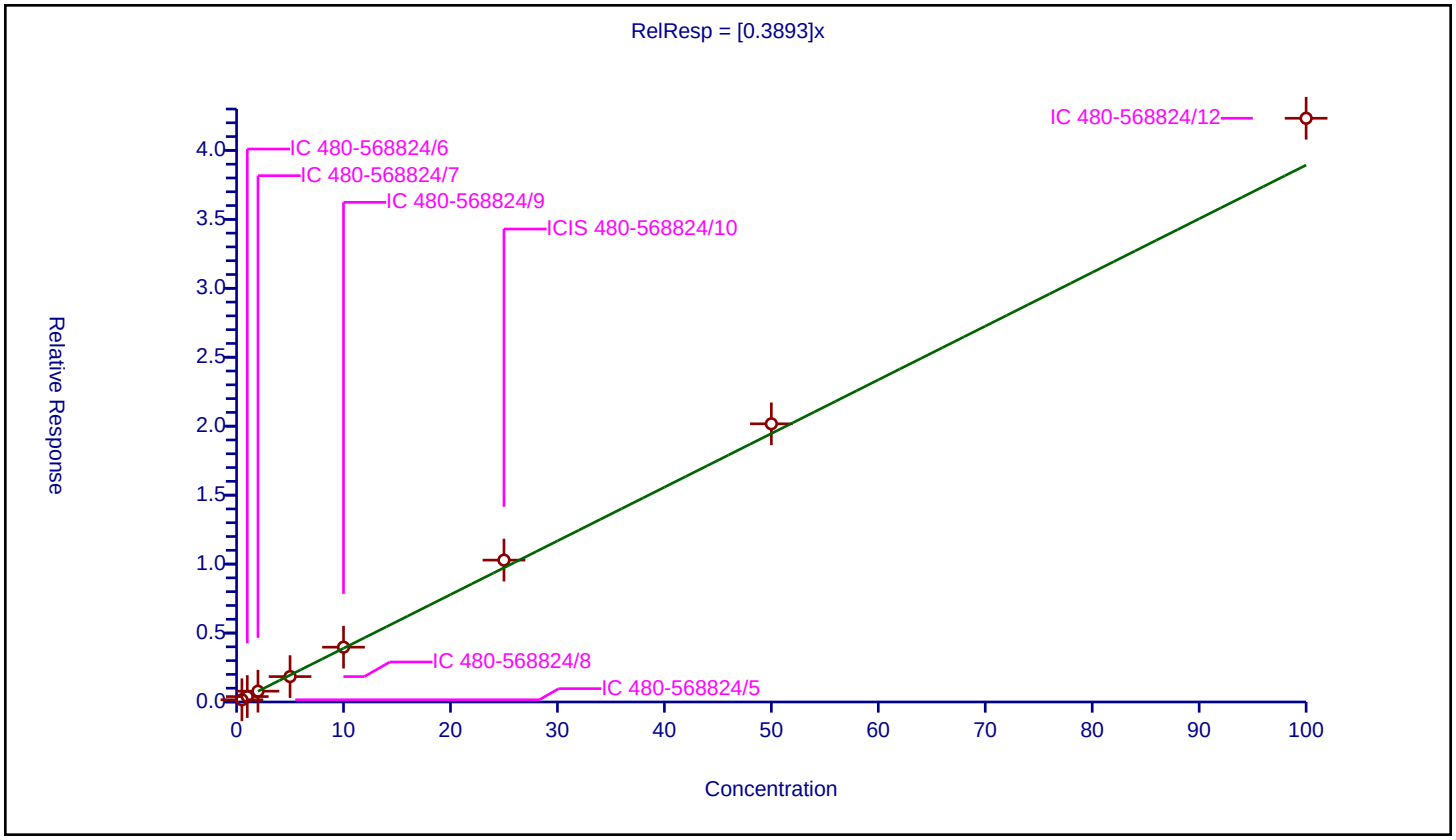
Curve Coefficients

Intercept:	0
Slope:	0.3893

Error Coefficients

Standard Error:	599000
Relative Standard Error:	7.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.162376	25.0	712699.0	0.324751	Y
2	IC 480-568824/6	1.0	0.394052	25.0	670343.0	0.394052	Y
3	IC 480-568824/7	2.0	0.783375	25.0	715302.0	0.391688	Y
4	IC 480-568824/8	5.0	1.842247	25.0	751582.0	0.368449	Y
5	IC 480-568824/9	10.0	3.974981	25.0	709928.0	0.397498	Y
6	ICIS 480-568824/10	25.0	10.288533	25.0	723937.0	0.411541	Y
7	IC 480-568824/11	50.0	20.172804	25.0	798735.0	0.403456	Y
8	IC 480-568824/12	100.0	42.328557	25.0	832930.0	0.423286	Y



Calibration / m-Xylene & p-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

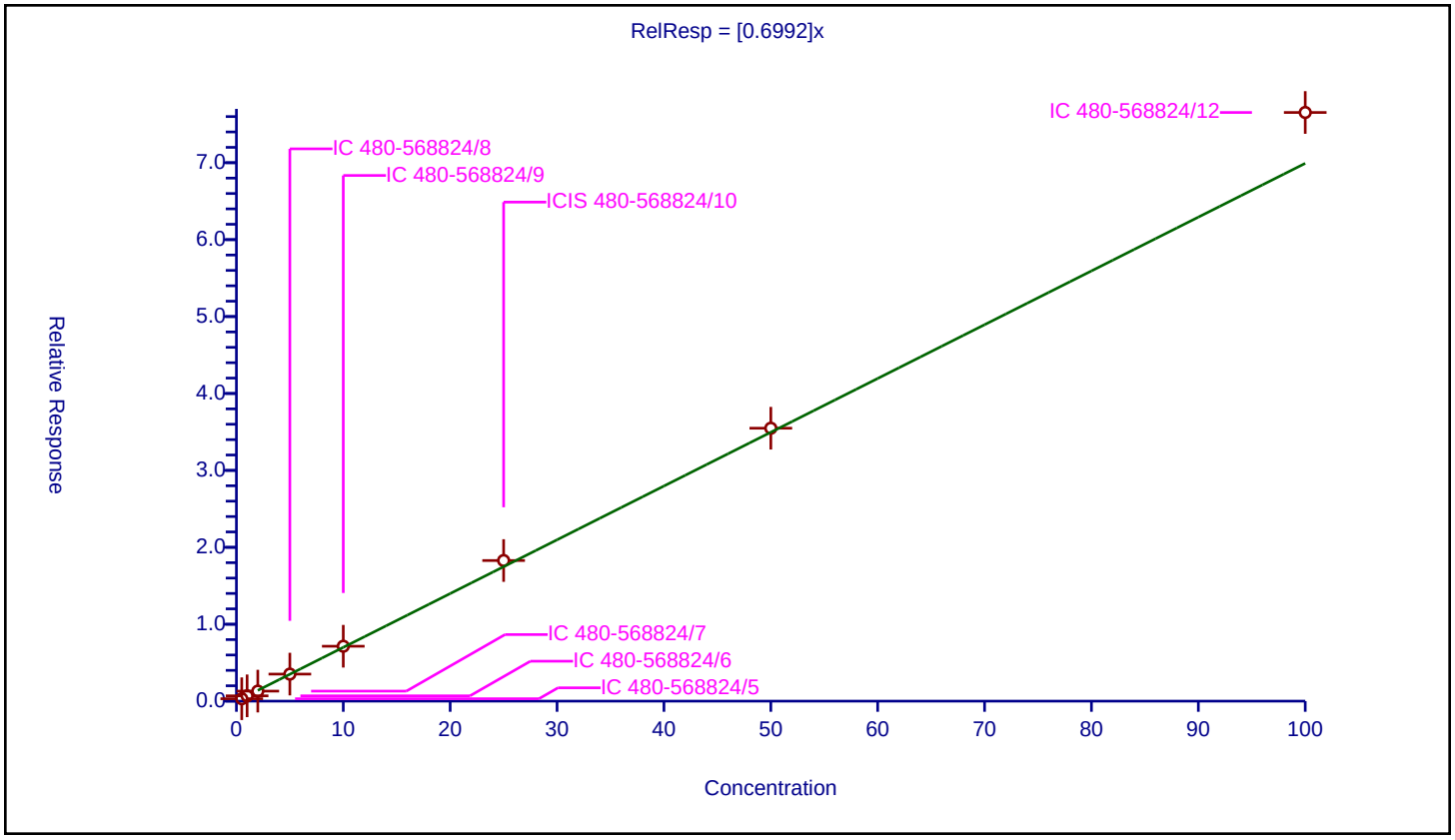
Curve Coefficients

Intercept:	0
Slope:	0.6992

Error Coefficients

Standard Error:	1080000
Relative Standard Error:	6.2
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.313807	25.0	712699.0	0.627614	Y
2	IC 480-568824/6	1.0	0.690617	25.0	670343.0	0.690617	Y
3	IC 480-568824/7	2.0	1.303121	25.0	715302.0	0.65156	Y
4	IC 480-568824/8	5.0	3.517713	25.0	751582.0	0.703543	Y
5	IC 480-568824/9	10.0	7.137837	25.0	709928.0	0.713784	Y
6	ICIS 480-568824/10	25.0	18.281425	25.0	723937.0	0.731257	Y
7	IC 480-568824/11	50.0	35.484266	25.0	798735.0	0.709685	Y
8	IC 480-568824/12	100.0	76.533802	25.0	832930.0	0.765338	Y



Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

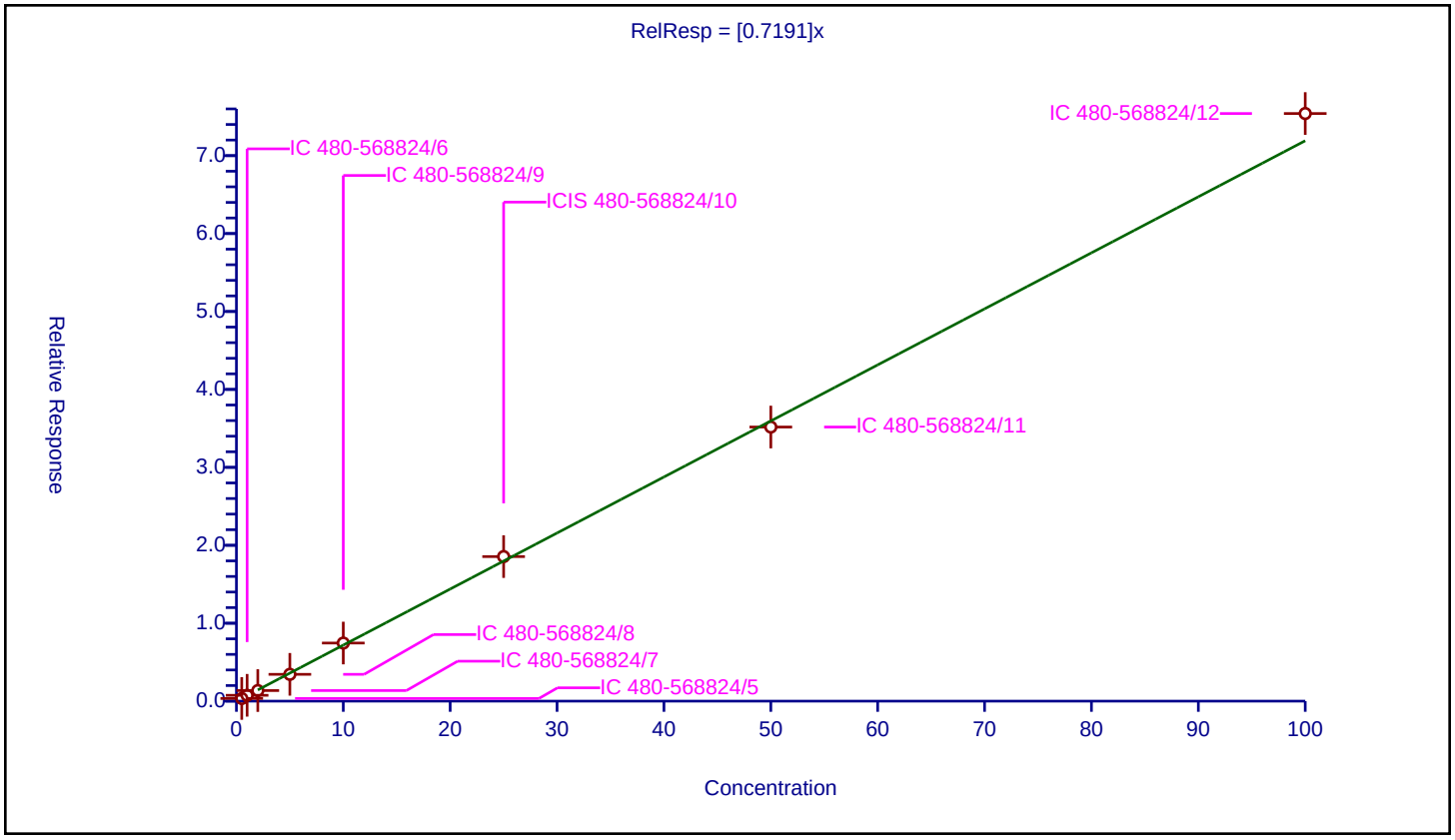
Curve Coefficients

Intercept:	0
Slope:	0.7191

Error Coefficients

Standard Error:	1060000
Relative Standard Error:	4.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.344816	25.0	712699.0	0.689632	Y
2	IC 480-568824/6	1.0	0.751481	25.0	670343.0	0.751481	Y
3	IC 480-568824/7	2.0	1.357713	25.0	715302.0	0.678857	Y
4	IC 480-568824/8	5.0	3.439678	25.0	751582.0	0.687936	Y
5	IC 480-568824/9	10.0	7.454207	25.0	709928.0	0.745421	Y
6	ICIS 480-568824/10	25.0	18.549646	25.0	723937.0	0.741986	Y
7	IC 480-568824/11	50.0	35.174088	25.0	798735.0	0.703482	Y
8	IC 480-568824/12	100.0	75.405646	25.0	832930.0	0.754056	Y



Calibration / Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

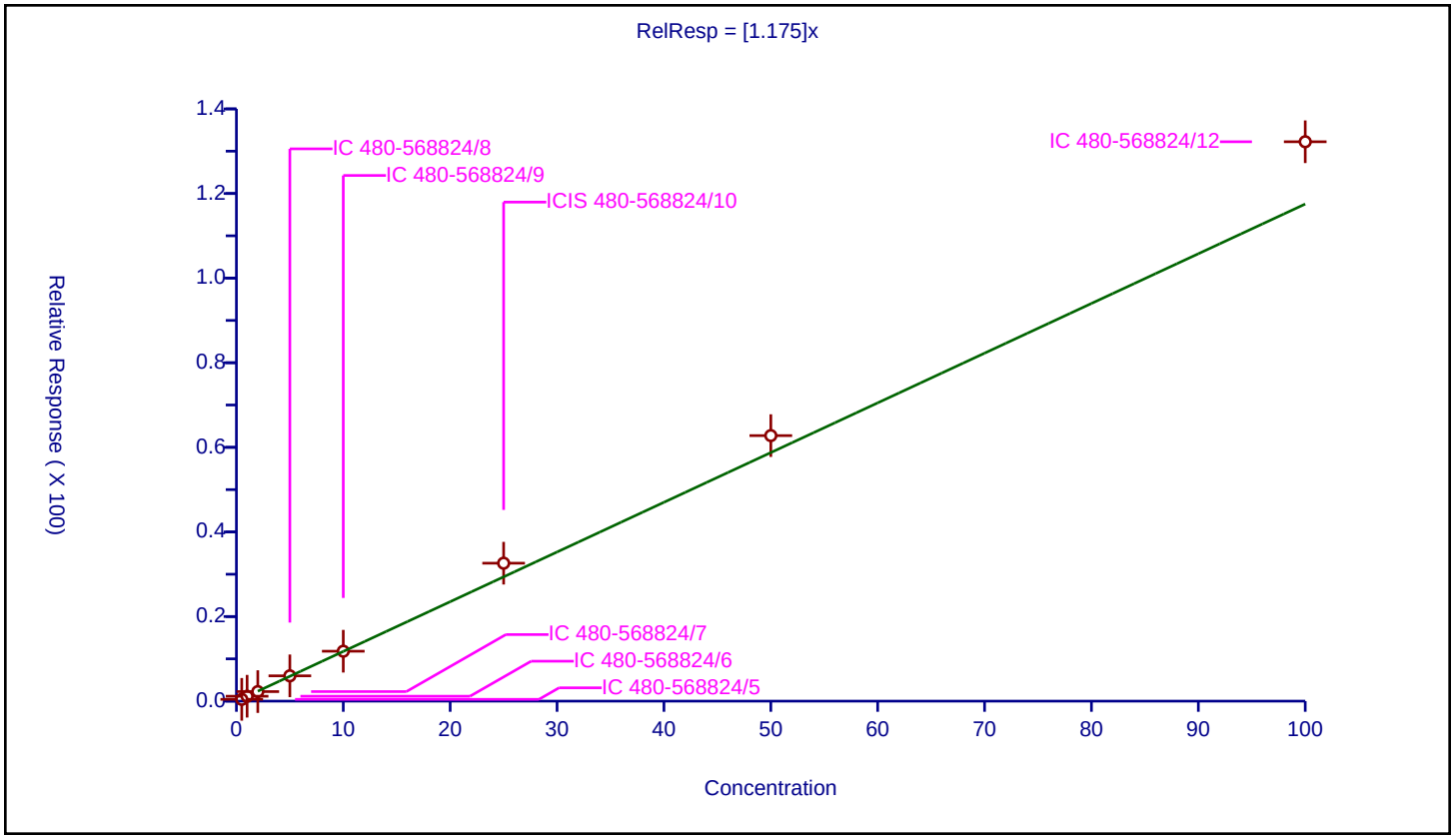
Curve Coefficients

Intercept:	0
Slope:	1.175

Error Coefficients

Standard Error:	1870000
Relative Standard Error:	12.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.426933	25.0	712699.0	0.853867	Y
2	IC 480-568824/6	1.0	1.160227	25.0	670343.0	1.160227	Y
3	IC 480-568824/7	2.0	2.255201	25.0	715302.0	1.127601	Y
4	IC 480-568824/8	5.0	5.984443	25.0	751582.0	1.196889	Y
5	IC 480-568824/9	10.0	11.801162	25.0	709928.0	1.180116	Y
6	ICIS 480-568824/10	25.0	32.609191	25.0	723937.0	1.304368	Y
7	IC 480-568824/11	50.0	62.769223	25.0	798735.0	1.255384	Y
8	IC 480-568824/12	100.0	132.229749	25.0	832930.0	1.322297	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

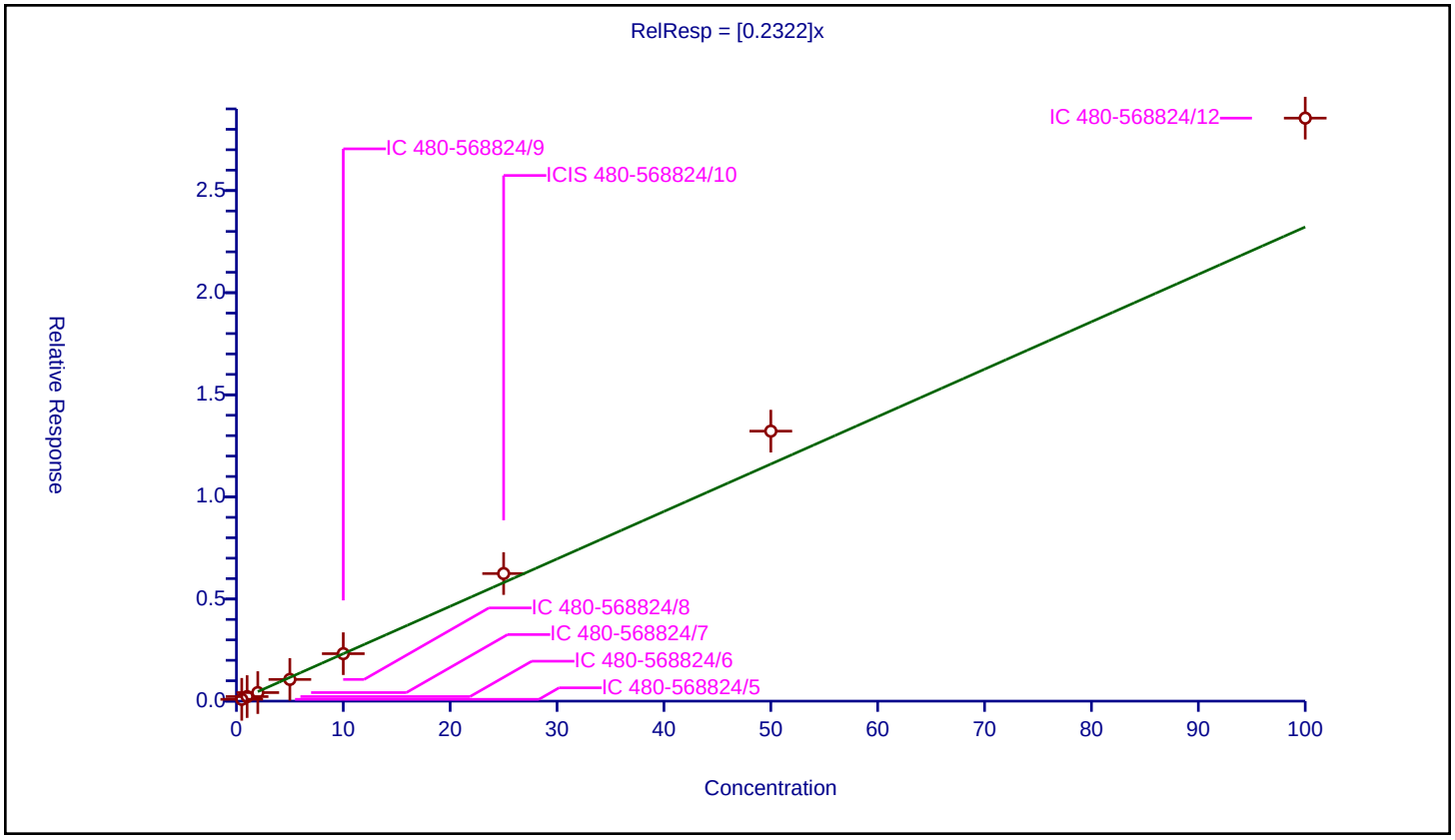
Curve Coefficients

Intercept:	0
Slope:	0.2322

Error Coefficients

Standard Error:	400000
Relative Standard Error:	14.5
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.08994	25.0	712699.0	0.17988	Y
2	IC 480-568824/6	1.0	0.223057	25.0	670343.0	0.223057	Y
3	IC 480-568824/7	2.0	0.419054	25.0	715302.0	0.209527	Y
4	IC 480-568824/8	5.0	1.063424	25.0	751582.0	0.212685	Y
5	IC 480-568824/9	10.0	2.324848	25.0	709928.0	0.232485	Y
6	ICIS 480-568824/10	25.0	6.247505	25.0	723937.0	0.2499	Y
7	IC 480-568824/11	50.0	13.221219	25.0	798735.0	0.264424	Y
8	IC 480-568824/12	100.0	28.546997	25.0	832930.0	0.28547	Y



Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

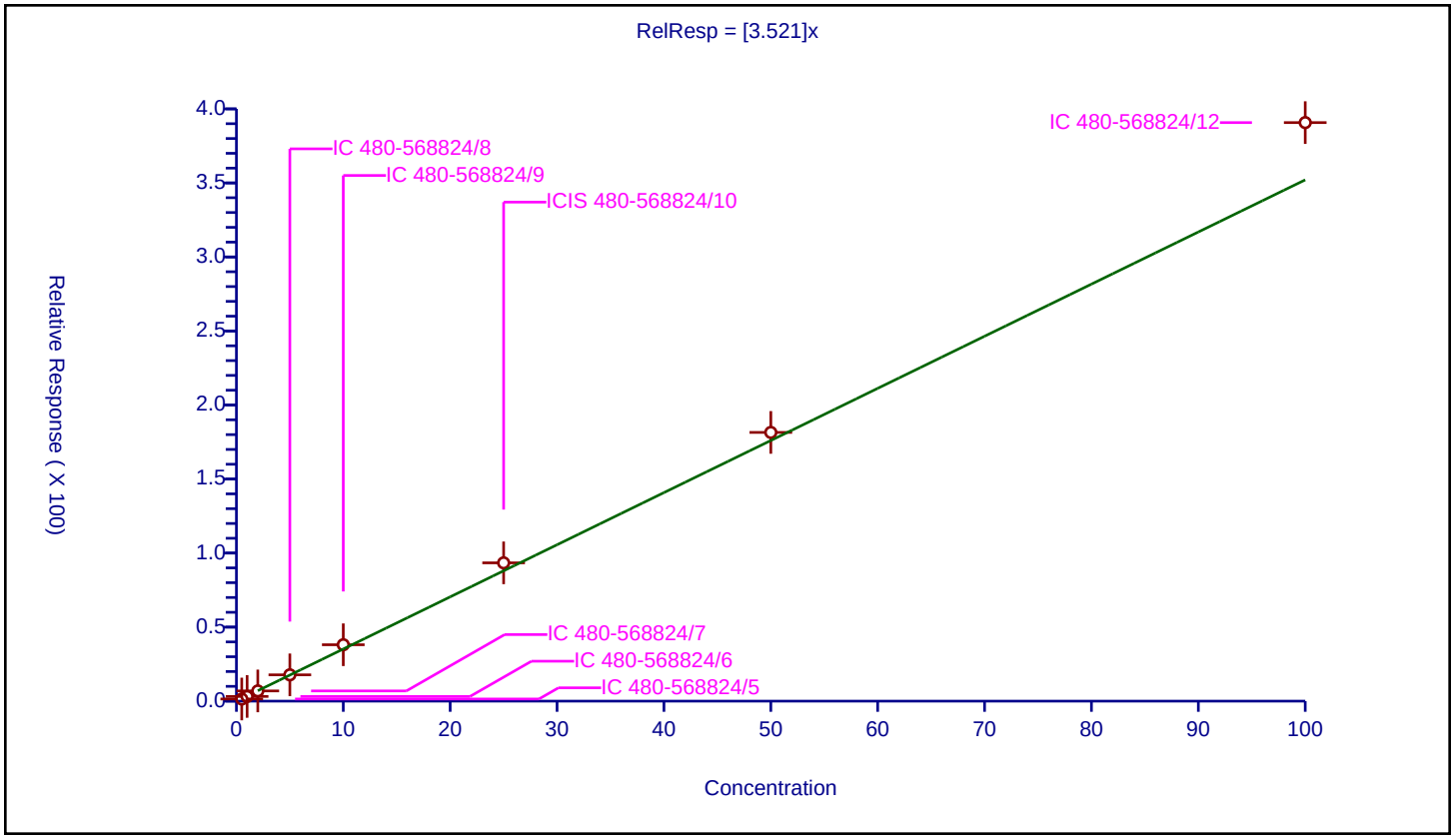
Curve Coefficients

Intercept:	0
Slope:	3.521

Error Coefficients

Standard Error:	2900000
Relative Standard Error:	9.6
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	1.450733	25.0	360766.0	2.901465	Y
2	IC 480-568824/6	1.0	3.180474	25.0	352589.0	3.180474	Y
3	IC 480-568824/7	2.0	6.89536	25.0	371043.0	3.44768	Y
4	IC 480-568824/8	5.0	17.769828	25.0	377287.0	3.553966	Y
5	IC 480-568824/9	10.0	38.083983	25.0	366299.0	3.808398	Y
6	ICIS 480-568824/10	25.0	93.399315	25.0	382858.0	3.735973	Y
7	IC 480-568824/11	50.0	181.489091	25.0	412134.0	3.629782	Y
8	IC 480-568824/12	100.0	390.743272	25.0	441514.0	3.907433	Y



Calibration / 4-Bromofluorobenzene (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

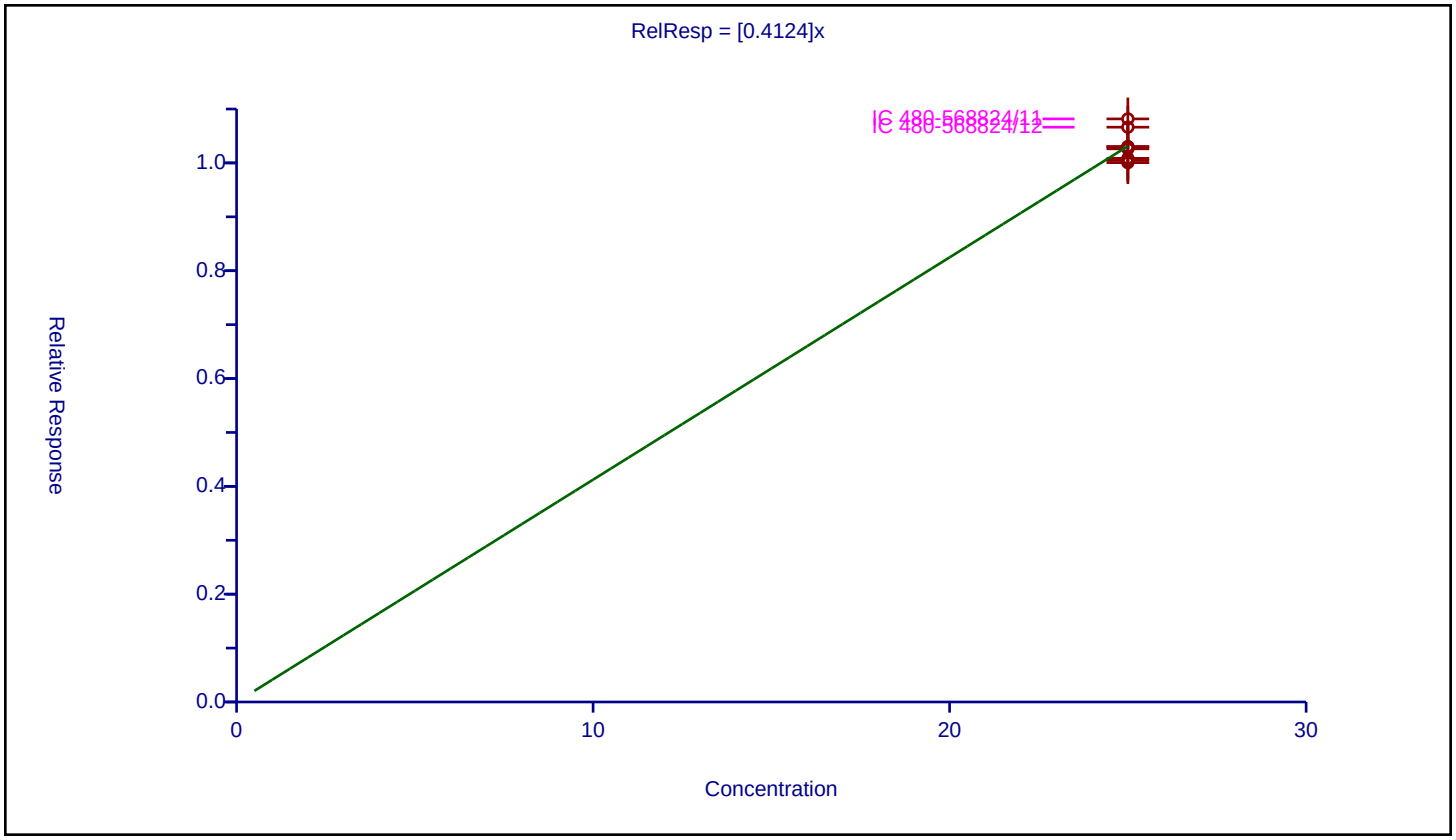
Curve Coefficients

Intercept:	0
Slope:	0.4124

Error Coefficients

Standard Error:	328000
Relative Standard Error:	2.8
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	25.0	10.302631	25.0	712699.0	0.412105	Y
2	IC 480-568824/6	25.0	10.261426	25.0	670343.0	0.410457	Y
3	IC 480-568824/7	25.0	10.084971	25.0	715302.0	0.403399	Y
4	IC 480-568824/8	25.0	10.046841	25.0	751582.0	0.401874	Y
5	IC 480-568824/9	25.0	10.300164	25.0	709928.0	0.412007	Y
6	ICIS 480-568824/10	25.0	10.004911	25.0	723937.0	0.400196	Y
7	IC 480-568824/11	25.0	10.816698	25.0	798735.0	0.432668	Y
8	IC 480-568824/12	25.0	10.663081	25.0	832930.0	0.426523	Y



Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

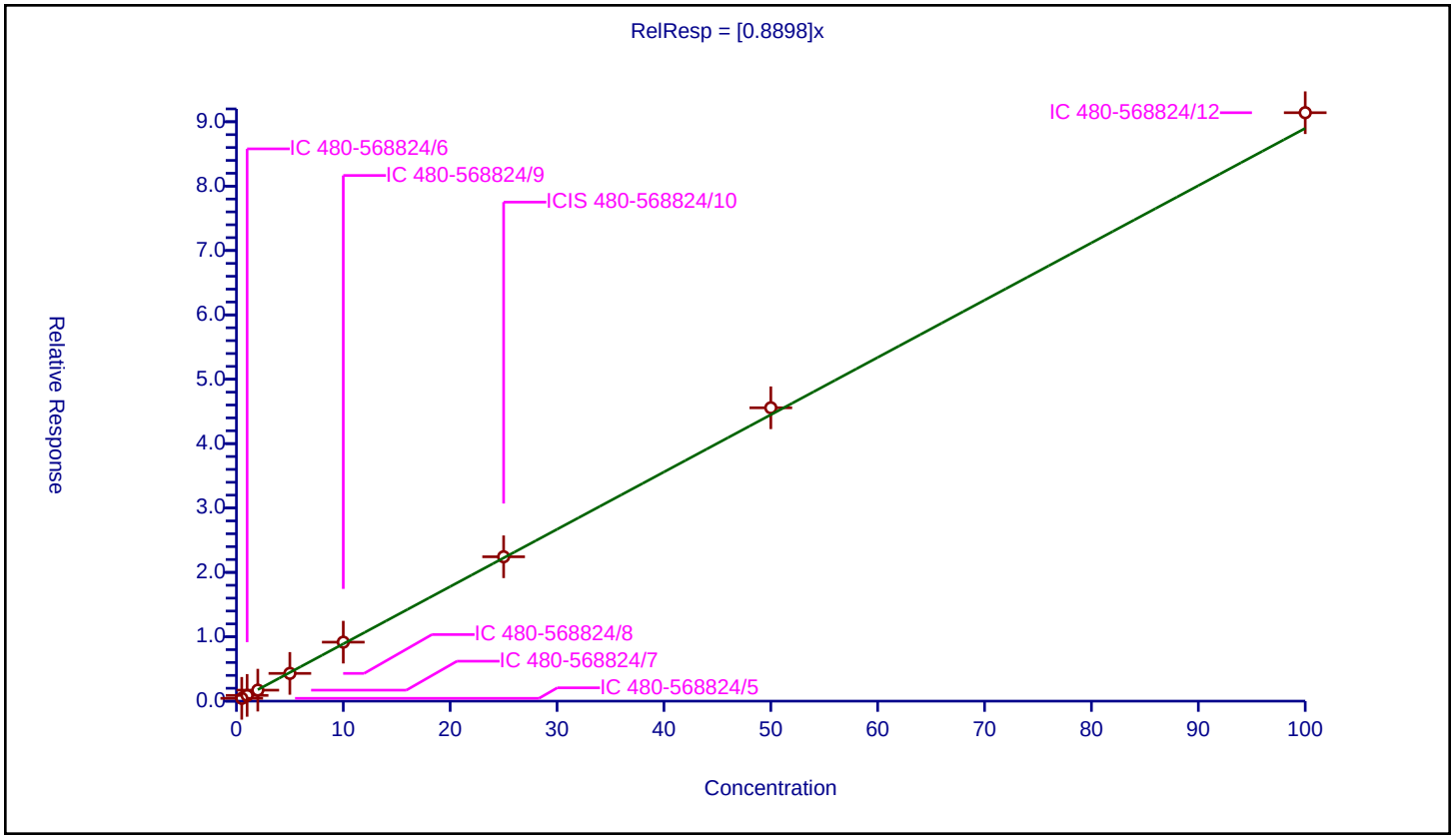
Curve Coefficients

Intercept:	0
Slope:	0.8898

Error Coefficients

Standard Error:	688000
Relative Standard Error:	2.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.437749	25.0	360766.0	0.875498	Y
2	IC 480-568824/6	1.0	0.889988	25.0	352589.0	0.889988	Y
3	IC 480-568824/7	2.0	1.7058	25.0	371043.0	0.8529	Y
4	IC 480-568824/8	5.0	4.307397	25.0	377287.0	0.861479	Y
5	IC 480-568824/9	10.0	9.163074	25.0	366299.0	0.916307	Y
6	ICIS 480-568824/10	25.0	22.428289	25.0	382858.0	0.897132	Y
7	IC 480-568824/11	50.0	45.569463	25.0	412134.0	0.911389	Y
8	IC 480-568824/12	100.0	91.410125	25.0	441514.0	0.914101	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

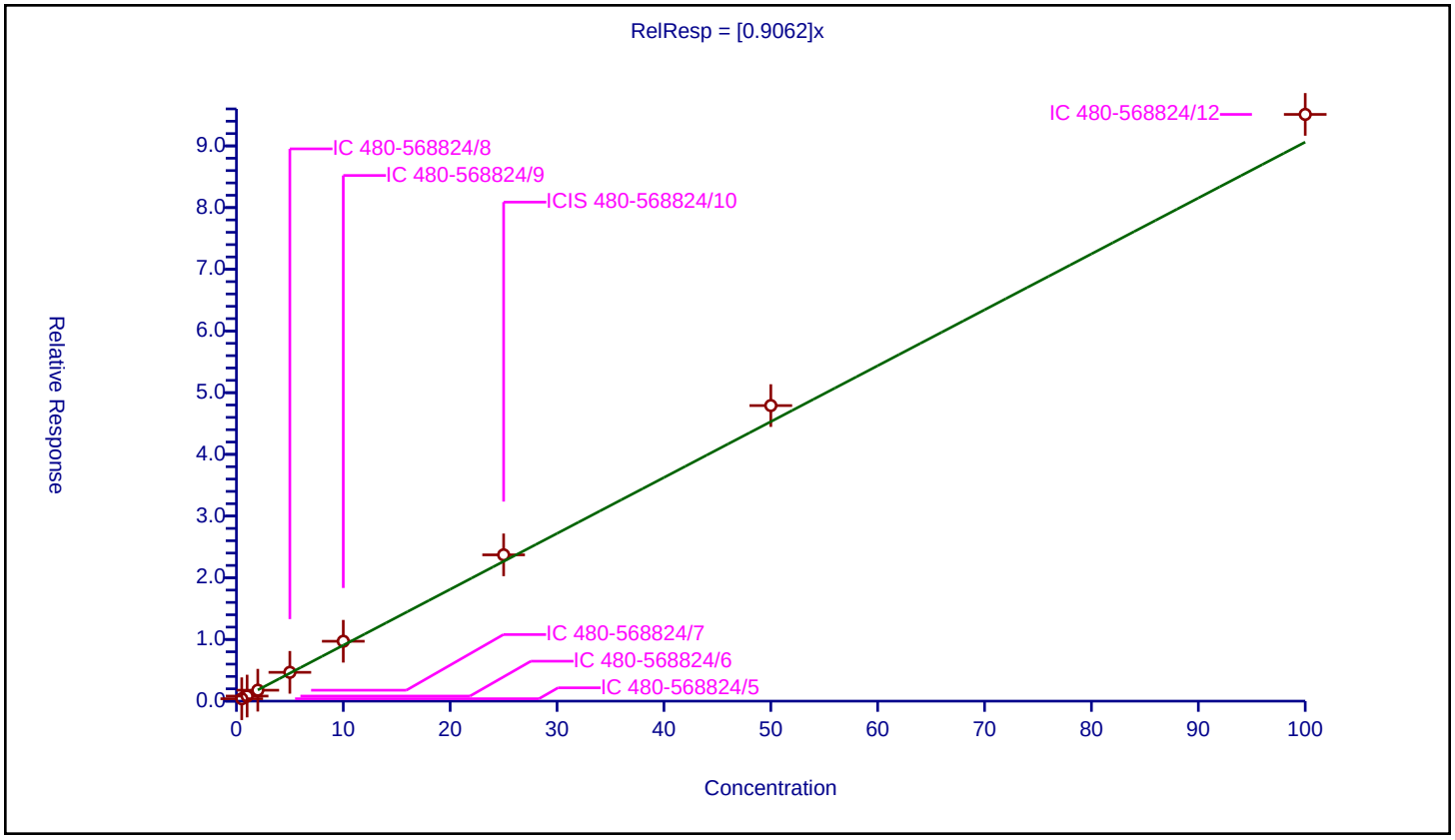
Curve Coefficients

Intercept:	0
Slope:	0.9062

Error Coefficients

Standard Error:	717000
Relative Standard Error:	7.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.388756	25.0	360766.0	0.777512	Y
2	IC 480-568824/6	1.0	0.823267	25.0	352589.0	0.823267	Y
3	IC 480-568824/7	2.0	1.77183	25.0	371043.0	0.885915	Y
4	IC 480-568824/8	5.0	4.671179	25.0	377287.0	0.934236	Y
5	IC 480-568824/9	10.0	9.705527	25.0	366299.0	0.970553	Y
6	ICIS 480-568824/10	25.0	23.71212	25.0	382858.0	0.948485	Y
7	IC 480-568824/11	50.0	47.91142	25.0	412134.0	0.958228	Y
8	IC 480-568824/12	100.0	95.106101	25.0	441514.0	0.951061	Y



Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

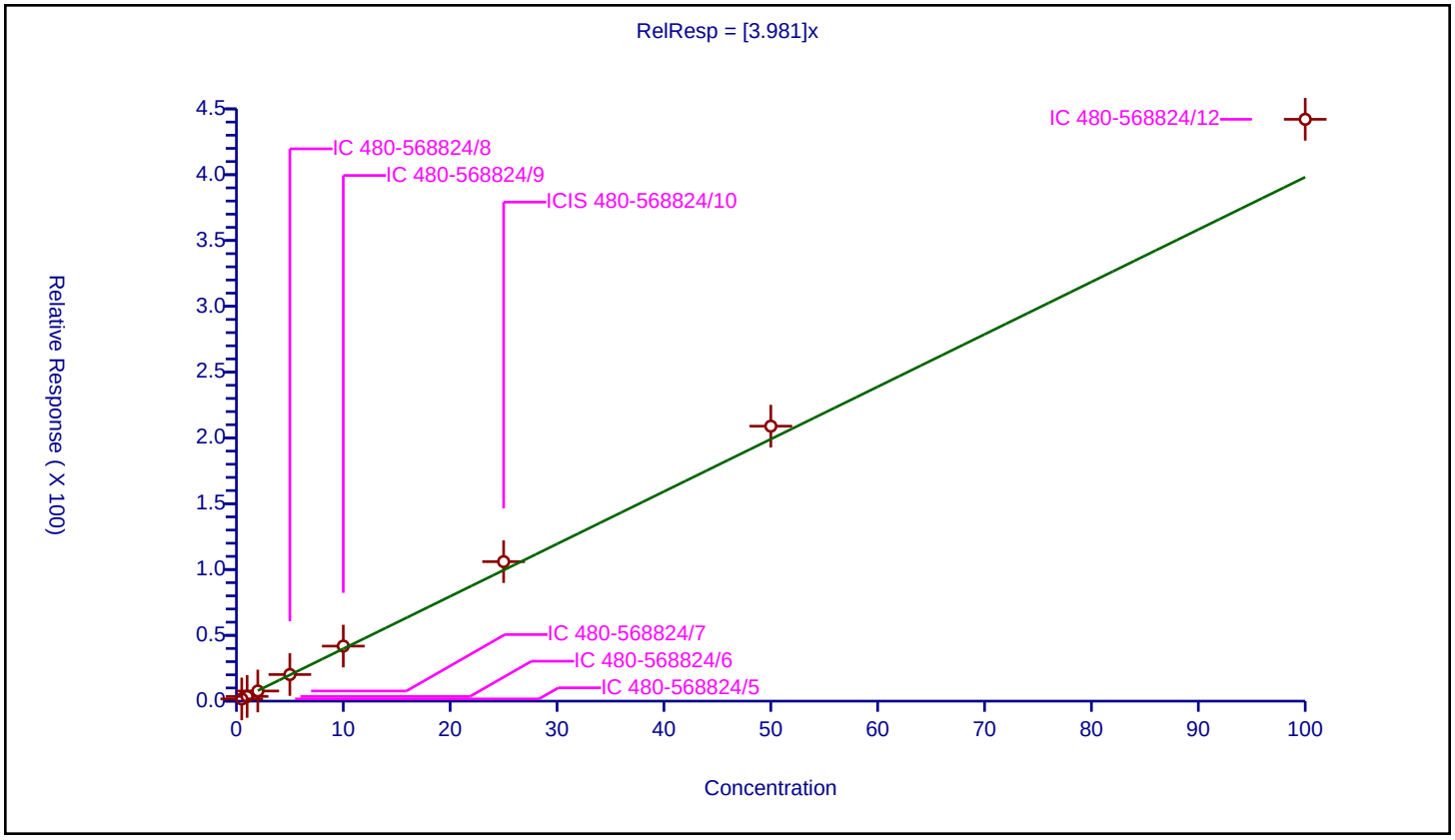
Curve Coefficients

Intercept:	0
Slope:	3.981

Error Coefficients

Standard Error:	3290000
Relative Standard Error:	9.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	1.683224	25.0	360766.0	3.366448	Y
2	IC 480-568824/6	1.0	3.576615	25.0	352589.0	3.576615	Y
3	IC 480-568824/7	2.0	7.691629	25.0	371043.0	3.845814	Y
4	IC 480-568824/8	5.0	20.206302	25.0	377287.0	4.04126	Y
5	IC 480-568824/9	10.0	41.821981	25.0	366299.0	4.182198	Y
6	ICIS 480-568824/10	25.0	105.996087	25.0	382858.0	4.239843	Y
7	IC 480-568824/11	50.0	208.928043	25.0	412134.0	4.178561	Y
8	IC 480-568824/12	100.0	442.082131	25.0	441514.0	4.420821	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

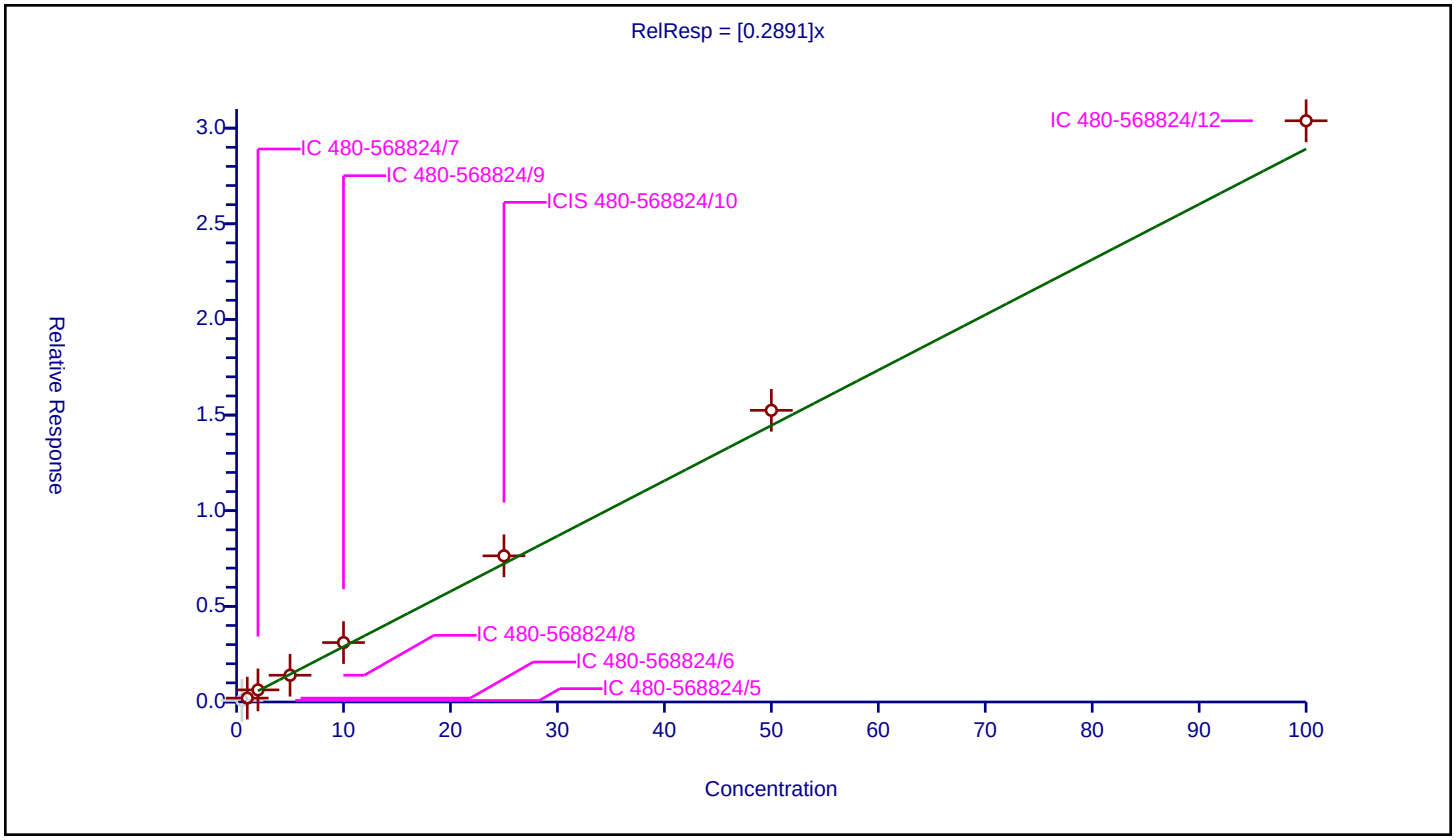
Curve Coefficients

Intercept:	0
Slope:	0.2891

Error Coefficients

Standard Error:	247000
Relative Standard Error:	13.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.081008	25.0	360766.0	0.162016	N
2	IC 480-568824/6	1.0	0.202998	25.0	352589.0	0.202998	Y
3	IC 480-568824/7	2.0	0.632204	25.0	371043.0	0.316102	Y
4	IC 480-568824/8	5.0	1.398803	25.0	377287.0	0.279761	Y
5	IC 480-568824/9	10.0	3.106069	25.0	366299.0	0.310607	Y
6	ICIS 480-568824/10	25.0	7.640822	25.0	382858.0	0.305633	Y
7	IC 480-568824/11	50.0	15.24856	25.0	412134.0	0.304971	Y
8	IC 480-568824/12	100.0	30.385446	25.0	441514.0	0.303854	Y



Calibration / trans-1,4-Dichloro-2-butene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

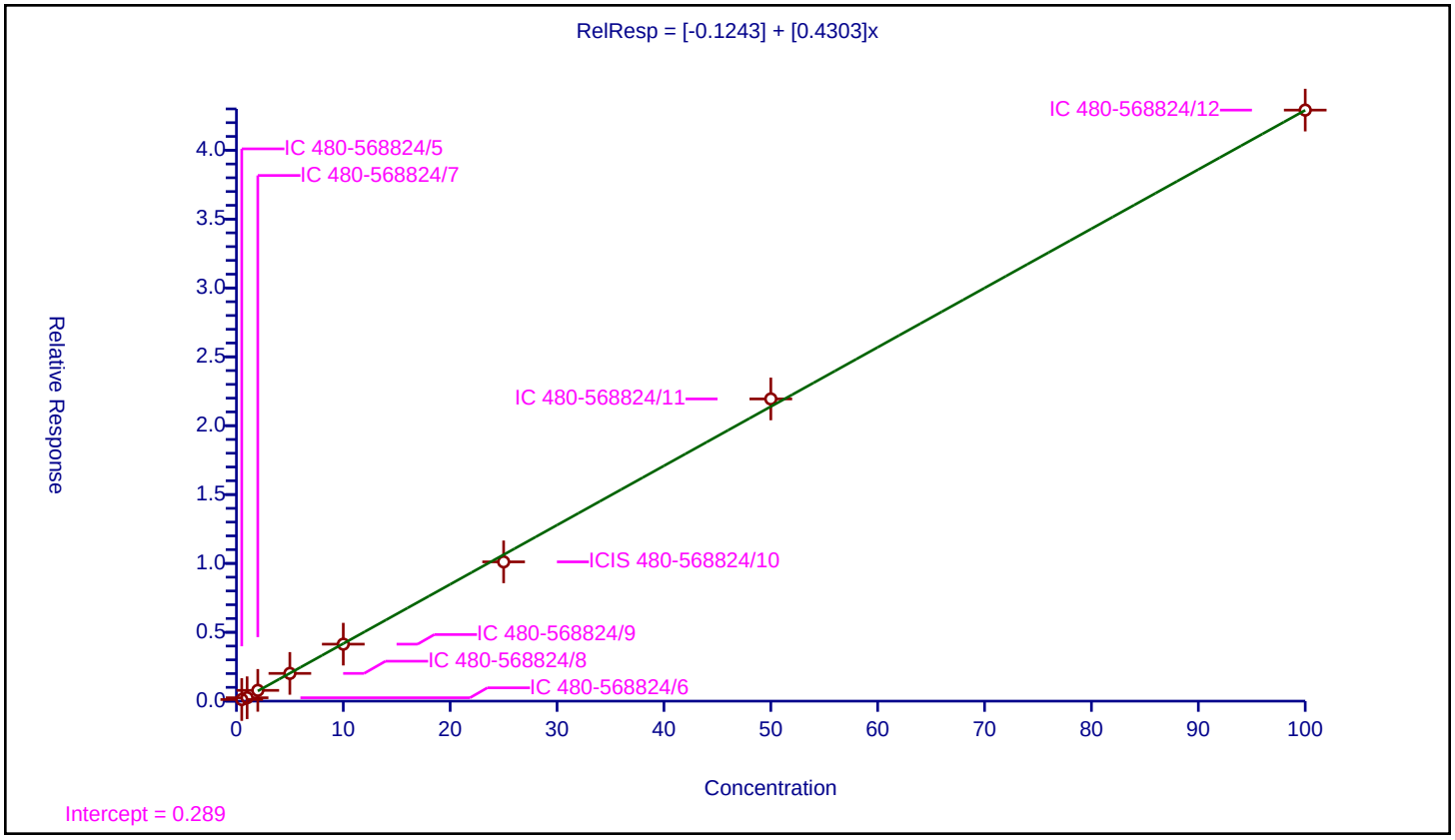
Curve Coefficients

Intercept:	-0.1243
Slope:	0.4303

Error Coefficients

Standard Error:	350000
Relative Standard Error:	8.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.117458	25.0	360766.0	0.234917	Y
2	IC 480-568824/6	1.0	0.246533	25.0	352589.0	0.246533	Y
3	IC 480-568824/7	2.0	0.781311	25.0	371043.0	0.390656	Y
4	IC 480-568824/8	5.0	2.013255	25.0	377287.0	0.402651	Y
5	IC 480-568824/9	10.0	4.137399	25.0	366299.0	0.41374	Y
6	ICIS 480-568824/10	25.0	10.1123	25.0	382858.0	0.404492	Y
7	IC 480-568824/11	50.0	21.941771	25.0	412134.0	0.438835	Y
8	IC 480-568824/12	100.0	42.912512	25.0	441514.0	0.429125	Y



Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

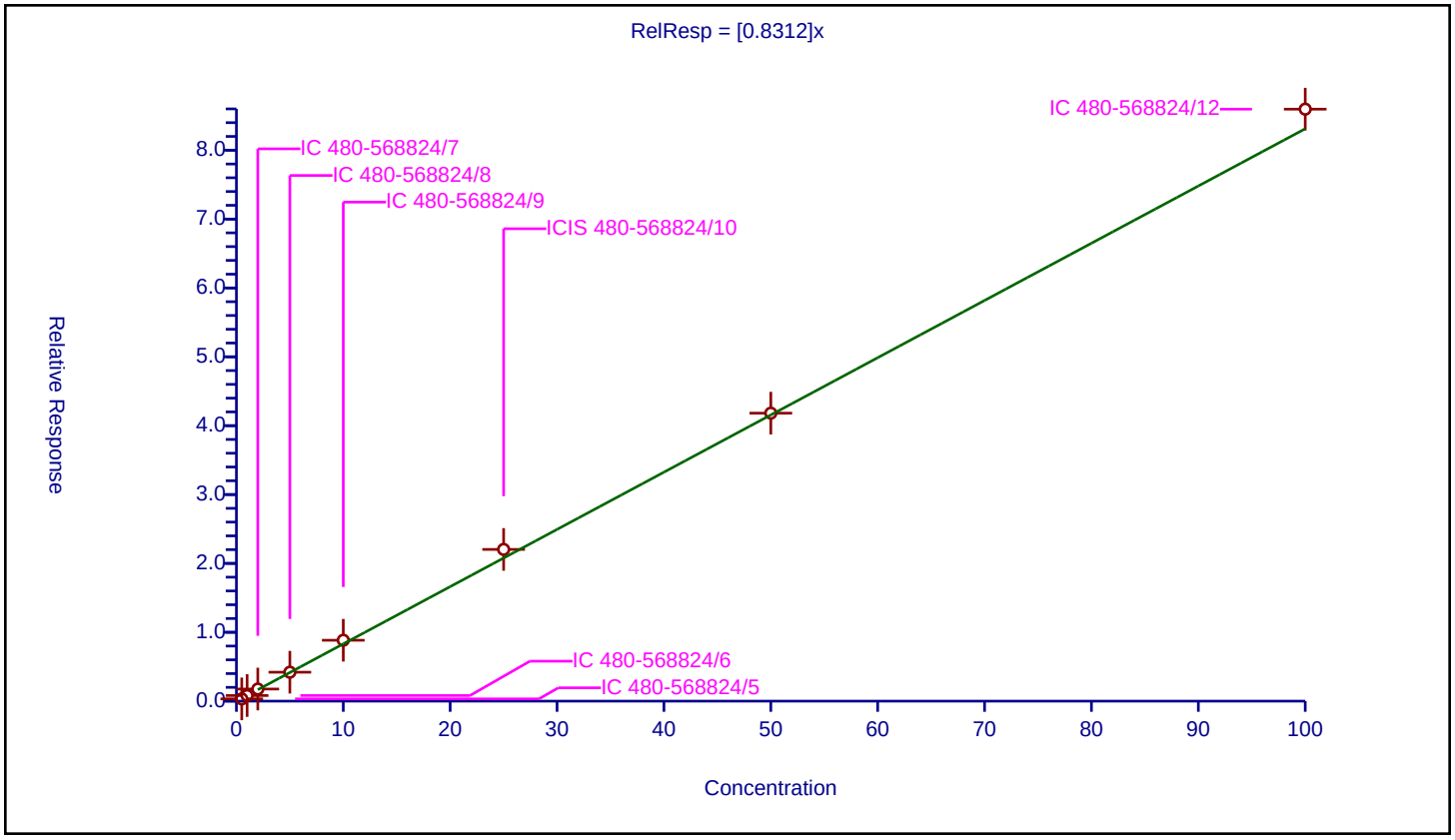
Curve Coefficients

Intercept:	0
Slope:	0.8312

Error Coefficients

Standard Error:	645000
Relative Standard Error:	9.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.326874	25.0	360766.0	0.653748	Y
2	IC 480-568824/6	1.0	0.814617	25.0	352589.0	0.814617	Y
3	IC 480-568824/7	2.0	1.75795	25.0	371043.0	0.878975	Y
4	IC 480-568824/8	5.0	4.201576	25.0	377287.0	0.840315	Y
5	IC 480-568824/9	10.0	8.844004	25.0	366299.0	0.8844	Y
6	ICIS 480-568824/10	25.0	22.031275	25.0	382858.0	0.881251	Y
7	IC 480-568824/11	50.0	41.816375	25.0	412134.0	0.836328	Y
8	IC 480-568824/12	100.0	85.960864	25.0	441514.0	0.859609	Y



Calibration / 1,3,5-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

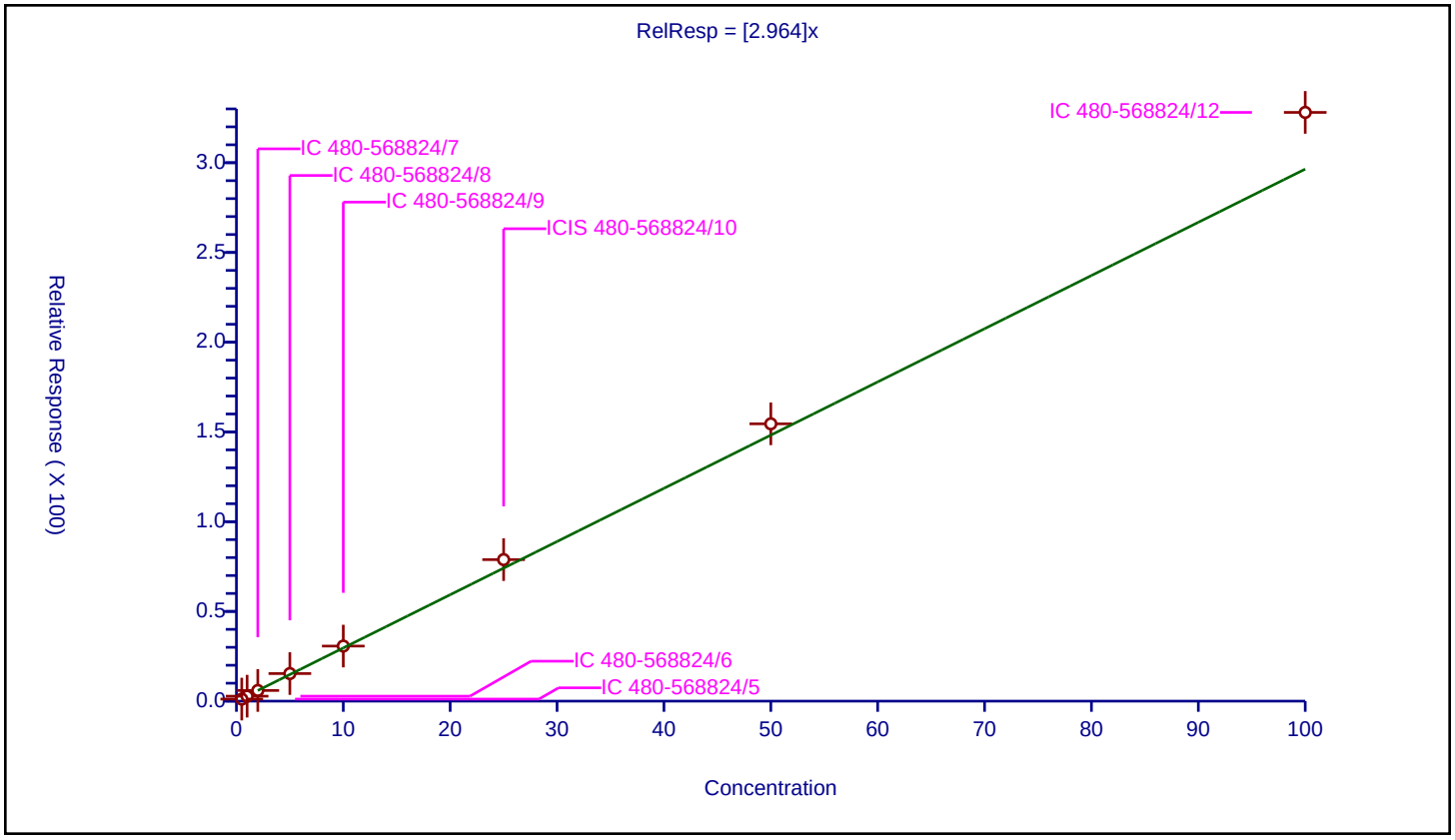
Curve Coefficients

Intercept:	0
Slope:	2.964

Error Coefficients

Standard Error:	2440000
Relative Standard Error:	10.2
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	1.156428	25.0	360766.0	2.312857	Y
2	IC 480-568824/6	1.0	2.766181	25.0	352589.0	2.766181	Y
3	IC 480-568824/7	2.0	5.942101	25.0	371043.0	2.971051	Y
4	IC 480-568824/8	5.0	15.362509	25.0	377287.0	3.072502	Y
5	IC 480-568824/9	10.0	30.682175	25.0	366299.0	3.068217	Y
6	ICIS 480-568824/10	25.0	78.849273	25.0	382858.0	3.153971	Y
7	IC 480-568824/11	50.0	154.532992	25.0	412134.0	3.09066	Y
8	IC 480-568824/12	100.0	328.034728	25.0	441514.0	3.280347	Y



Calibration / 4-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

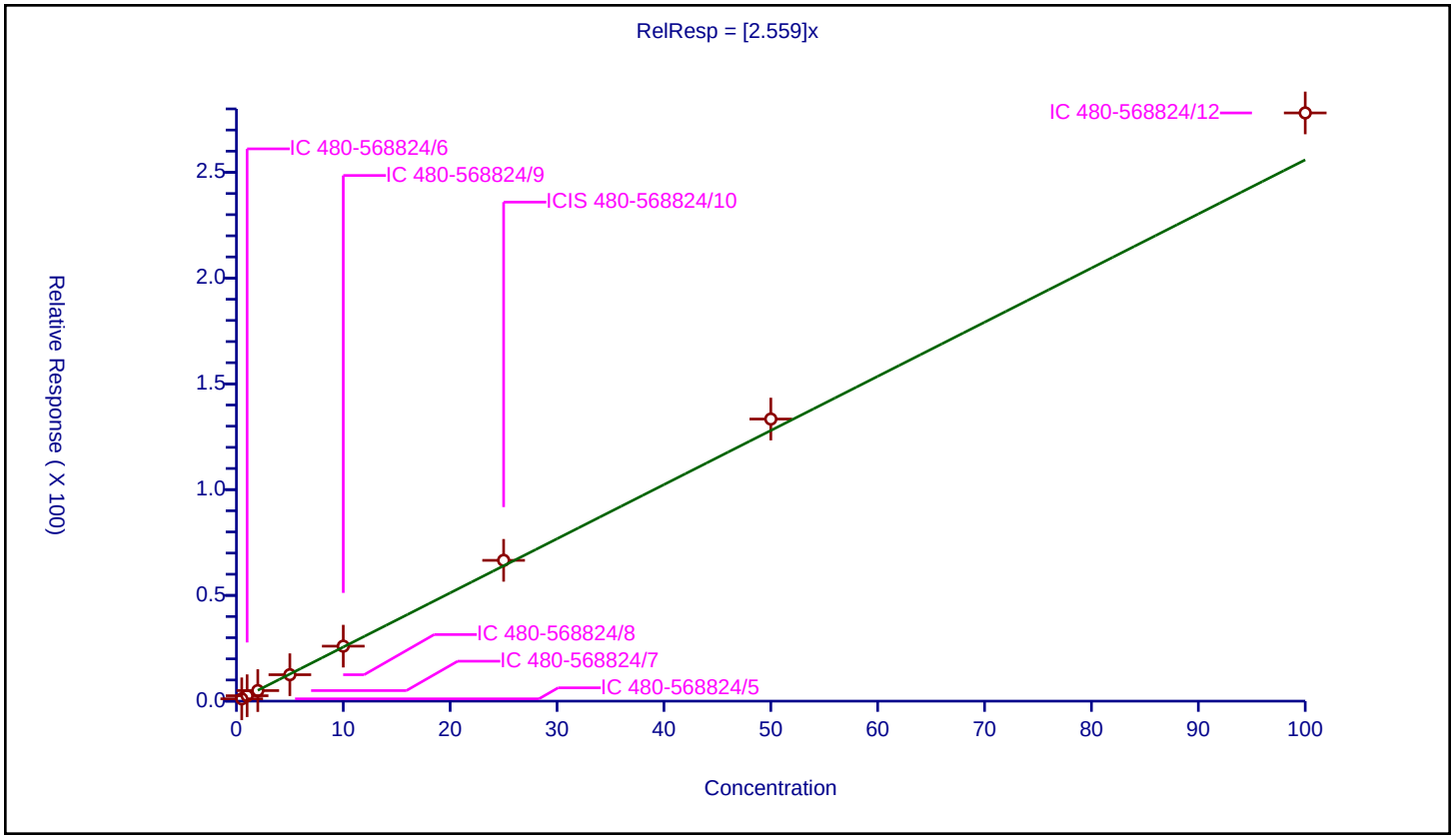
Curve Coefficients

Intercept:	0
Slope:	2.559

Error Coefficients

Standard Error:	2080000
Relative Standard Error:	6.7
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	1.102931	25.0	360766.0	2.205862	Y
2	IC 480-568824/6	1.0	2.559637	25.0	352589.0	2.559637	Y
3	IC 480-568824/7	2.0	4.996456	25.0	371043.0	2.498228	Y
4	IC 480-568824/8	5.0	12.498178	25.0	377287.0	2.499636	Y
5	IC 480-568824/9	10.0	25.990652	25.0	366299.0	2.599065	Y
6	ICIS 480-568824/10	25.0	66.566782	25.0	382858.0	2.662671	Y
7	IC 480-568824/11	50.0	133.370033	25.0	412134.0	2.667401	Y
8	IC 480-568824/12	100.0	278.085689	25.0	441514.0	2.780857	Y



Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

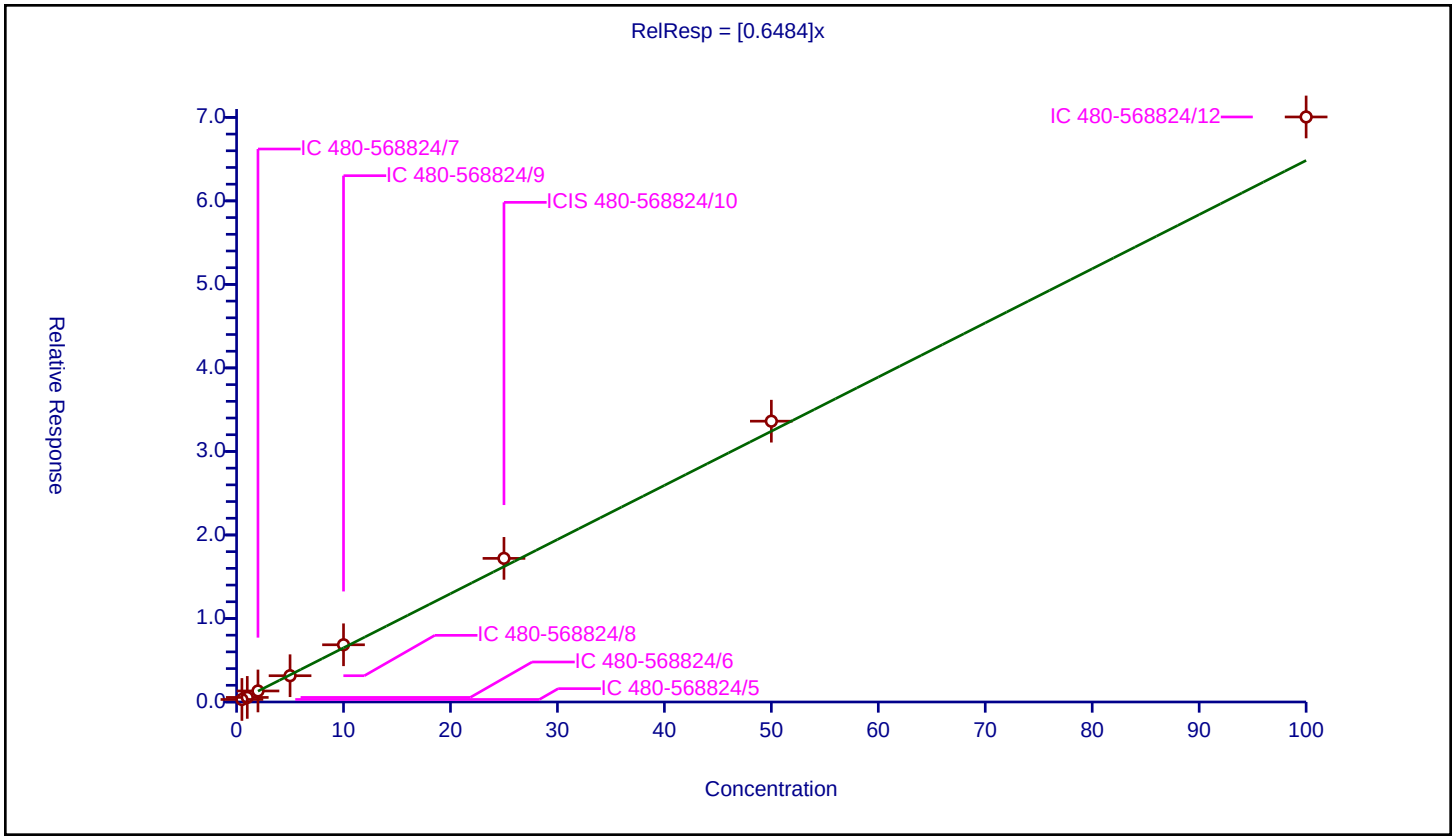
Curve Coefficients

Intercept:	0
Slope:	0.6484

Error Coefficients

Standard Error:	524000
Relative Standard Error:	8.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.302273	25.0	360766.0	0.604547	Y
2	IC 480-568824/6	1.0	0.547805	25.0	352589.0	0.547805	Y
3	IC 480-568824/7	2.0	1.319861	25.0	371043.0	0.65993	Y
4	IC 480-568824/8	5.0	3.145417	25.0	377287.0	0.629083	Y
5	IC 480-568824/9	10.0	6.85137	25.0	366299.0	0.685137	Y
6	ICIS 480-568824/10	25.0	17.194038	25.0	382858.0	0.687762	Y
7	IC 480-568824/11	50.0	33.624258	25.0	412134.0	0.672485	Y
8	IC 480-568824/12	100.0	70.047269	25.0	441514.0	0.700473	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

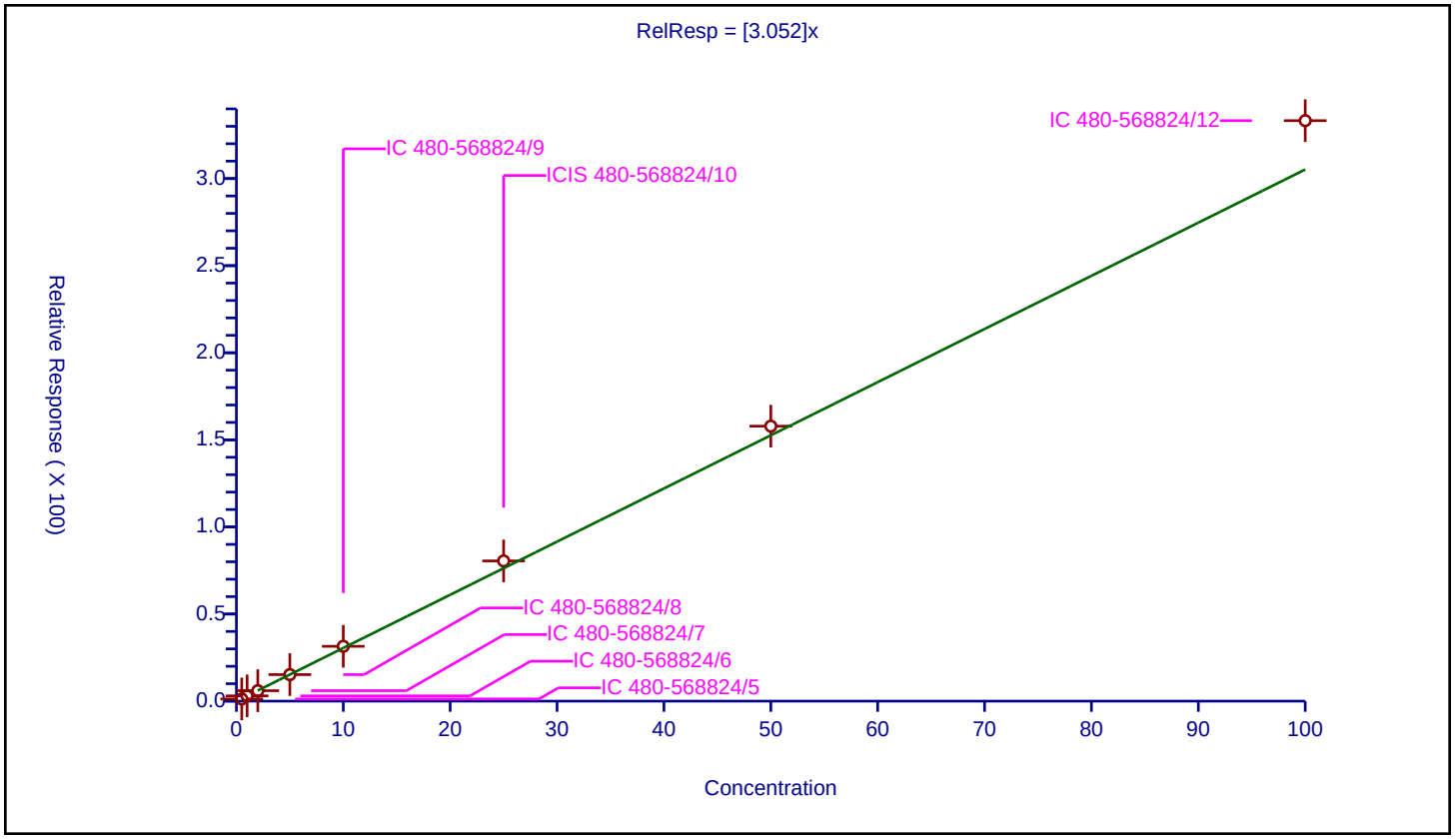
Curve Coefficients

Intercept:	0
Slope:	3.052

Error Coefficients

Standard Error:	2480000
Relative Standard Error:	8.2
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	1.246861	25.0	360766.0	2.493722	Y
2	IC 480-568824/6	1.0	3.016827	25.0	352589.0	3.016827	Y
3	IC 480-568824/7	2.0	6.002808	25.0	371043.0	3.001404	Y
4	IC 480-568824/8	5.0	15.230978	25.0	377287.0	3.046196	Y
5	IC 480-568824/9	10.0	31.481727	25.0	366299.0	3.148173	Y
6	ICIS 480-568824/10	25.0	80.494269	25.0	382858.0	3.219771	Y
7	IC 480-568824/11	50.0	157.86601	25.0	412134.0	3.15732	Y
8	IC 480-568824/12	100.0	333.237734	25.0	441514.0	3.332377	Y



Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

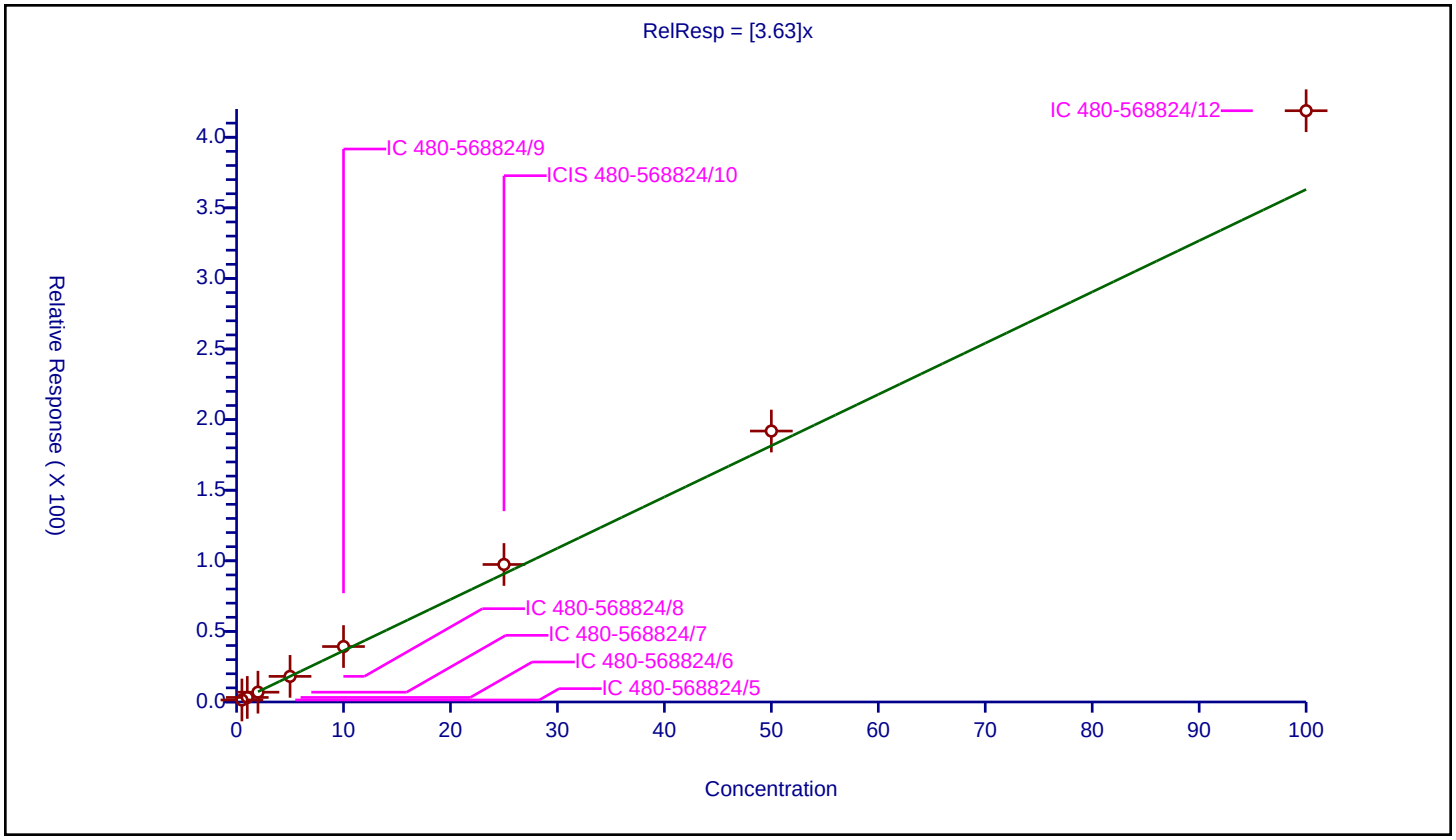
Curve Coefficients

Intercept:	0
Slope:	3.63

Error Coefficients

Standard Error:	3100000
Relative Standard Error:	11.8
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	1.434309	25.0	360766.0	2.868618	Y
2	IC 480-568824/6	1.0	3.221173	25.0	352589.0	3.221173	Y
3	IC 480-568824/7	2.0	6.949464	25.0	371043.0	3.474732	Y
4	IC 480-568824/8	5.0	18.137916	25.0	377287.0	3.627583	Y
5	IC 480-568824/9	10.0	39.284778	25.0	366299.0	3.928478	Y
6	ICIS 480-568824/10	25.0	97.39662	25.0	382858.0	3.895865	Y
7	IC 480-568824/11	50.0	191.910034	25.0	412134.0	3.838201	Y
8	IC 480-568824/12	100.0	418.798555	25.0	441514.0	4.187986	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

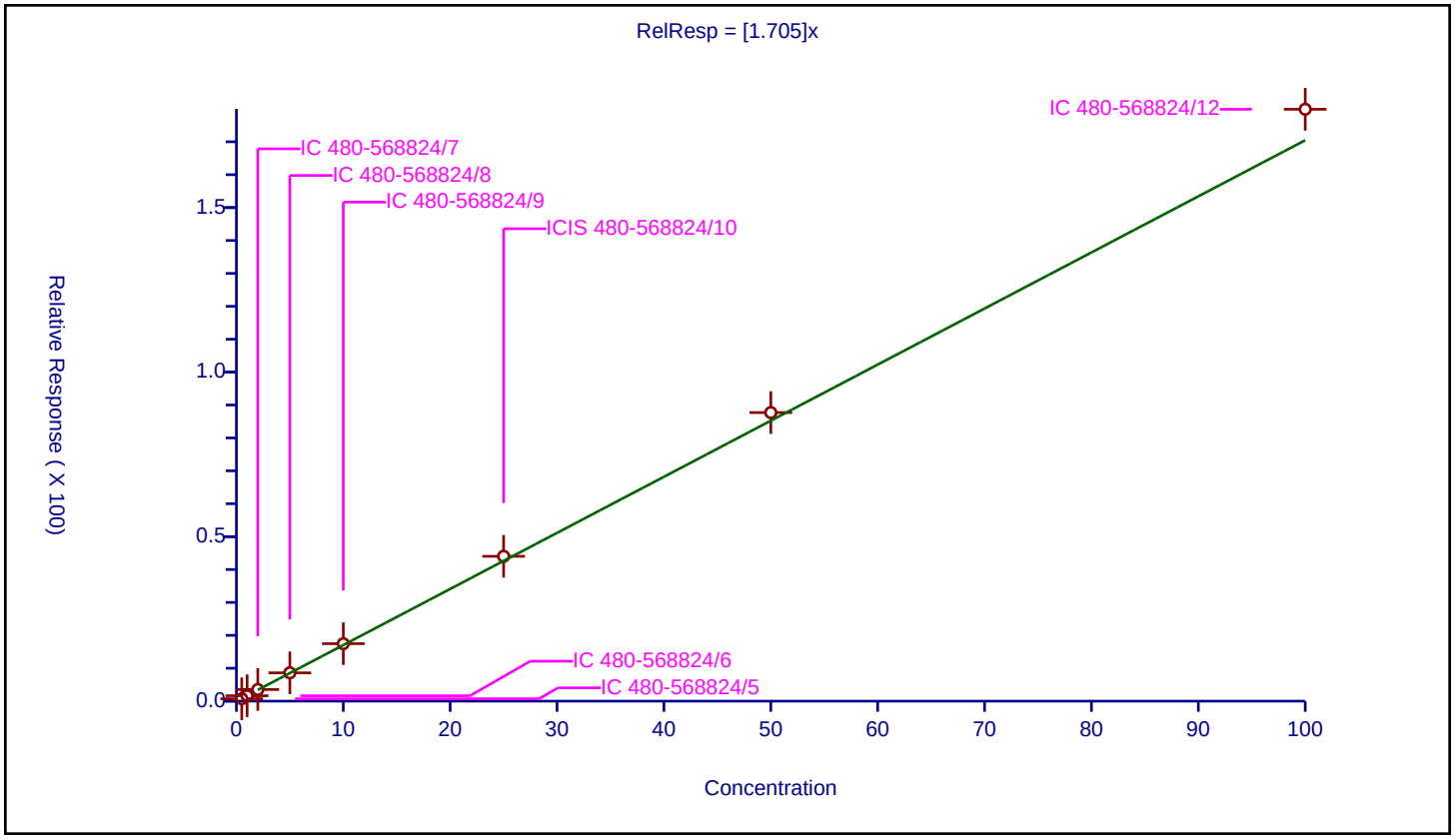
Curve Coefficients

Intercept:	0
Slope:	1.705

Error Coefficients

Standard Error:	1350000
Relative Standard Error:	6.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.724292	25.0	360766.0	1.448584	Y
2	IC 480-568824/6	1.0	1.639019	25.0	352589.0	1.639019	Y
3	IC 480-568824/7	2.0	3.535372	25.0	371043.0	1.767686	Y
4	IC 480-568824/8	5.0	8.609295	25.0	377287.0	1.721859	Y
5	IC 480-568824/9	10.0	17.460804	25.0	366299.0	1.74608	Y
6	ICIS 480-568824/10	25.0	44.026245	25.0	382858.0	1.76105	Y
7	IC 480-568824/11	50.0	87.704181	25.0	412134.0	1.754084	Y
8	IC 480-568824/12	100.0	179.881159	25.0	441514.0	1.798812	Y



Calibration / 4-Isopropyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

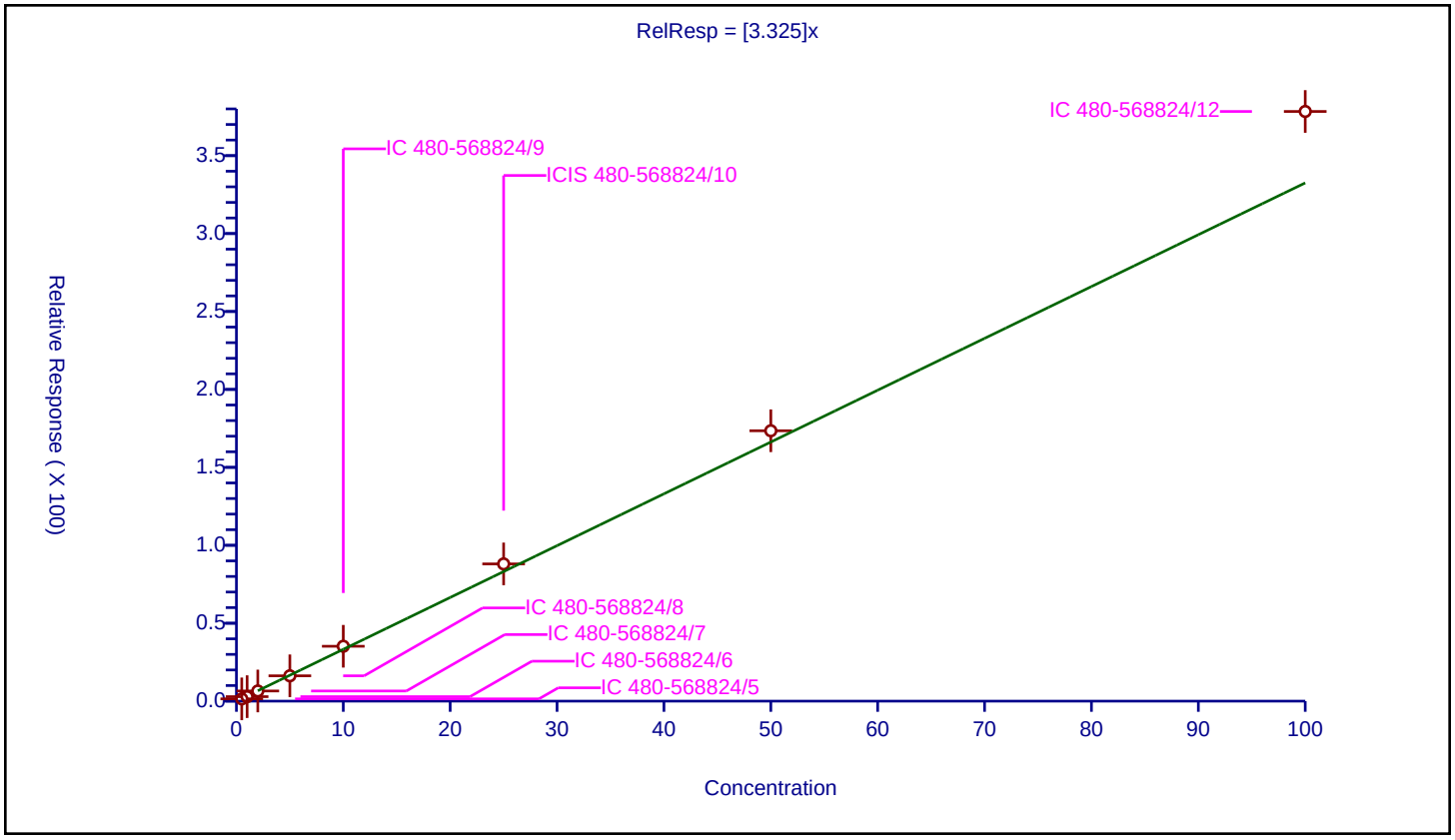
Curve Coefficients

Intercept:	0
Slope:	3.325

Error Coefficients

Standard Error:	2800000
Relative Standard Error:	9.4
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	1.460989	25.0	360766.0	2.921977	Y
2	IC 480-568824/6	1.0	2.875302	25.0	352589.0	2.875302	Y
3	IC 480-568824/7	2.0	6.512924	25.0	371043.0	3.256462	Y
4	IC 480-568824/8	5.0	16.252482	25.0	377287.0	3.250496	Y
5	IC 480-568824/9	10.0	35.220134	25.0	366299.0	3.522013	Y
6	ICIS 480-568824/10	25.0	88.055101	25.0	382858.0	3.522204	Y
7	IC 480-568824/11	50.0	173.474222	25.0	412134.0	3.469484	Y
8	IC 480-568824/12	100.0	378.348648	25.0	441514.0	3.783486	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

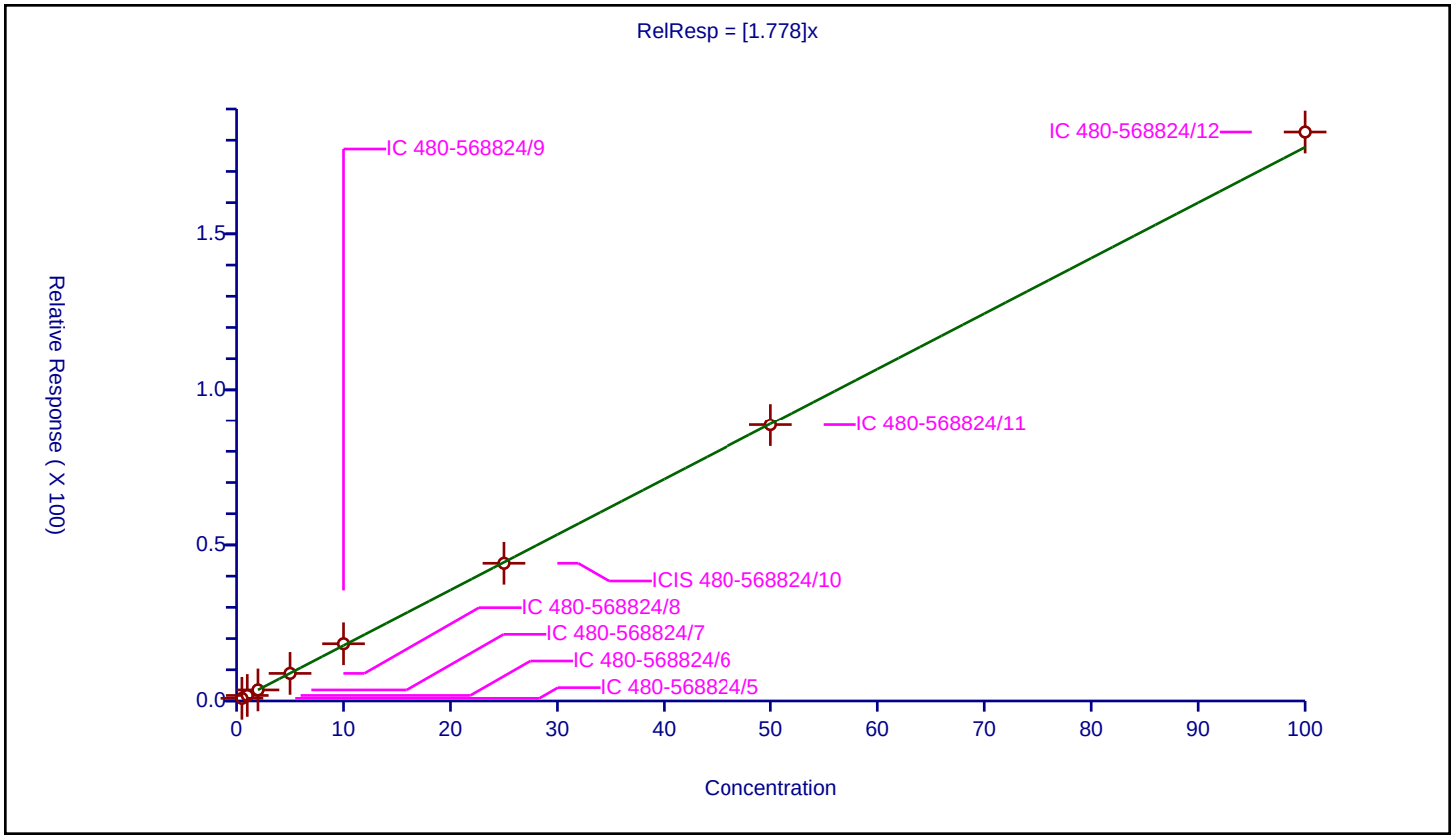
Curve Coefficients

Intercept:	0
Slope:	1.778

Error Coefficients

Standard Error:	1370000
Relative Standard Error:	2.1
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.856234	25.0	360766.0	1.712467	Y
2	IC 480-568824/6	1.0	1.775226	25.0	352589.0	1.775226	Y
3	IC 480-568824/7	2.0	3.537595	25.0	371043.0	1.768798	Y
4	IC 480-568824/8	5.0	8.840352	25.0	377287.0	1.76807	Y
5	IC 480-568824/9	10.0	18.336659	25.0	366299.0	1.833666	Y
6	ICIS 480-568824/10	25.0	44.125694	25.0	382858.0	1.765028	Y
7	IC 480-568824/11	50.0	88.574893	25.0	412134.0	1.771498	Y
8	IC 480-568824/12	100.0	182.622238	25.0	441514.0	1.826222	Y



Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

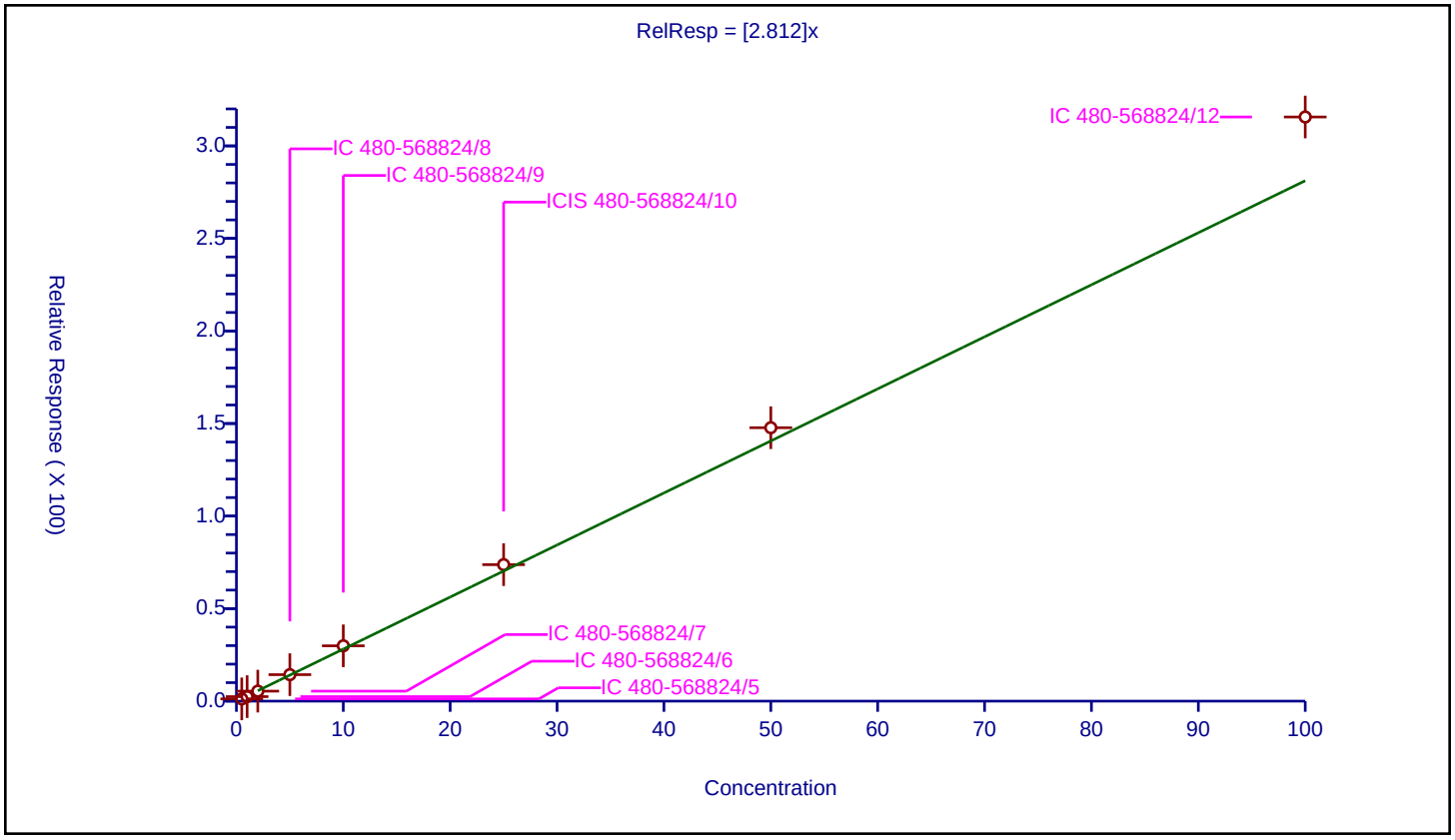
Curve Coefficients

Intercept:	0
Slope:	2.812

Error Coefficients

Standard Error:	2350000
Relative Standard Error:	9.3
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	1.223023	25.0	360766.0	2.446045	Y
2	IC 480-568824/6	1.0	2.433357	25.0	352589.0	2.433357	Y
3	IC 480-568824/7	2.0	5.406786	25.0	371043.0	2.703393	Y
4	IC 480-568824/8	5.0	14.309597	25.0	377287.0	2.861919	Y
5	IC 480-568824/9	10.0	29.896137	25.0	366299.0	2.989614	Y
6	ICIS 480-568824/10	25.0	73.750059	25.0	382858.0	2.950002	Y
7	IC 480-568824/11	50.0	147.738539	25.0	412134.0	2.954771	Y
8	IC 480-568824/12	100.0	315.630195	25.0	441514.0	3.156302	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

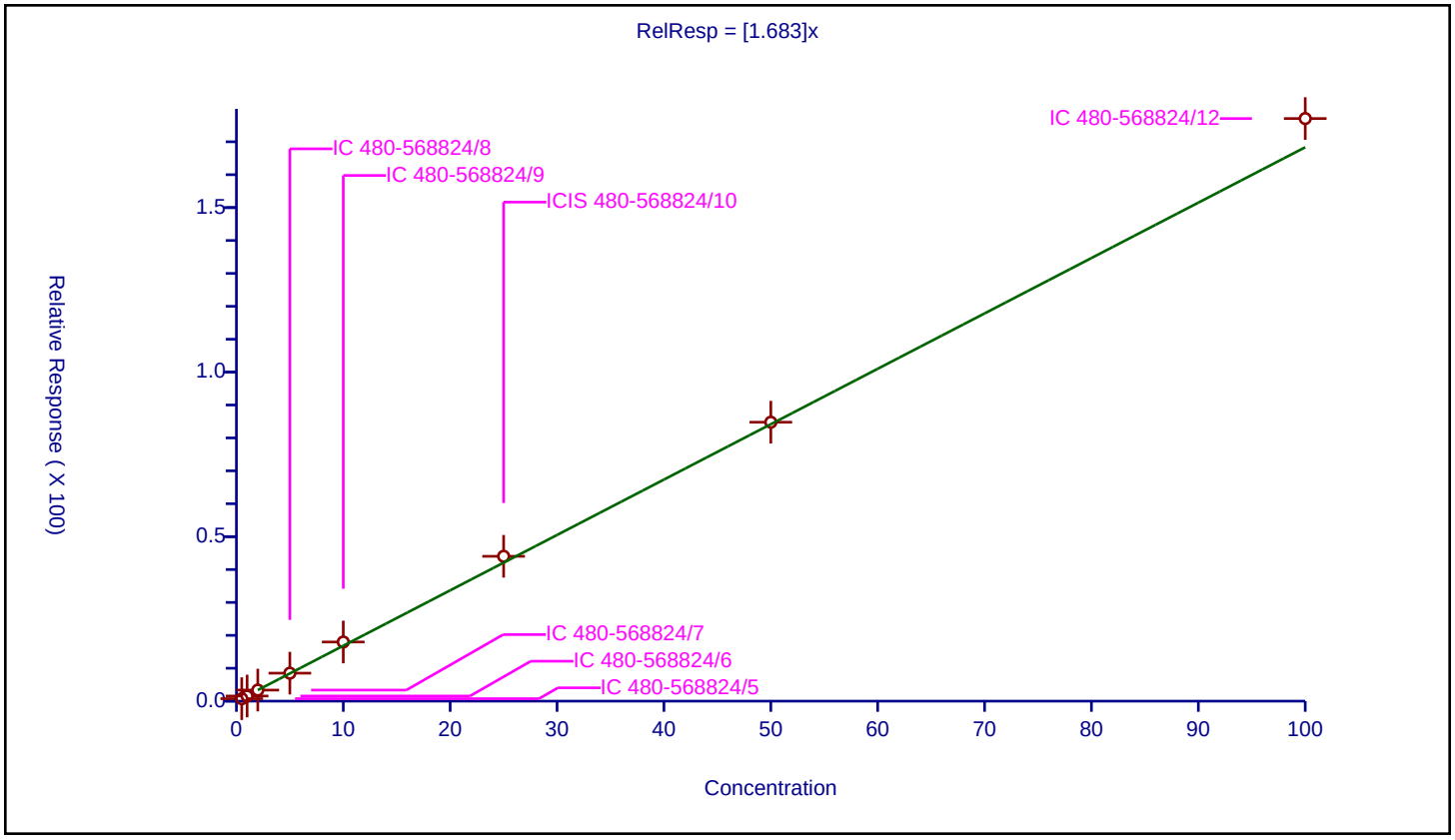
Curve Coefficients

Intercept:	0
Slope:	1.683

Error Coefficients

Standard Error:	1320000
Relative Standard Error:	6.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.752704	25.0	360766.0	1.505408	Y
2	IC 480-568824/6	1.0	1.554501	25.0	352589.0	1.554501	Y
3	IC 480-568824/7	2.0	3.363559	25.0	371043.0	1.681779	Y
4	IC 480-568824/8	5.0	8.502148	25.0	377287.0	1.70043	Y
5	IC 480-568824/9	10.0	17.976503	25.0	366299.0	1.79765	Y
6	ICIS 480-568824/10	25.0	44.024678	25.0	382858.0	1.760987	Y
7	IC 480-568824/11	50.0	84.775158	25.0	412134.0	1.695503	Y
8	IC 480-568824/12	100.0	177.059957	25.0	441514.0	1.7706	Y



Calibration / 1,2-Dibromo-3-Chloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

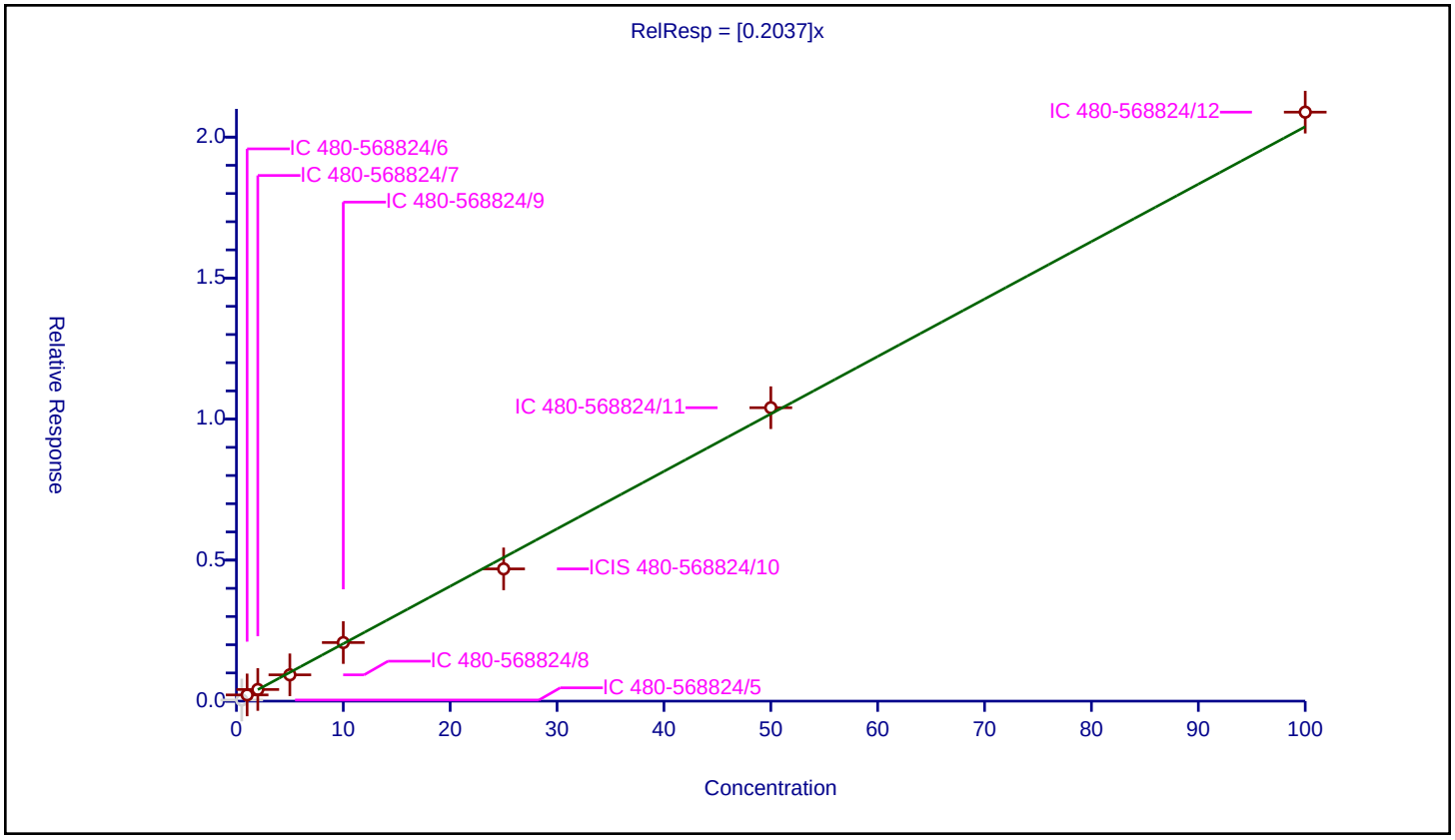
Curve Coefficients

Intercept:	0
Slope:	0.2037

Error Coefficients

Standard Error:	169000
Relative Standard Error:	6.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.040054	25.0	360766.0	0.080107	N
2	IC 480-568824/6	1.0	0.220583	25.0	352589.0	0.220583	Y
3	IC 480-568824/7	2.0	0.412823	25.0	371043.0	0.206411	Y
4	IC 480-568824/8	5.0	0.932844	25.0	377287.0	0.186569	Y
5	IC 480-568824/9	10.0	2.077333	25.0	366299.0	0.207733	Y
6	ICIS 480-568824/10	25.0	4.689598	25.0	382858.0	0.187584	Y
7	IC 480-568824/11	50.0	10.404626	25.0	412134.0	0.208093	Y
8	IC 480-568824/12	100.0	20.884445	25.0	441514.0	0.208844	Y



Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

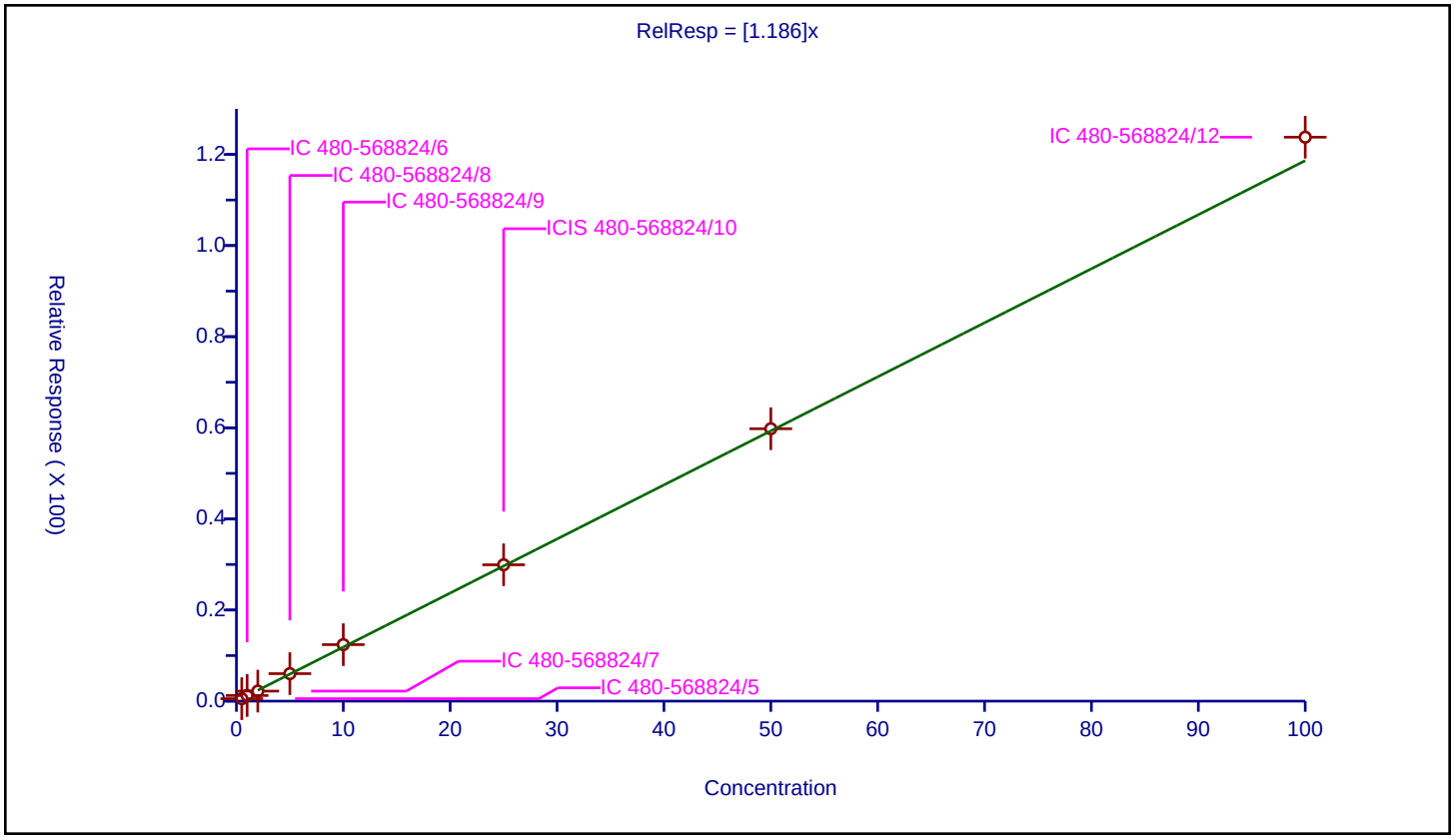
Curve Coefficients

Intercept:	0
Slope:	1.186

Error Coefficients

Standard Error:	926000
Relative Standard Error:	5.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.53823	25.0	360766.0	1.07646	Y
2	IC 480-568824/6	1.0	1.234866	25.0	352589.0	1.234866	Y
3	IC 480-568824/7	2.0	2.201766	25.0	371043.0	1.100883	Y
4	IC 480-568824/8	5.0	6.036916	25.0	377287.0	1.207383	Y
5	IC 480-568824/9	10.0	12.40503	25.0	366299.0	1.240503	Y
6	ICIS 480-568824/10	25.0	29.93081	25.0	382858.0	1.197232	Y
7	IC 480-568824/11	50.0	59.795115	25.0	412134.0	1.195902	Y
8	IC 480-568824/12	100.0	123.791092	25.0	441514.0	1.237911	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

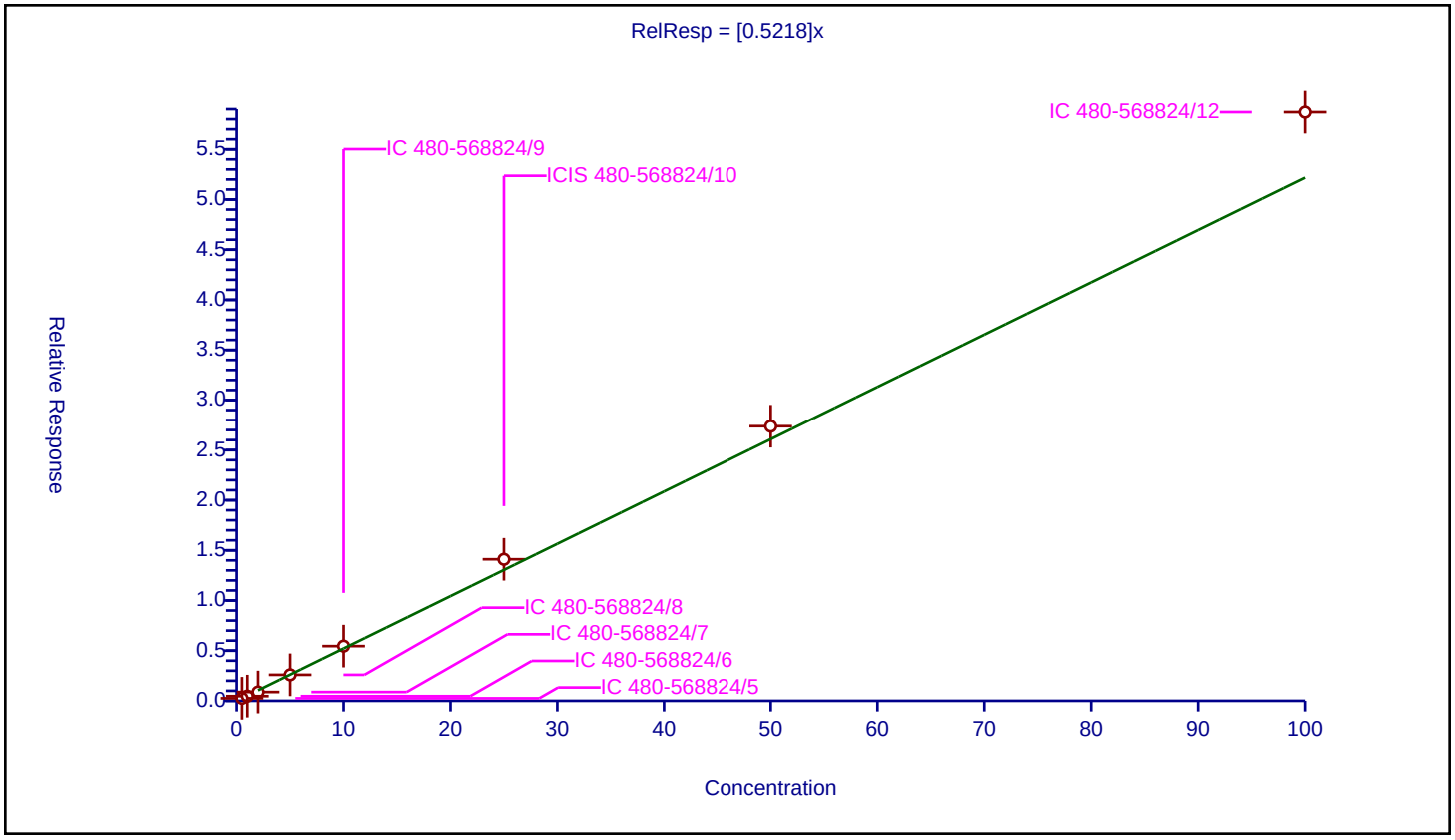
Curve Coefficients

Intercept:	0
Slope:	0.5218

Error Coefficients

Standard Error:	436000
Relative Standard Error:	9.6
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.25231	25.0	360766.0	0.504621	Y
2	IC 480-568824/6	1.0	0.468818	25.0	352589.0	0.468818	Y
3	IC 480-568824/7	2.0	0.876448	25.0	371043.0	0.438224	Y
4	IC 480-568824/8	5.0	2.591727	25.0	377287.0	0.518345	Y
5	IC 480-568824/9	10.0	5.452718	25.0	366299.0	0.545272	Y
6	ICIS 480-568824/10	25.0	14.108168	25.0	382858.0	0.564327	Y
7	IC 480-568824/11	50.0	27.385753	25.0	412134.0	0.547715	Y
8	IC 480-568824/12	100.0	58.702442	25.0	441514.0	0.587024	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

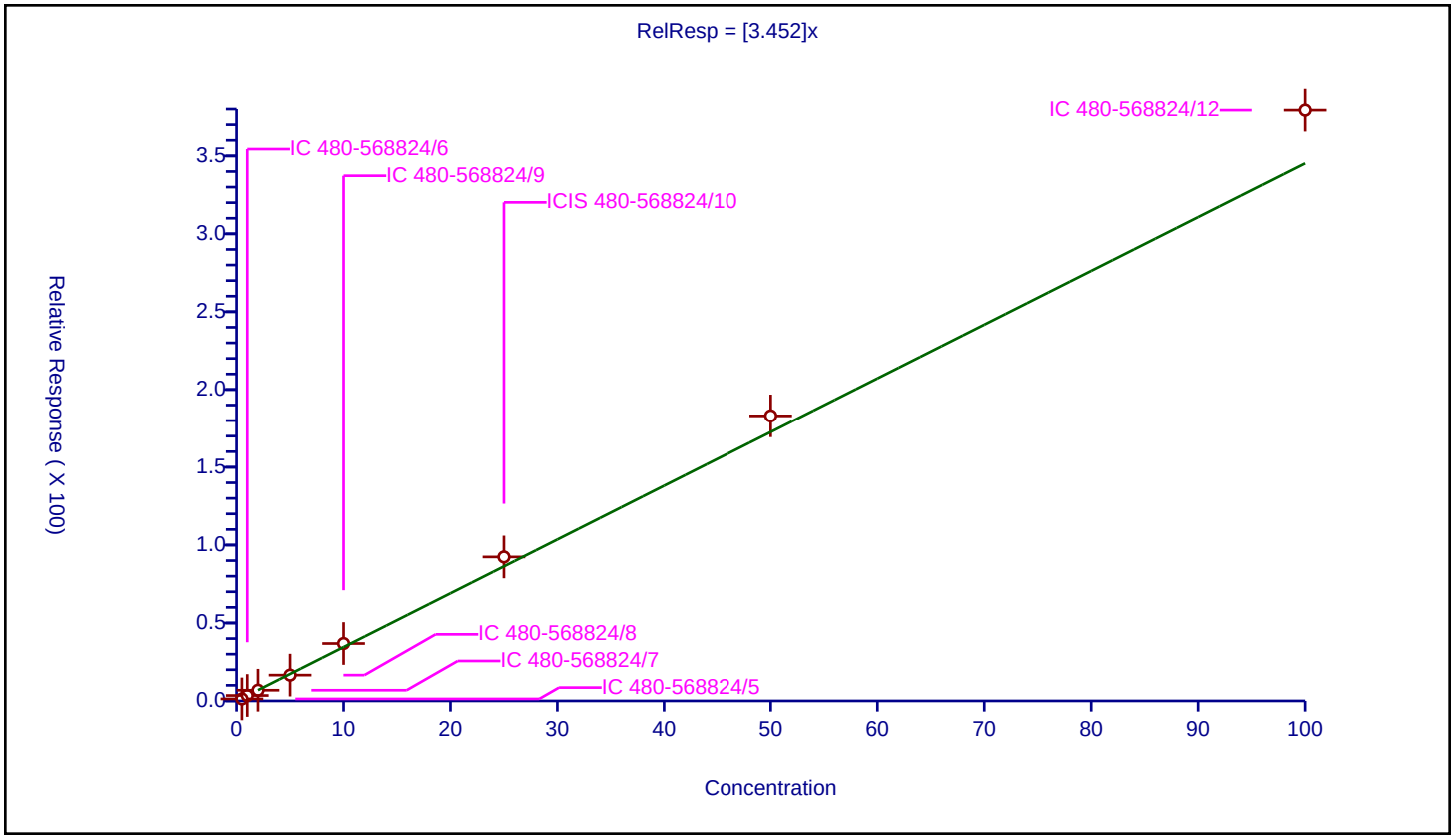
Curve Coefficients

Intercept:	0
Slope:	3.452

Error Coefficients

Standard Error:	2840000
Relative Standard Error:	11.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	1.288786	25.0	360766.0	2.577571	Y
2	IC 480-568824/6	1.0	3.474513	25.0	352589.0	3.474513	Y
3	IC 480-568824/7	2.0	6.853047	25.0	371043.0	3.426523	Y
4	IC 480-568824/8	5.0	16.544898	25.0	377287.0	3.30898	Y
5	IC 480-568824/9	10.0	36.831591	25.0	366299.0	3.683159	Y
6	ICIS 480-568824/10	25.0	92.361071	25.0	382858.0	3.694443	Y
7	IC 480-568824/11	50.0	183.054904	25.0	412134.0	3.661098	Y
8	IC 480-568824/12	100.0	379.323419	25.0	441514.0	3.793234	Y



Calibration / 1,2,3-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

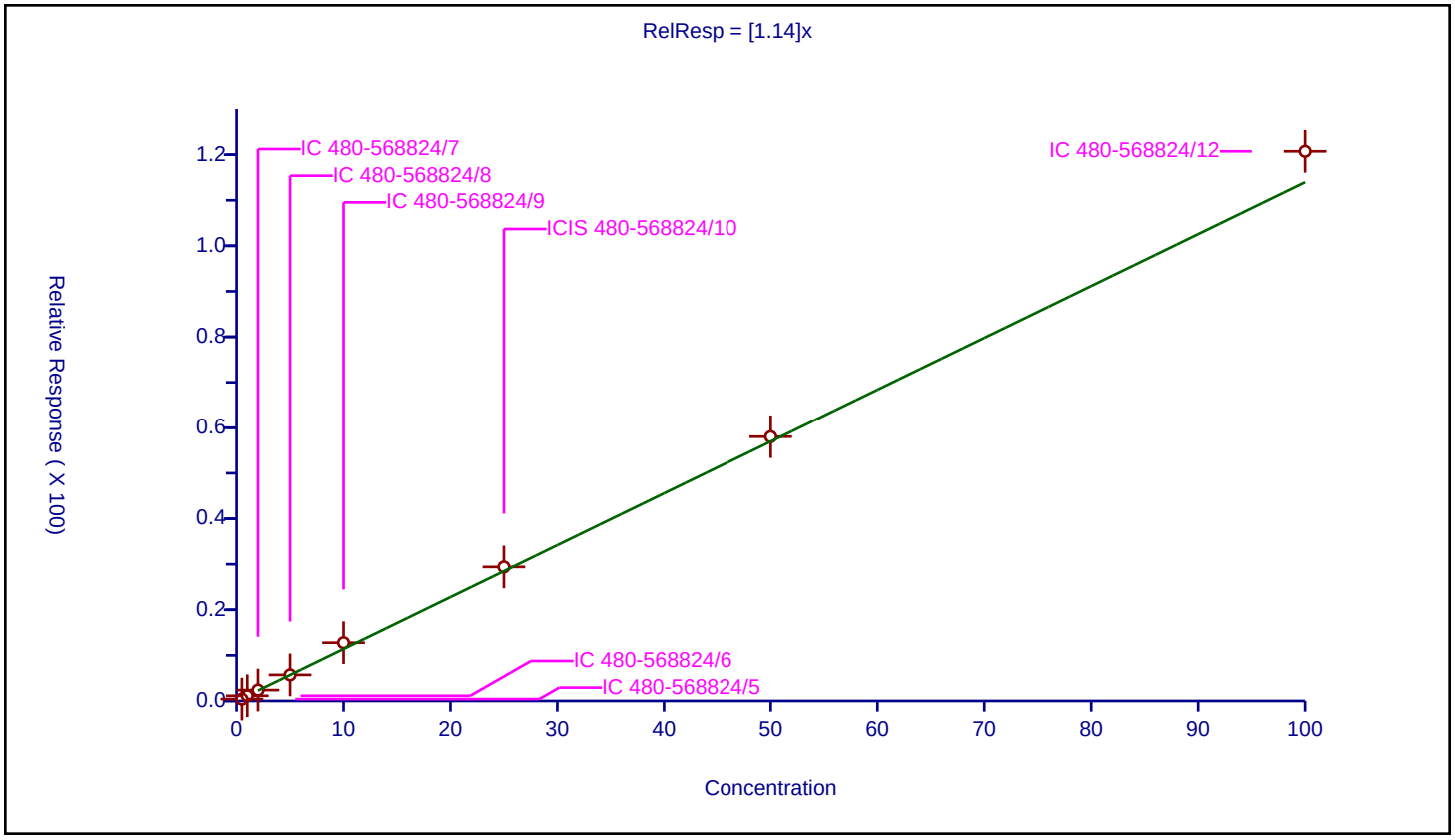
Curve Coefficients

Intercept:	0
Slope:	1.14

Error Coefficients

Standard Error:	903000
Relative Standard Error:	12.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-568824/5	0.5	0.409545	25.0	360766.0	0.81909	Y
2	IC 480-568824/6	1.0	1.136734	25.0	352589.0	1.136734	Y
3	IC 480-568824/7	2.0	2.389144	25.0	371043.0	1.194572	Y
4	IC 480-568824/8	5.0	5.717796	25.0	377287.0	1.143559	Y
5	IC 480-568824/9	10.0	12.776721	25.0	366299.0	1.277672	Y
6	ICIS 480-568824/10	25.0	29.408684	25.0	382858.0	1.176347	Y
7	IC 480-568824/11	50.0	58.040831	25.0	412134.0	1.160817	Y
8	IC 480-568824/12	100.0	120.737621	25.0	441514.0	1.207376	Y



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Lab Sample ID: ICV 480-570211/27 Calibration Date: 02/22/2021 23:34

Instrument ID: HP5973C Calib Start Date: 02/22/2021 14:50

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 02/22/2021 17:46

Lab File ID: C4199.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.724	1.511	0.1000	21.9	25.0	-12.4	50.0
Chloromethane	Ave	1.812	1.586	0.1000	21.9	25.0	-12.5	30.0
Vinyl chloride	Ave	1.739	1.513	0.1000	21.7	25.0	-13.0	30.0
Butadiene	Ave	1.718	1.358		19.8	25.0	-21.0	30.0
Bromomethane	Ave	0.9872	0.8508	0.1000	21.5	25.0	-13.8	50.0
Chloroethane	Ave	0.9214	0.8347	0.1000	22.6	25.0	-9.4	50.0
Dichlorofluoromethane	Ave	2.332	2.071		22.2	25.0	-11.2	30.0
Trichlorofluoromethane	Ave	1.991	1.759	0.1000	22.1	25.0	-11.6	30.0
Ethyl ether	Ave	1.166	1.264		27.1	25.0	8.4	30.0
Acrolein	Ave	0.2139	0.3138		183	125	46.7	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.225	1.243	0.1000	25.4	25.0	1.5	30.0
1,1-Dichloroethene	Ave	1.281	1.272	0.1000	24.8	25.0	-0.8	30.0
Acetone	Ave	0.6009	0.6678	0.1000	139	125	11.1	50.0
Iodomethane	Ave	2.323	2.446		26.3	25.0	5.3	30.0
Carbon disulfide	Ave	4.094	4.167	0.1000	25.4	25.0	1.8	30.0
Allyl chloride	Ave	1.966	1.954		24.8	25.0	-0.6	30.0
Methyl acetate	Ave	1.427	1.575	0.1000	55.2	50.0	10.4	50.0
Methylene Chloride	Lin1		1.453	0.1000	26.0	25.0	4.0	30.0
2-Methyl-2-propanol	Ave	0.2026	0.2517		311	250	24.2	50.0
Methyl tert-butyl ether	Ave	4.011	4.156	0.1000	25.9	25.0	3.6	30.0
trans-1,2-Dichloroethene	Ave	1.407	1.476	0.1000	26.2	25.0	4.9	30.0
Acrylonitrile	Ave	0.7977	0.8937		280	250	12.0	30.0
Hexane	Ave	1.986	1.829		23.0	25.0	-7.9	30.0
1,1-Dichloroethane	Ave	2.384	2.395	0.2000	25.1	25.0	0.5	30.0
Vinyl acetate	Ave	2.360	2.311		49.0	50.0	-2.1	30.0
2,2-Dichloropropane	Ave	1.295	1.160		22.4	25.0	-10.5	30.0
cis-1,2-Dichloroethene	Ave	1.510	1.630	0.1000	27.0	25.0	8.0	30.0
2-Butanone (MEK)	Ave	0.9393	1.057	0.1000	141	125	12.5	30.0
Chlorobromomethane	Ave	0.8339	0.8376		25.1	25.0	0.4	30.0
Tetrahydrofuran	Ave	0.7010	0.7393		52.7	50.0	5.5	30.0
Chloroform	Ave	2.428	2.319	0.2000	23.9	25.0	-4.5	30.0
1,1,1-Trichloroethane	Ave	1.850	1.890	0.1000	25.5	25.0	2.2	30.0
Cyclohexane	Ave	2.372	2.388	0.1000	25.2	25.0	0.7	30.0
Carbon tetrachloride	Ave	1.395	1.468	0.1000	26.3	25.0	5.2	30.0
1,1-Dichloropropene	Ave	1.749	1.712		24.5	25.0	-2.1	30.0
Benzene	Ave	5.080	5.183	0.5000	25.5	25.0	2.0	30.0
Isobutyl alcohol	Ave	0.0632	0.0764		756	625	20.9	50.0
1,2-Dichloroethane	Ave	1.878	1.872	0.1000	24.9	25.0	-0.3	30.0
n-Heptane	Ave	1.891	1.772		23.4	25.0	-6.3	30.0
Trichloroethene	Ave	1.329	1.332	0.2000	25.0	25.0	0.2	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Lab Sample ID: ICV 480-570211/27 Calibration Date: 02/22/2021 23:34

Instrument ID: HP5973C Calib Start Date: 02/22/2021 14:50

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 02/22/2021 17:46

Lab File ID: C4199.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.291	2.321	0.1000	25.3	25.0	1.3	30.0
1,2-Dichloropropane	Ave	1.175	1.247	0.1000	26.5	25.0	6.1	30.0
1,4-Dioxane	Ave	0.0102	0.0111		541	500	8.3	50.0
Dibromomethane	Ave	0.8492	0.9141	0.1000	26.9	25.0	7.6	30.0
Bromodichloromethane	Ave	1.151	1.386	0.2000	30.1	25.0	20.4	30.0
2-Chloroethyl vinyl ether	Ave	0.7700	0.8896		28.9	25.0	15.5	30.0
cis-1,3-Dichloropropene	Ave	1.555	1.775	0.2000	28.5	25.0	14.1	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.8686	1.026	0.1000	148	125	18.2	30.0
Toluene	Ave	1.553	1.605	0.4000	25.8	25.0	3.4	30.0
trans-1,3-Dichloropropene	Lin1		0.7737	0.1000	23.6	25.0	-5.5	30.0
Ethyl methacrylate	Ave	0.7134	0.7849		27.5	25.0	10.0	30.0
1,1,2-Trichloroethane	Ave	0.4404	0.4843	0.1000	27.5	25.0	10.0	30.0
Tetrachloroethene	Ave	0.6996	0.7293	0.2000	26.1	25.0	4.2	30.0
1,3-Dichloropropane	Ave	0.8969	0.9777		27.3	25.0	9.0	30.0
2-Hexanone	Ave	0.5674	0.6889	0.1000	152	125	21.4	30.0
Dibromochloromethane	Ave	0.4031	0.4894	0.1000	30.4	25.0	21.4	30.0
1,2-Dibromoethane	Ave	0.5876	0.6441		27.4	25.0	9.6	30.0
Chlorobenzene	Ave	1.761	1.831	0.5000	26.0	25.0	3.9	30.0
Ethylbenzene	Ave	2.919	3.034	0.1000	26.0	25.0	3.9	30.0
1,1,1,2-Tetrachloroethane	Ave	0.5119	0.5939		29.0	25.0	16.0	30.0
m,p-Xylene	Ave	1.177	1.221	0.1000	25.9	25.0	3.7	30.0
o-Xylene	Ave	1.204	1.296	0.3000	26.9	25.0	7.6	30.0
Styrene	Ave	1.925	1.951	0.3000	25.3	25.0	1.3	30.0
Bromoform	Lin1		0.3093	0.1000	24.5	25.0	-1.8	50.0
Isopropylbenzene	Ave	2.762	2.989	0.1000	27.1	25.0	8.2	30.0
Bromobenzene	Ave	0.7057	0.7376		26.1	25.0	4.5	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7415	0.8223	0.3000	27.7	25.0	10.9	30.0
1,2,3-Trichloropropane	Ave	0.2879	0.3145		27.3	25.0	9.2	30.0
N-Propylbenzene	Ave	3.150	3.312		26.3	25.0	5.1	30.0
trans-1,4-Dichloro-2-butene	Ave	0.2604	0.2695		25.9	25.0	3.5	50.0
2-Chlorotoluene	Ave	0.6771	0.7174		26.5	25.0	6.0	30.0
1,3,5-Trimethylbenzene	Ave	2.321	2.588		27.9	25.0	11.5	30.0
4-Chlorotoluene	Ave	0.6695	0.7136		26.6	25.0	6.6	30.0
tert-Butylbenzene	Ave	0.5083	0.5807		28.6	25.0	14.2	30.0
1,2,4-Trimethylbenzene	Ave	2.443	2.648		27.1	25.0	8.4	30.0
sec-Butylbenzene	Ave	2.972	3.256		27.4	25.0	9.6	30.0
4-Isopropyltoluene	Ave	2.611	2.868		27.5	25.0	9.8	30.0
1,3-Dichlorobenzene	Ave	1.392	1.476	0.6000	26.5	25.0	6.0	30.0
1,4-Dichlorobenzene	Ave	1.448	1.510	0.5000	26.1	25.0	4.3	30.0
n-Butylbenzene	Ave	2.361	2.472		26.2	25.0	4.7	30.0
1,2-Dichlorobenzene	Ave	1.454	1.517	0.4000	26.1	25.0	4.3	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Lab Sample ID: ICV 480-570211/27 Calibration Date: 02/22/2021 23:34

Instrument ID: HP5973C Calib Start Date: 02/22/2021 14:50

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 02/22/2021 17:46

Lab File ID: C4199.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Lin1		0.1882	0.0500	25.6	25.0	2.4	50.0
1,2,4-Trichlorobenzene	Ave	1.139	1.218	0.2000	26.7	25.0	7.0	30.0
Hexachlorobutadiene	Ave	0.5211	0.5610		26.9	25.0	7.7	30.0
Naphthalene	Ave	3.723	4.103		27.6	25.0	10.2	30.0
1,2,3-Trichlorobenzene	Ave	1.123	1.233		27.4	25.0	9.7	30.0
Dibromofluoromethane (Surr)	Ave	1.342	1.385		25.8	25.0	3.2	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8195	0.8472		25.8	25.0	3.4	30.0
Toluene-d8 (Surr)	Ave	2.455	2.534		25.8	25.0	3.2	30.0
4-Bromofluorobenzene (Surr)	Ave	0.8072	0.8188		25.4	25.0	1.4	30.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4199.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 22-Feb-2021 23:34:30 ALS Bottle#: 25 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: icv
Misc. Info.: 480-0096781-027
Operator ID: RF Instrument ID: HP5973C
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Feb-2021 11:31:09 Calib Date: 22-Feb-2021 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4196.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1673

First Level Reviewer: HillL Date: 23-Feb-2021 12:17:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.811	4.811	0.000	99	155779	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.122	7.122	0.000	84	294144	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.987	8.987	0.000	93	332929	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.334	4.334	0.000	95	215706	25.0	25.8	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.593	4.593	0.000	68	131981	25.0	25.8	
$ 5 Toluene-d8 (Surr)	98	5.992	5.992	0.000	93	745215	25.0	25.8	
$ 6 4-Bromofluorobenzene (Surr)	174	8.054	8.054	0.000	93	240847	25.0	25.4	
10 Dichlorodifluoromethane	85	1.070	1.070	0.000	99	235406	25.0	21.9	
12 Chloromethane	50	1.236	1.235	0.001	99	247058	25.0	21.9	
13 Vinyl chloride	62	1.318	1.318	0.000	98	235627	25.0	21.7	
151 Butadiene	54	1.339	1.339	0.000	90	211501	25.0	19.8	
14 Bromomethane	94	1.598	1.598	0.000	91	132531	25.0	21.5	
15 Chloroethane	64	1.691	1.691	0.000	99	130027	25.0	22.6	
17 Trichlorofluoromethane	101	1.899	1.899	0.000	72	274013	25.0	22.1	
16 Dichlorofluoromethane	67	1.899	1.899	0.000	96	322608	25.0	22.2	
18 Ethyl ether	59	2.189	2.189	0.000	90	196960	25.0	27.1	
20 Acrolein	56	2.365	2.365	0.000	100	244382	125.0	183.4	
21 112TCTFE	101	2.386	2.386	0.000	88	193702	25.0	25.4	
22 1,1-Dichloroethene	96	2.396	2.396	0.000	98	198117	25.0	24.8	
23 Acetone	43	2.521	2.510	0.011	100	520144	125.0	138.9	
25 Iodomethane	142	2.552	2.541	0.011	98	380964	25.0	26.3	
26 Carbon disulfide	76	2.583	2.572	0.011	99	649190	25.0	25.4	
28 3-Chloro-1-propene	41	2.749	2.748	0.001	92	304341	25.0	24.8	
27 Methyl acetate	43	2.800	2.790	0.010	98	490793	50.0	55.2	
30 Methylene Chloride	84	2.883	2.883	0.000	92	226301	25.0	26.0	
31 2-Methyl-2-propanol	59	3.049	3.049	0.000	99	392059	250.0	310.5	
32 Methyl tert-butyl ether	73	3.080	3.080	0.000	98	647443	25.0	25.9	
34 trans-1,2-Dichloroethene	96	3.091	3.090	0.000	99	229978	25.0	26.2	
33 Acrylonitrile	53	3.142	3.142	0.000	99	1392176	250.0	280.1	
35 Hexane	57	3.267	3.267	0.000	91	284951	25.0	23.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.464	3.463	0.001	96	373102	25.0	25.1	
37 Vinyl acetate	43	3.515	3.515	0.000	97	719862	50.0	49.0	
44 2,2-Dichloropropane	77	3.909	3.909	0.000	91	180640	25.0	22.4	
45 cis-1,2-Dichloroethene	96	3.940	3.940	0.000	78	253889	25.0	27.0	
43 2-Butanone (MEK)	43	3.971	3.971	0.000	100	823146	125.0	140.6	
48 Chlorobromomethane	128	4.148	4.147	0.001	91	130481	25.0	25.1	
49 Tetrahydrofuran	42	4.158	4.158	0.000	87	230329	50.0	52.7	
50 Chloroform	83	4.210	4.210	0.000	94	361181	25.0	23.9	
51 1,1,1-Trichloroethane	97	4.303	4.303	0.000	98	294417	25.0	25.5	
52 Cyclohexane	56	4.303	4.303	0.000	88	372049	25.0	25.2	
55 Carbon tetrachloride	117	4.417	4.417	0.000	97	228659	25.0	26.3	
54 1,1-Dichloropropene	75	4.427	4.427	0.000	96	266750	25.0	24.5	
57 Benzene	78	4.593	4.593	0.000	96	807338	25.0	25.5	
53 Isobutyl alcohol	43	4.604	4.603	0.001	91	297720	625.0	755.5	
58 1,2-Dichloroethane	62	4.645	4.645	0.000	97	291649	25.0	24.9	
59 n-Heptane	43	4.728	4.728	0.000	93	275964	25.0	23.4	
62 Trichloroethene	95	5.080	5.080	0.000	95	207443	25.0	25.0	
64 Methylcyclohexane	83	5.173	5.173	0.000	89	361491	25.0	25.3	
65 1,2-Dichloropropane	63	5.277	5.277	0.000	96	194220	25.0	26.5	
67 Dibromomethane	93	5.381	5.381	0.000	94	142396	25.0	26.9	
66 1,4-Dioxane	88	5.381	5.391	-0.010	94	65019	500.0	541.4	
68 Dichlorobromomethane	83	5.495	5.495	0.000	98	215913	25.0	30.1	
69 2-Chloroethyl vinyl ether	63	5.712	5.712	0.000	93	138585	25.0	28.9	
72 cis-1,3-Dichloropropene	75	5.816	5.816	0.000	96	276544	25.0	28.5	
73 4-Methyl-2-pentanone (MIBK)	43	5.930	5.930	0.000	95	1509585	125.0	147.7	
74 Toluene	92	6.044	6.044	0.000	98	472064	25.0	25.8	
77 trans-1,3-Dichloropropene	75	6.251	6.251	0.000	89	227583	25.0	23.6	
75 Ethyl methacrylate	69	6.272	6.282	-0.010	89	230862	25.0	27.5	
79 1,1,2-Trichloroethane	83	6.396	6.396	0.000	92	142446	25.0	27.5	
81 Tetrachloroethene	166	6.448	6.448	0.000	97	214516	25.0	26.1	
82 1,3-Dichloropropane	76	6.521	6.521	0.000	91	287577	25.0	27.3	
80 2-Hexanone	43	6.562	6.562	0.000	94	1013202	125.0	151.8	
83 Chlorodibromomethane	129	6.707	6.707	0.000	90	143968	25.0	30.4	
84 Ethylene Dibromide	107	6.790	6.790	0.000	99	189447	25.0	27.4	
87 Chlorobenzene	112	7.142	7.142	0.000	97	538434	25.0	26.0	
88 Ethylbenzene	91	7.205	7.205	0.000	98	892288	25.0	26.0	
89 1,1,1,2-Tetrachloroethane	131	7.215	7.215	0.000	92	174688	25.0	29.0	
90 m-Xylene & p-Xylene	106	7.288	7.287	0.001	97	359124	25.0	25.9	
91 o-Xylene	106	7.609	7.609	0.000	97	381259	25.0	26.9	
92 Styrene	104	7.630	7.629	0.001	95	573956	25.0	25.3	
95 Bromoform	173	7.826	7.826	0.000	97	90981	25.0	24.5	
94 Isopropylbenzene	105	7.899	7.899	0.000	95	995113	25.0	27.1	
101 Bromobenzene	156	8.179	8.179	0.000	89	245567	25.0	26.1	
97 1,1,2,2-Tetrachloroethane	83	8.199	8.199	0.000	96	273769	25.0	27.7	
100 1,2,3-Trichloropropane	110	8.231	8.230	0.001	86	104704	25.0	27.3	
99 N-Propylbenzene	91	8.231	8.230	0.001	99	1102619	25.0	26.3	
98 trans-1,4-Dichloro-2-butene	53	8.241	8.241	0.000	77	89723	25.0	25.9	
103 2-Chlorotoluene	126	8.313	8.313	0.000	98	238856	25.0	26.5	
102 1,3,5-Trimethylbenzene	105	8.365	8.365	0.000	94	861731	25.0	27.9	
105 4-Chlorotoluene	126	8.407	8.407	0.000	96	237571	25.0	26.6	
106 tert-Butylbenzene	134	8.624	8.624	0.000	92	193341	25.0	28.6	
107 1,2,4-Trimethylbenzene	105	8.676	8.676	0.000	96	881739	25.0	27.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.801	8.800	0.001	94	1084159	25.0	27.4	
110 4-Isopropyltoluene	119	8.925	8.925	0.000	97	954945	25.0	27.5	
111 1,3-Dichlorobenzene	146	8.935	8.935	0.000	98	491348	25.0	26.5	
113 1,4-Dichlorobenzene	146	9.008	9.008	0.000	96	502660	25.0	26.1	
115 n-Butylbenzene	91	9.257	9.256	0.000	97	823023	25.0	26.2	
116 1,2-Dichlorobenzene	146	9.319	9.319	0.000	98	504941	25.0	26.1	
117 1,2-Dibromo-3-Chloropropane	75	9.982	9.992	-0.010	86	62655	25.0	25.6	
119 1,2,4-Trichlorobenzene	180	10.635	10.635	0.000	94	405637	25.0	26.7	
120 Hexachlorobutadiene	225	10.738	10.738	0.000	98	186763	25.0	26.9	
121 Naphthalene	128	10.852	10.852	0.000	97	1365855	25.0	27.6	
122 1,2,3-Trichlorobenzene	180	11.039	11.039	0.000	96	410438	25.0	27.4	

QC Flag Legend

Processing Flags

Reagents:

SS 8260 CORP_00090	Amount Added: 12.50	Units: uL	
SS GAS CORP_00392	Amount Added: 12.50	Units: uL	
C_8260_IS_00152	Amount Added: 2.00	Units: uL	Run Reagent
C_8260_Surr_00169	Amount Added: 2.00	Units: uL	Run Reagent

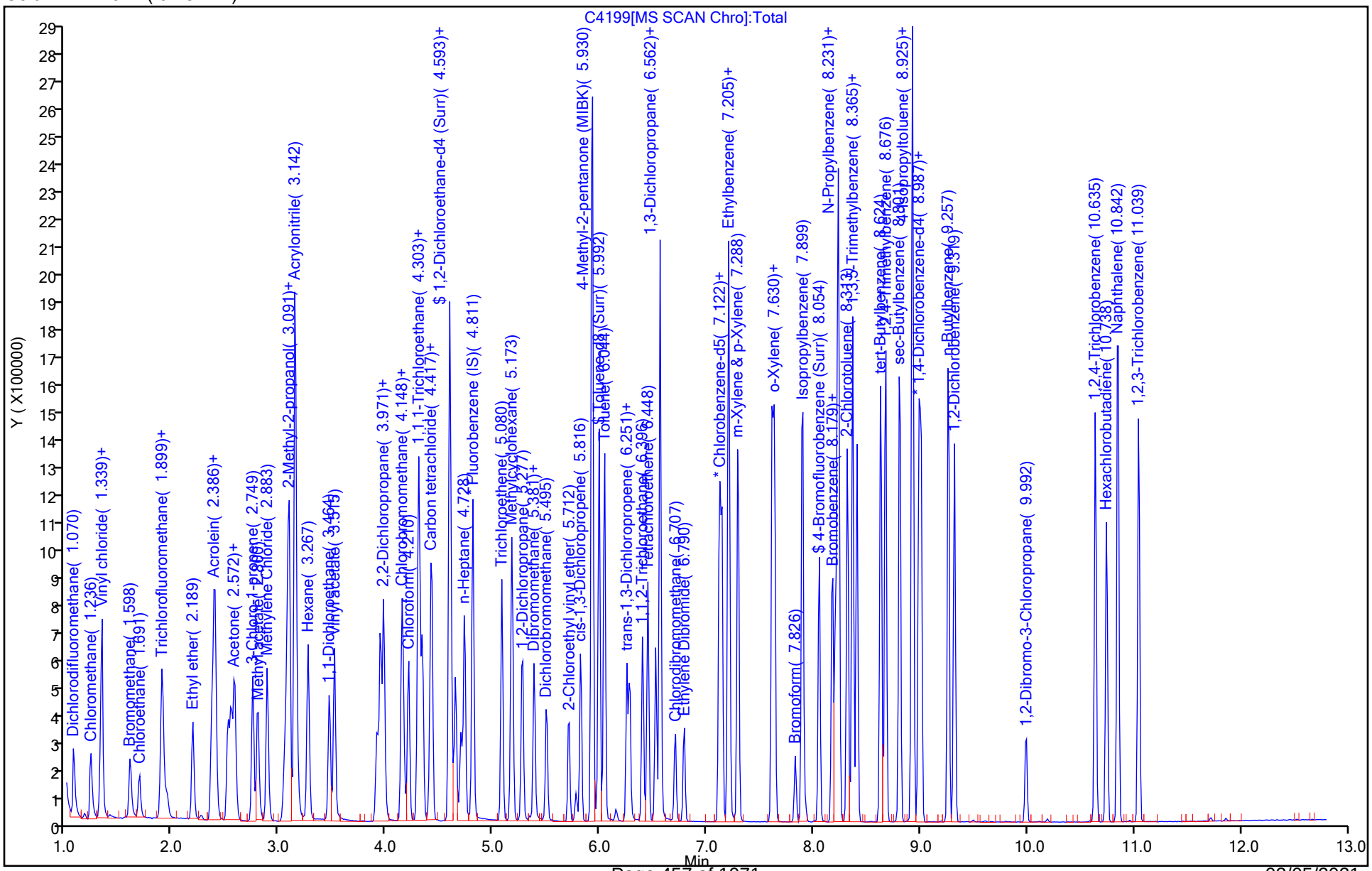
Report Date: 25-Feb-2021 11:31:26 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4199.D

Injection Date:	22-Feb-2021 23:34:30	Instrument ID:	HP5973C	Operator ID:	RF
Lims ID:	ICV			Worklist Smp#:	27
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Lab Sample ID: CCVIS 480-570785/3 Calibration Date: 02/27/2021 09:15

Instrument ID: HP5973C Calib Start Date: 02/22/2021 14:50

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 02/22/2021 17:46

Lab File ID: C4282.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.724	1.532	0.1000	22.2	25.0	-11.1	50.0
Chloromethane	Ave	1.812	1.717	0.1000	23.7	25.0	-5.2	20.0
Vinyl chloride	Ave	1.739	1.593	0.1000	22.9	25.0	-8.4	20.0
Butadiene	Ave	1.718	1.446		21.0	25.0	-15.9	20.0
Bromomethane	Ave	0.9872	1.020	0.1000	25.8	25.0	3.4	50.0
Chloroethane	Ave	0.9214	0.8768	0.1000	23.8	25.0	-4.8	50.0
Dichlorofluoromethane	Ave	2.332	2.009		21.5	25.0	-13.8	20.0
Trichlorofluoromethane	Ave	1.991	1.778	0.1000	22.3	25.0	-10.7	20.0
Ethyl ether	Ave	1.166	1.144		24.5	25.0	-1.9	20.0
Acrolein	Ave	0.2139	0.1568		91.6	125	-26.7	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.225	1.054	0.1000	21.5	25.0	-14.0	20.0
1,1-Dichloroethene	Ave	1.281	1.153	0.1000	22.5	25.0	-10.1	20.0
Acetone	Ave	0.6009	0.6221	0.1000	129	125	3.5	50.0
Iodomethane	Ave	2.323	2.351		25.3	25.0	1.2	20.0
Carbon disulfide	Ave	4.094	3.719	0.1000	22.7	25.0	-9.2	20.0
Allyl chloride	Ave	1.966	1.874		23.8	25.0	-4.7	20.0
Methyl acetate	Ave	1.427	1.350	0.1000	47.3	50.0	-5.4	50.0
Methylene Chloride	Lin1		1.432	0.1000	25.6	25.0	2.4	20.0
2-Methyl-2-propanol	Ave	0.2026	0.1859		229	250	-8.3	50.0
Methyl tert-butyl ether	Ave	4.011	4.073	0.1000	25.4	25.0	1.6	20.0
trans-1,2-Dichloroethene	Ave	1.407	1.441	0.1000	25.6	25.0	2.4	20.0
Acrylonitrile	Ave	0.7977	0.7722		242	250	-3.2	20.0
Hexane	Ave	1.986	1.509		19.0	25.0	-24.0*	20.0
1,1-Dichloroethane	Ave	2.384	2.403	0.2000	25.2	25.0	0.8	20.0
Vinyl acetate	Ave	2.360	2.301		48.8	50.0	-2.5	20.0
2,2-Dichloropropane	Ave	1.295	1.336		25.8	25.0	3.1	20.0
cis-1,2-Dichloroethene	Ave	1.510	1.552	0.1000	25.7	25.0	2.8	20.0
2-Butanone (MEK)	Ave	0.9393	0.9188	0.1000	122	125	-2.2	20.0
Chlorobromomethane	Ave	0.8339	0.8689		26.1	25.0	4.2	20.0
Tetrahydrofuran	Ave	0.7010	0.6569		46.9	50.0	-6.3	20.0
Chloroform	Ave	2.428	2.330	0.2000	24.0	25.0	-4.0	20.0
1,1,1-Trichloroethane	Ave	1.850	1.931	0.1000	26.1	25.0	4.4	20.0
Cyclohexane	Ave	2.372	2.074	0.1000	21.9	25.0	-12.6	20.0
Carbon tetrachloride	Ave	1.395	1.542	0.1000	27.6	25.0	10.6	20.0
1,1-Dichloropropene	Ave	1.749	1.763		25.2	25.0	0.8	20.0
Benzene	Ave	5.080	5.130	0.5000	25.3	25.0	1.0	20.0
Isobutyl alcohol	Ave	0.0632	0.0644		636	625	1.8	50.0
1,2-Dichloroethane	Ave	1.878	1.862	0.1000	24.8	25.0	-0.8	20.0
n-Heptane	Ave	1.891	1.722		22.8	25.0	-8.9	20.0
Trichloroethene	Ave	1.329	1.378	0.2000	25.9	25.0	3.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Lab Sample ID: CCVIS 480-570785/3 Calibration Date: 02/27/2021 09:15

Instrument ID: HP5973C Calib Start Date: 02/22/2021 14:50

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 02/22/2021 17:46

Lab File ID: C4282.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.291	2.074	0.1000	22.6	25.0	-9.5	20.0
1,2-Dichloropropane	Ave	1.175	1.207	0.1000	25.7	25.0	2.7	20.0
1,4-Dioxane	Ave	0.0102	0.0149		731	500	46.2	50.0
Dibromomethane	Ave	0.8492	0.9135	0.1000	26.9	25.0	7.6	20.0
Bromodichloromethane	Ave	1.151	1.422	0.2000	30.9	25.0	23.5*	20.0
2-Chloroethyl vinyl ether	Ave	0.7700	0.7793		25.3	25.0	1.2	20.0
cis-1,3-Dichloropropene	Ave	1.555	1.791	0.2000	28.8	25.0	15.2	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.8686	0.9574	0.1000	138	125	10.2	20.0
Toluene	Ave	1.553	1.614	0.4000	26.0	25.0	4.0	20.0
trans-1,3-Dichloropropene	Lin1		0.8299	0.1000	25.3	25.0	1.3	20.0
Ethyl methacrylate	Ave	0.7134	0.7401		25.9	25.0	3.7	20.0
1,1,2-Trichloroethane	Ave	0.4404	0.4775	0.1000	27.1	25.0	8.4	20.0
Tetrachloroethene	Ave	0.6996	0.7417	0.2000	26.5	25.0	6.0	20.0
1,3-Dichloropropane	Ave	0.8969	0.9537		26.6	25.0	6.3	20.0
2-Hexanone	Ave	0.5674	0.6023	0.1000	133	125	6.1	20.0
Dibromochloromethane	Ave	0.4031	0.5199	0.1000	32.2	25.0	29.0*	20.0
1,2-Dibromoethane	Ave	0.5876	0.6329		26.9	25.0	7.7	20.0
Chlorobenzene	Ave	1.761	1.814	0.5000	25.7	25.0	3.0	20.0
Ethylbenzene	Ave	2.919	3.030	0.1000	25.9	25.0	3.8	20.0
1,1,1,2-Tetrachloroethane	Ave	0.5119	0.6584		32.2	25.0	28.6*	20.0
m,p-Xylene	Ave	1.177	1.236	0.1000	26.3	25.0	5.0	20.0
o-Xylene	Ave	1.204	1.270	0.3000	26.4	25.0	5.5	20.0
Styrene	Ave	1.925	1.934	0.3000	25.1	25.0	0.4	20.0
Bromoform	Lin1		0.3418	0.1000	27.0	25.0	8.2	50.0
Isopropylbenzene	Ave	2.762	3.063	0.1000	27.7	25.0	10.9	20.0
Bromobenzene	Ave	0.7057	0.7414		26.3	25.0	5.1	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7415	0.8694	0.3000	29.3	25.0	17.2	20.0
N-Propylbenzene	Ave	3.150	3.438		27.3	25.0	9.1	20.0
1,2,3-Trichloropropane	Ave	0.2879	0.3099		26.9	25.0	7.6	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2604	0.2571		24.7	25.0	-1.3	50.0
2-Chlorotoluene	Ave	0.6771	0.7472		27.6	25.0	10.4	20.0
1,3,5-Trimethylbenzene	Ave	2.321	2.645		28.5	25.0	14.0	20.0
4-Chlorotoluene	Ave	0.6695	0.7262		27.1	25.0	8.5	20.0
tert-Butylbenzene	Ave	0.5083	0.5906		29.0	25.0	16.2	20.0
1,2,4-Trimethylbenzene	Ave	2.443	2.698		27.6	25.0	10.5	20.0
sec-Butylbenzene	Ave	2.972	3.277		27.6	25.0	10.3	20.0
4-Isopropyltoluene	Ave	2.611	2.948		28.2	25.0	12.9	20.0
1,3-Dichlorobenzene	Ave	1.392	1.483	0.6000	26.6	25.0	6.5	20.0
1,4-Dichlorobenzene	Ave	1.448	1.495	0.5000	25.8	25.0	3.2	20.0
n-Butylbenzene	Ave	2.361	2.526		26.7	25.0	7.0	20.0
1,2-Dichlorobenzene	Ave	1.454	1.527	0.4000	26.3	25.0	5.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Lab Sample ID: CCVIS 480-570785/3 Calibration Date: 02/27/2021 09:15

Instrument ID: HP5973C Calib Start Date: 02/22/2021 14:50

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 02/22/2021 17:46

Lab File ID: C4282.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Lin1		0.2020	0.0500	27.4	25.0	9.8	50.0
1,2,4-Trichlorobenzene	Ave	1.139	1.225	0.2000	26.9	25.0	7.5	20.0
Hexachlorobutadiene	Ave	0.5211	0.5682		27.3	25.0	9.0	20.0
Naphthalene	Ave	3.723	4.086		27.4	25.0	9.8	20.0
1,2,3-Trichlorobenzene	Ave	1.123	1.200		26.7	25.0	6.8	20.0
Dibromofluoromethane (Surr)	Ave	1.342	1.402		26.1	25.0	4.5	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8195	0.8207		25.0	25.0	0.1	20.0
Toluene-d8 (Surr)	Ave	2.455	2.546		25.9	25.0	3.7	20.0
4-Bromofluorobenzene (Surr)	Ave	0.8072	0.8123		25.2	25.0	0.6	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C4282.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 27-Feb-2021 09:15:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ccvis
Misc. Info.: 480-0096878-003
Operator ID: OI Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Feb-2021 09:42:22 Calib Date: 22-Feb-2021 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4196.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1662

First Level Reviewer: izquierdoo Date: 27-Feb-2021 09:42:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.811	4.811	0.000	99	173518	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.122	7.122	0.000	84	314958	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.987	8.987	0.000	93	346397	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.334	4.334	0.000	94	243280	25.0	26.1	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.593	4.593	0.000	57	142406	25.0	25.0	
$ 5 Toluene-d8 (Surr)	98	5.992	5.992	0.000	93	801965	25.0	25.9	
$ 6 4-Bromofluorobenzene (Surr)	174	8.054	8.054	0.000	94	255825	25.0	25.2	
10 Dichlorodifluoromethane	85	1.070	1.070	0.000	99	265912	25.0	22.2	
12 Chloromethane	50	1.236	1.236	0.000	99	298016	25.0	23.7	
13 Vinyl chloride	62	1.318	1.318	0.000	97	276482	25.0	22.9	
151 Butadiene	54	1.339	1.339	0.000	90	250878	25.0	21.0	
14 Bromomethane	94	1.609	1.609	0.000	90	177061	25.0	25.8	
15 Chloroethane	64	1.692	1.692	0.000	99	152138	25.0	23.8	
16 Dichlorofluoromethane	67	1.899	1.899	0.000	96	348605	25.0	21.5	
17 Trichlorofluoromethane	101	1.899	1.899	0.000	72	308531	25.0	22.3	
18 Ethyl ether	59	2.189	2.189	0.000	89	198531	25.0	24.5	
20 Acrolein	56	2.365	2.365	0.000	100	136038	125.0	91.6	
21 112TCTFE	101	2.386	2.386	0.000	90	182812	25.0	21.5	
22 1,1-Dichloroethene	96	2.396	2.396	0.000	97	199992	25.0	22.5	
23 Acetone	43	2.510	2.510	0.000	100	539771	125.0	129.4	
25 Iodomethane	142	2.541	2.541	0.000	99	407896	25.0	25.3	
26 Carbon disulfide	76	2.572	2.572	0.000	99	645255	25.0	22.7	
28 3-Chloro-1-propene	41	2.749	2.749	0.000	92	325131	25.0	23.8	
27 Methyl acetate	43	2.790	2.790	0.000	97	468584	50.0	47.3	
30 Methylene Chloride	84	2.883	2.883	0.000	91	248422	25.0	25.6	
31 2-Methyl-2-propanol	59	3.049	3.049	0.000	98	322547	250.0	229.3	
32 Methyl tert-butyl ether	73	3.080	3.080	0.000	95	706763	25.0	25.4	
34 trans-1,2-Dichloroethene	96	3.091	3.091	0.000	99	249987	25.0	25.6	
33 Acrylonitrile	53	3.142	3.142	0.000	99	1339921	250.0	242.0	
35 Hexane	57	3.267	3.267	0.000	90	261790	25.0	19.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.464	3.464	0.000	96	417000	25.0	25.2	
37 Vinyl acetate	43	3.515	3.515	0.000	97	798568	50.0	48.8	
44 2,2-Dichloropropane	77	3.909	3.909	0.000	90	231742	25.0	25.8	
45 cis-1,2-Dichloroethene	96	3.940	3.940	0.000	78	269246	25.0	25.7	
43 2-Butanone (MEK)	43	3.971	3.971	0.000	100	797121	125.0	122.3	
48 Chlorobromomethane	128	4.148	4.148	0.000	92	150776	25.0	26.1	
49 Tetrahydrofuran	42	4.158	4.158	0.000	87	227976	50.0	46.9	
50 Chloroform	83	4.210	4.210	0.000	94	404234	25.0	24.0	
52 Cyclohexane	56	4.303	4.303	0.000	88	359905	25.0	21.9	
51 1,1,1-Trichloroethane	97	4.303	4.303	0.000	98	335013	25.0	26.1	
55 Carbon tetrachloride	117	4.417	4.417	0.000	97	267600	25.0	27.6	
54 1,1-Dichloropropene	75	4.427	4.427	0.000	97	305857	25.0	25.2	
57 Benzene	78	4.593	4.593	0.000	96	890211	25.0	25.3	
53 Isobutyl alcohol	43	4.604	4.604	0.000	93	279149	625.0	636.0	
58 1,2-Dichloroethane	62	4.645	4.645	0.000	97	323144	25.0	24.8	
59 n-Heptane	43	4.728	4.728	0.000	90	298803	25.0	22.8	
62 Trichloroethene	95	5.080	5.080	0.000	96	239123	25.0	25.9	
64 Methylcyclohexane	83	5.174	5.174	0.000	88	359945	25.0	22.6	
65 1,2-Dichloropropane	63	5.267	5.267	0.000	97	209485	25.0	25.7	
67 Dibromomethane	93	5.381	5.381	0.000	93	158505	25.0	26.9	
66 1,4-Dioxane	88	5.381	5.381	0.000	39	94001	500.0	731.0	
68 Dichlorobromomethane	83	5.495	5.495	0.000	99	246761	25.0	30.9	
69 2-Chloroethyl vinyl ether	63	5.702	5.702	0.000	92	135224	25.0	25.3	
72 cis-1,3-Dichloropropene	75	5.816	5.816	0.000	96	310838	25.0	28.8	
73 4-Methyl-2-pentanone (MIBK)	43	5.920	5.920	0.000	96	1507687	125.0	137.8	
74 Toluene	92	6.044	6.044	0.000	98	508410	25.0	26.0	
77 trans-1,3-Dichloropropene	75	6.251	6.251	0.000	89	261384	25.0	25.3	
75 Ethyl methacrylate	69	6.272	6.272	0.000	89	233100	25.0	25.9	
79 1,1,2-Trichloroethane	83	6.396	6.396	0.000	90	150396	25.0	27.1	
81 Tetrachloroethene	166	6.448	6.448	0.000	97	233594	25.0	26.5	
82 1,3-Dichloropropane	76	6.521	6.521	0.000	89	300374	25.0	26.6	
80 2-Hexanone	43	6.562	6.562	0.000	94	948425	125.0	132.7	
83 Chlorodibromomethane	129	6.707	6.707	0.000	90	163742	25.0	32.2	
84 Ethylene Dibromide	107	6.790	6.790	0.000	99	199345	25.0	26.9	
87 Chlorobenzene	112	7.142	7.142	0.000	96	571216	25.0	25.7	
88 Ethylbenzene	91	7.205	7.205	0.000	98	954340	25.0	25.9	
89 1,1,1,2-Tetrachloroethane	131	7.215	7.215	0.000	93	207356	25.0	32.2	
90 m-Xylene & p-Xylene	106	7.288	7.288	0.000	97	389311	25.0	26.3	
91 o-Xylene	106	7.609	7.609	0.000	97	399958	25.0	26.4	
92 Styrene	104	7.630	7.630	0.000	95	609046	25.0	25.1	
95 Bromoform	173	7.826	7.826	0.000	96	107645	25.0	27.0	
94 Isopropylbenzene	105	7.899	7.899	0.000	95	1060969	25.0	27.7	
101 Bromobenzene	156	8.179	8.179	0.000	89	256819	25.0	26.3	
97 1,1,2,2-Tetrachloroethane	83	8.200	8.200	0.000	96	301148	25.0	29.3	
99 N-Propylbenzene	91	8.220	8.220	0.000	99	1190983	25.0	27.3	
100 1,2,3-Trichloropropane	110	8.231	8.231	0.000	86	107354	25.0	26.9	
98 trans-1,4-Dichloro-2-butene	53	8.241	8.241	0.000	75	89043	25.0	24.7	
103 2-Chlorotoluene	126	8.314	8.314	0.000	97	258840	25.0	27.6	
102 1,3,5-Trimethylbenzene	105	8.365	8.365	0.000	94	916326	25.0	28.5	
105 4-Chlorotoluene	126	8.407	8.407	0.000	96	251556	25.0	27.1	
106 tert-Butylbenzene	134	8.624	8.624	0.000	91	204565	25.0	29.0	
107 1,2,4-Trimethylbenzene	105	8.676	8.676	0.000	96	934738	25.0	27.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.801	8.801	0.000	94	1135220	25.0	27.6	
110 4-Isopropyltoluene	119	8.925	8.925	0.000	97	1021303	25.0	28.2	
111 1,3-Dichlorobenzene	146	8.935	8.935	0.000	98	513680	25.0	26.6	
113 1,4-Dichlorobenzene	146	9.008	9.008	0.000	96	517777	25.0	25.8	
115 n-Butylbenzene	91	9.257	9.257	0.000	97	874890	25.0	26.7	
116 1,2-Dichlorobenzene	146	9.319	9.319	0.000	99	528909	25.0	26.3	
117 1,2-Dibromo-3-Chloropropane	75	9.992	9.992	0.000	85	69978	25.0	27.4	
119 1,2,4-Trichlorobenzene	180	10.635	10.635	0.000	95	424237	25.0	26.9	
120 Hexachlorobutadiene	225	10.738	10.738	0.000	96	196806	25.0	27.3	
121 Naphthalene	128	10.852	10.852	0.000	96	1415446	25.0	27.4	
122 1,2,3-Trichlorobenzene	180	11.039	11.039	0.000	97	415751	25.0	26.7	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00204	Amount Added: 12.50	Units: uL	
GAS CORP mix_00443	Amount Added: 12.50	Units: uL	
C_8260_Surr_00169	Amount Added: 2.00	Units: uL	Run Reagent
C_8260_IS_00152	Amount Added: 2.00	Units: uL	Run Reagent

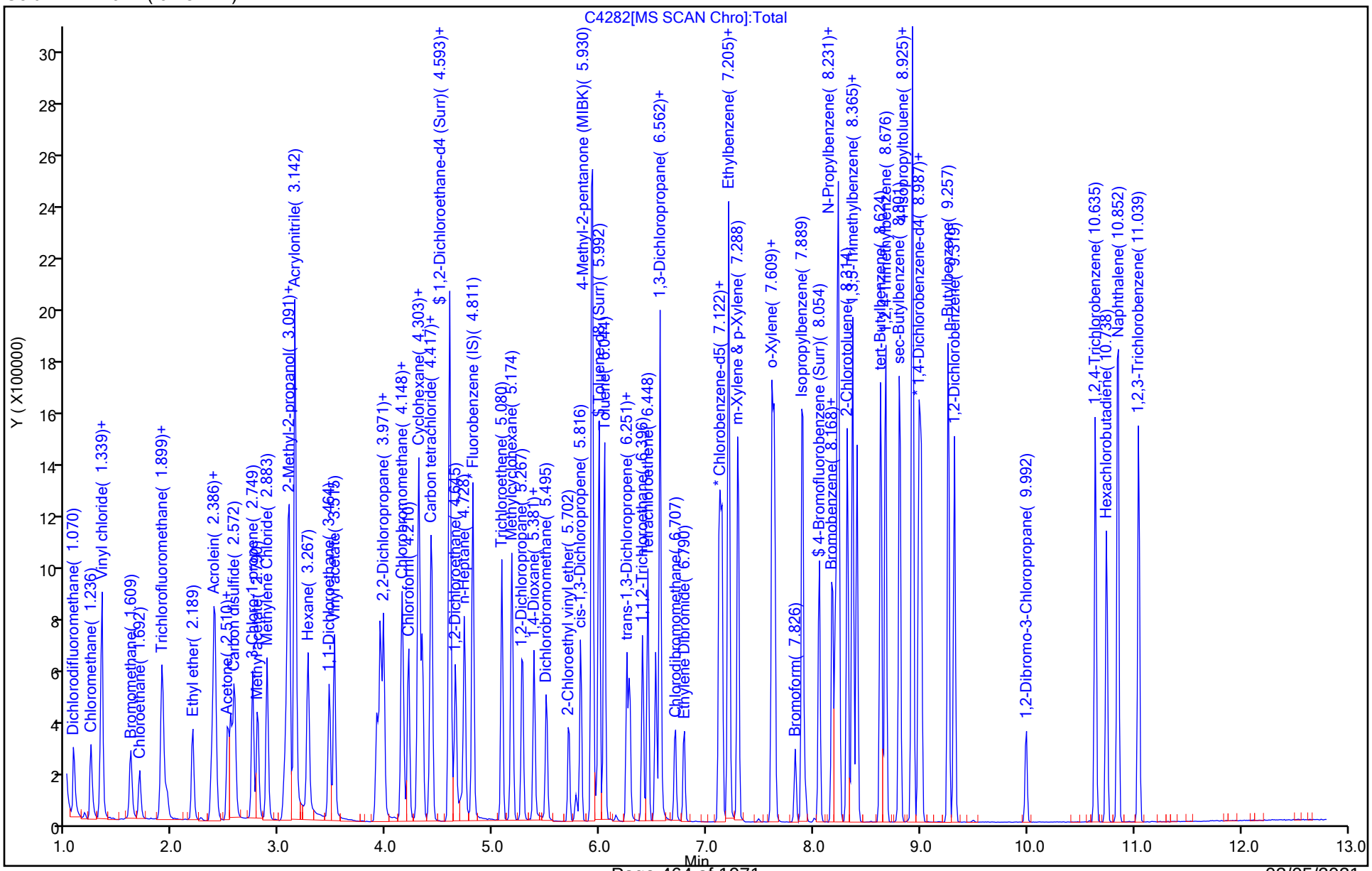
Report Date: 27-Feb-2021 09:42:24 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C4282.D

Injection Date:	27-Feb-2021 09:15:30	Instrument ID:	HP5973C	Operator ID:	OI
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Lab Sample ID: ICV 480-568824/26 Calibration Date: 02/09/2021 23:48

Instrument ID: HP5973N Calib Start Date: 02/09/2021 15:22

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 02/09/2021 18:11

Lab File ID: N8870.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.268	1.527	0.1000	30.1	25.0	20.4	50.0
Chloromethane	Ave	2.070	2.165	0.1000	26.1	25.0	4.6	30.0
Vinyl chloride	Ave	1.588	1.713	0.1000	27.0	25.0	7.9	30.0
Butadiene	Ave	1.921	1.920		25.0	25.0	-0.0	30.0
Bromomethane	Lin1		0.9190	0.1000	26.6	25.0	6.4	50.0
Chloroethane	Ave	1.032	1.005	0.1000	24.3	25.0	-2.6	50.0
Dichlorofluoromethane	Ave	2.065	2.116		25.6	25.0	2.5	30.0
Trichlorofluoromethane	Ave	1.739	1.923	0.1000	27.6	25.0	10.6	30.0
Ethyl ether	Ave	1.529	1.620		26.5	25.0	6.0	30.0
Acrolein	Ave	0.2485	0.3821		192	125	53.7*	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Lin1		0.9859	0.1000	22.6	25.0	-9.6	30.0
1,1-Dichloroethene	Ave	1.019	1.114	0.1000	27.3	25.0	9.3	30.0
Acetone	Ave	0.8380	0.8475	0.1000	126	125	1.1	50.0
Iodomethane	Ave	2.053	2.130		25.9	25.0	3.7	30.0
Carbon disulfide	Ave	3.587	3.897	0.1000	27.2	25.0	8.7	30.0
Allyl chloride	Ave	3.299	3.393		25.7	25.0	2.8	30.0
Methyl acetate	Ave	2.061	2.110	0.1000	51.2	50.0	2.4	50.0
Methylene Chloride	Lin1		1.414	0.1000	25.2	25.0	0.8	30.0
2-Methyl-2-propanol	Ave	0.2648	0.2749		260	250	3.8	50.0
Methyl tert-butyl ether	Ave	4.554	4.565	0.1000	25.1	25.0	0.2	30.0
trans-1,2-Dichloroethene	Ave	1.306	1.344	0.1000	25.7	25.0	2.9	30.0
Acrylonitrile	Ave	0.9627	0.9532		248	250	-1.0	30.0
Hexane	Lin1		1.920		20.4	25.0	-18.4	30.0
1,1-Dichloroethane	Ave	2.654	2.636	0.2000	24.8	25.0	-0.7	30.0
Vinyl acetate	Ave	4.696	3.713		39.5	50.0	-20.9	30.0
2,2-Dichloropropane	Ave	1.575	1.465		23.3	25.0	-7.0	30.0
cis-1,2-Dichloroethene	Ave	1.521	1.543	0.1000	25.4	25.0	1.4	30.0
2-Butanone (MEK)	Ave	1.272	1.223	0.1000	120	125	-3.8	30.0
Chlorobromomethane	Ave	0.7937	0.7596		23.9	25.0	-4.3	30.0
Tetrahydrofuran	Ave	0.8997	0.8764		48.7	50.0	-2.6	30.0
Chloroform	Ave	2.565	2.438	0.2000	23.8	25.0	-4.9	30.0
1,1,1-Trichloroethane	Ave	2.053	1.958	0.1000	23.8	25.0	-4.6	30.0
Cyclohexane	Ave	2.508	2.510	0.1000	25.0	25.0	0.0	30.0
Carbon tetrachloride	Ave	1.685	1.681	0.1000	24.9	25.0	-0.2	30.0
1,1-Dichloropropene	Ave	1.729	1.727		25.0	25.0	-0.0	30.0
Benzene	Ave	5.545	5.474	0.5000	24.7	25.0	-1.3	30.0
Isobutyl alcohol	Ave	0.1259	0.1217		604	625	-3.3	50.0
1,2-Dichloroethane	Ave	2.362	2.285	0.1000	24.2	25.0	-3.2	30.0
n-Heptane	Ave	2.616	2.300		22.0	25.0	-12.1	30.0
Trichloroethene	Ave	1.376	1.357	0.2000	24.6	25.0	-1.4	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Lab Sample ID: ICV 480-568824/26 Calibration Date: 02/09/2021 23:48

Instrument ID: HP5973N Calib Start Date: 02/09/2021 15:22

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 02/09/2021 18:11

Lab File ID: N8870.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Lin1		1.800	0.1000	19.9	25.0	-20.2	30.0
1,2-Dichloropropane	Ave	1.530	1.458	0.1000	23.8	25.0	-4.7	30.0
Dibromomethane	Ave	0.9112	0.8986	0.1000	24.7	25.0	-1.4	30.0
1,4-Dioxane	Ave	0.0054	0.0051		478	500	-4.3	50.0
Bromodichloromethane	Ave	1.833	1.738	0.2000	23.7	25.0	-5.2	30.0
2-Chloroethyl vinyl ether	Ave	1.020	0.9868		24.2	25.0	-3.3	30.0
cis-1,3-Dichloropropene	Ave	2.218	2.163	0.2000	24.4	25.0	-2.5	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2267	0.2321	0.1000	128	125	2.4	30.0
Toluene	Ave	0.9736	0.9529	0.4000	24.5	25.0	-2.1	30.0
trans-1,3-Dichloropropene	Ave	0.5749	0.5221	0.1000	22.7	25.0	-9.2	30.0
Ethyl methacrylate	Ave	0.4974	0.4915		24.7	25.0	-1.2	30.0
1,1,2-Trichloroethane	Ave	0.2701	0.2647	0.1000	24.5	25.0	-2.0	30.0
Tetrachloroethene	Ave	0.3764	0.3702	0.2000	24.6	25.0	-1.6	30.0
1,3-Dichloropropane	Ave	0.5761	0.5633		24.4	25.0	-2.2	30.0
2-Hexanone	Ave	0.4568	0.4682	0.1000	128	125	2.5	30.0
Dibromochloromethane	Ave	0.3704	0.3721	0.1000	25.1	25.0	0.5	30.0
1,2-Dibromoethane	Ave	0.3611	0.3607		25.0	25.0	-0.1	30.0
Chlorobenzene	Ave	1.031	1.009	0.5000	24.5	25.0	-2.1	30.0
Ethylbenzene	Ave	1.786	1.762	0.1000	24.7	25.0	-1.3	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3893	0.3855		24.8	25.0	-1.0	30.0
m,p-Xylene	Ave	0.6992	0.6898	0.1000	24.7	25.0	-1.3	30.0
o-Xylene	Ave	0.7191	0.6912	0.3000	24.0	25.0	-3.9	30.0
Styrene	Ave	1.175	1.131	0.3000	24.1	25.0	-3.8	30.0
Bromoform	Ave	0.2322	0.2302	0.1000	24.8	25.0	-0.9	50.0
Isopropylbenzene	Ave	3.521	3.571	0.1000	25.4	25.0	1.4	30.0
Bromobenzene	Ave	0.8898	0.8678		24.4	25.0	-2.5	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9062	0.9181	0.3000	25.3	25.0	1.3	30.0
N-Propylbenzene	Ave	3.981	4.092		25.7	25.0	2.8	30.0
1,2,3-Trichloropropane	Ave	0.2891	0.2985		25.8	25.0	3.2	30.0
trans-1,4-Dichloro-2-butene	Lin1		0.3737		22.0	25.0	-12.0	50.0
2-Chlorotoluene	Ave	0.8312	0.8028		24.1	25.0	-3.4	30.0
1,3,5-Trimethylbenzene	Ave	2.964	3.115		26.3	25.0	5.1	30.0
4-Chlorotoluene	Ave	2.559	2.602		25.4	25.0	1.7	30.0
tert-Butylbenzene	Ave	0.6484	0.6519		25.1	25.0	0.5	30.0
1,2,4-Trimethylbenzene	Ave	3.052	3.164		25.9	25.0	3.7	30.0
sec-Butylbenzene	Ave	3.630	3.719		25.6	25.0	2.4	30.0
1,3-Dichlorobenzene	Ave	1.705	1.649	0.6000	24.2	25.0	-3.3	30.0
4-Isopropyltoluene	Ave	3.325	3.438		25.9	25.0	3.4	30.0
1,4-Dichlorobenzene	Ave	1.778	1.753	0.5000	24.6	25.0	-1.4	30.0
n-Butylbenzene	Ave	2.812	2.820		25.1	25.0	0.3	30.0
1,2-Dichlorobenzene	Ave	1.683	1.664	0.4000	24.7	25.0	-1.1	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Lab Sample ID: ICV 480-568824/26 Calibration Date: 02/09/2021 23:48

Instrument ID: HP5973N Calib Start Date: 02/09/2021 15:22

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 02/09/2021 18:11

Lab File ID: N8870.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.2037	0.2000	0.0500	24.5	25.0	-1.8	50.0
1,2,4-Trichlorobenzene	Ave	1.186	1.161	0.2000	24.5	25.0	-2.1	30.0
Hexachlorobutadiene	Ave	0.5218	0.5200		24.9	25.0	-0.3	30.0
Naphthalene	Ave	3.452	3.513		25.4	25.0	1.8	30.0
1,2,3-Trichlorobenzene	Ave	1.140	1.146		25.2	25.0	0.6	30.0
Dibromofluoromethane (Surr)	Ave	1.302	1.331		25.5	25.0	2.2	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.755	1.805		25.7	25.0	2.8	30.0
Toluene-d8 (Surr)	Ave	1.355	1.369		25.3	25.0	1.0	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4124	0.4151		25.2	25.0	0.6	30.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210209-96556.b\N8870.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 09-Feb-2021 23:48:30 ALS Bottle#: 39 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 480-0096556-026
Operator ID: WD Instrument ID: HP5973N
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP5973N\20210209-96556.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 10-Feb-2021 12:39:24 Calib Date: 09-Feb-2021 18:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20210209-96556.b\N8856.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1668

First Level Reviewer: moffata Date: 10-Feb-2021 12:12:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.574	5.568	0.006	98	202104	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.579	8.579	0.000	87	714937	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.958	10.958	0.000	96	364259	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.984	4.983	0.001	94	269021	25.0	25.5	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.300	5.294	0.006	94	364749	25.0	25.7	
$ 6 Toluene-d8 (Surr)	98	7.089	7.088	0.001	94	978795	25.0	25.3	
$ 7 4-Bromofluorobenzene (Surr)	174	9.826	9.832	-0.006	87	296737	25.0	25.2	
11 Dichlorodifluoromethane	85	1.309	1.309	0.000	98	308528	25.0	30.1	
13 Chloromethane	50	1.498	1.498	0.000	100	437534	25.0	26.1	
14 Vinyl chloride	62	1.595	1.595	0.000	98	346193	25.0	27.0	
144 Butadiene	54	1.607	1.601	0.006	99	388100	25.0	25.0	
15 Bromomethane	94	1.918	1.923	-0.005	92	185739	25.0	26.6	
16 Chloroethane	64	2.009	1.996	0.013	98	203199	25.0	24.3	
18 Trichlorofluoromethane	101	2.240	2.234	0.006	62	388613	25.0	27.6	
17 Dichlorofluoromethane	67	2.240	2.240	0.000	96	427610	25.0	25.6	
19 Ethyl ether	59	2.544	2.538	0.006	97	327502	25.0	26.5	
20 Acrolein	56	2.727	2.726	0.001	99	386101	125.0	192.2	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.751	2.751	0.000	65	199264	25.0	22.6	
22 1,1-Dichloroethene	96	2.763	2.763	0.000	94	225074	25.0	27.3	
23 Acetone	43	2.891	2.891	0.000	98	856400	125.0	126.4	
24 Iodomethane	142	2.927	2.927	0.000	99	430419	25.0	25.9	
25 Carbon disulfide	76	2.964	2.958	0.006	100	787659	25.0	27.2	
27 3-Chloro-1-propene	41	3.146	3.146	0.000	86	685677	25.0	25.7	
28 Methyl acetate	43	3.195	3.195	0.000	100	852903	50.0	51.2	
30 Methylene Chloride	84	3.292	3.292	0.000	93	285712	25.0	25.2	
31 2-Methyl-2-propanol	59	3.475	3.469	0.006	96	555561	250.0	259.5	
32 Methyl tert-butyl ether	73	3.511	3.511	0.000	100	922564	25.0	25.1	
33 trans-1,2-Dichloroethene	96	3.530	3.523	0.007	94	271582	25.0	25.7	
34 Acrylonitrile	53	3.584	3.584	0.000	99	1926390	250.0	247.5	
35 Hexane	57	3.718	3.724	-0.006	97	388018	25.0	20.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.956	3.955	0.001	97	532730	25.0	24.8	
39 Vinyl acetate	43	4.004	4.004	0.000	97	1500930	50.0	39.5	
42 2,2-Dichloropropane	77	4.479	4.479	0.000	86	296088	25.0	23.3	
43 cis-1,2-Dichloroethene	96	4.515	4.515	0.000	84	311874	25.0	25.4	
44 2-Butanone (MEK)	43	4.552	4.545	0.007	97	1236271	125.0	120.2	
47 Chlorobromomethane	128	4.752	4.752	0.000	90	153522	25.0	23.9	
49 Tetrahydrofuran	42	4.771	4.771	0.000	94	354236	50.0	48.7	
50 Chloroform	83	4.832	4.831	0.001	97	492739	25.0	23.8	
51 1,1,1-Trichloroethane	97	4.941	4.941	0.000	96	395710	25.0	23.8	
52 Cyclohexane	56	4.953	4.947	0.006	96	507230	25.0	25.0	
53 Carbon tetrachloride	117	5.081	5.081	0.000	95	339715	25.0	24.9	
54 1,1-Dichloropropene	75	5.093	5.093	0.000	87	349076	25.0	25.0	
55 Benzene	78	5.300	5.300	0.000	97	1106312	25.0	24.7	
56 Isobutyl alcohol	43	5.318	5.318	0.000	94	615014	625.0	604.4	
57 1,2-Dichloroethane	62	5.373	5.373	0.000	96	461838	25.0	24.2	
59 n-Heptane	43	5.476	5.476	0.000	97	464859	25.0	22.0	
60 Trichloroethene	95	5.914	5.914	0.000	95	274252	25.0	24.6	
62 Methylcyclohexane	83	6.036	6.030	0.006	98	363857	25.0	19.9	
63 1,2-Dichloropropane	63	6.158	6.158	0.000	87	294579	25.0	23.8	
64 Dibromomethane	93	6.298	6.298	0.000	94	181604	25.0	24.7	
66 1,4-Dioxane	88	6.304	6.298	0.006	53	73343	500.0	478.4	
67 Dichlorobromomethane	83	6.450	6.450	0.000	95	351290	25.0	23.7	
69 2-Chloroethyl vinyl ether	63	6.724	6.723	0.001	89	199431	25.0	24.2	
71 cis-1,3-Dichloropropene	75	6.864	6.863	0.001	88	437096	25.0	24.4	
72 4-Methyl-2-pentanone (MIBK)	58	7.010	7.009	0.001	99	829630	125.0	128.0	
73 Toluene	92	7.156	7.155	0.001	98	681253	25.0	24.5	
75 trans-1,3-Dichloropropene	75	7.435	7.435	0.000	98	373291	25.0	22.7	
77 Ethyl methacrylate	69	7.478	7.472	0.006	96	351381	25.0	24.7	
78 1,1,2-Trichloroethane	83	7.624	7.630	-0.006	94	189235	25.0	24.5	
79 Tetrachloroethene	166	7.685	7.691	-0.006	93	264670	25.0	24.6	
80 1,3-Dichloropropane	76	7.788	7.788	0.000	93	402700	25.0	24.4	
82 2-Hexanone	43	7.849	7.849	0.000	98	1673547	125.0	128.1	
83 Chlorodibromomethane	129	8.032	8.031	0.001	90	266024	25.0	25.1	
84 Ethylene Dibromide	107	8.135	8.135	0.000	98	257895	25.0	25.0	
85 Chlorobenzene	112	8.609	8.609	0.000	91	721498	25.0	24.5	
88 Ethylbenzene	91	8.701	8.701	0.000	98	1259755	25.0	24.7	
89 1,1,1,2-Tetrachloroethane	131	8.707	8.707	0.000	93	275590	25.0	24.8	
90 m-Xylene & p-Xylene	106	8.822	8.822	0.000	99	493178	25.0	24.7	
91 o-Xylene	106	9.248	9.254	-0.006	98	494167	25.0	24.0	
92 Styrene	104	9.279	9.278	0.001	95	808419	25.0	24.1	
93 Bromoform	173	9.534	9.534	0.000	96	164550	25.0	24.8	
95 Isopropylbenzene	105	9.632	9.631	0.001	96	1300702	25.0	25.4	
97 Bromobenzene	156	9.978	9.978	0.000	94	316102	25.0	24.4	
98 1,1,2,2-Tetrachloroethane	83	10.027	10.027	0.000	95	334423	25.0	25.3	
100 N-Propylbenzene	91	10.051	10.051	0.000	99	1490411	25.0	25.7	
99 1,2,3-Trichloropropane	110	10.063	10.057	0.006	93	108722	25.0	25.8	
101 trans-1,4-Dichloro-2-butene	53	10.076	10.075	0.001	81	136136	25.0	22.0	
102 2-Chlorotoluene	126	10.155	10.161	-0.006	95	292411	25.0	24.1	
104 1,3,5-Trimethylbenzene	105	10.228	10.228	0.000	96	1134769	25.0	26.3	
105 4-Chlorotoluene	91	10.270	10.270	0.000	98	947734	25.0	25.4	
106 tert-Butylbenzene	134	10.544	10.544	0.000	95	237455	25.0	25.1	
108 1,2,4-Trimethylbenzene	105	10.599	10.599	0.000	98	1152442	25.0	25.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.751	10.751	0.000	94	1354594	25.0	25.6	
111 4-Isopropyltoluene	119	10.891	10.891	0.000	98	1252451	25.0	25.9	
110 1,3-Dichlorobenzene	146	10.891	10.891	0.000	73	600710	25.0	24.2	
113 1,4-Dichlorobenzene	146	10.976	10.976	0.000	95	638438	25.0	24.6	
115 n-Butylbenzene	91	11.274	11.274	0.000	98	1027360	25.0	25.1	
116 1,2-Dichlorobenzene	146	11.329	11.329	0.000	97	606223	25.0	24.7	
117 1,2-Dibromo-3-Chloropropane	75	12.053	12.059	-0.006	78	72834	25.0	24.5	
119 1,2,4-Trichlorobenzene	180	12.728	12.728	0.000	95	422932	25.0	24.5	
120 Hexachlorobutadiene	225	12.838	12.837	0.001	97	189412	25.0	24.9	
121 Naphthalene	128	12.941	12.947	-0.006	97	1279724	25.0	25.4	
122 1,2,3-Trichlorobenzene	180	13.142	13.148	-0.006	95	417589	25.0	25.2	

QC Flag Legend

Processing Flags

Reagents:

SS 8260 CORP_00090	Amount Added: 12.50	Units: uL	
SS GAS CORP_00390	Amount Added: 12.50	Units: uL	
N_8260_Surr_00407	Amount Added: 1.00	Units: uL	Run Reagent
N 8260 IS_00205	Amount Added: 1.00	Units: uL	Run Reagent

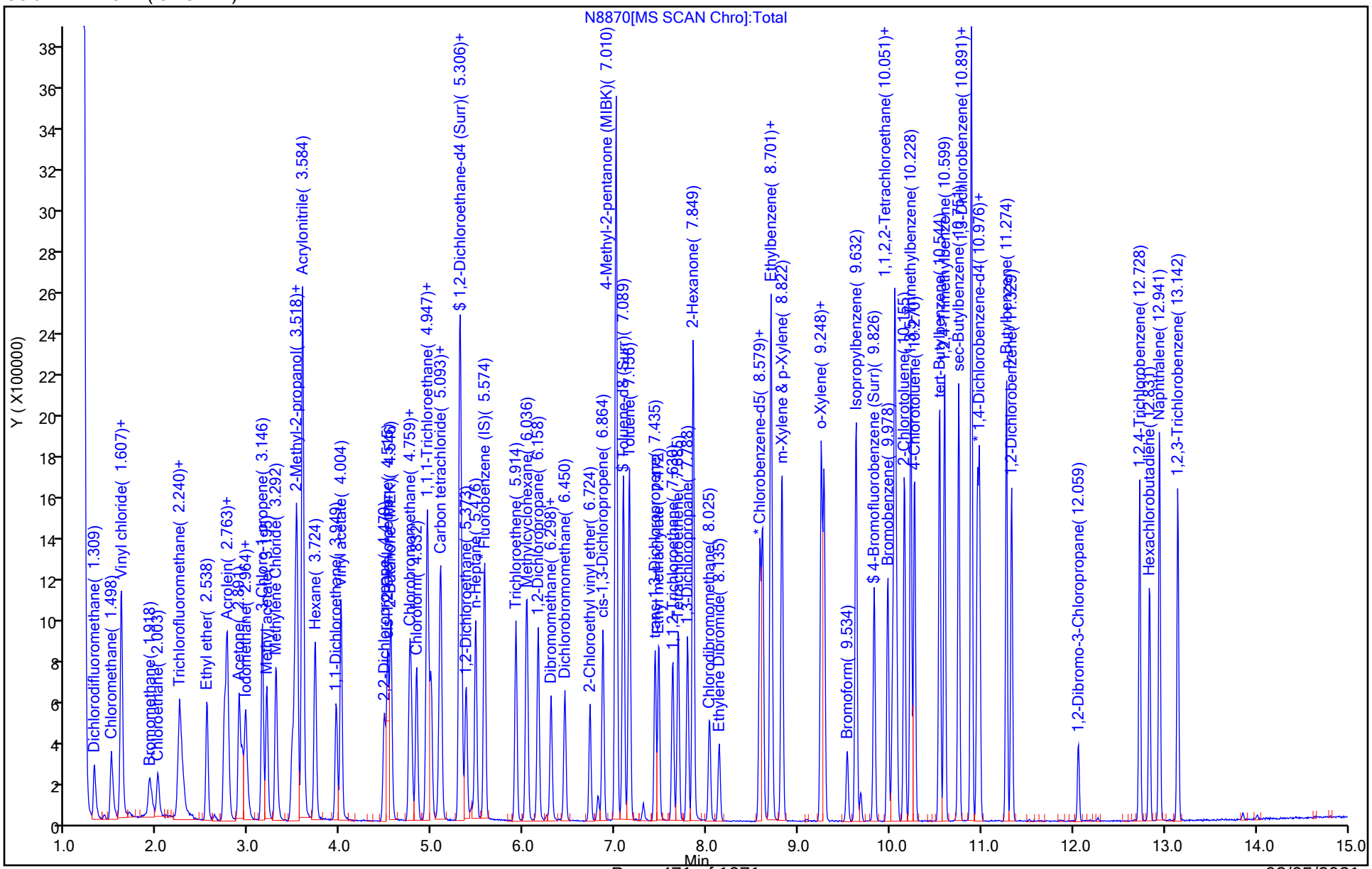
Report Date: 10-Feb-2021 12:39:34 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210209-96556.b\N8870.D

Injection Date:	09-Feb-2021 23:48:30	Instrument ID:	HP5973N	Operator ID:	WD
Lims ID:	ICV			Worklist Smp#:	26
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	39
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Lab Sample ID: CCVIS 480-570843/4 Calibration Date: 03/01/2021 09:03

Instrument ID: HP5973N Calib Start Date: 02/09/2021 15:22

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 02/09/2021 18:11

Lab File ID: N9212.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.268	1.377	0.1000	27.1	25.0	8.6	50.0
Chloromethane	Ave	2.070	2.003	0.1000	24.2	25.0	-3.3	20.0
Vinyl chloride	Ave	1.588	1.569	0.1000	24.7	25.0	-1.2	20.0
Butadiene	Ave	1.921	2.046		26.6	25.0	6.5	20.0
Bromomethane	Lin1		0.9211	0.1000	26.7	25.0	6.7	50.0
Chloroethane	Ave	1.032	0.9796	0.1000	23.7	25.0	-5.1	50.0
Trichlorofluoromethane	Ave	1.739	2.040	0.1000	29.3	25.0	17.3	20.0
Dichlorofluoromethane	Ave	2.065	2.168		26.3	25.0	5.0	20.0
Ethyl ether	Ave	1.529	1.634		26.7	25.0	6.9	20.0
Acrolein	Ave	0.2485	0.2213		111	125	-11.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Lin1		1.420	0.1000	32.3	25.0	29.2*	20.0
1,1-Dichloroethene	Ave	1.019	1.283	0.1000	31.5	25.0	25.9*	20.0
Acetone	Ave	0.8380	0.8164	0.1000	122	125	-2.6	50.0
Iodomethane	Ave	2.053	2.370		28.9	25.0	15.5	20.0
Carbon disulfide	Ave	3.587	4.390	0.1000	30.6	25.0	22.4*	20.0
Allyl chloride	Ave	3.299	3.830		29.0	25.0	16.1	20.0
Methyl acetate	Ave	2.061	2.027	0.1000	49.2	50.0	-1.7	50.0
Methylene Chloride	Lin1		1.449	0.1000	25.8	25.0	3.4	20.0
2-Methyl-2-propanol	Ave	0.2648	0.2173		205	250	-17.9	50.0
Methyl tert-butyl ether	Ave	4.554	4.864	0.1000	26.7	25.0	6.8	20.0
trans-1,2-Dichloroethene	Ave	1.306	1.513	0.1000	29.0	25.0	15.8	20.0
Acrylonitrile	Ave	0.9627	0.9655		251	250	0.3	20.0
Hexane	Lin1		3.023		31.7	25.0	26.9*	20.0
1,1-Dichloroethane	Ave	2.654	3.076	0.2000	29.0	25.0	15.9	20.0
Vinyl acetate	Ave	4.696	5.460		58.1	50.0	16.3	20.0
2,2-Dichloropropane	Ave	1.575	1.856		29.5	25.0	17.8	20.0
cis-1,2-Dichloroethene	Ave	1.521	1.609	0.1000	26.4	25.0	5.8	20.0
2-Butanone (MEK)	Ave	1.272	1.355	0.1000	133	125	6.5	20.0
Chlorobromomethane	Ave	0.7937	0.8481		26.7	25.0	6.9	20.0
Tetrahydrofuran	Ave	0.8997	0.9060		50.3	50.0	0.7	20.0
Chloroform	Ave	2.565	2.730	0.2000	26.6	25.0	6.4	20.0
1,1,1-Trichloroethane	Ave	2.053	2.369	0.1000	28.9	25.0	15.4	20.0
Cyclohexane	Ave	2.508	3.453	0.1000	34.4	25.0	37.7*	20.0
Carbon tetrachloride	Ave	1.685	2.285	0.1000	33.9	25.0	35.6*	20.0
1,1-Dichloropropene	Ave	1.729	2.268		32.8	25.0	31.2*	20.0
Benzene	Ave	5.545	6.313	0.5000	28.5	25.0	13.8	20.0
Isobutyl alcohol	Ave	0.1259	0.1124		558	625	-10.7	50.0
1,2-Dichloroethane	Ave	2.362	2.663	0.1000	28.2	25.0	12.8	20.0
n-Heptane	Ave	2.616	3.987		38.1	25.0	52.4*	20.0
Trichloroethene	Ave	1.376	1.584	0.2000	28.8	25.0	15.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Lab Sample ID: CCVIS 480-570843/4 Calibration Date: 03/01/2021 09:03

Instrument ID: HP5973N Calib Start Date: 02/09/2021 15:22

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 02/09/2021 18:11

Lab File ID: N9212.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Lin1		2.702	0.1000	29.6	25.0	18.3	20.0
1,2-Dichloropropane	Ave	1.530	1.641	0.1000	26.8	25.0	7.3	20.0
Dibromomethane	Ave	0.9112	1.015	0.1000	27.8	25.0	11.4	20.0
1,4-Dioxane	Ave	0.0054	0.0040		369	500	-26.1	50.0
Bromodichloromethane	Ave	1.833	1.997	0.2000	27.2	25.0	8.9	20.0
2-Chloroethyl vinyl ether	Ave	1.020	1.179		28.9	25.0	15.5	20.0
cis-1,3-Dichloropropene	Ave	2.218	2.556	0.2000	28.8	25.0	15.3	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2267	0.2141	0.1000	118	125	-5.5	20.0
Toluene	Ave	0.9736	0.9599	0.4000	24.6	25.0	-1.4	20.0
trans-1,3-Dichloropropene	Ave	0.5749	0.5624	0.1000	24.5	25.0	-2.2	20.0
Ethyl methacrylate	Ave	0.4974	0.4920		24.7	25.0	-1.1	20.0
1,1,2-Trichloroethane	Ave	0.2701	0.2690	0.1000	24.9	25.0	-0.4	20.0
Tetrachloroethene	Ave	0.3764	0.4297	0.2000	28.5	25.0	14.2	20.0
1,3-Dichloropropane	Ave	0.5761	0.5822		25.3	25.0	1.1	20.0
2-Hexanone	Ave	0.4568	0.4695	0.1000	128	125	2.8	20.0
Dibromochloromethane	Ave	0.3704	0.3733	0.1000	25.2	25.0	0.8	20.0
1,2-Dibromoethane	Ave	0.3611	0.3589		24.9	25.0	-0.6	20.0
Chlorobenzene	Ave	1.031	1.066	0.5000	25.8	25.0	3.4	20.0
Ethylbenzene	Ave	1.786	1.828	0.1000	25.6	25.0	2.4	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3893	0.4015		25.8	25.0	3.1	20.0
m,p-Xylene	Ave	0.6992	0.7212	0.1000	25.8	25.0	3.2	20.0
o-Xylene	Ave	0.7191	0.7072	0.3000	24.6	25.0	-1.7	20.0
Styrene	Ave	1.175	1.205	0.3000	25.6	25.0	2.5	20.0
Bromoform	Ave	0.2322	0.2443	0.1000	26.3	25.0	5.2	50.0
Isopropylbenzene	Ave	3.521	3.269	0.1000	23.2	25.0	-7.2	20.0
Bromobenzene	Ave	0.8898	0.8227		23.1	25.0	-7.5	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9062	0.7708	0.3000	21.3	25.0	-14.9	20.0
N-Propylbenzene	Ave	3.981	3.698		23.2	25.0	-7.1	20.0
1,2,3-Trichloropropane	Ave	0.2891	0.2638		22.8	25.0	-8.8	20.0
trans-1,4-Dichloro-2-butene	Lin1		0.3106		18.3	25.0	-26.7	50.0
2-Chlorotoluene	Ave	0.8312	0.7455		22.4	25.0	-10.3	20.0
1,3,5-Trimethylbenzene	Ave	2.964	2.699		22.8	25.0	-9.0	20.0
4-Chlorotoluene	Ave	2.559	2.293		22.4	25.0	-10.4	20.0
tert-Butylbenzene	Ave	0.6484	0.5983		23.1	25.0	-7.7	20.0
1,2,4-Trimethylbenzene	Ave	3.052	2.732		22.4	25.0	-10.5	20.0
sec-Butylbenzene	Ave	3.630	3.408		23.5	25.0	-6.1	20.0
1,3-Dichlorobenzene	Ave	1.705	1.587	0.6000	23.3	25.0	-6.9	20.0
4-Isopropyltoluene	Ave	3.325	3.069		23.1	25.0	-7.7	20.0
1,4-Dichlorobenzene	Ave	1.778	1.581	0.5000	22.2	25.0	-11.0	20.0
n-Butylbenzene	Ave	2.812	2.581		22.9	25.0	-8.2	20.0
1,2-Dichlorobenzene	Ave	1.683	1.466	0.4000	21.8	25.0	-12.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Lab Sample ID: CCVIS 480-570843/4 Calibration Date: 03/01/2021 09:03

Instrument ID: HP5973N Calib Start Date: 02/09/2021 15:22

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 02/09/2021 18:11

Lab File ID: N9212.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.2037	0.1569	0.0500	19.3	25.0	-23.0	50.0
1,2,4-Trichlorobenzene	Ave	1.186	1.030	0.2000	21.7	25.0	-13.2	20.0
Hexachlorobutadiene	Ave	0.5218	0.5136		24.6	25.0	-1.6	20.0
Naphthalene	Ave	3.452	2.770		20.1	25.0	-19.8	20.0
1,2,3-Trichlorobenzene	Ave	1.140	0.9930		21.8	25.0	-12.9	20.0
Dibromofluoromethane (Surr)	Ave	1.302	1.367		26.2	25.0	5.0	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	1.755	1.774		25.3	25.0	1.0	20.0
Toluene-d8 (Surr)	Ave	1.355	1.243		22.9	25.0	-8.3	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4124	0.4139		25.1	25.0	0.4	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210301-96893.b\N9212.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 01-Mar-2021 09:03:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0096893-004
Operator ID: AM Instrument ID: HP5973N
Sublist: chrom-N-8260*sub38

Method: \\chromfs\Buffalo\ChromData\HP5973N\20210301-96893.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 01-Mar-2021 07:22:41 Calib Date: 10-Feb-2021 17:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20210210-96581.b\N8883.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1610

First Level Reviewer: moffata Date: 01-Mar-2021 07:22:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.574	5.574	0.000	98	182176	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.579	8.579	0.000	89	760563	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.958	10.958	0.000	95	439084	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.990	4.990	0.000	93	249087	25.0	26.2	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.300	5.300	0.000	60	323102	25.0	25.3	
$ 6 Toluene-d8 (Surr)	98	7.088	7.088	0.000	95	945692	25.0	22.9	
$ 7 4-Bromofluorobenzene (Surr)	174	9.832	9.832	0.000	94	314768	25.0	25.1	
11 Dichlorodifluoromethane	85	1.315	1.315	0.000	98	250799	25.0	27.1	
13 Chloromethane	50	1.504	1.504	0.000	99	364825	25.0	24.2	
14 Vinyl chloride	62	1.607	1.607	0.000	69	285912	25.0	24.7	
144 Butadiene	54	1.613	1.613	0.000	99	372794	25.0	26.6	
15 Bromomethane	94	1.930	1.930	0.000	93	167794	25.0	26.7	
16 Chloroethane	64	2.009	2.009	0.000	97	178468	25.0	23.7	
18 Trichlorofluoromethane	101	2.240	2.240	0.000	88	371615	25.0	29.3	
17 Dichlorofluoromethane	67	2.252	2.252	0.000	97	395045	25.0	26.3	
19 Ethyl ether	59	2.544	2.544	0.000	95	297671	25.0	26.7	
20 Acrolein	56	2.733	2.733	0.000	99	201558	125.0	111.3	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.763	2.763	0.000	81	258625	25.0	32.3	
22 1,1-Dichloroethene	96	2.763	2.763	0.000	92	233733	25.0	31.5	
23 Acetone	43	2.897	2.897	0.000	97	743623	125.0	121.8	
24 Iodomethane	142	2.927	2.927	0.000	99	431823	25.0	28.9	
25 Carbon disulfide	76	2.970	2.970	0.000	99	799725	25.0	30.6	
27 3-Chloro-1-propene	41	3.146	3.146	0.000	86	697684	25.0	29.0	
28 Methyl acetate	43	3.195	3.195	0.000	100	738422	50.0	49.2	
30 Methylene Chloride	84	3.292	3.292	0.000	92	263920	25.0	25.8	
31 2-Methyl-2-propanol	59	3.475	3.475	0.000	96	395821	250.0	205.1	
32 Methyl tert-butyl ether	73	3.517	3.517	0.000	98	886045	25.0	26.7	
33 trans-1,2-Dichloroethene	96	3.529	3.529	0.000	93	275670	25.0	29.0	
34 Acrylonitrile	53	3.590	3.590	0.000	98	1758865	250.0	250.7	
35 Hexane	57	3.724	3.724	0.000	95	550642	25.0	31.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
36 1,1-Dichloroethane	63	3.955	3.955	0.000	97	560341	25.0	29.0	
39 Vinyl acetate	43	4.004	4.004	0.000	97	1989517	50.0	58.1	
42 2,2-Dichloropropane	77	4.479	4.479	0.000	86	338117	25.0	29.5	
43 cis-1,2-Dichloroethene	96	4.515	4.515	0.000	84	293069	25.0	26.4	
44 2-Butanone (MEK)	43	4.552	4.552	0.000	97	1234177	125.0	133.1	
47 Chlorobromomethane	128	4.752	4.752	0.000	90	154503	25.0	26.7	
49 Tetrahydrofuran	42	4.777	4.777	0.000	92	330088	50.0	50.3	
50 Chloroform	83	4.831	4.831	0.000	96	497361	25.0	26.6	
51 1,1,1-Trichloroethane	97	4.947	4.947	0.000	97	431571	25.0	28.9	
52 Cyclohexane	56	4.953	4.953	0.000	98	629107	25.0	34.4	
53 Carbon tetrachloride	117	5.081	5.081	0.000	95	416186	25.0	33.9	
54 1,1-Dichloropropene	75	5.099	5.099	0.000	88	413211	25.0	32.8	
55 Benzene	78	5.306	5.306	0.000	94	1150046	25.0	28.5	
56 Isobutyl alcohol	43	5.324	5.324	0.000	91	511690	625.0	557.9	
57 1,2-Dichloroethane	62	5.373	5.373	0.000	96	485164	25.0	28.2	
59 n-Heptane	43	5.476	5.476	0.000	97	726356	25.0	38.1	
60 Trichloroethene	95	5.914	5.914	0.000	93	288626	25.0	28.8	
62 Methylcyclohexane	83	6.036	6.036	0.000	95	492188	25.0	29.6	
63 1,2-Dichloropropane	63	6.158	6.158	0.000	84	298918	25.0	26.8	
64 Dibromomethane	93	6.298	6.298	0.000	94	184892	25.0	27.8	
66 1,4-Dioxane	88	6.304	6.304	0.000	40	60234	500.0	369.3	
67 Dichlorobromomethane	83	6.456	6.456	0.000	96	363722	25.0	27.2	
69 2-Chloroethyl vinyl ether	63	6.723	6.723	0.000	88	214717	25.0	28.9	
71 cis-1,3-Dichloropropene	75	6.869	6.869	0.000	86	465731	25.0	28.8	
72 4-Methyl-2-pentanone (MIBK)	58	7.009	7.009	0.000	98	814198	125.0	118.1	
73 Toluene	92	7.155	7.155	0.000	97	730060	25.0	24.6	
75 trans-1,3-Dichloropropene	75	7.435	7.435	0.000	97	427737	25.0	24.5	
77 Ethyl methacrylate	69	7.478	7.478	0.000	94	374230	25.0	24.7	
78 1,1,2-Trichloroethane	83	7.630	7.630	0.000	94	204600	25.0	24.9	
79 Tetrachloroethene	166	7.691	7.691	0.000	96	326785	25.0	28.5	
80 1,3-Dichloropropane	76	7.788	7.788	0.000	93	442831	25.0	25.3	
82 2-Hexanone	43	7.855	7.855	0.000	97	1785564	125.0	128.5	
83 Chlorodibromomethane	129	8.031	8.031	0.000	90	283928	25.0	25.2	
84 Ethylene Dibromide	107	8.135	8.135	0.000	99	272985	25.0	24.9	
85 Chlorobenzene	112	8.609	8.609	0.000	93	810661	25.0	25.8	
88 Ethylbenzene	91	8.701	8.701	0.000	99	1390399	25.0	25.6	
89 1,1,1,2-Tetrachloroethane	131	8.713	8.713	0.000	93	305393	25.0	25.8	
90 m-Xylene & p-Xylene	106	8.822	8.822	0.000	98	548519	25.0	25.8	
91 o-Xylene	106	9.248	9.248	0.000	97	537880	25.0	24.6	
92 Styrene	104	9.285	9.285	0.000	96	916423	25.0	25.6	
93 Bromoform	173	9.534	9.534	0.000	96	185793	25.0	26.3	
95 Isopropylbenzene	105	9.631	9.631	0.000	96	1435163	25.0	23.2	
97 Bromobenzene	156	9.978	9.978	0.000	90	361220	25.0	23.1	
98 1,1,2,2-Tetrachloroethane	83	10.027	10.027	0.000	94	338443	25.0	21.3	
100 N-Propylbenzene	91	10.051	10.051	0.000	99	1623536	25.0	23.2	
99 1,2,3-Trichloropropane	110	10.063	10.063	0.000	94	115834	25.0	22.8	
101 trans-1,4-Dichloro-2-butene	53	10.075	10.075	0.000	80	136368	25.0	18.3	
102 2-Chlorotoluene	126	10.161	10.161	0.000	96	327317	25.0	22.4	
104 1,3,5-Trimethylbenzene	105	10.228	10.228	0.000	95	1185063	25.0	22.8	
105 4-Chlorotoluene	91	10.270	10.270	0.000	98	1006966	25.0	22.4	
106 tert-Butylbenzene	134	10.544	10.544	0.000	95	262688	25.0	23.1	
108 1,2,4-Trimethylbenzene	105	10.599	10.599	0.000	98	1199601	25.0	22.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.751	10.751	0.000	95	1496332	25.0	23.5	
110 1,3-Dichlorobenzene	146	10.891	10.891	0.000	87	696874	25.0	23.3	
111 4-Isopropyltoluene	119	10.891	10.891	0.000	97	1347711	25.0	23.1	
113 1,4-Dichlorobenzene	146	10.982	10.982	0.000	96	694362	25.0	22.2	
115 n-Butylbenzene	91	11.274	11.274	0.000	98	1133387	25.0	22.9	
116 1,2-Dichlorobenzene	146	11.329	11.329	0.000	97	643730	25.0	21.8	
117 1,2-Dibromo-3-Chloropropane	75	12.059	12.059	0.000	83	68885	25.0	19.3	
119 1,2,4-Trichlorobenzene	180	12.728	12.728	0.000	95	452345	25.0	21.7	
120 Hexachlorobutadiene	225	12.837	12.837	0.000	96	225494	25.0	24.6	
121 Naphthalene	128	12.947	12.947	0.000	97	1216183	25.0	20.1	
122 1,2,3-Trichlorobenzene	180	13.148	13.148	0.000	96	436015	25.0	21.8	

QC Flag Legend

Processing Flags

Reagents:

GAS CORP mix_00443	Amount Added: 12.50	Units: uL	
8260 CORP mix_00202	Amount Added: 12.50	Units: uL	
N 8260 IS_00205	Amount Added: 1.00	Units: uL	Run Reagent
N_8260_Surr_00408	Amount Added: 1.00	Units: uL	Run Reagent

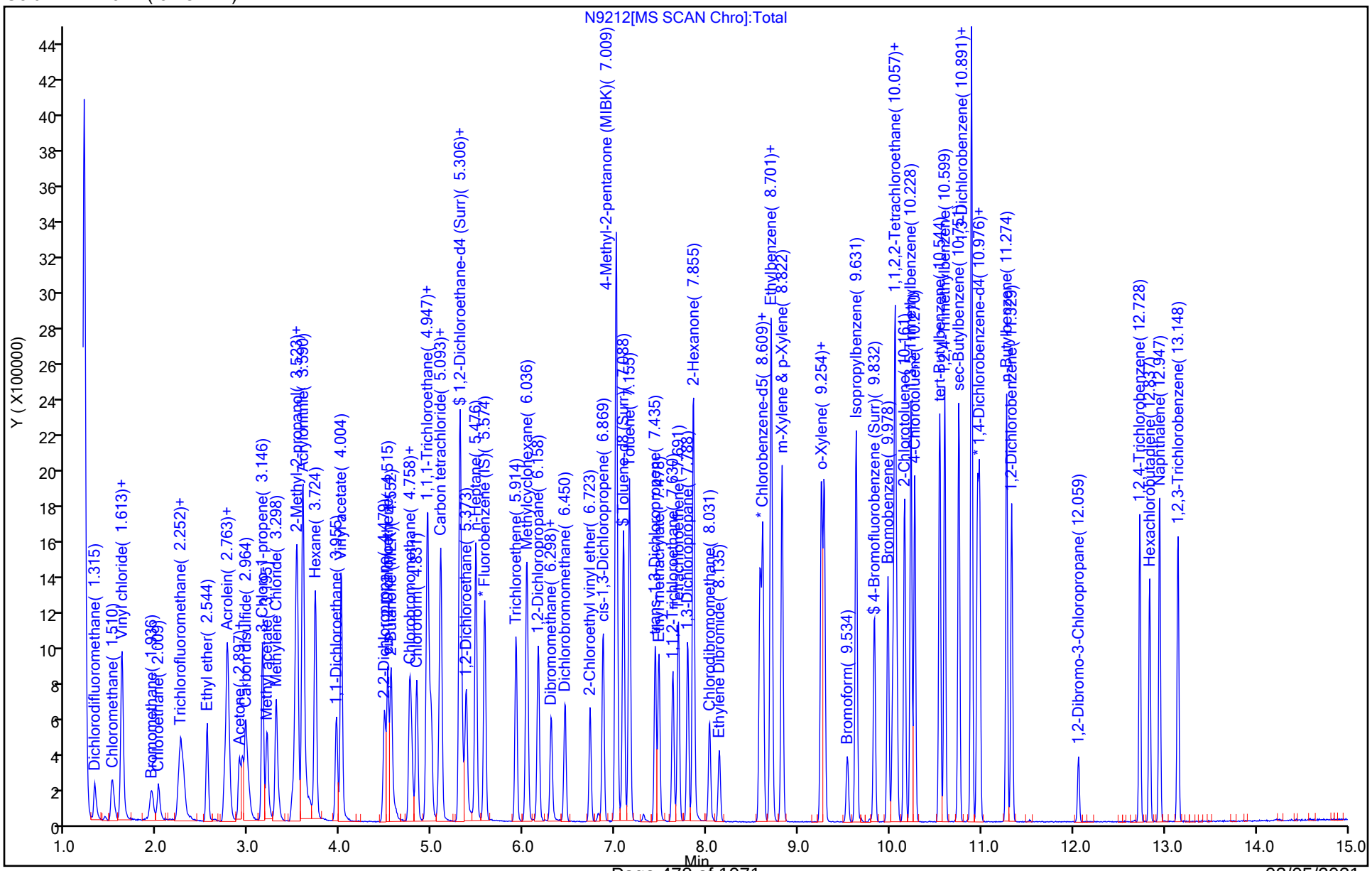
Report Date: 01-Mar-2021 07:22:42 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210301-96893.b\N9212.D

Injection Date:	01-Mar-2021 09:03:30	Instrument ID:	HP5973N	Operator ID:	AM
Lims ID:	CCVIS			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4177.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	22-Feb-2021 14:26:30	ALS Bottle#:	3	Worklist Smp#:	4
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	bfb				
Misc. Info.:	480-0096781-004				
Operator ID:	RF	Instrument ID:	HP5973C		
Method:	\\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	25-Feb-2021 11:31:09	Calib Date:	22-Feb-2021 22:20:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4196.D				
Column 1 :	ZB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1673				
First Level Reviewer: HillL		Date:	25-Feb-2021 11:14:36		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	5.498	5.498	0.000	0	197226	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

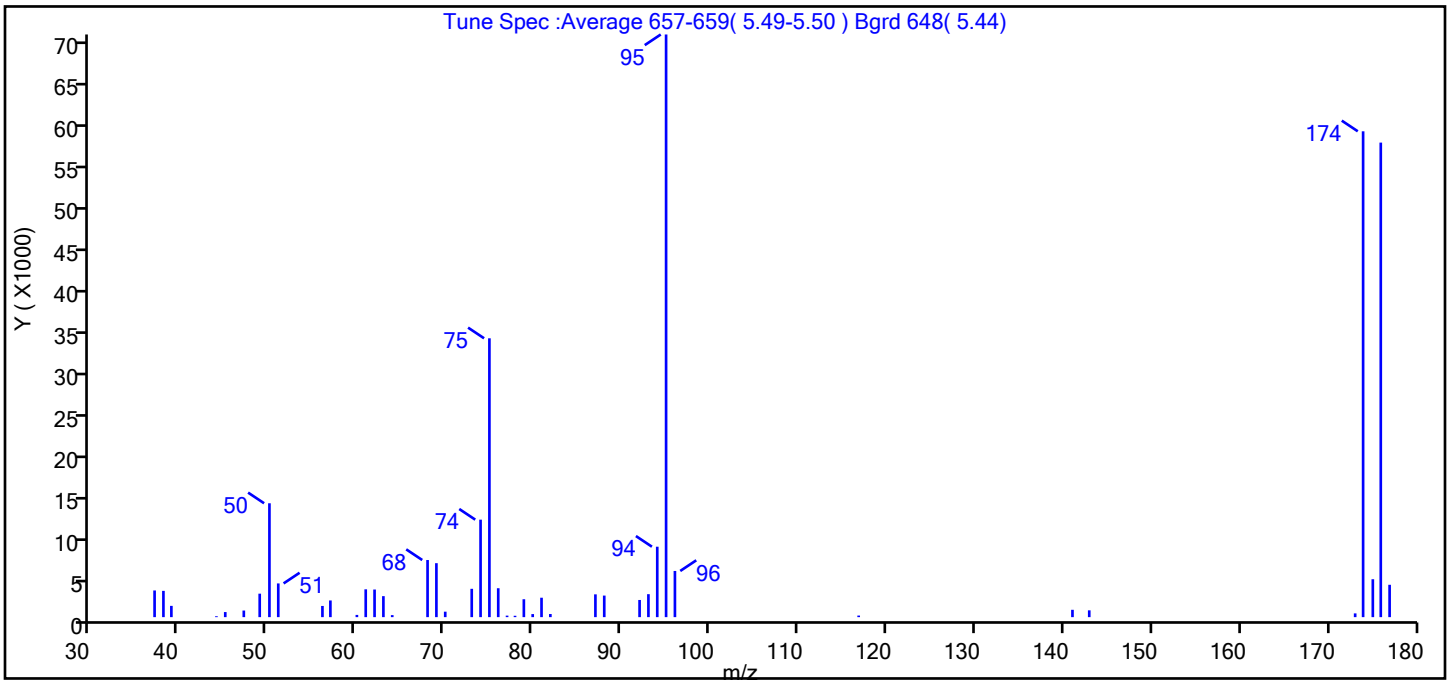
BFB_WRK_00117 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4177.D				
Injection Date:	22-Feb-2021 14:26:30	Instrument ID:	HP5973C		
Lims ID:	BFB				
Client ID:					
Operator ID:	RF	ALS Bottle#:	3	Worklist Smp#:	4
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Tune Method:	BFB Method 8260				

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	19.5
75	30 to 60% of m/z 95	47.9
96	5 to 9% of m/z 95	7.9
173	Less than 2% of m/z 174	0.6 (0.8)
174	50 to 120% of m/z 95	83.4
175	5 to 9% of m/z 174	6.5 (7.8)
176	Greater than 95% but less than 101% of m/z 174	81.4 (97.7)
177	5 to 9% of m/z 176	5.6 (6.8)

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4177.D\C-8260.rslt\spectra.d
Injection Date: 22-Feb-2021 14:26:30
Spectrum: Tune Spec :Average 657-659(5.49-5.50) Bgrd 648(5.44)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 44

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	3249	60.00	272	76.00	3521	94.00	8578
38.00	3200	61.00	3389	77.00	185	95.00	70960
39.00	1373	62.00	3364	78.00	167	96.00	5624
44.00	109	63.00	2558	79.00	2181	117.00	192
45.00	619	64.00	247	80.00	374	141.00	894
47.00	805	68.00	6957	81.00	2366	143.00	829
49.00	2859	69.00	6572	82.00	380	173.00	457
50.00	13868	70.00	666	87.00	2776	174.00	59168
51.00	4106	73.00	3450	88.00	2626	175.00	4617
56.00	1362	74.00	11873	92.00	2091	176.00	57792
57.00	2032	75.00	33960	93.00	2797	177.00	3940

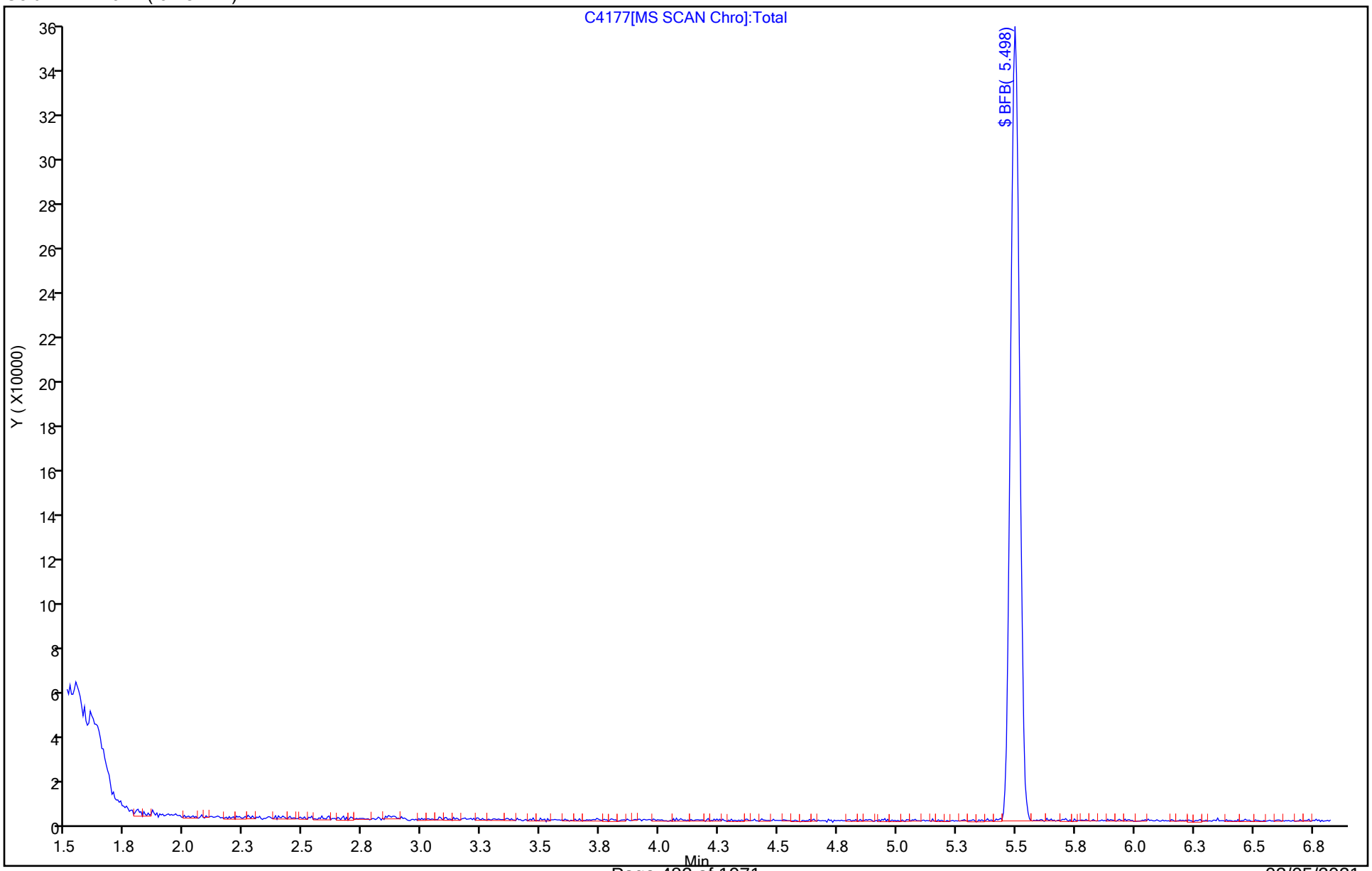
Report Date: 25-Feb-2021 11:31:10 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4177.D

Injection Date:	22-Feb-2021 14:26:30	Instrument ID:	HP5973C	Operator ID:	RF
Lims ID:	BFB			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C4281.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	27-Feb-2021 08:49:30	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	bfb				
Misc. Info.:	480-0096878-002				
Operator ID:	OI	Instrument ID:	HP5973C		
Method:	\\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	27-Feb-2021 09:00:11	Calib Date:	22-Feb-2021 22:20:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4196.D				
Column 1 :	ZB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1662				
First Level Reviewer: izquierdoo		Date:	27-Feb-2021 09:00:11		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	5.498	5.498	0.000	0	259273	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

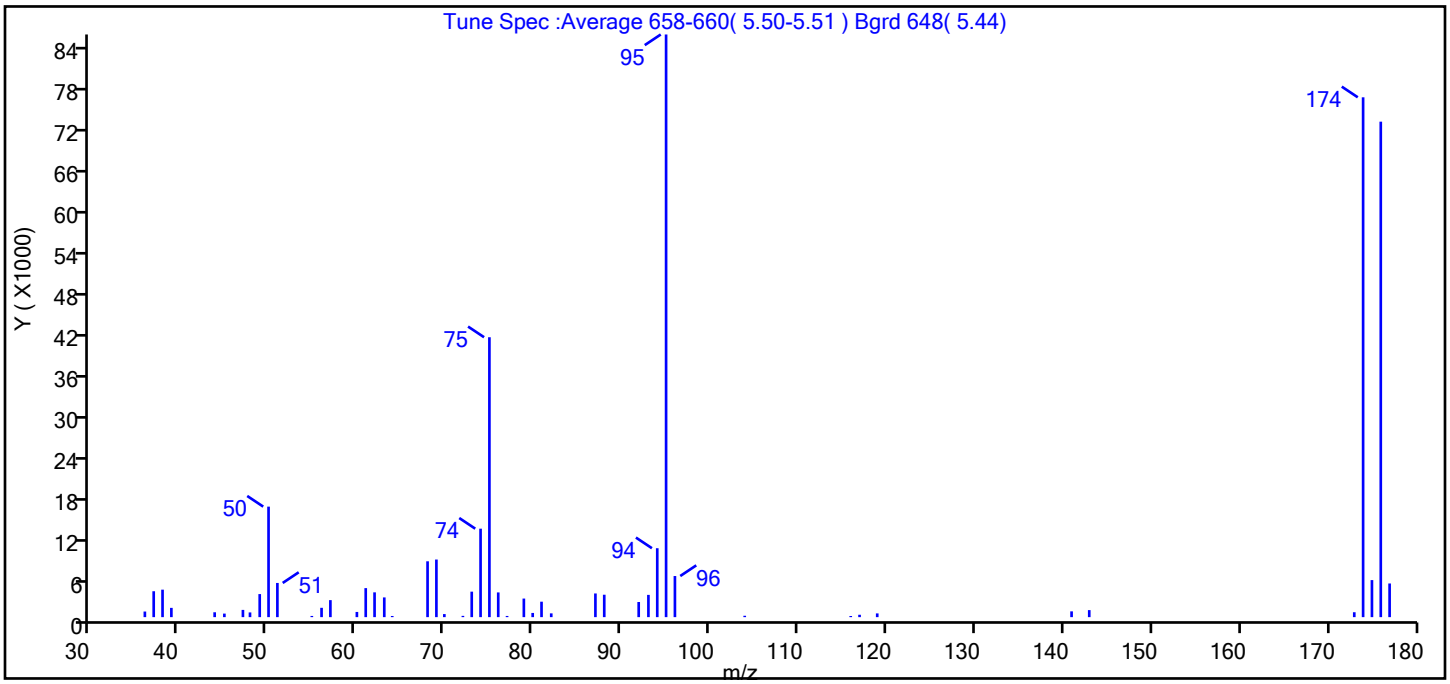
BFB_WRK_00117 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C4281.D
Injection Date: 27-Feb-2021 08:49:30 Instrument ID: HP5973C
Lims ID: BFB
Client ID:
Operator ID: OI ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	19.0
75	30 to 60% of m/z 95	48.0
96	5 to 9% of m/z 95	7.1
173	Less than 2% of m/z 174	0.8 (0.9)
174	50 to 120% of m/z 95	89.2
175	5 to 9% of m/z 174	6.4 (7.1)
176	Greater than 95% but less than 101% of m/z 174	85.0 (95.3)
177	5 to 9% of m/z 176	5.8 (6.8)

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C4281.D\C-8260.rslt\spectra.d
Injection Date: 27-Feb-2021 08:49:30
Spectrum: Tune Spec :Average 658-660(5.50-5.51) Bgrd 648(5.44)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 50

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	827	57.00	2509	76.00	3645	104.00	203
37.00	3820	60.00	767	77.00	175	116.00	167
38.00	4052	61.00	4279	79.00	2740	117.00	352
39.00	1368	62.00	3656	80.00	619	119.00	551
44.00	719	63.00	2908	81.00	2279	141.00	855
45.00	523	64.00	171	82.00	558	143.00	1037
47.00	1068	68.00	8235	87.00	3492	173.00	724
48.00	696	69.00	8495	88.00	3306	174.00	76648
49.00	3400	70.00	453	92.00	2232	175.00	5462
50.00	16295	72.00	188	93.00	3283	176.00	73056
51.00	5041	73.00	3758	94.00	10163	177.00	4964
55.00	178	74.00	13043	95.00	85912		
56.00	1377	75.00	41272	96.00	6063		

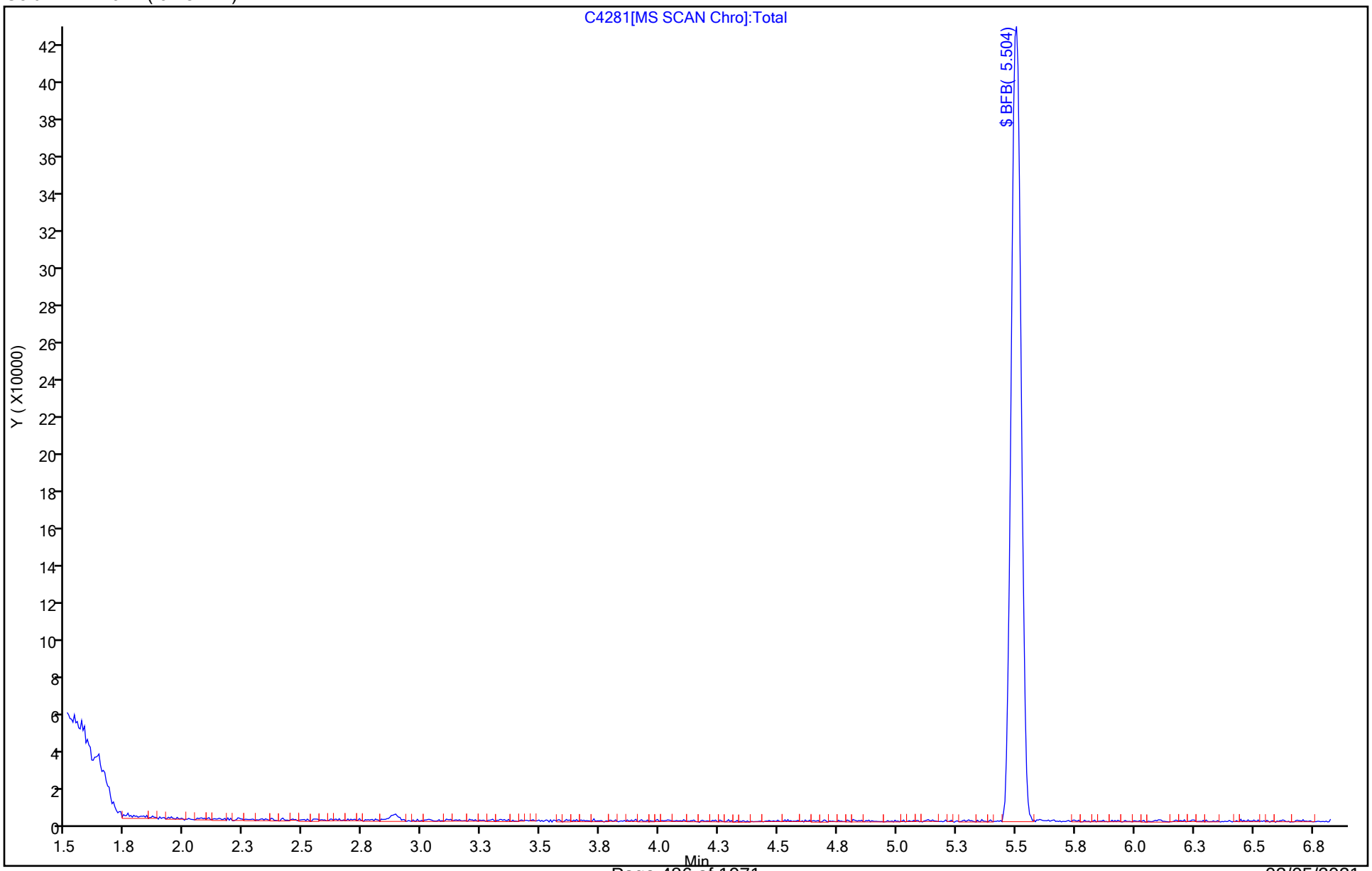
Report Date: 27-Feb-2021 09:00:11 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C4281.D

Injection Date:	27-Feb-2021 08:49:30	Instrument ID:	HP5973C	Operator ID:	OI
Lims ID:	BFB			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210209-96556.b\N8847.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 09-Feb-2021 14:32:30 ALS Bottle#: 16 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0096556-003
Operator ID: WD Instrument ID: HP5973N

Method: \\chromfs\Buffalo\ChromData\HP5973N\20210209-96556.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 10-Feb-2021 12:39:24 Calib Date: 09-Feb-2021 18:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20210209-96556.b\N8856.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1668

First Level Reviewer: dahnw Date: 09-Feb-2021 15:14:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 4 BFB	95	5.099	5.099	0.000	84	355169	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

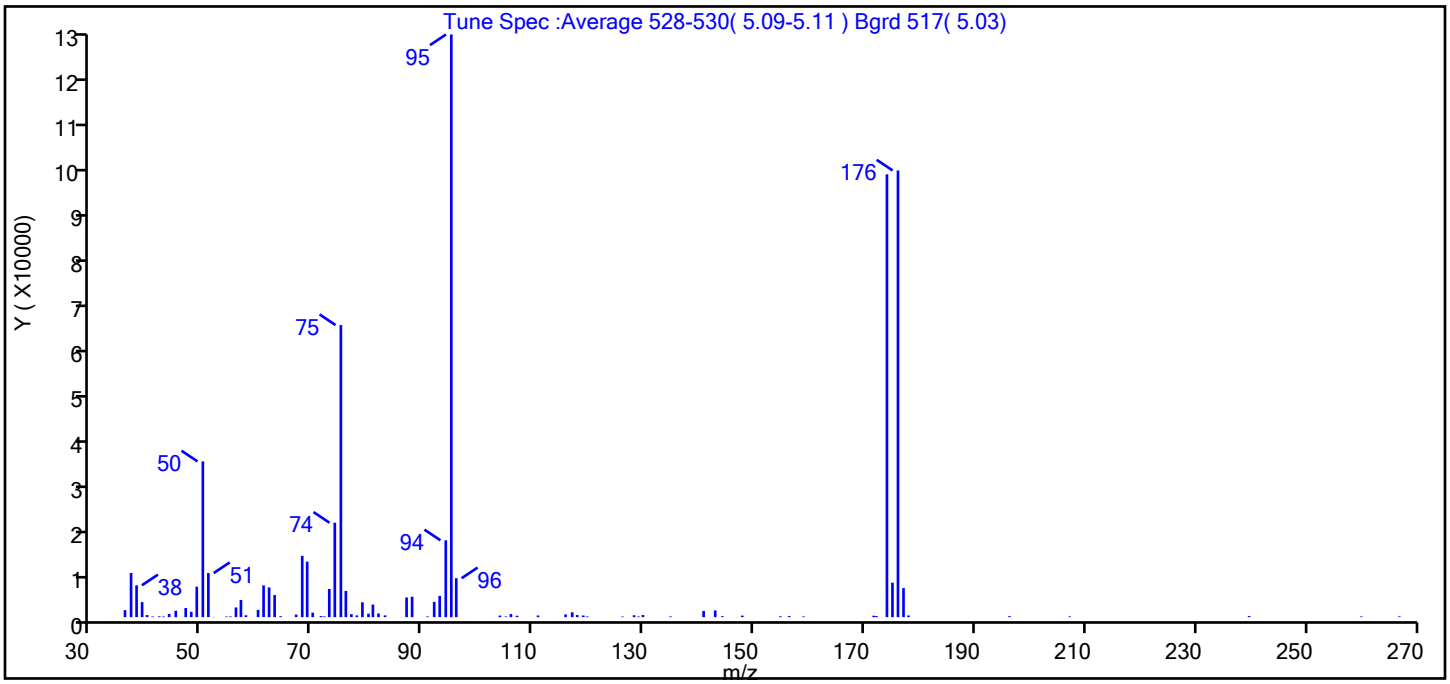
BFB_WRK_00117 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210209-96556.b\N8847.D
Injection Date: 09-Feb-2021 14:32:30 Instrument ID: HP5973N
Lims ID: BFB
Client ID:
Operator ID: WD ALS Bottle#: 16 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	26.7
75	30 to 60% of m/z 95	50.1
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	76.0
175	5 to 9% of m/z 174	5.9 (7.8)
176	Greater than 95% but less than 101% of m/z 174	76.7 (100.9)
177	5 to 9% of m/z 176	5.0 (6.5)

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210209-96556.b\N8847.D\N-8260.rslt\spectra.d
Injection Date: 09-Feb-2021 14:32:30
Spectrum: Tune Spec :Average 528-530(5.09-5.11) Bgrd 517(5.03)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 85

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1539	61.00	6979	88.00	4479	141.00	1358
37.00	9707	62.00	6531	91.00	149	143.00	1474
38.00	7002	63.00	4857	92.00	3362	144.00	215
39.00	3304	64.00	208	93.00	4682	148.00	337
40.00	456	67.00	563	94.00	16896	155.00	182
41.00	136	68.00	13475	95.00	128128	156.00	230
42.00	171	69.00	12201	96.00	8555	159.00	148
43.00	144	70.00	985	104.00	340	172.00	316
44.00	715	72.00	231	105.00	145	172.00	236
45.00	1407	72.00	156	106.00	677	174.00	97384
47.00	2010	73.00	6189	107.00	309	175.00	7575
48.00	1182	74.00	20768	111.00	361	176.00	98224
49.00	6697	75.00	64232	116.00	590	177.00	6381
50.00	34248	76.00	5774	117.00	1062	178.00	360
51.00	9691	77.00	650	118.00	467	196.00	212
52.00	47	78.00	379	119.00	361	207.00	162
54.00	136	79.00	3261	120.00	154	240.00	237
55.00	148	80.00	757	126.00	134	260.00	151
56.00	2133	81.00	2774	128.00	421	267.00	163
57.00	3781	82.00	807	129.00	143		
58.00	410	83.00	390	130.00	471		
60.00	1592	87.00	4330	135.00	153		

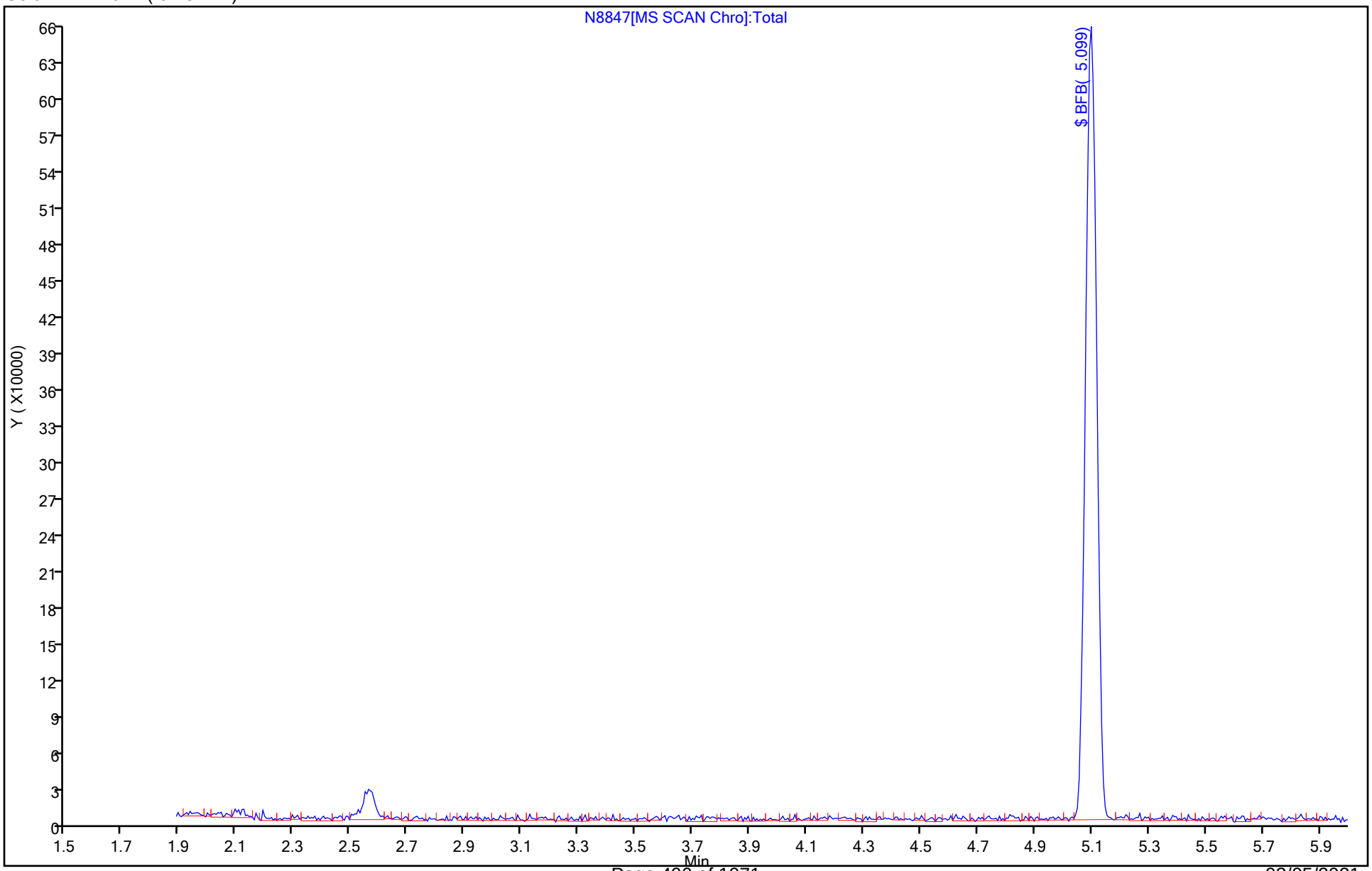
Report Date: 10-Feb-2021 12:39:25 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210209-96556.b\N8847.D

Injection Date:	09-Feb-2021 14:32:30	Instrument ID:	HP5973N	Operator ID:	WD
Lims ID:	BFB			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210301-96893.b\N9211.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 01-Mar-2021 08:34:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0096893-003
Operator ID: AM Instrument ID: HP5973N

Method: \\chromfs\Buffalo\ChromData\HP5973N\20210301-96893.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 01-Mar-2021 06:47:16 Calib Date: 10-Feb-2021 17:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20210210-96581.b\N8883.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1610

First Level Reviewer: moffata Date: 01-Mar-2021 06:47:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 4 BFB	95	5.099	5.099	0.000	83	348509	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

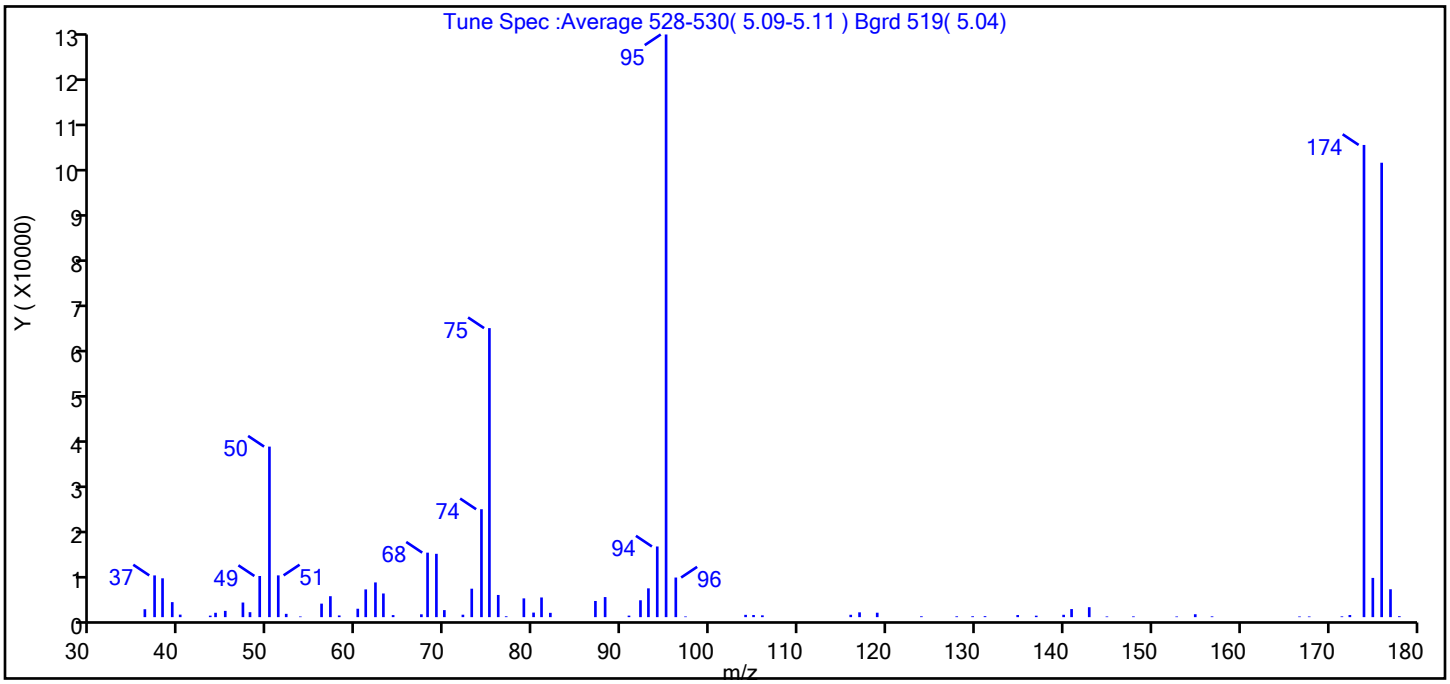
BFB_WRK_00116 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210301-96893.b\N9211.D
Injection Date: 01-Mar-2021 08:34:30 Instrument ID: HP5973N
Lims ID: BFB
Client ID:
Operator ID: AM ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: N-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	29.3
75	30 to 60% of m/z 95	49.6
96	5 to 9% of m/z 95	6.8
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	81.0
175	5 to 9% of m/z 174	6.7 (8.3)
176	Greater than 95% but less than 101% of m/z 174	78.0 (96.2)
177	5 to 9% of m/z 176	4.8 (6.1)

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210301-96893.b\N9211.D\N-8260.rslt\spectra.d
Injection Date: 01-Mar-2021 08:34:30
Spectrum: Tune Spec :Average 528-530(5.09-5.11) Bgrd 519(5.04)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 75

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1685	61.00	5906	88.00	4271	137.00	312
37.00	8883	62.00	7389	91.00	323	140.00	503
38.00	8266	63.00	5037	92.00	3590	141.00	1721
39.00	3194	64.00	437	93.00	6130	143.00	2116
40.00	534	67.00	602	94.00	15038	145.00	148
43.00	320	68.00	13728	95.00	124008	148.00	159
44.00	928	69.00	13478	96.00	8430	153.00	143
45.00	1335	70.00	1497	97.00	146	155.00	620
47.00	3111	72.00	521	104.00	490	157.00	166
48.00	1057	73.00	6056	105.00	455	167.00	144
49.00	8758	74.00	22968	106.00	386	168.00	145
50.00	36296	75.00	61512	116.00	503	172.00	163
51.00	8890	76.00	4721	117.00	1023	172.00	453
52.00	705	77.00	184	119.00	943	174.00	100496
54.00	139	79.00	3994	124.00	181	175.00	8351
56.00	2876	80.00	968	128.00	178	176.00	96712
57.00	4457	81.00	4189	130.00	188	177.00	5934
58.00	361	82.00	917	131.00	212	178.00	195
60.00	1789	87.00	3441	135.00	446		

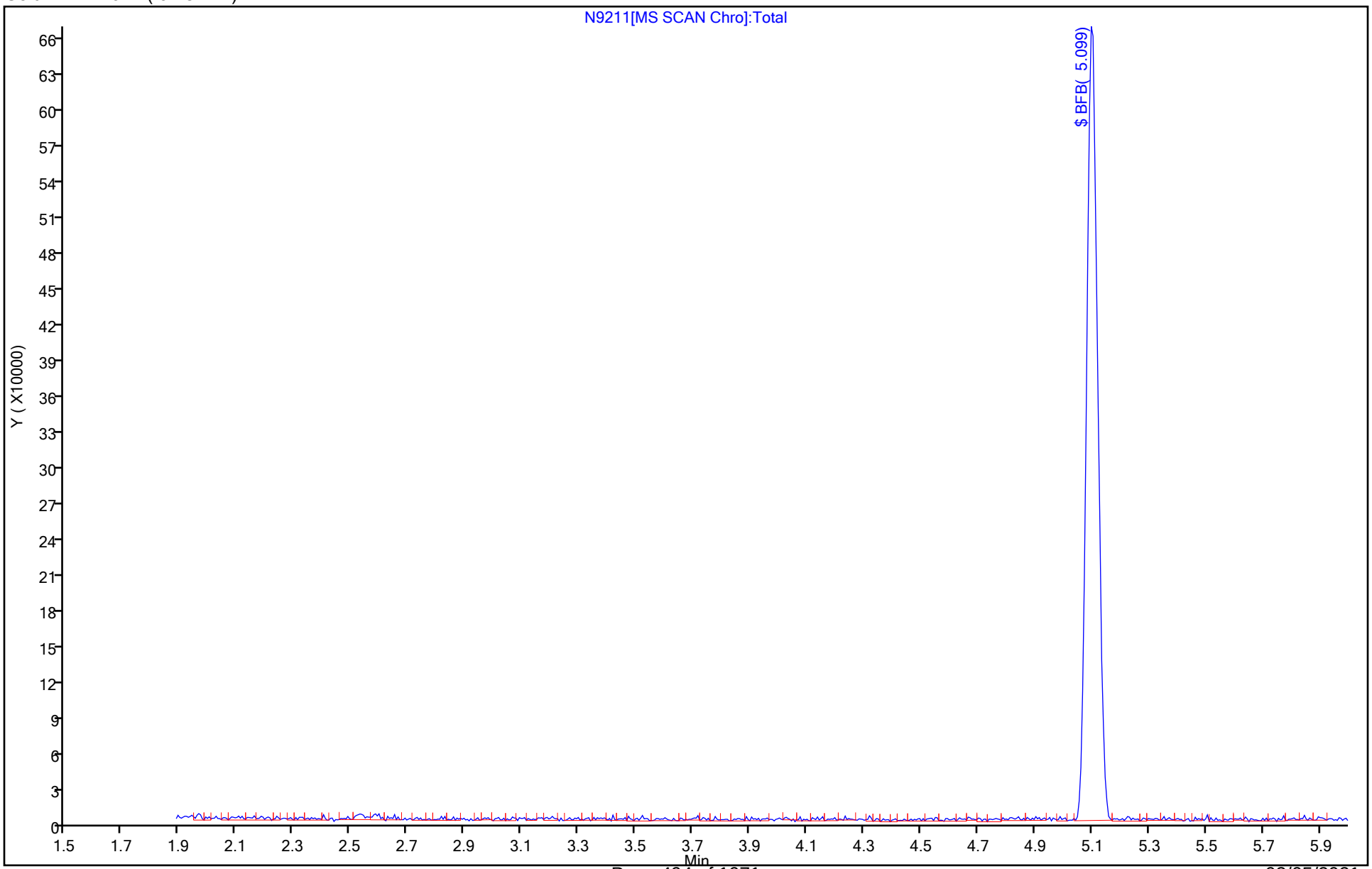
Report Date: 01-Mar-2021 06:47:16 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210301-96893.b\N9211.D

Injection Date:	01-Mar-2021 08:34:30	Instrument ID:	HP5973N	Operator ID:	AM
Lims ID:	BFB			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-570785/7

Matrix: Water Lab File ID: C4286.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 02/27/2021 10:55

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 570785 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.41
100-41-4	Ethylbenzene	ND		1.0	0.74
108-88-3	Toluene	ND		1.0	0.51
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		77-120
460-00-4	4-Bromofluorobenzene (Surr)	107		73-120
1868-53-7	Dibromofluoromethane (Surr)	105		75-123
2037-26-5	Toluene-d8 (Surr)	108		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C4286.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 27-Feb-2021 10:55:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: mb
Misc. Info.: 480-0096878-007
Operator ID: OI Instrument ID: HP5973C

Method: \\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Feb-2021 11:12:25 Calib Date: 22-Feb-2021 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4196.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1662

First Level Reviewer: izquierdoo Date: 27-Feb-2021 11:12:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.811	4.811	0.000	99	159675	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.122	7.122	0.000	84	273824	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.987	8.987	0.000	94	318606	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.334	4.334	0.000	94	225782	25.0	26.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.593	4.593	0.000	99	136191	25.0	26.0	
$ 5 Toluene-d8 (Surr)	98	5.992	5.992	0.000	93	728213	25.0	27.1	
$ 6 4-Bromofluorobenzene (Surr)	174	8.054	8.054	0.000	95	236953	25.0	26.8	
10 Dichlorodifluoromethane	85		1.070					ND	
11 Chlorodifluoromethane	51		1.090					ND	
12 Chloromethane	50		1.236					ND	
13 Vinyl chloride	62		1.318					ND	
151 Butadiene	54		1.339					ND	
14 Bromomethane	94		1.609					ND	
15 Chloroethane	64		1.692					ND	
16 Dichlorofluoromethane	67		1.899					ND	
17 Trichlorofluoromethane	101		1.899					ND	
18 Ethyl ether	59		2.189					ND	
148 Ethanol	45		2.210					ND	
19 Propene oxide	58		2.272					ND	
20 Acrolein	56		2.365					ND	
21 112TCTFE	101		2.386					ND	
22 1,1-Dichloroethene	96		2.396					ND	
23 Acetone	43		2.510					ND	
25 Iodomethane	142		2.541					ND	
26 Carbon disulfide	76		2.572					ND	
24 Isopropyl alcohol	45		2.697					ND	
28 3-Chloro-1-propene	41		2.749					ND	
27 Methyl acetate	43		2.790					ND	
29 Acetonitrile	40		2.811					ND	
30 Methylene Chloride	84		2.883					ND	U
31 2-Methyl-2-propanol	59		3.049					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		3.080					ND	
34 trans-1,2-Dichloroethene	96		3.091					ND	
33 Acrylonitrile	53		3.142					ND	
35 Hexane	57		3.267					ND	
39 1,1-Dichloroethane	63		3.464					ND	
36 Isopropyl ether	45		3.474					ND	
135 Halothane	117		3.505					ND	
40 2-Chloro-1,3-butadiene	53		3.515					ND	
37 Vinyl acetate	43		3.515					ND	
38 1,1-Dimethoxyethane	75		3.546					ND	
41 Tert-butyl ethyl ether	59		3.774					ND	
44 2,2-Dichloropropane	77		3.909					ND	
45 cis-1,2-Dichloroethene	96		3.940					ND	
43 2-Butanone (MEK)	43		3.971					ND	
42 Ethyl acetate	43		4.002					ND	
46 Propionitrile	54		4.065					ND	
48 Chlorobromomethane	128		4.148					ND	
47 Methacrylonitrile	41		4.158					ND	
49 Tetrahydrofuran	42		4.158					ND	
50 Chloroform	83		4.210					ND	U
51 1,1,1-Trichloroethane	97		4.303					ND	
52 Cyclohexane	56		4.303					ND	
55 Carbon tetrachloride	117		4.417					ND	
54 1,1-Dichloropropene	75		4.427					ND	
152 Isooctane	57		4.583					ND	
57 Benzene	78		4.593					ND	
53 Isobutyl alcohol	43		4.604					ND	
58 1,2-Dichloroethane	62		4.645					ND	
56 Tert-amyl methyl ether	73		4.655					ND	U
147 t-Amyl alcohol	59		4.655					ND	
59 n-Heptane	43		4.728					ND	
1 1,4-Difluorobenzene	114		4.894					ND	
141 2,4,4-Trimethyl-1-pentene	55		4.987					ND	
62 Trichloroethene	95		5.080					ND	
60 n-Butanol	56		5.091					ND	
142 Ethyl acrylate	55		5.173					ND	
140 2,4,4-Trimethyl-2-pentene	97		5.173					ND	
64 Methylcyclohexane	83		5.174					ND	
65 1,2-Dichloropropane	63		5.267					ND	
63 Methyl methacrylate	41		5.339					ND	
67 Dibromomethane	93		5.381					ND	
66 1,4-Dioxane	88		5.381					ND	
68 Dichlorobromomethane	83		5.495					ND	
70 2-Nitropropane	43		5.692					ND	
69 2-Chloroethyl vinyl ether	63		5.702					ND	
71 Epichlorohydrin	57		5.785					ND	
72 cis-1,3-Dichloropropene	75		5.816					ND	
73 4-Methyl-2-pentanone (MIBK)	43		5.920					ND	
74 Toluene	92		6.044					ND	
76 2-Methylthiophene	97		6.148					ND	
77 trans-1,3-Dichloropropene	75		6.251					ND	
78 3-Methylthiophene	97		6.272					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
75 Ethyl methacrylate	69		6.272					ND	
79 1,1,2-Trichloroethane	83		6.396					ND	
81 Tetrachloroethene	166		6.448					ND	
82 1,3-Dichloropropane	76		6.521					ND	
80 2-Hexanone	43		6.562					ND	
155 n-Butyl acetate	43		6.635					ND	
83 Chlorodibromomethane	129		6.707					ND	
84 Ethylene Dibromide	107		6.790					ND	
146 1-Chlorohexane	55		7.091					ND	U
85 3-Chlorobenzotrifluoride	180		7.101					ND	
86 4-Chlorobenzotrifluoride	180		7.142					ND	
87 Chlorobenzene	112		7.142					ND	
88 Ethylbenzene	91		7.205					ND	
89 1,1,1,2-Tetrachloroethane	131		7.215					ND	
90 m-Xylene & p-Xylene	106		7.288					ND	
91 o-Xylene	106		7.609					ND	
92 Styrene	104		7.630					ND	
95 Bromoform	173		7.826					ND	
93 2-Chlorobenzotrifluoride	180		7.837					ND	
94 Isopropylbenzene	105		7.899					ND	
96 Cyclohexanone	55		8.044					ND	
101 Bromobenzene	156		8.179					ND	
97 1,1,2,2-Tetrachloroethane	83		8.200					ND	
99 N-Propylbenzene	91		8.220					ND	
100 1,2,3-Trichloropropane	110		8.231					ND	
98 trans-1,4-Dichloro-2-butene	53		8.241					ND	
103 2-Chlorotoluene	126		8.314					ND	
104 3-Chlorotoluene	126		8.365					ND	
102 1,3,5-Trimethylbenzene	105		8.365					ND	
105 4-Chlorotoluene	126		8.407					ND	
106 tert-Butylbenzene	134		8.624					ND	
107 1,2,4-Trimethylbenzene	105		8.676					ND	
108 Pentachloroethane	167		8.687					ND	
109 sec-Butylbenzene	105		8.801					ND	
110 4-Isopropyltoluene	119		8.925					ND	
111 1,3-Dichlorobenzene	146		8.935					ND	7
114 Dicyclopentadiene	66		8.987					ND	
113 1,4-Dichlorobenzene	146		9.008					ND	
112 1,2,3-Trimethylbenzene	105		9.029					ND	
150 Benzyl chloride	126		9.132					ND	
115 n-Butylbenzene	91		9.257					ND	
116 1,2-Dichlorobenzene	146		9.319					ND	
117 1,2-Dibromo-3-Chloropropane	75		9.992					ND	
118 1,3,5-Trichlorobenzene	180		10.117					ND	
119 1,2,4-Trichlorobenzene	180		10.635					ND	
120 Hexachlorobutadiene	225		10.738					ND	
121 Naphthalene	128		10.852					ND	U
122 1,2,3-Trichlorobenzene	180		11.039					ND	
149 2-Methylnaphthalene	142		11.713					ND	U
145 Ethylene oxide TIC	1		0.000					ND	
137 Nitrobenzene	77		0.000					ND	
136 Hexachloroethane	117		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
143 Propene oxide TIC	1		0.000					ND	
144 1-Bromopropane TIC	1		0.000					ND	
139 cis-1,4-Dichloro-2-butene	88		0.000					ND	
S 126 1,3-Dichloropropene, Total	1		30.000					ND	7
S 124 Xylenes, Total	1		30.000					ND	7
S 123 Total BTEX	1		30.000					ND	7
S 125 1,2-Dichloroethene, Total	1		30.000					ND	7
S 157 Trihalomethanes, Total	1		0.000					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

C_8260_Surr_00169	Amount Added:	2.00	Units: uL	Run Reagent
C_8260_IS_00152	Amount Added:	2.00	Units: uL	Run Reagent

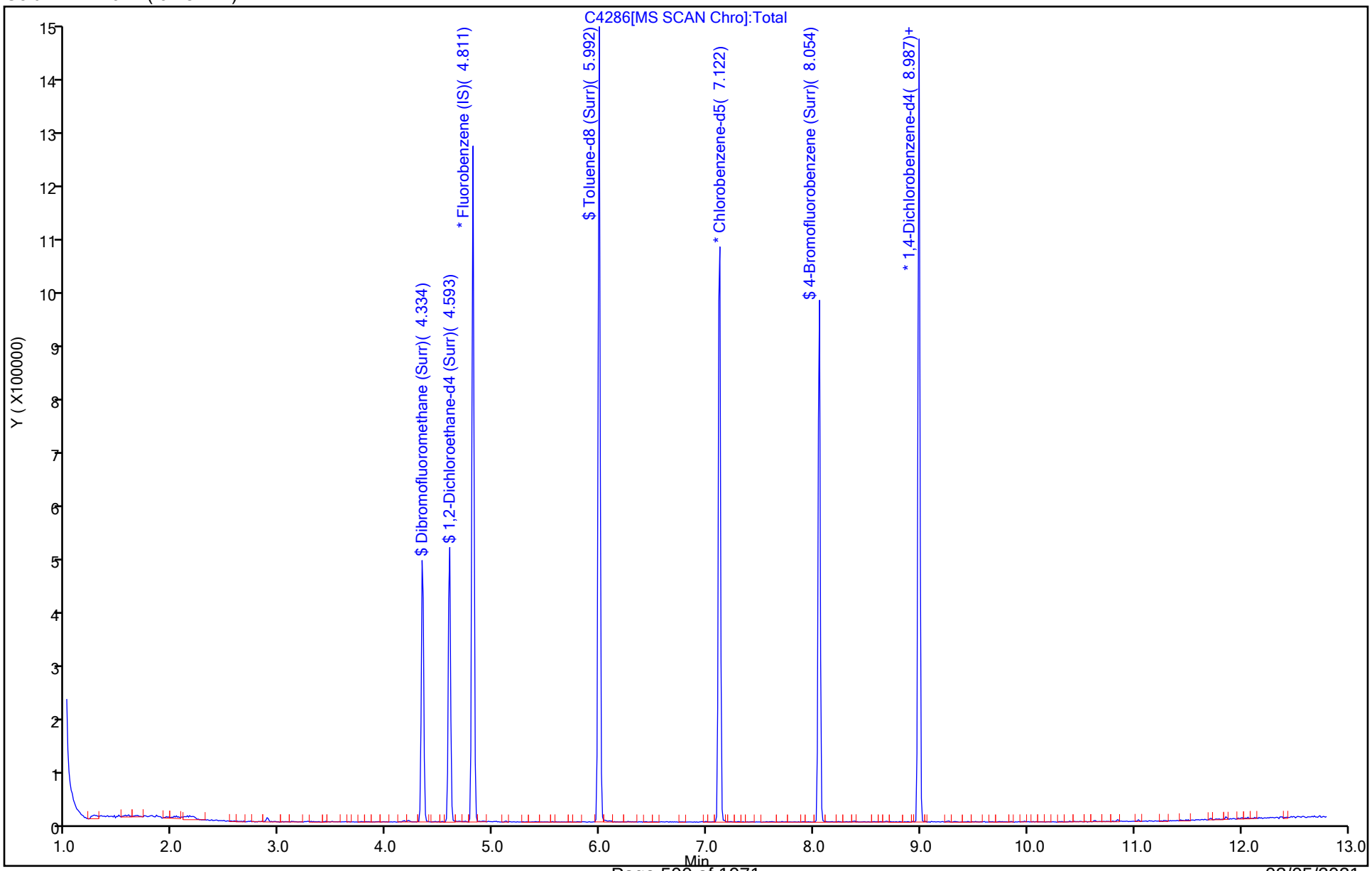
Report Date: 27-Feb-2021 11:12:26 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C4286.D

Injection Date:	27-Feb-2021 10:55:30	Instrument ID:	HP5973C	Operator ID:	OI
Lims ID:	MB			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-570843/8

Matrix: Water Lab File ID: N9216.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 03/01/2021 10:40

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 570843 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.41
100-41-4	Ethylbenzene	ND		1.0	0.74
108-88-3	Toluene	ND		1.0	0.51
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123
2037-26-5	Toluene-d8 (Surr)	95		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210301-96893.b\N9216.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 01-Mar-2021 10:40:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0096893-008
Operator ID: AM Instrument ID: HP5973N

Method: \\chromfs\Buffalo\ChromData\HP5973N\20210301-96893.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 01-Mar-2021 09:13:41 Calib Date: 10-Feb-2021 17:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20210210-96581.b\N8883.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1610

First Level Reviewer: moffata Date: 01-Mar-2021 09:13:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.574	5.574	0.000	98	173673	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.579	8.579	0.000	89	644133	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.958	10.958	0.000	95	346067	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.990	4.990	0.000	92	231256	25.0	25.6	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.300	5.300	0.000	96	309341	25.0	25.4	
$ 6 Toluene-d8 (Surr)	98	7.089	7.089	0.001	95	830740	25.0	23.8	
$ 7 4-Bromofluorobenzene (Surr)	174	9.832	9.832	0.000	90	262811	25.0	24.7	
11 Dichlorodifluoromethane	85		1.315					ND	
12 Chlorodifluoromethane	51		1.333					ND	
13 Chloromethane	50		1.504					ND	
14 Vinyl chloride	62		1.607					ND	
144 Butadiene	54		1.613					ND	
15 Bromomethane	94		1.930					ND	
16 Chloroethane	64		2.009					ND	U
18 Trichlorofluoromethane	101		2.240					ND	
17 Dichlorofluoromethane	67		2.252					ND	
19 Ethyl ether	59		2.544					ND	
141 Ethanol	45		2.562					ND	
81 Propene oxide	58	2.648	2.629	0.019	36	383		NC	
20 Acrolein	56		2.733					ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.763					ND	
22 1,1-Dichloroethene	96		2.763					ND	
23 Acetone	43		2.897					ND	
24 Iodomethane	142		2.927					ND	
25 Carbon disulfide	76		2.970					ND	U
26 Isopropyl alcohol	45		3.085					ND	
27 3-Chloro-1-propene	41		3.146					ND	
28 Methyl acetate	43		3.195					ND	
29 Acetonitrile	40		3.207					ND	
30 Methylene Chloride	84		3.292					ND	
31 2-Methyl-2-propanol	59		3.475					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		3.517					ND	
33 trans-1,2-Dichloroethene	96		3.529					ND	
34 Acrylonitrile	53		3.590					ND	
35 Hexane	57		3.724					ND	
36 1,1-Dichloroethane	63		3.955					ND	
37 Isopropyl ether	45		3.961					ND	
39 Vinyl acetate	43		4.004					ND	
38 2-Chloro-1,3-butadiene	53		4.010					ND	
40 1,1-Dimethoxyethane	75		4.041					ND	
41 Tert-butyl ethyl ether	59		4.302					ND	
42 2,2-Dichloropropane	77		4.479					ND	
43 cis-1,2-Dichloroethene	96		4.515					ND	
44 2-Butanone (MEK)	43		4.552					ND	
45 Ethyl acetate	43		4.576					ND	U
46 Propionitrile	54		4.655					ND	
47 Chlorobromomethane	128		4.752					ND	
48 Methacrylonitrile	67		4.765					ND	
49 Tetrahydrofuran	42		4.777					ND	
50 Chloroform	83		4.831					ND	
51 1,1,1-Trichloroethane	97		4.947					ND	
52 Cyclohexane	56		4.953					ND	
53 Carbon tetrachloride	117		5.081					ND	
54 1,1-Dichloropropene	75		5.099					ND	
146 Isooctane	57		5.294					ND	
55 Benzene	78		5.306					ND	
56 Isobutyl alcohol	43		5.324					ND	
57 1,2-Dichloroethane	62		5.373					ND	
140 t-Amyl alcohol	59		5.373					ND	
58 Tert-amyl methyl ether	73		5.373					ND	
59 n-Heptane	43		5.476					ND	
1 1,4-Difluorobenzene	114		5.677					ND	
60 Trichloroethene	95		5.914					ND	
61 n-Butanol	56		5.939					ND	
62 Methylcyclohexane	83		6.036					ND	
145 Ethyl acrylate	55		6.036					ND	
63 1,2-Dichloropropane	63		6.158					ND	
65 Methyl methacrylate	41		6.249					ND	
64 Dibromomethane	93		6.298					ND	
66 1,4-Dioxane	88		6.304					ND	
67 Dichlorobromomethane	83		6.456					ND	
68 2-Nitropropane	43		6.699					ND	
69 2-Chloroethyl vinyl ether	63		6.723					ND	
70 Epichlorohydrin	57		6.821					ND	
71 cis-1,3-Dichloropropene	75		6.869					ND	
72 4-Methyl-2-pentanone (MIBK)	58		7.009					ND	U
73 Toluene	92		7.155					ND	
74 2-Methylthiophene	97		7.295					ND	
75 trans-1,3-Dichloropropene	75		7.435					ND	
76 3-Methylthiophene	97		7.460					ND	
77 Ethyl methacrylate	69		7.478					ND	
78 1,1,2-Trichloroethane	83		7.630					ND	
79 Tetrachloroethene	166		7.691					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
80 1,3-Dichloropropane	76		7.788					ND	
82 2-Hexanone	43		7.855					ND	
149 n-Butyl acetate	43		7.952					ND	
83 Chlorodibromomethane	129		8.031					ND	
84 Ethylene Dibromide	107		8.135					ND	
139 1-Chlorohexane	55		8.555					ND	U
86 3-Chlorobenzotrifluoride	180		8.573					ND	
85 Chlorobenzene	112		8.609					ND	
87 4-Chlorobenzotrifluoride	180		8.634					ND	
88 Ethylbenzene	91		8.701					ND	
89 1,1,1,2-Tetrachloroethane	131		8.713					ND	
90 m-Xylene & p-Xylene	106		8.822					ND	
91 o-Xylene	106		9.248					ND	
92 Styrene	104		9.285					ND	
93 Bromoform	173		9.534					ND	
94 2-Chlorobenzotrifluoride	180		9.558					ND	
95 Isopropylbenzene	105		9.631					ND	
96 Cyclohexanone	55		9.808					ND	U
97 Bromobenzene	156		9.978					ND	
98 1,1,2,2-Tetrachloroethane	83		10.027					ND	
100 N-Propylbenzene	91		10.051					ND	
99 1,2,3-Trichloropropane	110		10.063					ND	
101 trans-1,4-Dichloro-2-butene	53		10.075					ND	
102 2-Chlorotoluene	126		10.161					ND	
103 3-Chlorotoluene	126		10.221					ND	
104 1,3,5-Trimethylbenzene	105		10.228					ND	
105 4-Chlorotoluene	91		10.270					ND	
106 tert-Butylbenzene	134		10.544					ND	
108 1,2,4-Trimethylbenzene	105		10.599					ND	
107 Pentachloroethane	167		10.611					ND	
109 sec-Butylbenzene	105		10.751					ND	
111 4-Isopropyltoluene	119		10.891					ND	
110 1,3-Dichlorobenzene	146		10.891					ND	U
112 Dicyclopentadiene	66		10.958					ND	U
113 1,4-Dichlorobenzene	146		10.982					ND	U
114 1,2,3-Trimethylbenzene	105		11.006					ND	
143 Benzyl chloride	126		11.122					ND	
115 n-Butylbenzene	91		11.274					ND	
116 1,2-Dichlorobenzene	146		11.329					ND	
117 1,2-Dibromo-3-Chloropropane	75		12.059					ND	U
118 1,3,5-Trichlorobenzene	180		12.186					ND	
119 1,2,4-Trichlorobenzene	180		12.728					ND	
120 Hexachlorobutadiene	225		12.837					ND	
121 Naphthalene	128		12.947					ND	
122 1,2,3-Trichlorobenzene	180		13.148					ND	U
142 2-Methylnaphthalene	142		13.853					ND	U
138 1-Bromopropane	1		0.000					ND	
131 Aziridine TIC	1		0.000					ND	
133 Halothane	1		0.000					ND	
136 Ethylene oxide TIC	1		0.000					ND	
S 123 1,3-Dichloropropene, Total	1		30.000					ND	7
S 126 Xylenes, Total	1		30.000					ND	7

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
S 125 Total BTEX	1		30.000					ND	7
S 124 1,2-Dichloroethene, Total	1		30.000					ND	7

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- 7 - Failed Limit of Detection

Review Flags
- U - Marked Undetected

Reagents:

N 8260 IS_00205	Amount Added:	1.00	Units: uL	Run Reagent
N_8260_Surr_00408	Amount Added:	1.00	Units: uL	Run Reagent

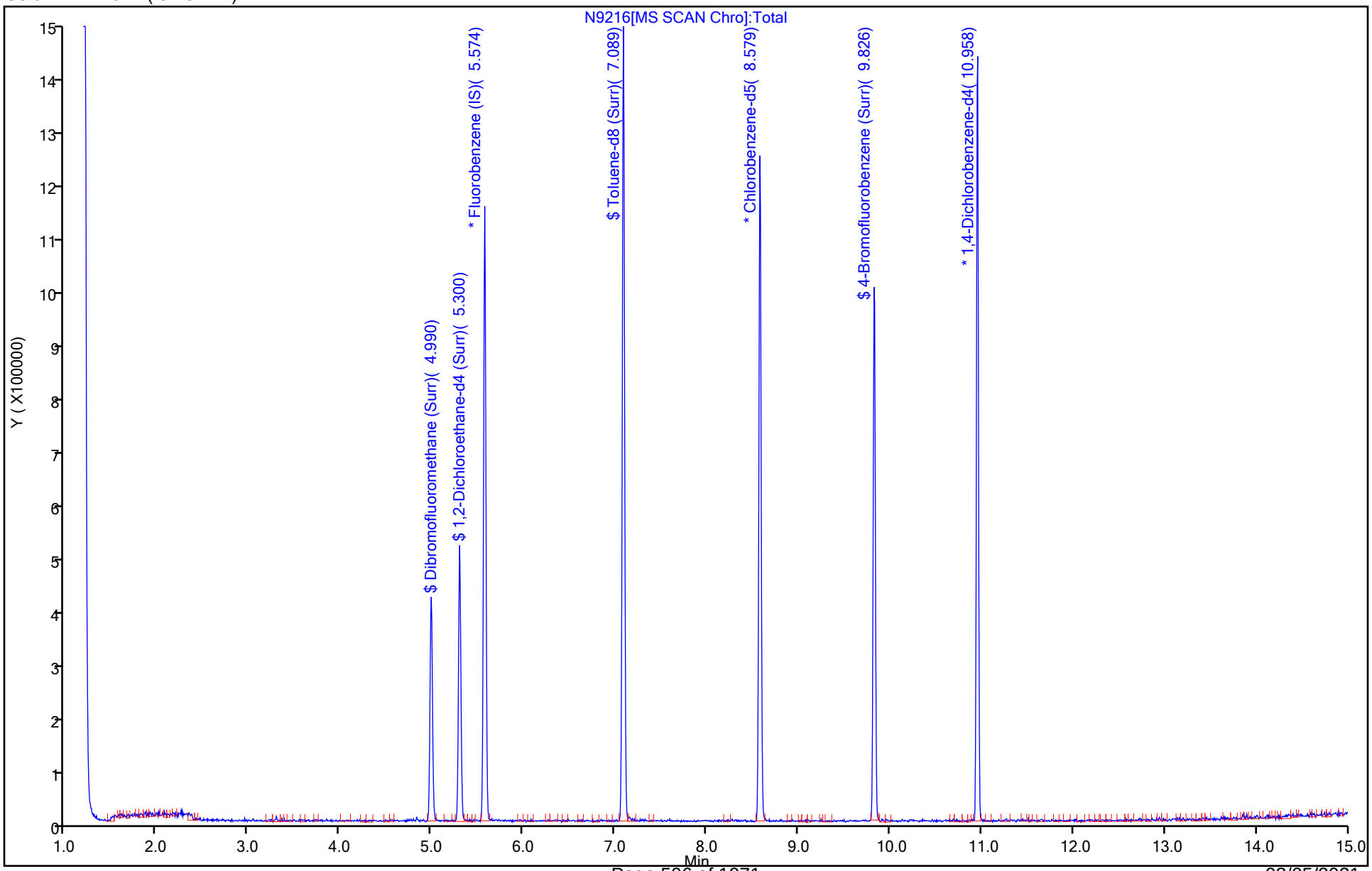
Report Date: 01-Mar-2021 09:13:56 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210301-96893.b\N9216.D

Injection Date:	01-Mar-2021 10:40:30	Instrument ID:	HP5973N	Operator ID:	AM
Lims ID:	MB			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-570785/5

Matrix: Water Lab File ID: C4284.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 02/27/2021 10:06

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 570785 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	25.2		1.0	0.41
100-41-4	Ethylbenzene	25.2		1.0	0.74
108-88-3	Toluene	25.8		1.0	0.51
1330-20-7	Xylenes, Total	51.3		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		77-120
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
1868-53-7	Dibromofluoromethane (Surr)	105		75-123
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C4284.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 27-Feb-2021 10:06:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: lcs
Misc. Info.: 480-0096878-005
Operator ID: OI Instrument ID: HP5973C

Method: \\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Feb-2021 08:19:38 Calib Date: 22-Feb-2021 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4196.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1662

First Level Reviewer: izquierdoo Date: 27-Feb-2021 10:25:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.811	4.811	0.000	99	166310	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.122	7.122	0.000	84	315217	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.987	8.987	0.000	93	357840	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.334	4.334	0.000	95	235004	25.0	26.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.593	4.593	0.000	58	135548	25.0	24.9	
$ 5 Toluene-d8 (Surr)	98	5.992	5.992	0.000	93	786427	25.0	25.4	
$ 6 4-Bromofluorobenzene (Surr)	174	8.054	8.054	0.000	95	256263	25.0	25.2	
10 Dichlorodifluoromethane	85	1.070	1.070	0.000	99	238670	25.0	20.8	
12 Chloromethane	50	1.236	1.236	0.000	99	284940	25.0	23.6	
13 Vinyl chloride	62	1.319	1.318	0.000	98	251003	25.0	21.7	
151 Butadiene	54	1.339	1.339	0.000	90	230705	25.0	20.2	
14 Bromomethane	94	1.609	1.609	0.000	90	158531	25.0	24.1	
15 Chloroethane	64	1.692	1.692	0.000	99	142828	25.0	23.3	
16 Dichlorofluoromethane	67	1.899	1.899	0.000	96	329900	25.0	21.3	
17 Trichlorofluoromethane	101	1.899	1.899	0.000	71	282877	25.0	21.4	
18 Ethyl ether	59	2.189	2.189	0.000	89	198763	25.0	25.6	
20 Acrolein	56	2.365	2.365	0.000	98	110024	125.0	77.3	
21 112TCTFE	101	2.386	2.386	0.000	91	173911	25.0	21.3	
22 1,1-Dichloroethene	96	2.396	2.396	0.000	98	190479	25.0	22.3	
23 Acetone	43	2.521	2.510	0.011	100	518985	125.0	129.8	
25 Iodomethane	142	2.552	2.541	0.011	98	385951	25.0	25.0	
26 Carbon disulfide	76	2.583	2.572	0.011	99	601669	25.0	22.1	
28 3-Chloro-1-propene	41	2.749	2.749	0.000	92	314035	25.0	24.0	
27 Methyl acetate	43	2.800	2.790	0.010	98	451702	50.0	47.6	
30 Methylene Chloride	84	2.883	2.883	0.000	92	237466	25.0	25.5	
31 2-Methyl-2-propanol	59	3.049	3.049	0.000	98	302562	250.0	224.5	
32 Methyl tert-butyl ether	73	3.080	3.080	0.000	96	706013	25.0	26.5	
34 trans-1,2-Dichloroethene	96	3.091	3.091	0.000	99	235267	25.0	25.1	
33 Acrylonitrile	53	3.142	3.142	0.000	99	1373740	250.0	258.9	
35 Hexane	57	3.267	3.267	0.000	90	251524	25.0	19.0	
39 1,1-Dichloroethane	63	3.464	3.464	0.000	96	402954	25.0	25.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	3.515	3.515	0.000	97	813564	50.0	51.8	
44 2,2-Dichloropropane	77	3.909	3.909	0.000	90	215282	25.0	25.0	
45 cis-1,2-Dichloroethene	96	3.940	3.940	0.000	78	263103	25.0	26.2	
43 2-Butanone (MEK)	43	3.971	3.971	0.000	100	806629	125.0	129.1	
48 Chlorobromomethane	128	4.148	4.148	0.000	90	150288	25.0	27.1	
49 Tetrahydrofuran	42	4.158	4.158	0.000	86	217295	50.0	46.6	
50 Chloroform	83	4.210	4.210	0.000	94	398776	25.0	24.7	
51 1,1,1-Trichloroethane	97	4.303	4.303	0.000	98	311402	25.0	25.3	
52 Cyclohexane	56	4.303	4.303	0.000	88	338453	25.0	21.4	
55 Carbon tetrachloride	117	4.417	4.417	0.000	97	253283	25.0	27.3	
54 1,1-Dichloropropene	75	4.427	4.427	0.000	97	293272	25.0	25.2	
57 Benzene	78	4.593	4.593	0.000	96	850409	25.0	25.2	
53 Isobutyl alcohol	43	4.604	4.604	0.000	93	260012	625.0	618.1	
58 1,2-Dichloroethane	62	4.645	4.645	0.000	97	317458	25.0	25.4	
59 n-Heptane	43	4.728	4.728	0.000	91	286357	25.0	22.8	
62 Trichloroethene	95	5.080	5.080	0.000	95	229978	25.0	26.0	
64 Methylcyclohexane	83	5.174	5.174	0.000	90	330393	25.0	21.7	
65 1,2-Dichloropropane	63	5.267	5.267	0.000	95	204611	25.0	26.2	
67 Dibromomethane	93	5.381	5.381	0.000	93	157546	25.0	27.9	
66 1,4-Dioxane	88	5.381	5.381	0.000	91	85063	500.0	660.9	
68 Dichlorobromomethane	83	5.495	5.495	0.000	99	245022	25.0	32.0	
69 2-Chloroethyl vinyl ether	63	5.702	5.702	0.000	92	146369	25.0	28.6	
72 cis-1,3-Dichloropropene	75	5.816	5.816	0.000	96	313180	25.0	30.3	
73 4-Methyl-2-pentanone (MIBK)	43	5.930	5.920	0.010	95	1504365	125.0	137.4	
74 Toluene	92	6.044	6.044	0.000	99	505152	25.0	25.8	
77 trans-1,3-Dichloropropene	75	6.251	6.251	0.000	89	270610	25.0	26.2	
75 Ethyl methacrylate	69	6.282	6.272	0.010	88	250453	25.0	27.8	
79 1,1,2-Trichloroethane	83	6.396	6.396	0.000	89	155682	25.0	28.0	
81 Tetrachloroethene	166	6.448	6.448	0.000	97	227734	25.0	25.8	
82 1,3-Dichloropropane	76	6.521	6.521	0.000	90	313103	25.0	27.7	
80 2-Hexanone	43	6.562	6.562	0.000	95	984639	125.0	137.6	
83 Chlorodibromomethane	129	6.707	6.707	0.000	89	172497	25.0	33.9	
84 Ethylene Dibromide	107	6.790	6.790	0.000	100	210753	25.0	28.4	
87 Chlorobenzene	112	7.143	7.143	0.001	97	573823	25.0	25.8	
88 Ethylbenzene	91	7.205	7.205	0.000	98	929153	25.0	25.2	
89 1,1,1,2-Tetrachloroethane	131	7.215	7.215	0.000	94	207938	25.0	32.2	
90 m-Xylene & p-Xylene	106	7.288	7.288	0.000	97	376423	25.0	25.4	
91 o-Xylene	106	7.609	7.609	0.000	97	392960	25.0	25.9	
92 Styrene	104	7.630	7.630	0.000	95	628796	25.0	25.9	
95 Bromoform	173	7.827	7.827	0.000	96	114561	25.0	28.7	
94 Isopropylbenzene	105	7.899	7.899	0.000	95	1026967	25.0	26.0	
101 Bromobenzene	156	8.179	8.179	0.000	88	260735	25.0	25.8	
97 1,1,2,2-Tetrachloroethane	83	8.200	8.200	0.000	96	300394	25.0	28.3	
99 N-Propylbenzene	91	8.220	8.220	0.000	98	1151428	25.0	25.5	
100 1,2,3-Trichloropropane	110	8.231	8.231	0.000	86	108279	25.0	26.3	
98 trans-1,4-Dichloro-2-butene	53	8.241	8.241	0.000	77	93974	25.0	25.2	
103 2-Chlorotoluene	126	8.314	8.314	0.000	98	255022	25.0	26.3	
102 1,3,5-Trimethylbenzene	105	8.365	8.365	0.000	94	870981	25.0	26.2	
105 4-Chlorotoluene	126	8.407	8.407	0.000	96	252291	25.0	26.3	
106 tert-Butylbenzene	134	8.624	8.624	0.000	92	200676	25.0	27.6	
107 1,2,4-Trimethylbenzene	105	8.676	8.676	0.000	96	903220	25.0	25.8	
109 sec-Butylbenzene	105	8.801	8.801	0.000	94	1088840	25.0	25.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
110 4-Isopropyltoluene	119	8.925	8.925	0.000	97	982354	25.0	26.3	
111 1,3-Dichlorobenzene	146	8.935	8.935	0.000	98	515352	25.0	25.9	
113 1,4-Dichlorobenzene	146	9.008	9.008	0.000	96	523324	25.0	25.2	
115 n-Butylbenzene	91	9.257	9.257	0.000	97	850369	25.0	25.2	
116 1,2-Dichlorobenzene	146	9.319	9.319	0.000	99	525795	25.0	25.3	
117 1,2-Dibromo-3-Chloropropane	75	9.982	9.992	-0.010	87	69801	25.0	26.5	
119 1,2,4-Trichlorobenzene	180	10.635	10.635	0.000	94	425777	25.0	26.1	
120 Hexachlorobutadiene	225	10.739	10.739	0.000	97	188137	25.0	25.2	
121 Naphthalene	128	10.853	10.853	0.000	96	1405132	25.0	26.4	
122 1,2,3-Trichlorobenzene	180	11.039	11.039	0.000	96	410810	25.0	25.5	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00204	Amount Added: 12.50	Units: uL	
GAS CORP mix_00443	Amount Added: 12.50	Units: uL	
C_8260_Surr_00169	Amount Added: 2.00	Units: uL	Run Reagent
C_8260_IS_00152	Amount Added: 2.00	Units: uL	Run Reagent

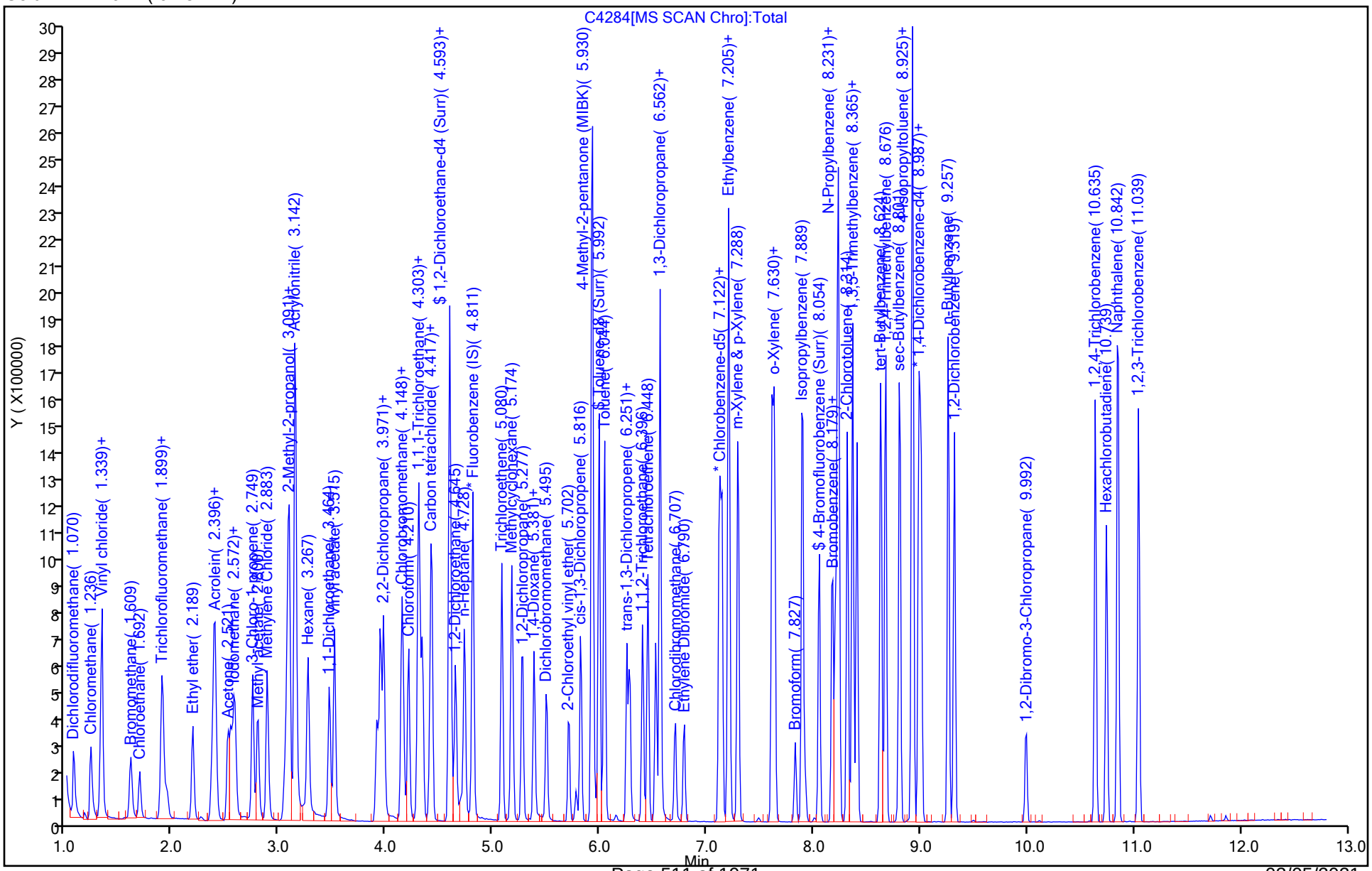
Report Date: 27-Feb-2021 10:25:26 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C4284.D

Injection Date:	27-Feb-2021 10:06:30	Instrument ID:	HP5973C	Operator ID:	OI
Lims ID:	LCS			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-570843/6

Matrix: Water Lab File ID: N9214.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 03/01/2021 09:51

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 570843 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	27.8		1.0	0.41
100-41-4	Ethylbenzene	26.6		1.0	0.74
108-88-3	Toluene	26.3		1.0	0.51
1330-20-7	Xylenes, Total	52.5		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		77-120
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
1868-53-7	Dibromofluoromethane (Surr)	96		75-123
2037-26-5	Toluene-d8 (Surr)	91		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210301-96893.b\N9214.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 01-Mar-2021 09:51:30 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0096893-006
Operator ID: AM Instrument ID: HP5973N

Method: \\chromfs\Buffalo\ChromData\HP5973N\20210301-96893.b\N-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 01-Mar-2021 09:11:20 Calib Date: 10-Feb-2021 17:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973N\20210210-96581.b\N8883.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1610

First Level Reviewer: moffata Date: 01-Mar-2021 09:11:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 147 Fluorobenzene (IS)	70	5.574	5.574	0.000	97	179144	25.0	25.0	
* 2 Chlorobenzene-d5	117	8.579	8.579	0.000	87	700815	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.958	10.958	0.000	95	364907	25.0	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.990	4.990	0.000	92	223929	25.0	24.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.300	5.300	0.000	86	304317	25.0	24.2	
$ 6 Toluene-d8 (Surr)	98	7.088	7.089	0.000	95	867932	25.0	22.8	
$ 7 4-Bromofluorobenzene (Surr)	174	9.832	9.832	0.000	92	295654	25.0	25.6	
11 Dichlorodifluoromethane	85	1.315	1.315	0.000	97	240977	25.0	26.5	
13 Chloromethane	50	1.504	1.504	0.000	99	360668	25.0	24.3	
14 Vinyl chloride	62	1.601	1.607	-0.006	75	277597	25.0	24.4	
144 Butadiene	54	1.619	1.613	0.006	98	402127	25.0	29.2	
15 Bromomethane	94	1.942	1.930	0.012	93	159729	25.0	25.8	
16 Chloroethane	64	2.015	2.009	0.006	96	175066	25.0	23.7	
18 Trichlorofluoromethane	101	2.258	2.240	0.018	97	355368	25.0	28.5	
17 Dichlorofluoromethane	67	2.252	2.252	0.000	97	390628	25.0	26.4	
19 Ethyl ether	59	2.544	2.544	0.000	96	276879	25.0	25.3	
20 Acrolein	56	2.733	2.733	0.000	99	195486	125.0	109.8	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.763	2.763	0.000	72	246833	25.0	31.4	
22 1,1-Dichloroethene	96	2.769	2.763	0.006	93	222165	25.0	30.4	
23 Acetone	43	2.897	2.897	0.000	97	691162	125.0	115.1	
24 Iodomethane	142	2.939	2.927	0.012	99	416389	25.0	28.3	
25 Carbon disulfide	76	2.970	2.970	0.000	99	749554	25.0	29.2	
27 3-Chloro-1-propene	41	3.146	3.146	0.000	85	661780	25.0	28.0	
28 Methyl acetate	43	3.201	3.195	0.006	100	744797	50.0	50.4	
30 Methylene Chloride	84	3.304	3.292	0.012	93	250455	25.0	24.9	
31 2-Methyl-2-propanol	59	3.481	3.475	0.006	99	398646	250.0	210.1	
32 Methyl tert-butyl ether	73	3.511	3.517	-0.006	98	857996	25.0	26.3	
33 trans-1,2-Dichloroethene	96	3.530	3.529	0.001	93	260577	25.0	27.8	
34 Acrylonitrile	53	3.590	3.590	0.000	98	1649313	250.0	239.1	
35 Hexane	57	3.724	3.724	0.000	96	516819	25.0	30.3	
36 1,1-Dichloroethane	63	3.955	3.955	0.000	97	510144	25.0	26.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 Vinyl acetate	43	4.010	4.004	0.006	97	1935718	50.0	57.5	
42 2,2-Dichloropropane	77	4.479	4.479	0.000	89	321633	25.0	28.5	
43 cis-1,2-Dichloroethene	96	4.521	4.515	0.006	83	285270	25.0	26.2	
44 2-Butanone (MEK)	43	4.552	4.552	0.000	97	1268243	125.0	139.1	
47 Chlorobromomethane	128	4.758	4.752	0.006	90	151038	25.0	26.6	
49 Tetrahydrofuran	42	4.777	4.777	0.000	93	320283	50.0	49.7	
50 Chloroform	83	4.831	4.831	0.000	95	464400	25.0	25.3	
51 1,1,1-Trichloroethane	97	4.947	4.947	0.000	97	420195	25.0	28.6	
52 Cyclohexane	56	4.953	4.953	0.000	98	607282	25.0	33.8	
53 Carbon tetrachloride	117	5.081	5.081	0.000	96	391053	25.0	32.4	
54 1,1-Dichloropropene	75	5.099	5.099	0.000	85	385064	25.0	31.1	
55 Benzene	78	5.306	5.306	0.000	95	1103286	25.0	27.8	
56 Isobutyl alcohol	43	5.324	5.324	0.000	93	539730	625.0	598.4	
57 1,2-Dichloroethane	62	5.373	5.373	0.000	96	460717	25.0	27.2	
59 n-Heptane	43	5.476	5.476	0.000	97	678434	25.0	36.2	
60 Trichloroethene	95	5.914	5.914	0.000	94	280299	25.0	28.4	
62 Methylcyclohexane	83	6.036	6.036	0.000	95	473212	25.0	28.9	
63 1,2-Dichloropropane	63	6.158	6.158	0.000	85	294408	25.0	26.9	
64 Dibromomethane	93	6.298	6.298	0.000	93	174531	25.0	26.7	
66 1,4-Dioxane	88	6.298	6.304	-0.006	39	69905	500.0	465.1	
67 Dichlorobromomethane	83	6.450	6.456	-0.006	96	351896	25.0	26.8	
69 2-Chloroethyl vinyl ether	63	6.723	6.723	0.000	88	216519	25.0	29.6	
71 cis-1,3-Dichloropropene	75	6.863	6.869	-0.006	86	446859	25.0	28.1	
72 4-Methyl-2-pentanone (MIBK)	58	7.009	7.009	0.000	98	816453	125.0	128.5	
73 Toluene	92	7.155	7.155	0.000	97	718666	25.0	26.3	
75 trans-1,3-Dichloropropene	75	7.435	7.435	0.000	97	422710	25.0	26.2	
77 Ethyl methacrylate	69	7.478	7.478	0.000	93	376116	25.0	27.0	
78 1,1,2-Trichloroethane	83	7.630	7.630	0.000	96	199112	25.0	26.3	
79 Tetrachloroethene	166	7.691	7.691	0.000	97	319530	25.0	30.3	
80 1,3-Dichloropropane	76	7.788	7.788	0.000	93	431972	25.0	26.7	
82 2-Hexanone	43	7.855	7.855	0.000	98	1853296	125.0	144.7	
83 Chlorodibromomethane	129	8.025	8.032	-0.006	89	271289	25.0	26.1	
84 Ethylene Dibromide	107	8.135	8.135	0.000	97	270596	25.0	26.7	
85 Chlorobenzene	112	8.609	8.609	0.000	93	776745	25.0	26.9	
88 Ethylbenzene	91	8.701	8.701	0.000	99	1332840	25.0	26.6	
89 1,1,1,2-Tetrachloroethane	131	8.707	8.713	-0.006	91	283792	25.0	26.0	
90 m-Xylene & p-Xylene	106	8.822	8.822	0.000	98	535296	25.0	27.3	
91 o-Xylene	106	9.248	9.248	0.000	97	508819	25.0	25.2	
92 Styrene	104	9.285	9.285	0.000	96	886105	25.0	26.9	
93 Bromoform	173	9.534	9.534	0.000	95	179607	25.0	27.6	
95 Isopropylbenzene	105	9.631	9.631	0.000	97	1372774	25.0	26.7	
97 Bromobenzene	156	9.978	9.978	0.000	91	345417	25.0	26.6	
98 1,1,2,2-Tetrachloroethane	83	10.033	10.027	0.006	95	338952	25.0	25.6	
100 N-Propylbenzene	91	10.051	10.051	0.000	99	1555777	25.0	26.8	
99 1,2,3-Trichloropropane	110	10.063	10.063	0.000	92	115921	25.0	27.5	
101 trans-1,4-Dichloro-2-butene	53	10.075	10.076	0.000	71	104871	25.0	17.0	
102 2-Chlorotoluene	126	10.161	10.161	0.000	95	316912	25.0	26.1	
104 1,3,5-Trimethylbenzene	105	10.228	10.228	0.000	95	1122904	25.0	26.0	
105 4-Chlorotoluene	91	10.270	10.270	0.000	98	969941	25.0	26.0	
106 tert-Butylbenzene	134	10.544	10.544	0.000	94	262637	25.0	27.8	
108 1,2,4-Trimethylbenzene	105	10.599	10.599	0.000	98	1160664	25.0	26.1	
109 sec-Butylbenzene	105	10.751	10.751	0.000	94	1457776	25.0	27.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
110 1,3-Dichlorobenzene	146	10.891	10.891	0.000	72	656601	25.0	26.4	
111 4-Isopropyltoluene	119	10.891	10.891	0.000	97	1285627	25.0	26.5	
113 1,4-Dichlorobenzene	146	10.982	10.982	0.000	95	676197	25.0	26.1	
115 n-Butylbenzene	91	11.274	11.274	0.000	98	1113658	25.0	27.1	
116 1,2-Dichlorobenzene	146	11.329	11.329	0.000	97	647982	25.0	26.4	
117 1,2-Dibromo-3-Chloropropane	75	12.059	12.059	0.000	81	70350	25.0	23.7	
119 1,2,4-Trichlorobenzene	180	12.728	12.728	0.000	95	453730	25.0	26.2	
120 Hexachlorobutadiene	225	12.837	12.838	0.000	96	226001	25.0	29.7	
121 Naphthalene	128	12.941	12.947	-0.006	97	1230764	25.0	24.4	
122 1,2,3-Trichlorobenzene	180	13.148	13.148	0.000	96	440784	25.0	26.5	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00202	Amount Added: 12.50	Units: uL	
GAS CORP mix_00443	Amount Added: 12.50	Units: uL	
N 8260 IS_00205	Amount Added: 1.00	Units: uL	Run Reagent
N_8260_Surr_00408	Amount Added: 1.00	Units: uL	Run Reagent

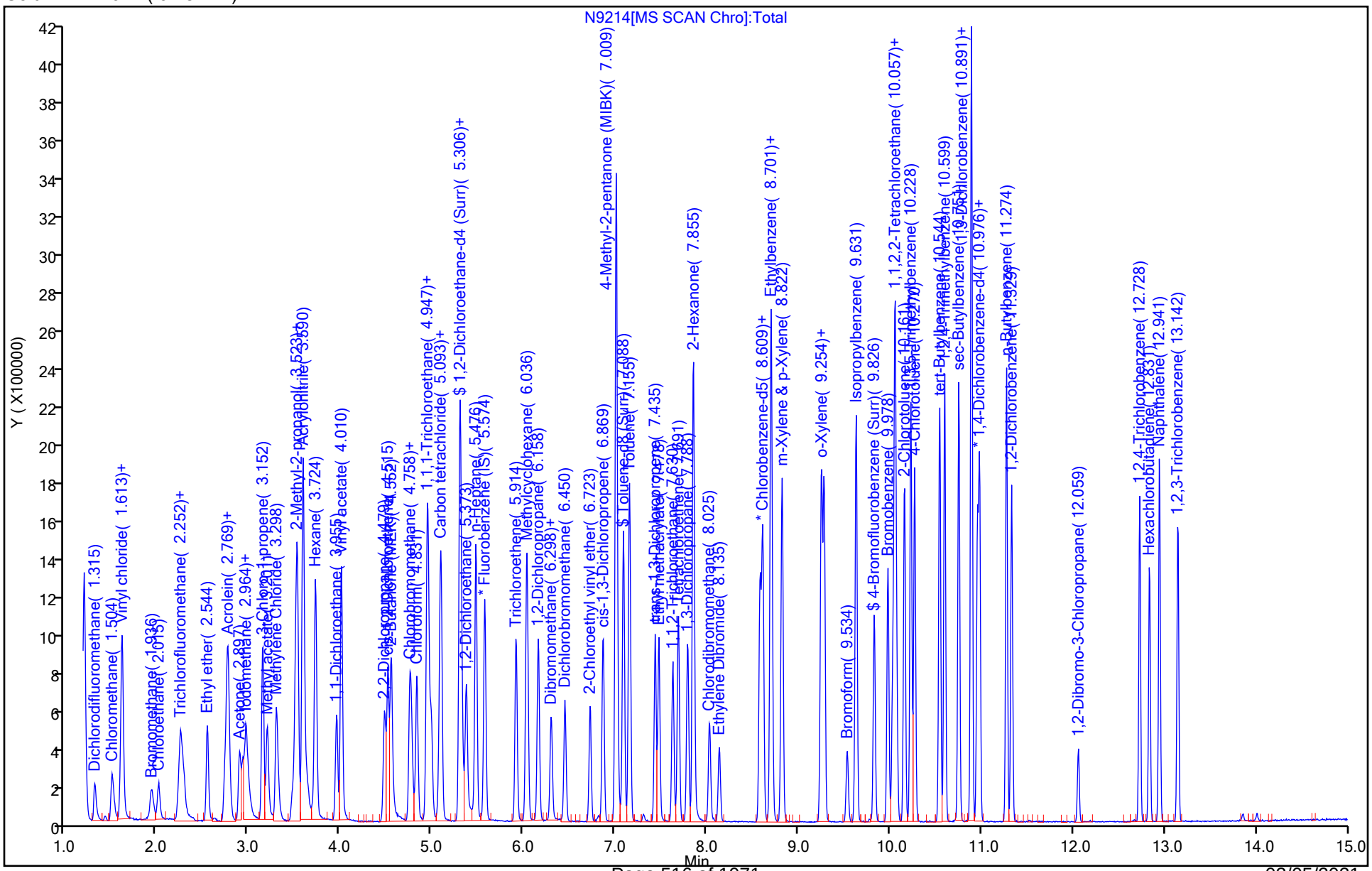
Report Date: 01-Mar-2021 09:11:21 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973N\20210301-96893.b\N9214.D

Injection Date:	01-Mar-2021 09:51:30	Instrument ID:	HP5973N	Operator ID:	AM
Lims ID:	LCS			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	N-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Client Sample ID: MW-2S-022321 MS Lab Sample ID: 480-181441-8 MS

Matrix: Water Lab File ID: C4307.D

Analysis Method: 8260C Date Collected: 02/23/2021 15:20

Sample wt/vol: 5(mL) Date Analyzed: 02/27/2021 19:47

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 570785 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	27.1		1.0	0.41
100-41-4	Ethylbenzene	27.3		1.0	0.74
108-88-3	Toluene	27.6		1.0	0.51
1330-20-7	Xylenes, Total	55.0		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
1868-53-7	Dibromofluoromethane (Surr)	106		75-123
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C4307.D
Lims ID: 480-181441-G-8 MS
Client ID: MW-2S-022321
Sample Type: MS
Inject. Date: 27-Feb-2021 19:47:30 ALS Bottle#: 28 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-181441-g-8 ms
Misc. Info.: 480-0096878-027
Operator ID: OI Instrument ID: HP5973C

Method: \\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 28-Feb-2021 18:51:33 Calib Date: 22-Feb-2021 22:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4196.D

Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1624

First Level Reviewer: cwiklinc Date: 28-Feb-2021 19:25:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.811	4.811	0.000	99	164304	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.122	7.122	0.000	84	308256	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.987	8.987	0.000	94	343857	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.334	4.334	0.000	93	234017	25.0	26.5	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.593	4.593	0.000	95	135836	25.0	25.2	
$ 5 Toluene-d8 (Surr)	98	5.992	5.992	0.000	93	774342	25.0	25.6	
$ 6 4-Bromofluorobenzene (Surr)	174	8.055	8.054	0.001	95	252057	25.0	25.3	
57 Benzene	78	4.593	4.593	0.000	97	905489	25.0	27.1	
74 Toluene	92	6.044	6.044	0.000	98	528918	25.0	27.6	
88 Ethylbenzene	91	7.205	7.205	0.000	98	981613	25.0	27.3	
90 m-Xylene & p-Xylene	106	7.288	7.287	0.000	97	397102	25.0	27.4	
91 o-Xylene	106	7.609	7.609	0.000	97	409590	25.0	27.6	
S 124 Xylenes, Total	1				0			55.0	

QC Flag Legend
Processing Flags

Reagents:

8260 CORP mix_00204	Amount Added: 12.50	Units: uL	
GAS CORP mix_00443	Amount Added: 12.50	Units: uL	
C_8260_Surr_00169	Amount Added: 2.00	Units: uL	Run Reagent
C_8260_IS_00152	Amount Added: 2.00	Units: uL	Run Reagent

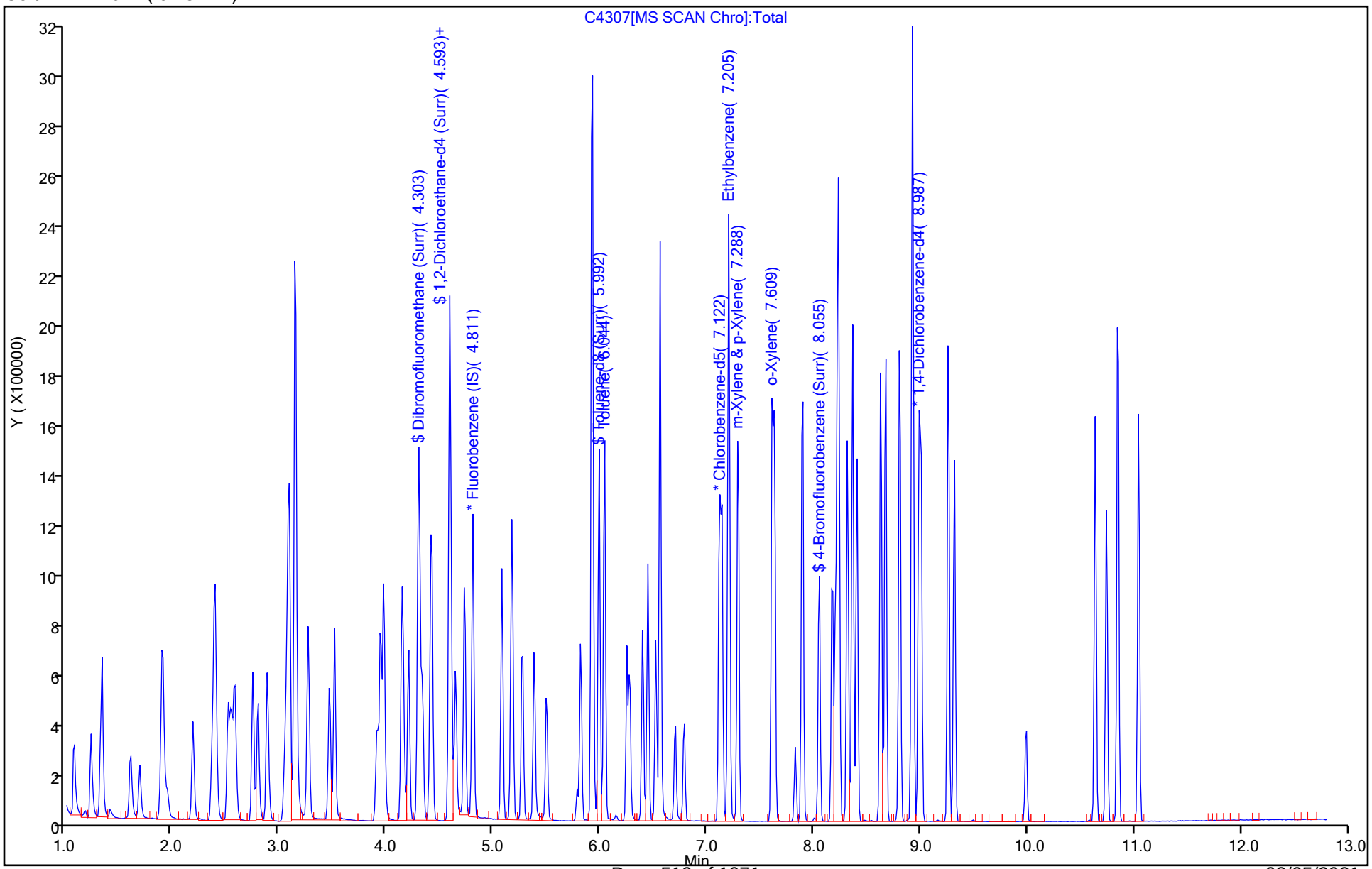
Report Date: 28-Feb-2021 19:25:26 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C4307.D

Injection Date:	27-Feb-2021 19:47:30	Instrument ID:	HP5973C	Operator ID:	OI
Lims ID:	480-181441-G-8 MS			Worklist Smp#:	27
Client ID:	MW-2S-022321				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	28
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Client Sample ID: MW-2S-022321 MSD Lab Sample ID: 480-181441-8 MSD

Matrix: Water Lab File ID: C4308.D

Analysis Method: 8260C Date Collected: 02/23/2021 15:20

Sample wt/vol: 5(mL) Date Analyzed: 02/27/2021 20:12

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 570785 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	23.1		1.0	0.41
100-41-4	Ethylbenzene	24.2		1.0	0.74
108-88-3	Toluene	23.9		1.0	0.51
1330-20-7	Xylenes, Total	48.3		2.0	0.66

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

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File:	\\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C4308.D				
Lims ID:	480-181441-G-8 MSD				
Client ID:	MW-2S-022321				
Sample Type:	MSD				
Inject. Date:	27-Feb-2021 20:12:30	ALS Bottle#:	29	Worklist Smp#:	28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	480-181441-g-8 msd				
Misc. Info.:	480-0096878-028				
Operator ID:	OI	Instrument ID:	HP5973C		
Method:	\\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	28-Feb-2021 18:51:33	Calib Date:	22-Feb-2021 22:20:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Buffalo\ChromData\HP5973C\20210222-96781.b\C4196.D				
Column 1 :	ZB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1624				
First Level Reviewer: cwiklinc		Date:	28-Feb-2021 19:25:44		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.811	4.811	0.000	99	169076	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.122	7.122	0.000	84	314334	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.987	8.987	0.000	93	362754	25.0	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.334	4.334	0.000	94	232789	25.0	25.7	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.593	4.593	0.000	59	138946	25.0	25.1	
$ 5 Toluene-d8 (Surr)	98	5.992	5.992	0.000	93	774639	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr)	174	8.054	8.054	0.000	94	254958	25.0	25.1	
57 Benzene	78	4.593	4.593	0.000	96	793029	25.0	23.1	
74 Toluene	92	6.044	6.044	0.000	98	467353	25.0	23.9	
88 Ethylbenzene	91	7.205	7.205	0.000	98	887537	25.0	24.2	
90 m-Xylene & p-Xylene	106	7.288	7.287	0.000	97	350203	25.0	23.7	
91 o-Xylene	106	7.609	7.609	0.000	97	372402	25.0	24.6	
S 124 Xylenes, Total	1				0			48.3	

QC Flag Legend

Processing Flags

Reagents:

8260 CORP mix_00204	Amount Added:	12.50	Units: uL	
GAS CORP mix_00443	Amount Added:	12.50	Units: uL	
C_8260_Surr_00169	Amount Added:	2.00	Units: uL	Run Reagent
C_8260_IS_00152	Amount Added:	2.00	Units: uL	Run Reagent

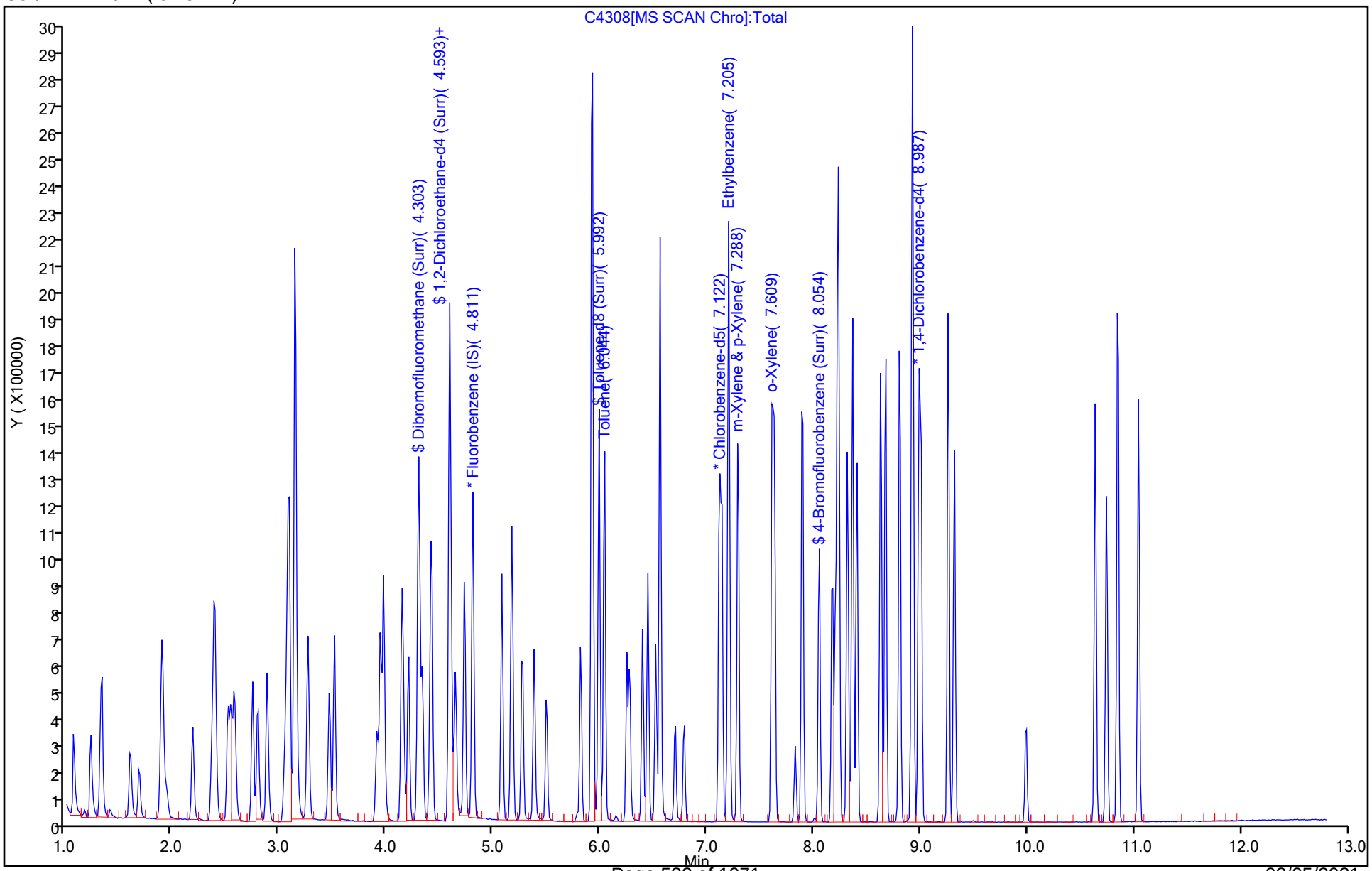
Report Date: 28-Feb-2021 19:25:44 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20210227-96878.b\C4308.D

Injection Date:	27-Feb-2021 20:12:30	Instrument ID:	HP5973C	Operator ID:	OI
Lims ID:	480-181441-G-8 MSD			Worklist Smp#:	28
Client ID:	MW-2S-022321				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	29
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.18 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Instrument ID: HP5973C Start Date: 02/22/2021 14:26

Analysis Batch Number: 570211 End Date: 02/22/2021 23:59

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-570211/4		02/22/2021 14:26	1	C4177.D	ZB-624 (20) 0.18(mm)
IC 480-570211/6		02/22/2021 14:50	1	C4178.D	ZB-624 (20) 0.18(mm)
IC 480-570211/7		02/22/2021 15:15	1	C4179.D	ZB-624 (20) 0.18(mm)
IC 480-570211/8		02/22/2021 15:40	1	C4180.D	ZB-624 (20) 0.18(mm)
IC 480-570211/9		02/22/2021 16:05	1	C4181.D	ZB-624 (20) 0.18(mm)
IC 480-570211/10		02/22/2021 16:31	1	C4182.D	ZB-624 (20) 0.18(mm)
ICIS 480-570211/11		02/22/2021 16:56	1	C4183.D	ZB-624 (20) 0.18(mm)
IC 480-570211/12		02/22/2021 17:22	1	C4184.D	ZB-624 (20) 0.18(mm)
IC 480-570211/13		02/22/2021 17:46	1	C4185.D	ZB-624 (20) 0.18(mm)
MDLV 480-570211/15		02/22/2021 18:36	1		ZB-624 (20) 0.18(mm)
IC 480-570211/18		02/22/2021 19:51	1		ZB-624 (20) 0.18(mm)
IC 480-570211/19		02/22/2021 20:16	1		ZB-624 (20) 0.18(mm)
IC 480-570211/20		02/22/2021 20:40	1		ZB-624 (20) 0.18(mm)
IC 480-570211/21		02/22/2021 21:05	1		ZB-624 (20) 0.18(mm)
IC 480-570211/22		02/22/2021 21:30	1		ZB-624 (20) 0.18(mm)
IC 480-570211/23		02/22/2021 21:54	1		ZB-624 (20) 0.18(mm)
IC 480-570211/24		02/22/2021 22:20	1		ZB-624 (20) 0.18(mm)
MDLV 480-570211/26		02/22/2021 23:09	1		ZB-624 (20) 0.18(mm)
ICV 480-570211/27		02/22/2021 23:34	1	C4199.D	ZB-624 (20) 0.18(mm)
ICV 480-570211/28		02/22/2021 23:59	1		ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Instrument ID: HP5973C Start Date: 02/27/2021 08:49

Analysis Batch Number: 570785 End Date: 02/27/2021 20:12

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-570785/2		02/27/2021 08:49	1	C4281.D	ZB-624 (20) 0.18(mm)
CCVIS 480-570785/3		02/27/2021 09:15	1	C4282.D	ZB-624 (20) 0.18(mm)
CCV 480-570785/4		02/27/2021 09:40	1		ZB-624 (20) 0.18(mm)
LCS 480-570785/5		02/27/2021 10:06	1	C4284.D	ZB-624 (20) 0.18(mm)
MB 480-570785/7		02/27/2021 10:55	1	C4286.D	ZB-624 (20) 0.18(mm)
ZZZZZ		02/27/2021 11:27	50		ZB-624 (20) 0.18(mm)
ZZZZZ		02/27/2021 11:52	1		ZB-624 (20) 0.18(mm)
ZZZZZ		02/27/2021 12:17	1		ZB-624 (20) 0.18(mm)
ZZZZZ		02/27/2021 12:42	20		ZB-624 (20) 0.18(mm)
480-181441-1	MW-6D-022221	02/27/2021 13:06	1	C4291.D	ZB-624 (20) 0.18(mm)
480-181441-2	MW5S-022221	02/27/2021 13:31	1	C4292.D	ZB-624 (20) 0.18(mm)
480-181441-3	MW-5D-022221	02/27/2021 13:56	1	C4293.D	ZB-624 (20) 0.18(mm)
480-181441-4	MW-3D-022321	02/27/2021 14:21	1	C4294.D	ZB-624 (20) 0.18(mm)
480-181441-5	MW-3S-022321	02/27/2021 14:46	1	C4295.D	ZB-624 (20) 0.18(mm)
480-181441-6	DUP-1-022321	02/27/2021 15:10	1	C4296.D	ZB-624 (20) 0.18(mm)
480-181441-7	MW-1S-022221	02/27/2021 15:35	1	C4297.D	ZB-624 (20) 0.18(mm)
480-181441-8	MW-2S-022321	02/27/2021 16:01	1	C4298.D	ZB-624 (20) 0.18(mm)
480-181441-9	MW-2D-022321	02/27/2021 16:26	1	C4299.D	ZB-624 (20) 0.18(mm)
480-181441-10	MW-4S-022221	02/27/2021 16:51	1	C4300.D	ZB-624 (20) 0.18(mm)
480-181441-11	MW-6S-022221	02/27/2021 17:16	1	C4301.D	ZB-624 (20) 0.18(mm)
480-181441-12	TMW-2D-022421	02/27/2021 17:41	1	C4302.D	ZB-624 (20) 0.18(mm)
ZZZZZ		02/27/2021 18:06	1		ZB-624 (20) 0.18(mm)
ZZZZZ		02/27/2021 18:32	1		ZB-624 (20) 0.18(mm)
ZZZZZ		02/27/2021 18:57	1		ZB-624 (20) 0.18(mm)
ZZZZZ		02/27/2021 19:22	200		ZB-624 (20) 0.18(mm)
480-181441-8 MS	MW-2S-022321 MS	02/27/2021 19:47	1	C4307.D	ZB-624 (20) 0.18(mm)
480-181441-8 MSD	MW-2S-022321 MSD	02/27/2021 20:12	1	C4308.D	ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Instrument ID: HP5973N Start Date: 02/09/2021 14:32

Analysis Batch Number: 568824 End Date: 02/09/2021 23:48

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-568824/3		02/09/2021 14:32	1	N8847.D	ZB-624 (20) 0.18(mm)
IC 480-568824/5		02/09/2021 15:22	1	N8849.D	ZB-624 (20) 0.18(mm)
IC 480-568824/6		02/09/2021 15:46	1	N8850.D	ZB-624 (20) 0.18(mm)
IC 480-568824/7		02/09/2021 16:10	1	N8851.D	ZB-624 (20) 0.18(mm)
IC 480-568824/8		02/09/2021 16:35	1	N8852.D	ZB-624 (20) 0.18(mm)
IC 480-568824/9		02/09/2021 16:59	1	N8853.D	ZB-624 (20) 0.18(mm)
ICIS 480-568824/10		02/09/2021 17:23	1	N8854.D	ZB-624 (20) 0.18(mm)
IC 480-568824/11		02/09/2021 17:47	1	N8855.D	ZB-624 (20) 0.18(mm)
IC 480-568824/12		02/09/2021 18:11	1	N8856.D	ZB-624 (20) 0.18(mm)
MDLV 480-568824/14		02/09/2021 18:59	1		ZB-624 (20) 0.18(mm)
ICV 480-568824/26		02/09/2021 23:48	1	N8870.D	ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Instrument ID: HP5973N Start Date: 03/01/2021 08:34

Analysis Batch Number: 570843 End Date: 03/01/2021 18:50

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-570843/3		03/01/2021 08:34	1	N9211.D	ZB-624 (20) 0.18(mm)
CCVIS 480-570843/4		03/01/2021 09:03	1	N9212.D	ZB-624 (20) 0.18(mm)
CCV 480-570843/5		03/01/2021 09:27	1		ZB-624 (20) 0.18(mm)
LCS 480-570843/6		03/01/2021 09:51	1	N9214.D	ZB-624 (20) 0.18(mm)
RL 480-570843/7		03/01/2021 10:15	1		ZB-624 (20) 0.18(mm)
MB 480-570843/8		03/01/2021 10:40	1	N9216.D	ZB-624 (20) 0.18(mm)
480-181441-14	TRIP BLANK	03/01/2021 12:23	1	N9220.D	ZB-624 (20) 0.18(mm)
ZZZZZ		03/01/2021 12:47	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/01/2021 13:12	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/01/2021 13:36	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/01/2021 14:00	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/01/2021 14:24	2		ZB-624 (20) 0.18(mm)
ZZZZZ		03/01/2021 14:48	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/01/2021 15:12	2		ZB-624 (20) 0.18(mm)
ZZZZZ		03/01/2021 15:37	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/01/2021 16:01	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/01/2021 16:25	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/01/2021 16:49	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/01/2021 17:13	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/01/2021 17:37	1		ZB-624 (20) 0.18(mm)
ZZZZZ		03/01/2021 18:02	5		ZB-624 (20) 0.18(mm)
ZZZZZ		03/01/2021 18:26	20		ZB-624 (20) 0.18(mm)
ZZZZZ		03/01/2021 18:50	20		ZB-624 (20) 0.18(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Batch Number: 568824 Batch Start Date: 02/09/21 14:32 Batch Analyst: Hill, Leah C

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	8260 CORP mix 00202	BFB_WRK 00117	GAS CORP mix 00441	N 8260 IS 00205
BFB 480-568824/3		8260C		1 uL	1 uL		1 uL		
IC 480-568824/5		8260C		5 mL	5 mL	0.5 uL		0.5 uL	1 uL
IC 480-568824/6		8260C		5 mL	5 mL	1 uL		1 uL	1 uL
IC 480-568824/7		8260C		5 mL	5 mL	2 uL		2 uL	1 uL
IC 480-568824/8		8260C		5 mL	5 mL	5 uL		5 uL	1 uL
IC 480-568824/9		8260C		5 mL	5 mL	5 uL		5 uL	1 uL
ICIS 480-568824/10		8260C		5 mL	5 mL	12.5 uL		12.5 uL	1 uL
IC 480-568824/11		8260C		5 mL	5 mL	25 uL		25 uL	1 uL
IC 480-568824/12		8260C		5 mL	5 mL	50 uL		50 uL	1 uL
ICV 480-568824/26		8260C		5 mL	5 mL				1 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	N_8260_Surr 00407	SS 8260 CORP 00090	SS GAS CORP 00390			
BFB 480-568824/3		8260C							
IC 480-568824/5		8260C		1 uL					
IC 480-568824/6		8260C		1 uL					
IC 480-568824/7		8260C		1 uL					
IC 480-568824/8		8260C		1 uL					
IC 480-568824/9		8260C		1 uL					
ICIS 480-568824/10		8260C		1 uL					
IC 480-568824/11		8260C		1 uL					
IC 480-568824/12		8260C		1 uL					
ICV 480-568824/26		8260C		1 uL	12.5 uL	12.5 uL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Batch Number: 568824 Batch Start Date: 02/09/21 14:32 Batch Analyst: Hill, Leah C

Batch Method: 8260C Batch End Date:

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Batch Number: 570211 Batch Start Date: 02/22/21 14:26 Batch Analyst: Farrell, Ryan J

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	8260 CORP mix 00204	BFB_WRK 00117	C_8260_IS 00152	C_8260_Surr 00169
BFB 480-570211/4		8260C		1 uL	1 uL		1 uL		
IC 480-570211/6		8260C		5 mL	5 mL	0.4 uL		2 uL	2 uL
IC 480-570211/7		8260C		5 mL	5 mL	1 uL		2 uL	2 uL
IC 480-570211/8		8260C		5 mL	5 mL	2 uL		2 uL	2 uL
IC 480-570211/9		8260C		5 mL	5 mL	5 uL		2 uL	2 uL
IC 480-570211/10		8260C		5 mL	5 mL	5 uL		2 uL	2 uL
ICIS 480-570211/11		8260C		5 mL	5 mL	12.5 uL		2 uL	2 uL
IC 480-570211/12		8260C		5 mL	5 mL	25 uL		2 uL	2 uL
IC 480-570211/13		8260C		5 mL	5 mL	50 uL		2 uL	2 uL
ICV 480-570211/27		8260C		5 mL	5 mL			2 uL	2 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	GAS CORP mix 00443	SS 8260 CORP 00090	SS GAS CORP 00392			
BFB 480-570211/4		8260C							
IC 480-570211/6		8260C		0.4 uL					
IC 480-570211/7		8260C		1 uL					
IC 480-570211/8		8260C		2 uL					
IC 480-570211/9		8260C		5 uL					
IC 480-570211/10		8260C		5 uL					
ICIS 480-570211/11		8260C		12.5 uL					
IC 480-570211/12		8260C		25 uL					
IC 480-570211/13		8260C		50 uL					
ICV 480-570211/27		8260C			12.5 uL	12.5 uL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Batch Number: 570211 Batch Start Date: 02/22/21 14:26 Batch Analyst: Farrell, Ryan J

Batch Method: 8260C Batch End Date:

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Batch Number: 570785 Batch Start Date: 02/27/21 08:49 Batch Analyst: Cwiklinski, Charles D

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00204	BFB_WRK 00117	C_8260_IS 00152
BFB 480-570785/2		8260C		1 uL	1 uL			1 uL	
CCVIS 480-570785/3		8260C		5 mL	5 mL		12.5 uL		2 uL
LCS 480-570785/5		8260C		5 mL	5 mL		12.5 uL		2 uL
MB 480-570785/7		8260C		5 mL	5 mL				2 uL
480-181441-G-1	MW-6D-022221	8260C	T	5 mL	5 mL	<2 SU			2 uL
480-181441-G-2	MW5S-022221	8260C	T	5 mL	5 mL	<2 SU			2 uL
480-181441-G-3	MW-5D-022221	8260C	T	5 mL	5 mL	<2 SU			2 uL
480-181441-G-4	MW-3D-022321	8260C	T	5 mL	5 mL	<2 SU			2 uL
480-181441-G-5	MW-3S-022321	8260C	T	5 mL	5 mL	<2 SU			2 uL
480-181441-G-6	DUP-1-022321	8260C	T	5 mL	5 mL	<2 SU			2 uL
480-181441-G-7	MW-1S-022221	8260C	T	5 mL	5 mL	<2 SU			2 uL
480-181441-G-8	MW-2S-022321	8260C	T	5 mL	5 mL	<2 SU			2 uL
480-181441-G-9	MW-2D-022321	8260C	T	5 mL	5 mL	<2 SU			2 uL
480-181441-G-10	MW-4S-022221	8260C	T	5 mL	5 mL	<2 SU			2 uL
480-181441-G-11	MW-6S-022221	8260C	T	5 mL	5 mL	<2 SU			2 uL
480-181441-G-12	TMW-2D-022421	8260C	T	5 mL	5 mL	<2 SU			2 uL
480-181441-G-8 MS	MW-2S-022321	8260C	T	5 mL	5 mL	<2 SU	12.5 uL		2 uL
480-181441-G-8 MSD	MW-2S-022321	8260C	T	5 mL	5 mL	<2 SU	12.5 uL		2 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	C_8260_Surr 00169	GAS CORP mix 00443	AnalysisComment			
BFB 480-570785/2		8260C							
CCVIS 480-570785/3		8260C		2 uL	12.5 uL				
LCS 480-570785/5		8260C		2 uL	12.5 uL				
MB 480-570785/7		8260C		2 uL					
480-181441-G-1	MW-6D-022221	8260C	T	2 uL					
480-181441-G-2	MW5S-022221	8260C	T	2 uL					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Batch Number: 570785 Batch Start Date: 02/27/21 08:49 Batch Analyst: Cwiklinski, Charles D

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	C_8260_Surr 00169	GAS CORP mix 00443	AnalysisComment			
480-181441-G-3	MW-5D-022221	8260C	T	2 uL					
480-181441-G-4	MW-3D-022321	8260C	T	2 uL					
480-181441-G-5	MW-3S-022321	8260C	T	2 uL					
480-181441-G-6	DUP-1-022321	8260C	T	2 uL					
480-181441-G-7	MW-1S-022221	8260C	T	2 uL					
480-181441-G-8	MW-2S-022321	8260C	T	2 uL					
480-181441-G-9	MW-2D-022321	8260C	T	2 uL					
480-181441-G-10	MW-4S-022221	8260C	T	2 uL					
480-181441-G-11	MW-6S-022221	8260C	T	2 uL					
480-181441-G-12	TMW-2D-022421	8260C	T	2 uL					
480-181441-G-8 MS	MW-2S-022321	8260C	T	2 uL	12.5 uL	client qc			
480-181441-G-8 MSD	MW-2S-022321	8260C	T	2 uL	12.5 uL	client qc			

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Batch Number: 570843 Batch Start Date: 03/01/21 08:34 Batch Analyst: Moffat, Alyssa M

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00202	BFB_WRK 00116	GAS CORP mix 00443
BFB 480-570843/3		8260C		1 uL	1 uL			1 uL	
CCVIS 480-570843/4		8260C		5 mL	5 mL		12.5 uL		12.5 uL
LCS 480-570843/6		8260C		5 mL	5 mL		12.5 uL		12.5 uL
MB 480-570843/8		8260C		5 mL	5 mL				
480-181441-A-14	TRIP BLANK	8260C	T	5 mL	5 mL	<2 SU			

Lab Sample ID	Client Sample ID	Method Chain	Basis	N 8260 IS 00205	N_8260_Surr 00408				
BFB 480-570843/3		8260C							
CCVIS 480-570843/4		8260C		1 uL	1 uL				
LCS 480-570843/6		8260C		1 uL	1 uL				
MB 480-570843/8		8260C		1 uL	1 uL				
480-181441-A-14	TRIP BLANK	8260C	T	1 uL	1 uL				

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8270D

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

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): RXI-5Sil MS ID: 0.25(mm)

Client Sample ID	Lab Sample ID	NBZ #	FBP #	TPHd14 #
MW-6D-022221	480-181441-1	100	102	103
MW5S-022221	480-181441-2	92	92	79
MW-5D-022221	480-181441-3	100	97	101
MW-3D-022321	480-181441-4	99	98	100
MW-3S-022321	480-181441-5	104	103	102
DUP-1-022321	480-181441-6	106	101	98
MW-1S-022221	480-181441-7	102	103	96
MW-2S-022321	480-181441-8	98	101	88
MW-2D-022321	480-181441-9	105	101	93
MW-4S-022221	480-181441-10	102	101	88
MW-6S-022221	480-181441-11	101	100	92
TMW-2D-022421	480-181441-12	104	103	93
	MB 480-570715/1-A	99	98	114
	LCS 480-570715/2-A	94	98	109
MW-2S-022321 MS	480-181441-8 MS	88	91	78
MW-2S-022321 MSD	480-181441-8 MSD	91	94	84

	QC LIMITS
NBZ = Nitrobenzene-d5 (Surr)	46-120
FBP = 2-Fluorobiphenyl	48-120
TPHd14 = p-Terphenyl-d14 (Surr)	60-148

Column to be used to flag recovery values

FORM II 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Matrix: Water Level: Low Lab File ID: Y02820356.D

Lab ID: LCS 480-570715/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acenaphthene	32.0	30.7	96	60-120	
Acenaphthylene	32.0	32.9	103	63-120	
Anthracene	32.0	32.8	103	67-120	
Benzo[a]anthracene	32.0	34.9	109	70-121	
Benzo[a]pyrene	32.0	34.1	107	60-123	
Benzo[b]fluoranthene	32.0	36.9	115	66-126	
Benzo[g,h,i]perylene	32.0	35.8	112	66-150	
Benzo[k]fluoranthene	32.0	38.2	119	65-124	
Chrysene	32.0	34.4	108	69-120	
Dibenz(a,h)anthracene	32.0	35.6	111	65-135	
Fluoranthene	32.0	35.1	110	69-126	
Fluorene	32.0	32.3	101	66-120	
Indeno[1,2,3-cd]pyrene	32.0	35.6	111	69-146	
Naphthalene	32.0	27.8	87	57-120	
Phenanthrene	32.0	32.9	103	68-120	
Pyrene	32.0	34.0	106	70-125	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Matrix: Water Level: Low Lab File ID: Y02820360.D

Lab ID: 480-181441-8 MS Client ID: MW-2S-022321 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Acenaphthene	34.8	ND	29.9	86	48-120	
Acenaphthylene	34.8	ND	31.9	92	63-120	
Anthracene	34.8	ND	32.6	94	65-122	
Benzo[a]anthracene	34.8	ND	31.8	91	43-124	
Benzo[a]pyrene	34.8	ND	30.1	86	23-125	
Benzo[b]fluoranthene	34.8	ND	33.1	95	27-127	
Benzo[g,h,i]perylene	34.8	ND	31.3	90	16-147	
Benzo[k]fluoranthene	34.8	ND	33.6	97	20-124	
Chrysene	34.8	ND	31.1	89	44-122	
Dibenz(a,h)anthracene	34.8	ND	30.8	89	16-139	
Fluoranthene	34.8	ND	33.8	97	63-129	
Fluorene	34.8	ND	31.8	91	62-120	
Indeno[1,2,3-cd]pyrene	34.8	ND	31.2	90	16-140	
Naphthalene	34.8	ND	27.8	80	45-120	
Phenanthrene	34.8	ND	32.8	94	65-122	
Pyrene	34.8	ND	32.9	95	58-128	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Matrix: Water Level: Low Lab File ID: Y02820361.D

Lab ID: 480-181441-8 MSD Client ID: MW-2S-022321 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acenaphthene	32.0	28.5	89	5	24	48-120	
Acenaphthylene	32.0	30.2	95	5	18	63-120	
Anthracene	32.0	29.6	92	10	15	65-122	
Benzo[a]anthracene	32.0	30.0	94	6	15	43-124	
Benzo[a]pyrene	32.0	27.9	87	7	15	23-125	
Benzo[b]fluoranthene	32.0	29.5	92	11	15	27-127	
Benzo[g,h,i]perylene	32.0	29.0	91	8	15	16-147	
Benzo[k]fluoranthene	32.0	28.9	90	15	22	20-124	
Chrysene	32.0	30.2	95	3	15	44-122	
Dibenz(a,h)anthracene	32.0	28.2	88	9	15	16-139	
Fluoranthene	32.0	31.6	99	7	15	63-129	
Fluorene	32.0	30.0	94	6	15	62-120	
Indeno[1,2,3-cd]pyrene	32.0	28.5	89	9	15	16-140	
Naphthalene	32.0	26.0	81	6	29	45-120	
Phenanthrene	32.0	30.7	96	6	15	65-122	
Pyrene	32.0	31.8	99	4	19	58-128	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Lab File ID: Y02820355.D Lab Sample ID: MB 480-570715/1-A

Matrix: Water Date Extracted: 02/26/2021 09:50

Instrument ID: HP5973Y Date Analyzed: 03/01/2021 12:52

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-570715/2-A	Y02820356.D	03/01/2021 13:21
MW-2S-022321 MS	480-181441-8 MS	Y02820360.D	03/01/2021 15:17
MW-2S-022321 MSD	480-181441-8 MSD	Y02820361.D	03/01/2021 15:47
MW-2S-022321	480-181441-8	Y02820362.D	03/01/2021 16:16
MW-6D-022221	480-181441-1	Y02820368.D	03/01/2021 19:14
MW5S-022221	480-181441-2	Y02820369.D	03/01/2021 19:44
MW-5D-022221	480-181441-3	Y02820415.D	03/03/2021 13:18
MW-3D-022321	480-181441-4	Y02820416.D	03/03/2021 13:48
MW-3S-022321	480-181441-5	Y02820417.D	03/03/2021 14:18
DUP-1-022321	480-181441-6	Y02820418.D	03/03/2021 14:47
MW-1S-022221	480-181441-7	Y02820419.D	03/03/2021 15:17
MW-2D-022321	480-181441-9	Y02820420.D	03/03/2021 15:47
MW-4S-022221	480-181441-10	Y02820421.D	03/03/2021 16:17
MW-6S-022221	480-181441-11	Y02820422.D	03/03/2021 16:46
TMW-2D-022421	480-181441-12	Y02820423.D	03/03/2021 17:16

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Lab File ID: Y02820280.D DFTPP Injection Date: 02/18/2021

Instrument ID: HP5973Y DFTPP Injection Time: 11:38

Analysis Batch No.: 569943

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	41.5	
68	Less than 2% of mass 69	0.0	(0.0) 1
69	Mass 69 Relative abundance	42.2	
70	Less than 2% of mass 69	0.2	(0.5) 1
127	10-80% of Base Peak	47.3	
197	Less than 2% of mass 198	0.0	
198	Base peak	100.0	
199	5-9% of mass 198	7.1	
275	10-60% of Base Peak	27.7	
365	Greater than 1% of mass 198	4.1	
441	present but less than 24% of mass 442	15.4	(16.0) 2
442	Greater than 50% of mass 198	96.3	
443	15-24% of mass 442	18.8	(19.5) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-569943/3	Y02820281.D	02/18/2021	12:07
	IC 480-569943/4	Y02820282.D	02/18/2021	12:36
	IC 480-569943/5	Y02820283.D	02/18/2021	13:05
	IC 480-569943/6	Y02820284.D	02/18/2021	13:35
	ICIS 480-569943/7	Y02820285.D	02/18/2021	14:03
	IC 480-569943/8	Y02820286.D	02/18/2021	14:32
	IC 480-569943/9	Y02820287.D	02/18/2021	15:01
	IC 480-569943/10	Y02820288.D	02/18/2021	15:30
	ICV 480-569943/11	Y02820289.D	02/18/2021	15:59

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Lab File ID: Y02820348.D DFTPP Injection Date: 03/01/2021

Instrument ID: HP5973Y DFTPP Injection Time: 09:27

Analysis Batch No.: 570863

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	40.0	
68	Less than 2% of mass 69	0.0	(0.0) 1
69	Mass 69 Relative abundance	41.3	
70	Less than 2% of mass 69	0.2	(0.5) 1
127	10-80% of Base Peak	45.1	
197	Less than 2% of mass 198	0.0	
198	Base peak	100.0	
199	5-9% of mass 198	7.1	
275	10-60% of Base Peak	28.8	
365	Greater than 1% of mass 198	4.4	
441	present but less than 24% of mass 442	16.4	(16.0) 2
442	Greater than 50% of mass 198	102.5	
443	15-24% of mass 442	19.0	(18.6) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-570863/3	Y02820349.D	03/01/2021	9:55
	MB 480-570715/1-A	Y02820355.D	03/01/2021	12:52
	LCS 480-570715/2-A	Y02820356.D	03/01/2021	13:21
MW-2S-022321 MS	480-181441-8 MS	Y02820360.D	03/01/2021	15:17
MW-2S-022321 MSD	480-181441-8 MSD	Y02820361.D	03/01/2021	15:47
MW-2S-022321	480-181441-8	Y02820362.D	03/01/2021	16:16
MW-6D-022221	480-181441-1	Y02820368.D	03/01/2021	19:14
MW5S-022221	480-181441-2	Y02820369.D	03/01/2021	19:44

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Lab File ID: Y02820412.D DFTPP Injection Date: 03/03/2021

Instrument ID: HP5973Y DFTPP Injection Time: 11:51

Analysis Batch No.: 571002

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	37.7	
68	Less than 2% of mass 69	0.0	(0.0) 1
69	Mass 69 Relative abundance	38.6	
70	Less than 2% of mass 69	0.2	(0.4) 1
127	10-80% of Base Peak	44.2	
197	Less than 2% of mass 198	0.0	
198	Base peak	100.0	
199	5-9% of mass 198	6.8	
275	10-60% of Base Peak	29.2	
365	Greater than 1% of mass 198	4.9	
441	present but less than 24% of mass 442	20.7	(16.4) 2
442	Greater than 50% of mass 198	126.5	
443	15-24% of mass 442	24.7	(19.5) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-571002/3	Y02820413.D	03/03/2021	12:20
MW-5D-022221	480-181441-3	Y02820415.D	03/03/2021	13:18
MW-3D-022321	480-181441-4	Y02820416.D	03/03/2021	13:48
MW-3S-022321	480-181441-5	Y02820417.D	03/03/2021	14:18
DUP-1-022321	480-181441-6	Y02820418.D	03/03/2021	14:47
MW-1S-022221	480-181441-7	Y02820419.D	03/03/2021	15:17
MW-2D-022321	480-181441-9	Y02820420.D	03/03/2021	15:47
MW-4S-022221	480-181441-10	Y02820421.D	03/03/2021	16:17
MW-6S-022221	480-181441-11	Y02820422.D	03/03/2021	16:46
TMW-2D-022421	480-181441-12	Y02820423.D	03/03/2021	17:16

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Sample No.: ICIS 480-569943/7 Date Analyzed: 02/18/2021 14:03

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): Y02820285.D Heated Purge: (Y/N) N

Calibration ID: 41110

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		306680	5.95	1088103	7.05	637244	8.52
UPPER LIMIT		613360	6.45	2176206	7.55	1274488	9.02
LOWER LIMIT		153340	5.45	544052	6.55	318622	8.02
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 480-569943/11		308042	5.95	1089625	7.04	647024	8.52
CCVIS 480-570863/3		290949	5.93	1025501	7.02	601967	8.49
CCVIS 480-571002/3		308620	5.90	1051945	6.99	625939	8.46

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Sample No.: ICIS 480-569943/7 Date Analyzed: 02/18/2021 14:03

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): Y02820285.D Heated Purge: (Y/N) N

Calibration ID: 41110

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1137350	9.76	1076303	12.20	1077476	14.16
UPPER LIMIT		2274700	10.26	2152606	12.70	2154952	14.66
LOWER LIMIT		568675	9.26	538152	11.70	538738	13.66
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 480-569943/11		1209250	9.76	1129909	12.20	1168155	14.16
CCVIS 480-570863/3		1139216	9.73	1116204	12.16	1144993	14.11
CCVIS 480-571002/3		1136945	9.71	1096504	12.12	1107025	14.05

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Sample No.: CCVIS 480-570863/3 Date Analyzed: 03/01/2021 09:55

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): Y02820349.D Heated Purge: (Y/N) N

Calibration ID: 41122

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		290949	5.93	1025501	7.02	601967	8.49
UPPER LIMIT		581898	6.43	2051002	7.52	1203934	8.99
LOWER LIMIT		145475	5.43	512751	6.52	300984	7.99
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 480-570715/1-A		276715	5.92	1002975	7.01	579746	8.49
LCS 480-570715/2-A		279051	5.93	981351	7.01	568909	8.49
480-181441-8 MS	MW-2S-022321 MS	281656	5.93	985633	7.01	572512	8.49
480-181441-8 MSD	MW-2S-022321 MSD	279516	5.93	989694	7.01	574007	8.49
480-181441-8	MW-2S-022321	286222	5.92	1001152	7.01	569380	8.49
480-181441-1	MW-6D-022221	283164	5.93	995877	7.01	555294	8.49
480-181441-2	MW5S-022221	279984	5.92	981427	7.01	565358	8.49

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Sample No.: CCVIS 480-570863/3 Date Analyzed: 03/01/2021 09:55

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): Y02820349.D Heated Purge: (Y/N) N

Calibration ID: 41122

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1139216	9.73	1116204	12.16	1144993	14.11
UPPER LIMIT		2278432	10.23	2232408	12.66	2289986	14.61
LOWER LIMIT		569608	9.23	558102	11.66	572497	13.61
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 480-570715/1-A		1033168	9.73	951897	12.15	932998	14.11
LCS 480-570715/2-A		1065085	9.74	1030537	12.16	1059675	14.11
480-181441-8 MS	MW-2S-022321 MS	1058811	9.73	1021674	12.16	1056501	14.11
480-181441-8 MSD	MW-2S-022321 MSD	1057987	9.74	1004854	12.16	1064185	14.11
480-181441-8	MW-2S-022321	1061610	9.73	987876	12.15	1023761	14.10
480-181441-1	MW-6D-022221	1037807	9.73	962535	12.15	992645	14.11
480-181441-2	MW5S-022221	1030605	9.73	988724	12.15	1022407	14.11

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Sample No.: CCVIS 480-571002/3 Date Analyzed: 03/03/2021 12:20

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): Y02820413.D Heated Purge: (Y/N) N

Calibration ID: 41208

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		308620	5.90	1051945	6.99	625939	8.46
UPPER LIMIT		617240	6.40	2103890	7.49	1251878	8.96
LOWER LIMIT		154310	5.40	525973	6.49	312970	7.96
LAB SAMPLE ID	CLIENT SAMPLE ID						
480-181441-3	MW-5D-022221	291482	5.90	1008748	6.99	598892	8.46
480-181441-4	MW-3D-022321	294246	5.90	1039308	6.99	603436	8.46
480-181441-5	MW-3S-022321	283784	5.90	1007263	6.99	577330	8.46
480-181441-6	DUP-1-022321	290553	5.90	1018686	6.99	593659	8.46
480-181441-7	MW-1S-022221	291222	5.89	1004947	6.98	591926	8.46
480-181441-9	MW-2D-022321	290538	5.90	1017923	6.98	596386	8.46
480-181441-10	MW-4S-022221	299806	5.89	1030897	6.98	603526	8.46
480-181441-11	MW-6S-022221	289704	5.89	1040166	6.98	593423	8.46
480-181441-12	TMW-2D-022421	289088	5.90	1050945	6.98	600472	8.46

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Sample No.: CCVIS 480-571002/3 Date Analyzed: 03/03/2021 12:20

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): Y02820413.D Heated Purge: (Y/N) N

Calibration ID: 41208

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1136945	9.71	1096504	12.12	1107025	14.05
UPPER LIMIT		2273890	10.21	2193008	12.62	2214050	14.55
LOWER LIMIT		568473	9.21	548252	11.62	553513	13.55
LAB SAMPLE ID	CLIENT SAMPLE ID						
480-181441-3	MW-5D-022221	1092507	9.71	998389	12.11	1000246	14.05
480-181441-4	MW-3D-022321	1079516	9.70	996975	12.11	999172	14.05
480-181441-5	MW-3S-022321	1070020	9.70	975979	12.11	971342	14.05
480-181441-6	DUP-1-022321	1092155	9.70	1028360	12.11	1000622	14.05
480-181441-7	MW-1S-022221	1078735	9.70	991008	12.11	989248	14.05
480-181441-9	MW-2D-022321	1095061	9.70	1002018	12.11	997947	14.05
480-181441-10	MW-4S-022221	1103718	9.70	999639	12.11	999837	14.05
480-181441-11	MW-6S-022221	1122546	9.70	1027807	12.11	1008923	14.05
480-181441-12	TMW-2D-022421	1121678	9.70	1001634	12.11	992789	14.05

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Client Sample ID: MW-6D-022221 Lab Sample ID: 480-181441-1

Matrix: Water Lab File ID: Y02820368.D

Analysis Method: 8270D Date Collected: 02/22/2021 11:20

Extract. Method: 3510C Date Extracted: 02/26/2021 09:50

Sample wt/vol: 230(mL) Date Analyzed: 03/01/2021 19:14

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

Injection Volume: 2(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 570863 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		5.4	0.45
208-96-8	Acenaphthylene	ND		5.4	0.41
120-12-7	Anthracene	ND		5.4	0.30
56-55-3	Benzo[a]anthracene	ND		5.4	0.39
50-32-8	Benzo[a]pyrene	ND		5.4	0.51
205-99-2	Benzo[b]fluoranthene	ND		5.4	0.37
191-24-2	Benzo[g,h,i]perylene	ND		5.4	0.38
207-08-9	Benzo[k]fluoranthene	ND		5.4	0.79
218-01-9	Chrysene	ND		5.4	0.36
53-70-3	Dibenz(a,h)anthracene	ND		5.4	0.46
206-44-0	Fluoranthene	ND		5.4	0.43
86-73-7	Fluorene	ND		5.4	0.39
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.4	0.51
91-20-3	Naphthalene	ND		5.4	0.83
85-01-8	Phenanthrene	ND		5.4	0.48
129-00-0	Pyrene	ND		5.4	0.37

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	102		48-120
4165-60-0	Nitrobenzene-d5 (Surr)	100		46-120
1718-51-0	p-Terphenyl-d14 (Surr)	103		60-148

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96898.b\Y02820368.D
Lims ID: 480-181441-C-1-A
Client ID: MW-6D-022221
Sample Type: Client
Inject. Date: 01-Mar-2021 19:14:30 ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 480-0096898-022
Operator ID: JM Instrument ID: HP5973Y

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96898.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 02-Mar-2021 16:02:00 Calib Date: 18-Feb-2021 23:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y02820304.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1657

First Level Reviewer: marshallj Date: 02-Mar-2021 16:01:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.926	5.922	0.004	94	283164	4.00	
* 2 Naphthalene-d8	136	7.010	7.012	-0.002	99	995877	4.00	
* 3 Acenaphthene-d10	164	8.490	8.486	0.004	95	555294	4.00	
* 4 Phenanthrene-d10	188	9.729	9.731	-0.002	96	1037807	4.00	
* 5 Chrysene-d12	240	12.149	12.151	-0.002	99	962535	4.00	
* 6 Perylene-d12	264	14.105	14.106	-0.001	98	992645	4.00	
$ 9 Nitrobenzene-d5	82	6.401	6.466	-0.001	90	666650	7.99	
$ 10 2-Fluorobiphenyl	172	7.908	7.910	0.000	99	1532076	8.15	
$ 12 p-Terphenyl-d14	244	11.049	11.045	0.005	98	1928835	8.22	
74 Naphthalene	128	7.032	7.034	0.000	89	1582	0.006397	
108 Acenaphthylene	152		8.373				ND	
110 Acenaphthene	153		8.517				ND	
124 Fluorene	166	8.949	8.945	0.004	90	906	0.004974	
151 Phenanthrene	178	9.751	9.753	0.000	93	3315	0.0120	
152 Anthracene	178		9.794				ND	
164 Fluoranthene	202	10.755	10.753	0.005	90	1143	0.0226	
167 Pyrene	202	10.953	10.953	0.010	93	819	0.002753	a
180 Benzo[a]anthracene	228		12.139				ND	
182 Chrysene	228		12.182				ND	
186 Benzo[b]fluoranthene	252		13.555				ND	
187 Benzo[k]fluoranthene	252		13.587				ND	
189 Benzo[a]pyrene	252		14.030				ND	
193 Indeno[1,2,3-cd]pyrene	276		15.703				ND	
194 Dibenz(a,h)anthracene	278		15.708				ND	
195 Benzo[g,h,i]perylene	276		16.103				ND	

QC Flag Legend

Processing Flags

Review Flags
a - User Assigned ID

Reagents:

MB_LLIS_WRK_00208 Amount Added: 20.00 Units: uL Run Reagent

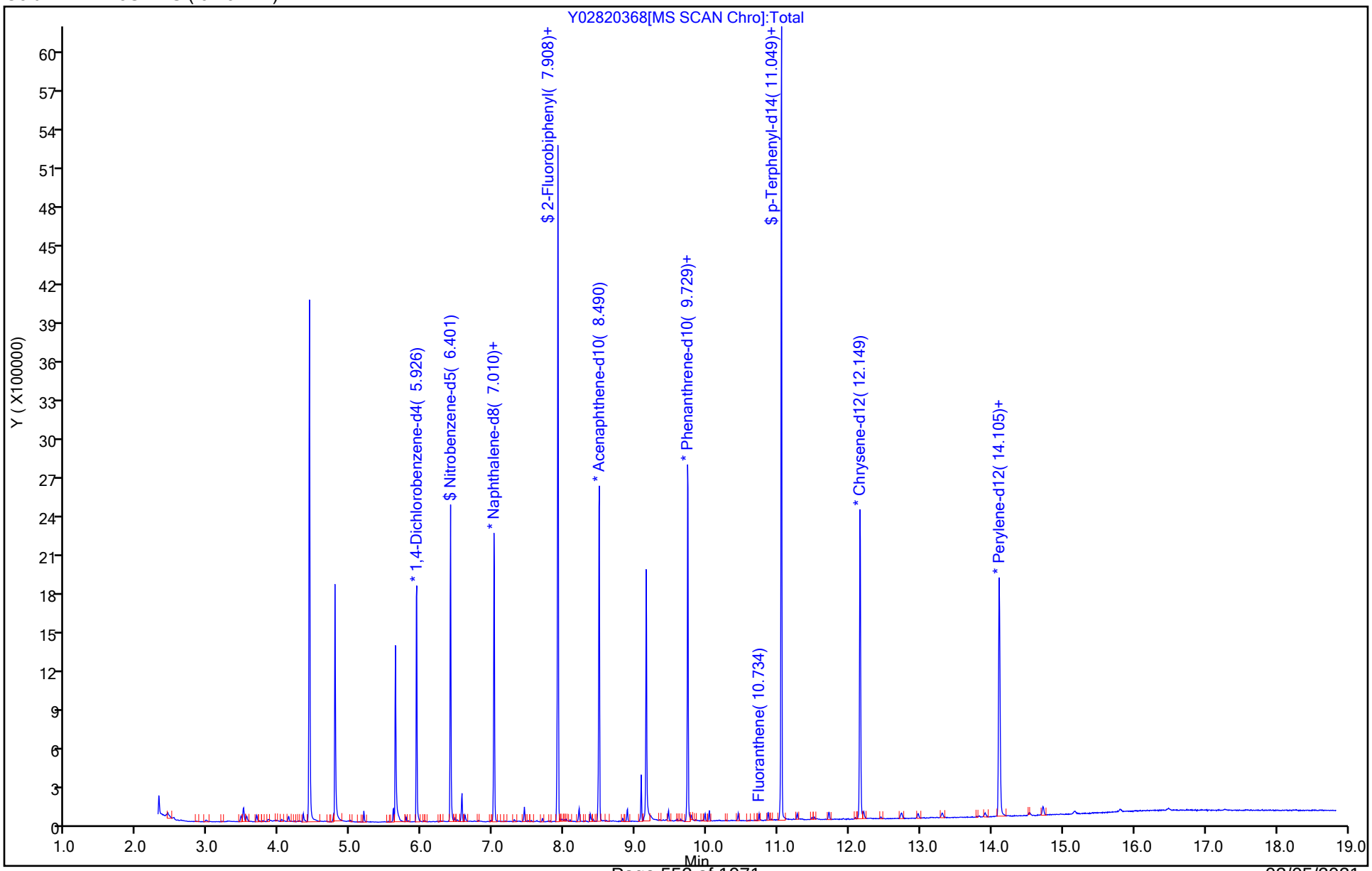
Report Date: 02-Mar-2021 16:02:35 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96898.b\Y02820368.D

Injection Date:	01-Mar-2021 19:14:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	480-181441-C-1-A	Lab Sample ID:	480-181441-1	Worklist Smp#:	22
Client ID:	MW-6D-022221				
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

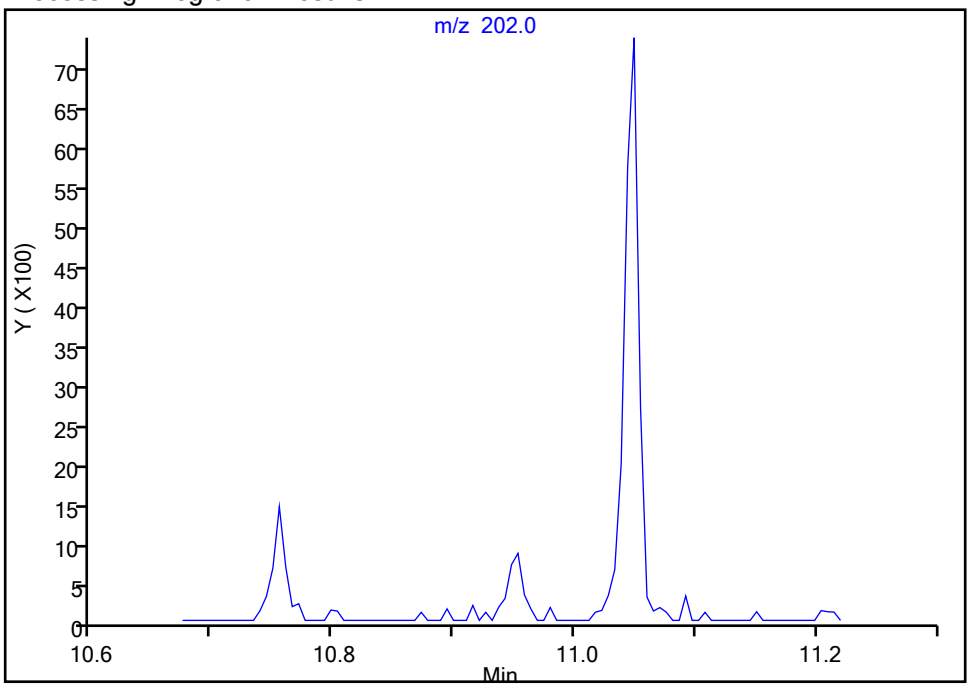
Data File:	\\chromfs\Buffalo\ChromData\HP5973Y\20210301-96898.b\Y02820368.D				
Injection Date:	01-Mar-2021 19:14:30	Instrument ID:	HP5973Y		
Lims ID:	480-181441-C-1-A	Lab Sample ID:	480-181441-1		
Client ID:	MW-6D-022221				
Operator ID:	JM	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

167 Pyrene, CAS: 129-00-0

Signal: 1

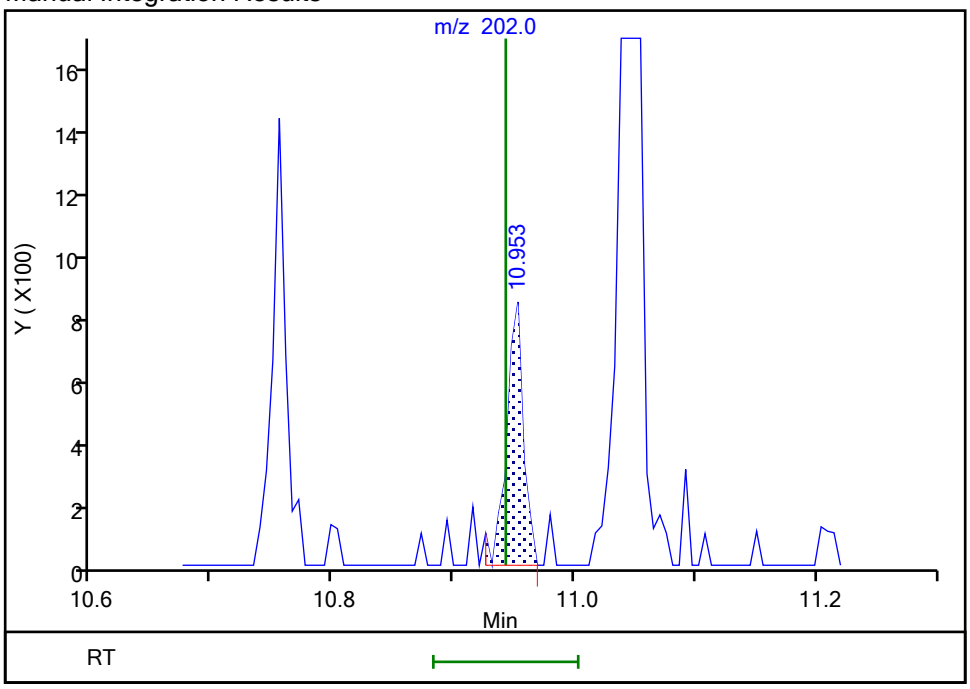
Not Detected
Expected RT: 10.94

Processing Integration Results



Manual Integration Results

RT: 10.95
Area: 819
Amount: 0.002753
Amount Units: ng/uL



Reviewer: marshallj, 02-Mar-2021 16:00:45
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Client Sample ID: MW5S-022221 Lab Sample ID: 480-181441-2

Matrix: Water Lab File ID: Y02820369.D

Analysis Method: 8270D Date Collected: 02/22/2021 11:50

Extract. Method: 3510C Date Extracted: 02/26/2021 09:50

Sample wt/vol: 230(mL) Date Analyzed: 03/01/2021 19:44

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

Injection Volume: 2(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 570863 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	31		5.4	0.45
208-96-8	Acenaphthylene	5.6		5.4	0.41
120-12-7	Anthracene	4.7	J	5.4	0.30
56-55-3	Benzo[a]anthracene	ND		5.4	0.39
50-32-8	Benzo[a]pyrene	ND		5.4	0.51
205-99-2	Benzo[b]fluoranthene	ND		5.4	0.37
191-24-2	Benzo[g,h,i]perylene	ND		5.4	0.38
207-08-9	Benzo[k]fluoranthene	ND		5.4	0.79
218-01-9	Chrysene	ND		5.4	0.36
53-70-3	Dibenz(a,h)anthracene	ND		5.4	0.46
206-44-0	Fluoranthene	6.0		5.4	0.43
86-73-7	Fluorene	11		5.4	0.39
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.4	0.51
91-20-3	Naphthalene	34		5.4	0.83
85-01-8	Phenanthrene	6.0		5.4	0.48
129-00-0	Pyrene	3.8	J	5.4	0.37

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	92		48-120
4165-60-0	Nitrobenzene-d5 (Surr)	92		46-120
1718-51-0	p-Terphenyl-d14 (Surr)	79		60-148

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96898.b\Y02820369.D
Lims ID: 480-181441-C-2-A
Client ID: MW5S-022221
Sample Type: Client
Inject. Date: 01-Mar-2021 19:44:30 ALS Bottle#: 23 Worklist Smp#: 23
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 480-0096898-023
Operator ID: JM Instrument ID: HP5973Y

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96898.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 02-Mar-2021 16:02:00 Calib Date: 18-Feb-2021 23:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y02820304.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1657

First Level Reviewer: marshallj Date: 02-Mar-2021 16:02:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.924	5.922	0.002	95	279984	4.00	
* 2 Naphthalene-d8	136	7.014	7.012	0.002	99	981427	4.00	
* 3 Acenaphthene-d10	164	8.488	8.486	0.002	94	565358	4.00	
* 4 Phenanthrene-d10	188	9.733	9.731	0.002	96	1030605	4.00	
* 5 Chrysene-d12	240	12.153	12.151	0.002	99	988724	4.00	
* 6 Perylene-d12	264	14.108	14.106	0.002	98	1022407	4.00	
$ 9 Nitrobenzene-d5	82	6.399	6.466	-0.003	90	604551	7.35	
$ 10 2-Fluorobiphenyl	172	7.911	7.910	0.003	99	1407173	7.36	
$ 12 p-Terphenyl-d14	244	11.047	11.045	0.003	98	1513062	6.28	
74 Naphthalene	128	7.030	7.034	-0.002	98	1886245	7.74	
108 Acenaphthylene	152	8.371	8.375	-0.002	98	300354	1.29	
110 Acenaphthene	153	8.515	8.519	-0.002	95	1166668	7.12	
124 Fluorene	166	8.948	8.945	0.003	97	466711	2.52	
151 Phenanthrene	178	9.754	9.753	0.003	98	380703	1.39	
152 Anthracene	178	9.797	9.796	0.003	97	290391	1.08	
164 Fluoranthene	202	10.753	10.753	0.003	98	397768	1.37	
167 Pyrene	202	10.946	10.953	0.003	97	263755	0.8630	
180 Benzo[a]anthracene	228	12.142	12.141	0.003	95	25782	0.0874	
182 Chrysene	228	12.185	12.184	0.003	94	16259	0.0393	
186 Benzo[b]fluoranthene	252	13.563	13.557	0.008	80	8076	0.0581	
187 Benzo[k]fluoranthene	252	13.595	13.595	0.008	44	3464	0.0237	Ma
189 Benzo[a]pyrene	252	14.039	14.032	0.009	60	6158	0.0673	
193 Indeno[1,2,3-cd]pyrene	276		15.703				ND	
194 Dibenz(a,h)anthracene	278		15.708				ND	
195 Benzo[g,h,i]perylene	276	16.133	16.133	0.030	74	3718	0.0405	M

QC Flag Legend
Processing Flags

Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

MB_LLIS_WRK_00208 Amount Added: 20.00 Units: uL Run Reagent

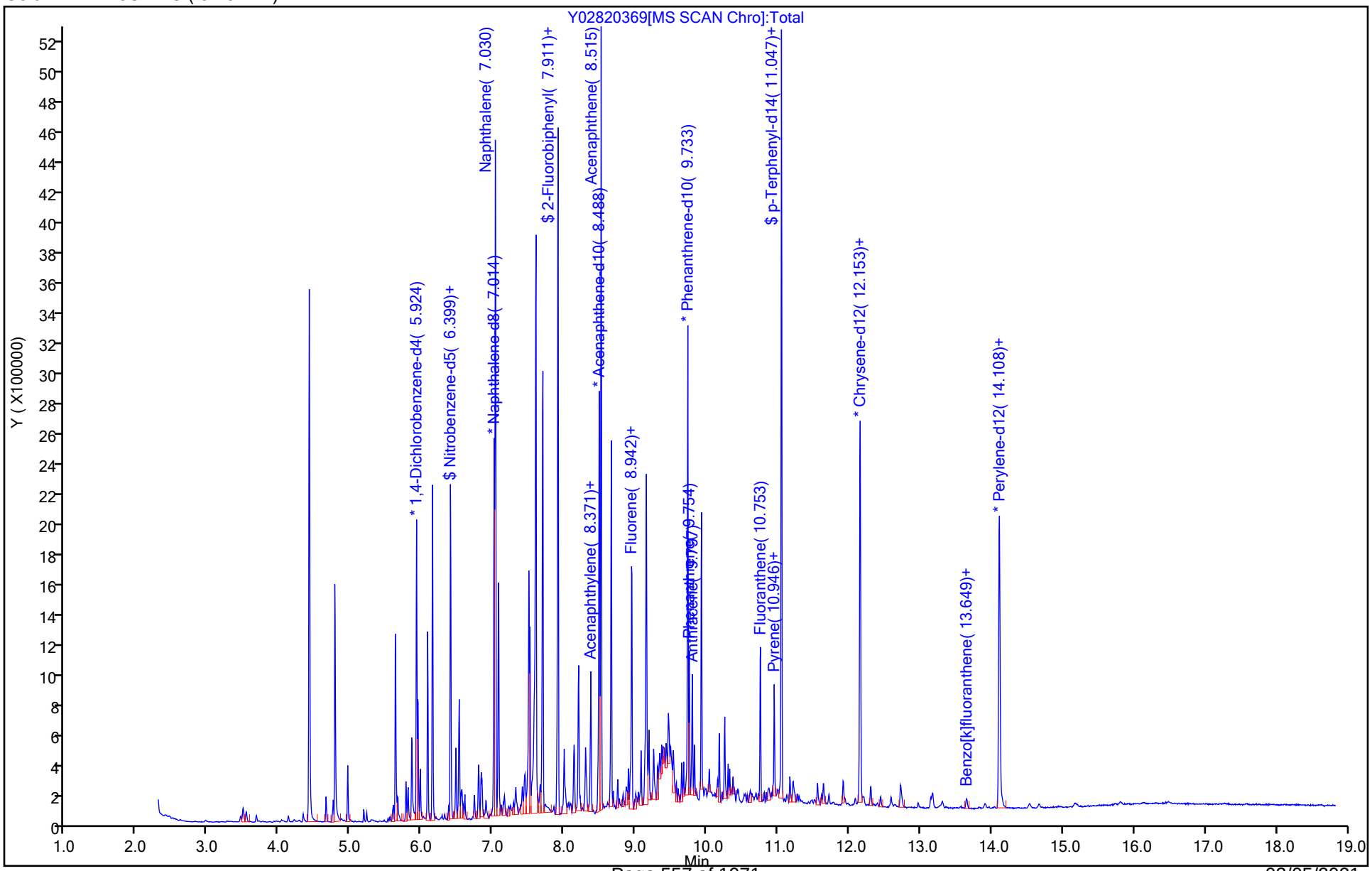
Report Date: 02-Mar-2021 16:02:38 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96898.b\Y02820369.D

Injection Date:	01-Mar-2021 19:44:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	480-181441-C-2-A	Lab Sample ID:	480-181441-2	Worklist Smp#:	23
Client ID:	MW5S-022221				
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)

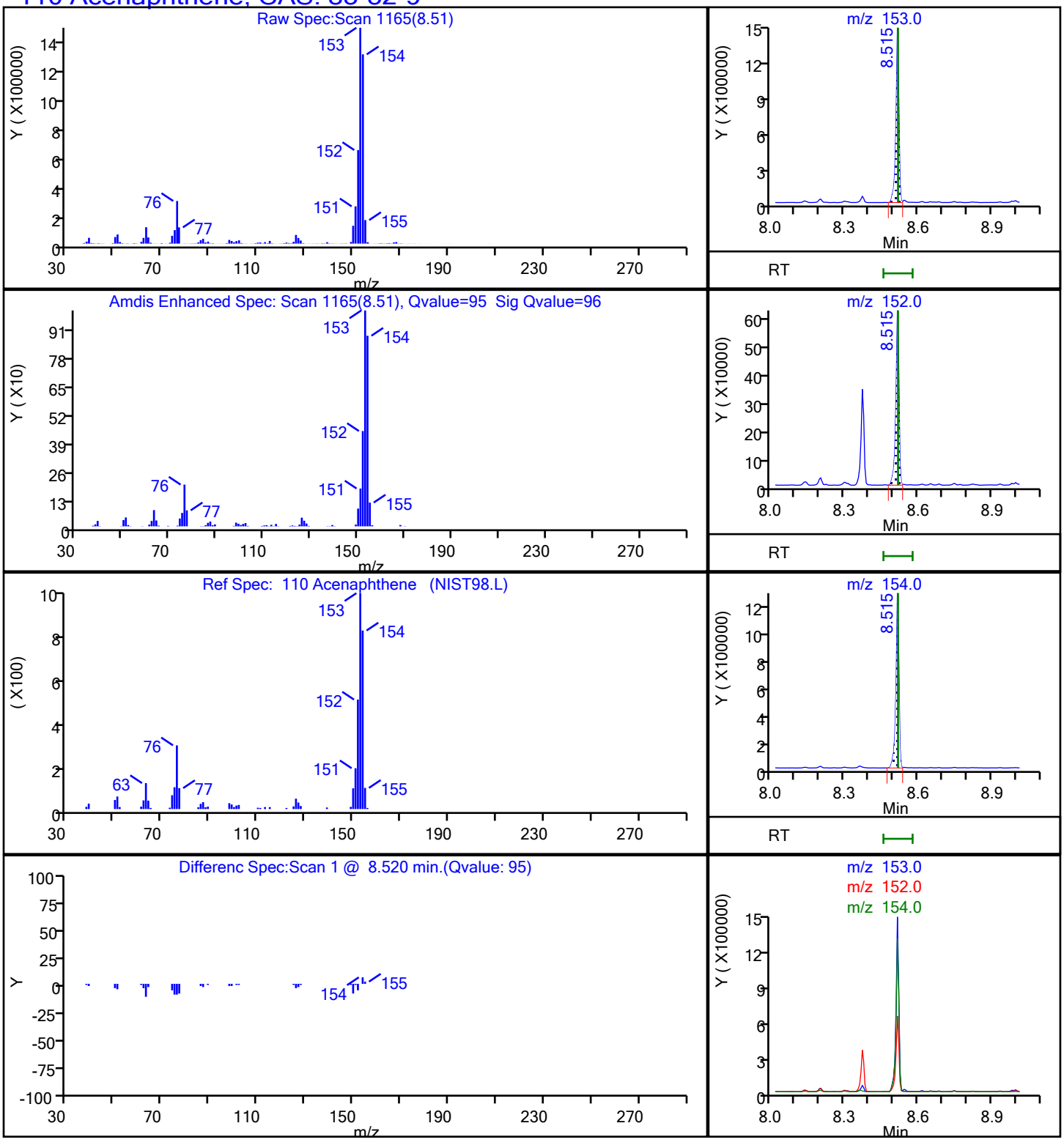


Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96898.b\Y02820369.D

Injection Date:	01-Mar-2021 19:44:30	Instrument ID:	HP5973Y		
Lims ID:	480-181441-C-2-A	Lab Sample ID:	480-181441-2		
Client ID:	MW5S-022221				
Operator ID:	JM	ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

110 Acenaphthene, CAS: 83-32-9

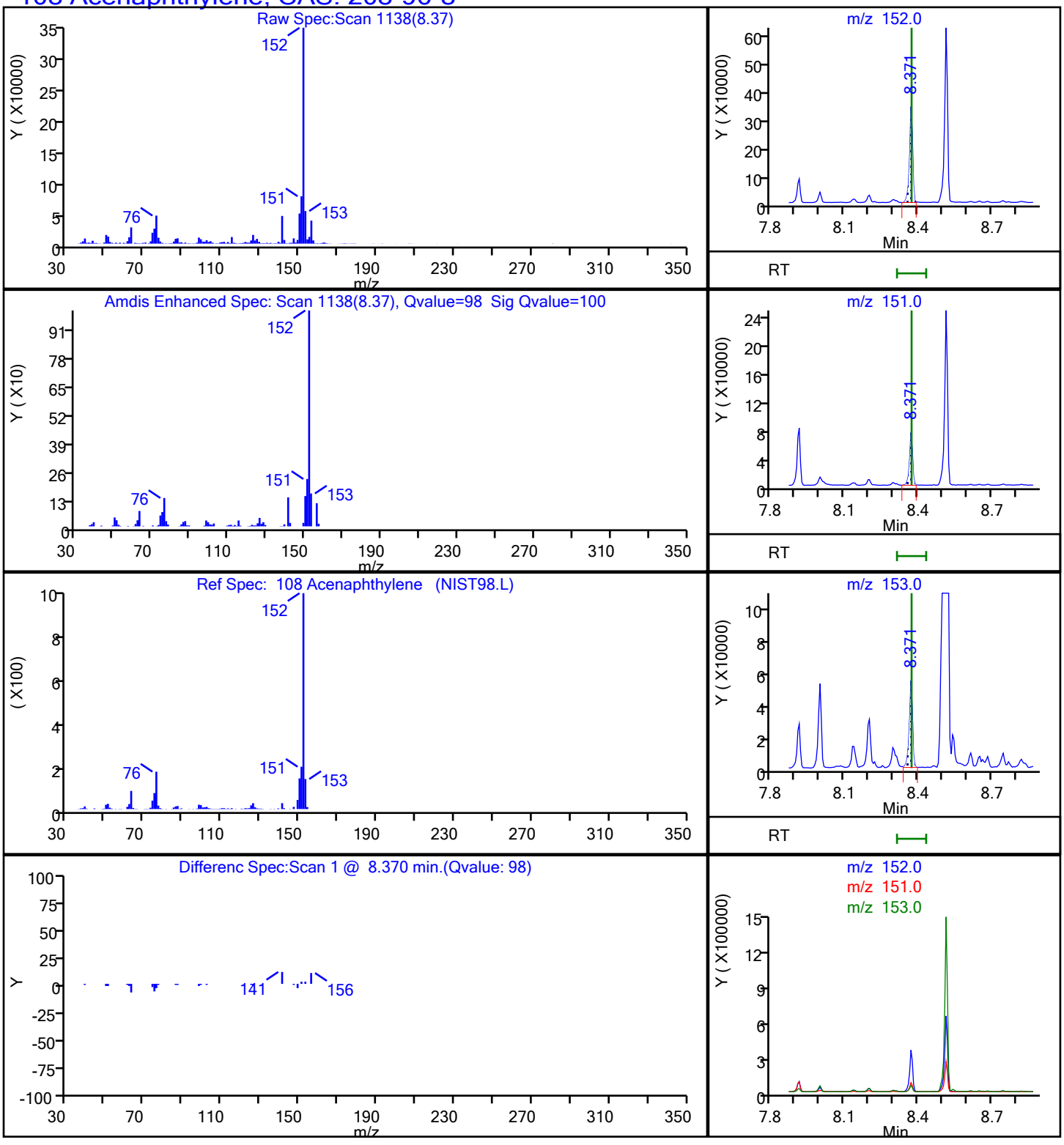


Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96898.b\Y02820369.D

Injection Date:	01-Mar-2021 19:44:30	Instrument ID:	HP5973Y
Lims ID:	480-181441-C-2-A	Lab Sample ID:	480-181441-2
Client ID:	MW5S-022221		
Operator ID:	JM	ALS Bottle#:	23 Worklist Smp#: 23
Injection Vol:	2.0 ul	Dil. Factor:	1.0000
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN

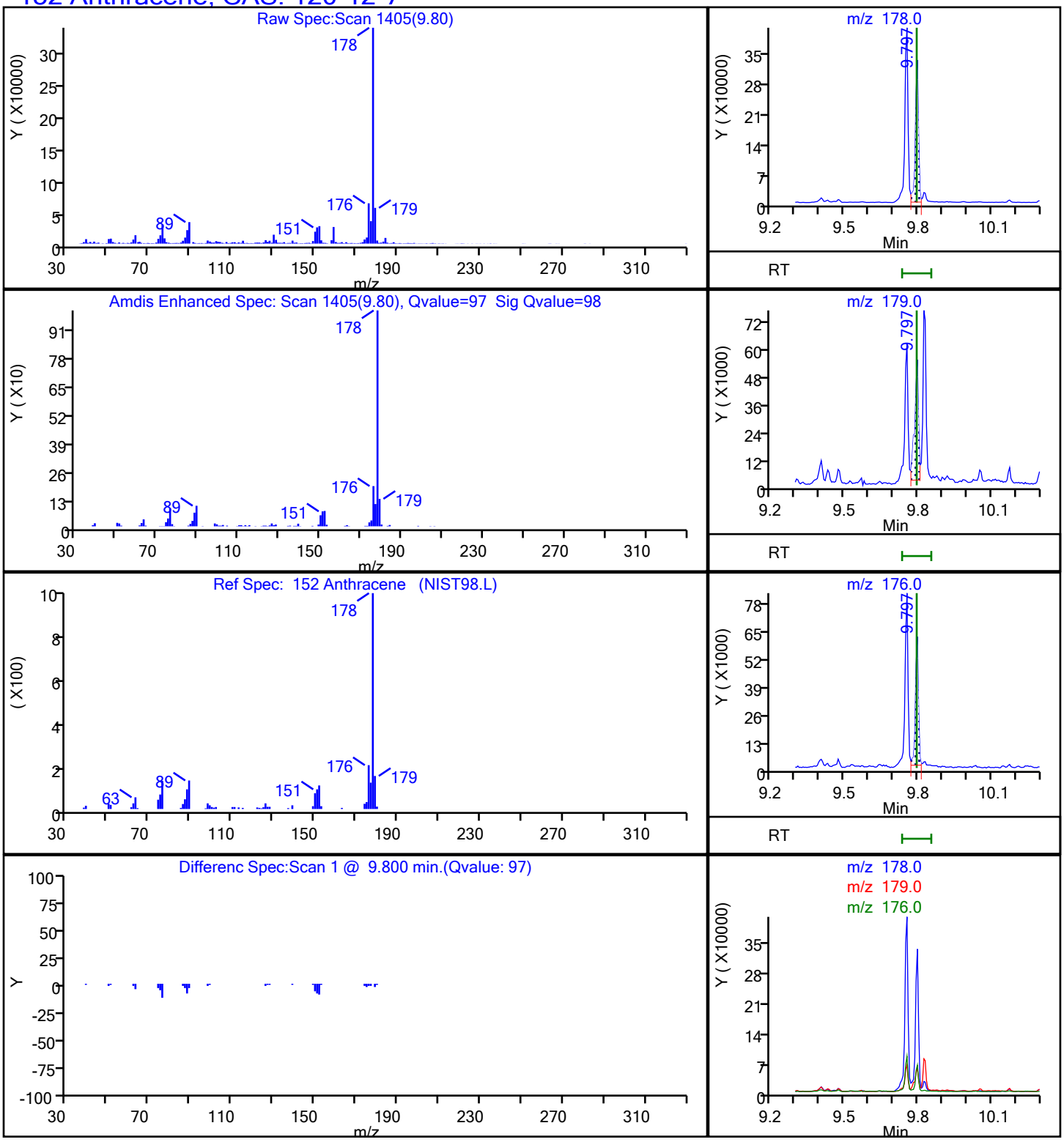
108 Acenaphthylene, CAS: 208-96-8



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973Y\20210301-96898.b\Y02820369.D				
Injection Date:	01-Mar-2021 19:44:30	Instrument ID:	HP5973Y		
Lims ID:	480-181441-C-2-A	Lab Sample ID:	480-181441-2		
Client ID:	MW5S-022221				
Operator ID:	JM	ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

152 Anthracene, CAS: 120-12-7



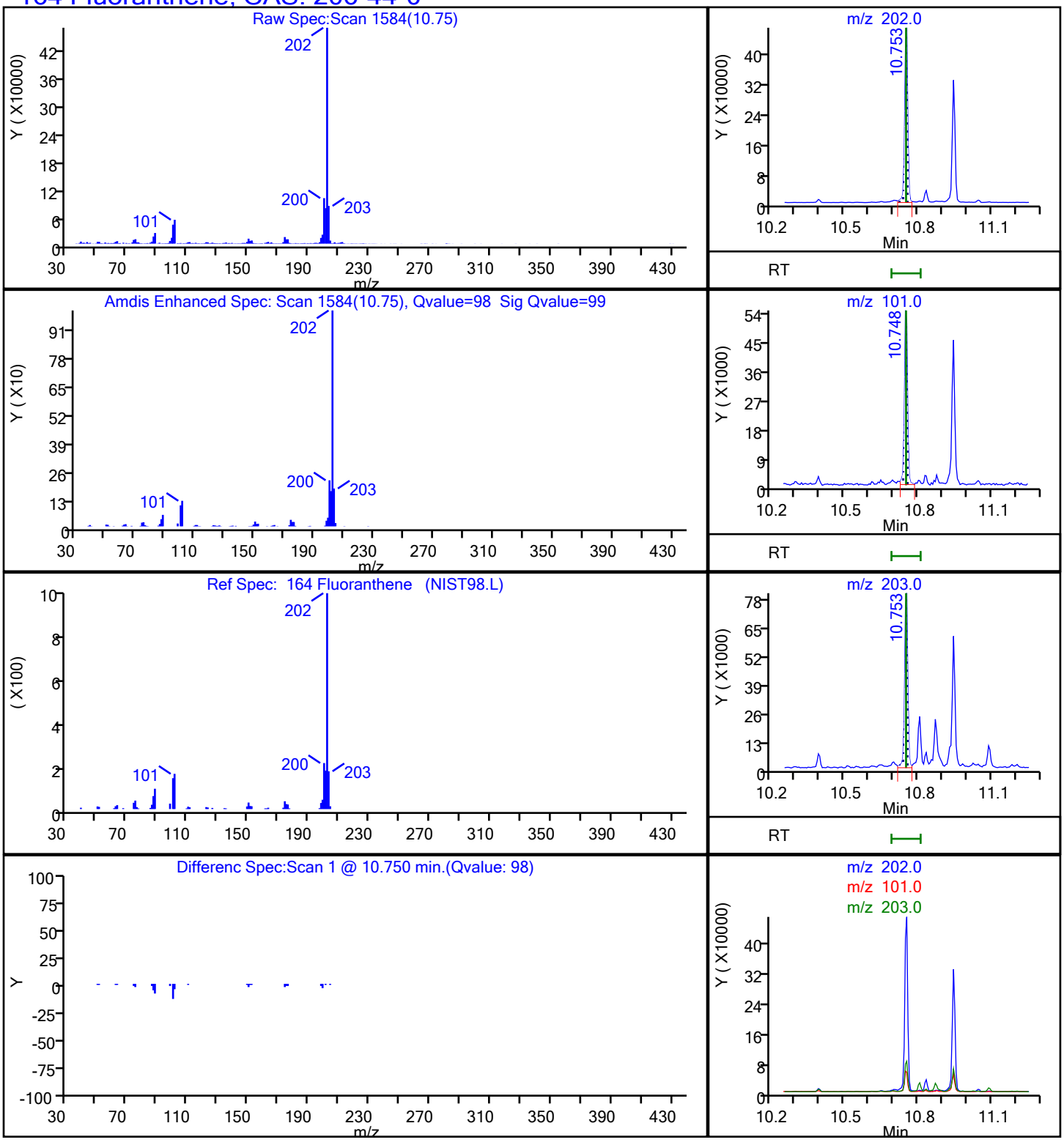
Report Date: 02-Mar-2021 16:02:38 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96898.b\Y02820369.D

Injection Date:	01-Mar-2021 19:44:30	Instrument ID:	HP5973Y		
Lims ID:	480-181441-C-2-A	Lab Sample ID:	480-181441-2		
Client ID:	MW5S-022221				
Operator ID:	JM	ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

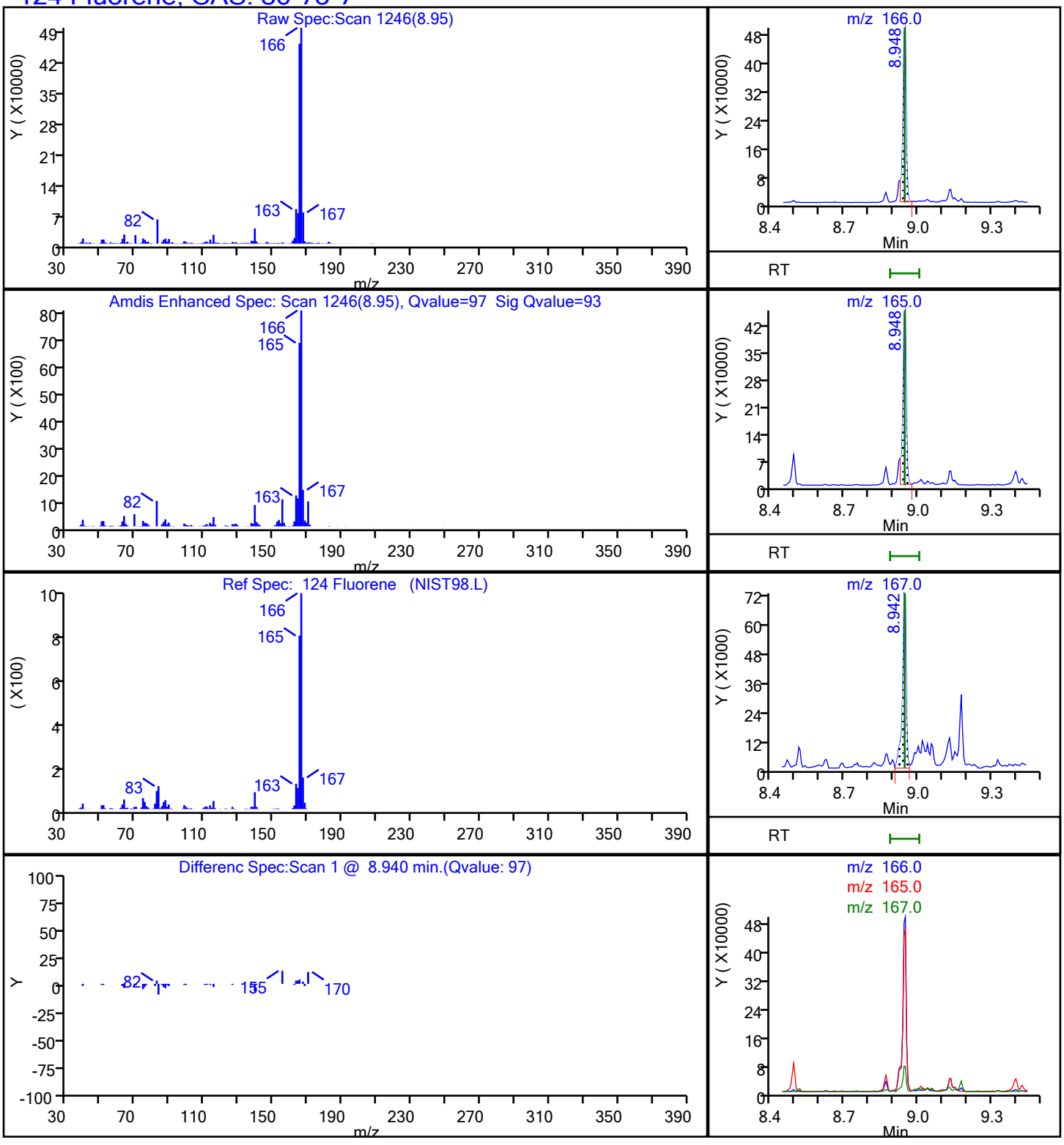
164 Fluoranthene, CAS: 206-44-0



Eurofins TestAmerica, Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973Y\20210301-96898.b\Y02820369.D				
Injection Date:	01-Mar-2021 19:44:30	Instrument ID:	HP5973Y		
Lims ID:	480-181441-C-2-A	Lab Sample ID:	480-181441-2		
Client ID:	MW5S-022221				
Operator ID:	JM	ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

124 Fluorene, CAS: 86-73-7

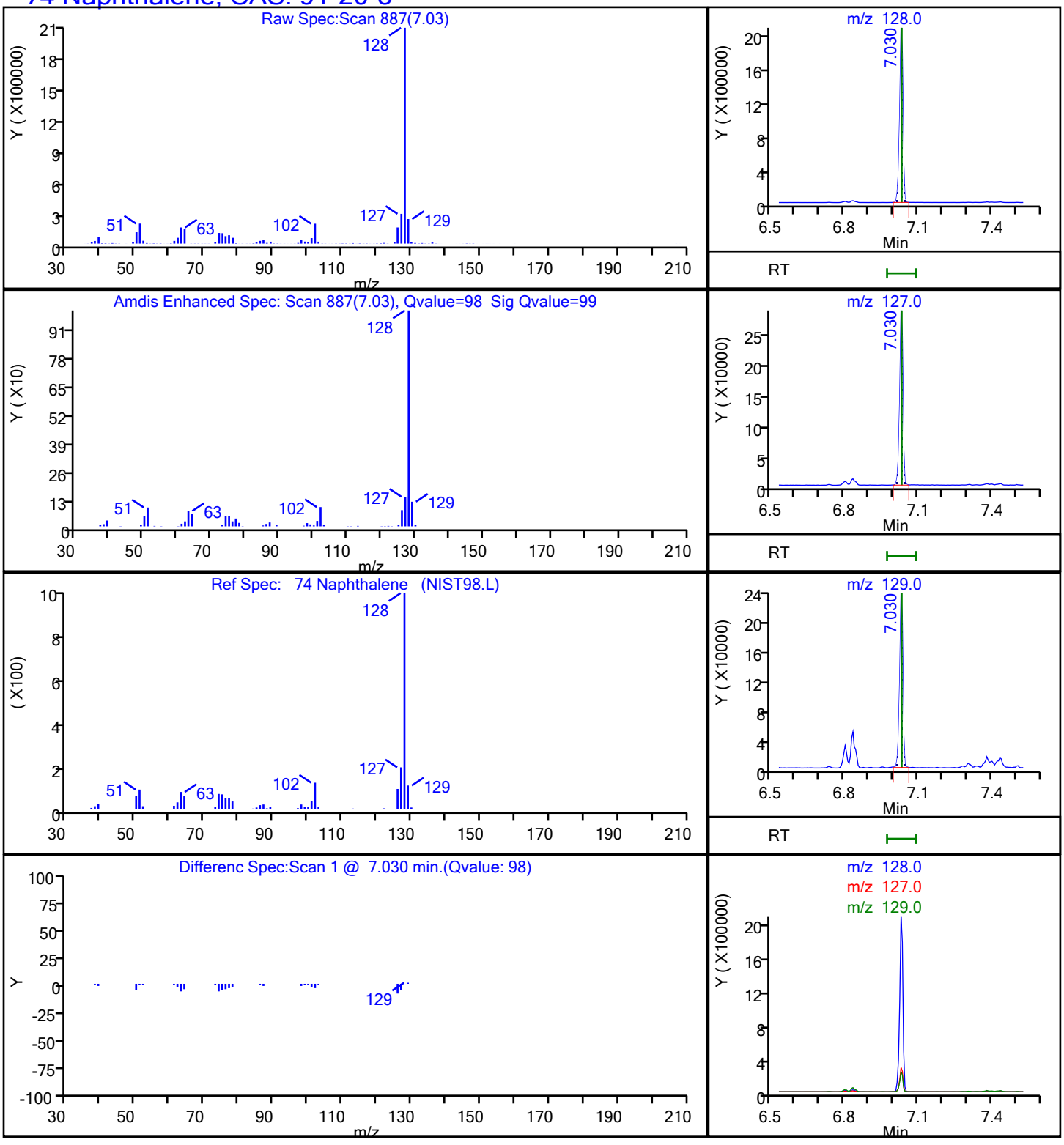


Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96898.b\Y02820369.D

Injection Date:	01-Mar-2021 19:44:30	Instrument ID:	HP5973Y		
Lims ID:	480-181441-C-2-A	Lab Sample ID:	480-181441-2		
Client ID:	MW5S-022221				
Operator ID:	JM	ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

74 Naphthalene, CAS: 91-20-3



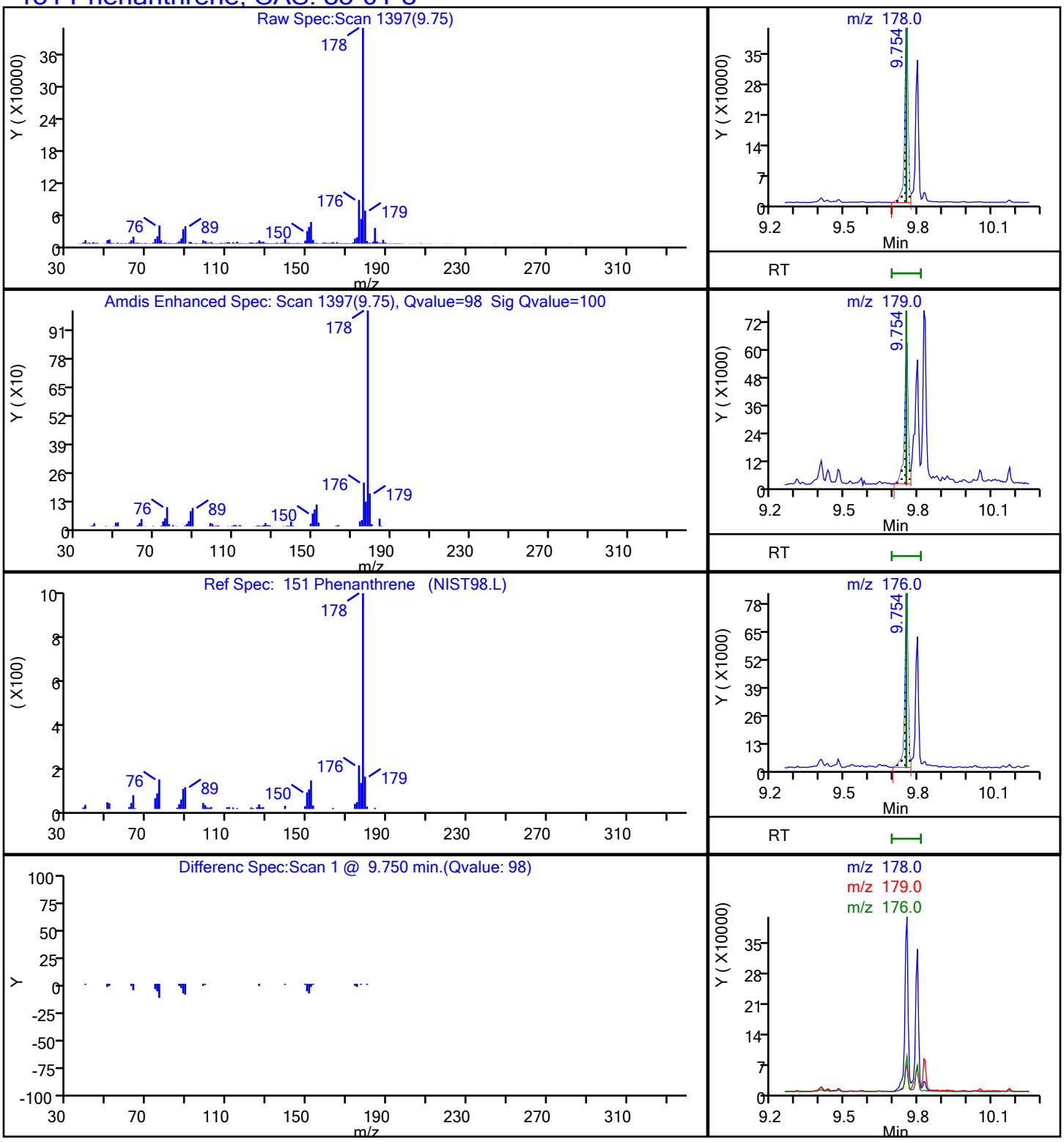
Report Date: 02-Mar-2021 16:02:38 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96898.b\Y02820369.D

Injection Date:	01-Mar-2021 19:44:30	Instrument ID:	HP5973Y		
Lims ID:	480-181441-C-2-A	Lab Sample ID:	480-181441-2		
Client ID:	MW5S-022221				
Operator ID:	JM	ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

151 Phenanthrene, CAS: 85-01-8



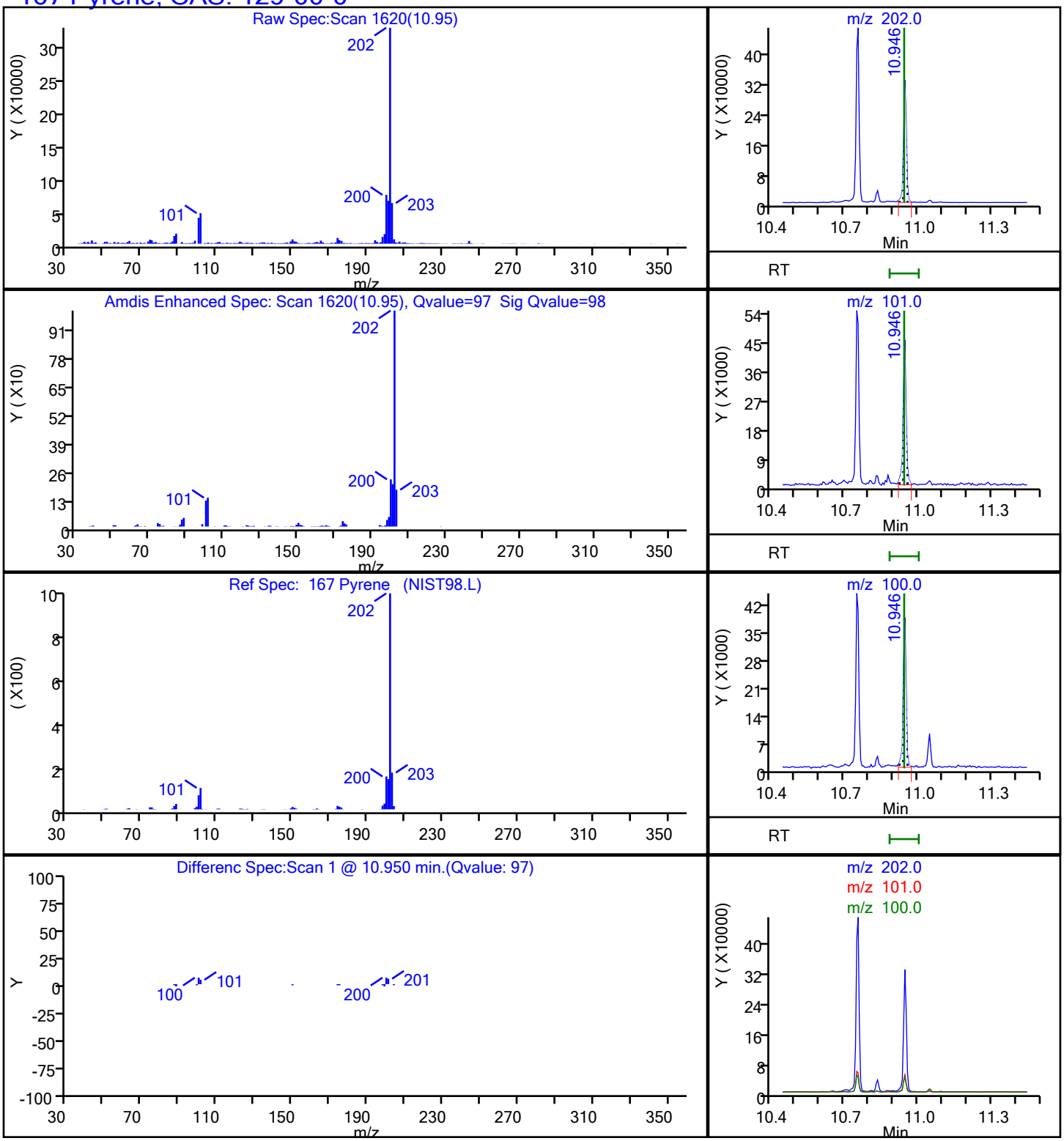
Report Date: 02-Mar-2021 16:02:38 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96898.b\Y02820369.D

Injection Date:	01-Mar-2021 19:44:30	Instrument ID:	HP5973Y		
Lims ID:	480-181441-C-2-A	Lab Sample ID:	480-181441-2		
Client ID:	MW5S-022221				
Operator ID:	JM	ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

167 Pyrene, CAS: 129-00-0



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

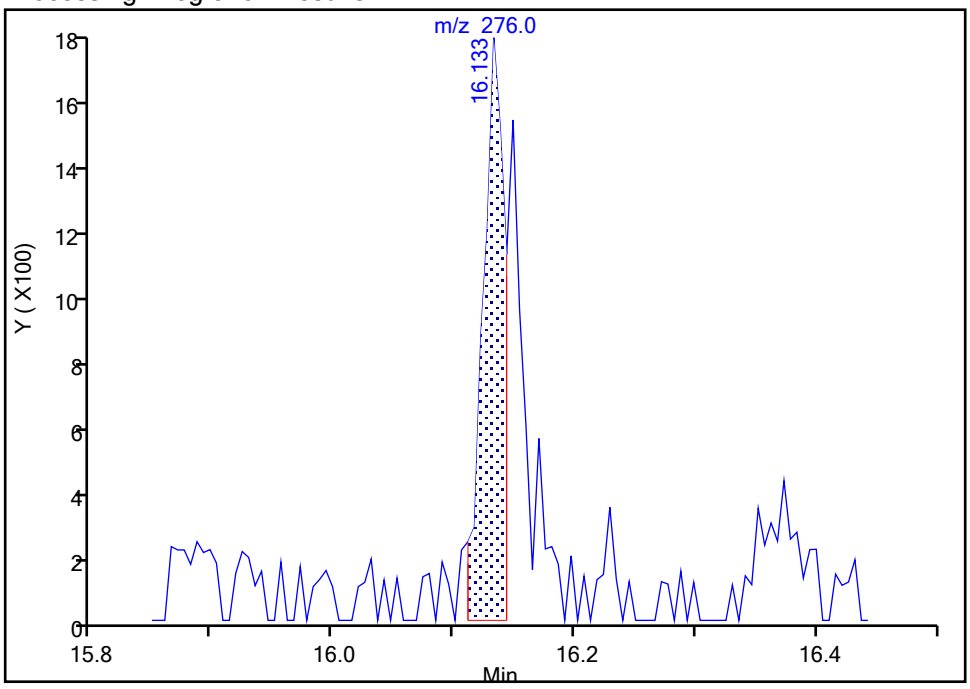
Data File:	\\chromfs\Buffalo\ChromData\HP5973Y\20210301-96898.b\Y02820369.D				
Injection Date:	01-Mar-2021 19:44:30	Instrument ID:	HP5973Y		
Lims ID:	480-181441-C-2-A	Lab Sample ID:	480-181441-2		
Client ID:	MW5S-022221				
Operator ID:	JM	ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

195 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

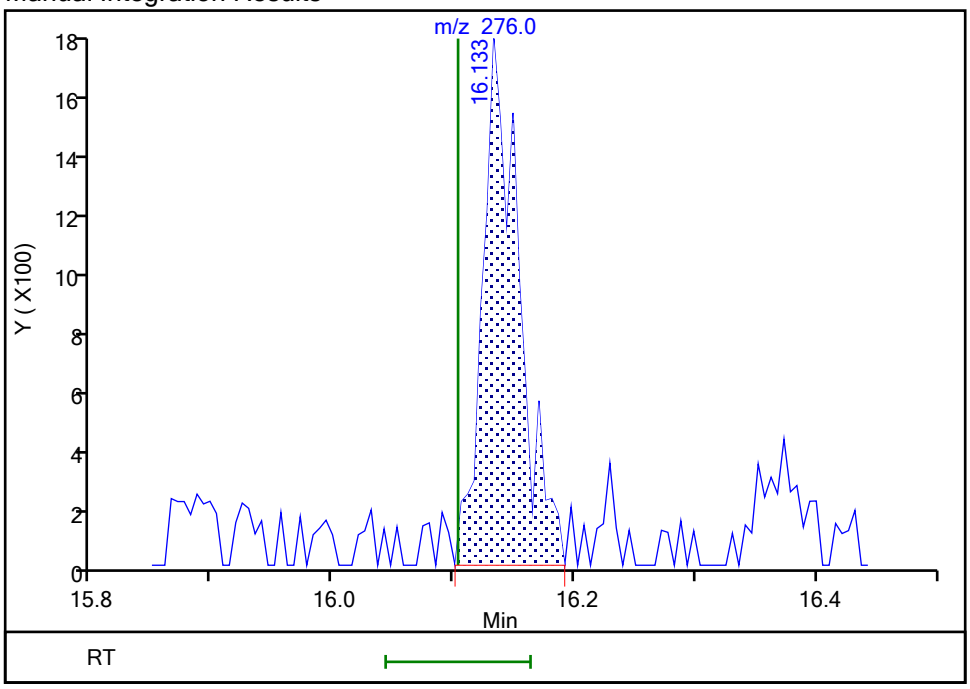
Processing Integration Results

RT: 16.13
Area: 2241
Amount: 0.035518
Amount Units: ng/uL



Manual Integration Results

RT: 16.13
Area: 3718
Amount: 0.040462
Amount Units: ng/uL



Reviewer: marshallj, 02-Mar-2021 16:01:23

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

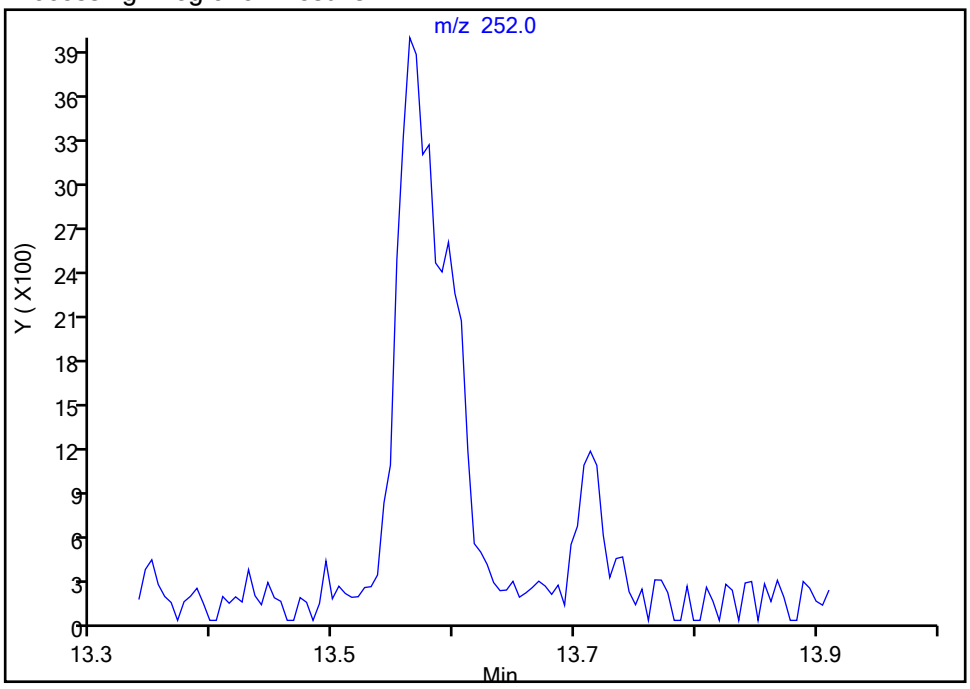
Data File:	\\chromfs\Buffalo\ChromData\HP5973Y\20210301-96898.b\Y02820369.D				
Injection Date:	01-Mar-2021 19:44:30	Instrument ID:	HP5973Y		
Lims ID:	480-181441-C-2-A	Lab Sample ID:	480-181441-2		
Client ID:	MW5S-022221				
Operator ID:	JM	ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

187 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

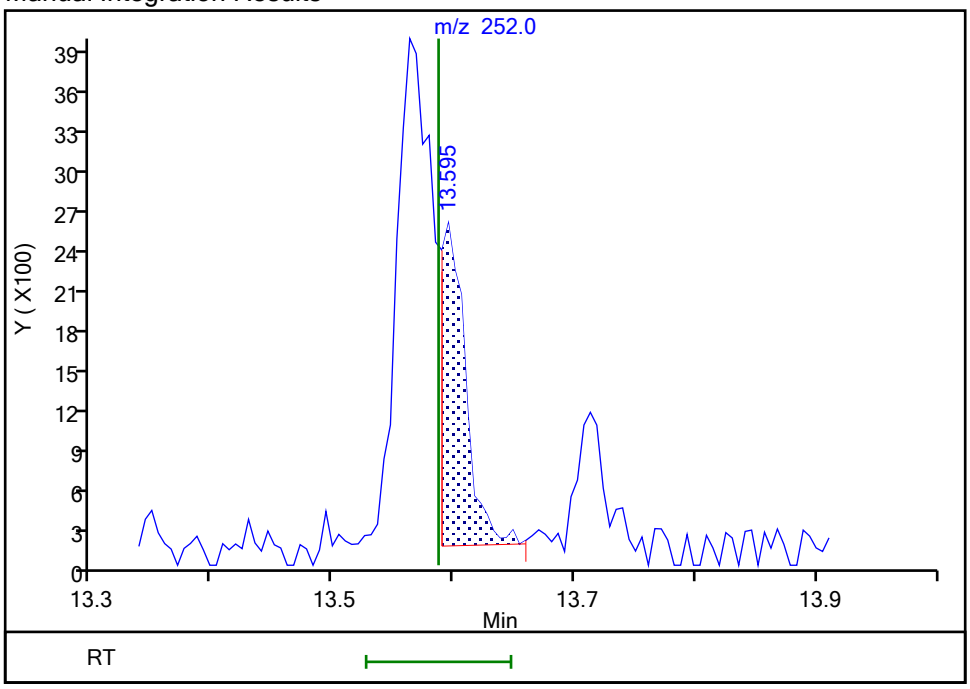
Not Detected
Expected RT: 13.59

Processing Integration Results



Manual Integration Results

RT: 13.60
Area: 3464
Amount: 0.023659
Amount Units: ng/uL



Reviewer: marshallj, 02-Mar-2021 16:01:43
Audit Action: Split an Integrated Peak Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Client Sample ID: MW-5D-022221 Lab Sample ID: 480-181441-3

Matrix: Water Lab File ID: Y02820415.D

Analysis Method: 8270D Date Collected: 02/22/2021 10:50

Extract. Method: 3510C Date Extracted: 02/26/2021 09:50

Sample wt/vol: 230(mL) Date Analyzed: 03/03/2021 13:18

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

Injection Volume: 2(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 571002 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		5.4	0.45
208-96-8	Acenaphthylene	ND		5.4	0.41
120-12-7	Anthracene	ND		5.4	0.30
56-55-3	Benzo[a]anthracene	ND		5.4	0.39
50-32-8	Benzo[a]pyrene	ND		5.4	0.51
205-99-2	Benzo[b]fluoranthene	ND		5.4	0.37
191-24-2	Benzo[g,h,i]perylene	ND		5.4	0.38
207-08-9	Benzo[k]fluoranthene	ND		5.4	0.79
218-01-9	Chrysene	ND		5.4	0.36
53-70-3	Dibenz(a,h)anthracene	ND		5.4	0.46
206-44-0	Fluoranthene	ND		5.4	0.43
86-73-7	Fluorene	ND		5.4	0.39
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.4	0.51
91-20-3	Naphthalene	ND		5.4	0.83
85-01-8	Phenanthrene	ND		5.4	0.48
129-00-0	Pyrene	ND		5.4	0.37

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	97		48-120
4165-60-0	Nitrobenzene-d5 (Surr)	100		46-120
1718-51-0	p-Terphenyl-d14 (Surr)	101		60-148

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210302-96924.b\Y02820415.D
Lims ID: 480-181441-D-3-A
Client ID: MW-5D-022221
Sample Type: Client
Inject. Date: 03-Mar-2021 13:18:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 480-0096924-005
Operator ID: JM Instrument ID: HP5973Y

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20210302-96924.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 04-Mar-2021 13:35:53 Calib Date: 02-Mar-2021 17:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96899.b\Y02820384.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1672

First Level Reviewer: marshallj Date: 04-Mar-2021 12:50:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.896	5.897	-0.001	95	291482	4.00	
* 2 Naphthalene-d8	136	6.986	6.986	0.000	100	1008748	4.00	
* 3 Acenaphthene-d10	164	8.461	8.461	0.000	96	598892	4.00	
* 4 Phenanthrene-d10	188	9.705	9.706	-0.001	97	1092507	4.00	
* 5 Chrysene-d12	240	12.109	12.115	-0.006	99	998389	4.00	
* 6 Perylene-d12	264	14.049	14.049	0.000	98	1000246	4.00	
$ 9 Nitrobenzene-d5	82	6.372	6.377	-0.005	91	674762	7.98	
$ 10 2-Fluorobiphenyl	172	7.884	7.884	0.000	99	1566273	7.73	
$ 12 p-Terphenyl-d14	244	11.014	11.014	0.000	98	1971593	8.11	
74 Naphthalene	128	7.008	7.008	0.000	58	6868	0.0274	
108 Acenaphthylene	152	8.343	8.343	0.000	82	1562	0.006336	
110 Acenaphthene	153	8.487	8.488	-0.001	91	5548	0.0320	
124 Fluorene	166	8.920	8.920	0.000	98	2986	0.0152	
151 Phenanthrene	178	9.721	9.722	-0.001	95	11797	0.0406	
152 Anthracene	178		9.764				ND	U
164 Fluoranthene	202	10.720	10.721	-0.001	97	8580	0.0463	
167 Pyrene	202	10.918	10.913	0.005	95	6785	0.0220	
180 Benzo[a]anthracene	228		12.099				ND	
182 Chrysene	228		12.142				ND	
186 Benzo[b]fluoranthene	252	13.509	13.504	0.005	82	3255	0.0425	M
187 Benzo[k]fluoranthene	252	13.541	13.536	0.005	1	1831	0.0184	M
189 Benzo[a]pyrene	252		13.969				ND	
193 Indeno[1,2,3-cd]pyrene	276	15.673	15.641	0.032	93	1577	0.0363	
194 Dibenz(a,h)anthracene	278		15.646				ND	
195 Benzo[g,h,i]perylene	276		16.036				ND	

QC Flag Legend
Processing Flags

Review Flags
M - Manually Integrated
U - Marked Undetected

Reagents:

MB_LLIS_WRK_00208 Amount Added: 20.00 Units: uL Run Reagent

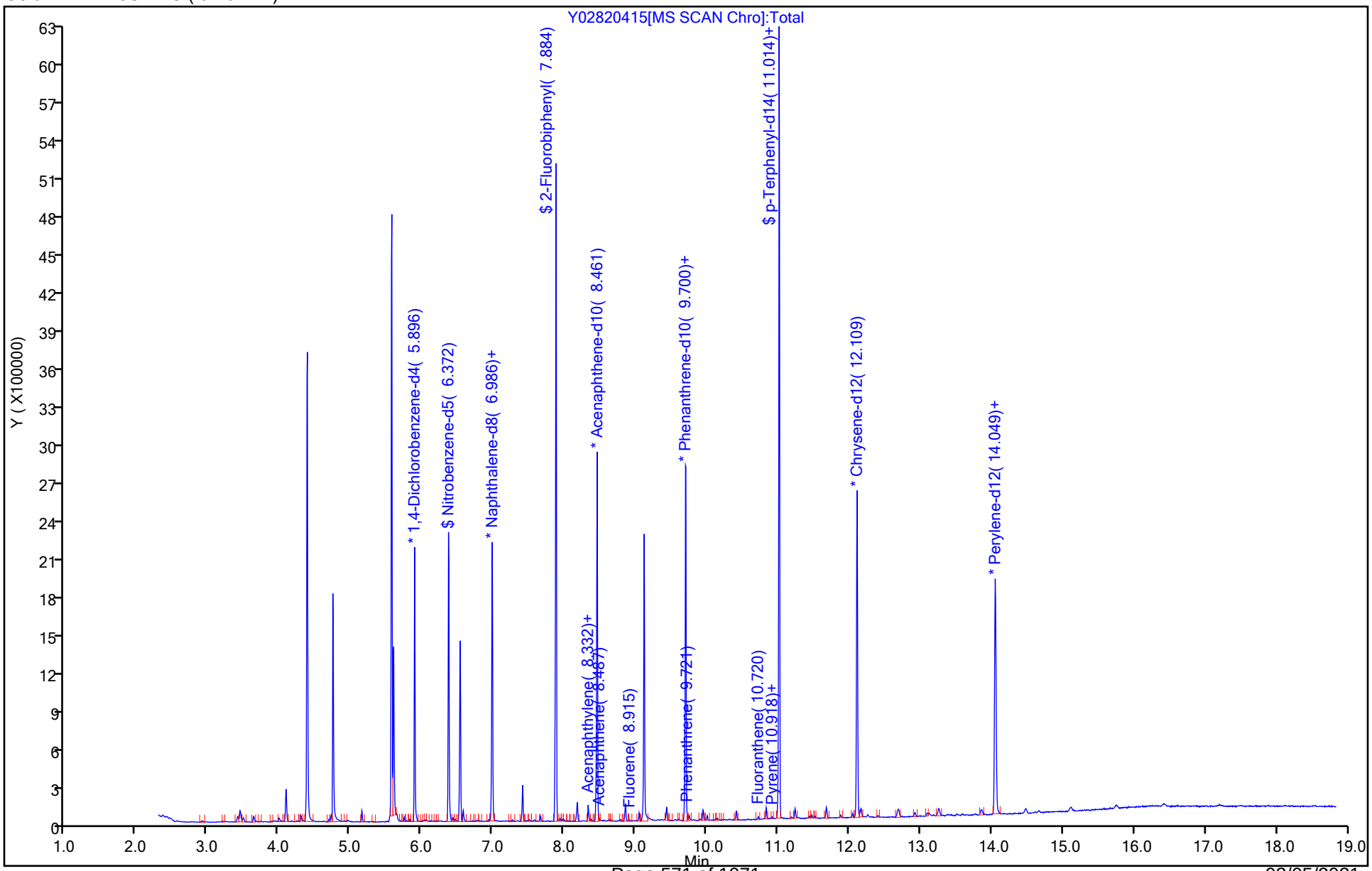
Report Date: 04-Mar-2021 13:36:04 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210302-96924.b\Y02820415.D

Injection Date:	03-Mar-2021 13:18:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	480-181441-D-3-A	Lab Sample ID:	480-181441-3	Worklist Smp#:	5
Client ID:	MW-5D-022221				
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

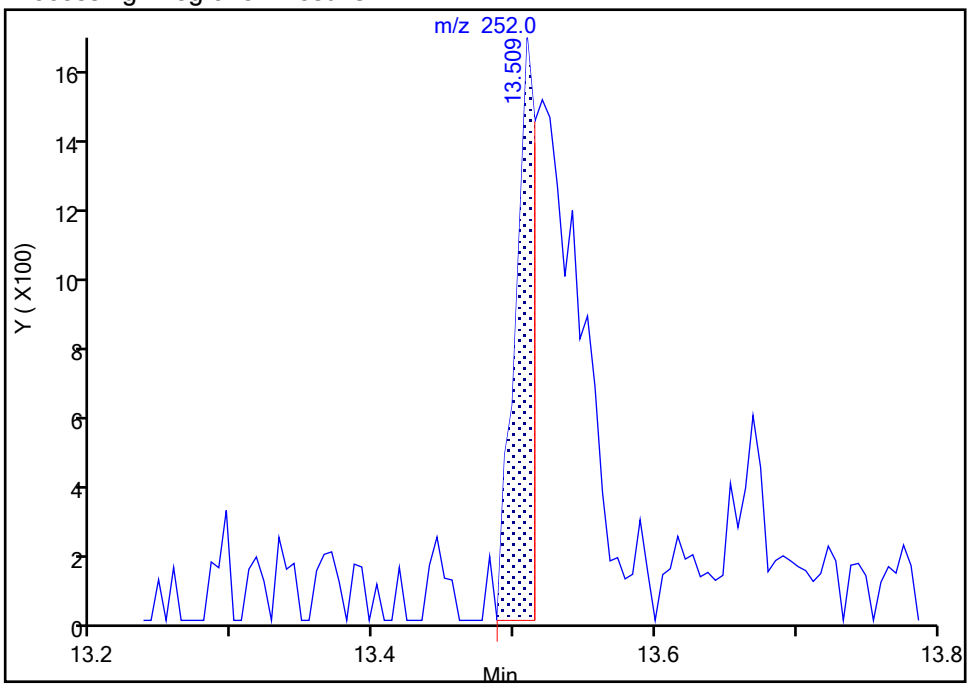
Data File:	\\chromfs\Buffalo\ChromData\HP5973Y\20210302-96924.b\Y02820415.D				
Injection Date:	03-Mar-2021 13:18:30	Instrument ID:	HP5973Y		
Lims ID:	480-181441-D-3-A	Lab Sample ID:	480-181441-3		
Client ID:	MW-5D-022221				
Operator ID:	JM	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

186 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

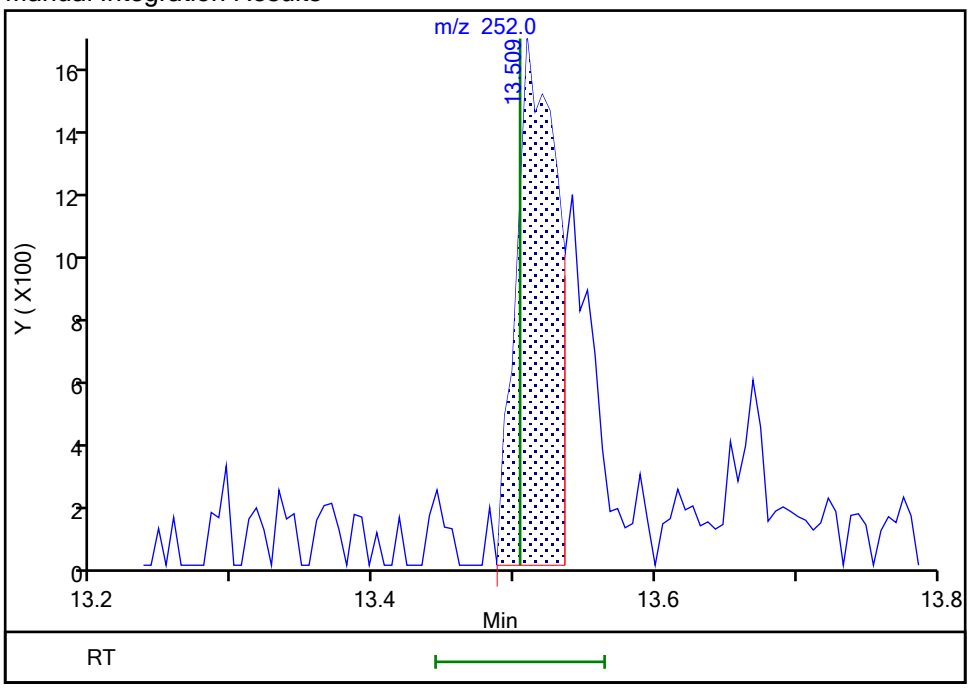
Processing Integration Results

RT: 13.51
Area: 1653
Amount: 0.037156
Amount Units: ng/uL



Manual Integration Results

RT: 13.51
Area: 3255
Amount: 0.042530
Amount Units: ng/uL



Reviewer: marshallj, 04-Mar-2021 12:49:26

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

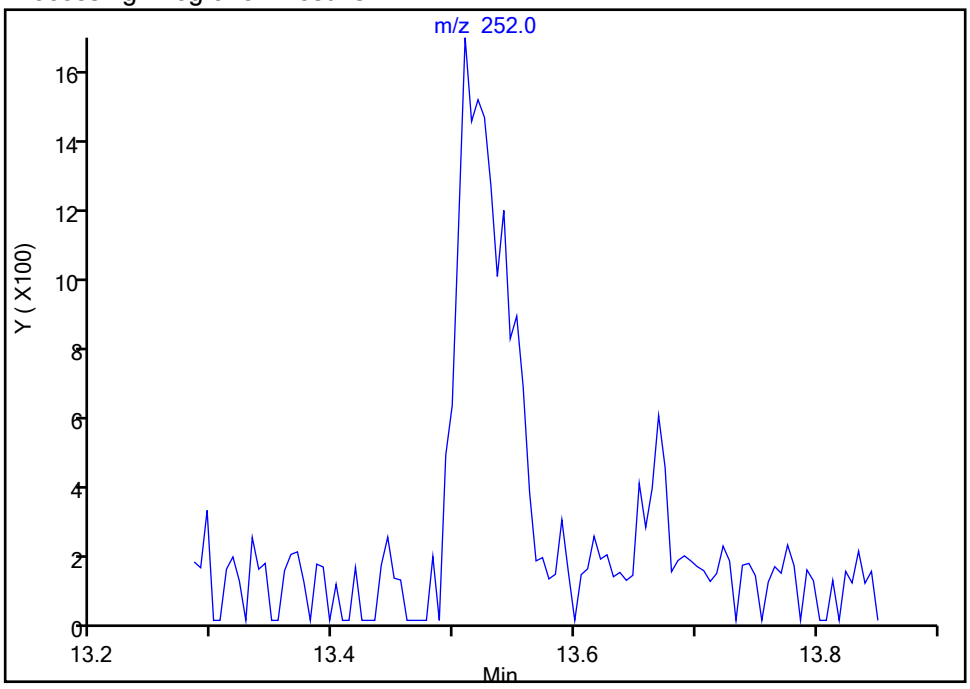
Data File:	\\chromfs\Buffalo\ChromData\HP5973Y\20210302-96924.b\Y02820415.D				
Injection Date:	03-Mar-2021 13:18:30	Instrument ID:	HP5973Y		
Lims ID:	480-181441-D-3-A	Lab Sample ID:	480-181441-3		
Client ID:	MW-5D-022221				
Operator ID:	JM	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

187 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

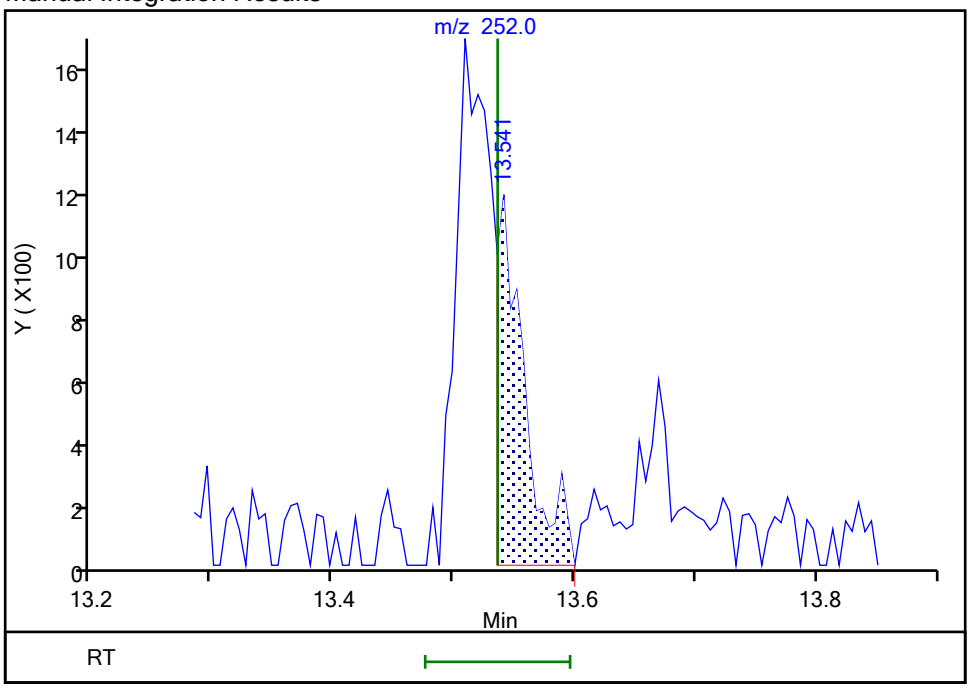
Not Detected
Expected RT: 13.54

Processing Integration Results



Manual Integration Results

RT: 13.54
Area: 1831
Amount: 0.018356
Amount Units: ng/uL



Reviewer: marshallj, 04-Mar-2021 12:49:46
Audit Action: Split an Integrated Peak Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Client Sample ID: MW-3D-022321 Lab Sample ID: 480-181441-4

Matrix: Water Lab File ID: Y02820416.D

Analysis Method: 8270D Date Collected: 02/23/2021 14:55

Extract. Method: 3510C Date Extracted: 02/26/2021 09:50

Sample wt/vol: 200(mL) Date Analyzed: 03/03/2021 13:48

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

Injection Volume: 2(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 571002 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		6.3	0.51
208-96-8	Acenaphthylene	ND		6.3	0.48
120-12-7	Anthracene	ND		6.3	0.35
56-55-3	Benzo[a]anthracene	ND		6.3	0.45
50-32-8	Benzo[a]pyrene	ND		6.3	0.59
205-99-2	Benzo[b]fluoranthene	ND		6.3	0.43
191-24-2	Benzo[g,h,i]perylene	ND		6.3	0.44
207-08-9	Benzo[k]fluoranthene	ND		6.3	0.91
218-01-9	Chrysene	ND		6.3	0.41
53-70-3	Dibenz(a,h)anthracene	ND		6.3	0.53
206-44-0	Fluoranthene	ND		6.3	0.50
86-73-7	Fluorene	ND		6.3	0.45
193-39-5	Indeno[1,2,3-cd]pyrene	ND		6.3	0.59
91-20-3	Naphthalene	ND		6.3	0.95
85-01-8	Phenanthrene	ND		6.3	0.55
129-00-0	Pyrene	ND		6.3	0.43

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	98		48-120
4165-60-0	Nitrobenzene-d5 (Surr)	99		46-120
1718-51-0	p-Terphenyl-d14 (Surr)	100		60-148

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210302-96924.b\Y02820416.D
Lims ID: 480-181441-D-4-A
Client ID: MW-3D-022321
Sample Type: Client
Inject. Date: 03-Mar-2021 13:48:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 480-0096924-006
Operator ID: JM Instrument ID: HP5973Y

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20210302-96924.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 04-Mar-2021 13:35:53 Calib Date: 02-Mar-2021 17:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96899.b\Y02820384.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1672

First Level Reviewer: marshallj Date: 04-Mar-2021 13:09:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.895	5.897	-0.002	95	294246	4.00	
* 2 Naphthalene-d8	136	6.985	6.986	-0.001	100	1039308	4.00	
* 3 Acenaphthene-d10	164	8.459	8.461	-0.002	96	603436	4.00	
* 4 Phenanthrene-d10	188	9.704	9.706	-0.002	97	1079516	4.00	
* 5 Chrysene-d12	240	12.108	12.115	-0.007	99	996975	4.00	
* 6 Perylene-d12	264	14.053	14.049	0.004	98	999172	4.00	
$ 9 Nitrobenzene-d5	82	6.376	6.377	-0.001	90	691715	7.94	
$ 10 2-Fluorobiphenyl	172	7.882	7.884	-0.002	99	1608953	7.88	
$ 12 p-Terphenyl-d14	244	11.018	11.014	0.004	98	1939494	7.98	
74 Naphthalene	128	7.001	7.008	-0.007	89	2712	0.0105	
108 Acenaphthylene	152		8.343				ND	
110 Acenaphthene	153		8.488				ND	
124 Fluorene	166		8.920				ND	
151 Phenanthrene	178	9.725	9.722	0.003	89	3528	0.0123	
152 Anthracene	178		9.764				ND	
164 Fluoranthene	202	10.724	10.721	0.003	93	1315	0.0231	
167 Pyrene	202		10.913				ND	
180 Benzo[a]anthracene	228		12.099				ND	
182 Chrysene	228		12.142				ND	
186 Benzo[b]fluoranthene	252		13.504				ND	
187 Benzo[k]fluoranthene	252		13.536				ND	
189 Benzo[a]pyrene	252		13.969				ND	
193 Indeno[1,2,3-cd]pyrene	276		15.641				ND	
194 Dibenz(a,h)anthracene	278		15.646				ND	
195 Benzo[g,h,i]perylene	276		16.036				ND	

QC Flag Legend
Processing Flags

Reagents:

MB_LLIS_WRK_00208 Amount Added: 20.00 Units: uL Run Reagent

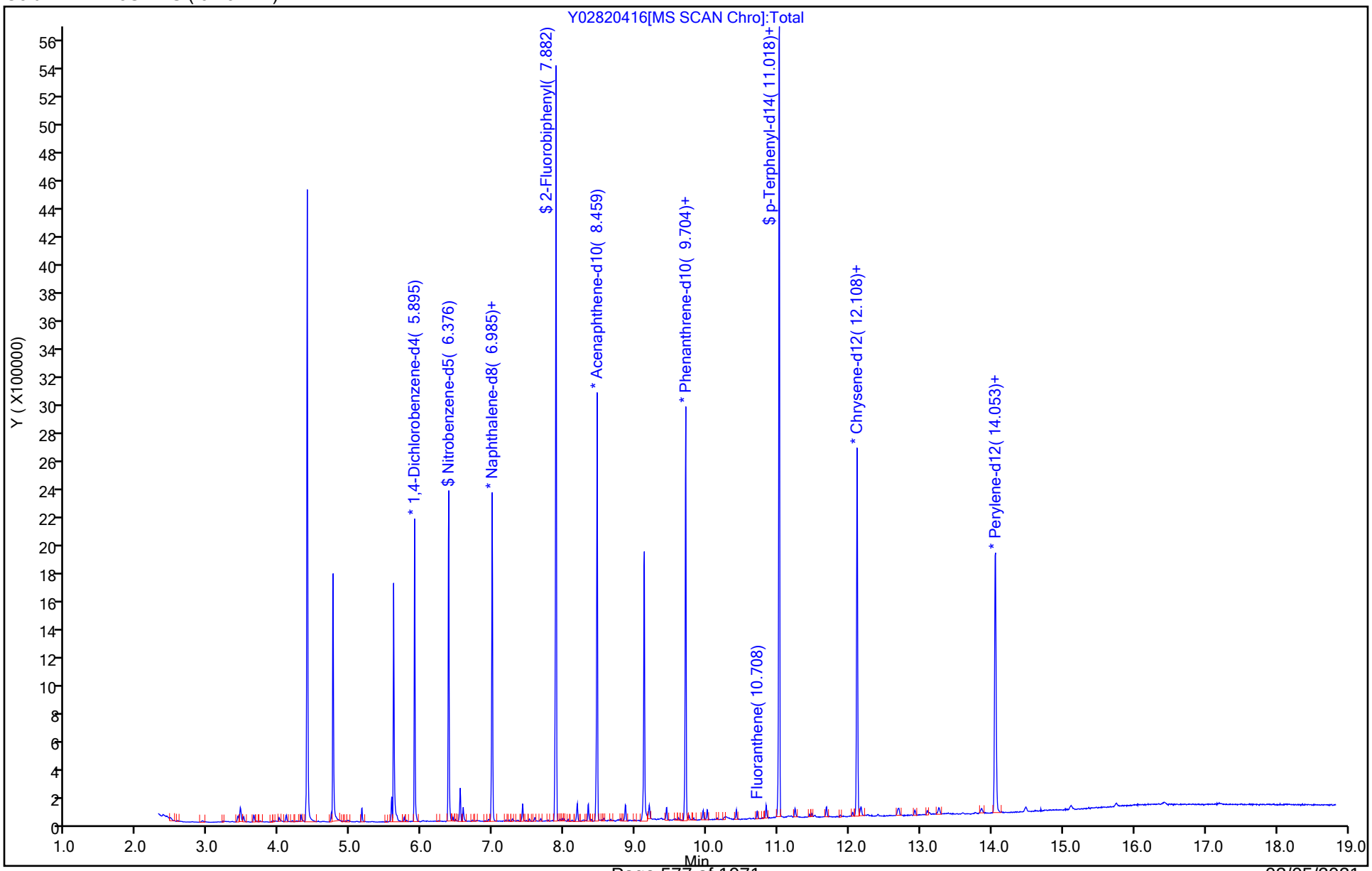
Report Date: 04-Mar-2021 13:36:06 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210302-96924.b\Y02820416.D

Injection Date:	03-Mar-2021 13:48:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	480-181441-D-4-A	Lab Sample ID:	480-181441-4	Worklist Smp#:	6
Client ID:	MW-3D-022321				
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Client Sample ID: MW-3S-022321 Lab Sample ID: 480-181441-5

Matrix: Water Lab File ID: Y02820417.D

Analysis Method: 8270D Date Collected: 02/23/2021 13:55

Extract. Method: 3510C Date Extracted: 02/26/2021 09:50

Sample wt/vol: 230(mL) Date Analyzed: 03/03/2021 14:18

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

Injection Volume: 2(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 571002 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		5.4	0.45
208-96-8	Acenaphthylene	ND		5.4	0.41
120-12-7	Anthracene	ND		5.4	0.30
56-55-3	Benzo[a]anthracene	ND		5.4	0.39
50-32-8	Benzo[a]pyrene	ND		5.4	0.51
205-99-2	Benzo[b]fluoranthene	ND		5.4	0.37
191-24-2	Benzo[g,h,i]perylene	ND		5.4	0.38
207-08-9	Benzo[k]fluoranthene	ND		5.4	0.79
218-01-9	Chrysene	ND		5.4	0.36
53-70-3	Dibenz(a,h)anthracene	ND		5.4	0.46
206-44-0	Fluoranthene	ND		5.4	0.43
86-73-7	Fluorene	ND		5.4	0.39
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.4	0.51
91-20-3	Naphthalene	ND		5.4	0.83
85-01-8	Phenanthrene	ND		5.4	0.48
129-00-0	Pyrene	ND		5.4	0.37

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	103		48-120
4165-60-0	Nitrobenzene-d5 (Surr)	104		46-120
1718-51-0	p-Terphenyl-d14 (Surr)	102		60-148

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210302-96924.b\Y02820417.D
Lims ID: 480-181441-D-5-A
Client ID: MW-3S-022321
Sample Type: Client
Inject. Date: 03-Mar-2021 14:18:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 480-0096924-007
Operator ID: JM Instrument ID: HP5973Y

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20210302-96924.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 04-Mar-2021 13:35:53 Calib Date: 02-Mar-2021 17:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96899.b\Y02820384.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1672

First Level Reviewer: marshallj Date: 04-Mar-2021 13:10:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.897	5.897	0.000	95	283784	4.00	
* 2 Naphthalene-d8	136	6.987	6.986	0.001	100	1007263	4.00	
* 3 Acenaphthene-d10	164	8.462	8.461	0.001	95	577330	4.00	
* 4 Phenanthrene-d10	188	9.701	9.706	-0.005	97	1070020	4.00	
* 5 Chrysene-d12	240	12.110	12.115	-0.005	99	975979	4.00	
* 6 Perylene-d12	264	14.049	14.049	0.000	98	971342	4.00	
$ 9 Nitrobenzene-d5	82	6.373	6.377	-0.004	90	704273	8.35	
$ 10 2-Fluorobiphenyl	172	7.885	7.884	0.001	100	1615957	8.27	
$ 12 p-Terphenyl-d14	244	11.015	11.014	0.001	98	1931020	8.12	
74 Naphthalene	128	7.009	7.008	0.001	92	2853	0.0114	
108 Acenaphthylene	152		8.343				ND	
110 Acenaphthene	153		8.488				ND	
124 Fluorene	166		8.920				ND	
151 Phenanthrene	178	9.722	9.722	0.000	91	3670	0.0129	
152 Anthracene	178		9.764				ND	
164 Fluoranthene	202	10.727	10.721	0.006	89	1211	0.0228	
167 Pyrene	202		10.913				ND	
180 Benzo[a]anthracene	228		12.099				ND	
182 Chrysene	228		12.142				ND	
186 Benzo[b]fluoranthene	252		13.504				ND	
187 Benzo[k]fluoranthene	252		13.536				ND	
189 Benzo[a]pyrene	252		13.969				ND	
193 Indeno[1,2,3-cd]pyrene	276		15.641				ND	
194 Dibenz(a,h)anthracene	278		15.646				ND	
195 Benzo[g,h,i]perylene	276		16.036				ND	

QC Flag Legend
Processing Flags

Reagents:

MB_LLIS_WRK_00208 Amount Added: 20.00 Units: uL Run Reagent

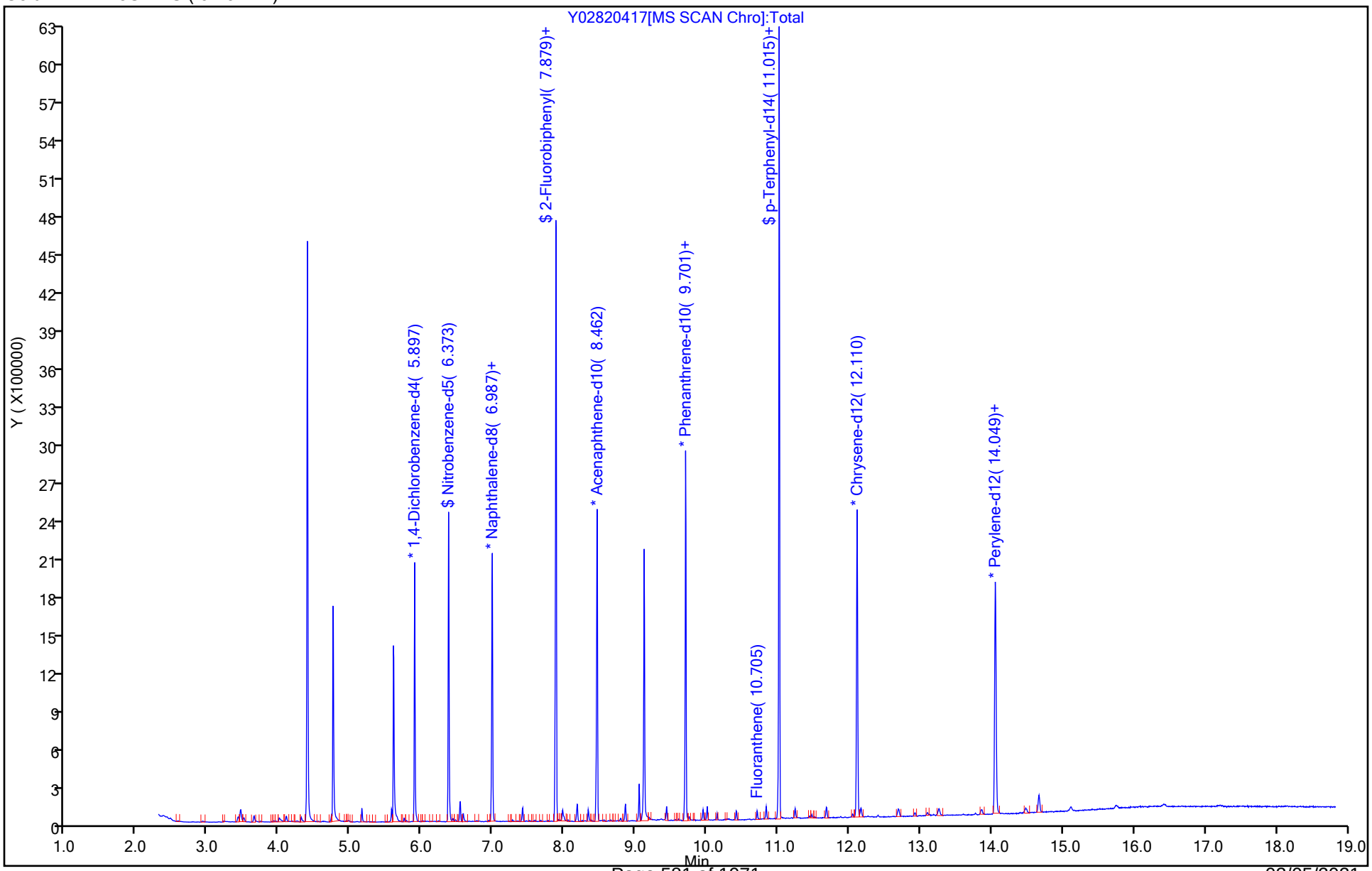
Report Date: 04-Mar-2021 13:36:08 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210302-96924.b\Y02820417.D

Injection Date:	03-Mar-2021 14:18:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	480-181441-D-5-A	Lab Sample ID:	480-181441-5	Worklist Smp#:	7
Client ID:	MW-3S-022321				
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Client Sample ID: DUP-1-022321 Lab Sample ID: 480-181441-6

Matrix: Water Lab File ID: Y02820418.D

Analysis Method: 8270D Date Collected: 02/23/2021 14:00

Extract. Method: 3510C Date Extracted: 02/26/2021 09:50

Sample wt/vol: 230(mL) Date Analyzed: 03/03/2021 14:47

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

Injection Volume: 2(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 571002 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		5.4	0.45
208-96-8	Acenaphthylene	ND		5.4	0.41
120-12-7	Anthracene	ND		5.4	0.30
56-55-3	Benzo[a]anthracene	ND		5.4	0.39
50-32-8	Benzo[a]pyrene	ND		5.4	0.51
205-99-2	Benzo[b]fluoranthene	ND		5.4	0.37
191-24-2	Benzo[g,h,i]perylene	ND		5.4	0.38
207-08-9	Benzo[k]fluoranthene	ND		5.4	0.79
218-01-9	Chrysene	ND		5.4	0.36
53-70-3	Dibenz(a,h)anthracene	ND		5.4	0.46
206-44-0	Fluoranthene	ND		5.4	0.43
86-73-7	Fluorene	ND		5.4	0.39
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.4	0.51
91-20-3	Naphthalene	ND		5.4	0.83
85-01-8	Phenanthrene	ND		5.4	0.48
129-00-0	Pyrene	ND		5.4	0.37

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	101		48-120
4165-60-0	Nitrobenzene-d5 (Surr)	106		46-120
1718-51-0	p-Terphenyl-d14 (Surr)	98		60-148

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210302-96924.b\Y02820418.D
Lims ID: 480-181441-C-6-A
Client ID: DUP-1-022321
Sample Type: Client
Inject. Date: 03-Mar-2021 14:47:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 480-0096924-008
Operator ID: JM Instrument ID: HP5973Y

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20210302-96924.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 04-Mar-2021 13:35:53 Calib Date: 02-Mar-2021 17:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96899.b\Y02820384.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1672

First Level Reviewer: marshallj Date: 04-Mar-2021 13:12:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.895	5.897	-0.002	96	290553	4.00	
* 2 Naphthalene-d8	136	6.985	6.986	-0.002	100	1018686	4.00	
* 3 Acenaphthene-d10	164	8.459	8.461	-0.002	95	593659	4.00	
* 4 Phenanthrene-d10	188	9.704	9.706	-0.002	97	1092155	4.00	
* 5 Chrysene-d12	240	12.113	12.115	-0.002	99	1028360	4.00	
* 6 Perylene-d12	264	14.052	14.049	0.003	98	1000622	4.00	
$ 9 Nitrobenzene-d5	82	6.376	6.377	-0.001	90	724734	8.49	
$ 10 2-Fluorobiphenyl	172	7.882	7.884	-0.002	99	1624022	8.08	
$ 12 p-Terphenyl-d14	244	11.018	11.014	0.004	98	1961756	7.83	
74 Naphthalene	128		7.008				ND	
108 Acenaphthylene	152		8.343				ND	
110 Acenaphthene	153		8.488				ND	
124 Fluorene	166	8.918	8.920	-0.002	86	723	0.003712	
151 Phenanthrene	178	9.725	9.722	0.003	91	2974	0.0102	
152 Anthracene	178		9.764				ND	U
164 Fluoranthene	202		10.721				ND	
167 Pyrene	202	10.922	10.913	0.009	57	796	0.002504	a
180 Benzo[a]anthracene	228		12.099				ND	
182 Chrysene	228		12.142				ND	
186 Benzo[b]fluoranthene	252		13.504				ND	
187 Benzo[k]fluoranthene	252		13.536				ND	
189 Benzo[a]pyrene	252		13.969				ND	
193 Indeno[1,2,3-cd]pyrene	276		15.641				ND	
194 Dibenz(a,h)anthracene	278		15.646				ND	
195 Benzo[g,h,i]perylene	276		16.036				ND	

QC Flag Legend
Processing Flags

Review Flags
U - Marked Undetected
a - User Assigned ID

Reagents:

MB_LLIS_WRK_00208 Amount Added: 20.00 Units: uL Run Reagent

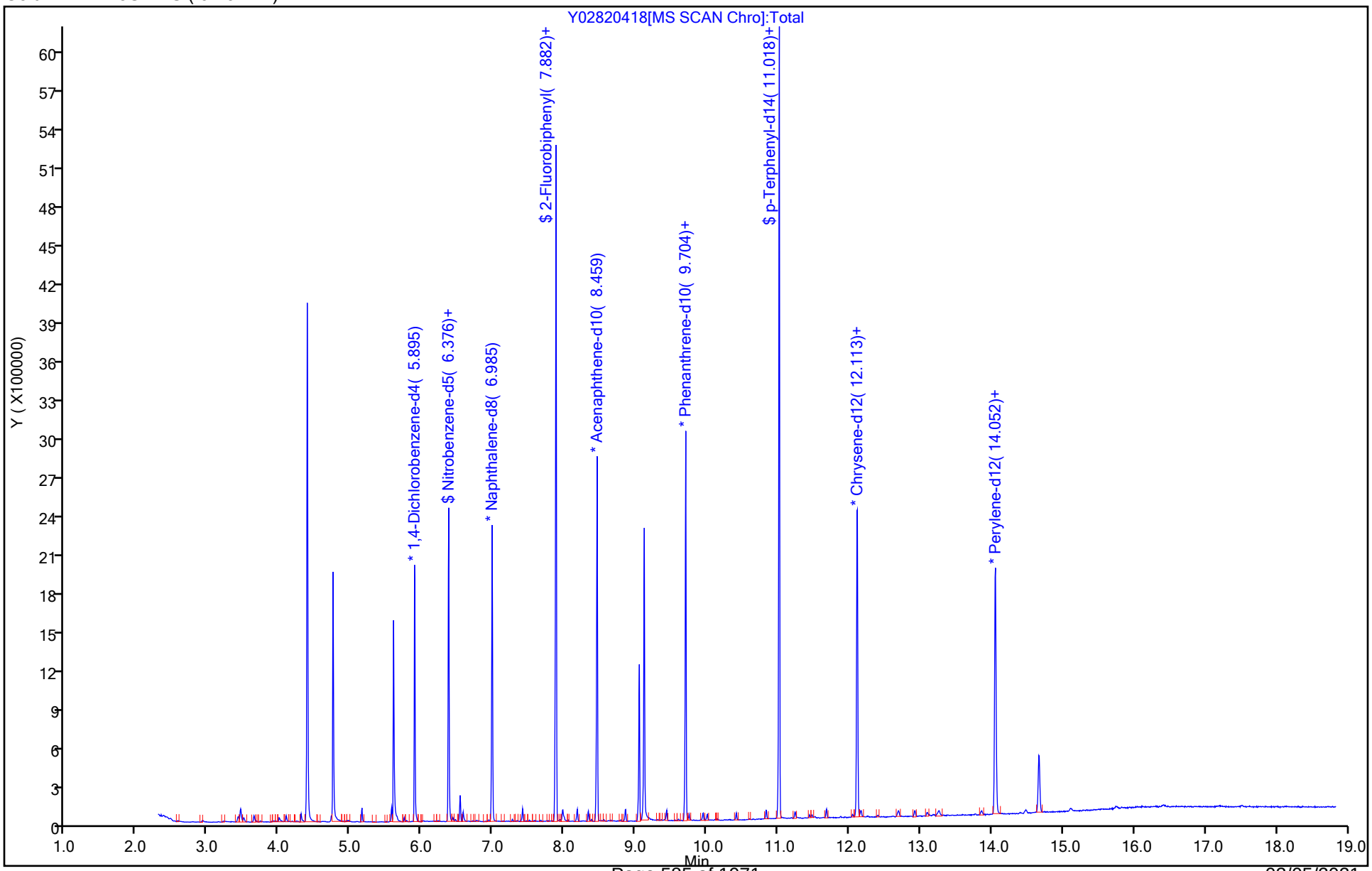
Report Date: 04-Mar-2021 13:36:09 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210302-96924.b\Y02820418.D

Injection Date:	03-Mar-2021 14:47:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	480-181441-C-6-A	Lab Sample ID:	480-181441-6	Worklist Smp#:	8
Client ID:	DUP-1-022321				
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

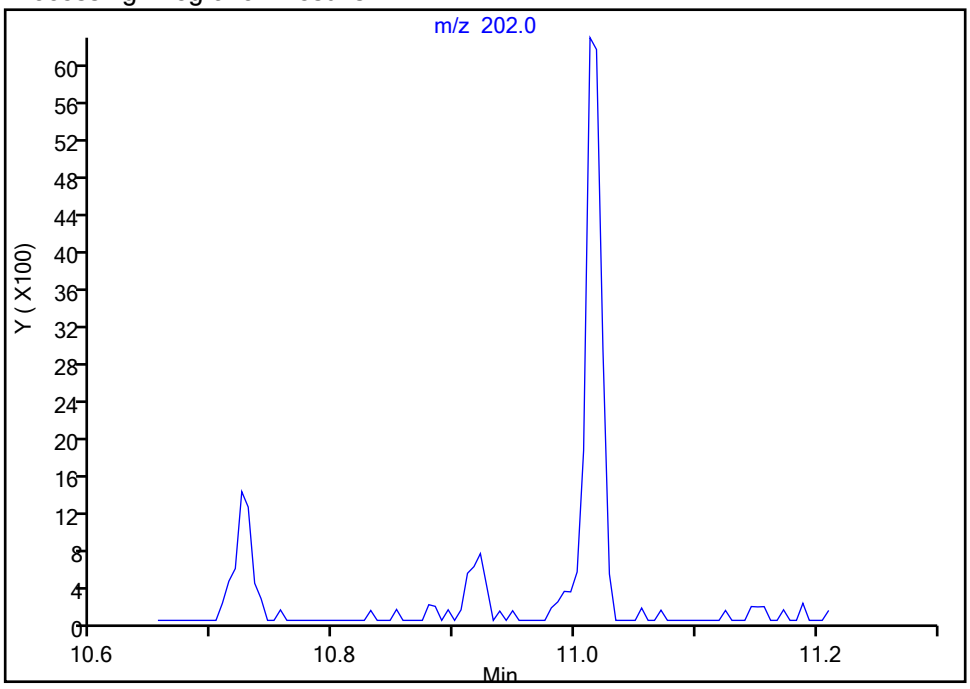
Data File:	\\chromfs\Buffalo\ChromData\HP5973Y\20210302-96924.b\Y02820418.D				
Injection Date:	03-Mar-2021 14:47:30	Instrument ID:	HP5973Y		
Lims ID:	480-181441-C-6-A	Lab Sample ID:	480-181441-6		
Client ID:	DUP-1-022321				
Operator ID:	JM	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

167 Pyrene, CAS: 129-00-0

Signal: 1

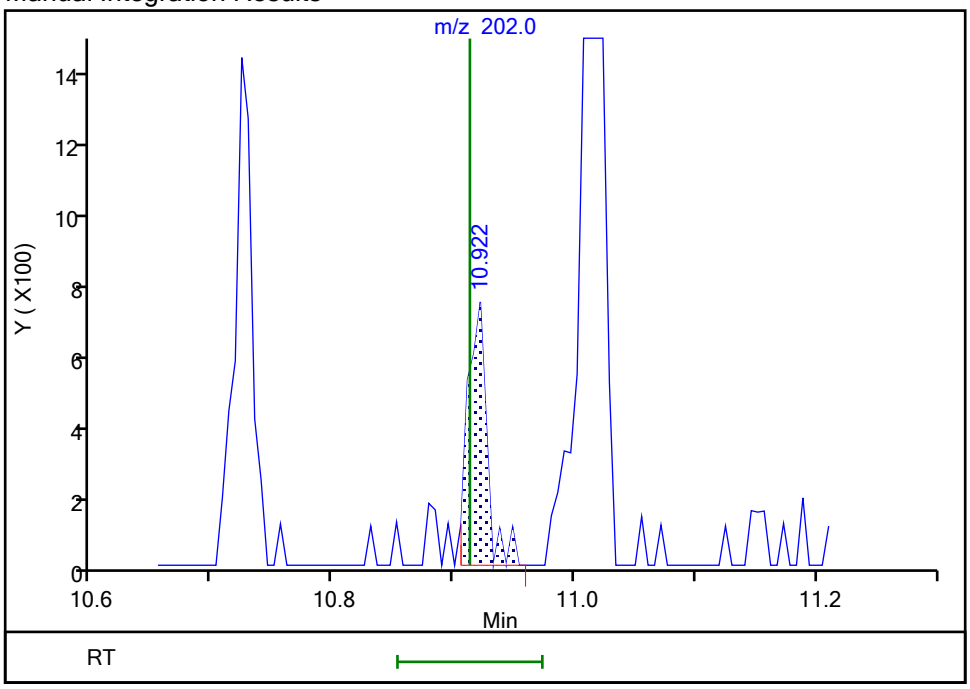
Not Detected
Expected RT: 10.91

Processing Integration Results



Manual Integration Results

RT: 10.92
Area: 796
Amount: 0.002504
Amount Units: ng/uL



Reviewer: marshallj, 04-Mar-2021 13:11:50
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Client Sample ID: MW-1S-022221 Lab Sample ID: 480-181441-7

Matrix: Water Lab File ID: Y02820419.D

Analysis Method: 8270D Date Collected: 02/22/2021 12:45

Extract. Method: 3510C Date Extracted: 02/26/2021 09:50

Sample wt/vol: 250(mL) Date Analyzed: 03/03/2021 15:17

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

Injection Volume: 2(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 571002 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
120-12-7	Anthracene	ND		5.0	0.28
56-55-3	Benzo[a]anthracene	ND		5.0	0.36
50-32-8	Benzo[a]pyrene	ND		5.0	0.47
205-99-2	Benzo[b]fluoranthene	ND		5.0	0.34
191-24-2	Benzo[g,h,i]perylene	ND		5.0	0.35
207-08-9	Benzo[k]fluoranthene	ND		5.0	0.73
218-01-9	Chrysene	ND		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.0	0.47
91-20-3	Naphthalene	ND		5.0	0.76
85-01-8	Phenanthrene	ND		5.0	0.44
129-00-0	Pyrene	ND		5.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	103		48-120
4165-60-0	Nitrobenzene-d5 (Surr)	102		46-120
1718-51-0	p-Terphenyl-d14 (Surr)	96		60-148

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210302-96924.b\Y02820419.D
Lims ID: 480-181441-C-7-A
Client ID: MW-1S-022221
Sample Type: Client
Inject. Date: 03-Mar-2021 15:17:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 480-0096924-009
Operator ID: JM Instrument ID: HP5973Y

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20210302-96924.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 04-Mar-2021 13:35:53 Calib Date: 02-Mar-2021 17:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96899.b\Y02820384.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1672

First Level Reviewer: marshallj Date: 04-Mar-2021 13:13:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.894	5.897	-0.003	95	291222	4.00	
* 2 Naphthalene-d8	136	6.984	6.986	-0.002	100	1004947	4.00	
* 3 Acenaphthene-d10	164	8.458	8.461	-0.003	96	591926	4.00	
* 4 Phenanthrene-d10	188	9.703	9.706	-0.003	97	1078735	4.00	
* 5 Chrysene-d12	240	12.112	12.115	-0.003	99	991008	4.00	
* 6 Perylene-d12	264	14.051	14.049	0.002	98	989248	4.00	
$ 9 Nitrobenzene-d5	82	6.375	6.377	-0.002	91	688594	8.18	
$ 10 2-Fluorobiphenyl	172	7.881	7.884	-0.003	100	1648282	8.23	
$ 12 p-Terphenyl-d14	244	11.017	11.014	0.003	98	1849107	7.66	
74 Naphthalene	128	7.000	7.008	-0.008	89	2396	0.009602	
108 Acenaphthylene	152		8.343				ND	
110 Acenaphthene	153		8.488				ND	
124 Fluorene	166	8.917	8.920	-0.003	94	966	0.004975	
151 Phenanthrene	178	9.724	9.722	0.002	91	3262	0.0114	
152 Anthracene	178		9.764				ND	
164 Fluoranthene	202	10.723	10.721	0.002	95	2069	0.0255	
167 Pyrene	202		10.913				ND	
180 Benzo[a]anthracene	228		12.099				ND	
182 Chrysene	228		12.142				ND	
186 Benzo[b]fluoranthene	252		13.504				ND	
187 Benzo[k]fluoranthene	252		13.536				ND	
189 Benzo[a]pyrene	252		13.969				ND	
193 Indeno[1,2,3-cd]pyrene	276		15.641				ND	
194 Dibenz(a,h)anthracene	278		15.646				ND	
195 Benzo[g,h,i]perylene	276		16.036				ND	

QC Flag Legend
Processing Flags

Reagents:

MB_LLIS_WRK_00208 Amount Added: 20.00 Units: uL Run Reagent

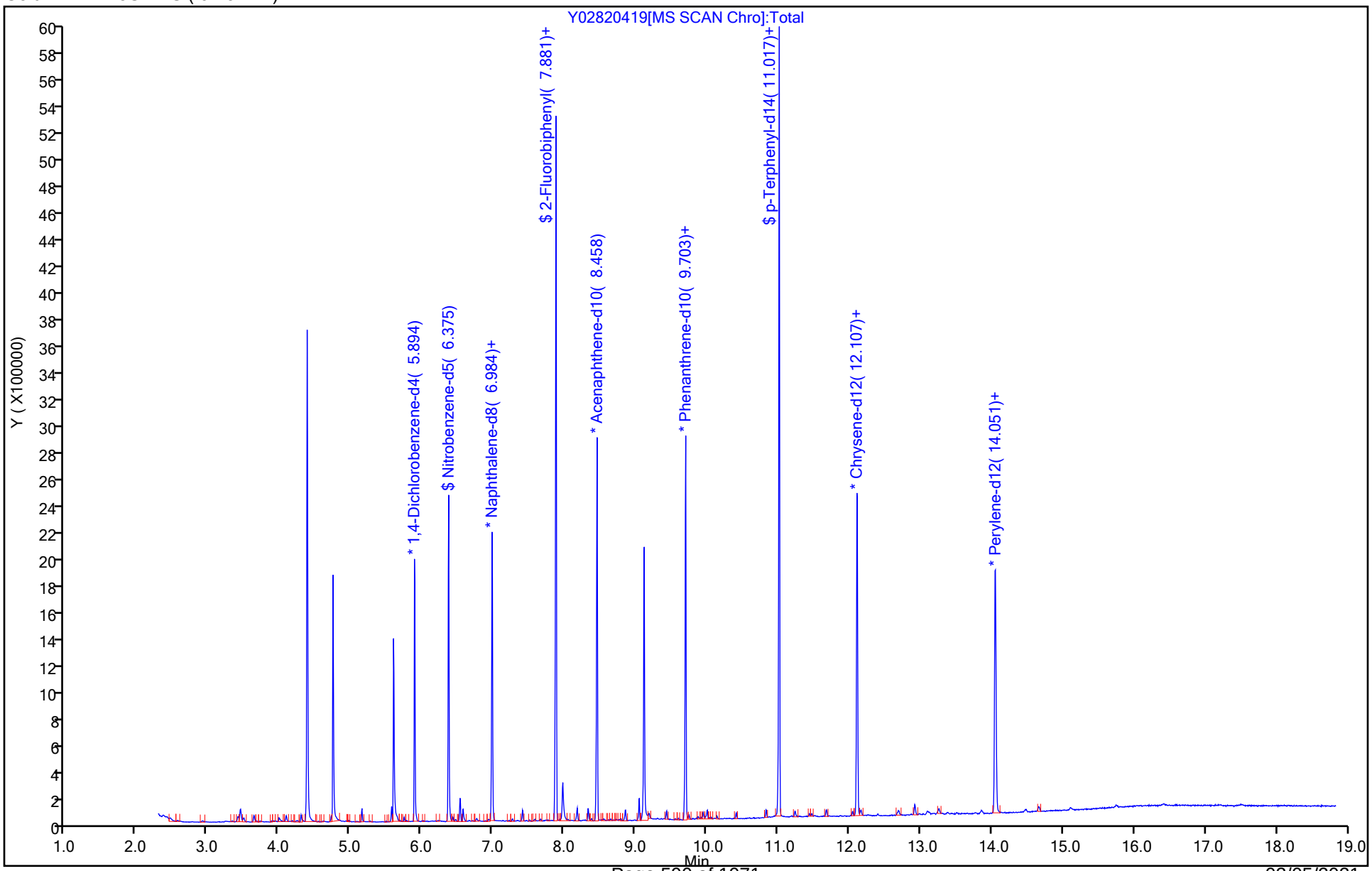
Report Date: 04-Mar-2021 13:36:11 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210302-96924.b\Y02820419.D

Injection Date:	03-Mar-2021 15:17:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	480-181441-C-7-A	Lab Sample ID:	480-181441-7	Worklist Smp#:	9
Client ID:	MW-1S-022221				
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Client Sample ID: MW-2S-022321 Lab Sample ID: 480-181441-8

Matrix: Water Lab File ID: Y02820362.D

Analysis Method: 8270D Date Collected: 02/23/2021 15:20

Extract. Method: 3510C Date Extracted: 02/26/2021 09:50

Sample wt/vol: 230(mL) Date Analyzed: 03/01/2021 16:16

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

Injection Volume: 2(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 570863 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		5.4	0.45
208-96-8	Acenaphthylene	ND		5.4	0.41
120-12-7	Anthracene	ND		5.4	0.30
56-55-3	Benzo[a]anthracene	ND		5.4	0.39
50-32-8	Benzo[a]pyrene	ND		5.4	0.51
205-99-2	Benzo[b]fluoranthene	ND		5.4	0.37
191-24-2	Benzo[g,h,i]perylene	ND		5.4	0.38
207-08-9	Benzo[k]fluoranthene	ND		5.4	0.79
218-01-9	Chrysene	ND		5.4	0.36
53-70-3	Dibenz(a,h)anthracene	ND		5.4	0.46
206-44-0	Fluoranthene	ND		5.4	0.43
86-73-7	Fluorene	ND		5.4	0.39
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.4	0.51
91-20-3	Naphthalene	ND		5.4	0.83
85-01-8	Phenanthrene	ND		5.4	0.48
129-00-0	Pyrene	ND		5.4	0.37

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	101		48-120
4165-60-0	Nitrobenzene-d5 (Surr)	98		46-120
1718-51-0	p-Terphenyl-d14 (Surr)	88		60-148

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96898.b\Y02820362.D
Lims ID: 480-181441-C-8-B
Client ID: MW-2S-022321
Sample Type: Client
Inject. Date: 01-Mar-2021 16:16:30 ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 480-0096898-016
Operator ID: JM Instrument ID: HP5973Y

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96898.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 02-Mar-2021 16:02:00 Calib Date: 18-Feb-2021 23:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y02820304.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1657

First Level Reviewer: marshallj Date: 02-Mar-2021 15:56:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.924	5.922	0.002	95	286222	4.00	
* 2 Naphthalene-d8	136	7.014	7.012	0.002	99	1001152	4.00	
* 3 Acenaphthene-d10	164	8.488	8.486	0.002	96	569380	4.00	
* 4 Phenanthrene-d10	188	9.733	9.731	0.002	96	1061610	4.00	
* 5 Chrysene-d12	240	12.153	12.151	0.002	99	987876	4.00	
* 6 Perylene-d12	264	14.103	14.106	-0.003	98	1023761	4.00	
$ 7 2-Fluorophenol	112	4.776	4.763	0.014	92	495252	6.00	
$ 8 Phenol-d5	99	5.625	5.625	0.003	0	470725	4.60	
$ 9 Nitrobenzene-d5	82	6.400	6.466	-0.002	90	658809	7.85	
$ 10 2-Fluorobiphenyl	172	7.906	7.910	-0.002	99	1553799	8.06	
$ 11 2,4,6-Tribromophenol	330	9.151	9.150	0.003	93	278336	8.09	
$ 12 p-Terphenyl-d14	244	11.047	11.045	0.003	98	1698785	7.06	
237 Lidocaine	1		0.195				ND	
13 1,4-Dioxane	88		2.502				ND	
14 N-Nitrosodimethylamine	42		3.020				ND	
15 Pyridine	52		3.052				ND	
19 2-Picoline	93		4.095				ND	
20 N-Nitrosomethylethylamine	88		4.250				ND	
22 Methyl methanesulfonate	80		4.565				ND	
24 Acrylamide	71		4.592				ND	
18 1-Methylcyclopentanol	71		4.615				ND	
28 N-Nitrosodiethylamine	102		4.955				ND	
21 2-Chlorobenzotrifluoride	180		5.160				ND	
23 4-Chlorobenzotrifluoride	180		5.229				ND	
30 Ethyl methanesulfonate	79		5.244				ND	
25 n,n'-Dimethylacetamide	87		5.276				ND	
26 4-Chloropyridine	78		5.448				ND	
196 CBF-400	214		5.530				ND	
35 Benzaldehyde	77		5.542				ND	U
27 3-Chloropyridine	78		5.554				ND	
37 Phenol	94		5.633				ND	
29 3-Chlorobenzotrifluoride	180		5.635				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
36 Aniline	93		5.643				ND	
38 Pentachloroethane	167		5.676				ND	U
39 Bis(2-chloroethyl)ether	93		5.686				ND	
40 2-Chlorophenol	128		5.750				ND	
41 n-Decane	57	5.775	5.779	-0.002	97	4439	0.0466	
43 1,3-Dichlorobenzene	146	5.881	5.880	0.003	93	695	0.006635	
31 2-Chloropyridine	78		5.912				ND	
257 CBF-500	161		5.934				ND	
44 1,4-Dichlorobenzene	146		5.937				ND	
45 Benzyl alcohol	108		6.049				ND	
32 2-Chlorotoluene	91		6.073				ND	
46 1,2-Dichlorobenzene	146		6.076				ND	
33 3-Chlorotoluene	91		6.106				ND	
34 4-Chlorotoluene	91		6.106				ND	
48 2-Methylphenol	108		6.145				ND	
47 Indene	115	6.154	6.153	0.003	92	3975	0.0285	
49 2,2'-oxybis[1-chloropropane]	45		6.156				ND	
50 N-Nitrosopyrrolidine	100		6.248				ND	
53 N-Nitrosodi-n-propylamine	70		6.268				ND	
52 Acetophenone	105	6.277	6.276	0.003	59	915	0.008322	
57 4-Methylphenol	108		6.279				ND	
54 N-Nitrosomorpholine	56		6.280				ND	
56 2-Toluidine	106		6.301				ND	
55 4-Methylbenzenamine	106		6.306				ND	
42 p-Fluoroaniline	111		6.360				ND	
58 Hexachloroethane	117		6.364				ND	
59 Nitrobenzene	77		6.418				ND	
61 N-Nitrosopiperidine	114		6.542				ND	
62 Isophorone	82		6.621				ND	
63 2-Chloroaniline	127		6.659				ND	
64 2-Nitrophenol	139		6.690				ND	
66 2,4-Dimethylphenol	107		6.722				ND	
67 Tetraethyl lead	237		6.755				ND	
68 o,o',o''-Triethylphosphorothioat	198		6.761				ND	
69 Bis(2-chloroethoxy)methane	93		6.786				ND	
70 Benzoic acid	105	6.800	6.853	-0.051	86	4132	4.95	
71 alpha,alpha-Dimethyl phenethylam	58		6.878				ND	
51 N-Methylaniline	106		6.894				ND	
72 2,4-Dichlorophenol	162		6.904				ND	
73 1,2,4-Trichlorobenzene	180		6.963				ND	
75 Alpha-Terpineol	59		7.028				ND	
74 Naphthalene	128	7.030	7.034	-0.002	91	2520	0.0101	
60 2,6-Dichloropyridine	112		7.065				ND	
76 4-Chloroaniline	127		7.075				ND	
77 2,6-Dichlorophenol	162		7.086				ND	
78 Hexachloropropene	213		7.108				ND	
79 Hexachlorobutadiene	225		7.134				ND	
241 5-Methyl-o-Anisidine	122		7.194				ND	
65 Benzeneacetonitrile	117		7.280				ND	
81 Quinoline	129		7.311				ND	
282 2,4-Dichlorotoluene	125		7.324				ND	
82 N-Nitrosodi-n-butylamine	84		7.338				ND	U

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
83 p-Phenylene diamine	108		7.364				ND	
84 Caprolactam	113		7.374				ND	
287 1,3,5-Trichlorobenzene	180		7.388				ND	
85 4-Chloro-3-methylphenol	107		7.486				ND	
86 Safrole, Total	162		7.525				ND	
87 2-Methylnaphthalene	142	7.612	7.611	0.003	92	5953	0.0352	
286 4-Chlorophenol	128		7.644				ND	
88 Phthalic anhydride	104		7.658				ND	
89 1-Methylnaphthalene	142	7.698	7.697	0.003	86	2640	0.0168	
90 Hexachlorocyclopentadiene	237		7.748				ND	
91 1,2,4,5-Tetrachlorobenzene	216		7.759				ND	
275 Isosafrole Peak 1	162		7.770				ND	
80 Benzeneacetic acid (TIC)	91		7.835				ND	
284 2,3-Dichlorobenzenamine	161		7.850				ND	
93 2,4,6-Trichlorophenol	196		7.855				ND	
94 2,4,5-Trichlorophenol	196		7.892				ND	
277 Isosafrole Peak 2	162		7.963				ND	
95 Isosafrole	162		7.963				ND	
96 1,1'-Biphenyl	154		7.999				ND	U
97 2-Chloronaphthalene	162		8.021				ND	
99 1-Chloronaphthalene	162		8.043				ND	
100 2-Nitroaniline	65		8.106				ND	
103 Dicyclohexylamine	138		8.166				ND	
102 1,4-Naphthoquinone	158		8.166				ND	
104 1,4-Dinitrobenzene	168		8.214				ND	
105 Dimethyl phthalate	163		8.240				ND	
106 1,3-Dinitrobenzene	168		8.282				ND	
198 NVF-400	82	8.296	8.293	0.006	0	64	0.000256	
107 2,6-Dinitrotoluene	165		8.298				ND	
258 CU-600	58	8.344	8.319	0.027	0	451	0.001802	
281 2,4,5-Trichlorotoluene	159		8.333				ND	
108 Acenaphthylene	152		8.373				ND	
109 3-Nitroaniline	138		8.448				ND	
110 Acenaphthene	153		8.517				ND	
111 2,4-Dinitrophenol	184		8.539				ND	
112 4-Nitrophenol	109		8.592				ND	
113 Pentachlorobenzene	250		8.631				ND	
114 2,4-Dinitrotoluene	165		8.640				ND	U
115 Dibenzofuran	168		8.662				ND	
116 1-Naphthylamine	143		8.721				ND	
117 2,3,5,6-Tetrachlorophenol	232		8.732				ND	
285 1,2,3,4 -Tetrachlorobenzene	216		8.743				ND	
118 2,3,4,6-Tetrachlorophenol	232		8.768				ND	
119 2-Naphthylamine	143		8.785				ND	
121 Hexadecane	57		8.822				ND	U
120 Diethyl phthalate	149		8.822				ND	
122 Thionazin	97		8.887				ND	
123 4-Chlorophenyl phenyl ether	204		8.929				ND	
124 Fluorene	166	8.948	8.945	0.003	85	603	0.003228	
125 N-Nitro-o-toluidine	152		8.951				ND	
126 4-Nitroaniline	138		8.961				ND	
128 Tributyl phosphate	99		8.983				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
127 4,6-Dinitro-2-methylphenol	198		8.987				ND	
130 N-Nitrosodiphenylamine	169		9.030				ND	
129 Diphenylamine	169		9.030				ND	
132 Azobenzene	77		9.062				ND	
131 1,2-Diphenylhydrazine	77		9.062				ND	U
134 Sulfotepp	322		9.138				ND	
278 Diallate Peak 1	86		9.256				ND	
136 Diallate	86		9.256				ND	
137 Phorate	75		9.266				ND	
135 1,3,5-Trinitrobenzene	213		9.272				ND	
138 Phenacetin	108		9.277				ND	
280 Diallate Peak 2	86		9.336				ND	
139 4-Bromophenyl phenyl ether	248		9.340				ND	
141 Dimethoate	87		9.410				ND	
140 Hexachlorobenzene	284		9.420				ND	
142 Simazine	201		9.432				ND	
143 Atrazine	200		9.458				ND	
144 4-Aminobiphenyl	169		9.560				ND	
145 Pentachlorophenol	266		9.580				ND	
148 n-Octadecane	57		9.586				ND	
146 Pentachloronitrobenzene	237		9.587				ND	
147 Pronamide	173		9.592				ND	
149 Disulfoton	88		9.699				ND	U
150 Dinoseb	211		9.710				ND	
151 Phenanthrene	178	9.755	9.753	0.004	91	2481	0.008784	
152 Anthracene	178		9.794				ND	
153 Carbazole	167		9.922				ND	
154 Alachlor	160		10.019				ND	
155 Methyl parathion	109		10.019				ND	
157 Di-n-butyl phthalate	149	10.171	10.176	-0.002	99	6473	0.0822	
158 Ethyl Parathion	97		10.335				ND	
159 4-Nitroquinoline-1-oxide	190		10.399				ND	
160 Anthraquinone	180		10.420				ND	
161 Methapyrilene	58		10.431				ND	
162 Isodrin	193		10.618				ND	
164 Fluoranthene	202	10.754	10.753	0.004	94	954	0.0219	
165 1-Hydroxyanthraquinone	224		10.783				ND	
166 Benzidine	184		10.841				ND	
288 2-Methylanthracene	192	10.930	10.921	0.011	1	74	NC	
167 Pyrene	202		10.943				ND	
276 Aramite Peak 1	185		11.002				ND	U
168 Aramite, Total	185		11.067				ND	
279 Aramite Peak 2	185		11.067				ND	U
170 p-Dimethylamino azobenzene	120		11.168				ND	
169 1,4-Dihydroxyanthraquinone	240		11.195				ND	
171 Chlorobenzilate	251		11.200				ND	
172 Famphur	218		11.435				ND	
174 Butyl benzyl phthalate	149	11.480	11.479	0.003	95	3319	0.1730	
175 9-Octadecenamide	59		11.478				ND	
173 3,3'-Dimethylbenzidine	212		11.489				ND	
176 Kepone	272		11.563				ND	
177 2-Acetylaminofluorene	181		11.761				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
178 4,4'-Methylene bis(2-chloroanil	231		12.076				ND	
181 Bis(2-ethylhexyl) phthalate	149	12.084	12.084	-0.002	93	9598	0.1965	
179 3,3'-Dichlorobenzidine	252		12.086				ND	
180 Benzo[a]anthracene	228		12.139				ND	
182 Chrysene	228		12.182				ND	
183 6-Methylchrysene	242		12.744				ND	
184 Di-n-octyl phthalate	149		12.909				ND	
185 7,12-Dimethylbenz(a)anthracene	256		13.519				ND	
186 Benzo[b]fluoranthene	252		13.555				ND	
187 Benzo[k]fluoranthene	252		13.587				ND	
192 Hexachlorophene	196		13.898				ND	
189 Benzo[a]pyrene	252		14.030				ND	
190 3-Methylcholanthrene	268		14.528				ND	U
283 Benzo[e]pyrene	252	15.171	15.216	-0.043	51	373	NC	
191 Dibenz[a,h]acridine	279		15.340				ND	U
193 Indeno[1,2,3-cd]pyrene	276		15.703				ND	
194 Dibenz(a,h)anthracene	278		15.708				ND	
195 Benzo[g,h,i]perylene	276		16.103				ND	
197 Dibenzo[a,e]pyrene	302		19.213				ND	
199 CAG-800	149		19.675				ND	
256 CN-500	112		19.994				ND	
295 4-Bromofluorobenzene TIC	1		0.000				ND	
292 Ethylene Dibromide TIC	1		0.000				ND	
290 1,3-Dibromobenzene TIC	1		0.000				ND	
297 Fluorobenzene TIC	1		0.000				ND	
301 3-Amino-4-Chlorobenzotrifluoride	1		0.000				ND	
300 1-Bromo-4-ethylbenzene TIC	1		0.000				ND	
293 3-Nitro-4-Chlorobenzotrifluoride	1		0.000				ND	
298 2-Bromopyridine TIC	1		0.000				ND	
294 3'-Bromoacetophenone TIC	1		0.000				ND	
302 1-Bromo-2-chloroethane TIC	1		0.000				ND	
291 1,4-Dibromobenzene TIC	1		0.000				ND	
299 1-Bromo-3-fluorobenzene TIC	1		0.000				ND	
296 1,2-dichloro-4-(trifluoromethyl)	1		0.000				ND	
303 Carbofuran	1		0.000				ND	
206 2,4-Toluene diamine	1		0.195				ND	
233 4-Chlorobenzotrifluoride TIC	1		0.195				ND	
238 Phenylacetic Acid	1		0.195				ND	
210 Dibenzo[a,h]pyrene	1		0.195				ND	
240 Prometryn (TIC)	1		0.195				ND	
220 Tetramethyl lead TIC	1		0.195				ND	
215 trans Azobenzene (TIC)	1		0.195				ND	
225 Dibenz(a,i)pyrene	1		0.195				ND	
212 Hexamethyldisiloxane TIC	1		0.195				ND	
219 Photomirex TIC	1		0.195				ND	
230 2,3-Dichlorophenol	1		0.195				ND	
204 2,6-Dichlorotoluene TIC	1		0.195				ND	
201 7H-Dibenzo[c,g]carbazole	1		0.195				ND	
218 3-Chlorobenzotrifluoride TIC	1		0.195				ND	
211 Pendimethalin (TIC)	1		0.195				ND	
244 Pendimethalin	1		0.195				ND	
227 Dibenz[a,j]acridine	279		0.195				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
247 Benefin (TIC)	1		0.195				ND	
224 1-Bromopropane	1		0.195				ND	
222 2-Chlorobenzotrifluoride TIC	1		0.195				ND	
205 Phenylmercaptan	110		0.195				ND	
254 4,4'-DDD	235		11.302				ND	
S 259 Chlorobenzotrifluoride N.O.S	1		0.195				ND	
S 260 Chlorotoluene N.O.S	1		0.195				ND	
S 261 Total Cresols	1		0.195				ND	
S 263 3-Methylphenol	1		0.195				ND	
S 264 EPH Adjustment 1	1		0.195				ND	
S 262 3 & 4 Methylphenol	108		0.195				ND	
T 243 2,4-Xylidine TIC	121		0.195				ND	
T 226 Tris(2,3-dibromopropyl)phosphate	201		0.195				ND	
T 242 1,3-phenylenediamine TIC	108		0.195				ND	
T 231 1-Methylnaphthalene (TIC)	142		7.767				ND	
T 304 2-Ethoxyethanol TIC	59	9.076	9.485	-0.406	41	9980	0.0399	
T 156 2,3,7,8-TCDD	322	12.730	12.727	0.006	1	36	0.000253	
T 306 o-Anisidine TIC	80	14.098	14.166	-0.064	19	1500	0.005993	
T 274 2-Aminopyridine TIC	99	14.717	15.096	-0.374	0	37099	0.5185	
T 305 5-Methyl-o-Anisidine TIC	122	14.701	15.775	-1.068	1	288	0.001151	
T 213 4,4'-Methylene bis(2-chloroaniline)	231	16.122	16.063	0.064	1	72	0.000288	
T 289 2,3,7,8-TCDD TIC	322		0.000				ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

U - Marked Undetected

Reagents:

MB_LLIS_WRK_00208 Amount Added: 20.00 Units: uL Run Reagent

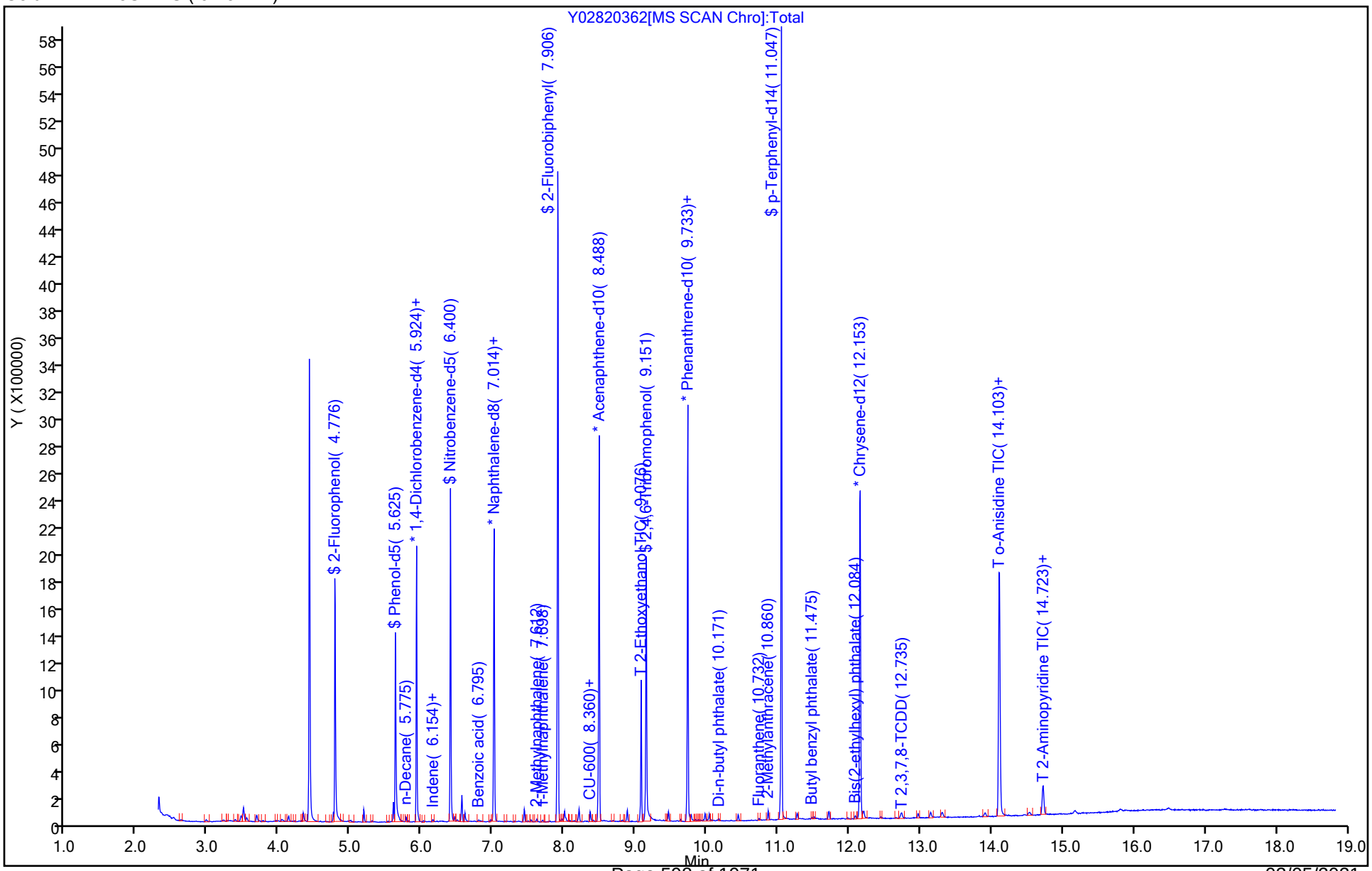
Report Date: 02-Mar-2021 16:02:22 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96898.b\Y02820362.D

Injection Date:	01-Mar-2021 16:16:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	480-181441-C-8-B	Lab Sample ID:	480-181441-8	Worklist Smp#:	16
Client ID:	MW-2S-022321				
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Client Sample ID: MW-2D-022321 Lab Sample ID: 480-181441-9

Matrix: Water Lab File ID: Y02820420.D

Analysis Method: 8270D Date Collected: 02/23/2021 16:20

Extract. Method: 3510C Date Extracted: 02/26/2021 09:50

Sample wt/vol: 210(mL) Date Analyzed: 03/03/2021 15:47

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

Injection Volume: 2(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 571002 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		6.0	0.49
208-96-8	Acenaphthylene	ND		6.0	0.45
120-12-7	Anthracene	ND		6.0	0.33
56-55-3	Benzo[a]anthracene	ND		6.0	0.43
50-32-8	Benzo[a]pyrene	ND		6.0	0.56
205-99-2	Benzo[b]fluoranthene	ND		6.0	0.40
191-24-2	Benzo[g,h,i]perylene	ND		6.0	0.42
207-08-9	Benzo[k]fluoranthene	ND		6.0	0.87
218-01-9	Chrysene	ND		6.0	0.39
53-70-3	Dibenz(a,h)anthracene	ND		6.0	0.50
206-44-0	Fluoranthene	ND		6.0	0.48
86-73-7	Fluorene	ND		6.0	0.43
193-39-5	Indeno[1,2,3-cd]pyrene	ND		6.0	0.56
91-20-3	Naphthalene	ND		6.0	0.90
85-01-8	Phenanthrene	ND		6.0	0.52
129-00-0	Pyrene	ND		6.0	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	101		48-120
4165-60-0	Nitrobenzene-d5 (Surr)	105		46-120
1718-51-0	p-Terphenyl-d14 (Surr)	93		60-148

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210302-96924.b\Y02820420.D
Lims ID: 480-181441-D-9-A
Client ID: MW-2D-022321
Sample Type: Client
Inject. Date: 03-Mar-2021 15:47:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 480-0096924-010
Operator ID: JM Instrument ID: HP5973Y

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20210302-96924.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 04-Mar-2021 13:35:53 Calib Date: 02-Mar-2021 17:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96899.b\Y02820384.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1672

First Level Reviewer: marshallj Date: 04-Mar-2021 13:14:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.899	5.897	0.002	95	290538	4.00	
* 2 Naphthalene-d8	136	6.983	6.986	-0.003	100	1017923	4.00	
* 3 Acenaphthene-d10	164	8.458	8.461	-0.003	95	596386	4.00	
* 4 Phenanthrene-d10	188	9.702	9.706	-0.004	97	1095061	4.00	
* 5 Chrysene-d12	240	12.112	12.115	-0.003	99	1002018	4.00	
* 6 Perylene-d12	264	14.051	14.049	0.002	98	997947	4.00	
$ 9 Nitrobenzene-d5	82	6.374	6.377	-0.003	90	713165	8.36	
$ 10 2-Fluorobiphenyl	172	7.881	7.884	-0.003	99	1633963	8.10	
$ 12 p-Terphenyl-d14	244	11.016	11.014	0.002	98	1808721	7.41	
74 Naphthalene	128		7.008				ND	
108 Acenaphthylene	152		8.343				ND	
110 Acenaphthene	153		8.488				ND	
124 Fluorene	166		8.920				ND	
151 Phenanthrene	178	9.724	9.722	0.002	91	4945	0.0170	
152 Anthracene	178		9.764				ND	
164 Fluoranthene	202	10.723	10.721	0.002	94	1562	0.0238	
167 Pyrene	202	10.915	10.913	0.002	64	840	0.002712	
180 Benzo[a]anthracene	228		12.099				ND	
182 Chrysene	228		12.142				ND	
186 Benzo[b]fluoranthene	252		13.504				ND	
187 Benzo[k]fluoranthene	252		13.536				ND	
189 Benzo[a]pyrene	252		13.969				ND	
193 Indeno[1,2,3-cd]pyrene	276		15.641				ND	
194 Dibenz(a,h)anthracene	278		15.646				ND	
195 Benzo[g,h,i]perylene	276		16.036				ND	

QC Flag Legend
Processing Flags

Reagents:

MB_LLIS_WRK_00208 Amount Added: 20.00 Units: uL Run Reagent

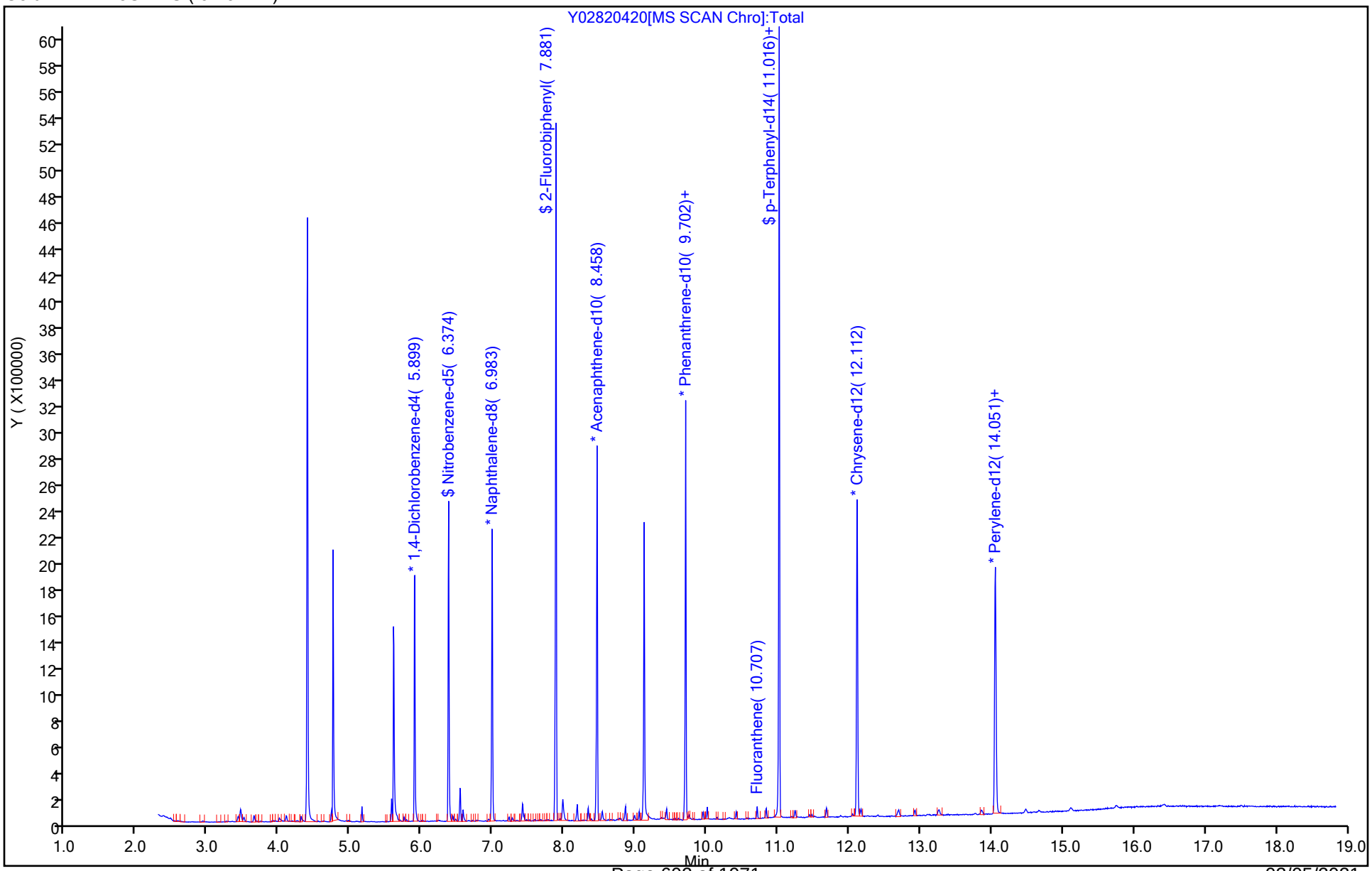
Report Date: 04-Mar-2021 13:36:12 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210302-96924.b\Y02820420.D

Injection Date:	03-Mar-2021 15:47:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	480-181441-D-9-A	Lab Sample ID:	480-181441-9	Worklist Smp#:	10
Client ID:	MW-2D-022321				
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Client Sample ID: MW-4S-022221 Lab Sample ID: 480-181441-10

Matrix: Water Lab File ID: Y02820421.D

Analysis Method: 8270D Date Collected: 02/22/2021 14:20

Extract. Method: 3510C Date Extracted: 02/26/2021 09:50

Sample wt/vol: 230(mL) Date Analyzed: 03/03/2021 16:17

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

Injection Volume: 2(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 571002 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		5.4	0.45
208-96-8	Acenaphthylene	ND		5.4	0.41
120-12-7	Anthracene	ND		5.4	0.30
56-55-3	Benzo[a]anthracene	ND		5.4	0.39
50-32-8	Benzo[a]pyrene	ND		5.4	0.51
205-99-2	Benzo[b]fluoranthene	ND		5.4	0.37
191-24-2	Benzo[g,h,i]perylene	ND		5.4	0.38
207-08-9	Benzo[k]fluoranthene	ND		5.4	0.79
218-01-9	Chrysene	ND		5.4	0.36
53-70-3	Dibenz(a,h)anthracene	ND		5.4	0.46
206-44-0	Fluoranthene	ND		5.4	0.43
86-73-7	Fluorene	ND		5.4	0.39
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.4	0.51
91-20-3	Naphthalene	ND		5.4	0.83
85-01-8	Phenanthrene	ND		5.4	0.48
129-00-0	Pyrene	ND		5.4	0.37

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	101		48-120
4165-60-0	Nitrobenzene-d5 (Surr)	102		46-120
1718-51-0	p-Terphenyl-d14 (Surr)	88		60-148

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210302-96924.b\Y02820421.D
Lims ID: 480-181441-D-10-A
Client ID: MW-4S-022221
Sample Type: Client
Inject. Date: 03-Mar-2021 16:17:30 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 480-0096924-011
Operator ID: JM Instrument ID: HP5973Y

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20210302-96924.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 04-Mar-2021 13:35:53 Calib Date: 02-Mar-2021 17:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96899.b\Y02820384.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1672

First Level Reviewer: marshallj Date: 04-Mar-2021 13:15:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.894	5.897	-0.003	96	299806	4.00	
* 2 Naphthalene-d8	136	6.984	6.986	-0.002	100	1030897	4.00	
* 3 Acenaphthene-d10	164	8.458	8.461	-0.003	96	603526	4.00	
* 4 Phenanthrene-d10	188	9.703	9.706	-0.003	97	1103718	4.00	
* 5 Chrysene-d12	240	12.112	12.115	-0.003	99	999639	4.00	
* 6 Perylene-d12	264	14.052	14.049	0.003	97	999837	4.00	
$ 9 Nitrobenzene-d5	82	6.375	6.377	-0.002	90	703774	8.15	
$ 10 2-Fluorobiphenyl	172	7.881	7.884	-0.003	100	1656896	8.11	
$ 12 p-Terphenyl-d14	244	11.017	11.014	0.003	98	1717512	7.05	
74 Naphthalene	128		7.008				ND	
108 Acenaphthylene	152		8.343				ND	
110 Acenaphthene	153		8.488				ND	
124 Fluorene	166		8.920				ND	
151 Phenanthrene	178		9.722				ND	
152 Anthracene	178		9.764				ND	
164 Fluoranthene	202	10.723	10.721	0.002	50	1984	0.0251	
167 Pyrene	202	10.916	10.913	0.003	87	1711	0.005537	
180 Benzo[a]anthracene	228		12.099				ND	
182 Chrysene	228		12.142				ND	
186 Benzo[b]fluoranthene	252		13.504				ND	
187 Benzo[k]fluoranthene	252		13.536				ND	
189 Benzo[a]pyrene	252		13.969				ND	
193 Indeno[1,2,3-cd]pyrene	276		15.641				ND	
194 Dibenz(a,h)anthracene	278		15.646				ND	
195 Benzo[g,h,i]perylene	276		16.036				ND	

QC Flag Legend
Processing Flags

Reagents:

MB_LLIS_WRK_00208 Amount Added: 20.00 Units: uL Run Reagent

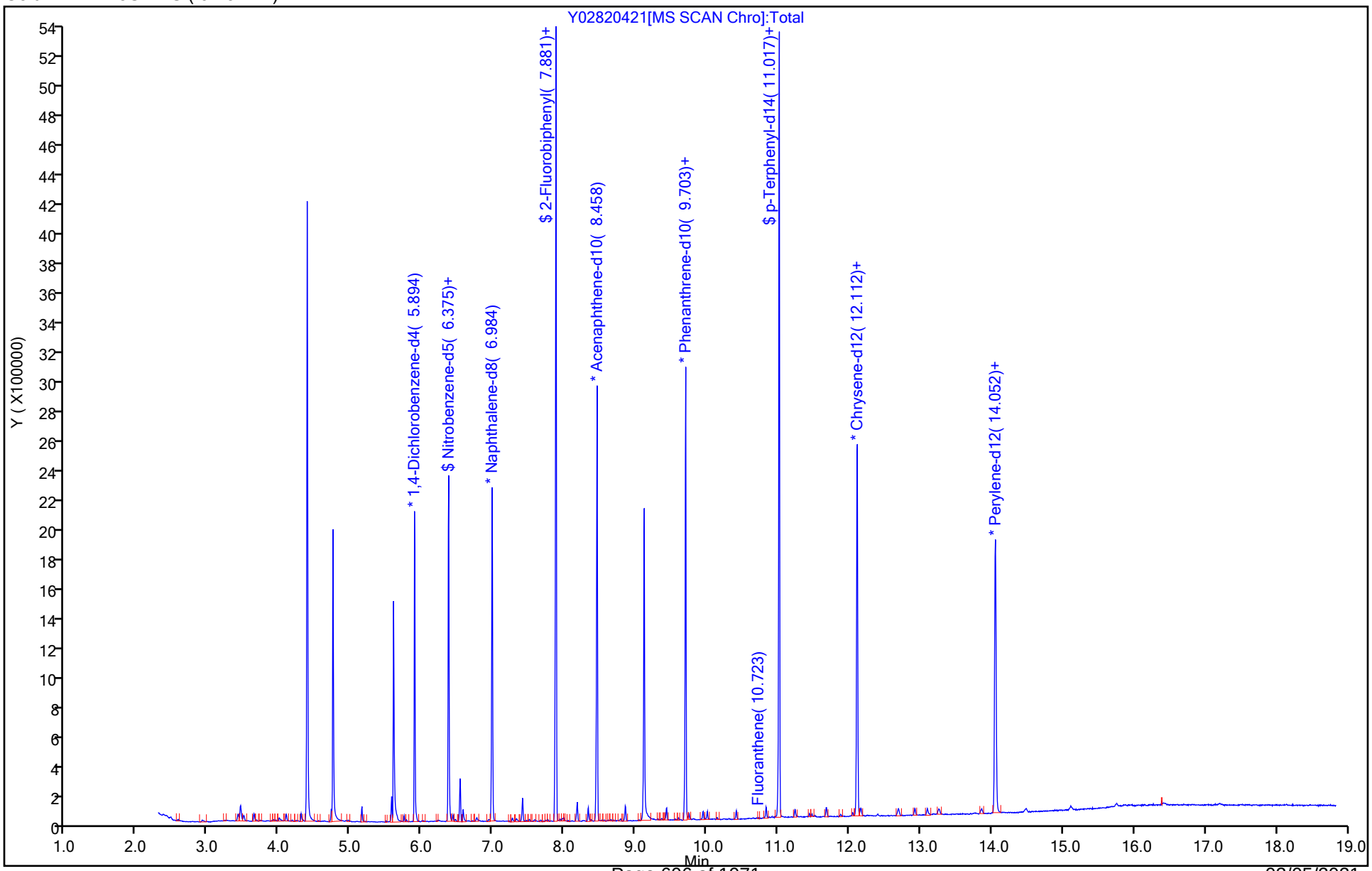
Report Date: 04-Mar-2021 13:36:14 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210302-96924.b\Y02820421.D

Injection Date:	03-Mar-2021 16:17:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	480-181441-D-10-A	Lab Sample ID:	480-181441-10	Worklist Smp#:	11
Client ID:	MW-4S-022221				
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Client Sample ID: MW-6S-022221 Lab Sample ID: 480-181441-11

Matrix: Water Lab File ID: Y02820422.D

Analysis Method: 8270D Date Collected: 02/22/2021 13:20

Extract. Method: 3510C Date Extracted: 02/26/2021 09:50

Sample wt/vol: 230(mL) Date Analyzed: 03/03/2021 16:46

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

Injection Volume: 2(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 571002 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		5.4	0.45
208-96-8	Acenaphthylene	ND		5.4	0.41
120-12-7	Anthracene	ND		5.4	0.30
56-55-3	Benzo[a]anthracene	ND		5.4	0.39
50-32-8	Benzo[a]pyrene	ND		5.4	0.51
205-99-2	Benzo[b]fluoranthene	ND		5.4	0.37
191-24-2	Benzo[g,h,i]perylene	ND		5.4	0.38
207-08-9	Benzo[k]fluoranthene	ND		5.4	0.79
218-01-9	Chrysene	ND		5.4	0.36
53-70-3	Dibenz(a,h)anthracene	ND		5.4	0.46
206-44-0	Fluoranthene	ND		5.4	0.43
86-73-7	Fluorene	ND		5.4	0.39
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.4	0.51
91-20-3	Naphthalene	ND		5.4	0.83
85-01-8	Phenanthrene	ND		5.4	0.48
129-00-0	Pyrene	ND		5.4	0.37

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	100		48-120
4165-60-0	Nitrobenzene-d5 (Surr)	101		46-120
1718-51-0	p-Terphenyl-d14 (Surr)	92		60-148

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210302-96924.b\Y02820422.D
Lims ID: 480-181441-C-11-A
Client ID: MW-6S-022221
Sample Type: Client
Inject. Date: 03-Mar-2021 16:46:30 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 480-0096924-012
Operator ID: JM Instrument ID: HP5973Y

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20210302-96924.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 04-Mar-2021 13:35:53 Calib Date: 02-Mar-2021 17:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96899.b\Y02820384.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1672

First Level Reviewer: marshallj Date: 04-Mar-2021 13:17:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.894	5.897	-0.003	96	289704	4.00	
* 2 Naphthalene-d8	136	6.984	6.986	-0.002	99	1040166	4.00	
* 3 Acenaphthene-d10	164	8.459	8.461	-0.002	96	593423	4.00	
* 4 Phenanthrene-d10	188	9.703	9.706	-0.003	96	1122546	4.00	
* 5 Chrysene-d12	240	12.107	12.115	-0.008	99	1027807	4.00	
* 6 Perylene-d12	264	14.052	14.049	0.003	98	1008923	4.00	
$ 9 Nitrobenzene-d5	82	6.375	6.377	-0.002	90	700678	8.04	
$ 10 2-Fluorobiphenyl	172	7.882	7.884	-0.002	99	1601283	7.97	
$ 12 p-Terphenyl-d14	244	11.017	11.014	0.003	98	1845042	7.37	
74 Naphthalene	128	7.005	7.008	-0.003	90	2474	0.009578	
108 Acenaphthylene	152		8.343				ND	
110 Acenaphthene	153		8.488				ND	
124 Fluorene	166		8.920				ND	
151 Phenanthrene	178	9.725	9.722	0.003	94	7264	0.0243	
152 Anthracene	178	9.767	9.764	0.003	90	1646	0.0207	
164 Fluoranthene	202	10.724	10.721	0.003	98	10300	0.0509	
167 Pyrene	202	10.916	10.913	0.003	95	8870	0.0279	
180 Benzo[a]anthracene	228		12.099				ND	U
182 Chrysene	228	12.145	12.142	0.003	91	5195	-0.000379	
186 Benzo[b]fluoranthene	252	13.518	13.504	0.014	94	5263	0.0491	
187 Benzo[k]fluoranthene	252	13.544	13.536	0.008	90	3959	0.0255	M
189 Benzo[a]pyrene	252	13.982	13.969	0.013	74	4375	0.0608	
193 Indeno[1,2,3-cd]pyrene	276	15.670	15.641	0.029	79	3411	0.0414	
194 Dibenz(a,h)anthracene	278		15.646				ND	
195 Benzo[g,h,i]perylene	276	16.066	16.036	0.030	93	3885	0.0412	

QC Flag Legend
Processing Flags

Review Flags
M - Manually Integrated
U - Marked Undetected

Reagents:

MB_LLIS_WRK_00208 Amount Added: 20.00 Units: uL Run Reagent

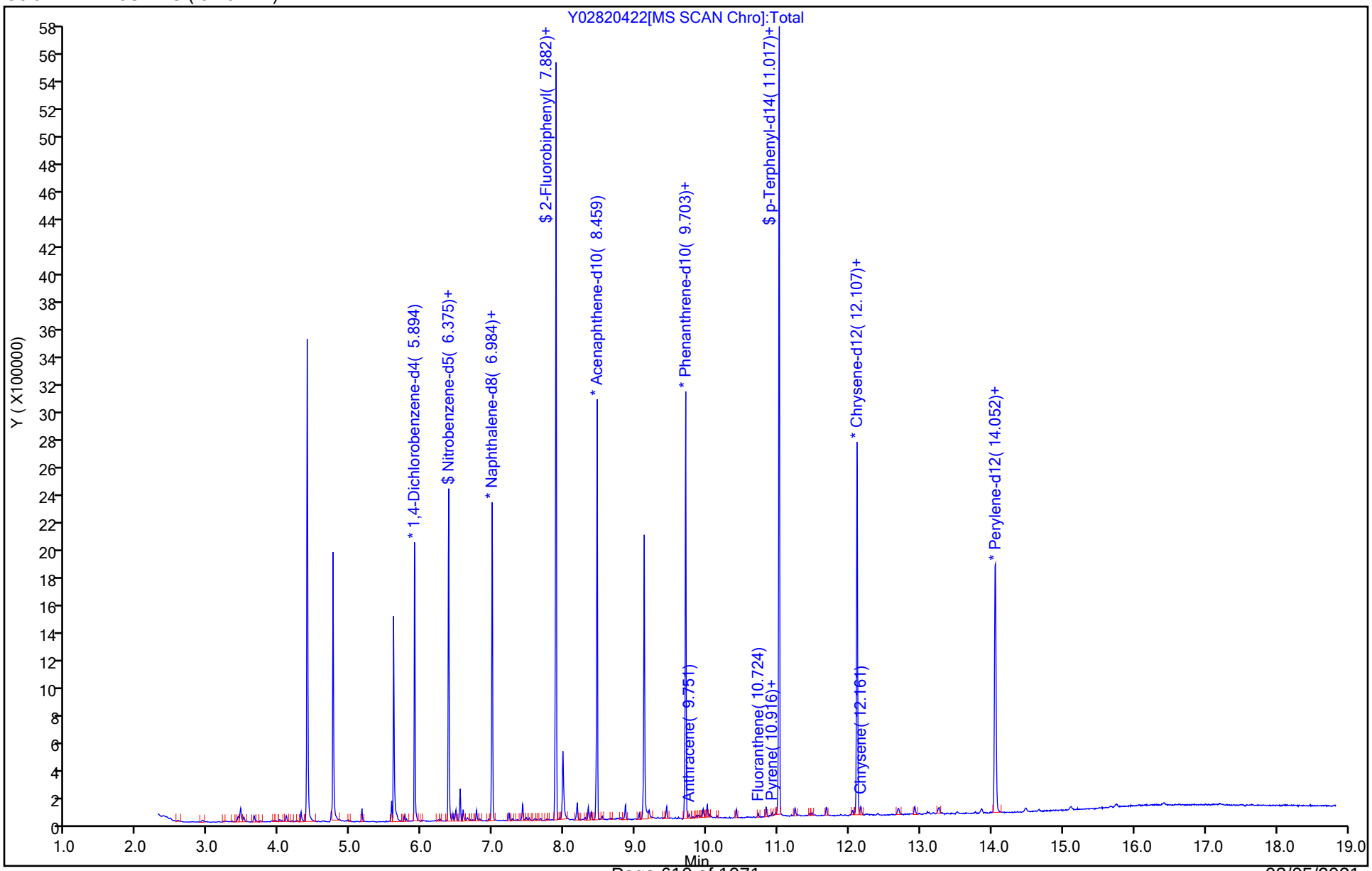
Report Date: 04-Mar-2021 13:36:15 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210302-96924.b\Y02820422.D

Injection Date:	03-Mar-2021 16:46:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	480-181441-C-11-A	Lab Sample ID:	480-181441-11	Worklist Smp#:	12
Client ID:	MW-6S-022221				
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

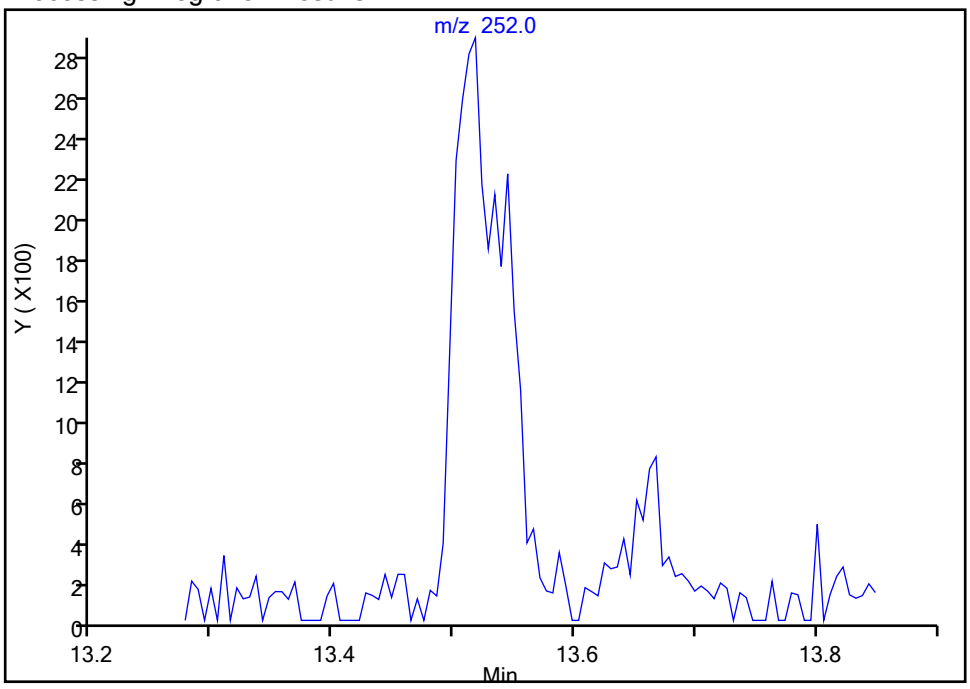
Data File:	\\chromfs\Buffalo\ChromData\HP5973Y\20210302-96924.b\Y02820422.D				
Injection Date:	03-Mar-2021 16:46:30	Instrument ID:	HP5973Y		
Lims ID:	480-181441-C-11-A	Lab Sample ID:	480-181441-11		
Client ID:	MW-6S-022221				
Operator ID:	JM	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

187 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

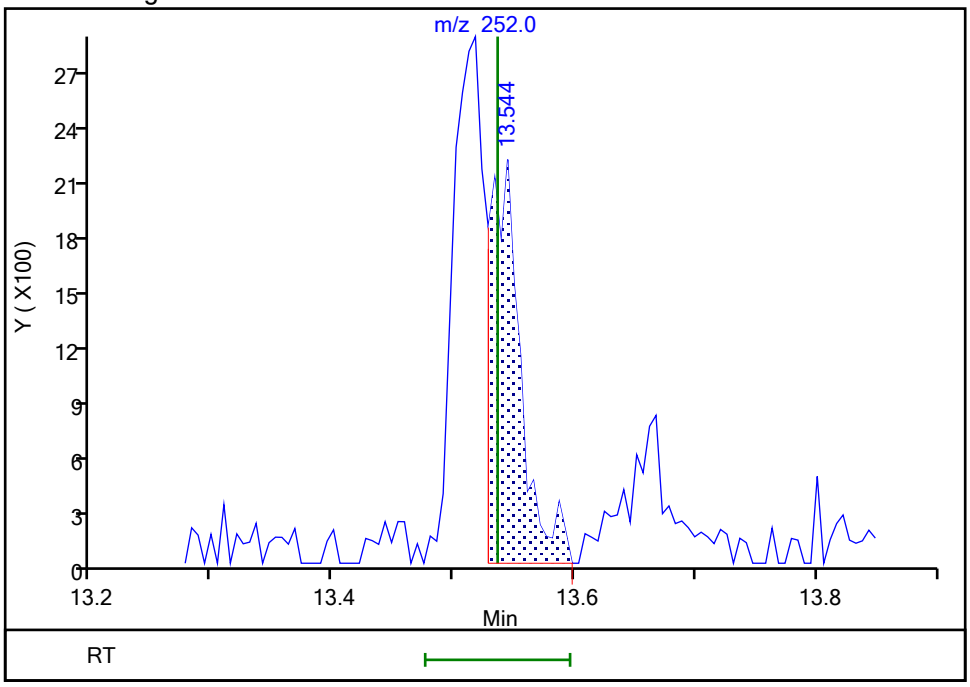
Not Detected
Expected RT: 13.54

Processing Integration Results



Manual Integration Results

RT: 13.54
Area: 3959
Amount: 0.025484
Amount Units: ng/uL



Reviewer: marshallj, 04-Mar-2021 13:16:46
Audit Action: Split an Integrated Peak Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Client Sample ID: TMW-2D-022421 Lab Sample ID: 480-181441-12

Matrix: Water Lab File ID: Y02820423.D

Analysis Method: 8270D Date Collected: 02/24/2021 10:20

Extract. Method: 3510C Date Extracted: 02/26/2021 09:50

Sample wt/vol: 230(mL) Date Analyzed: 03/03/2021 17:16

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

Injection Volume: 2(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 571002 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		5.4	0.45
208-96-8	Acenaphthylene	ND		5.4	0.41
120-12-7	Anthracene	ND		5.4	0.30
56-55-3	Benzo[a]anthracene	ND		5.4	0.39
50-32-8	Benzo[a]pyrene	ND		5.4	0.51
205-99-2	Benzo[b]fluoranthene	ND		5.4	0.37
191-24-2	Benzo[g,h,i]perylene	ND		5.4	0.38
207-08-9	Benzo[k]fluoranthene	ND		5.4	0.79
218-01-9	Chrysene	ND		5.4	0.36
53-70-3	Dibenz(a,h)anthracene	ND		5.4	0.46
206-44-0	Fluoranthene	ND		5.4	0.43
86-73-7	Fluorene	ND		5.4	0.39
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.4	0.51
91-20-3	Naphthalene	ND		5.4	0.83
85-01-8	Phenanthrene	ND		5.4	0.48
129-00-0	Pyrene	ND		5.4	0.37

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	103		48-120
4165-60-0	Nitrobenzene-d5 (Surr)	104		46-120
1718-51-0	p-Terphenyl-d14 (Surr)	93		60-148

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210302-96924.b\Y02820423.D
Lims ID: 480-181441-C-12-A
Client ID: TMW-2D-022421
Sample Type: Client
Inject. Date: 03-Mar-2021 17:16:30 ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 480-0096924-013
Operator ID: JM Instrument ID: HP5973Y

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20210302-96924.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 04-Mar-2021 13:35:53 Calib Date: 02-Mar-2021 17:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96899.b\Y02820384.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1672

First Level Reviewer: marshallj Date: 04-Mar-2021 13:19:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.895	5.897	-0.002	97	289088	4.00	
* 2 Naphthalene-d8	136	6.984	6.986	-0.002	100	1050945	4.00	
* 3 Acenaphthene-d10	164	8.459	8.461	-0.002	96	600472	4.00	
* 4 Phenanthrene-d10	188	9.704	9.706	-0.002	96	1121678	4.00	
* 5 Chrysene-d12	240	12.113	12.115	-0.002	99	1001634	4.00	
* 6 Perylene-d12	264	14.052	14.049	0.003	97	992789	4.00	
$ 9 Nitrobenzene-d5	82	6.375	6.377	-0.002	90	730304	8.29	
$ 10 2-Fluorobiphenyl	172	7.882	7.884	-0.002	99	1673883	8.24	
$ 12 p-Terphenyl-d14	244	11.018	11.014	0.004	98	1812682	7.43	
74 Naphthalene	128	7.006	7.008	-0.002	53	4201	0.0161	
108 Acenaphthylene	152	8.347	8.343	0.004	89	977	0.003952	
110 Acenaphthene	153		8.488				ND	
124 Fluorene	166	8.918	8.920	-0.002	52	905	0.004594	
151 Phenanthrene	178	9.725	9.722	0.003	94	7240	0.0243	
152 Anthracene	178		9.764				ND	U
164 Fluoranthene	202	10.724	10.721	0.003	97	8939	0.0467	
167 Pyrene	202	10.916	10.913	0.003	97	8522	0.0275	
180 Benzo[a]anthracene	228		12.099				ND	
182 Chrysene	228		12.142				ND	
186 Benzo[b]fluoranthene	252	13.512	13.504	0.008	77	5025	0.0486	M
187 Benzo[k]fluoranthene	252	13.534	13.536	-0.002	1	3335	0.0236	M
189 Benzo[a]pyrene	252	13.988	13.969	0.019	77	3073	0.0560	
193 Indeno[1,2,3-cd]pyrene	276	15.671	15.641	0.030	94	3726	0.0425	
194 Dibenz(a,h)anthracene	278		15.646				ND	
195 Benzo[g,h,i]perylene	276	16.071	16.036	0.035	66	3351	0.0396	

QC Flag Legend

Processing Flags

Review Flags
M - Manually Integrated
U - Marked Undetected

Reagents:

MB_LLIS_WRK_00208 Amount Added: 20.00 Units: uL Run Reagent

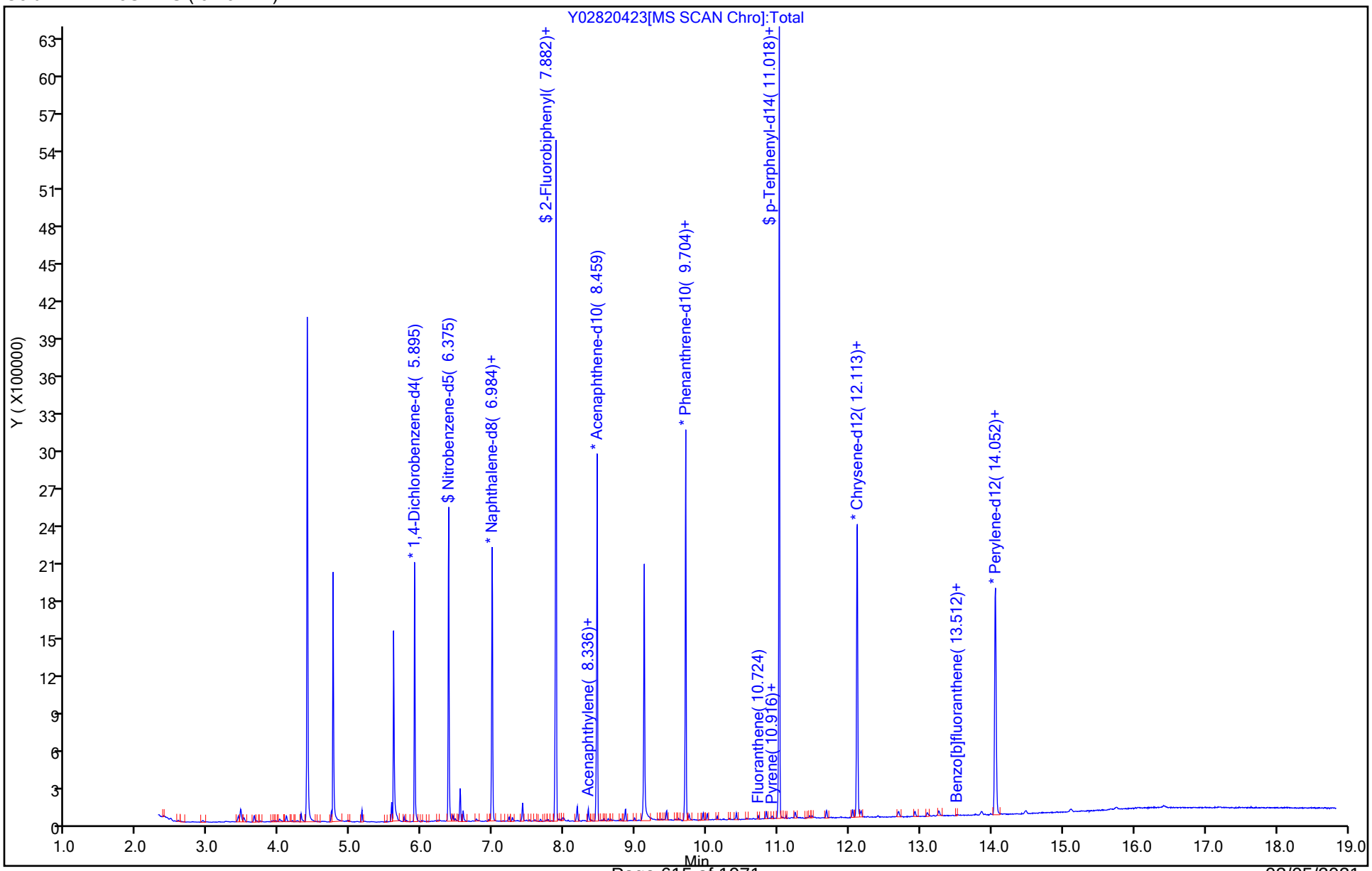
Report Date: 04-Mar-2021 13:36:17 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210302-96924.b\Y02820423.D

Injection Date:	03-Mar-2021 17:16:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	480-181441-C-12-A	Lab Sample ID:	480-181441-12	Worklist Smp#:	13
Client ID:	TMW-2D-022421				
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

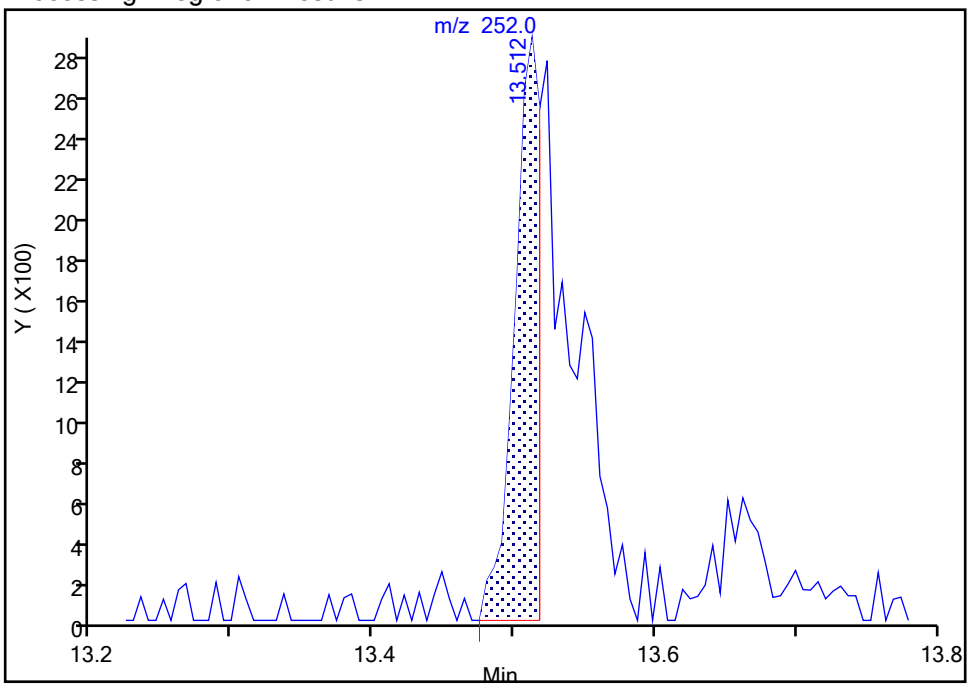
Data File:	\\chromfs\Buffalo\ChromData\HP5973Y\20210302-96924.b\Y02820423.D				
Injection Date:	03-Mar-2021 17:16:30	Instrument ID:	HP5973Y		
Lims ID:	480-181441-C-12-A	Lab Sample ID:	480-181441-12		
Client ID:	TMW-2D-022421				
Operator ID:	JM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

186 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

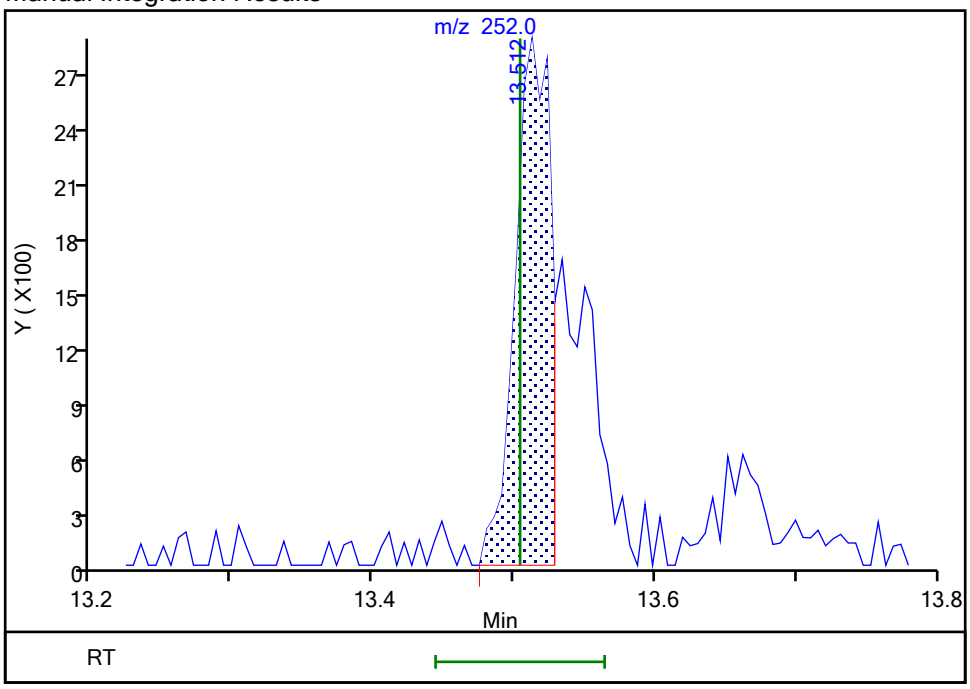
Processing Integration Results

RT: 13.51
Area: 3685
Amount: 0.044066
Amount Units: ng/uL



Manual Integration Results

RT: 13.51
Area: 5025
Amount: 0.048595
Amount Units: ng/uL



Reviewer: marshallj, 04-Mar-2021 13:18:25

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

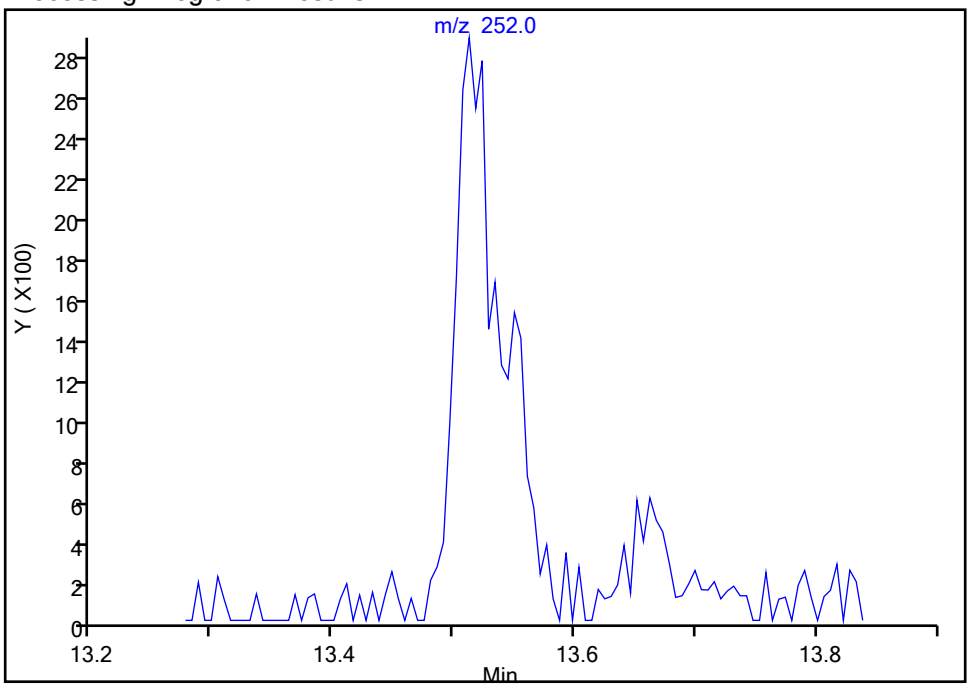
Data File:	\\chromfs\Buffalo\ChromData\HP5973Y\20210302-96924.b\Y02820423.D				
Injection Date:	03-Mar-2021 17:16:30	Instrument ID:	HP5973Y		
Lims ID:	480-181441-C-12-A	Lab Sample ID:	480-181441-12		
Client ID:	TMW-2D-022421				
Operator ID:	JM	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

187 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

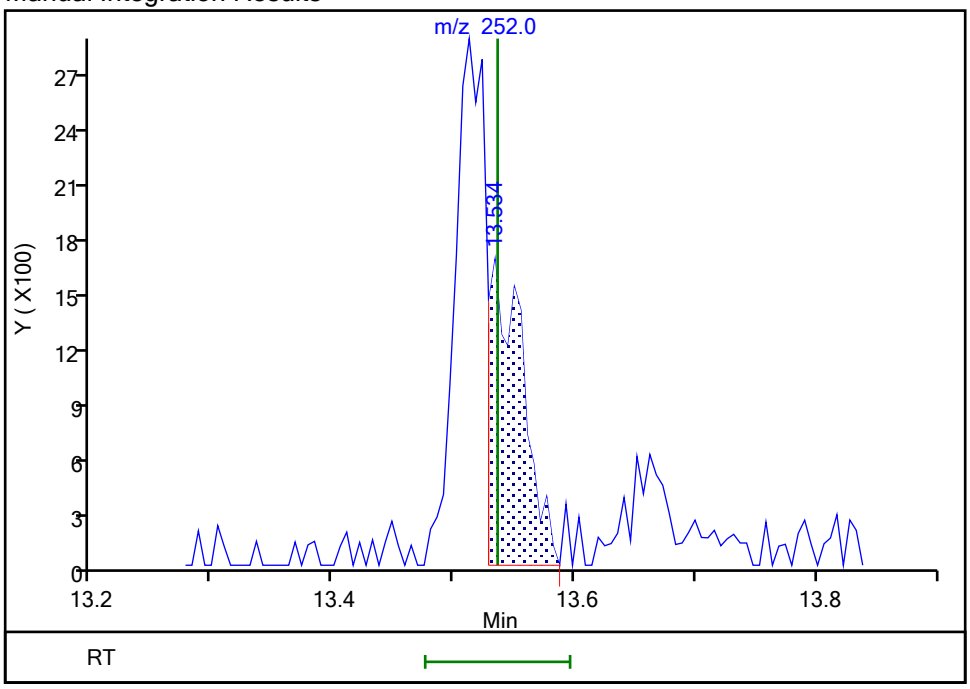
Not Detected
Expected RT: 13.54

Processing Integration Results



Manual Integration Results

RT: 13.53
Area: 3335
Amount: 0.023561
Amount Units: ng/uL



Reviewer: marshallj, 04-Mar-2021 13:18:39
Audit Action: Split an Integrated Peak Audit Reason: Assign Peak

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 569943

SDG No.:

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/18/2021 12:07 Calibration End Date: 02/18/2021 15:30 Calibration ID: 41110

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-569943/3	Y02820281.D
Level 2	IC 480-569943/4	Y02820282.D
Level 3	IC 480-569943/5	Y02820283.D
Level 4	IC 480-569943/6	Y02820284.D
Level 5	ICIS 480-569943/7	Y02820285.D
Level 6	IC 480-569943/8	Y02820286.D
Level 7	IC 480-569943/9	Y02820287.D
Level 8	IC 480-569943/10	Y02820288.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	0.5109	0.5236 0.5038	0.5189 0.5081	0.5087	0.5195	Ave		0.5134			0.0100	1.4		20.0			
N-Nitrosodimethylamine	0.6811	0.6076 0.6666	0.6522 0.6755	0.6470	0.6792	Ave		0.6584			0.0100	3.9		20.0			
Pyridine	0.7694	0.6291 0.7738	0.7021 0.7696	0.7452	0.7612	Lin2	-0.149	0.7787			0.0100	0.4			1.0000		0.9900
Benzaldehyde	0.9672	0.9964 0.8752	1.0277 0.8382	1.0411	0.9896	Ave		0.9622			0.0100	8.0		20.0			
Phenol	1.5104	1.4376 1.5156	1.5353 1.4730	1.5537	1.5612	Ave		1.5124			0.8000	2.9		20.0			
Aniline	1.7058	1.7105 1.6522	1.7216 1.6699	1.7364	1.7619	Ave		1.7083			0.0100	2.2		20.0			
Bis(2-chloroethyl)ether	1.1607	1.1881 1.1401	1.1716 1.1539	1.1896	1.1977	Ave		1.1717			0.7000	1.8		20.0			
2-Chlorophenol	1.2550	1.1784 1.2224	1.2287 1.2520	1.2076	1.2607	Ave		1.2293			0.8000	2.4		20.0			
n-Decane	1.3032	1.3709 1.2668	1.3884 1.2534	1.3707	1.3588	Ave		1.3303			0.0100	4.1		20.0			
1,3-Dichlorobenzene	1.4373	1.4673 1.4423	1.5042 1.4235	1.4845	1.4874	Ave		1.4638			0.0100	2.1		20.0			
1,4-Dichlorobenzene	1.4604	1.4869 1.4450	1.5081 1.4499	1.4930	1.5191	Ave		1.4803			0.0100	2.0		20.0			
Benzyl alcohol	0.6771	0.4107 0.6762	0.4518 0.7018	0.5801	0.6370	Lin2	-0.154	0.6793			0.0100	6.2			0.9950		0.9900
1,2-Dichlorobenzene	1.4054	1.4348 1.3853	1.4555 1.3558	1.4287	1.4350	Ave		1.4143			0.0100	2.4		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 569943

SDG No.:

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/18/2021 12:07 Calibration End Date: 02/18/2021 15:30 Calibration ID: 41110

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Methylphenol	1.0493	1.0175 0.9369	1.0763 0.9378	1.0546	1.0941	Ave		1.0238			0.7000	6.2		20.0			
bis (2-chloroisopropyl) ether	1.5513	1.9508 1.3357	1.9363 1.2231	1.8727	1.7936	Ave		1.6662			0.0100	17.9		20.0			
Indene	1.8273	2.1961 1.6612	2.2242 1.5658	2.1609	2.0257	Ave		1.9516			0.0100	13.7		20.0			
N-Nitrosodi-n-propylamine	0.8033	0.7228 0.7790	0.7722 0.7720	0.7978	0.8053	Lin2	-0.033	0.7979			0.5000	2.2			0.9990		0.9900
Acetophenone	1.5405	1.5395 1.5057	1.5518 1.4890	1.5572	1.5719	Ave		1.5365			0.0100	1.9		20.0			
4-Methylphenol	1.0604	0.9776 1.0157	1.0516 1.0248	1.0896	1.0930	Lin2	-0.031	1.0626			0.6000	3.6			0.9980		0.9900
Hexachloroethane	0.5704	0.5451 0.5736	0.5747 0.5808	0.5576	0.5700	Ave		0.5675			0.3000	2.1		20.0			
Nitrobenzene	0.3438	0.3242 0.3433	0.3369 0.3497	0.3478	0.3431	Ave		0.3413			0.2000	2.5		20.0			
Isophorone	0.5908	0.5525 0.5844	0.5781 0.5952	0.5924	0.5967	Ave		0.5843			0.4000	2.6		20.0			
2-Nitrophenol	0.1791	0.1300 0.1846	0.1492 0.1917	0.1611	0.1732	Lin2	-0.029	0.1838			0.1000	3.7			0.9980		0.9900
2,4-Dimethylphenol	0.3289	0.2993 0.3224	0.3021 0.3272	0.3192	0.3193	Ave		0.3169			0.2000	3.7		20.0			
Bis(2-chloroethoxy)methane	0.3658	0.3647 0.3614	0.3685 0.3591	0.3597	0.3716	Ave		0.3644			0.3000	1.3		20.0			
Benzoic acid	0.1585	+++++ 0.1759	0.0502 0.1941	0.0791	0.1213	Lin1	-0.940	0.1932			0.0100	14.9			0.9910		0.9900
2,4-Dichlorophenol	0.3083	0.2576 0.3017	0.2861 0.3121	0.2902	0.3021	Lin2	-0.025	0.3086			0.2000	1.4			1.0000		0.9900
1,2,4-Trichlorobenzene	0.3605	0.3653 0.3632	0.3687 0.3654	0.3606	0.3631	Ave		0.3638			0.0100	0.8		20.0			
Naphthalene	1.0253 0.9907	1.0164 0.9283	1.0329 0.9513	1.0001	1.0011	Ave		0.9933			0.7000	3.7		20.0			
4-Chloroaniline	0.3903	0.3771 0.3923	0.3663 0.3889	0.3932	0.3929	Ave		0.3858			0.0100	2.7		20.0			
2,6-Dichlorophenol	0.2955	0.2658 0.2987	0.2867 0.3003	0.2839	0.2907	Ave		0.2888			0.0100	4.1		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 569943

SDG No.:

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/18/2021 12:07 Calibration End Date: 02/18/2021 15:30 Calibration ID: 41110

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Hexachlorobutadiene	0.2278	0.2219 0.2337	0.2274 0.2411	0.2205	0.2301	Ave		0.2289			0.0100	3.1		20.0			
Caprolactam	0.0938	0.0743 0.0925	0.0827 0.0939	0.0882	0.0917	Lin2	-0.020	0.0940			0.0100	1.0			1.0000		0.9900
4-Chloro-3-methylphenol	0.2617	0.1980 0.2636	0.2280 0.2712	0.2489	0.2602	Lin2	-0.036	0.2681			0.2000	1.3			1.0000		0.9900
2-Methylnaphthalene	0.6810 0.6954	0.6823 0.6629	0.6691 0.6669	0.6777	0.6767	Ave		0.6765			0.4000	1.5		20.0			
1-Methylnaphthalene	0.6284 0.6185	0.6521 0.6153	0.6341 0.6170	0.6315	0.6205	Ave		0.6272			0.0100	2.0		20.0			
Hexachlorocyclopentadiene	0.2854	+++++ 0.3173	0.1313 0.3206	0.1709	0.2267	Lin1	-0.259	0.3291			0.0500	12.0			0.9950		0.9900
1,2,4,5-Tetrachlorobenzene	0.6655	0.6577 0.6737	0.6676 0.6629	0.6606	0.6635	Ave		0.6645			0.0100	0.8		20.0			
2,4,6-Trichlorophenol	0.3807	0.2991 0.4005	0.3313 0.4010	0.3528	0.3616	Lin2	-0.049	0.3893			0.2000	3.6			0.9980		0.9900
2,4,5-Trichlorophenol	0.4260	0.3131 0.4231	0.3277 0.4272	0.4035	0.4288	Lin2	-0.066	0.4309			0.2000	4.4			0.9980		0.9900
Biphenyl	1.4306	1.4692 1.4443	1.5074 1.3793	1.5216	1.4297	Ave		1.4546			0.0100	3.4		20.0			
2-Chloronaphthalene	1.1524	1.1758 1.1763	1.2049 1.1441	1.1725	1.1468	Ave		1.1675			0.8000	1.8		20.0			
2-Nitroaniline	0.2943	0.2197 0.3040	0.2487 0.3057	0.2679	0.2853	Lin2	-0.043	0.3000			0.0100	2.8			0.9990		0.9900
Dimethyl phthalate	1.2492	1.1813 1.3000	1.2534 1.2692	1.2829	1.2694	Ave		1.2579			0.0100	3.0		20.0			
1,3-Dinitrobenzene	0.1116	0.0651 0.1157	0.0776 0.1129	0.0901	0.1028	Lin2	-0.026	0.1115			0.0100	6.1			0.9950		0.9900
2,6-Dinitrotoluene	0.2905	0.2223 0.2894	0.2523 0.2749	0.2757	0.2909	Lin2	-0.034	0.2906			0.2000	2.7			0.9990		0.9900
Acenaphthylene	1.4510 1.6835	1.5867 1.6806	1.7026 1.6557	1.7041	1.7089	Ave		1.6466			0.9000	5.4		20.0			
3-Nitroaniline	0.2787	0.2079 0.2942	0.2298 0.2864	0.2570	0.2783	Lin2	-0.043	0.2867			0.0100	3.3			0.9990		0.9900
Acenaphthene	1.1904 1.1358	1.1866 1.1492	1.2111 1.0626	1.1998	1.1425	Ave		1.1598			0.9000	4.2		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 569943

SDG No.:

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/18/2021 12:07 Calibration End Date: 02/18/2021 15:30 Calibration ID: 41110

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2,4-Dinitrophenol	0.1254	+++++ 0.1467	0.0406 0.1576	0.0700	0.0985	Lin1	-0.302	0.1574			0.0100	14.3			0.9900		0.9900
4-Nitrophenol	0.1238	0.0423 0.1345	0.0693 0.1411	0.0876	0.1069	Lin1	-0.130	0.1382			0.0100	13.8			0.9950		0.9900
2,4-Dinitrotoluene	0.3724	0.2521 0.3912	0.3122 0.3689	0.3338	0.3558	Lin2	-0.065	0.3781			0.2000	2.8			0.9990		0.9900
Dibenzofuran	1.6093	1.6751 1.6236	1.6849 1.5620	1.6366	1.6398	Ave		1.6331			0.8000	2.5		20.0			
2,3,4,6-Tetrachlorophenol	0.3128	0.1867 0.3234	0.2233 0.3323	0.2669	0.2795	Lin2	-0.072	0.3165			0.0100	6.0			0.9950		0.9900
Hexadecane	0.6986	0.7195 0.6941	0.7307 0.6554	0.7372	0.7153	Ave		0.7073			0.0100	3.9		20.0			
Diethyl phthalate	1.2076	1.1769 1.2301	1.2028 1.1762	1.2655	1.2269	Ave		1.2123			0.0100	2.6		20.0			
4-Chlorophenyl phenyl ether	0.6809	0.6837 0.7044	0.6881 0.6541	0.6976	0.6657	Ave		0.6821			0.4000	2.6		20.0			
Fluorene	1.2358 1.3186	1.3034 1.3106	1.3637 1.2947	1.3686	1.3021	Ave		1.3122			0.9000	3.2		20.0			
4-Nitroaniline	0.2945	0.2221 0.2957	0.2372 0.2871	0.2627	0.2777	Lin2	-0.038	0.2903			0.0100	3.5			0.9980		0.9900
4,6-Dinitro-2-methylphenol	0.1093	0.0461 0.1112	0.0638 0.1164	0.0832	0.0968	Lin2	-0.071	0.1100			0.0100	7.8			0.9920		0.9900
Diphenylamine	0.6060	0.5916 0.5767	0.6267 0.5336	0.6095	0.5886	Ave		0.5904			0.0100	5.1		20.0			
N-Nitrosodiphenylamine	0.5182	0.5058 0.4931	0.5359 0.4562	0.5212	0.5033	Ave		0.5048			0.0100	5.1		20.0			
1,2-Diphenylhydrazine	0.6545	0.6385 0.6343	0.6756 0.5982	0.6961	0.6704	Ave		0.6525			0.0100	4.9		20.0			
trans-Azobenzene	0.6545	0.6385 0.6343	0.6756 0.5982	0.6960	0.6704	Ave		0.6525			0.0100	4.9		20.0			
4-Bromophenyl phenyl ether	0.2340	0.2160 0.2365	0.2218 0.2295	0.2297	0.2275	Ave		0.2279			0.1000	3.1		20.0			
Hexachlorobenzene	0.2729	0.2558 0.2731	0.2699 0.2754	0.2714	0.2684	Ave		0.2696			0.1000	2.4		20.0			
Atrazine	0.3746	0.3468 0.3571	0.3709 0.3178	0.3663	0.3870	Ave		0.3601			0.0100	6.3		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 569943

SDG No.:

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/18/2021 12:07 Calibration End Date: 02/18/2021 15:30 Calibration ID: 41110

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Pentachlorophenol	0.1200	0.0460 0.1341	0.0606 0.1209	0.0751	0.0945	Lin1	-0.1119	0.1272			0.0500	17.4			0.9910		0.9900
n-Octadecane	0.4008	0.3920 0.3768	0.4065 0.3466	0.4037	0.4083	Ave		0.3907			0.0100	5.7		20.0			
Phenanthrene	1.1020 1.0449	1.0883 1.0178	1.1096 1.0175	1.0678	1.0662	Ave		1.0642			0.7000	3.3		20.0			
Anthracene	0.9259 1.0570	1.0185 1.0305	1.1163 0.9952	1.1170	1.0500	Lin2	-0.016	1.0630			0.7000	4.6			0.9980		0.9900
Carbazole	0.8393	0.8694 0.8155	0.9239 0.7914	0.8163	0.7840	Lin2	0.0445	0.8087			0.0100	5.0			0.9970		0.9900
Di-n-butyl phthalate	1.1482	0.9717 1.0898	1.0646 1.0495	1.1293	1.1468	Lin2	-0.068	1.1248			0.0100	4.0			0.9980		0.9900
Fluoranthene	0.9649 1.1552	1.1008 1.1163	1.1491 1.0578	1.1754	1.1683	Lin2	-0.021	1.1433			0.6000	3.8			0.9990		0.9900
Benzidine	0.4664	0.4638 0.4585	0.4798 0.4483	0.4313	0.4308	Ave		0.4541			0.0100	4.0		20.0			
Pyrene	1.2107 1.2295	1.2442 1.2171	1.2936 1.1760	1.2601	1.2607	Ave		1.2365			0.6000	2.9		20.0			
Butyl benzyl phthalate	0.5233	0.3754 0.5300	0.4443 0.5250	0.4682	0.4903	Lin2	-0.077	0.5238			0.0100	2.4			0.9990		0.9900
Bis(2-ethylhexyl) phthalate	0.7807	0.5585 0.7702	0.6555 0.7710	0.6916	0.7541	Lin2	-0.114	0.7770			0.0100	2.1			0.9990		0.9900
3,3'-Dichlorobenzidine	0.4498	0.3947 0.4512	0.4134 0.4449	0.3707	0.3913	Ave		0.4166			0.0100	7.8		20.0			
Benzo[a]anthracene	1.1636 1.1949	1.1571 1.1717	1.2238 1.2183	1.2148	1.2002	Ave		1.1931			0.8000	2.2		20.0			
Chrysene	1.3167 1.1463	1.1452 1.1624	1.2360 1.1348	1.1524	1.1387	Lin2	0.0207	1.1480			0.7000	3.0			0.9990		0.9900
Di-n-octyl phthalate	1.2435	0.7600 1.2829	0.9512 1.2610	1.0407	1.1835	Lin2	-0.267	1.2563			0.0100	4.0			0.9980		0.9900
Benzo[b]fluoranthene	0.9064 1.1732	1.0614 1.2639	1.1357 1.1986	1.1762	1.1679	Lin2	-0.038	1.1920			0.7000	3.4			0.9990		0.9900
Benzo[k]fluoranthene	1.0670 1.1347	1.1036 1.2003	1.1894 1.1720	1.1884	1.1720	Lin2	-0.014	1.1748			0.7000	2.5			0.9990		0.9900
Benzo[a]pyrene	0.6890 1.0371	0.8658 1.0613	0.9649 1.0435	0.9970	1.0460	Lin2	-0.045	1.0312			0.7000	3.7			0.9990		0.9900

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 569943

SDG No.:

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/18/2021 12:07 Calibration End Date: 02/18/2021 15:30 Calibration ID: 41110

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Indeno[1,2,3-cd]pyrene	1.0831 1.4199	1.2317 1.4705	1.3277 1.4655	1.3811	1.4038	Lin2	-0.045	1.4157			0.5000	3.9			0.9980		0.9900
Dibenz(a,h)anthracene	1.1679	0.9971 1.2304	1.1262 1.2195	1.1346	1.1729	Lin2	-0.105	1.2100			0.4000	2.0			0.9990		0.9900
Benzo[g,h,i]perylene	0.9277 1.1641	1.0274 1.1940	1.1112 1.2099	1.1631	1.1596	Lin2	-0.033	1.1688			0.5000	3.4			0.9990		0.9900
2-Fluorophenol (Surr)	1.1787	0.9329 1.1788	1.0607 1.1521	1.0754	1.1530	Lin2	-0.123	1.1749			0.0100	1.9			1.0000		0.9900
Phenol-d5 (Surr)	1.4563	1.2961 1.3982	1.4154 1.3999	1.4298	1.4629	Lin2	-0.062	1.4441			0.0100	2.6			0.9990		0.9900
Nitrobenzene-d5 (Surr)	0.3431	0.3113 0.3487	0.3249 0.3460	0.3340	0.3379	Ave		0.3351			0.0100	3.9		20.0			
2-Fluorobiphenyl	1.3357	1.3673 1.3353	1.3678 1.3355	1.3679	1.3650	Ave		1.3535			0.0100	1.2		20.0			
2,4,6-Tribromophenol (Surr)	0.1306	0.0932 0.1352	0.1077 0.1375	0.1130	0.1224	Lin2	-0.021	0.1323			0.0100	4.6			0.9970		0.9900
p-Terphenyl-d14 (Surr)	0.9617	0.9481 1.0036	0.9864 0.9749	0.9664	0.9809	Ave		0.9746			0.0100	1.8		20.0			

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

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 569943

SDG No.:

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/18/2021 12:07 Calibration End Date: 02/18/2021 15:30 Calibration ID: 41110

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-569943/3	Y02820281.D
Level 2	IC 480-569943/4	Y02820282.D
Level 3	IC 480-569943/5	Y02820283.D
Level 4	IC 480-569943/6	Y02820284.D
Level 5	ICIS 480-569943/7	Y02820285.D
Level 6	IC 480-569943/8	Y02820286.D
Level 7	IC 480-569943/9	Y02820287.D
Level 8	IC 480-569943/10	Y02820288.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dioxane	DCBd 4	Ave	318345	20856 464470	39401 606580	77752	159324	8.00	0.500 12.0	1.00 16.0	2.00	4.00
N-Nitrosodimethylamine	DCBd 4	Ave	424423	24200 614545	49523 806307	98893	208297	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Pyridine	DCBd 4	Lin2	958909	50118 1426893	106627 1837256	227818	466918	16.0	1.00 24.0	2.00 32.0	4.00	8.00
Benzaldehyde	DCBd 4	Ave	1205486	79378 1613777	156073 2001130	318283	606960	16.0	1.00 24.0	2.00 32.0	4.00	8.00
Phenol	DCBd 4	Ave	941246	57262 1397292	116576 1758351	237505	478785	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Aniline	DCBd 4	Ave	1062973	68132 1523308	130724 1993344	265422	540338	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Bis(2-chloroethyl)ether	DCBd 4	Ave	723328	47324 1051103	88966 1377434	181843	367301	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2-Chlorophenol	DCBd 4	Ave	782049	46938 1127043	93302 1494490	184586	386626	8.00	0.500 12.0	1.00 16.0	2.00	4.00
n-Decane	DCBd 4	Ave		54603	105423	209528	416703		0.500	1.00	2.00	4.00

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 569943

SDG No.:

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/18/2021 12:07 Calibration End Date: 02/18/2021 15:30 Calibration ID: 41110

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			812093	1167941	1496203			8.00	12.0	16.0		
1,3-Dichlorobenzene	DCBd 4	Ave	895680	58444 1329741	114221 1699201	226921	456154	8.00	0.500 12.0	1.00 16.0	2.00	4.00
1,4-Dichlorobenzene	DCBd 4	Ave	910069	59224 1332216	114514 1730698	228219	465890	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Benzyl alcohol	DCBd 4	Lin2	421924	16360 623415	34310 837789	88672	195368	8.00	0.500 12.0	1.00 16.0	2.00	4.00
1,2-Dichlorobenzene	DCBd 4	Ave	875788	57149 1277164	110517 1618380	218394	440073	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2-Methylphenol	DCBd 4	Ave	653900	40528 863817	81727 1119466	161211	335539	8.00	0.500 12.0	1.00 16.0	2.00	4.00
bis (2-chloroisopropyl) ether	DCBd 4	Ave	966698	77703 1231487	147031 1460038	286253	550052	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Indene	DCBd 4	Ave	5693432	437364 7657858	844461 9345792	1651539	3106201	40.0	2.50 60.0	5.00 80.0	10.0	20.0
N-Nitrosodi-n-propylamine	DCBd 4	Lin2	500573	28789 718236	58636 921539	121950	246976	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Acetophenone	DCBd 4	Ave	959982	61321 1388161	117830 1777390	238033	482085	8.00	0.500 12.0	1.00 16.0	2.00	4.00
4-Methylphenol	DCBd 4	Lin2	660798	38938 936477	79847 1223352	166554	335206	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Hexachloroethane	DCBd 4	Ave	355458	21713 528826	43639 693360	85230	174798	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Nitrobenzene	NPT	Ave	766914	44932 1133415	90041 1485666	189658	373366	8.00	0.500 12.0	1.00 16.0	2.00	4.00

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 569943

SDG No.:

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/18/2021 12:07 Calibration End Date: 02/18/2021 15:30 Calibration ID: 41110

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Isophorone	NPT	Ave	1318039	76573 1929568	154497 2528769	323001	649294	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2-Nitrophenol	NPT	Lin2	399590	18021 609440	39869 814522	87864	188492	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2,4-Dimethylphenol	NPT	Ave	733807	41476 1064613	80720 1390311	174058	347392	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Bis(2-chloroethoxy)methane	NPT	Ave	816055	50543 1193272	98473 1525865	196146	404354	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Benzoic acid	NPT	Lin1	1768164	+++++ 2904751	67025 4123544	215733	659710	40.0	+++++ 60.0	5.00 80.0	10.0	20.0
2,4-Dichlorophenol	NPT	Lin2	687706	35705 996107	76455 1326063	158235	328723	8.00	0.500 12.0	1.00 16.0	2.00	4.00
1,2,4-Trichlorobenzene	NPT	Ave	804274	50627 1199163	98529 1552510	196631	395135	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Naphthalene	NPT	Ave	32405 2210135	140854 3065211	276021 4041736	545341	1089281	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
4-Chloroaniline	NPT	Ave	870583	52259 1295432	97882 1652344	214417	427475	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2,6-Dichlorophenol	NPT	Ave	659299	36837 986355	76610 1275790	154789	316344	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Hexachlorobutadiene	NPT	Ave	508065	30750 771695	60772 1024474	120253	250331	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Caprolactam	NPT	Lin2	418557	20584 610616	44178 797674	96152	199653	16.0	1.00 24.0	2.00 32.0	4.00	8.00
4-Chloro-3-methylphenol	NPT	Lin2	583893	27439 870293	60926 1152426	135702	283078	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2-Methylnaphthalene	NPT	Ave	21523 1551171	94555 2188807	178803 2833698	369510	736265	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
1-Methylnaphthalene	NPT	Ave	19862 1379801	90372 2031749	169448 2621701	344329	675126	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Hexachlorocyclopentadiene	ANT	Lin1	374724	+++++ 599080	19847 802130	52904	144479	8.00	+++++ 12.0	1.00 16.0	2.00	4.00
1,2,4,5-Tetrachlorobenzene	ANT	Ave	873854	52777 1271901	100908 1658609	204518	422843	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2,4,6-Trichlorophenol	ANT	Lin2	499811	24004 756117	50075 1003431	109233	230435	8.00	0.500 12.0	1.00 16.0	2.00	4.00

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 569943

SDG No.:

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/18/2021 12:07 Calibration End Date: 02/18/2021 15:30 Calibration ID: 41110

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
2,4,5-Trichlorophenol	ANT	Lin2	559353	25125 798689	49538 1068932	124919	273241	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Biphenyl	ANT	Ave	1878425	117905 2726666	227848 3451016	471073	911074	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2-Chloronaphthalene	ANT	Ave	1513164	94361 2220612	182126 2862560	362988	730763	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2-Nitroaniline	ANT	Lin2	386416	17630 573932	37585 764843	82938	181778	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Dimethyl phthalate	ANT	Ave	1640205	94797 2454185	189455 3175707	397174	808903	8.00	0.500 12.0	1.00 16.0	2.00	4.00
1,3-Dinitrobenzene	NPT	Lin2	249043	9023 381923	20740 479556	49138	111830	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2,6-Dinitrotoluene	ANT	Lin2	381441	17836 546298	38132 687949	85339	185402	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Acenaphthylene	ANT	Ave	26044 2210504	127333 3172707	257359 4142650	527562	1088959	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
3-Nitroaniline	ANT	Lin2	365892	16683 555342	34739 716654	79550	177314	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Acenaphthene	ANT	Ave	21366 1491388	95224 2169558	183062 2658604	371434	728077	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
2,4-Dinitrophenol	ANT	Lin1	329329	+++++ 554081	12279 788522	43323	125503	16.0	+++++ 24.0	2.00 32.0	4.00	8.00
4-Nitrophenol	ANT	Lin1	325148	6782 507846	20955 705848	54243	136271	16.0	1.00 24.0	2.00 32.0	4.00	8.00
2,4-Dinitrotoluene	ANT	Lin2	488915	20229 738448	47191 923062	103344	226728	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Dibenzofuran	ANT	Ave	2113083	134429 3065130	254681 3908384	506673	1044974	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2,3,4,6-Tetrachlorophenol	ANT	Lin2	410650	14981 610494	33749 831398	82636	178128	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Hexadecane	ANT	Ave	917290	57742 1310453	110448 1639779	228235	455842	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Diethyl phthalate	ANT	Ave	1585665	94443 2322295	181803 2943005	391792	781811	8.00	0.500 12.0	1.00 16.0	2.00	4.00
4-Chlorophenyl phenyl ether	ANT	Ave	894102	54869 1329843	104013 1636496	215953	424199	8.00	0.500 12.0	1.00 16.0	2.00	4.00

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 569943

SDG No.:

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/18/2021 12:07 Calibration End Date: 02/18/2021 15:30 Calibration ID: 41110

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Fluorene	ANT	Ave	22181 1731371	104600 2474161	206133 3239493	423700	829777	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
4-Nitroaniline	ANT	Lin2	 386745	17827 558189	35850 718460	81322	176981	 8.00	0.500 12.0	1.00 16.0	2.00	4.00
4,6-Dinitro-2-methylphenol	PHN	Lin2	 512075	13175 784338	33935 1085764	91580	220210	 16.0	1.00 24.0	2.00 32.0	4.00	8.00
Diphenylamine	PHN	Ave	 1213893	72284 1738475	142465 2128098	286675	572416	 6.84	0.428 10.3	0.855 13.7	1.71	3.42
N-Nitrosodiphenylamine	PHN	Ave	 1213893	72284 1738475	142465 2128098	286675	572416	 8.00	0.500 12.0	1.00 16.0	2.00	4.00
1,2-Diphenylhydrazine	PHN	Ave	 1533245	91246 2236383	179603 2790506	382921	762436	 8.00	0.500 12.0	1.00 16.0	2.00	4.00
trans-Azobenzene	PHN	Ave	 1533245	91246 2236383	179603 2790506	382857	762436	 8.00	0.500 12.0	1.00 16.0	2.00	4.00
4-Bromophenyl phenyl ether	PHN	Ave	 548175	30864 833903	58960 1070661	126351	258790	 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Hexachlorobenzene	PHN	Ave	 639444	36557 962933	71762 1284451	149285	305284	 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Atrazine	ANT	Ave	 983646	55665 1348154	112136 1590299	226818	493217	 16.0	1.00 24.0	2.00 32.0	4.00	8.00
Pentachlorophenol	PHN	Lin1	 562307	13150 945747	32241 1128004	82641	214918	 16.0	1.00 24.0	2.00 32.0	4.00	8.00
n-Octadecane	PHN	Ave	 938954	56019 1328605	108067 1616863	222084	464369	 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Phenanthrene	PHN	Ave	34725 2447901	155530 3588561	295001 4746172	587375	1212651	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Anthracene	PHN	Lin2	29177 2476260	145556 3633604	296782 4642200	614411	1194264	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Carbazole	PHN	Lin2	 1966273	124244 2875477	245622 3691738	449042	891685	 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Di-n-butyl phthalate	PHN	Lin2	 2689967	138872 3842533	283038 4895721	621211	1304296	 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Fluoranthene	PHN	Lin2	30405 2706236	157316 3936106	305507 4934134	646556	1328757	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Benzidine	CRY	Ave	 2088176	122963 2983197	236245 3873629	454068	927270	 16.0	1.00 24.0	2.00 32.0	4.00	8.00

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 569943

SDG No.:

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/18/2021 12:07 Calibration End Date: 02/18/2021 15:30 Calibration ID: 41110

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Pyrene	CRY	Ave	34200 2752430	164932 3959770	318469 5081053	663385	1356864	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Butyl benzyl phthalate	CRY	Lin2	 1171434	49765 1724450	109384 2268443	246472	527756	 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Bis(2-ethylhexyl) phthalate	CRY	Lin2	 1747864	74027 2505813	161377 3331457	364079	811617	 8.00	0.500 12.0	1.00 16.0	2.00	4.00
3,3'-Dichlorobenzidine	CRY	Ave	 2013813	104647 2936188	203554 3844311	390351	842401	 16.0	1.00 24.0	2.00 32.0	4.00	8.00
Benzo[a]anthracene	CRY	Ave	32872 2674961	153380 3812159	301287 5263871	639542	1291811	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Chrysene	CRY	Lin2	37197 2566172	151807 3781863	304305 4903043	606656	1225608	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Di-n-octyl phthalate	CRY	Lin2	 2783904	100749 4173828	234173 5448414	547873	1273786	 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Benzo[b]fluoranthene	PRY	Lin2	26188 2707722	140879 4154215	280756 5467060	601137	1258408	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Benzo[k]fluoranthene	PRY	Lin2	30828 2618880	146481 3944893	294040 5345699	607380	1262784	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Benzo[a]pyrene	PRY	Lin2	19908 2393577	114918 3488089	238544 4759251	509573	1126991	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Indeno[1,2,3-cd]pyrene	PRY	Lin2	31295 3277203	163484 4832977	328235 6684150	705875	1512536	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Dibenz(a,h)anthracene	PRY	Lin2	 2695526	132349 4044135	278422 5562085	579867	1263734	 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Benzo[g,h,i]perylene	PRY	Lin2	26804 2686702	136365 3924438	274697 5518200	594461	1249495	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
2-Fluorophenol (Surr)	DCBd 4	Lin2	 734547	37157 1086815	80539 1375310	164386	353597	 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Phenol-d5 (Surr)	DCBd 4	Lin2	 907520	51623 1289118	107477 1671042	218565	448634	 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Nitrobenzene-d5 (Surr)	NPT	Ave	 765283	43141 1151429	86837 1470039	182095	367685	 8.00	0.500 12.0	1.00 16.0	2.00	4.00
2-Fluorobiphenyl	ANT	Ave	 1753874	109726 2520862	206753 3341563	423481	869833	 8.00	0.500 12.0	1.00 16.0	2.00	4.00

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 569943

SDG No.:

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/18/2021 12:07 Calibration End Date: 02/18/2021 15:30 Calibration ID: 41110

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
2,4,6-Tribromophenol (Surr)	PHN	Lin2	306077	13316 476781	28621 641409	62185	139252	8.00	0.500 12.0	1.00 16.0	2.00	4.00
p-Terphenyl-d14 (Surr)	CRY	Ave	2153051	125683 3265026	242842 4212356	508737	1055697	8.00	0.500 12.0	1.00 16.0	2.00	4.00

Curve Type Legend
Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 569943

SDG No.:

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/18/2021 12:07 Calibration End Date: 02/18/2021 15:30 Calibration ID: 41110

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-569943/3	Y02820281.D
Level 2	IC 480-569943/4	Y02820282.D
Level 3	IC 480-569943/5	Y02820283.D
Level 4	IC 480-569943/6	Y02820284.D
Level 5	ICIS 480-569943/7	Y02820285.D
Level 6	IC 480-569943/8	Y02820286.D
Level 7	IC 480-569943/9	Y02820287.D
Level 8	IC 480-569943/10	Y02820288.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
1,4-Dioxane	-1.9	2.0 -1.0	1.1	-0.9	1.2	-0.5	30	30 30	30	30	30	30
N-Nitrosodimethylamine	1.2	-7.7 2.6	-0.9	-1.7	3.2	3.4	30	30 30	30	30	30	30
Pyridine	0.2	0.0 -0.6	-0.2	0.5	0.2	0.0	30	30 30	30	30	30	30
Benzaldehyde	-9.0	3.6 -12.9	6.8	8.2	2.8	0.5	30	30 30	30	30	30	30
Phenol	0.2	-4.9 -2.6	1.5	2.7	3.2	-0.1	30	30 30	30	30	30	30
Aniline	-3.3	0.1 -2.3	0.8	1.6	3.1	-0.1	30	30 30	30	30	30	30
Bis(2-chloroethyl)ether	-2.7	1.4 -1.5	0.0	1.5	2.2	-0.9	30	30 30	30	30	30	30
2-Chlorophenol	-0.6	-4.1 1.8	0.0	-1.8	2.6	2.1	30	30 30	30	30	30	30
n-Decane	-4.8	3.0 -5.8	4.4	3.0	2.1	-2.0	30	30 30	30	30	30	30
1,3-Dichlorobenzene	-1.5	0.2 -2.8	2.8	1.4	1.6	-1.8	30	30 30	30	30	30	30
1,4-Dichlorobenzene	-2.4	0.4 -2.1	1.9	0.9	2.6	-1.3	30	30 30	30	30	30	30
Benzyl alcohol	1.4	5.9 4.7	-10.8	-3.3	-0.5	2.5	30	30 30	30	30	30	30
1,2-Dichlorobenzene	-2.1	1.4 -4.1	2.9	1.0	1.5	-0.6	30	30 30	30	30	30	30
2-Methylphenol	-8.5	-0.6 -8.4	5.1	3.0	6.9	2.5	30	30 30	30	30	30	30

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 569943

SDG No.:

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/18/2021 12:07 Calibration End Date: 02/18/2021 15:30 Calibration ID: 41110

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
bis (2-chloroisopropyl) ether	-19.8	17.1 -26.6	16.2	12.4	7.6	-6.9	30	30 30	30	30	30	30
Indene	-14.9	12.5 -19.8	14.0	10.7	3.8	-6.4	30	30 30	30	30	30	30
N-Nitrosodi-n-propylamine	-2.0	-1.1 -3.0	0.9	2.1	2.0	1.2	30	30 30	30	30	30	30
Acetophenone	-2.0	0.2 -3.1	1.0	1.3	2.3	0.3	30	30 30	30	30	30	30
4-Methylphenol	-4.2	-2.1 -3.4	1.9	4.0	3.6	0.2	30	30 30	30	30	30	30
Hexachloroethane	1.1	-3.9 2.4	1.3	-1.7	0.4	0.5	30	30 30	30	30	30	30
Nitrobenzene	0.6	-5.0 2.5	-1.3	1.9	0.5	0.7	30	30 30	30	30	30	30
Isophorone	0.0	-5.4 1.9	-1.1	1.4	2.1	1.1	30	30 30	30	30	30	30
2-Nitrophenol	1.7	2.6 5.3	-2.9	-4.4	-1.8	-0.6	30	30 30	30	30	30	30
2,4-Dimethylphenol	1.7	-5.6 3.3	-4.7	0.7	0.7	3.8	30	30 30	30	30	30	30
Bis(2-chloroethoxy)methane	-0.8	0.1 -1.4	1.1	-1.3	2.0	0.4	30	30 30	30	30	30	30
Benzoic acid	-0.8	+++++ 6.6	23.3	-10.4	-12.9	-5.8	30	30	30	30	30	30
2,4-Dichlorophenol	-1.6	0.0 1.6	0.9	-1.8	0.0	0.9	30	30 30	30	30	30	30
1,2,4-Trichlorobenzene	-0.2	0.4 0.4	1.3	-0.9	-0.2	-0.9	30	30 30	30	30	30	30
Naphthalene	3.2 -6.5	2.3 -4.2	4.0	0.7	0.8	-0.3	30 30	30 30	30	30	30	30
4-Chloroaniline	1.7	-2.3 0.8	-5.1	1.9	1.8	1.1	30	30 30	30	30	30	30
2,6-Dichlorophenol	3.4	-8.0 4.0	-0.7	-1.7	0.7	2.3	30	30 30	30	30	30	30
Hexachlorobutadiene	2.1	-3.1 5.3	-0.7	-3.7	0.5	-0.5	30	30 30	30	30	30	30
Caprolactam	-0.7	0.7 0.5	-1.2	-0.8	0.3	1.2	30	30 30	30	30	30	30

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 569943

SDG No.:

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/18/2021 12:07 Calibration End Date: 02/18/2021 15:30 Calibration ID: 41110

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
4-Chloro-3-methylphenol	-0.6	0.8 2.0	-1.5	-0.4	0.4	-0.7	30	30 30	30	30	30	30
2-Methylnaphthalene	0.7 -2.0	0.9 -1.4	-1.1	0.2	0.0	2.8	30 30	30 30	30	30	30	30
1-Methylnaphthalene	0.2 -1.9	4.0 -1.6	1.1	0.7	-1.1	-1.4	30 30	30 30	30	30	30	30
Hexachlorocyclopentadiene	3.0	+++++ 2.3	18.4	-8.8	-11.5	-3.5	30	30	30	30	30	30
1,2,4,5-Tetrachlorobenzene	1.4	-1.0 -0.2	0.5	-0.6	-0.1	0.2	30	30 30	30	30	30	30
2,4,6-Trichlorophenol	3.9	2.1 3.8	-2.3	-3.0	-3.9	-0.6	30	30 30	30	30	30	30
2,4,5-Trichlorophenol	-0.5	3.5 0.1	-8.5	1.3	3.4	0.8	30	30 30	30	30	30	30
Biphenyl	-0.7	1.0 -5.2	3.6	4.6	-1.7	-1.6	30	30 30	30	30	30	30
2-Chloronaphthalene	0.7	0.7 -2.0	3.2	0.4	-1.8	-1.3	30	30 30	30	30	30	30
2-Nitroaniline	2.5	2.2 2.8	-2.6	-3.5	-1.3	-0.1	30	30 30	30	30	30	30
Dimethyl phthalate	3.3	-6.1 0.9	-0.4	2.0	0.9	-0.7	30	30 30	30	30	30	30
1,3-Dinitrobenzene	5.7	5.1 2.7	-7.0	-7.5	-2.0	3.0	30	30 30	30	30	30	30
2,6-Dinitrotoluene	0.6	0.1 -4.6	-1.4	0.8	3.1	1.4	30	30 30	30	30	30	30
Acenaphthylene	-11.9 2.1	-3.6 0.5	3.4	3.5	3.8	2.2	30 30	30 30	30	30	30	30
3-Nitroaniline	3.9	2.8 0.9	-4.7	-2.8	0.8	-0.9	30	30 30	30	30	30	30
Acenaphthene	2.6 -0.9	2.3 -8.4	4.4	3.5	-1.5	-2.1	30 30	30 30	30	30	30	30
2,4-Dinitrophenol	1.3	+++++ 6.1	21.8	-7.5	-13.4	-8.3	30	30	30	30	30	30
4-Nitrophenol	1.3	24.8 5.0	-2.7	-13.0	-10.8	-4.5	30	30 30	30	30	30	30
2,4-Dinitrotoluene	4.9	0.9 -1.4	-0.3	-3.1	-1.6	0.6	30	30 30	30	30	30	30

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 569943

SDG No.:

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/18/2021 12:07 Calibration End Date: 02/18/2021 15:30 Calibration ID: 41110

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Dibenzofuran	-0.6	2.6 -4.3	3.2	0.2	0.4	-1.5	30	30 30	30	30	30	30
2,3,4,6-Tetrachlorophenol	4.1	4.6 6.4	-6.6	-4.2	-6.0	1.7	30	30 30	30	30	30	30
Hexadecane	-1.9	1.7 -7.3	3.3	4.2	1.1	-1.2	30	30 30	30	30	30	30
Diethyl phthalate	1.5	-2.9 -3.0	-0.8	4.4	1.2	-0.4	30	30 30	30	30	30	30
4-Chlorophenyl phenyl ether	3.3	0.2 -4.1	0.9	2.3	-2.4	-0.2	30	30 30	30	30	30	30
Fluorene	-5.8 -0.1	-0.7 -1.3	3.9	4.3	-0.8	0.5	30 30	30 30	30	30	30	30
4-Nitroaniline	3.0	3.0 -0.2	-5.0	-2.9	-1.0	3.1	30	30 30	30	30	30	30
4,6-Dinitro-2-methylphenol	3.8	6.7 7.8	-9.6	-8.1	-3.9	3.4	30	30 30	30	30	30	30
Diphenylamine	-2.3	0.2 -9.6	6.2	3.2	-0.3	2.6	30	30 30	30	30	30	30
N-Nitrosodiphenylamine	-2.3	0.2 -9.6	6.2	3.2	-0.3	2.6	30	30 30	30	30	30	30
1,2-Diphenylhydrazine	-2.8	-2.2 -8.3	3.5	6.7	2.7	0.3	30	30 30	30	30	30	30
trans-Azobenzene	-2.8	-2.1 -8.3	3.5	6.7	2.7	0.3	30	30 30	30	30	30	30
4-Bromophenyl phenyl ether	3.8	-5.2 0.7	-2.7	0.8	-0.1	2.7	30	30 30	30	30	30	30
Hexachlorobenzene	1.3	-5.1 2.2	0.1	0.7	-0.4	1.3	30	30 30	30	30	30	30
Atrazine	-0.8	-3.7 -11.7	3.0	1.7	7.5	4.0	30	30 30	30	30	30	30
Pentachlorophenol	9.4	29.6 -2.0	-5.6	-17.6	-14.0	0.2	30	30 30	30	30	30	30
n-Octadecane	-3.5	0.3 -11.3	4.0	3.3	4.5	2.6	30	30 30	30	30	30	30
Phenanthrene	3.5 -4.4	2.3 -4.4	4.3	0.3	0.2	-1.8	30 30	30 30	30	30	30	30
Anthracene	-0.8 -2.9	-1.2 -6.3	6.5	5.8	-0.8	-0.4	30 30	30 30	30	30	30	30

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 569943

SDG No.:

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/18/2021 12:07 Calibration End Date: 02/18/2021 15:30 Calibration ID: 41110

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Carbazole	0.4	-3.5 -2.5	8.7	-1.8	-4.4	3.1	30	30 30	30	30	30	30
Di-n-butyl phthalate	-2.6	-1.5 -6.3	0.7	3.4	3.5	2.8	30	30 30	30	30	30	30
Fluoranthene	-0.6 -2.2	0.0 -7.4	2.4	3.8	2.7	1.3	30 30	30 30	30	30	30	30
Benzidine	1.0	2.1 -1.3	5.7	-5.0	-5.1	2.7	30	30 30	30	30	30	30
Pyrene	-2.1 -1.6	0.6 -4.9	4.6	1.9	2.0	-0.6	30 30	30 30	30	30	30	30
Butyl benzyl phthalate	2.4	1.1 1.1	-0.5	-3.3	-2.7	1.7	30	30 30	30	30	30	30
Bis(2-ethylhexyl) phthalate	0.3	1.2 0.1	-1.0	-3.7	0.7	2.3	30	30 30	30	30	30	30
3,3'-Dichlorobenzidine	8.3	-5.2 6.8	-0.8	-11.0	-6.1	8.0	30	30 30	30	30	30	30
Benzo[a]anthracene	-2.5 -1.8	-3.0 2.1	2.6	1.8	0.6	0.2	30 30	30 30	30	30	30	30
Chrysene	0.3 1.1	-3.8 -1.3	5.9	-0.5	-1.3	-0.4	30 30	30 30	30	30	30	30
Di-n-octyl phthalate	3.9	2.9 1.7	-3.1	-6.6	-0.5	1.6	30	30 30	30	30	30	30
Benzo[b]fluoranthene	1.3 6.3	-4.6 0.8	-1.6	0.3	-1.2	-1.2	30 30	30 30	30	30	30	30
Benzo[k]fluoranthene	0.5 2.3	-3.6 -0.2	2.5	1.8	0.1	-3.3	30 30	30 30	30	30	30	30
Benzo[a]pyrene	2.0 3.3	-7.2 1.5	-2.0	-1.1	2.5	1.1	30 30	30 30	30	30	30	30
Indeno[1,2,3-cd]pyrene	2.0 4.1	-6.6 3.7	-3.0	-0.9	0.0	0.7	30 30	30 30	30	30	30	30
Dibenz(a,h)anthracene	2.4	-0.3 1.3	1.7	-1.9	-0.9	-2.4	30	30 30	30	30	30	30
Benzo[g,h,i]perylene	1.8 2.4	-6.5 3.7	-2.1	0.9	-0.1	-0.1	30 30	30 30	30	30	30	30
2-Fluorophenol (Surr)	1.2	0.3 -1.3	0.7	-3.3	0.7	1.6	30	30 30	30	30	30	30
Phenol-d5 (Surr)	-2.8	-1.6 -2.8	2.3	1.2	2.4	1.4	30	30 30	30	30	30	30

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

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1 Analy Batch No.: 569943

SDG No.:

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/18/2021 12:07 Calibration End Date: 02/18/2021 15:30 Calibration ID: 41110

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Nitrobenzene-d5 (Surr)	4.1	-7.1 3.2	-3.0	-0.3	0.8	2.4	30	30 30	30	30	30	30
2-Fluorobiphenyl	-1.3	1.0 -1.3	1.1	1.1	0.8	-1.3	30	30 30	30	30	30	30
2,4,6-Tribromophenol (Surr)	3.6	2.9 5.0	-2.4	-6.4	-3.4	0.8	30	30 30	30	30	30	30
p-Terphenyl-d14 (Surr)	3.0	-2.7 0.0	1.2	-0.8	0.6	-1.3	30	30 30	30	30	30	30

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y02820281.D
Lims ID: IC - List 1 - 0.125
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 18-Feb-2021 12:07:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 480-0096734-003
Operator ID: JM Instrument ID: HP5973Y
Sublist: chrom-Y-LVI-8270*sub36

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 23-Feb-2021 15:16:58 Calib Date: 18-Feb-2021 23:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y02820304.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1615

First Level Reviewer: marshallj Date: 23-Feb-2021 12:41:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.950	5.948	0.002	95	294052	4.00	4.00	
* 2 Naphthalene-d8	136	7.040	7.043	-0.003	99	1011377	4.00	4.00	
* 3 Acenaphthene-d10	164	8.514	8.517	-0.003	96	574356	4.00	4.00	
* 4 Phenanthrene-d10	188	9.759	9.805	-0.046	97	1008380	4.00	4.00	
* 5 Chrysene-d12	240	12.190	12.193	-0.003	99	903974	4.00	4.00	
* 6 Perylene-d12	264	14.161	14.159	0.002	97	924571	4.00	4.00	
74 Naphthalene	128	7.061	7.059	0.002	94	32405	0.1250	0.1290	
87 2-Methylnaphthalene	142	7.644	7.641	0.003	92	21523	0.1250	0.1258	
89 1-Methylnaphthalene	142	7.724	7.727	-0.003	93	19862	0.1250	0.1253	
108 Acenaphthylene	152	8.402	8.400	0.002	98	26044	0.1250	0.1102	
110 Acenaphthene	153	8.546	8.544	0.002	93	21366	0.1250	0.1283	
124 Fluorene	166	8.974	8.972	0.002	92	22181	0.1250	0.1177	
151 Phenanthrene	178	9.781	9.778	0.002	97	34725	0.1250	0.1294	
152 Anthracene	178	9.823	9.826	-0.003	98	29177	0.1250	0.1240	
164 Fluoranthene	202	10.779	10.777	0.002	97	30405	0.1250	0.1243	
167 Pyrene	202	10.977	10.975	0.002	98	34200	0.1250	0.1224	
180 Benzo[a]anthracene	228	12.179	12.177	0.002	99	32872	0.1250	0.1219	
182 Chrysene	228	12.222	12.225	-0.003	97	37197	0.1250	0.1254	
186 Benzo[b]fluoranthene	252	13.611	13.609	0.002	98	26188	0.1250	0.1267	
187 Benzo[k]fluoranthene	252	13.643	13.641	0.002	98	30828	0.1250	0.1256	
189 Benzo[a]pyrene	252	14.086	14.084	0.002	78	19908	0.1250	0.1275	
193 Indeno[1,2,3-cd]pyrene	276	15.774	15.772	0.002	94	31295	0.1250	0.1275	
195 Benzo[g,h,i]perylene	276	16.191	16.178	0.013	96	26804	0.1250	0.1272	

QC Flag Legend
Processing Flags

Reagents:

MB_L1LVI_WRK_00468	Amount Added: 1.00	Units: mL	
MB_LLIS_WRK_00208	Amount Added: 20.00	Units: uL	Run Reagent

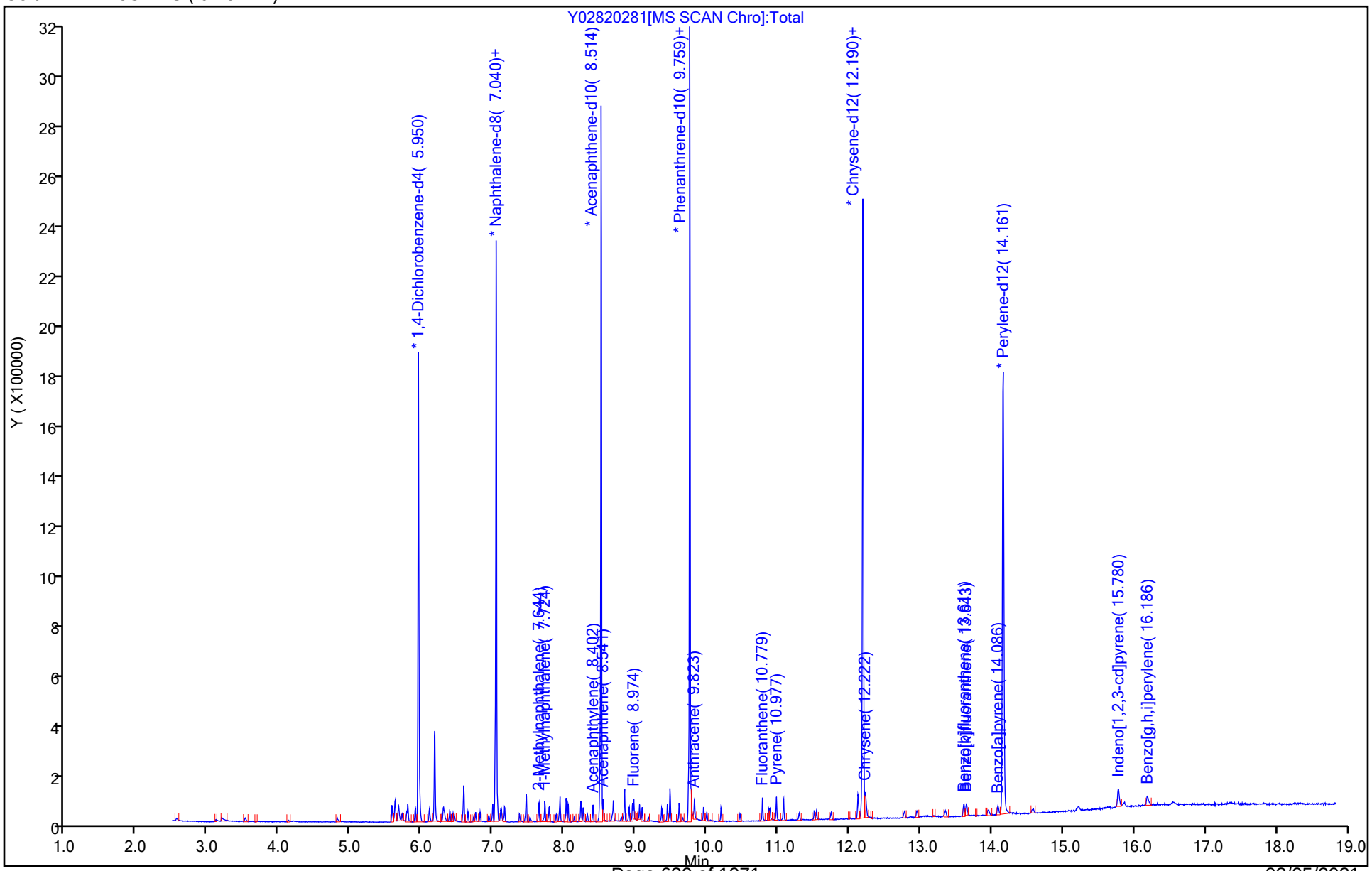
Report Date: 23-Feb-2021 15:16:58 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y02820281.D

Injection Date:	18-Feb-2021 12:07:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	IC - List 1 - 0.125			Worklist Smp#:	3
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y02820282.D
Lims ID: IC - List 1 - 0.50
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 18-Feb-2021 12:36:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 480-0096734-004
Operator ID: JM Instrument ID: HP5973Y
Sublist: chrom-Y-LVI-8270*sub36

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 23-Feb-2021 15:17:03 Calib Date: 18-Feb-2021 23:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y02820304.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1615

First Level Reviewer: marshallj Date: 23-Feb-2021 12:43:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.950	5.948	0.002	95	318648	4.00	4.00	
* 2 Naphthalene-d8	136	7.040	7.043	-0.003	100	1108701	4.00	4.00	
* 3 Acenaphthene-d10	164	8.515	8.517	-0.003	94	641995	4.00	4.00	
* 4 Phenanthrene-d10	188	9.759	9.805	-0.046	97	1143319	4.00	4.00	
* 5 Chrysene-d12	240	12.190	12.193	-0.003	99	1060451	4.00	4.00	
* 6 Perylene-d12	264	14.161	14.159	0.002	97	1061843	4.00	4.00	
$ 7 2-Fluorophenol	112	4.796	4.794	0.002	93	37157	0.5000	0.5013	
$ 8 Phenol-d5	99	5.651	5.649	0.002	0	51623	0.5000	0.4918	
$ 9 Nitrobenzene-d5	82	6.431	6.434	-0.003	90	43141	0.5000	0.4644	
$ 10 2-Fluorobiphenyl	172	7.938	7.935	0.003	99	109726	0.5000	0.5051	
$ 11 2,4,6-Tribromophenol	330	9.177	9.180	-0.003	92	13316	0.5000	0.5144	
$ 12 p-Terphenyl-d14	244	11.079	11.076	0.003	98	125683	0.5000	0.4864	
13 1,4-Dioxane	88	2.547	2.550	-0.003	95	20856	0.5000	0.5100	
14 N-Nitrosodimethylamine	42	3.082	3.079	0.003	91	24200	0.5000	0.4614	
15 Pyridine	52	3.135	3.133	0.002	94	50118	1.00	1.00	
35 Benzaldehyde	77	5.571	5.574	-0.003	94	79378	1.00	1.04	
37 Phenol	94	5.662	5.665	-0.003	95	57262	0.5000	0.4753	
36 Aniline	93	5.667	5.670	-0.003	97	68132	0.5000	0.5006	
39 Bis(2-chloroethyl)ether	93	5.715	5.713	0.002	94	47324	0.5000	0.5070	
40 2-Chlorophenol	128	5.779	5.782	-0.003	96	46938	0.5000	0.4793	
41 n-Decane	57	5.801	5.804	-0.003	94	54603	0.5000	0.5152	
43 1,3-Dichlorobenzene	146	5.902	5.905	-0.003	99	58444	0.5000	0.5012	
44 1,4-Dichlorobenzene	146	5.966	5.964	0.002	94	59224	0.5000	0.5022	
45 Benzyl alcohol	108	6.089	6.087	0.002	90	16360	0.5000	0.5295	
46 1,2-Dichlorobenzene	146	6.100	6.103	-0.003	97	57149	0.5000	0.5072	
48 2-Methylphenol	108	6.175	6.178	-0.003	50	40528	0.5000	0.4969	
47 Indene	115	6.175	6.178	-0.003	88	437364	2.50	2.81	
49 2,2'-oxybis[1-chloropropane]	45	6.180	6.178	0.002	89	77703	0.5000	0.5854	
53 N-Nitrosodi-n-propylamine	70	6.292	6.295	-0.003	94	28789	0.5000	0.4944	
52 Acetophenone	105	6.298	6.300	-0.002	94	61321	0.5000	0.5010	
57 4-Methylphenol	108	6.308	6.311	-0.003	94	38938	0.5000	0.4893	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
58 Hexachloroethane	117	6.388	6.391	-0.003	92	21713	0.5000	0.4803	
59 Nitrobenzene	77	6.447	6.450	-0.003	89	44932	0.5000	0.4750	
62 Isophorone	82	6.645	6.642	0.003	99	76573	0.5000	0.4728	
64 2-Nitrophenol	139	6.720	6.723	-0.003	95	18021	0.5000	0.5128	
66 2,4-Dimethylphenol	107	6.752	6.749	0.003	95	41476	0.5000	0.4722	
69 Bis(2-chloroethoxy)methane	93	6.816	6.813	0.003	97	50543	0.5000	0.5004	
70 Benzoic acid	105	6.821	6.824	-0.003	27	19138	2.50	5.22	a
72 2,4-Dichlorophenol	162	6.933	6.931	0.002	92	35705	0.5000	0.4998	
73 1,2,4-Trichlorobenzene	180	6.992	6.995	-0.003	94	50627	0.5000	0.5020	
74 Naphthalene	128	7.061	7.059	0.002	98	140854	0.5000	0.5116	
76 4-Chloroaniline	127	7.104	7.102	0.002	96	52259	0.5000	0.4886	
77 2,6-Dichlorophenol	162	7.115	7.112	0.003	97	36837	0.5000	0.4602	
79 Hexachlorobutadiene	225	7.163	7.161	0.002	96	30750	0.5000	0.4846	
84 Caprolactam	113	7.371	7.369	0.002	76	20584	1.00	1.01	
85 4-Chloro-3-methylphenol	107	7.510	7.513	-0.003	95	27439	0.5000	0.5041	
87 2-Methylnaphthalene	142	7.638	7.641	-0.003	90	94555	0.5000	0.5043	
89 1-Methylnaphthalene	142	7.724	7.727	-0.003	93	90372	0.5000	0.5199	
90 Hexachlorocyclopentadiene	237	7.772	7.775	-0.003	93	6186	0.5000	0.9026	
91 1,2,4,5-Tetrachlorobenzene	216	7.788	7.786	0.002	96	52777	0.5000	0.4948	
93 2,4,6-Trichlorophenol	196	7.879	7.882	-0.003	91	24004	0.5000	0.5107	
94 2,4,5-Trichlorophenol	196	7.922	7.919	0.003	95	25125	0.5000	0.5174	
96 1,1'-Biphenyl	154	8.023	8.026	-0.003	96	117905	0.5000	0.5050	
97 2-Chloronaphthalene	162	8.050	8.053	-0.003	95	94361	0.5000	0.5036	
100 2-Nitroaniline	65	8.130	8.133	-0.003	84	17630	0.5000	0.5108	
105 Dimethyl phthalate	163	8.263	8.261	0.002	99	94797	0.5000	0.4695	
106 1,3-Dinitrobenzene	168	8.311	8.309	0.002	80	9023	0.5000	0.5256	
107 2,6-Dinitrotoluene	165	8.322	8.325	-0.003	94	17836	0.5000	0.5007	
108 Acenaphthylene	152	8.402	8.400	0.002	98	127333	0.5000	0.4818	
109 3-Nitroaniline	138	8.472	8.475	-0.003	95	16683	0.5000	0.5140	
110 Acenaphthene	153	8.541	8.544	-0.003	95	95224	0.5000	0.5116	
111 2,4-Dinitrophenol	184	8.573	8.576	-0.003	87	3031	1.00	2.04	
112 4-Nitrophenol	109	8.632	8.630	0.002	95	6782	1.00	1.25	
114 2,4-Dinitrotoluene	165	8.669	8.667	0.002	94	20229	0.5000	0.5047	
115 Dibenzofuran	168	8.685	8.688	-0.003	97	134429	0.5000	0.5129	
118 2,3,4,6-Tetrachlorophenol	232	8.798	8.795	0.003	71	14981	0.5000	0.5232	
120 Diethyl phthalate	149	8.846	8.843	0.003	98	94443	0.5000	0.4854	
121 Hexadecane	57	8.846	8.843	0.003	92	57742	0.5000	0.5087	
123 4-Chlorophenyl phenyl ether	204	8.958	8.956	0.002	89	54869	0.5000	0.5012	
124 Fluorene	166	8.974	8.972	0.002	93	104600	0.5000	0.4967	
126 4-Nitroaniline	138	8.985	8.988	-0.003	84	17827	0.5000	0.5152	
127 4,6-Dinitro-2-methylphenol	198	9.017	9.014	0.003	95	13175	1.00	1.07	
129 Diphenylamine	169	9.054	9.052	0.002	95	72284	0.4275	0.4283	
130 N-Nitrosodiphenylamine	169	9.054	9.052	0.002	61	72284	0.5000	0.5010	
132 Azobenzene	77	9.091	9.089	0.002	99	91246	0.5000	0.4893	
131 1,2-Diphenylhydrazine	77	9.091	9.089	0.002	41	91246	0.5000	0.4892	
139 4-Bromophenyl phenyl ether	248	9.364	9.367	-0.003	65	30864	0.5000	0.4739	
140 Hexachlorobenzene	284	9.444	9.447	-0.003	96	36557	0.5000	0.4745	
143 Atrazine	200	9.481	9.484	-0.003	94	55665	1.00	0.9632	
145 Pentachlorophenol	266	9.610	9.613	-0.003	59	13150	1.00	1.30	
148 n-Octadecane	57	9.610	9.613	-0.003	92	56019	0.5000	0.5017	
151 Phenanthrene	178	9.781	9.778	0.003	97	155530	0.5000	0.5113	
152 Anthracene	178	9.823	9.826	-0.003	98	145556	0.5000	0.4942	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
153 Carbazole	167	9.952	9.955	-0.002	96	124244	0.5000	0.4825	
157 Di-n-butyl phthalate	149	10.197	10.200	-0.003	99	138872	0.5000	0.4924	
164 Fluoranthene	202	10.780	10.777	0.003	98	157316	0.5000	0.5002	
166 Benzidine	184	10.865	10.868	-0.003	99	122963	1.00	1.02	
167 Pyrene	202	10.977	10.975	0.002	97	164932	0.5000	0.5031	
174 Butyl benzyl phthalate	149	11.511	11.509	0.002	95	49765	0.5000	0.5057	
181 Bis(2-ethylhexyl) phthalate	149	12.126	12.123	0.003	95	74027	0.5000	0.5058	
179 3,3'-Dichlorobenzidine	252	12.126	12.123	0.003	73	104647	1.00	0.9475	
180 Benzo[a]anthracene	228	12.179	12.177	0.002	99	153380	0.5000	0.4849	
182 Chrysene	228	12.222	12.225	-0.003	97	151807	0.5000	0.4808	
184 Di-n-octyl phthalate	149	12.954	12.951	0.003	99	100749	0.5000	0.5146	
186 Benzo[b]fluoranthene	252	13.606	13.609	-0.003	98	140879	0.5000	0.4768	
187 Benzo[k]fluoranthene	252	13.643	13.641	0.002	99	146481	0.5000	0.4818	
189 Benzo[a]pyrene	252	14.086	14.084	0.002	78	114918	0.5000	0.4638	
194 Dibenz(a,h)anthracene	278	15.769	15.772	-0.003	72	132349	0.5000	0.4986	
193 Indeno[1,2,3-cd]pyrene	276	15.769	15.772	-0.003	93	163484	0.5000	0.4669	a
195 Benzo[g,h,i]perylene	276	16.175	16.178	-0.003	96	136365	0.5000	0.4675	
S 261 Total Cresols	1				0			0.9863	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

MB_L1LVI_WRK_00469	Amount Added: 1.00	Units: mL	
MB_LLIS_WRK_00208	Amount Added: 20.00	Units: uL	Run Reagent

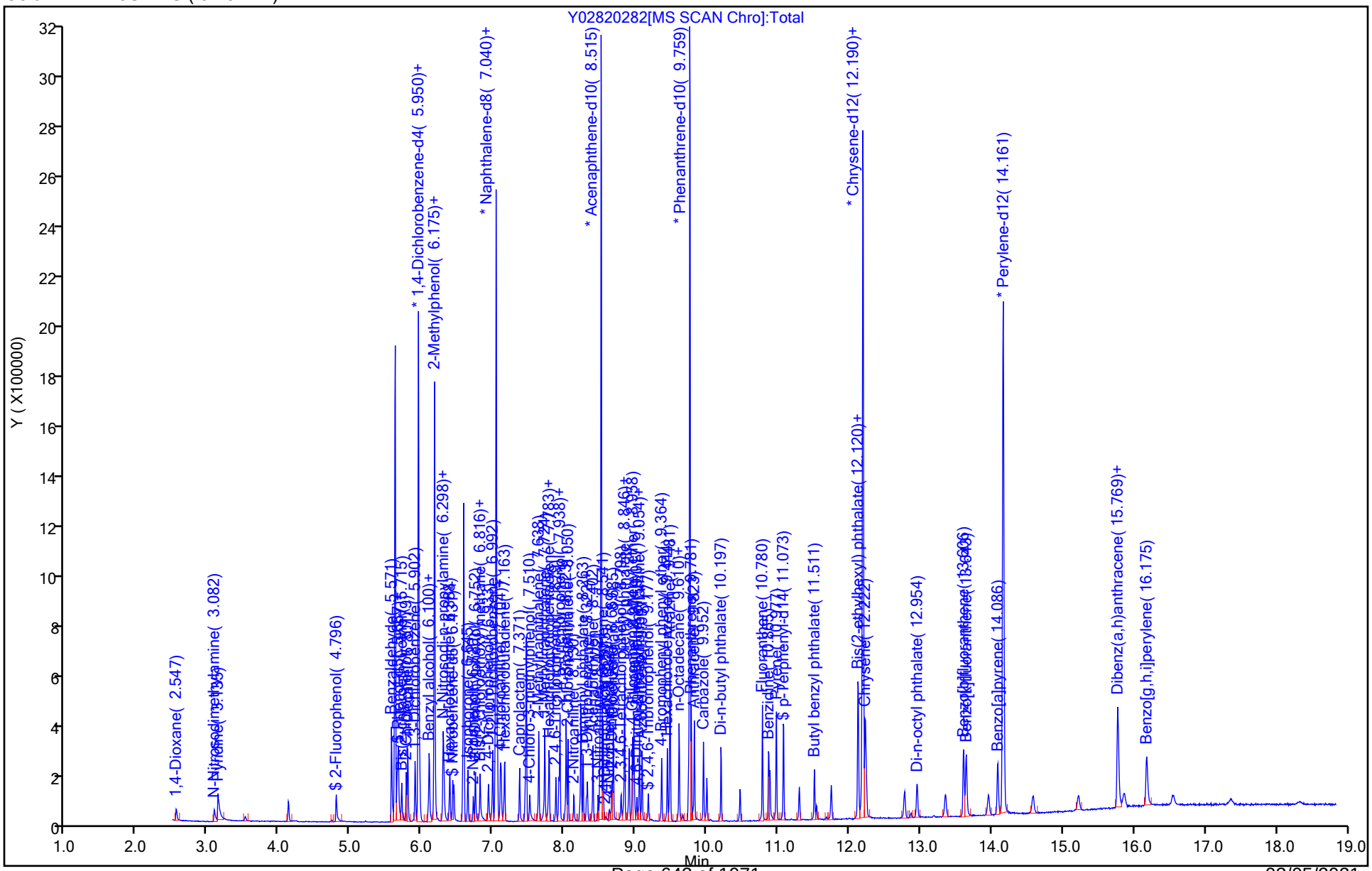
Report Date: 23-Feb-2021 15:17:04 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y02820282.D

Injection Date:	18-Feb-2021 12:36:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	IC - List 1 - 0.50			Worklist Smp#:	4
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

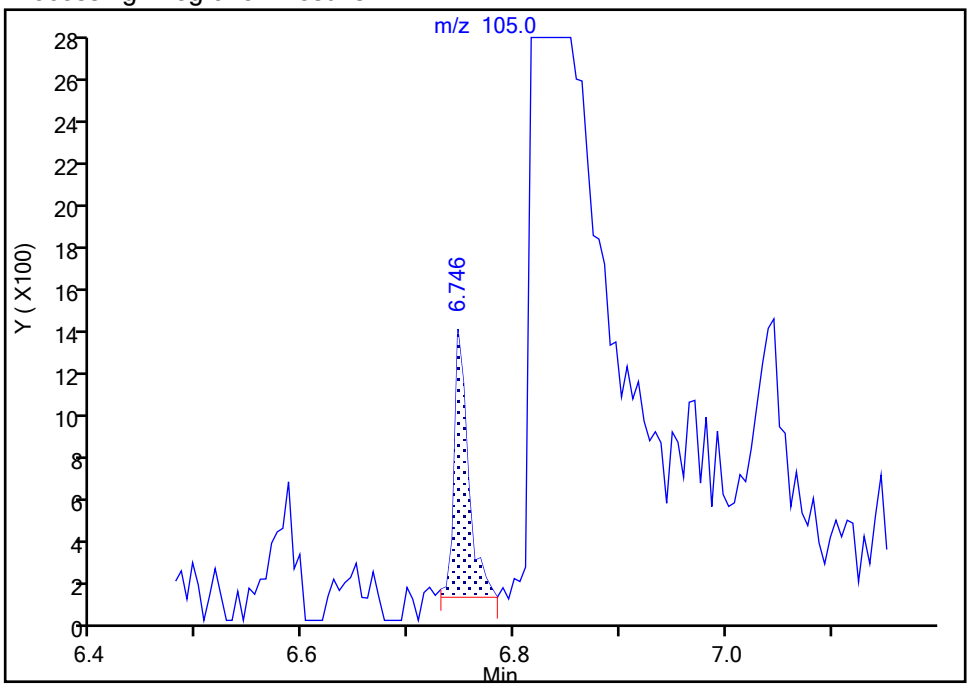
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Injection Date: 18-Feb-2021 12:36:30 Instrument ID: HP5973Y
Lims ID: IC - List 1 - 0.50
Client ID:
Operator ID: JM ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

70 Benzoic acid, CAS: 65-85-0

Signal: 1

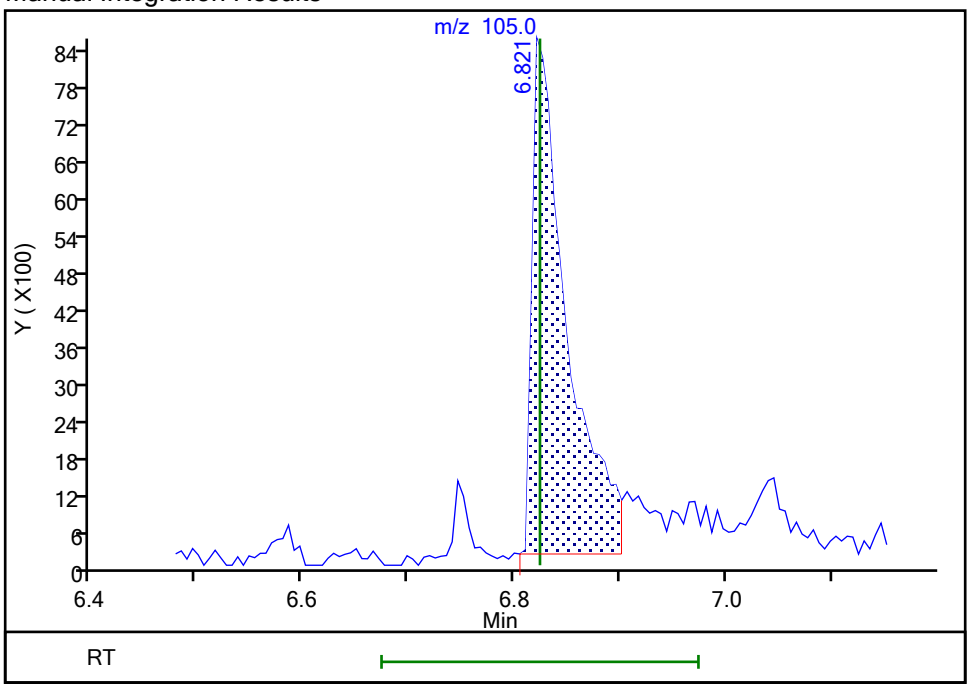
Processing Integration Results

RT: 6.75
Area: 1164
Amount: 0.038801
Amount Units: ng/uL



Manual Integration Results

RT: 6.82
Area: 19138
Amount: 5.223885
Amount Units: ng/uL



Reviewer: marshallj, 23-Feb-2021 12:42:28
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

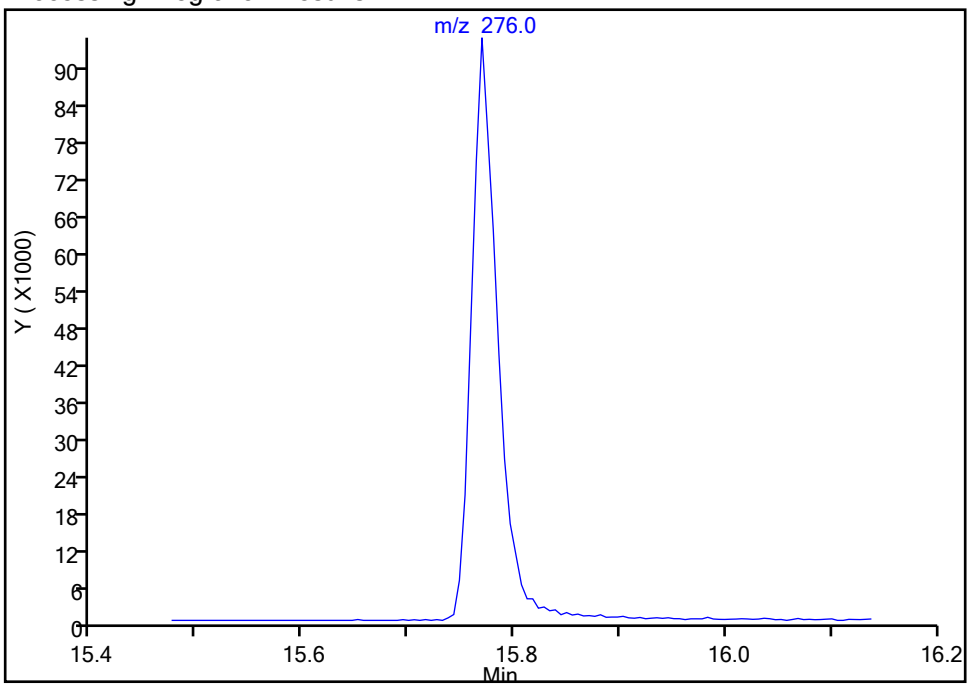
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Injection Date:	18-Feb-2021 12:36:30	Instrument ID:	HP5973Y		
Lims ID:	IC - List 1 - 0.50				
Client ID:					
Operator ID:	JM	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	2.0 ul	Dil. Factor:	1.0000		
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

193 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

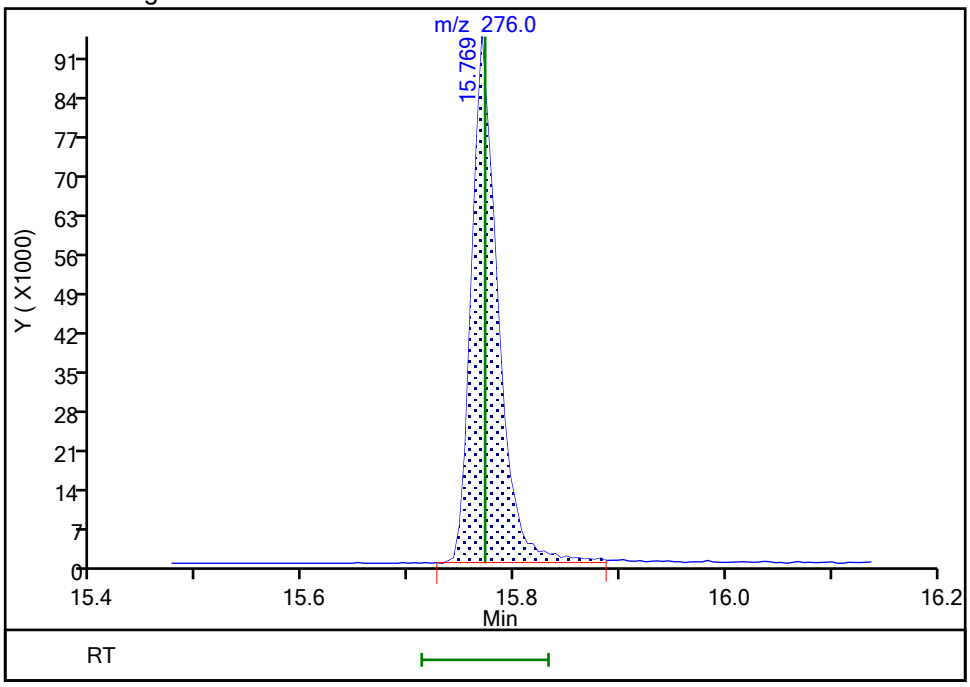
Not Detected
Expected RT: 15.77

Processing Integration Results



Manual Integration Results

RT: 15.77
Area: 163484
Amount: 0.466882
Amount Units: ng/uL



Reviewer: marshallj, 23-Feb-2021 12:43:27
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y02820283.D
Lims ID: IC - List 1 - 1
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 18-Feb-2021 13:05:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 480-0096734-005
Operator ID: JM Instrument ID: HP5973Y
Sublist: chrom-Y-LVI-8270*sub36

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 23-Feb-2021 15:17:14 Calib Date: 18-Feb-2021 23:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y02820304.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1615

First Level Reviewer: marshallj Date: 23-Feb-2021 12:45:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.950	5.948	0.002	96	303730	4.00	4.00	
* 2 Naphthalene-d8	136	7.045	7.043	0.002	99	1068959	4.00	4.00	
* 3 Acenaphthene-d10	164	8.514	8.517	-0.003	96	604623	4.00	4.00	
* 4 Phenanthrene-d10	188	9.764	9.805	-0.041	97	1063435	4.00	4.00	
* 5 Chrysene-d12	240	12.195	12.193	0.001	99	984772	4.00	4.00	
* 6 Perylene-d12	264	14.160	14.159	0.001	97	988868	4.00	4.00	
$ 7 2-Fluorophenol	112	4.790	4.794	-0.004	92	80539	1.00	1.01	
$ 8 Phenol-d5	99	5.650	5.649	0.001	0	107477	1.00	1.02	
$ 9 Nitrobenzene-d5	82	6.430	6.434	-0.004	91	86837	1.00	0.9696	
$ 10 2-Fluorobiphenyl	172	7.937	7.935	0.002	99	206753	1.00	1.01	
$ 11 2,4,6-Tribromophenol	330	9.176	9.180	-0.004	93	28621	1.00	0.9760	
$ 12 p-Terphenyl-d14	244	11.078	11.076	0.002	98	242842	1.00	1.01	
13 1,4-Dioxane	88	2.552	2.550	0.002	96	39401	1.00	1.01	
14 N-Nitrosodimethylamine	42	3.081	3.079	0.002	88	49523	1.00	0.99	
15 Pyridine	52	3.124	3.133	-0.009	94	106627	2.00	2.00	
35 Benzaldehyde	77	5.570	5.574	-0.004	95	156073	2.00	2.14	
37 Phenol	94	5.661	5.665	-0.004	94	116576	1.00	1.02	
36 Aniline	93	5.666	5.670	-0.004	98	130724	1.00	1.01	
39 Bis(2-chloroethyl)ether	93	5.714	5.713	0.001	92	88966	1.00	1.00	
40 2-Chlorophenol	128	5.779	5.782	-0.003	97	93302	1.00	1.00	
41 n-Decane	57	5.800	5.804	-0.004	96	105423	1.00	1.04	
43 1,3-Dichlorobenzene	146	5.907	5.905	0.002	99	114221	1.00	1.03	
44 1,4-Dichlorobenzene	146	5.966	5.964	0.002	95	114514	1.00	1.02	
45 Benzyl alcohol	108	6.083	6.087	-0.004	92	34310	1.00	0.8923	
46 1,2-Dichlorobenzene	146	6.104	6.103	0.001	98	110517	1.00	1.03	
49 2,2'-oxybis[1-chloropropane]	45	6.179	6.178	0.001	90	147031	1.00	1.16	
48 2-Methylphenol	108	6.174	6.178	-0.004	90	81727	1.00	1.05	
47 Indene	115	6.179	6.178	0.001	90	844461	5.00	5.70	
53 N-Nitrosodi-n-propylamine	70	6.291	6.295	-0.004	93	58636	1.00	1.01	
52 Acetophenone	105	6.297	6.300	-0.003	90	117830	1.00	1.01	
57 4-Methylphenol	108	6.307	6.311	-0.004	93	79847	1.00	1.02	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
58 Hexachloroethane	117	6.388	6.391	-0.003	96	43639	1.00	1.01	
59 Nitrobenzene	77	6.446	6.450	-0.004	90	90041	1.00	0.9873	
62 Isophorone	82	6.644	6.642	0.002	99	154497	1.00	0.9894	
64 2-Nitrophenol	139	6.719	6.723	-0.004	93	39869	1.00	0.9708	
66 2,4-Dimethylphenol	107	6.751	6.749	0.002	95	80720	1.00	0.9531	
69 Bis(2-chloroethoxy)methane	93	6.815	6.813	0.002	97	98473	1.00	1.01	
70 Benzoic acid	105	6.831	6.824	0.007	90	67025	5.00	6.16	
72 2,4-Dichlorophenol	162	6.932	6.931	0.001	91	76455	1.00	1.01	
73 1,2,4-Trichlorobenzene	180	6.991	6.995	-0.004	94	98529	1.00	1.01	
74 Naphthalene	128	7.061	7.059	0.002	98	276021	1.00	1.04	
76 4-Chloroaniline	127	7.103	7.102	0.001	97	97882	1.00	0.9493	
77 2,6-Dichlorophenol	162	7.114	7.112	0.002	97	76610	1.00	0.99	
79 Hexachlorobutadiene	225	7.162	7.161	0.001	94	60772	1.00	0.99	
84 Caprolactam	113	7.376	7.369	0.007	76	44178	2.00	1.98	
85 4-Chloro-3-methylphenol	107	7.509	7.513	-0.004	95	60926	1.00	0.9851	
87 2-Methylnaphthalene	142	7.638	7.641	-0.003	91	178803	1.00	0.9891	
89 1-Methylnaphthalene	142	7.723	7.727	-0.004	92	169448	1.00	1.01	
90 Hexachlorocyclopentadiene	237	7.777	7.775	0.002	90	19847	1.00	1.18	
91 1,2,4,5-Tetrachlorobenzene	216	7.787	7.786	0.001	96	100908	1.00	1.00	
93 2,4,6-Trichlorophenol	196	7.878	7.882	-0.004	92	50075	1.00	0.9775	
94 2,4,5-Trichlorophenol	196	7.921	7.919	0.002	94	49538	1.00	0.9147	
96 1,1'-Biphenyl	154	8.022	8.026	-0.004	96	227848	1.00	1.04	
97 2-Chloronaphthalene	162	8.049	8.053	-0.004	95	182126	1.00	1.03	
100 2-Nitroaniline	65	8.129	8.133	-0.004	85	37585	1.00	0.9735	
105 Dimethyl phthalate	163	8.263	8.261	0.002	99	189455	1.00	1.00	
106 1,3-Dinitrobenzene	168	8.311	8.309	0.002	89	20740	1.00	0.9297	
107 2,6-Dinitrotoluene	165	8.321	8.325	-0.004	94	38132	1.00	0.9864	
108 Acenaphthylene	152	8.402	8.400	0.002	98	257359	1.00	1.03	
109 3-Nitroaniline	138	8.471	8.475	-0.004	94	34739	1.00	0.9531	
110 Acenaphthene	153	8.546	8.544	0.002	95	183062	1.00	1.04	
111 2,4-Dinitrophenol	184	8.567	8.576	-0.009	85	12279	2.00	2.44	
112 4-Nitrophenol	109	8.626	8.630	-0.004	89	20955	2.00	1.95	
114 2,4-Dinitrotoluene	165	8.669	8.667	0.002	95	47191	1.00	1.00	
115 Dibenzofuran	168	8.685	8.688	-0.003	97	254681	1.00	1.03	
118 2,3,4,6-Tetrachlorophenol	232	8.797	8.795	0.002	71	33749	1.00	0.9338	
120 Diethyl phthalate	149	8.845	8.843	0.002	98	181803	1.00	0.99	
121 Hexadecane	57	8.845	8.843	0.002	91	110448	1.00	1.03	
123 4-Chlorophenyl phenyl ether	204	8.957	8.956	0.001	89	104013	1.00	1.01	
124 Fluorene	166	8.973	8.972	0.001	94	206133	1.00	1.04	
126 4-Nitroaniline	138	8.984	8.988	-0.004	83	35850	1.00	0.9497	
127 4,6-Dinitro-2-methylphenol	198	9.016	9.014	0.002	91	33935	2.00	1.81	
129 Diphenylamine	169	9.053	9.052	0.001	94	142465	0.8550	0.9076	
130 N-Nitrosodiphenylamine	169	9.053	9.052	0.001	62	142465	1.00	1.06	
132 Azobenzene	77	9.091	9.089	0.002	99	179603	1.00	1.04	
131 1,2-Diphenylhydrazine	77	9.091	9.089	0.002	41	179603	1.00	1.04	
139 4-Bromophenyl phenyl ether	248	9.369	9.367	0.001	65	58960	1.00	0.9733	
140 Hexachlorobenzene	284	9.449	9.447	0.002	96	71762	1.00	1.00	
143 Atrazine	200	9.481	9.484	-0.003	94	112136	2.00	2.06	
145 Pentachlorophenol	266	9.609	9.613	-0.004	93	32241	2.00	1.89	
148 n-Octadecane	57	9.609	9.613	-0.004	92	108067	1.00	1.04	
151 Phenanthrene	178	9.780	9.778	0.002	97	295001	1.00	1.04	
152 Anthracene	178	9.823	9.826	-0.003	98	296782	1.00	1.07	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
153 Carbazole	167	9.951	9.955	-0.003	95	245622	1.00	1.09	
157 Di-n-butyl phthalate	149	10.197	10.200	-0.003	100	283038	1.00	1.01	
164 Fluoranthene	202	10.779	10.777	0.002	98	305507	1.00	1.02	
166 Benzidine	184	10.870	10.868	0.002	99	236245	2.00	2.11	
167 Pyrene	202	10.976	10.975	0.001	97	318469	1.00	1.05	
174 Butyl benzyl phthalate	149	11.511	11.509	0.002	96	109384	1.00	1.00	
181 Bis(2-ethylhexyl) phthalate	149	12.125	12.123	0.002	95	161377	1.00	0.99	
179 3,3'-Dichlorobenzidine	252	12.125	12.123	0.002	73	203554	2.00	1.98	
180 Benzo[a]anthracene	228	12.178	12.177	0.001	99	301287	1.00	1.03	
182 Chrysene	228	12.221	12.225	-0.004	97	304305	1.00	1.06	
184 Di-n-octyl phthalate	149	12.953	12.951	0.002	99	234173	1.00	0.9692	
186 Benzo[b]fluoranthene	252	13.605	13.609	-0.004	97	280756	1.00	0.9843	
187 Benzo[k]fluoranthene	252	13.642	13.641	0.001	99	294040	1.00	1.02	
189 Benzo[a]pyrene	252	14.080	14.084	-0.004	78	238544	1.00	0.9797	
194 Dibenz(a,h)anthracene	278	15.768	15.772	-0.004	84	278422	1.00	1.02	
193 Indeno[1,2,3-cd]pyrene	276	15.763	15.772	-0.009	94	328235	1.00	0.9697	
195 Benzo[g,h,i]perylene	276	16.169	16.178	-0.009	96	274697	1.00	0.9787	
S 261 Total Cresols	1				0			2.07	

QC Flag Legend

Processing Flags

Reagents:

MB_L1LVI_WRK_00470	Amount Added: 1.00	Units: mL	
MB_LLIS_WRK_00208	Amount Added: 20.00	Units: uL	Run Reagent

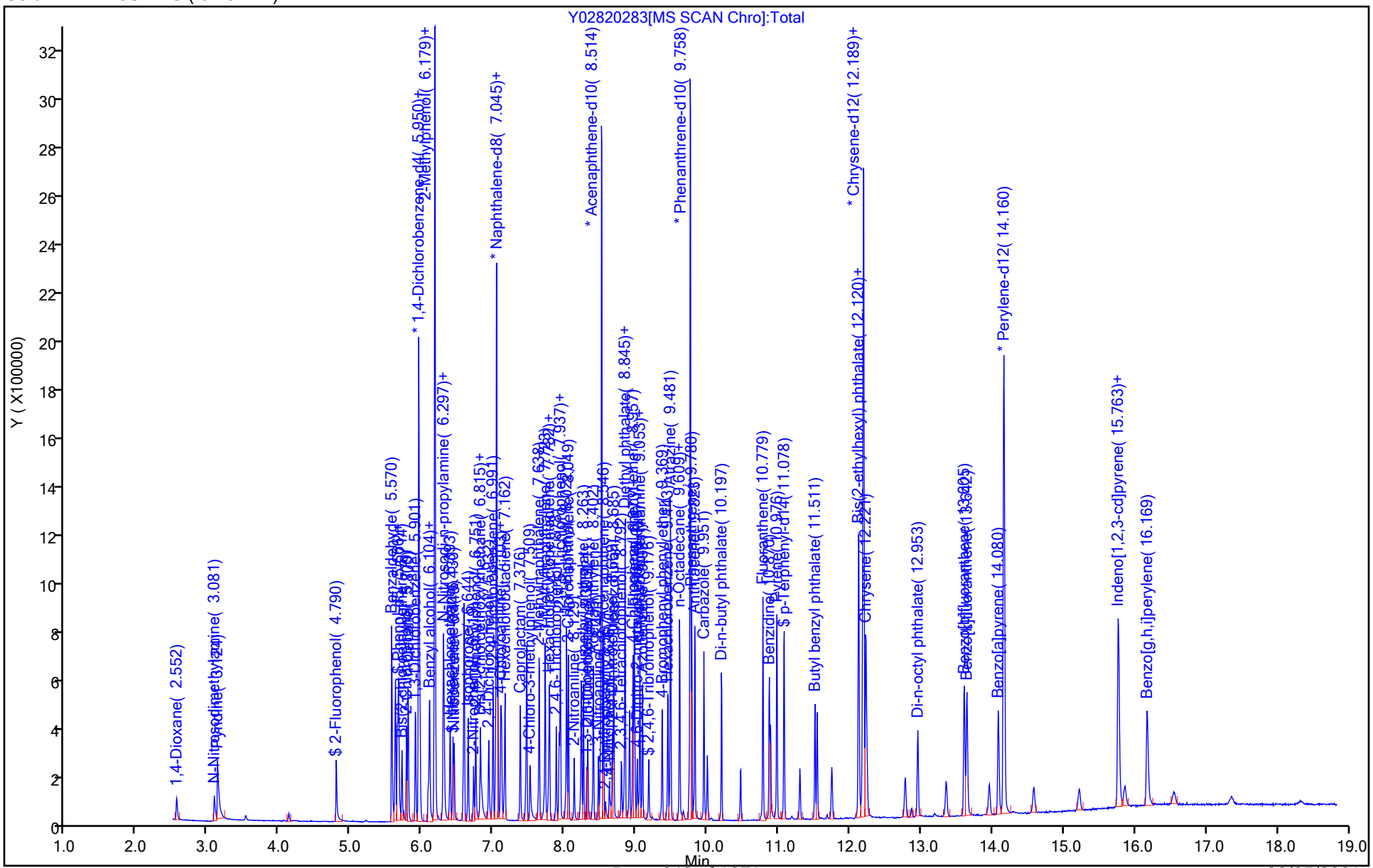
Report Date: 23-Feb-2021 15:17:15 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y02820283.D

Injection Date:	18-Feb-2021 13:05:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	IC - List 1 - 1			Worklist Smp#:	5
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y02820284.D
Lims ID: IC - List 1 - 2
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 18-Feb-2021 13:35:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 480-0096734-006
Operator ID: JM Instrument ID: HP5973Y
Sublist: chrom-Y-LVI-8270*sub36

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 23-Feb-2021 15:17:28 Calib Date: 18-Feb-2021 23:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y02820304.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1615

First Level Reviewer: marshallj Date: 23-Feb-2021 12:46:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.950	5.948	0.002	95	305719	4.00	4.00	
* 2 Naphthalene-d8	136	7.040	7.043	-0.003	100	1090526	4.00	4.00	
* 3 Acenaphthene-d10	164	8.519	8.517	0.002	95	619168	4.00	4.00	
* 4 Phenanthrene-d10	188	9.759	9.805	-0.046	97	1100158	4.00	4.00	
* 5 Chrysene-d12	240	12.195	12.193	0.002	99	1052891	4.00	4.00	
* 6 Perylene-d12	264	14.161	14.159	0.002	97	1022179	4.00	4.00	
$ 7 2-Fluorophenol	112	4.791	4.794	-0.003	93	164386	2.00	1.93	
$ 8 Phenol-d5	99	5.645	5.649	-0.004	0	218565	2.00	2.02	
$ 9 Nitrobenzene-d5	82	6.431	6.434	-0.003	90	182095	2.00	1.99	
$ 10 2-Fluorobiphenyl	172	7.937	7.935	0.002	98	423481	2.00	2.02	
$ 11 2,4,6-Tribromophenol	330	9.177	9.180	-0.003	93	62185	2.00	1.87	
$ 12 p-Terphenyl-d14	244	11.078	11.076	0.002	98	508737	2.00	1.98	
13 1,4-Dioxane	88	2.547	2.550	-0.003	97	77752	2.00	1.98	
14 N-Nitrosodimethylamine	42	3.070	3.079	-0.009	90	98893	2.00	1.97	
15 Pyridine	52	3.108	3.133	-0.025	92	227818	4.00	4.02	
35 Benzaldehyde	77	5.571	5.574	-0.003	96	318283	4.00	4.33	
37 Phenol	94	5.656	5.665	-0.009	97	237505	2.00	2.05	
36 Aniline	93	5.667	5.670	-0.003	96	265422	2.00	2.03	
39 Bis(2-chloroethyl)ether	93	5.715	5.713	0.002	94	181843	2.00	2.03	
40 2-Chlorophenol	128	5.779	5.782	-0.003	96	184586	2.00	1.96	
41 n-Decane	57	5.800	5.804	-0.004	94	209528	2.00	2.06	
43 1,3-Dichlorobenzene	146	5.902	5.905	-0.003	99	226921	2.00	2.03	
44 1,4-Dichlorobenzene	146	5.966	5.964	0.002	95	228219	2.00	2.02	
45 Benzyl alcohol	108	6.078	6.087	-0.009	93	88672	2.00	1.93	
46 1,2-Dichlorobenzene	146	6.099	6.103	-0.004	98	218394	2.00	2.02	
47 Indene	115	6.180	6.178	0.002	90	1651539	10.0	11.1	
49 2,2'-oxybis[1-chloropropane]	45	6.180	6.178	0.002	91	286253	2.00	2.25	
48 2-Methylphenol	108	6.174	6.178	-0.004	94	161211	2.00	2.06	
53 N-Nitrosodi-n-propylamine	70	6.292	6.295	-0.003	94	121950	2.00	2.04	
52 Acetophenone	105	6.297	6.300	-0.003	94	238033	2.00	2.03	
57 4-Methylphenol	108	6.302	6.311	-0.009	94	166554	2.00	2.08	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
58 Hexachloroethane	117	6.393	6.391	0.002	92	85230	2.00	1.97	
59 Nitrobenzene	77	6.447	6.450	-0.003	89	189658	2.00	2.04	
62 Isophorone	82	6.644	6.642	0.002	99	323001	2.00	2.03	
64 2-Nitrophenol	139	6.719	6.723	-0.004	92	87864	2.00	1.91	
66 2,4-Dimethylphenol	107	6.746	6.749	-0.003	95	174058	2.00	2.01	
69 Bis(2-chloroethoxy)methane	93	6.815	6.813	0.002	96	196146	2.00	1.97	
70 Benzoic acid	105	6.847	6.824	0.023	92	215733	10.0	8.96	
72 2,4-Dichlorophenol	162	6.933	6.931	0.002	92	158235	2.00	1.96	
73 1,2,4-Trichlorobenzene	180	6.992	6.995	-0.003	94	196631	2.00	1.98	
74 Naphthalene	128	7.061	7.059	0.002	98	545341	2.00	2.01	
76 4-Chloroaniline	127	7.098	7.102	-0.004	97	214417	2.00	2.04	
77 2,6-Dichlorophenol	162	7.114	7.112	0.002	97	154789	2.00	1.97	
79 Hexachlorobutadiene	225	7.163	7.161	0.002	95	120253	2.00	1.93	
84 Caprolactam	113	7.387	7.369	0.018	76	96152	4.00	3.97	
85 4-Chloro-3-methylphenol	107	7.510	7.513	-0.003	96	135702	2.00	1.99	
87 2-Methylnaphthalene	142	7.643	7.641	0.002	91	369510	2.00	2.00	
89 1-Methylnaphthalene	142	7.723	7.727	-0.004	92	344329	2.00	2.01	
90 Hexachlorocyclopentadiene	237	7.772	7.775	-0.003	94	52904	2.00	1.82	
91 1,2,4,5-Tetrachlorobenzene	216	7.788	7.786	0.002	97	204518	2.00	1.99	
93 2,4,6-Trichlorophenol	196	7.878	7.882	-0.004	91	109233	2.00	1.94	
94 2,4,5-Trichlorophenol	196	7.921	7.919	0.002	95	124919	2.00	2.03	
96 1,1'-Biphenyl	154	8.023	8.026	-0.003	96	471073	2.00	2.09	
97 2-Chloronaphthalene	162	8.049	8.053	-0.004	95	362988	2.00	2.01	
100 2-Nitroaniline	65	8.129	8.133	-0.004	89	82938	2.00	1.93	
105 Dimethyl phthalate	163	8.263	8.261	0.002	99	397174	2.00	2.04	
106 1,3-Dinitrobenzene	168	8.306	8.309	-0.003	84	49138	2.00	1.85	
107 2,6-Dinitrotoluene	165	8.322	8.325	-0.003	94	85339	2.00	2.02	
108 Acenaphthylene	152	8.402	8.400	0.002	98	527562	2.00	2.07	
109 3-Nitroaniline	138	8.471	8.475	-0.004	96	79550	2.00	1.94	
110 Acenaphthene	153	8.546	8.544	0.002	95	371434	2.00	2.07	
111 2,4-Dinitrophenol	184	8.568	8.576	-0.008	80	43323	4.00	3.70	
112 4-Nitrophenol	109	8.621	8.630	-0.009	89	54243	4.00	3.48	
114 2,4-Dinitrotoluene	165	8.669	8.667	0.002	95	103344	2.00	1.94	
115 Dibenzofuran	168	8.685	8.688	-0.003	97	506673	2.00	2.00	
118 2,3,4,6-Tetrachlorophenol	232	8.792	8.795	-0.003	70	82636	2.00	1.92	
120 Diethyl phthalate	149	8.845	8.843	0.002	98	391792	2.00	2.09	
121 Hexadecane	57	8.845	8.843	0.002	91	228235	2.00	2.08	
123 4-Chlorophenyl phenyl ether	204	8.958	8.956	0.002	88	215953	2.00	2.05	
124 Fluorene	166	8.974	8.972	0.002	94	423700	2.00	2.09	
126 4-Nitroaniline	138	8.984	8.988	-0.004	87	81322	2.00	1.94	
127 4,6-Dinitro-2-methylphenol	198	9.016	9.014	0.002	92	91580	4.00	3.67	
129 Diphenylamine	169	9.054	9.052	0.002	93	286675	1.71	1.77	
130 N-Nitrosodiphenylamine	169	9.054	9.052	0.002	64	286675	2.00	2.06	
132 Azobenzene	77	9.091	9.089	0.002	99	382857	2.00	2.13	
131 1,2-Diphenylhydrazine	77	9.091	9.089	0.002	44	382921	2.00	2.13	
139 4-Bromophenyl phenyl ether	248	9.369	9.367	0.002	65	126351	2.00	2.02	
140 Hexachlorobenzene	284	9.449	9.447	0.002	97	149285	2.00	2.01	
143 Atrazine	200	9.481	9.484	-0.003	94	226818	4.00	4.07	
145 Pentachlorophenol	266	9.609	9.613	-0.004	95	82641	4.00	3.30	
148 n-Octadecane	57	9.609	9.613	-0.004	93	222084	2.00	2.07	
151 Phenanthrene	178	9.780	9.778	0.002	98	587375	2.00	2.01	
152 Anthracene	178	9.823	9.826	-0.003	97	614411	2.00	2.12	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
153 Carbazole	167	9.951	9.955	-0.003	95	449042	2.00	1.96	
157 Di-n-butyl phthalate	149	10.202	10.200	0.002	99	621211	2.00	2.07	
164 Fluoranthene	202	10.779	10.777	0.002	98	646556	2.00	2.08	
166 Benzidine	184	10.870	10.868	0.002	99	454068	4.00	3.80	
167 Pyrene	202	10.977	10.975	0.002	98	663385	2.00	2.04	
174 Butyl benzyl phthalate	149	11.511	11.509	0.002	96	246472	2.00	1.93	
181 Bis(2-ethylhexyl) phthalate	149	12.125	12.123	0.002	96	364079	2.00	1.93	
179 3,3'-Dichlorobenzidine	252	12.125	12.123	0.002	72	390351	4.00	3.56	
180 Benzo[a]anthracene	228	12.179	12.177	0.002	99	639542	2.00	2.04	
182 Chrysene	228	12.222	12.225	-0.003	97	606656	2.00	1.99	
184 Di-n-octyl phthalate	149	12.953	12.951	0.002	99	547873	2.00	1.87	
186 Benzo[b]fluoranthene	252	13.605	13.609	-0.004	97	601137	2.00	2.01	
187 Benzo[k]fluoranthene	252	13.637	13.641	-0.004	99	607380	2.00	2.04	
189 Benzo[a]pyrene	252	14.081	14.084	-0.003	79	509573	2.00	1.98	
194 Dibenz(a,h)anthracene	278	15.763	15.772	-0.009	88	579867	2.00	1.96	
193 Indeno[1,2,3-cd]pyrene	276	15.763	15.772	-0.009	94	705875	2.00	1.98	
195 Benzo[g,h,i]perylene	276	16.169	16.178	-0.009	97	594461	2.00	2.02	
S 261 Total Cresols	1				0			4.14	

QC Flag Legend

Processing Flags

Reagents:

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MB_LLIS_WRK_00208	Amount Added: 20.00	Units: uL	Run Reagent

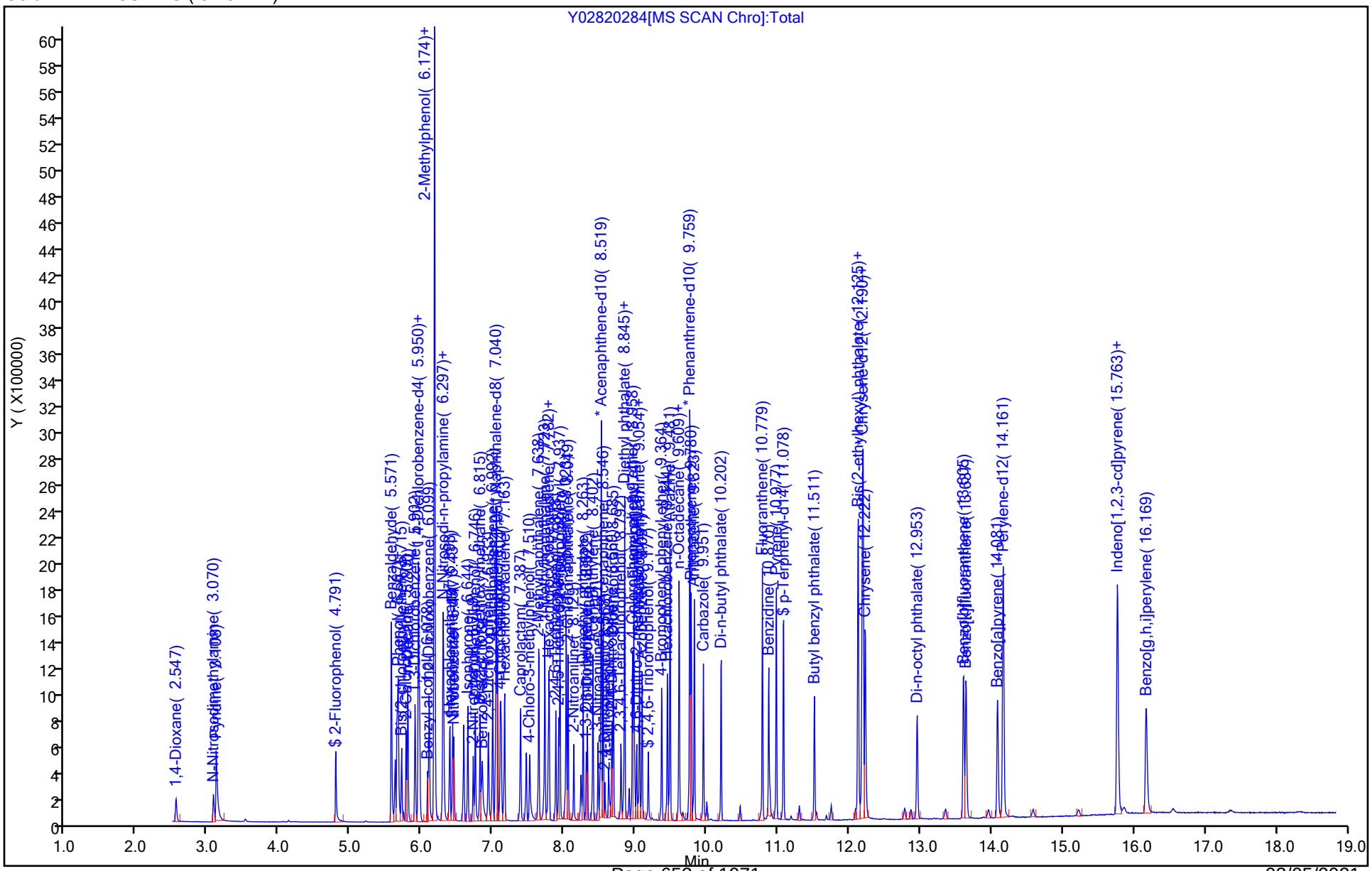
Report Date: 23-Feb-2021 15:17:29 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y02820284.D

Injection Date:	18-Feb-2021 13:35:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	IC - List 1 - 2			Worklist Smp#:	6
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y02820285.D
Lims ID: ICIS - List 1 - 4
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 18-Feb-2021 14:03:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 480-0096734-007
Operator ID: JM Instrument ID: HP5973Y
Sublist: chrom-Y-LVI-8270*sub36

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 23-Feb-2021 15:17:40 Calib Date: 18-Feb-2021 23:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y02820304.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1615

First Level Reviewer: marshallj Date: 18-Feb-2021 15:22:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.950	5.950	0.000	96	306680	4.00	4.00	
* 2 Naphthalene-d8	136	7.045	7.045	0.000	99	1088103	4.00	4.00	
* 3 Acenaphthene-d10	164	8.520	8.520	0.000	94	637244	4.00	4.00	
* 4 Phenanthrene-d10	188	9.764	9.764	0.000	96	1137350	4.00	4.00	
* 5 Chrysene-d12	240	12.195	12.195	0.000	99	1076303	4.00	4.00	
* 6 Perylene-d12	264	14.161	14.161	0.000	98	1077476	4.00	4.00	
$ 7 2-Fluorophenol	112	4.786	4.786	0.000	92	353597	4.00	4.03	
$ 8 Phenol-d5	99	5.646	5.646	0.000	0	448634	4.00	4.10	
$ 9 Nitrobenzene-d5	82	6.431	6.431	0.000	90	367685	4.00	4.03	
$ 10 2-Fluorobiphenyl	172	7.937	7.937	0.000	99	869833	4.00	4.03	
$ 11 2,4,6-Tribromophenol	330	9.177	9.177	0.000	93	139252	4.00	3.86	
$ 12 p-Terphenyl-d14	244	11.079	11.079	0.000	98	1055697	4.00	4.03	
13 1,4-Dioxane	88	2.547	2.547	0.000	97	159324	4.00	4.05	
14 N-Nitrosodimethylamine	42	3.071	3.071	0.000	90	208297	4.00	4.13	
15 Pyridine	52	3.108	3.108	0.000	92	466918	8.00	8.01	
35 Benzaldehyde	77	5.571	5.571	0.000	95	606960	8.00	8.23	
37 Phenol	94	5.656	5.656	0.000	98	478785	4.00	4.13	
36 Aniline	93	5.667	5.667	0.000	98	540338	4.00	4.13	
39 Bis(2-chloroethyl)ether	93	5.715	5.715	0.000	93	367301	4.00	4.09	
40 2-Chlorophenol	128	5.779	5.779	0.000	96	386626	4.00	4.10	
41 n-Decane	57	5.801	5.801	0.000	95	416703	4.00	4.09	
43 1,3-Dichlorobenzene	146	5.902	5.902	0.000	99	456154	4.00	4.06	
44 1,4-Dichlorobenzene	146	5.966	5.966	0.000	94	465890	4.00	4.10	
45 Benzyl alcohol	108	6.078	6.078	0.000	92	195368	4.00	3.98	
46 1,2-Dichlorobenzene	146	6.100	6.100	0.000	98	440073	4.00	4.06	
48 2-Methylphenol	108	6.174	6.174	0.000	83	335539	4.00	4.27	
47 Indene	115	6.180	6.180	0.000	92	3106201	20.0	20.8	
49 2,2'-oxybis[1-chloropropane]	45	6.180	6.180	0.000	90	550052	4.00	4.31	
53 N-Nitrosodi-n-propylamine	70	6.292	6.292	0.000	94	246976	4.00	4.08	
52 Acetophenone	105	6.297	6.297	0.000	96	482085	4.00	4.09	
57 4-Methylphenol	108	6.303	6.303	0.000	95	335206	4.00	4.14	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
58 Hexachloroethane	117	6.388	6.388	0.000	94	174798	4.00	4.02	
59 Nitrobenzene	77	6.447	6.447	0.000	88	373366	4.00	4.02	
62 Isophorone	82	6.645	6.645	0.000	99	649294	4.00	4.09	
64 2-Nitrophenol	139	6.719	6.719	0.000	93	188492	4.00	3.93	
66 2,4-Dimethylphenol	107	6.751	6.751	0.000	95	347392	4.00	4.03	
69 Bis(2-chloroethoxy)methane	93	6.816	6.816	0.000	97	404354	4.00	4.08	
70 Benzoic acid	105	6.874	6.874	0.000	89	659710	20.0	17.4	
72 2,4-Dichlorophenol	162	6.933	6.933	0.000	92	328723	4.00	4.00	
73 1,2,4-Trichlorobenzene	180	6.992	6.992	0.000	93	395135	4.00	3.99	
74 Naphthalene	128	7.061	7.061	0.000	97	1089281	4.00	4.03	
76 4-Chloroaniline	127	7.099	7.099	0.000	97	427475	4.00	4.07	
77 2,6-Dichlorophenol	162	7.115	7.115	0.000	98	316344	4.00	4.03	
79 Hexachlorobutadiene	225	7.163	7.163	0.000	95	250331	4.00	4.02	
84 Caprolactam	113	7.403	7.403	0.000	76	199653	8.00	8.03	
85 4-Chloro-3-methylphenol	107	7.510	7.510	0.000	95	283078	4.00	4.02	
87 2-Methylnaphthalene	142	7.638	7.638	0.000	92	736265	4.00	4.00	
89 1-Methylnaphthalene	142	7.724	7.724	0.000	92	675126	4.00	3.96	
90 Hexachlorocyclopentadiene	237	7.772	7.772	0.000	92	144479	4.00	3.54	
91 1,2,4,5-Tetrachlorobenzene	216	7.788	7.788	0.000	96	422843	4.00	3.99	
93 2,4,6-Trichlorophenol	196	7.879	7.879	0.000	92	230435	4.00	3.84	
94 2,4,5-Trichlorophenol	196	7.921	7.921	0.000	95	273241	4.00	4.13	
96 1,1'-Biphenyl	154	8.023	8.023	0.000	96	911074	4.00	3.93	
97 2-Chloronaphthalene	162	8.050	8.050	0.000	96	730763	4.00	3.93	
100 2-Nitroaniline	65	8.130	8.130	0.000	87	181778	4.00	3.95	
105 Dimethyl phthalate	163	8.263	8.263	0.000	99	808903	4.00	4.04	
106 1,3-Dinitrobenzene	168	8.306	8.306	0.000	85	111830	4.00	3.92	
107 2,6-Dinitrotoluene	165	8.322	8.322	0.000	94	185402	4.00	4.12	
108 Acenaphthylene	152	8.402	8.402	0.000	98	1088959	4.00	4.15	
109 3-Nitroaniline	138	8.472	8.472	0.000	96	177314	4.00	4.03	
110 Acenaphthene	153	8.546	8.546	0.000	95	728077	4.00	3.94	
111 2,4-Dinitrophenol	184	8.568	8.568	0.000	84	125503	8.00	6.93	
112 4-Nitrophenol	109	8.621	8.621	0.000	90	136271	8.00	7.13	
114 2,4-Dinitrotoluene	165	8.669	8.669	0.000	95	226728	4.00	3.94	
115 Dibenzofuran	168	8.685	8.685	0.000	97	1044974	4.00	4.02	
118 2,3,4,6-Tetrachlorophenol	232	8.792	8.792	0.000	70	178128	4.00	3.76	
120 Diethyl phthalate	149	8.846	8.846	0.000	98	781811	4.00	4.05	
121 Hexadecane	57	8.846	8.846	0.000	92	455842	4.00	4.05	
123 4-Chlorophenyl phenyl ether	204	8.958	8.958	0.000	89	424199	4.00	3.90	
124 Fluorene	166	8.974	8.974	0.000	93	829777	4.00	3.97	
126 4-Nitroaniline	138	8.984	8.984	0.000	88	176981	4.00	3.96	
127 4,6-Dinitro-2-methylphenol	198	9.016	9.016	0.000	92	220210	8.00	7.69	
129 Diphenylamine	169	9.054	9.054	0.000	92	572416	3.42	3.41	
130 N-Nitrosodiphenylamine	169	9.054	9.054	0.000	65	572416	4.00	3.99	
132 Azobenzene	77	9.091	9.091	0.000	99	762436	4.00	4.11	
131 1,2-Diphenylhydrazine	77	9.091	9.091	0.000	41	762436	4.00	4.11	
139 4-Bromophenyl phenyl ether	248	9.369	9.369	0.000	64	258790	4.00	3.99	
140 Hexachlorobenzene	284	9.449	9.449	0.000	96	305284	4.00	3.98	
143 Atrazine	200	9.487	9.487	0.000	93	493217	8.00	8.60	
145 Pentachlorophenol	266	9.609	9.609	0.000	93	214918	8.00	6.88	
148 n-Octadecane	57	9.609	9.609	0.000	92	464369	4.00	4.18	
151 Phenanthrene	178	9.780	9.780	0.000	98	1212651	4.00	4.01	
152 Anthracene	178	9.823	9.823	0.000	98	1194264	4.00	3.97	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
153 Carbazole	167	9.951	9.951	0.000	96	891685	4.00	3.82	
157 Di-n-butyl phthalate	149	10.202	10.202	0.000	100	1304296	4.00	4.14	
164 Fluoranthene	202	10.779	10.779	0.000	98	1328757	4.00	4.11	
166 Benzidine	184	10.870	10.870	0.000	99	927270	8.00	7.59	
167 Pyrene	202	10.977	10.977	0.000	97	1356864	4.00	4.08	
174 Butyl benzyl phthalate	149	11.511	11.511	0.000	96	527756	4.00	3.89	
181 Bis(2-ethylhexyl) phthalate	149	12.126	12.126	0.000	95	811617	4.00	4.03	
179 3,3'-Dichlorobenzidine	252	12.126	12.126	0.000	72	842401	8.00	7.52	
180 Benzo[a]anthracene	228	12.179	12.179	0.000	99	1291811	4.00	4.02	
182 Chrysene	228	12.227	12.227	0.000	96	1225608	4.00	3.95	
184 Di-n-octyl phthalate	149	12.954	12.954	0.000	99	1273786	4.00	3.98	
186 Benzo[b]fluoranthene	252	13.605	13.605	0.000	97	1258408	4.00	3.95	
187 Benzo[k]fluoranthene	252	13.643	13.643	0.000	99	1262784	4.00	4.00	
189 Benzo[a]pyrene	252	14.081	14.081	0.000	84	1126991	4.00	4.10	
194 Dibenz(a,h)anthracene	278	15.769	15.769	0.000	87	1263734	4.00	3.96	
193 Indeno[1,2,3-cd]pyrene	276	15.764	15.764	0.000	97	1512536	4.00	4.00	
195 Benzo[g,h,i]perylene	276	16.170	16.170	0.000	93	1249495	4.00	4.00	

QC Flag Legend

Processing Flags

Reagents:

MB_L1LVI_WRK_00472	Amount Added: 1.00	Units: mL	
MB_LLIS_WRK_00208	Amount Added: 20.00	Units: uL	Run Reagent

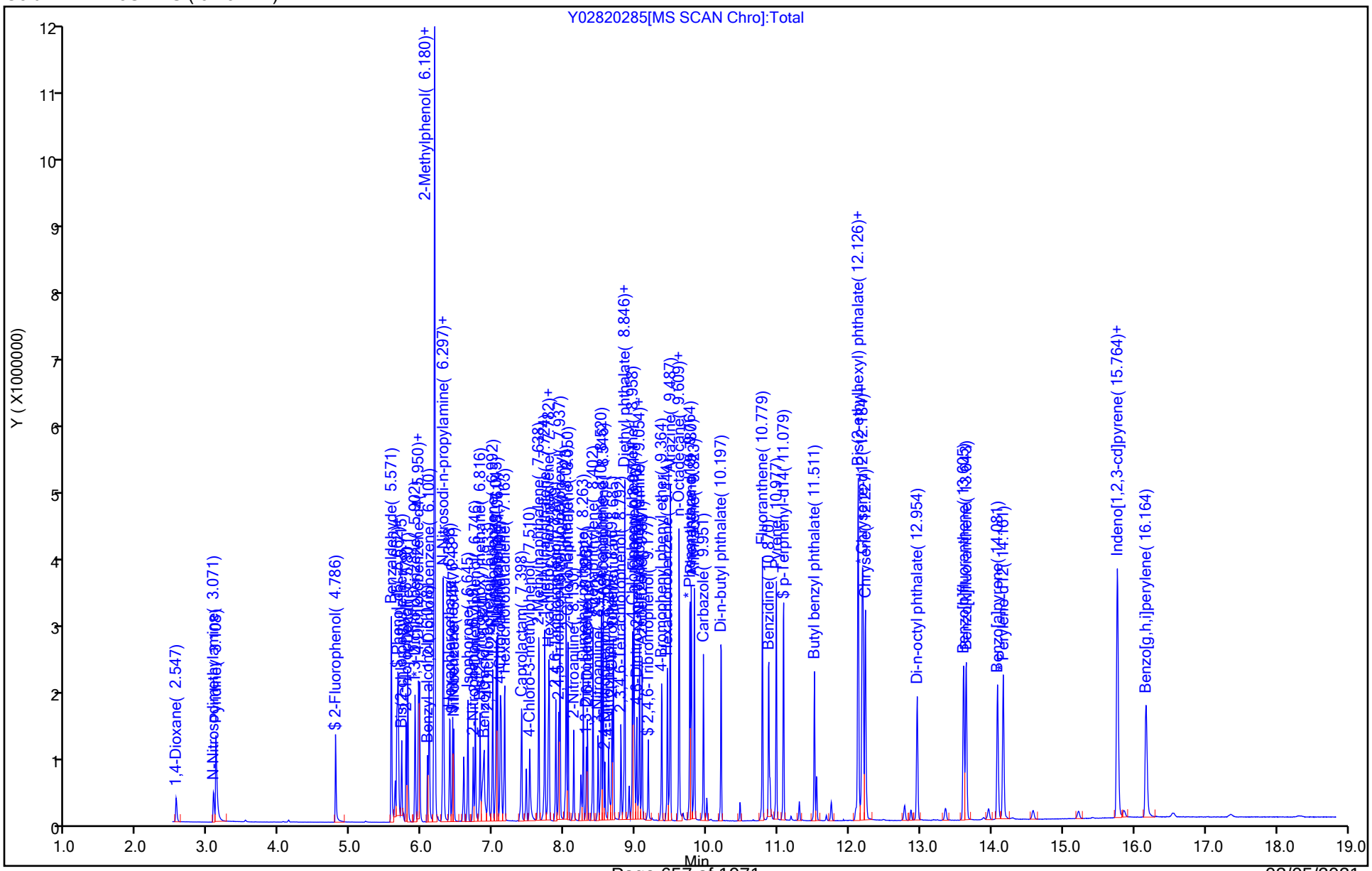
Report Date: 23-Feb-2021 15:17:42 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y02820285.D

Injection Date:	18-Feb-2021 14:03:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	ICIS - List 1 - 4			Worklist Smp#:	7
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y02820286.D
Lims ID: IC - List 1 - 8
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 18-Feb-2021 14:32:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 480-0096734-008
Operator ID: JM Instrument ID: HP5973Y
Sublist: chrom-Y-LVI-8270*sub36

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 23-Feb-2021 15:17:57 Calib Date: 18-Feb-2021 23:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y02820304.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1615

First Level Reviewer: marshallj Date: 23-Feb-2021 12:49:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.954	5.950	0.004	94	311580	4.00	4.00	
* 2 Naphthalene-d8	136	7.043	7.045	-0.002	99	1115385	4.00	4.00	
* 3 Acenaphthene-d10	164	8.518	8.520	-0.002	95	656514	4.00	4.00	
* 4 Phenanthrene-d10	188	9.763	9.764	-0.001	97	1171369	4.00	4.00	
* 5 Chrysene-d12	240	12.199	12.195	0.004	99	1119358	4.00	4.00	
* 6 Perylene-d12	264	14.164	14.161	0.003	98	1154011	4.00	4.00	
$ 7 2-Fluorophenol	112	4.784	4.786	-0.002	92	734547	8.00	8.13	
$ 8 Phenol-d5	99	5.649	5.646	0.003	0	907520	8.00	8.11	
$ 9 Nitrobenzene-d5	82	6.429	6.431	-0.002	89	765283	8.00	8.19	
$ 10 2-Fluorobiphenyl	172	7.941	7.937	0.004	99	1753874	8.00	7.90	
$ 11 2,4,6-Tribromophenol	330	9.180	9.177	0.003	92	306077	8.00	8.06	
$ 12 p-Terphenyl-d14	244	11.077	11.079	-0.002	98	2153051	8.00	7.89	
13 1,4-Dioxane	88	2.545	2.547	-0.002	96	318345	8.00	7.96	
14 N-Nitrosodimethylamine	42	3.074	3.071	0.003	89	424423	8.00	8.28	
15 Pyridine	52	3.101	3.108	-0.007	93	958909	16.0	16.0	
35 Benzaldehyde	77	5.569	5.571	-0.002	95	1205486	16.0	16.1	
37 Phenol	94	5.660	5.656	0.004	94	941246	8.00	7.99	
36 Aniline	93	5.670	5.667	0.003	91	1062973	8.00	7.99	
39 Bis(2-chloroethyl)ether	93	5.719	5.715	0.004	94	723328	8.00	7.93	
40 2-Chlorophenol	128	5.777	5.779	-0.002	96	782049	8.00	8.17	
41 n-Decane	57	5.804	5.801	0.003	95	812093	8.00	7.84	
43 1,3-Dichlorobenzene	146	5.906	5.902	0.004	98	895680	8.00	7.86	
44 1,4-Dichlorobenzene	146	5.964	5.966	-0.002	93	910069	8.00	7.89	
45 Benzyl alcohol	108	6.076	6.078	-0.002	92	421924	8.00	8.20	
46 1,2-Dichlorobenzene	146	6.103	6.100	0.003	98	875788	8.00	7.95	
48 2-Methylphenol	108	6.173	6.174	-0.001	95	653900	8.00	8.20	
49 2,2'-oxybis[1-chloropropane]	45	6.183	6.180	0.003	92	966698	8.00	7.45	
47 Indene	115	6.183	6.180	0.003	90	5693432	40.0	37.5	
53 N-Nitrosodi-n-propylamine	70	6.296	6.292	0.004	93	500573	8.00	8.10	
52 Acetophenone	105	6.301	6.297	0.004	93	959982	8.00	8.02	
57 4-Methylphenol	108	6.306	6.303	0.003	97	660798	8.00	8.01	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
58 Hexachloroethane	117	6.392	6.388	0.004	92	355458	8.00	8.04	
59 Nitrobenzene	77	6.450	6.447	0.003	89	766914	8.00	8.06	
62 Isophorone	82	6.648	6.645	0.003	98	1318039	8.00	8.09	
64 2-Nitrophenol	139	6.718	6.719	-0.001	94	399590	8.00	7.96	
66 2,4-Dimethylphenol	107	6.750	6.751	-0.001	95	733807	8.00	8.30	
69 Bis(2-chloroethoxy)methane	93	6.819	6.816	0.003	97	816055	8.00	8.03	
70 Benzoic acid	105	6.910	6.874	0.036	88	1768164	40.0	37.7	
72 2,4-Dichlorophenol	162	6.931	6.933	-0.002	91	687706	8.00	8.07	
73 1,2,4-Trichlorobenzene	180	6.995	6.992	0.003	94	804274	8.00	7.93	
74 Naphthalene	128	7.059	7.061	-0.002	98	2210135	8.00	7.98	
76 4-Chloroaniline	127	7.102	7.099	0.003	96	870583	8.00	8.09	
77 2,6-Dichlorophenol	162	7.113	7.115	-0.002	98	659299	8.00	8.19	
79 Hexachlorobutadiene	225	7.161	7.163	-0.002	96	508065	8.00	7.96	
84 Caprolactam	113	7.423	7.403	0.020	76	418557	16.0	16.2	
85 4-Chloro-3-methylphenol	107	7.514	7.510	0.004	95	583893	8.00	7.94	
87 2-Methylnaphthalene	142	7.642	7.638	0.004	93	1551171	8.00	8.22	
89 1-Methylnaphthalene	142	7.727	7.724	0.003	92	1379801	8.00	7.89	
90 Hexachlorocyclopentadiene	237	7.775	7.772	0.003	94	374724	8.00	7.72	
91 1,2,4,5-Tetrachlorobenzene	216	7.786	7.788	-0.002	97	873854	8.00	8.01	
93 2,4,6-Trichlorophenol	196	7.882	7.879	0.003	91	499811	8.00	7.95	
94 2,4,5-Trichlorophenol	196	7.920	7.921	-0.001	96	559353	8.00	8.06	
96 1,1'-Biphenyl	154	8.026	8.023	0.003	96	1878425	8.00	7.87	
97 2-Chloronaphthalene	162	8.053	8.050	0.003	95	1513164	8.00	7.90	
100 2-Nitroaniline	65	8.133	8.130	0.003	87	386416	8.00	7.99	
105 Dimethyl phthalate	163	8.267	8.263	0.004	99	1640205	8.00	7.94	
106 1,3-Dinitrobenzene	168	8.309	8.306	0.003	85	249043	8.00	8.24	
107 2,6-Dinitrotoluene	165	8.326	8.322	0.004	94	381441	8.00	8.12	
108 Acenaphthylene	152	8.400	8.402	-0.002	98	2210504	8.00	8.18	
109 3-Nitroaniline	138	8.475	8.472	0.003	95	365892	8.00	7.93	
110 Acenaphthene	153	8.545	8.546	-0.001	96	1491388	8.00	7.84	
111 2,4-Dinitrophenol	184	8.571	8.568	0.003	86	329329	16.0	14.7	
112 4-Nitrophenol	109	8.625	8.621	0.004	89	325148	16.0	15.3	
114 2,4-Dinitrotoluene	165	8.673	8.669	0.004	95	488915	8.00	8.05	
115 Dibenzofuran	168	8.689	8.685	0.004	97	2113083	8.00	7.88	
118 2,3,4,6-Tetrachlorophenol	232	8.796	8.792	0.004	70	410650	8.00	8.13	
120 Diethyl phthalate	149	8.849	8.846	0.003	98	1585665	8.00	7.97	
121 Hexadecane	57	8.849	8.846	0.003	69	917290	8.00	7.90	
123 4-Chlorophenyl phenyl ether	204	8.961	8.958	0.003	88	894102	8.00	7.99	
124 Fluorene	166	8.977	8.974	0.003	93	1731371	8.00	8.04	
126 4-Nitroaniline	138	8.993	8.984	0.009	88	386745	8.00	8.25	
127 4,6-Dinitro-2-methylphenol	198	9.020	9.016	0.004	92	512075	16.0	16.5	
129 Diphenylamine	169	9.057	9.054	0.003	94	1213893	6.84	7.02	
130 N-Nitrosodiphenylamine	169	9.057	9.054	0.003	62	1213893	8.00	8.21	
132 Azobenzene	77	9.095	9.091	0.004	99	1533245	8.00	8.02	
131 1,2-Diphenylhydrazine	77	9.095	9.091	0.004	42	1533245	8.00	8.02	
139 4-Bromophenyl phenyl ether	248	9.367	9.369	-0.002	63	548175	8.00	8.22	
140 Hexachlorobenzene	284	9.447	9.449	-0.002	96	639444	8.00	8.10	
143 Atrazine	200	9.490	9.487	0.003	94	983646	16.0	16.6	
145 Pentachlorophenol	266	9.613	9.609	0.004	94	562307	16.0	16.0	
148 n-Octadecane	57	9.613	9.609	0.004	93	938954	8.00	8.21	
151 Phenanthrene	178	9.784	9.780	0.004	98	2447901	8.00	7.85	
152 Anthracene	178	9.827	9.823	0.004	98	2476260	8.00	7.97	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
153 Carbazole	167	9.955	9.951	0.004	96	1966273	8.00	8.25	
157 Di-n-butyl phthalate	149	10.201	10.202	-0.001	100	2689967	8.00	8.23	
164 Fluoranthene	202	10.783	10.779	0.004	98	2706236	8.00	8.10	
166 Benzidine	184	10.874	10.870	0.004	99	2088176	16.0	16.4	
167 Pyrene	202	10.975	10.977	-0.002	96	2752430	8.00	7.95	
174 Butyl benzyl phthalate	149	11.509	11.511	-0.002	96	1171434	8.00	8.14	
181 Bis(2-ethylhexyl) phthalate	149	12.124	12.126	-0.002	95	1747864	8.00	8.18	
179 3,3'-Dichlorobenzidine	252	12.129	12.126	0.003	73	2013813	16.0	17.3	
180 Benzo[a]anthracene	228	12.183	12.179	0.004	99	2674961	8.00	8.01	
182 Chrysene	228	12.231	12.227	0.004	96	2566172	8.00	7.97	
184 Di-n-octyl phthalate	149	12.952	12.954	-0.002	99	2783904	8.00	8.13	
186 Benzo[b]fluoranthene	252	13.609	13.605	0.004	97	2707722	8.00	7.91	
187 Benzo[k]fluoranthene	252	13.646	13.643	0.003	99	2618880	8.00	7.74	
189 Benzo[a]pyrene	252	14.084	14.081	0.003	78	2393577	8.00	8.09	
193 Indeno[1,2,3-cd]pyrene	276	15.772	15.764	0.008	97	3277203	8.00	8.06	
194 Dibenz(a,h)anthracene	278	15.772	15.769	0.003	90	2695526	8.00	7.81	
195 Benzo[g,h,i]perylene	276	16.173	16.170	0.003	98	2686702	8.00	8.00	
S 261 Total Cresols	1				0			16.2	

QC Flag Legend

Processing Flags

Reagents:

MB_L1LVI_WRK_00473	Amount Added: 1.00	Units: mL	
MB_LLIS_WRK_00208	Amount Added: 20.00	Units: uL	Run Reagent

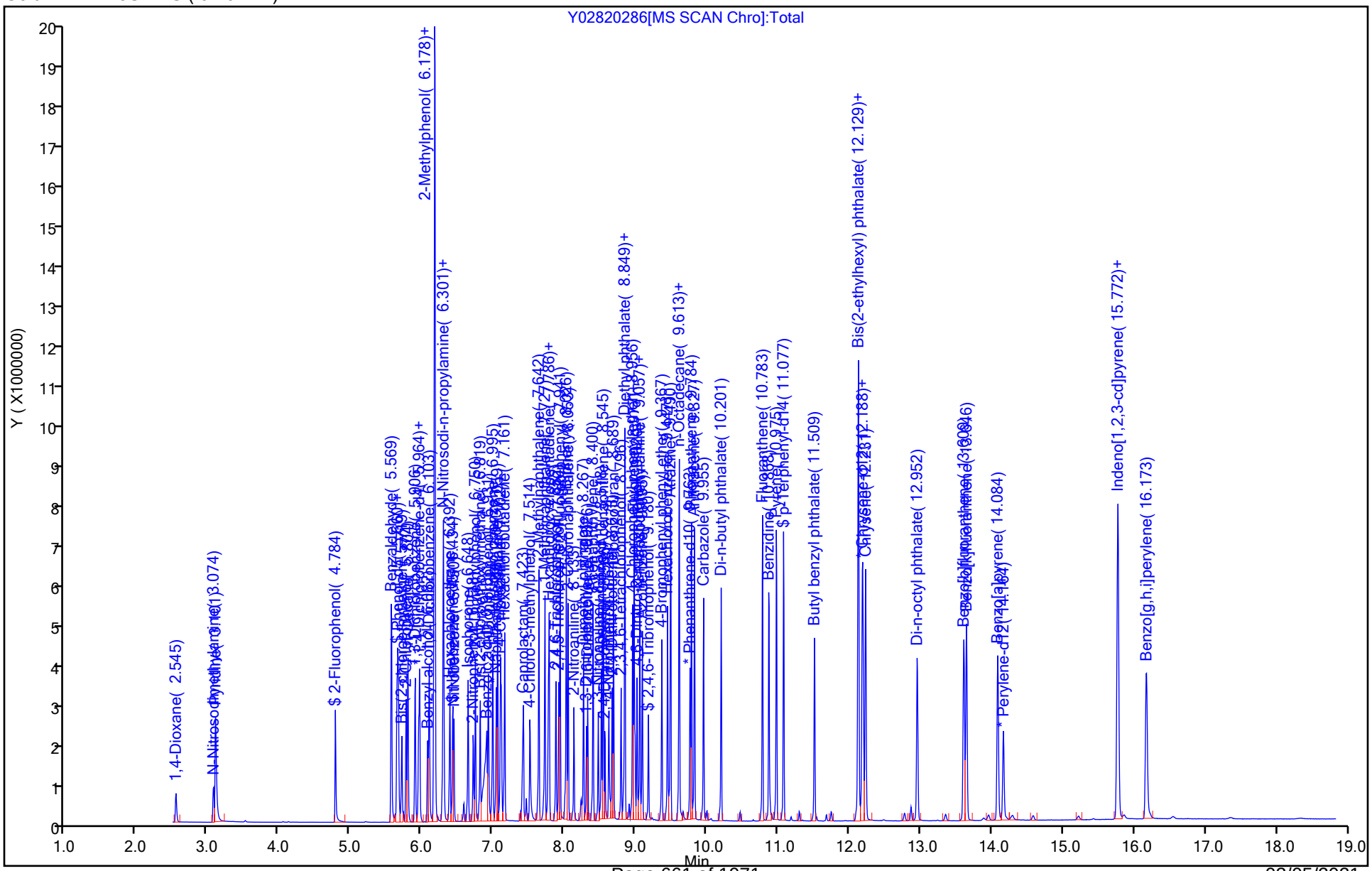
Report Date: 23-Feb-2021 15:17:58 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y02820286.D

Injection Date:	18-Feb-2021 14:32:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	IC - List 1 - 8			Worklist Smp#:	8
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y02820287.D
Lims ID: IC - List 1 - 12
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 18-Feb-2021 15:01:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 480-0096734-009
Operator ID: JM Instrument ID: HP5973Y
Sublist: chrom-Y-LVI-8270*sub36

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 23-Feb-2021 15:18:11 Calib Date: 18-Feb-2021 23:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y02820304.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1615

First Level Reviewer: marshallj Date: 23-Feb-2021 12:51:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.950	5.950	0.000	94	307321	4.00	4.00	
* 2 Naphthalene-d8	136	7.045	7.045	0.000	99	1100651	4.00	4.00	
* 3 Acenaphthene-d10	164	8.519	8.520	-0.001	94	629285	4.00	4.00	
* 4 Phenanthrene-d10	188	9.764	9.764	0.000	96	1175301	4.00	4.00	
* 5 Chrysene-d12	240	12.200	12.195	0.005	99	1084479	4.00	4.00	
* 6 Perylene-d12	264	14.166	14.161	0.005	98	1095572	4.00	4.00	
$ 7 2-Fluorophenol	112	4.785	4.786	-0.001	92	1086815	12.0	12.1	
$ 8 Phenol-d5	99	5.651	5.646	0.005	0	1289118	12.0	11.7	
$ 9 Nitrobenzene-d5	82	6.436	6.431	0.005	89	1151429	12.0	12.5	
$ 10 2-Fluorobiphenyl	172	7.942	7.937	0.005	98	2520862	12.0	11.8	
$ 11 2,4,6-Tribromophenol	330	9.182	9.177	0.005	92	476781	12.0	12.4	
$ 12 p-Terphenyl-d14	244	11.078	11.079	-0.001	98	3265026	12.0	12.4	
13 1,4-Dioxane	88	2.547	2.547	0.000	96	464470	12.0	11.8	
14 N-Nitrosodimethylamine	42	3.081	3.071	0.010	89	614545	12.0	12.1	
15 Pyridine	52	3.102	3.108	-0.006	91	1426893	24.0	24.0	
35 Benzaldehyde	77	5.571	5.571	0.000	95	1613777	24.0	21.8	
37 Phenol	94	5.661	5.656	0.005	94	1397292	12.0	12.0	
36 Aniline	93	5.672	5.667	0.005	92	1523308	12.0	11.6	
39 Bis(2-chloroethyl)ether	93	5.720	5.715	0.005	93	1051103	12.0	11.7	
40 2-Chlorophenol	128	5.779	5.779	0.000	97	1127043	12.0	11.9	
41 n-Decane	57	5.806	5.801	0.005	94	1167941	12.0	11.4	
43 1,3-Dichlorobenzene	146	5.907	5.902	0.005	99	1329741	12.0	11.8	
44 1,4-Dichlorobenzene	146	5.966	5.966	0.000	93	1332216	12.0	11.7	
45 Benzyl alcohol	108	6.083	6.078	0.005	92	623415	12.0	12.2	
46 1,2-Dichlorobenzene	146	6.105	6.100	0.005	97	1277164	12.0	11.8	
48 2-Methylphenol	108	6.180	6.174	0.006	96	863817	12.0	11.0	
49 2,2'-oxybis[1-chloropropane]	45	6.185	6.180	0.005	93	1231487	12.0	9.62	
47 Indene	115	6.185	6.180	0.005	89	7657858	60.0	51.1	
53 N-Nitrosodi-n-propylamine	70	6.297	6.292	0.005	94	718236	12.0	11.8	
52 Acetophenone	105	6.302	6.297	0.005	91	1388161	12.0	11.8	
57 4-Methylphenol	108	6.308	6.303	0.005	96	936477	12.0	11.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
58 Hexachloroethane	117	6.393	6.388	0.005	92	528826	12.0	12.1	
59 Nitrobenzene	77	6.452	6.447	0.005	89	1133415	12.0	12.1	
62 Isophorone	82	6.650	6.645	0.005	98	1929568	12.0	12.0	
64 2-Nitrophenol	139	6.719	6.719	0.000	95	609440	12.0	12.2	
66 2,4-Dimethylphenol	107	6.751	6.751	0.000	96	1064613	12.0	12.2	
69 Bis(2-chloroethoxy)methane	93	6.821	6.816	0.005	97	1193272	12.0	11.9	
70 Benzoic acid	105	6.933	6.874	0.059	90	2904751	60.0	59.5	M
72 2,4-Dichlorophenol	162	6.933	6.933	0.000	92	996107	12.0	11.8	
73 1,2,4-Trichlorobenzene	180	6.997	6.992	0.005	94	1199163	12.0	12.0	
74 Naphthalene	128	7.061	7.061	0.000	98	3065211	12.0	11.2	
76 4-Chloroaniline	127	7.104	7.099	0.005	97	1295432	12.0	12.2	
77 2,6-Dichlorophenol	162	7.114	7.115	-0.001	98	986355	12.0	12.4	
79 Hexachlorobutadiene	225	7.162	7.163	-0.001	95	771695	12.0	12.3	
84 Caprolactam	113	7.440	7.403	0.037	76	610616	24.0	23.8	
85 4-Chloro-3-methylphenol	107	7.520	7.510	0.010	95	870293	12.0	11.9	
87 2-Methylnaphthalene	142	7.643	7.638	0.005	91	2188807	12.0	11.8	
89 1-Methylnaphthalene	142	7.729	7.724	0.005	93	2031749	12.0	11.8	
90 Hexachlorocyclopentadiene	237	7.777	7.772	0.005	95	599080	12.0	12.4	
91 1,2,4,5-Tetrachlorobenzene	216	7.788	7.788	0.000	97	1271901	12.0	12.2	
93 2,4,6-Trichlorophenol	196	7.884	7.879	0.005	91	756117	12.0	12.5	
94 2,4,5-Trichlorophenol	196	7.921	7.921	0.000	95	798689	12.0	11.9	
96 1,1'-Biphenyl	154	8.028	8.023	0.005	96	2726666	12.0	11.9	
97 2-Chloronaphthalene	162	8.055	8.050	0.005	95	2220612	12.0	12.1	
100 2-Nitroaniline	65	8.135	8.130	0.005	87	573932	12.0	12.3	
105 Dimethyl phthalate	163	8.274	8.263	0.011	99	2454185	12.0	12.4	
106 1,3-Dinitrobenzene	168	8.316	8.306	0.010	89	381923	12.0	12.7	
107 2,6-Dinitrotoluene	165	8.332	8.322	0.010	94	546298	12.0	12.1	
108 Acenaphthylene	152	8.402	8.402	0.000	98	3172707	12.0	12.2	
109 3-Nitroaniline	138	8.477	8.472	0.005	96	555342	12.0	12.5	
110 Acenaphthene	153	8.546	8.546	0.000	96	2169558	12.0	11.9	
111 2,4-Dinitrophenol	184	8.573	8.568	0.005	87	554081	24.0	24.3	
112 4-Nitrophenol	109	8.626	8.621	0.005	92	507846	24.0	24.3	
114 2,4-Dinitrotoluene	165	8.674	8.669	0.005	95	738448	12.0	12.6	
115 Dibenzofuran	168	8.690	8.685	0.005	96	3065130	12.0	11.9	
118 2,3,4,6-Tetrachlorophenol	232	8.797	8.792	0.005	71	610494	12.0	12.5	
120 Diethyl phthalate	149	8.851	8.846	0.005	98	2322295	12.0	12.2	
121 Hexadecane	57	8.851	8.846	0.005	94	1310453	12.0	11.8	
123 4-Chlorophenyl phenyl ether	204	8.963	8.958	0.005	96	1329843	12.0	12.4	
124 Fluorene	166	8.979	8.974	0.005	93	2474161	12.0	12.0	
126 4-Nitroaniline	138	8.995	8.984	0.011	87	558189	12.0	12.4	
127 4,6-Dinitro-2-methylphenol	198	9.027	9.016	0.011	91	784338	24.0	24.9	
129 Diphenylamine	169	9.059	9.054	0.005	93	1738475	10.3	10.0	
130 N-Nitrosodiphenylamine	169	9.059	9.054	0.005	72	1738475	12.0	11.7	
132 Azobenzene	77	9.096	9.091	0.005	99	2236383	12.0	11.7	
131 1,2-Diphenylhydrazine	77	9.096	9.091	0.005	41	2236383	12.0	11.7	
139 4-Bromophenyl phenyl ether	248	9.369	9.369	0.000	63	833903	12.0	12.5	
140 Hexachlorobenzene	284	9.449	9.449	0.000	96	962933	12.0	12.2	
143 Atrazine	200	9.497	9.487	0.010	94	1348154	24.0	23.8	
145 Pentachlorophenol	266	9.609	9.609	0.000	94	945747	24.0	26.2	
148 n-Octadecane	57	9.615	9.609	0.005	93	1328605	12.0	11.6	
151 Phenanthrene	178	9.785	9.780	0.005	98	3588561	12.0	11.5	
152 Anthracene	178	9.828	9.823	0.005	98	3633604	12.0	11.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
153 Carbazole	167	9.956	9.951	0.005	96	2875477	12.0	12.0	
157 Di-n-butyl phthalate	149	10.202	10.202	0.000	100	3842533	12.0	11.7	
164 Fluoranthene	202	10.784	10.779	0.005	98	3936106	12.0	11.7	
166 Benzidine	184	10.875	10.870	0.005	99	2983197	24.0	24.2	
167 Pyrene	202	10.982	10.977	0.005	96	3959770	12.0	11.8	
174 Butyl benzyl phthalate	149	11.511	11.511	0.000	97	1724450	12.0	12.3	
181 Bis(2-ethylhexyl) phthalate	149	12.125	12.126	-0.001	95	2505813	12.0	12.0	
179 3,3'-Dichlorobenzidine	252	12.136	12.126	0.010	73	2936188	24.0	26.0	
180 Benzo[a]anthracene	228	12.184	12.179	0.005	98	3812159	12.0	11.8	
182 Chrysene	228	12.232	12.227	0.005	96	3781863	12.0	12.1	
184 Di-n-octyl phthalate	149	12.959	12.954	0.005	99	4173828	12.0	12.5	
186 Benzo[b]fluoranthene	252	13.616	13.605	0.011	97	4154215	12.0	12.8	
187 Benzo[k]fluoranthene	252	13.653	13.643	0.010	99	3944893	12.0	12.3	
189 Benzo[a]pyrene	252	14.091	14.081	0.010	78	3488089	12.0	12.4	
193 Indeno[1,2,3-cd]pyrene	276	15.779	15.764	0.015	98	4832977	12.0	12.5	
194 Dibenz(a,h)anthracene	278	15.779	15.769	0.010	88	4044135	12.0	12.3	
195 Benzo[g,h,i]perylene	276	16.175	16.170	0.005	97	3924438	12.0	12.3	
S 261 Total Cresols	1				0			22.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MB_L1LVI_WRK_00474	Amount Added: 1.00	Units: mL	
MB_LLIS_WRK_00208	Amount Added: 20.00	Units: uL	Run Reagent

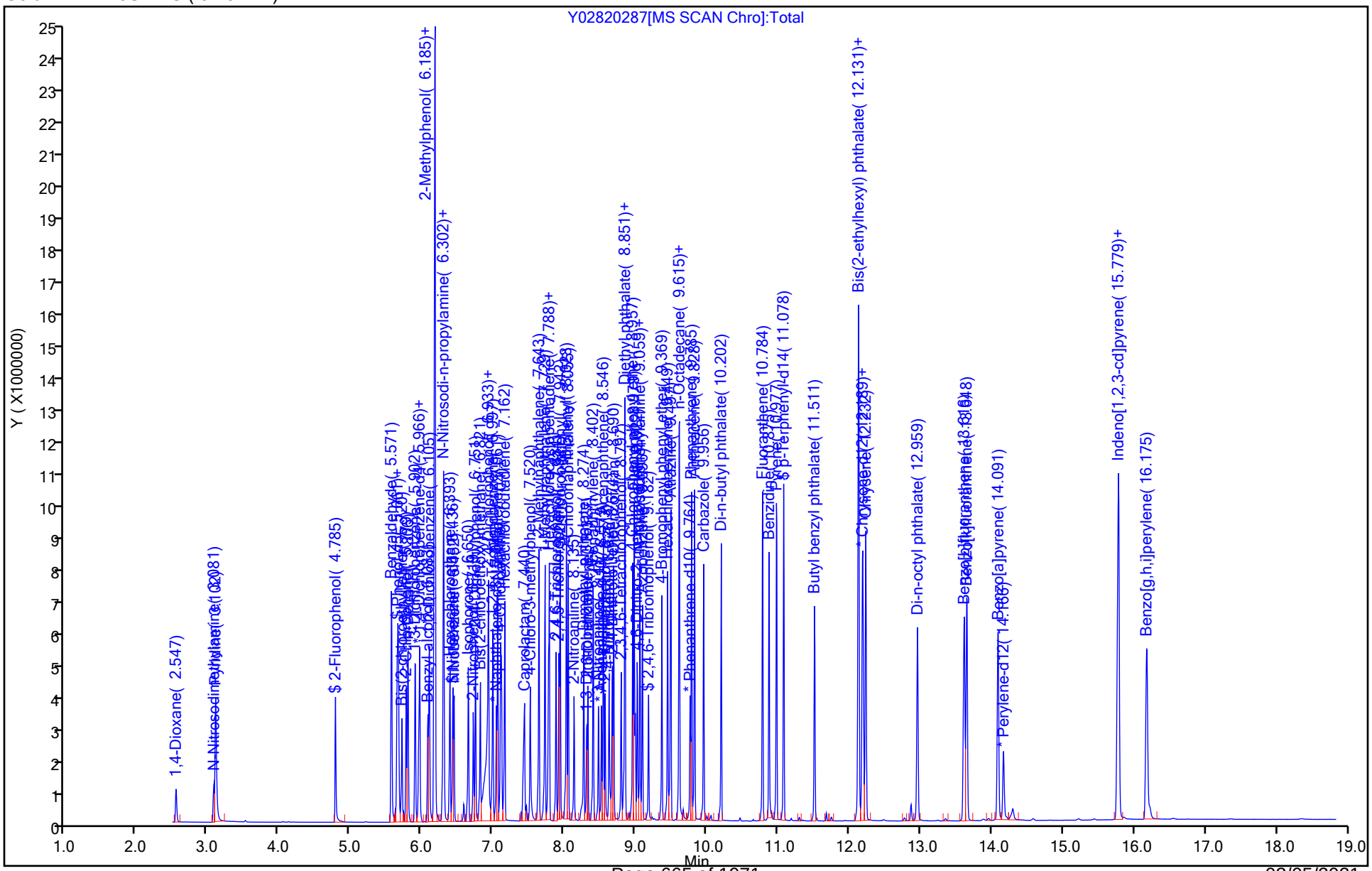
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Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y02820287.D

Injection Date:	18-Feb-2021 15:01:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	IC - List 1 - 12			Worklist Smp#:	9
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

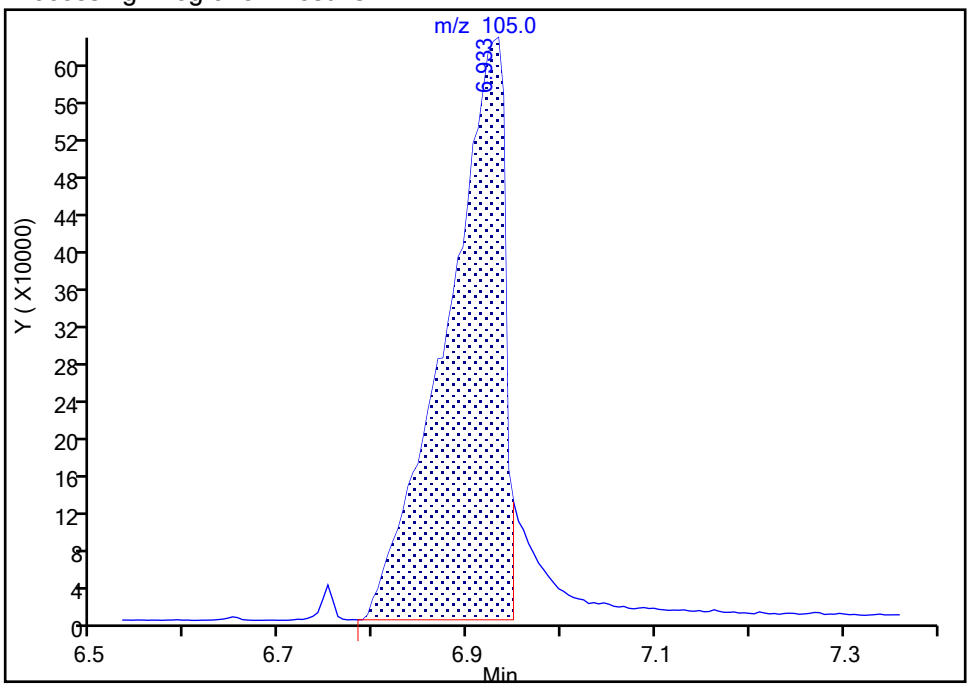
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Injection Date: 18-Feb-2021 15:01:30 Instrument ID: HP5973Y
Lims ID: IC - List 1 - 12
Client ID:
Operator ID: JM ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

70 Benzoic acid, CAS: 65-85-0

Signal: 1

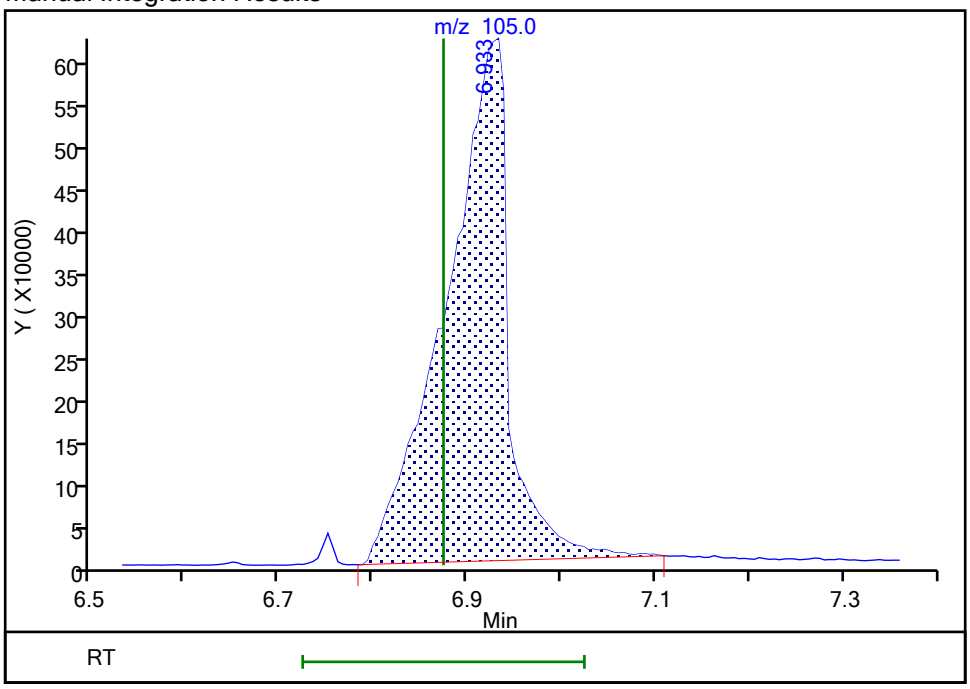
Processing Integration Results

RT: 6.93
Area: 2707776
Amount: 87.912607
Amount Units: ng/uL



Manual Integration Results

RT: 6.93
Area: 2904751
Amount: 59.512576
Amount Units: ng/uL



Reviewer: marshallj, 23-Feb-2021 12:50:34
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y02820288.D
Lims ID: IC - List 1 - 16
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 18-Feb-2021 15:30:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 480-0096734-010
Operator ID: JM Instrument ID: HP5973Y
Sublist: chrom-Y-LVI-8270*sub36

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 23-Feb-2021 15:18:28 Calib Date: 18-Feb-2021 23:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y02820304.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1615

First Level Reviewer: marshallj Date: 23-Feb-2021 12:53:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.956	5.950	0.006	94	298426	4.00	4.00	
* 2 Naphthalene-d8	136	7.045	7.045	0.000	99	1062212	4.00	4.00	
* 3 Acenaphthene-d10	164	8.520	8.520	0.000	96	625523	4.00	4.00	
* 4 Phenanthrene-d10	188	9.765	9.764	0.001	96	1166162	4.00	4.00	
* 5 Chrysene-d12	240	12.201	12.195	0.006	99	1080185	4.00	4.00	
* 6 Perylene-d12	264	14.167	14.161	0.006	98	1140256	4.00	4.00	
$ 7 2-Fluorophenol	112	4.786	4.786	0.000	93	1375310	16.0	15.8	
$ 8 Phenol-d5	99	5.651	5.646	0.005	0	1671042	16.0	15.6	
$ 9 Nitrobenzene-d5	82	6.436	6.431	0.005	91	1470039	16.0	16.5	
$ 10 2-Fluorobiphenyl	172	7.943	7.937	0.006	99	3341563	16.0	15.8	
$ 11 2,4,6-Tribromophenol	330	9.182	9.177	0.005	92	641409	16.0	16.8	
$ 12 p-Terphenyl-d14	244	11.079	11.079	0.000	98	4212356	16.0	16.0	
13 1,4-Dioxane	88	2.547	2.547	0.000	97	606580	16.0	15.8	
14 N-Nitrosodimethylamine	42	3.087	3.071	0.016	89	806307	16.0	16.4	
15 Pyridine	52	3.108	3.108	0.000	91	1837256	32.0	31.8	
35 Benzaldehyde	77	5.571	5.571	0.000	95	2001130	32.0	27.9	
37 Phenol	94	5.662	5.656	0.006	97	1758351	16.0	15.6	
36 Aniline	93	5.673	5.667	0.006	98	1993344	16.0	15.6	
39 Bis(2-chloroethyl)ether	93	5.721	5.715	0.006	93	1377434	16.0	15.8	
40 2-Chlorophenol	128	5.779	5.779	0.000	97	1494490	16.0	16.3	
41 n-Decane	57	5.801	5.801	0.000	94	1496203	16.0	15.1	
43 1,3-Dichlorobenzene	146	5.908	5.902	0.006	98	1699201	16.0	15.6	
44 1,4-Dichlorobenzene	146	5.966	5.966	0.000	95	1730698	16.0	15.7	
45 Benzyl alcohol	108	6.084	6.078	0.006	91	837789	16.0	16.8	
46 1,2-Dichlorobenzene	146	6.105	6.100	0.005	96	1618380	16.0	15.3	
48 2-Methylphenol	108	6.180	6.174	0.006	95	1119466	16.0	14.7	
49 2,2'-oxybis[1-chloropropane]	45	6.180	6.180	0.000	65	1460038	16.0	11.7	
47 Indene	115	6.185	6.180	0.005	90	9345792	80.0	64.2	
53 N-Nitrosodi-n-propylamine	70	6.303	6.292	0.011	93	921539	16.0	15.5	
52 Acetophenone	105	6.308	6.297	0.011	88	1777390	16.0	15.5	
57 4-Methylphenol	108	6.308	6.303	0.005	95	1223352	16.0	15.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
58 Hexachloroethane	117	6.394	6.388	0.006	91	693360	16.0	16.4	
59 Nitrobenzene	77	6.452	6.447	0.005	89	1485666	16.0	16.4	
62 Isophorone	82	6.655	6.645	0.010	98	2528769	16.0	16.3	
64 2-Nitrophenol	139	6.720	6.719	0.001	95	814522	16.0	16.8	
66 2,4-Dimethylphenol	107	6.752	6.751	0.001	96	1390311	16.0	16.5	
69 Bis(2-chloroethoxy)methane	93	6.821	6.816	0.005	96	1525865	16.0	15.8	
70 Benzoic acid	105	6.955	6.874	0.081	92	4123544	80.0	85.2	M
72 2,4-Dichlorophenol	162	6.933	6.933	0.000	92	1326063	16.0	16.3	
73 1,2,4-Trichlorobenzene	180	6.997	6.992	0.005	94	1552510	16.0	16.1	
74 Naphthalene	128	7.061	7.061	0.000	98	4041736	16.0	15.3	
76 4-Chloroaniline	127	7.104	7.099	0.005	96	1652344	16.0	16.1	
77 2,6-Dichlorophenol	162	7.115	7.115	0.000	98	1275790	16.0	16.6	
79 Hexachlorobutadiene	225	7.163	7.163	0.000	95	1024474	16.0	16.9	
84 Caprolactam	113	7.451	7.403	0.048	78	797674	32.0	32.2	
85 4-Chloro-3-methylphenol	107	7.521	7.510	0.011	95	1152426	16.0	16.3	
87 2-Methylnaphthalene	142	7.644	7.638	0.006	91	2833698	16.0	15.8	
89 1-Methylnaphthalene	142	7.729	7.724	0.005	92	2621701	16.0	15.7	
90 Hexachlorocyclopentadiene	237	7.777	7.772	0.005	93	802130	16.0	16.4	
91 1,2,4,5-Tetrachlorobenzene	216	7.788	7.788	0.000	96	1658609	16.0	16.0	
93 2,4,6-Trichlorophenol	196	7.884	7.879	0.005	92	1003431	16.0	16.6	
94 2,4,5-Trichlorophenol	196	7.927	7.921	0.006	95	1068932	16.0	16.0	
96 1,1'-Biphenyl	154	8.028	8.023	0.005	97	3451016	16.0	15.2	
97 2-Chloronaphthalene	162	8.055	8.050	0.005	96	2862560	16.0	15.7	
100 2-Nitroaniline	65	8.135	8.130	0.005	87	764843	16.0	16.4	
105 Dimethyl phthalate	163	8.274	8.263	0.011	99	3175707	16.0	16.1	
106 1,3-Dinitrobenzene	168	8.317	8.306	0.011	88	479556	16.0	16.4	
107 2,6-Dinitrotoluene	165	8.333	8.322	0.011	94	687949	16.0	15.3	
108 Acenaphthylene	152	8.408	8.402	0.006	98	4142650	16.0	16.1	
109 3-Nitroaniline	138	8.483	8.472	0.010	96	716654	16.0	16.1	
110 Acenaphthene	153	8.547	8.546	0.001	97	2658604	16.0	14.7	
111 2,4-Dinitrophenol	184	8.573	8.568	0.005	87	788522	32.0	34.0	
112 4-Nitrophenol	109	8.632	8.621	0.011	91	705848	32.0	33.6	
114 2,4-Dinitrotoluene	165	8.675	8.669	0.006	95	923062	16.0	15.8	
115 Dibenzofuran	168	8.691	8.685	0.006	96	3908384	16.0	15.3	
118 2,3,4,6-Tetrachlorophenol	232	8.798	8.792	0.006	70	831398	16.0	17.0	
120 Diethyl phthalate	149	8.856	8.846	0.010	98	2943005	16.0	15.5	
121 Hexadecane	57	8.851	8.846	0.005	95	1639779	16.0	14.8	
123 4-Chlorophenyl phenyl ether	204	8.963	8.958	0.005	88	1636496	16.0	15.3	
124 Fluorene	166	8.979	8.974	0.005	95	3239493	16.0	15.8	
126 4-Nitroaniline	138	9.001	8.984	0.017	84	718460	16.0	16.0	
127 4,6-Dinitro-2-methylphenol	198	9.027	9.016	0.011	92	1085764	32.0	34.5	
129 Diphenylamine	169	9.065	9.054	0.011	93	2128098	13.7	12.4	
130 N-Nitrosodiphenylamine	169	9.065	9.054	0.011	63	2128098	16.0	14.5	
132 Azobenzene	77	9.097	9.091	0.006	99	2790506	16.0	14.7	
131 1,2-Diphenylhydrazine	77	9.097	9.091	0.006	41	2790506	16.0	14.7	
139 4-Bromophenyl phenyl ether	248	9.369	9.369	0.000	63	1070661	16.0	16.1	
140 Hexachlorobenzene	284	9.449	9.449	0.000	96	1284451	16.0	16.3	
143 Atrazine	200	9.498	9.487	0.011	94	1590299	32.0	28.2	
145 Pentachlorophenol	266	9.615	9.609	0.006	94	1128004	32.0	31.4	
148 n-Octadecane	57	9.615	9.609	0.006	94	1616863	16.0	14.2	
151 Phenanthrene	178	9.786	9.780	0.006	98	4746172	16.0	15.3	
152 Anthracene	178	9.829	9.823	0.006	98	4642200	16.0	15.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
153 Carbazole	167	9.957	9.951	0.006	96	3691738	16.0	15.6	
157 Di-n-butyl phthalate	149	10.203	10.202	0.001	100	4895721	16.0	15.0	
164 Fluoranthene	202	10.785	10.779	0.006	98	4934134	16.0	14.8	
166 Benzidine	184	10.876	10.870	0.006	99	3873629	32.0	31.6	
167 Pyrene	202	10.983	10.977	0.006	96	5081053	16.0	15.2	
174 Butyl benzyl phthalate	149	11.511	11.511	0.000	96	2268443	16.0	16.2	
181 Bis(2-ethylhexyl) phthalate	149	12.126	12.126	0.000	95	3331457	16.0	16.0	
179 3,3'-Dichlorobenzidine	252	12.137	12.126	0.011	73	3844311	32.0	34.2	
180 Benzo[a]anthracene	228	12.190	12.179	0.011	98	5263871	16.0	16.3	
182 Chrysene	228	12.233	12.227	0.006	96	4903043	16.0	15.8	
184 Di-n-octyl phthalate	149	12.959	12.954	0.005	99	5448414	16.0	16.3	
186 Benzo[b]fluoranthene	252	13.616	13.605	0.011	97	5467060	16.0	16.1	
187 Benzo[k]fluoranthene	252	13.654	13.643	0.011	98	5345699	16.0	16.0	
189 Benzo[a]pyrene	252	14.092	14.081	0.011	78	4759251	16.0	16.2	
193 Indeno[1,2,3-cd]pyrene	276	15.780	15.764	0.016	98	6684150	16.0	16.6	
194 Dibenz(a,h)anthracene	278	15.791	15.769	0.022	90	5562085	16.0	16.2	
195 Benzo[g,h,i]perylene	276	16.181	16.170	0.010	97	5518200	16.0	16.6	
S 261 Total Cresols	1				0			30.1	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MB_L1LVI_WRK_00475	Amount Added: 1.00	Units: mL	
MB_LLIS_WRK_00208	Amount Added: 20.00	Units: uL	Run Reagent

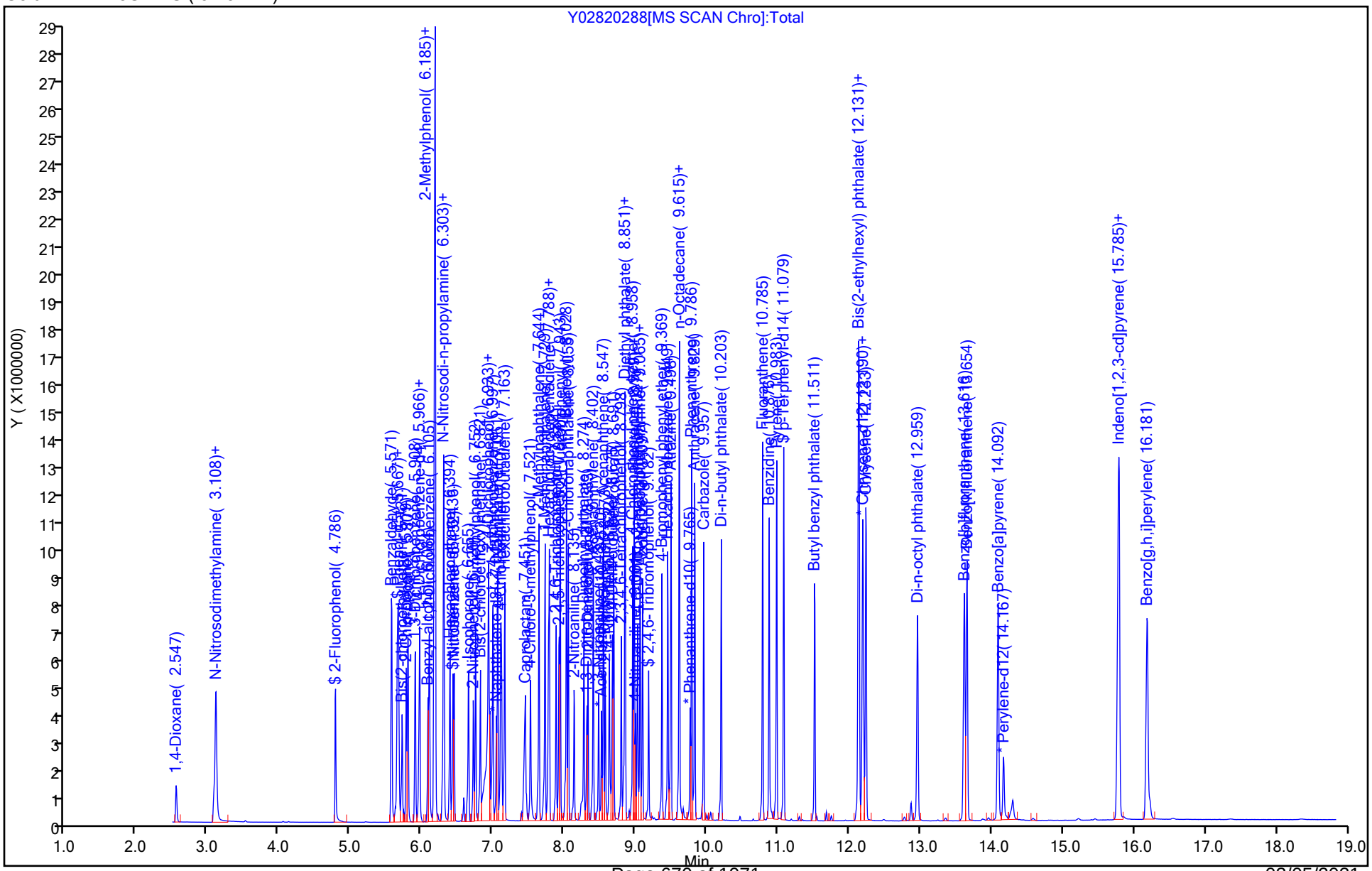
Report Date: 23-Feb-2021 15:18:30 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y02820288.D

Injection Date:	18-Feb-2021 15:30:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	IC - List 1 - 16			Worklist Smp#:	10
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo

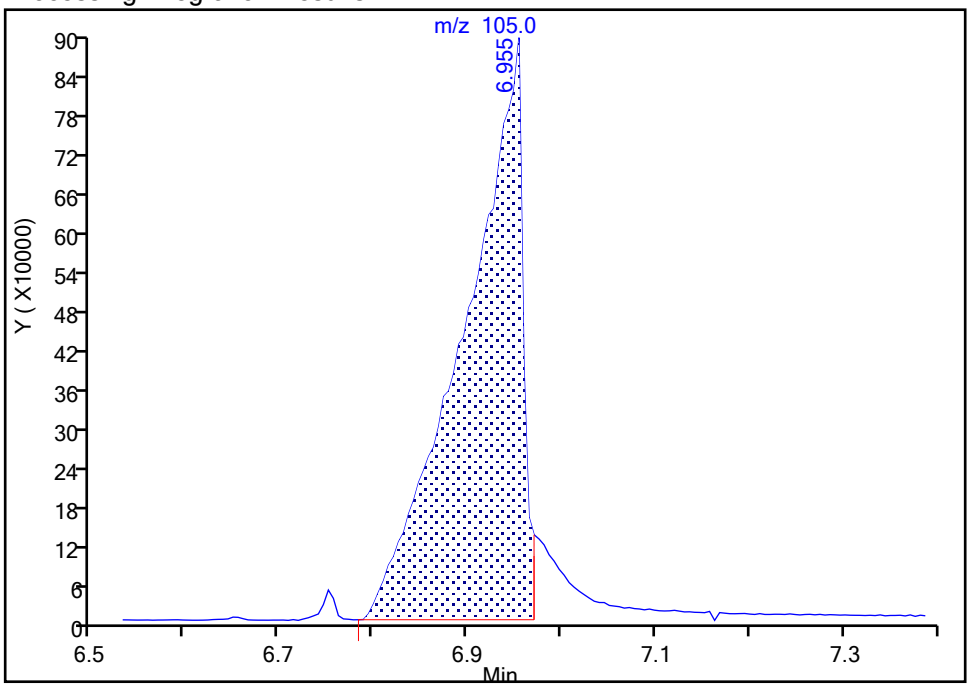
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Injection Date: 18-Feb-2021 15:30:30 Instrument ID: HP5973Y
Lims ID: IC - List 1 - 16
Client ID:
Operator ID: JM ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

70 Benzoic acid, CAS: 65-85-0

Signal: 1

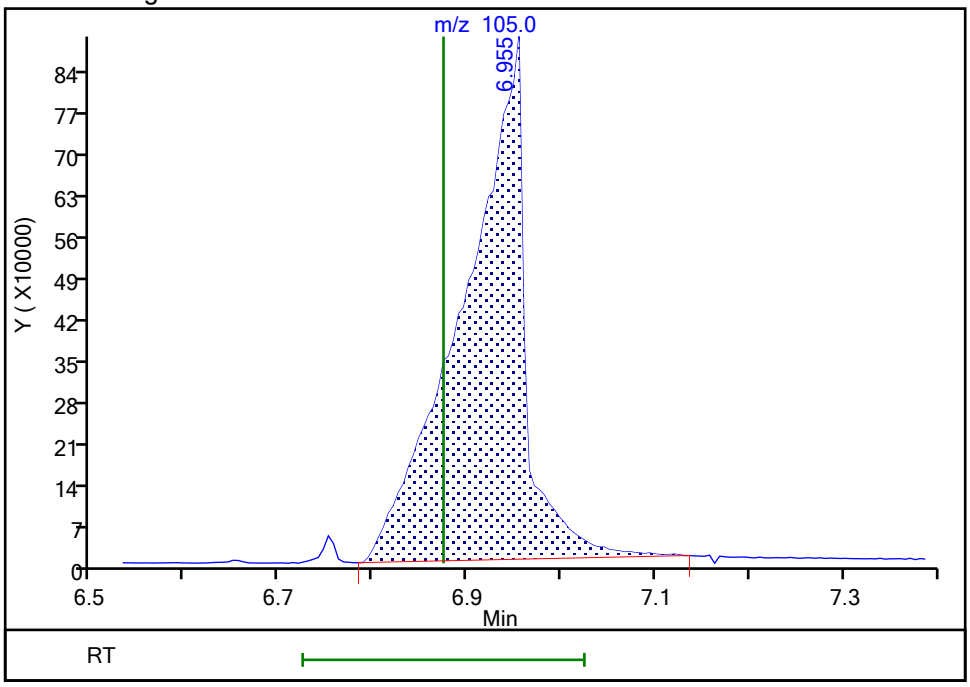
Processing Integration Results

RT: 6.95
Area: 3884554
Amount: 128.7227
Amount Units: ng/uL



Manual Integration Results

RT: 6.95
Area: 4123544
Amount: 85.248578
Amount Units: ng/uL



Reviewer: marshallj, 23-Feb-2021 12:52:20
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

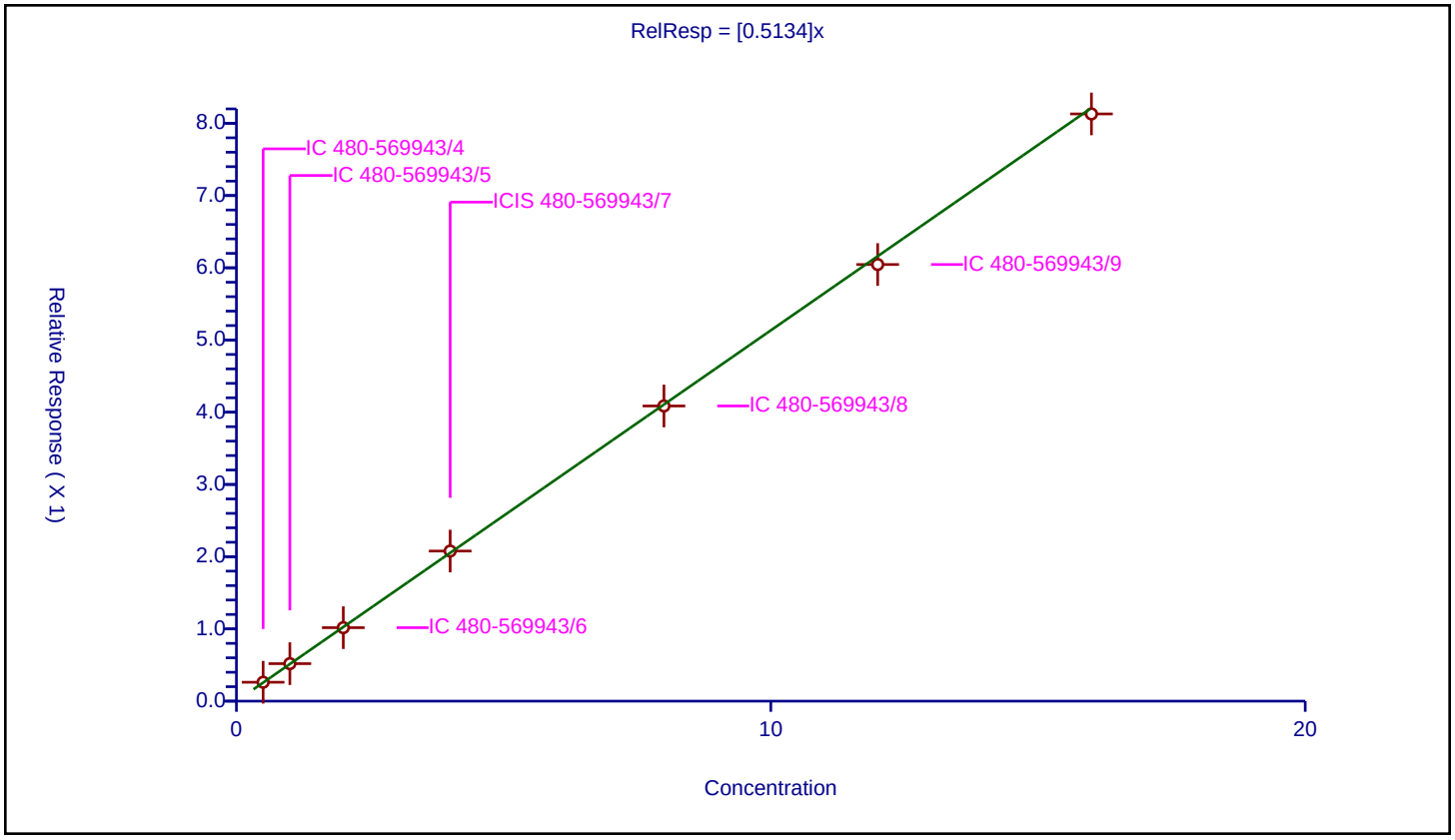
Curve Coefficients

Intercept:	0
Slope:	0.5134

Error Coefficients

Standard Error:	346000
Relative Standard Error:	1.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.261806	4.0	318648.0	0.523612	Y
2	IC 480-569943/5	1.0	0.518895	4.0	303730.0	0.518895	Y
3	IC 480-569943/6	2.0	1.0173	4.0	305719.0	0.50865	Y
4	ICIS 480-569943/7	4.0	2.078049	4.0	306680.0	0.519512	Y
5	IC 480-569943/8	8.0	4.086848	4.0	311580.0	0.510856	Y
6	IC 480-569943/9	12.0	6.045405	4.0	307321.0	0.503784	Y
7	IC 480-569943/10	16.0	8.130391	4.0	298426.0	0.508149	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

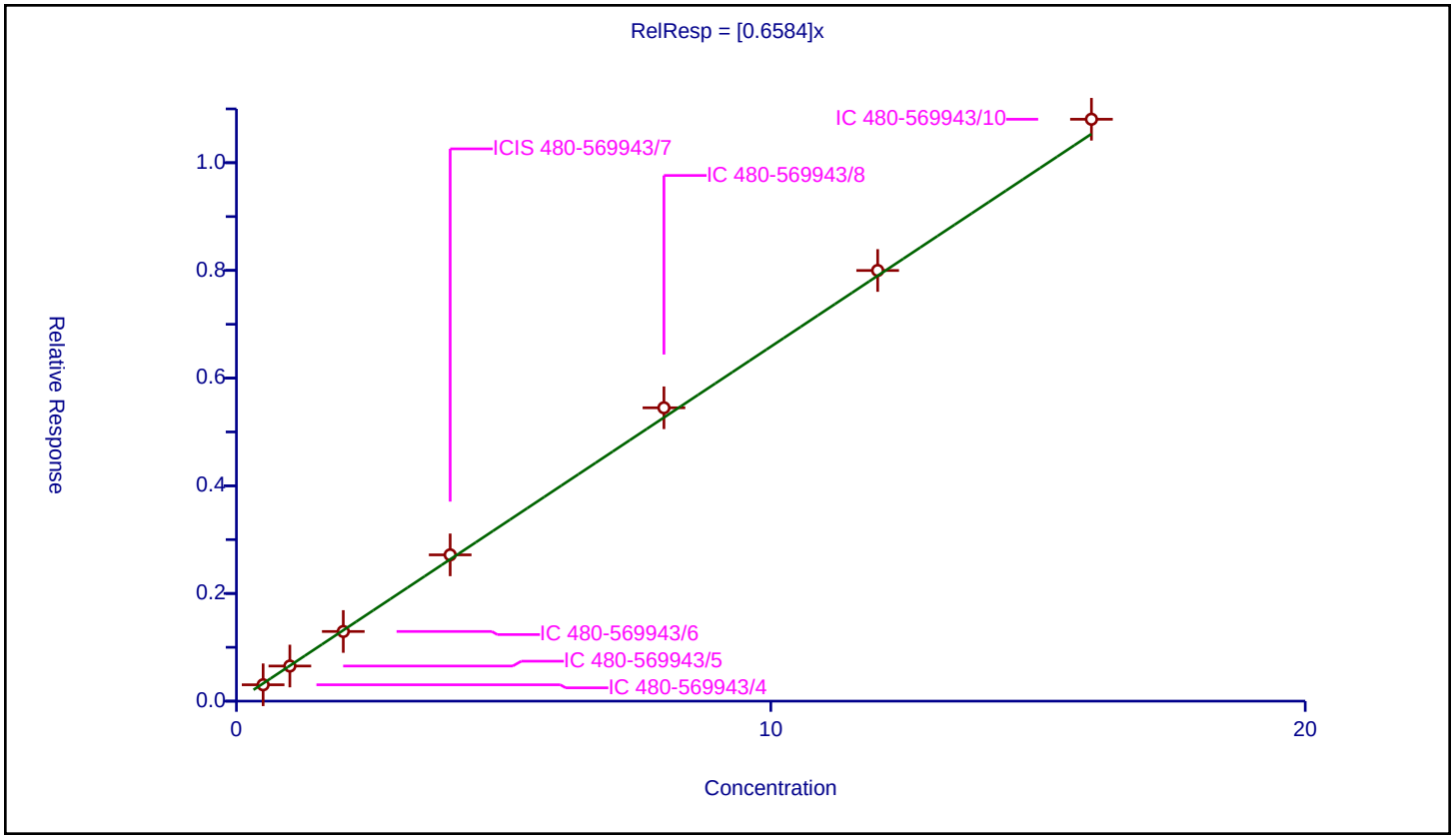
Curve Coefficients

Intercept:	0
Slope:	0.6584

Error Coefficients

Standard Error:	459000
Relative Standard Error:	3.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.303783	4.0	318648.0	0.607567	Y
2	IC 480-569943/5	1.0	0.652198	4.0	303730.0	0.652198	Y
3	IC 480-569943/6	2.0	1.293907	4.0	305719.0	0.646954	Y
4	ICIS 480-569943/7	4.0	2.716799	4.0	306680.0	0.6792	Y
5	IC 480-569943/8	8.0	5.448655	4.0	311580.0	0.681082	Y
6	IC 480-569943/9	12.0	7.998737	4.0	307321.0	0.666561	Y
7	IC 480-569943/10	16.0	10.807463	4.0	298426.0	0.675466	Y



Calibration / Pyridine

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

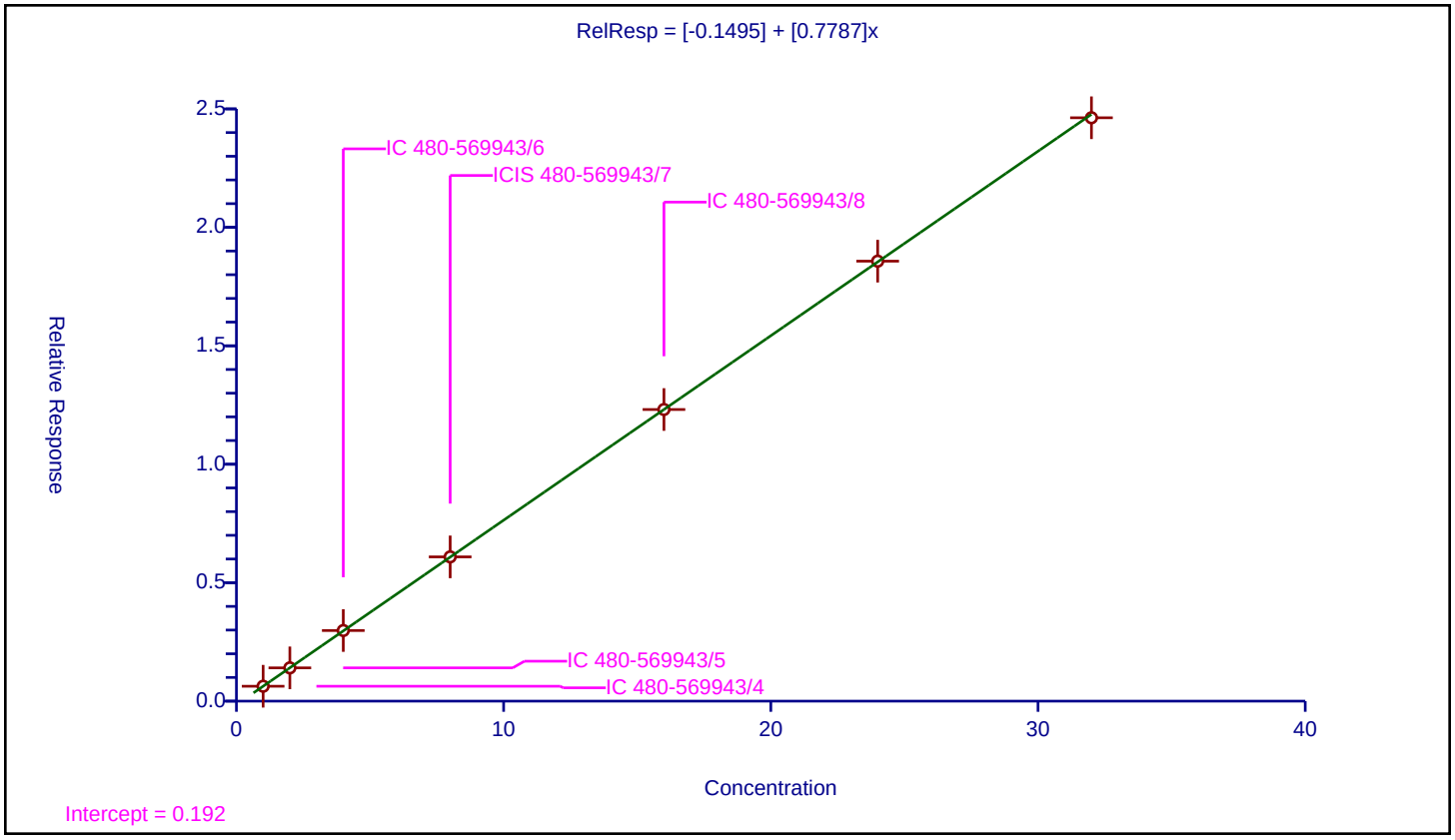
Curve Coefficients

Intercept:	-0.1495
Slope:	0.7787

Error Coefficients

Standard Error:	1150000
Relative Standard Error:	0.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	1.0	0.629133	4.0	318648.0	0.629133	Y
2	IC 480-569943/5	2.0	1.404234	4.0	303730.0	0.702117	Y
3	IC 480-569943/6	4.0	2.98075	4.0	305719.0	0.745188	Y
4	ICIS 480-569943/7	8.0	6.08997	4.0	306680.0	0.761246	Y
5	IC 480-569943/8	16.0	12.310277	4.0	311580.0	0.769392	Y
6	IC 480-569943/9	24.0	18.572021	4.0	307321.0	0.773834	Y
7	IC 480-569943/10	32.0	24.625951	4.0	298426.0	0.769561	Y



Calibration / 2-Fluorophenol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

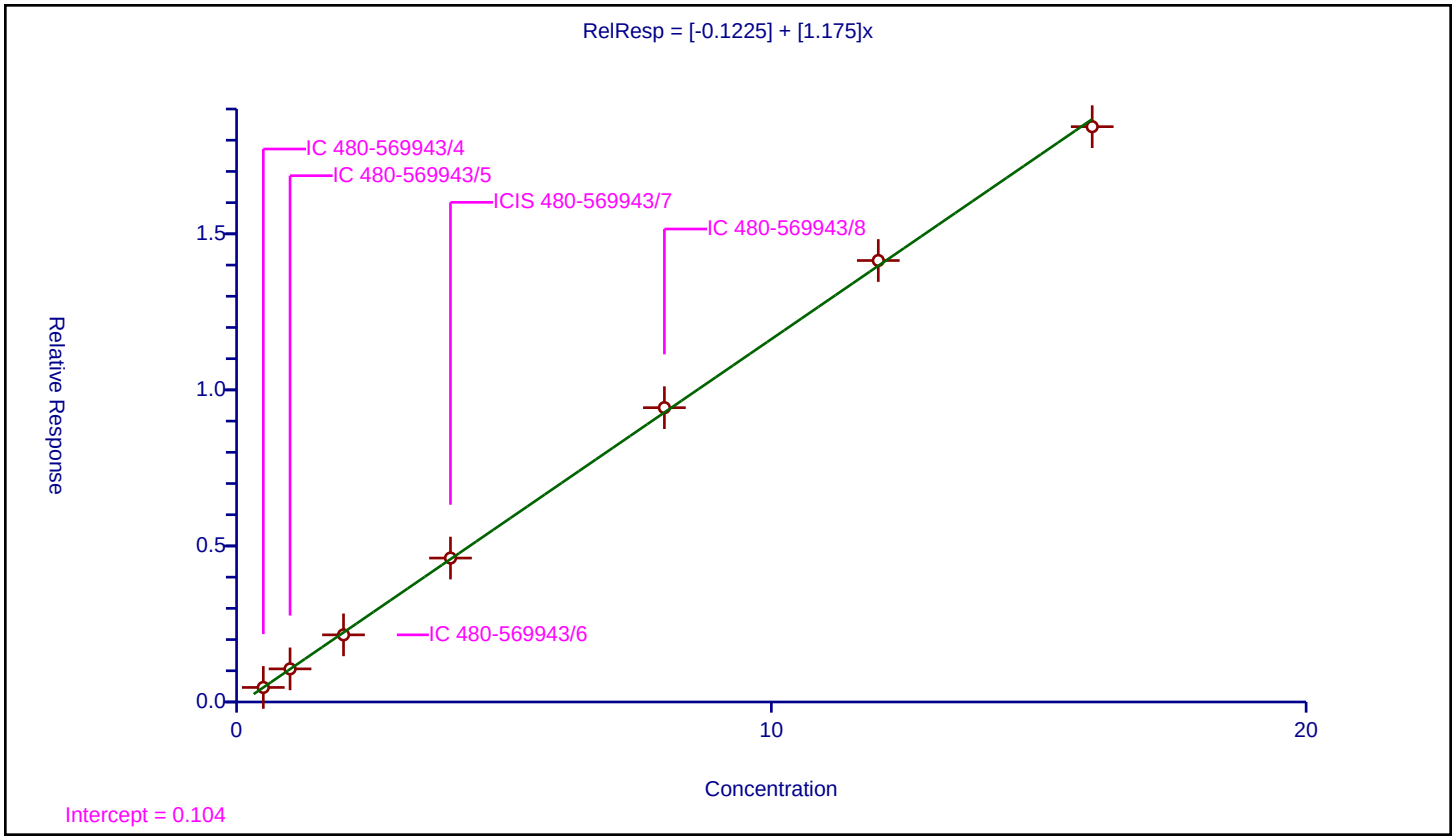
Curve Coefficients

Intercept:	-0.1225
Slope:	1.175

Error Coefficients

Standard Error:	869000
Relative Standard Error:	1.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.466433	4.0	318648.0	0.932866	Y
2	IC 480-569943/5	1.0	1.060666	4.0	303730.0	1.060666	Y
3	IC 480-569943/6	2.0	2.150812	4.0	305719.0	1.075406	Y
4	ICIS 480-569943/7	4.0	4.611934	4.0	306680.0	1.152984	Y
5	IC 480-569943/8	8.0	9.429963	4.0	311580.0	1.178745	Y
6	IC 480-569943/9	12.0	14.145665	4.0	307321.0	1.178805	Y
7	IC 480-569943/10	16.0	18.434185	4.0	298426.0	1.152137	Y



Calibration / Benzaldehyde

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

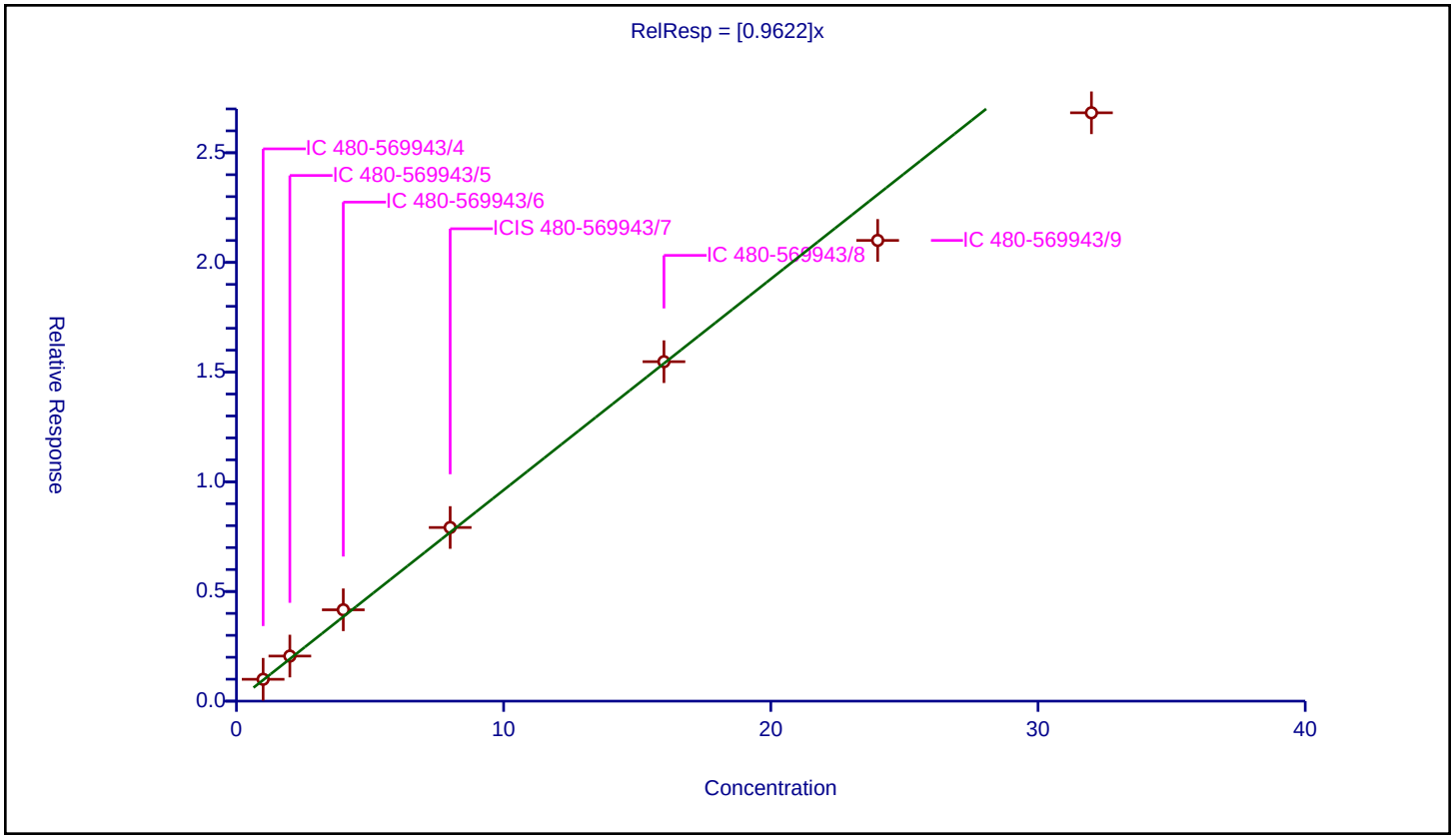
Curve Coefficients

Intercept:	0
Slope:	0.9622

Error Coefficients

Standard Error:	1190000
Relative Standard Error:	8.0
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	1.0	0.996435	4.0	318648.0	0.996435	Y
2	IC 480-569943/5	2.0	2.055418	4.0	303730.0	1.027709	Y
3	IC 480-569943/6	4.0	4.164386	4.0	305719.0	1.041097	Y
4	ICIS 480-569943/7	8.0	7.916525	4.0	306680.0	0.989566	Y
5	IC 480-569943/8	16.0	15.475782	4.0	311580.0	0.967236	Y
6	IC 480-569943/9	24.0	21.004448	4.0	307321.0	0.875185	Y
7	IC 480-569943/10	32.0	26.822462	4.0	298426.0	0.838202	Y



Calibration / Phenol-d5

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

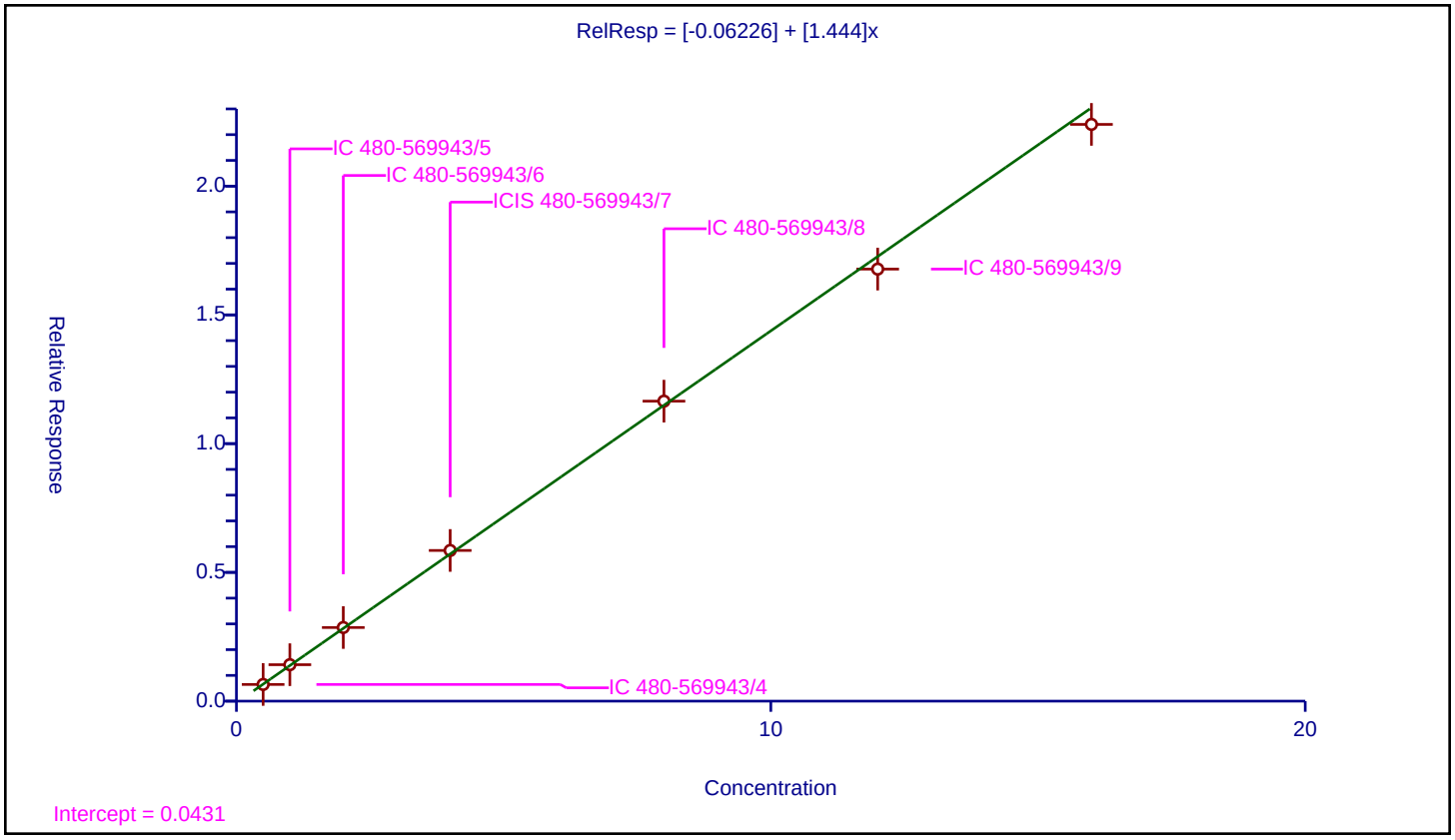
Curve Coefficients

Intercept:	-0.06226
Slope:	1.444

Error Coefficients

Standard Error:	1050000
Relative Standard Error:	2.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.648025	4.0	318648.0	1.296051	Y
2	IC 480-569943/5	1.0	1.415428	4.0	303730.0	1.415428	Y
3	IC 480-569943/6	2.0	2.859685	4.0	305719.0	1.429842	Y
4	ICIS 480-569943/7	4.0	5.851493	4.0	306680.0	1.462873	Y
5	IC 480-569943/8	8.0	11.650555	4.0	311580.0	1.456319	Y
6	IC 480-569943/9	12.0	16.778782	4.0	307321.0	1.398232	Y
7	IC 480-569943/10	16.0	22.398075	4.0	298426.0	1.39988	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

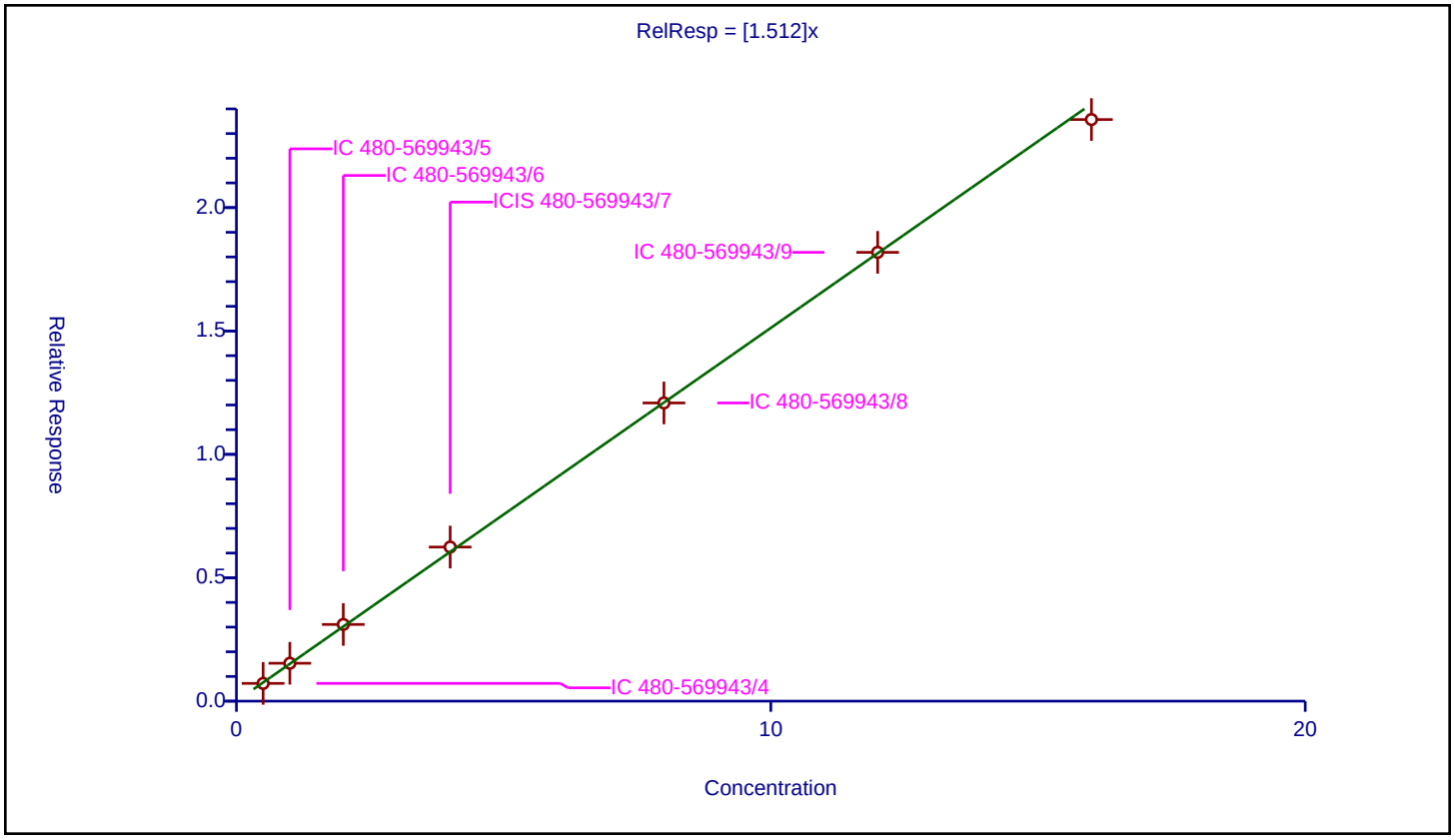
Curve Coefficients

Intercept:	0
Slope:	1.512

Error Coefficients

Standard Error:	1020000
Relative Standard Error:	2.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.718812	4.0	318648.0	1.437624	Y
2	IC 480-569943/5	1.0	1.535258	4.0	303730.0	1.535258	Y
3	IC 480-569943/6	2.0	3.107494	4.0	305719.0	1.553747	Y
4	ICIS 480-569943/7	4.0	6.24475	4.0	306680.0	1.561188	Y
5	IC 480-569943/8	8.0	12.083523	4.0	311580.0	1.51044	Y
6	IC 480-569943/9	12.0	18.186743	4.0	307321.0	1.515562	Y
7	IC 480-569943/10	16.0	23.568335	4.0	298426.0	1.473021	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

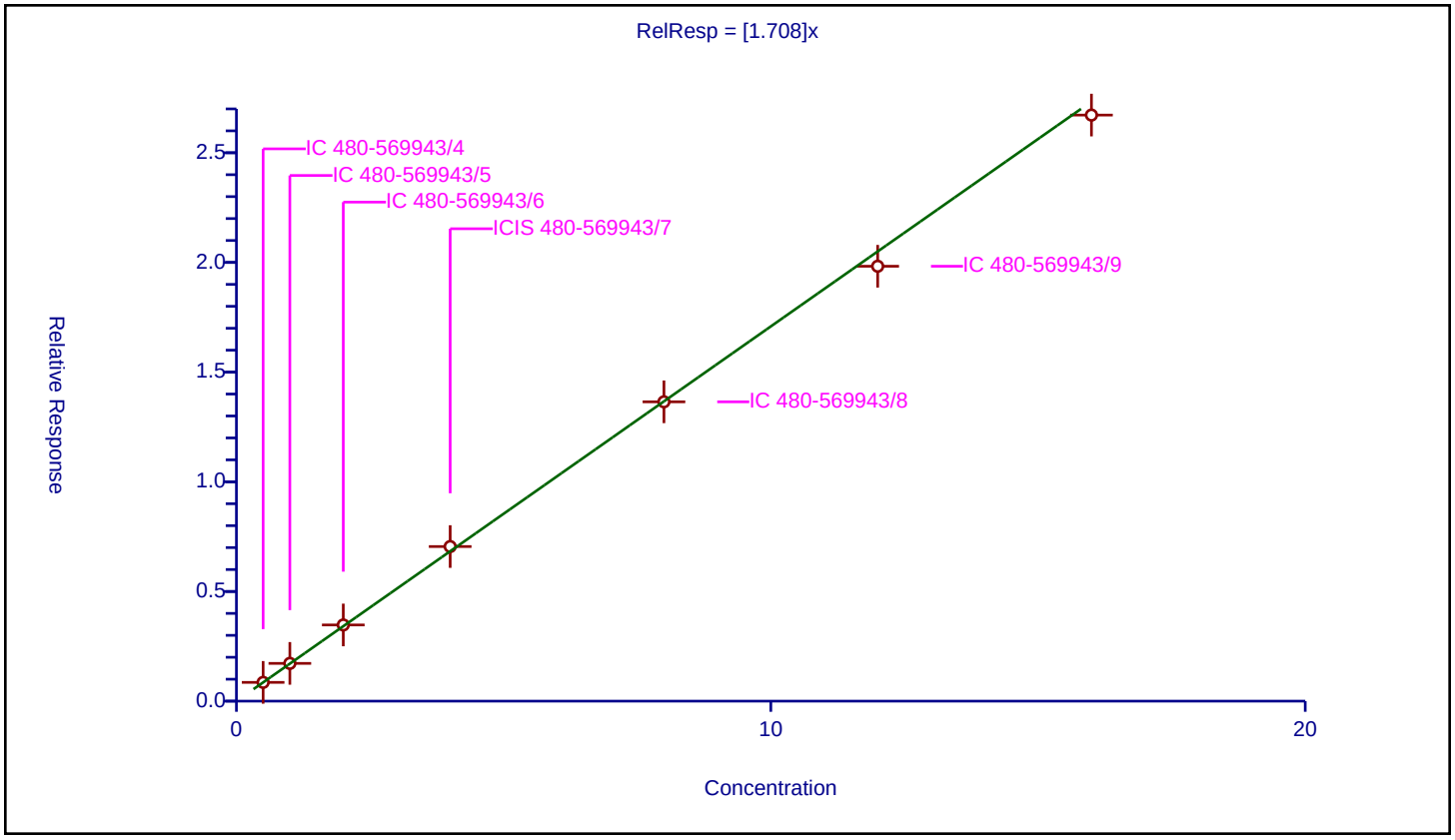
Curve Coefficients

Intercept:	0
Slope:	1.708

Error Coefficients

Standard Error:	1140000
Relative Standard Error:	2.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.855263	4.0	318648.0	1.710527	Y
2	IC 480-569943/5	1.0	1.721582	4.0	303730.0	1.721582	Y
3	IC 480-569943/6	2.0	3.472758	4.0	305719.0	1.736379	Y
4	ICIS 480-569943/7	4.0	7.047581	4.0	306680.0	1.761895	Y
5	IC 480-569943/8	8.0	13.646229	4.0	311580.0	1.705779	Y
6	IC 480-569943/9	12.0	19.82693	4.0	307321.0	1.652244	Y
7	IC 480-569943/10	16.0	26.718101	4.0	298426.0	1.669881	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

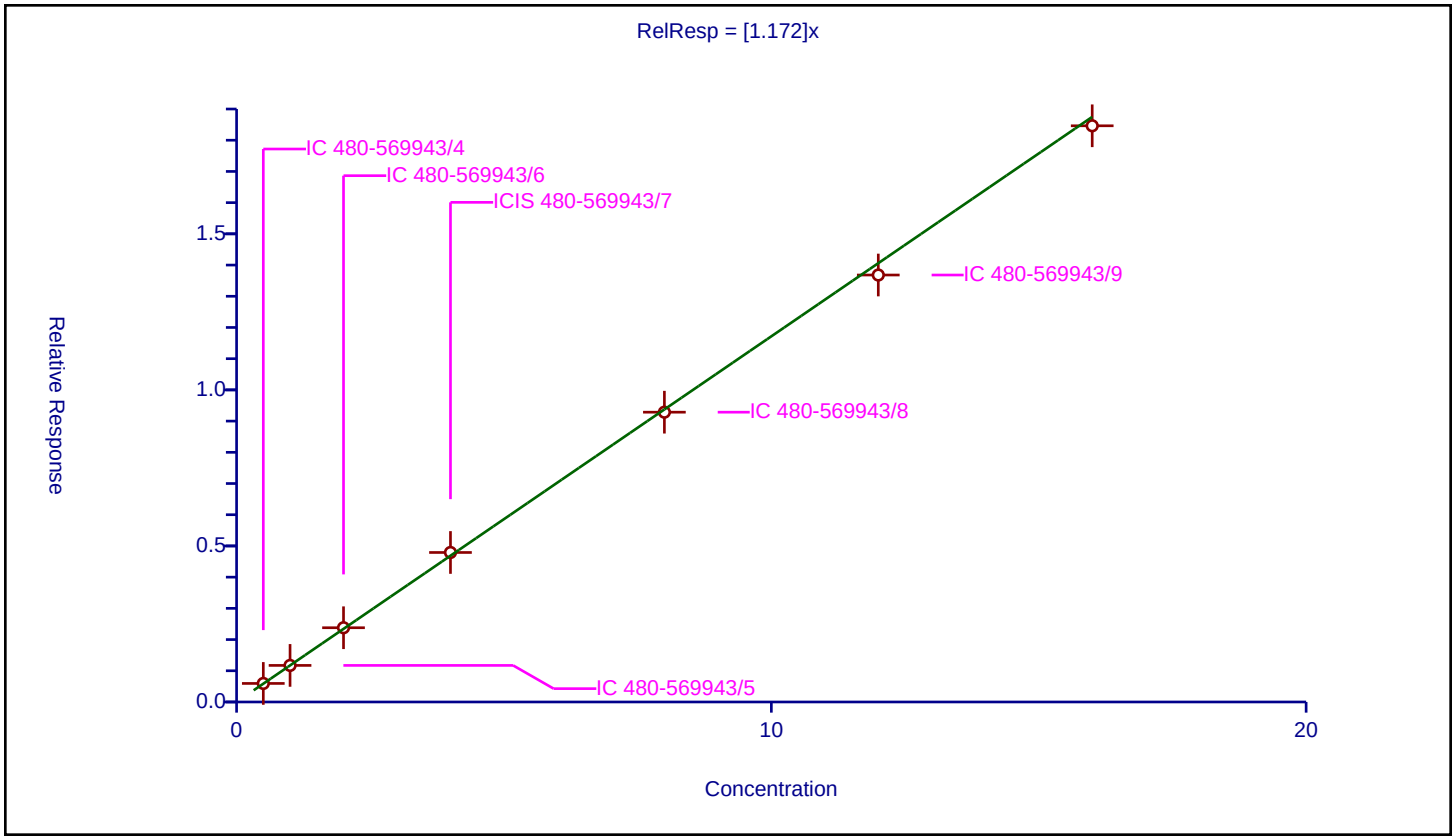
Curve Coefficients

Intercept:	0
Slope:	1.172

Error Coefficients

Standard Error:	786000
Relative Standard Error:	1.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.59406	4.0	318648.0	1.18812	Y
2	IC 480-569943/5	1.0	1.171646	4.0	303730.0	1.171646	Y
3	IC 480-569943/6	2.0	2.379218	4.0	305719.0	1.189609	Y
4	ICIS 480-569943/7	4.0	4.790674	4.0	306680.0	1.197669	Y
5	IC 480-569943/8	8.0	9.285936	4.0	311580.0	1.160742	Y
6	IC 480-569943/9	12.0	13.680848	4.0	307321.0	1.140071	Y
7	IC 480-569943/10	16.0	18.462654	4.0	298426.0	1.153916	Y



Calibration / 2-Chlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

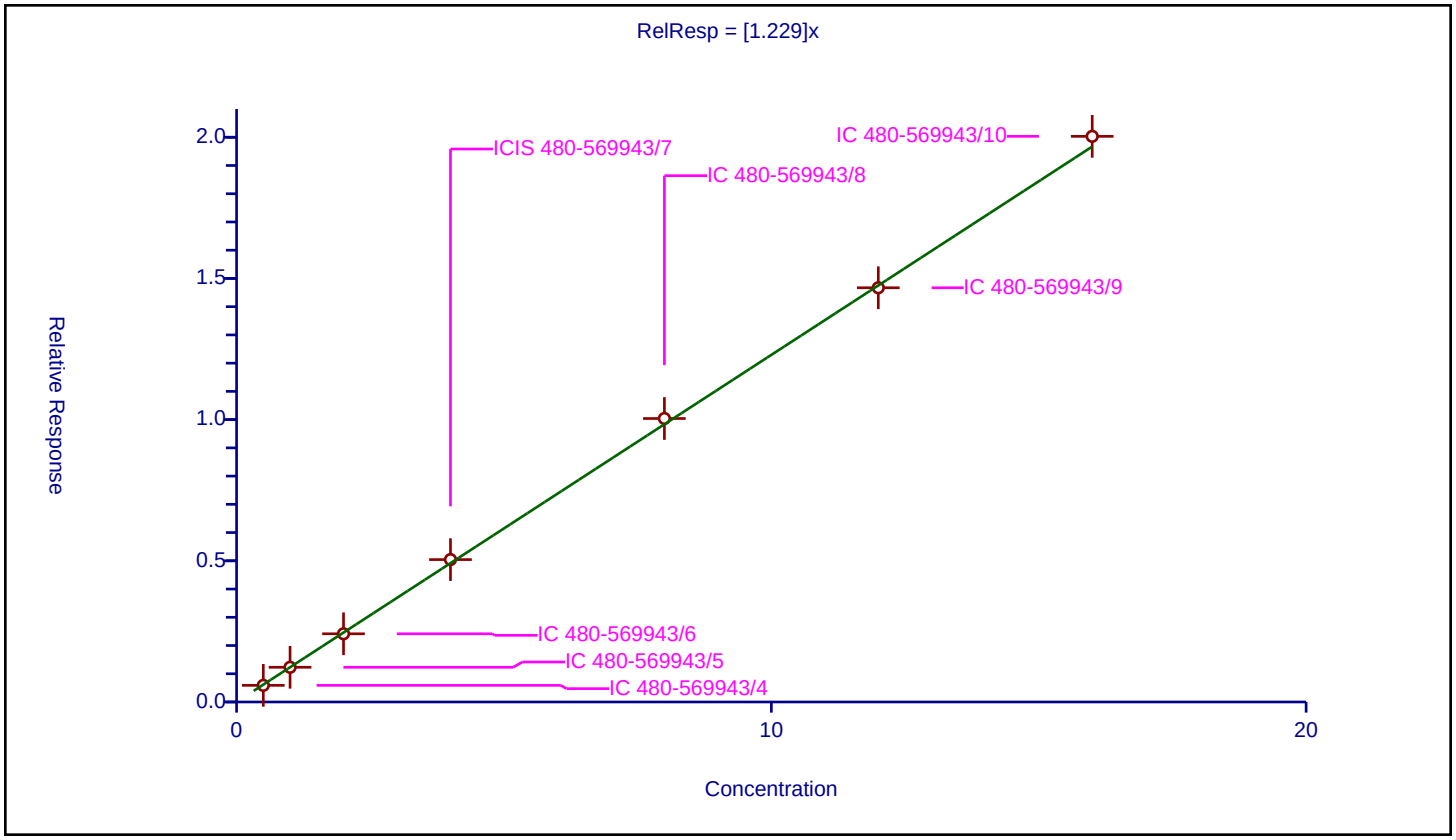
Curve Coefficients

Intercept:	0
Slope:	1.229

Error Coefficients

Standard Error:	848000
Relative Standard Error:	2.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.589214	4.0	318648.0	1.178429	Y
2	IC 480-569943/5	1.0	1.228749	4.0	303730.0	1.228749	Y
3	IC 480-569943/6	2.0	2.415107	4.0	305719.0	1.207553	Y
4	ICIS 480-569943/7	4.0	5.042729	4.0	306680.0	1.260682	Y
5	IC 480-569943/8	8.0	10.039784	4.0	311580.0	1.254973	Y
6	IC 480-569943/9	12.0	14.669261	4.0	307321.0	1.222438	Y
7	IC 480-569943/10	16.0	20.031633	4.0	298426.0	1.251977	Y



Calibration / n-Decane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

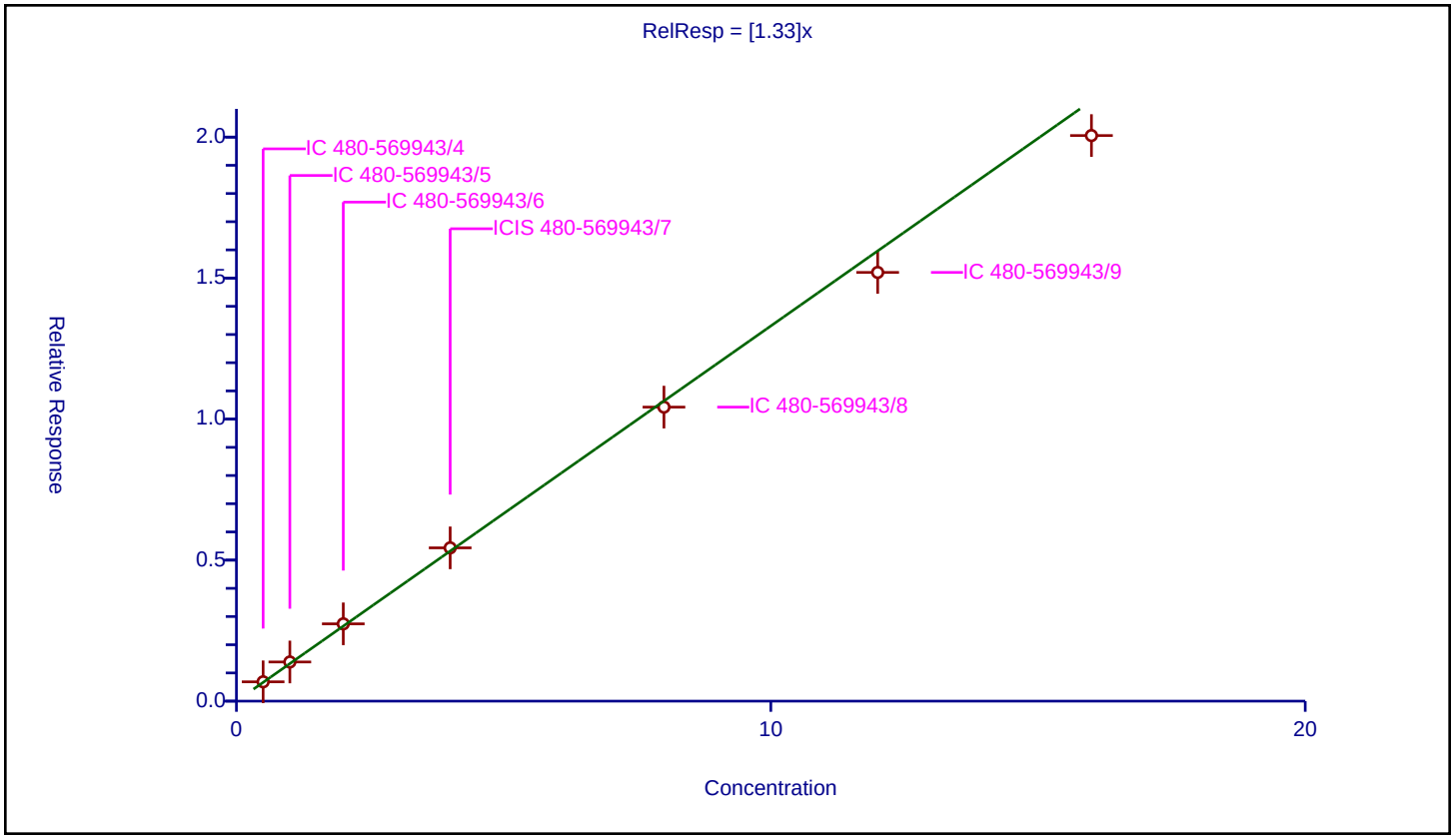
Curve Coefficients

Intercept:	0
Slope:	1.33

Error Coefficients

Standard Error:	865000
Relative Standard Error:	4.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.685433	4.0	318648.0	1.370867	Y
2	IC 480-569943/5	1.0	1.388378	4.0	303730.0	1.388378	Y
3	IC 480-569943/6	2.0	2.741446	4.0	305719.0	1.370723	Y
4	ICIS 480-569943/7	4.0	5.43502	4.0	306680.0	1.358755	Y
5	IC 480-569943/8	8.0	10.425483	4.0	311580.0	1.303185	Y
6	IC 480-569943/9	12.0	15.201578	4.0	307321.0	1.266798	Y
7	IC 480-569943/10	16.0	20.054593	4.0	298426.0	1.253412	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

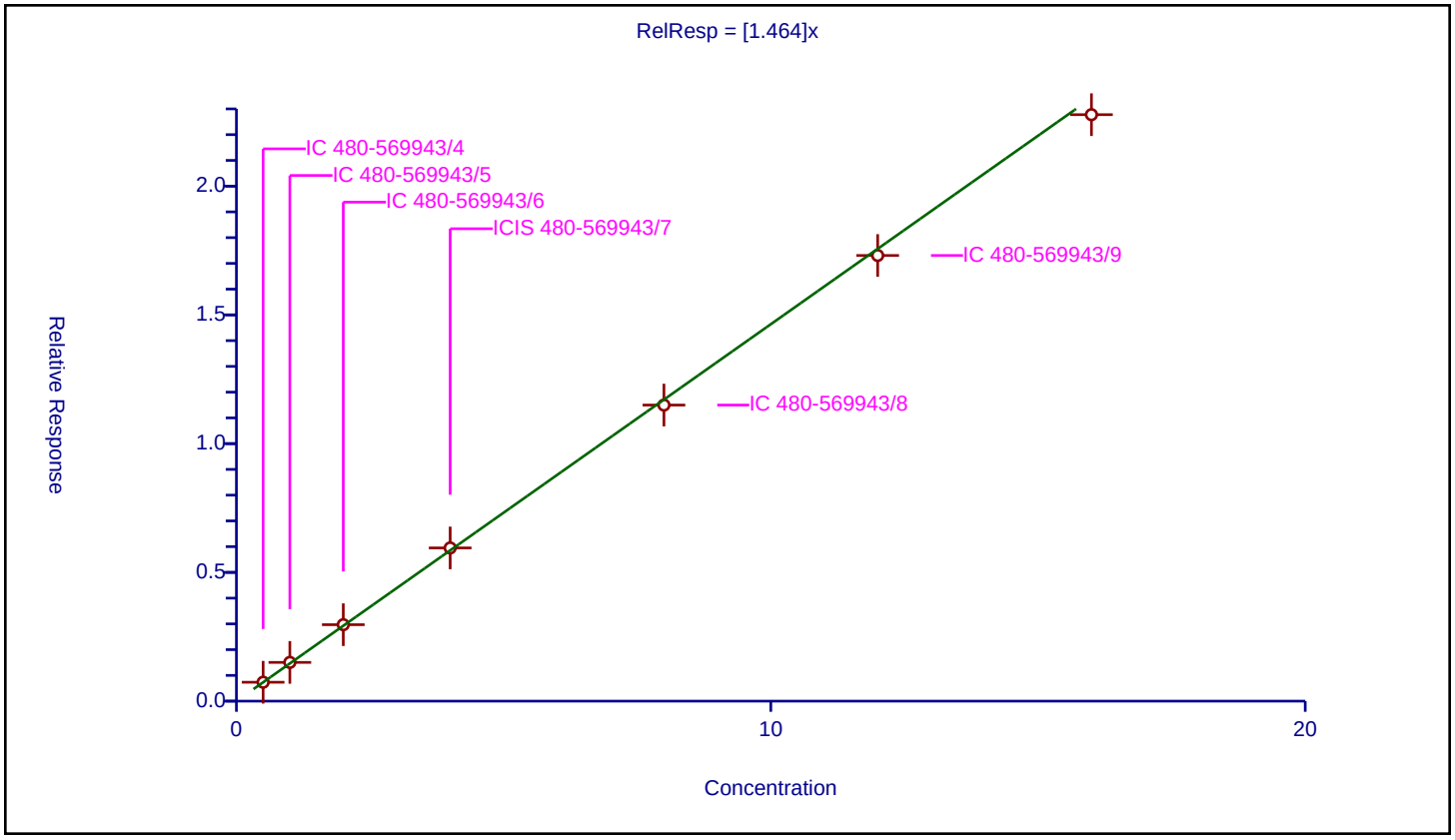
Curve Coefficients

Intercept:	0
Slope:	1.464

Error Coefficients

Standard Error:	978000
Relative Standard Error:	2.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.73365	4.0	318648.0	1.467299	Y
2	IC 480-569943/5	1.0	1.504244	4.0	303730.0	1.504244	Y
3	IC 480-569943/6	2.0	2.969014	4.0	305719.0	1.484507	Y
4	ICIS 480-569943/7	4.0	5.949576	4.0	306680.0	1.487394	Y
5	IC 480-569943/8	8.0	11.498556	4.0	311580.0	1.437319	Y
6	IC 480-569943/9	12.0	17.307519	4.0	307321.0	1.442293	Y
7	IC 480-569943/10	16.0	22.775509	4.0	298426.0	1.423469	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

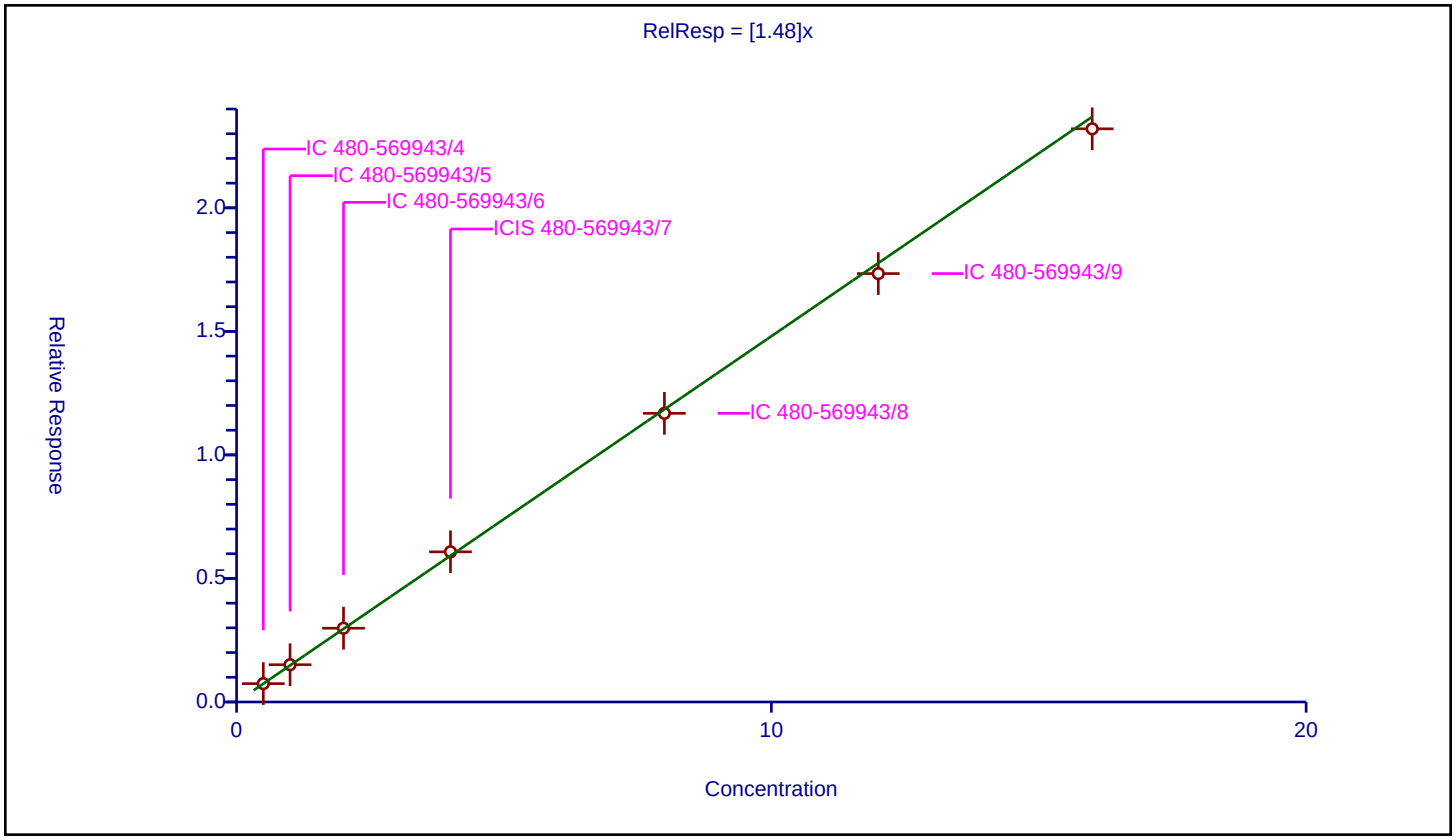
Curve Coefficients

Intercept:	0
Slope:	1.48

Error Coefficients

Standard Error:	990000
Relative Standard Error:	2.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.743441	4.0	318648.0	1.486882	Y
2	IC 480-569943/5	1.0	1.508103	4.0	303730.0	1.508103	Y
3	IC 480-569943/6	2.0	2.985997	4.0	305719.0	1.492998	Y
4	ICIS 480-569943/7	4.0	6.076562	4.0	306680.0	1.51914	Y
5	IC 480-569943/8	8.0	11.683279	4.0	311580.0	1.46041	Y
6	IC 480-569943/9	12.0	17.339733	4.0	307321.0	1.444978	Y
7	IC 480-569943/10	16.0	23.197684	4.0	298426.0	1.449855	Y



Calibration / Benzyl alcohol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

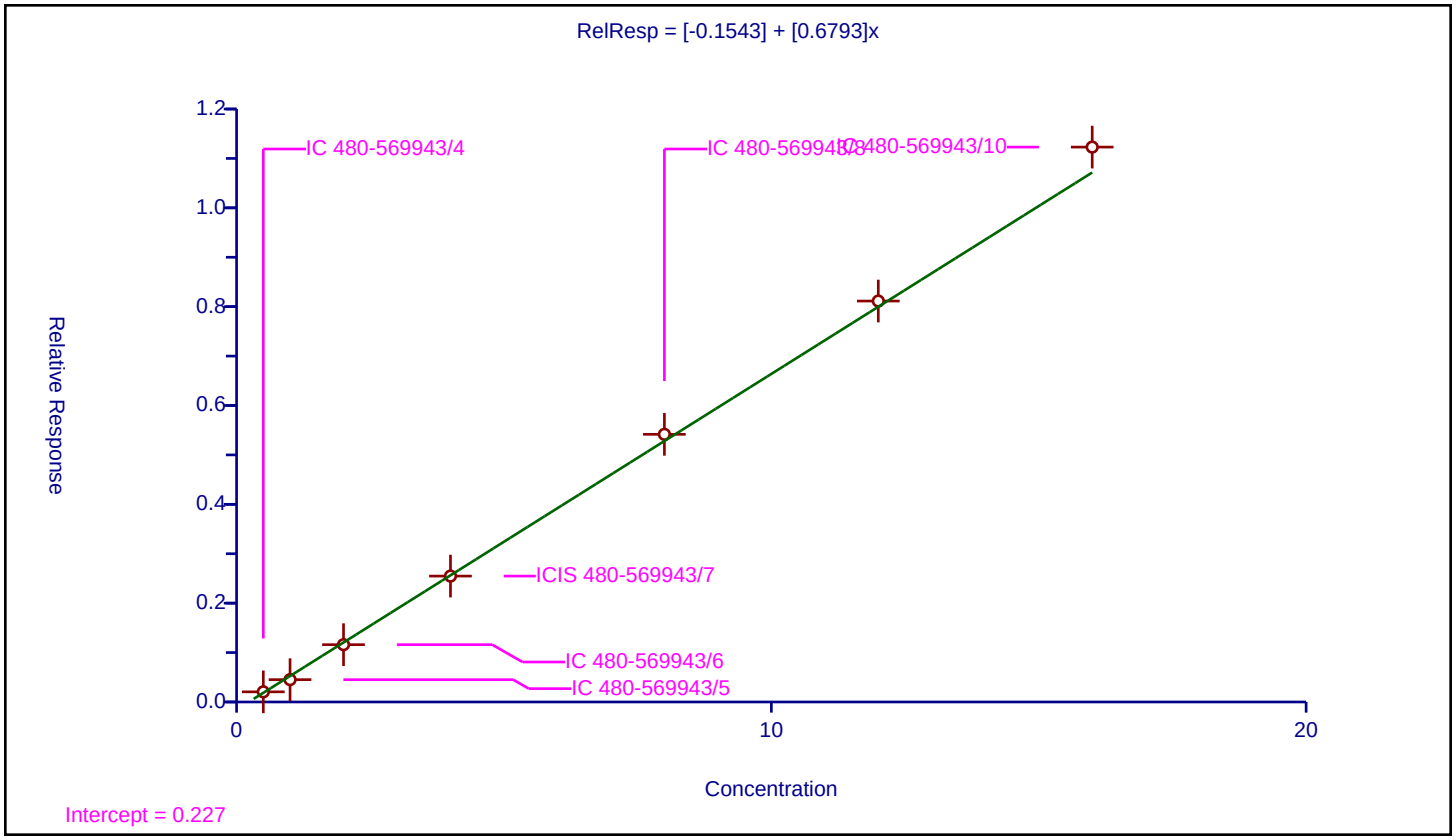
Curve Coefficients

Intercept:	-0.1543
Slope:	0.6793

Error Coefficients

Standard Error:	513000
Relative Standard Error:	6.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.205368	4.0	318648.0	0.410735	Y
2	IC 480-569943/5	1.0	0.451849	4.0	303730.0	0.451849	Y
3	IC 480-569943/6	2.0	1.160177	4.0	305719.0	0.580088	Y
4	ICIS 480-569943/7	4.0	2.548167	4.0	306680.0	0.637042	Y
5	IC 480-569943/8	8.0	5.416574	4.0	311580.0	0.677072	Y
6	IC 480-569943/9	12.0	8.114187	4.0	307321.0	0.676182	Y
7	IC 480-569943/10	16.0	11.229437	4.0	298426.0	0.70184	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

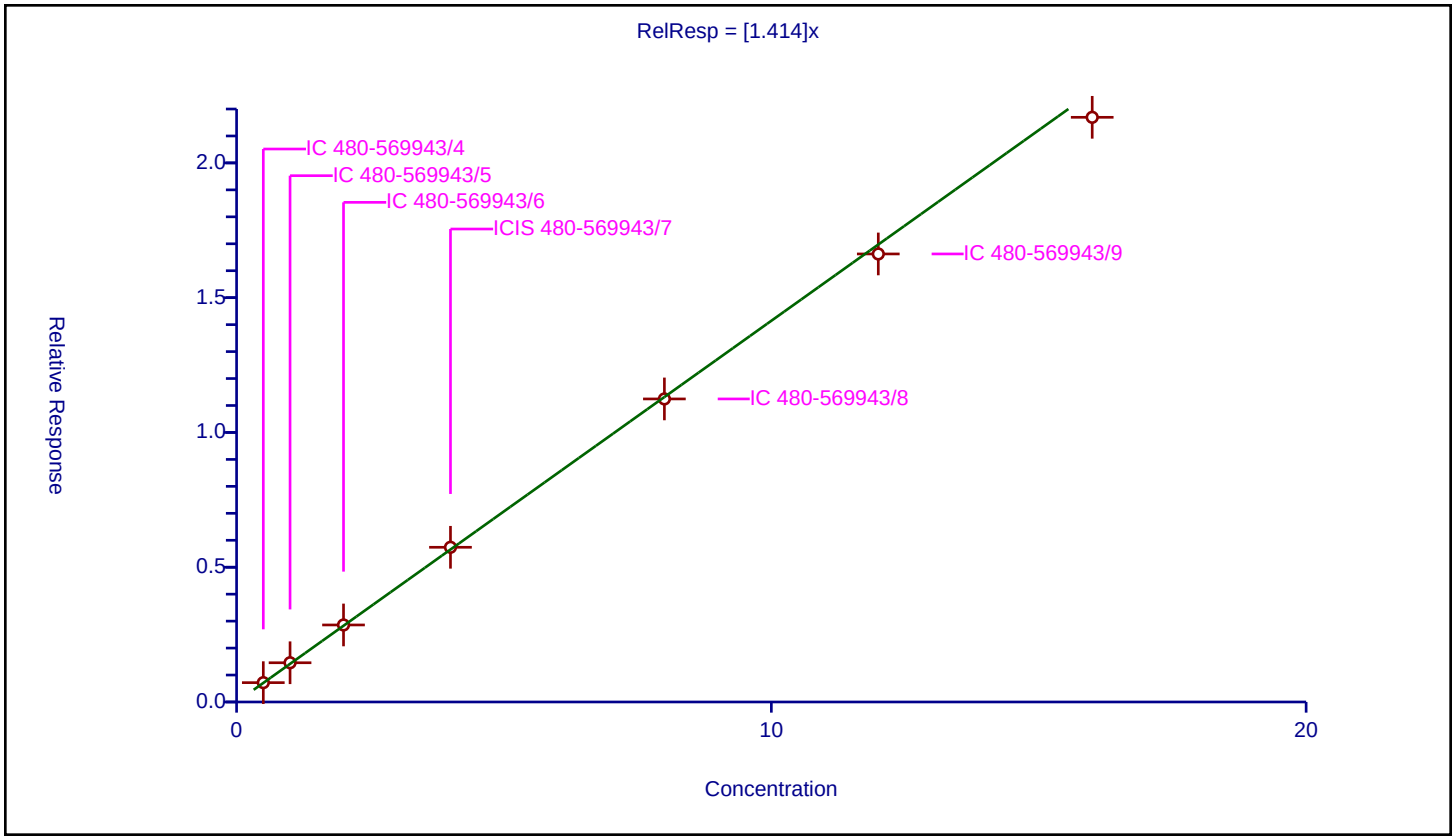
Curve Coefficients

Intercept:	0
Slope:	1.414

Error Coefficients

Standard Error:	938000
Relative Standard Error:	2.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.717393	4.0	318648.0	1.434787	Y
2	IC 480-569943/5	1.0	1.455464	4.0	303730.0	1.455464	Y
3	IC 480-569943/6	2.0	2.857448	4.0	305719.0	1.428724	Y
4	ICIS 480-569943/7	4.0	5.739833	4.0	306680.0	1.434958	Y
5	IC 480-569943/8	8.0	11.243186	4.0	311580.0	1.405398	Y
6	IC 480-569943/9	12.0	16.623192	4.0	307321.0	1.385266	Y
7	IC 480-569943/10	16.0	21.692212	4.0	298426.0	1.355763	Y



Calibration / 2-Methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

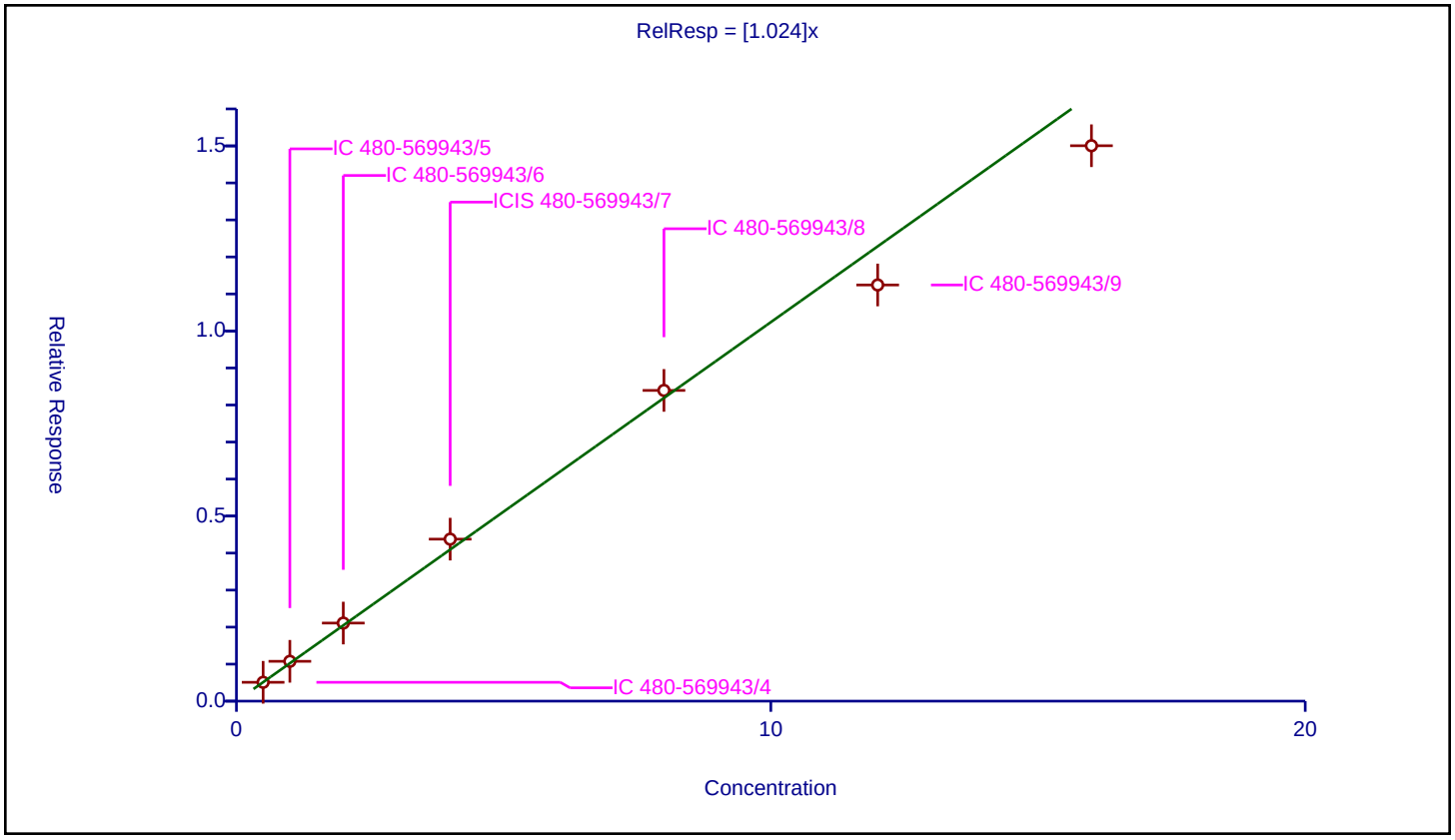
Curve Coefficients

Intercept:	0
Slope:	1.024

Error Coefficients

Standard Error:	655000
Relative Standard Error:	6.2
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.508749	4.0	318648.0	1.017499	Y
2	IC 480-569943/5	1.0	1.076311	4.0	303730.0	1.076311	Y
3	IC 480-569943/6	2.0	2.10927	4.0	305719.0	1.054635	Y
4	ICIS 480-569943/7	4.0	4.376405	4.0	306680.0	1.094101	Y
5	IC 480-569943/8	8.0	8.394634	4.0	311580.0	1.049329	Y
6	IC 480-569943/9	12.0	11.243189	4.0	307321.0	0.936932	Y
7	IC 480-569943/10	16.0	15.004939	4.0	298426.0	0.937809	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

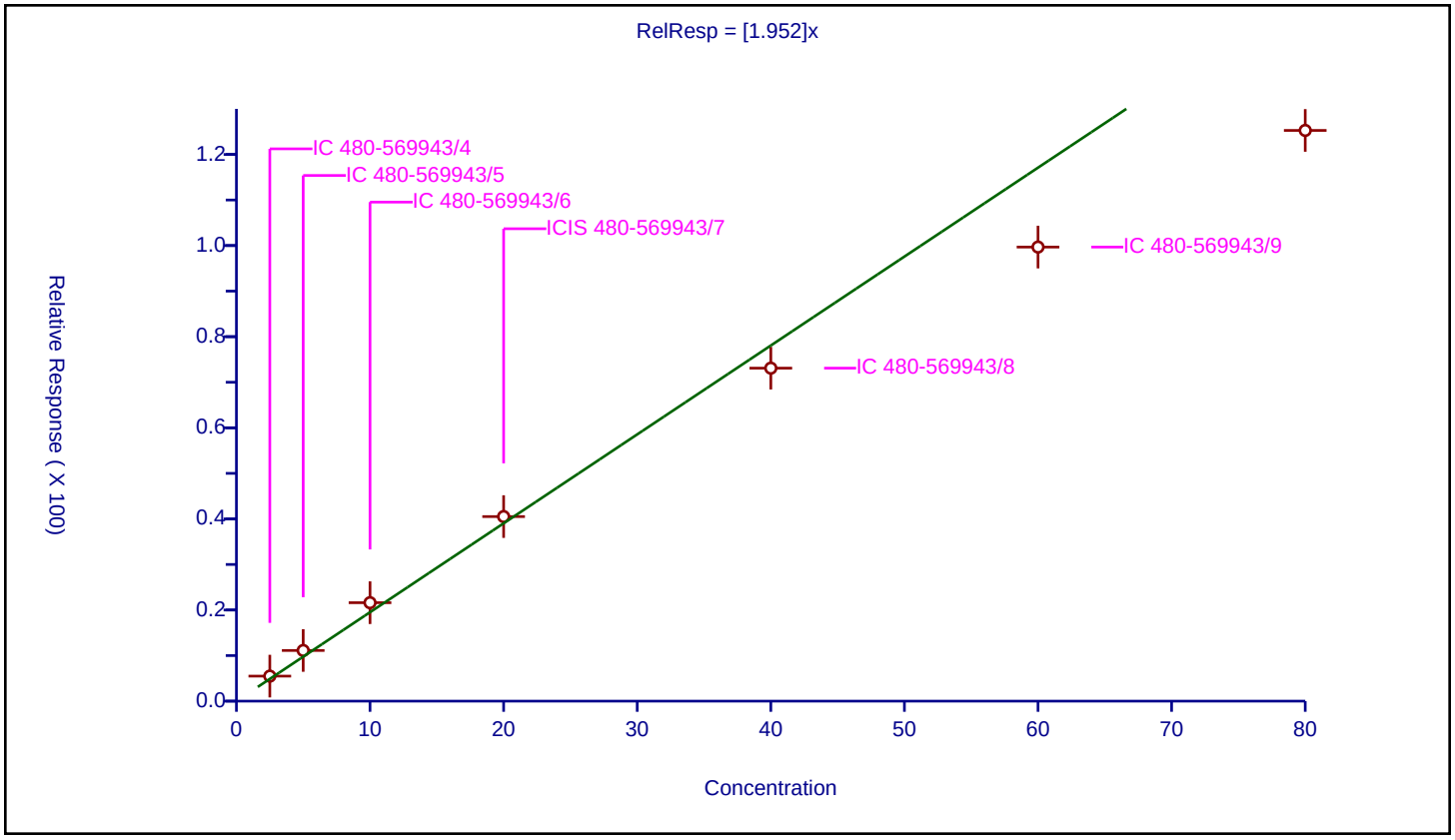
Curve Coefficients

Intercept:	0
Slope:	1.952

Error Coefficients

Standard Error:	5650000
Relative Standard Error:	13.7
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.967

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	2.5	5.490246	4.0	318648.0	2.196099	Y
2	IC 480-569943/5	5.0	11.121206	4.0	303730.0	2.224241	Y
3	IC 480-569943/6	10.0	21.608588	4.0	305719.0	2.160859	Y
4	ICIS 480-569943/7	20.0	40.513904	4.0	306680.0	2.025695	Y
5	IC 480-569943/8	40.0	73.09111	4.0	311580.0	1.827278	Y
6	IC 480-569943/9	60.0	99.672434	4.0	307321.0	1.661207	Y
7	IC 480-569943/10	80.0	125.267798	4.0	298426.0	1.565847	Y



Calibration / 2,2'-oxybis[1-chloropropane]

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

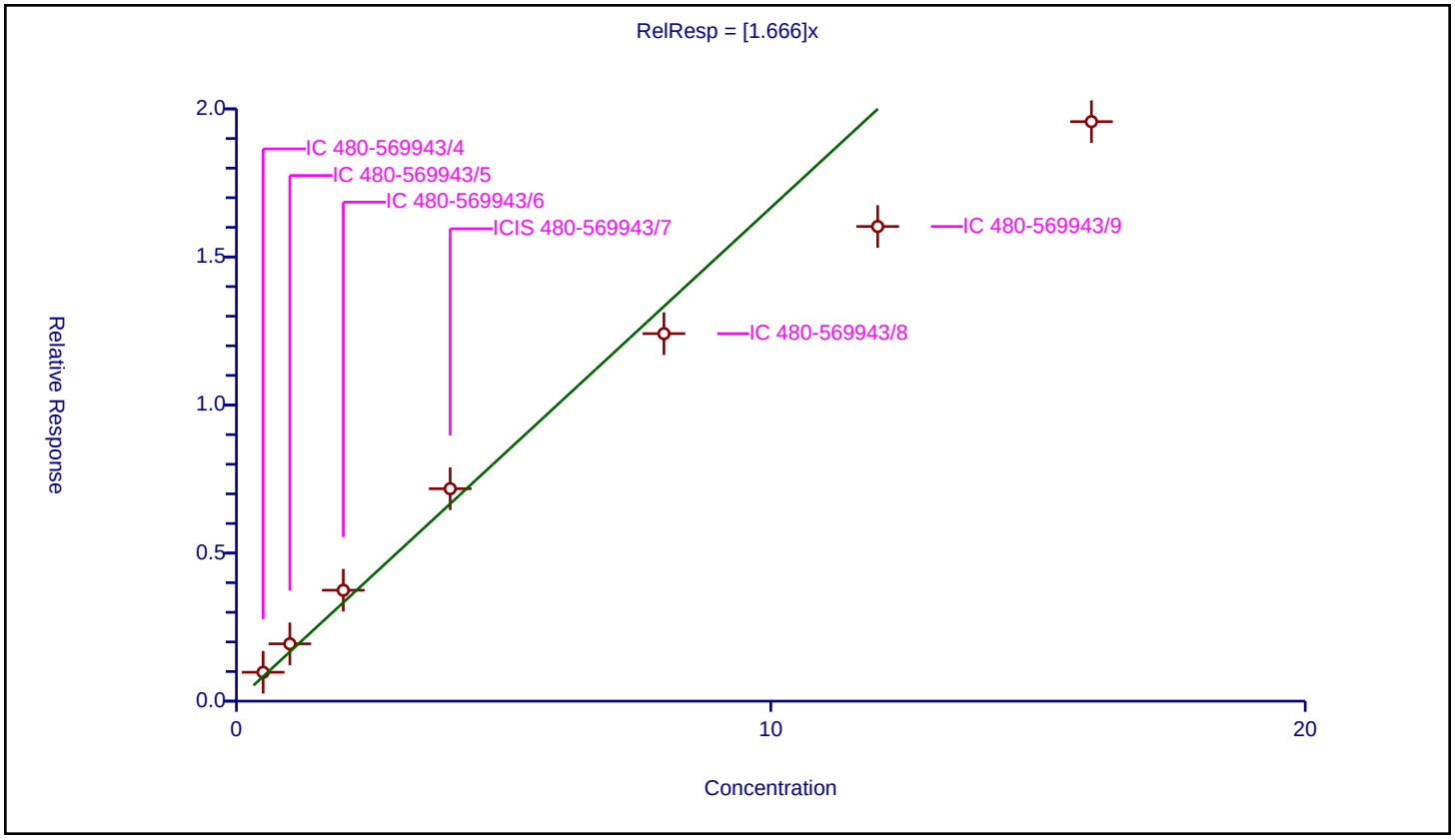
Curve Coefficients

Intercept:	0
Slope:	1.666

Error Coefficients

Standard Error:	912000
Relative Standard Error:	17.9
Correlation Coefficient:	0.976
Coefficient of Determination (Adjusted):	0.942

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.975409	4.0	318648.0	1.950817	Y
2	IC 480-569943/5	1.0	1.936338	4.0	303730.0	1.936338	Y
3	IC 480-569943/6	2.0	3.745309	4.0	305719.0	1.872654	Y
4	ICIS 480-569943/7	4.0	7.174279	4.0	306680.0	1.79357	Y
5	IC 480-569943/8	8.0	12.41027	4.0	311580.0	1.551284	Y
6	IC 480-569943/9	12.0	16.028674	4.0	307321.0	1.335723	Y
7	IC 480-569943/10	16.0	19.56985	4.0	298426.0	1.223116	Y



Calibration / N-Nitrosodi-n-propylamine

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

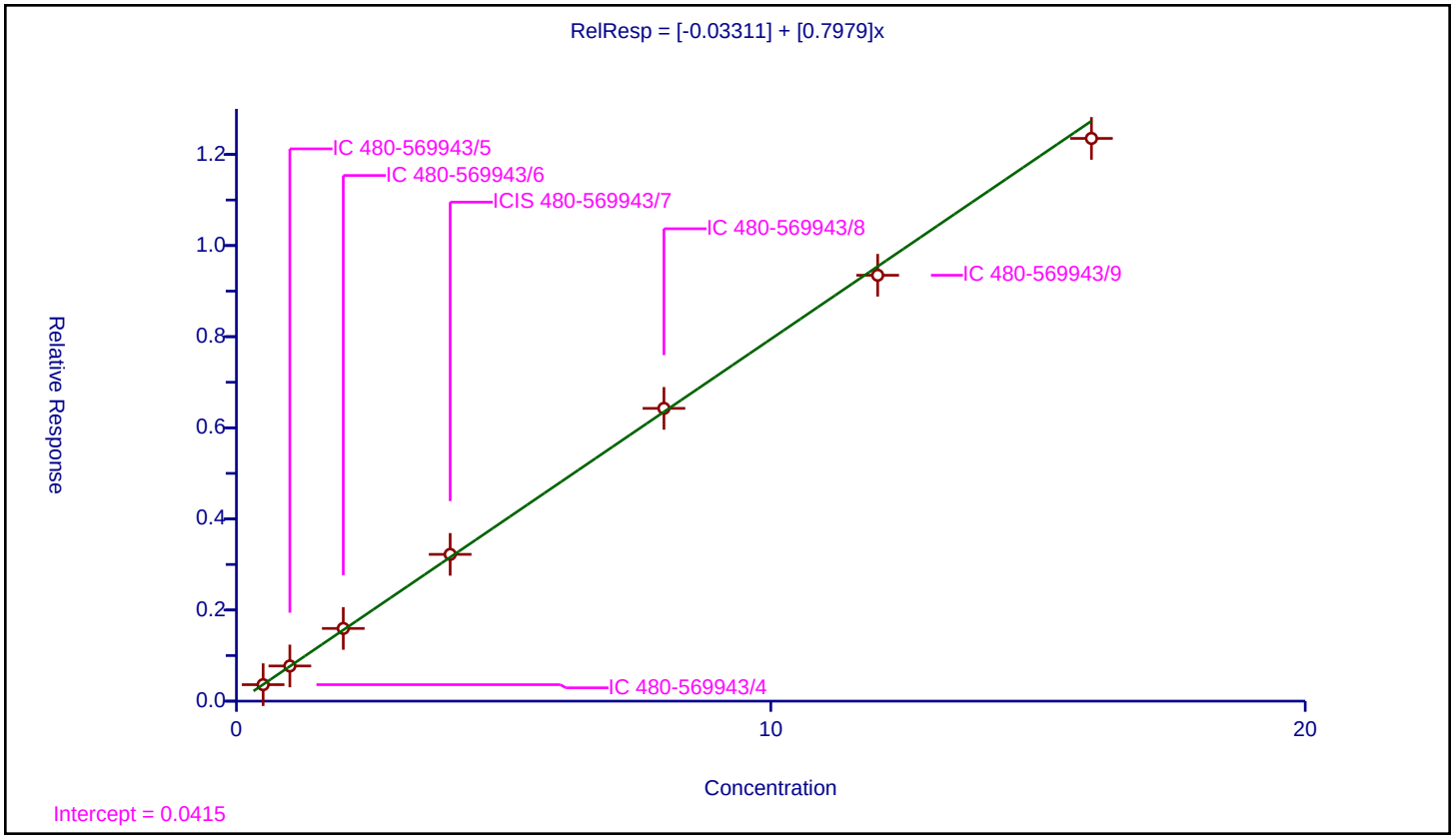
Curve Coefficients

Intercept:	-0.03311
Slope:	0.7979

Error Coefficients

Standard Error:	582000
Relative Standard Error:	2.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.361389	4.0	318648.0	0.722779	Y
2	IC 480-569943/5	1.0	0.772212	4.0	303730.0	0.772212	Y
3	IC 480-569943/6	2.0	1.595583	4.0	305719.0	0.797791	Y
4	ICIS 480-569943/7	4.0	3.221286	4.0	306680.0	0.805322	Y
5	IC 480-569943/8	8.0	6.426253	4.0	311580.0	0.803282	Y
6	IC 480-569943/9	12.0	9.348349	4.0	307321.0	0.779029	Y
7	IC 480-569943/10	16.0	12.351993	4.0	298426.0	0.772	Y



Calibration / Acetophenone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

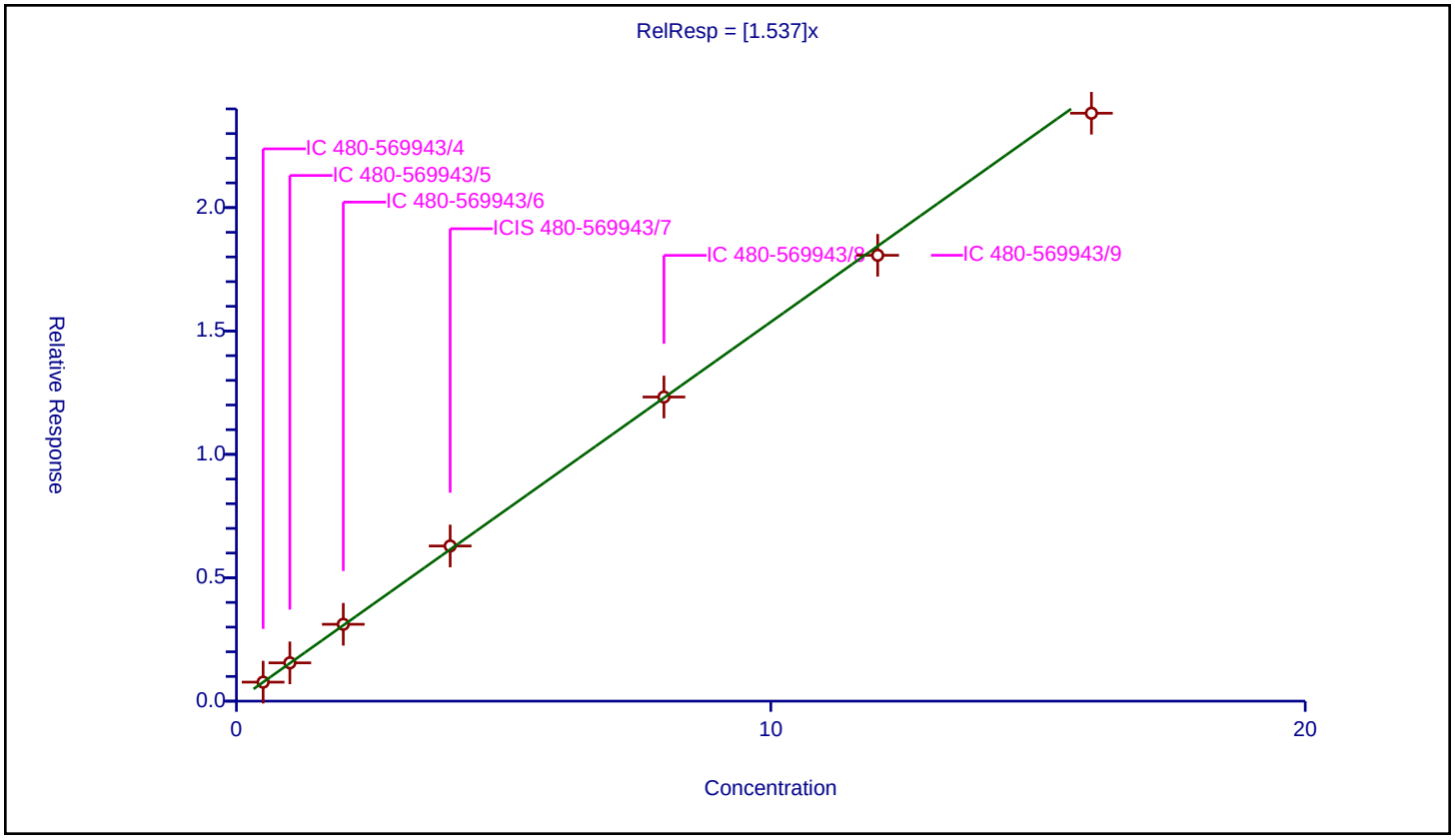
Curve Coefficients

Intercept:	0
Slope:	1.537

Error Coefficients

Standard Error:	1030000
Relative Standard Error:	1.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.769765	4.0	318648.0	1.53953	Y
2	IC 480-569943/5	1.0	1.551773	4.0	303730.0	1.551773	Y
3	IC 480-569943/6	2.0	3.114402	4.0	305719.0	1.557201	Y
4	ICIS 480-569943/7	4.0	6.287792	4.0	306680.0	1.571948	Y
5	IC 480-569943/8	8.0	12.324052	4.0	311580.0	1.540506	Y
6	IC 480-569943/9	12.0	18.067896	4.0	307321.0	1.505658	Y
7	IC 480-569943/10	16.0	23.823527	4.0	298426.0	1.48897	Y



Calibration / 4-Methylphenol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

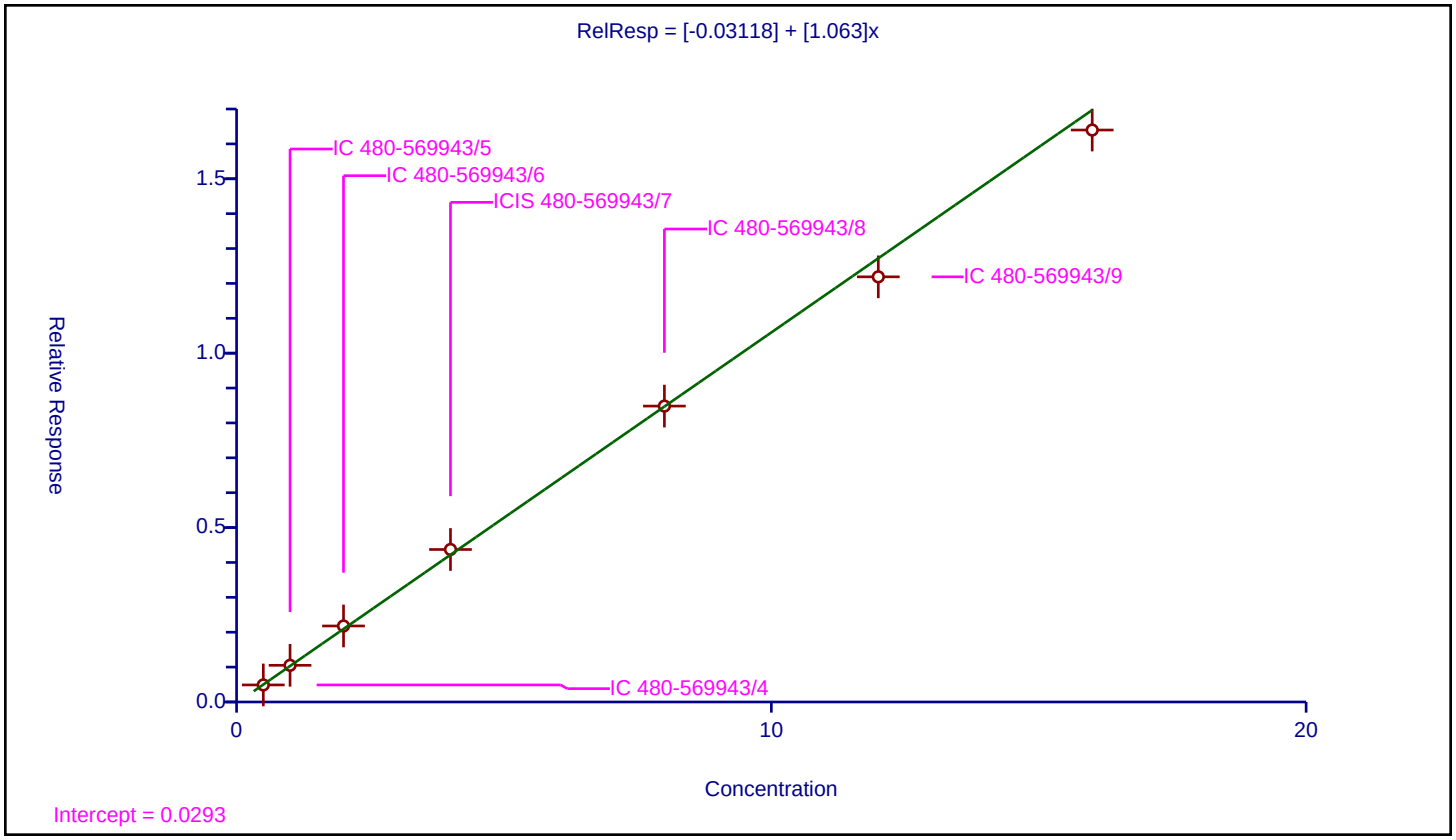
Curve Coefficients

Intercept:	-0.03118
Slope:	1.063

Error Coefficients

Standard Error:	769000
Relative Standard Error:	3.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.48879	4.0	318648.0	0.97758	Y
2	IC 480-569943/5	1.0	1.051552	4.0	303730.0	1.051552	Y
3	IC 480-569943/6	2.0	2.179178	4.0	305719.0	1.089589	Y
4	ICIS 480-569943/7	4.0	4.372062	4.0	306680.0	1.093016	Y
5	IC 480-569943/8	8.0	8.483189	4.0	311580.0	1.060399	Y
6	IC 480-569943/9	12.0	12.18891	4.0	307321.0	1.015742	Y
7	IC 480-569943/10	16.0	16.397392	4.0	298426.0	1.024837	Y



Calibration / Hexachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

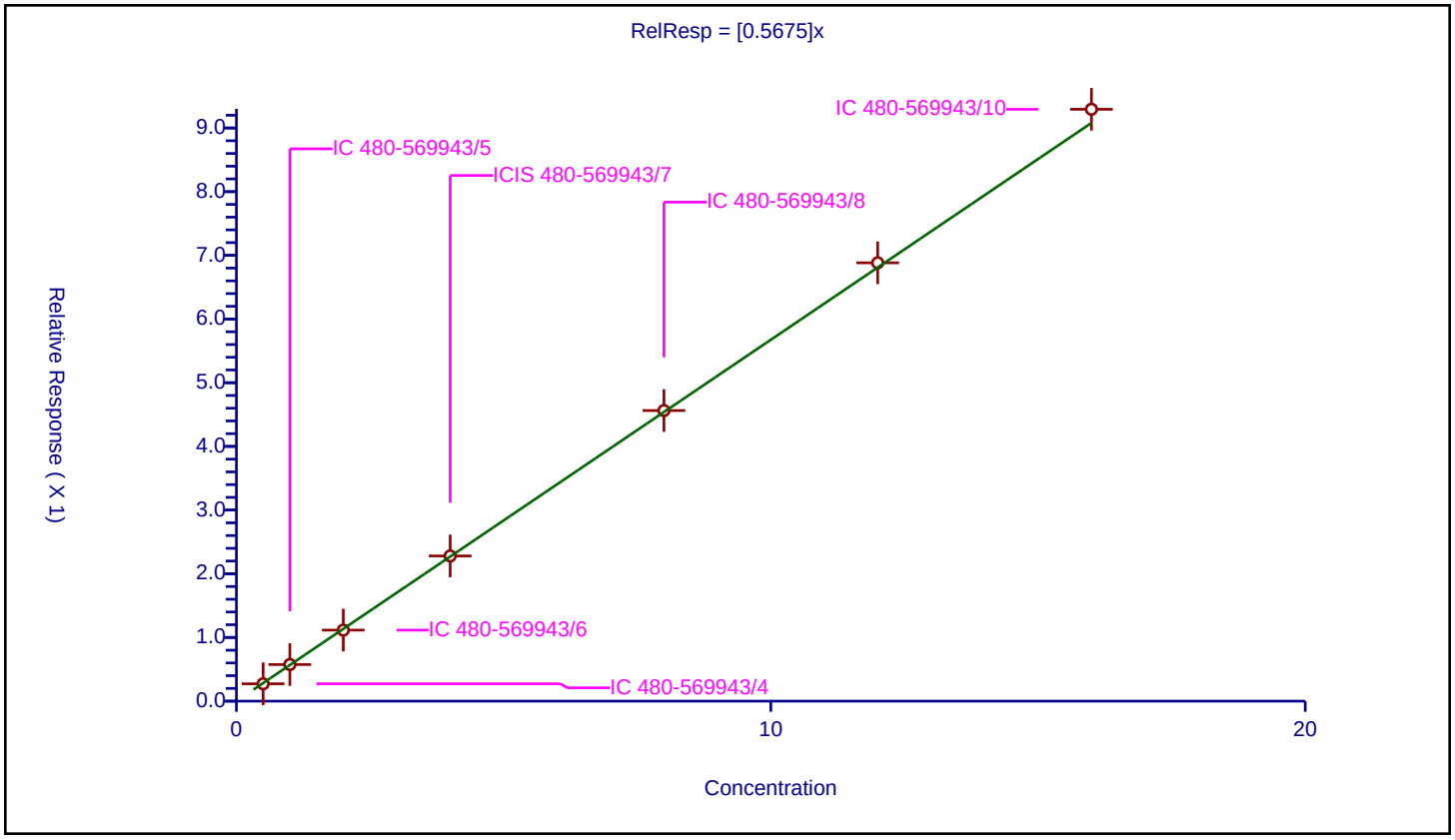
Curve Coefficients

Intercept:	0
Slope:	0.5675

Error Coefficients

Standard Error:	393000
Relative Standard Error:	2.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.272564	4.0	318648.0	0.545128	Y
2	IC 480-569943/5	1.0	0.574708	4.0	303730.0	0.574708	Y
3	IC 480-569943/6	2.0	1.115142	4.0	305719.0	0.557571	Y
4	ICIS 480-569943/7	4.0	2.279875	4.0	306680.0	0.569969	Y
5	IC 480-569943/8	8.0	4.563297	4.0	311580.0	0.570412	Y
6	IC 480-569943/9	12.0	6.883044	4.0	307321.0	0.573587	Y
7	IC 480-569943/10	16.0	9.29356	4.0	298426.0	0.580848	Y



Calibration / Nitrobenzene-d5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

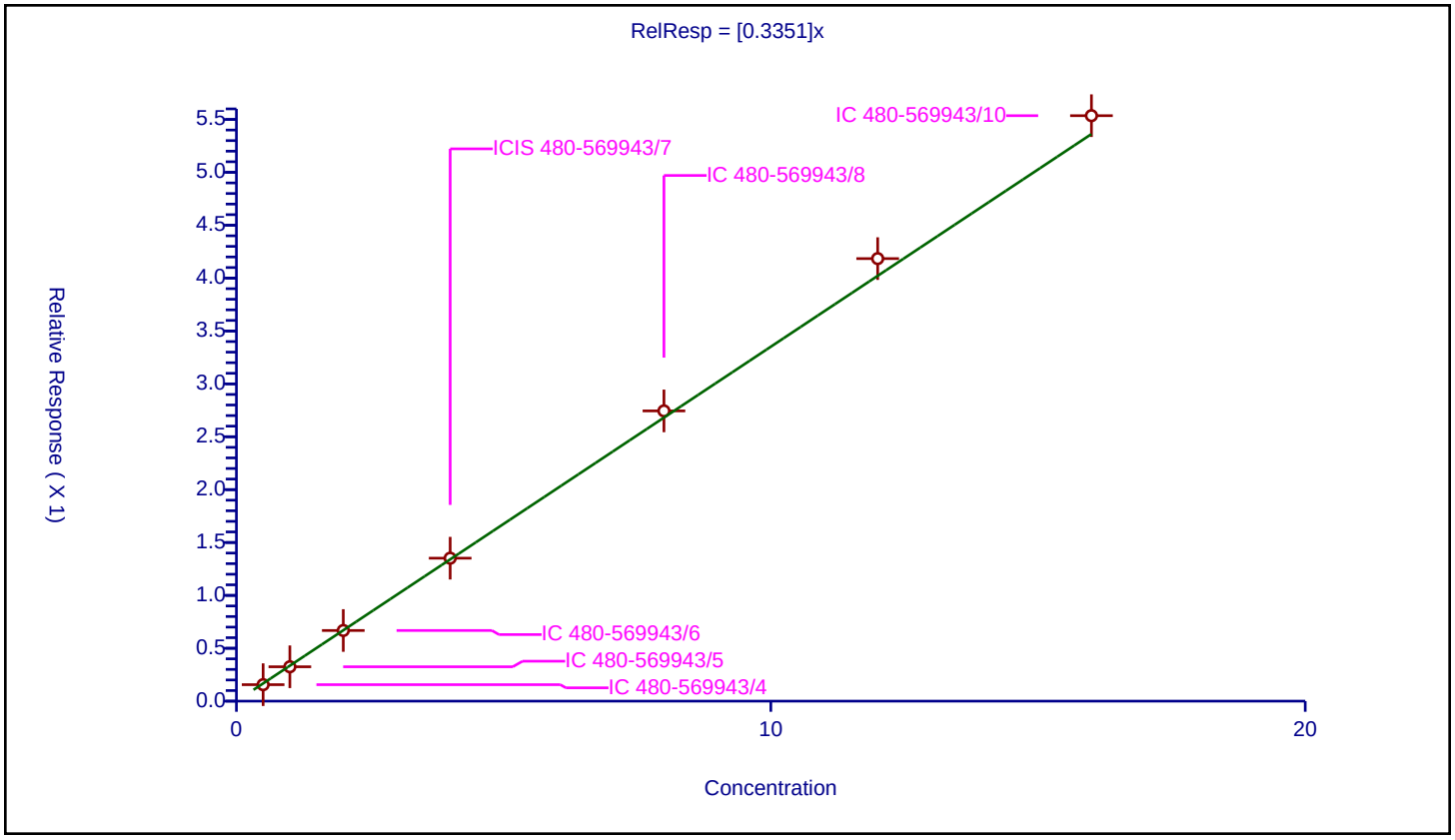
Curve Coefficients

Intercept:	0
Slope:	0.3351

Error Coefficients

Standard Error:	842000
Relative Standard Error:	3.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.155645	4.0	1108701.0	0.31129	Y
2	IC 480-569943/5	1.0	0.32494	4.0	1068959.0	0.32494	Y
3	IC 480-569943/6	2.0	0.667916	4.0	1090526.0	0.333958	Y
4	ICIS 480-569943/7	4.0	1.351655	4.0	1088103.0	0.337914	Y
5	IC 480-569943/8	8.0	2.744462	4.0	1115385.0	0.343058	Y
6	IC 480-569943/9	12.0	4.184538	4.0	1100651.0	0.348712	Y
7	IC 480-569943/10	16.0	5.535765	4.0	1062212.0	0.345985	Y



Calibration / Nitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

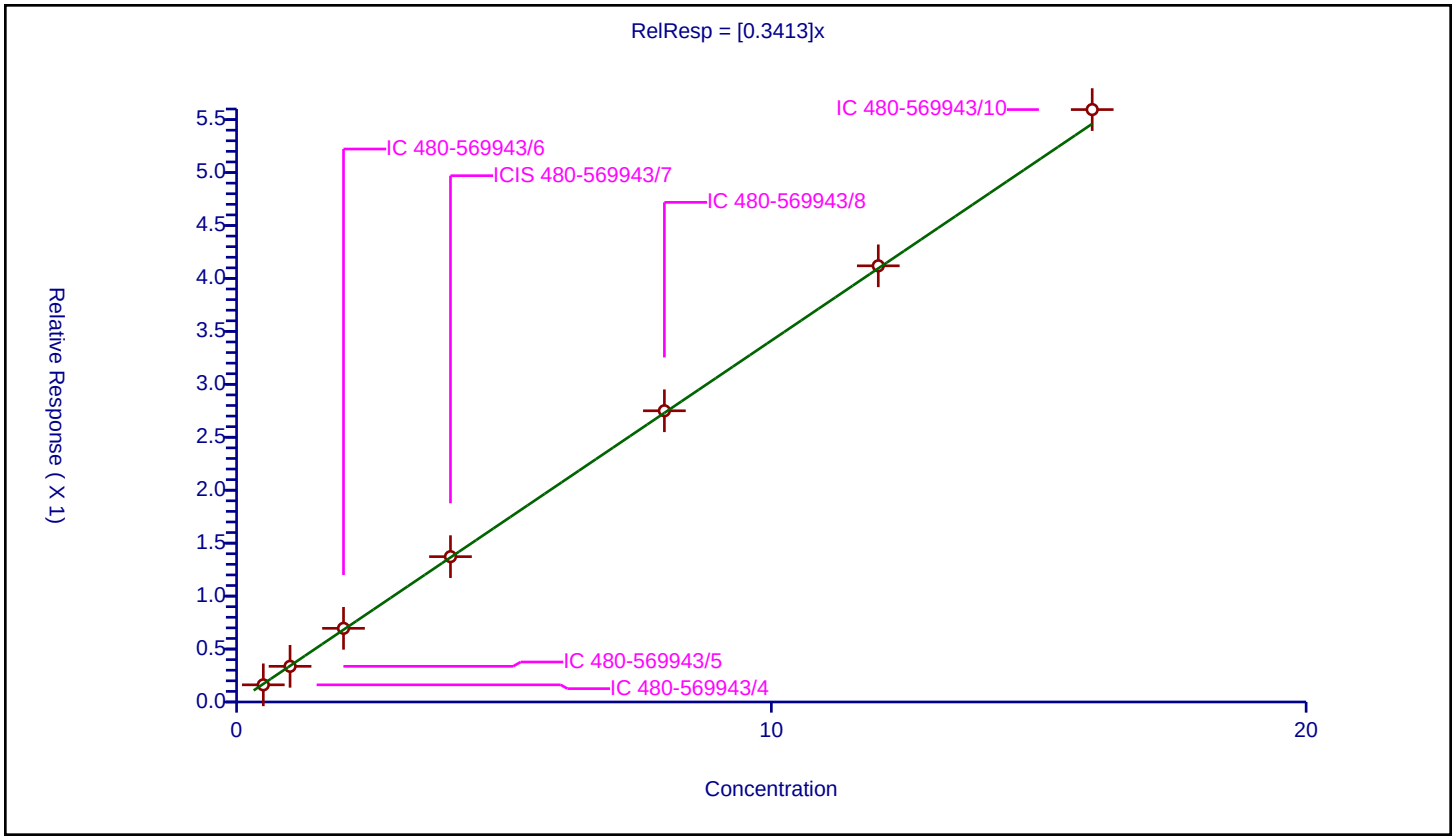
Curve Coefficients

Intercept:	0
Slope:	0.3413

Error Coefficients

Standard Error:	843000
Relative Standard Error:	2.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.162107	4.0	1108701.0	0.324214	Y
2	IC 480-569943/5	1.0	0.33693	4.0	1068959.0	0.33693	Y
3	IC 480-569943/6	2.0	0.695657	4.0	1090526.0	0.347828	Y
4	ICIS 480-569943/7	4.0	1.372539	4.0	1088103.0	0.343135	Y
5	IC 480-569943/8	8.0	2.750311	4.0	1115385.0	0.343789	Y
6	IC 480-569943/9	12.0	4.119071	4.0	1100651.0	0.343256	Y
7	IC 480-569943/10	16.0	5.594612	4.0	1062212.0	0.349663	Y



Calibration / Isophorone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

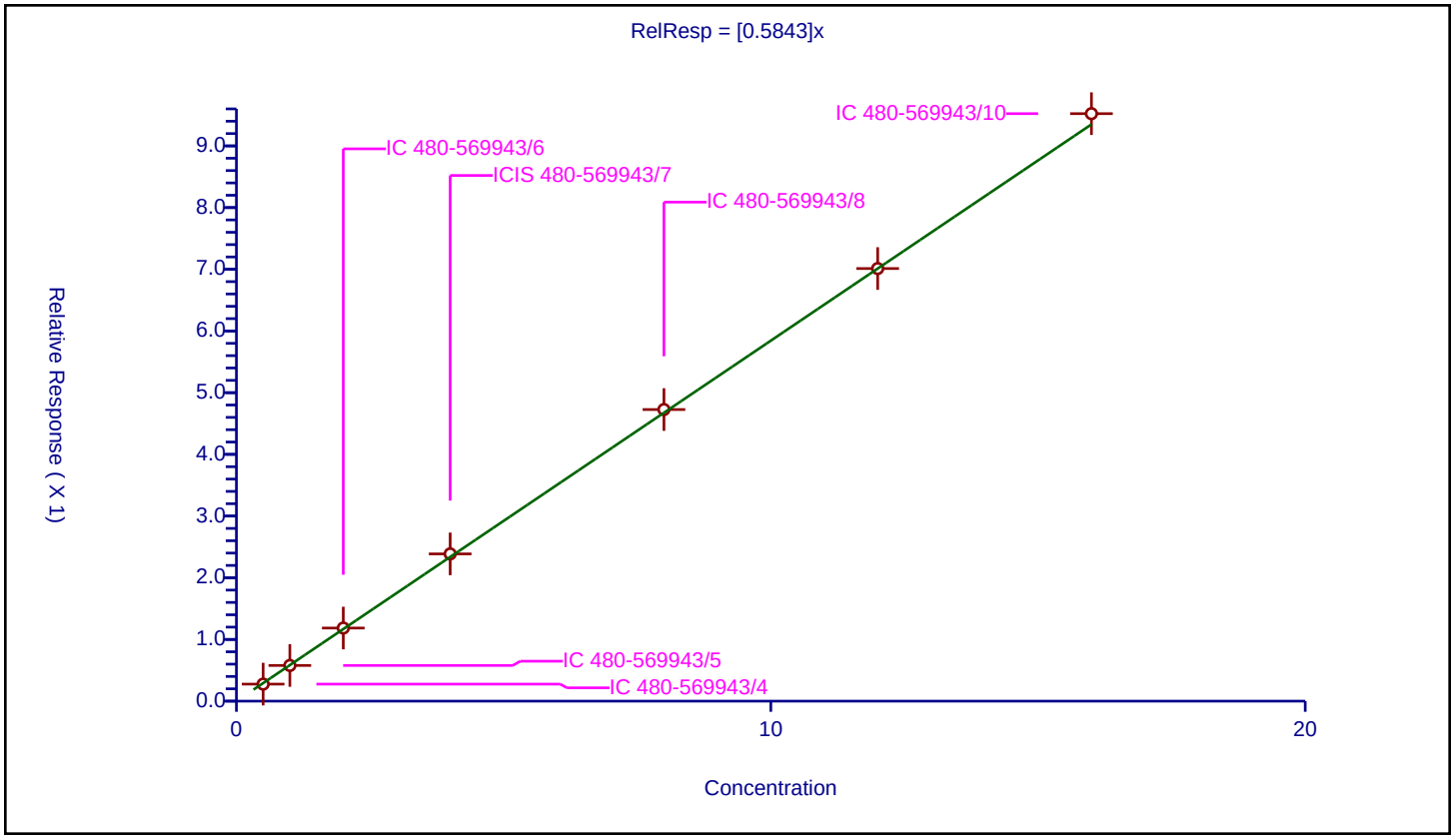
Curve Coefficients

Intercept:	0
Slope:	0.5843

Error Coefficients

Standard Error:	1440000
Relative Standard Error:	2.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.276262	4.0	1108701.0	0.552524	Y
2	IC 480-569943/5	1.0	0.578121	4.0	1068959.0	0.578121	Y
3	IC 480-569943/6	2.0	1.184753	4.0	1090526.0	0.592377	Y
4	ICIS 480-569943/7	4.0	2.386884	4.0	1088103.0	0.596721	Y
5	IC 480-569943/8	8.0	4.726759	4.0	1115385.0	0.590845	Y
6	IC 480-569943/9	12.0	7.012461	4.0	1100651.0	0.584372	Y
7	IC 480-569943/10	16.0	9.522653	4.0	1062212.0	0.595166	Y



Calibration / 2-Nitrophenol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

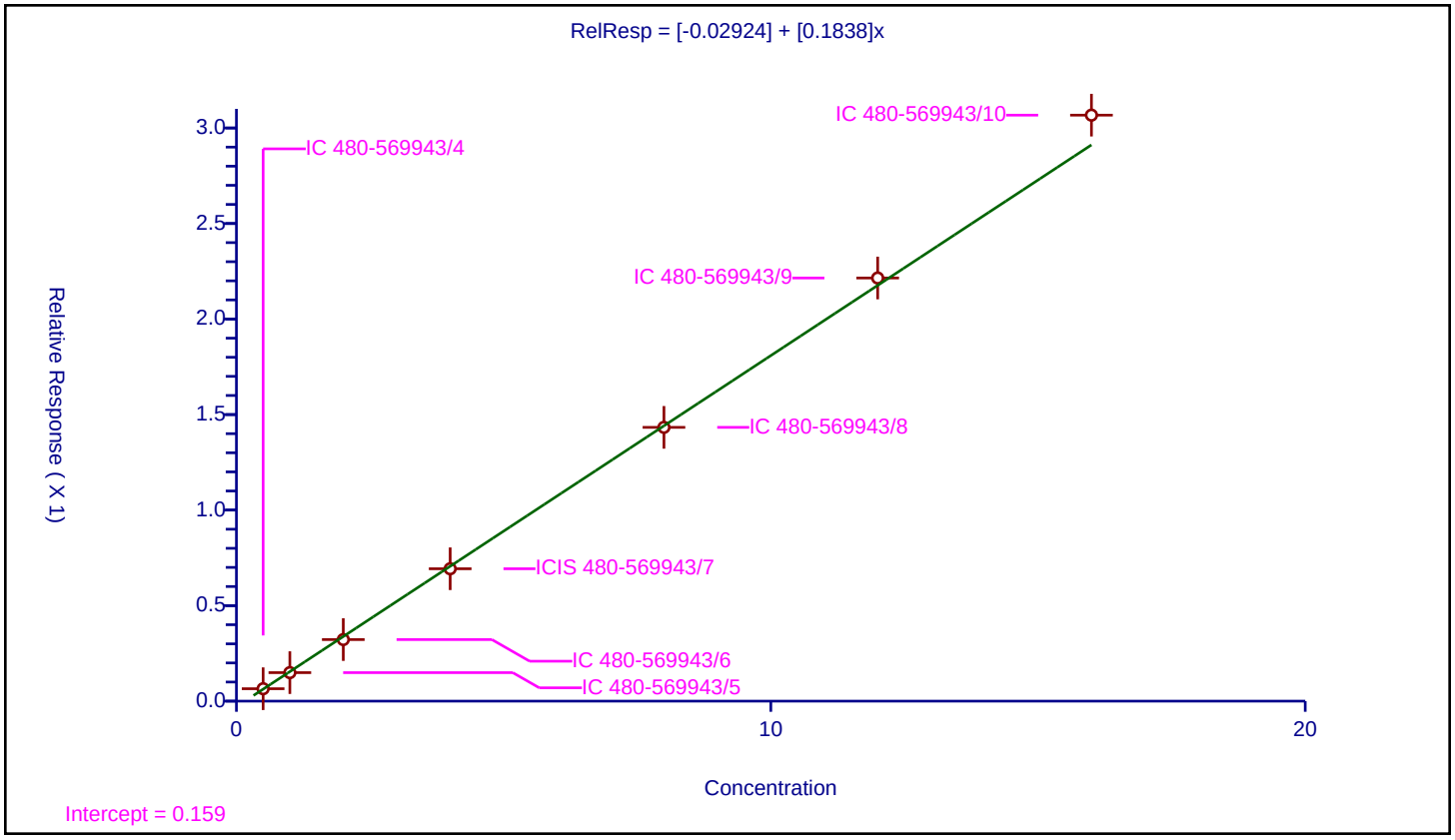
Curve Coefficients

Intercept:	-0.02924
Slope:	0.1838

Error Coefficients

Standard Error:	498000
Relative Standard Error:	3.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.065017	4.0	1108701.0	0.130033	Y
2	IC 480-569943/5	1.0	0.149188	4.0	1068959.0	0.149188	Y
3	IC 480-569943/6	2.0	0.322281	4.0	1090526.0	0.161141	Y
4	ICIS 480-569943/7	4.0	0.69292	4.0	1088103.0	0.17323	Y
5	IC 480-569943/8	8.0	1.433012	4.0	1115385.0	0.179126	Y
6	IC 480-569943/9	12.0	2.214835	4.0	1100651.0	0.18457	Y
7	IC 480-569943/10	16.0	3.067267	4.0	1062212.0	0.191704	Y



Calibration / 2,4-Dimethylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

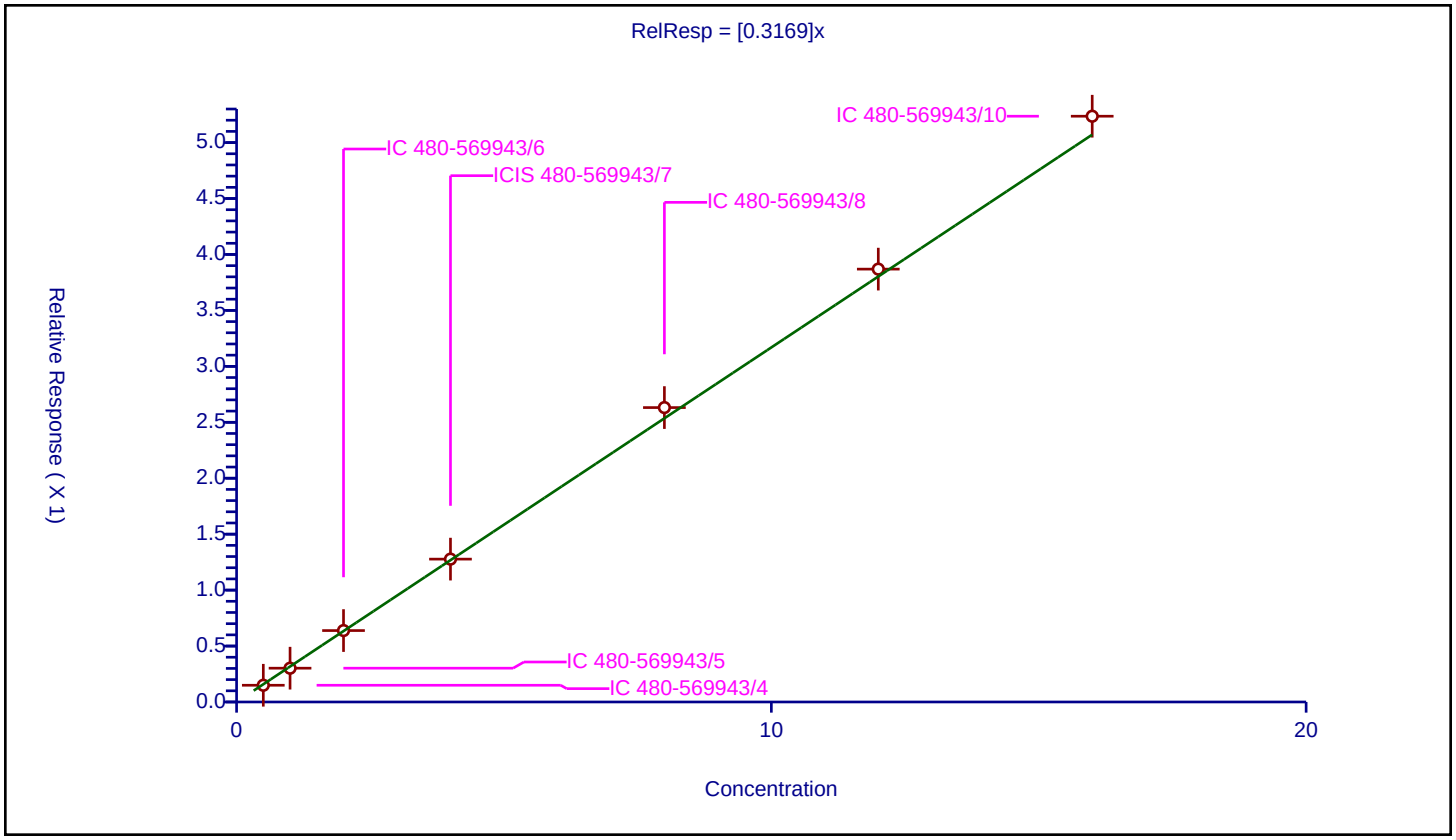
Curve Coefficients

Intercept:	0
Slope:	0.3169

Error Coefficients

Standard Error:	792000
Relative Standard Error:	3.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.149638	4.0	1108701.0	0.299276	Y
2	IC 480-569943/5	1.0	0.302051	4.0	1068959.0	0.302051	Y
3	IC 480-569943/6	2.0	0.638437	4.0	1090526.0	0.319218	Y
4	ICIS 480-569943/7	4.0	1.277056	4.0	1088103.0	0.319264	Y
5	IC 480-569943/8	8.0	2.631583	4.0	1115385.0	0.328948	Y
6	IC 480-569943/9	12.0	3.86903	4.0	1100651.0	0.322419	Y
7	IC 480-569943/10	16.0	5.235531	4.0	1062212.0	0.327221	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

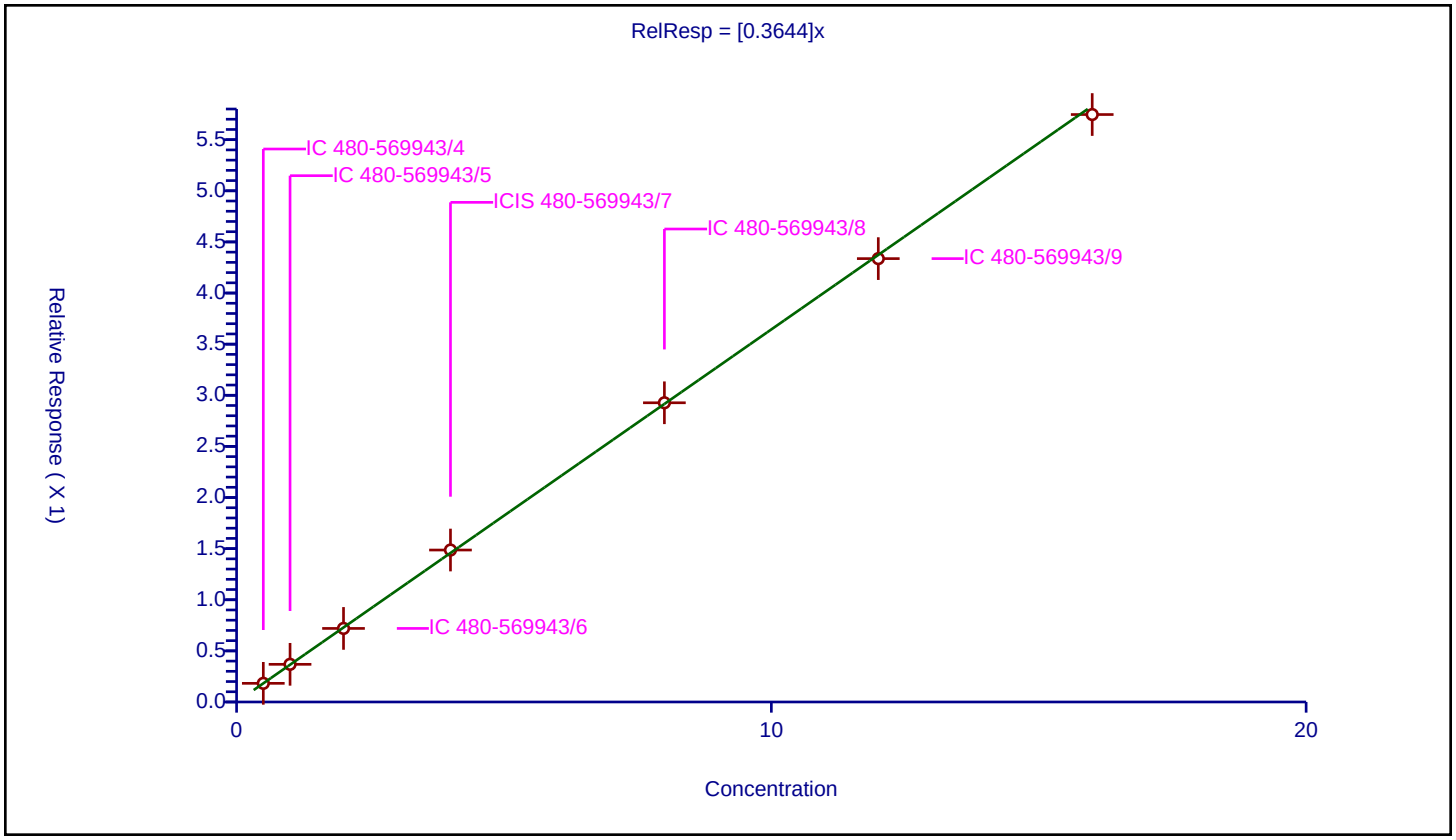
Curve Coefficients

Intercept:	0
Slope:	0.3644

Error Coefficients

Standard Error:	879000
Relative Standard Error:	1.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.18235	4.0	1108701.0	0.364701	Y
2	IC 480-569943/5	1.0	0.368482	4.0	1068959.0	0.368482	Y
3	IC 480-569943/6	2.0	0.719455	4.0	1090526.0	0.359727	Y
4	ICIS 480-569943/7	4.0	1.486455	4.0	1088103.0	0.371614	Y
5	IC 480-569943/8	8.0	2.926541	4.0	1115385.0	0.365818	Y
6	IC 480-569943/9	12.0	4.336604	4.0	1100651.0	0.361384	Y
7	IC 480-569943/10	16.0	5.74599	4.0	1062212.0	0.359124	Y



Calibration / Benzoic acid

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

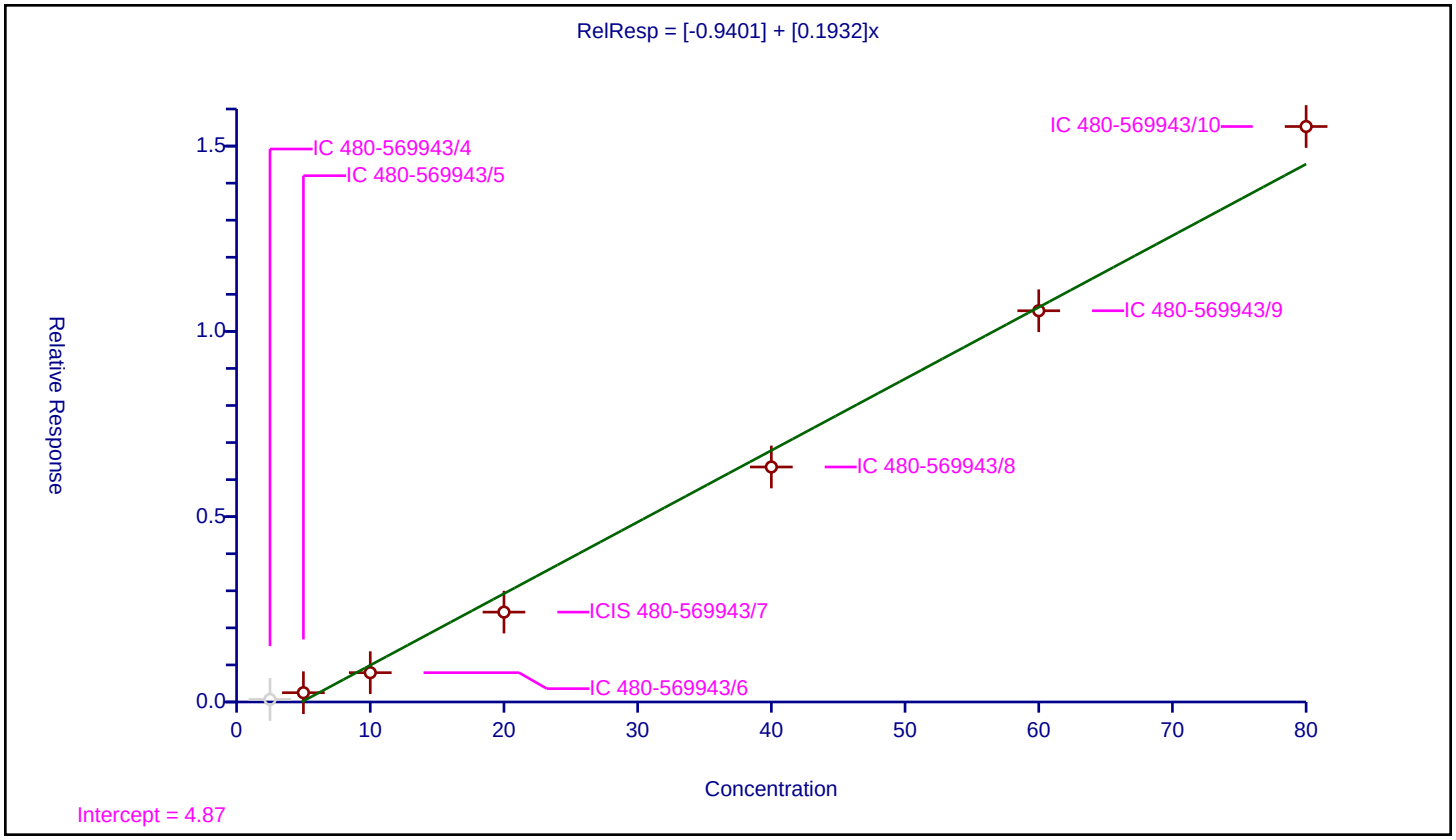
Curve Coefficients

Intercept:	-0.9401
Slope:	0.1932

Error Coefficients

Standard Error:	2700000
Relative Standard Error:	14.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	2.5	0.069047	4.0	1108701.0	0.027619	N
2	IC 480-569943/5	5.0	0.250805	4.0	1068959.0	0.050161	Y
3	IC 480-569943/6	10.0	0.791299	4.0	1090526.0	0.07913	Y
4	ICIS 480-569943/7	20.0	2.425175	4.0	1088103.0	0.121259	Y
5	IC 480-569943/8	40.0	6.341	4.0	1115385.0	0.158525	Y
6	IC 480-569943/9	60.0	10.556483	4.0	1100651.0	0.175941	Y
7	IC 480-569943/10	80.0	15.528139	4.0	1062212.0	0.194102	Y



Calibration / 2,4-Dichlorophenol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

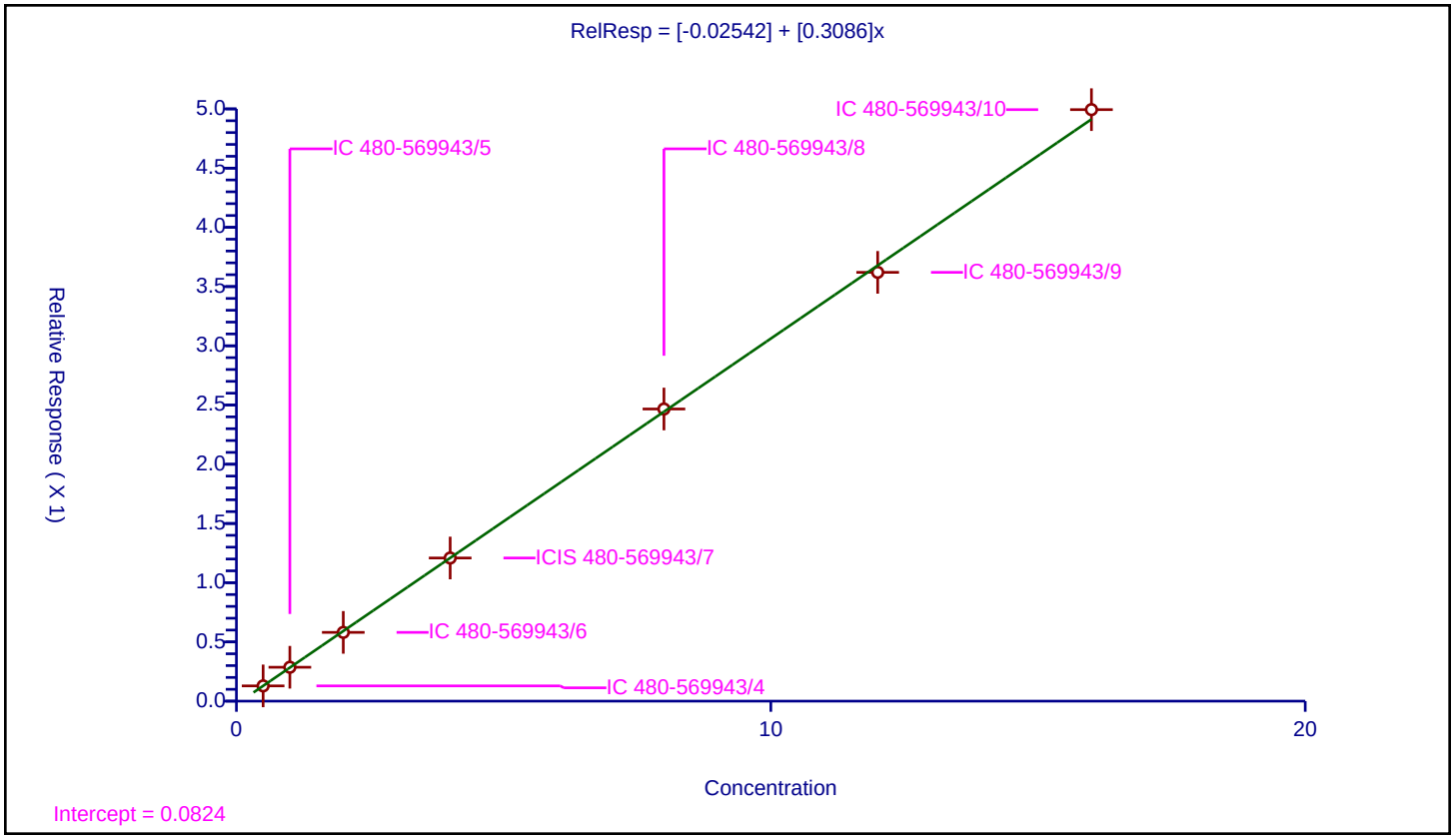
Curve Coefficients

Intercept:	-0.02542
Slope:	0.3086

Error Coefficients

Standard Error:	820000
Relative Standard Error:	1.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.128817	4.0	1108701.0	0.257635	Y
2	IC 480-569943/5	1.0	0.286091	4.0	1068959.0	0.286091	Y
3	IC 480-569943/6	2.0	0.580399	4.0	1090526.0	0.290199	Y
4	ICIS 480-569943/7	4.0	1.208426	4.0	1088103.0	0.302107	Y
5	IC 480-569943/8	8.0	2.466255	4.0	1115385.0	0.308282	Y
6	IC 480-569943/9	12.0	3.620065	4.0	1100651.0	0.301672	Y
7	IC 480-569943/10	16.0	4.993591	4.0	1062212.0	0.312099	Y



Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

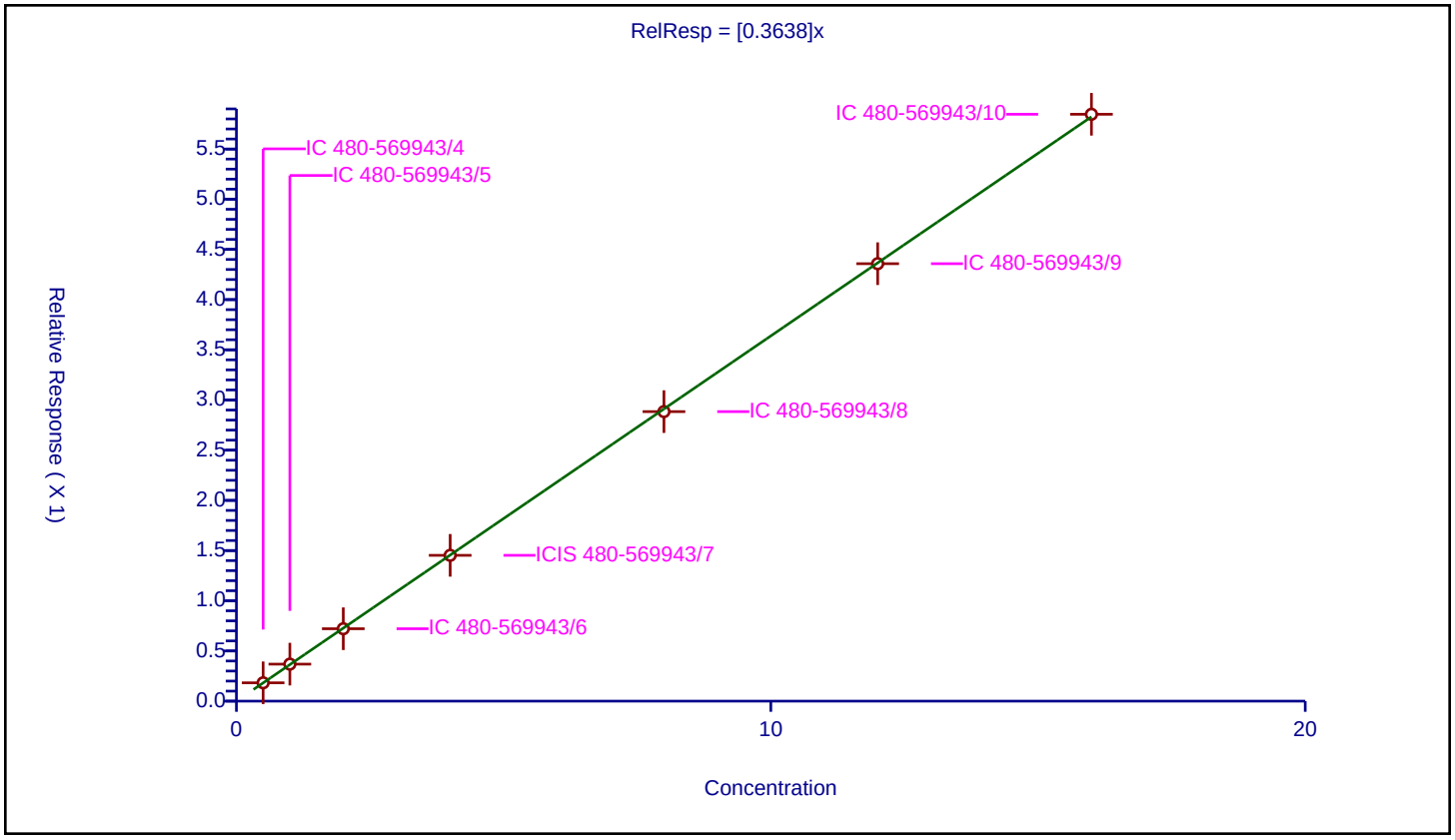
Curve Coefficients

Intercept:	0
Slope:	0.3638

Error Coefficients

Standard Error:	885000
Relative Standard Error:	0.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.182653	4.0	1108701.0	0.365307	Y
2	IC 480-569943/5	1.0	0.368691	4.0	1068959.0	0.368691	Y
3	IC 480-569943/6	2.0	0.721234	4.0	1090526.0	0.360617	Y
4	ICIS 480-569943/7	4.0	1.452565	4.0	1088103.0	0.363141	Y
5	IC 480-569943/8	8.0	2.884292	4.0	1115385.0	0.360536	Y
6	IC 480-569943/9	12.0	4.358014	4.0	1100651.0	0.363168	Y
7	IC 480-569943/10	16.0	5.846328	4.0	1062212.0	0.365396	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

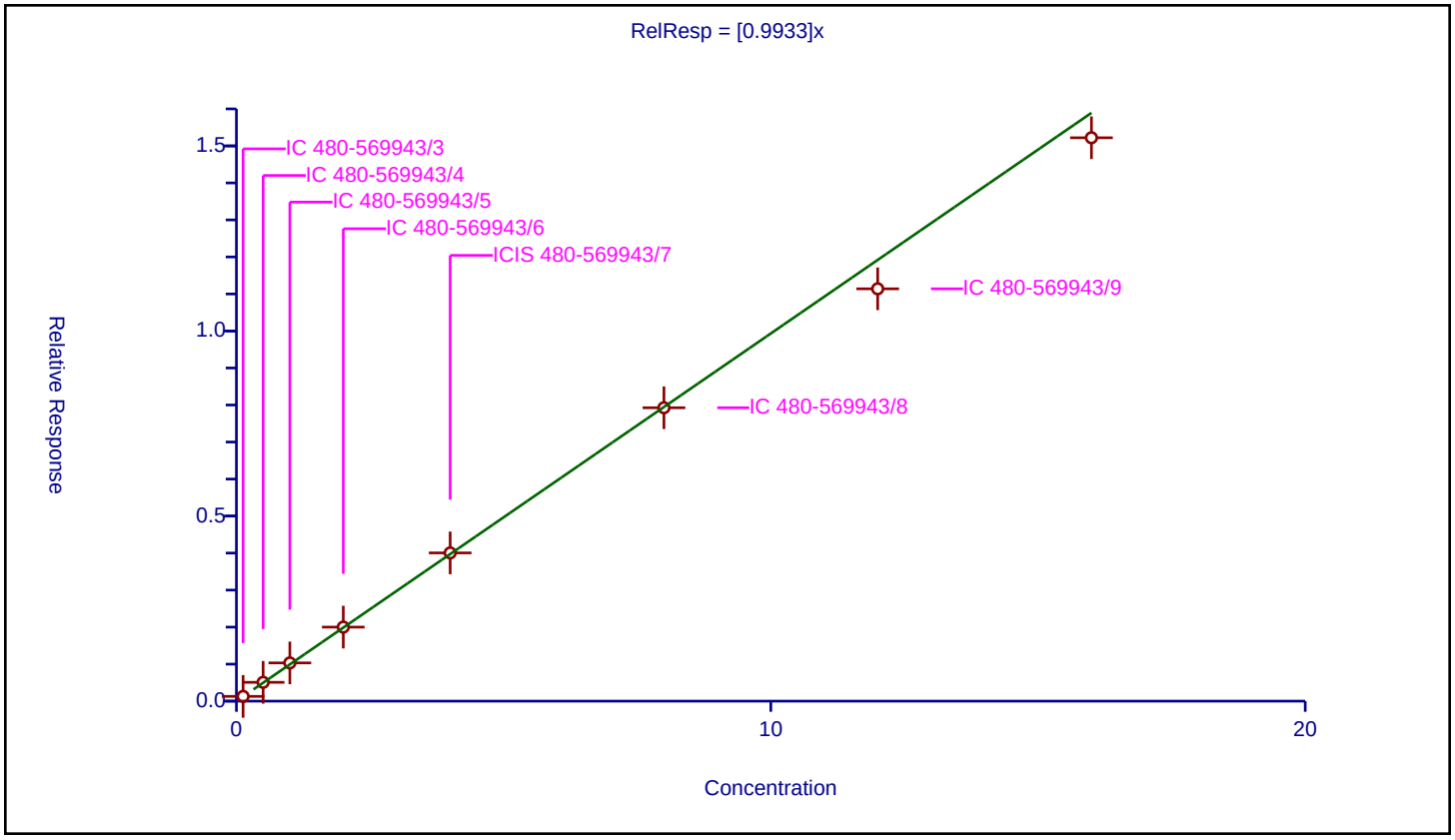
Curve Coefficients

Intercept:	0
Slope:	0.9933

Error Coefficients

Standard Error:	2140000
Relative Standard Error:	3.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/3	0.125	0.128162	4.0	1011377.0	1.025295	Y
2	IC 480-569943/4	0.5	0.508177	4.0	1108701.0	1.016353	Y
3	IC 480-569943/5	1.0	1.032859	4.0	1068959.0	1.032859	Y
4	IC 480-569943/6	2.0	2.000286	4.0	1090526.0	1.000143	Y
5	ICIS 480-569943/7	4.0	4.00433	4.0	1088103.0	1.001083	Y
6	IC 480-569943/8	8.0	7.925999	4.0	1115385.0	0.99075	Y
7	IC 480-569943/9	12.0	11.139629	4.0	1100651.0	0.928302	Y
8	IC 480-569943/10	16.0	15.220073	4.0	1062212.0	0.951255	Y



Calibration / 4-Chloroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

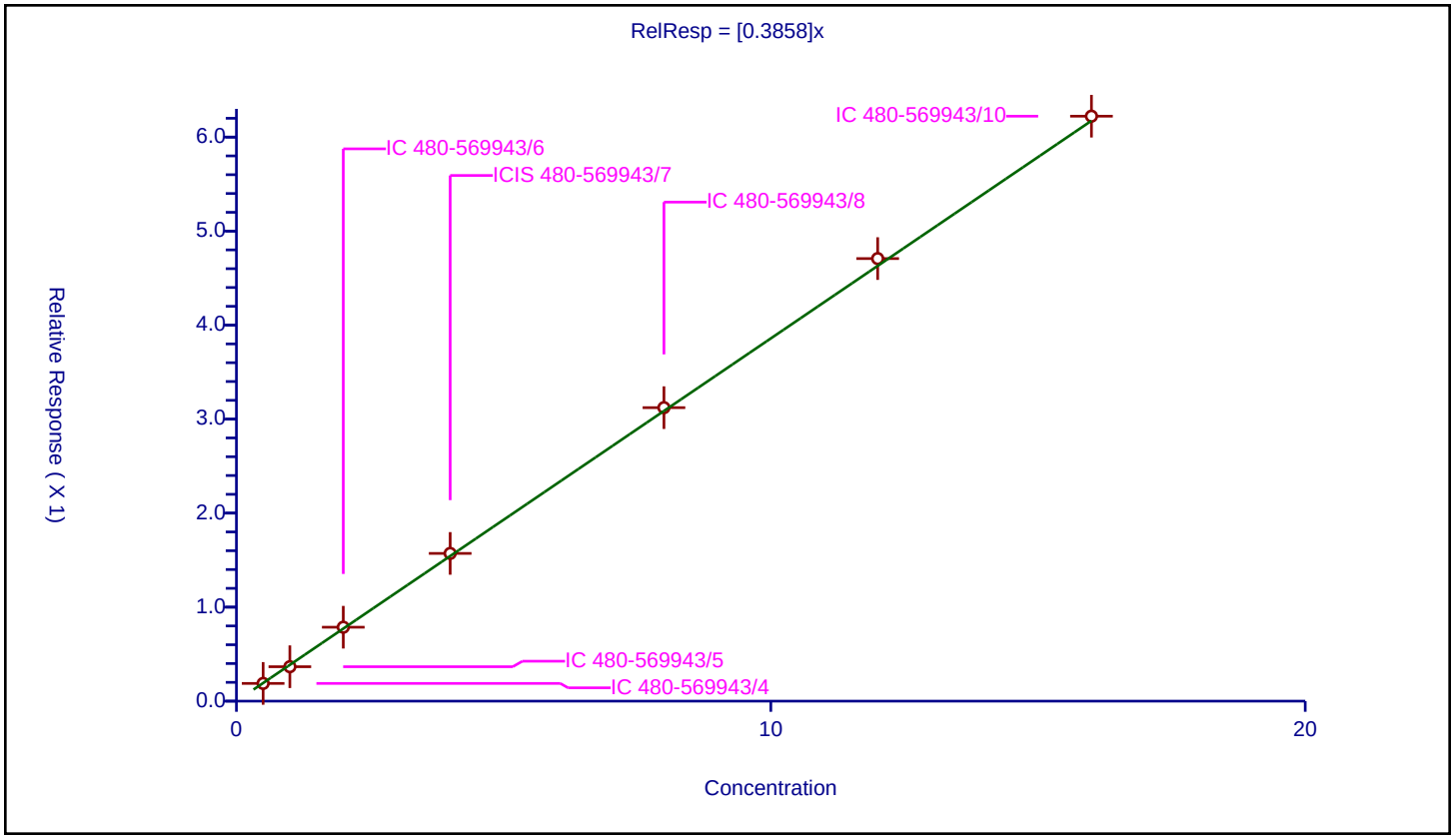
Curve Coefficients

Intercept:	0
Slope:	0.3858

Error Coefficients

Standard Error:	949000
Relative Standard Error:	2.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.188541	4.0	1108701.0	0.377083	Y
2	IC 480-569943/5	1.0	0.36627	4.0	1068959.0	0.36627	Y
3	IC 480-569943/6	2.0	0.786472	4.0	1090526.0	0.393236	Y
4	ICIS 480-569943/7	4.0	1.57145	4.0	1088103.0	0.392863	Y
5	IC 480-569943/8	8.0	3.12209	4.0	1115385.0	0.390261	Y
6	IC 480-569943/9	12.0	4.707876	4.0	1100651.0	0.392323	Y
7	IC 480-569943/10	16.0	6.222276	4.0	1062212.0	0.388892	Y



Calibration / 2,6-Dichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

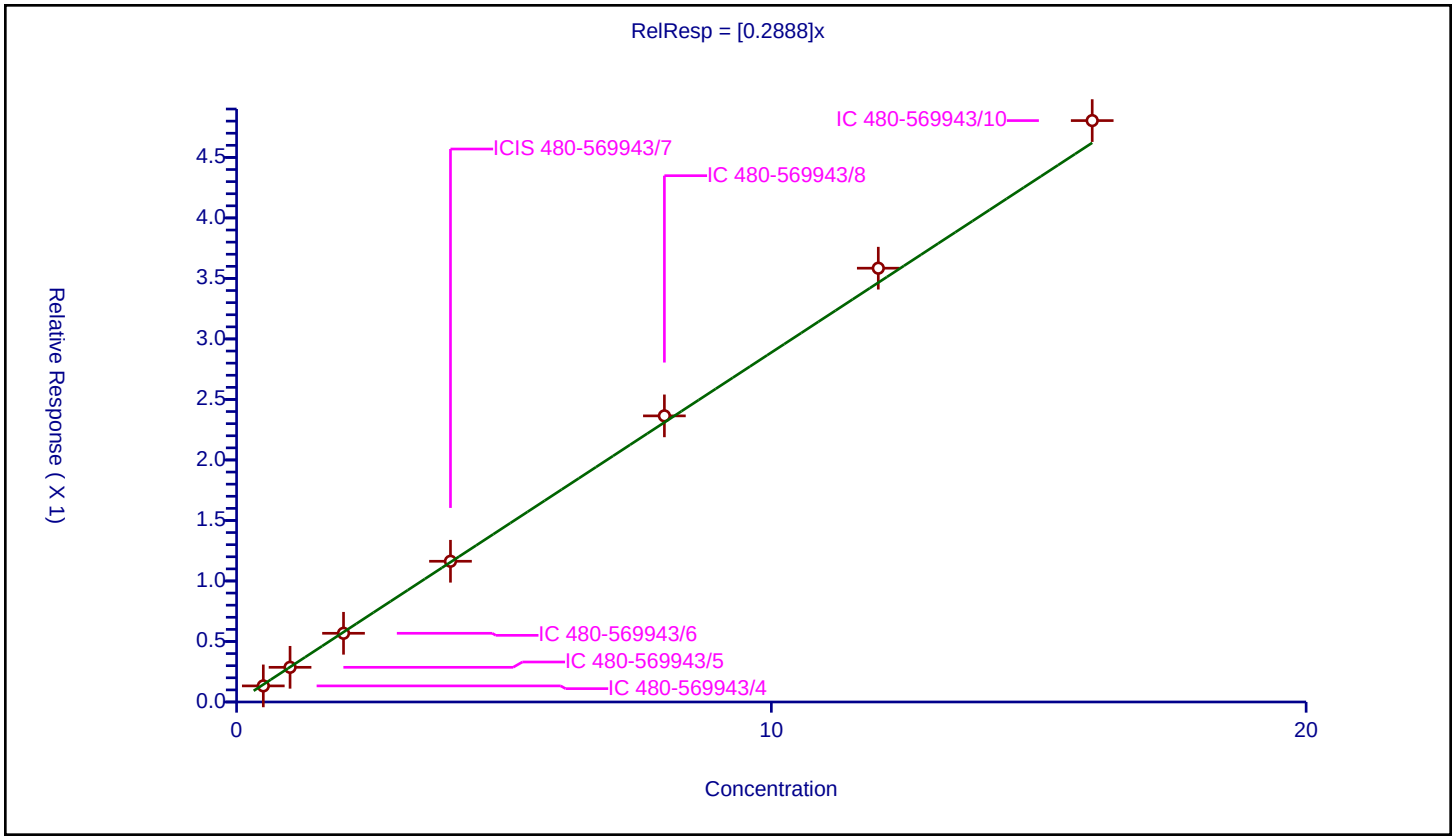
Curve Coefficients

Intercept:	0
Slope:	0.2888

Error Coefficients

Standard Error:	726000
Relative Standard Error:	4.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.132901	4.0	1108701.0	0.265803	Y
2	IC 480-569943/5	1.0	0.286671	4.0	1068959.0	0.286671	Y
3	IC 480-569943/6	2.0	0.567759	4.0	1090526.0	0.28388	Y
4	ICIS 480-569943/7	4.0	1.162919	4.0	1088103.0	0.29073	Y
5	IC 480-569943/8	8.0	2.364382	4.0	1115385.0	0.295548	Y
6	IC 480-569943/9	12.0	3.584624	4.0	1100651.0	0.298719	Y
7	IC 480-569943/10	16.0	4.804276	4.0	1062212.0	0.300267	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

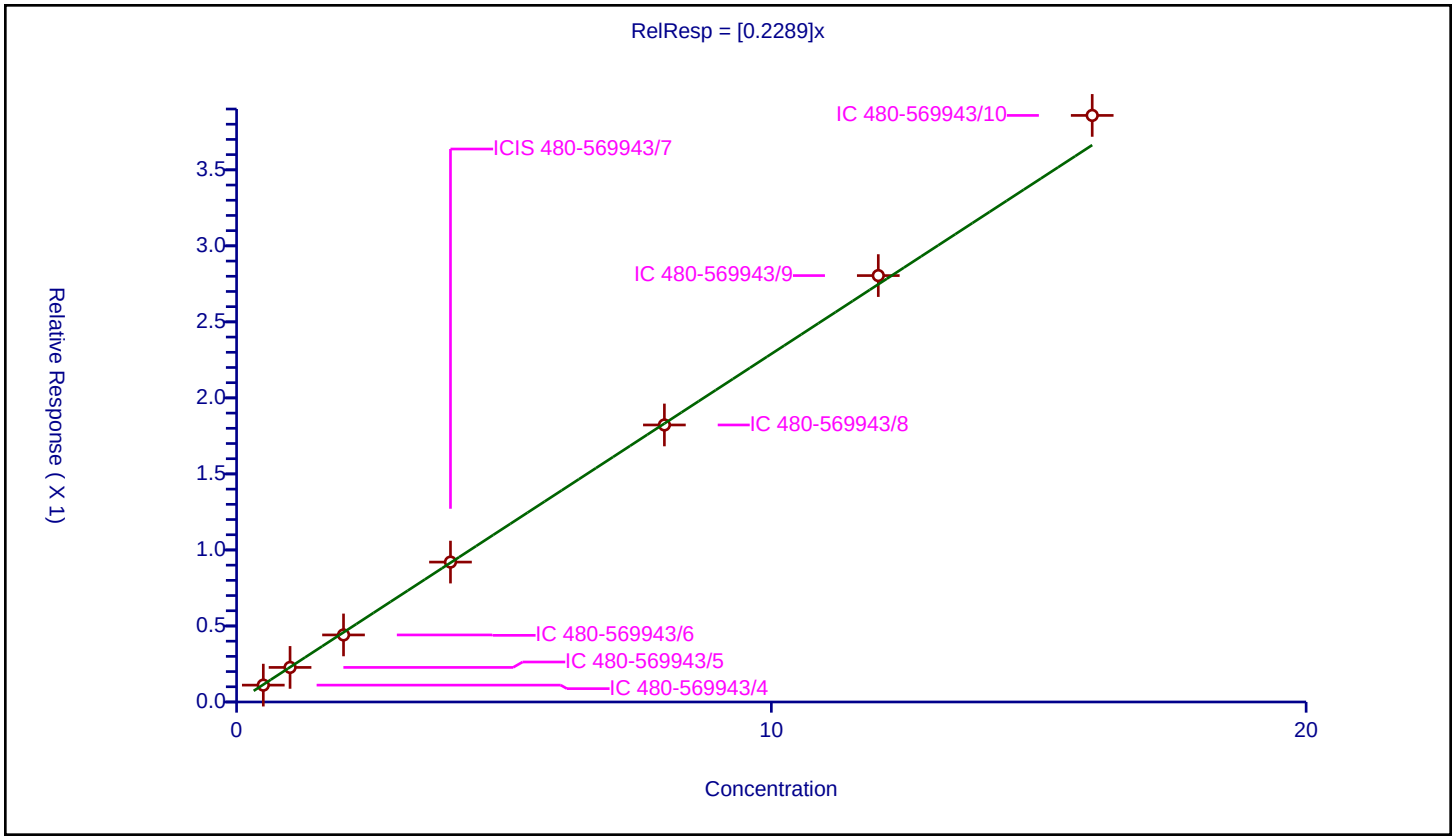
Curve Coefficients

Intercept:	0
Slope:	0.2289

Error Coefficients

Standard Error:	575000
Relative Standard Error:	3.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.110941	4.0	1108701.0	0.221881	Y
2	IC 480-569943/5	1.0	0.227406	4.0	1068959.0	0.227406	Y
3	IC 480-569943/6	2.0	0.441083	4.0	1090526.0	0.220541	Y
4	ICIS 480-569943/7	4.0	0.920247	4.0	1088103.0	0.230062	Y
5	IC 480-569943/8	8.0	1.822026	4.0	1115385.0	0.227753	Y
6	IC 480-569943/9	12.0	2.804504	4.0	1100651.0	0.233709	Y
7	IC 480-569943/10	16.0	3.857889	4.0	1062212.0	0.241118	Y



Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

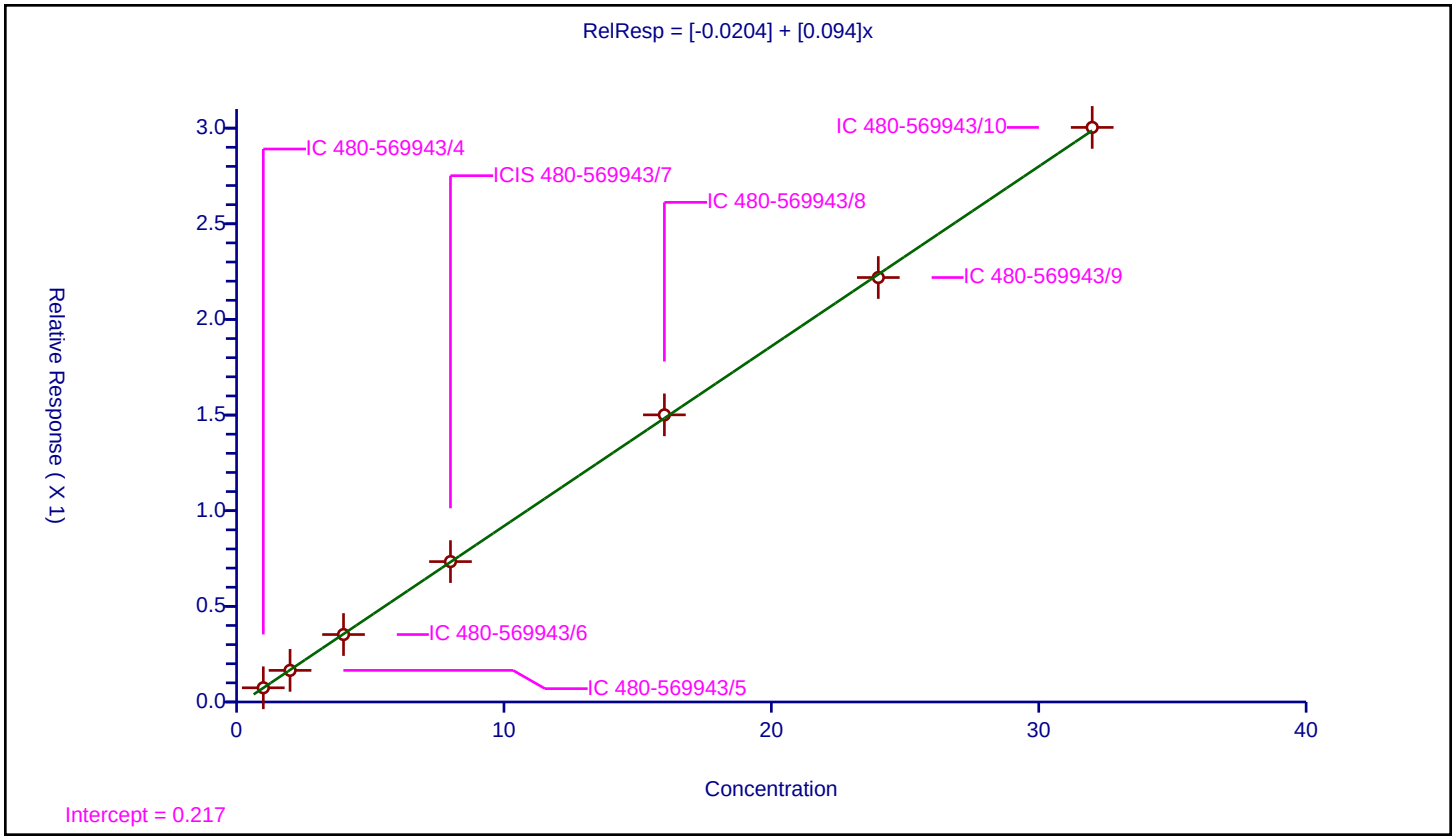
Curve Coefficients

Intercept:	-0.0204
Slope:	0.094

Error Coefficients

Standard Error:	497000
Relative Standard Error:	1.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	1.0	0.074263	4.0	1108701.0	0.074263	Y
2	IC 480-569943/5	2.0	0.165312	4.0	1068959.0	0.082656	Y
3	IC 480-569943/6	4.0	0.352681	4.0	1090526.0	0.08817	Y
4	ICIS 480-569943/7	8.0	0.733949	4.0	1088103.0	0.091744	Y
5	IC 480-569943/8	16.0	1.501031	4.0	1115385.0	0.093814	Y
6	IC 480-569943/9	24.0	2.219109	4.0	1100651.0	0.092463	Y
7	IC 480-569943/10	32.0	3.003822	4.0	1062212.0	0.093869	Y



Calibration / 4-Chloro-3-methylphenol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

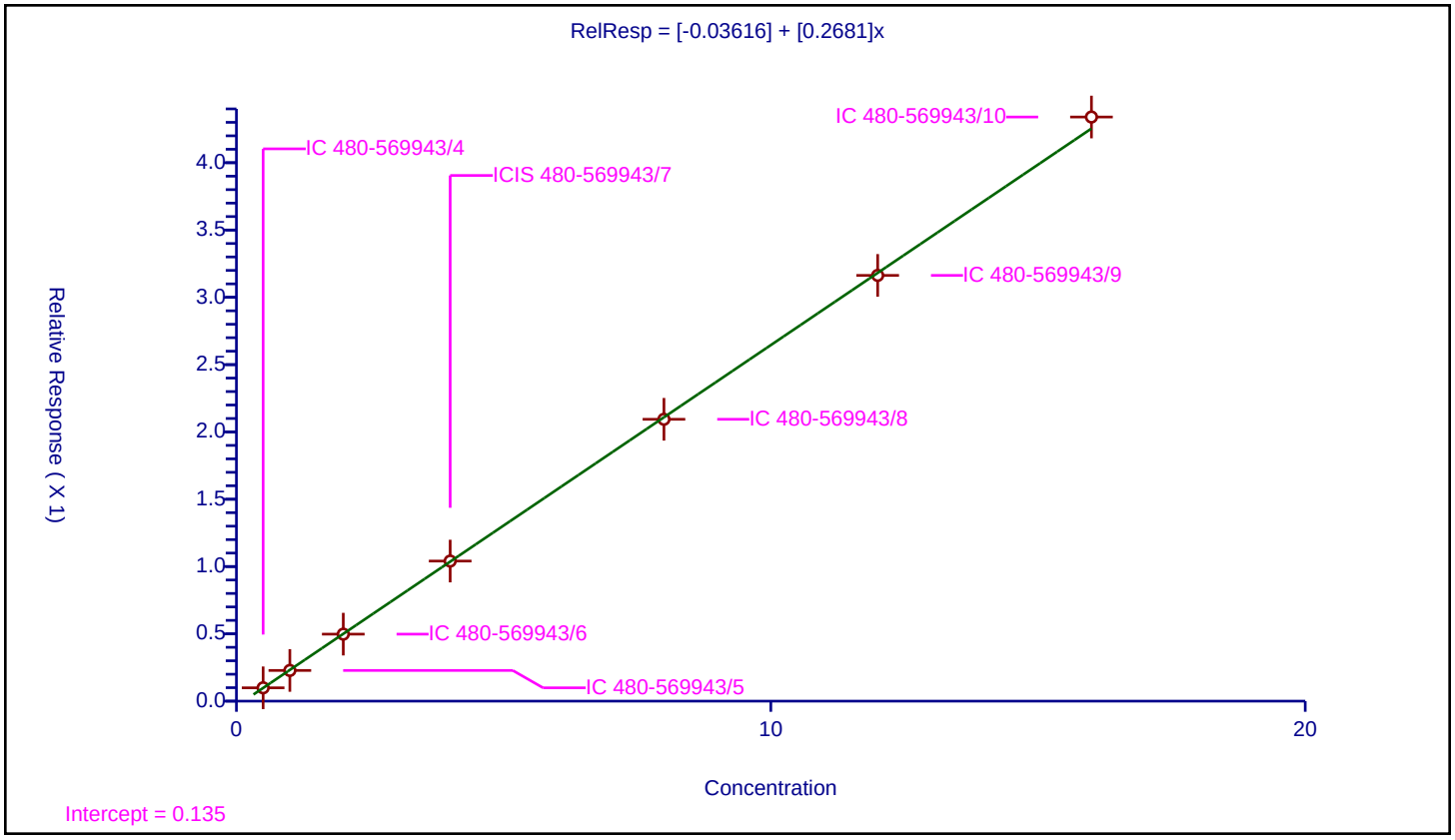
Curve Coefficients

Intercept:	-0.03616
Slope:	0.2681

Error Coefficients

Standard Error:	711000
Relative Standard Error:	1.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.098995	4.0	1108701.0	0.19799	Y
2	IC 480-569943/5	1.0	0.227983	4.0	1068959.0	0.227983	Y
3	IC 480-569943/6	2.0	0.497749	4.0	1090526.0	0.248874	Y
4	ICIS 480-569943/7	4.0	1.040629	4.0	1088103.0	0.260157	Y
5	IC 480-569943/8	8.0	2.09396	4.0	1115385.0	0.261745	Y
6	IC 480-569943/9	12.0	3.16283	4.0	1100651.0	0.263569	Y
7	IC 480-569943/10	16.0	4.339721	4.0	1062212.0	0.271233	Y



Calibration / 2-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

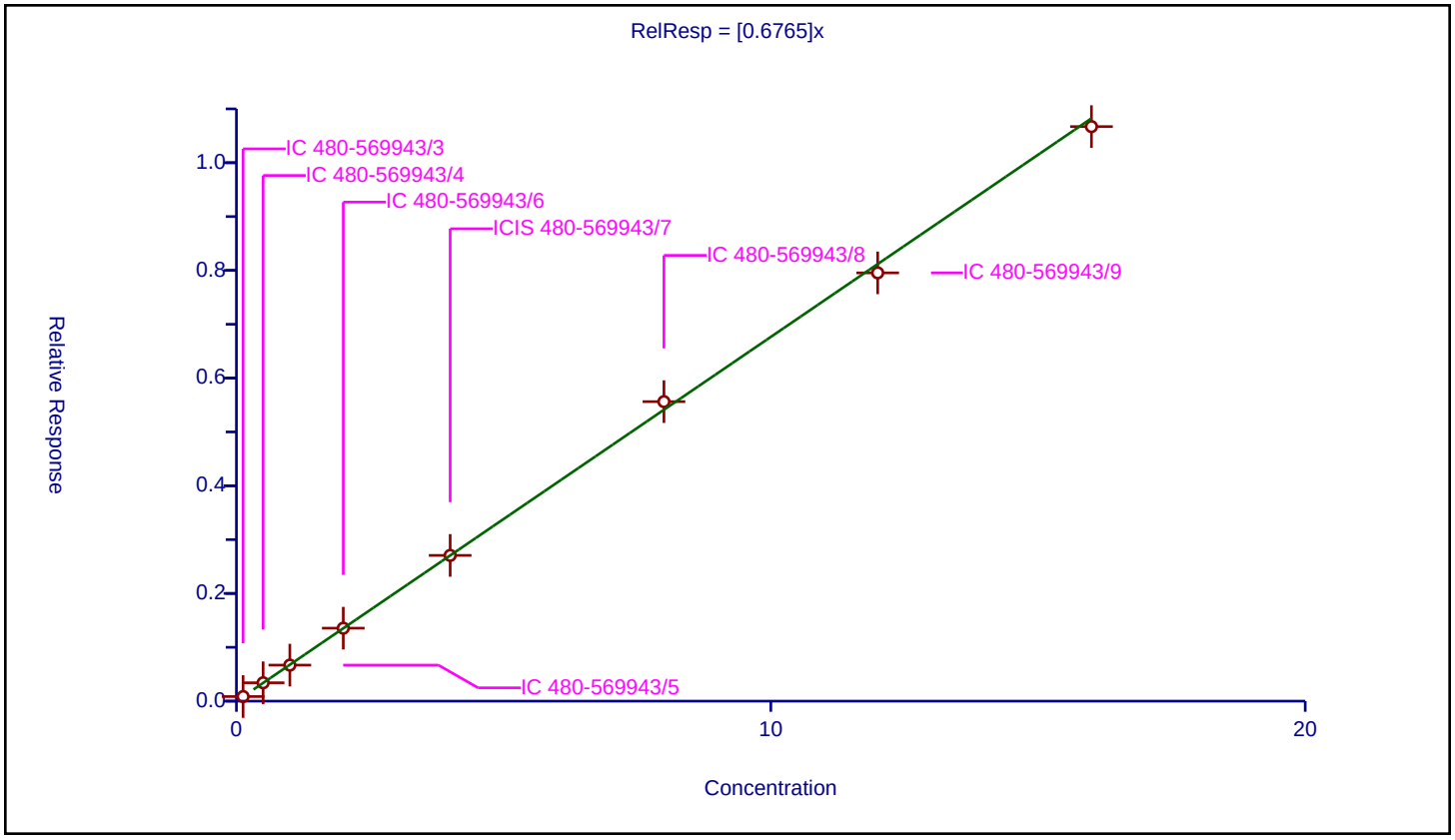
Curve Coefficients

Intercept:	0
Slope:	0.6765

Error Coefficients

Standard Error:	1510000
Relative Standard Error:	1.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/3	0.125	0.085124	4.0	1011377.0	0.680988	Y
2	IC 480-569943/4	0.5	0.341138	4.0	1108701.0	0.682276	Y
3	IC 480-569943/5	1.0	0.669073	4.0	1068959.0	0.669073	Y
4	IC 480-569943/6	2.0	1.355346	4.0	1090526.0	0.677673	Y
5	ICIS 480-569943/7	4.0	2.7066	4.0	1088103.0	0.67665	Y
6	IC 480-569943/8	8.0	5.562818	4.0	1115385.0	0.695352	Y
7	IC 480-569943/9	12.0	7.954591	4.0	1100651.0	0.662883	Y
8	IC 480-569943/10	16.0	10.670932	4.0	1062212.0	0.666933	Y



Calibration / 1-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

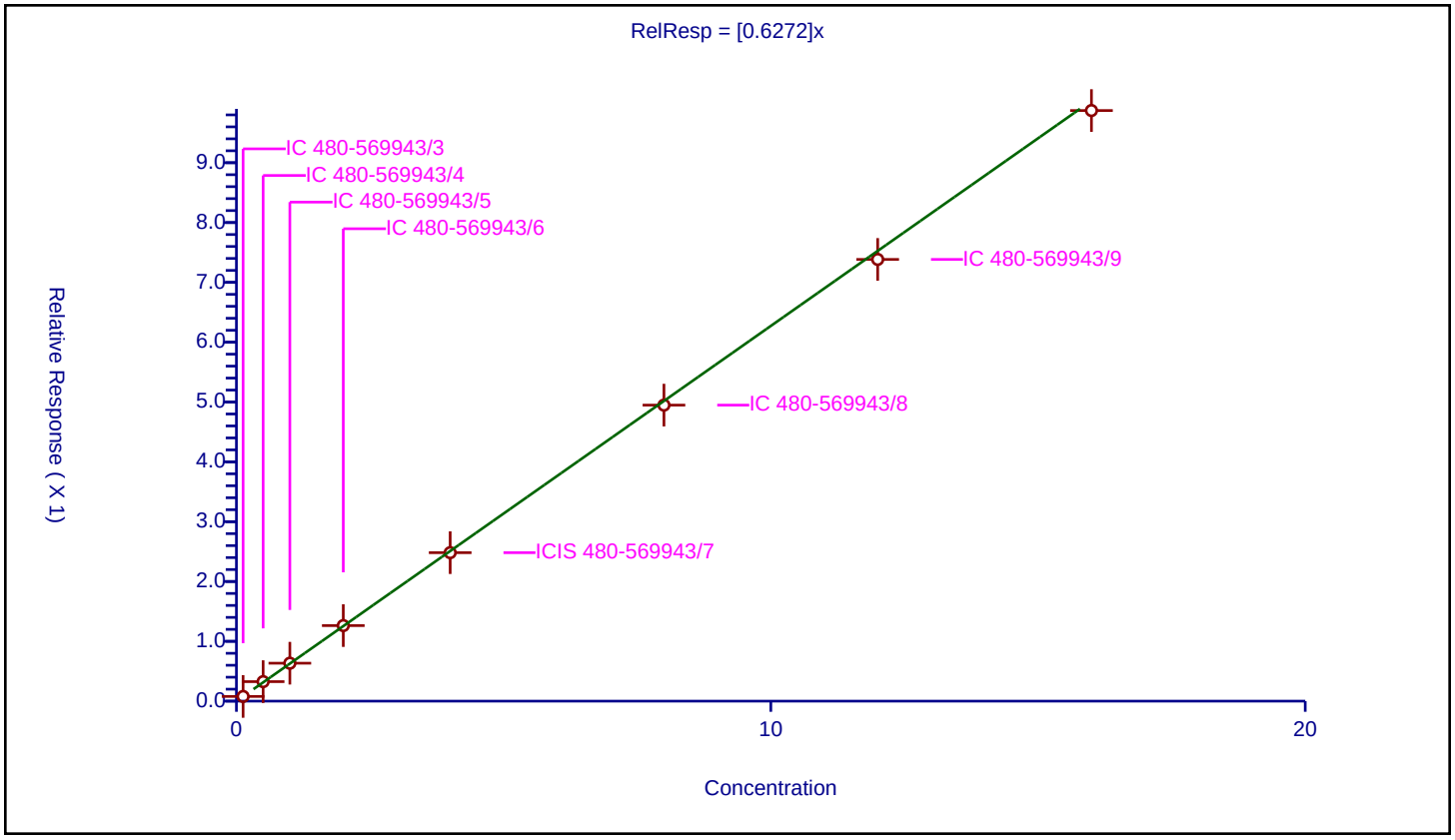
Curve Coefficients

Intercept:	0
Slope:	0.6272

Error Coefficients

Standard Error:	1390000
Relative Standard Error:	2.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/3	0.125	0.078554	4.0	1011377.0	0.628434	Y
2	IC 480-569943/4	0.5	0.326046	4.0	1108701.0	0.652093	Y
3	IC 480-569943/5	1.0	0.634067	4.0	1068959.0	0.634067	Y
4	IC 480-569943/6	2.0	1.262983	4.0	1090526.0	0.631492	Y
5	ICIS 480-569943/7	4.0	2.481846	4.0	1088103.0	0.620461	Y
6	IC 480-569943/8	8.0	4.94825	4.0	1115385.0	0.618531	Y
7	IC 480-569943/9	12.0	7.383808	4.0	1100651.0	0.615317	Y
8	IC 480-569943/10	16.0	9.872609	4.0	1062212.0	0.617038	Y



Calibration / Hexachlorocyclopentadiene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

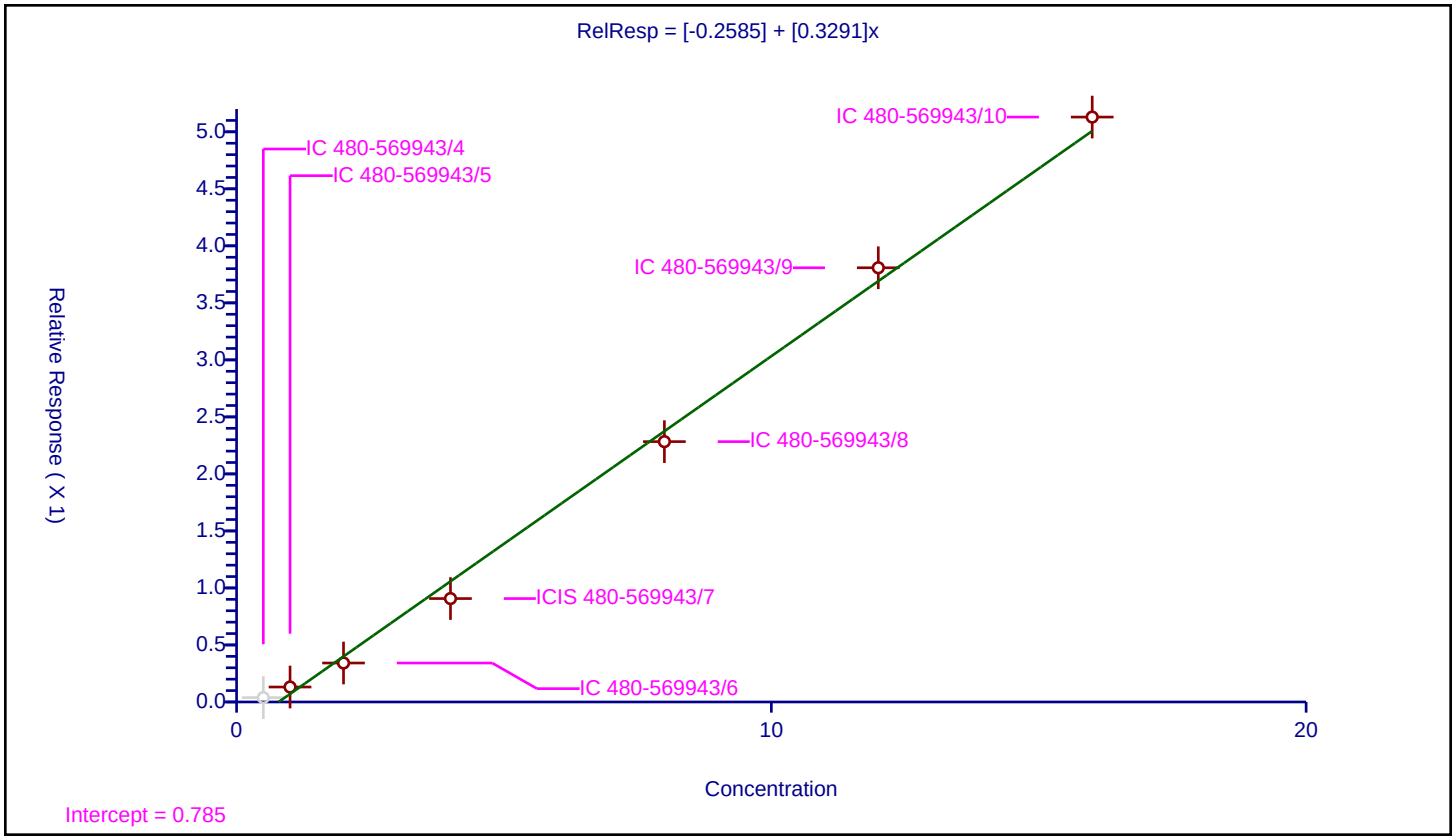
Curve Coefficients

Intercept:	-0.2585
Slope:	0.3291

Error Coefficients

Standard Error:	540000
Relative Standard Error:	12.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.038542	4.0	641995.0	0.077085	N
2	IC 480-569943/5	1.0	0.131302	4.0	604623.0	0.131302	Y
3	IC 480-569943/6	2.0	0.341775	4.0	619168.0	0.170887	Y
4	ICIS 480-569943/7	4.0	0.906899	4.0	637244.0	0.226725	Y
5	IC 480-569943/8	8.0	2.283114	4.0	656514.0	0.285389	Y
6	IC 480-569943/9	12.0	3.808004	4.0	629285.0	0.317334	Y
7	IC 480-569943/10	16.0	5.12934	4.0	625523.0	0.320584	Y



Calibration / 1,2,4,5-Tetrachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

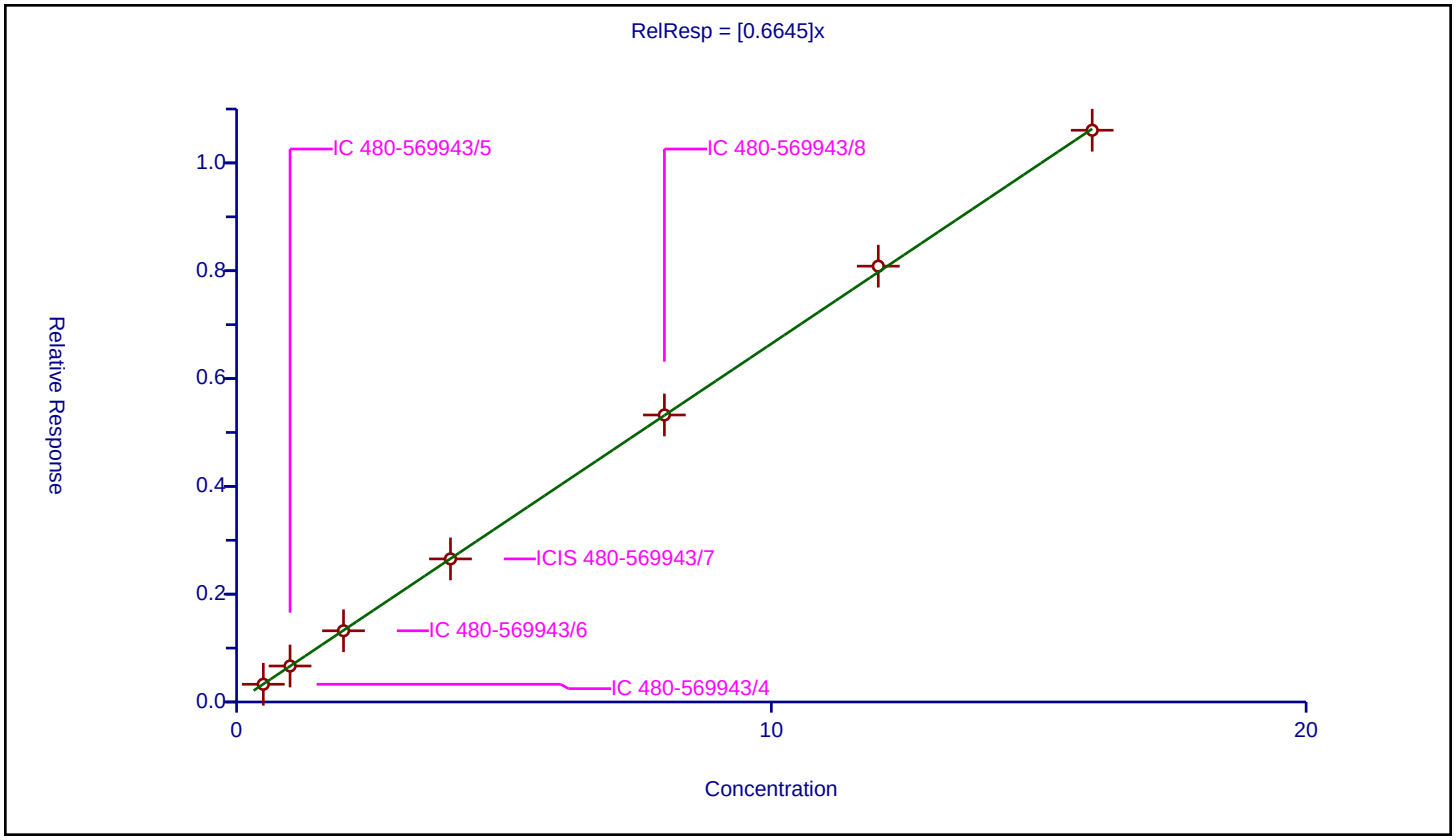
Curve Coefficients

Intercept:	0
Slope:	0.6645

Error Coefficients

Standard Error:	946000
Relative Standard Error:	0.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.328831	4.0	641995.0	0.657662	Y
2	IC 480-569943/5	1.0	0.667576	4.0	604623.0	0.667576	Y
3	IC 480-569943/6	2.0	1.321244	4.0	619168.0	0.660622	Y
4	ICIS 480-569943/7	4.0	2.654198	4.0	637244.0	0.66355	Y
5	IC 480-569943/8	8.0	5.324206	4.0	656514.0	0.665526	Y
6	IC 480-569943/9	12.0	8.084737	4.0	629285.0	0.673728	Y
7	IC 480-569943/10	16.0	10.606222	4.0	625523.0	0.662889	Y



Calibration / 2,4,6-Trichlorophenol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

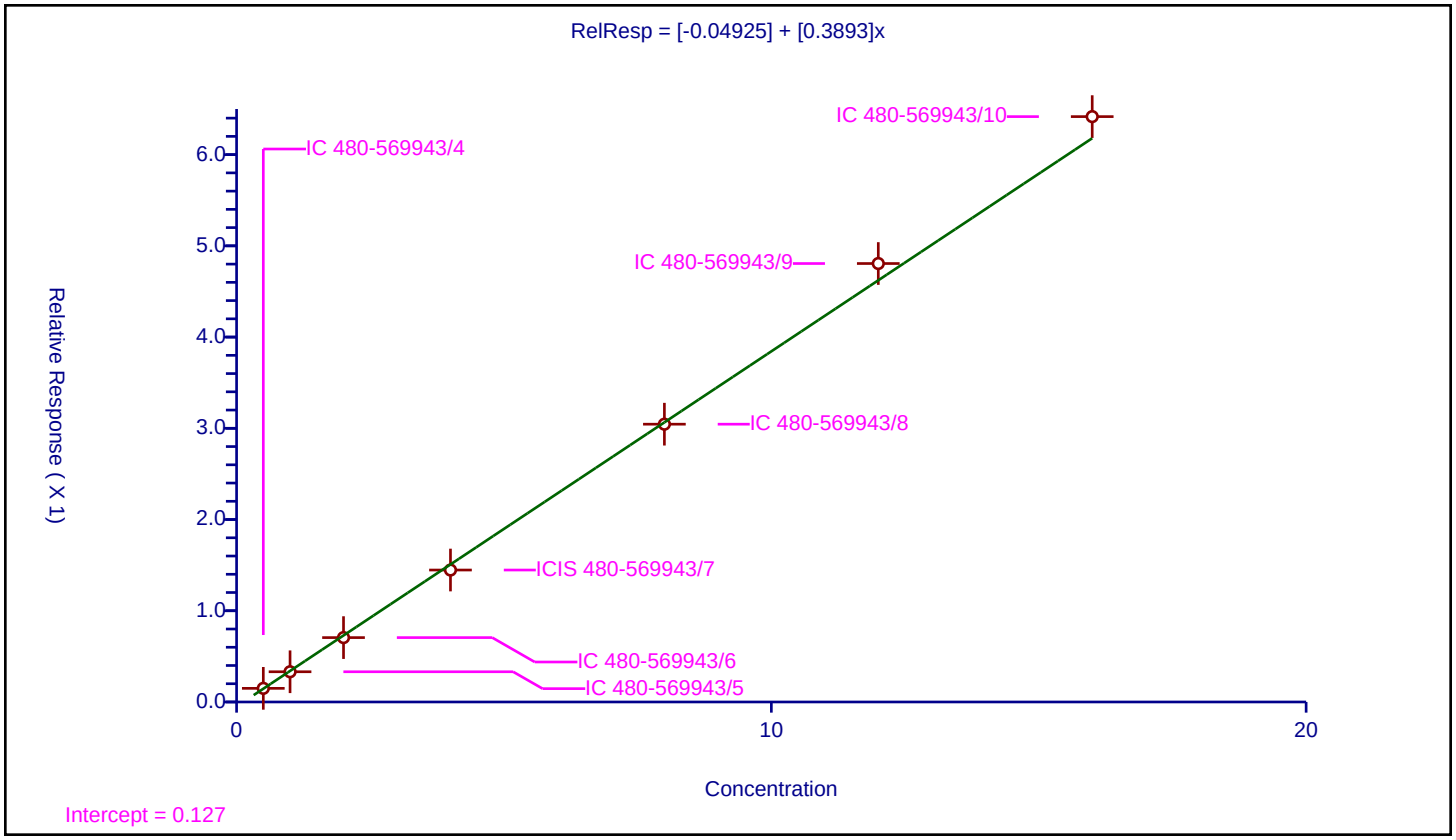
Curve Coefficients

Intercept:	-0.04925
Slope:	0.3893

Error Coefficients

Standard Error:	616000
Relative Standard Error:	3.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.149559	4.0	641995.0	0.299118	Y
2	IC 480-569943/5	1.0	0.331281	4.0	604623.0	0.331281	Y
3	IC 480-569943/6	2.0	0.705676	4.0	619168.0	0.352838	Y
4	ICIS 480-569943/7	4.0	1.446448	4.0	637244.0	0.361612	Y
5	IC 480-569943/8	8.0	3.045242	4.0	656514.0	0.380655	Y
6	IC 480-569943/9	12.0	4.806198	4.0	629285.0	0.400516	Y
7	IC 480-569943/10	16.0	6.416589	4.0	625523.0	0.401037	Y



Calibration / 2,4,5-Trichlorophenol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

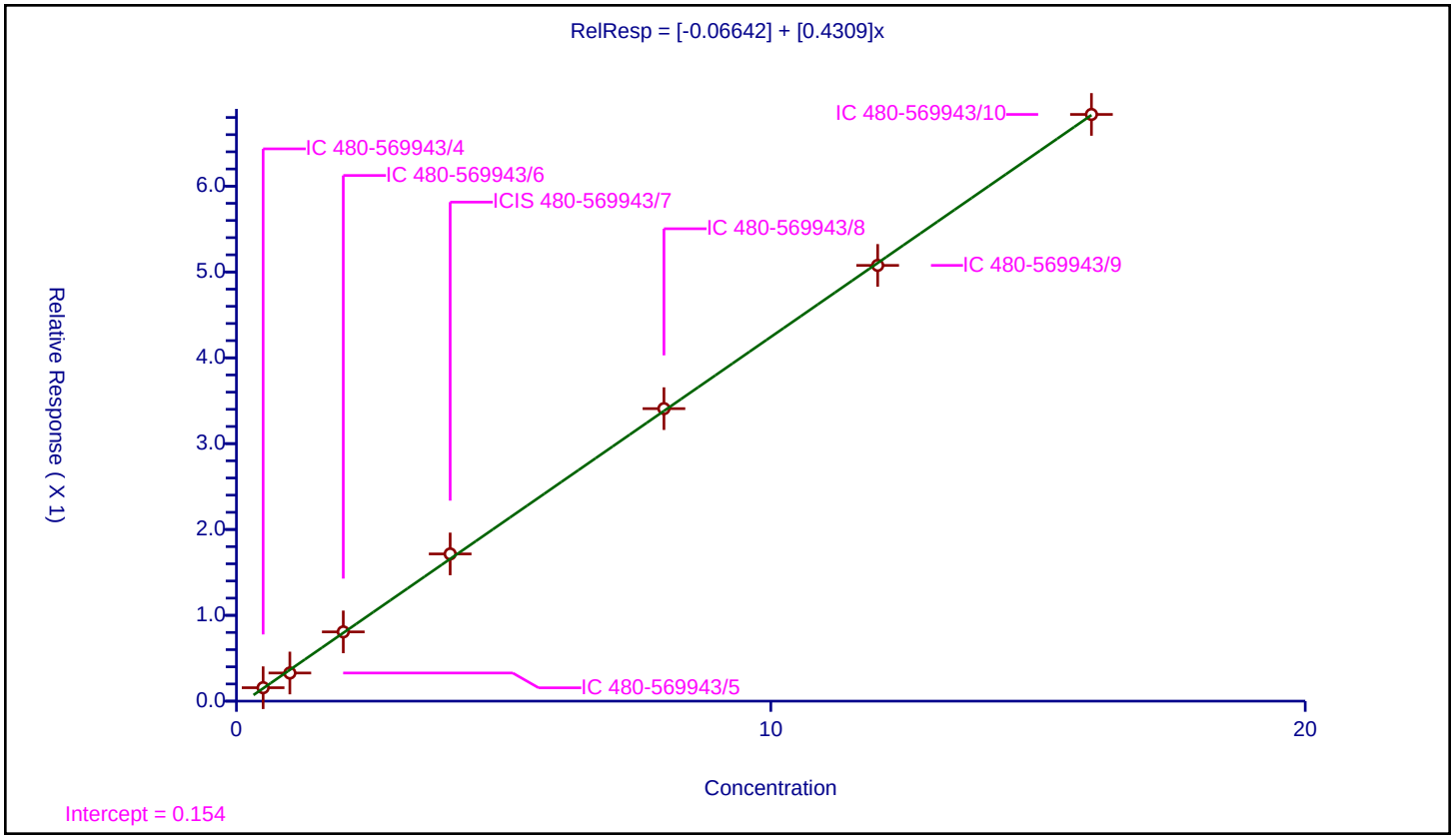
Curve Coefficients

Intercept:	-0.06642
Slope:	0.4309

Error Coefficients

Standard Error:	661000
Relative Standard Error:	4.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.156543	4.0	641995.0	0.313087	Y
2	IC 480-569943/5	1.0	0.327728	4.0	604623.0	0.327728	Y
3	IC 480-569943/6	2.0	0.807012	4.0	619168.0	0.403506	Y
4	ICIS 480-569943/7	4.0	1.715142	4.0	637244.0	0.428786	Y
5	IC 480-569943/8	8.0	3.408019	4.0	656514.0	0.426002	Y
6	IC 480-569943/9	12.0	5.076803	4.0	629285.0	0.423067	Y
7	IC 480-569943/10	16.0	6.835445	4.0	625523.0	0.427215	Y



Calibration / 2-Fluorobiphenyl

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

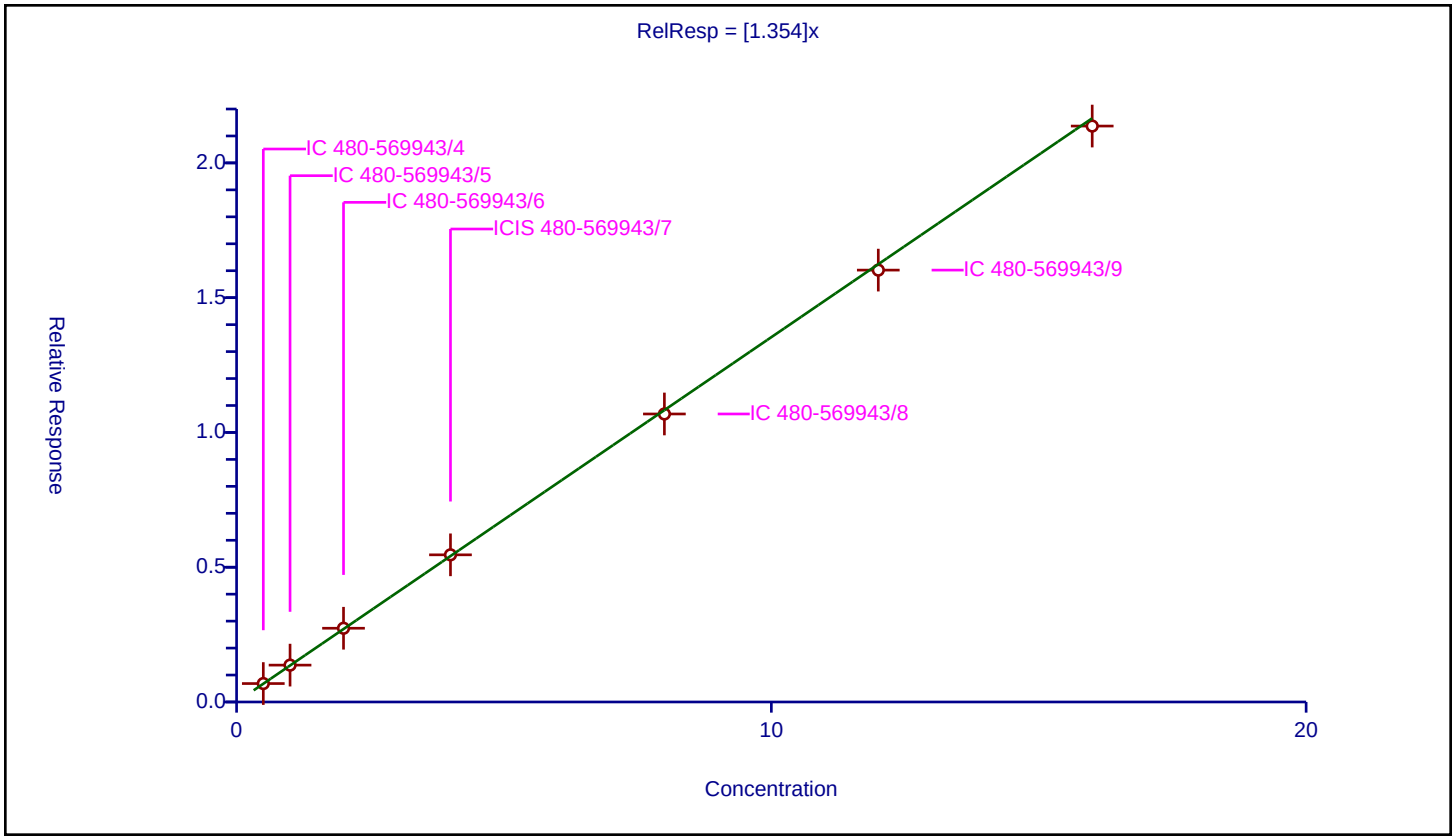
Curve Coefficients

Intercept:	0
Slope:	1.354

Error Coefficients

Standard Error:	1900000
Relative Standard Error:	1.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.683656	4.0	641995.0	1.367313	Y
2	IC 480-569943/5	1.0	1.367814	4.0	604623.0	1.367814	Y
3	IC 480-569943/6	2.0	2.735807	4.0	619168.0	1.367903	Y
4	ICIS 480-569943/7	4.0	5.459968	4.0	637244.0	1.364992	Y
5	IC 480-569943/8	8.0	10.685981	4.0	656514.0	1.335748	Y
6	IC 480-569943/9	12.0	16.023659	4.0	629285.0	1.335305	Y
7	IC 480-569943/10	16.0	21.368122	4.0	625523.0	1.335508	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

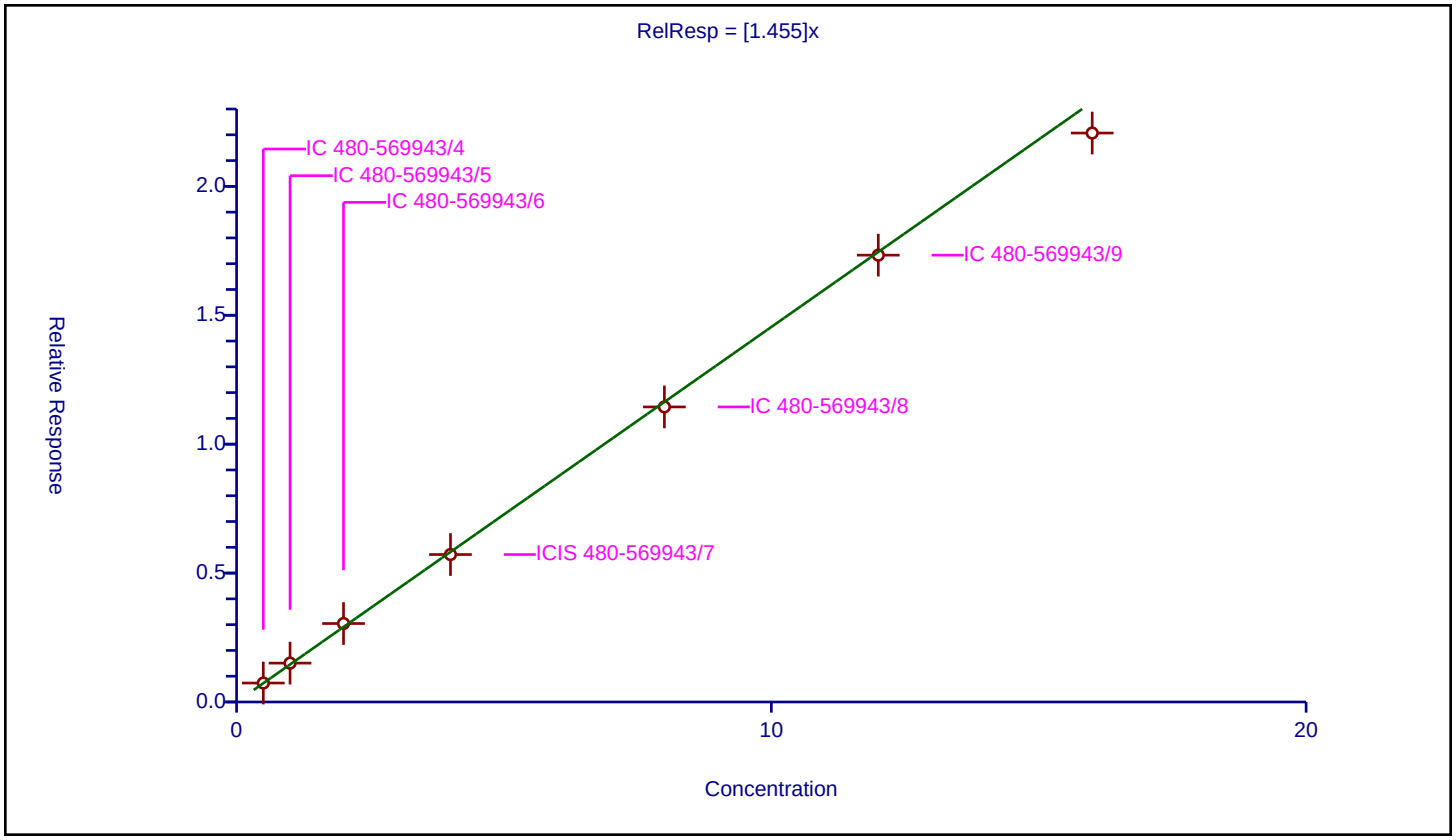
Curve Coefficients

Intercept:	0
Slope:	1.455

Error Coefficients

Standard Error:	2000000
Relative Standard Error:	3.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.734616	4.0	641995.0	1.469233	Y
2	IC 480-569943/5	1.0	1.507372	4.0	604623.0	1.507372	Y
3	IC 480-569943/6	2.0	3.043265	4.0	619168.0	1.521632	Y
4	ICIS 480-569943/7	4.0	5.718839	4.0	637244.0	1.42971	Y
5	IC 480-569943/8	8.0	11.444844	4.0	656514.0	1.430605	Y
6	IC 480-569943/9	12.0	17.331835	4.0	629285.0	1.44432	Y
7	IC 480-569943/10	16.0	22.068036	4.0	625523.0	1.379252	Y



Calibration / 2-Chloronaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

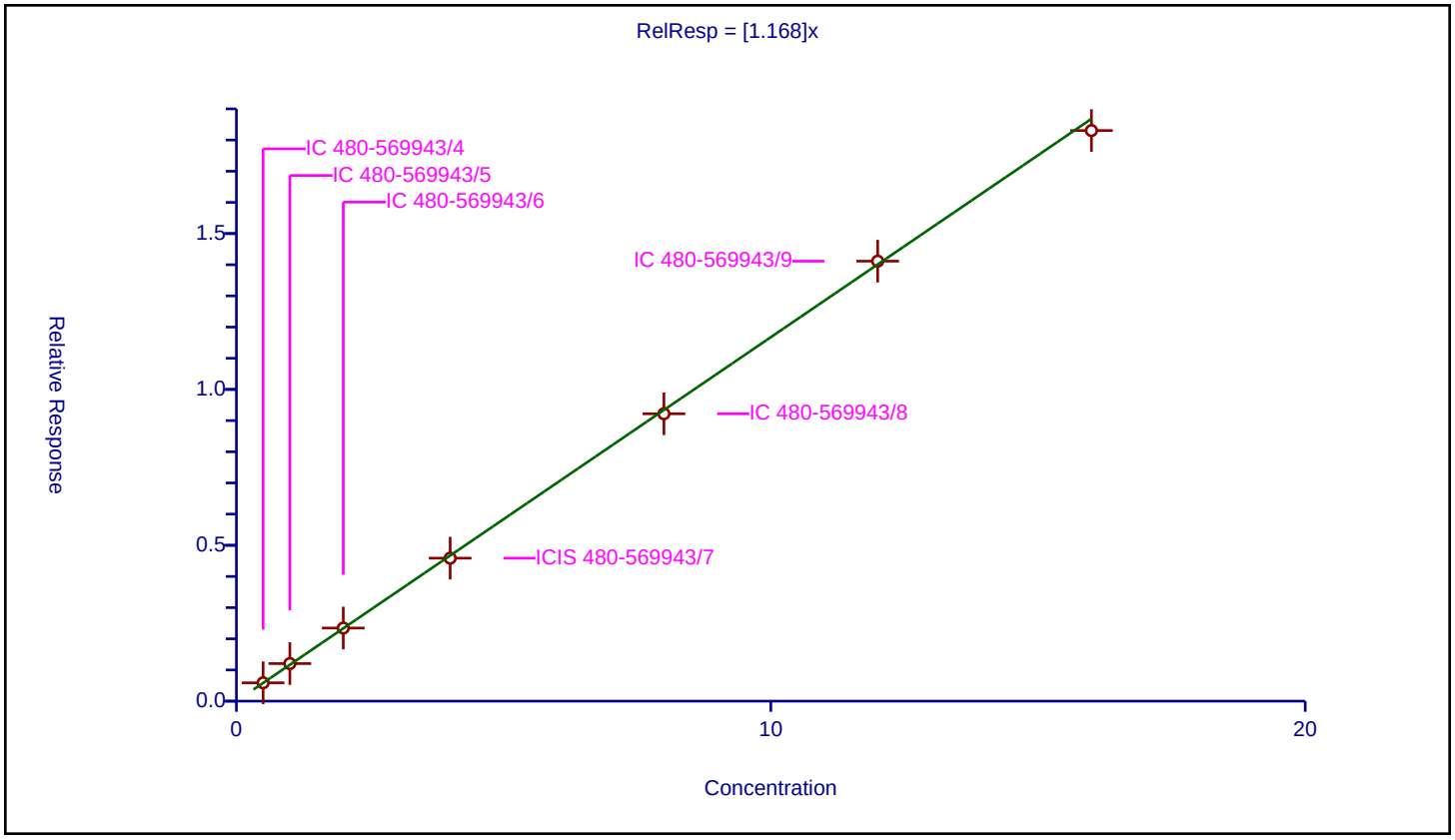
Curve Coefficients

Intercept:	0
Slope:	1.168

Error Coefficients

Standard Error:	1640000
Relative Standard Error:	1.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.587924	4.0	641995.0	1.175847	Y
2	IC 480-569943/5	1.0	1.20489	4.0	604623.0	1.20489	Y
3	IC 480-569943/6	2.0	2.345005	4.0	619168.0	1.172502	Y
4	ICIS 480-569943/7	4.0	4.587022	4.0	637244.0	1.146755	Y
5	IC 480-569943/8	8.0	9.219386	4.0	656514.0	1.152423	Y
6	IC 480-569943/9	12.0	14.115143	4.0	629285.0	1.176262	Y
7	IC 480-569943/10	16.0	18.305066	4.0	625523.0	1.144067	Y



Calibration / 2-Nitroaniline

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

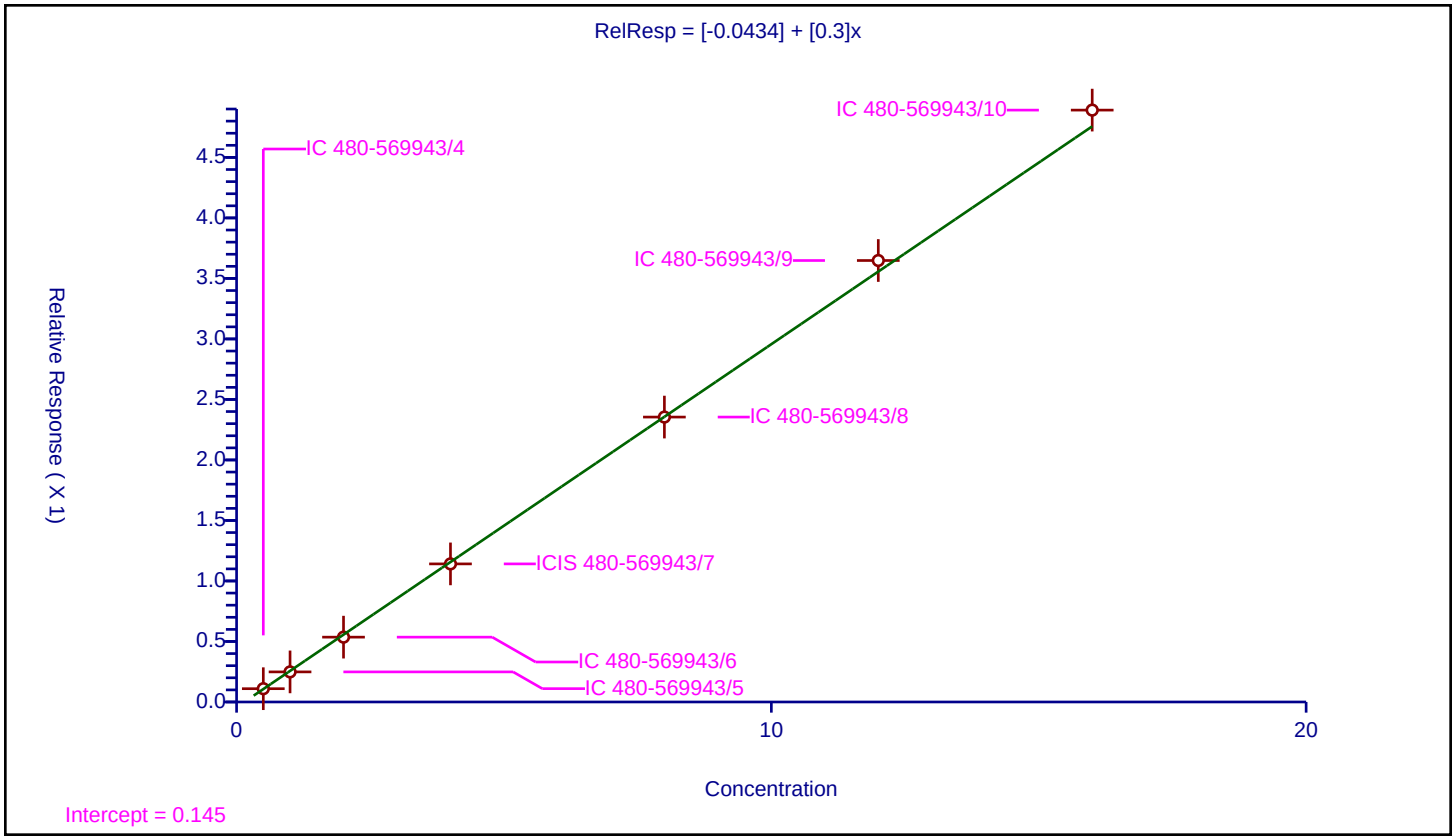
Curve Coefficients

Intercept:	-0.0434
Slope:	0.3

Error Coefficients

Standard Error:	470000
Relative Standard Error:	2.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.109845	4.0	641995.0	0.21969	Y
2	IC 480-569943/5	1.0	0.248651	4.0	604623.0	0.248651	Y
3	IC 480-569943/6	2.0	0.535803	4.0	619168.0	0.267901	Y
4	ICIS 480-569943/7	4.0	1.141026	4.0	637244.0	0.285257	Y
5	IC 480-569943/8	8.0	2.35435	4.0	656514.0	0.294294	Y
6	IC 480-569943/9	12.0	3.648153	4.0	629285.0	0.304013	Y
7	IC 480-569943/10	16.0	4.890902	4.0	625523.0	0.305681	Y



Calibration / Dimethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

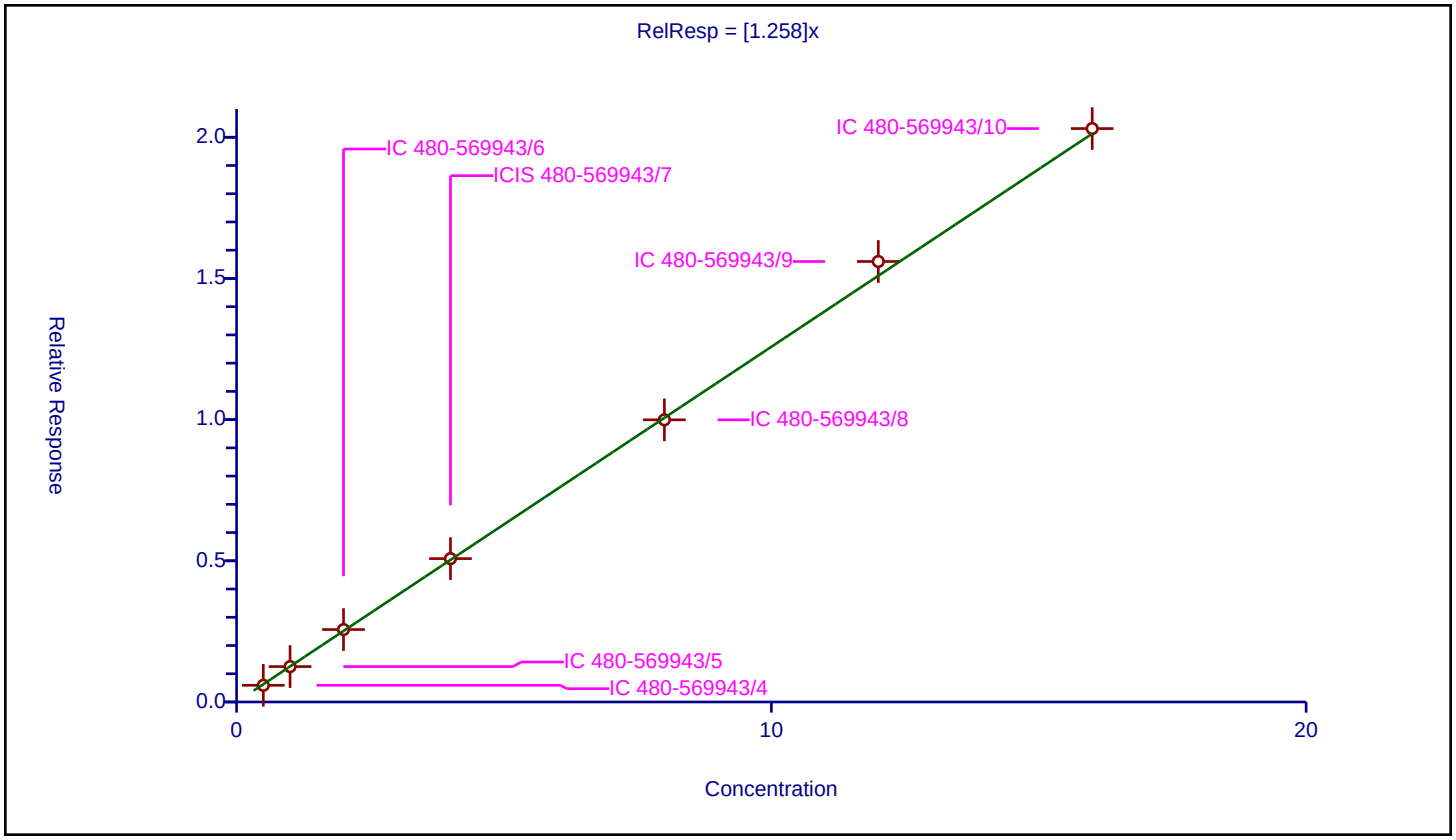
Curve Coefficients

Intercept:	0
Slope:	1.258

Error Coefficients

Standard Error:	1810000
Relative Standard Error:	3.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.59064	4.0	641995.0	1.18128	Y
2	IC 480-569943/5	1.0	1.253376	4.0	604623.0	1.253376	Y
3	IC 480-569943/6	2.0	2.565856	4.0	619168.0	1.282928	Y
4	ICIS 480-569943/7	4.0	5.077509	4.0	637244.0	1.269377	Y
5	IC 480-569943/8	8.0	9.99342	4.0	656514.0	1.249177	Y
6	IC 480-569943/9	12.0	15.599832	4.0	629285.0	1.299986	Y
7	IC 480-569943/10	16.0	20.307531	4.0	625523.0	1.269221	Y



Calibration / 1,3-Dinitrobenzene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

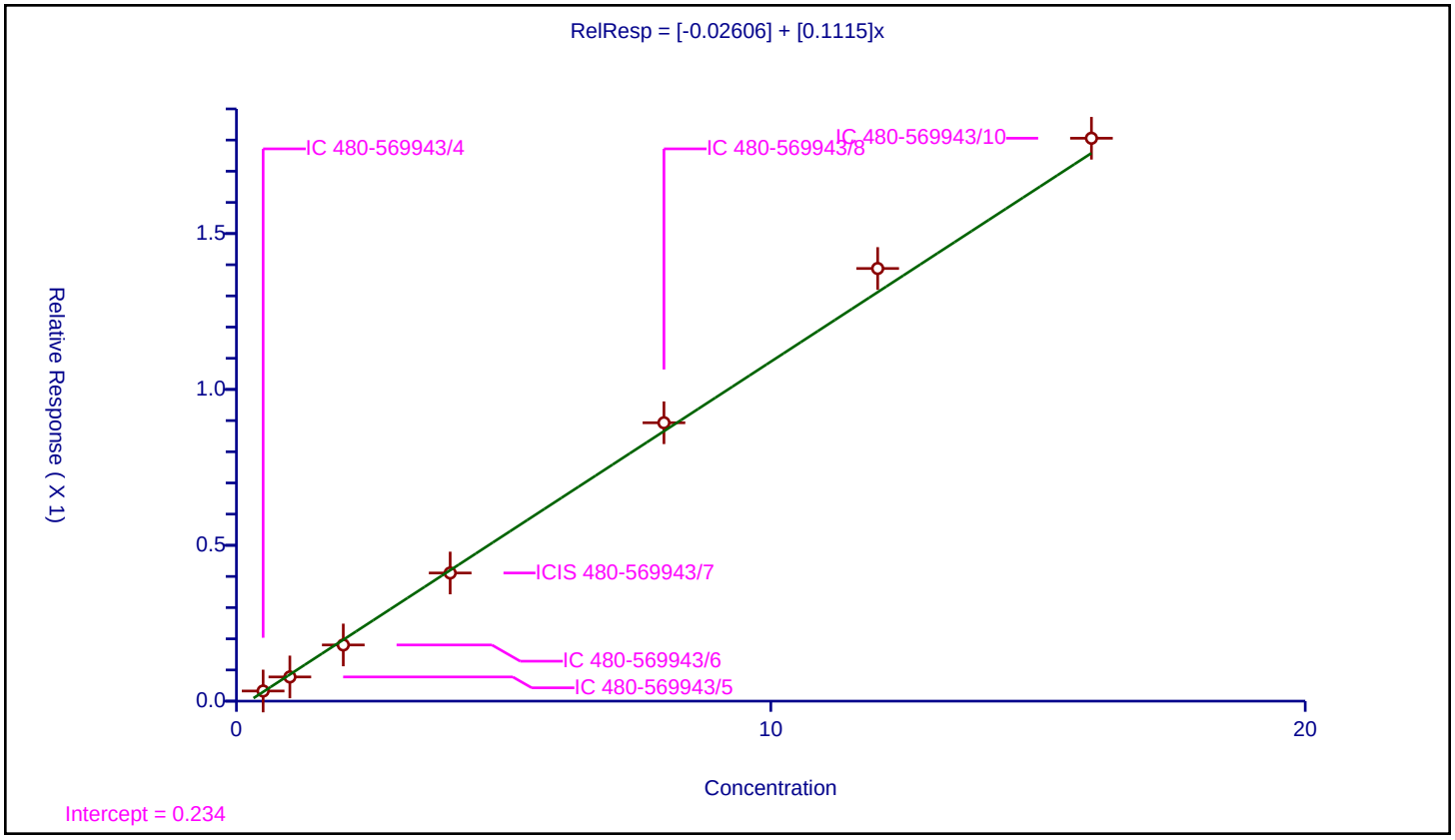
Curve Coefficients

Intercept:	-0.02606
Slope:	0.1115

Error Coefficients

Standard Error:	301000
Relative Standard Error:	6.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.032553	4.0	1108701.0	0.065107	Y
2	IC 480-569943/5	1.0	0.077608	4.0	1068959.0	0.077608	Y
3	IC 480-569943/6	2.0	0.180236	4.0	1090526.0	0.090118	Y
4	ICIS 480-569943/7	4.0	0.411101	4.0	1088103.0	0.102775	Y
5	IC 480-569943/8	8.0	0.893119	4.0	1115385.0	0.11164	Y
6	IC 480-569943/9	12.0	1.387989	4.0	1100651.0	0.115666	Y
7	IC 480-569943/10	16.0	1.805877	4.0	1062212.0	0.112867	Y



Calibration / 2,6-Dinitrotoluene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

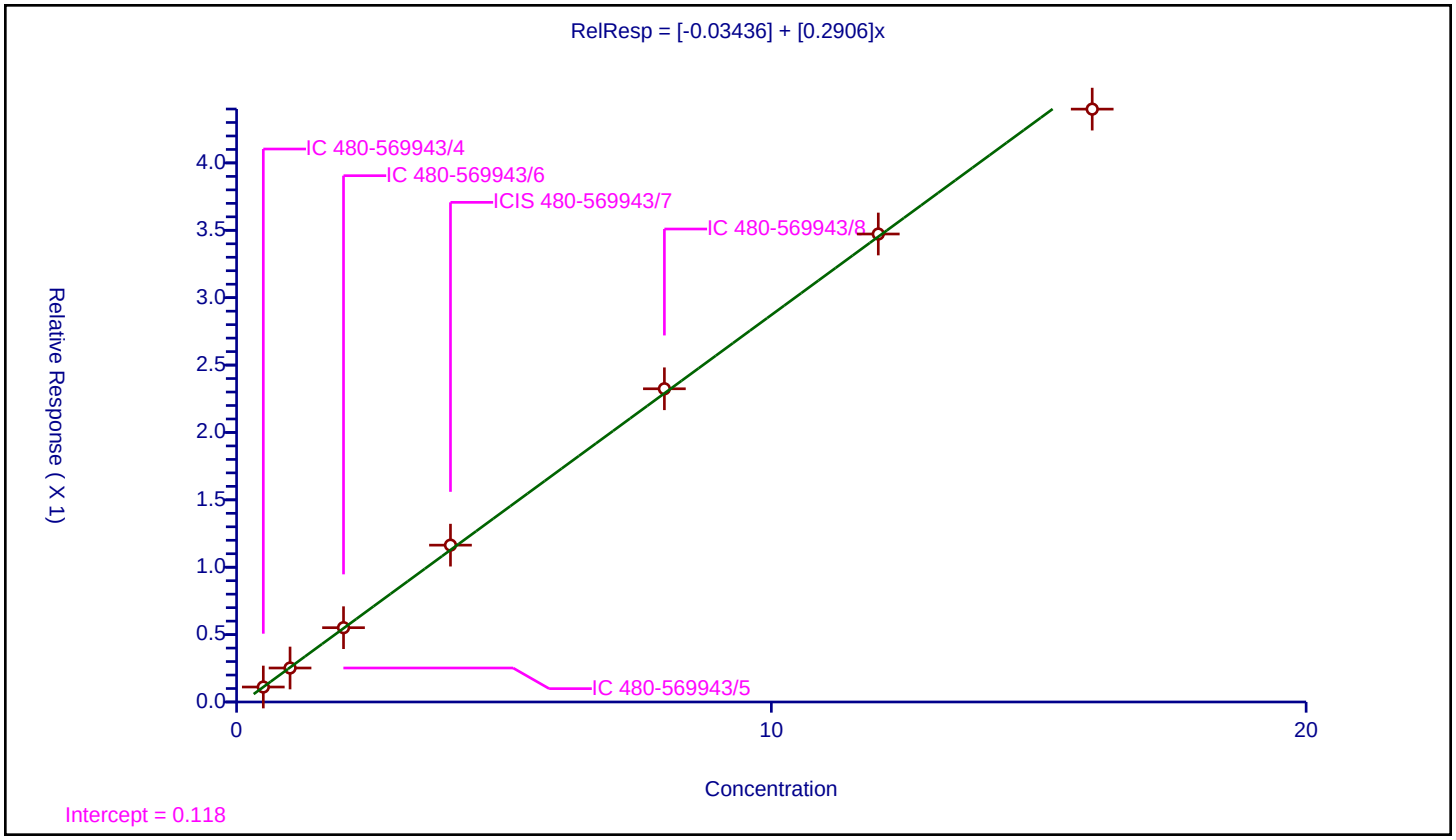
Curve Coefficients

Intercept:	-0.03436
Slope:	0.2906

Error Coefficients

Standard Error:	438000
Relative Standard Error:	2.7
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.111129	4.0	641995.0	0.222257	Y
2	IC 480-569943/5	1.0	0.25227	4.0	604623.0	0.25227	Y
3	IC 480-569943/6	2.0	0.551314	4.0	619168.0	0.275657	Y
4	ICIS 480-569943/7	4.0	1.163774	4.0	637244.0	0.290944	Y
5	IC 480-569943/8	8.0	2.324039	4.0	656514.0	0.290505	Y
6	IC 480-569943/9	12.0	3.4725	4.0	629285.0	0.289375	Y
7	IC 480-569943/10	16.0	4.399192	4.0	625523.0	0.27495	Y



Calibration / Acenaphthylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

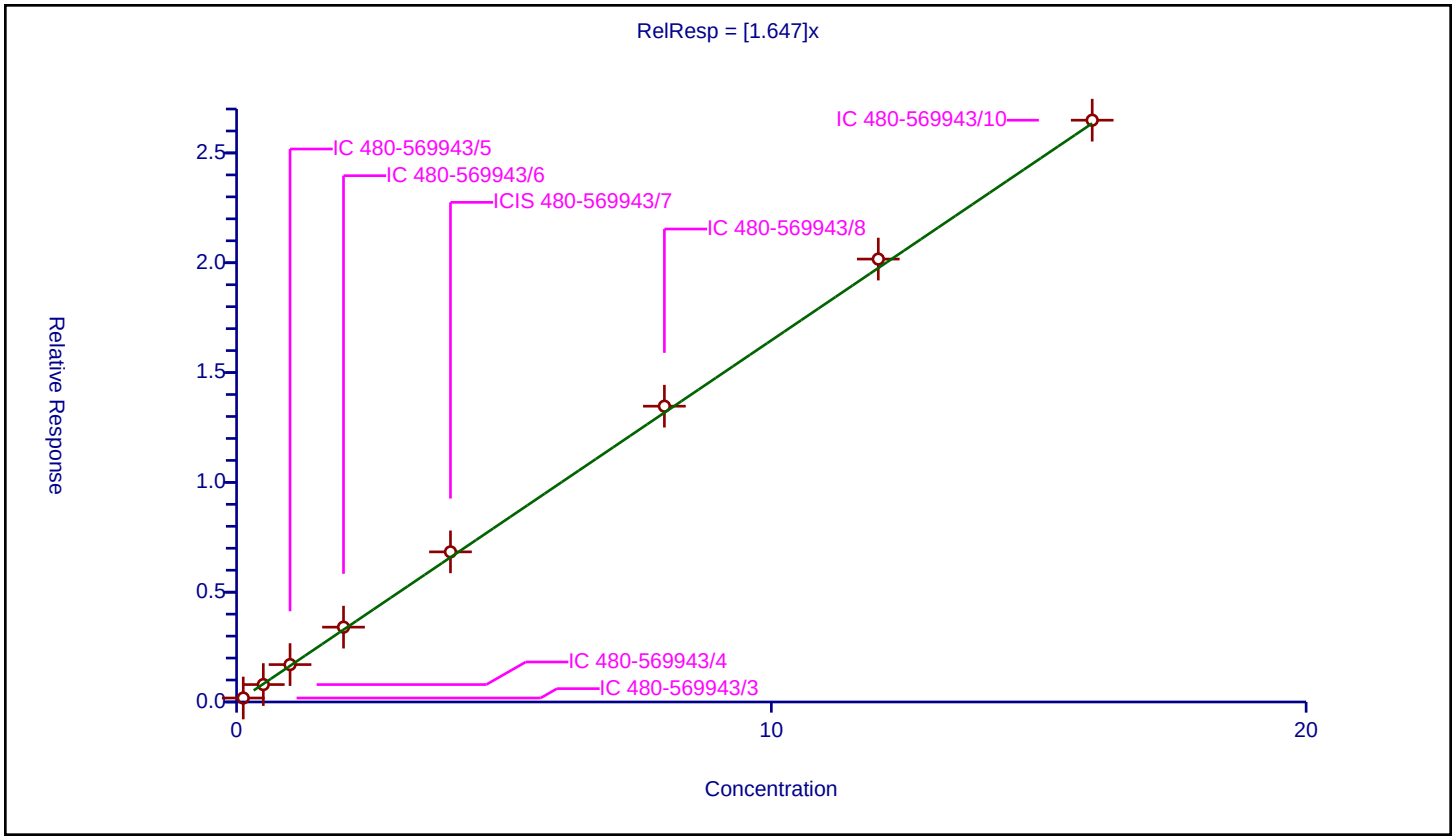
Curve Coefficients

Intercept:	0
Slope:	1.647

Error Coefficients

Standard Error:	2190000
Relative Standard Error:	5.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/3	0.125	0.181379	4.0	574356.0	1.45103	Y
2	IC 480-569943/4	0.5	0.793358	4.0	641995.0	1.586716	Y
3	IC 480-569943/5	1.0	1.702608	4.0	604623.0	1.702608	Y
4	IC 480-569943/6	2.0	3.408199	4.0	619168.0	1.7041	Y
5	ICIS 480-569943/7	4.0	6.835429	4.0	637244.0	1.708857	Y
6	IC 480-569943/8	8.0	13.46813	4.0	656514.0	1.683516	Y
7	IC 480-569943/9	12.0	20.167059	4.0	629285.0	1.680588	Y
8	IC 480-569943/10	16.0	26.490793	4.0	625523.0	1.655675	Y



Calibration / 3-Nitroaniline

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

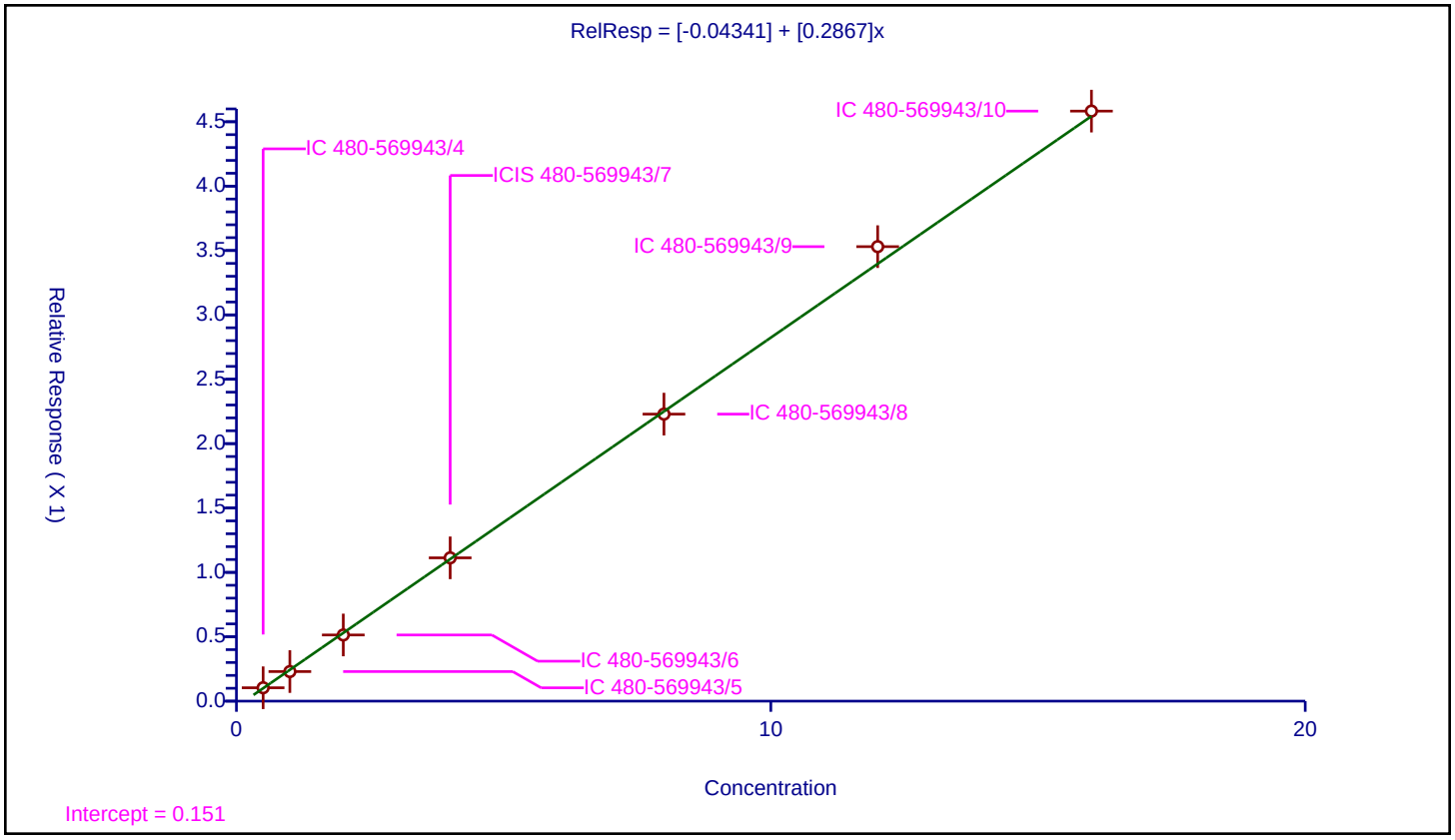
Curve Coefficients

Intercept:	-0.04341
Slope:	0.2867

Error Coefficients

Standard Error:	446000
Relative Standard Error:	3.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.103945	4.0	641995.0	0.207889	Y
2	IC 480-569943/5	1.0	0.229823	4.0	604623.0	0.229823	Y
3	IC 480-569943/6	2.0	0.513915	4.0	619168.0	0.256958	Y
4	ICIS 480-569943/7	4.0	1.113005	4.0	637244.0	0.278251	Y
5	IC 480-569943/8	8.0	2.229302	4.0	656514.0	0.278663	Y
6	IC 480-569943/9	12.0	3.529987	4.0	629285.0	0.294166	Y
7	IC 480-569943/10	16.0	4.582751	4.0	625523.0	0.286422	Y



Calibration / Acenaphthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

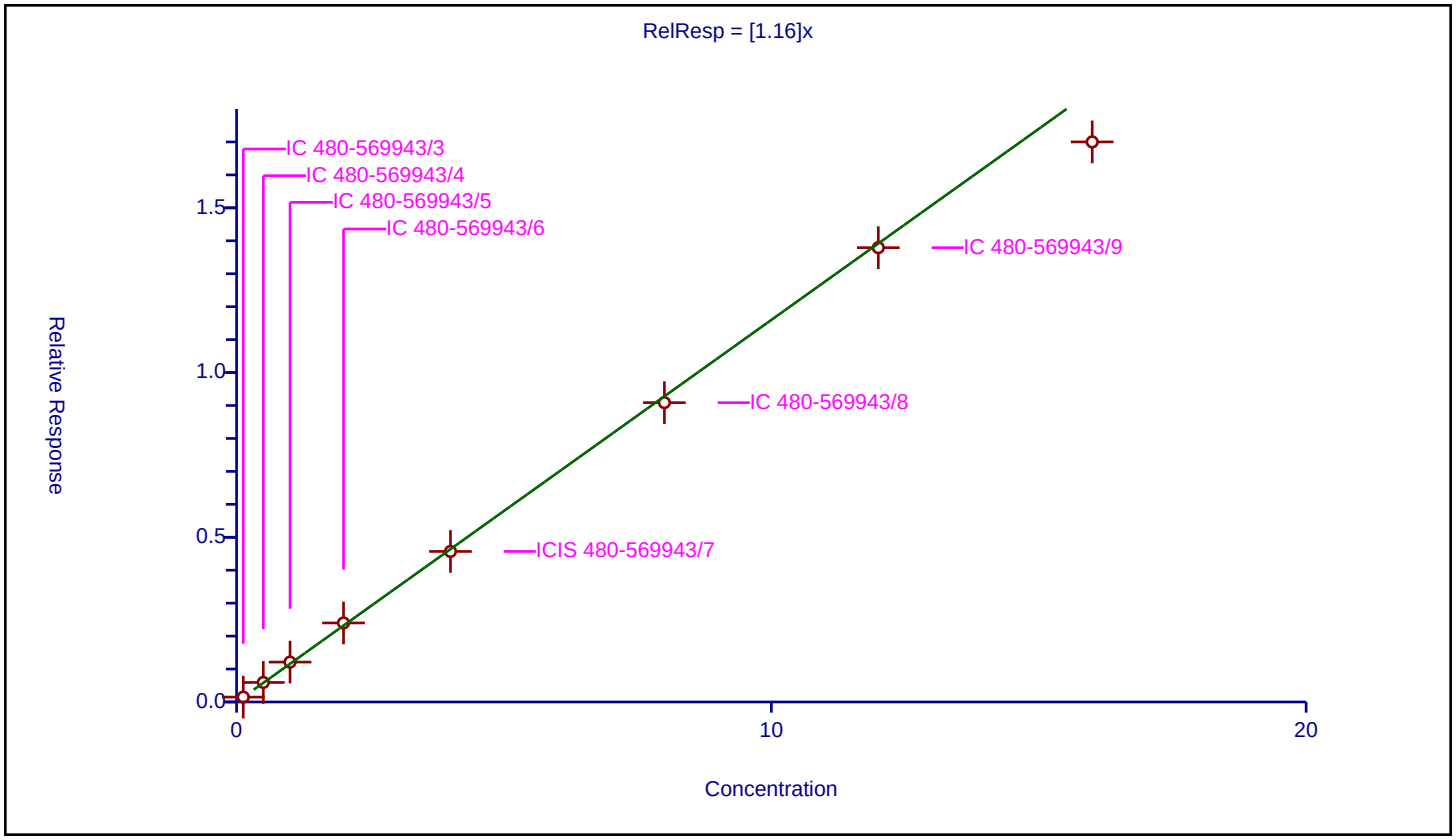
Curve Coefficients

Intercept:	0
Slope:	1.16

Error Coefficients

Standard Error:	1450000
Relative Standard Error:	4.2
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/3	0.125	0.1488	4.0	574356.0	1.190398	Y
2	IC 480-569943/4	0.5	0.593301	4.0	641995.0	1.186601	Y
3	IC 480-569943/5	1.0	1.211082	4.0	604623.0	1.211082	Y
4	IC 480-569943/6	2.0	2.399568	4.0	619168.0	1.199784	Y
5	ICIS 480-569943/7	4.0	4.570162	4.0	637244.0	1.14254	Y
6	IC 480-569943/8	8.0	9.086709	4.0	656514.0	1.135839	Y
7	IC 480-569943/9	12.0	13.790623	4.0	629285.0	1.149219	Y
8	IC 480-569943/10	16.0	17.000839	4.0	625523.0	1.062552	Y



Calibration / 2,4-Dinitrophenol

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

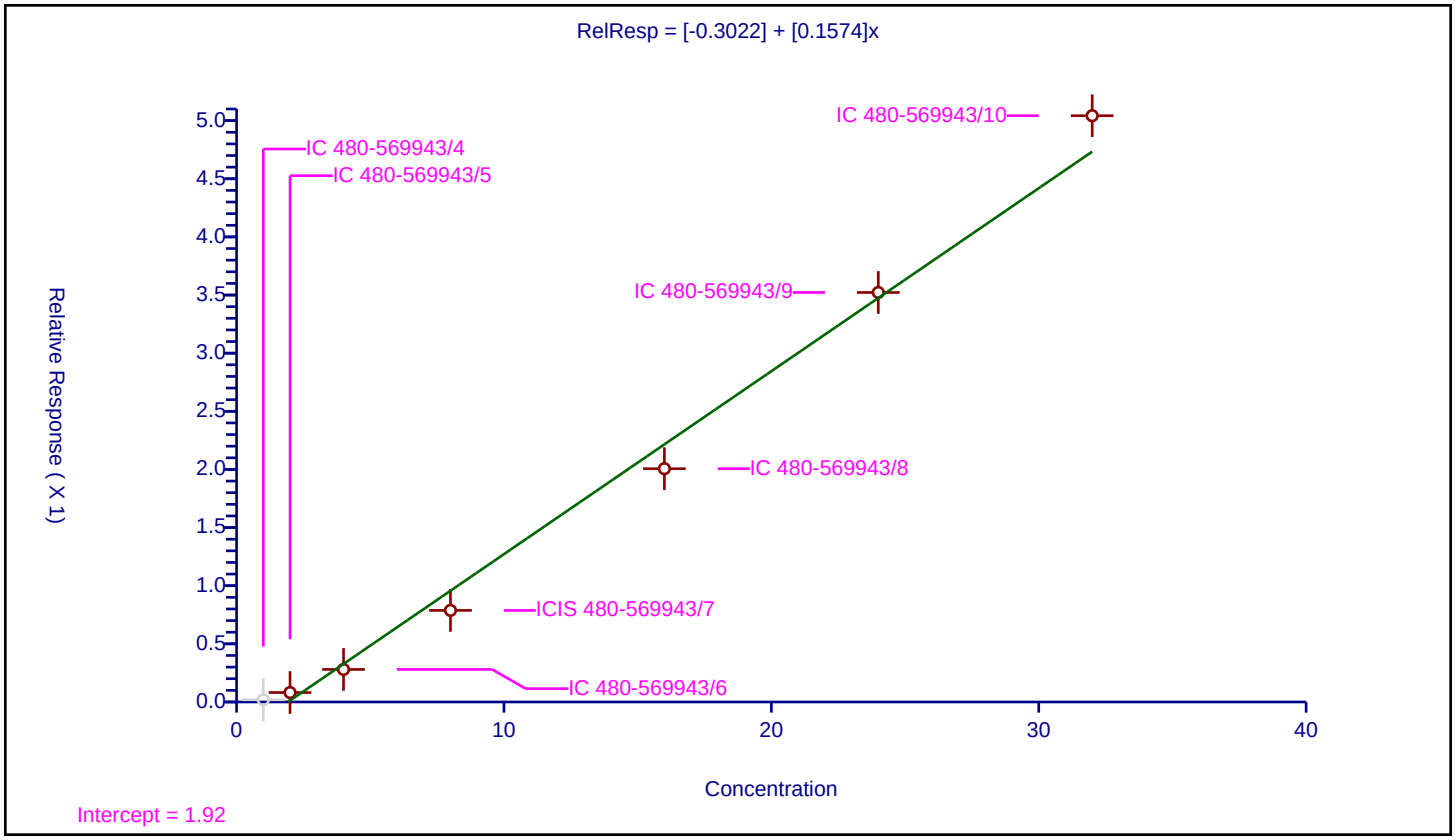
Curve Coefficients

Intercept:	-0.3022
Slope:	0.1574

Error Coefficients

Standard Error:	514000
Relative Standard Error:	14.3
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	1.0	0.018885	4.0	641995.0	0.018885	N
2	IC 480-569943/5	2.0	0.081234	4.0	604623.0	0.040617	Y
3	IC 480-569943/6	4.0	0.279879	4.0	619168.0	0.06997	Y
4	ICIS 480-569943/7	8.0	0.787786	4.0	637244.0	0.098473	Y
5	IC 480-569943/8	16.0	2.006531	4.0	656514.0	0.125408	Y
6	IC 480-569943/9	24.0	3.521972	4.0	629285.0	0.146749	Y
7	IC 480-569943/10	32.0	5.042321	4.0	625523.0	0.157573	Y



Calibration / 4-Nitrophenol

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

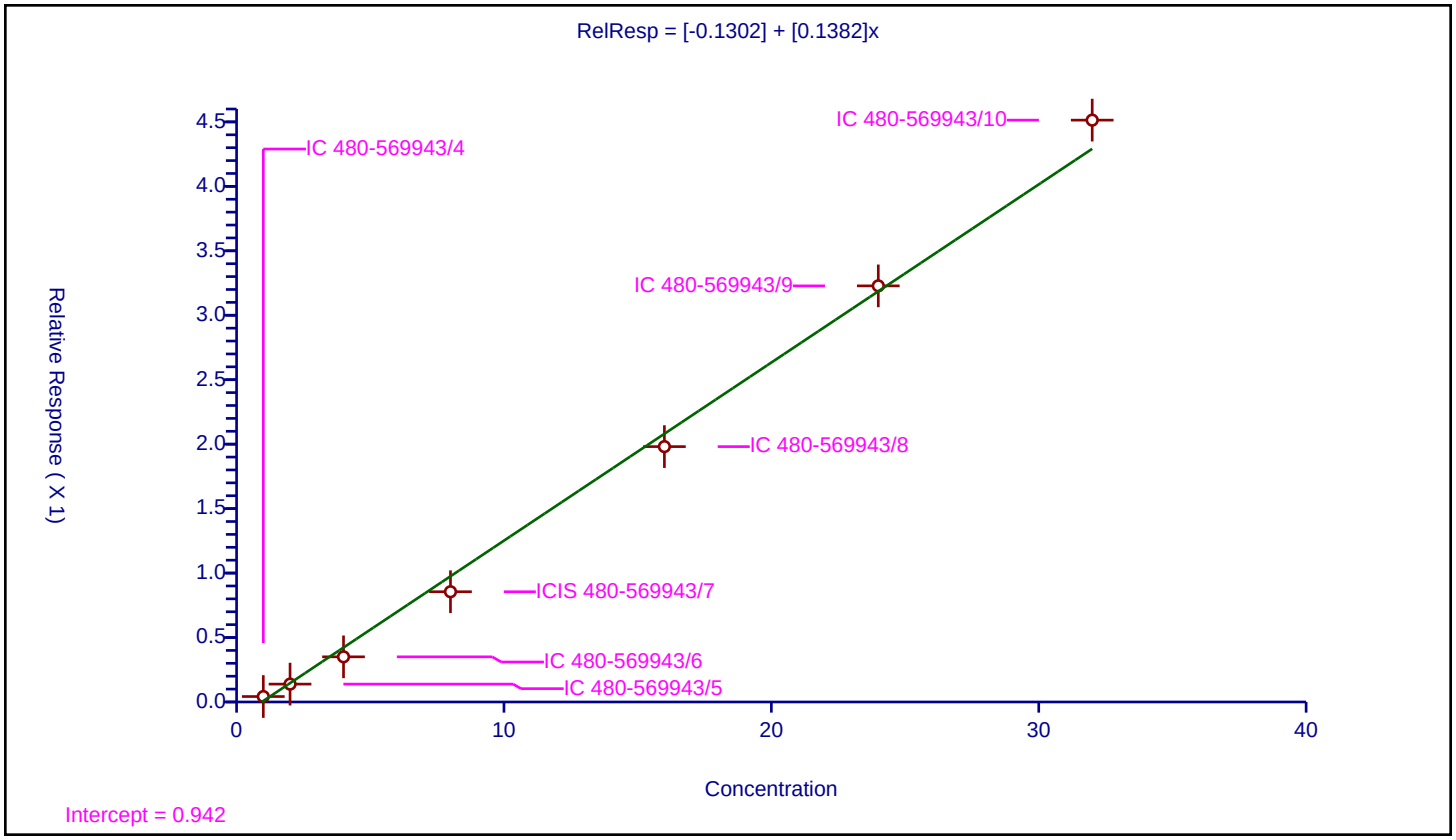
Curve Coefficients

Intercept:	-0.1302
Slope:	0.1382

Error Coefficients

Standard Error:	420000
Relative Standard Error:	13.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	1.0	0.042256	4.0	641995.0	0.042256	Y
2	IC 480-569943/5	2.0	0.138632	4.0	604623.0	0.069316	Y
3	IC 480-569943/6	4.0	0.350425	4.0	619168.0	0.087606	Y
4	ICIS 480-569943/7	8.0	0.855377	4.0	637244.0	0.106922	Y
5	IC 480-569943/8	16.0	1.981058	4.0	656514.0	0.123816	Y
6	IC 480-569943/9	24.0	3.228083	4.0	629285.0	0.134503	Y
7	IC 480-569943/10	32.0	4.51365	4.0	625523.0	0.141052	Y



Calibration / 2,4-Dinitrotoluene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

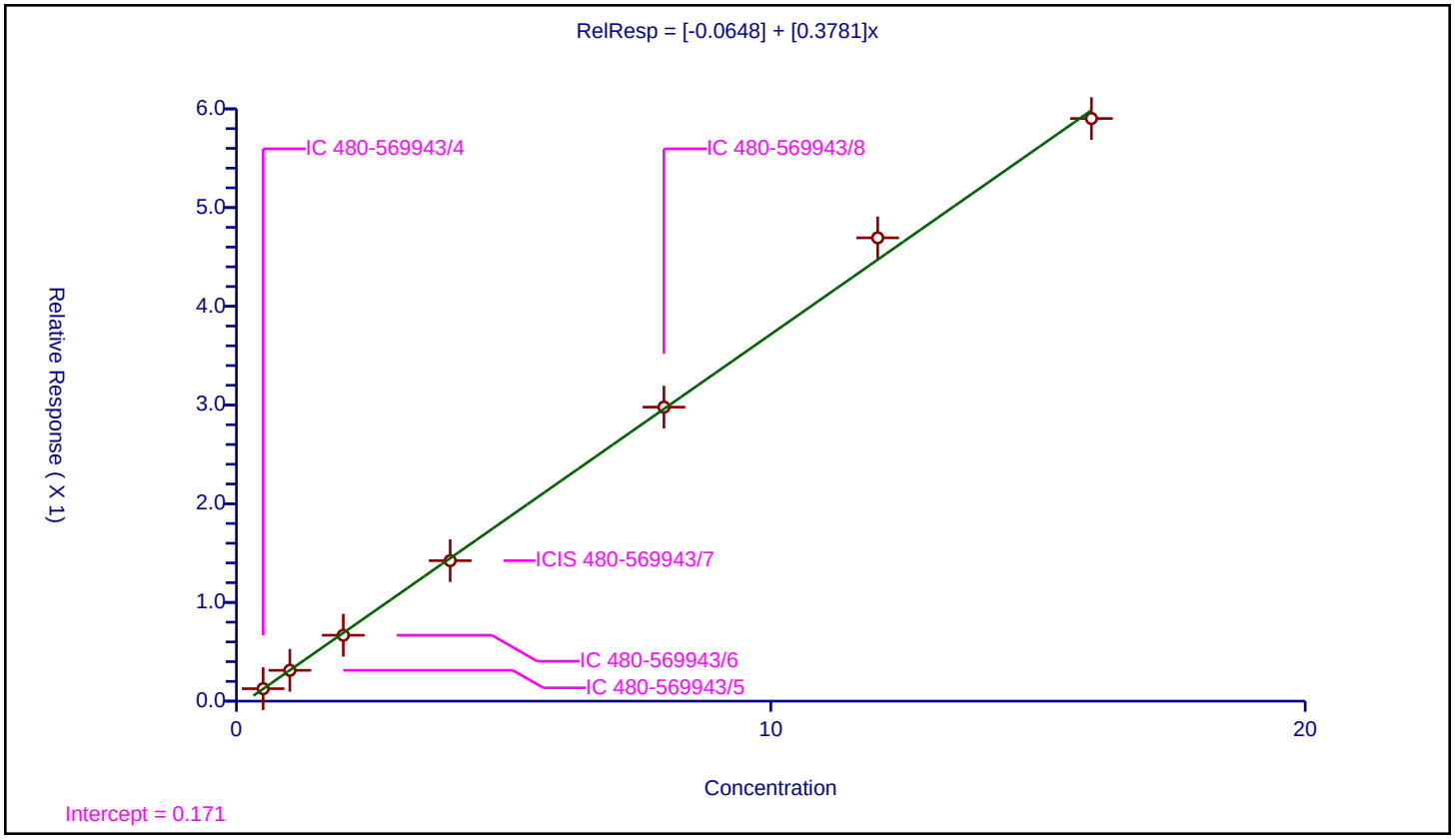
Curve Coefficients

Intercept:	-0.0648
Slope:	0.3781

Error Coefficients

Standard Error:	583000
Relative Standard Error:	2.8
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.126038	4.0	641995.0	0.252077	Y
2	IC 480-569943/5	1.0	0.312201	4.0	604623.0	0.312201	Y
3	IC 480-569943/6	2.0	0.667631	4.0	619168.0	0.333816	Y
4	ICIS 480-569943/7	4.0	1.423179	4.0	637244.0	0.355795	Y
5	IC 480-569943/8	8.0	2.978855	4.0	656514.0	0.372357	Y
6	IC 480-569943/9	12.0	4.693886	4.0	629285.0	0.391157	Y
7	IC 480-569943/10	16.0	5.902657	4.0	625523.0	0.368916	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

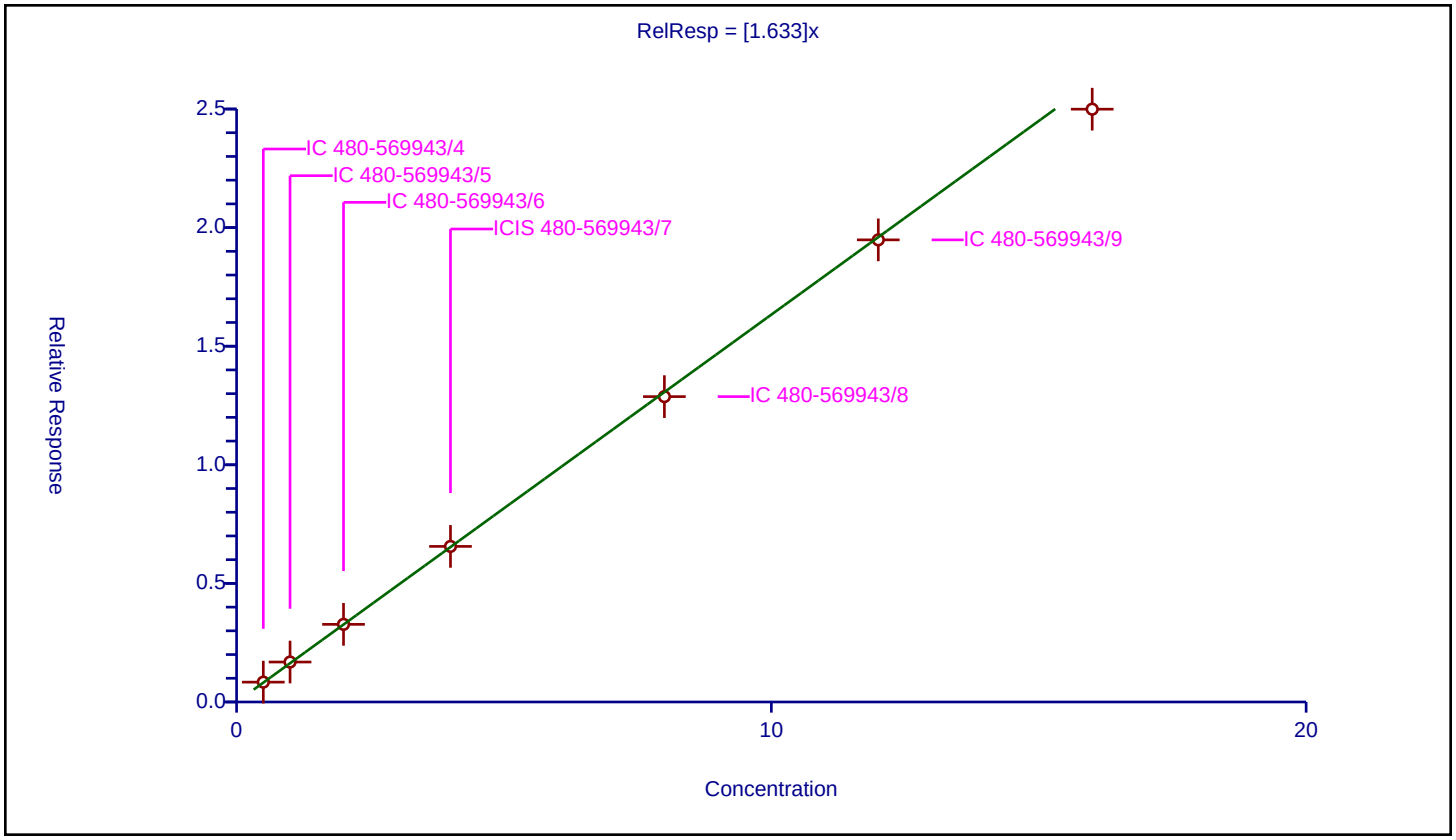
Curve Coefficients

Intercept:	0
Slope:	1.633

Error Coefficients

Standard Error:	2260000
Relative Standard Error:	2.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.83757	4.0	641995.0	1.675141	Y
2	IC 480-569943/5	1.0	1.684891	4.0	604623.0	1.684891	Y
3	IC 480-569943/6	2.0	3.273251	4.0	619168.0	1.636625	Y
4	ICIS 480-569943/7	4.0	6.559334	4.0	637244.0	1.639833	Y
5	IC 480-569943/8	8.0	12.874565	4.0	656514.0	1.609321	Y
6	IC 480-569943/9	12.0	19.483255	4.0	629285.0	1.623605	Y
7	IC 480-569943/10	16.0	24.992744	4.0	625523.0	1.562046	Y



Calibration / 2,3,4,6-Tetrachlorophenol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

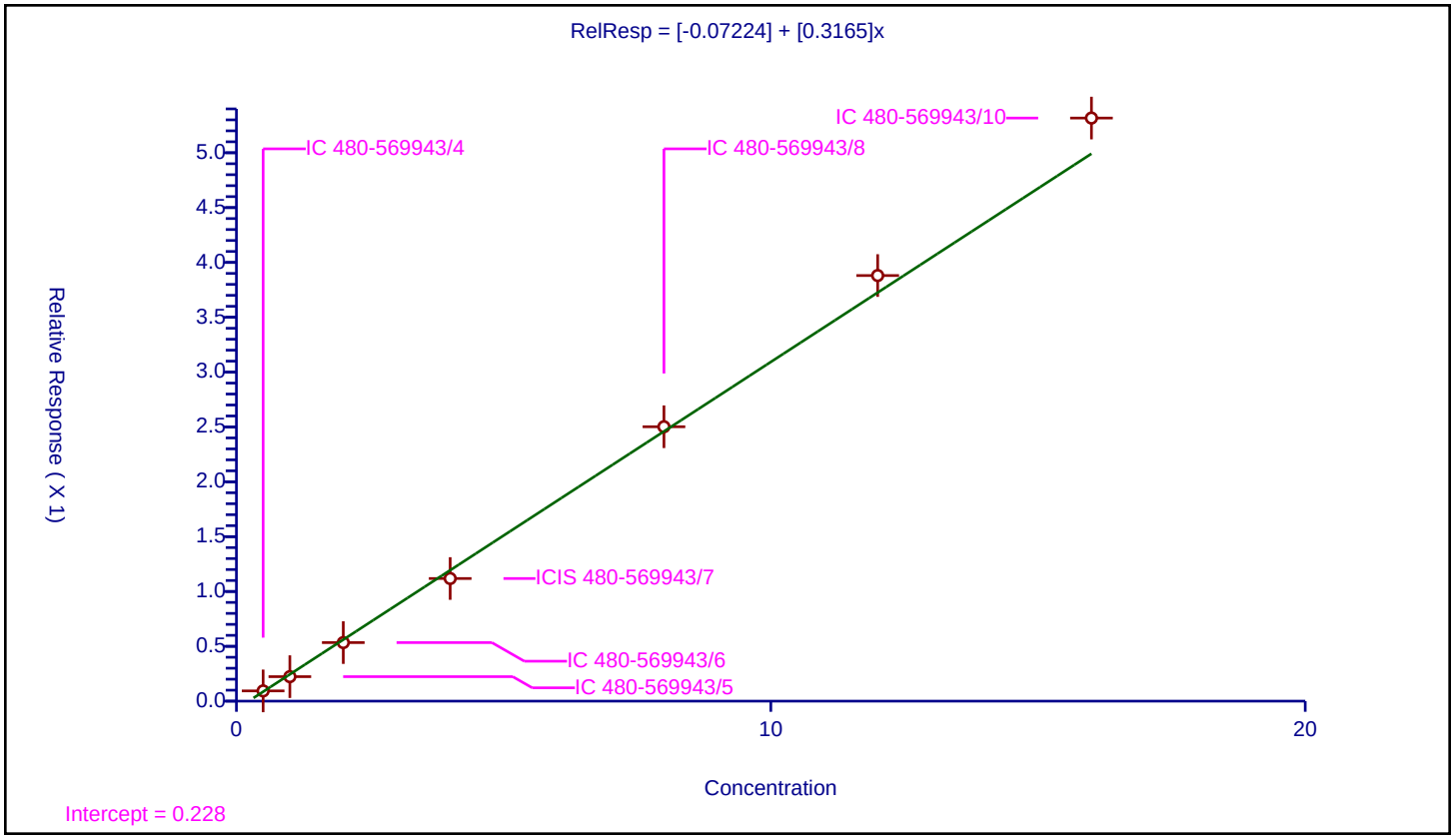
Curve Coefficients

Intercept:	-0.07224
Slope:	0.3165

Error Coefficients

Standard Error:	504000
Relative Standard Error:	6.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.09334	4.0	641995.0	0.186681	Y
2	IC 480-569943/5	1.0	0.223273	4.0	604623.0	0.223273	Y
3	IC 480-569943/6	2.0	0.533852	4.0	619168.0	0.266926	Y
4	ICIS 480-569943/7	4.0	1.118115	4.0	637244.0	0.279529	Y
5	IC 480-569943/8	8.0	2.502003	4.0	656514.0	0.31275	Y
6	IC 480-569943/9	12.0	3.880557	4.0	629285.0	0.32338	Y
7	IC 480-569943/10	16.0	5.316498	4.0	625523.0	0.332281	Y



Calibration / Diethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

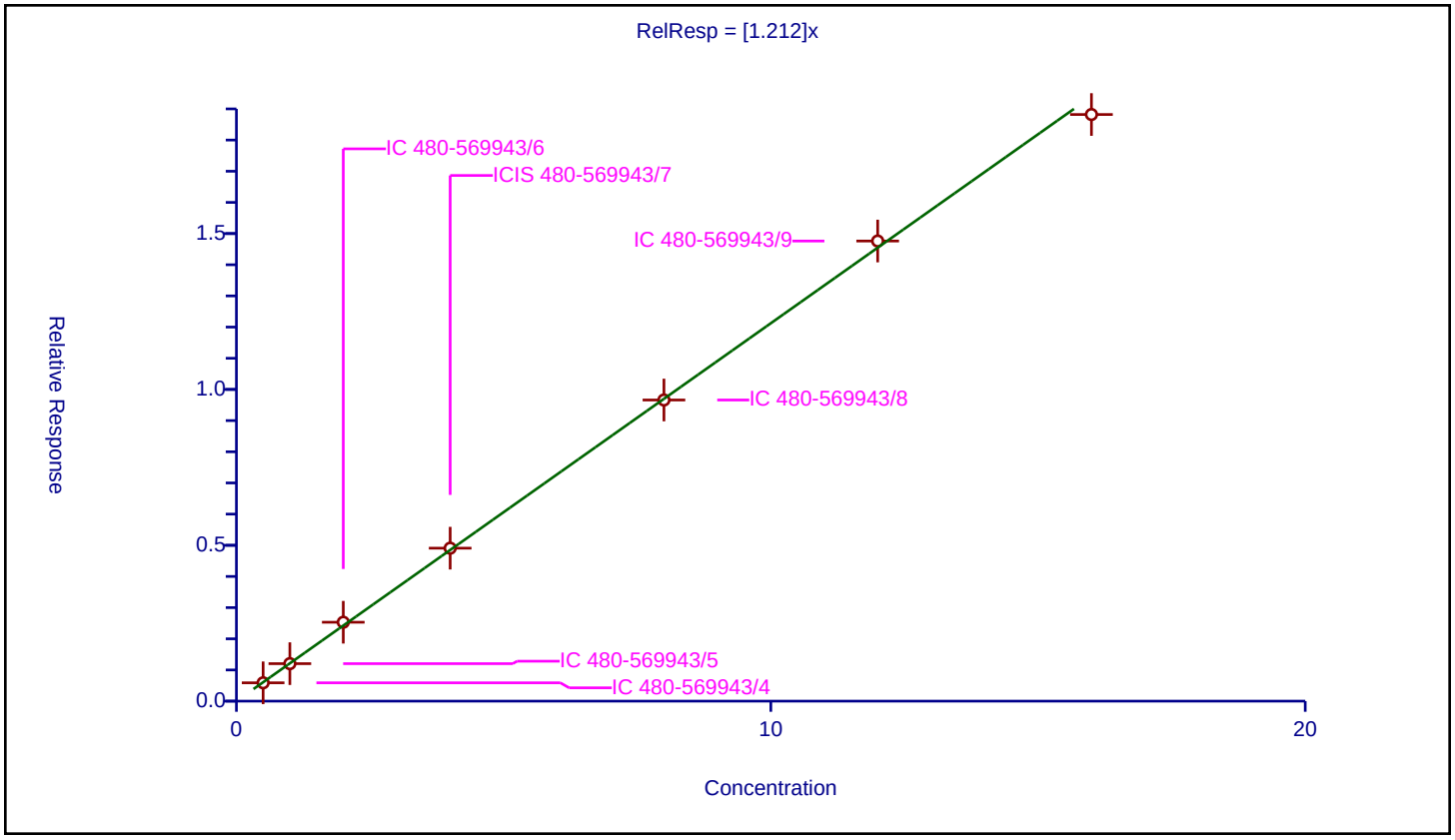
Curve Coefficients

Intercept:	0
Slope:	1.212

Error Coefficients

Standard Error:	1700000
Relative Standard Error:	2.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.588434	4.0	641995.0	1.176869	Y
2	IC 480-569943/5	1.0	1.202753	4.0	604623.0	1.202753	Y
3	IC 480-569943/6	2.0	2.531087	4.0	619168.0	1.265543	Y
4	ICIS 480-569943/7	4.0	4.907451	4.0	637244.0	1.226863	Y
5	IC 480-569943/8	8.0	9.661119	4.0	656514.0	1.20764	Y
6	IC 480-569943/9	12.0	14.761483	4.0	629285.0	1.230124	Y
7	IC 480-569943/10	16.0	18.819484	4.0	625523.0	1.176218	Y



Calibration / Hexadecane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

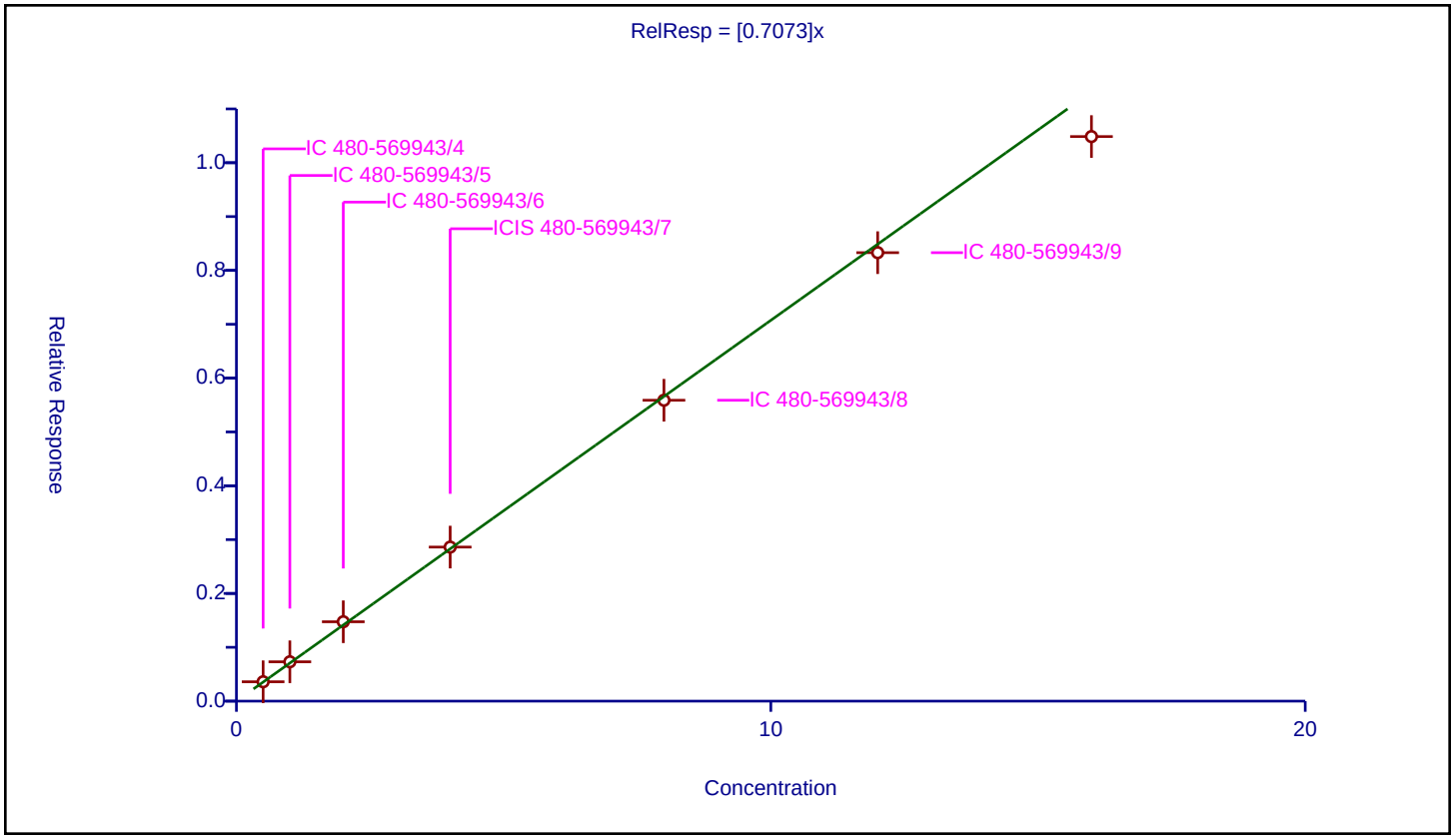
Curve Coefficients

Intercept:	0
Slope:	0.7073

Error Coefficients

Standard Error:	959000
Relative Standard Error:	3.9
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.359766	4.0	641995.0	0.719532	Y
2	IC 480-569943/5	1.0	0.73069	4.0	604623.0	0.73069	Y
3	IC 480-569943/6	2.0	1.474463	4.0	619168.0	0.737231	Y
4	ICIS 480-569943/7	4.0	2.861334	4.0	637244.0	0.715334	Y
5	IC 480-569943/8	8.0	5.588853	4.0	656514.0	0.698607	Y
6	IC 480-569943/9	12.0	8.32979	4.0	629285.0	0.694149	Y
7	IC 480-569943/10	16.0	10.485811	4.0	625523.0	0.655363	Y



Calibration / 4-Chlorophenyl phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

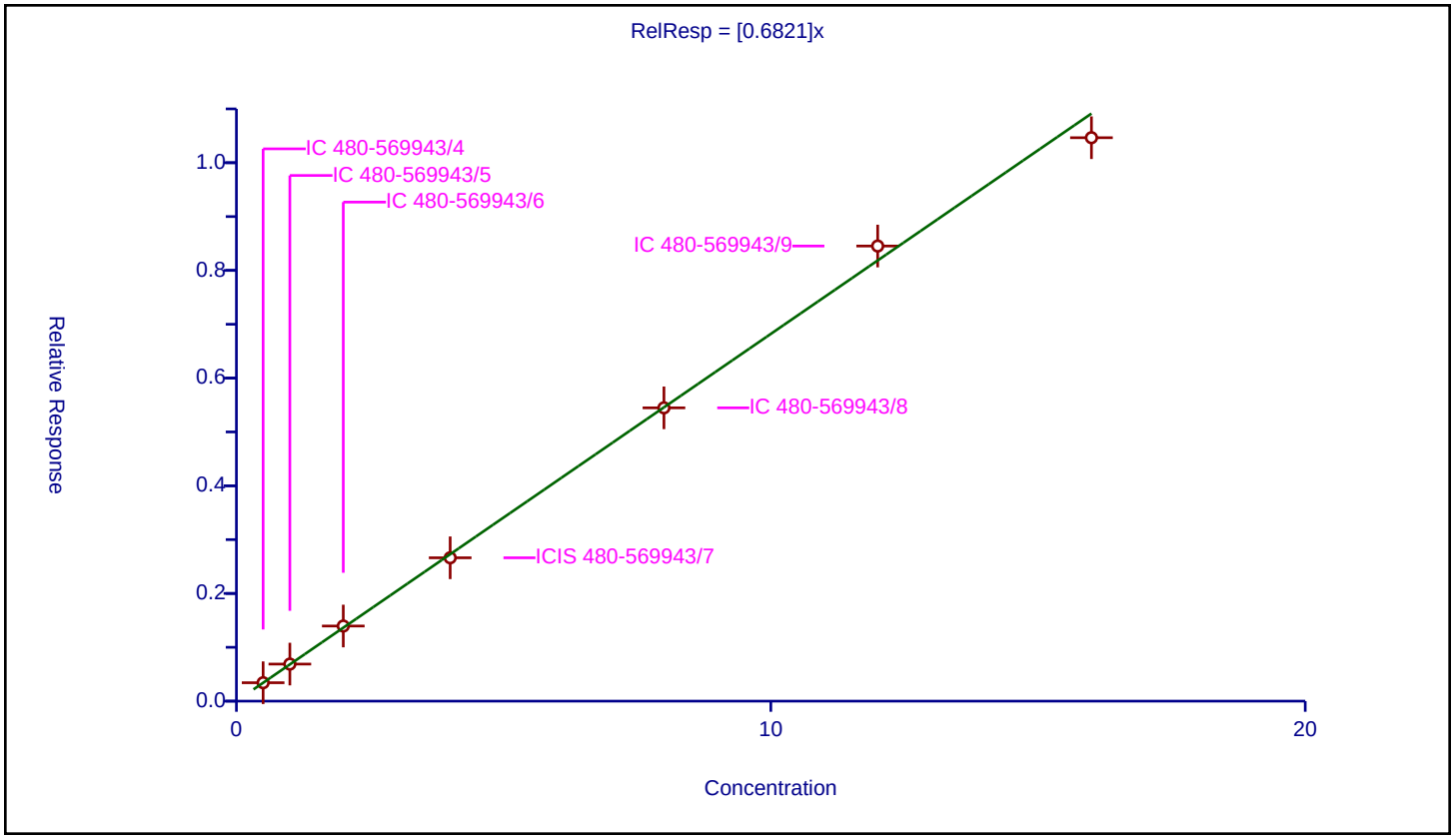
Curve Coefficients

Intercept:	0
Slope:	0.6821

Error Coefficients

Standard Error:	956000
Relative Standard Error:	2.6
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.341866	4.0	641995.0	0.683731	Y
2	IC 480-569943/5	1.0	0.688118	4.0	604623.0	0.688118	Y
3	IC 480-569943/6	2.0	1.395117	4.0	619168.0	0.697559	Y
4	ICIS 480-569943/7	4.0	2.66271	4.0	637244.0	0.665678	Y
5	IC 480-569943/8	8.0	5.447573	4.0	656514.0	0.680947	Y
6	IC 480-569943/9	12.0	8.453041	4.0	629285.0	0.70442	Y
7	IC 480-569943/10	16.0	10.464817	4.0	625523.0	0.654051	Y



Calibration / Fluorene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

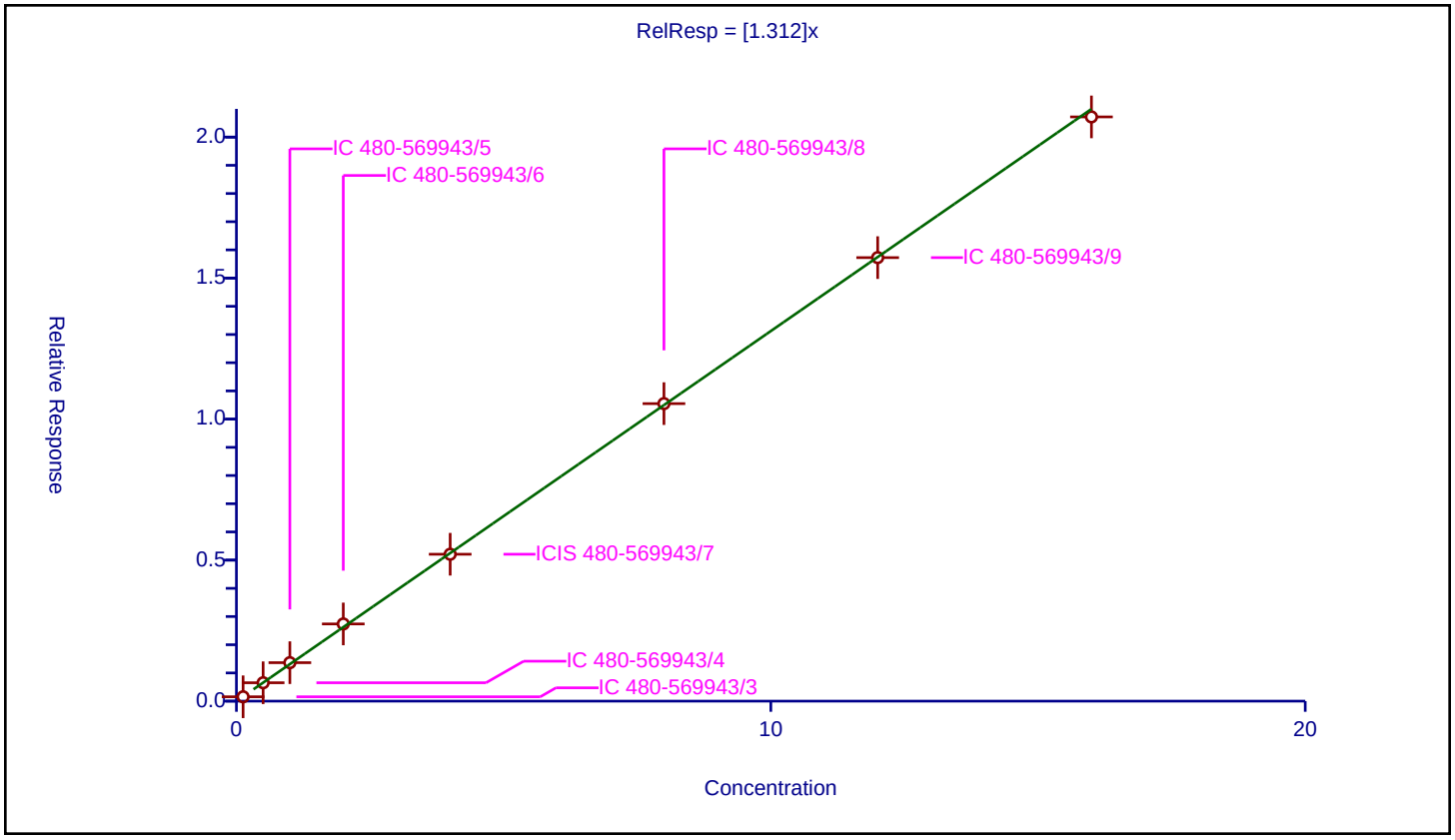
Curve Coefficients

Intercept:	0
Slope:	1.312

Error Coefficients

Standard Error:	1710000
Relative Standard Error:	3.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/3	0.125	0.154476	4.0	574356.0	1.235805	Y
2	IC 480-569943/4	0.5	0.651718	4.0	641995.0	1.303437	Y
3	IC 480-569943/5	1.0	1.363713	4.0	604623.0	1.363713	Y
4	IC 480-569943/6	2.0	2.737222	4.0	619168.0	1.368611	Y
5	ICIS 480-569943/7	4.0	5.208536	4.0	637244.0	1.302134	Y
6	IC 480-569943/8	8.0	10.548875	4.0	656514.0	1.318609	Y
7	IC 480-569943/9	12.0	15.726807	4.0	629285.0	1.310567	Y
8	IC 480-569943/10	16.0	20.715421	4.0	625523.0	1.294714	Y



Calibration / 4-Nitroaniline

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

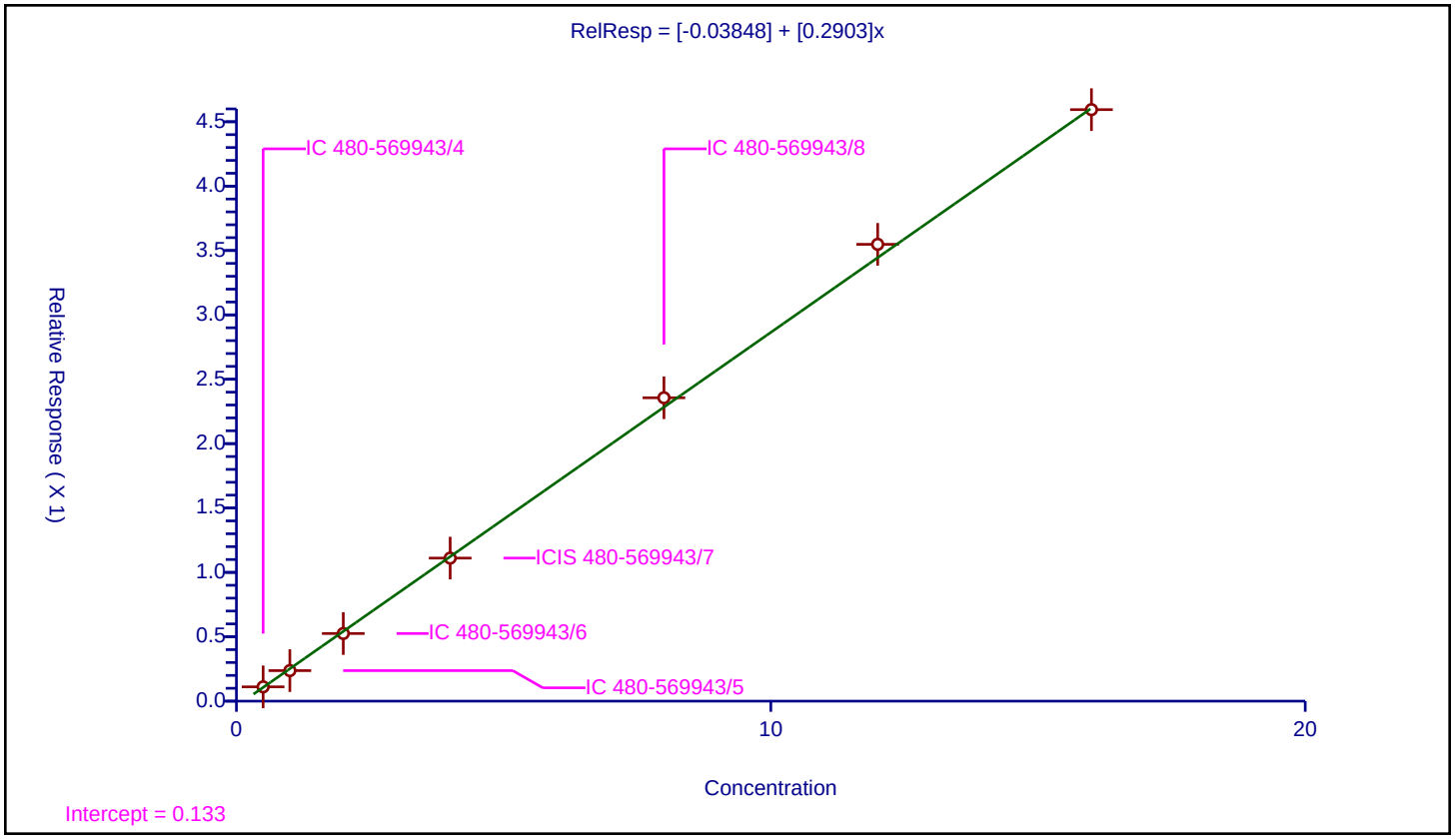
Curve Coefficients

Intercept:	-0.03848
Slope:	0.2903

Error Coefficients

Standard Error:	451000
Relative Standard Error:	3.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.111073	4.0	641995.0	0.222145	Y
2	IC 480-569943/5	1.0	0.237173	4.0	604623.0	0.237173	Y
3	IC 480-569943/6	2.0	0.525363	4.0	619168.0	0.262682	Y
4	ICIS 480-569943/7	4.0	1.110915	4.0	637244.0	0.277729	Y
5	IC 480-569943/8	8.0	2.356355	4.0	656514.0	0.294544	Y
6	IC 480-569943/9	12.0	3.548084	4.0	629285.0	0.295674	Y
7	IC 480-569943/10	16.0	4.594299	4.0	625523.0	0.287144	Y



Calibration / 4,6-Dinitro-2-methylphenol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

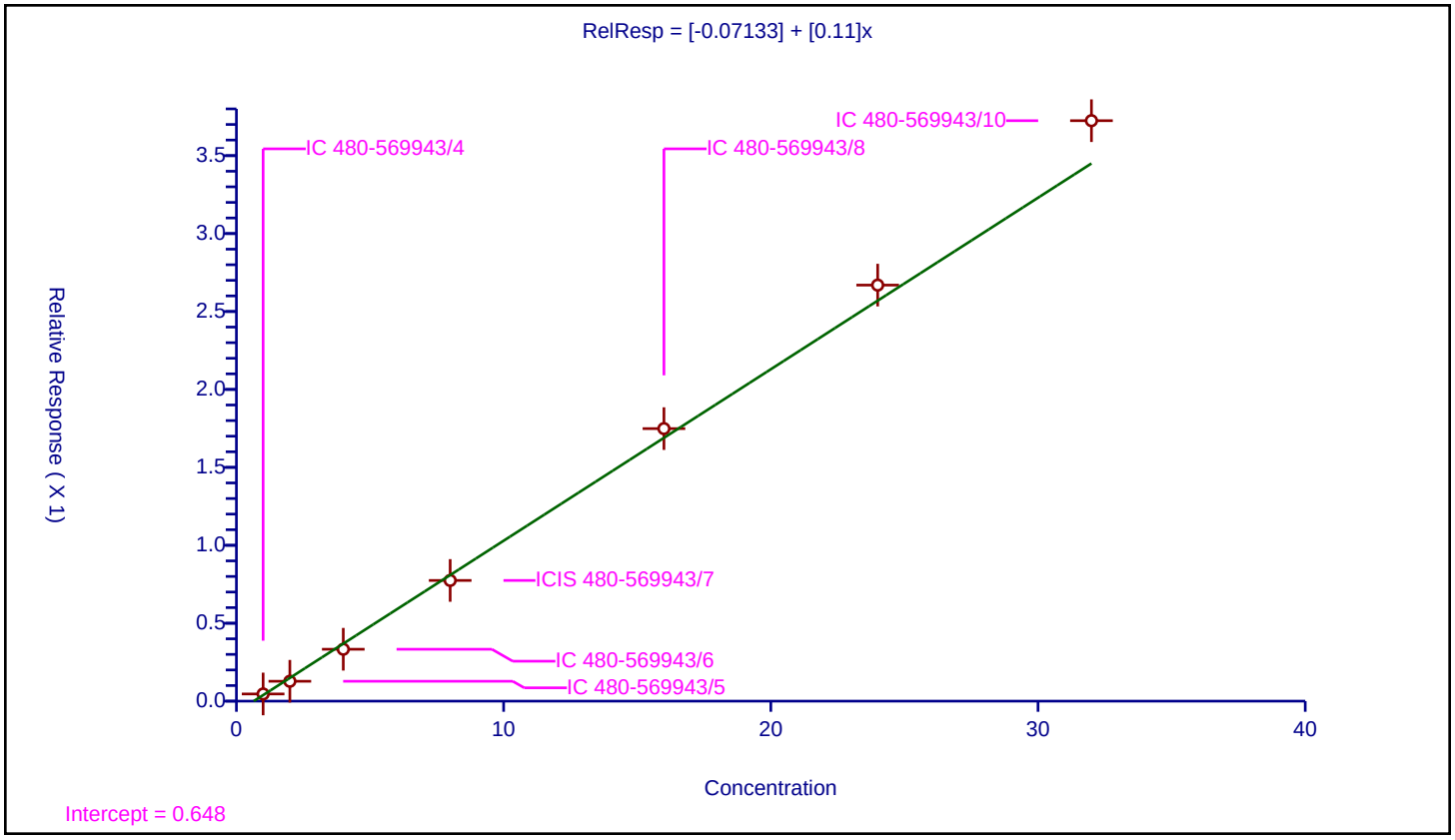
Curve Coefficients

Intercept:	-0.07133
Slope:	0.11

Error Coefficients

Standard Error:	650000
Relative Standard Error:	7.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	1.0	0.046094	4.0	1143319.0	0.046094	Y
2	IC 480-569943/5	2.0	0.127643	4.0	1063435.0	0.063821	Y
3	IC 480-569943/6	4.0	0.33297	4.0	1100158.0	0.083243	Y
4	ICIS 480-569943/7	8.0	0.774467	4.0	1137350.0	0.096808	Y
5	IC 480-569943/8	16.0	1.748638	4.0	1171369.0	0.10929	Y
6	IC 480-569943/9	24.0	2.669403	4.0	1175301.0	0.111225	Y
7	IC 480-569943/10	32.0	3.72423	4.0	1166162.0	0.116382	Y



Calibration / Diphenylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

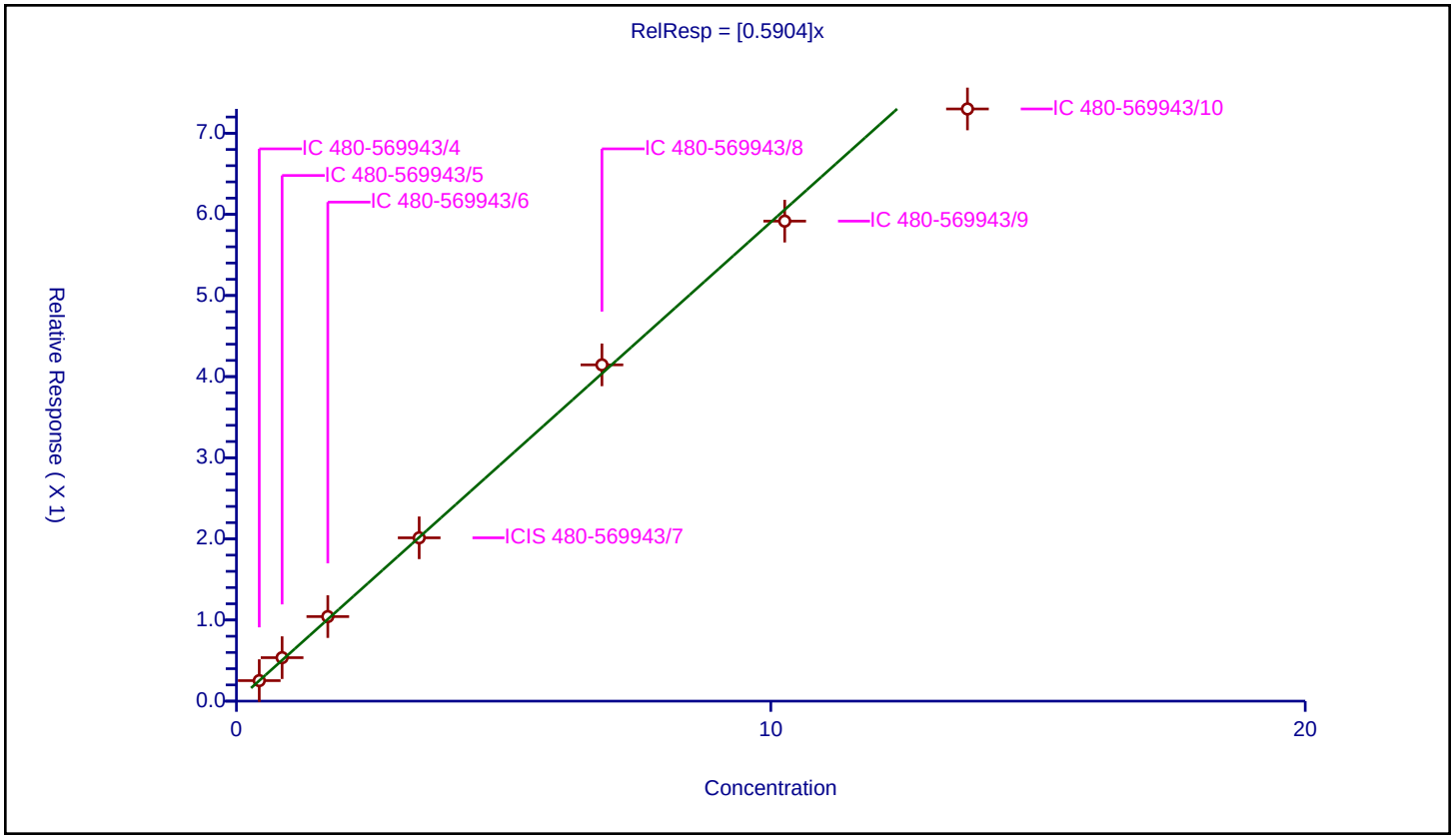
Curve Coefficients

Intercept:	0
Slope:	0.5904

Error Coefficients

Standard Error:	1260000
Relative Standard Error:	5.1
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.4275	0.252892	4.0	1143319.0	0.59156	Y
2	IC 480-569943/5	0.855	0.535867	4.0	1063435.0	0.626745	Y
3	IC 480-569943/6	1.71	1.042305	4.0	1100158.0	0.609535	Y
4	ICIS 480-569943/7	3.42	2.013157	4.0	1137350.0	0.588642	Y
5	IC 480-569943/8	6.84	4.145211	4.0	1171369.0	0.606025	Y
6	IC 480-569943/9	10.26	5.916697	4.0	1175301.0	0.576676	Y
7	IC 480-569943/10	13.68	7.299494	4.0	1166162.0	0.533589	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

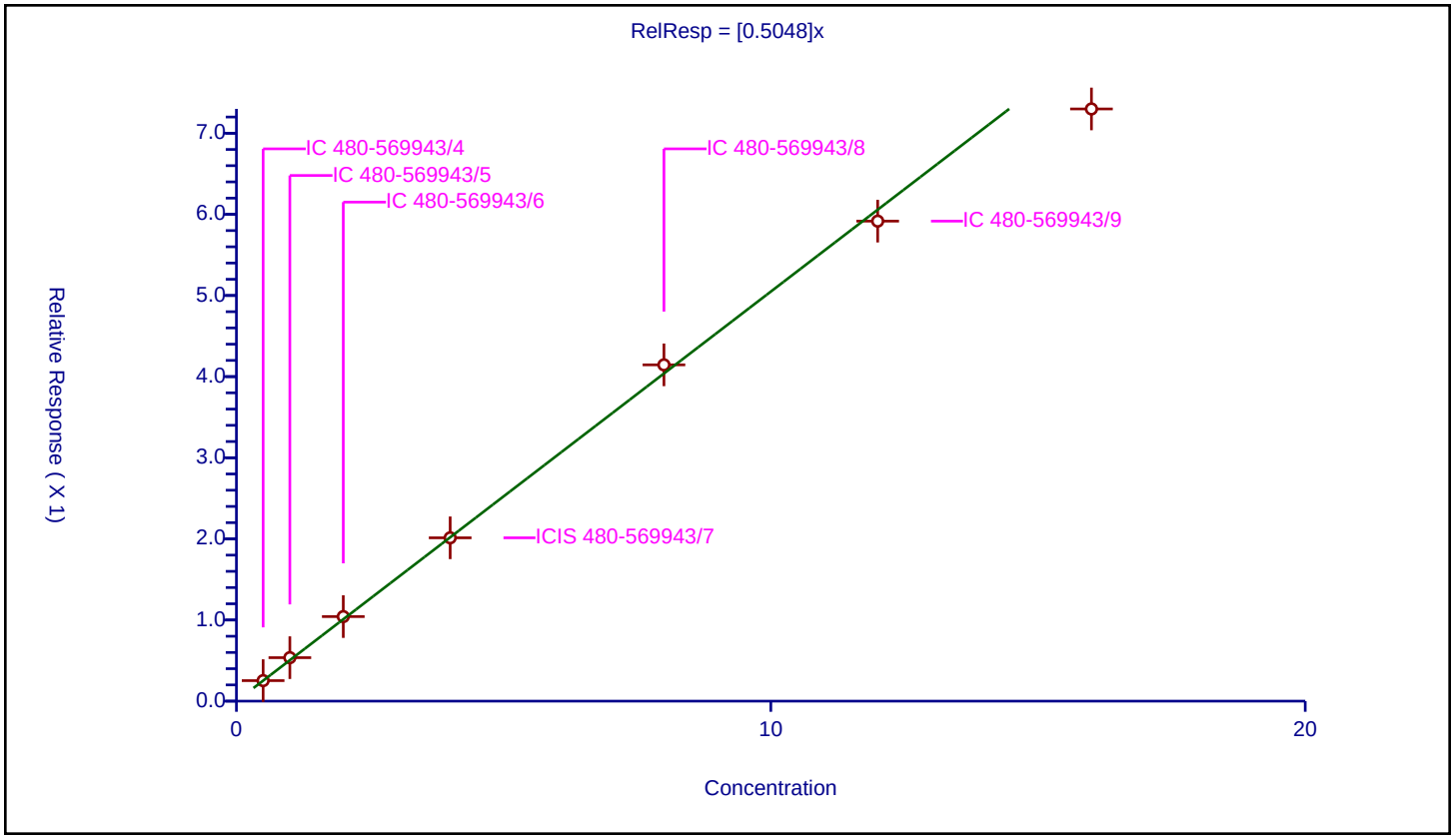
Curve Coefficients

Intercept:	0
Slope:	0.5048

Error Coefficients

Standard Error:	1260000
Relative Standard Error:	5.1
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.252892	4.0	1143319.0	0.505784	Y
2	IC 480-569943/5	1.0	0.535867	4.0	1063435.0	0.535867	Y
3	IC 480-569943/6	2.0	1.042305	4.0	1100158.0	0.521152	Y
4	ICIS 480-569943/7	4.0	2.013157	4.0	1137350.0	0.503289	Y
5	IC 480-569943/8	8.0	4.145211	4.0	1171369.0	0.518151	Y
6	IC 480-569943/9	12.0	5.916697	4.0	1175301.0	0.493058	Y
7	IC 480-569943/10	16.0	7.299494	4.0	1166162.0	0.456218	Y



Calibration / 1,2-Diphenylhydrazine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

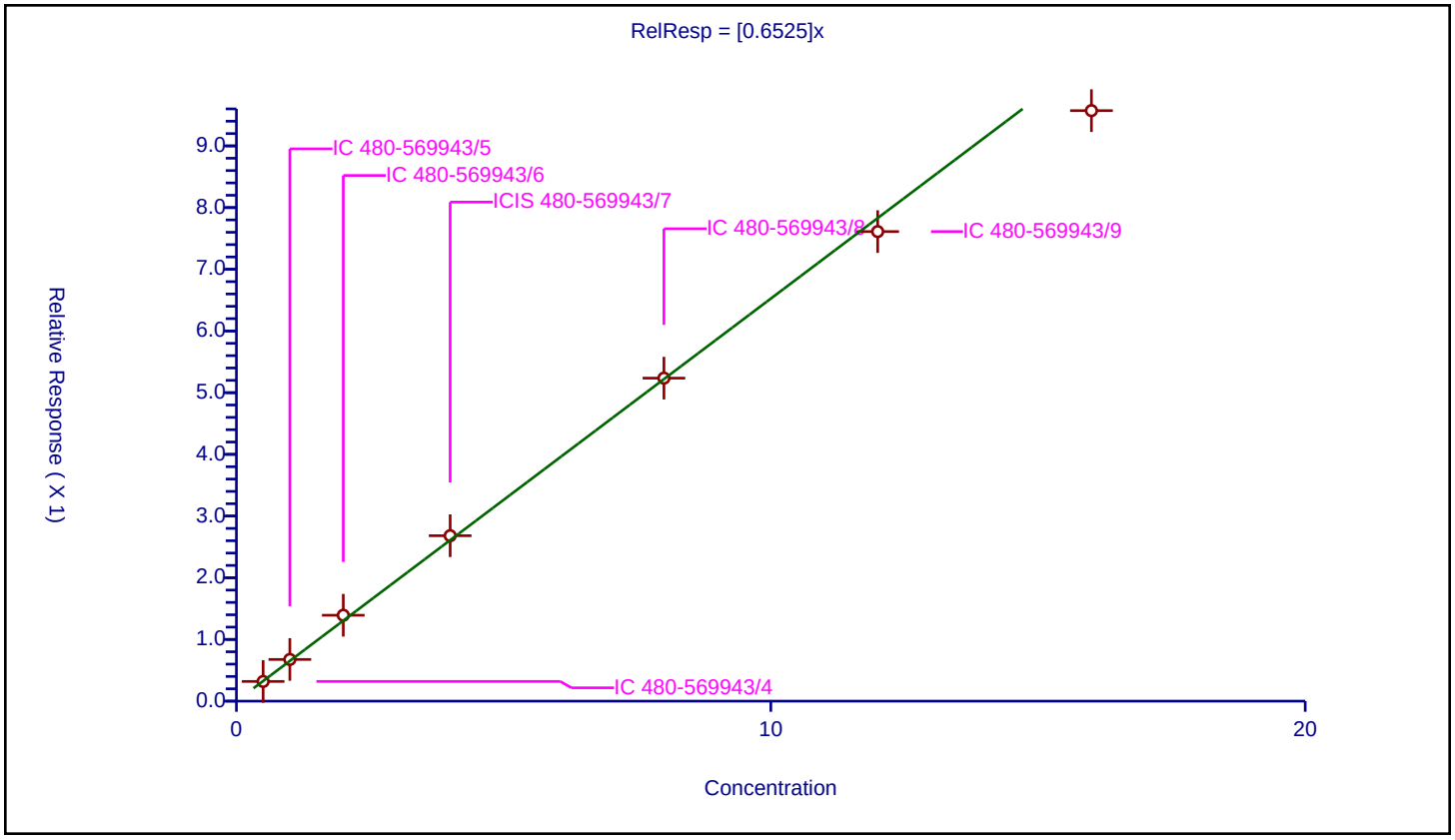
Curve Coefficients

Intercept:	0
Slope:	0.6525

Error Coefficients

Standard Error:	1630000
Relative Standard Error:	4.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.319232	4.0	1143319.0	0.638464	Y
2	IC 480-569943/5	1.0	0.675558	4.0	1063435.0	0.675558	Y
3	IC 480-569943/6	2.0	1.39224	4.0	1100158.0	0.69612	Y
4	ICIS 480-569943/7	4.0	2.681447	4.0	1137350.0	0.670362	Y
5	IC 480-569943/8	8.0	5.235737	4.0	1171369.0	0.654467	Y
6	IC 480-569943/9	12.0	7.611269	4.0	1175301.0	0.634272	Y
7	IC 480-569943/10	16.0	9.57159	4.0	1166162.0	0.598224	Y



Calibration / Azobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

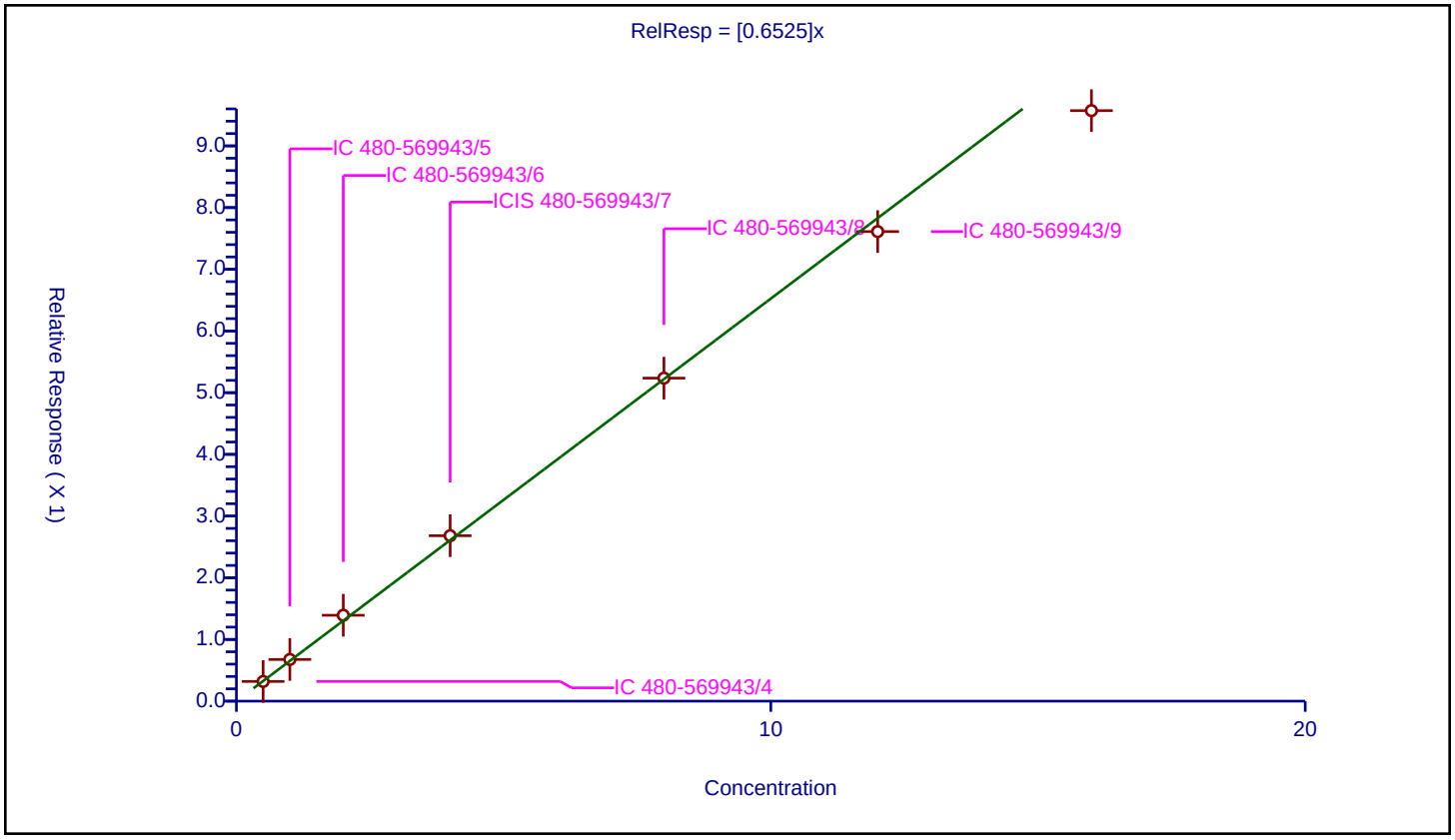
Curve Coefficients

Intercept:	0
Slope:	0.6525

Error Coefficients

Standard Error:	1630000
Relative Standard Error:	4.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.319232	4.0	1143319.0	0.638464	Y
2	IC 480-569943/5	1.0	0.675558	4.0	1063435.0	0.675558	Y
3	IC 480-569943/6	2.0	1.392007	4.0	1100158.0	0.696004	Y
4	ICIS 480-569943/7	4.0	2.681447	4.0	1137350.0	0.670362	Y
5	IC 480-569943/8	8.0	5.235737	4.0	1171369.0	0.654467	Y
6	IC 480-569943/9	12.0	7.611269	4.0	1175301.0	0.634272	Y
7	IC 480-569943/10	16.0	9.57159	4.0	1166162.0	0.598224	Y



Calibration / 2,4,6-Tribromophenol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

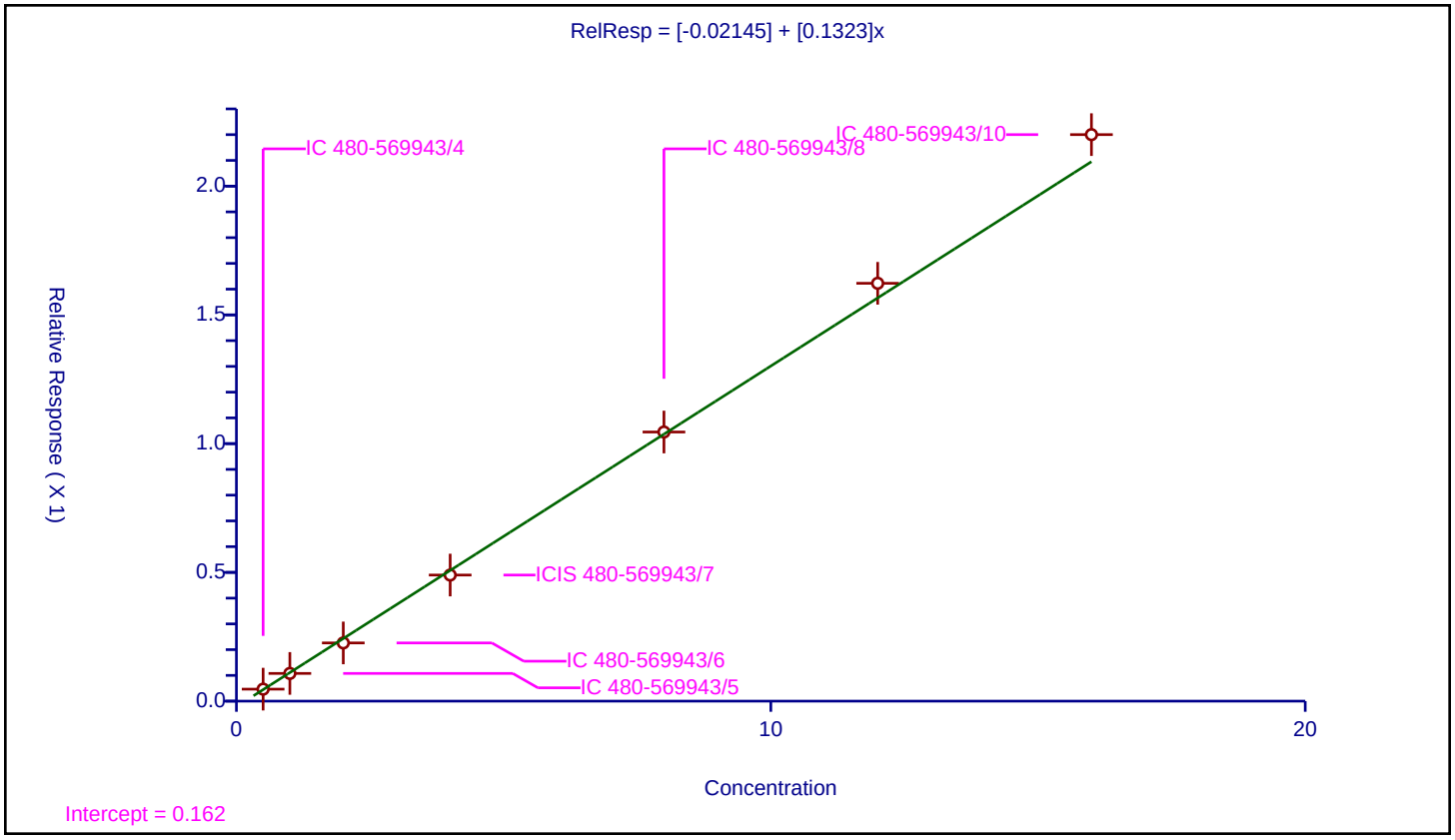
Curve Coefficients

Intercept:	-0.02145
Slope:	0.1323

Error Coefficients

Standard Error:	389000
Relative Standard Error:	4.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.046587	4.0	1143319.0	0.093174	Y
2	IC 480-569943/5	1.0	0.107655	4.0	1063435.0	0.107655	Y
3	IC 480-569943/6	2.0	0.226095	4.0	1100158.0	0.113047	Y
4	ICIS 480-569943/7	4.0	0.489742	4.0	1137350.0	0.122435	Y
5	IC 480-569943/8	8.0	1.045194	4.0	1171369.0	0.130649	Y
6	IC 480-569943/9	12.0	1.622669	4.0	1175301.0	0.135222	Y
7	IC 480-569943/10	16.0	2.200068	4.0	1166162.0	0.137504	Y



Calibration / 4-Bromophenyl phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

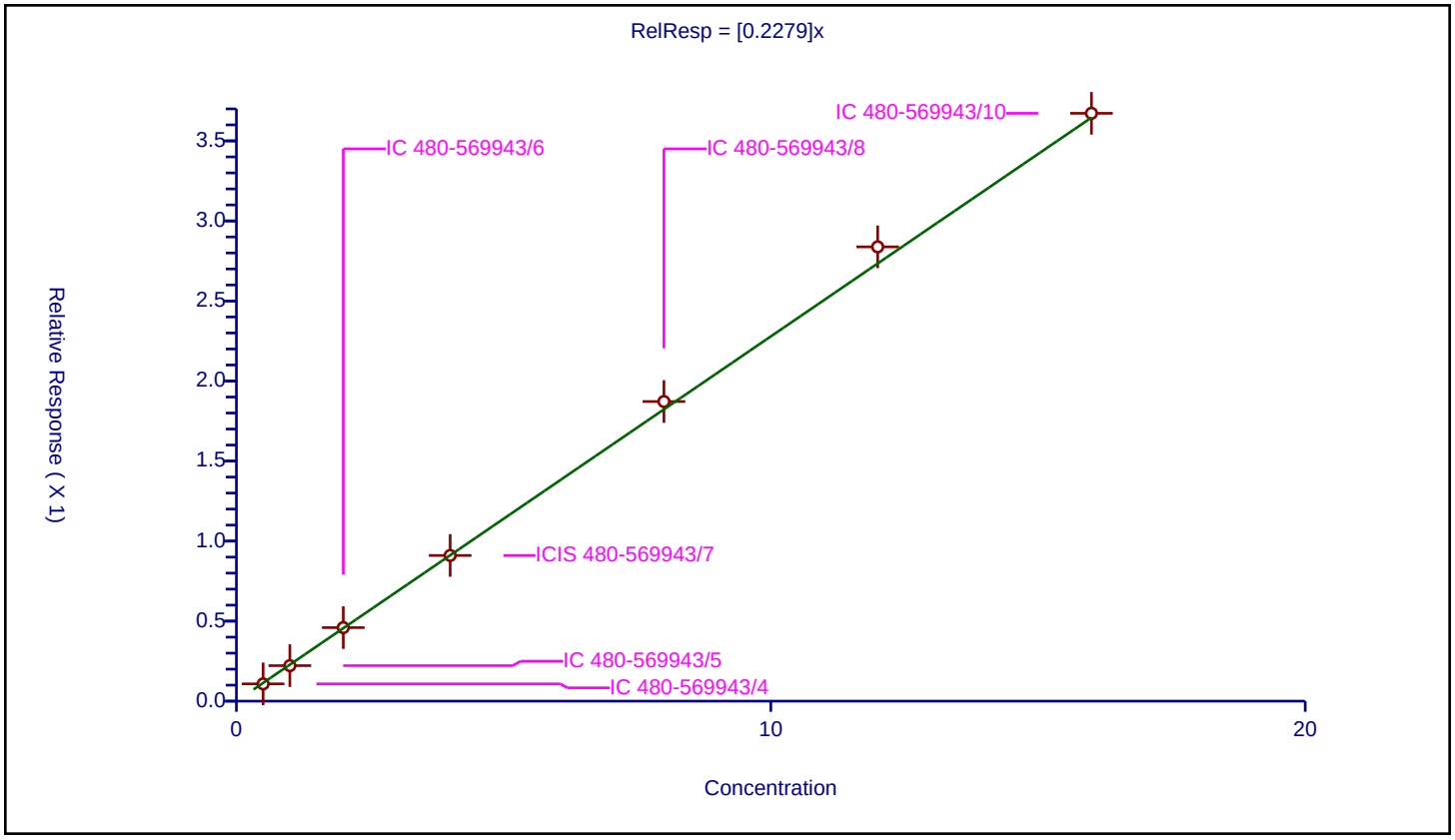
Curve Coefficients

Intercept:	0
Slope:	0.2279

Error Coefficients

Standard Error:	610000
Relative Standard Error:	3.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.10798	4.0	1143319.0	0.215961	Y
2	IC 480-569943/5	1.0	0.221772	4.0	1063435.0	0.221772	Y
3	IC 480-569943/6	2.0	0.459392	4.0	1100158.0	0.229696	Y
4	ICIS 480-569943/7	4.0	0.910151	4.0	1137350.0	0.227538	Y
5	IC 480-569943/8	8.0	1.871912	4.0	1171369.0	0.233989	Y
6	IC 480-569943/9	12.0	2.838092	4.0	1175301.0	0.236508	Y
7	IC 480-569943/10	16.0	3.672426	4.0	1166162.0	0.229527	Y



Calibration / Hexachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

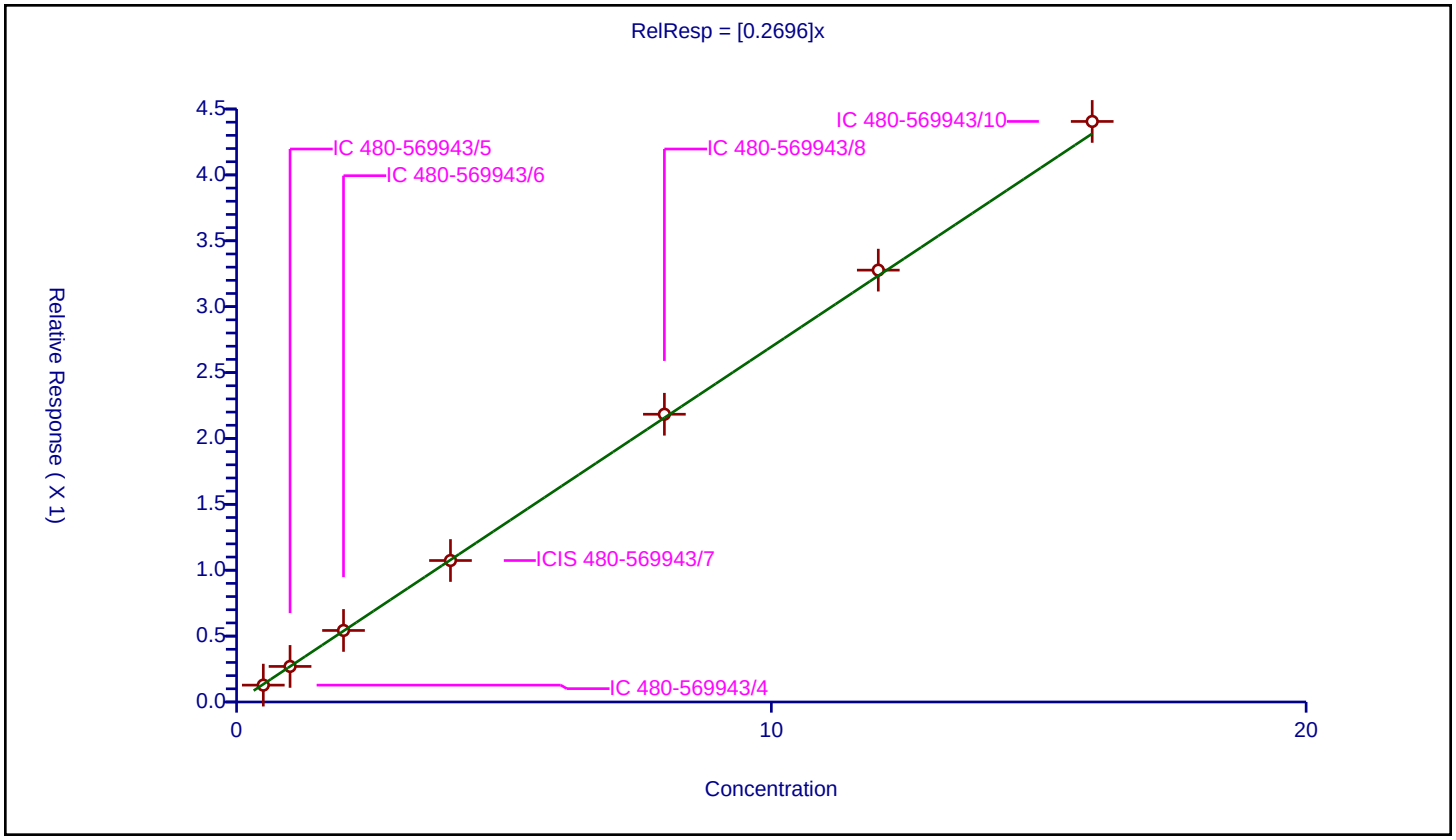
Curve Coefficients

Intercept:	0
Slope:	0.2696

Error Coefficients

Standard Error:	720000
Relative Standard Error:	2.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.127898	4.0	1143319.0	0.255796	Y
2	IC 480-569943/5	1.0	0.269925	4.0	1063435.0	0.269925	Y
3	IC 480-569943/6	2.0	0.542777	4.0	1100158.0	0.271388	Y
4	ICIS 480-569943/7	4.0	1.073668	4.0	1137350.0	0.268417	Y
5	IC 480-569943/8	8.0	2.183578	4.0	1171369.0	0.272947	Y
6	IC 480-569943/9	12.0	3.27723	4.0	1175301.0	0.273103	Y
7	IC 480-569943/10	16.0	4.405738	4.0	1166162.0	0.275359	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

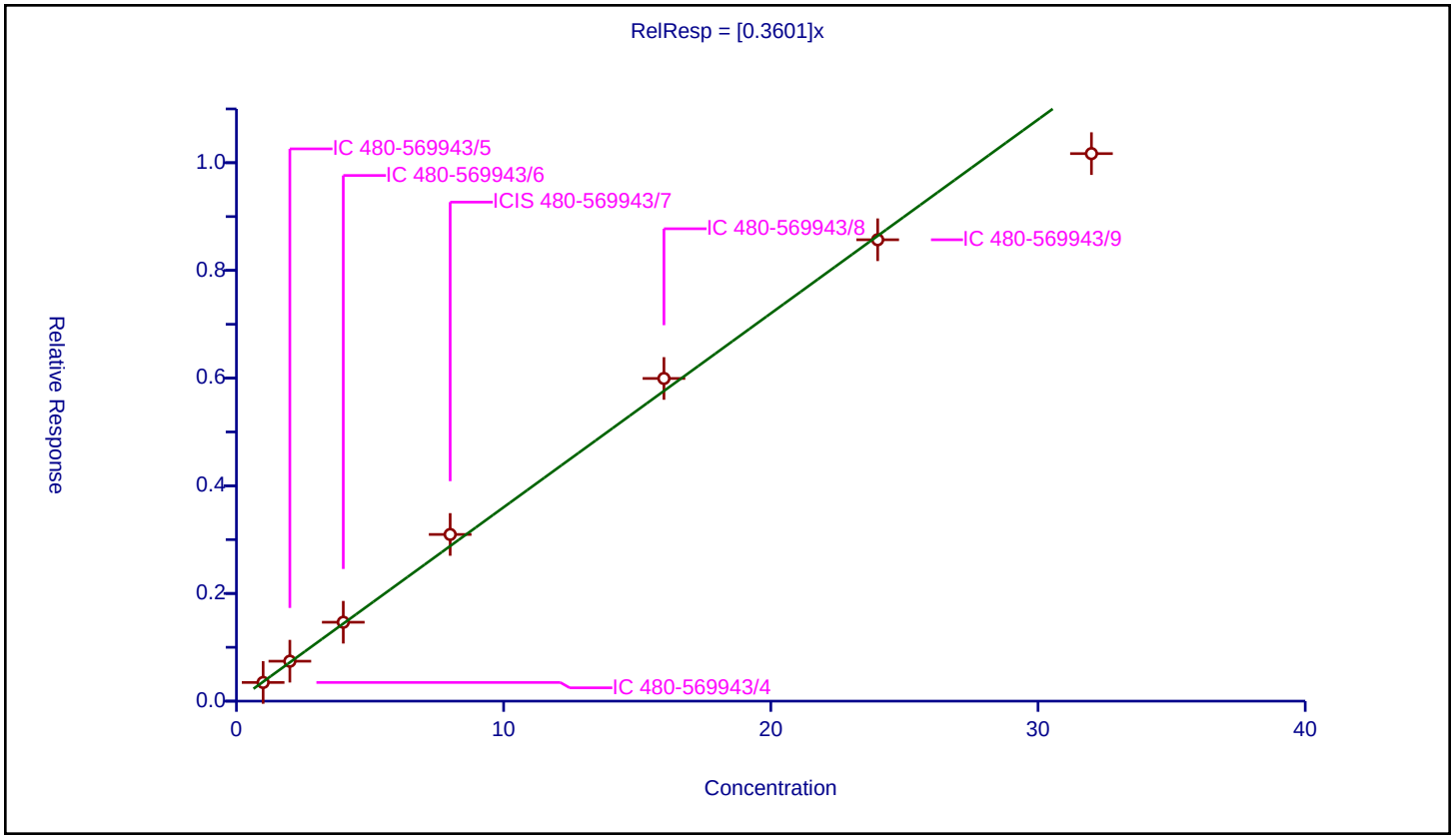
Curve Coefficients

Intercept:	0
Slope:	0.3601

Error Coefficients

Standard Error:	968000
Relative Standard Error:	6.3
Correlation Coefficient:	0.986
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	1.0	0.346825	4.0	641995.0	0.346825	Y
2	IC 480-569943/5	2.0	0.741857	4.0	604623.0	0.370929	Y
3	IC 480-569943/6	4.0	1.465308	4.0	619168.0	0.366327	Y
4	ICIS 480-569943/7	8.0	3.095938	4.0	637244.0	0.386992	Y
5	IC 480-569943/8	16.0	5.993146	4.0	656514.0	0.374572	Y
6	IC 480-569943/9	24.0	8.569434	4.0	629285.0	0.35706	Y
7	IC 480-569943/10	32.0	10.169404	4.0	625523.0	0.317794	Y



Calibration / n-Octadecane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

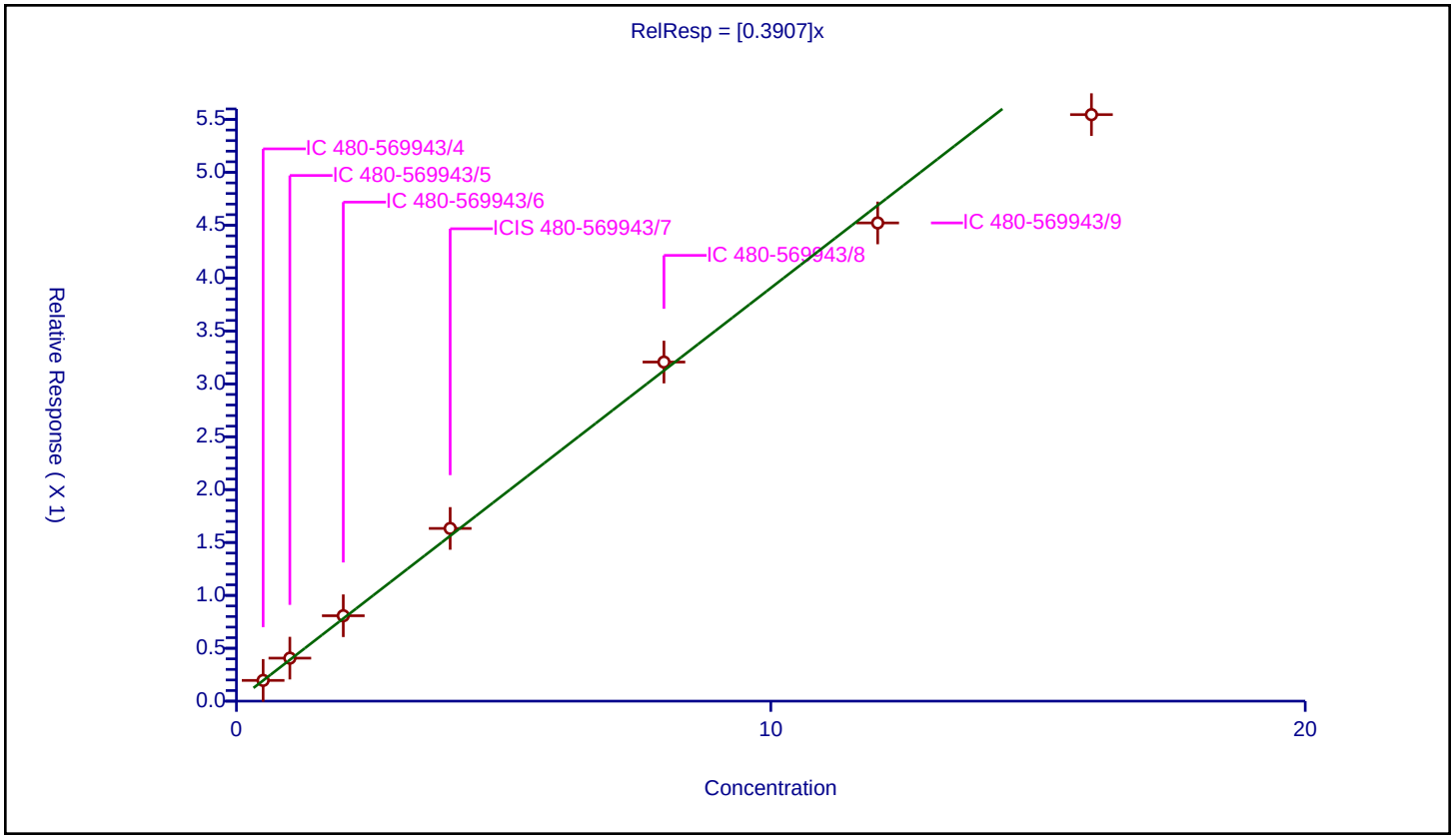
Curve Coefficients

Intercept:	0
Slope:	0.3907

Error Coefficients

Standard Error:	961000
Relative Standard Error:	5.7
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.195987	4.0	1143319.0	0.391975	Y
2	IC 480-569943/5	1.0	0.406483	4.0	1063435.0	0.406483	Y
3	IC 480-569943/6	2.0	0.807462	4.0	1100158.0	0.403731	Y
4	ICIS 480-569943/7	4.0	1.633161	4.0	1137350.0	0.40829	Y
5	IC 480-569943/8	8.0	3.206347	4.0	1171369.0	0.400793	Y
6	IC 480-569943/9	12.0	4.521752	4.0	1175301.0	0.376813	Y
7	IC 480-569943/10	16.0	5.545929	4.0	1166162.0	0.346621	Y



Calibration / Pentachlorophenol

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

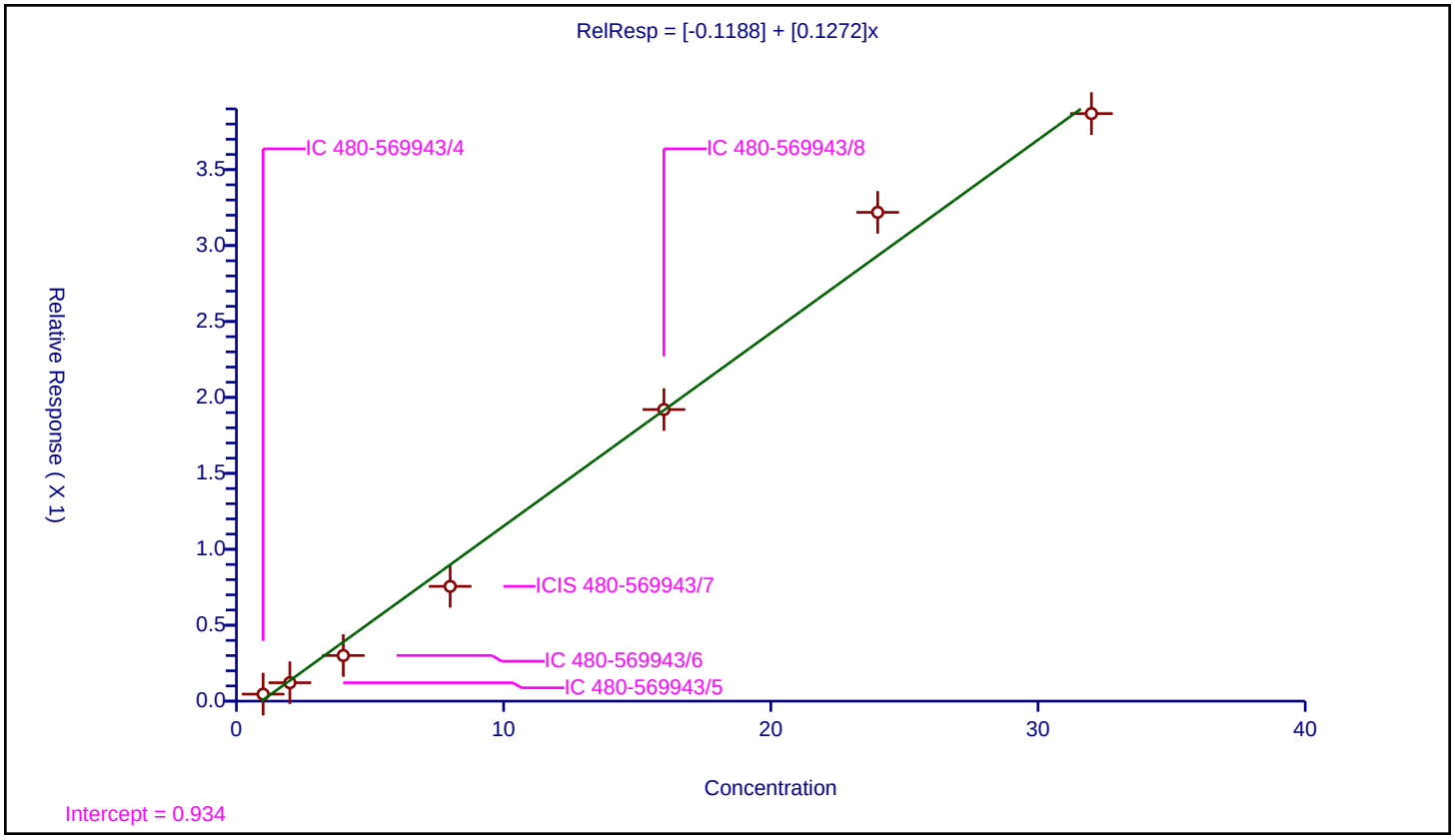
Curve Coefficients

Intercept:	-0.1188
Slope:	0.1272

Error Coefficients

Standard Error:	712000
Relative Standard Error:	17.4
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	1.0	0.046006	4.0	1143319.0	0.046006	Y
2	IC 480-569943/5	2.0	0.121271	4.0	1063435.0	0.060636	Y
3	IC 480-569943/6	4.0	0.30047	4.0	1100158.0	0.075117	Y
4	ICIS 480-569943/7	8.0	0.755855	4.0	1137350.0	0.094482	Y
5	IC 480-569943/8	16.0	1.92017	4.0	1171369.0	0.120011	Y
6	IC 480-569943/9	24.0	3.21874	4.0	1175301.0	0.134114	Y
7	IC 480-569943/10	32.0	3.869116	4.0	1166162.0	0.12091	Y



Calibration / Phenanthrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

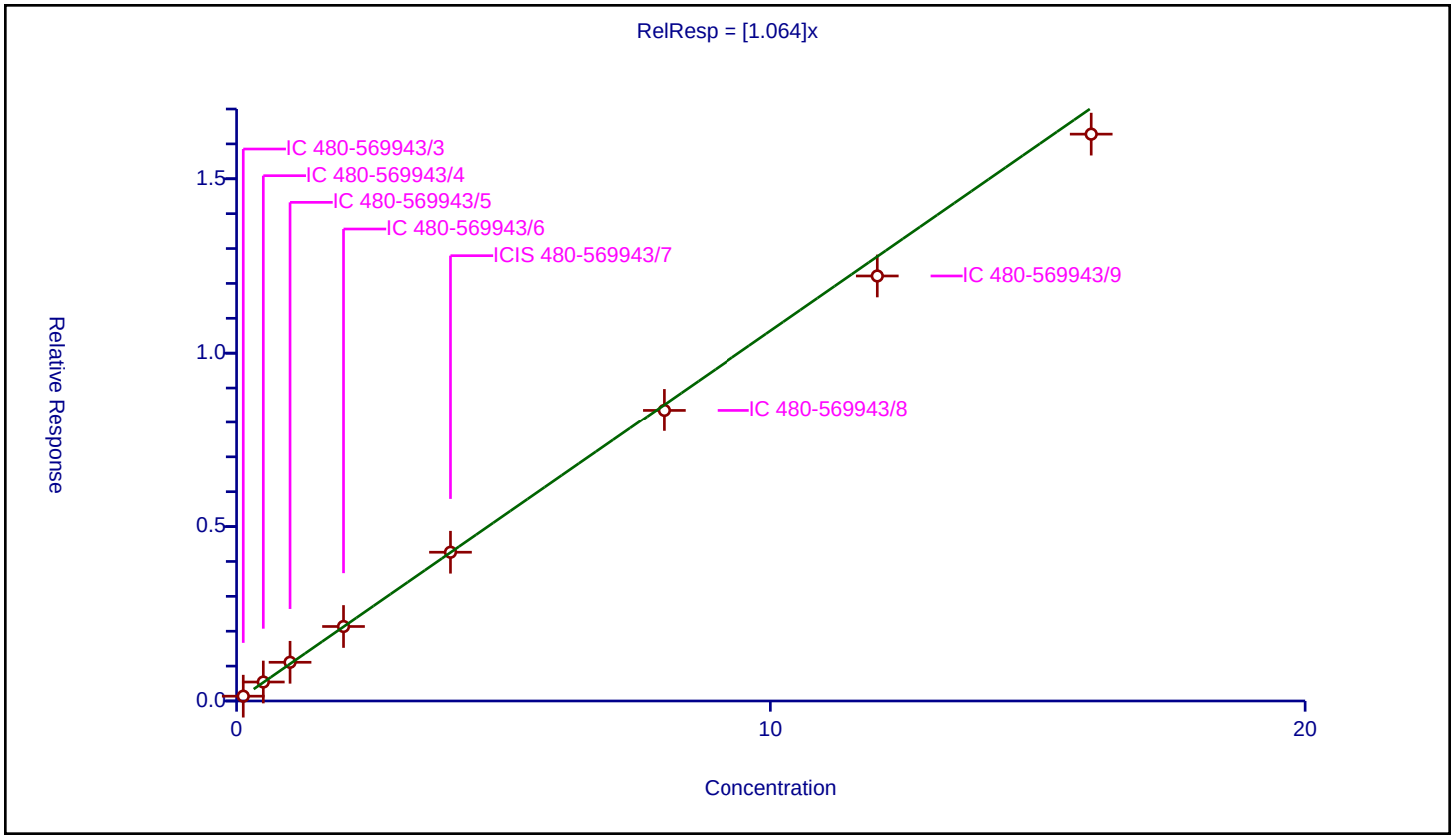
Curve Coefficients

Intercept:	0
Slope:	1.064

Error Coefficients

Standard Error:	2490000
Relative Standard Error:	3.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/3	0.125	0.137746	4.0	1008380.0	1.101966	Y
2	IC 480-569943/4	0.5	0.544135	4.0	1143319.0	1.08827	Y
3	IC 480-569943/5	1.0	1.109616	4.0	1063435.0	1.109616	Y
4	IC 480-569943/6	2.0	2.135602	4.0	1100158.0	1.067801	Y
5	ICIS 480-569943/7	4.0	4.26483	4.0	1137350.0	1.066207	Y
6	IC 480-569943/8	8.0	8.359111	4.0	1171369.0	1.044889	Y
7	IC 480-569943/9	12.0	12.213249	4.0	1175301.0	1.017771	Y
8	IC 480-569943/10	16.0	16.279632	4.0	1166162.0	1.017477	Y



Calibration / Anthracene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

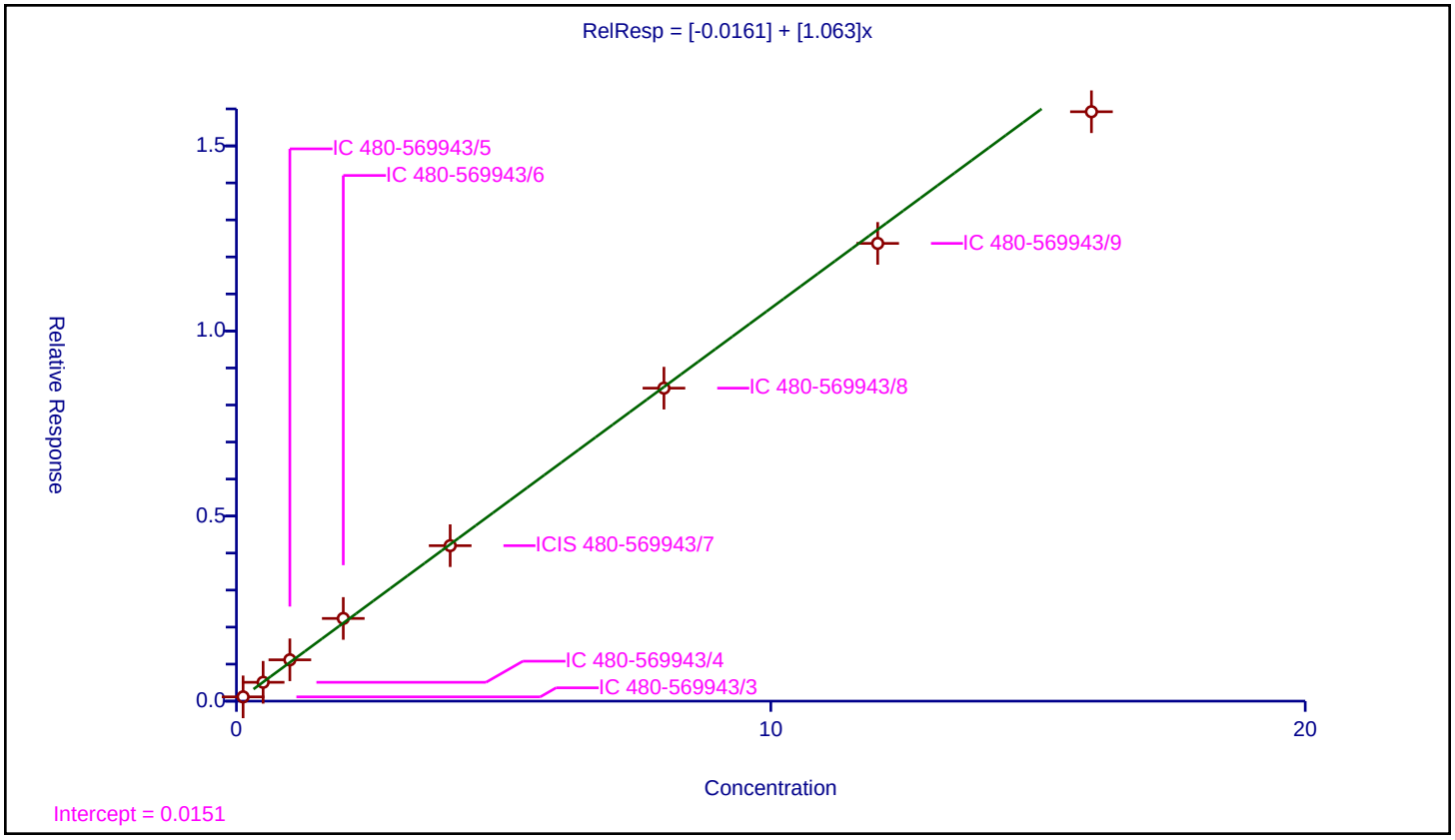
Curve Coefficients

Intercept:	-0.0161
Slope:	1.063

Error Coefficients

Standard Error:	2670000
Relative Standard Error:	4.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/3	0.125	0.115738	4.0	1008380.0	0.925905	Y
2	IC 480-569943/4	0.5	0.50924	4.0	1143319.0	1.01848	Y
3	IC 480-569943/5	1.0	1.116315	4.0	1063435.0	1.116315	Y
4	IC 480-569943/6	2.0	2.233901	4.0	1100158.0	1.11695	Y
5	ICIS 480-569943/7	4.0	4.200164	4.0	1137350.0	1.050041	Y
6	IC 480-569943/8	8.0	8.455952	4.0	1171369.0	1.056994	Y
7	IC 480-569943/9	12.0	12.366548	4.0	1175301.0	1.030546	Y
8	IC 480-569943/10	16.0	15.923002	4.0	1166162.0	0.995188	Y



Calibration / Carbazole

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

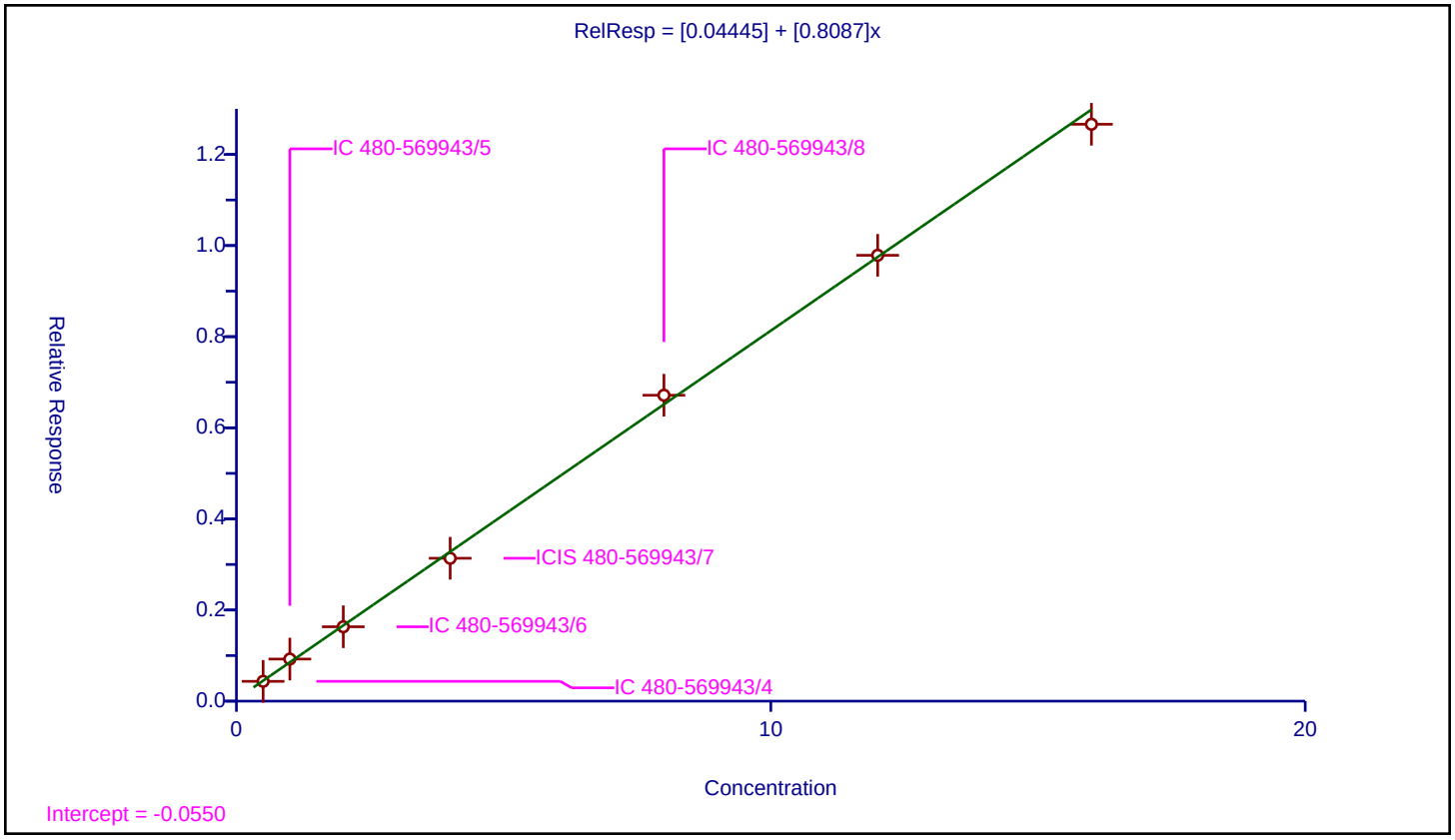
Curve Coefficients

Intercept:	0.04445
Slope:	0.8087

Error Coefficients

Standard Error:	2320000
Relative Standard Error:	5.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.434678	4.0	1143319.0	0.869357	Y
2	IC 480-569943/5	1.0	0.923882	4.0	1063435.0	0.923882	Y
3	IC 480-569943/6	2.0	1.632645	4.0	1100158.0	0.816323	Y
4	ICIS 480-569943/7	4.0	3.136009	4.0	1137350.0	0.784002	Y
5	IC 480-569943/8	8.0	6.714444	4.0	1171369.0	0.839306	Y
6	IC 480-569943/9	12.0	9.786351	4.0	1175301.0	0.815529	Y
7	IC 480-569943/10	16.0	12.662865	4.0	1166162.0	0.791429	Y



Calibration / Di-n-butyl phthalate

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

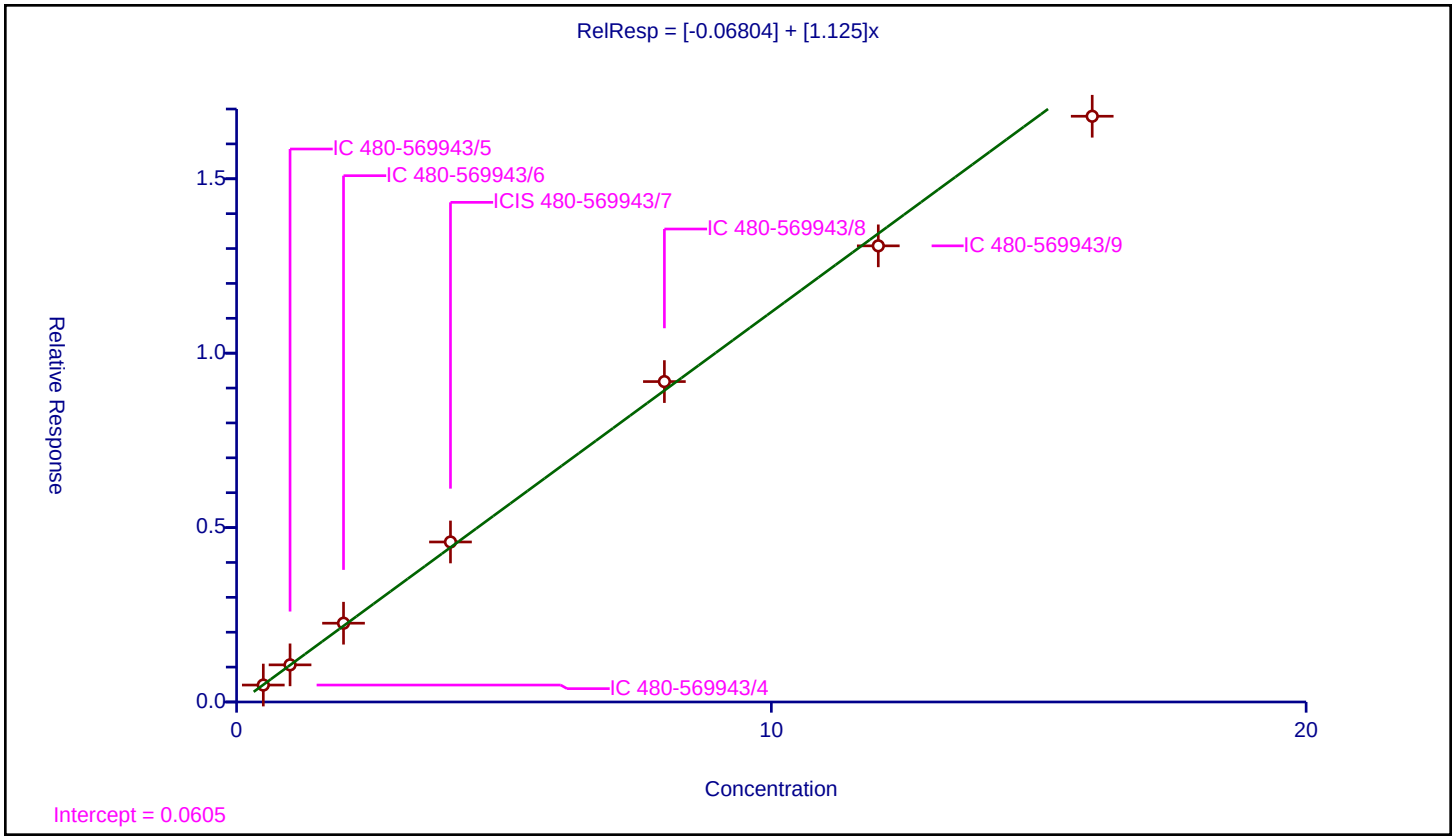
Curve Coefficients

Intercept:	-0.06804
Slope:	1.125

Error Coefficients

Standard Error:	3100000
Relative Standard Error:	4.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.485856	4.0	1143319.0	0.971711	Y
2	IC 480-569943/5	1.0	1.064618	4.0	1063435.0	1.064618	Y
3	IC 480-569943/6	2.0	2.258625	4.0	1100158.0	1.129312	Y
4	ICIS 480-569943/7	4.0	4.58714	4.0	1137350.0	1.146785	Y
5	IC 480-569943/8	8.0	9.18572	4.0	1171369.0	1.148215	Y
6	IC 480-569943/9	12.0	13.077613	4.0	1175301.0	1.089801	Y
7	IC 480-569943/10	16.0	16.792593	4.0	1166162.0	1.049537	Y



Calibration / Fluoranthene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

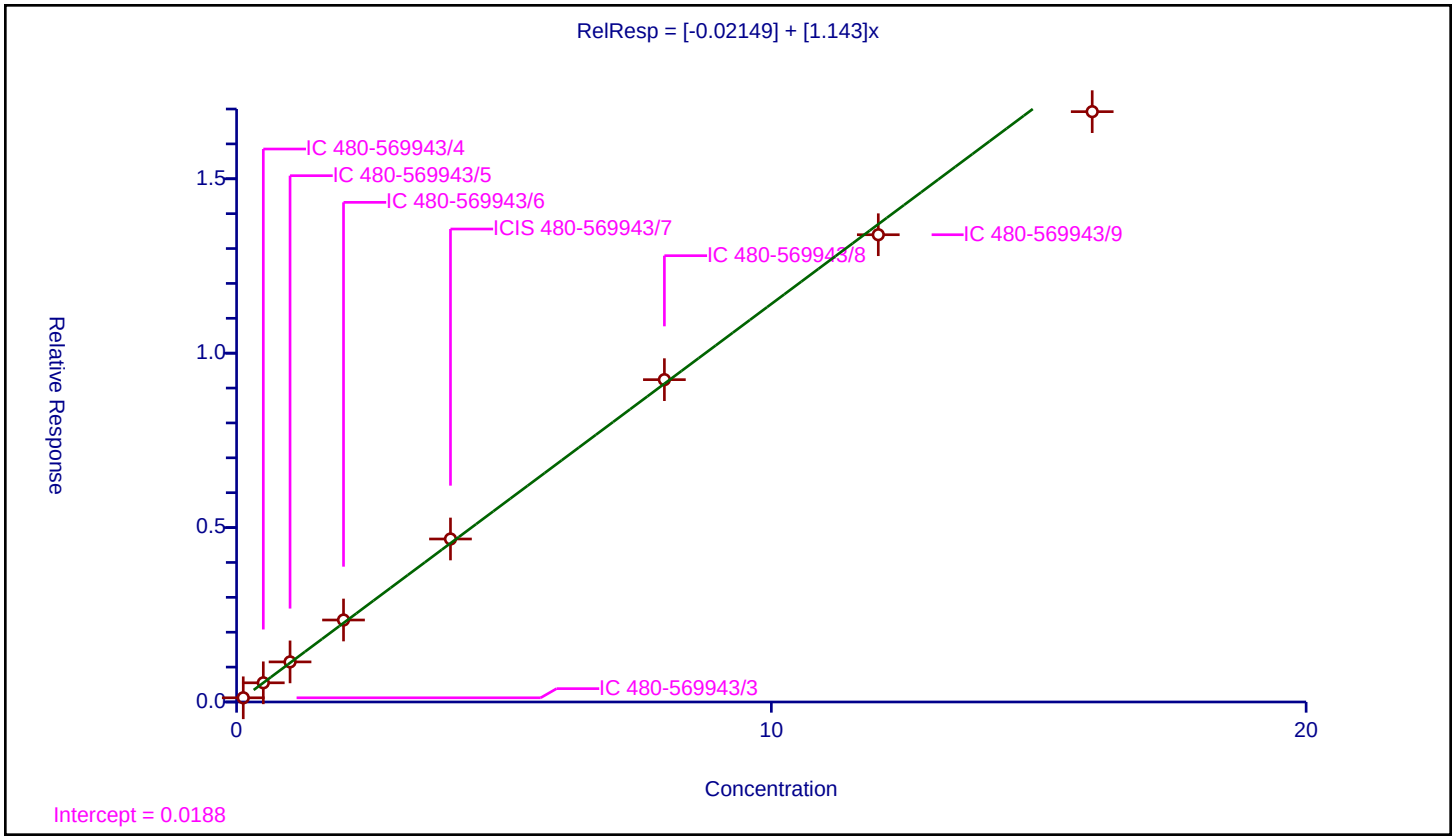
Curve Coefficients

Intercept:	-0.02149
Slope:	1.143

Error Coefficients

Standard Error:	2870000
Relative Standard Error:	3.8
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/3	0.125	0.120609	4.0	1008380.0	0.964874	Y
2	IC 480-569943/4	0.5	0.550384	4.0	1143319.0	1.100767	Y
3	IC 480-569943/5	1.0	1.149133	4.0	1063435.0	1.149133	Y
4	IC 480-569943/6	2.0	2.350775	4.0	1100158.0	1.175388	Y
5	ICIS 480-569943/7	4.0	4.673168	4.0	1137350.0	1.168292	Y
6	IC 480-569943/8	8.0	9.241276	4.0	1171369.0	1.155159	Y
7	IC 480-569943/9	12.0	13.396078	4.0	1175301.0	1.11634	Y
8	IC 480-569943/10	16.0	16.924352	4.0	1166162.0	1.057772	Y



Calibration / Benzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

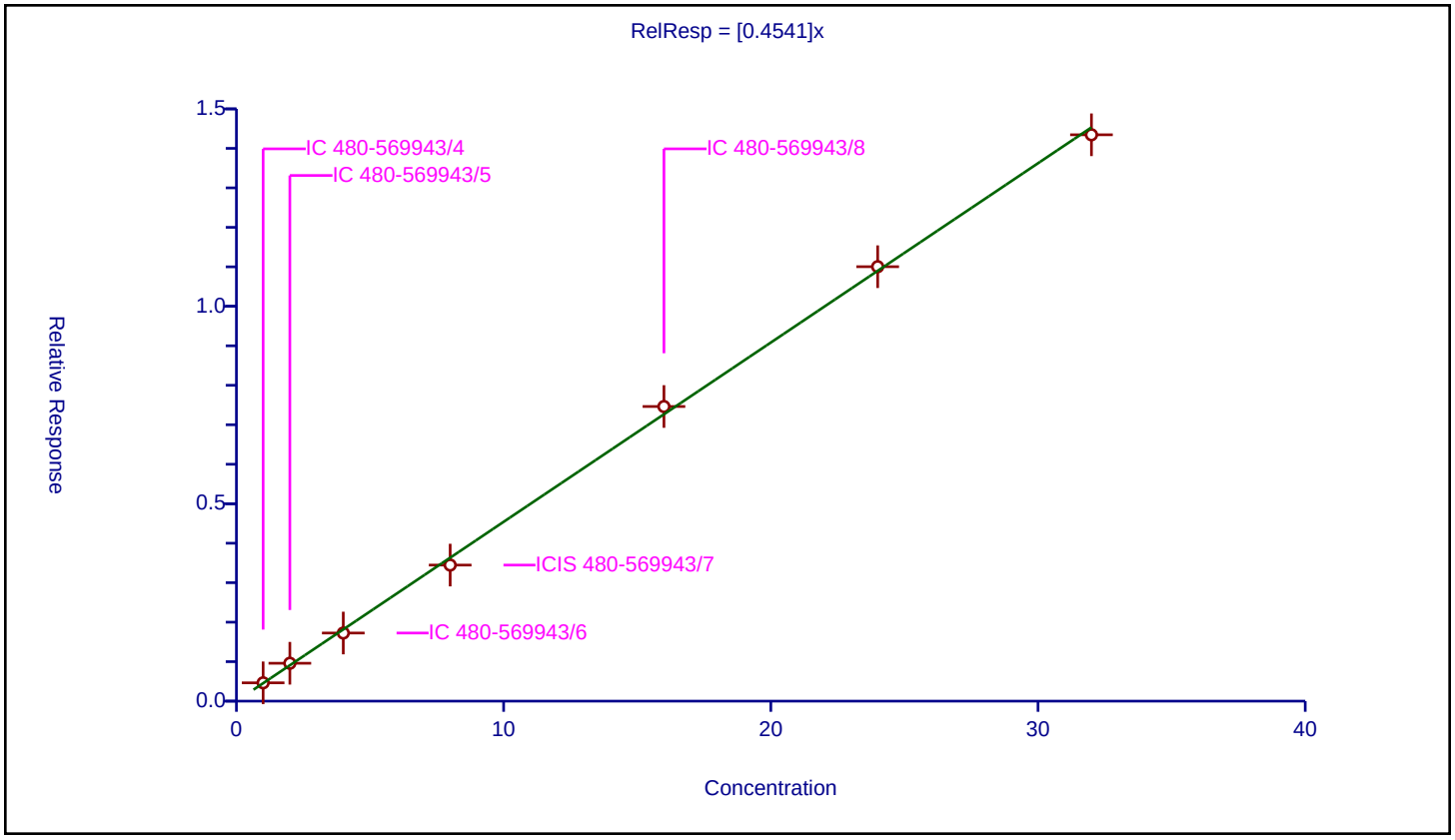
Curve Coefficients

Intercept:	0
Slope:	0.4541

Error Coefficients

Standard Error:	2210000
Relative Standard Error:	4.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	1.0	0.463814	4.0	1060451.0	0.463814	Y
2	IC 480-569943/5	2.0	0.959593	4.0	984772.0	0.479796	Y
3	IC 480-569943/6	4.0	1.725033	4.0	1052891.0	0.431258	Y
4	ICIS 480-569943/7	8.0	3.44613	4.0	1076303.0	0.430766	Y
5	IC 480-569943/8	16.0	7.462049	4.0	1119358.0	0.466378	Y
6	IC 480-569943/9	24.0	11.003245	4.0	1084479.0	0.458469	Y
7	IC 480-569943/10	32.0	14.344317	4.0	1080185.0	0.44826	Y



Calibration / Pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

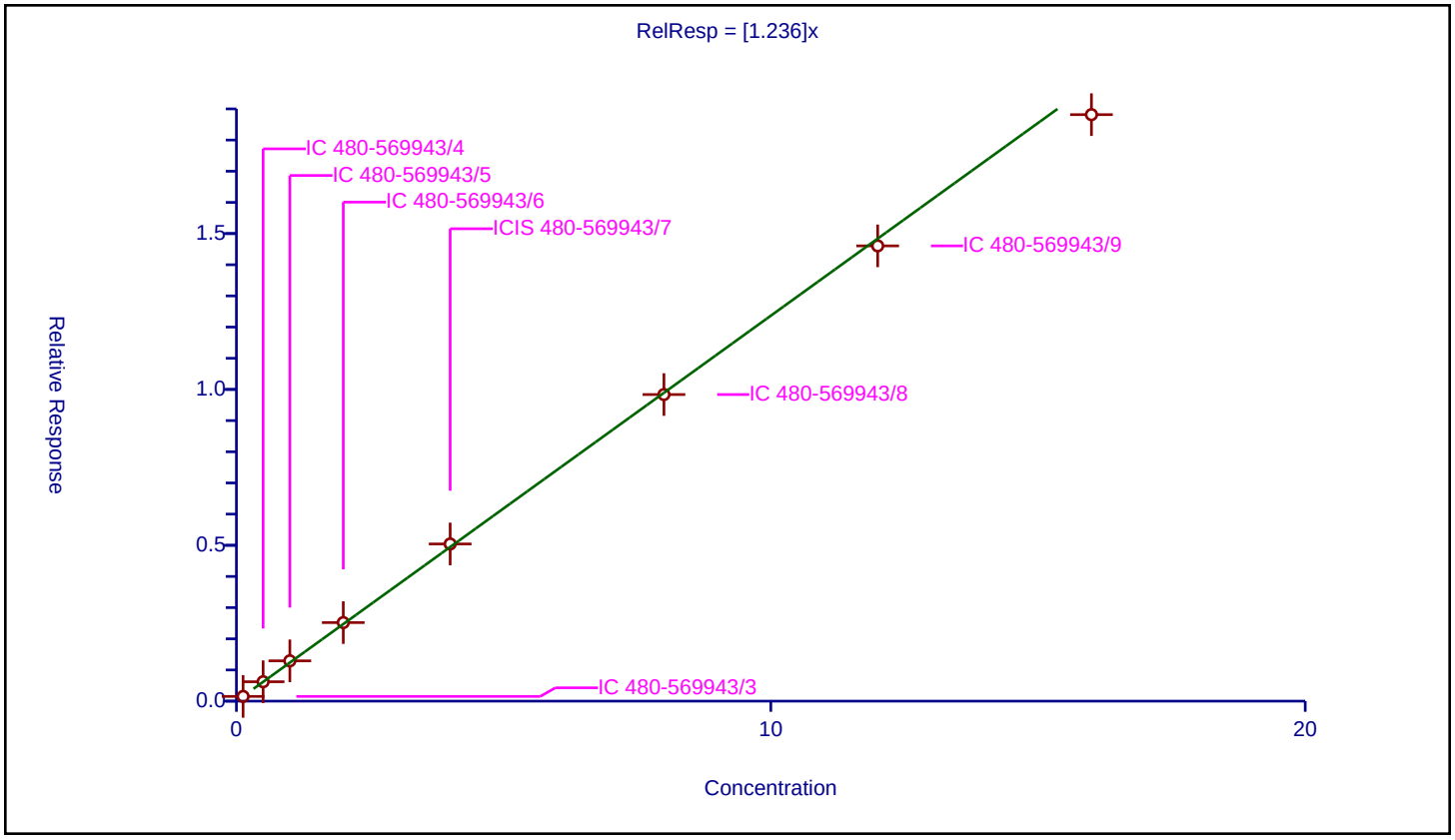
Curve Coefficients

Intercept:	0
Slope:	1.236

Error Coefficients

Standard Error:	2710000
Relative Standard Error:	2.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/3	0.125	0.151332	4.0	903974.0	1.210654	Y
2	IC 480-569943/4	0.5	0.62212	4.0	1060451.0	1.24424	Y
3	IC 480-569943/5	1.0	1.293575	4.0	984772.0	1.293575	Y
4	IC 480-569943/6	2.0	2.520242	4.0	1052891.0	1.260121	Y
5	ICIS 480-569943/7	4.0	5.042684	4.0	1076303.0	1.260671	Y
6	IC 480-569943/8	8.0	9.835745	4.0	1119358.0	1.229468	Y
7	IC 480-569943/9	12.0	14.605244	4.0	1084479.0	1.217104	Y
8	IC 480-569943/10	16.0	18.815492	4.0	1080185.0	1.175968	Y



Calibration / p-Terphenyl-d14

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

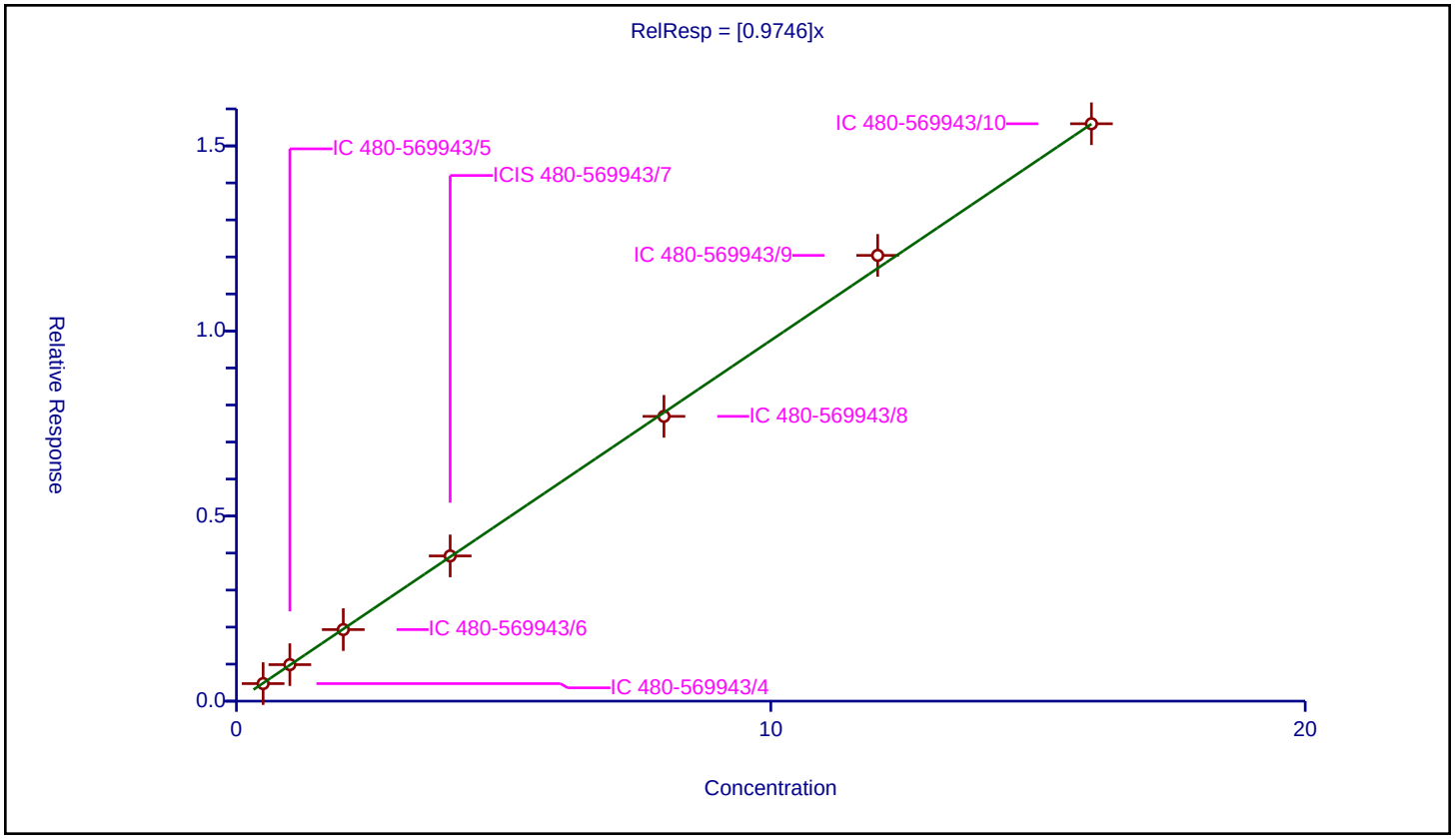
Curve Coefficients

Intercept:	0
Slope:	0.9746

Error Coefficients

Standard Error:	2400000
Relative Standard Error:	1.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.474074	4.0	1060451.0	0.948148	Y
2	IC 480-569943/5	1.0	0.986389	4.0	984772.0	0.986389	Y
3	IC 480-569943/6	2.0	1.932724	4.0	1052891.0	0.966362	Y
4	ICIS 480-569943/7	4.0	3.923419	4.0	1076303.0	0.980855	Y
5	IC 480-569943/8	8.0	7.693878	4.0	1119358.0	0.961735	Y
6	IC 480-569943/9	12.0	12.042745	4.0	1084479.0	1.003562	Y
7	IC 480-569943/10	16.0	15.598647	4.0	1080185.0	0.974915	Y



Calibration / Butyl benzyl phthalate

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

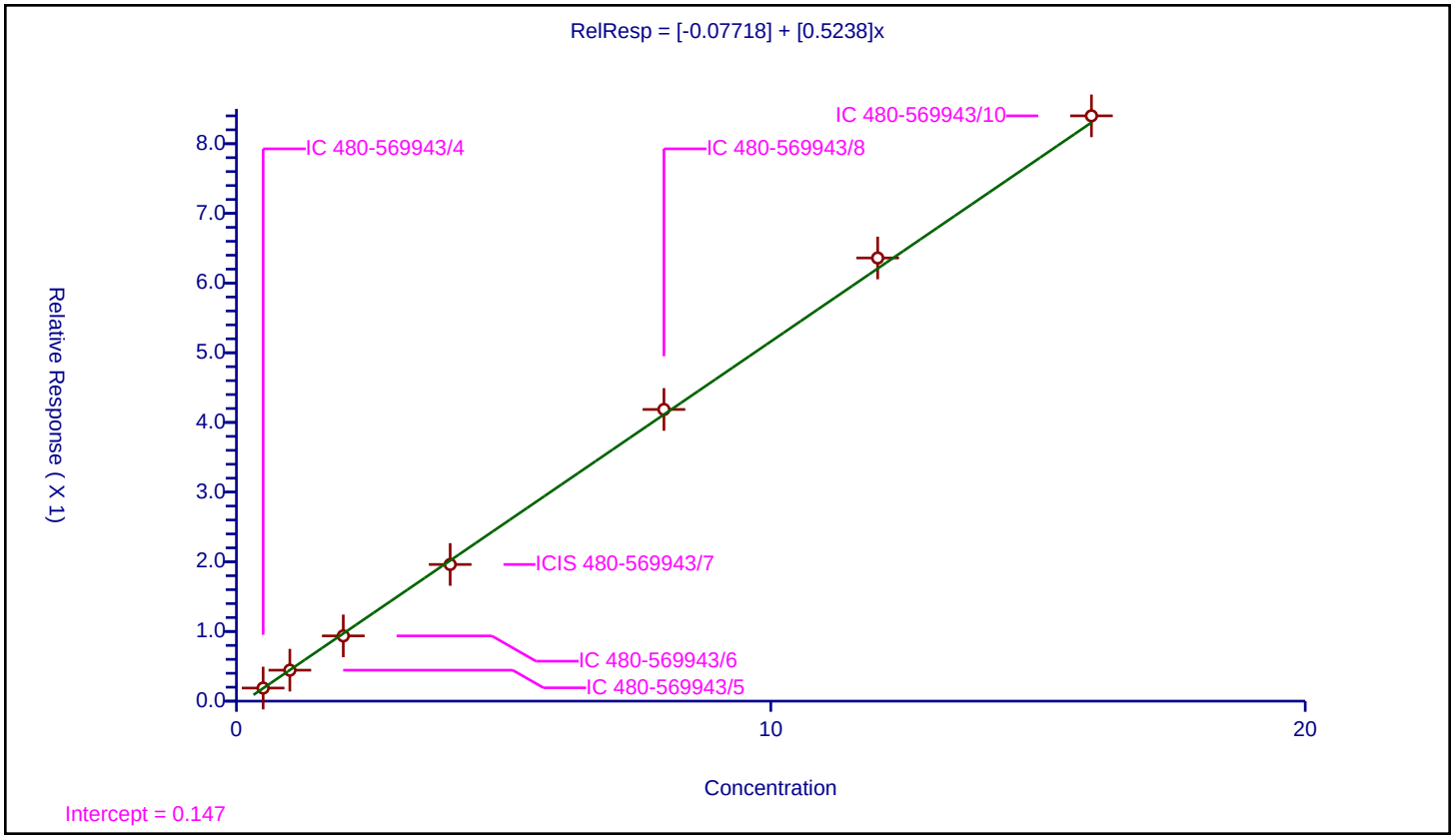
Curve Coefficients

Intercept:	-0.07718
Slope:	0.5238

Error Coefficients

Standard Error:	1400000
Relative Standard Error:	2.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.187713	4.0	1060451.0	0.375425	Y
2	IC 480-569943/5	1.0	0.444302	4.0	984772.0	0.444302	Y
3	IC 480-569943/6	2.0	0.936363	4.0	1052891.0	0.468181	Y
4	ICIS 480-569943/7	4.0	1.961366	4.0	1076303.0	0.490341	Y
5	IC 480-569943/8	8.0	4.186092	4.0	1119358.0	0.523262	Y
6	IC 480-569943/9	12.0	6.360474	4.0	1084479.0	0.530039	Y
7	IC 480-569943/10	16.0	8.400202	4.0	1080185.0	0.525013	Y



Calibration / Bis(2-ethylhexyl) phthalate

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

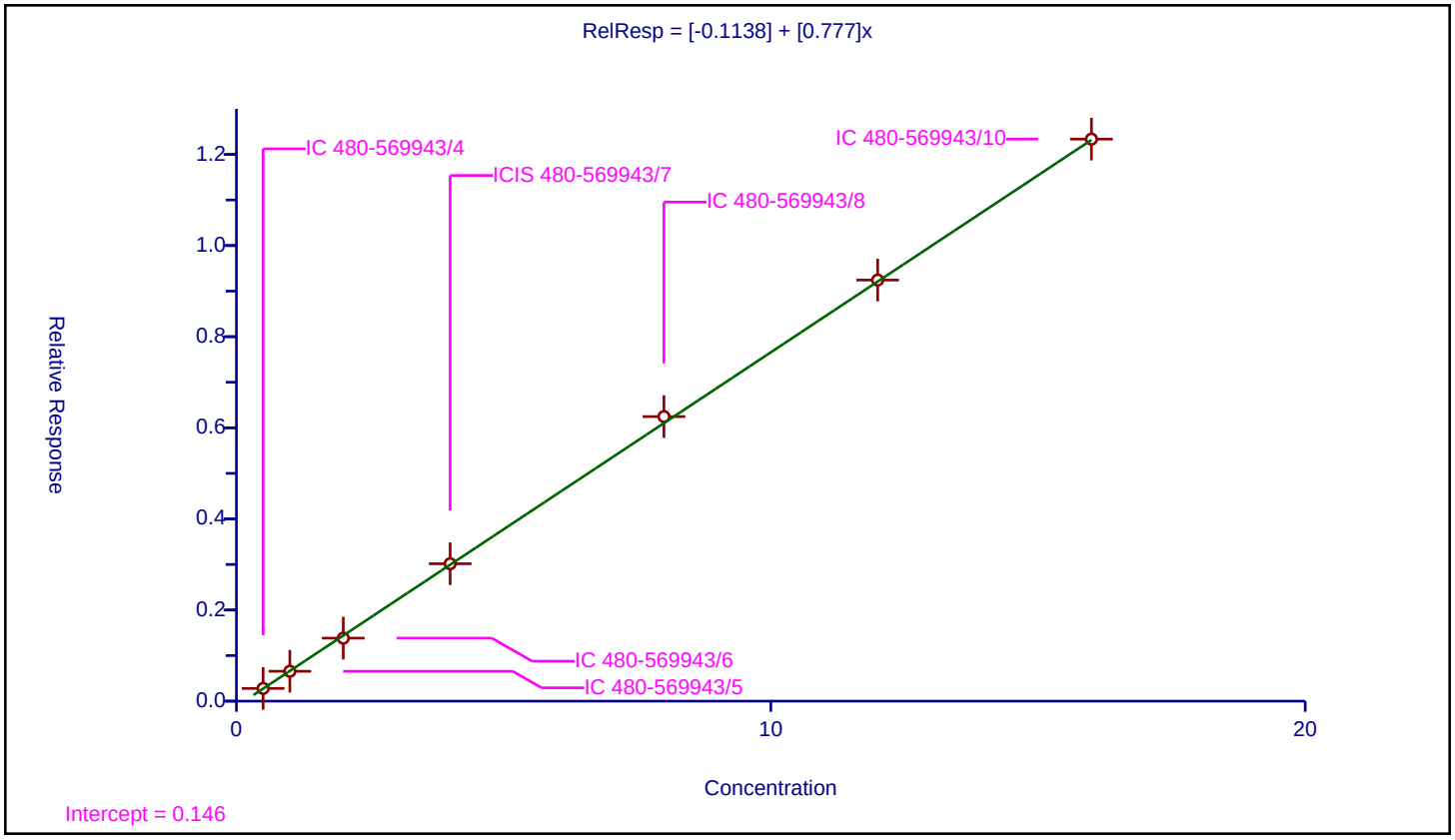
Curve Coefficients

Intercept:	-0.1138
Slope:	0.777

Error Coefficients

Standard Error:	2060000
Relative Standard Error:	2.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.279228	4.0	1060451.0	0.558457	Y
2	IC 480-569943/5	1.0	0.65549	4.0	984772.0	0.65549	Y
3	IC 480-569943/6	2.0	1.383159	4.0	1052891.0	0.69158	Y
4	ICIS 480-569943/7	4.0	3.016314	4.0	1076303.0	0.754079	Y
5	IC 480-569943/8	8.0	6.245952	4.0	1119358.0	0.780744	Y
6	IC 480-569943/9	12.0	9.242458	4.0	1084479.0	0.770205	Y
7	IC 480-569943/10	16.0	12.336616	4.0	1080185.0	0.771039	Y



Calibration / 3,3'-Dichlorobenzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

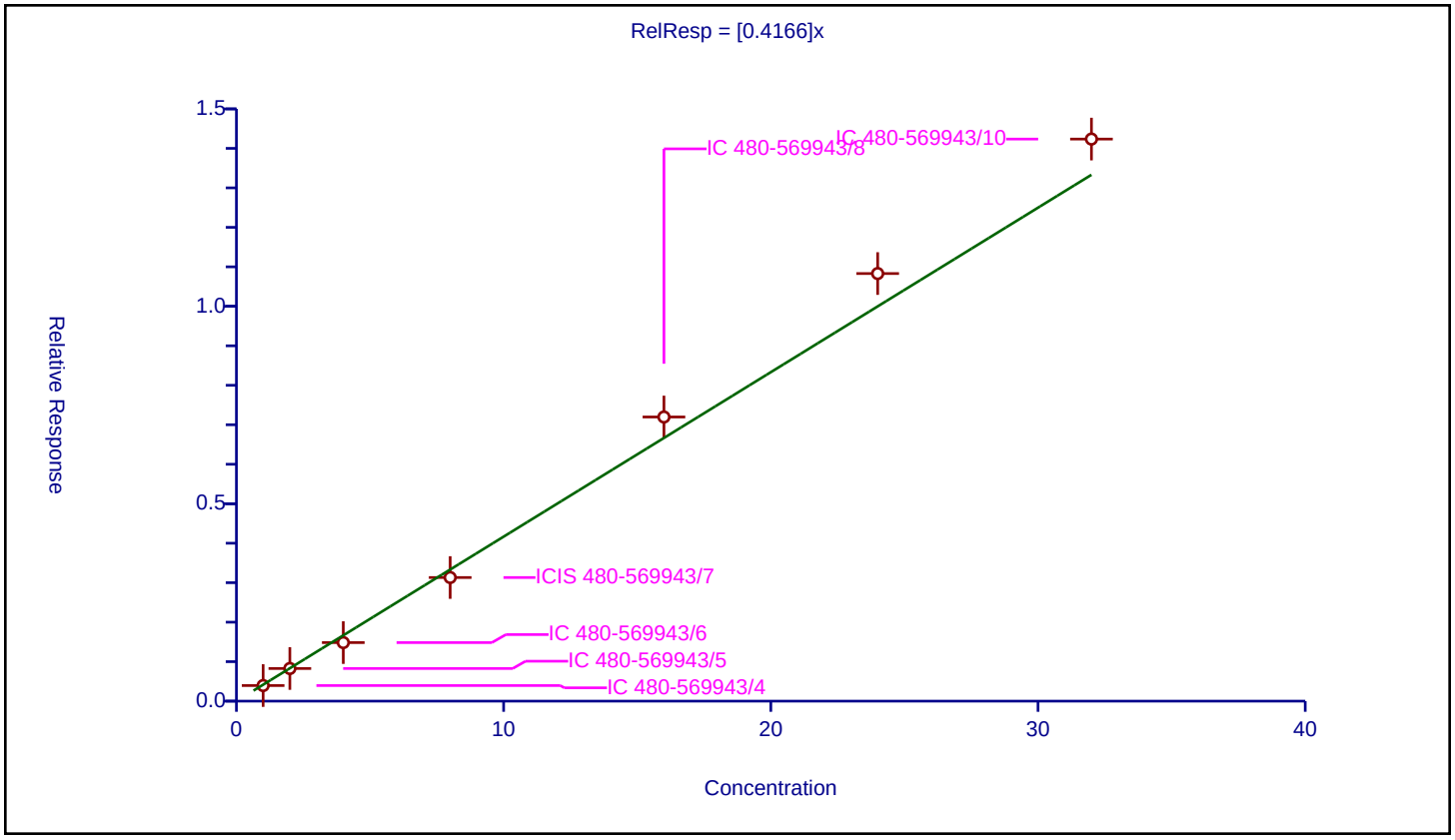
Curve Coefficients

Intercept:	0
Slope:	0.4166

Error Coefficients

Standard Error:	2170000
Relative Standard Error:	7.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	1.0	0.394726	4.0	1060451.0	0.394726	Y
2	IC 480-569943/5	2.0	0.826807	4.0	984772.0	0.413403	Y
3	IC 480-569943/6	4.0	1.482968	4.0	1052891.0	0.370742	Y
4	ICIS 480-569943/7	8.0	3.130721	4.0	1076303.0	0.39134	Y
5	IC 480-569943/8	16.0	7.196314	4.0	1119358.0	0.44977	Y
6	IC 480-569943/9	24.0	10.829857	4.0	1084479.0	0.451244	Y
7	IC 480-569943/10	32.0	14.23575	4.0	1080185.0	0.444867	Y



Calibration / Benzo[a]anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

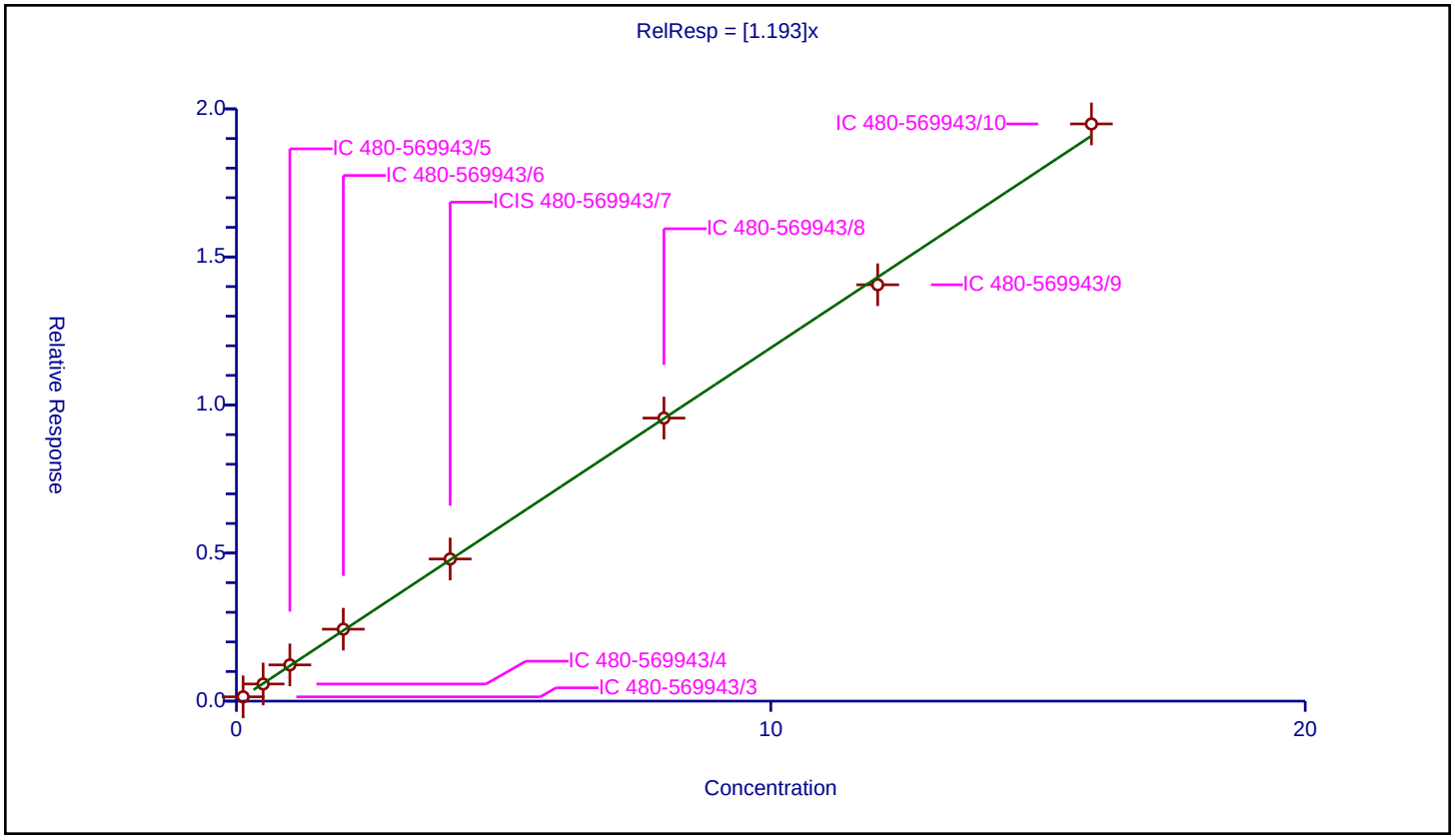
Curve Coefficients

Intercept:	0
Slope:	1.193

Error Coefficients

Standard Error:	2710000
Relative Standard Error:	2.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/3	0.125	0.145456	4.0	903974.0	1.163644	Y
2	IC 480-569943/4	0.5	0.578546	4.0	1060451.0	1.157093	Y
3	IC 480-569943/5	1.0	1.223784	4.0	984772.0	1.223784	Y
4	IC 480-569943/6	2.0	2.429661	4.0	1052891.0	1.21483	Y
5	ICIS 480-569943/7	4.0	4.800919	4.0	1076303.0	1.20023	Y
6	IC 480-569943/8	8.0	9.558911	4.0	1119358.0	1.194864	Y
7	IC 480-569943/9	12.0	14.060794	4.0	1084479.0	1.171733	Y
8	IC 480-569943/10	16.0	19.49248	4.0	1080185.0	1.21828	Y



Calibration / Chrysene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

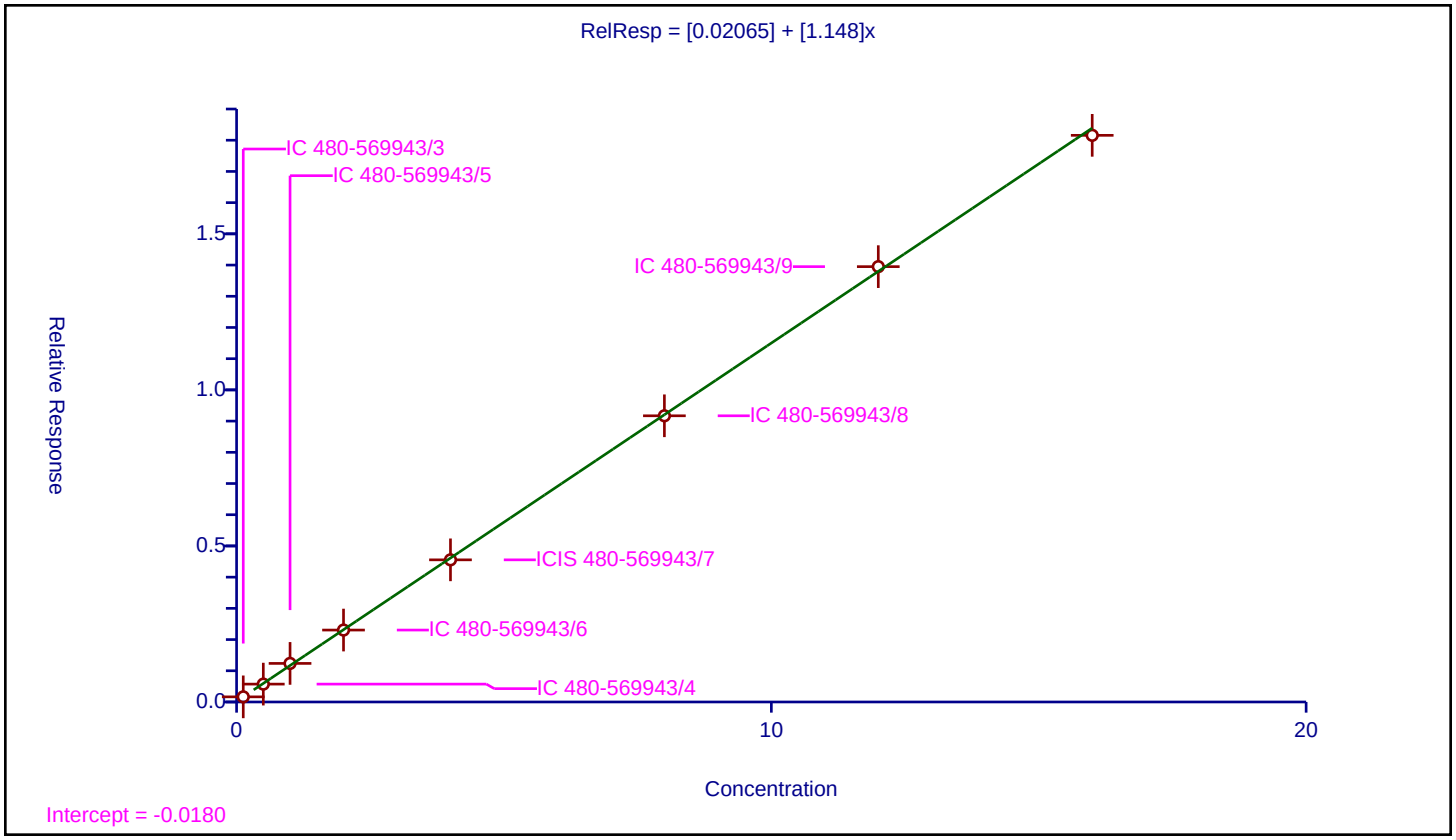
Curve Coefficients

Intercept:	0.02065
Slope:	1.148

Error Coefficients

Standard Error:	2800000
Relative Standard Error:	3.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/3	0.125	0.164593	4.0	903974.0	1.316746	Y
2	IC 480-569943/4	0.5	0.572613	4.0	1060451.0	1.145226	Y
3	IC 480-569943/5	1.0	1.236042	4.0	984772.0	1.236042	Y
4	IC 480-569943/6	2.0	2.304725	4.0	1052891.0	1.152362	Y
5	ICIS 480-569943/7	4.0	4.554881	4.0	1076303.0	1.13872	Y
6	IC 480-569943/8	8.0	9.170156	4.0	1119358.0	1.14627	Y
7	IC 480-569943/9	12.0	13.94905	4.0	1084479.0	1.162421	Y
8	IC 480-569943/10	16.0	18.156308	4.0	1080185.0	1.134769	Y



Calibration / Di-n-octyl phthalate

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

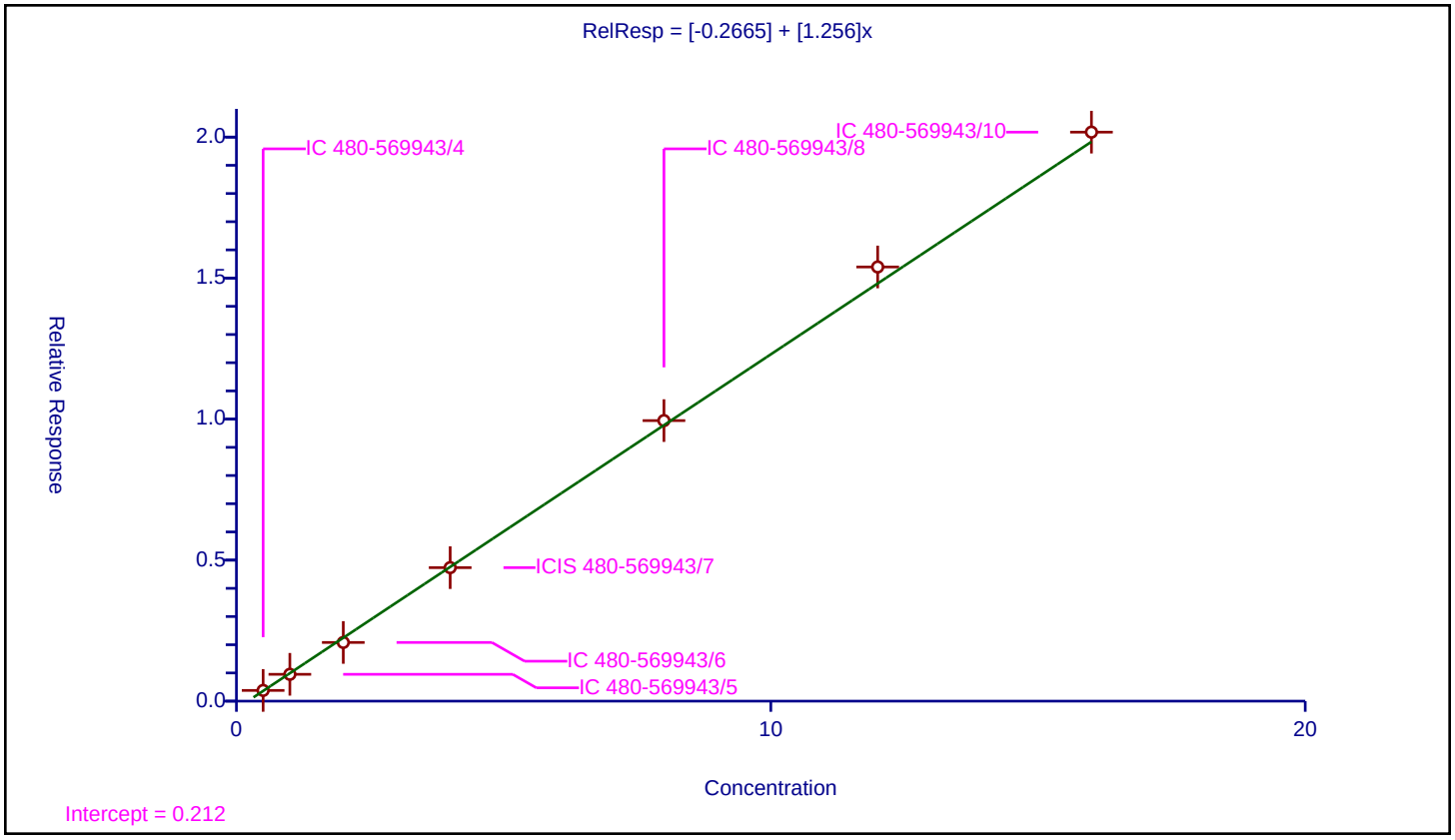
Curve Coefficients

Intercept:	-0.2665
Slope:	1.256

Error Coefficients

Standard Error:	3370000
Relative Standard Error:	4.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.380023	4.0	1060451.0	0.760046	Y
2	IC 480-569943/5	1.0	0.951177	4.0	984772.0	0.951177	Y
3	IC 480-569943/6	2.0	2.081404	4.0	1052891.0	1.040702	Y
4	ICIS 480-569943/7	4.0	4.733931	4.0	1076303.0	1.183483	Y
5	IC 480-569943/8	8.0	9.948217	4.0	1119358.0	1.243527	Y
6	IC 480-569943/9	12.0	15.394777	4.0	1084479.0	1.282898	Y
7	IC 480-569943/10	16.0	20.175855	4.0	1080185.0	1.260991	Y



Calibration / Benzo[b]fluoranthene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

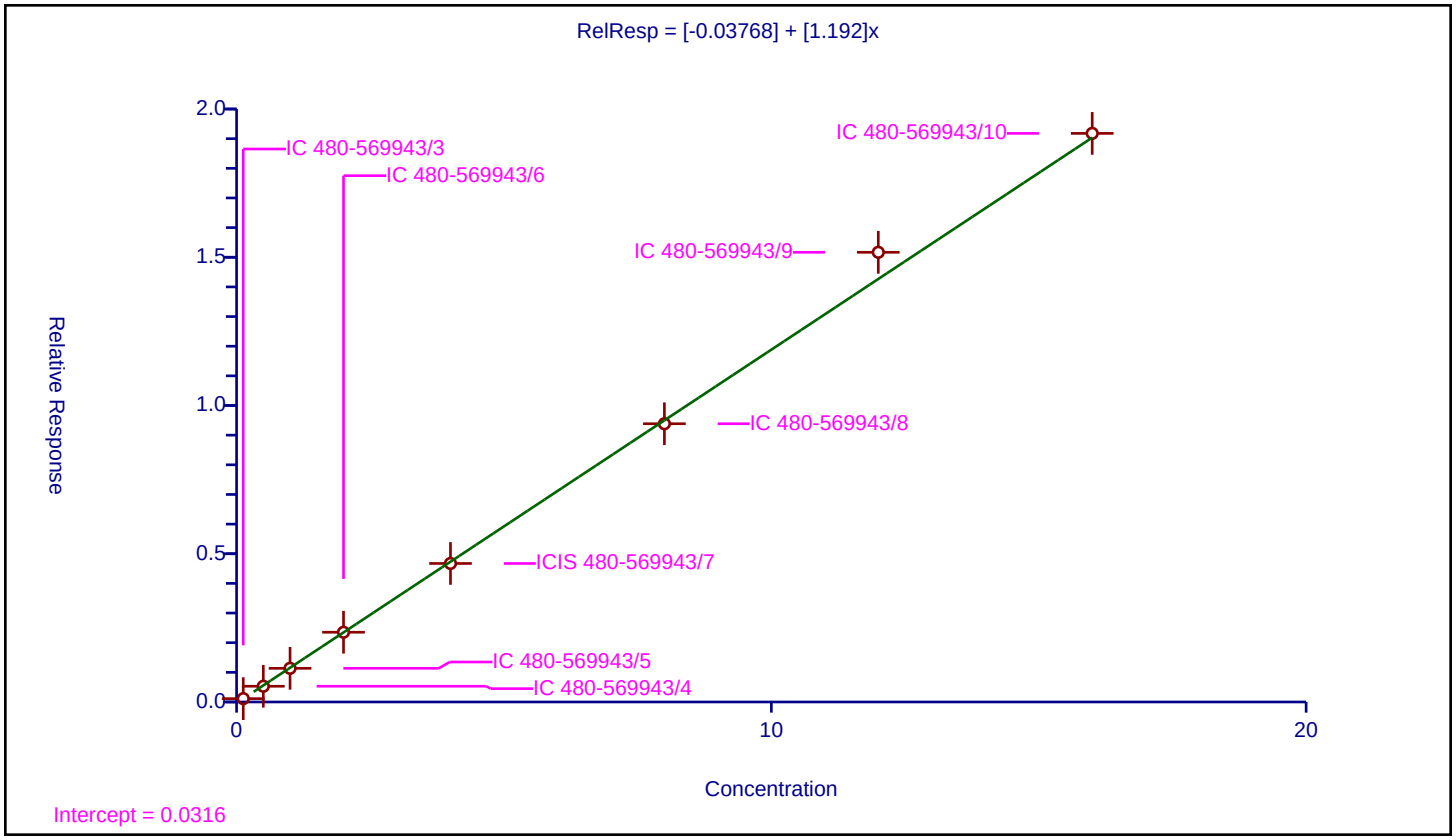
Curve Coefficients

Intercept:	-0.03768
Slope:	1.192

Error Coefficients

Standard Error:	3070000
Relative Standard Error:	3.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/3	0.125	0.113298	4.0	924571.0	0.906384	Y
2	IC 480-569943/4	0.5	0.530696	4.0	1061843.0	1.061392	Y
3	IC 480-569943/5	1.0	1.135666	4.0	988868.0	1.135666	Y
4	IC 480-569943/6	2.0	2.352375	4.0	1022179.0	1.176187	Y
5	ICIS 480-569943/7	4.0	4.671688	4.0	1077476.0	1.167922	Y
6	IC 480-569943/8	8.0	9.385429	4.0	1154011.0	1.173179	Y
7	IC 480-569943/9	12.0	15.167292	4.0	1095572.0	1.263941	Y
8	IC 480-569943/10	16.0	19.17836	4.0	1140256.0	1.198647	Y



Calibration / Benzo[k]fluoranthene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

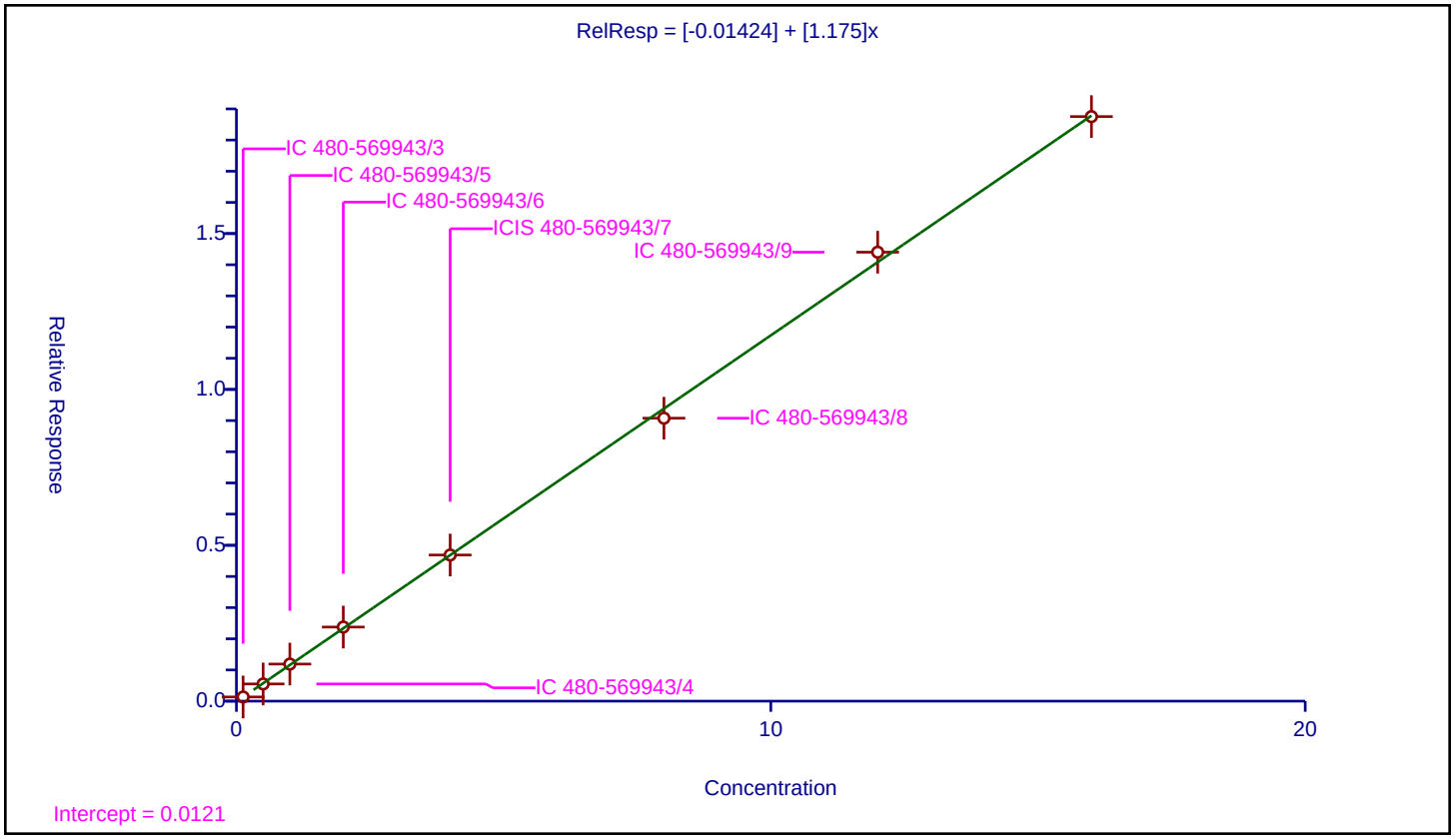
Curve Coefficients

Intercept:	-0.01424
Slope:	1.175

Error Coefficients

Standard Error:	2970000
Relative Standard Error:	2.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/3	0.125	0.133372	4.0	924571.0	1.066977	Y
2	IC 480-569943/4	0.5	0.551799	4.0	1061843.0	1.103598	Y
3	IC 480-569943/5	1.0	1.1894	4.0	988868.0	1.1894	Y
4	IC 480-569943/6	2.0	2.376805	4.0	1022179.0	1.188402	Y
5	ICIS 480-569943/7	4.0	4.687934	4.0	1077476.0	1.171983	Y
6	IC 480-569943/8	8.0	9.077487	4.0	1154011.0	1.134686	Y
7	IC 480-569943/9	12.0	14.403044	4.0	1095572.0	1.200254	Y
8	IC 480-569943/10	16.0	18.752627	4.0	1140256.0	1.172039	Y



Calibration / Benzo[a]pyrene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

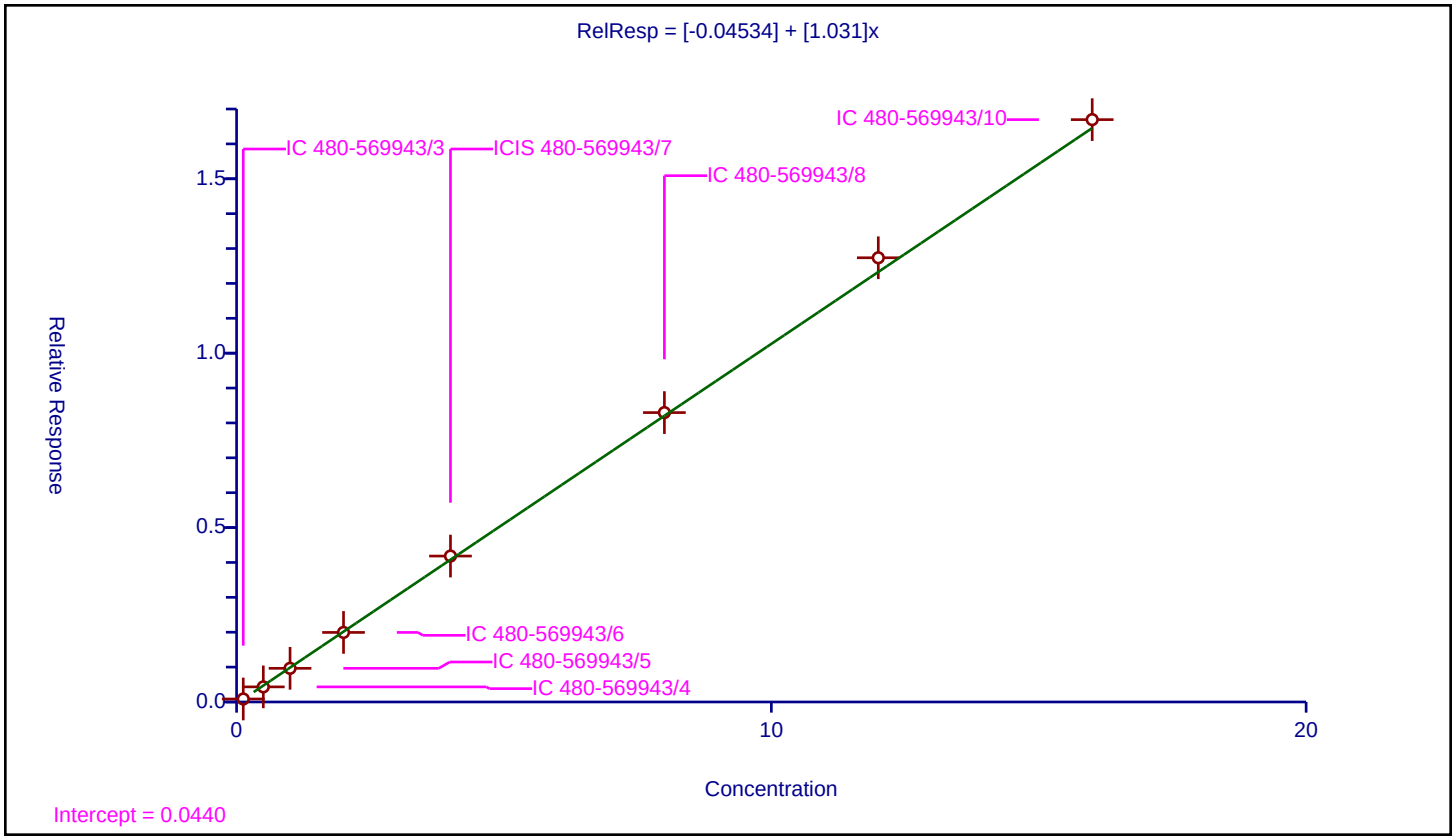
Curve Coefficients

Intercept:	-0.04534
Slope:	1.031

Error Coefficients

Standard Error:	2650000
Relative Standard Error:	3.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/3	0.125	0.086129	4.0	924571.0	0.689029	Y
2	IC 480-569943/4	0.5	0.4329	4.0	1061843.0	0.8658	Y
3	IC 480-569943/5	1.0	0.964917	4.0	988868.0	0.964917	Y
4	IC 480-569943/6	2.0	1.994066	4.0	1022179.0	0.997033	Y
5	ICIS 480-569943/7	4.0	4.183818	4.0	1077476.0	1.045955	Y
6	IC 480-569943/8	8.0	8.296548	4.0	1154011.0	1.037069	Y
7	IC 480-569943/9	12.0	12.735225	4.0	1095572.0	1.061269	Y
8	IC 480-569943/10	16.0	16.695377	4.0	1140256.0	1.043461	Y



Calibration / Dibenz(a,h)anthracene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

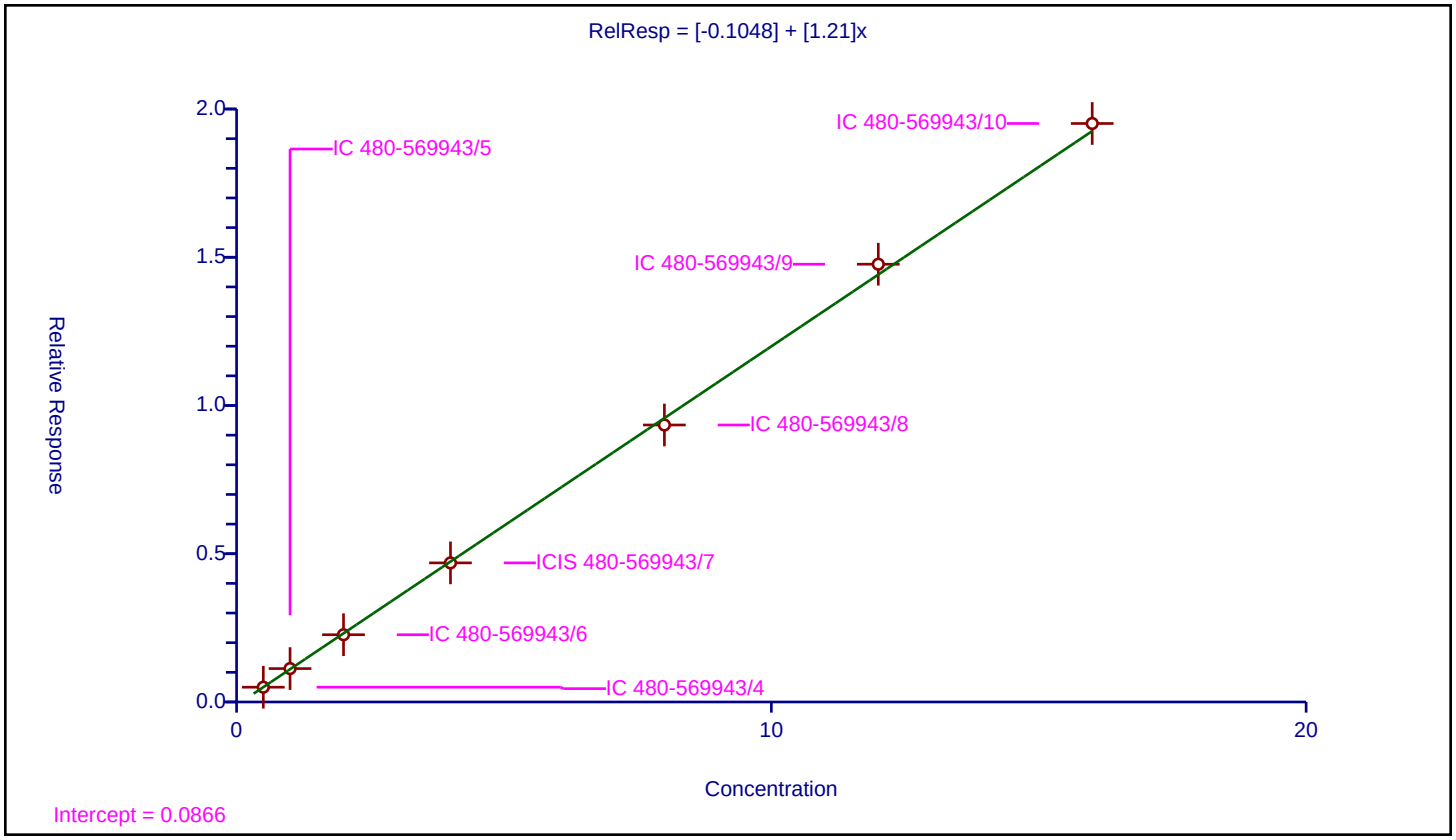
Curve Coefficients

Intercept:	-0.1048
Slope:	1.21

Error Coefficients

Standard Error:	3360000
Relative Standard Error:	2.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/4	0.5	0.498563	4.0	1061843.0	0.997127	Y
2	IC 480-569943/5	1.0	1.126225	4.0	988868.0	1.126225	Y
3	IC 480-569943/6	2.0	2.269141	4.0	1022179.0	1.13457	Y
4	ICIS 480-569943/7	4.0	4.69146	4.0	1077476.0	1.172865	Y
5	IC 480-569943/8	8.0	9.343155	4.0	1154011.0	1.167894	Y
6	IC 480-569943/9	12.0	14.765383	4.0	1095572.0	1.230449	Y
7	IC 480-569943/10	16.0	19.511706	4.0	1140256.0	1.219482	Y



Calibration / Indeno[1,2,3-cd]pyrene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

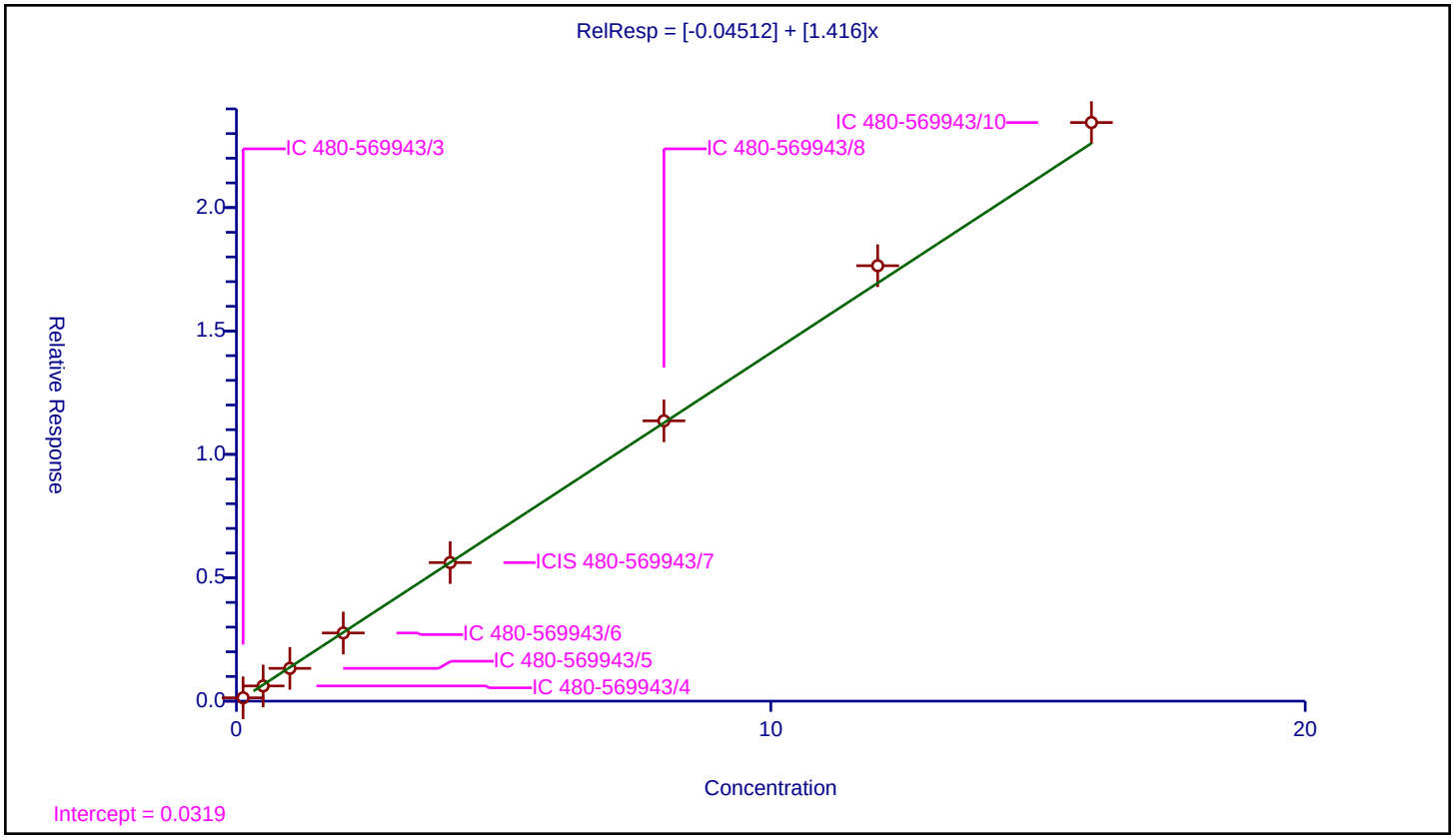
Curve Coefficients

Intercept:	-0.04512
Slope:	1.416

Error Coefficients

Standard Error:	3690000
Relative Standard Error:	3.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/3	0.125	0.135393	4.0	924571.0	1.08314	Y
2	IC 480-569943/4	0.5	0.61585	4.0	1061843.0	1.2317	Y
3	IC 480-569943/5	1.0	1.32772	4.0	988868.0	1.32772	Y
4	IC 480-569943/6	2.0	2.762236	4.0	1022179.0	1.381118	Y
5	ICIS 480-569943/7	4.0	5.615108	4.0	1077476.0	1.403777	Y
6	IC 480-569943/8	8.0	11.359348	4.0	1154011.0	1.419918	Y
7	IC 480-569943/9	12.0	17.645493	4.0	1095572.0	1.470458	Y
8	IC 480-569943/10	16.0	23.447892	4.0	1140256.0	1.465493	Y



Calibration / Benzo[g,h,i]perylene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

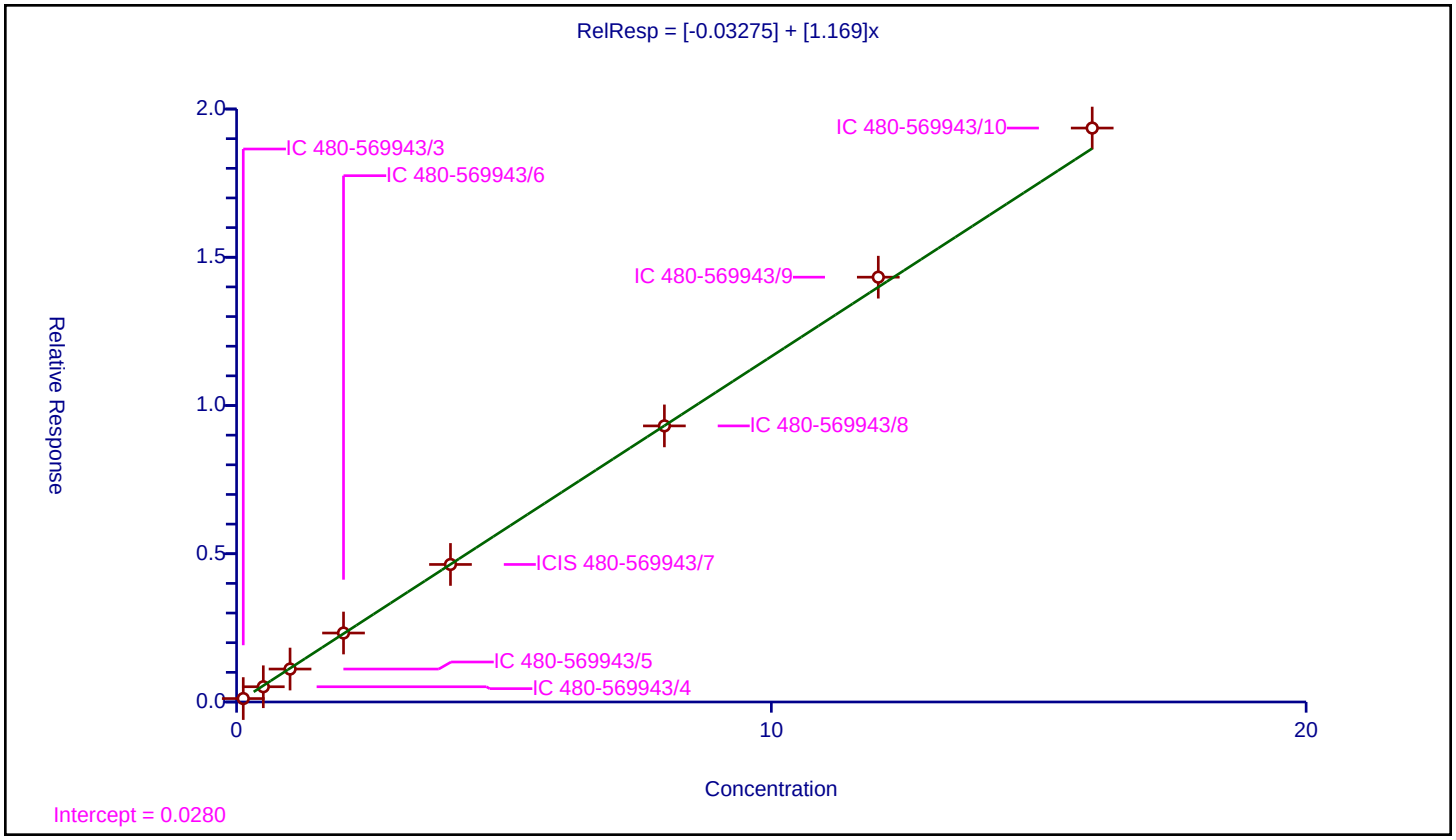
Curve Coefficients

Intercept:	-0.03275
Slope:	1.169

Error Coefficients

Standard Error:	3030000
Relative Standard Error:	3.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-569943/3	0.125	0.115963	4.0	924571.0	0.927704	Y
2	IC 480-569943/4	0.5	0.513692	4.0	1061843.0	1.027384	Y
3	IC 480-569943/5	1.0	1.111157	4.0	988868.0	1.111157	Y
4	IC 480-569943/6	2.0	2.32625	4.0	1022179.0	1.163125	Y
5	ICIS 480-569943/7	4.0	4.6386	4.0	1077476.0	1.15965	Y
6	IC 480-569943/8	8.0	9.31257	4.0	1154011.0	1.164071	Y
7	IC 480-569943/9	12.0	14.328362	4.0	1095572.0	1.19403	Y
8	IC 480-569943/10	16.0	19.357758	4.0	1140256.0	1.20986	Y



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Lab Sample ID (1): ICIS 480-569943/7 Instrument ID (1): HP5973Y

GC Column (1): RXI-5Sil MS ID: 0.25(mm) Date Analyzed (1): 02/18/2021 14:03

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	13.61	29.80

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Lab Sample ID (1): CCVIS 480-570863/3 Instrument ID (1): HP5973Y

GC Column (1): RXI-5Sil MS ID: 0.25(mm) Date Analyzed (1): 03/01/2021 09:55

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	13.56	29.00

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Lab Sample ID (1): CCVIS 480-571002/3 Instrument ID (1): HP5973Y

GC Column (1): RXI-5Sil MS ID: 0.25(mm) Date Analyzed (1): 03/03/2021 12:20

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	13.50	29.20

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Lab Sample ID: ICV 480-569943/11 Calibration Date: 02/18/2021 15:59

Instrument ID: HP5973Y Calib Start Date: 02/18/2021 12:07

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 02/18/2021 15:30

Lab File ID: Y02820289.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5134	0.4815	0.0100	3750	4000	-6.2	30.0
N-Nitrosodimethylamine	Ave	0.6584	0.6546	0.0100	3980	4000	-0.6	50.0
Pyridine	Lin2		0.8089	0.0100	8500	8000	6.3	50.0
Benzaldehyde	Ave	0.9622	0.9564	0.0100	7950	8000	-0.6	50.0
Phenol	Ave	1.512	1.493	0.8000	3950	4000	-1.3	30.0
Aniline	Ave	1.708	1.720	0.0100	4030	4000	0.7	30.0
Bis(2-chloroethyl)ether	Ave	1.172	1.075	0.7000	3670	4000	-8.2	30.0
2-Chlorophenol	Ave	1.229	1.194	0.8000	3880	4000	-2.9	30.0
n-Decane	Ave	1.330	1.237	0.0100	3720	4000	-7.0	30.0
1,3-Dichlorobenzene	Ave	1.464	1.402	0.0100	3830	4000	-4.2	30.0
1,4-Dichlorobenzene	Ave	1.480	1.434	0.0100	3880	4000	-3.1	30.0
Benzyl alcohol	Lin2		0.5950	0.0100	3730	4000	-6.7	30.0
1,2-Dichlorobenzene	Ave	1.414	1.352	0.0100	3820	4000	-4.4	30.0
2-Methylphenol	Ave	1.024	1.008	0.7000	3940	4000	-1.6	30.0
bis (2-chloroisopropyl) ether	Ave	1.666	1.571	0.0100	3770	4000	-5.7	30.0
Indene	Ave	1.952	2.560	0.0100	26200	20000	31.2*	30.0
N-Nitrosodi-n-propylamine	Lin2		0.7839	0.5000	3970	4000	-0.7	30.0
Acetophenone	Ave	1.537	1.552	0.0100	4040	4000	1.0	30.0
4-Methylphenol	Lin2		1.062	0.6000	4030	4000	0.7	30.0
Hexachloroethane	Ave	0.5675	0.5523	0.3000	3890	4000	-2.7	30.0
Nitrobenzene	Ave	0.3413	0.3376	0.2000	3960	4000	-1.1	30.0
Isophorone	Ave	0.5843	0.5850	0.4000	4010	4000	0.1	30.0
2-Nitrophenol	Lin2		0.1781	0.1000	4040	4000	0.9	30.0
2,4-Dimethylphenol	Ave	0.3169	0.3078	0.2000	3890	4000	-2.9	30.0
Bis(2-chloroethoxy)methane	Ave	0.3644	0.3617	0.3000	3970	4000	-0.8	30.0
Benzoic acid	Lin1		0.1995	0.0100	25500	20000	27.6	50.0
2,4-Dichlorophenol	Lin2		0.3039	0.2000	4020	4000	0.5	30.0
1,2,4-Trichlorobenzene	Ave	0.3638	0.3593	0.0100	3950	4000	-1.2	30.0
Naphthalene	Ave	0.9933	0.9725	0.7000	3920	4000	-2.1	30.0
4-Chloroaniline	Ave	0.3858	0.3953	0.0100	4100	4000	2.4	30.0
2,6-Dichlorophenol	Ave	0.2888	0.2950	0.0100	4090	4000	2.1	30.0
Hexachlorobutadiene	Ave	0.2289	0.2358	0.0100	4120	4000	3.0	30.0
Caprolactam	Lin2		0.0929	0.0100	8120	8000	1.5	50.0
4-Chloro-3-methylphenol	Lin2		0.2597	0.2000	4010	4000	0.2	30.0
2-Methylnaphthalene	Ave	0.6765	0.6441	0.4000	3810	4000	-4.8	30.0
1-Methylnaphthalene	Ave	0.6272	0.6179	0.0100	3940	4000	-1.5	30.0
Hexachlorocyclopentadiene	Lin1		0.2429	0.0500	3740	4000	-6.6	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6645	0.6590	0.0100	3970	4000	-0.8	30.0
2,4,6-Trichlorophenol	Lin2		0.3699	0.2000	3930	4000	-1.8	30.0
2,4,5-Trichlorophenol	Lin2		0.3984	0.2000	3850	4000	-3.7	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Lab Sample ID: ICV 480-569943/11 Calibration Date: 02/18/2021 15:59

Instrument ID: HP5973Y Calib Start Date: 02/18/2021 12:07

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 02/18/2021 15:30

Lab File ID: Y02820289.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Biphenyl	Ave	1.455	1.420	0.0100	3910	4000	-2.4	30.0
2-Chloronaphthalene	Ave	1.168	1.138	0.8000	3900	4000	-2.5	30.0
2-Nitroaniline	Lin2		0.2897	0.0100	4010	4000	0.2	30.0
Dimethyl phthalate	Ave	1.258	1.267	0.0100	4030	4000	0.7	30.0
1,3-Dinitrobenzene	Lin2		0.1124	0.0100	4270	4000	6.6	30.0
2,6-Dinitrotoluene	Lin2		0.2903	0.2000	4110	4000	2.9	30.0
Acenaphthylene	Ave	1.647	1.730	0.9000	4200	4000	5.1	30.0
3-Nitroaniline	Lin2		0.2603	0.0100	3780	4000	-5.4	30.0
Acenaphthene	Ave	1.160	1.144	0.9000	3950	4000	-1.4	30.0
2,4-Dinitrophenol	Lin1		0.1109	0.0100	7560	8000	-5.5	30.0
4-Nitrophenol	Lin1		0.1207	0.0100	7930	8000	-0.8	30.0
2,4-Dinitrotoluene	Lin2		0.3662	0.2000	4050	4000	1.1	30.0
Dibenzofuran	Ave	1.633	1.606	0.8000	3930	4000	-1.6	30.0
2,3,4,6-Tetrachlorophenol	Lin2		0.3150	0.0100	4210	4000	5.2	30.0
Diethyl phthalate	Ave	1.212	1.239	0.0100	4090	4000	2.2	30.0
Hexadecane	Ave	0.7073	0.7099	0.0100	4010	4000	0.4	30.0
4-Chlorophenyl phenyl ether	Ave	0.6821	0.7066	0.4000	4140	4000	3.6	30.0
Fluorene	Ave	1.312	1.336	0.9000	4070	4000	1.8	30.0
4-Nitroaniline	Lin2		0.2837	0.0100	4040	4000	1.0	30.0
4,6-Dinitro-2-methylphenol	Lin2		0.1073	0.0100	8450	8000	5.6	30.0
Diphenylamine	Ave	0.5904	0.5575	0.0100	3230	3420	-5.6	30.0
N-Nitrosodiphenylamine	Ave	0.5048	0.4767	0.0100	3780	4000	-5.6	30.0
1,2-Diphenylhydrazine	Ave	0.6525	0.6357	0.0100	3900	4000	-2.6	30.0
trans-Azobenzene	Ave	0.6525	0.6357	0.0100	3900	4000	-2.6	30.0
4-Bromophenyl phenyl ether	Ave	0.2279	0.2278	0.1000	4000	4000	-0.0	30.0
Hexachlorobenzene	Ave	0.2696	0.2607	0.1000	3870	4000	-3.3	30.0
Atrazine	Ave	0.3601	0.3804	0.0100	8450	8000	5.7	30.0
n-Octadecane	Ave	0.3907	0.3771	0.0100	3860	4000	-3.5	30.0
Pentachlorophenol	Lin1		0.1086	0.0500	7770	8000	-2.9	30.0
Phenanthrene	Ave	1.064	1.020	0.7000	3830	4000	-4.1	30.0
Anthracene	Lin2		1.000	0.7000	3780	4000	-5.5	30.0
Carbazole	Lin2		0.7765	0.0100	3790	4000	-5.4	30.0
Di-n-butyl phthalate	Lin2		1.076	0.0100	3890	4000	-2.8	30.0
Fluoranthene	Lin2		1.123	0.6000	3950	4000	-1.3	30.0
Benzidine	Ave	0.4541	0.5164	0.0100	9100	8000	13.7	50.0
Pyrene	Ave	1.236	1.213	0.6000	3920	4000	-1.9	30.0
Butyl benzyl phthalate	Lin2		0.5010	0.0100	3970	4000	-0.7	30.0
3,3'-Dichlorobenzidine	Ave	0.4166	0.5243	0.0100	10100	8000	25.9	50.0
Bis(2-ethylhexyl) phthalate	Lin2		0.7458	0.0100	3990	4000	-0.4	30.0
Benzo[a]anthracene	Ave	1.193	1.177	0.8000	3940	4000	-1.4	30.0
Chrysene	Lin2		1.114	0.7000	3860	4000	-3.4	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Lab Sample ID: ICV 480-569943/11 Calibration Date: 02/18/2021 15:59

Instrument ID: HP5973Y Calib Start Date: 02/18/2021 12:07

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 02/18/2021 15:30

Lab File ID: Y02820289.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Di-n-octyl phthalate	Lin2		1.141	0.0100	3840	4000	-3.9	30.0
Benzo[b]fluoranthene	Lin2		1.124	0.7000	3800	4000	-4.9	30.0
Benzo[k]fluoranthene	Lin2		1.104	0.7000	3770	4000	-5.7	30.0
Benzo[a]pyrene	Lin2		1.084	0.7000	4250	4000	6.2	30.0
Dibenz(a,h)anthracene	Lin2		1.111	0.4000	3760	4000	-6.0	30.0
Indeno[1,2,3-cd]pyrene	Lin2		1.277	0.5000	3640	4000	-9.0	30.0
Benzo[g,h,i]perylene	Lin2		1.073	0.5000	3700	4000	-7.5	30.0
2-Fluorophenol (Surr)	Lin2		1.128	0.0100	7780	8000	-2.7	30.0
Phenol-d5 (Surr)	Lin2		1.401	0.0100	7800	8000	-2.5	30.0
Nitrobenzene-d5 (Surr)	Ave	0.3351	0.3364	0.0100	4020	4000	0.4	30.0
2-Fluorobiphenyl	Ave	1.354	1.384	0.0100	4090	4000	2.2	30.0
2,4,6-Tribromophenol (Surr)	Lin2		0.1258	0.0100	7770	8000	-2.9	30.0
p-Terphenyl-d14 (Surr)	Ave	0.9746	0.9210	0.0100	3780	4000	-5.5	30.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y02820289.D
Lims ID: ICV - List 1 - 4
Client ID:
Sample Type: ICV
Inject. Date: 18-Feb-2021 15:59:30 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 480-0096734-011
Operator ID: JM Instrument ID: HP5973Y
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 23-Feb-2021 15:20:04 Calib Date: 18-Feb-2021 23:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y02820304.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1615

First Level Reviewer: marshallj Date: 23-Feb-2021 12:54:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.951	5.948	0.003	94	308042	4.00	4.00	
* 2 Naphthalene-d8	136	7.041	7.043	-0.002	99	1089625	4.00	4.00	
* 3 Acenaphthene-d10	164	8.515	8.517	-0.002	95	647024	4.00	4.00	
* 4 Phenanthrene-d10	188	9.760	9.762	-0.002	96	1209250	4.00	4.00	
* 5 Chrysene-d12	240	12.196	12.193	0.003	99	1129909	4.00	4.00	
* 6 Perylene-d12	264	14.162	14.159	0.003	98	1168155	4.00	4.00	
$ 7 2-Fluorophenol	112	4.786	4.786	0.000	92	694839	8.00	7.78	
$ 8 Phenol-d5	99	5.646	5.646	0.000	0	862868	8.00	7.80	
$ 9 Nitrobenzene-d5	82	6.432	6.431	0.001	90	366543	4.00	4.02	
$ 10 2-Fluorobiphenyl	172	7.938	7.937	0.001	99	895363	4.00	4.09	
$ 11 2,4,6-Tribromophenol	330	9.178	9.177	0.001	93	304164	8.00	7.77	
$ 12 p-Terphenyl-d14	244	11.079	11.079	0.000	98	1040638	4.00	3.78	
13 1,4-Dioxane	88	2.548	2.547	0.001	98	148334	4.00	3.75	
14 N-Nitrosodimethylamine	42	3.072	3.071	0.001	90	201632	4.00	3.98	
15 Pyridine	52	3.104	3.108	-0.004	92	498328	8.00	8.50	
35 Benzaldehyde	77	5.566	5.571	-0.005	95	589218	8.00	7.95	
37 Phenol	94	5.657	5.656	0.001	96	459803	4.00	3.95	
36 Aniline	93	5.668	5.667	0.001	96	529861	4.00	4.03	
39 Bis(2-chloroethyl)ether	93	5.716	5.715	0.001	94	331167	4.00	3.67	
40 2-Chlorophenol	128	5.775	5.779	-0.004	97	367730	4.00	3.88	
41 n-Decane	57	5.801	5.801	0.000	95	381128	4.00	3.72	
43 1,3-Dichlorobenzene	146	5.903	5.902	0.001	98	431974	4.00	3.83	
44 1,4-Dichlorobenzene	146	5.967	5.966	0.001	94	441879	4.00	3.88	
45 Benzyl alcohol	108	6.079	6.078	0.001	91	183289	4.00	3.73	
46 1,2-Dichlorobenzene	146	6.101	6.100	0.001	98	416370	4.00	3.82	
48 2-Methylphenol	108	6.175	6.174	0.001	91	310433	4.00	3.94	
49 2,2'-oxybis[1-chloropropane]	45	6.181	6.180	0.001	91	483793	4.00	3.77	
47 Indene	115	6.181	6.180	0.001	90	3943177	20.0	26.2	
53 N-Nitrosodi-n-propylamine	70	6.293	6.292	0.001	94	241472	4.00	3.97	
52 Acetophenone	105	6.298	6.297	0.001	96	478217	4.00	4.04	
57 4-Methylphenol	108	6.304	6.303	0.001	95	327250	4.00	4.03	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
58 Hexachloroethane	117	6.389	6.388	0.001	92	170141	4.00	3.89	
59 Nitrobenzene	77	6.448	6.447	0.001	89	367830	4.00	3.96	
62 Isophorone	82	6.645	6.645	0.000	99	637471	4.00	4.01	
64 2-Nitrophenol	139	6.720	6.719	0.001	93	194070	4.00	4.04	
66 2,4-Dimethylphenol	107	6.747	6.751	-0.004	95	335395	4.00	3.89	
69 Bis(2-chloroethoxy)methane	93	6.816	6.816	0.000	97	394088	4.00	3.97	
70 Benzoic acid	105	6.891	6.874	0.017	96	1086737	20.0	25.5	
72 2,4-Dichlorophenol	162	6.929	6.933	-0.004	92	331170	4.00	4.02	
73 1,2,4-Trichlorobenzene	180	6.993	6.992	0.001	94	391535	4.00	3.95	
74 Naphthalene	128	7.062	7.061	0.001	98	1059606	4.00	3.92	
76 4-Chloroaniline	127	7.100	7.099	0.001	96	430685	4.00	4.10	
77 2,6-Dichlorophenol	162	7.110	7.115	-0.005	98	321423	4.00	4.09	
79 Hexachlorobutadiene	225	7.158	7.163	-0.005	94	256895	4.00	4.12	
84 Caprolactam	113	7.404	7.403	0.001	76	202364	8.00	8.12	
85 4-Chloro-3-methylphenol	107	7.511	7.510	0.001	95	282931	4.00	4.01	
87 2-Methylnaphthalene	142	7.639	7.638	0.001	91	701773	4.00	3.81	
89 1-Methylnaphthalene	142	7.725	7.724	0.001	93	673329	4.00	3.94	
90 Hexachlorocyclopentadiene	237	7.773	7.772	0.001	94	157173	4.00	3.74	
91 1,2,4,5-Tetrachlorobenzene	216	7.783	7.788	-0.005	96	426358	4.00	3.97	
93 2,4,6-Trichlorophenol	196	7.879	7.879	0.000	91	239364	4.00	3.93	
94 2,4,5-Trichlorophenol	196	7.922	7.921	0.001	95	257754	4.00	3.85	
96 1,1'-Biphenyl	154	8.024	8.023	0.001	96	918863	4.00	3.91	
97 2-Chloronaphthalene	162	8.050	8.050	0.000	95	736591	4.00	3.90	
100 2-Nitroaniline	65	8.131	8.130	0.001	86	187418	4.00	4.01	
105 Dimethyl phthalate	163	8.264	8.263	0.001	99	819649	4.00	4.03	
106 1,3-Dinitrobenzene	168	8.307	8.306	0.001	86	122456	4.00	4.27	
107 2,6-Dinitrotoluene	165	8.323	8.322	0.001	94	187856	4.00	4.11	
108 Acenaphthylene	152	8.403	8.402	0.001	98	1119625	4.00	4.20	
109 3-Nitroaniline	138	8.472	8.472	0.000	97	168416	4.00	3.78	
110 Acenaphthene	153	8.547	8.546	0.001	96	740196	4.00	3.95	
111 2,4-Dinitrophenol	184	8.569	8.568	0.001	86	143524	8.00	7.56	
112 4-Nitrophenol	109	8.622	8.621	0.001	89	156222	8.00	7.93	
114 2,4-Dinitrotoluene	165	8.670	8.669	0.001	95	236970	4.00	4.05	
115 Dibenzofuran	168	8.686	8.685	0.001	96	1039278	4.00	3.93	
118 2,3,4,6-Tetrachlorophenol	232	8.793	8.792	0.001	70	203790	4.00	4.21	
120 Diethyl phthalate	149	8.846	8.846	0.000	98	801791	4.00	4.09	
121 Hexadecane	57	8.846	8.846	0.000	68	459313	4.00	4.01	
123 4-Chlorophenyl phenyl ether	204	8.959	8.958	0.001	87	457212	4.00	4.14	
124 Fluorene	166	8.975	8.974	0.001	93	864352	4.00	4.07	
126 4-Nitroaniline	138	8.985	8.984	0.001	88	183529	4.00	4.04	
127 4,6-Dinitro-2-methylphenol	198	9.017	9.016	0.001	90	259574	8.00	8.45	
129 Diphenylamine	169	9.055	9.054	0.001	93	576436	3.42	3.23	
130 N-Nitrosodiphenylamine	169	9.055	9.054	0.001	64	576436	4.00	3.78	
132 Azobenzene	77	9.092	9.091	0.001	99	768700	4.00	3.90	
131 1,2-Diphenylhydrazine	77	9.092	9.091	0.001	41	768700	4.00	3.90	
139 4-Bromophenyl phenyl ether	248	9.370	9.369	0.001	63	275483	4.00	4.00	
140 Hexachlorobenzene	284	9.450	9.449	0.001	97	315278	4.00	3.87	
143 Atrazine	200	9.487	9.487	0.000	94	492317	8.00	8.45	
145 Pentachlorophenol	266	9.610	9.609	0.001	94	262648	8.00	7.77	
148 n-Octadecane	57	9.610	9.609	0.001	93	456041	4.00	3.86	
151 Phenanthrene	178	9.781	9.780	0.001	98	1233789	4.00	3.83	
152 Anthracene	178	9.824	9.823	0.001	98	1209551	4.00	3.78	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
153 Carbazole	167	9.952	9.951	0.001	96	939021	4.00	3.79	
157 Di-n-butyl phthalate	149	10.198	10.202	-0.004	100	1301266	4.00	3.89	
164 Fluoranthene	202	10.780	10.779	0.001	98	1357513	4.00	3.95	
166 Benzidine	184	10.871	10.870	0.001	99	1167022	8.00	9.10	
167 Pyrene	202	10.978	10.977	0.001	97	1370729	4.00	3.92	
174 Butyl benzyl phthalate	149	11.512	11.511	0.001	97	566041	4.00	3.97	
181 Bis(2-ethylhexyl) phthalate	149	12.126	12.126	0.000	95	842660	4.00	3.99	
179 3,3'-Dichlorobenzidine	252	12.126	12.126	0.000	73	1184931	8.00	10.1	
180 Benzo[a]anthracene	228	12.180	12.179	0.001	99	1329416	4.00	3.94	
182 Chrysene	228	12.228	12.227	0.001	96	1259207	4.00	3.86	
184 Di-n-octyl phthalate	149	12.954	12.954	0.000	99	1288844	4.00	3.84	
186 Benzo[b]fluoranthene	252	13.606	13.605	0.001	97	1313561	4.00	3.80	
187 Benzo[k]fluoranthene	252	13.644	13.643	0.001	99	1290139	4.00	3.77	
189 Benzo[a]pyrene	252	14.082	14.081	0.001	77	1266167	4.00	4.25	
193 Indeno[1,2,3-cd]pyrene	276	15.764	15.764	0.000	97	1491953	4.00	3.64	
194 Dibenz(a,h)anthracene	278	15.764	15.769	-0.005	88	1297917	4.00	3.76	
195 Benzo[g,h,i]perylene	276	16.165	16.170	-0.005	97	1253741	4.00	3.70	

QC Flag Legend

Processing Flags

Reagents:

MB_L1SSLV_WRK_00039	Amount Added: 1.00	Units: mL	
MB_LLIS_WRK_00208	Amount Added: 20.00	Units: uL	Run Reagent

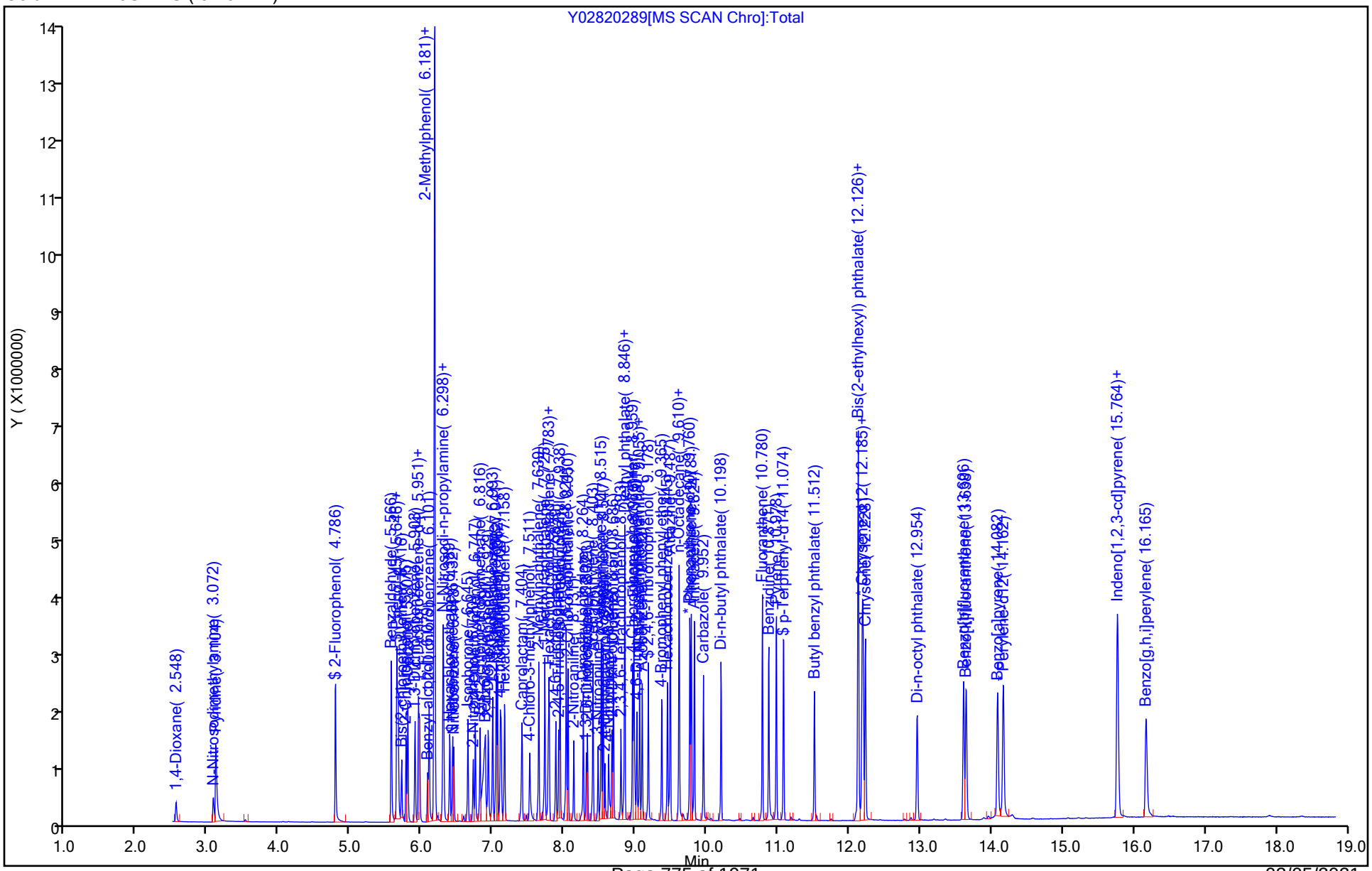
Report Date: 23-Feb-2021 15:20:10 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y02820289.D

Injection Date:	18-Feb-2021 15:59:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	ICV - List 1 - 4			Worklist Smp#:	11
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Lab Sample ID: CCVIS 480-570863/3 Calibration Date: 03/01/2021 09:55

Instrument ID: HP5973Y Calib Start Date: 02/18/2021 12:07

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 02/18/2021 15:30

Lab File ID: Y02820349.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5134	0.4830	0.0100	3760	4000	-5.9	20.0
N-Nitrosodimethylamine	Ave	0.6584	0.6620	0.0100	4020	4000	0.5	50.0
Pyridine	Lin2		0.7258	0.0100	7650	8000	-4.4	50.0
Benzaldehyde	Ave	0.9622	0.9363	0.0100	7780	8000	-2.7	50.0
Phenol	Ave	1.512	1.507	0.8000	3990	4000	-0.4	20.0
Aniline	Ave	1.708	1.663	0.0100	3890	4000	-2.7	20.0
Bis(2-chloroethyl)ether	Ave	1.172	1.162	0.7000	3970	4000	-0.8	20.0
2-Chlorophenol	Ave	1.229	1.270	0.8000	4130	4000	3.3	20.0
n-Decane	Ave	1.330	1.313	0.0100	3950	4000	-1.3	20.0
1,3-Dichlorobenzene	Ave	1.464	1.470	0.0100	4020	4000	0.5	20.0
1,4-Dichlorobenzene	Ave	1.480	1.479	0.0100	4000	4000	-0.0	20.0
Benzyl alcohol	Lin2		0.6531	0.0100	4070	4000	1.8	20.0
1,2-Dichlorobenzene	Ave	1.414	1.409	0.0100	3980	4000	-0.4	20.0
2-Methylphenol	Ave	1.024	1.029	0.7000	4020	4000	0.6	20.0
Indene	Ave	1.952	2.001	0.0100	20500	20000	2.5	20.0
bis (2-chloroisopropyl) ether	Ave	1.666	1.689	0.0100	4050	4000	1.3	20.0
N-Nitrosodi-n-propylamine	Lin2		0.7800	0.5000	3950	4000	-1.2	20.0
Acetophenone	Ave	1.537	1.545	0.0100	4020	4000	0.5	20.0
4-Methylphenol	Lin2		1.123	0.6000	4260	4000	6.4	20.0
Hexachloroethane	Ave	0.5675	0.5803	0.3000	4090	4000	2.3	20.0
Nitrobenzene	Ave	0.3413	0.3363	0.2000	3940	4000	-1.4	20.0
Isophorone	Ave	0.5843	0.5880	0.4000	4030	4000	0.6	20.0
2-Nitrophenol	Lin2		0.1760	0.1000	3990	4000	-0.3	20.0
2,4-Dimethylphenol	Ave	0.3169	0.3144	0.2000	3970	4000	-0.8	20.0
Bis(2-chloroethoxy)methane	Ave	0.3644	0.3618	0.3000	3970	4000	-0.7	20.0
Benzoic acid	Lin1		0.1438	0.0100	19800	20000	-1.2	50.0
2,4-Dichlorophenol	Lin2		0.3126	0.2000	4130	4000	3.4	20.0
1,2,4-Trichlorobenzene	Ave	0.3638	0.3756	0.0100	4130	4000	3.2	20.0
Naphthalene	Ave	0.9933	0.9903	0.7000	3990	4000	-0.3	20.0
4-Chloroaniline	Ave	0.3858	0.3745	0.0100	3880	4000	-2.9	20.0
2,6-Dichlorophenol	Ave	0.2888	0.3027	0.0100	4190	4000	4.8	20.0
Hexachlorobutadiene	Ave	0.2289	0.2372	0.0100	4150	4000	3.6	20.0
Caprolactam	Lin2		0.0897	0.0100	7850	8000	-1.9	50.0
4-Chloro-3-methylphenol	Lin2		0.2581	0.2000	3980	4000	-0.4	20.0
2-Methylnaphthalene	Ave	0.6765	0.6779	0.4000	4010	4000	0.2	20.0
1-Methylnaphthalene	Ave	0.6272	0.6229	0.0100	3970	4000	-0.7	20.0
Hexachlorocyclopentadiene	Lin1		0.2374	0.0500	3670	4000	-8.2	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6645	0.6855	0.0100	4130	4000	3.2	20.0
2,4,6-Trichlorophenol	Lin2		0.3935	0.2000	4170	4000	4.2	20.0
2,4,5-Trichlorophenol	Lin2		0.4055	0.2000	3920	4000	-2.1	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Lab Sample ID: CCVIS 480-570863/3 Calibration Date: 03/01/2021 09:55

Instrument ID: HP5973Y Calib Start Date: 02/18/2021 12:07

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 02/18/2021 15:30

Lab File ID: Y02820349.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Biphenyl	Ave	1.455	1.460	0.0100	4020	4000	0.4	20.0
2-Chloronaphthalene	Ave	1.168	1.179	0.8000	4040	4000	1.0	20.0
2-Nitroaniline	Lin2		0.2836	0.0100	3930	4000	-1.9	20.0
Dimethyl phthalate	Ave	1.258	1.292	0.0100	4110	4000	2.7	20.0
1,3-Dinitrobenzene	Lin2		0.1062	0.0100	4040	4000	1.1	20.0
2,6-Dinitrotoluene	Lin2		0.2910	0.2000	4120	4000	3.1	20.0
Acenaphthylene	Ave	1.647	1.710	0.9000	4150	4000	3.8	20.0
3-Nitroaniline	Lin2		0.2605	0.0100	3790	4000	-5.3	20.0
Acenaphthene	Ave	1.160	1.175	0.9000	4050	4000	1.3	20.0
2,4-Dinitrophenol	Lin1		0.1163	0.0100	7830	8000	-2.1	20.0
4-Nitrophenol	Lin1		0.1270	0.0100	8290	8000	3.7	20.0
2,4-Dinitrotoluene	Lin2		0.3675	0.2000	4060	4000	1.5	20.0
Dibenzofuran	Ave	1.633	1.632	0.8000	4000	4000	-0.0	20.0
2,3,4,6-Tetrachlorophenol	Lin2		0.3159	0.0100	4220	4000	5.5	20.0
Diethyl phthalate	Ave	1.212	1.265	0.0100	4180	4000	4.4	20.0
Hexadecane	Ave	0.7073	0.7065	0.0100	4000	4000	-0.1	20.0
4-Chlorophenyl phenyl ether	Ave	0.6821	0.6930	0.4000	4060	4000	1.6	20.0
Fluorene	Ave	1.312	1.358	0.9000	4140	4000	3.5	20.0
4-Nitroaniline	Lin2		0.2789	0.0100	3980	4000	-0.6	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.1010	0.0100	7990	8000	-0.1	20.0
Diphenylamine	Ave	0.5904	0.5705	0.0100	3300	3420	-3.4	20.0
N-Nitrosodiphenylamine	Ave	0.5048	0.4877	0.0100	3860	4000	-3.4	20.0
1,2-Diphenylhydrazine	Ave	0.6525	0.6420	0.0100	3940	4000	-1.6	20.0
trans-Azobenzene	Ave	0.6525	0.6420	0.0100	3940	4000	-1.6	20.0
4-Bromophenyl phenyl ether	Ave	0.2279	0.2272	0.1000	3990	4000	-0.3	20.0
Hexachlorobenzene	Ave	0.2696	0.2595	0.1000	3850	4000	-3.7	20.0
Atrazine	Ave	0.3601	0.3822	0.0100	8490	8000	6.1	20.0
Pentachlorophenol	Lin1		0.0983	0.0500	7120	8000	-11.0	20.0
n-Octadecane	Ave	0.3907	0.3818	0.0100	3910	4000	-2.3	20.0
Phenanthrene	Ave	1.064	1.031	0.7000	3880	4000	-3.1	20.0
Anthracene	Lin2		1.065	0.7000	4020	4000	0.6	20.0
Carbazole	Lin2		0.6257	0.0100	3040	4000	-24.0*	20.0
Di-n-butyl phthalate	Lin2		1.094	0.0100	3950	4000	-1.2	20.0
Fluoranthene	Lin2		1.158	0.6000	4070	4000	1.8	20.0
Benzidine	Ave	0.4541	0.3163	0.0100	5570	8000	-30.3	50.0
Pyrene	Ave	1.236	1.211	0.6000	3920	4000	-2.0	20.0
Butyl benzyl phthalate	Lin2		0.4672	0.0100	3710	4000	-7.1	20.0
3,3'-Dichlorobenzidine	Ave	0.4166	0.3393	0.0100	6520	8000	-18.5	50.0
Bis(2-ethylhexyl) phthalate	Lin2		0.7221	0.0100	3860	4000	-3.4	20.0
Benzo[a]anthracene	Ave	1.193	1.172	0.8000	3930	4000	-1.7	20.0
Chrysene	Lin2		1.144	0.7000	3970	4000	-0.8	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Lab Sample ID: CCVIS 480-570863/3 Calibration Date: 03/01/2021 09:55

Instrument ID: HP5973Y Calib Start Date: 02/18/2021 12:07

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 02/18/2021 15:30

Lab File ID: Y02820349.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Di-n-octyl phthalate	Lin2		1.136	0.0100	3830	4000	-4.3	20.0
Benzo[b]fluoranthene	Lin2		1.177	0.7000	3980	4000	-0.5	20.0
Benzo[k]fluoranthene	Lin2		1.217	0.7000	4160	4000	3.9	20.0
Benzo[a]pyrene	Lin2		1.033	0.7000	4050	4000	1.2	20.0
Indeno[1,2,3-cd]pyrene	Lin2		1.439	0.5000	4100	4000	2.4	20.0
Dibenz(a,h)anthracene	Lin2		1.206	0.4000	4070	4000	1.9	20.0
Benzo[g,h,i]perylene	Lin2		1.190	0.5000	4100	4000	2.6	20.0
2-Fluorophenol (Surr)	Lin2		1.136	0.0100	3970	4000	-0.7	20.0
Phenol-d5 (Surr)	Lin2		1.431	0.0100	4010	4000	0.2	20.0
Nitrobenzene-d5 (Surr)	Ave	0.3351	0.3330	0.0100	3970	4000	-0.6	20.0
2-Fluorobiphenyl	Ave	1.354	1.397	0.0100	4130	4000	3.2	20.0
2,4,6-Tribromophenol (Surr)	Lin2		0.1245	0.0100	3930	4000	-1.8	20.0
p-Terphenyl-d14 (Surr)	Ave	0.9746	0.9512	0.0100	3900	4000	-2.4	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96898.b\Y02820349.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 01-Mar-2021 09:55:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 480-0096898-003
Operator ID: JM Instrument ID: HP5973Y
Sublist: chrom-Y-LVI-8270*sub36

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96898.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 01-Mar-2021 15:16:13 Calib Date: 18-Feb-2021 23:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y02820304.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1602

First Level Reviewer: marshallj Date: 01-Mar-2021 14:31:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.926	5.926	0.000	94	290949	4.00	4.00	
* 2 Naphthalene-d8	136	7.016	7.016	0.000	99	1025501	4.00	4.00	
* 3 Acenaphthene-d10	164	8.491	8.491	0.000	95	601967	4.00	4.00	
* 4 Phenanthrene-d10	188	9.730	9.730	0.000	97	1139216	4.00	4.00	
* 5 Chrysene-d12	240	12.155	12.155	0.000	99	1116204	4.00	4.00	
* 6 Perylene-d12	264	14.105	14.105	0.000	98	1144993	4.00	4.00	
$ 7 2-Fluorophenol	112	4.762	4.762	0.000	93	330412	4.00	3.97	
$ 8 Phenol-d5	99	5.622	5.622	0.000	0	416408	4.00	4.01	
$ 9 Nitrobenzene-d5	82	6.402	6.402	0.000	90	341467	4.00	3.97	
$ 10 2-Fluorobiphenyl	172	7.908	7.908	0.000	99	840922	4.00	4.13	
$ 11 2,4,6-Tribromophenol	330	9.148	9.148	0.000	93	141875	4.00	3.93	
$ 12 p-Terphenyl-d14	244	11.044	11.044	0.000	98	1061688	4.00	3.90	
13 1,4-Dioxane	88	2.502	2.502	0.000	96	140519	4.00	3.76	
14 N-Nitrosodimethylamine	42	3.020	3.020	0.000	89	192614	4.00	4.02	
15 Pyridine	52	3.052	3.052	0.000	92	422365	8.00	7.65	
35 Benzaldehyde	77	5.542	5.542	0.000	95	544832	8.00	7.78	
37 Phenol	94	5.633	5.633	0.000	97	438492	4.00	3.99	
36 Aniline	93	5.643	5.643	0.000	97	483788	4.00	3.89	
39 Bis(2-chloroethyl)ether	93	5.686	5.686	0.000	95	338101	4.00	3.97	
40 2-Chlorophenol	128	5.750	5.750	0.000	97	369547	4.00	4.13	
41 n-Decane	57	5.777	5.777	0.000	95	382061	4.00	3.95	
43 1,3-Dichlorobenzene	146	5.878	5.878	0.000	98	427831	4.00	4.02	
44 1,4-Dichlorobenzene	146	5.937	5.937	0.000	94	430324	4.00	4.00	
45 Benzyl alcohol	108	6.049	6.049	0.000	92	190025	4.00	4.07	
46 1,2-Dichlorobenzene	146	6.076	6.076	0.000	97	409892	4.00	3.98	
48 2-Methylphenol	108	6.145	6.145	0.000	91	299516	4.00	4.02	
47 Indene	115	6.151	6.151	0.000	91	2910978	20.0	20.5	
49 2,2'-oxybis[1-chloropropane]	45	6.156	6.156	0.000	92	491314	4.00	4.05	
53 N-Nitrosodi-n-propylamine	70	6.268	6.268	0.000	91	226936	4.00	3.95	
52 Acetophenone	105	6.274	6.274	0.000	93	449373	4.00	4.02	
57 4-Methylphenol	108	6.279	6.279	0.000	96	326744	4.00	4.26	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
58 Hexachloroethane	117	6.364	6.364	0.000	92	168850	4.00	4.09	
59 Nitrobenzene	77	6.418	6.418	0.000	90	344912	4.00	3.94	
62 Isophorone	82	6.621	6.621	0.000	99	603025	4.00	4.03	
64 2-Nitrophenol	139	6.690	6.690	0.000	94	180480	4.00	3.99	
66 2,4-Dimethylphenol	107	6.722	6.722	0.000	96	322445	4.00	3.97	
69 Bis(2-chloroethoxy)methane	93	6.786	6.786	0.000	96	371008	4.00	3.97	
70 Benzoic acid	105	6.851	6.851	0.000	90	737279	20.0	19.8	
72 2,4-Dichlorophenol	162	6.904	6.904	0.000	92	320585	4.00	4.13	
73 1,2,4-Trichlorobenzene	180	6.963	6.963	0.000	93	385140	4.00	4.13	
74 Naphthalene	128	7.032	7.032	0.000	98	1015558	4.00	3.99	
76 4-Chloroaniline	127	7.075	7.075	0.000	97	384049	4.00	3.88	
77 2,6-Dichlorophenol	162	7.086	7.086	0.000	97	310384	4.00	4.19	
79 Hexachlorobutadiene	225	7.134	7.134	0.000	95	243297	4.00	4.15	
84 Caprolactam	113	7.374	7.374	0.000	76	183946	8.00	7.85	
85 4-Chloro-3-methylphenol	107	7.486	7.486	0.000	94	264632	4.00	3.98	
87 2-Methylnaphthalene	142	7.609	7.609	0.000	91	695146	4.00	4.01	
89 1-Methylnaphthalene	142	7.695	7.695	0.000	92	638834	4.00	3.97	
90 Hexachlorocyclopentadiene	237	7.748	7.748	0.000	93	142931	4.00	3.67	
91 1,2,4,5-Tetrachlorobenzene	216	7.759	7.759	0.000	96	412632	4.00	4.13	
93 2,4,6-Trichlorophenol	196	7.855	7.855	0.000	91	236851	4.00	4.17	
94 2,4,5-Trichlorophenol	196	7.892	7.892	0.000	94	244071	4.00	3.92	
96 1,1'-Biphenyl	154	7.999	7.999	0.000	95	879009	4.00	4.02	
97 2-Chloronaphthalene	162	8.021	8.021	0.000	95	709674	4.00	4.04	
100 2-Nitroaniline	65	8.106	8.106	0.000	88	170711	4.00	3.93	
105 Dimethyl phthalate	163	8.240	8.240	0.000	99	777768	4.00	4.11	
106 1,3-Dinitrobenzene	168	8.282	8.282	0.000	89	108891	4.00	4.04	
107 2,6-Dinitrotoluene	165	8.298	8.298	0.000	94	175200	4.00	4.12	
108 Acenaphthylene	152	8.373	8.373	0.000	98	1029131	4.00	4.15	
109 3-Nitroaniline	138	8.448	8.448	0.000	96	156839	4.00	3.79	
110 Acenaphthene	153	8.517	8.517	0.000	95	707260	4.00	4.05	
111 2,4-Dinitrophenol	184	8.539	8.539	0.000	85	140051	8.00	7.83	
112 4-Nitrophenol	109	8.592	8.592	0.000	93	152872	8.00	8.29	
114 2,4-Dinitrotoluene	165	8.640	8.640	0.000	95	221250	4.00	4.06	
115 Dibenzofuran	168	8.662	8.662	0.000	97	982332	4.00	4.00	
118 2,3,4,6-Tetrachlorophenol	232	8.768	8.768	0.000	70	190135	4.00	4.22	
121 Hexadecane	57	8.822	8.822	0.000	93	425263	4.00	4.00	
120 Diethyl phthalate	149	8.822	8.822	0.000	98	761737	4.00	4.18	
123 4-Chlorophenyl phenyl ether	204	8.929	8.929	0.000	90	417135	4.00	4.06	
124 Fluorene	166	8.945	8.945	0.000	94	817331	4.00	4.14	
126 4-Nitroaniline	138	8.961	8.961	0.000	87	167894	4.00	3.98	
127 4,6-Dinitro-2-methylphenol	198	8.987	8.987	0.000	94	230129	8.00	7.99	
130 N-Nitrosodiphenylamine	169	9.030	9.030	0.000	64	555638	4.00	3.86	
129 Diphenylamine	169	9.030	9.030	0.000	93	555638	3.42	3.30	
132 Azobenzene	77	9.062	9.062	0.000	99	731320	4.00	3.94	
131 1,2-Diphenylhydrazine	77	9.062	9.062	0.000	42	731320	4.00	3.94	
139 4-Bromophenyl phenyl ether	248	9.340	9.340	0.000	63	258809	4.00	3.99	
140 Hexachlorobenzene	284	9.420	9.420	0.000	95	295599	4.00	3.85	
143 Atrazine	200	9.458	9.458	0.000	94	460129	8.00	8.49	
145 Pentachlorophenol	266	9.580	9.580	0.000	94	223923	8.00	7.12	
148 n-Octadecane	57	9.586	9.586	0.000	92	435005	4.00	3.91	
151 Phenanthrene	178	9.751	9.751	0.000	98	1174767	4.00	3.88	
152 Anthracene	178	9.794	9.794	0.000	97	1213717	4.00	4.02	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
153 Carbazole	167	9.922	9.922	0.000	96	712753	4.00	3.04	
157 Di-n-butyl phthalate	149	10.173	10.173	0.000	100	1246540	4.00	3.95	
164 Fluoranthene	202	10.750	10.750	0.000	98	1319543	4.00	4.07	
166 Benzidine	184	10.841	10.841	0.000	99	706215	8.00	5.57	
167 Pyrene	202	10.943	10.943	0.000	97	1351868	4.00	3.92	
174 Butyl benzyl phthalate	149	11.477	11.477	0.000	97	521479	4.00	3.71	
181 Bis(2-ethylhexyl) phthalate	149	12.086	12.086	0.000	95	806031	4.00	3.86	
179 3,3'-Dichlorobenzidine	252	12.086	12.086	0.000	69	757506	8.00	6.52	
180 Benzo[a]anthracene	228	12.139	12.139	0.000	98	1308710	4.00	3.93	
182 Chrysene	228	12.182	12.182	0.000	96	1276779	4.00	3.97	
184 Di-n-octyl phthalate	149	12.909	12.909	0.000	99	1268169	4.00	3.83	
186 Benzo[b]fluoranthene	252	13.555	13.555	0.000	97	1347613	4.00	3.98	
187 Benzo[k]fluoranthene	252	13.587	13.587	0.000	99	1393885	4.00	4.16	
189 Benzo[a]pyrene	252	14.030	14.030	0.000	77	1182373	4.00	4.05	
193 Indeno[1,2,3-cd]pyrene	276	15.703	15.703	0.000	97	1647216	4.00	4.10	
194 Dibenz(a,h)anthracene	278	15.708	15.708	0.000	89	1381306	4.00	4.07	
195 Benzo[g,h,i]perylene	276	16.103	16.103	0.000	98	1363061	4.00	4.10	

QC Flag Legend

Processing Flags

Reagents:

MB_L1LVI_WRK_00472	Amount Added: 1.00	Units: mL	
MB_LLIS_WRK_00208	Amount Added: 20.00	Units: uL	Run Reagent

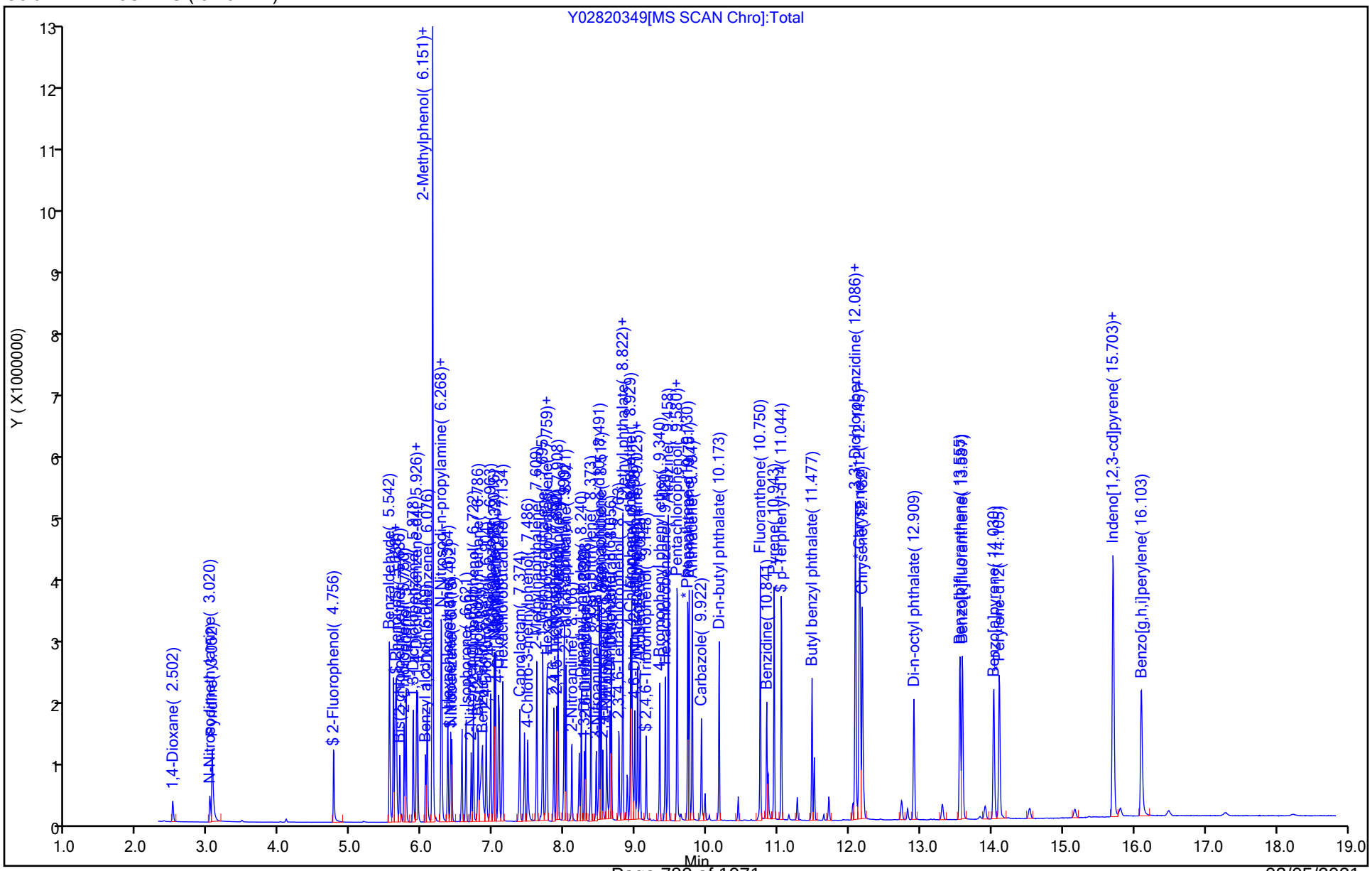
Report Date: 01-Mar-2021 15:16:14 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96898.b\Y02820349.D

Injection Date:	01-Mar-2021 09:55:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Lab Sample ID: CCVIS 480-571002/3 Calibration Date: 03/03/2021 12:20

Instrument ID: HP5973Y Calib Start Date: 02/18/2021 12:07

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 02/18/2021 15:30

Lab File ID: Y02820413.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5134	0.4870	0.0100	3790	4000	-5.1	20.0
N-Nitrosodimethylamine	Ave	0.6584	0.6561	0.0100	3990	4000	-0.4	50.0
Pyridine	Lin2		0.7245	0.0100	7630	8000	-4.6	50.0
Benzaldehyde	Ave	0.9622	0.9289	0.0100	7720	8000	-3.5	50.0
Phenol	Ave	1.512	1.499	0.8000	3960	4000	-0.9	20.0
Aniline	Ave	1.708	1.656	0.0100	3880	4000	-3.1	20.0
Bis(2-chloroethyl)ether	Ave	1.172	1.093	0.7000	3730	4000	-6.7	20.0
2-Chlorophenol	Ave	1.229	1.226	0.8000	3990	4000	-0.3	20.0
n-Decane	Ave	1.330	1.277	0.0100	3840	4000	-4.0	20.0
1,3-Dichlorobenzene	Ave	1.464	1.422	0.0100	3880	4000	-2.9	20.0
1,4-Dichlorobenzene	Ave	1.480	1.430	0.0100	3870	4000	-3.4	20.0
Benzyl alcohol	Lin2		0.6253	0.0100	3910	4000	-2.3	20.0
1,2-Dichlorobenzene	Ave	1.414	1.396	0.0100	3950	4000	-1.3	20.0
2-Methylphenol	Ave	1.024	0.9797	0.7000	3830	4000	-4.3	20.0
Indene	Ave	1.952	1.955	0.0100	20000	20000	0.2	20.0
bis (2-chloroisopropyl) ether	Ave	1.666	1.667	0.0100	4000	4000	0.0	20.0
Acetophenone	Ave	1.537	1.492	0.0100	3880	4000	-2.9	20.0
N-Nitrosodi-n-propylamine	Lin2		0.7797	0.5000	3950	4000	-1.2	20.0
4-Methylphenol	Lin2		1.067	0.6000	4050	4000	1.1	20.0
Hexachloroethane	Ave	0.5675	0.5672	0.3000	4000	4000	-0.0	20.0
Nitrobenzene	Ave	0.3413	0.3551	0.2000	4160	4000	4.1	20.0
Isophorone	Ave	0.5843	0.6031	0.4000	4130	4000	3.2	20.0
2-Nitrophenol	Lin2		0.1869	0.1000	4230	4000	5.7	20.0
2,4-Dimethylphenol	Ave	0.3169	0.3173	0.2000	4000	4000	0.1	20.0
Bis(2-chloroethoxy)methane	Ave	0.3644	0.3659	0.3000	4020	4000	0.4	20.0
Benzoic acid	Lin1		0.1594	0.0100	21400	20000	6.9	50.0
2,4-Dichlorophenol	Lin2		0.3178	0.2000	4200	4000	5.0	20.0
1,2,4-Trichlorobenzene	Ave	0.3638	0.3666	0.0100	4030	4000	0.8	20.0
Naphthalene	Ave	0.9933	0.9945	0.7000	4010	4000	0.1	20.0
4-Chloroaniline	Ave	0.3858	0.3880	0.0100	4020	4000	0.5	20.0
2,6-Dichlorophenol	Ave	0.2888	0.3071	0.0100	4250	4000	6.3	20.0
Hexachlorobutadiene	Ave	0.2289	0.2405	0.0100	4200	4000	5.0	20.0
Caprolactam	Lin2		0.0933	0.0100	8160	8000	2.0	50.0
4-Chloro-3-methylphenol	Lin2		0.2694	0.2000	4150	4000	3.8	20.0
2-Methylnaphthalene	Ave	0.6765	0.6687	0.4000	3950	4000	-1.2	20.0
1-Methylnaphthalene	Ave	0.6272	0.6412	0.0100	4090	4000	2.2	20.0
Hexachlorocyclopentadiene	Lin1		0.2368	0.0500	3660	4000	-8.4	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6645	0.6657	0.0100	4010	4000	0.2	20.0
2,4,6-Trichlorophenol	Lin2		0.3835	0.2000	4070	4000	1.7	20.0
2,4,5-Trichlorophenol	Lin2		0.4185	0.2000	4040	4000	1.0	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Lab Sample ID: CCVIS 480-571002/3 Calibration Date: 03/03/2021 12:20

Instrument ID: HP5973Y Calib Start Date: 02/18/2021 12:07

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 02/18/2021 15:30

Lab File ID: Y02820413.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Biphenyl	Ave	1.455	1.477	0.0100	4060	4000	1.5	20.0
2-Chloronaphthalene	Ave	1.168	1.163	0.8000	3990	4000	-0.4	20.0
2-Nitroaniline	Lin2		0.3033	0.0100	4190	4000	4.7	20.0
Dimethyl phthalate	Ave	1.258	1.313	0.0100	4180	4000	4.4	20.0
1,3-Dinitrobenzene	Lin2		0.1149	0.0100	4350	4000	8.9	20.0
2,6-Dinitrotoluene	Lin2		0.2977	0.2000	4220	4000	5.4	20.0
Acenaphthylene	Ave	1.647	1.708	0.9000	4150	4000	3.7	20.0
3-Nitroaniline	Lin2		0.2827	0.0100	4100	4000	2.4	20.0
Acenaphthene	Ave	1.160	1.161	0.9000	4000	4000	0.0	20.0
2,4-Dinitrophenol	Lin1		0.1147	0.0100	7750	8000	-3.1	20.0
4-Nitrophenol	Lin1		0.1238	0.0100	8110	8000	1.4	20.0
2,4-Dinitrotoluene	Lin2		0.3764	0.2000	4150	4000	3.8	20.0
Dibenzofuran	Ave	1.633	1.613	0.8000	3950	4000	-1.2	20.0
2,3,4,6-Tetrachlorophenol	Lin2		0.2884	0.0100	3870	4000	-3.2	20.0
Diethyl phthalate	Ave	1.212	1.262	0.0100	4160	4000	4.1	20.0
Hexadecane	Ave	0.7073	0.7044	0.0100	3980	4000	-0.4	20.0
4-Chlorophenyl phenyl ether	Ave	0.6821	0.6979	0.4000	4090	4000	2.3	20.0
Fluorene	Ave	1.312	1.339	0.9000	4080	4000	2.0	20.0
4-Nitroaniline	Lin2		0.2905	0.0100	4140	4000	3.4	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.1047	0.0100	8260	8000	3.2	20.0
Diphenylamine	Ave	0.5904	0.5950	0.0100	3450	3420	0.8	20.0
N-Nitrosodiphenylamine	Ave	0.5048	0.5087	0.0100	4030	4000	0.8	20.0
1,2-Diphenylhydrazine	Ave	0.6525	0.6653	0.0100	4080	4000	2.0	20.0
trans-Azobenzene	Ave	0.6525	0.6653	0.0100	4080	4000	2.0	20.0
4-Bromophenyl phenyl ether	Ave	0.2279	0.2343	0.1000	4110	4000	2.8	20.0
Hexachlorobenzene	Ave	0.2696	0.2810	0.1000	4170	4000	4.2	20.0
Atrazine	Ave	0.3601	0.3742	0.0100	8310	8000	3.9	20.0
Pentachlorophenol	Lin1		0.0695	0.0500	5310	8000	-33.7*	20.0
n-Octadecane	Ave	0.3907	0.3974	0.0100	4070	4000	1.7	20.0
Phenanthrene	Ave	1.064	1.078	0.7000	4050	4000	1.3	20.0
Anthracene	Lin2		1.089	0.7000	4110	4000	2.8	20.0
Carbazole	Lin2		0.6005	0.0100	2920	4000	-27.1*	20.0
Di-n-butyl phthalate	Lin2		1.150	0.0100	4150	4000	3.8	20.0
Fluoranthene	Lin2		1.202	0.6000	4220	4000	5.6	20.0
Benzidine	Ave	0.4541	0.2522	0.0100	4440	8000	-44.5	50.0
Pyrene	Ave	1.236	1.260	0.6000	4080	4000	1.9	20.0
Butyl benzyl phthalate	Lin2		0.5009	0.0100	3970	4000	-0.7	20.0
3,3'-Dichlorobenzidine	Ave	0.4166	0.3707	0.0100	7120	8000	-11.0	50.0
Bis(2-ethylhexyl) phthalate	Lin2		0.7584	0.0100	4050	4000	1.3	20.0
Benzo[a]anthracene	Ave	1.193	1.204	0.8000	4040	4000	0.9	20.0
Chrysene	Lin2		1.173	0.7000	4070	4000	1.7	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Lab Sample ID: CCVIS 480-571002/3 Calibration Date: 03/03/2021 12:20

Instrument ID: HP5973Y Calib Start Date: 02/18/2021 12:07

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 02/18/2021 15:30

Lab File ID: Y02820413.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Di-n-octyl phthalate	Lin2		1.213	0.0100	4070	4000	1.8	20.0
Benzo[b]fluoranthene	Lin2		1.268	0.7000	4290	4000	7.1	20.0
Benzo[k]fluoranthene	Lin2		1.216	0.7000	4150	4000	3.8	20.0
Benzo[a]pyrene	Lin2		1.074	0.7000	4210	4000	5.2	20.0
Indeno[1,2,3-cd]pyrene	Lin2		1.433	0.5000	4080	4000	2.0	20.0
Dibenz(a,h)anthracene	Lin2		1.217	0.4000	4110	4000	2.7	20.0
Benzo[g,h,i]perylene	Lin2		1.193	0.5000	4110	4000	2.8	20.0
2-Fluorophenol (Surr)	Lin2		1.101	0.0100	3850	4000	-3.7	20.0
Phenol-d5 (Surr)	Lin2		1.381	0.0100	3870	4000	-3.3	20.0
Nitrobenzene-d5 (Surr)	Ave	0.3351	0.3501	0.0100	4180	4000	4.5	20.0
2-Fluorobiphenyl	Ave	1.354	1.367	0.0100	4040	4000	1.0	20.0
2,4,6-Tribromophenol (Surr)	Lin2		0.1251	0.0100	3950	4000	-1.3	20.0
p-Terphenyl-d14 (Surr)	Ave	0.9746	1.034	0.0100	4240	4000	6.1	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210302-96924.b\Y02820413.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 03-Mar-2021 12:20:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 480-0096924-003
Operator ID: JM Instrument ID: HP5973Y
Sublist: chrom-Y-LVI-8270*sub36

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20210302-96924.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 04-Mar-2021 13:35:53 Calib Date: 02-Mar-2021 17:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96899.b\Y02820384.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1672

First Level Reviewer: marshallj Date: 03-Mar-2021 12:48:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.897	5.897	0.000	94	308620	4.00	4.00	
* 2 Naphthalene-d8	136	6.986	6.986	0.000	99	1051945	4.00	4.00	
* 3 Acenaphthene-d10	164	8.461	8.461	0.000	94	625939	4.00	4.00	
* 4 Phenanthrene-d10	188	9.706	9.706	0.000	97	1136945	4.00	4.00	
* 5 Chrysene-d12	240	12.115	12.115	0.000	99	1096504	4.00	4.00	
* 6 Perylene-d12	264	14.049	14.049	0.000	98	1107025	4.00	4.00	
$ 7 2-Fluorophenol	112	4.732	4.732	0.000	93	339906	4.00	3.85	
$ 8 Phenol-d5	99	5.598	5.598	0.000	0	426273	4.00	3.87	
$ 9 Nitrobenzene-d5	82	6.377	6.377	0.000	89	368251	4.00	4.18	
$ 10 2-Fluorobiphenyl	172	7.884	7.884	0.000	99	855739	4.00	4.04	
$ 11 2,4,6-Tribromophenol	330	9.123	9.123	0.000	93	142273	4.00	3.95	
$ 12 p-Terphenyl-d14	244	11.014	11.014	0.000	98	1133678	4.00	4.24	
13 1,4-Dioxane	88	2.451	2.451	0.000	96	150308	4.00	3.79	
14 N-Nitrosodimethylamine	42	2.959	2.959	0.000	90	202473	4.00	3.99	
15 Pyridine	52	2.996	2.996	0.000	93	447175	8.00	7.63	
35 Benzaldehyde	77	5.512	5.512	0.000	95	573325	8.00	7.72	
37 Phenol	94	5.608	5.608	0.000	97	462602	4.00	3.96	
36 Aniline	93	5.614	5.614	0.000	99	511081	4.00	3.88	
39 Bis(2-chloroethyl)ether	93	5.662	5.662	0.000	92	337290	4.00	3.73	
40 2-Chlorophenol	128	5.720	5.720	0.000	97	378315	4.00	3.99	
41 n-Decane	57	5.747	5.747	0.000	94	394105	4.00	3.84	
43 1,3-Dichlorobenzene	146	5.849	5.849	0.000	99	438735	4.00	3.88	
44 1,4-Dichlorobenzene	146	5.913	5.913	0.000	95	441473	4.00	3.87	
45 Benzyl alcohol	108	6.025	6.025	0.000	91	192991	4.00	3.91	
46 1,2-Dichlorobenzene	146	6.046	6.046	0.000	98	430893	4.00	3.95	
48 2-Methylphenol	108	6.121	6.121	0.000	84	302341	4.00	3.83	
47 Indene	115	6.121	6.121	0.000	93	3016372	20.0	20.0	
49 2,2'-oxybis[1-chloropropane]	45	6.126	6.126	0.000	92	514393	4.00	4.00	
53 N-Nitrosodi-n-propylamine	70	6.244	6.244	0.000	91	240638	4.00	3.95	
52 Acetophenone	105	6.244	6.244	0.000	95	460529	4.00	3.88	
57 4-Methylphenol	108	6.255	6.255	0.000	96	329243	4.00	4.05	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
58 Hexachloroethane	117	6.335	6.335	0.000	93	175064	4.00	4.00	
59 Nitrobenzene	77	6.394	6.394	0.000	89	373541	4.00	4.16	
62 Isophorone	82	6.591	6.591	0.000	98	634474	4.00	4.13	
64 2-Nitrophenol	139	6.666	6.666	0.000	93	196584	4.00	4.23	
66 2,4-Dimethylphenol	107	6.698	6.698	0.000	95	333770	4.00	4.00	
69 Bis(2-chloroethoxy)methane	93	6.762	6.762	0.000	97	384882	4.00	4.02	
70 Benzoic acid	105	6.832	6.832	0.000	90	838473	20.0	21.4	
72 2,4-Dichlorophenol	162	6.880	6.880	0.000	92	334350	4.00	4.20	
73 1,2,4-Trichlorobenzene	180	6.938	6.938	0.000	94	385608	4.00	4.03	
74 Naphthalene	128	7.008	7.008	0.000	98	1046194	4.00	4.01	
76 4-Chloroaniline	127	7.051	7.051	0.000	96	408103	4.00	4.02	
77 2,6-Dichlorophenol	162	7.061	7.061	0.000	98	323050	4.00	4.25	
79 Hexachlorobutadiene	225	7.109	7.109	0.000	93	252966	4.00	4.20	
84 Caprolactam	113	7.350	7.350	0.000	76	196303	8.00	8.16	
85 4-Chloro-3-methylphenol	107	7.462	7.462	0.000	95	283386	4.00	4.15	
87 2-Methylnaphthalene	142	7.585	7.585	0.000	90	703384	4.00	3.95	
89 1-Methylnaphthalene	142	7.670	7.670	0.000	94	674498	4.00	4.09	
90 Hexachlorocyclopentadiene	237	7.718	7.718	0.000	94	148220	4.00	3.66	
91 1,2,4,5-Tetrachlorobenzene	216	7.729	7.729	0.000	96	416660	4.00	4.01	
93 2,4,6-Trichlorophenol	196	7.825	7.825	0.000	92	240044	4.00	4.07	
94 2,4,5-Trichlorophenol	196	7.868	7.868	0.000	95	261962	4.00	4.04	
96 1,1'-Biphenyl	154	7.969	7.969	0.000	96	924519	4.00	4.06	
97 2-Chloronaphthalene	162	7.996	7.996	0.000	95	728082	4.00	3.99	
100 2-Nitroaniline	65	8.076	8.076	0.000	86	189854	4.00	4.19	
105 Dimethyl phthalate	163	8.215	8.215	0.000	99	821886	4.00	4.18	
106 1,3-Dinitrobenzene	168	8.253	8.253	0.000	85	120856	4.00	4.35	
107 2,6-Dinitrotoluene	165	8.269	8.269	0.000	94	186343	4.00	4.22	
108 Acenaphthylene	152	8.343	8.343	0.000	98	1068994	4.00	4.15	
109 3-Nitroaniline	138	8.418	8.418	0.000	95	176983	4.00	4.10	
110 Acenaphthene	153	8.488	8.488	0.000	95	726435	4.00	4.00	
111 2,4-Dinitrophenol	184	8.514	8.514	0.000	87	143564	8.00	7.75	
112 4-Nitrophenol	109	8.568	8.568	0.000	93	154964	8.00	8.11	
114 2,4-Dinitrotoluene	165	8.616	8.616	0.000	95	235618	4.00	4.15	
115 Dibenzofuran	168	8.632	8.632	0.000	96	1009759	4.00	3.95	
118 2,3,4,6-Tetrachlorophenol	232	8.739	8.739	0.000	70	180544	4.00	3.87	
120 Diethyl phthalate	149	8.792	8.792	0.000	98	789807	4.00	4.16	
121 Hexadecane	57	8.792	8.792	0.000	92	440884	4.00	3.98	
123 4-Chlorophenyl phenyl ether	204	8.904	8.904	0.000	90	436873	4.00	4.09	
124 Fluorene	166	8.920	8.920	0.000	93	837984	4.00	4.08	
126 4-Nitroaniline	138	8.931	8.931	0.000	87	181821	4.00	4.14	
127 4,6-Dinitro-2-methylphenol	198	8.963	8.963	0.000	92	238005	8.00	8.26	
130 N-Nitrosodiphenylamine	169	9.000	9.000	0.000	65	578399	4.00	4.03	
129 Diphenylamine	169	9.000	9.000	0.000	92	578399	3.42	3.45	
132 Azobenzene	77	9.038	9.038	0.000	98	756397	4.00	4.08	
131 1,2-Diphenylhydrazine	77	9.038	9.038	0.000	41	756397	4.00	4.08	
139 4-Bromophenyl phenyl ether	248	9.310	9.310	0.000	64	266371	4.00	4.11	
140 Hexachlorobenzene	284	9.390	9.390	0.000	96	319442	4.00	4.17	
143 Atrazine	200	9.433	9.433	0.000	93	468444	8.00	8.31	
145 Pentachlorophenol	266	9.551	9.551	0.000	94	158025	8.00	5.31	
148 n-Octadecane	57	9.556	9.556	0.000	92	451772	4.00	4.07	
151 Phenanthrene	178	9.722	9.722	0.000	98	1226049	4.00	4.05	
152 Anthracene	178	9.764	9.764	0.000	98	1238413	4.00	4.11	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
153 Carbazole	167	9.893	9.893	0.000	96	682724	4.00	2.92	
157 Di-n-butyl phthalate	149	10.144	10.144	0.000	100	1307716	4.00	4.15	
164 Fluoranthene	202	10.721	10.721	0.000	98	1366645	4.00	4.22	
166 Benzidine	184	10.811	10.811	0.000	99	553135	8.00	4.44	
167 Pyrene	202	10.913	10.913	0.000	97	1381729	4.00	4.08	
174 Butyl benzyl phthalate	149	11.442	11.442	0.000	97	549222	4.00	3.97	
181 Bis(2-ethylhexyl) phthalate	149	12.051	12.051	0.000	95	831596	4.00	4.05	
179 3,3'-Dichlorobenzidine	252	12.045	12.045	0.000	73	812992	8.00	7.12	
180 Benzo[a]anthracene	228	12.099	12.099	0.000	99	1319866	4.00	4.04	
182 Chrysene	228	12.142	12.142	0.000	96	1286074	4.00	4.07	
184 Di-n-octyl phthalate	149	12.863	12.863	0.000	99	1329788	4.00	4.07	
186 Benzo[b]fluoranthene	252	13.504	13.504	0.000	97	1403466	4.00	4.29	
187 Benzo[k]fluoranthene	252	13.536	13.536	0.000	99	1345598	4.00	4.15	
189 Benzo[a]pyrene	252	13.969	13.969	0.000	77	1188803	4.00	4.21	
193 Indeno[1,2,3-cd]pyrene	276	15.641	15.641	0.000	98	1586698	4.00	4.08	
194 Dibenz(a,h)anthracene	278	15.646	15.646	0.000	89	1347252	4.00	4.11	
195 Benzo[g,h,i]perylene	276	16.036	16.036	0.000	97	1320578	4.00	4.11	

QC Flag Legend

Processing Flags

Reagents:

MB_L1LVI_WRK_00472	Amount Added: 1.00	Units: mL	
MB_LLIS_WRK_00208	Amount Added: 20.00	Units: uL	Run Reagent

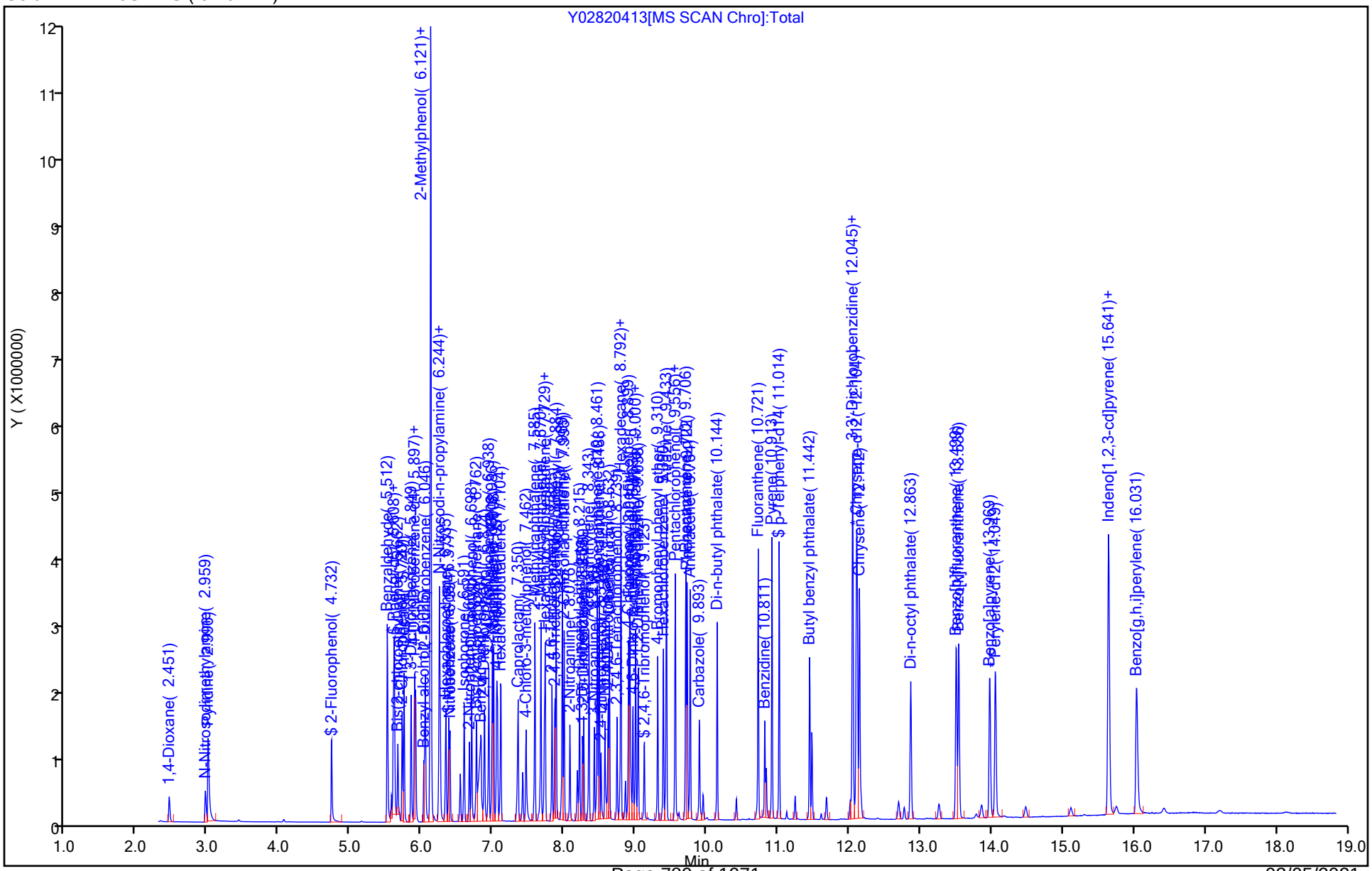
Report Date: 04-Mar-2021 13:35:55 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210302-96924.b\Y02820413.D

Injection Date:	03-Mar-2021 12:20:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y02820280.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 18-Feb-2021 11:38:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: JM Instrument ID: HP5973Y

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 23-Feb-2021 15:20:04 Calib Date: 18-Feb-2021 23:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y02820304.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1615

First Level Reviewer: marshallj Date: 18-Feb-2021 11:59:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
250 Pentachlorophenol_T	266	9.610	9.610	0.000	95	234382	NR	NR	
251 DFTPP									
252 Benzidine_T	184	10.870	10.870	0.000	99	1704551	NR	NR	
253 4,4'-DDE	246		11.025				ND		U
254 4,4'-DDD	235	11.330	11.330	0.000	98	19863		NR	
255 4,4'-DDT	235	11.629	11.629	0.000	99	1114182	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
U - Marked Undetected

Reagents:

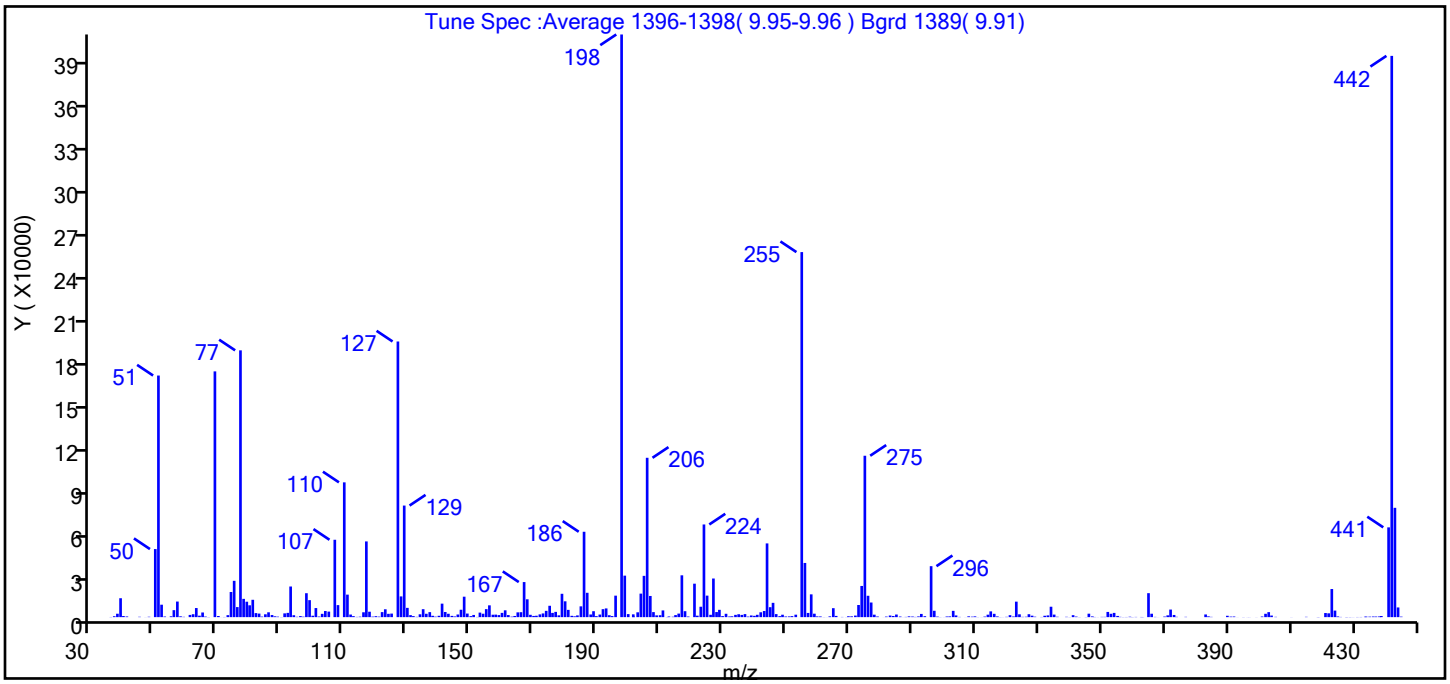
MB_DFTPP_WRK_00386 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y02820280.D
Injection Date: 18-Feb-2021 11:38:30 Instrument ID: HP5973Y
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Tune Method: DFTPP Method 8270D, BP 198

251 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (103.8)
51	10-80% of the base peak	41.5
68	<2% of mass 69	0.0 (0.0)
69	Present	42.2
70	<2% of mass 69	0.2 (0.5)
127	10-80% of the base peak	47.3
197	<2% of mass 198	0.0
199	5-9% of mass 198	7.1
275	10-60% of the base peak	27.7
365	>1% of mass 198	4.1
441	present but <24% of mass 442	15.4 (16.0)
442	base peak, or >50% of 198	96.3
443	15-24% of mass 442	18.8 (19.5)

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y02820280.D\Y-LVI-8270.rslt\spectra.d
Injection Date: 18-Feb-2021 11:38:30
Spectrum: Tune Spec :Average 1396-1398(9.95-9.96) Bgrd 1389(9.91)
Base Peak: 197.90
Minimum % Base Peak: 0
Number of Points: 362

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	113	136.00	2335	229.00	5083	325.00	199
37.00	633	137.00	3475	230.00	739	326.00	283
38.00	2373	138.00	938	231.00	2328	327.00	2038
39.00	13122	139.00	344	232.00	463	328.00	1003
40.00	777	140.00	941	233.00	584	329.00	314
41.00	475	141.00	9364	234.00	1581	331.00	127
45.00	250	142.00	3583	235.00	2009	332.00	960
47.00	41	143.00	2339	236.00	1554	333.00	1203
48.00	271	144.00	876	237.00	2115	334.00	7225
50.00	47224	145.00	480	238.00	386	335.00	1763
51.00	167616	146.00	1831	239.00	1161	336.00	280
52.00	8627	147.00	5137	240.00	918	339.00	231
53.00	430	148.00	14191	241.00	1616	340.00	75
54.00	17	149.00	2484	242.00	3378	341.00	1367
55.00	581	150.00	713	243.00	4251	342.00	392
56.00	4846	151.00	1524	244.00	51152	343.00	81
57.00	10813	152.00	137	245.00	6911	345.00	91
58.00	573	153.00	3143	246.00	9923	346.00	2396
59.00	214	154.00	2371	247.00	2111	347.00	517
60.00	11	155.00	5550	248.00	687	348.00	128
61.00	1538	156.00	8190	249.00	1682	349.00	45
62.00	2027	157.00	1681	250.00	447	350.00	181
63.00	6313	158.00	1747	251.00	501	351.00	193
64.00	1006	159.00	1415	252.00	708	352.00	3613
65.00	3231	160.00	2959	253.00	1710	353.00	2328
66.00	396	161.00	4734	255.00	253248	354.00	2943
67.00	99	162.00	1443	256.00	37592	355.00	838
69.00	170496	163.00	346	257.00	2914	356.00	212
70.00	786	164.00	813	258.00	15812	357.00	86
71.00	31	165.00	3315	259.00	2388	358.00	116
72.00	113	166.00	3435	260.00	509	359.00	291
73.00	1373	167.00	24336	261.00	474	360.00	100
74.00	17440	168.00	12382	262.00	73	361.00	154

Report Date: 23-Feb-2021 15:20:05 Chrom Revision: 2.3 05-Feb-2021 00:13:28
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y02820280.D\Y-LVI-8270.rslt\spectra.d
Injection Date: 18-Feb-2021 11:38:30
Spectrum: Tune Spec :Average 1396-1398(9.95-9.96) Bgrd 1389(9.91)
Base Peak: 197.90
Minimum % Base Peak: 0
Number of Points: 362

m/z	Y	m/z	Y	m/z	Y	m/z	Y
75.00	25200	169.00	1622	263.00	34	363.00	123
76.00	6975	170.00	841	264.00	541	363.00	91
77.00	185088	171.00	980	265.00	6219	365.00	16632
78.00	12682	172.00	1922	266.00	854	366.00	2368
79.00	10698	173.00	2572	268.00	139	367.00	172
80.00	8219	174.00	4364	269.00	51	368.00	37
81.00	12041	175.00	7884	270.00	617	370.00	407
82.00	2807	176.00	2943	271.00	568	371.00	1240
83.00	2464	177.00	3655	272.00	1084	372.00	5258
84.00	375	178.00	1252	273.00	8422	373.00	1510
85.00	1976	179.00	16200	274.00	21632	374.00	224
86.00	3349	180.00	10986	275.00	111968	377.00	207
87.00	1458	181.00	5045	276.00	14825	383.00	1863
88.00	572	182.00	916	277.00	10149	384.00	552
89.00	352	183.00	565	278.00	1708	385.00	194
90.00	90	184.00	1211	279.00	456	390.00	945
91.00	2613	185.00	7491	281.00	32	391.00	371
92.00	2957	186.00	59232	282.00	393	392.00	431
93.00	21256	187.00	16896	283.00	1119	393.00	35
94.00	1333	188.00	1836	284.00	802	395.00	74
95.00	248	189.00	4121	285.00	1816	396.00	41
96.00	725	190.00	693	286.00	427	397.00	55
97.00	321	191.00	1796	287.00	37	399.00	44
98.00	16600	192.00	5526	288.00	162	401.00	438
99.00	11788	193.00	6047	289.00	556	402.00	2324
100.00	976	194.00	1333	290.00	429	403.00	3461
101.00	6302	195.00	751	291.00	157	404.00	1103
102.00	419	196.00	14904	292.00	512	405.00	202
103.00	2290	198.00	404224	293.00	2227	410.00	50
104.00	4247	199.00	28784	294.00	646	415.00	220
105.00	3841	200.00	2114	296.00	35360	419.00	82
107.00	53680	202.00	1948	297.00	4410	419.00	52
108.00	8345	202.00	380	298.00	401	421.00	2851
110.00	93512	203.00	3349	299.00	79	422.00	2651

Report Date: 23-Feb-2021 15:20:05 Chrom Revision: 2.3 05-Feb-2021 00:13:28
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y02820280.D\Y-LVI-8270.rslt\spectra.d
Injection Date: 18-Feb-2021 11:38:30
Spectrum: Tune Spec :Average 1396-1398(9.95-9.96) Bgrd 1389(9.91)
Base Peak: 197.90
Minimum % Base Peak: 0
Number of Points: 362

m/z	Y	m/z	Y	m/z	Y	m/z	Y
111.00	15619	204.00	16315	300.00	45	423.00	19504
112.00	1800	205.00	28640	301.00	439	424.00	4534
113.00	701	206.00	110552	302.00	514	425.00	489
114.00	170	207.00	14689	303.00	4365	426.00	146
115.00	325	208.00	3497	304.00	1181	428.00	77
116.00	3378	209.00	1237	305.00	164	428.00	68
117.00	52536	210.00	1329	307.00	39	429.00	99
118.00	3765	211.00	4667	308.00	559	430.00	55
119.00	363	212.00	83	309.00	329	431.00	114
120.00	663	213.00	468	310.00	533	432.00	118
121.00	361	214.00	281	311.00	70	434.00	291
122.00	3486	215.00	1417	312.00	49	434.00	335
123.00	5451	216.00	2459	313.00	393	435.00	344
124.00	2301	217.00	29016	314.00	1705	436.00	433
125.00	2466	218.00	4126	315.00	4006	437.00	417
127.00	191232	219.00	438	316.00	2301	438.00	507
128.00	14385	221.00	23216	317.00	500	439.00	787
129.00	77408	222.00	1013	318.00	84	441.00	62288
130.00	6435	223.00	7216	319.00	45	442.00	389376
131.00	1400	224.00	64296	320.00	212	443.00	75840
132.00	720	225.00	14927	321.00	1354	444.00	6730
133.00	204	226.00	1621	322.00	444	445.00	354
134.00	1984	227.00	26800	323.00	10754		
135.00	5520	228.00	3525	324.00	1962		

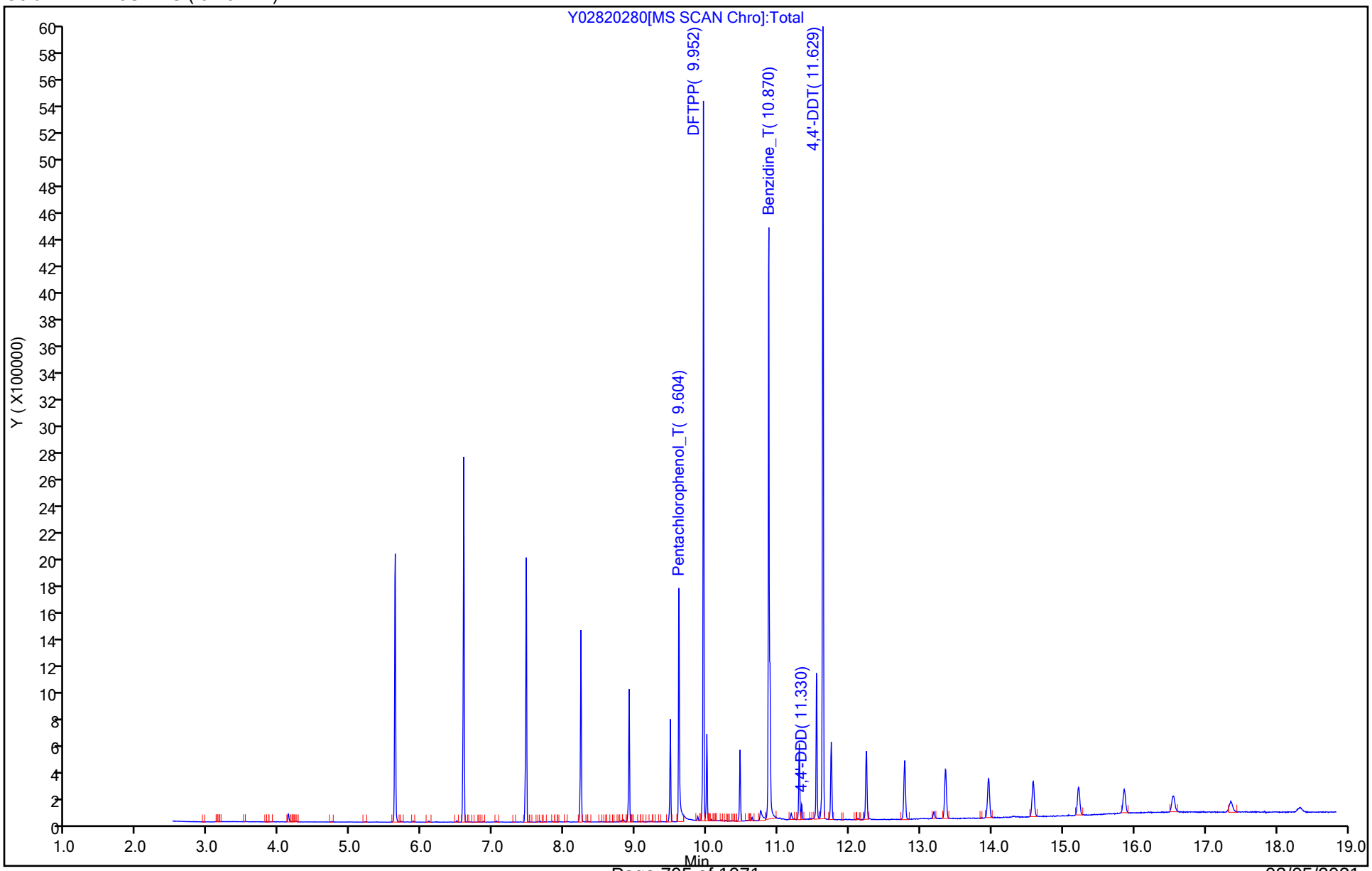
Report Date: 23-Feb-2021 15:20:05 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y02820280.D

Injection Date:	18-Feb-2021 11:38:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	DFTPP			Worklist Smp#:	2
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Breakdown Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y02820280.D
Injection Date: 18-Feb-2021 11:38:30 Instrument ID: HP5973Y
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL

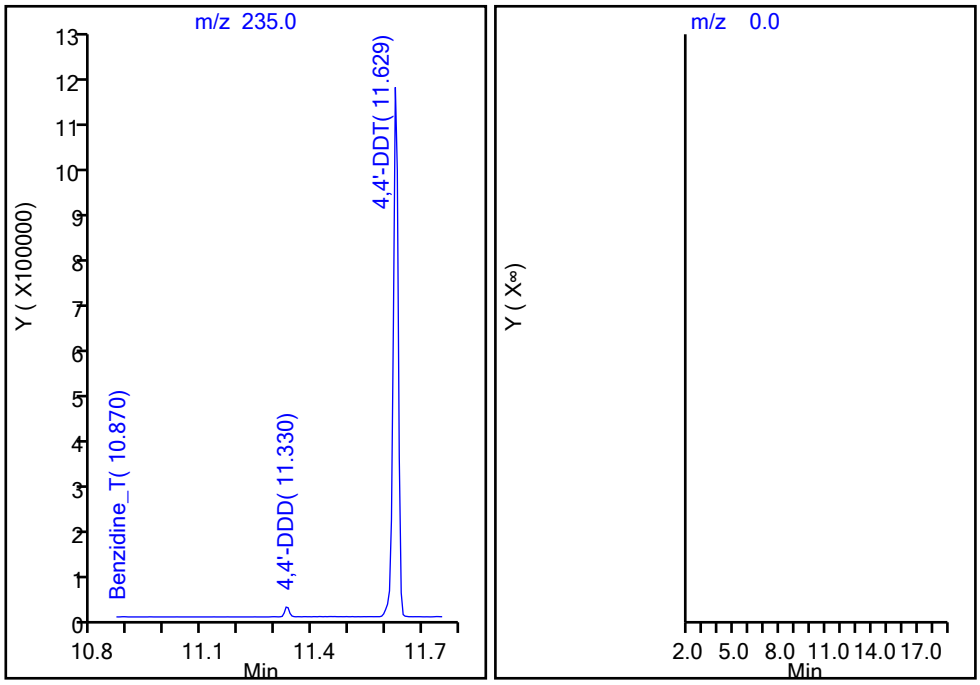
255 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

255 4,4'-DDT, Area = 1114182
254 4,4'-DDD, Area = 19863
253 4,4'-DDE, Area = 0

%Breakdown: 1.75%, <= 20.00%
Passed



Peak Tailing Report

Eurofins TestAmerica, Buffalo

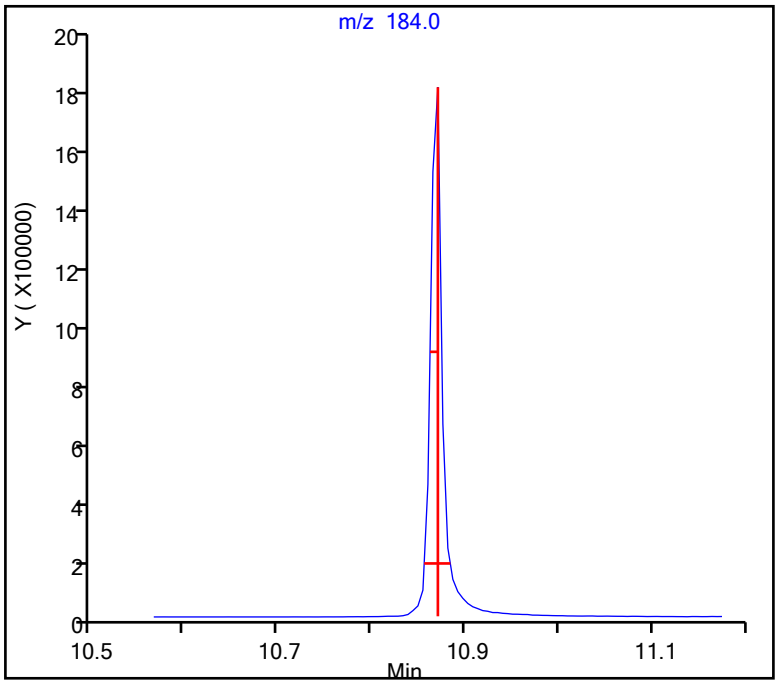
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y02820280.D
Injection Date: 18-Feb-2021 11:38:30 Instrument ID: HP5973Y
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL

252 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.013 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 0.9, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins TestAmerica, Buffalo

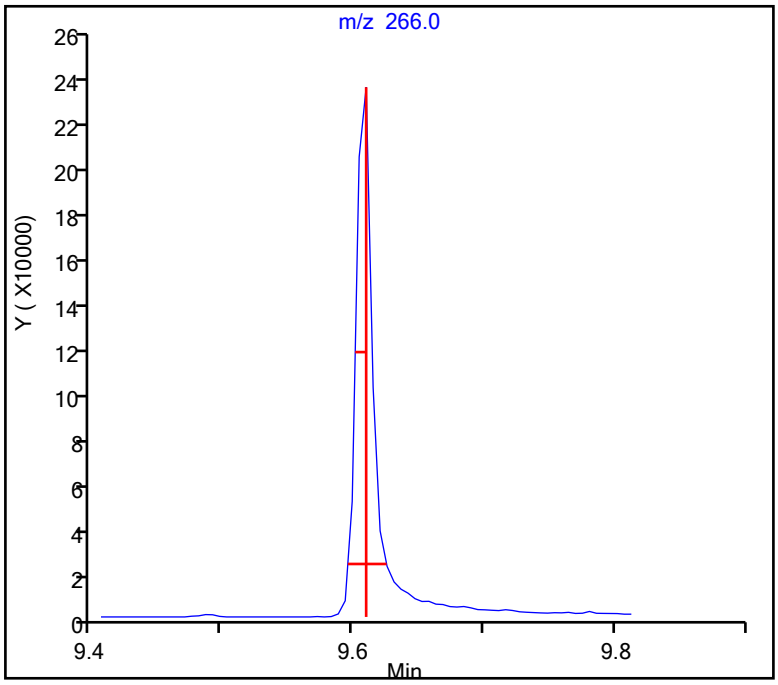
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y02820280.D
Injection Date: 18-Feb-2021 11:38:30 Instrument ID: HP5973Y
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL

250 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.016 (min.)
Front Width = 0.014 (min.)

Tailing Factor = 1.1, Max. Tailing <= 2.00
Passed



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96898.b\Y02820348.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 01-Mar-2021 09:27:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: JM Instrument ID: HP5973Y

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96898.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 01-Mar-2021 15:16:11 Calib Date: 18-Feb-2021 23:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y02820304.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1602

First Level Reviewer: marshallj Date: 01-Mar-2021 09:50:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
250 Pentachlorophenol_T	266	9.577	9.577	0.000	95	264771	NR	NR	
251 DFTPP									
252 Benzidine_T	184	10.837	10.837	0.000	99	1384606	NR	NR	
253 4,4'-DDE	246	10.998	10.998	0.000	90	1997		NR	
254 4,4'-DDD	235	11.302	11.302	0.000	93	6883		NR	
255 4,4'-DDT	235	11.596	11.596	0.000	98	1115505	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

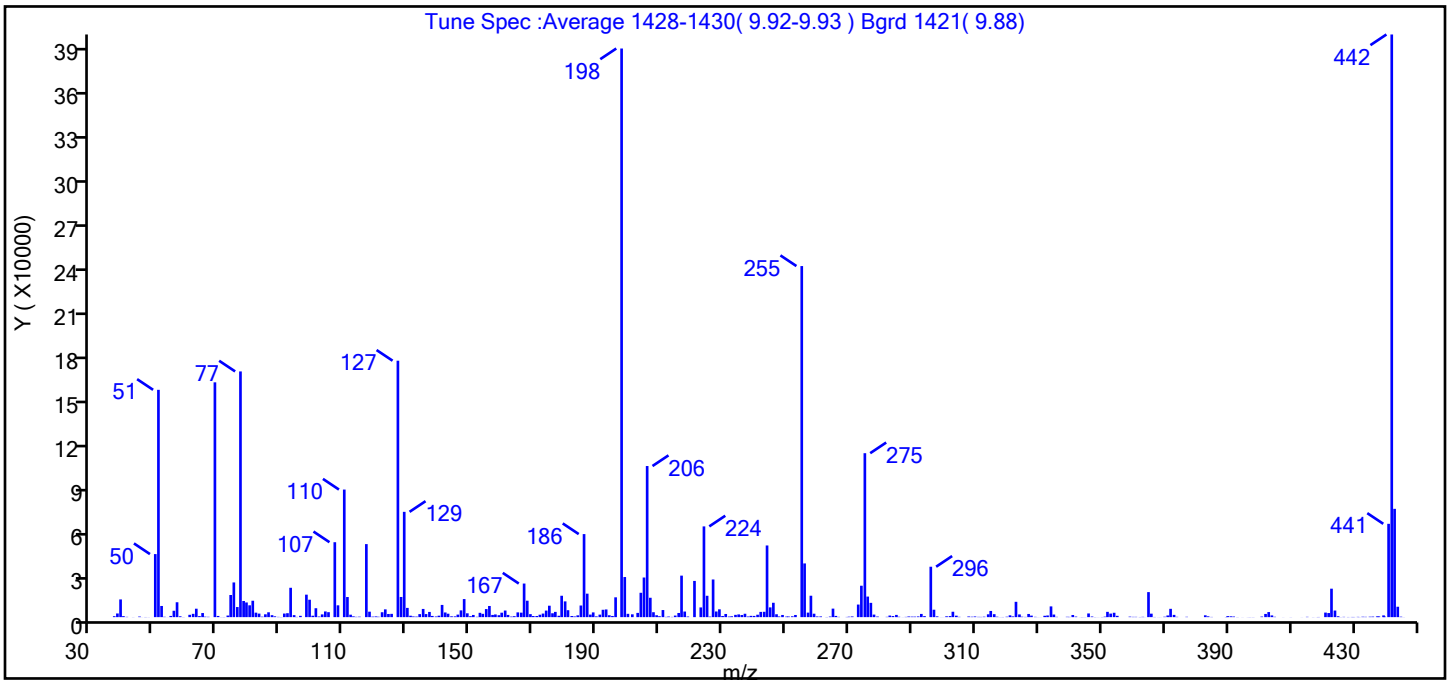
MB_DFTPP_WRK_00386 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96898.b\Y02820348.D
Injection Date: 01-Mar-2021 09:27:30 Instrument ID: HP5973Y
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Tune Method: DFTPP Method 8270D, BP 198

251 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (97.6)
51	10-80% of the base peak	40.0
68	<2% of mass 69	0.0 (0.0)
69	Present	41.3
70	<2% of mass 69	0.2 (0.5)
127	10-80% of the base peak	45.1
197	<2% of mass 198	0.0
199	5-9% of mass 198	7.1
275	10-60% of the base peak	28.8
365	>1% of mass 198	4.4
441	present but <24% of mass 442	16.4 (16.0)
442	base peak, or >50% of 198	102.5
443	15-24% of mass 442	19.0 (18.6)

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96898.b\Y02820348.D\Y-LVI-8270.rslt\spectra.d
Injection Date: 01-Mar-2021 09:27:30
Spectrum: Tune Spec :Average 1428-1430(9.92-9.93) Bgrd 1421(9.88)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 362

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	632	137.00	3519	232.00	394	332.00	924
38.00	2482	138.00	819	233.00	585	333.00	1126
39.00	11957	139.00	432	234.00	1547	334.00	7251
40.00	670	140.00	982	235.00	1840	335.00	1751
41.00	200	141.00	8245	236.00	1428	336.00	206
43.00	59	142.00	3153	237.00	2290	339.00	240
45.00	402	143.00	2308	238.00	427	340.00	176
46.00	35	144.00	563	239.00	881	341.00	1454
47.00	105	145.00	521	240.00	827	342.00	379
48.00	57	146.00	1706	241.00	1627	343.00	38
49.00	13	147.00	4564	242.00	3546	344.00	88
50.00	42552	148.00	12198	243.00	3608	345.00	65
51.00	153408	149.00	2589	244.00	48368	346.00	2489
52.00	7540	150.00	656	245.00	6585	347.00	427
53.00	243	151.00	1481	246.00	9702	348.00	89
54.00	34	152.00	238	247.00	1947	349.00	48
55.00	818	153.00	2919	248.00	469	350.00	104
56.00	4301	154.00	2238	249.00	1468	351.00	327
57.00	10049	155.00	5445	250.00	392	352.00	3574
58.00	568	156.00	7531	251.00	425	353.00	2396
59.00	80	157.00	1496	252.00	575	354.00	2956
61.00	1580	158.00	1822	253.00	1459	355.00	889
62.00	2233	159.00	1295	255.00	236928	359.00	344
63.00	5690	160.00	2999	256.00	36248	360.00	201
64.00	704	161.00	4457	257.00	3049	361.00	200
65.00	2774	162.00	1499	258.00	14454	362.00	109
66.00	327	163.00	384	259.00	2317	363.00	209
67.00	228	164.00	639	260.00	461	364.00	36
69.00	158464	165.00	3214	261.00	483	365.00	16896
70.00	805	166.00	3028	263.00	103	366.00	2349
71.00	71	167.00	22672	264.00	398	367.00	124
72.00	94	168.00	11091	265.00	5751	368.00	41
73.00	1080	169.00	2020	266.00	824	369.00	42

Report Date: 01-Mar-2021 15:16:11 Chrom Revision: 2.3 05-Feb-2021 00:13:28
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96898.b\Y02820348.D\Y-LVI-8270.rslt\spectra.d
Injection Date: 01-Mar-2021 09:27:30
Spectrum: Tune Spec :Average 1428-1430(9.92-9.93) Bgrd 1421(9.88)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 362

m/z	Y	m/z	Y	m/z	Y	m/z	Y
74.00	14947	170.00	752	267.00	182	370.00	281
75.00	23416	171.00	764	269.00	138	371.00	1133
76.00	6812	172.00	1639	270.00	295	372.00	5614
77.00	165824	173.00	2411	271.00	464	373.00	1521
78.00	10899	174.00	4423	273.00	8497	374.00	218
79.00	9905	175.00	7721	274.00	21200	377.00	230
80.00	7993	176.00	2619	275.00	110640	383.00	1243
81.00	11070	177.00	3552	276.00	13880	384.00	554
82.00	3026	178.00	933	277.00	9644	385.00	147
83.00	2387	179.00	14433	278.00	1719	390.00	96
84.00	315	180.00	10635	279.00	417	390.00	698
85.00	1918	181.00	4685	282.00	199	391.00	553
86.00	3266	182.00	761	283.00	1075	392.00	413
87.00	1323	183.00	459	284.00	748	393.00	73
88.00	547	184.00	1213	285.00	1507	395.00	40
89.00	175	185.00	7848	286.00	274	396.00	45
90.00	95	186.00	56048	287.00	43	397.00	70
91.00	2419	187.00	15846	288.00	170	398.00	69
92.00	2661	188.00	1718	289.00	452	401.00	393
93.00	19816	189.00	3202	290.00	351	402.00	2154
94.00	1358	190.00	501	291.00	349	403.00	3422
95.00	159	191.00	1695	292.00	485	404.00	1163
96.00	884	192.00	4970	293.00	2167	405.00	239
98.00	15172	193.00	5189	294.00	680	408.00	38
99.00	11751	194.00	1279	296.00	34024	410.00	57
100.00	953	195.00	785	297.00	5012	414.00	36
101.00	6020	196.00	13374	298.00	530	415.00	209
102.00	409	198.00	383744	299.00	45	417.00	62
103.00	1855	199.00	27064	300.00	38	418.00	42
104.00	3840	200.00	2240	301.00	570	419.00	120
105.00	3347	201.00	1905	302.00	715	421.00	3071
107.00	50568	203.00	2870	303.00	3649	422.00	2764
108.00	7978	204.00	16440	304.00	985	423.00	19208
110.00	86104	205.00	26744	305.00	209	424.00	4451

Report Date: 01-Mar-2021 15:16:11 Chrom Revision: 2.3 05-Feb-2021 00:13:28
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96898.b\Y02820348.D\Y-LVI-8270.rslt\spectra.d
Injection Date: 01-Mar-2021 09:27:30
Spectrum: Tune Spec :Average 1428-1430(9.92-9.93) Bgrd 1421(9.88)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 362

m/z	Y	m/z	Y	m/z	Y	m/z	Y
111.00	13572	206.00	101984	308.00	450	425.00	602
112.00	1656	207.00	13080	309.00	288	426.00	69
113.00	530	208.00	3324	310.00	461	427.00	190
114.00	209	209.00	1284	311.00	195	428.00	115
115.00	318	210.00	622	312.00	164	429.00	129
117.00	49296	211.00	4790	313.00	308	430.00	119
118.00	3692	212.00	173	314.00	1904	431.00	186
119.00	350	213.00	402	315.00	4183	432.00	50
120.00	483	214.00	159	316.00	2008	433.00	275
121.00	278	215.00	1062	317.00	305	434.00	219
122.00	3305	216.00	2809	318.00	65	435.00	302
123.00	5253	217.00	28016	319.00	107	436.00	370
124.00	2133	218.00	3781	320.00	284	437.00	515
125.00	2221	219.00	419	321.00	1224	438.00	503
127.00	173056	221.00	24440	322.00	502	439.00	1180
128.00	13609	223.00	6554	323.00	10347	440.00	405
129.00	71064	224.00	61240	324.00	1831	441.00	62984
130.00	6238	225.00	14420	325.00	307	442.00	393216
131.00	957	226.00	351	326.00	161	443.00	73088
132.00	464	227.00	25416	327.00	2149	444.00	7017
133.00	364	228.00	3818	328.00	1036	445.00	310
134.00	2050	229.00	5289	329.00	202	446.00	54
135.00	5539	230.00	780	330.00	46		
136.00	2077	231.00	2133	331.00	47		

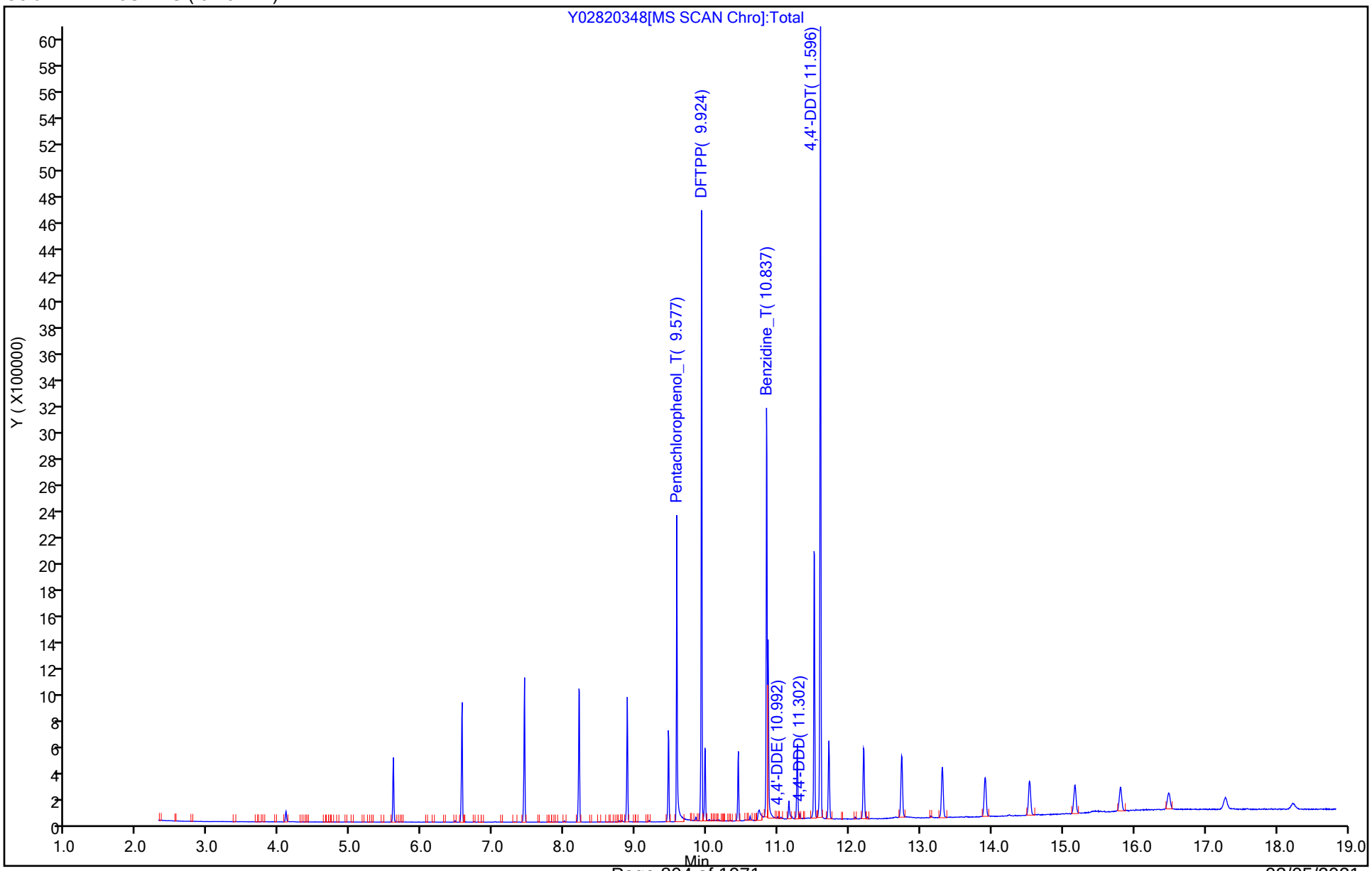
Report Date: 01-Mar-2021 15:16:11 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96898.b\Y02820348.D

Injection Date:	01-Mar-2021 09:27:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	DFTPP			Worklist Smp#:	2
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Breakdown Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96898.b\Y02820348.D
Injection Date: 01-Mar-2021 09:27:30 Instrument ID: HP5973Y
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL

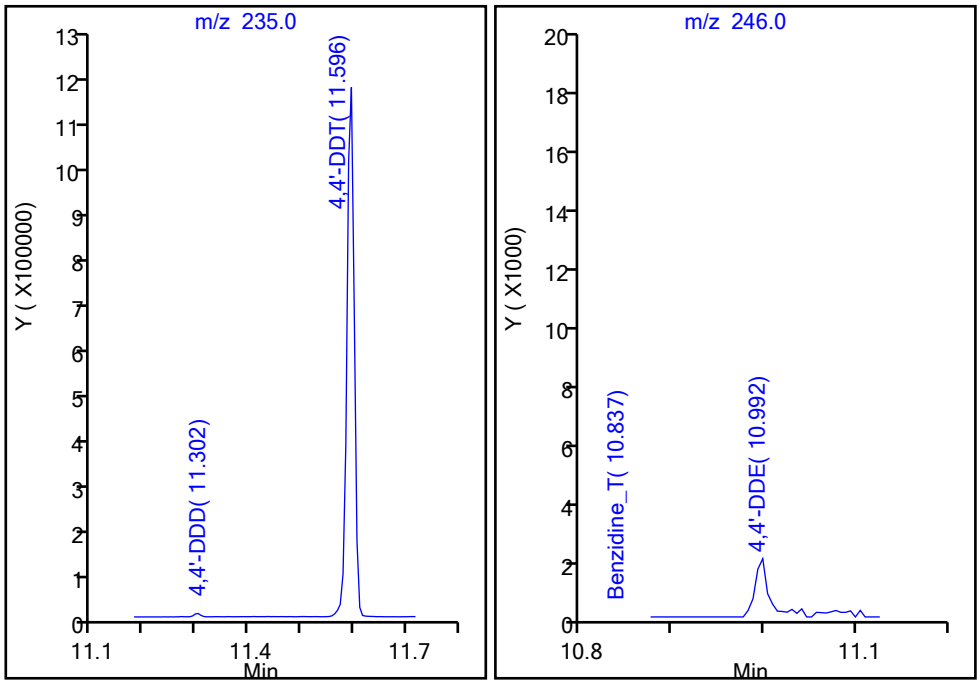
255 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

255 4,4'-DDT, Area = 1115505
254 4,4'-DDD, Area = 6883
253 4,4'-DDE, Area = 1997

%Breakdown: 0.79%, <= 20.00%
Passed



Peak Tailing Report

Eurofins TestAmerica, Buffalo

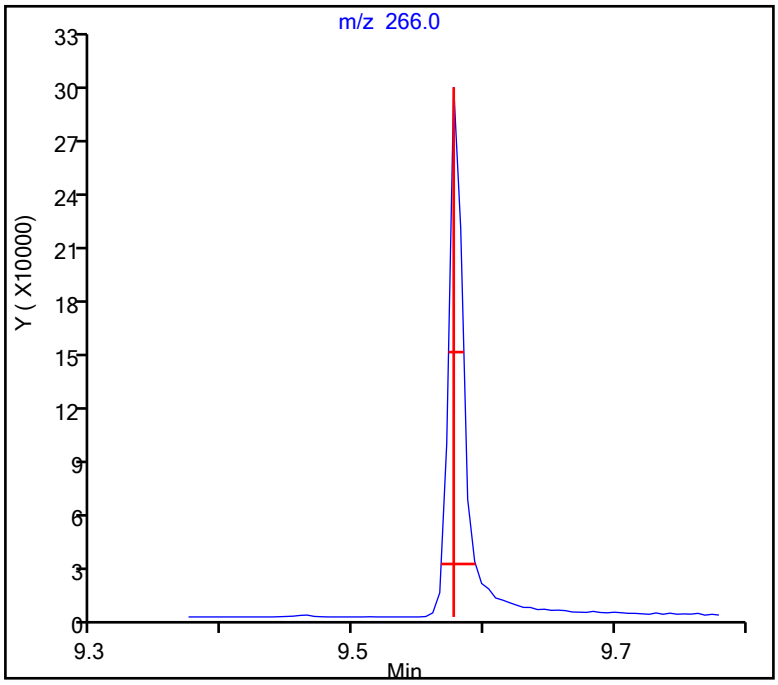
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96898.b\Y02820348.D
Injection Date: 01-Mar-2021 09:27:30 Instrument ID: HP5973Y
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL

250 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.017 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.7, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins TestAmerica, Buffalo

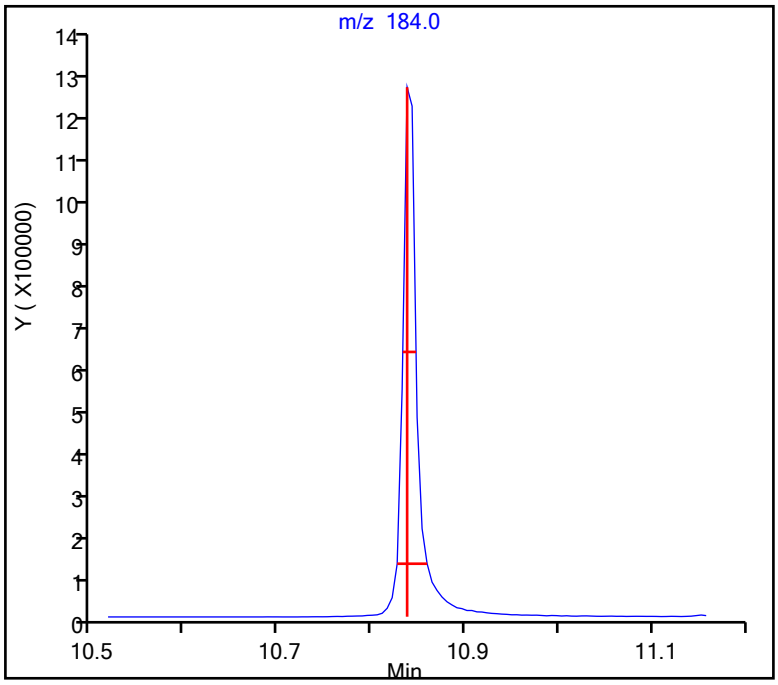
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96898.b\Y02820348.D
Injection Date: 01-Mar-2021 09:27:30 Instrument ID: HP5973Y
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL

252 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.021 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.9, Max. Tailing <= 2.00
Passed



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210302-96924.b\Y02820412.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 03-Mar-2021 11:51:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 480-0096924-002
Operator ID: JM Instrument ID: HP5973Y

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20210302-96924.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 04-Mar-2021 13:35:50 Calib Date: 02-Mar-2021 17:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96899.b\Y02820384.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1672

First Level Reviewer: marshallj Date: 03-Mar-2021 12:12:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
250 Pentachlorophenol_T	266	9.554	9.554	0.000	94	191563	NR	NR	
251 DFTPP									
252 Benzidine_T	184	10.810	10.810	0.000	99	1391299	NR	NR	
253 4,4'-DDE	246	10.964	10.964	0.000	93	3225		NR	
254 4,4'-DDD	235	11.269	11.269	0.000	96	11293		NR	
255 4,4'-DDT	235	11.563	11.563	0.000	98	1059666	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

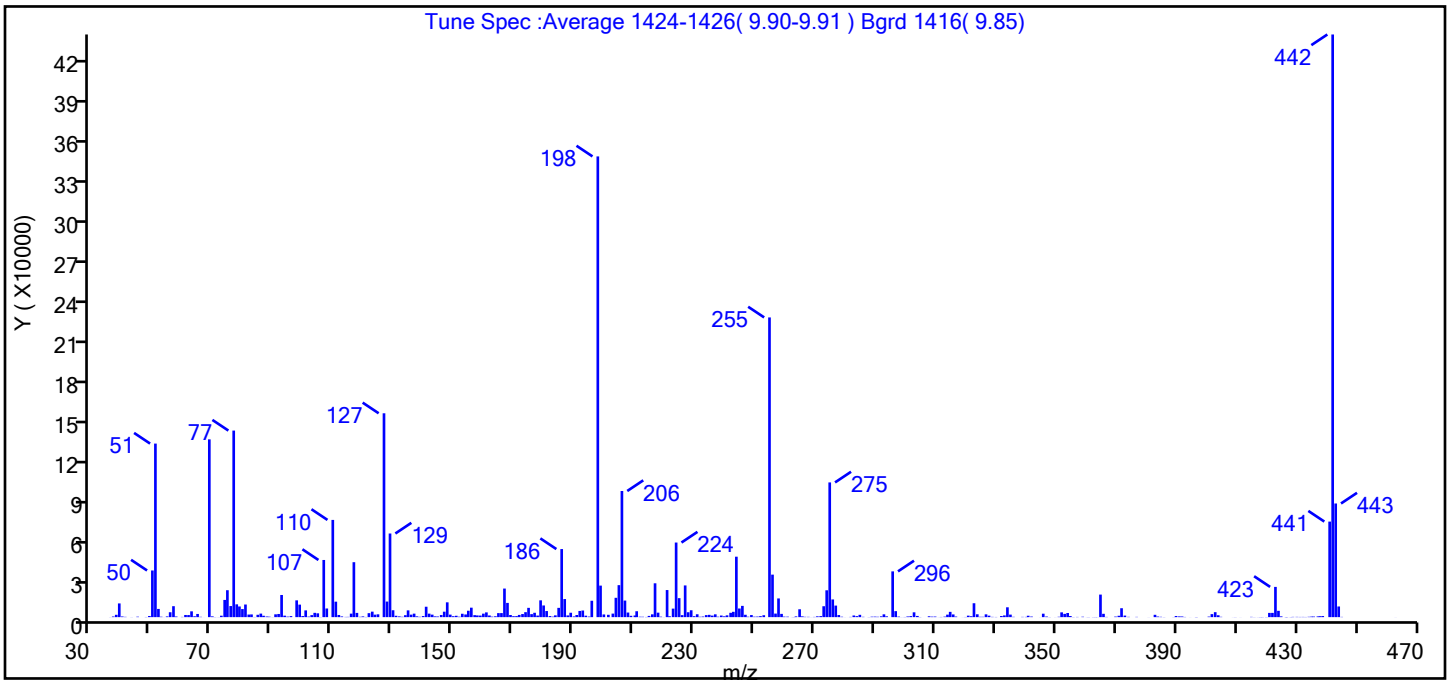
MB_DFTPP_WRK_00388 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210302-96924.b\Y02820412.D
Injection Date: 03-Mar-2021 11:51:30 Instrument ID: HP5973Y
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Tune Method: DFTPP Method 8270D, BP 198

251 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (79.1)
51	10-80% of the base peak	37.7
68	<2% of mass 69	0.0 (0.0)
69	Present	38.6
70	<2% of mass 69	0.2 (0.4)
127	10-80% of the base peak	44.2
197	<2% of mass 198	0.0
199	5-9% of mass 198	6.8
275	10-60% of the base peak	29.2
365	>1% of mass 198	4.9
441	present but <24% of mass 442	20.7 (16.4)
442	base peak, or >50% of 198	126.5
443	15-24% of mass 442	24.7 (19.5)

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210302-96924.b\Y02820412.D\Y-LVI-8270.rslt\spectra.d
Injection Date: 03-Mar-2021 11:51:30
Spectrum: Tune Spec :Average 1424-1426(9.90-9.91) Bgrd 1416(9.85)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 367

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	61	137.00	2600	230.00	701	328.00	1092
37.00	475	138.00	582	231.00	2135	329.00	201
38.00	1744	139.00	253	232.00	285	330.00	136
39.00	10204	140.00	808	233.00	457	332.00	840
40.00	494	141.00	7745	234.00	1505	333.00	1275
41.00	219	142.00	2602	235.00	1704	334.00	7327
43.00	61	143.00	1865	236.00	1144	335.00	1881
45.00	332	144.00	564	237.00	2096	336.00	234
48.00	122	145.00	485	238.00	340	339.00	194
49.00	857	146.00	1567	239.00	1189	340.00	173
50.00	34704	147.00	4058	240.00	610	341.00	1046
51.00	129080	148.00	11017	241.00	1345	342.00	433
52.00	6108	149.00	1875	242.00	3226	345.00	39
53.00	319	150.00	690	243.00	3964	346.00	2565
54.00	33	151.00	1024	244.00	44960	347.00	450
55.00	535	152.00	325	245.00	6428	348.00	85
56.00	3646	153.00	2518	246.00	8376	350.00	47
57.00	8151	154.00	1996	247.00	1765	351.00	281
58.00	467	155.00	4767	248.00	330	352.00	3570
60.00	172	156.00	7043	249.00	1552	353.00	2426
61.00	1606	157.00	1485	250.00	337	354.00	3086
62.00	1546	158.00	1271	251.00	417	355.00	824
63.00	4330	159.00	1183	252.00	746	356.00	100
64.00	655	160.00	2605	253.00	1418	357.00	157
65.00	2369	161.00	3540	255.00	222912	359.00	307
66.00	237	162.00	1241	256.00	31616	360.00	47
67.00	19	163.00	378	257.00	2644	361.00	85
69.00	132224	164.00	641	258.00	13916	362.00	92
70.00	570	165.00	2998	259.00	2423	363.00	112
71.00	98	166.00	3017	260.00	378	364.00	61
72.00	69	167.00	21264	261.00	361	365.00	16776
73.00	1072	168.00	10589	262.00	45	366.00	2482
74.00	12805	169.00	1596	263.00	92	367.00	170

Report Date: 04-Mar-2021 13:35:51 Chrom Revision: 2.3 05-Feb-2021 00:13:28
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210302-96924.b\Y02820412.D\Y-LVI-8270.rslt\spectra.d
Injection Date: 03-Mar-2021 11:51:30
Spectrum: Tune Spec :Average 1424-1426(9.90-9.91) Bgrd 1416(9.85)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 367

m/z	Y	m/z	Y	m/z	Y	m/z	Y
75.00	20032	170.00	702	264.00	550	370.00	418
76.00	8247	171.00	758	265.00	5855	371.00	1017
77.00	138752	172.00	1658	266.00	565	372.00	6641
78.00	9531	173.00	2299	267.00	241	373.00	1157
79.00	7932	174.00	3699	268.00	225	374.00	218
80.00	6001	175.00	6915	269.00	49	377.00	193
81.00	9394	176.00	2242	270.00	172	381.00	43
82.00	1923	177.00	3250	271.00	599	383.00	1740
83.00	2023	178.00	1183	272.00	761	384.00	451
84.00	126	179.00	12494	273.00	8117	385.00	245
85.00	1762	180.00	8684	274.00	19976	386.00	85
86.00	2630	181.00	4534	275.00	100200	389.00	72
87.00	1029	182.00	797	276.00	13159	390.00	838
88.00	475	183.00	364	277.00	8590	391.00	545
89.00	340	184.00	1326	278.00	1561	392.00	485
90.00	72	185.00	6903	279.00	308	393.00	145
91.00	2098	186.00	50632	280.00	39	395.00	35
92.00	2357	187.00	13453	281.00	17	397.00	45
93.00	16480	188.00	1288	282.00	176	397.00	108
94.00	1099	189.00	3269	283.00	1230	401.00	409
95.00	393	190.00	516	284.00	754	402.00	2239
96.00	775	191.00	1597	285.00	1734	403.00	3687
98.00	12486	192.00	4605	286.00	237	404.00	1404
99.00	9308	193.00	4930	288.00	90	405.00	247
100.00	810	194.00	1082	289.00	341	409.00	35
101.00	5028	195.00	424	290.00	381	410.00	73
102.00	392	196.00	12188	291.00	278	411.00	35
103.00	1497	198.00	342656	292.00	594	415.00	195
104.00	3201	199.00	23448	293.00	2093	416.00	73
105.00	2847	200.00	2009	294.00	611	417.00	57
106.00	101	202.00	1750	296.00	34032	418.00	109
107.00	42520	202.00	30	297.00	4456	419.00	111
108.00	6432	203.00	2635	298.00	411	420.00	99
110.00	72312	204.00	14383	299.00	56	421.00	3158

Report Date: 04-Mar-2021 13:35:51 Chrom Revision: 2.3 05-Feb-2021 00:13:28
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210302-96924.b\Y02820412.D\Y-LVI-8270.rslt\spectra.d
Injection Date: 03-Mar-2021 11:51:30
Spectrum: Tune Spec :Average 1424-1426(9.90-9.91) Bgrd 1416(9.85)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 367

m/z	Y	m/z	Y	m/z	Y	m/z	Y
111.00	11508	205.00	23792	300.00	122	422.00	3168
112.00	1609	206.00	93816	301.00	491	423.00	22496
113.00	525	207.00	12325	302.00	766	424.00	4703
114.00	166	208.00	3417	303.00	3588	425.00	565
115.00	201	209.00	999	304.00	895	426.00	105
116.00	2610	210.00	1228	305.00	112	427.00	105
117.00	40864	211.00	4397	308.00	633	428.00	108
118.00	3156	212.00	314	309.00	381	429.00	196
119.00	249	213.00	282	310.00	426	430.00	202
120.00	544	214.00	125	311.00	38	431.00	160
121.00	138	215.00	922	312.00	144	432.00	175
122.00	2956	216.00	2086	313.00	391	433.00	135
123.00	4091	217.00	25176	314.00	1851	434.00	262
124.00	1853	218.00	3328	315.00	3938	435.00	411
125.00	2098	219.00	345	316.00	2018	436.00	428
127.00	151616	220.00	52	317.00	428	437.00	534
128.00	11589	221.00	20152	319.00	35	438.00	707
129.00	62208	222.00	669	320.00	125	439.00	805
130.00	5126	223.00	6346	321.00	1104	441.00	71064
131.00	1016	224.00	55488	322.00	655	442.00	433344
132.00	564	225.00	14126	323.00	10338	443.00	84528
133.00	258	226.00	1479	324.00	2121	444.00	7932
134.00	1447	227.00	23584	325.00	265	445.00	186
135.00	5042	228.00	3645	326.00	271	463.00	34
136.00	1858	229.00	5123	327.00	2089		

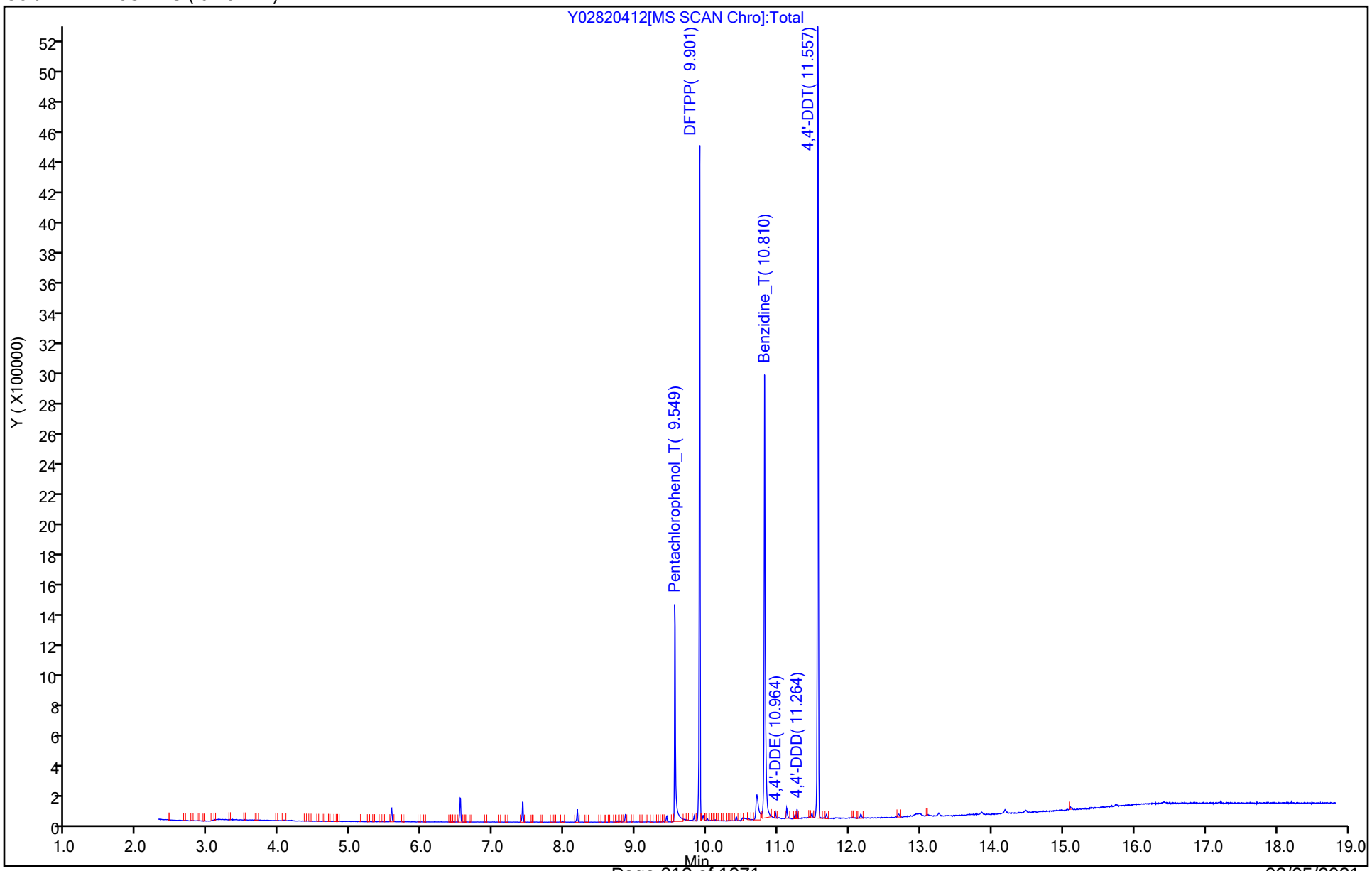
Report Date: 04-Mar-2021 13:35:51 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210302-96924.b\Y02820412.D

Injection Date:	03-Mar-2021 11:51:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	DFTPP			Worklist Smp#:	2
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Breakdown Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210302-96924.b\Y02820412.D
Injection Date: 03-Mar-2021 11:51:30 Instrument ID: HP5973Y
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL

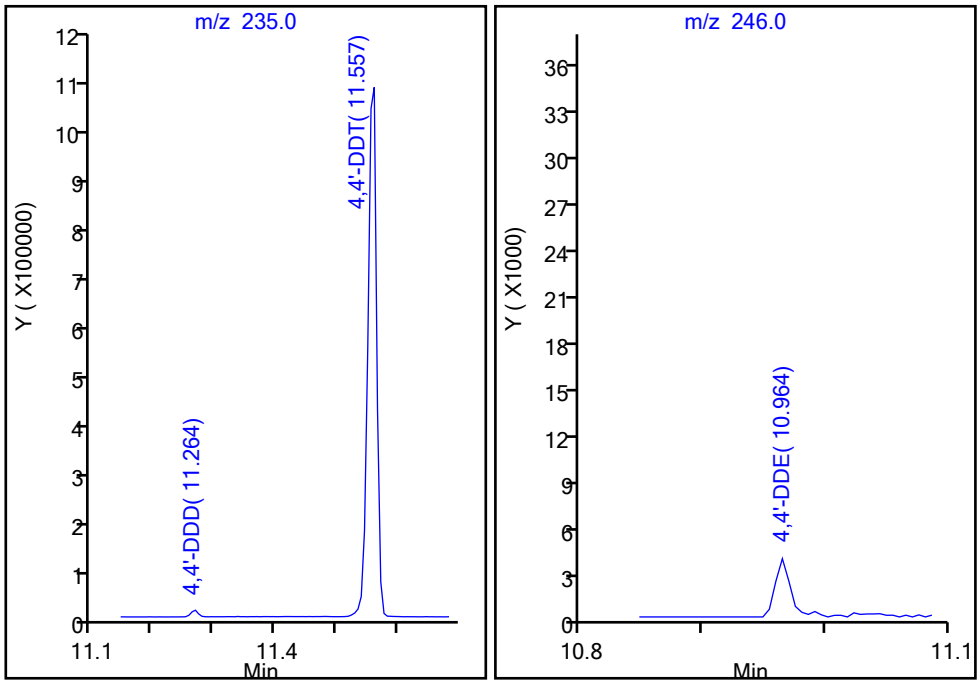
255 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

255 4,4'-DDT, Area = 1059666
254 4,4'-DDD, Area = 11293
253 4,4'-DDE, Area = 3225

%Breakdown: 1.35%, <= 20.00%
Passed



Peak Tailing Report

Eurofins TestAmerica, Buffalo

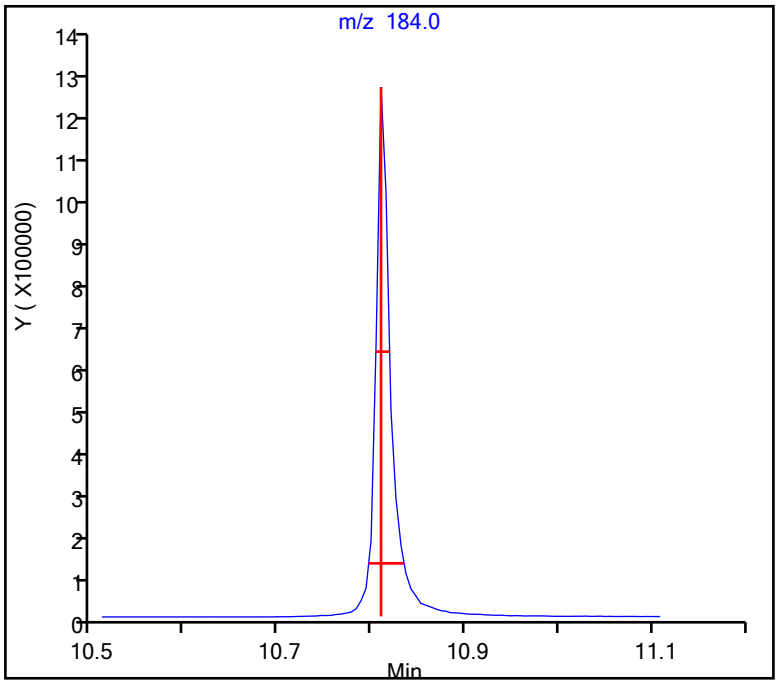
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210302-96924.b\Y02820412.D
Injection Date: 03-Mar-2021 11:51:30 Instrument ID: HP5973Y
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL

252 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.025 (min.)
Front Width = 0.013 (min.)

Tailing Factor = 1.9, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins TestAmerica, Buffalo

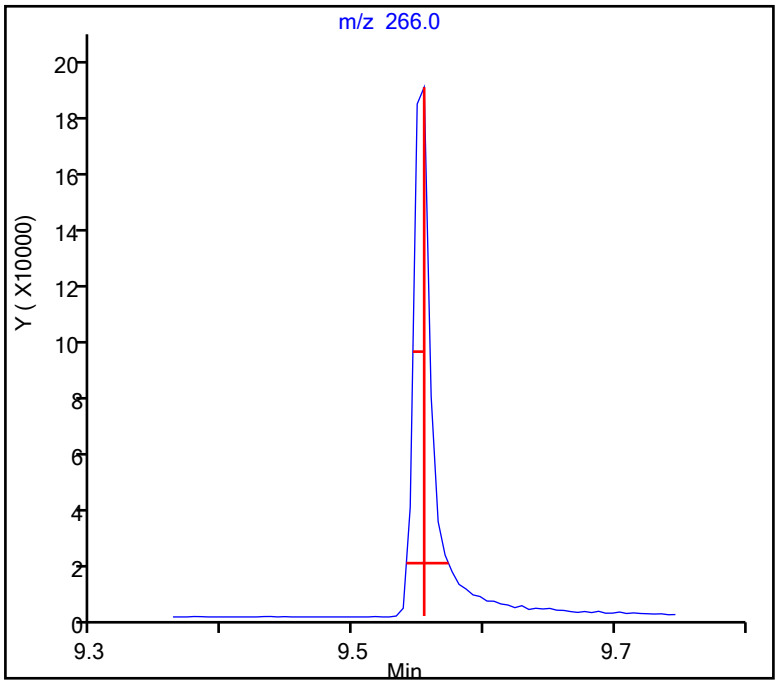
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210302-96924.b\Y02820412.D
Injection Date: 03-Mar-2021 11:51:30 Instrument ID: HP5973Y
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL

250 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.019 (min.)
Front Width = 0.014 (min.)

Tailing Factor = 1.4, Max. Tailing <= 2.00
Passed



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-570715/1-A

Matrix: Water Lab File ID: Y02820355.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 02/26/2021 09:50

Sample wt/vol: 250(mL) Date Analyzed: 03/01/2021 12:52

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

Injection Volume: 2(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 570863 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
120-12-7	Anthracene	ND		5.0	0.28
56-55-3	Benzo[a]anthracene	ND		5.0	0.36
50-32-8	Benzo[a]pyrene	ND		5.0	0.47
205-99-2	Benzo[b]fluoranthene	ND		5.0	0.34
191-24-2	Benzo[g,h,i]perylene	ND		5.0	0.35
207-08-9	Benzo[k]fluoranthene	ND		5.0	0.73
218-01-9	Chrysene	ND		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.0	0.47
91-20-3	Naphthalene	ND		5.0	0.76
85-01-8	Phenanthrene	ND		5.0	0.44
129-00-0	Pyrene	ND		5.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	98		48-120
4165-60-0	Nitrobenzene-d5 (Surr)	99		46-120
1718-51-0	p-Terphenyl-d14 (Surr)	114		60-148

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96898.b\Y02820355.D
Lims ID: MB 480-570715/1-A
Client ID:
Sample Type: MB
Inject. Date: 01-Mar-2021 12:52:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 480-0096898-009
Operator ID: JM Instrument ID: HP5973Y

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96898.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 01-Mar-2021 15:16:26 Calib Date: 18-Feb-2021 23:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y02820304.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1602

First Level Reviewer: marshallj Date: 01-Mar-2021 15:06:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.921	5.922	-0.001	95	276715	4.00	4.00	
* 2 Naphthalene-d8	136	7.011	7.012	-0.001	99	1002975	4.00	4.00	
* 3 Acenaphthene-d10	164	8.485	8.486	-0.001	95	579746	4.00	4.00	
* 4 Phenanthrene-d10	188	9.730	9.731	-0.001	97	1033168	4.00	4.00	
* 5 Chrysene-d12	240	12.150	12.151	-0.001	99	951897	4.00	4.00	
* 6 Perylene-d12	264	14.105	14.106	-0.001	98	932998	4.00	4.00	
$ 7 2-Fluorophenol	112	4.778	4.762	0.016	92	488906	8.00	6.12	
$ 8 Phenol-d5	99	5.622	5.622	0.000	0	459077	8.00	4.64	
$ 9 Nitrobenzene-d5	82	6.402	6.402	0.000	90	665589	8.00	7.92	
$ 10 2-Fluorobiphenyl	172	7.908	7.908	0.000	99	1533705	8.00	7.82	
$ 11 2,4,6-Tribromophenol	330	9.148	9.148	0.000	92	263263	8.00	7.87	
$ 12 p-Terphenyl-d14	244	11.050	11.044	0.006	98	2124169	8.00	9.16	
237 Lidocaine	1		0.195					ND	
13 1,4-Dioxane	88		2.502					ND	
14 N-Nitrosodimethylamine	42		3.020					ND	
15 Pyridine	52		3.052					ND	
19 2-Picoline	93		4.095					ND	
20 N-Nitrosomethylethylamine	88		4.250					ND	
22 Methyl methanesulfonate	80		4.565					ND	
24 Acrylamide	71		4.592					ND	
18 1-Methylcyclopentanol	71		4.615					ND	
28 N-Nitrosodiethylamine	102		4.955					ND	
21 2-Chlorobenzotrifluoride	180		5.160					ND	
23 4-Chlorobenzotrifluoride	180		5.229					ND	
30 Ethyl methanesulfonate	79		5.244					ND	
25 n,n'-Dimethylacetamide	87		5.276					ND	
26 4-Chloropyridine	78		5.448					ND	
196 CBF-400	214		5.530					ND	
35 Benzaldehyde	77		5.542					ND	
27 3-Chloropyridine	78		5.554					ND	
37 Phenol	94		5.633					ND	
29 3-Chlorobenzotrifluoride	180		5.635					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
36 Aniline	93		5.643					ND	
38 Pentachloroethane	167		5.676					ND	U
39 Bis(2-chloroethyl)ether	93		5.686					ND	
40 2-Chlorophenol	128		5.750					ND	
41 n-Decane	57	5.777	5.777	0.000	88	4004		0.0435	
43 1,3-Dichlorobenzene	146		5.878					ND	
31 2-Chloropyridine	78		5.912					ND	
257 CBF-500	161		5.934					ND	
44 1,4-Dichlorobenzene	146		5.937					ND	
45 Benzyl alcohol	108		6.049					ND	
32 2-Chlorotoluene	91		6.073					ND	
46 1,2-Dichlorobenzene	146		6.076					ND	
33 3-Chlorotoluene	91		6.106					ND	
34 4-Chlorotoluene	91		6.106					ND	
48 2-Methylphenol	108		6.145					ND	
47 Indene	115	6.151	6.151	0.000	80	2249		0.0167	
49 2,2'-oxybis[1-chloropropane]	45		6.156					ND	
50 N-Nitrosopyrrolidine	100		6.248					ND	
53 N-Nitrosodi-n-propylamine	70		6.268					ND	
52 Acetophenone	105	6.279	6.274	0.005	94	5163		0.0486	
57 4-Methylphenol	108		6.279					ND	
54 N-Nitrosomorpholine	56		6.280					ND	
56 2-Toluidine	106		6.301					ND	
55 4-Methylbenzenamine	106		6.306					ND	
42 p-Fluoroaniline	111		6.360					ND	
58 Hexachloroethane	117		6.364					ND	
59 Nitrobenzene	77		6.418					ND	
61 N-Nitrosopiperidine	114		6.542					ND	
62 Isophorone	82		6.621					ND	
63 2-Chloroaniline	127		6.659					ND	
64 2-Nitrophenol	139		6.690					ND	
66 2,4-Dimethylphenol	107		6.722					ND	
67 Tetraethyl lead	237		6.755					ND	
68 o,o',o''-Triethylphosphorothioat	198		6.761					ND	
69 Bis(2-chloroethoxy)methane	93		6.786					ND	
70 Benzoic acid	105		6.851					ND	
71 alpha,alpha-Dimethyl phenethylam	58		6.878					ND	
51 N-Methylaniline	106		6.894					ND	
72 2,4-Dichlorophenol	162		6.904					ND	
73 1,2,4-Trichlorobenzene	180		6.963					ND	
75 Alpha-Terpineol	59		7.028					ND	
74 Naphthalene	128	7.032	7.032	0.000	91	2013		0.008083	
60 2,6-Dichloropyridine	112		7.065					ND	
76 4-Chloroaniline	127		7.075					ND	
77 2,6-Dichlorophenol	162		7.086					ND	
78 Hexachloropropene	213		7.108					ND	
79 Hexachlorobutadiene	225		7.134					ND	
241 5-Methyl-o-Anisidine	122		7.194					ND	
65 Benzeneacetonitrile	117		7.280					ND	
81 Quinoline	129		7.311					ND	
282 2,4-Dichlorotoluene	125		7.324					ND	
82 N-Nitrosodi-n-butylamine	84		7.338					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
83 p-Phenylene diamine	108		7.364					ND	
84 Caprolactam	113		7.374					ND	
287 1,3,5-Trichlorobenzene	180		7.388					ND	
85 4-Chloro-3-methylphenol	107		7.486					ND	
86 Safrole, Total	162		7.525					ND	
87 2-Methylnaphthalene	142	7.615	7.609	0.006	88	2851		0.0168	
286 4-Chlorophenol	128		7.644					ND	
88 Phthalic anhydride	104		7.658					ND	
89 1-Methylnaphthalene	142	7.700	7.695	0.005	94	1823		0.0116	
90 Hexachlorocyclopentadiene	237		7.748					ND	
91 1,2,4,5-Tetrachlorobenzene	216		7.759					ND	
275 Isosafrole Peak 1	162		7.770					ND	
80 Benzeneacetic acid (TIC)	91		7.835					ND	
284 2,3-Dichlorobenzenamine	161		7.850					ND	
93 2,4,6-Trichlorophenol	196		7.855					ND	
94 2,4,5-Trichlorophenol	196		7.892					ND	
277 Isosafrole Peak 2	162		7.963					ND	
95 Isosafrole	162		7.963					ND	
96 1,1'-Biphenyl	154	7.994	7.999	-0.005	94	2753		0.0131	
97 2-Chloronaphthalene	162		8.021					ND	
99 1-Chloronaphthalene	162		8.043					ND	
100 2-Nitroaniline	65		8.106					ND	
103 Dicyclohexylamine	138		8.166					ND	
102 1,4-Naphthoquinone	158		8.166					ND	
104 1,4-Dinitrobenzene	168		8.214					ND	
105 Dimethyl phthalate	163		8.240					ND	
106 1,3-Dinitrobenzene	168		8.282					ND	
198 NVF-400	82	8.282	8.290	-0.008	0	211		0.000841	
107 2,6-Dinitrotoluene	165		8.298					ND	
258 CU-600	58	8.325	8.317	0.008	0	46		0.000183	
281 2,4,5-Trichlorotoluene	159		8.333					ND	
108 Acenaphthylene	152		8.373					ND	
109 3-Nitroaniline	138		8.448					ND	
110 Acenaphthene	153		8.517					ND	
111 2,4-Dinitrophenol	184		8.539					ND	
112 4-Nitrophenol	109		8.592					ND	
113 Pentachlorobenzene	250		8.631					ND	
114 2,4-Dinitrotoluene	165		8.640					ND	
115 Dibenzofuran	168		8.662					ND	
116 1-Naphthylamine	143		8.721					ND	
117 2,3,5,6-Tetrachlorophenol	232		8.732					ND	
285 1,2,3,4 -Tetrachlorobenzene	216		8.743					ND	
118 2,3,4,6-Tetrachlorophenol	232		8.768					ND	
119 2-Naphthylamine	143		8.785					ND	
121 Hexadecane	57	8.817	8.822	-0.005	74	1527		0.0149	
120 Diethyl phthalate	149	8.817	8.822	-0.005	58	943		0.005367	
122 Thionazin	97		8.887					ND	
123 4-Chlorophenyl phenyl ether	204		8.929					ND	
124 Fluorene	166		8.945					ND	
125 N-Nitro-o-toluidine	152		8.951					ND	
126 4-Nitroaniline	138		8.961					ND	
128 Tributyl phosphate	99		8.983					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
127 4,6-Dinitro-2-methylphenol	198		8.987					ND	
130 N-Nitrosodiphenylamine	169		9.030					ND	
129 Diphenylamine	169		9.030					ND	
132 Azobenzene	77		9.062					ND	
131 1,2-Diphenylhydrazine	77		9.062					ND	
134 Sulfotepp	322		9.138					ND	
278 Diallate Peak 1	86		9.256					ND	
136 Diallate	86		9.256					ND	
137 Phorate	75		9.266					ND	
135 1,3,5-Trinitrobenzene	213		9.272					ND	
138 Phenacetin	108		9.277					ND	
280 Diallate Peak 2	86		9.336					ND	
139 4-Bromophenyl phenyl ether	248		9.340					ND	
141 Dimethoate	87		9.410					ND	
140 Hexachlorobenzene	284		9.420					ND	
142 Simazine	201		9.432					ND	
143 Atrazine	200		9.458					ND	
144 4-Aminobiphenyl	169		9.560					ND	
145 Pentachlorophenol	266		9.580					ND	
148 n-Octadecane	57	9.580	9.586	-0.006	82	1242		0.0123	
146 Pentachloronitrobenzene	237		9.587					ND	
147 Pronamide	173		9.592					ND	
149 Disulfoton	88		9.699					ND	U
150 Dinoseb	211		9.710					ND	
151 Phenanthrene	178	9.751	9.751	0.000	93	4632		0.0169	a
152 Anthracene	178		9.794					ND	U
153 Carbazole	167		9.922					ND	
154 Alachlor	160		10.019					ND	
155 Methyl parathion	109		10.019					ND	
157 Di-n-butyl phthalate	149	10.173	10.173	0.000	98	4351		0.0755	
158 Ethyl Parathion	97		10.335					ND	
159 4-Nitroquinoline-1-oxide	190		10.399					ND	
160 Anthraquinone	180		10.420					ND	
161 Methapyrilene	58		10.431					ND	
162 Isodrin	193		10.618					ND	
164 Fluoranthene	202	10.756	10.750	0.006	92	1892		0.0252	
165 1-Hydroxyanthraquinone	224		10.783					ND	
166 Benzidine	184		10.841					ND	
288 2-Methylanthracene	192	10.975	10.919	0.056	1	91		NC	
167 Pyrene	202		10.943					ND	
276 Aramite Peak 1	185		11.002					ND	U
168 Aramite, Total	185		11.067					ND	
279 Aramite Peak 2	185		11.067					ND	U
170 p-Dimethylamino azobenzene	120		11.168					ND	
169 1,4-Dihydroxyanthraquinone	240		11.195					ND	
171 Chlorobenzilate	251		11.200					ND	
172 Famphur	218		11.435					ND	
174 Butyl benzyl phthalate	149	11.477	11.477	0.000	94	3586		0.1761	
175 9-Octadecenamide	59		11.478					ND	
173 3,3'-Dimethylbenzidine	212		11.489					ND	
176 Kepone	272		11.563					ND	
177 2-Acetylaminofluorene	181		11.761					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
178 4,4'-Methylene bis(2-chloroanil	231		12.076					ND	
181 Bis(2-ethylhexyl) phthalate	149	12.081	12.086	-0.005	94	3930		0.1677	
179 3,3'-Dichlorobenzidine	252		12.086					ND	
180 Benzo[a]anthracene	228		12.139					ND	
182 Chrysene	228		12.182					ND	
183 6-Methylchrysene	242		12.744					ND	
184 Di-n-octyl phthalate	149		12.909					ND	
185 7,12-Dimethylbenz(a)anthracene	256		13.519					ND	
186 Benzo[b]fluoranthene	252		13.555					ND	
187 Benzo[k]fluoranthene	252		13.587					ND	
192 Hexachlorophene	196		13.898					ND	
189 Benzo[a]pyrene	252		14.030					ND	
190 3-Methylcholanthrene	268		14.528					ND	
283 Benzo[e]pyrene	252	15.190	15.214	-0.024	1	42		NC	
191 Dibenz[a,h]acridine	279		15.340					ND	U
193 Indeno[1,2,3-cd]pyrene	276		15.703					ND	
194 Dibenz(a,h)anthracene	278		15.708					ND	
195 Benzo[g,h,i]perylene	276		16.103					ND	
197 Dibenzo[a,e]pyrene	302		19.213					ND	
199 CAG-800	149		19.675					ND	
256 CN-500	112		19.994					ND	
295 4-Bromofluorobenzene TIC	1		0.000					ND	
299 1-Bromo-3-fluorobenzene TIC	1		0.000					ND	
300 1-Bromo-4-ethylbenzene TIC	1		0.000					ND	
291 1,4-Dibromobenzene TIC	1		0.000					ND	
293 3-Nitro-4-Chlorobenzotrifluoride	1		0.000					ND	
290 1,3-Dibromobenzene TIC	1		0.000					ND	
303 Carbofuran	1		0.000					ND	
292 Ethylene Dibromide TIC	1		0.000					ND	
297 Fluorobenzene TIC	1		0.000					ND	
296 1,2-dichloro-4-(trifluoromethyl)	1		0.000					ND	
294 3'-Bromoacetophenone TIC	1		0.000					ND	
298 2-Bromopyridine TIC	1		0.000					ND	
302 1-Bromo-2-chloroethane TIC	1		0.000					ND	
301 3-Amino-4-Chlorobenzotrifluoride	1		0.000					ND	
219 Photomirex TIC	1		0.195					ND	
210 Dibenzo[a,h]pyrene	1		0.195					ND	
240 Prometryn (TIC)	1		0.195					ND	
220 Tetramethyl lead TIC	1		0.195					ND	
215 trans Azobenzene (TIC)	1		0.195					ND	
225 Dibenz(a,i)pyrene	1		0.195					ND	
206 2,4-Toluene diamine	1		0.195					ND	
212 Hexamethyldisiloxane TIC	1		0.195					ND	
238 Phenylacetic Acid	1		0.195					ND	
233 4-Chlorobenzotrifluoride TIC	1		0.195					ND	
230 2,3-Dichlorophenol	1		0.195					ND	
227 Dibenz[a,j]acridine	279		0.195					ND	
204 2,6-Dichlorotoluene TIC	1		0.195					ND	
201 7H-Dibenzo[c,g]carbazole	1		0.195					ND	
205 Phenylmercaptan	110		0.195					ND	
218 3-Chlorobenzotrifluoride TIC	1		0.195					ND	
211 Pendimethalin (TIC)	1		0.195					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
244 Pendimethalin	1		0.195					ND	
222 2-Chlorobenzotrifluoride TIC	1		0.195					ND	
247 Benefin (TIC)	1		0.195					ND	
224 1-Bromopropane	1		0.195					ND	
254 4,4'-DDD	235		11.302					ND	
S 259 Chlorobenzotrifluoride N.O.S	1		0.195					ND	
S 260 Chlorotoluene N.O.S	1		0.195					ND	
S 261 Total Cresols	1		0.195					ND	
S 263 3-Methylphenol	1		0.195					ND	
S 264 EPH Adjustment 1	1		0.195					ND	
S 262 3 & 4 Methylphenol	108		0.195					ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
U - Marked Undetected
a - User Assigned ID

Reagents:

MB_LLIS_WRK_00208 Amount Added: 20.00 Units: uL Run Reagent

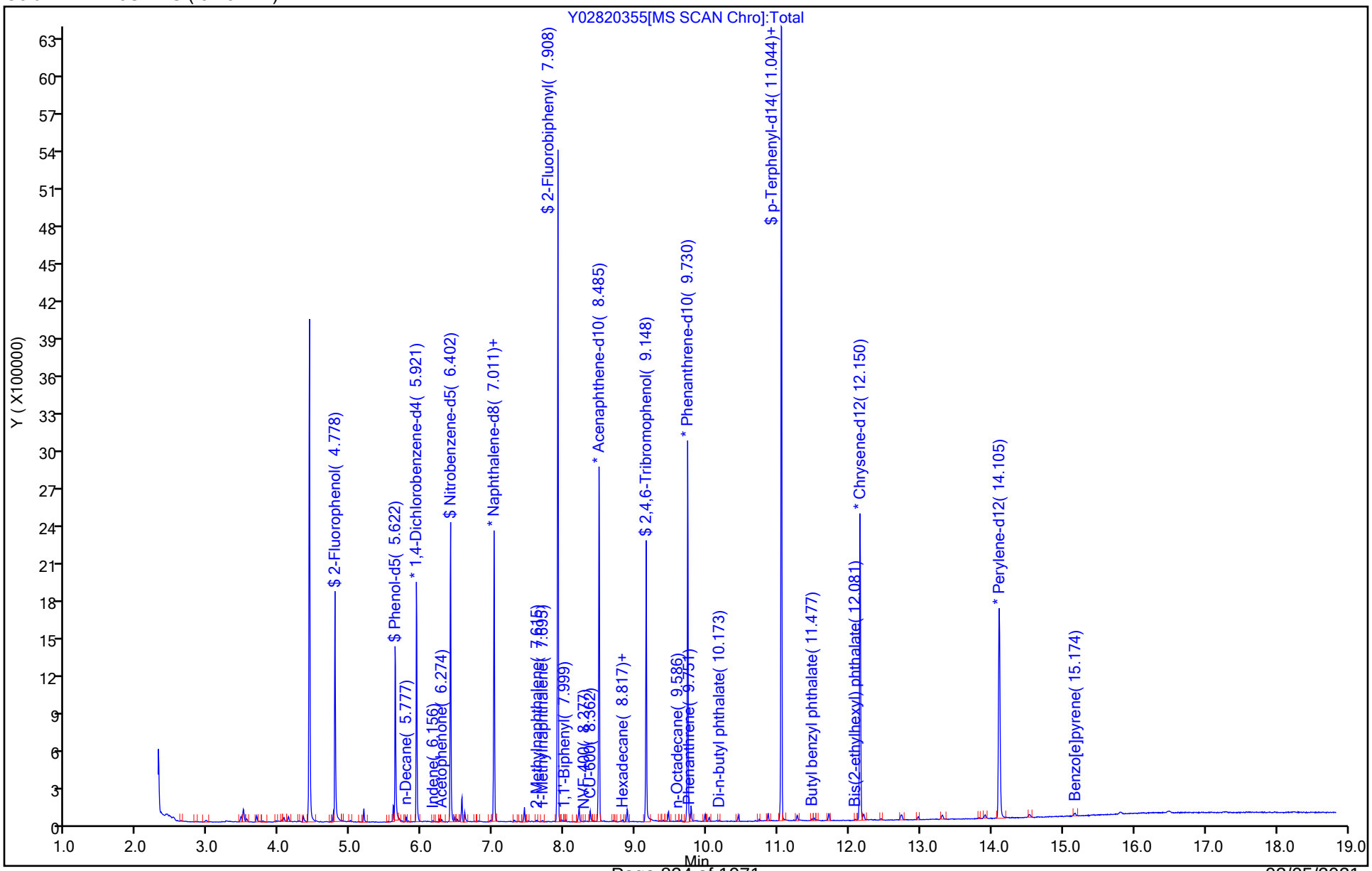
Report Date: 01-Mar-2021 15:16:29 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96898.b\Y02820355.D

Injection Date:	01-Mar-2021 12:52:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	MB 480-570715/1-A			Worklist Smp#:	9
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



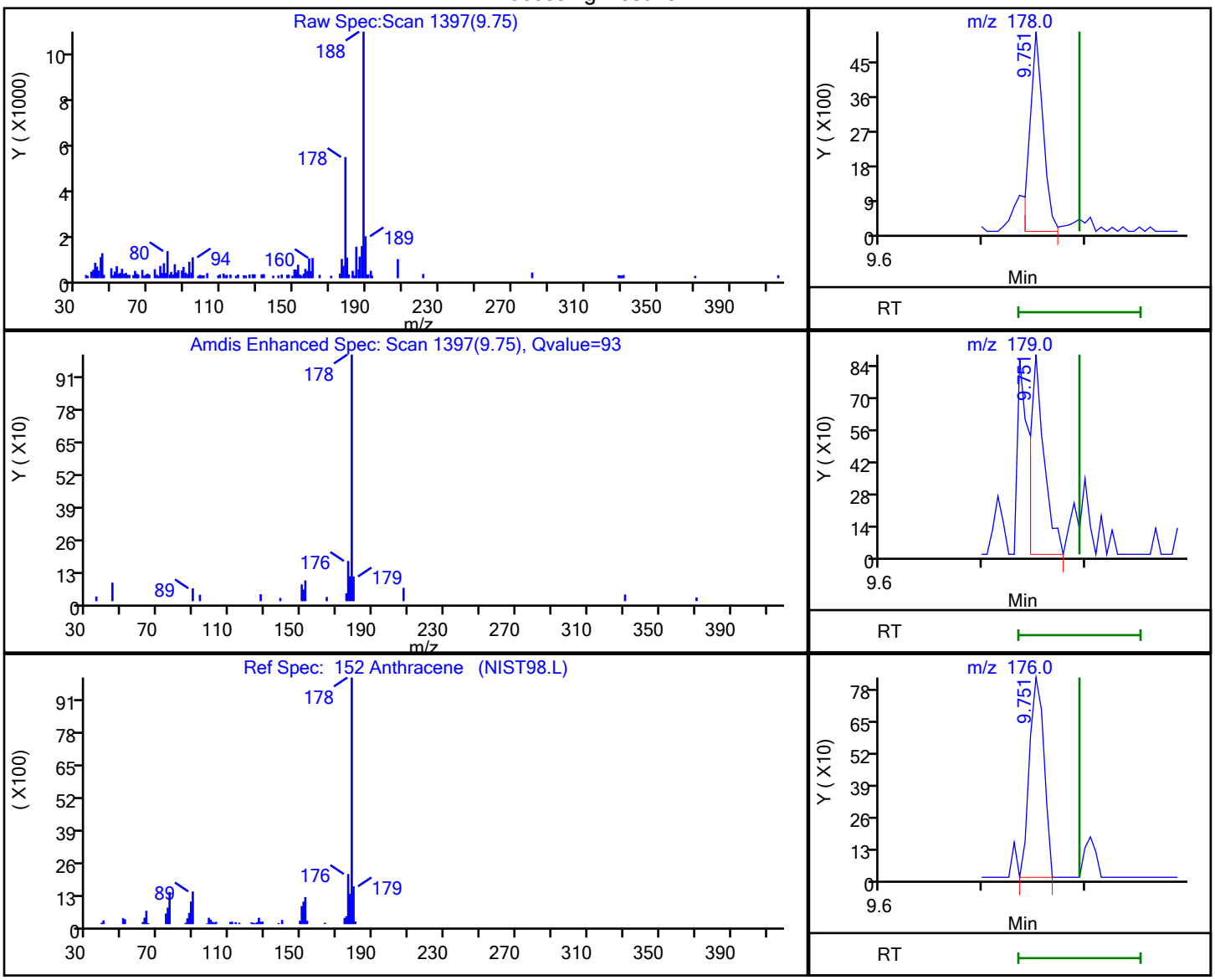
User Disabled Compound Report

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96898.b\Y02820355.D
Injection Date: 01-Mar-2021 12:52:30 Instrument ID: HP5973Y
Lims ID: MB 480-570715/1-A
Client ID:
Operator ID: JM ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

152 Anthracene, CAS: 120-12-7

Processing Results



RT	Mass	Response	Amount
9.75	178.00	4632	0.032017
9.75	179.00	803	
9.75	176.00	821	

Reviewer: marshallj, 01-Mar-2021 15:05:11
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Buffalo

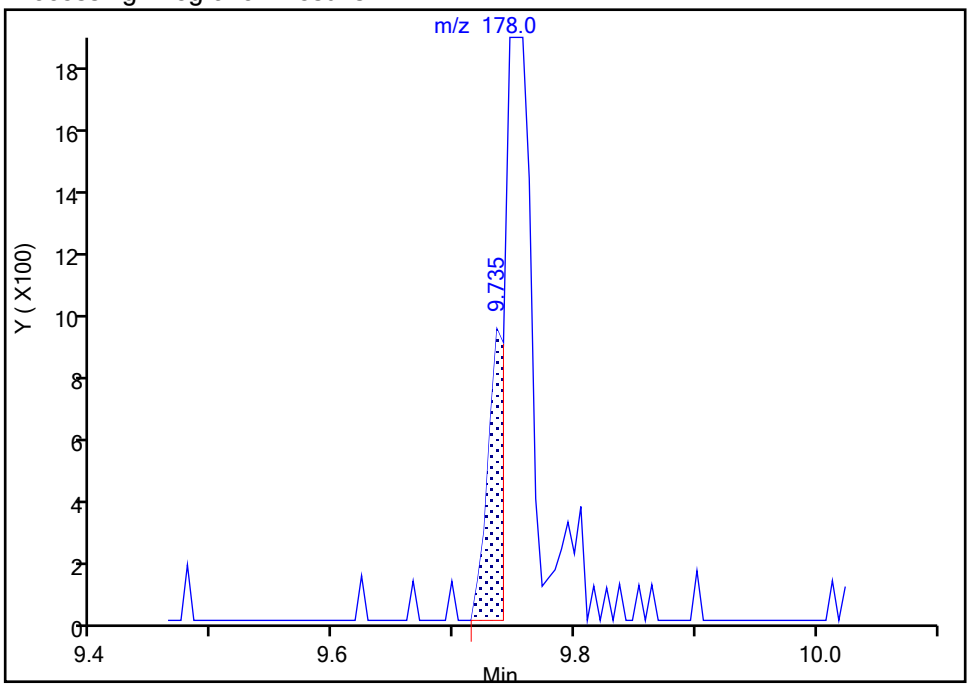
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Injection Date: 01-Mar-2021 12:52:30 Instrument ID: HP5973Y
Lims ID: MB 480-570715/1-A
Client ID:
Operator ID: JM ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

151 Phenanthrene, CAS: 85-01-8

Signal: 1

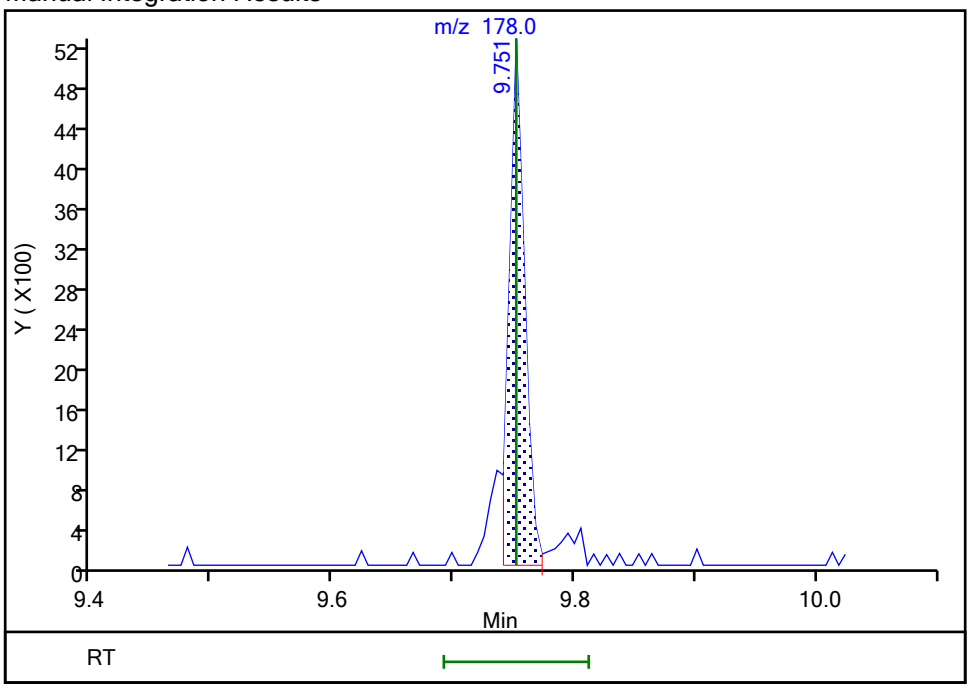
Processing Integration Results

RT: 9.74
Area: 929
Amount: 0.003380
Amount Units: ng/uL



Manual Integration Results

RT: 9.75
Area: 4632
Amount: 0.016851
Amount Units: ng/uL



Reviewer: marshallj, 01-Mar-2021 15:05:08
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-570715/2-A

Matrix: Water Lab File ID: Y02820356.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 02/26/2021 09:50

Sample wt/vol: 250(mL) Date Analyzed: 03/01/2021 13:21

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

Injection Volume: 2(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 570863 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	30.7		5.0	0.41
208-96-8	Acenaphthylene	32.9		5.0	0.38
120-12-7	Anthracene	32.8		5.0	0.28
56-55-3	Benzo[a]anthracene	34.9		5.0	0.36
50-32-8	Benzo[a]pyrene	34.1		5.0	0.47
205-99-2	Benzo[b]fluoranthene	36.9		5.0	0.34
191-24-2	Benzo[g,h,i]perylene	35.8		5.0	0.35
207-08-9	Benzo[k]fluoranthene	38.2		5.0	0.73
218-01-9	Chrysene	34.4		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	35.6		5.0	0.42
206-44-0	Fluoranthene	35.1		5.0	0.40
86-73-7	Fluorene	32.3		5.0	0.36
193-39-5	Indeno[1,2,3-cd]pyrene	35.6		5.0	0.47
91-20-3	Naphthalene	27.8		5.0	0.76
85-01-8	Phenanthrene	32.9		5.0	0.44
129-00-0	Pyrene	34.0		5.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	98		48-120
4165-60-0	Nitrobenzene-d5 (Surr)	94		46-120
1718-51-0	p-Terphenyl-d14 (Surr)	109		60-148

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96898.b\Y02820356.D
Lims ID: LCS 480-570715/2-A
Client ID:
Sample Type: LCS
Inject. Date: 01-Mar-2021 13:21:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 480-0096898-010
Operator ID: JM Instrument ID: HP5973Y

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96898.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 01-Mar-2021 15:16:26 Calib Date: 18-Feb-2021 23:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y02820304.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1602

First Level Reviewer: marshallj Date: 01-Mar-2021 14:08:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.927	5.922	0.005	93	279051	4.00	4.00	
* 2 Naphthalene-d8	136	7.011	7.012	-0.001	99	981351	4.00	4.00	
* 3 Acenaphthene-d10	164	8.491	8.486	0.005	95	568909	4.00	4.00	
* 4 Phenanthrene-d10	188	9.736	9.731	0.005	96	1065085	4.00	4.00	
* 5 Chrysene-d12	240	12.156	12.151	0.005	99	1030537	4.00	4.00	
* 6 Perylene-d12	264	14.105	14.106	-0.001	98	1059675	4.00	4.00	
$ 7 2-Fluorophenol	112	4.783	4.762	0.021	92	460879	8.00	5.73	
$ 8 Phenol-d5	99	5.628	5.622	0.006	0	464887	8.00	4.66	
$ 9 Nitrobenzene-d5	82	6.402	6.402	0.000	90	616046	8.00	7.49	
$ 10 2-Fluorobiphenyl	172	7.909	7.908	0.001	99	1513646	8.00	7.86	
$ 11 2,4,6-Tribromophenol	330	9.148	9.148	0.000	92	304315	8.00	8.80	
$ 12 p-Terphenyl-d14	244	11.050	11.044	0.006	98	2195588	8.00	8.74	
13 1,4-Dioxane	88	2.636	2.502	0.134	96	162832	8.00	4.55	a
14 N-Nitrosodimethylamine	42	3.127	3.020	0.107	90	268125	8.00	5.84	a
15 Pyridine	52	3.170	3.052	0.118	92	415050	16.0	7.83	a
35 Benzaldehyde	77	5.542	5.542	0.000	95	929159	16.0	13.8	
37 Phenol	94	5.638	5.633	0.005	96	510159	8.00	4.84	
36 Aniline	93	5.638	5.643	-0.005	97	597067	8.00	5.01	
39 Bis(2-chloroethyl)ether	93	5.686	5.686	0.000	93	592938	8.00	7.25	
40 2-Chlorophenol	128	5.756	5.750	0.006	97	606570	8.00	7.07	
41 n-Decane	57	5.777	5.777	0.000	94	436889	8.00	4.71	
43 1,3-Dichlorobenzene	146	5.879	5.878	0.001	99	643212	8.00	6.30	
44 1,4-Dichlorobenzene	146	5.937	5.937	0.000	94	650859	8.00	6.30	
45 Benzyl alcohol	108	6.050	6.049	0.001	91	340462	8.00	7.41	
46 1,2-Dichlorobenzene	146	6.076	6.076	0.000	98	637675	8.00	6.46	
48 2-Methylphenol	108	6.151	6.145	0.006	47	470433	8.00	6.59	
47 Indene	115	6.151	6.151	0.000	88	6294133	64.0	46.2	
49 2,2'-oxybis[1-chloropropane]	45	6.156	6.156	0.000	80	666633	8.00	5.73	
53 N-Nitrosodi-n-propylamine	70	6.269	6.268	0.001	92	429435	8.00	7.76	
52 Acetophenone	105	6.269	6.274	-0.005	89	818363	8.00	7.63	
57 4-Methylphenol	108	6.279	6.279	0.000	96	518518	8.00	7.02	
58 Hexachloroethane	117	6.365	6.364	0.001	92	238031	8.00	6.01	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
59 Nitrobenzene	77	6.418	6.418	0.000	90	631995	8.00	7.55	
62 Isophorone	82	6.616	6.621	-0.005	98	1173685	8.00	8.19	
64 2-Nitrophenol	139	6.691	6.690	0.001	92	346997	8.00	7.85	
66 2,4-Dimethylphenol	107	6.723	6.722	0.001	96	617866	8.00	7.95	
69 Bis(2-chloroethoxy)methane	93	6.787	6.786	0.001	96	696191	8.00	7.79	
70 Benzoic acid	105	6.888	6.851	0.037	88	2002619	64.0	47.1	
72 2,4-Dichlorophenol	162	6.904	6.904	0.000	91	599494	8.00	8.00	
73 1,2,4-Trichlorobenzene	180	6.963	6.963	0.000	94	592666	8.00	6.64	
74 Naphthalene	128	7.032	7.032	0.000	98	1691121	8.00	6.94	
76 4-Chloroaniline	127	7.075	7.075	0.000	97	499943	8.00	5.28	
77 2,6-Dichlorophenol	162	7.086	7.086	0.000	98	576313	8.00	8.13	
79 Hexachlorobutadiene	225	7.134	7.134	0.000	95	337880	8.00	6.02	
84 Caprolactam	113	7.380	7.374	0.006	76	144437	16.0	6.48	
85 4-Chloro-3-methylphenol	107	7.487	7.486	0.001	94	524894	8.00	8.11	
87 2-Methylnaphthalene	142	7.609	7.609	0.000	92	1205960	8.00	7.27	
89 1-Methylnaphthalene	142	7.695	7.695	0.000	93	1113188	8.00	7.23	
90 Hexachlorocyclopentadiene	237	7.743	7.748	-0.005	96	175337	8.00	4.53	
91 1,2,4,5-Tetrachlorobenzene	216	7.754	7.759	-0.005	97	635682	8.00	6.73	
93 2,4,6-Trichlorophenol	196	7.850	7.855	-0.005	91	466935	8.00	8.56	
94 2,4,5-Trichlorophenol	196	7.893	7.892	0.001	95	521032	8.00	8.66	
96 1,1'-Biphenyl	154	7.994	7.999	-0.005	96	1537634	8.00	7.43	
97 2-Chloronaphthalene	162	8.021	8.021	0.001	95	1206204	8.00	7.26	
100 2-Nitroaniline	65	8.106	8.106	0.000	87	355355	8.00	8.47	
105 Dimethyl phthalate	163	8.240	8.240	0.000	99	1566063	8.00	8.75	
106 1,3-Dinitrobenzene	168	8.283	8.282	0.001	87	236710	8.00	8.89	
107 2,6-Dinitrotoluene	165	8.299	8.298	0.001	94	355950	8.00	8.73	
108 Acenaphthylene	152	8.373	8.373	0.000	98	1925126	8.00	8.22	
109 3-Nitroaniline	138	8.448	8.448	0.000	97	253208	8.00	6.36	
110 Acenaphthene	153	8.518	8.517	0.001	95	1265388	8.00	7.67	
111 2,4-Dinitrophenol	184	8.539	8.539	0.000	86	351414	16.0	17.6	
112 4-Nitrophenol	109	8.598	8.592	0.006	92	266043	16.0	14.5	
114 2,4-Dinitrotoluene	165	8.640	8.640	0.000	95	458581	8.00	8.70	
115 Dibenzofuran	168	8.662	8.662	0.000	97	1840250	8.00	7.92	
118 2,3,4,6-Tetrachlorophenol	232	8.769	8.768	0.001	70	391948	8.00	8.94	
121 Hexadecane	57	8.822	8.822	0.000	63	670748	8.00	6.67	
120 Diethyl phthalate	149	8.822	8.822	0.000	98	1535391	8.00	8.90	
123 4-Chlorophenyl phenyl ether	204	8.929	8.929	0.000	91	758382	8.00	7.82	
124 Fluorene	166	8.945	8.945	0.000	95	1507492	8.00	8.08	
126 4-Nitroaniline	138	8.961	8.961	0.000	90	338025	8.00	8.32	
127 4,6-Dinitro-2-methylphenol	198	8.993	8.987	0.006	92	525843	16.0	18.6	
130 N-Nitrosodiphenylamine	169	9.030	9.030	0.000	63	1100718	8.00	8.19	
129 Diphenylamine	169	9.030	9.030	0.000	93	1100718	6.84	7.00	
132 Azobenzene	77	9.062	9.062	0.000	99	1425702	8.00	8.21	
131 1,2-Diphenylhydrazine	77	9.062	9.062	0.000	46	1425702	8.00	8.21	
139 4-Bromophenyl phenyl ether	248	9.340	9.340	0.000	63	505743	8.00	8.34	
140 Hexachlorobenzene	284	9.420	9.420	0.000	96	582352	8.00	8.11	
143 Atrazine	200	9.463	9.458	0.005	94	958652	16.0	18.7	
145 Pentachlorophenol	266	9.581	9.580	0.001	94	489361	16.0	15.4	
148 n-Octadecane	57	9.586	9.586	0.000	93	796636	8.00	7.66	
151 Phenanthrene	178	9.752	9.751	0.001	98	2327872	8.00	8.21	
152 Anthracene	178	9.800	9.794	0.006	98	2319585	8.00	8.21	
153 Carbazole	167	9.923	9.922	0.001	96	2025572	8.00	9.35	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
157 Di-n-butyl phthalate	149	10.174	10.173	0.001	100	2556559	8.00	8.60	
164 Fluoranthene	202	10.751	10.750	0.001	98	2665583	8.00	8.78	
166 Benzidine	184	10.841	10.841	0.000	99	96734	16.0	0.8268	
167 Pyrene	202	10.948	10.943	0.005	97	2709230	8.00	8.50	
174 Butyl benzyl phthalate	149	11.477	11.477	0.000	96	1138310	8.00	8.58	
181 Bis(2-ethylhexyl) phthalate	149	12.086	12.086	0.000	95	1642278	8.00	8.35	
179 3,3'-Dichlorobenzidine	252	12.086	12.086	0.000	73	1711913	16.0	16.0	
180 Benzo[a]anthracene	228	12.145	12.139	0.006	99	2684859	8.00	8.73	
182 Chrysene	228	12.188	12.182	0.006	96	2551163	8.00	8.61	
184 Di-n-octyl phthalate	149	12.909	12.909	0.000	99	2740350	8.00	8.68	
186 Benzo[b]fluoranthene	252	13.555	13.555	0.000	97	2900201	8.00	9.22	
187 Benzo[k]fluoranthene	252	13.593	13.587	0.006	99	2965985	8.00	9.54	
189 Benzo[a]pyrene	252	14.031	14.030	0.001	77	2319929	8.00	8.54	
193 Indeno[1,2,3-cd]pyrene	276	15.708	15.703	0.006	99	3324086	8.00	8.89	
194 Dibenz(a,h)anthracene	278	15.713	15.708	0.005	90	2822611	8.00	8.89	
195 Benzo[g,h,i]perylene	276	16.103	16.103	0.000	97	2764206	8.00	8.96	
S 263 3-Methylphenol	1				0		8.00	7.02	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

MB_LLIS_WRK_00208 Amount Added: 20.00 Units: uL Run Reagent

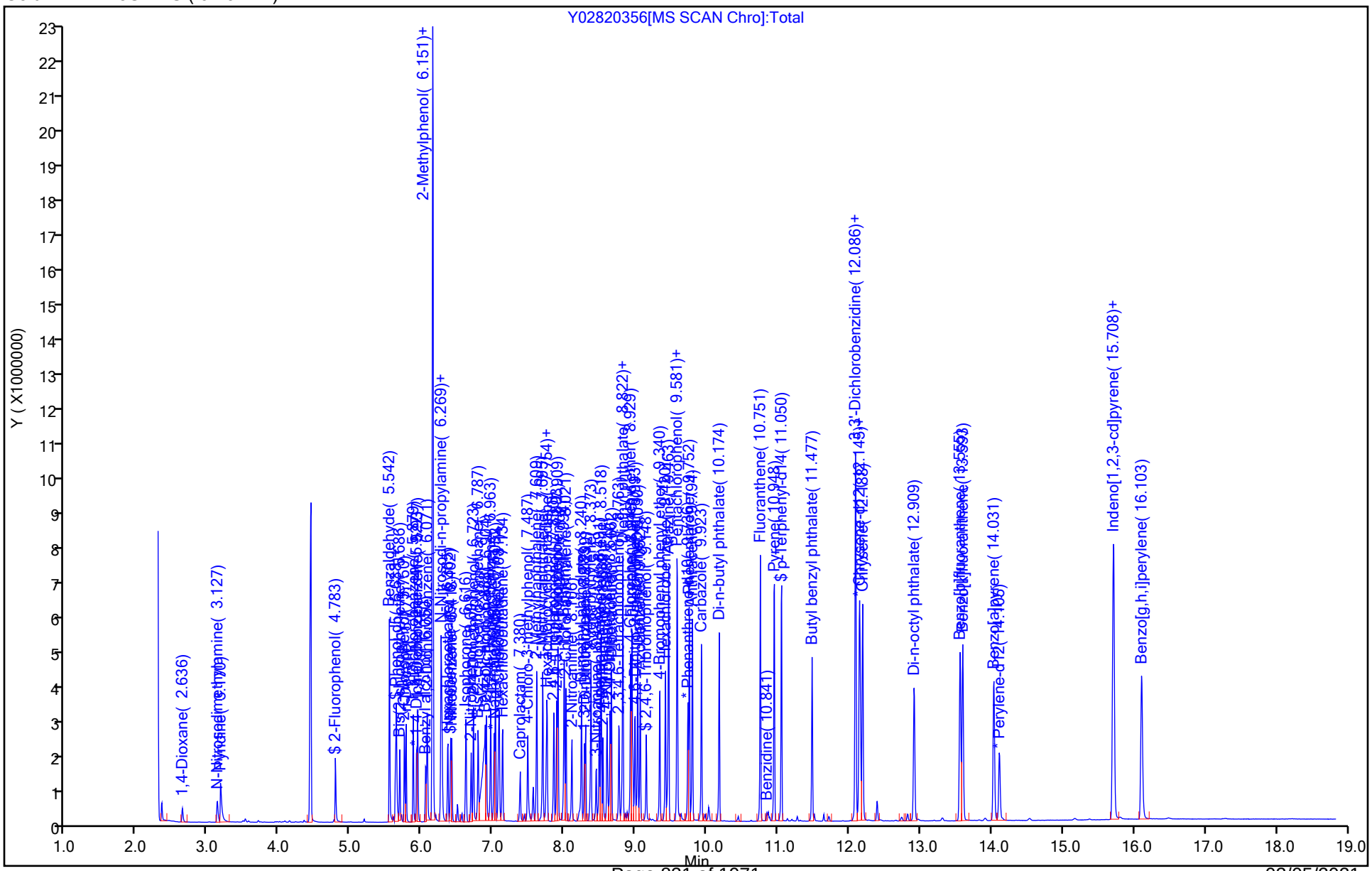
Report Date: 01-Mar-2021 15:16:33 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96898.b\Y02820356.D

Injection Date:	01-Mar-2021 13:21:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	LCS 480-570715/2-A			Worklist Smp#:	10
Client ID:					
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Client Sample ID: MW-2S-022321 MS Lab Sample ID: 480-181441-8 MS

Matrix: Water Lab File ID: Y02820360.D

Analysis Method: 8270D Date Collected: 02/23/2021 15:20

Extract. Method: 3510C Date Extracted: 02/26/2021 09:50

Sample wt/vol: 230(mL) Date Analyzed: 03/01/2021 15:17

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

Injection Volume: 2(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 570863 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	29.9		5.4	0.45
208-96-8	Acenaphthylene	31.9		5.4	0.41
120-12-7	Anthracene	32.6		5.4	0.30
56-55-3	Benzo[a]anthracene	31.8		5.4	0.39
50-32-8	Benzo[a]pyrene	30.1		5.4	0.51
205-99-2	Benzo[b]fluoranthene	33.1		5.4	0.37
191-24-2	Benzo[g,h,i]perylene	31.3		5.4	0.38
207-08-9	Benzo[k]fluoranthene	33.6		5.4	0.79
218-01-9	Chrysene	31.1		5.4	0.36
53-70-3	Dibenz(a,h)anthracene	30.8		5.4	0.46
206-44-0	Fluoranthene	33.8		5.4	0.43
86-73-7	Fluorene	31.8		5.4	0.39
193-39-5	Indeno[1,2,3-cd]pyrene	31.2		5.4	0.51
91-20-3	Naphthalene	27.8		5.4	0.83
85-01-8	Phenanthrene	32.8		5.4	0.48
129-00-0	Pyrene	32.9		5.4	0.37

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	91		48-120
4165-60-0	Nitrobenzene-d5 (Surr)	88		46-120
1718-51-0	p-Terphenyl-d14 (Surr)	78		60-148

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96898.b\Y02820360.D
Lims ID: 480-181441-C-8-A MS
Client ID: MW-2S-022321
Sample Type: MS
Inject. Date: 01-Mar-2021 15:17:30 ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 480-0096898-014
Operator ID: JM Instrument ID: HP5973Y

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96898.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 02-Mar-2021 16:02:00 Calib Date: 18-Feb-2021 23:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y02820304.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1657

First Level Reviewer: marshallj Date: 02-Mar-2021 15:42:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.927	5.922	0.005	94	281656	4.00	4.00	
* 2 Naphthalene-d8	136	7.011	7.012	-0.001	99	985633	4.00	4.00	
* 3 Acenaphthene-d10	164	8.491	8.486	0.005	96	572512	4.00	4.00	
* 4 Phenanthrene-d10	188	9.730	9.731	-0.001	96	1058811	4.00	4.00	
* 5 Chrysene-d12	240	12.156	12.151	0.005	99	1021674	4.00	4.00	
* 6 Perylene-d12	264	14.105	14.106	-0.001	98	1056501	4.00	4.00	
$ 7 2-Fluorophenol	112	4.789	4.763	0.027	92	447781	8.00	5.52	
$ 8 Phenol-d5	99	5.627	5.625	0.005	0	448731	8.00	4.46	
$ 9 Nitrobenzene-d5	82	6.402	6.466	0.000	90	584418	8.00	7.08	
$ 10 2-Fluorobiphenyl	172	7.909	7.910	0.001	100	1416510	8.00	7.31	
$ 11 2,4,6-Tribromophenol	330	9.153	9.150	0.005	92	278307	8.00	8.11	
$ 12 p-Terphenyl-d14	244	11.044	11.045	0.000	98	1558634	8.00	6.26	
237 Lidocaine	1		0.195				ND		
13 1,4-Dioxane	88	2.641	2.635	0.139	96	156439	8.00	4.33	a
14 N-Nitrosodimethylamine	42	3.133	3.127	0.113	90	259198	8.00	5.59	a
15 Pyridine	52	3.175	3.054	0.123	92	526970	16.0	9.80	a
19 2-Picoline	93		4.095				ND		
20 N-Nitrosomethylethylamine	88		4.250				ND		
22 Methyl methanesulfonate	80		4.565				ND		
24 Acrylamide	71		4.592				ND		
18 1-Methylcyclopentanol	71		4.615				ND		
28 N-Nitrosodiethylamine	102		4.955				ND		
21 2-Chlorobenzotrifluoride	180		5.160				ND		
23 4-Chlorobenzotrifluoride	180		5.229				ND		
30 Ethyl methanesulfonate	79		5.244				ND		
25 n,n'-Dimethylacetamide	87		5.276				ND		
26 4-Chloropyridine	78		5.448				ND		
196 CBF-400	214		5.530				ND		
35 Benzaldehyde	77	5.542	5.544	0.000	95	882642	16.0	13.0	
27 3-Chloropyridine	78		5.554				ND		
37 Phenol	94	5.638	5.635	0.005	98	493399	8.00	4.63	
29 3-Chlorobenzotrifluoride	180		5.635				ND		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
36 Aniline	93	5.643	5.645	0.000	89	509485	8.00	4.24	
38 Pentachloroethane	167		5.676					ND	
39 Bis(2-chloroethyl)ether	93	5.686	5.688	0.000	95	583480	8.00	7.07	
40 2-Chlorophenol	128	5.756	5.752	0.006	97	568231	8.00	6.56	
41 n-Decane	57	5.777	5.779	0.000	94	349051	8.00	3.73	
43 1,3-Dichlorobenzene	146	5.879	5.880	0.001	99	586305	8.00	5.69	
31 2-Chloropyridine	78		5.912					ND	
257 CBF-500	161		5.934					ND	
44 1,4-Dichlorobenzene	146	5.937	5.939	0.000	95	600215	8.00	5.76	
45 Benzyl alcohol	108	6.060	6.052	0.011	92	295466	8.00	6.40	
32 2-Chlorotoluene	91		6.073					ND	
46 1,2-Dichlorobenzene	146	6.076	6.076	0.000	97	581284	8.00	5.84	
33 3-Chlorotoluene	91	6.151	6.108	0.045	52	37530		NC	
34 4-Chlorotoluene	91	6.151	6.108	0.045	52	37530		NC	
48 2-Methylphenol	108	6.151	6.148	0.006	49	447275	8.00	6.20	
47 Indene	115	6.151	6.153	0.000	90	5869505	64.0	42.7	
49 2,2'-oxybis[1-chloropropane]	45	6.156	6.156	0.000	89	643255	8.00	5.48	
50 N-Nitrosopyrrolidine	100		6.248					ND	
53 N-Nitrosodi-n-propylamine	70	6.269	6.270	0.000	90	404073	8.00	7.23	
52 Acetophenone	105	6.269	6.276	-0.006	95	767534	8.00	7.09	
57 4-Methylphenol	108	6.279	6.281	0.000	97	503743	8.00	6.76	
54 N-Nitrosomorpholine	56		6.280					ND	
56 2-Toluidine	106		6.301					ND	
55 4-Methylbenzenamine	106		6.306					ND	
42 p-Fluoroaniline	111		6.360					ND	
58 Hexachloroethane	117	6.359	6.364	-0.005	91	211762	8.00	5.30	
59 Nitrobenzene	77	6.418	6.420	0.000	89	633630	8.00	7.54	
61 N-Nitrosopiperidine	114		6.542					ND	
62 Isophorone	82	6.616	6.623	-0.005	99	1094642	8.00	7.60	
63 2-Chloroaniline	127		6.659					ND	
64 2-Nitrophenol	139	6.691	6.690	0.001	93	333557	8.00	7.52	
66 2,4-Dimethylphenol	107	6.723	6.724	0.001	95	555834	8.00	7.12	
67 Tetraethyl lead	237		6.755					ND	
68 o,o',o''-Triethylphosphorothioat	198		6.761					ND	
69 Bis(2-chloroethoxy)methane	93	6.787	6.788	0.001	97	656105	8.00	7.31	
70 Benzoic acid	105	6.883	6.853	0.032	88	1965294	64.0	46.2	
71 alpha,alpha-Dimethyl phenethylam	58		6.878					ND	
51 N-Methylaniline	106		6.894					ND	
72 2,4-Dichlorophenol	162	6.904	6.904	0.000	92	561581	8.00	7.47	
73 1,2,4-Trichlorobenzene	180	6.963	6.963	0.000	94	529465	8.00	5.91	
75 Alpha-Terpineol	59		7.028					ND	
74 Naphthalene	128	7.032	7.034	0.000	98	1563862	8.00	6.39	
60 2,6-Dichloropyridine	112		7.065					ND	
76 4-Chloroaniline	127	7.075	7.077	0.000	97	359220	8.00	3.78	
77 2,6-Dichlorophenol	162	7.086	7.088	0.000	98	556803	8.00	7.82	
78 Hexachloropropene	213		7.108					ND	
79 Hexachlorobutadiene	225	7.134	7.134	0.000	95	300036	8.00	5.32	
241 5-Methyl-o-Anisidine	122		7.194					ND	
65 Benzeneacetonitrile	117		7.280					ND	
81 Quinoline	129		7.311					ND	U
282 2,4-Dichlorotoluene	125		7.324					ND	
82 N-Nitrosodi-n-butylamine	84		7.338					ND	U

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
83 p-Phenylene diamine	108		7.364					ND	U
84 Caprolactam	113	7.380	7.376	0.006	76	140850	16.0	6.30	
287 1,3,5-Trichlorobenzene	180		7.388					ND	
85 4-Chloro-3-methylphenol	107	7.487	7.488	0.000	95	494682	8.00	7.62	
86 Safrole, Total	162		7.525					ND	U
87 2-Methylnaphthalene	142	7.609	7.611	0.000	92	1087438	8.00	6.52	
286 4-Chlorophenol	128	7.615	7.646	-0.029	54	2071		NC	
88 Phthalic anhydride	104		7.658					ND	
89 1-Methylnaphthalene	142	7.695	7.697	0.000	92	1005336	8.00	6.51	
90 Hexachlorocyclopentadiene	237	7.743	7.748	-0.005	92	171013	8.00	4.42	
91 1,2,4,5-Tetrachlorobenzene	216	7.754	7.761	-0.005	97	561192	8.00	5.90	
275 Isosafrole Peak 1	162		7.770					ND	
80 Benzeneacetic acid (TIC)	91		7.835					ND	
284 2,3-Dichlorobenzenamine	161	7.850	7.852	0.000	49	5251		NC	
93 2,4,6-Trichlorophenol	196	7.850	7.855	-0.005	91	439459	8.00	8.01	
94 2,4,5-Trichlorophenol	196	7.893	7.895	0.000	94	482988	8.00	7.99	
277 Isosafrole Peak 2	162		7.963					ND	
95 Isosafrole	162		7.963					ND	
96 1,1'-Biphenyl	154	7.999	8.001	0.000	95	1412193	8.00	6.78	
97 2-Chloronaphthalene	162	8.021	8.023	0.001	95	1098053	8.00	6.57	
99 1-Chloronaphthalene	162		8.043					ND	U
100 2-Nitroaniline	65	8.106	8.108	0.000	87	257387	8.00	6.14	
103 Dicyclohexylamine	138		8.166					ND	
102 1,4-Naphthoquinone	158		8.166					ND	
104 1,4-Dinitrobenzene	168		8.214					ND	
105 Dimethyl phthalate	163	8.240	8.240	0.000	99	1464729	8.00	8.14	
106 1,3-Dinitrobenzene	168	8.282	8.285	0.000	89	218316	8.00	8.18	
198 NVF-400	82	8.282	8.293	-0.008	0	393		0.001595	
107 2,6-Dinitrotoluene	165	8.299	8.301	0.000	94	330616	8.00	8.07	
258 CU-600	58	8.293	8.319	-0.024	0	722		0.002930	
281 2,4,5-Trichlorotoluene	159	8.325	8.336	-0.008	0	136		NC	
108 Acenaphthylene	152	8.373	8.375	0.000	98	1727958	8.00	7.33	
109 3-Nitroaniline	138	8.448	8.450	0.000	97	167764	8.00	4.24	
110 Acenaphthene	153	8.518	8.519	0.001	95	1139700	8.00	6.87	
111 2,4-Dinitrophenol	184	8.539	8.539	0.000	86	338629	16.0	17.0	
112 4-Nitrophenol	109	8.598	8.594	0.006	92	238298	16.0	13.0	
113 Pentachlorobenzene	250		8.631					ND	U
114 2,4-Dinitrotoluene	165	8.640	8.642	0.000	95	422615	8.00	7.98	
115 Dibenzofuran	168	8.662	8.664	0.000	96	1674106	8.00	7.16	
116 1-Naphthylamine	143		8.721					ND	
117 2,3,5,6-Tetrachlorophenol	232		8.732					ND	U
285 1,2,3,4 -Tetrachlorobenzene	216		8.743					ND	
118 2,3,4,6-Tetrachlorophenol	232	8.769	8.771	0.001	70	366005	8.00	8.31	
119 2-Naphthylamine	143		8.785					ND	
121 Hexadecane	57	8.822	8.824	0.000	57	504696	8.00	4.99	
120 Diethyl phthalate	149	8.822	8.824	0.000	98	1394650	8.00	8.04	
122 Thionazin	97		8.887					ND	
123 4-Chlorophenyl phenyl ether	204	8.929	8.929	0.000	89	675952	8.00	6.92	
124 Fluorene	166	8.945	8.945	0.000	95	1372808	8.00	7.31	
125 N-Nitro-o-toluidine	152		8.951					ND	
126 4-Nitroaniline	138	8.961	8.963	0.000	86	166922	8.00	4.15	
128 Tributyl phosphate	99		8.983					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
127 4,6-Dinitro-2-methylphenol	198	8.993	8.987	0.006	91	483207	16.0	17.2	
130 N-Nitrosodiphenylamine	169	9.030	9.030	0.000	64	993578	8.00	7.44	
129 Diphenylamine	169	9.030	9.032	0.000	93	993578	6.84	6.36	
132 Azobenzene	77	9.062	9.064	0.000	99	1280264	8.00	7.41	
131 1,2-Diphenylhydrazine	77	9.062	9.064	0.000	49	1280264	8.00	7.41	
134 Sulfotepp	322		9.138					ND	
278 Diallate Peak 1	86		9.256					ND	
136 Diallate	86		9.256					ND	
137 Phorate	75		9.266					ND	U
135 1,3,5-Trinitrobenzene	213		9.272					ND	U
138 Phenacetin	108		9.277					ND	
280 Diallate Peak 2	86		9.336					ND	
139 4-Bromophenyl phenyl ether	248	9.340	9.340	0.000	63	450114	8.00	7.46	
141 Dimethoate	87		9.410					ND	U
140 Hexachlorobenzene	284	9.420	9.423	0.000	96	518938	8.00	7.27	
142 Simazine	201		9.432					ND	
143 Atrazine	200	9.463	9.460	0.005	94	839241	16.0	16.3	
144 4-Aminobiphenyl	169		9.560					ND	
145 Pentachlorophenol	266	9.581	9.583	0.001	94	517652	16.0	16.3	
148 n-Octadecane	57	9.586	9.588	0.000	93	646024	8.00	6.25	
146 Pentachloronitrobenzene	237		9.587					ND	
147 Pronamide	173		9.592					ND	U
149 Disulfoton	88		9.699					ND	
150 Dinoseb	211		9.710					ND	
151 Phenanthrene	178	9.752	9.753	0.001	98	2123880	8.00	7.54	
152 Anthracene	178	9.794	9.796	0.000	98	2104889	8.00	7.50	
153 Carbazole	167	9.923	9.924	0.001	96	1799603	8.00	8.35	
154 Alachlor	160		10.019					ND	U
155 Methyl parathion	109		10.019					ND	U
157 Di-n-butyl phthalate	149	10.174	10.176	0.001	100	2253699	8.00	7.63	
158 Ethyl Parathion	97		10.335					ND	
159 4-Nitroquinoline-1-oxide	190		10.399					ND	
160 Anthraquinone	180		10.420					ND	U
161 Methapyrilene	58		10.431					ND	
162 Isodrin	193		10.618					ND	U
164 Fluoranthene	202	10.751	10.753	0.001	98	2343432	8.00	7.76	
165 1-Hydroxyanthraquinone	224		10.783					ND	
166 Benzidine	184	10.841	10.841	0.000	52	6902	16.0	0.0595	
288 2-Methylanthracene	192	10.905	10.921	-0.014	1	146		NC	
167 Pyrene	202	10.948	10.953	0.005	97	2393430	8.00	7.58	
276 Aramite Peak 1	185		11.002					ND	U
168 Aramite, Total	185		11.067					ND	
279 Aramite Peak 2	185		11.067					ND	U
170 p-Dimethylamino azobenzene	120		11.168					ND	
169 1,4-Dihydroxyanthraquinone	240		11.195					ND	U
171 Chlorobenzilate	251		11.200					ND	
172 Famphur	218		11.435					ND	
174 Butyl benzyl phthalate	149	11.477	11.479	0.000	96	986982	8.00	7.52	
175 9-Octadecenamide	59		11.478					ND	U
173 3,3'-Dimethylbenzidine	212		11.489					ND	U
176 Kepone	272		11.563					ND	
177 2-Acetylaminofluorene	181		11.761					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
178 4,4'-Methylene bis(2-chloroanil	231		12.076					ND	U
181 Bis(2-ethylhexyl) phthalate	149	12.086	12.084	0.000	95	1328871	8.00	6.84	
179 3,3'-Dichlorobenzidine	252	12.086	12.086	0.000	73	524917	16.0	4.93	
180 Benzo[a]anthracene	228	12.145	12.141	0.006	99	2230244	8.00	7.32	
182 Chrysene	228	12.188	12.184	0.006	96	2102982	8.00	7.15	
183 6-Methylchrysene	242		12.744					ND	U
184 Di-n-octyl phthalate	149	12.909	12.911	0.000	99	2163217	8.00	6.95	
185 7,12-Dimethylbenz(a)anthracene	256		13.519					ND	
186 Benzo[b]fluoranthene	252	13.555	13.557	0.000	97	2386169	8.00	7.61	
187 Benzo[k]fluoranthene	252	13.593	13.595	0.006	99	2392007	8.00	7.72	
192 Hexachlorophene	196		13.898					ND	
189 Benzo[a]pyrene	252	14.025	14.032	-0.005	78	1872713	8.00	6.92	
190 3-Methylcholanthrene	268		14.528					ND	U
283 Benzo[e]pyrene	252	15.201	15.216	-0.013	1	471		NC	
191 Dibenz[a,h]acridine	279		15.340					ND	U
193 Indeno[1,2,3-cd]pyrene	276	15.708	15.705	0.006	97	2671594	8.00	7.18	
194 Dibenz(a,h)anthracene	278	15.708	15.708	0.000	88	2236321	8.00	7.08	
195 Benzo[g,h,i]perylene	276	16.103	16.133	0.000	97	2213813	8.00	7.20	
197 Dibenzo[a,e]pyrene	302		19.213					ND	
199 CAG-800	149		19.675					ND	
256 CN-500	112		19.994					ND	
295 4-Bromofluorobenzene TIC	1		0.000					ND	
292 Ethylene Dibromide TIC	1		0.000					ND	
290 1,3-Dibromobenzene TIC	1		0.000					ND	
297 Fluorobenzene TIC	1		0.000					ND	
301 3-Amino-4-Chlorobenzotrifluoride	1		0.000					ND	
300 1-Bromo-4-ethylbenzene TIC	1		0.000					ND	
293 3-Nitro-4-Chlorobenzotrifluoride	1		0.000					ND	
298 2-Bromopyridine TIC	1		0.000					ND	
294 3'-Bromoacetophenone TIC	1		0.000					ND	
302 1-Bromo-2-chloroethane TIC	1		0.000					ND	
291 1,4-Dibromobenzene TIC	1		0.000					ND	
299 1-Bromo-3-fluorobenzene TIC	1		0.000					ND	
296 1,2-dichloro-4-(trifluoromethyl)	1		0.000					ND	
303 Carbofuran	1		0.000					ND	
206 2,4-Toluene diamine	1		0.195					ND	
233 4-Chlorobenzotrifluoride TIC	1		0.195					ND	
238 Phenylacetic Acid	1		0.195					ND	
210 Dibenzo[a,h]pyrene	1		0.195					ND	
240 Prometryn (TIC)	1		0.195					ND	
220 Tetramethyl lead TIC	1		0.195					ND	
215 trans Azobenzene (TIC)	1		0.195					ND	
225 Dibenz(a,i)pyrene	1		0.195					ND	
212 Hexamethyldisiloxane TIC	1		0.195					ND	
219 Photomirex TIC	1		0.195					ND	
230 2,3-Dichlorophenol	1		0.195					ND	
204 2,6-Dichlorotoluene TIC	1		0.195					ND	
201 7H-Dibenzo[c,g]carbazole	1		0.195					ND	
218 3-Chlorobenzotrifluoride TIC	1		0.195					ND	
211 Pendimethalin (TIC)	1		0.195					ND	
244 Pendimethalin	1		0.195					ND	
227 Dibenz[a,j]acridine	279		0.195					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
247 Benefin (TIC)	1		0.195					ND	
224 1-Bromopropane	1		0.195					ND	
222 2-Chlorobenzotrifluoride TIC	1		0.195					ND	
205 Phenylmercaptan	110		0.195					ND	
250 Pentachlorophenol_T	266		9.577					ND	
252 Benzidine_T	184	10.841	10.837	0.004	52	7278			NR
253 4,4'-DDE	246		10.998					ND	
254 4,4'-DDD	235	11.333	11.302	0.031	53	206			NR
255 4,4'-DDT	235	11.637	11.596	0.041	61	1266			NR
S 259 Chlorobenzotrifluoride N.O.S	1		0.195					ND	
S 260 Chlorotoluene N.O.S	1		0.195					ND	
S 261 Total Cresols	1				0			13.0	
S 263 3-Methylphenol	1				0		8.00	6.76	
S 264 EPH Adjustment 1	1		0.195					ND	
S 262 3 & 4 Methylphenol	108				0			6.76	

QC Flag Legend

Processing Flags
- NR - Missing Quant Standard
- NC - Not Calibrated

Review Flags
- U - Marked Undetected
- a - User Assigned ID

Reagents:

MB_LLIS_WRK_00208 Amount Added: 20.00 Units: uL Run Reagent

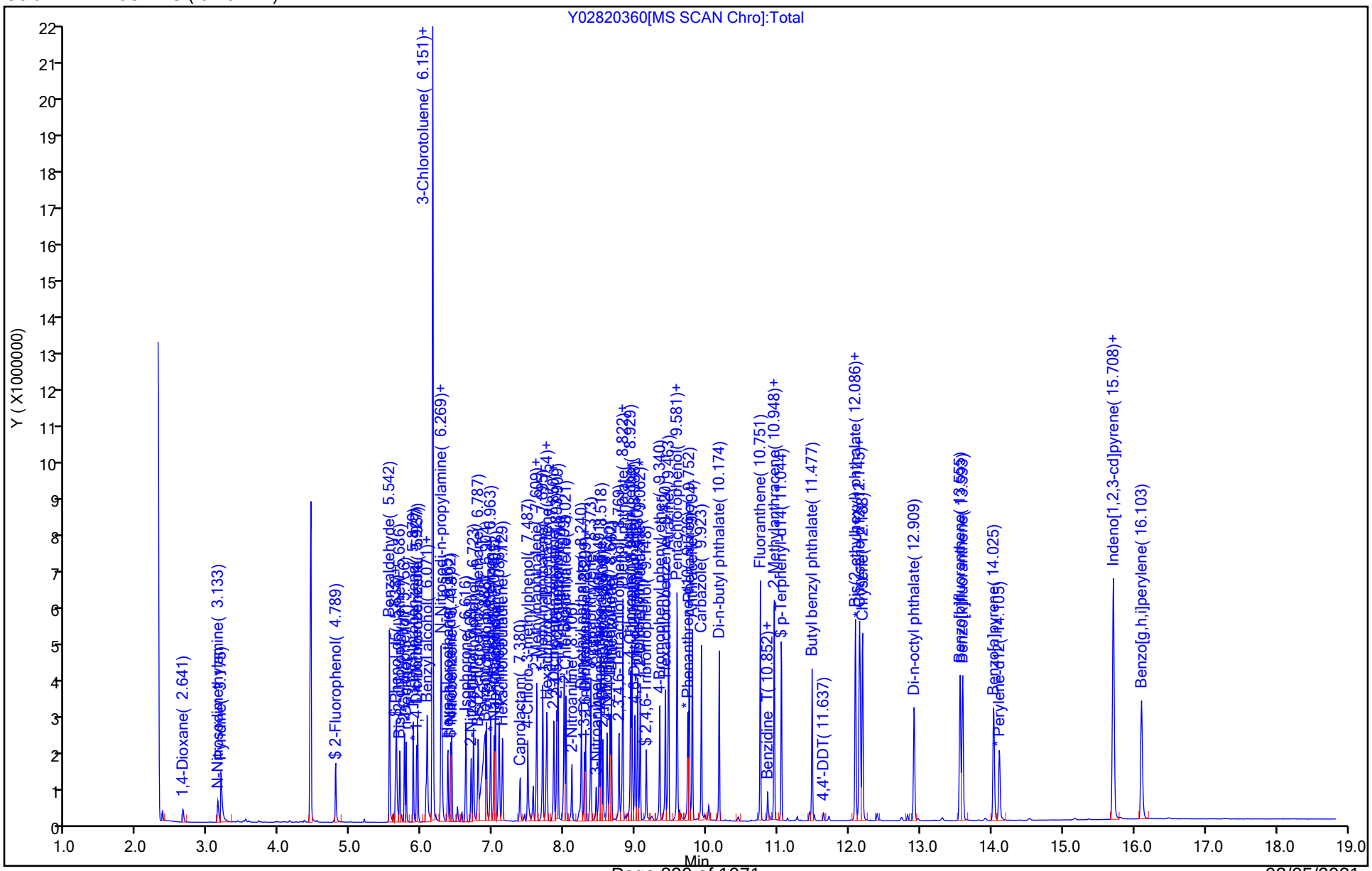
Report Date: 02-Mar-2021 16:02:11 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96898.b\Y02820360.D

Injection Date:	01-Mar-2021 15:17:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	480-181441-C-8-A MS			Worklist Smp#:	14
Client ID:	MW-2S-022321				
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Client Sample ID: MW-2S-022321 MSD Lab Sample ID: 480-181441-8 MSD

Matrix: Water Lab File ID: Y02820361.D

Analysis Method: 8270D Date Collected: 02/23/2021 15:20

Extract. Method: 3510C Date Extracted: 02/26/2021 09:50

Sample wt/vol: 250(mL) Date Analyzed: 03/01/2021 15:47

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

Injection Volume: 2(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 570863 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	28.5		5.0	0.41
208-96-8	Acenaphthylene	30.2		5.0	0.38
120-12-7	Anthracene	29.6		5.0	0.28
56-55-3	Benzo[a]anthracene	30.0		5.0	0.36
50-32-8	Benzo[a]pyrene	27.9		5.0	0.47
205-99-2	Benzo[b]fluoranthene	29.5		5.0	0.34
191-24-2	Benzo[g,h,i]perylene	29.0		5.0	0.35
207-08-9	Benzo[k]fluoranthene	28.9		5.0	0.73
218-01-9	Chrysene	30.2		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	28.2		5.0	0.42
206-44-0	Fluoranthene	31.6		5.0	0.40
86-73-7	Fluorene	30.0		5.0	0.36
193-39-5	Indeno[1,2,3-cd]pyrene	28.5		5.0	0.47
91-20-3	Naphthalene	26.0		5.0	0.76
85-01-8	Phenanthrene	30.7		5.0	0.44
129-00-0	Pyrene	31.8		5.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	94		48-120
4165-60-0	Nitrobenzene-d5 (Surr)	91		46-120
1718-51-0	p-Terphenyl-d14 (Surr)	84		60-148

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96898.b\Y02820361.D
Lims ID: 480-181441-D-8-A MSD
Client ID: MW-2S-022321
Sample Type: MSD
Inject. Date: 01-Mar-2021 15:47:30 ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Sample Info: 480-0096898-015
Operator ID: JM Instrument ID: HP5973Y

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96898.b\Y-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 02-Mar-2021 16:02:00 Calib Date: 18-Feb-2021 23:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20210218-96734.b\Y02820304.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1657

First Level Reviewer: marshallj Date: 02-Mar-2021 15:46:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.926	5.922	0.004	94	279516	4.00	4.00	
* 2 Naphthalene-d8	136	7.010	7.012	-0.002	99	989694	4.00	4.00	
* 3 Acenaphthene-d10	164	8.490	8.486	0.004	95	574007	4.00	4.00	
* 4 Phenanthrene-d10	188	9.735	9.731	0.004	96	1057987	4.00	4.00	
* 5 Chrysene-d12	240	12.155	12.151	0.004	99	1004854	4.00	4.00	
* 6 Perylene-d12	264	14.110	14.106	0.004	98	1064185	4.00	4.00	
$ 7 2-Fluorophenol	112	4.783	4.763	0.021	92	463512	8.00	5.75	
$ 8 Phenol-d5	99	5.627	5.625	0.005	0	444692	8.00	4.45	
$ 9 Nitrobenzene-d5	82	6.401	6.466	-0.001	90	605257	8.00	7.30	
$ 10 2-Fluorobiphenyl	172	7.908	7.910	0.000	99	1461773	8.00	7.53	
$ 11 2,4,6-Tribromophenol	330	9.153	9.150	0.005	92	287476	8.00	8.38	
$ 12 p-Terphenyl-d14	244	11.049	11.045	0.005	98	1638795	8.00	6.69	
237 Lidocaine	1		0.195					ND	
13 1,4-Dioxane	88	2.635	2.635	0.133	96	157123	8.00	4.38	a
14 N-Nitrosodimethylamine	42	3.127	3.127	0.107	89	263587	8.00	5.73	a
15 Pyridine	52	3.169	3.054	0.117	92	532685	16.0	9.98	a
19 2-Picoline	93		4.095					ND	
20 N-Nitrosomethylethylamine	88		4.250					ND	
22 Methyl methanesulfonate	80		4.565					ND	
24 Acrylamide	71		4.592					ND	
18 1-Methylcyclopentanol	71		4.615					ND	
28 N-Nitrosodiethylamine	102		4.955					ND	
21 2-Chlorobenzotrifluoride	180		5.160					ND	
23 4-Chlorobenzotrifluoride	180		5.229					ND	
30 Ethyl methanesulfonate	79		5.244					ND	
25 n,n'-Dimethylacetamide	87		5.276					ND	
26 4-Chloropyridine	78		5.448					ND	
196 CBF-400	214		5.530					ND	
35 Benzaldehyde	77	5.541	5.544	-0.001	95	888802	16.0	13.2	
27 3-Chloropyridine	78		5.554					ND	
37 Phenol	94	5.637	5.635	0.004	96	490191	8.00	4.64	
29 3-Chlorobenzotrifluoride	180	5.600	5.637	-0.035	52	315		NC	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
36 Aniline	93	5.643	5.645	0.000	76	509422	8.00	4.27	
38 Pentachloroethane	167		5.676					ND	
39 Bis(2-chloroethyl)ether	93	5.686	5.688	0.000	92	598275	8.00	7.31	
40 2-Chlorophenol	128	5.755	5.752	0.005	97	612122	8.00	7.13	
41 n-Decane	57	5.776	5.779	-0.001	93	358767	8.00	3.86	
43 1,3-Dichlorobenzene	146	5.878	5.880	0.000	98	596604	8.00	5.83	
31 2-Chloropyridine	78		5.912					ND	
257 CBF-500	161		5.934					ND	
44 1,4-Dichlorobenzene	146	5.937	5.939	0.000	95	615298	8.00	5.95	
45 Benzyl alcohol	108	6.059	6.052	0.010	92	296848	8.00	6.48	
32 2-Chlorotoluene	91		6.073					ND	
46 1,2-Dichlorobenzene	146	6.076	6.076	0.000	98	607568	8.00	6.15	
33 3-Chlorotoluene	91		6.106					ND	
34 4-Chlorotoluene	91		6.106					ND	
48 2-Methylphenol	108	6.150	6.148	0.005	46	460288	8.00	6.43	
47 Indene	115	6.150	6.153	-0.001	89	6058578	64.0	44.4	
49 2,2'-oxybis[1-chloropropane]	45	6.156	6.156	0.000	44	649235	8.00	5.58	a
50 N-Nitrosopyrrolidine	100		6.248					ND	
53 N-Nitrosodi-n-propylamine	70	6.268	6.270	0.000	92	410406	8.00	7.40	
52 Acetophenone	105	6.268	6.276	-0.006	95	785698	8.00	7.32	
57 4-Methylphenol	108	6.284	6.281	0.005	97	512644	8.00	6.93	
54 N-Nitrosomorpholine	56		6.280					ND	
56 2-Toluidine	106		6.301					ND	
55 4-Methylbenzenamine	106		6.306					ND	
42 p-Fluoroaniline	111		6.360					ND	
58 Hexachloroethane	117	6.364	6.364	0.000	91	215746	8.00	5.44	
59 Nitrobenzene	77	6.417	6.420	-0.001	89	660877	8.00	7.83	
61 N-Nitrosopiperidine	114		6.542					ND	
62 Isophorone	82	6.615	6.623	-0.006	98	1118485	8.00	7.74	
63 2-Chloroaniline	127		6.659					ND	
64 2-Nitrophenol	139	6.690	6.690	0.000	93	348532	8.00	7.82	
66 2,4-Dimethylphenol	107	6.722	6.724	0.000	96	575904	8.00	7.34	
67 Tetraethyl lead	237		6.755					ND	
68 o,o',o''-Triethylphosphorothioat	198		6.761					ND	
69 Bis(2-chloroethoxy)methane	93	6.786	6.788	0.000	97	667417	8.00	7.40	
70 Benzoic acid	105	6.882	6.853	0.031	89	2055495	64.0	47.9	
71 alpha,alpha-Dimethyl phenethylam	58		6.878					ND	
51 N-Methylaniline	106		6.894					ND	
72 2,4-Dichlorophenol	162	6.904	6.904	0.000	90	578639	8.00	7.66	
73 1,2,4-Trichlorobenzene	180	6.962	6.963	-0.001	94	540114	8.00	6.00	
75 Alpha-Terpineol	59		7.028					ND	
74 Naphthalene	128	7.032	7.034	0.000	98	1599879	8.00	6.51	
60 2,6-Dichloropyridine	112		7.065					ND	
76 4-Chloroaniline	127	7.074	7.077	-0.001	97	355611	8.00	3.72	
77 2,6-Dichlorophenol	162	7.085	7.088	-0.001	97	557147	8.00	7.80	
78 Hexachloropropene	213		7.108					ND	
79 Hexachlorobutadiene	225	7.133	7.134	-0.001	95	301977	8.00	5.33	
241 5-Methyl-o-Anisidine	122		7.194					ND	
65 Benzeneacetonitrile	117		7.280					ND	
81 Quinoline	129		7.311					ND	
282 2,4-Dichlorotoluene	125		7.324					ND	
82 N-Nitrosodi-n-butylamine	84		7.338					ND	U

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
83 p-Phenylene diamine	108		7.364					ND	
84 Caprolactam	113	7.379	7.376	0.005	76	134574	16.0	6.00	
287 1,3,5-Trichlorobenzene	180		7.388					ND	
85 4-Chloro-3-methylphenol	107	7.486	7.488	0.000	94	495382	8.00	7.60	
86 Safrole, Total	162		7.525					ND	
87 2-Methylnaphthalene	142	7.609	7.611	0.000	91	1108766	8.00	6.62	
286 4-Chlorophenol	128	7.662	7.646	0.018	55	625		NC	
88 Phthalic anhydride	104		7.658					ND	
89 1-Methylnaphthalene	142	7.694	7.697	-0.001	92	1018175	8.00	6.56	
90 Hexachlorocyclopentadiene	237	7.742	7.748	-0.006	93	178823	8.00	4.57	
91 1,2,4,5-Tetrachlorobenzene	216	7.758	7.761	-0.001	96	580166	8.00	6.08	
275 Isosafrole Peak 1	162		7.770					ND	U
80 Benzeneacetic acid (TIC)	91		7.835					ND	
284 2,3-Dichlorobenzenamine	161	7.849	7.852	-0.001	50	5166		NC	
93 2,4,6-Trichlorophenol	196	7.854	7.855	-0.001	91	454715	8.00	8.27	
94 2,4,5-Trichlorophenol	196	7.892	7.895	0.000	95	503985	8.00	8.30	
277 Isosafrole Peak 2	162		7.963					ND	U
95 Isosafrole	162		7.963					ND	U
96 1,1'-Biphenyl	154	7.999	8.001	0.000	95	1451403	8.00	6.95	
97 2-Chloronaphthalene	162	8.020	8.023	0.000	95	1135638	8.00	6.78	
99 1-Chloronaphthalene	162		8.043					ND	U
100 2-Nitroaniline	65	8.106	8.108	0.000	87	268179	8.00	6.37	
103 Dicyclohexylamine	138		8.166					ND	
102 1,4-Naphthoquinone	158		8.166					ND	
104 1,4-Dinitrobenzene	168		8.214					ND	
105 Dimethyl phthalate	163	8.239	8.240	-0.001	99	1466953	8.00	8.13	
106 1,3-Dinitrobenzene	168	8.282	8.285	0.000	85	226134	8.00	8.43	
198 NVF-400	82	8.298	8.293	0.008	0	1009		0.004078	
107 2,6-Dinitrotoluene	165	8.298	8.301	0.000	94	338122	8.00	8.23	
258 CU-600	58	8.330	8.319	0.013	0	543		0.002195	
281 2,4,5-Trichlorotoluene	159		8.333					ND	
108 Acenaphthylene	152	8.373	8.375	0.000	98	1786908	8.00	7.56	
109 3-Nitroaniline	138	8.447	8.450	-0.001	96	170434	8.00	4.29	
110 Acenaphthene	153	8.517	8.519	0.000	95	1185386	8.00	7.12	
111 2,4-Dinitrophenol	184	8.538	8.539	-0.001	87	360859	16.0	17.9	
112 4-Nitrophenol	109	8.597	8.594	0.005	93	246559	16.0	13.4	
113 Pentachlorobenzene	250		8.631					ND	U
114 2,4-Dinitrotoluene	165	8.640	8.642	0.000	95	440589	8.00	8.29	
115 Dibenzofuran	168	8.661	8.664	-0.001	96	1699389	8.00	7.25	
116 1-Naphthylamine	143		8.721					ND	
117 2,3,5,6-Tetrachlorophenol	232		8.732					ND	U
285 1,2,3,4 -Tetrachlorobenzene	216		8.743					ND	
118 2,3,4,6-Tetrachlorophenol	232	8.768	8.771	0.000	70	376591	8.00	8.52	
119 2-Naphthylamine	143		8.785					ND	
121 Hexadecane	57	8.821	8.824	-0.001	57	513159	8.00	5.06	
120 Diethyl phthalate	149	8.821	8.824	-0.001	98	1398818	8.00	8.04	
122 Thionazin	97		8.887					ND	
123 4-Chlorophenyl phenyl ether	204	8.928	8.929	-0.001	90	694828	8.00	7.10	
124 Fluorene	166	8.944	8.945	-0.001	94	1410688	8.00	7.49	
125 N-Nitro-o-toluidine	152		8.951					ND	
126 4-Nitroaniline	138	8.960	8.963	-0.001	88	183158	8.00	4.53	
128 Tributyl phosphate	99		8.983					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
127 4,6-Dinitro-2-methylphenol	198	8.992	8.987	0.005	94	494241	16.0	17.6	
130 N-Nitrosodiphenylamine	169	9.030	9.030	0.000	63	1015368	8.00	7.60	
129 Diphenylamine	169	9.030	9.032	0.000	93	1015368	6.84	6.50	
132 Azobenzene	77	9.062	9.064	0.000	99	1292049	8.00	7.49	
131 1,2-Diphenylhydrazine	77	9.062	9.064	0.000	42	1292049	8.00	7.49	
134 Sulfotepp	322		9.138					ND	
278 Diallate Peak 1	86		9.256					ND	
136 Diallate	86		9.256					ND	
137 Phorate	75		9.266					ND	
135 1,3,5-Trinitrobenzene	213		9.272					ND	
138 Phenacetin	108		9.277					ND	
280 Diallate Peak 2	86		9.336					ND	
139 4-Bromophenyl phenyl ether	248	9.340	9.340	0.000	63	450402	8.00	7.47	
141 Dimethoate	87		9.410					ND	
140 Hexachlorobenzene	284	9.420	9.423	0.000	97	542591	8.00	7.61	
142 Simazine	201		9.432					ND	U
143 Atrazine	200	9.462	9.460	0.004	94	872258	16.0	16.9	
144 4-Aminobiphenyl	169		9.560					ND	
145 Pentachlorophenol	266	9.580	9.583	0.000	95	520294	16.0	16.4	
148 n-Octadecane	57	9.585	9.588	-0.001	93	650267	8.00	6.29	
146 Pentachloronitrobenzene	237		9.587					ND	
147 Pronamide	173		9.592					ND	U
149 Disulfoton	88		9.699					ND	U
150 Dinoseb	211		9.710					ND	
151 Phenanthrene	178	9.756	9.753	0.005	98	2162534	8.00	7.68	
152 Anthracene	178	9.799	9.796	0.005	97	2072999	8.00	7.39	
153 Carbazole	167	9.922	9.924	0.000	96	1902046	8.00	8.84	
154 Alachlor	160		10.019					ND	U
155 Methyl parathion	109		10.019					ND	
157 Di-n-butyl phthalate	149	10.173	10.176	0.000	100	2293931	8.00	7.77	
158 Ethyl Parathion	97		10.335					ND	
159 4-Nitroquinoline-1-oxide	190		10.399					ND	
160 Anthraquinone	180		10.420					ND	U
161 Methapyrilene	58		10.431					ND	
162 Isodrin	193		10.618					ND	
164 Fluoranthene	202	10.750	10.753	0.000	98	2379446	8.00	7.89	
165 1-Hydroxyanthraquinone	224		10.783					ND	U
166 Benzidine	184	10.846	10.841	0.005	52	10474	16.0	0.0918	a
288 2-Methylanthracene	192	10.915	10.921	-0.004	1	193		NC	
167 Pyrene	202	10.948	10.953	0.005	97	2467374	8.00	7.94	
276 Aramite Peak 1	185		11.002					ND	U
168 Aramite, Total	185		11.067					ND	
279 Aramite Peak 2	185		11.067					ND	U
170 p-Dimethylamino azobenzene	120		11.168					ND	
169 1,4-Dihydroxyanthraquinone	240		11.195					ND	
171 Chlorobenzilate	251		11.200					ND	
172 Famphur	218		11.435					ND	U
174 Butyl benzyl phthalate	149	11.476	11.479	-0.001	96	1008192	8.00	7.81	
175 9-Octadecenamide	59		11.478					ND	U
173 3,3'-Dimethylbenzidine	212		11.489					ND	U
176 Kepone	272		11.563					ND	U
177 2-Acetylaminofluorene	181		11.761					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
178 4,4'-Methylene bis(2-chloroanil	231		12.076					ND	U
181 Bis(2-ethylhexyl) phthalate	149	12.085	12.084	-0.001	95	1331848	8.00	6.97	
179 3,3'-Dichlorobenzidine	252	12.085	12.086	-0.001	60	512505	16.0	4.90	
180 Benzo[a]anthracene	228	12.144	12.141	0.005	99	2249923	8.00	7.51	
182 Chrysene	228	12.187	12.184	0.005	96	2186052	8.00	7.56	
183 6-Methylchrysene	242		12.744					ND	U
184 Di-n-octyl phthalate	149	12.913	12.911	0.004	99	2149366	8.00	7.02	
185 7,12-Dimethylbenz(a)anthracene	256		13.519					ND	U
186 Benzo[b]fluoranthene	252	13.560	13.557	0.005	97	2328517	8.00	7.37	
187 Benzo[k]fluoranthene	252	13.592	13.595	0.005	99	2251257	8.00	7.21	
192 Hexachlorophene	196		13.898					ND	
189 Benzo[a]pyrene	252	14.030	14.032	0.000	77	1902344	8.00	6.98	
190 3-Methylcholanthrene	268		14.528					ND	
283 Benzo[e]pyrene	252	15.195	15.216	-0.019	1	202		NC	
191 Dibenz[a,h]acridine	279		15.340					ND	U
193 Indeno[1,2,3-cd]pyrene	276	15.707	15.705	0.005	98	2667354	8.00	7.11	
194 Dibenz(a,h)anthracene	278	15.707	15.708	-0.001	91	2239066	8.00	7.04	
195 Benzo[g,h,i]perylene	276	16.103	16.133	0.000	98	2247590	8.00	7.26	
197 Dibenzo[a,e]pyrene	302		19.213					ND	
199 CAG-800	149		19.675					ND	
256 CN-500	112		19.994					ND	
295 4-Bromofluorobenzene TIC	1		0.000					ND	
292 Ethylene Dibromide TIC	1		0.000					ND	
290 1,3-Dibromobenzene TIC	1		0.000					ND	
297 Fluorobenzene TIC	1		0.000					ND	
301 3-Amino-4-Chlorobenzotrifluoride	1		0.000					ND	
300 1-Bromo-4-ethylbenzene TIC	1		0.000					ND	
293 3-Nitro-4-Chlorobenzotrifluoride	1		0.000					ND	
298 2-Bromopyridine TIC	1		0.000					ND	
294 3'-Bromoacetophenone TIC	1		0.000					ND	
302 1-Bromo-2-chloroethane TIC	1		0.000					ND	
291 1,4-Dibromobenzene TIC	1		0.000					ND	
299 1-Bromo-3-fluorobenzene TIC	1		0.000					ND	
296 1,2-dichloro-4-(trifluoromethyl)	1		0.000					ND	
303 Carbofuran	1		0.000					ND	
206 2,4-Toluene diamine	1		0.195					ND	
233 4-Chlorobenzotrifluoride TIC	1		0.195					ND	
238 Phenylacetic Acid	1		0.195					ND	
210 Dibenzo[a,h]pyrene	1		0.195					ND	
240 Prometryn (TIC)	1		0.195					ND	
220 Tetramethyl lead TIC	1		0.195					ND	
215 trans Azobenzene (TIC)	1		0.195					ND	
225 Dibenz(a,i)pyrene	1		0.195					ND	
212 Hexamethyldisiloxane TIC	1		0.195					ND	
219 Photomirex TIC	1		0.195					ND	
230 2,3-Dichlorophenol	1		0.195					ND	
204 2,6-Dichlorotoluene TIC	1		0.195					ND	
201 7H-Dibenzo[c,g]carbazole	1		0.195					ND	
218 3-Chlorobenzotrifluoride TIC	1		0.195					ND	
211 Pendimethalin (TIC)	1		0.195					ND	
244 Pendimethalin	1		0.195					ND	
227 Dibenz[a,j]acridine	279		0.195					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
247 Benefin (TIC)	1		0.195					ND	
224 1-Bromopropane	1		0.195					ND	
222 2-Chlorobenzotrifluoride TIC	1		0.195					ND	
205 Phenylmercaptan	110		0.195					ND	
250 Pentachlorophenol_T	266		9.577					ND	
252 Benzidine_T	184	10.846	10.837	0.009	53	9498			NR
253 4,4'-DDE	246		10.998					ND	
254 4,4'-DDD	235	11.268	11.302	-0.034	53	281			NR
255 4,4'-DDT	235	11.637	11.596	0.041	61	982			NR
S 259 Chlorobenzotrifluoride N.O.S	1		0.195					ND	
S 260 Chlorotoluene N.O.S	1		0.195					ND	
S 261 Total Cresols	1				0			13.4	
S 263 3-Methylphenol	1				0		8.00	6.93	
S 264 EPH Adjustment 1	1		0.195					ND	
S 262 3 & 4 Methylphenol	108				0			6.93	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

MB_LLIS_WRK_00208 Amount Added: 20.00 Units: uL Run Reagent

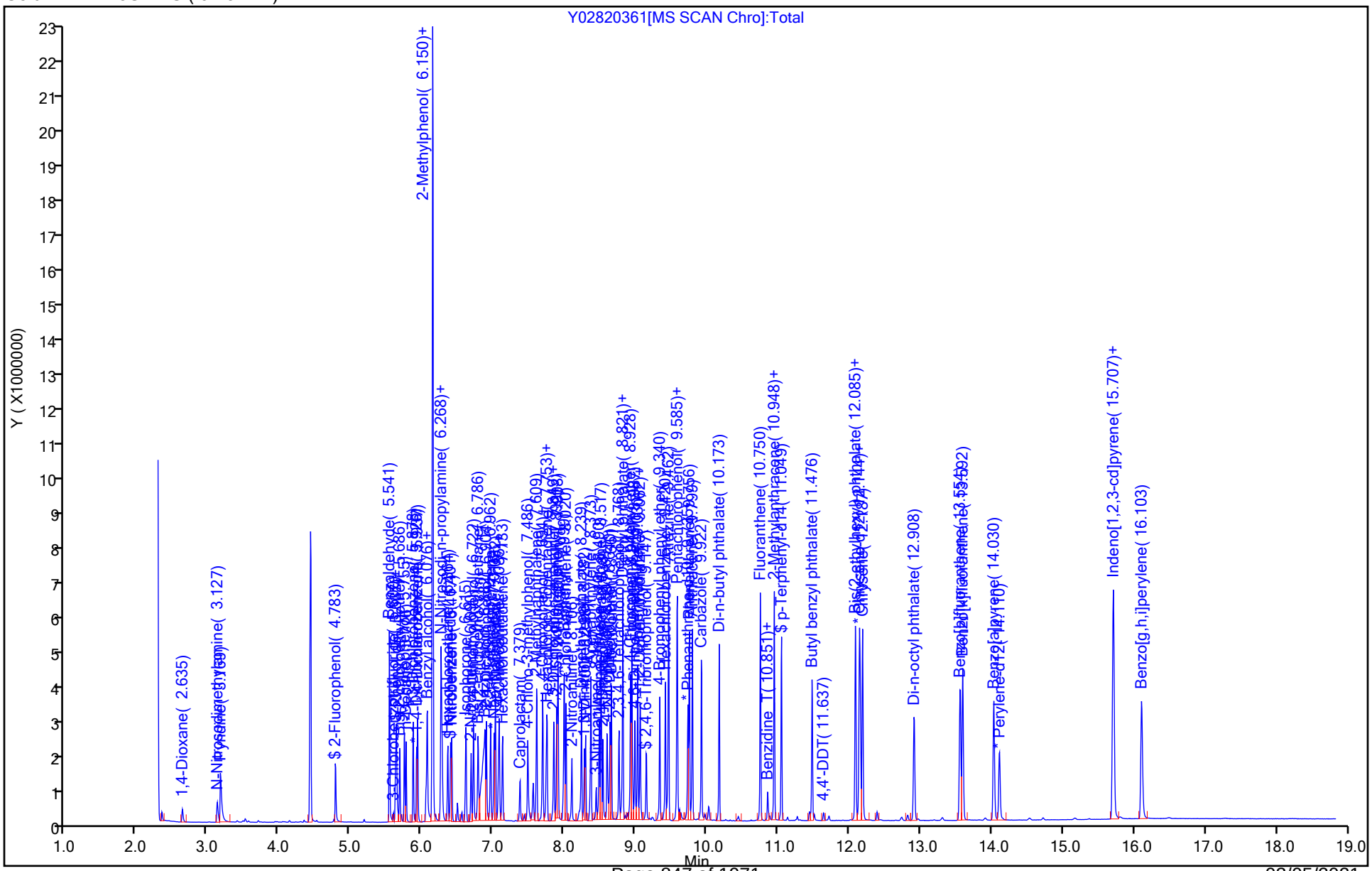
Report Date: 02-Mar-2021 16:02:17 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20210301-96898.b\Y02820361.D

Injection Date:	01-Mar-2021 15:47:30	Instrument ID:	HP5973Y	Operator ID:	JM
Lims ID:	480-181441-D-8-A MSD			Worklist Smp#:	15
Client ID:	MW-2S-022321				
Injection Vol:	2.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	Y-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Instrument ID: HP5973Y Start Date: 02/18/2021 11:38

Analysis Batch Number: 569943 End Date: 02/18/2021 23:18

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-569943/2		02/18/2021 11:38	1	Y02820280.D	RXI-5Sil MS 0.25(mm)
IC 480-569943/3		02/18/2021 12:07	1	Y02820281.D	RXI-5Sil MS 0.25(mm)
IC 480-569943/4		02/18/2021 12:36	1	Y02820282.D	RXI-5Sil MS 0.25(mm)
IC 480-569943/5		02/18/2021 13:05	1	Y02820283.D	RXI-5Sil MS 0.25(mm)
IC 480-569943/6		02/18/2021 13:35	1	Y02820284.D	RXI-5Sil MS 0.25(mm)
ICIS 480-569943/7		02/18/2021 14:03	1	Y02820285.D	RXI-5Sil MS 0.25(mm)
IC 480-569943/8		02/18/2021 14:32	1	Y02820286.D	RXI-5Sil MS 0.25(mm)
IC 480-569943/9		02/18/2021 15:01	1	Y02820287.D	RXI-5Sil MS 0.25(mm)
IC 480-569943/10		02/18/2021 15:30	1	Y02820288.D	RXI-5Sil MS 0.25(mm)
ICV 480-569943/11		02/18/2021 15:59	1	Y02820289.D	RXI-5Sil MS 0.25(mm)
IC 480-569943/12		02/18/2021 16:28	1		RXI-5Sil MS 0.25(mm)
IC 480-569943/13		02/18/2021 16:57	1		RXI-5Sil MS 0.25(mm)
IC 480-569943/14		02/18/2021 17:27	1		RXI-5Sil MS 0.25(mm)
IC 480-569943/15		02/18/2021 17:56	1		RXI-5Sil MS 0.25(mm)
IC 480-569943/16		02/18/2021 18:26	1		RXI-5Sil MS 0.25(mm)
IC 480-569943/17		02/18/2021 18:55	1		RXI-5Sil MS 0.25(mm)
IC 480-569943/18		02/18/2021 19:24	1		RXI-5Sil MS 0.25(mm)
ICV 480-569943/19		02/18/2021 19:52	1		RXI-5Sil MS 0.25(mm)
IC 480-569943/20		02/18/2021 20:22	1		RXI-5Sil MS 0.25(mm)
IC 480-569943/21		02/18/2021 20:50	1		RXI-5Sil MS 0.25(mm)
IC 480-569943/22		02/18/2021 21:19	1		RXI-5Sil MS 0.25(mm)
IC 480-569943/23		02/18/2021 21:49	1		RXI-5Sil MS 0.25(mm)
IC 480-569943/24		02/18/2021 22:18	1		RXI-5Sil MS 0.25(mm)
IC 480-569943/25		02/18/2021 22:48	1		RXI-5Sil MS 0.25(mm)
IC 480-569943/26		02/18/2021 23:18	1		RXI-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Instrument ID: HP5973Y Start Date: 03/01/2021 09:27

Analysis Batch Number: 570863 End Date: 03/01/2021 19:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-570863/2		03/01/2021 09:27	1	Y02820348.D	RXI-5Sil MS 0.25(mm)
CCVIS 480-570863/3		03/01/2021 09:55	1	Y02820349.D	RXI-5Sil MS 0.25(mm)
CCV 480-570863/5		03/01/2021 10:54	1		RXI-5Sil MS 0.25(mm)
CCV 480-570863/7		03/01/2021 11:53	1		RXI-5Sil MS 0.25(mm)
MB 480-570715/1-A		03/01/2021 12:52	1	Y02820355.D	RXI-5Sil MS 0.25(mm)
LCS 480-570715/2-A		03/01/2021 13:21	1	Y02820356.D	RXI-5Sil MS 0.25(mm)
ZZZZZ		03/01/2021 13:50	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		03/01/2021 14:19	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		03/01/2021 14:48	1		RXI-5Sil MS 0.25(mm)
480-181441-8 MS	MW-2S-022321 MS	03/01/2021 15:17	1	Y02820360.D	RXI-5Sil MS 0.25(mm)
480-181441-8 MSD	MW-2S-022321 MSD	03/01/2021 15:47	1	Y02820361.D	RXI-5Sil MS 0.25(mm)
480-181441-8	MW-2S-022321	03/01/2021 16:16	1	Y02820362.D	RXI-5Sil MS 0.25(mm)
ZZZZZ		03/01/2021 16:46	100		RXI-5Sil MS 0.25(mm)
ZZZZZ		03/01/2021 17:15	20		RXI-5Sil MS 0.25(mm)
ZZZZZ		03/01/2021 17:45	20		RXI-5Sil MS 0.25(mm)
ZZZZZ		03/01/2021 18:14	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		03/01/2021 18:44	1		RXI-5Sil MS 0.25(mm)
480-181441-1	MW-6D-022221	03/01/2021 19:14	1	Y02820368.D	RXI-5Sil MS 0.25(mm)
480-181441-2	MW5S-022221	03/01/2021 19:44	1	Y02820369.D	RXI-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Instrument ID: HP5973Y Start Date: 03/03/2021 11:51

Analysis Batch Number: 571002 End Date: 03/03/2021 21:43

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-571002/2		03/03/2021 11:51	1	Y02820412.D	RXI-5Sil MS 0.25(mm)
CCVIS 480-571002/3		03/03/2021 12:20	1	Y02820413.D	RXI-5Sil MS 0.25(mm)
480-181441-3	MW-5D-022221	03/03/2021 13:18	1	Y02820415.D	RXI-5Sil MS 0.25(mm)
480-181441-4	MW-3D-022321	03/03/2021 13:48	1	Y02820416.D	RXI-5Sil MS 0.25(mm)
480-181441-5	MW-3S-022321	03/03/2021 14:18	1	Y02820417.D	RXI-5Sil MS 0.25(mm)
480-181441-6	DUP-1-022321	03/03/2021 14:47	1	Y02820418.D	RXI-5Sil MS 0.25(mm)
480-181441-7	MW-1S-022221	03/03/2021 15:17	1	Y02820419.D	RXI-5Sil MS 0.25(mm)
480-181441-9	MW-2D-022321	03/03/2021 15:47	1	Y02820420.D	RXI-5Sil MS 0.25(mm)
480-181441-10	MW-4S-022221	03/03/2021 16:17	1	Y02820421.D	RXI-5Sil MS 0.25(mm)
480-181441-11	MW-6S-022221	03/03/2021 16:46	1	Y02820422.D	RXI-5Sil MS 0.25(mm)
480-181441-12	TMW-2D-022421	03/03/2021 17:16	1	Y02820423.D	RXI-5Sil MS 0.25(mm)
ZZZZZ		03/03/2021 17:46	5		RXI-5Sil MS 0.25(mm)
ZZZZZ		03/03/2021 18:15	5		RXI-5Sil MS 0.25(mm)
ZZZZZ		03/03/2021 18:44	5		RXI-5Sil MS 0.25(mm)
ZZZZZ		03/03/2021 19:14	5		RXI-5Sil MS 0.25(mm)
ZZZZZ		03/03/2021 19:44	10		RXI-5Sil MS 0.25(mm)
ZZZZZ		03/03/2021 20:13	5		RXI-5Sil MS 0.25(mm)
ZZZZZ		03/03/2021 20:43	5		RXI-5Sil MS 0.25(mm)
ZZZZZ		03/03/2021 21:13	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		03/03/2021 21:43	200		RXI-5Sil MS 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Batch Number: 570715 Batch Start Date: 02/26/21 09:50 Batch Analyst: Pollock, Jacob M

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH	SecondAdjustpH	O_8270LL LCS 00113
MB 480-570715/1		3510C, 8270D		250 mL	1 mL	7 SU	<2 SU	>11 SU	
LCS 480-570715/2		3510C, 8270D		250 mL	1 mL	7 SU	<2 SU	>11 SU	1 mL
480-181441-C-8 MS	MW-2S-022321	3510C, 8270D	T	230 mL	1 mL	8 SU	<2 SU	>11 SU	1 mL
480-181441-D-8 MSD	MW-2S-022321	3510C, 8270D	T	250 mL	1 mL	8 SU	<2 SU	>11 SU	1 mL
480-181441-C-8	MW-2S-022321	3510C, 8270D	T	230 mL	1 mL	8 SU	<2 SU	>11 SU	
480-181441-C-1	MW-6D-022221	3510C, 8270D	T	230 mL	1 mL	8 SU	<2 SU	>11 SU	
480-181441-C-2	MW5S-022221	3510C, 8270D	T	230 mL	1 mL	7 SU	<2 SU	>11 SU	
480-181441-D-3	MW-5D-022221	3510C, 8270D	T	230 mL	1 mL	7 SU	<2 SU	>11 SU	
480-181441-D-4	MW-3D-022321	3510C, 8270D	T	200 mL	1 mL	7 SU	<2 SU	>11 SU	
480-181441-D-5	MW-3S-022321	3510C, 8270D	T	230 mL	1 mL	7 SU	<2 SU	>11 SU	
480-181441-C-6	DUP-1-022321	3510C, 8270D	T	230 mL	1 mL	7 SU	<2 SU	>11 SU	
480-181441-C-7	MW-1S-022221	3510C, 8270D	T	250 mL	1 mL	7 SU	<2 SU	>11 SU	
480-181441-D-9	MW-2D-022321	3510C, 8270D	T	210 mL	1 mL	7 SU	<2 SU	>11 SU	
480-181441-D-10	MW-4S-022221	3510C, 8270D	T	230 mL	1 mL	7 SU	<2 SU	>11 SU	
480-181441-C-11	MW-6S-022221	3510C, 8270D	T	230 mL	1 mL	7 SU	<2 SU	>11 SU	
480-181441-C-12	TMW-2D-022421	3510C, 8270D	T	230 mL	1 mL	7 SU	<2 SU	>11 SU	

Lab Sample ID	Client Sample ID	Method Chain	Basis	O_8270LLsurr 00081					
MB 480-570715/1		3510C, 8270D		1 mL					
LCS 480-570715/2		3510C, 8270D		1 mL					
480-181441-C-8 MS	MW-2S-022321	3510C, 8270D	T	1 mL					
480-181441-D-8 MSD	MW-2S-022321	3510C, 8270D	T	1 mL					
480-181441-C-8	MW-2S-022321	3510C, 8270D	T	1 mL					
480-181441-C-1	MW-6D-022221	3510C, 8270D	T	1 mL					
480-181441-C-2	MW5S-022221	3510C, 8270D	T	1 mL					
480-181441-D-3	MW-5D-022221	3510C, 8270D	T	1 mL					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Batch Number: 570715 Batch Start Date: 02/26/21 09:50 Batch Analyst: Pollock, Jacob M

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	O_8270LLsurr 00081					
480-181441-D-4	MW-3D-022321	3510C, 8270D	T	1 mL					
480-181441-D-5	MW-3S-022321	3510C, 8270D	T	1 mL					
480-181441-C-6	DUP-1-022321	3510C, 8270D	T	1 mL					
480-181441-C-7	MW-1S-022221	3510C, 8270D	T	1 mL					
480-181441-D-9	MW-2D-022321	3510C, 8270D	T	1 mL					
480-181441-D-10	MW-4S-022221	3510C, 8270D	T	1 mL					
480-181441-C-11	MW-6S-022221	3510C, 8270D	T	1 mL					
480-181441-C-12	TMW-2D-022421	3510C, 8270D	T	1 mL					

Batch Notes	
Acid Used for pH Adjustment ID	6328507
Base Used to Adjust pH ID	6346268
Analyst ID - Concentration	JP
Analyst ID - Extraction	JP
Method/Fraction	3510C_LVI/8270D
Na2SO4 ID	6341045
Prep Solvent ID	6341811
Prep Solvent Volume Used	120 mL
Analyst ID - Spike Analyst	JP
Analyst ID - Spike Witness Analyst	JP
Sufficient Volume for Batch QC	Yes
Vial Lot Number	00259742

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PFC_IDA

Fluorinated Alkyl Substances

FORM II
LCMS SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): C-18 ID: 4.6 (mm)

Client Sample ID	Lab Sample ID	PFBA #	PFPeA #	C3PFBS #	PFHxA #	PFHxS #	C4PFHA #	M262FTS #	PFOA #
MW-6D-022221	480-181441-1	89	106	102	108	104	108	105	106
MW5S-022221	480-181441-2	93	106	109	105	111	107	112	108
MW-5D-022221	480-181441-3	89	105	106	110	104	107	106	104
MW-3D-022321	480-181441-4	85	112	106	111	110	110	108	113
MW-3S-022321	480-181441-5	91	106	100	107	107	108	104	106
DUP-1-022321	480-181441-6	95	107	105	109	104	108	98	104
MW-1S-022221	480-181441-7	88	109	110	110	108	110	109	105
MW-2S-022321	480-181441-8	85	100	99	105	101	103	106	103
MW-2D-022321	480-181441-9	91	101	101	105	105	110	100	104
MW-4S-022221	480-181441-10	82	105	100	106	106	106	105	104
MW-6S-022221	480-181441-11	91	102	102	103	105	101	102	103
TMW-2D-022421	480-181441-12	87	104	98	107	101	106	107	105
EQUIP BLANK	480-181441-13	110	108	106	112	106	112	108	107
	MB 200-164458/1-A	111	115	106	110	108	114	108	108
	LCS 200-164458/2-A	113	110	105	111	107	108	105	108
MW-2S-022321 MS	480-181441-8 MS	92	103	101	110	104	108	109	106
MW-2S-022321 MSD	480-181441-8 MSD	95	107	103	112	111	113	108	106

	QC LIMITS
PFBA = 13C4 PFBA	25-150
PFPeA = 13C5 PFPeA	25-150
C3PFBS = 13C3 PFBS	50-150
PFHxA = 13C2 PFHxA	50-150
PFHxS = 18O2 PFHxS	50-150
C4PFHA = 13C4 PFHpA	50-150
M262FTS = M2-6:2 FTS	25-150
PFOA = 13C4 PFOA	50-150

Column to be used to flag recovery values

FORM II 537 (modified)

FORM II
LCMS SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): C-18 ID: 4.6 (mm)

Client Sample ID	Lab Sample ID	PFOS #	PFNA #	M282FTS #	PFDA #	PFOSA #	d3NMFOS #	PFUnA #	d5NEFOS #
MW-6D-022221	480-181441-1	105	102	80	81	98	66	62	63
MW5S-022221	480-181441-2	107	105	105	100	86	88	84	85
MW-5D-022221	480-181441-3	86	94	81	78	91	63	65	69
MW-3D-022321	480-181441-4	104	107	111	101	93	90	96	84
MW-3S-022321	480-181441-5	96	99	93	89	88	74	77	73
DUP-1-022321	480-181441-6	97	100	88	86	90	72	74	73
MW-1S-022221	480-181441-7	107	98	98	93	93	78	83	79
MW-2S-022321	480-181441-8	101	100	103	96	94	90	90	92
MW-2D-022321	480-181441-9	100	101	98	87	87	70	73	73
MW-4S-022221	480-181441-10	101	103	99	93	95	81	85	83
MW-6S-022221	480-181441-11	101	103	95	91	86	80	81	86
TMW-2D-022421	480-181441-12	104	102	101	99	90	84	81	79
EQUIP BLANK	480-181441-13	110	105	117	107	87	91	98	92
	MB 200-164458/1-A	109	108	107	108	84	95	102	92
	LCS 200-164458/2-A	105	103	105	99	83	92	95	99
MW-2S-022321 MS	480-181441-8 MS	104	101	98	98	93	86	86	89
MW-2S-022321 MSD	480-181441-8 MSD	108	100	104	96	98	88	88	94

	QC LIMITS
PFOS = 13C4 PFOS	50-150
PFNA = 13C5 PFNA	50-150
M282FTS = M2-8:2 FTS	25-150
PFDA = 13C2 PFDA	50-150
PFOSA = 13C8 FOSA	25-150
d3NMFOS = d3-NMeFOSAA	50-150
PFUnA = 13C2 PFUnA	50-150
d5NEFOS = d5-NEtFOSAA	50-150

Column to be used to flag recovery values

FORM II 537 (modified)

FORM II
LCMS SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): C-18 ID: 4.6 (mm)

Client Sample ID	Lab Sample ID	PFDoA #	PFTDA #
MW-6D-022221	480-181441-1	57	62
MW5S-022221	480-181441-2	89	88
MW-5D-022221	480-181441-3	60	63
MW-3D-022321	480-181441-4	87	92
MW-3S-022321	480-181441-5	75	77
DUP-1-022321	480-181441-6	69	78
MW-1S-022221	480-181441-7	82	79
MW-2S-022321	480-181441-8	85	81
MW-2D-022321	480-181441-9	65	68
MW-4S-022221	480-181441-10	80	82
MW-6S-022221	480-181441-11	76	73
TMW-2D-022421	480-181441-12	77	79
EQUIP BLANK	480-181441-13	88	79
	MB 200-164458/1-A	87	80
	LCS 200-164458/2-A	87	86
MW-2S-022321 MS	480-181441-8 MS	84	78
MW-2S-022321 MSD	480-181441-8 MSD	85	81

	QC LIMITS
PFDoA = 13C2 PFDoA	50-150
PFTDA = 13C2 PFTeDA	50-150

Column to be used to flag recovery values

FORM II 537 (modified)

FORM III
LCMS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Matrix: Water Level: Low Lab File ID: PA210303B03.d

Lab ID: LCS 200-164458/2-A Client ID:

COMPOUND	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC	QC LIMITS REC	#
13C2 PFDA	50.0	49.4	99	50-150	
13C2 PFDoA	50.0	43.3	87	50-150	
13C2 PFHxA	50.0	55.5	111	50-150	
13C2 PFTeDA	50.0	43.0	86	50-150	
13C2 PFUnA	50.0	47.7	95	50-150	
13C3 PFBS	46.5	48.6	105	50-150	
13C4 PFBA	50.0	56.6	113	25-150	
13C4 PFHpA	50.0	53.9	108	50-150	
13C4 PFOA	50.0	54.1	108	50-150	
13C4 PFOS	47.8	50.3	105	50-150	
13C5 PFNA	50.0	51.6	103	50-150	
13C5 PFPeA	50.0	55.1	110	25-150	
13C8 FOSA	50.0	41.4	83	25-150	
18O2 PFHxS	47.3	50.7	107	50-150	
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	38.3	29.9	78	50-150	
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	37.9	35.3	93	50-150	
d3-NMeFOSAA	50.0	45.8	92	50-150	
d5-NEtFOSAA	50.0	49.3	99	50-150	
M2-6:2 FTS	47.5	49.6	105	25-150	
M2-8:2 FTS	47.9	50.3	105	25-150	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	38.1	95	70-130	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	37.5	94	70-130	
Perfluorobutanesulfonic acid (PFBS)	35.4	36.1	102	70-130	
Perfluorobutanoic acid (PFBA)	40.0	39.6	99	50-150	
Perfluorodecanesulfonic acid (PFDS)	38.6	38.0	99	50-150	
Perfluorodecanoic acid (PFDA)	40.0	41.5	104	70-130	
Perfluorododecanoic acid (PFDoA)	40.0	36.5	91	70-130	
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	40.4	106	50-150	
Perfluoroheptanoic acid (PFHpA)	40.0	41.3	103	70-130	
Perfluorohexanesulfonic acid (PFHxS)	36.4	35.6	98	70-130	
Perfluorohexanoic acid (PFHxA)	40.0	39.8	100	70-130	
Perfluorononanoic acid (PFNA)	40.0	41.3	103	70-130	
Perfluorooctanesulfonamide (PFOSA)	40.0	43.3	108	50-150	

Column to be used to flag recovery and RPD values

FORM III 537 (modified)

FORM III
LCMS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Matrix: Water Level: Low Lab File ID: PA210303B03.d

Lab ID: LCS 200-164458/2-A Client ID:

COMPOUND	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC	QC LIMITS REC	#
Perfluorooctanesulfonic acid (PFOS)	37.1	37.5	101	70-130	
Perfluorooctanoic acid (PFOA)	40.0	41.5	104	70-130	
Perfluoropentanoic acid (PFPeA)	40.0	40.2	101	50-150	
Perfluorotetradecanoic acid (PFTeA)	40.0	44.4	111	70-130	
Perfluorotridecanoic acid (PFTriA)	40.0	39.1	98	70-130	
Perfluoroundecanoic acid (PFUnA)	40.0	41.1	103	70-130	

Column to be used to flag recovery and RPD values

FORM III 537 (modified)

FORM III
LCMS MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Matrix: Water Level: Low Lab File ID: PA210303B18.d

Lab ID: 480-181441-8 MS Client ID: MW-2S-022321 MS

COMPOUND	SPIKE ADDED (ng/L)	SAMPLE CONCENTRATION (ng/L)	MS CONCENTRATION (ng/L)	MS % REC	QC LIMITS REC	#
13C2 PFDA	42.1	44	41.5	98	50-150	
13C2 PFDoA	42.1	39	35.2	84	50-150	
13C2 PFHxA	42.1	48	46.3	110	50-150	
13C2 PFTeDA	42.1	37	32.7	78	50-150	
13C2 PFUnA	42.1	41	36.0	86	50-150	
13C3 PFBS	39.2	42	39.6	101	50-150	
13C4 PFBA	42.1	39	38.7	92	25-150	
13C4 PFHpA	42.1	47	45.3	108	50-150	
13C4 PFOA	42.1	47	44.7	106	50-150	
13C4 PFOS	40.3	44	42.0	104	50-150	
13C5 PFNA	42.1	46	42.4	101	50-150	
13C5 PFPeA	42.1	46	43.2	103	25-150	
13C8 FOSA	42.1	43	39.0	93	25-150	
18O2 PFHxS	39.9	43	41.3	104	50-150	
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	32.3	ND	25.2	78	40-160	
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	32.0	ND	29.4	92	40-160	
d3-NMeFOSAA	42.1	41	36.3	86	50-150	
d5-NEtFOSAA	42.1	42	37.4	89	50-150	
M2-6:2 FTS	40.0	46	43.5	109	25-150	
M2-8:2 FTS	40.4	45	39.6	98	25-150	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	33.7	ND	31.9	95	40-160	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	33.7	ND	33.8	100	40-160	
Perfluorobutanesulfonic acid (PFBS)	29.8	ND	30.7	103	40-160	
Perfluorobutanoic acid (PFBA)	33.7	2.7 J	35.9	98	40-160	
Perfluorodecanesulfonic acid (PFDS)	32.5	ND	29.9	92	40-160	
Perfluorodecanoic acid (PFDA)	33.7	ND	32.9	97	40-160	
Perfluorododecanoic acid (PFDoA)	33.7	ND	32.2	96	40-160	
Perfluoroheptanesulfonic Acid (PFHpS)	32.1	ND	33.5	104	40-160	
Perfluoroheptanoic acid (PFHpA)	33.7	ND	34.4	102	40-160	
Perfluorohexanesulfonic acid (PFHxS)	30.7	ND	30.1	98	40-160	
Perfluorohexanoic acid (PFHxA)	33.7	ND	34.5	102	40-160	
Perfluorononanoic acid (PFNA)	33.7	ND	34.5	102	40-160	
Perfluorooctanesulfonamide (PFOSA)	33.7	ND	34.6	103	40-160	

Column to be used to flag recovery and RPD values

FORM III 537 (modified)

FORM III
LCMS MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Matrix: Water Level: Low Lab File ID: PA210303B18.d

Lab ID: 480-181441-8 MS Client ID: MW-2S-022321 MS

COMPOUND	SPIKE ADDED (ng/L)	SAMPLE CONCENTRATION (ng/L)	MS CONCENTRATION (ng/L)	MS % REC	QC LIMITS REC	#
Perfluorooctanesulfonic acid (PFOS)	31.3	ND	31.5	101	40-160	
Perfluorooctanoic acid (PFOA)	33.7	ND	34.8	103	40-160	
Perfluoropentanoic acid (PFPeA)	33.7	ND	34.0	101	40-160	
Perfluorotetradecanoic acid (PFTeA)	33.7	ND	37.7	112	40-160	
Perfluorotridecanoic acid (PFTriA)	33.7	ND	34.3	102	40-160	
Perfluoroundecanoic acid (PFUnA)	33.7	ND	36.2	107	40-160	

Column to be used to flag recovery and RPD values

FORM III 537 (modified)

FORM III
LCMS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Matrix: Water Level: Low Lab File ID: PA210303B19.d

Lab ID: 480-181441-8 MSD Client ID: MW-2S-022321 MSD

COMPOUND	SPIKE ADDED (ng/L)	MSD CONCENTRATION (ng/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
13C2 PFDA	42.1	40.4	96			50-150	
13C2 PFDoA	42.1	35.6	85			50-150	
13C2 PFHxA	42.1	47.0	112			50-150	
13C2 PFTeDA	42.1	34.1	81			50-150	
13C2 PFUnA	42.1	37.2	88			50-150	
13C3 PFBS	39.1	40.4	103			50-150	
13C4 PFBA	42.1	40.1	95			25-150	
13C4 PFHpA	42.1	47.4	113			50-150	
13C4 PFOA	42.1	44.5	106			50-150	
13C4 PFOS	40.2	43.4	108			50-150	
13C5 PFNA	42.1	42.2	100			50-150	
13C5 PFPeA	42.1	45.1	107			25-150	
13C8 FOSA	42.1	41.4	98			25-150	
18O2 PFHxS	39.8	44.0	111			50-150	
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	32.3	28.0	87	11	30	40-160	
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	31.9	28.1	88	4	30	40-160	
d3-NMeFOSAA	42.1	36.9	88			50-150	
d5-NEtFOSAA	42.1	39.7	94			50-150	
M2-6:2 FTS	40.0	43.1	108			25-150	
M2-8:2 FTS	40.3	42.0	104			25-150	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	33.7	33.5	100	5	20	40-160	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	33.7	37.7	112	11	20	40-160	
Perfluorobutanesulfonic acid (PFBS)	29.8	31.1	104	1	20	40-160	
Perfluorobutanoic acid (PFBA)	33.7	35.3	97	2	30	40-160	
Perfluorodecanesulfonic acid (PFDS)	32.5	32.3	100	8	30	40-160	
Perfluorodecanoic acid (PFDA)	33.7	33.5	100	2	20	40-160	
Perfluorododecanoic acid (PFDoA)	33.7	33.3	99	3	20	40-160	
Perfluoroheptanesulfonic Acid (PFHpS)	32.1	33.8	106	1	30	40-160	
Perfluoroheptanoic acid (PFHpA)	33.7	33.5	99	3	20	40-160	
Perfluorohexanesulfonic acid (PFHxS)	30.6	29.5	96	2	20	40-160	
Perfluorohexanoic acid (PFHxA)	33.7	34.2	102	1	20	40-160	
Perfluorononanoic acid (PFNA)	33.7	35.6	106	3	20	40-160	
Perfluorooctanesulfonamide (PFOSA)	33.7	34.4	102	1	30	40-160	

Column to be used to flag recovery and RPD values

FORM III 537 (modified)

FORM III
LCMS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Matrix: Water Level: Low Lab File ID: PA210303B19.d

Lab ID: 480-181441-8 MSD Client ID: MW-2S-022321 MSD

COMPOUND	SPIKE ADDED (ng/L)	MSD CONCENTRATION (ng/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Perfluorooctanesulfonic acid (PFOS)	31.2	31.3	100	1	20	40-160	
Perfluorooctanoic acid (PFOA)	33.7	36.3	108	4	20	40-160	
Perfluoropentanoic acid (PFPeA)	33.7	34.6	103	2	30	40-160	
Perfluorotetradecanoic acid (PFTeA)	33.7	39.8	118	5	20	40-160	
Perfluorotridecanoic acid (PFTriA)	33.7	33.2	99	3	20	40-160	
Perfluoroundecanoic acid (PFUnA)	33.7	38.5	114	6	20	40-160	

Column to be used to flag recovery and RPD values

FORM III 537 (modified)

FORM IV
LCMS METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Lab File ID: PA210303B02.d Lab Sample ID: MB 200-164458/1-A

Matrix: Water Date Extracted: 03/03/2021 08:24

Instrument ID: LC812 Date Analyzed: 03/03/2021 19:06

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-164458/2-A	PA210303B03.d	03/03/2021 19:14
MW-6D-022221	480-181441-1	PA210303B09.d	03/03/2021 20:04
MW5S-022221	480-181441-2	PA210303B10.d	03/03/2021 20:12
MW-5D-022221	480-181441-3	PA210303B11.d	03/03/2021 20:21
MW-3D-022321	480-181441-4	PA210303B12.d	03/03/2021 20:29
MW-3S-022321	480-181441-5	PA210303B13.d	03/03/2021 20:37
DUP-1-022321	480-181441-6	PA210303B15.d	03/03/2021 20:54
MW-1S-022221	480-181441-7	PA210303B16.d	03/03/2021 21:02
MW-2S-022321	480-181441-8	PA210303B17.d	03/03/2021 21:10
MW-2S-022321 MS	480-181441-8 MS	PA210303B18.d	03/03/2021 21:19
MW-2S-022321 MSD	480-181441-8 MSD	PA210303B19.d	03/03/2021 21:27
MW-2D-022321	480-181441-9	PA210303B20.d	03/03/2021 21:35
MW-4S-022221	480-181441-10	PA210303B21.d	03/03/2021 21:43
MW-6S-022221	480-181441-11	PA210303B22.d	03/03/2021 21:52
TMW-2D-022421	480-181441-12	PA210303B23.d	03/03/2021 22:00
EQUIP BLANK	480-181441-13	PA210303B24.d	03/03/2021 22:08

FORM VIII
LCMS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Sample No.: ICIS 200-162365/11 Date Analyzed: 12/22/2020 13:13

Instrument ID: LC812 GC Column: C-18 ID: 4.6(mm)

Lab File ID (Standard): PA201222ICAL011.d Heated Purge: (Y/N) N

Calibration ID: 44876

		13PFOA					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		889632	3.49				
UPPER LIMIT		1334448	3.69				
LOWER LIMIT		444816	3.29				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICB 200-162365/14		875786	3.49				
ICV 200-162365/15		893380	3.49				
CCVL 200-164489/5		1003287	3.49				
CCVIS 200-164489/6		1072526	3.49				

13PFOA = 13C2 PFOA

Area Limit = 50%-150% of internal standard area
RT Limit = ± 0.2 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 537 (MODIFIED)

FORM VIII
LCMS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Sample No.: CCVIS 200-164489/6 Date Analyzed: 03/03/2021 16:12

Instrument ID: LC812 GC Column: C-18 ID: 4.6(mm)

Lab File ID (Standard): PA210303A06.d Heated Purge: (Y/N) N

Calibration ID: 44876

		13PFOA					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		1072526	3.49				
UPPER LIMIT		1608789	3.69				
LOWER LIMIT		536263	3.29				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 200-164492/1		1041746	3.49				
MB 200-164458/1-A		1146918	3.49				
LCS 200-164458/2-A		1012670	3.49				
480-181441-1	MW-6D-022221	1199901	3.49				
480-181441-2	MW5S-022221	1145291	3.50				
480-181441-3	MW-5D-022221	1158907	3.49				
480-181441-4	MW-3D-022321	1186998	3.49				
480-181441-5	MW-3S-022321	1206177	3.49				
CCV 200-164492/14		1022066	3.49				
480-181441-6	DUP-1-022321	1012480	3.49				
480-181441-7	MW-1S-022221	987422	3.49				
480-181441-8	MW-2S-022321	1212695	3.49				
480-181441-8 MS	MW-2S-022321 MS	974880	3.49				
480-181441-8 MSD	MW-2S-022321 MSD	942952	3.49				
480-181441-9	MW-2D-022321	1215711	3.50				
480-181441-10	MW-4S-022221	1221103	3.49				
480-181441-11	MW-6S-022221	1015653	3.49				
480-181441-12	TMW-2D-022421	1245363	3.49				
480-181441-13	EQUIP BLANK	1233672	3.49				
CCV 200-164492/27		1303911	3.49				

13PFOA = 13C2 PFOA

Area Limit = 50%-150% of internal standard area
RT Limit = ± 0.2 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 537 (MODIFIED)

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Client Sample ID: MW-6D-022221 Lab Sample ID: 480-181441-1

Matrix: Water Lab File ID: PA210303B09.d

Analysis Method: 537 (modified) Date Collected: 02/22/2021 11:20

Extraction Method: 3535 Date Extracted: 03/03/2021 08:24

Sample wt/vol: 279.6(mL) Date Analyzed: 03/03/2021 20:04

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 164492 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
39108-34-4	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.8	0.59
27619-97-2	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.5	0.64
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.5	0.83
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.5	0.71
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		1.8	0.56
375-22-4	Perfluorobutanoic acid (PFBA)	ND		4.5	1.0
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.43
335-76-2	Perfluorodecanoic acid (PFDA)	ND		1.8	0.41
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		1.8	0.41
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8	0.35
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		1.8	0.41
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.60
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		1.8	0.74
375-95-1	Perfluorononanoic acid (PFNA)	ND		1.8	0.52
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.51
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		1.8	0.78
335-67-1	Perfluorooctanoic acid (PFOA)	ND		1.8	0.88
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		1.8	0.97
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		1.8	0.53
72629-94-8	Perfluorotridecanoic acid (PFTriA)	ND		1.8	0.38
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.65

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Client Sample ID: MW-6D-022221 Lab Sample ID: 480-181441-1

Matrix: Water Lab File ID: PA210303B09.d

Analysis Method: 537 (modified) Date Collected: 02/22/2021 11:20

Extraction Method: 3535 Date Extracted: 03/03/2021 08:24

Sample wt/vol: 279.6(mL) Date Analyzed: 03/03/2021 20:04

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 164492 Units: ng/L

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00996	13C2 PFDA	81		50-150
STL00998	13C2 PFDoA	57		50-150
STL00993	13C2 PFHxA	108		50-150
STL02116	13C2 PFTeDA	62		50-150
STL00997	13C2 PFUnA	62		50-150
STL02337	13C3 PFBS	102		50-150
STL00992	13C4 PFBA	89		25-150
STL01892	13C4 PFHpA	108		50-150
STL00990	13C4 PFOA	106		50-150
STL00991	13C4 PFOS	105		50-150
STL00995	13C5 PFNA	102		50-150
STL01893	13C5 PFPeA	106		25-150
STL01056	13C8 FOSA	98		25-150
STL00994	18O2 PFHxS	104		50-150
STL02118	d3-NMeFOSAA	66		50-150
STL02117	d5-NEtFOSAA	63		50-150
STL02279	M2-6:2 FTS	105		25-150
STL02280	M2-8:2 FTS	80		25-150

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B09.d
Lims ID: 480-181441-A-1-A
Client ID: MW-6D-022221
Sample Type: Client
Inject. Date: 03-Mar-2021 20:04:28 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: 480-181441-A-1-A
Misc. Info.: 200-0045034-009 Plate: 1 Rack: 2
Operator ID: lc812tech Instrument ID: LC812

Method: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 04-Mar-2021 11:30:53 Calib Date: 22-Dec-2020 13:29:37
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1647

First Level Reviewer: khanphomeea Date: 04-Mar-2021 15:05:10
Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.080	2.091	-0.011	0.596	1429609	1.11		88.7	10780	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.089	2.091	-0.002	1.004	6335	0.005528			1.6	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.411	2.413	-0.002	0.690	1234385	1.32		106	3383	
D 47 13C3 PFBS										M
301.90 > 80.00	2.424	2.439	-0.015	0.694	1450647	1.18		102	181141	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.424	2.439	-0.015	1.000	2177	0.001542	Target=2.21		3.0	M
298.90 > 99.00	2.424	2.439	-0.015	1.000	1844		1.18(1.11-3.32)		1.2	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.768	2.770	-0.002	0.793	1320169	1.35		108	3148	
8 Perfluorohexanesulfonic acid										RM
399.00 > 80.00	3.132	3.132	0.0	1.000	4971	0.004430	Target=4.15		13.9	RM
399.00 > 99.00	3.132	3.132	0.0	1.000	638		7.79(2.08-6.23)		1.5	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.132	3.132	0.0	0.897	1125895	1.23		104	3263	
D 9 13C4 PFHpA										
367.00 > 322.00	3.132	3.143	-0.011	0.897	1263372	1.35		108	5499	
D 12 M2-6:2 FTS										
429.00 > 81.00	3.483	3.483	0.0	0.997	141733	1.24		105	525	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.492	3.483	0.009	1.003	336	0.002531			6.8	M
D 14 13C4 PFOA										
417.00 > 372.00	3.492	3.492	0.0	1.000	1258385	1.32		106	3192	
* 62 13C2 PFOA										
415.00 > 370.00	3.492	3.492	0.0		1199901	1.25			3258	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
15 Perfluorooctanoic acid										RM
413.00 > 369.00	3.492	3.492	0.0	1.000	3938	0.003609	Target=2.58		1.1	RM
413.00 > 169.00	3.492	3.492	0.0	1.000	929		4.24(1.29-3.87)		3.9	M
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.699	3.804	-0.105	0.972	2407	0.003196	Target=5.65		1.2	M
499.00 > 99.00	3.578	3.804	-0.226	0.940	520		4.63(2.82-8.47)		1.0	M
D 18 13C4 PFOS										
503.00 > 80.00	3.804	3.804	0.0	1.089	782592	1.25		105	3335	
D 19 13C5 PFNA										
468.00 > 423.00	3.825	3.825	0.0	1.095	1065867	1.27		102	4488	
D 23 13C2 PFDA										
515.00 > 470.00	4.115	4.126	-0.011	1.178	813557	1.02		81.2	3095	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.126	4.137	-0.011	1.182	112971	0.9609		80.2	451	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.104	4.137	-0.033	0.995	88	0.001372				M
D 21 13C8 FOSA										
506.00 > 78.00	4.215	4.225	-0.010	1.207	1436137	1.22		97.6	3781	
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.215	4.225	-0.010	1.000	642	0.000558			6.5	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.257	4.268	-0.011	1.219	47758	0.8218		65.7	528	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.257	4.268	-0.011	1.000	87	0.002569			1.9	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.380	4.391	-0.011	1.254	512743	0.7791		62.3	3566	
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.391	4.402	-0.011	1.257	43918	0.7818		62.5	402	
D 36 13C2 PFDoA										
615.00 > 570.00	4.611	4.612	-0.001	1.320	494863	0.7123		57.0	2888	
D 43 13C2 PFTeDA										
715.00 > 670.00	5.004	5.005	-0.001	1.433	397285	0.7732		61.9	1996	
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	4.985	5.005	-0.020	0.996	111	0.001883	Target=1.06		5.1	M
713.00 > 219.00	5.004	5.005	-0.001	1.000	99		1.12(0.53-1.59)		5.6	M

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Report Date: 04-Mar-2021 11:31:07 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B09.d

Injection Date: 03-Mar-2021 20:04:28 Instrument ID: LC812

Lims ID: 480-181441-A-1-A Lab Sample ID: 200-181441-1

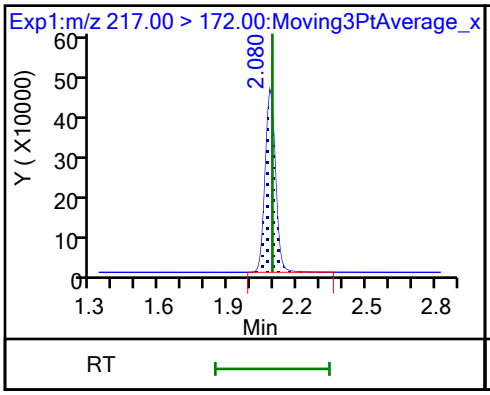
Client ID: MW-6D-022221

Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 9

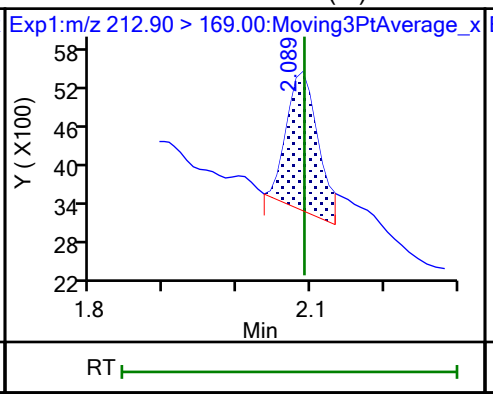
Injection Vol: 20.0 ul Dil. Factor: 1.0000

Method: PFC_LC812 Limit Group: LC_PFC_ICAL

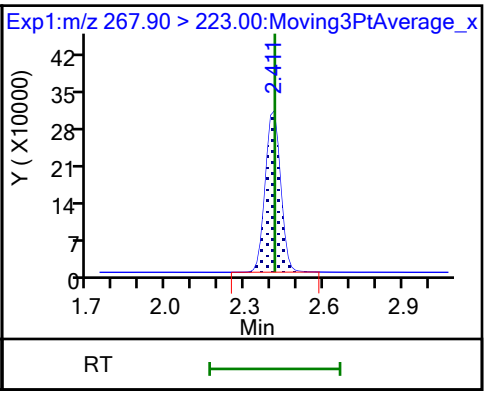
D 1 13C4 PFBA



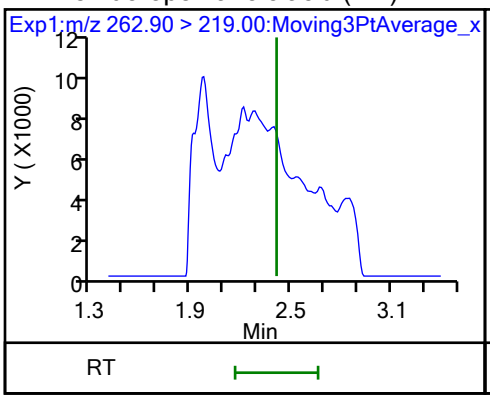
2 Perfluorobutanoic acid (M)



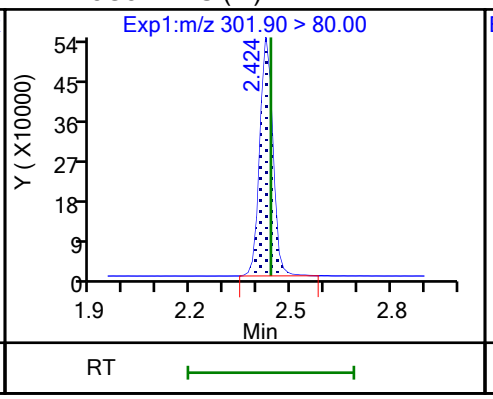
D 3 13C5 PFPeA



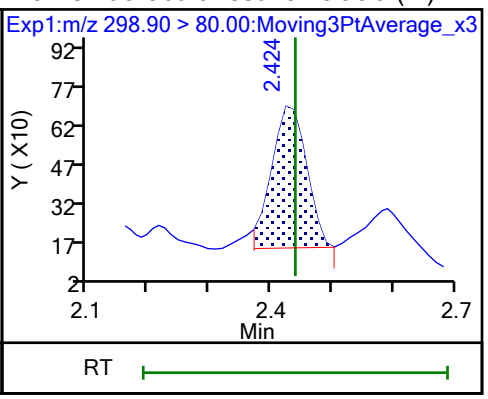
4 Perfluoropentanoic acid (ND)



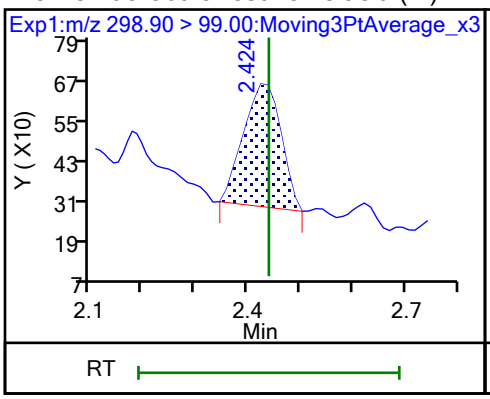
D 47 13C3 PFBS (M)



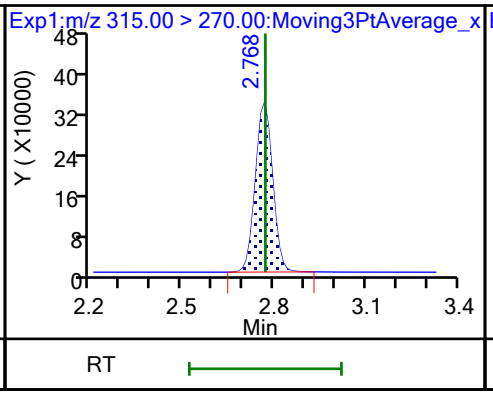
5 Perfluorobutanesulfonic acid (M)



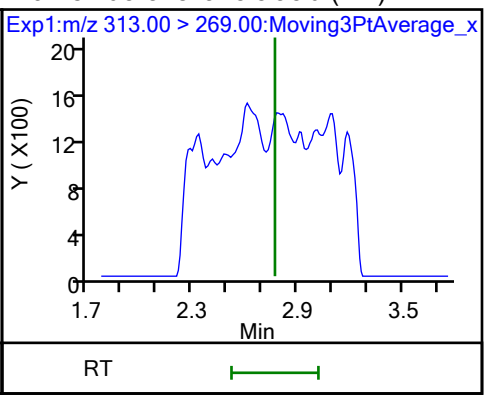
5 Perfluorobutanesulfonic acid (M)



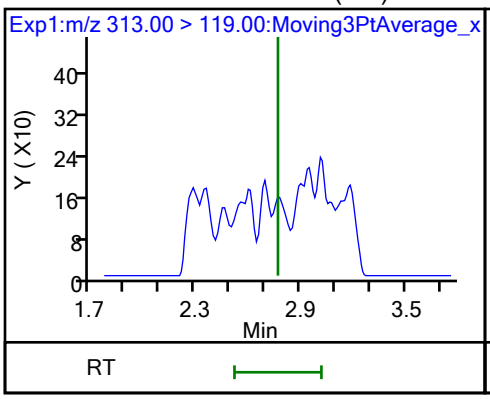
D 7 13C2 PFHxA



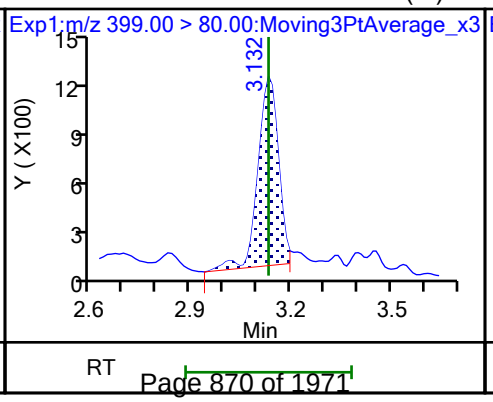
6 Perfluorohexanoic acid (ND)



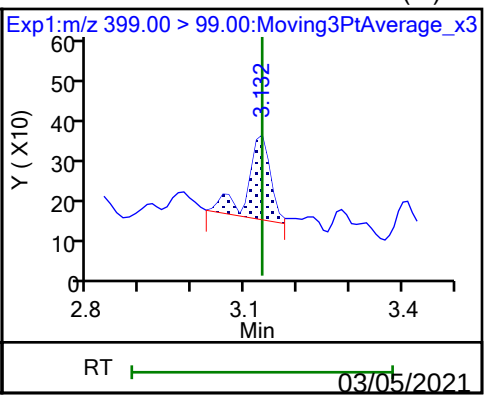
6 Perfluorohexanoic acid (ND)



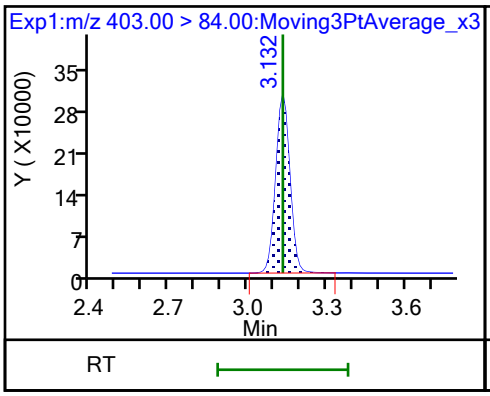
8 Perfluorohexanesulfonic acid (M)



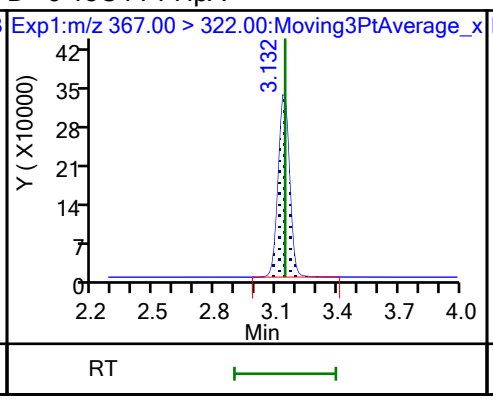
8 Perfluorohexanesulfonic acid (M)



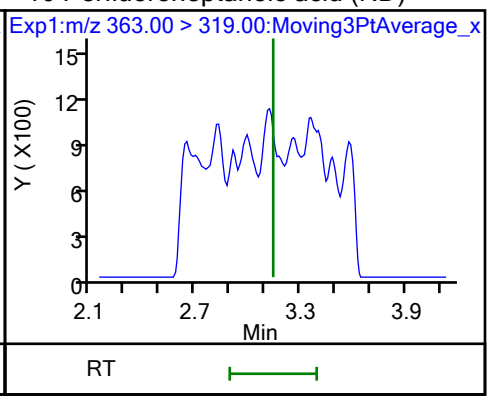
D 11 18O2 PFHxS



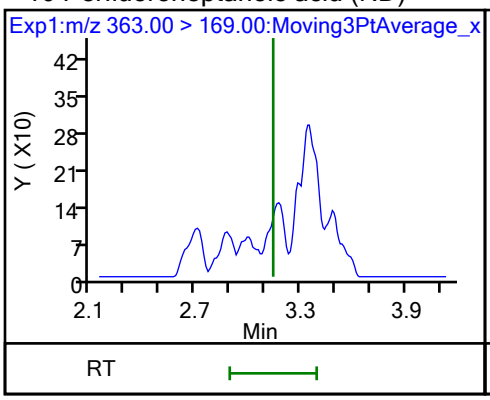
D 9 13C4 PFHpA



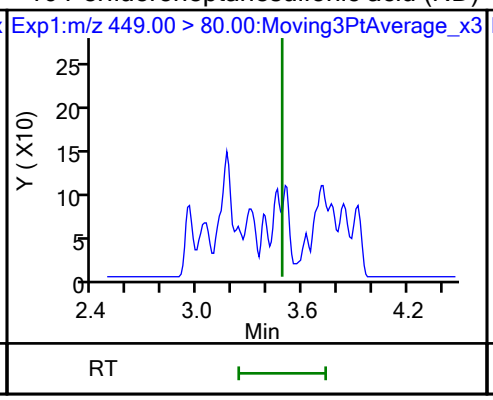
10 Perfluoroheptanoic acid (ND)



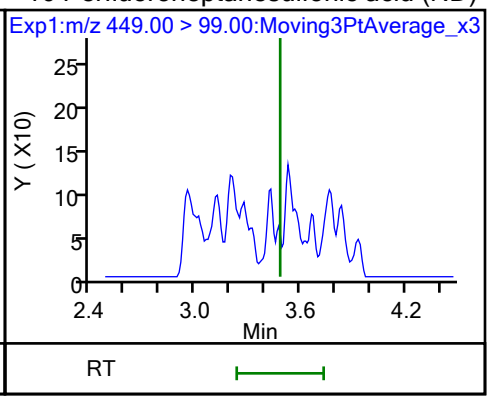
10 Perfluoroheptanoic acid (ND)



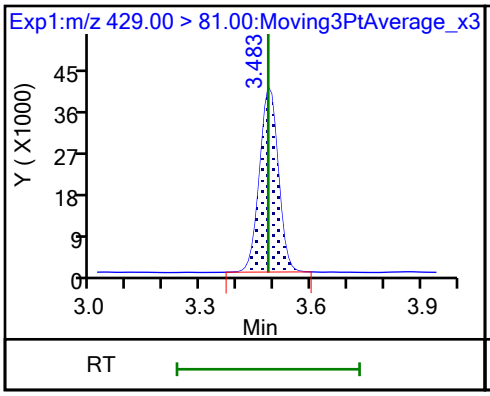
16 Perfluoroheptanesulfonic acid (ND)



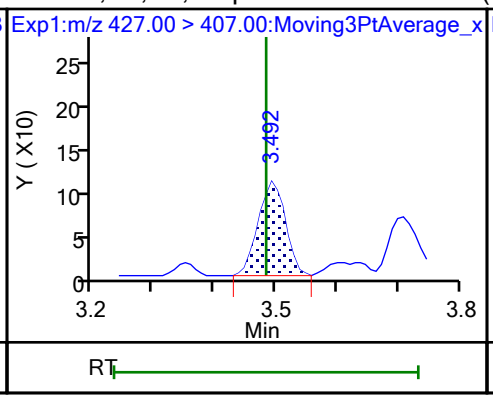
16 Perfluoroheptanesulfonic acid (ND)



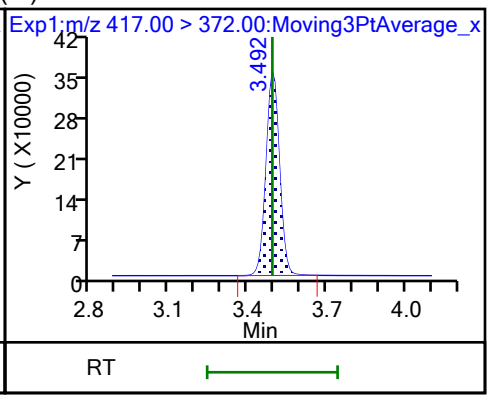
D 12 M2-6:2 FTS



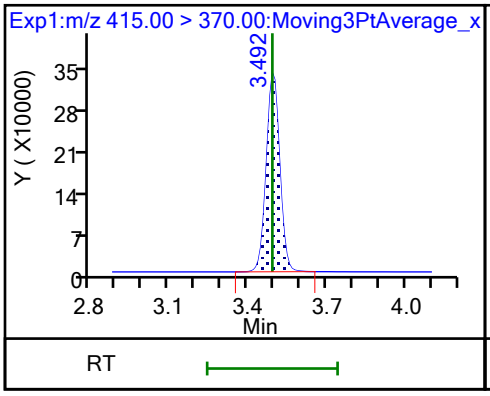
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



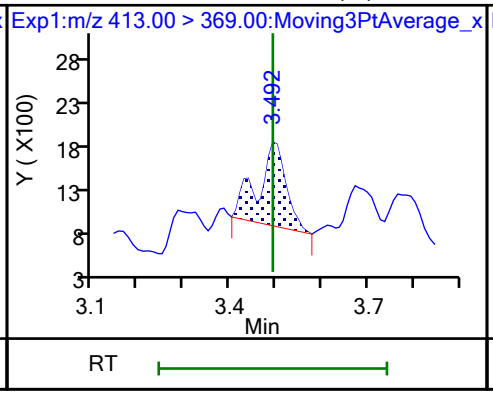
14 13C4 PFOA



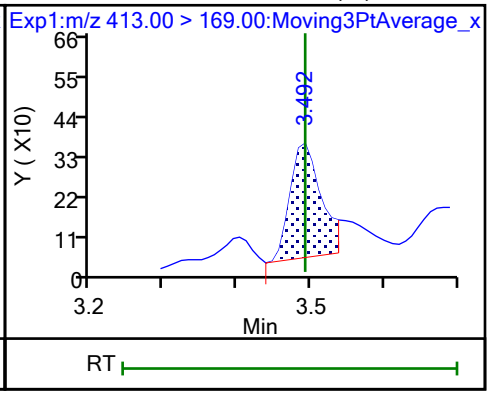
* 62 13C2 PFOA



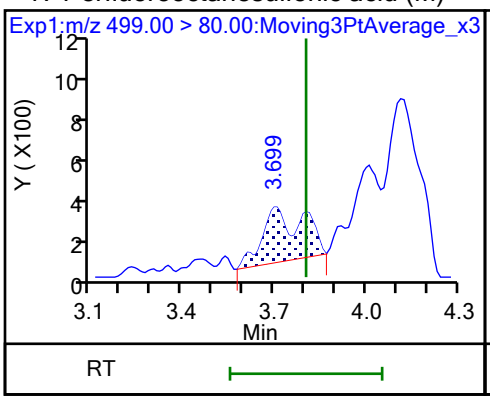
15 Perfluorooctanoic acid (M)



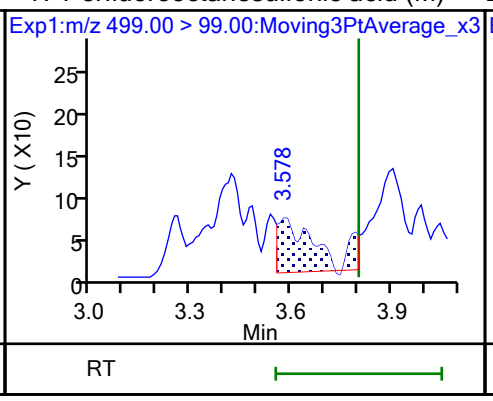
15 Perfluorooctanoic acid (M)



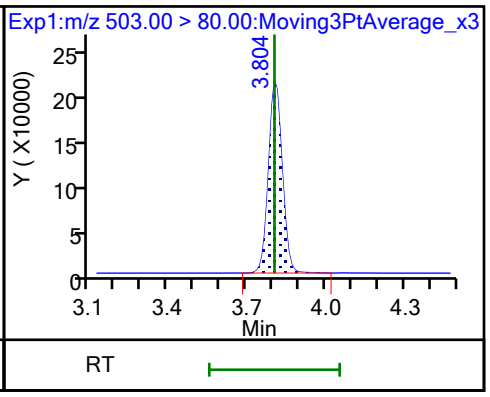
17 Perfluorooctanesulfonic acid (M)



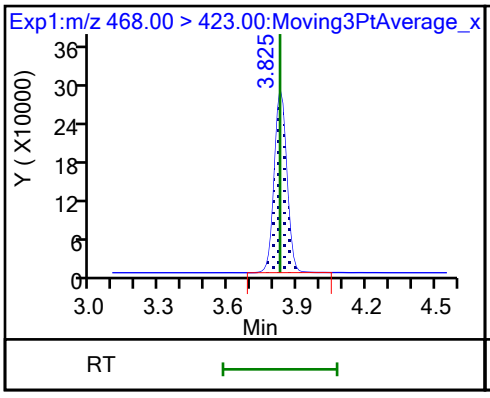
17 Perfluorooctanesulfonic acid (M)



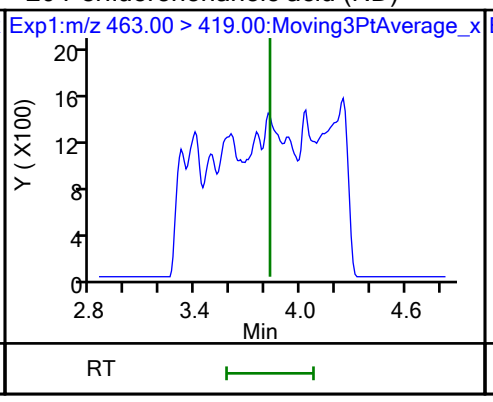
D 18 13C4 PFOS



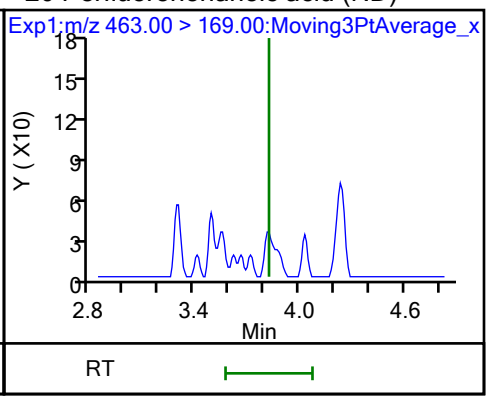
D 19 13C5 PFNA



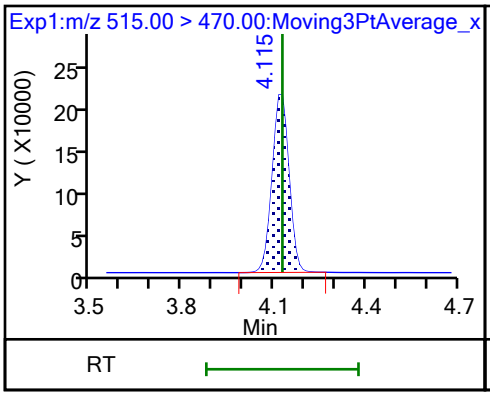
20 Perfluorononanoic acid (ND)



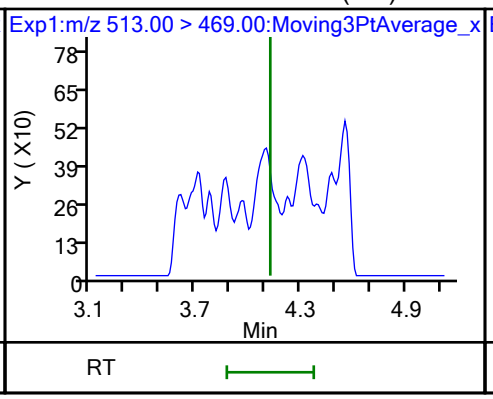
20 Perfluorononanoic acid (ND)



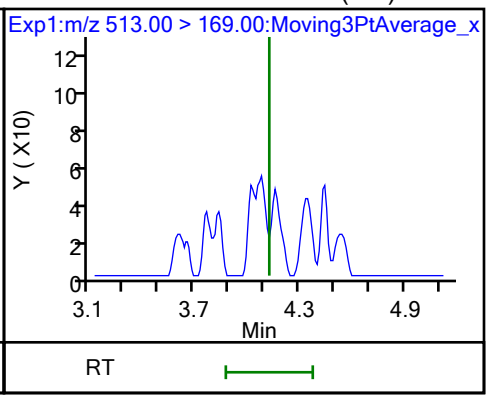
D 23 13C2 PFDA



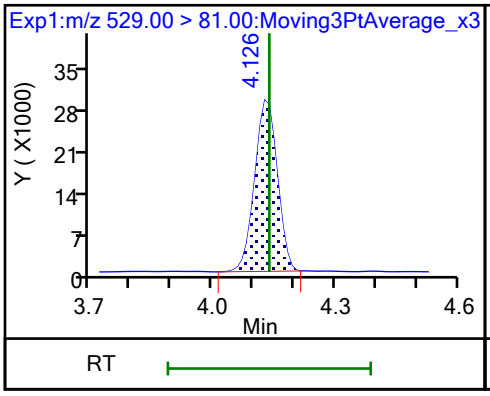
24 Perfluorodecanoic acid (ND)



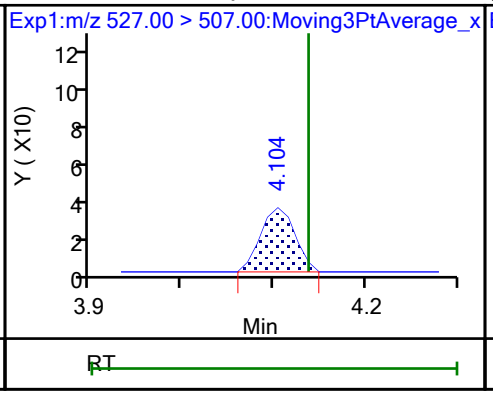
24 Perfluorodecanoic acid (ND)



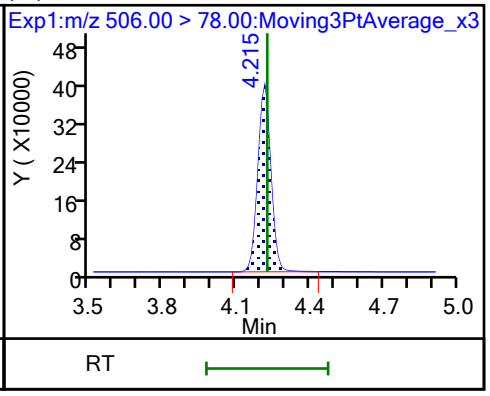
D 26 M2-8:2 FTS



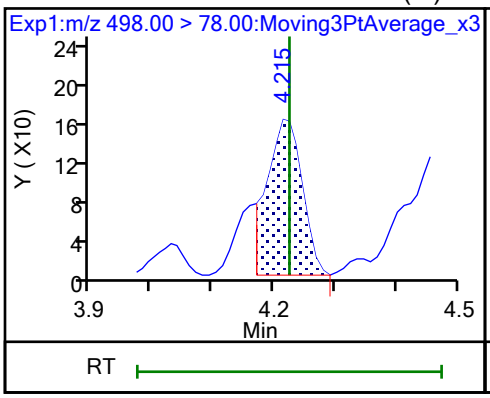
25 1H,1H,2H,2H-perfluorodecanesulfo (M)



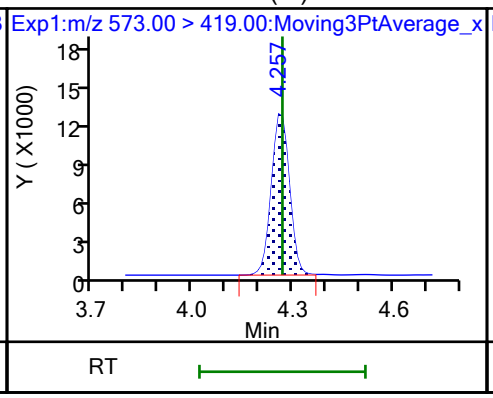
D 21 13C8 FOSA



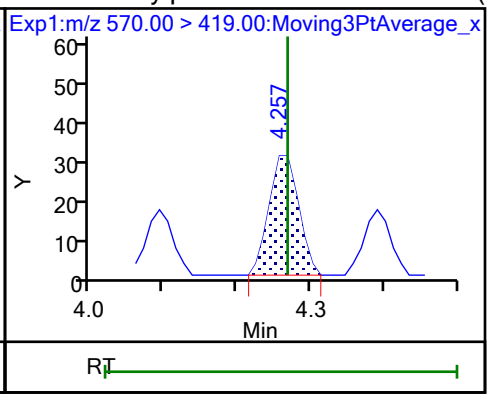
22 Perfluorooctanesulfonamide (M)



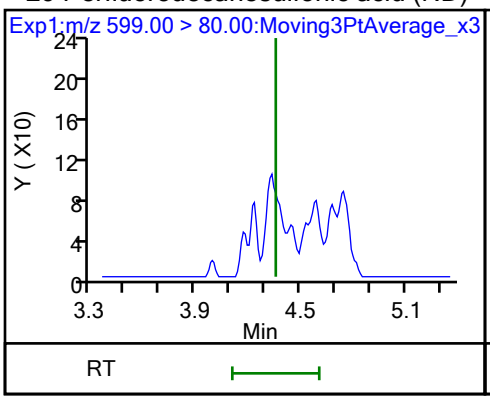
D 27 d3-NMeFOSAA (M)



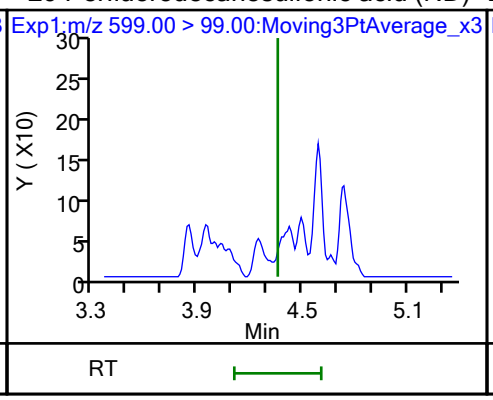
28 N-methylperfluorooctanesulfonami (M)



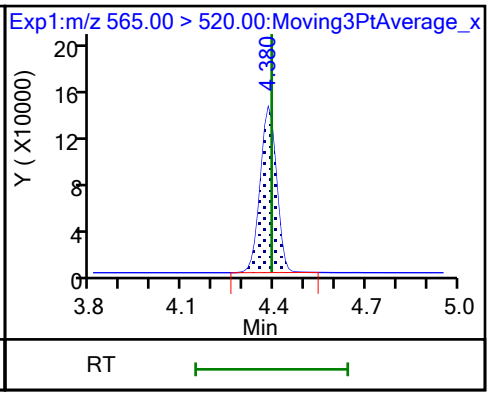
29 Perfluorodecanesulfonic acid (ND)



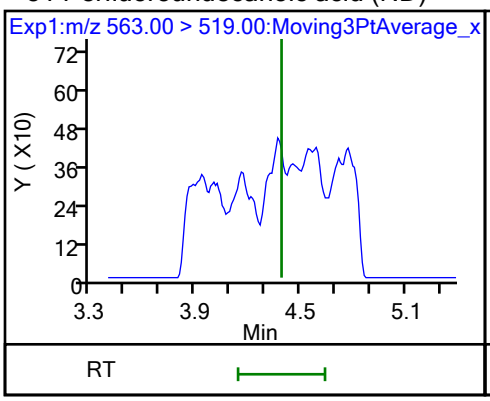
29 Perfluorodecanesulfonic acid (ND)



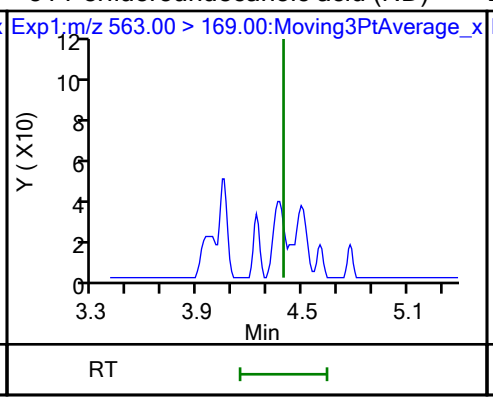
D 30 13C2 PFUnA



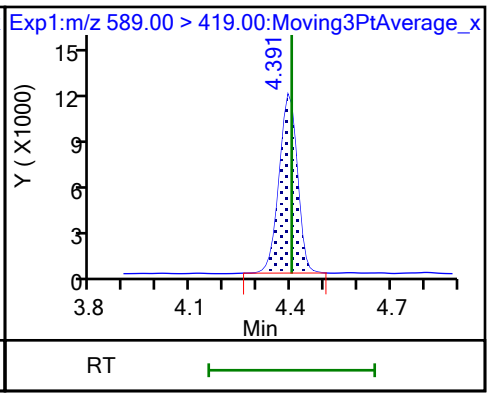
31 Perfluoroundecanoic acid (ND)



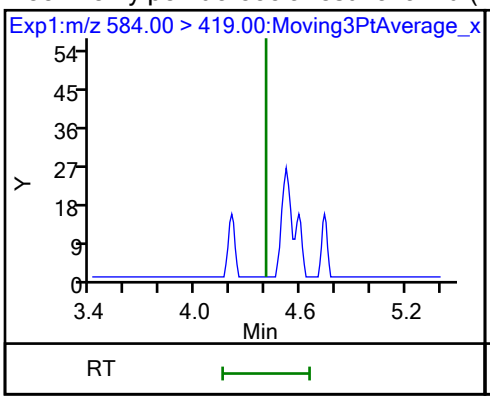
31 Perfluoroundecanoic acid (ND)



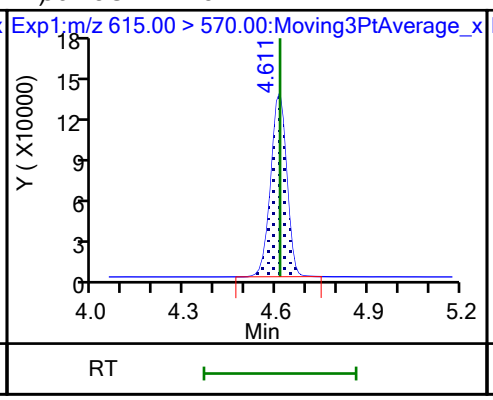
D 32 d5-NEtFOSAA



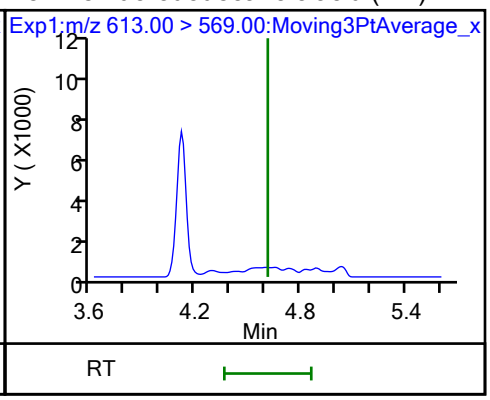
33 N-ethylperfluorooctanesulfonamid (ND)



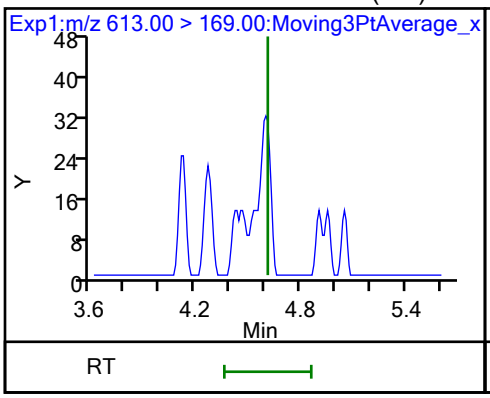
D 36 13C2 PFDoA



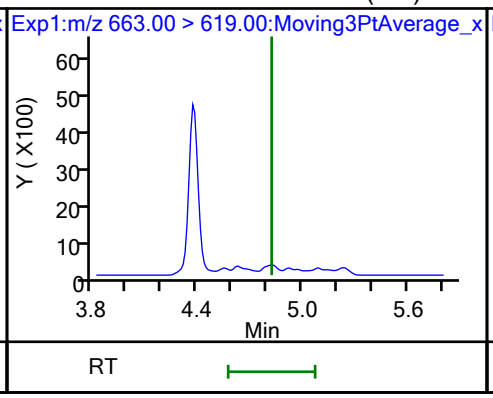
37 Perfluorododecanoic acid (ND)



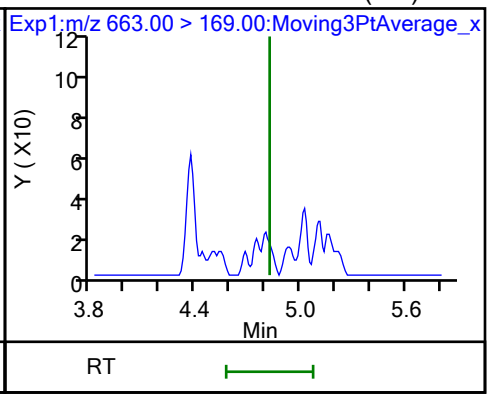
37 Perfluorododecanoic acid (ND)



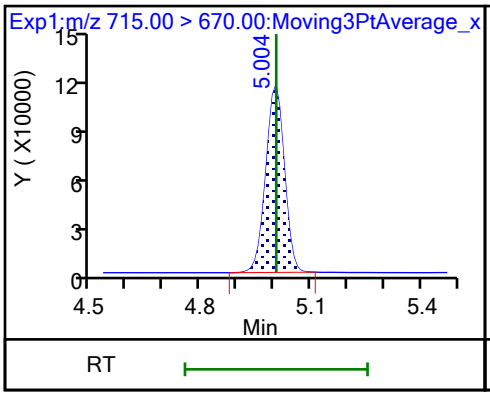
41 Perfluorotridecanoic acid (ND)



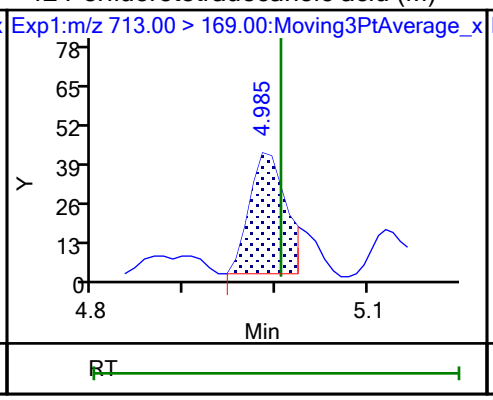
41 Perfluorotridecanoic acid (ND)



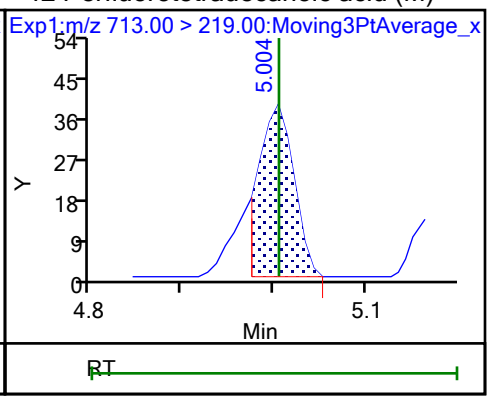
D 43 13C2 PFTeDA



42 Perfluorotetradecanoic acid (M)



42 Perfluorotetradecanoic acid (M)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

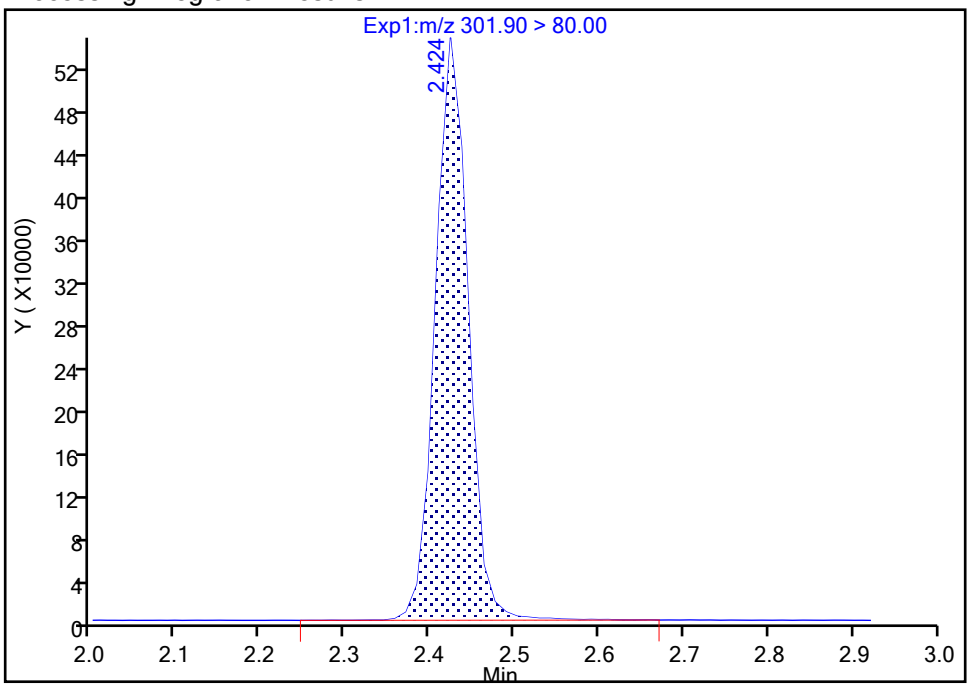
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B09.d				
Injection Date:	03-Mar-2021 20:04:28	Instrument ID:	LC812		
Lims ID:	480-181441-A-1-A	Lab Sample ID:	200-181441-1		
Client ID:	MW-6D-022221				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

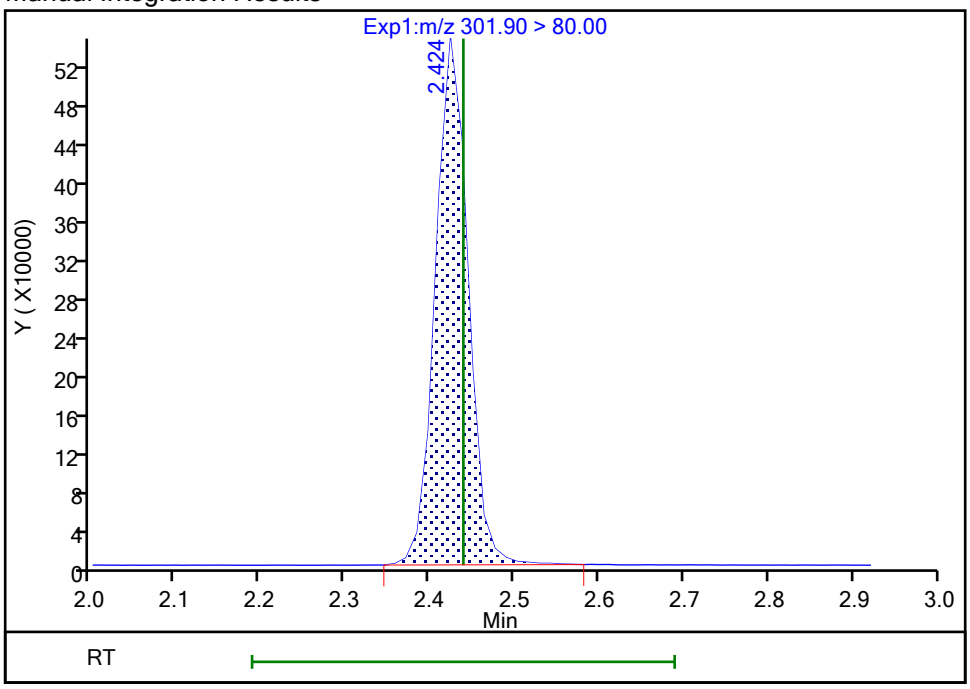
Processing Integration Results

RT: 2.42
Area: 1456692
Amount: 1.187619
Amount Units: ng/ml



Manual Integration Results

RT: 2.42
Area: 1450647
Amount: 1.182690
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:02:25

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

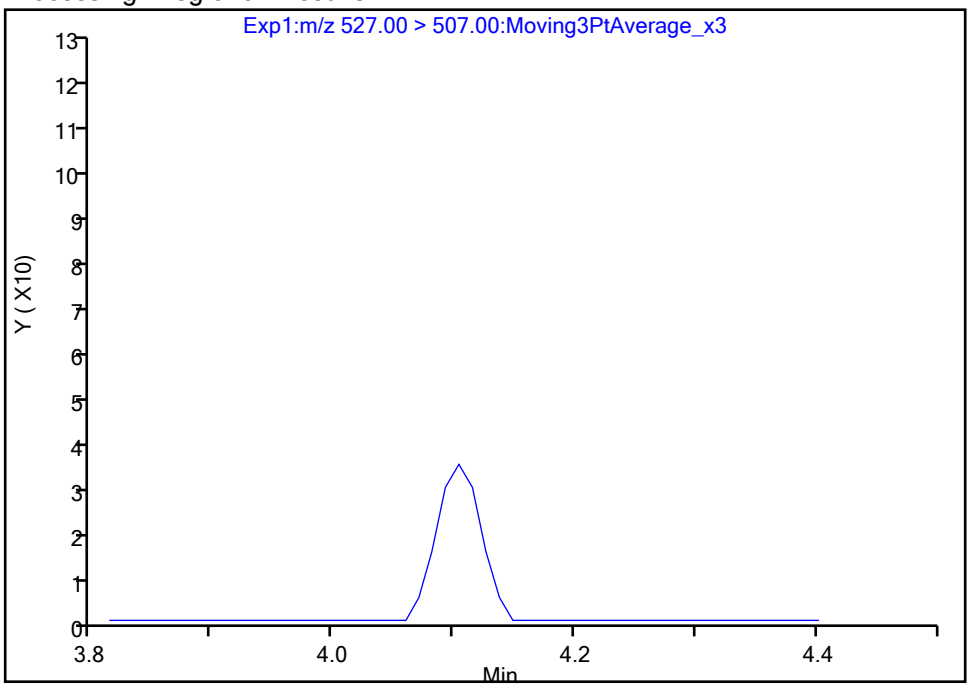
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B09.d				
Injection Date:	03-Mar-2021 20:04:28	Instrument ID:	LC812		
Lims ID:	480-181441-A-1-A	Lab Sample ID:	200-181441-1		
Client ID:	MW-6D-022221				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

25 1H,1H,2H,2H-perfluorodecanesulfo, CAS: 39108-34-4

Signal: 1

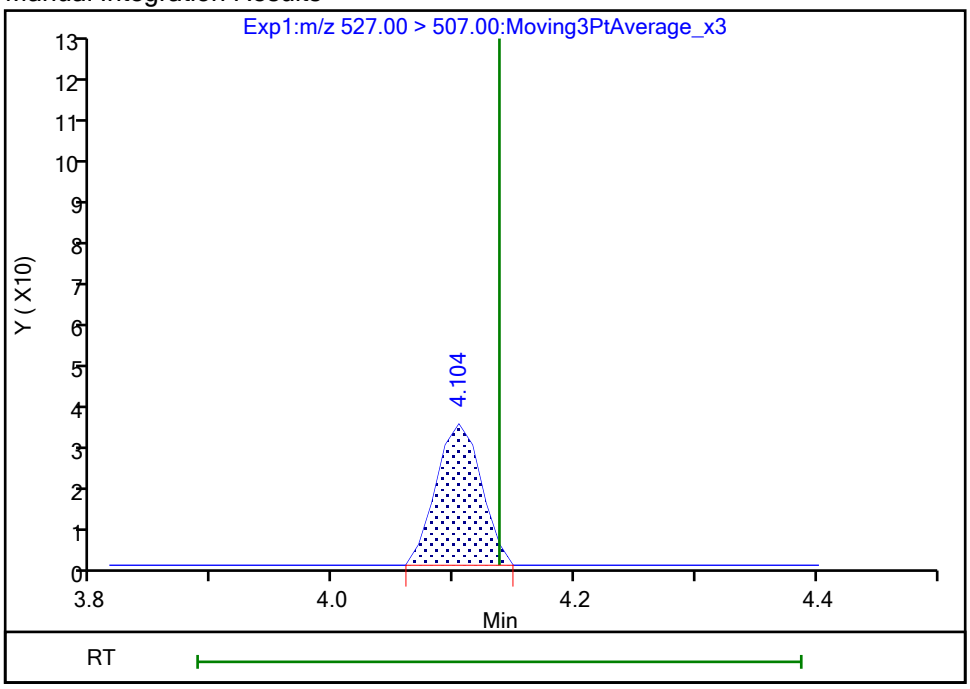
Not Detected
Expected RT: 4.14

Processing Integration Results



Manual Integration Results

RT: 4.10
Area: 88
Amount: 0.001372
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:04:34
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

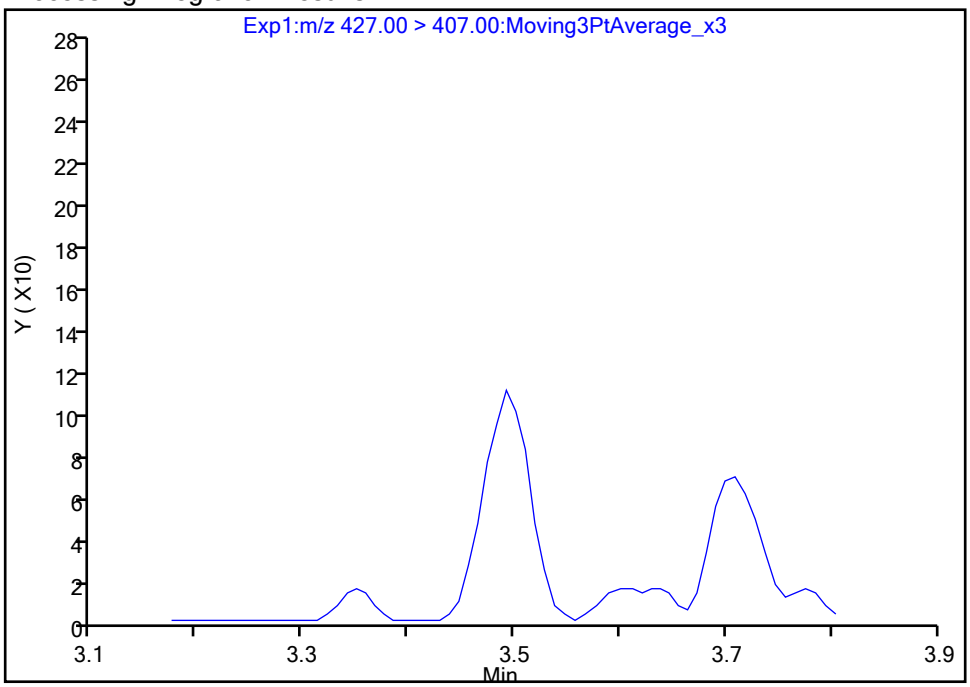
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B09.d				
Injection Date:	03-Mar-2021 20:04:28	Instrument ID:	LC812		
Lims ID:	480-181441-A-1-A	Lab Sample ID:	200-181441-1		
Client ID:	MW-6D-022221				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

Signal: 1

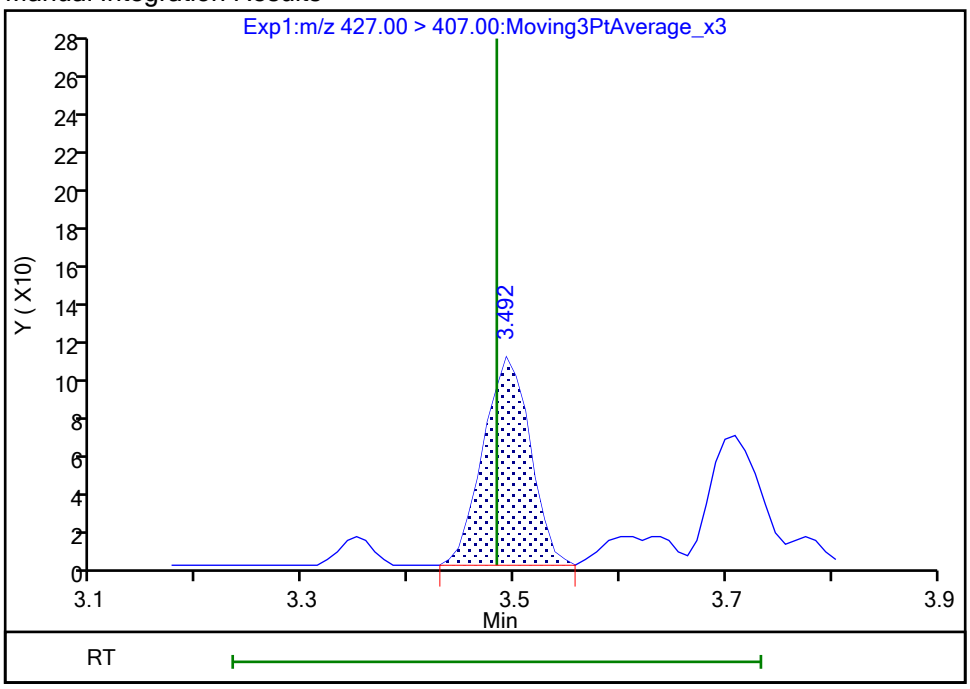
Not Detected
Expected RT: 3.48

Processing Integration Results



Manual Integration Results

RT: 3.49
Area: 336
Amount: 0.002531
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:03:25
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

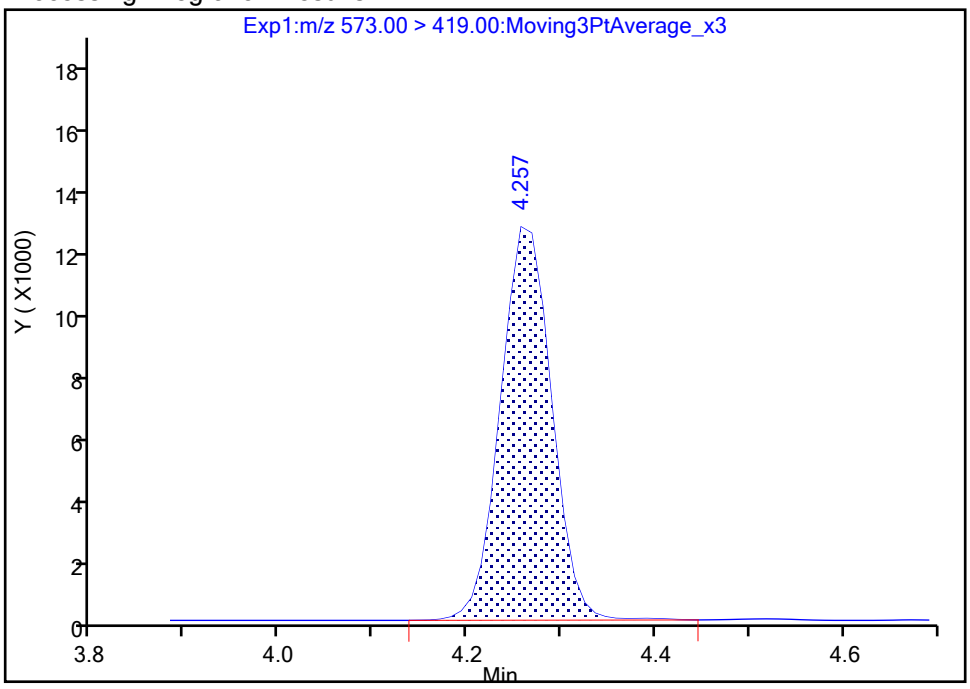
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Injection Date:	03-Mar-2021 20:04:28	Instrument ID:	LC812		
Lims ID:	480-181441-A-1-A	Lab Sample ID:	200-181441-1		
Client ID:	MW-6D-022221				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

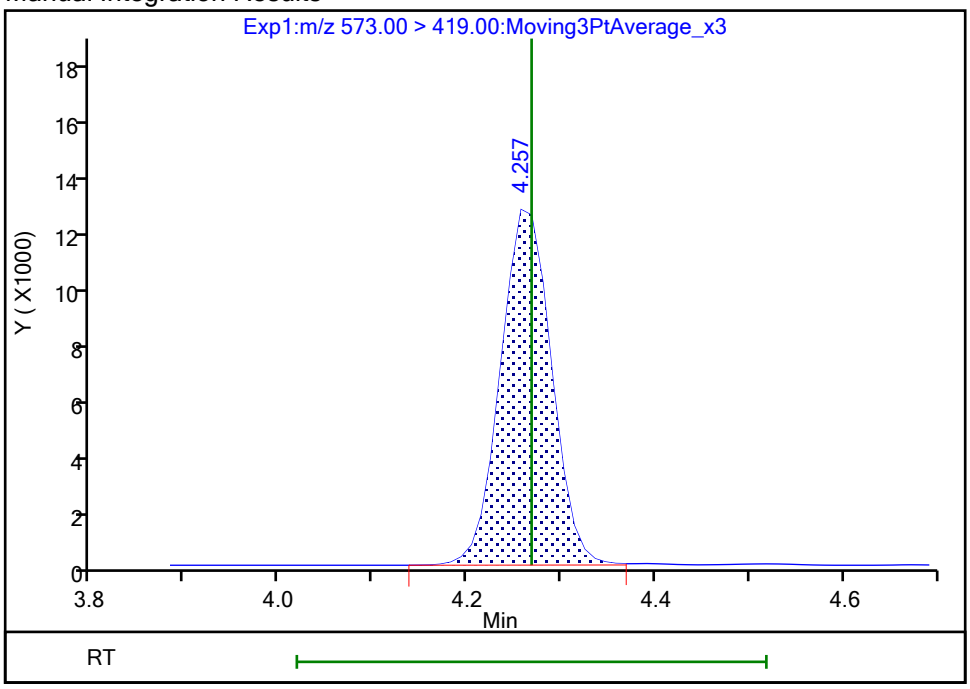
Processing Integration Results

RT: 4.26
Area: 47888
Amount: 0.824073
Amount Units: ng/ml



Manual Integration Results

RT: 4.26
Area: 47758
Amount: 0.821836
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:02:30

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

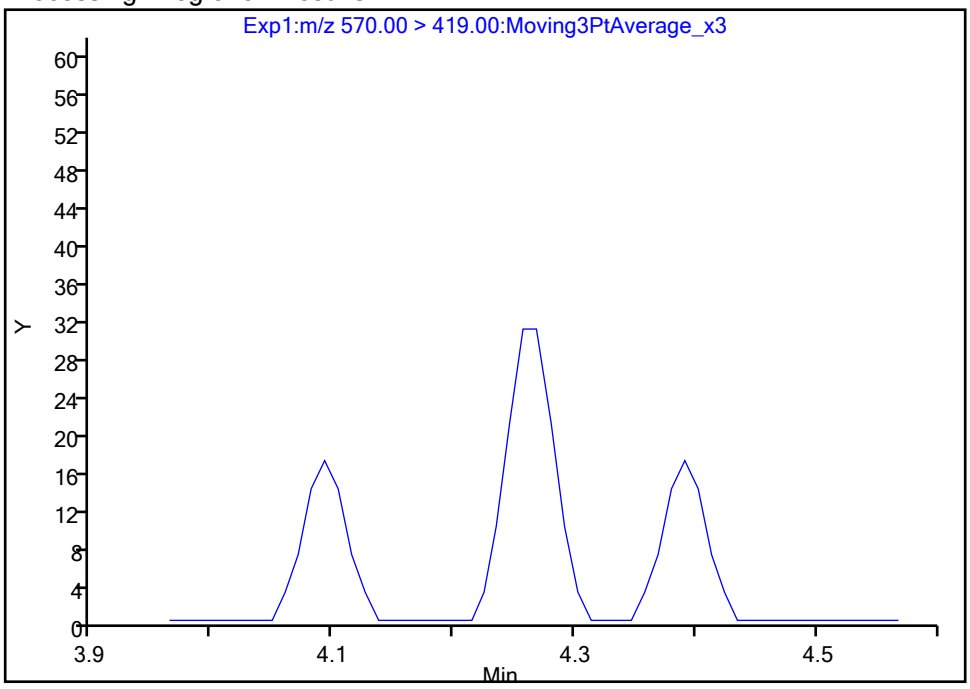
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Injection Date:	03-Mar-2021 20:04:28	Instrument ID:	LC812		
Lims ID:	480-181441-A-1-A	Lab Sample ID:	200-181441-1		
Client ID:	MW-6D-022221				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

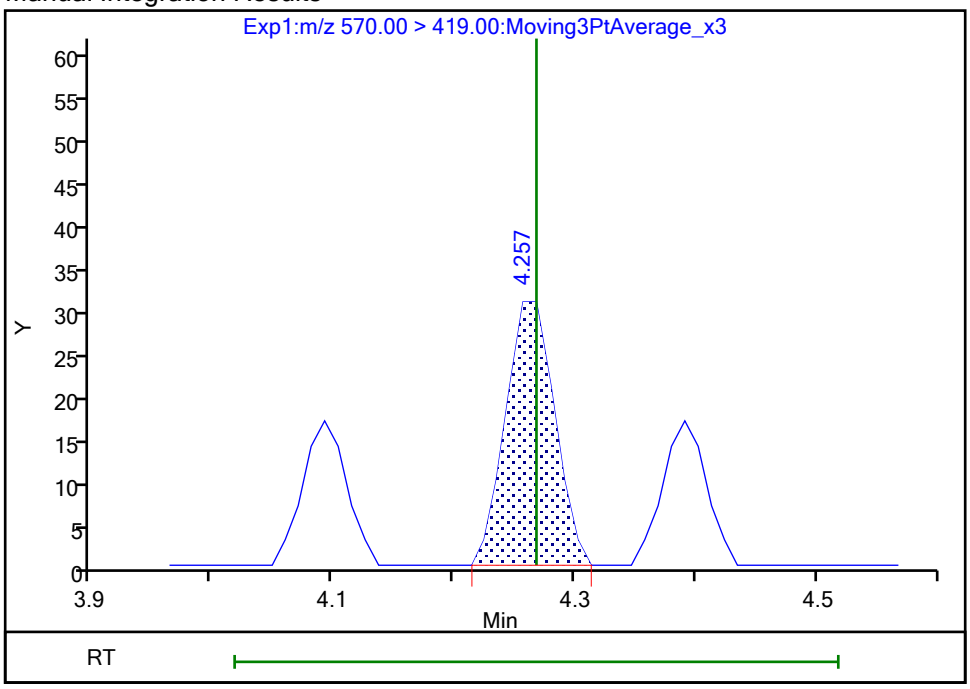
Not Detected
Expected RT: 4.27

Processing Integration Results



Manual Integration Results

RT: 4.26
Area: 87
Amount: 0.002569
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:04:46
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

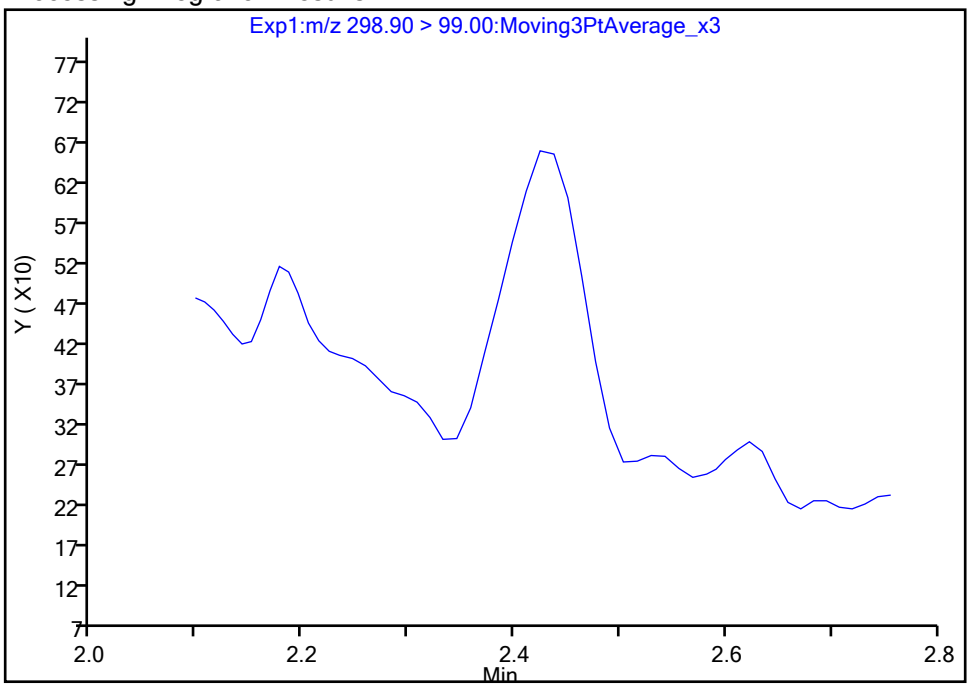
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Injection Date:	03-Mar-2021 20:04:28	Instrument ID:	LC812		
Lims ID:	480-181441-A-1-A	Lab Sample ID:	200-181441-1		
Client ID:	MW-6D-022221				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

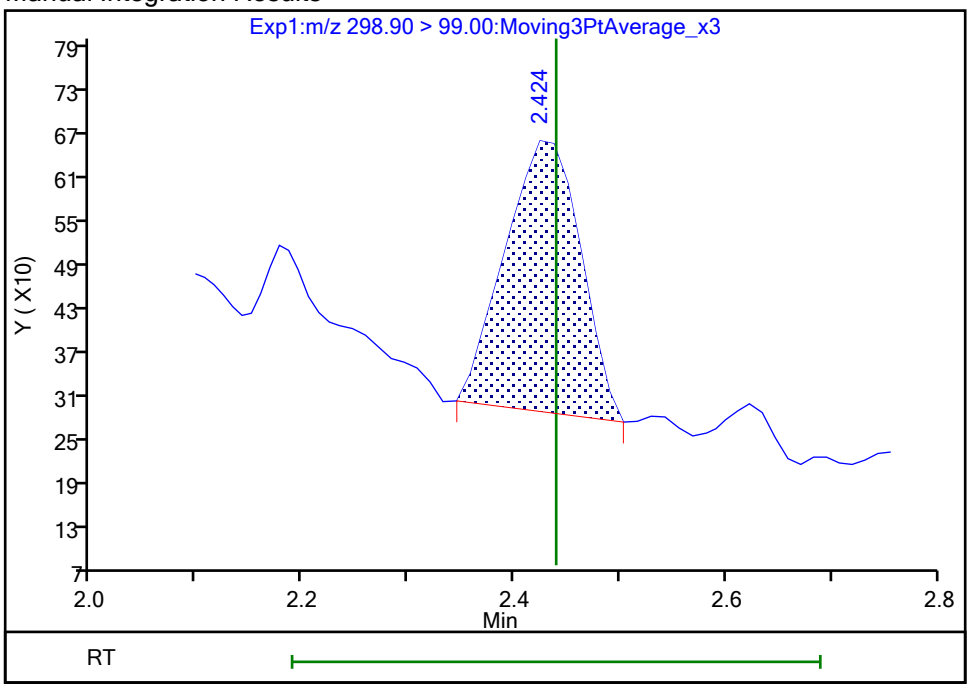
Not Detected
Expected RT: 2.44

Processing Integration Results



Manual Integration Results

RT: 2.42
Area: 1844
Amount: 0.001542
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:03:01
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

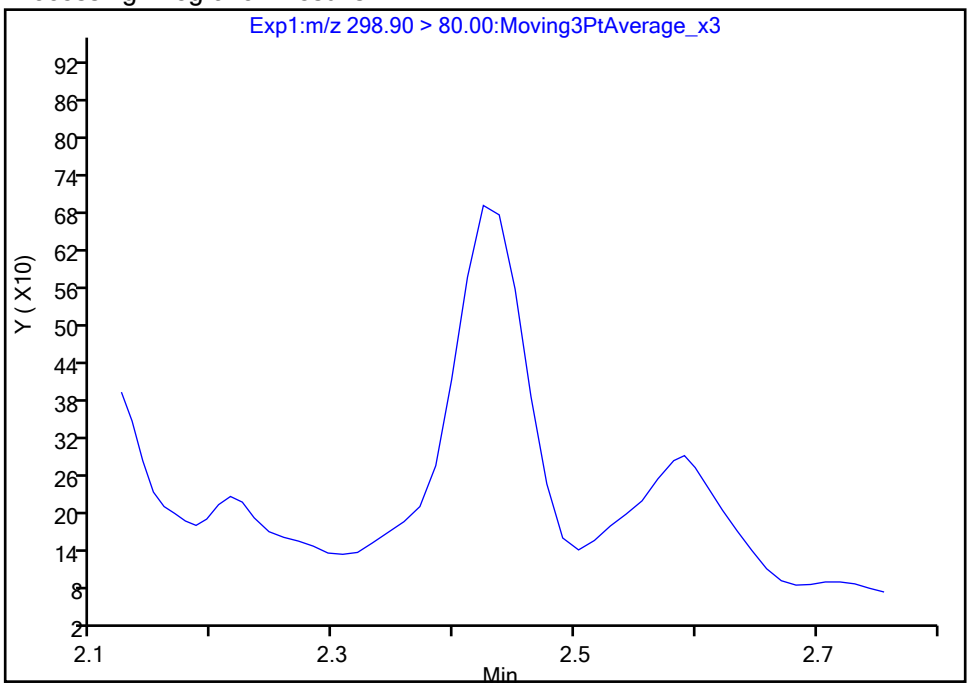
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B09.d				
Injection Date:	03-Mar-2021 20:04:28	Instrument ID:	LC812		
Lims ID:	480-181441-A-1-A	Lab Sample ID:	200-181441-1		
Client ID:	MW-6D-022221				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

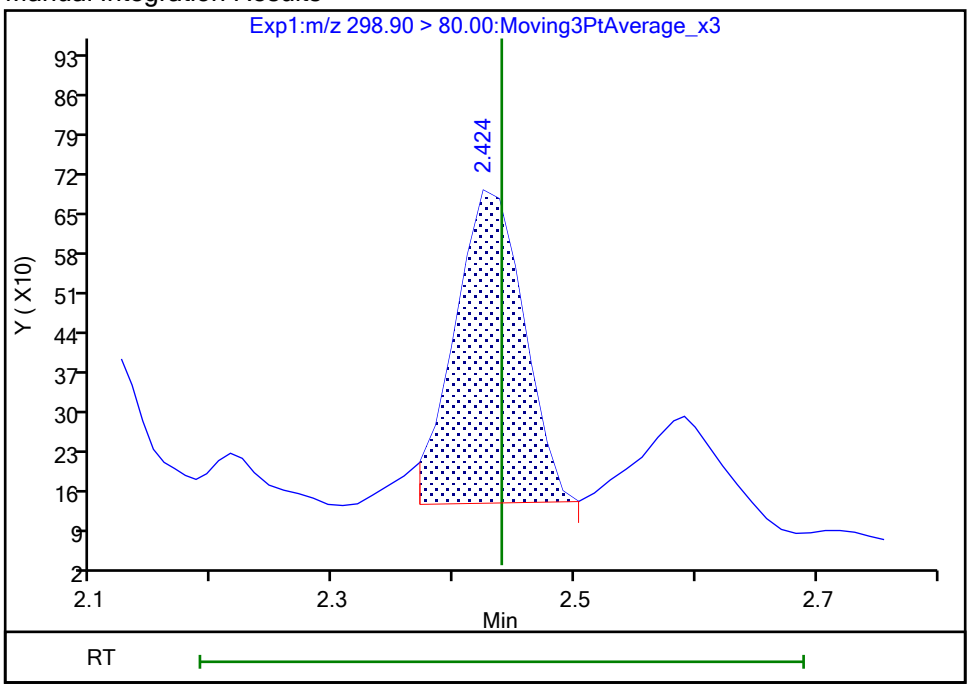
Not Detected
Expected RT: 2.44

Processing Integration Results



Manual Integration Results

RT: 2.42
Area: 2177
Amount: 0.001542
Amount Units: ng/ml



Reviewer: deannd, 04-Mar-2021 09:31:32
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

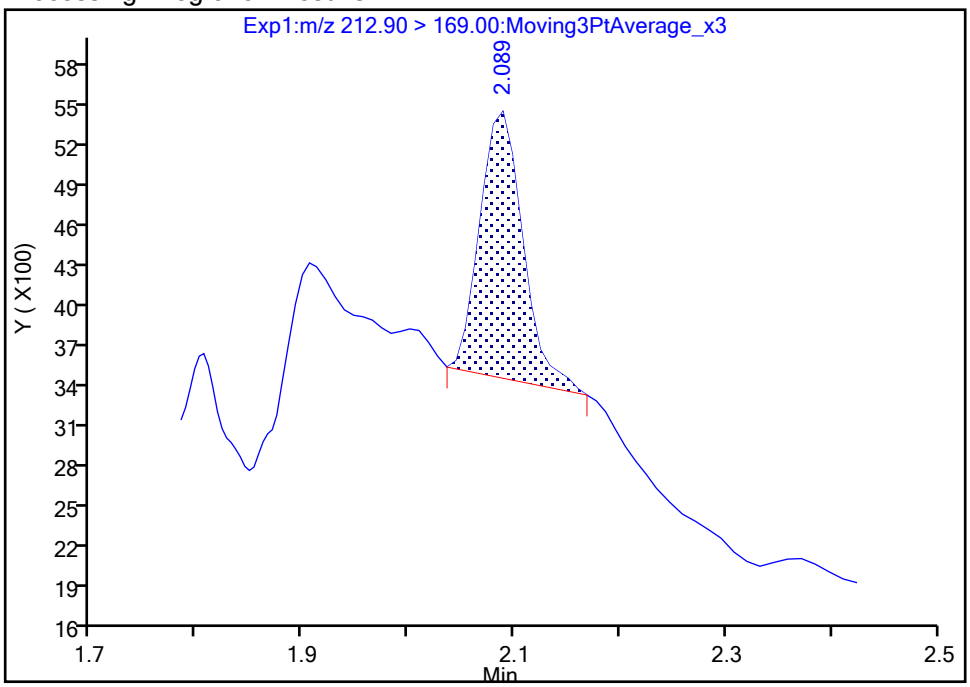
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B09.d				
Injection Date:	03-Mar-2021 20:04:28	Instrument ID:	LC812		
Lims ID:	480-181441-A-1-A	Lab Sample ID:	200-181441-1		
Client ID:	MW-6D-022221				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

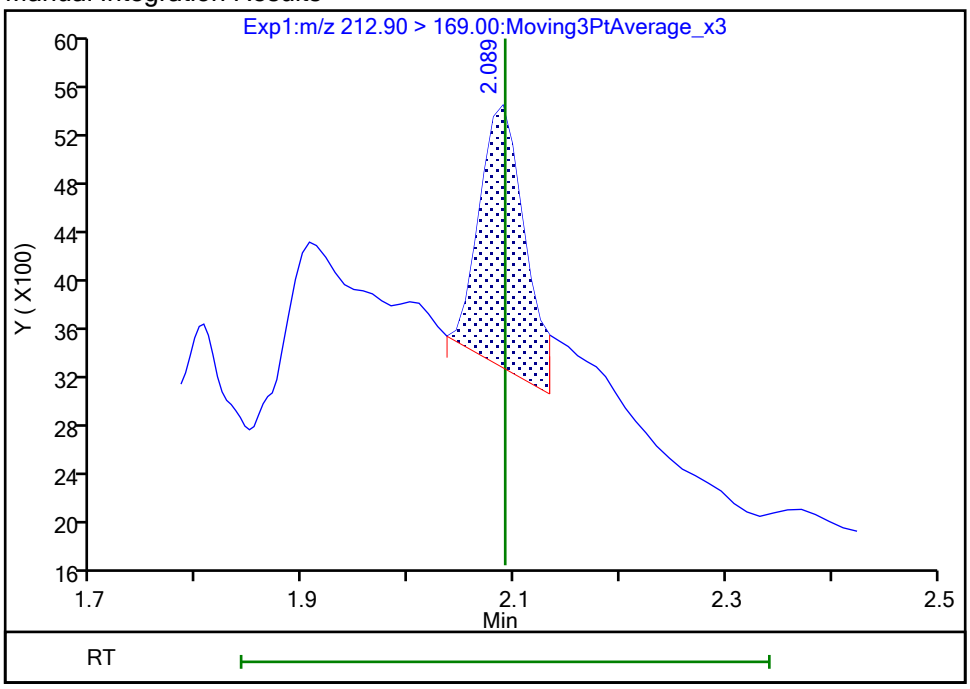
Processing Integration Results

RT: 2.09
Area: 5579
Amount: 0.004868
Amount Units: ng/ml



Manual Integration Results

RT: 2.09
Area: 6335
Amount: 0.005528
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:02:54

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

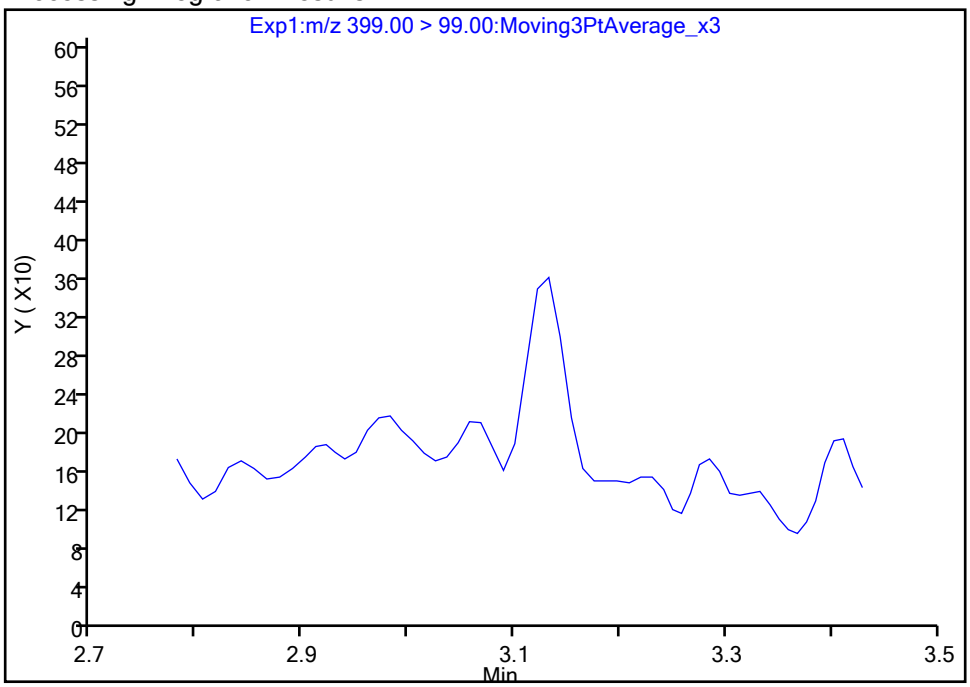
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B09.d				
Injection Date:	03-Mar-2021 20:04:28	Instrument ID:	LC812		
Lims ID:	480-181441-A-1-A	Lab Sample ID:	200-181441-1		
Client ID:	MW-6D-022221				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

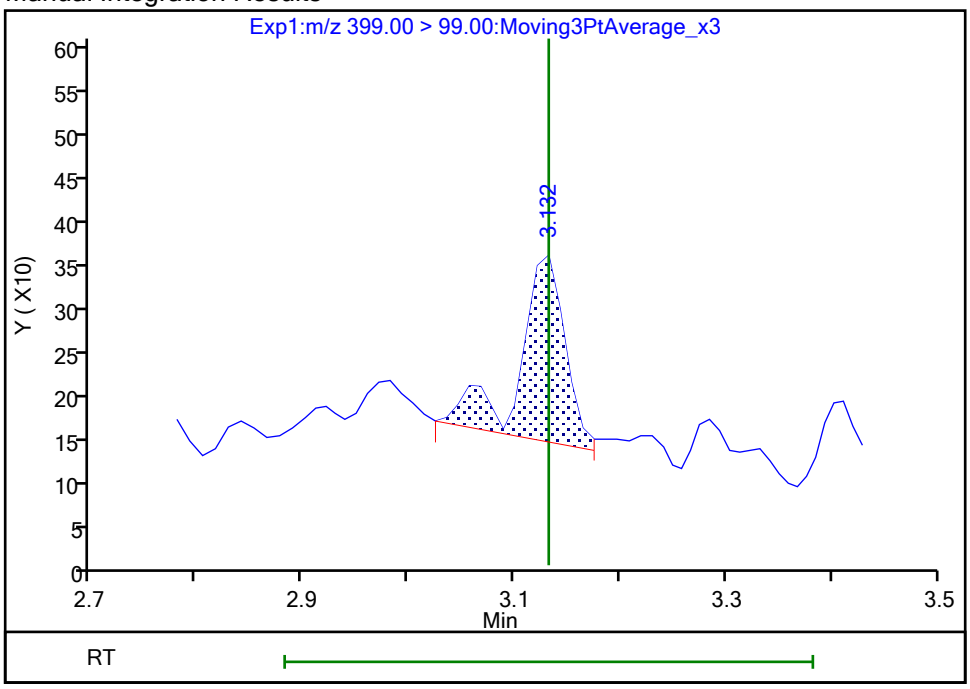
Not Detected
Expected RT: 3.13

Processing Integration Results



Manual Integration Results

RT: 3.13
Area: 638
Amount: 0.004430
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:03:14
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

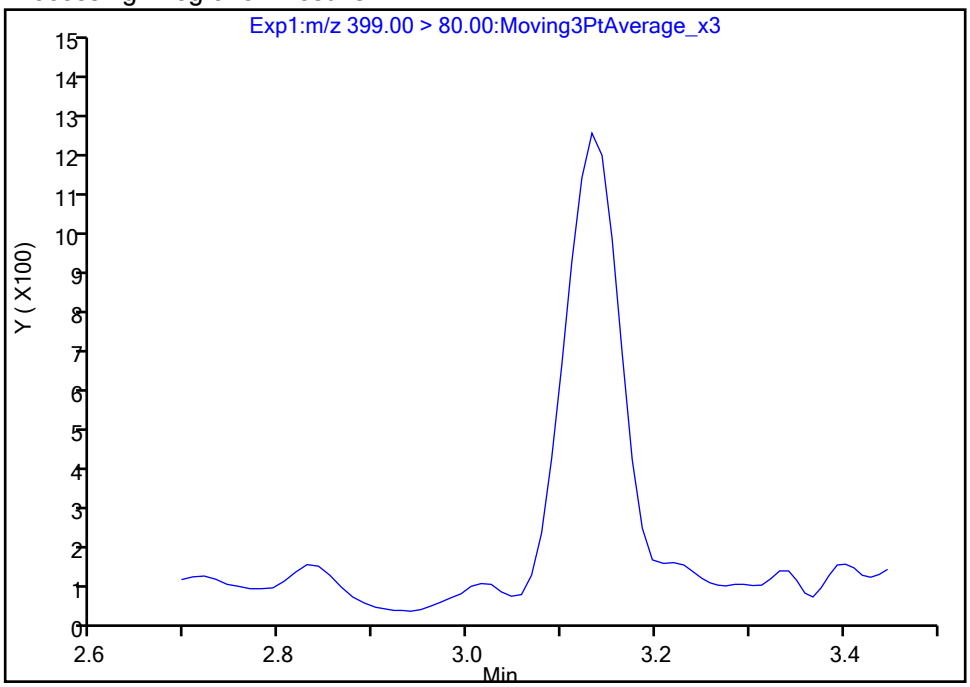
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B09.d				
Injection Date:	03-Mar-2021 20:04:28	Instrument ID:	LC812		
Lims ID:	480-181441-A-1-A	Lab Sample ID:	200-181441-1		
Client ID:	MW-6D-022221				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

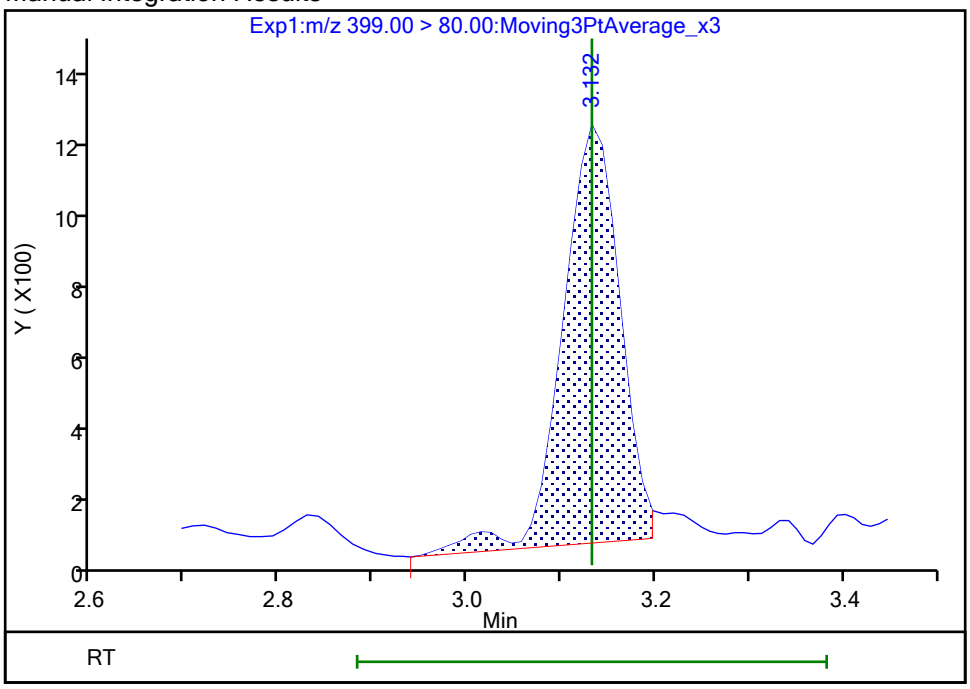
Not Detected
Expected RT: 3.13

Processing Integration Results



Manual Integration Results

RT: 3.13
Area: 4971
Amount: 0.004430
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:03:15
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

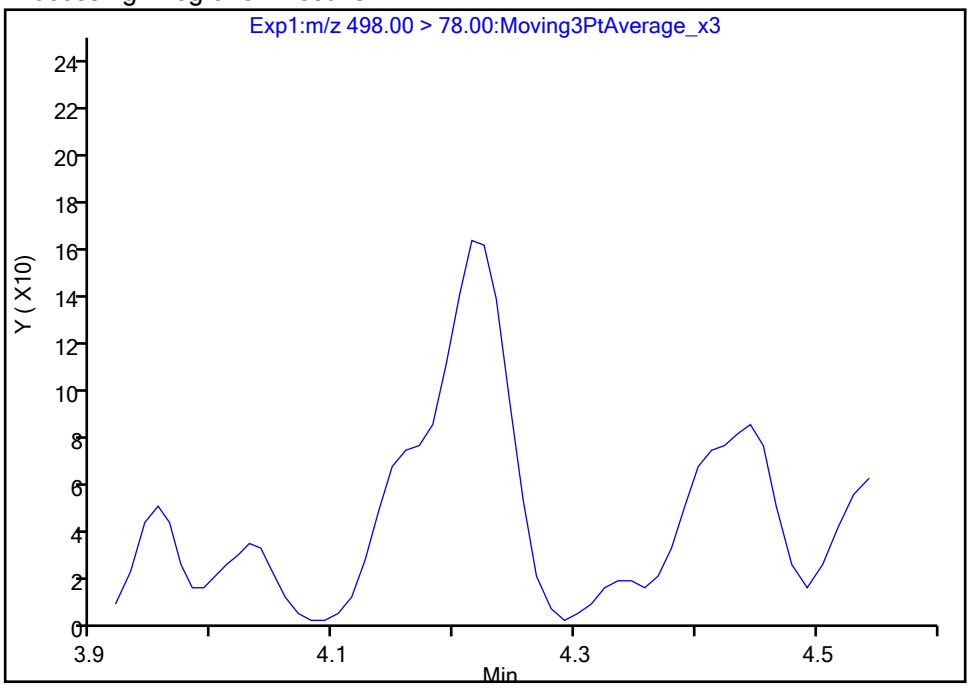
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B09.d				
Injection Date:	03-Mar-2021 20:04:28	Instrument ID:	LC812		
Lims ID:	480-181441-A-1-A	Lab Sample ID:	200-181441-1		
Client ID:	MW-6D-022221				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

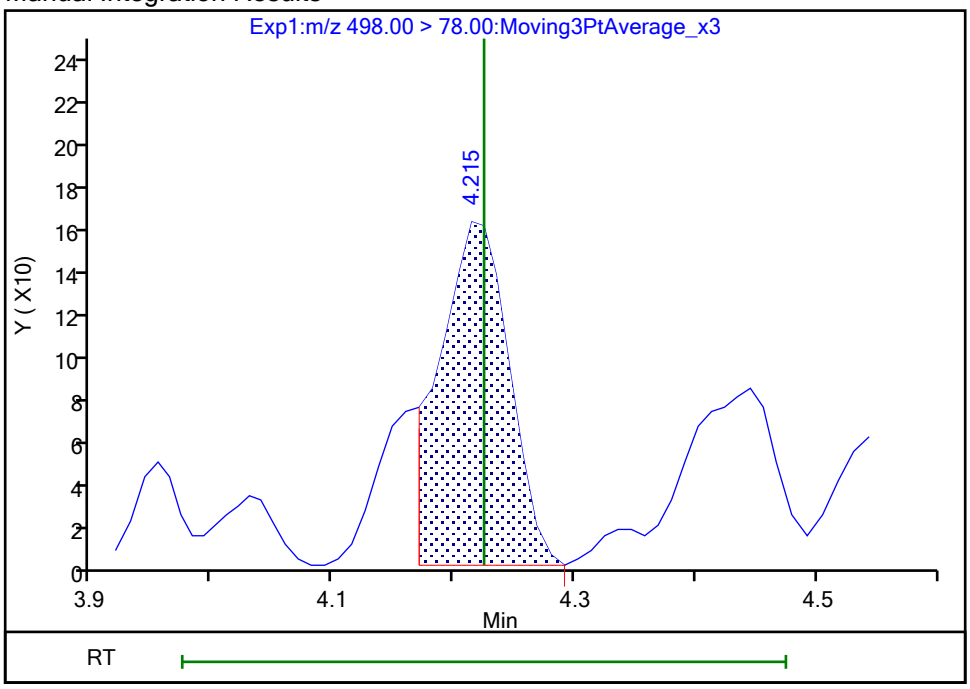
Not Detected
Expected RT: 4.22

Processing Integration Results



Manual Integration Results

RT: 4.21
Area: 642
Amount: 0.000558
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:04:41
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

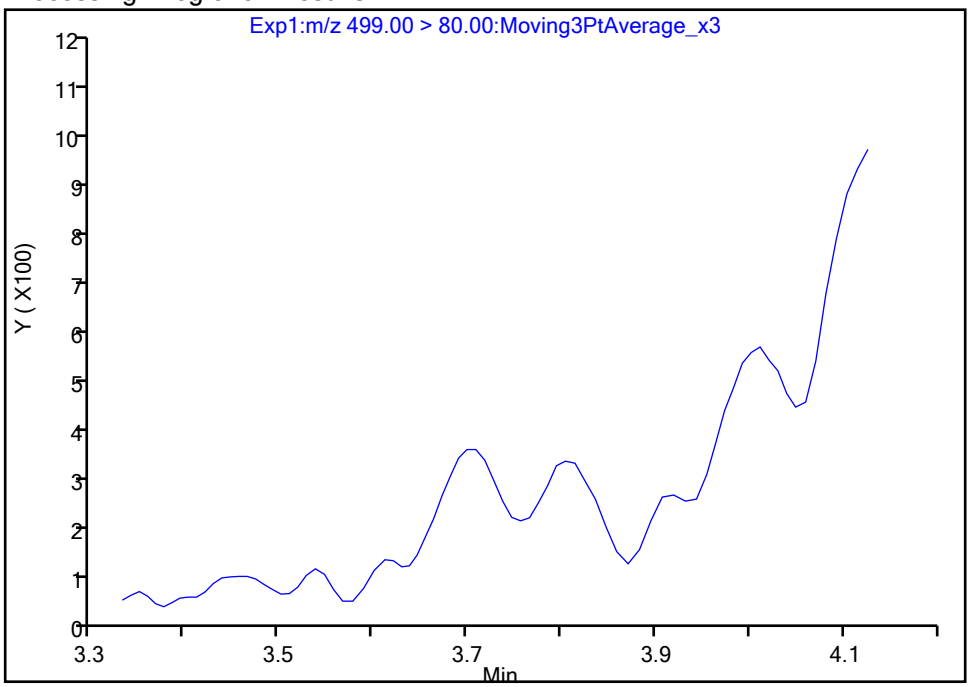
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Injection Date:	03-Mar-2021 20:04:28	Instrument ID:	LC812		
Lims ID:	480-181441-A-1-A	Lab Sample ID:	200-181441-1		
Client ID:	MW-6D-022221				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

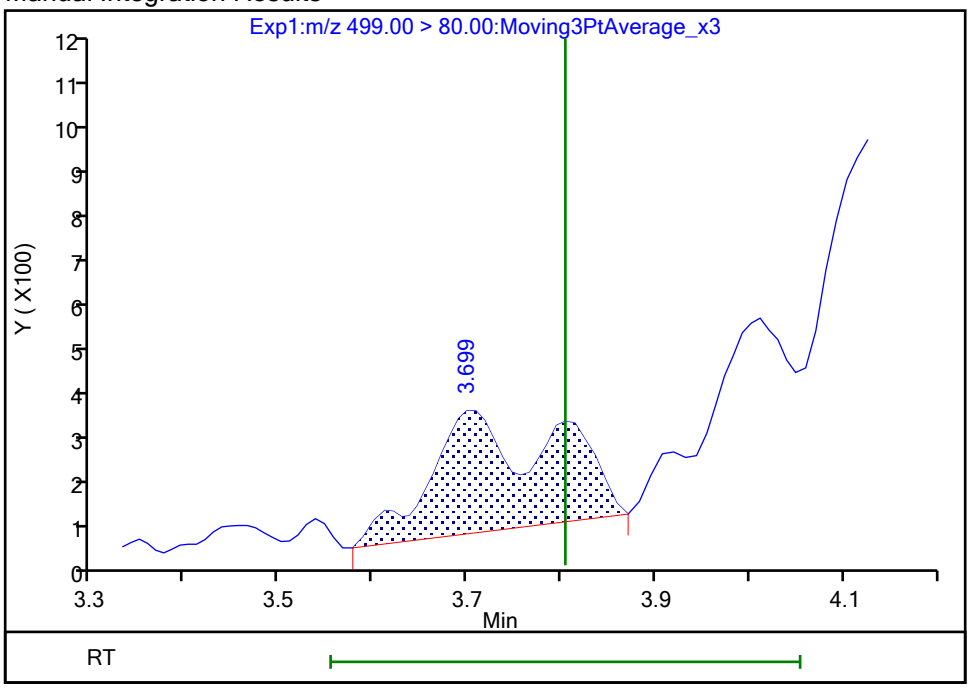
Not Detected
Expected RT: 3.80

Processing Integration Results



Manual Integration Results

RT: 3.70
Area: 2407
Amount: 0.003196
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:03:43
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

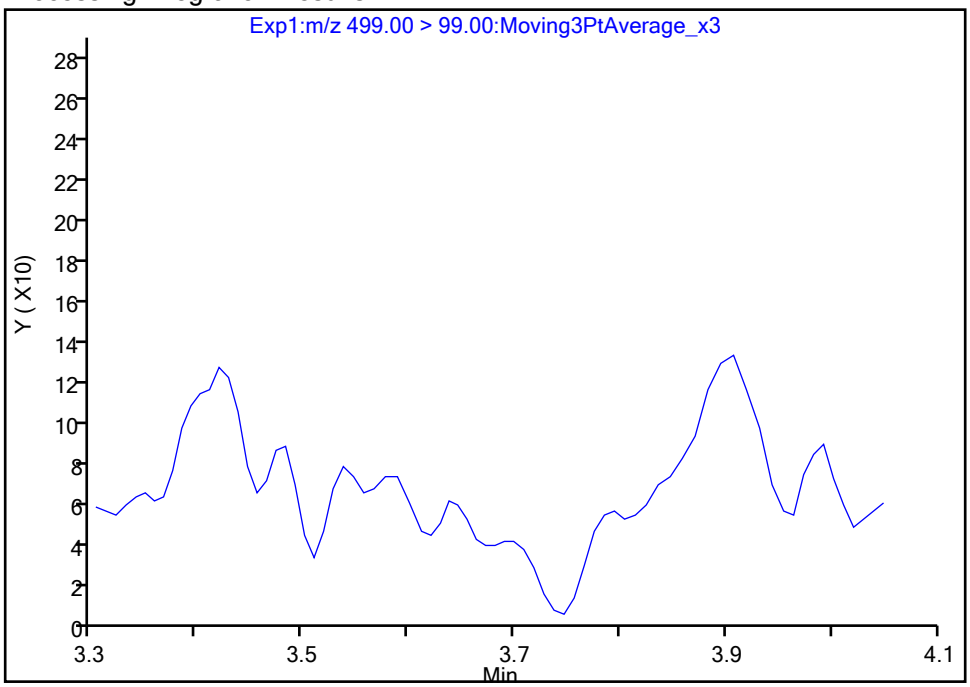
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B09.d				
Injection Date:	03-Mar-2021 20:04:28	Instrument ID:	LC812		
Lims ID:	480-181441-A-1-A	Lab Sample ID:	200-181441-1		
Client ID:	MW-6D-022221				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

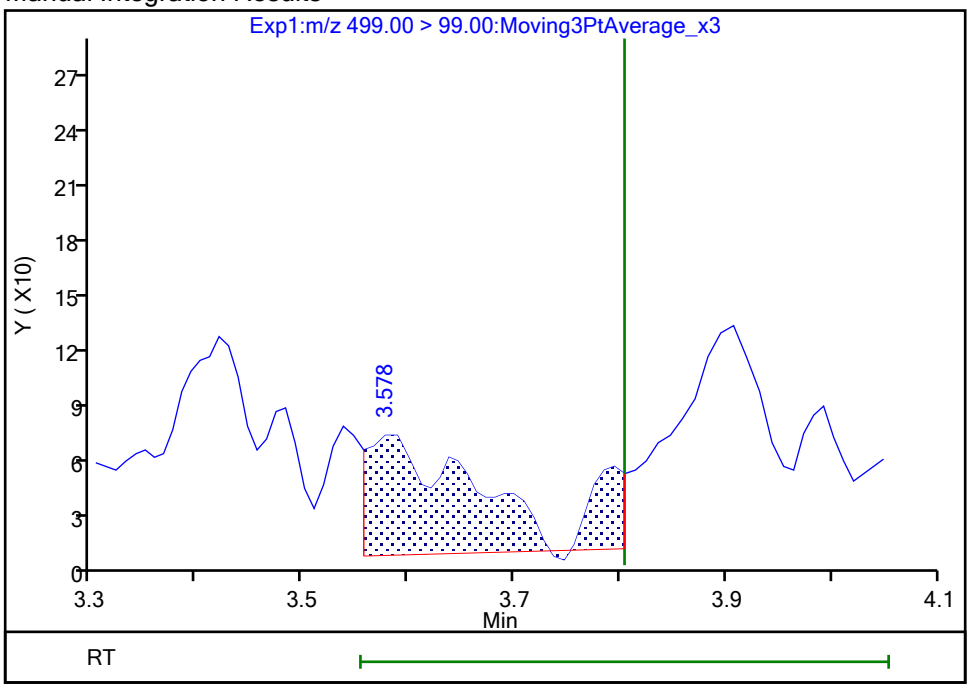
Not Detected
Expected RT: 3.80

Processing Integration Results



Manual Integration Results

RT: 3.58
Area: 520
Amount: 0.003196
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:04:22
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

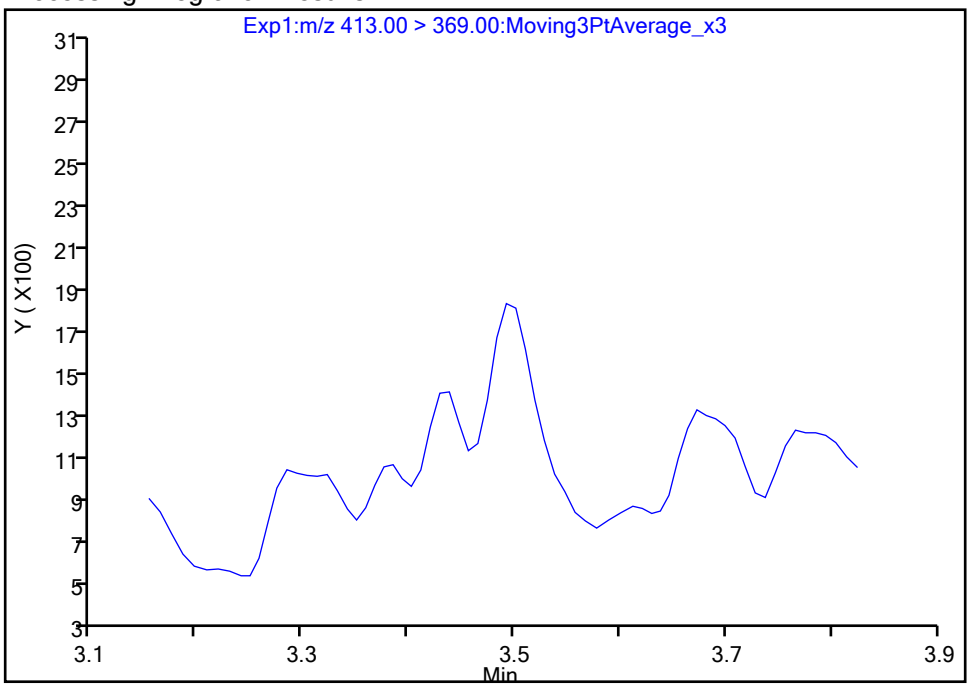
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B09.d				
Injection Date:	03-Mar-2021 20:04:28	Instrument ID:	LC812		
Lims ID:	480-181441-A-1-A	Lab Sample ID:	200-181441-1		
Client ID:	MW-6D-022221				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

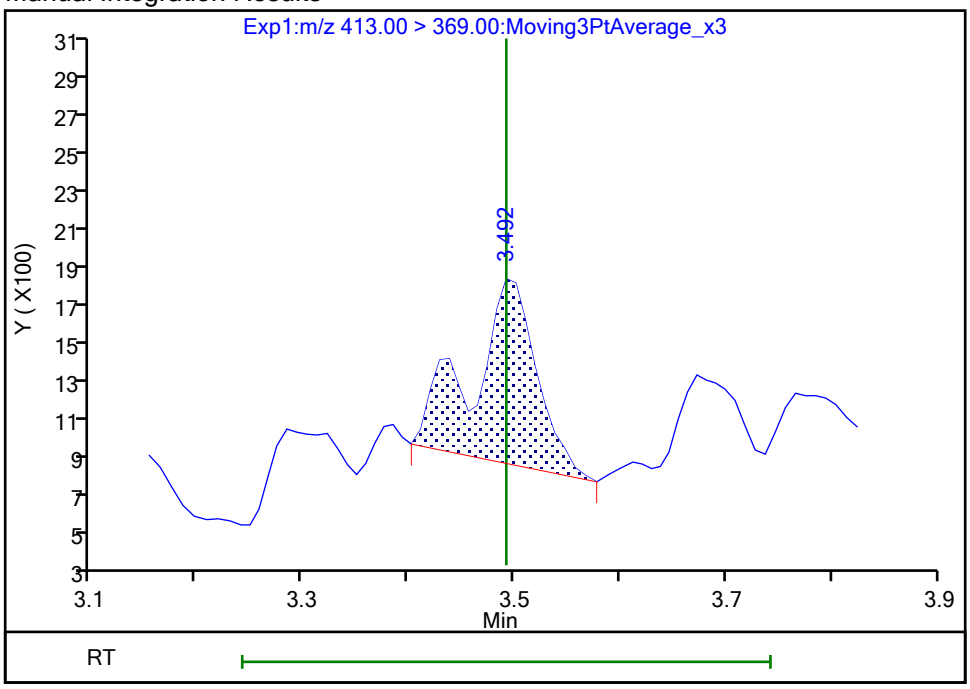
Not Detected
Expected RT: 3.49

Processing Integration Results



Manual Integration Results

RT: 3.49
Area: 3938
Amount: 0.003609
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:03:29
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

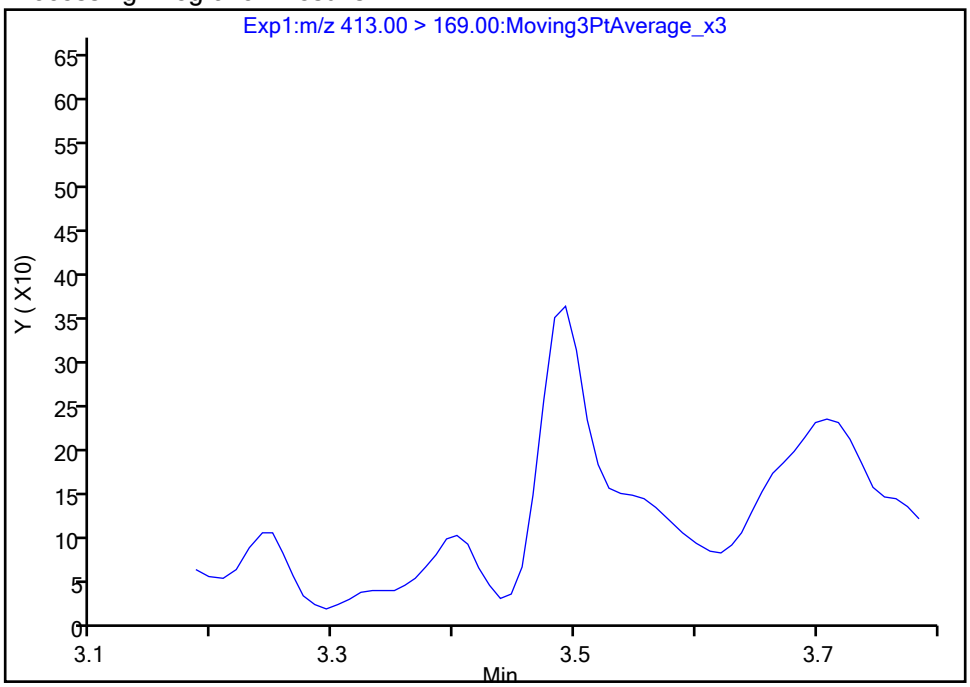
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B09.d				
Injection Date:	03-Mar-2021 20:04:28	Instrument ID:	LC812		
Lims ID:	480-181441-A-1-A	Lab Sample ID:	200-181441-1		
Client ID:	MW-6D-022221				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

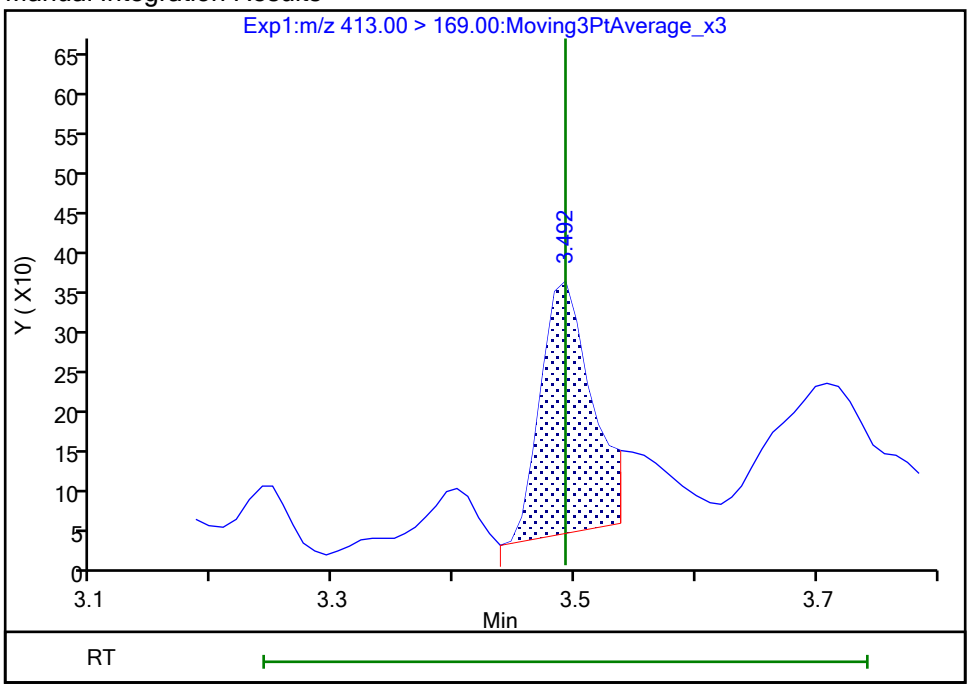
Not Detected
Expected RT: 3.49

Processing Integration Results



Manual Integration Results

RT: 3.49
Area: 929
Amount: 0.003609
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:03:37
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

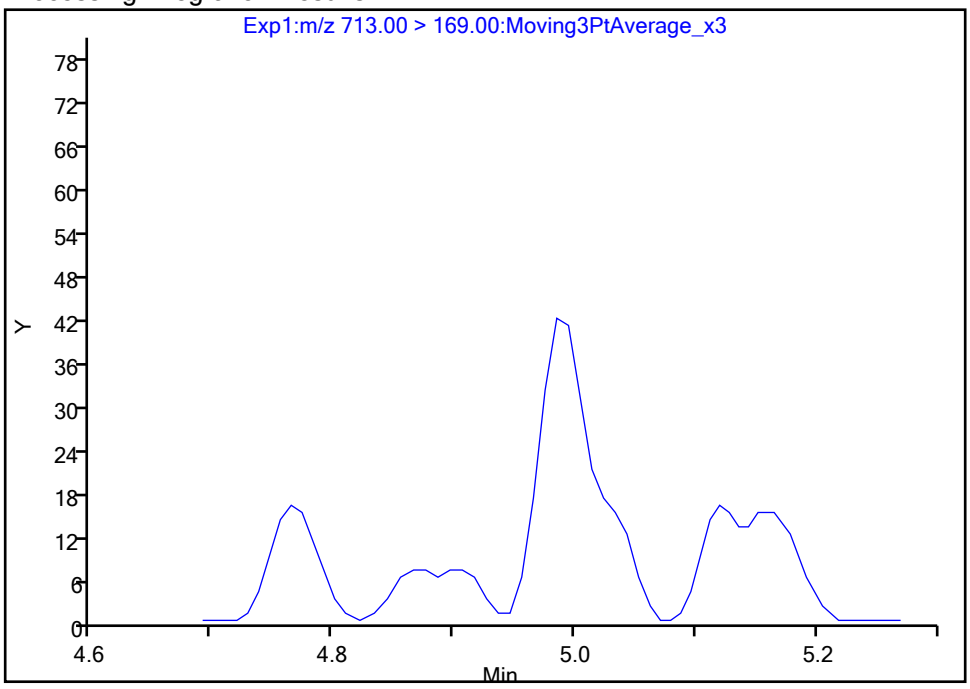
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B09.d				
Injection Date:	03-Mar-2021 20:04:28	Instrument ID:	LC812		
Lims ID:	480-181441-A-1-A	Lab Sample ID:	200-181441-1		
Client ID:	MW-6D-022221				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

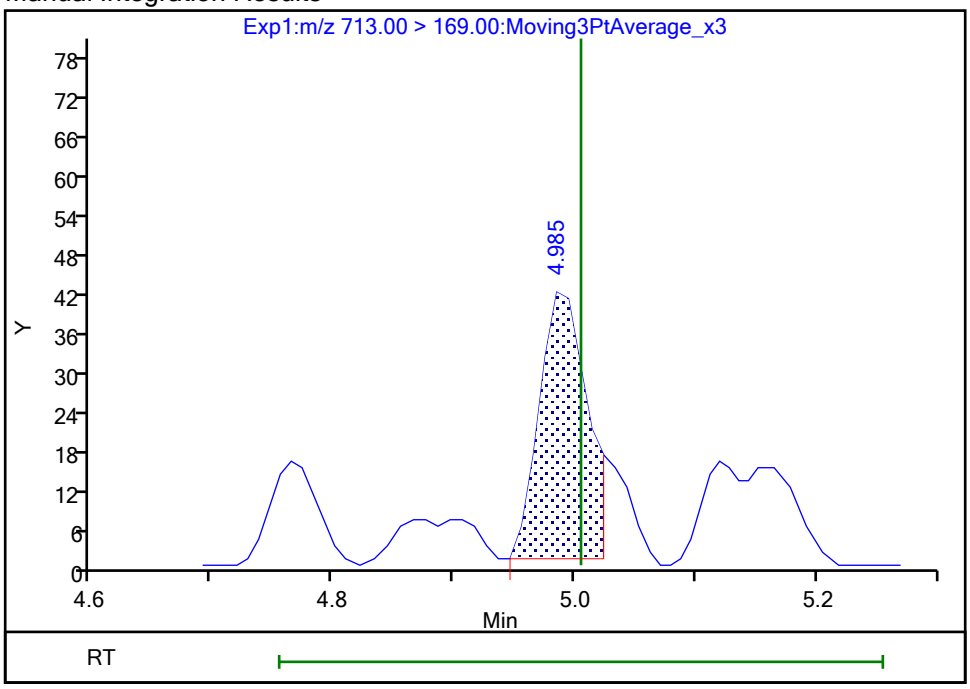
Not Detected
Expected RT: 5.00

Processing Integration Results



Manual Integration Results

RT: 4.98
Area: 111
Amount: 0.001883
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:05:02
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

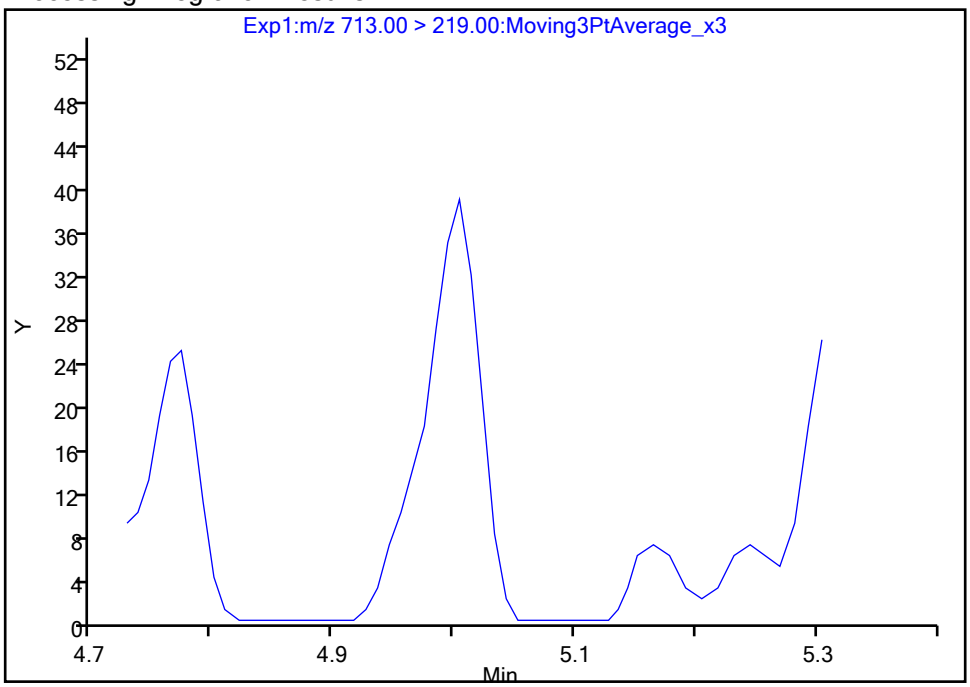
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B09.d				
Injection Date:	03-Mar-2021 20:04:28	Instrument ID:	LC812		
Lims ID:	480-181441-A-1-A	Lab Sample ID:	200-181441-1		
Client ID:	MW-6D-022221				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

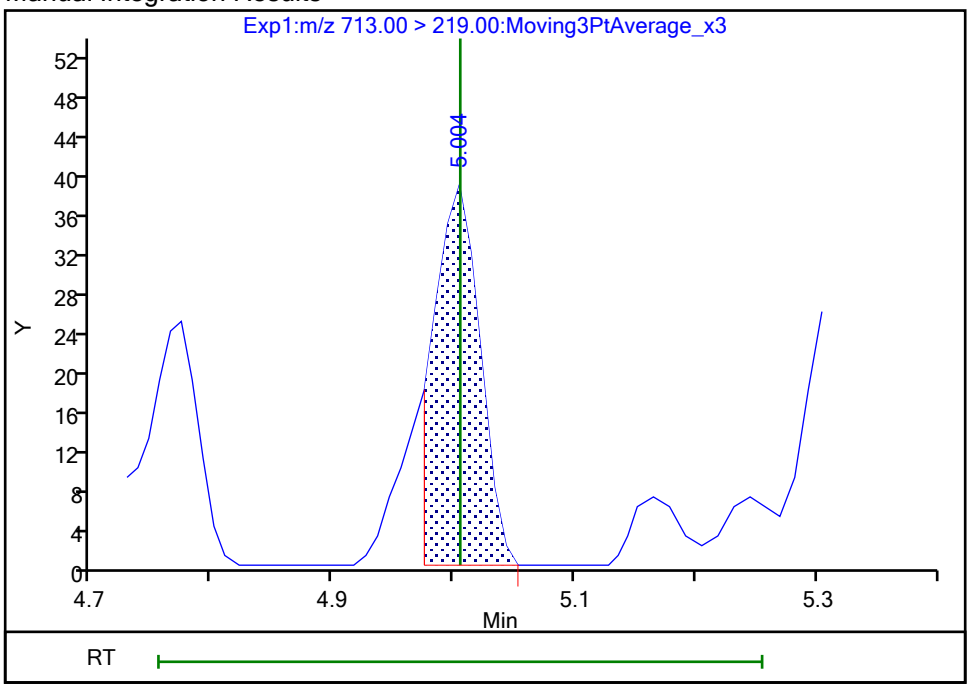
Not Detected
Expected RT: 5.00

Processing Integration Results



Manual Integration Results

RT: 5.00
Area: 99
Amount: 0.001883
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:05:03
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Client Sample ID: MW5S-022221 Lab Sample ID: 480-181441-2

Matrix: Water Lab File ID: PA210303B10.d

Analysis Method: 537 (modified) Date Collected: 02/22/2021 11:50

Extraction Method: 3535 Date Extracted: 03/03/2021 08:24

Sample wt/vol: 285.7(mL) Date Analyzed: 03/03/2021 20:12

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 164492 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
39108-34-4	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.8	0.58
27619-97-2	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	1.7	J	4.4	0.63
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.4	0.81
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.4	0.69
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.55	J	1.8	0.55
375-22-4	Perfluorobutanoic acid (PFBA)	ND		4.4	0.99
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.42
335-76-2	Perfluorodecanoic acid (PFDA)	ND		1.8	0.40
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		1.8	0.40
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8	0.34
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.85	J	1.8	0.40
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.59
307-24-4	Perfluorohexanoic acid (PFHxA)	4.5		1.8	0.73
375-95-1	Perfluorononanoic acid (PFNA)	ND		1.8	0.51
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.50
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1.0	J	1.8	0.76
335-67-1	Perfluorooctanoic acid (PFOA)	1.2	J	1.8	0.86
2706-90-3	Perfluoropentanoic acid (PFPeA)	4.4		1.8	0.95
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		1.8	0.52
72629-94-8	Perfluorotridecanoic acid (PFTriA)	ND		1.8	0.38
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.64

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Client Sample ID: MW5S-022221 Lab Sample ID: 480-181441-2

Matrix: Water Lab File ID: PA210303B10.d

Analysis Method: 537 (modified) Date Collected: 02/22/2021 11:50

Extraction Method: 3535 Date Extracted: 03/03/2021 08:24

Sample wt/vol: 285.7(mL) Date Analyzed: 03/03/2021 20:12

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 164492 Units: ng/L

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00996	13C2 PFDA	100		50-150
STL00998	13C2 PFDoA	89		50-150
STL00993	13C2 PFHxA	105		50-150
STL02116	13C2 PFTeDA	88		50-150
STL00997	13C2 PFUnA	84		50-150
STL02337	13C3 PFBS	109		50-150
STL00992	13C4 PFBA	93		25-150
STL01892	13C4 PFHpA	107		50-150
STL00990	13C4 PFOA	108		50-150
STL00991	13C4 PFOS	107		50-150
STL00995	13C5 PFNA	105		50-150
STL01893	13C5 PFPeA	106		25-150
STL01056	13C8 FOSA	86		25-150
STL00994	18O2 PFHxS	111		50-150
STL02118	d3-NMeFOSAA	88		50-150
STL02117	d5-NEtFOSAA	85		50-150
STL02279	M2-6:2 FTS	112		25-150
STL02280	M2-8:2 FTS	105		25-150

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B10.d
Lims ID: 480-181441-A-2-A
Client ID: MW5S-022221
Sample Type: Client
Inject. Date: 03-Mar-2021 20:12:45 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: 480-181441-A-2-A
Misc. Info.: 200-0045034-010 Plate: 1 Rack: 2
Operator ID: lc812tech Instrument ID: LC812

Method: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 04-Mar-2021 11:30:53 Calib Date: 22-Dec-2020 13:29:37
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1647

First Level Reviewer: khanphomeea Date: 04-Mar-2021 15:12:16
Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.080	2.091	-0.011	0.594	1427022	1.16		92.8	3427	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.080	2.091	-0.011	1.000	30532	0.0267			2.3	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.411	2.413	-0.002	0.689	1173346	1.32		106	1179	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.411	2.413	-0.002	1.000	130622	0.1257			1.8	M
D 47 13C3 PFBS										M
301.90 > 80.00	2.424	2.439	-0.015	0.692	1485514	1.27		109	57688	M
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.424	2.439	-0.015	1.000	22779	0.0158	Target=2.21		1.5	
298.90 > 99.00	2.424	2.439	-0.015	1.000	11121		2.05(1.11-3.32)		3.0	
D 7 13C2 PFHxA										
315.00 > 270.00	2.768	2.770	-0.002	0.791	1221105	1.31		105	3805	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.768	2.770	-0.002	1.000	138506	0.1298	Target=12.83		8.2	M
313.00 > 119.00	2.768	2.770	-0.002	1.000	10814		12.81(6.42-19.25)		13.2	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.133	3.132	0.001	1.000	10439	0.009155	Target=4.15		3.7	M
399.00 > 99.00	3.133	3.132	0.001	1.000	2209		4.73(2.08-6.23)		2.6	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.133	3.132	0.001	0.895	1144148	1.31		111	2812	
D 9 13C4 PFHpA										
367.00 > 322.00	3.143	3.143	0.0	0.898	1189131	1.33		107	3374	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.143	3.143	0.0	1.000	25136	0.0242	Target=3.66		2.4	M
363.00 > 169.00	3.143	3.143	0.0	1.000	6448		3.90(1.83-5.49)		8.0	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 12 M2-6:2 FTS										
429.00 > 81.00	3.483	3.483	0.0	0.995	144340	1.33		112	166	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.492	3.483	0.009	1.003	6418	0.0475			96.4	
D 14 13C4 PFOA										
417.00 > 372.00	3.501	3.492	0.009	1.000	1221272	1.35		108	2874	
* 62 13C2 PFOA										
415.00 > 370.00	3.501	3.492	0.009		1145291	1.25			3092	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.501	3.492	0.009	1.000	37136	0.0351	Target=2.58		6.0	
413.00 > 169.00	3.492	3.492	0.0	0.997	17672		2.10(1.29-3.87)		32.0	M
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.815	3.804	0.011	1.000	21452	0.0293	Target=5.65		9.9	M
499.00 > 99.00	3.804	3.804	0.0	0.997	3234		6.63(2.82-8.47)		8.3	M
D 18 13C4 PFOS										
503.00 > 80.00	3.815	3.804	0.011	1.089	761802	1.27		107	1228	
D 19 13C5 PFNA										
468.00 > 423.00	3.836	3.825	0.011	1.096	1049802	1.31		105	4189	
20 Perfluorononanoic acid										M
463.00 > 419.00	3.836	3.825	0.011	1.000	6320	0.006799	Target=7.44		1.4	M
463.00 > 169.00	3.836	3.825	0.011	1.000	921		6.86(3.72-11.16)		7.4	M
D 23 13C2 PFDA										
515.00 > 470.00	4.126	4.126	0.0	1.179	953168	1.25		99.7	3213	
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.126	4.126	0.0	1.000	3795	0.004829	Target=9.29		1.8	M
513.00 > 169.00	4.126	4.126	0.0	1.000	504		7.53(4.64-13.93)		4.5	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.138	4.137	0.001	1.182	141680	1.26		105	420	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.126	4.137	-0.011	0.997	304	0.003778			7.4	M
D 21 13C8 FOSA										
506.00 > 78.00	4.225	4.225	0.0	1.207	1215310	1.08		86.5	3250	
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.225	4.225	0.0	1.000	1299	0.001333			9.5	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.268	4.268	0.0	1.219	60696	1.09		87.5	690	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.391	4.391	0.0	1.254	663421	1.06		84.5	3574	
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.402	4.402	0.0	1.257	56859	1.06		84.8	506	
D 36 13C2 PFDoA										
615.00 > 570.00	4.622	4.612	0.010	1.320	737961	1.11		89.0	2248	
37 Perfluorododecanoic acid										RM
613.00 > 569.00	4.591	4.612	-0.021	0.993	3085	0.004751	Target=6.91		0.8	RM
613.00 > 169.00	4.622	4.612	0.010	1.000	123		25.08(3.45-10.36)		2.3	M
D 43 13C2 PFTeDA										
715.00 > 670.00	5.014	5.005	0.009	1.432	539176	1.10		87.9	3054	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
42 Perfluorotetradecanoic acid										RM
713.00 > 169.00	5.014	5.005	0.009	1.000	151	0.001888	Target=1.06		6.9	RM
713.00 > 219.00	5.014	5.005	0.009	1.000	349		0.43(0.53-1.59)		10.9	M

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Report Date: 04-Mar-2021 11:31:09 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B10.d

Injection Date: 03-Mar-2021 20:12:45 Instrument ID: LC812

Lims ID: 480-181441-A-2-A Lab Sample ID: 200-181441-2

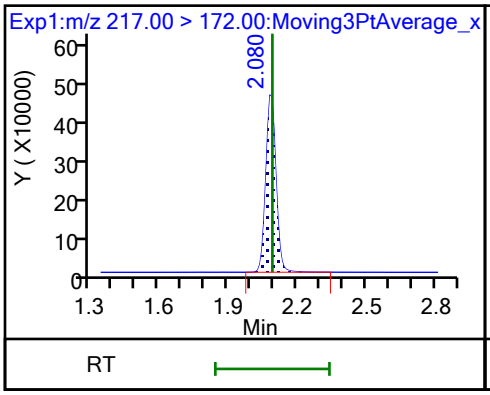
Client ID: MW5S-022221

Operator ID: lc812tech ALS Bottle#: 10 Worklist Smp#: 10

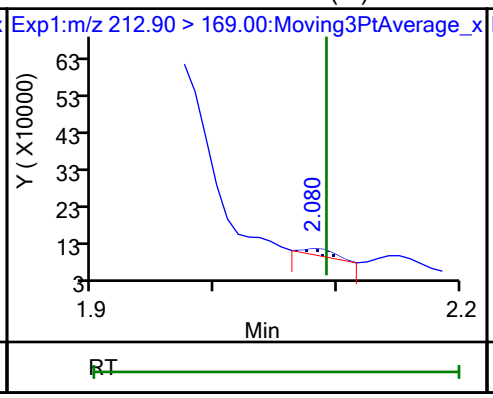
Injection Vol: 20.0 ul Dil. Factor: 1.0000

Method: PFC_LC812 Limit Group: LC_PFC_ICAL

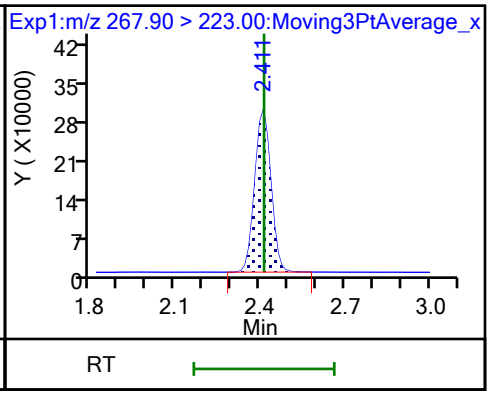
D 1 13C4 PFBA



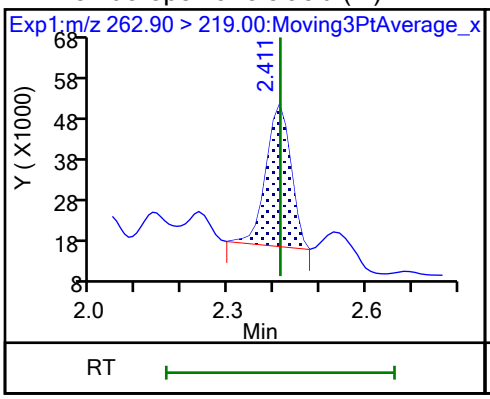
2 Perfluorobutanoic acid (M)



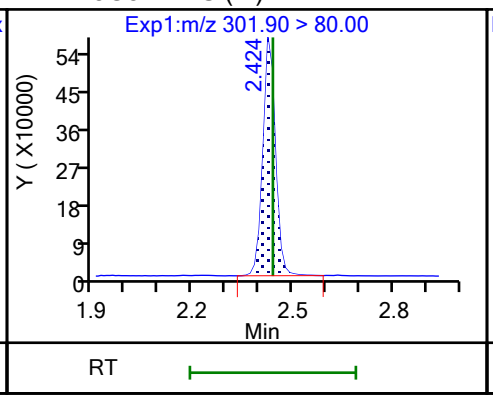
D 3 13C5 PFPeA



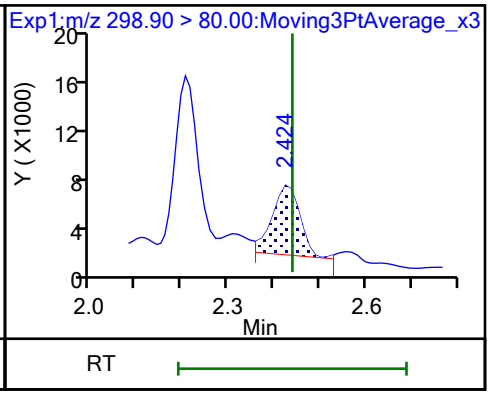
4 Perfluoropentanoic acid (M)



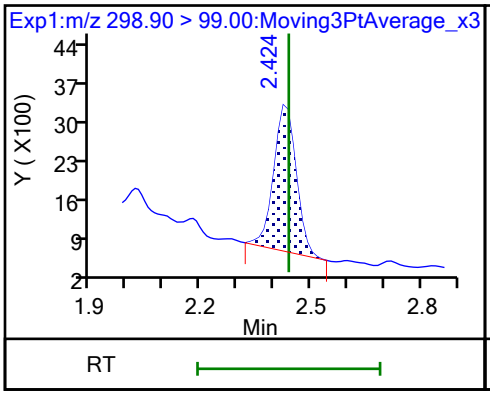
D 47 13C3 PFBS (M)



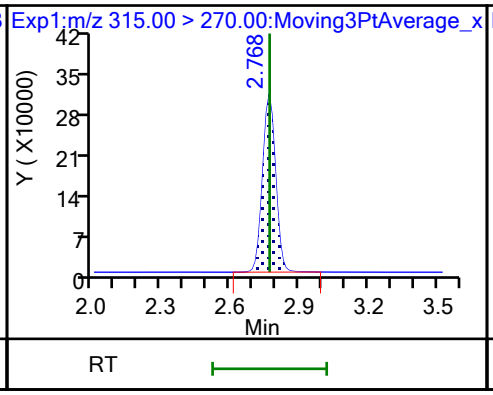
5 Perfluorobutanesulfonic acid



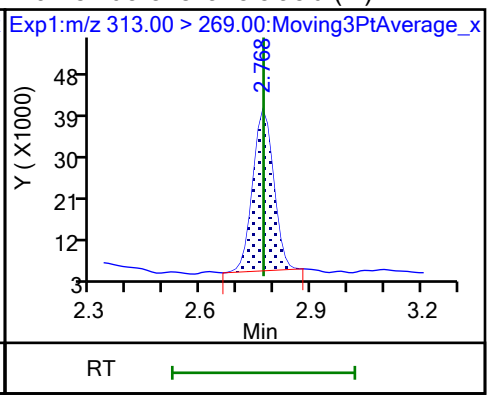
5 Perfluorobutanesulfonic acid



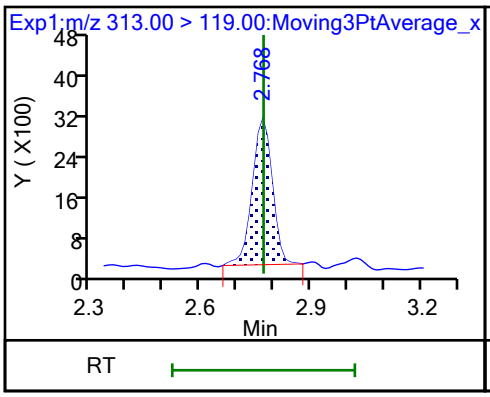
D 7 13C2 PFHxA



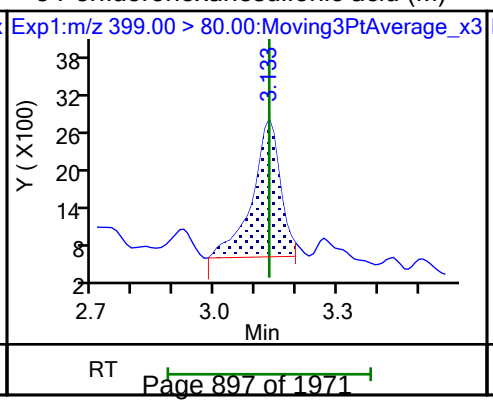
6 Perfluorohexanoic acid (M)



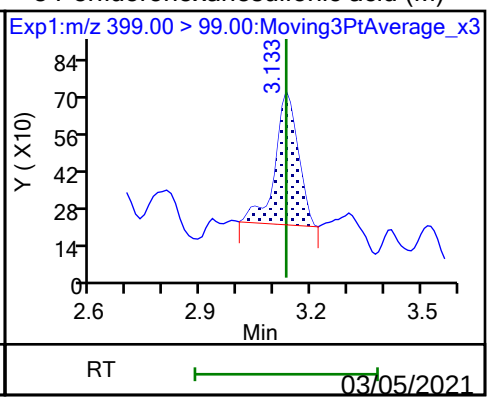
6 Perfluorohexanoic acid



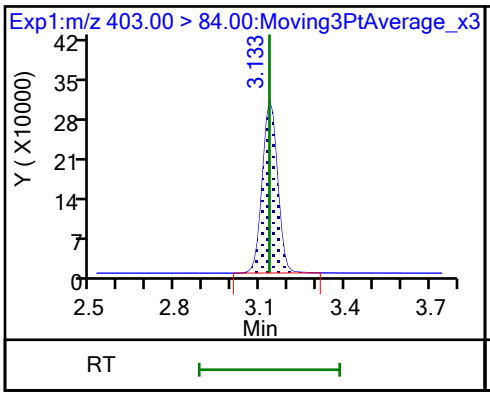
8 Perfluorohexanesulfonic acid (M)



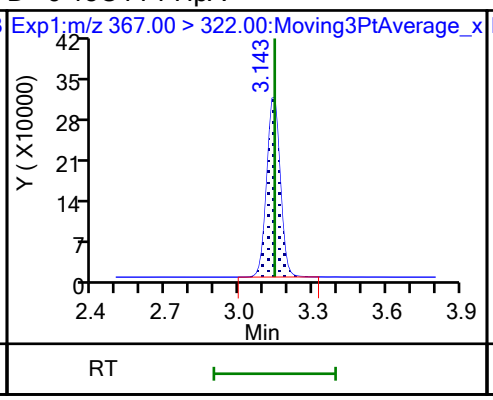
8 Perfluorohexanesulfonic acid (M)



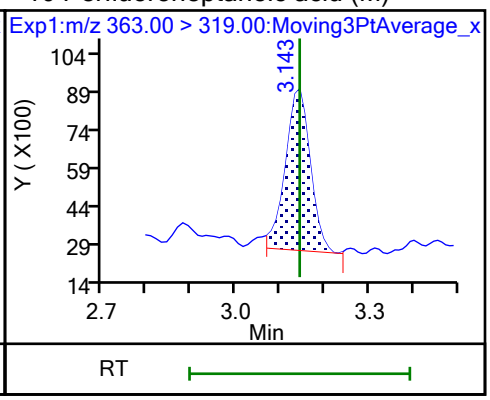
D 11 18O2 PFHxS



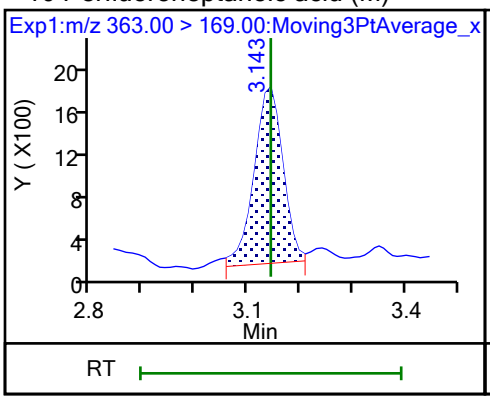
D 9 13C4 PFHpA



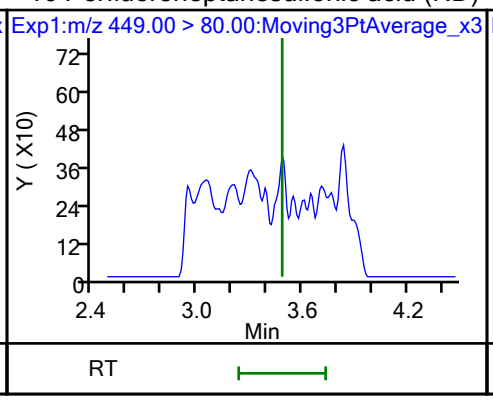
10 Perfluoroheptanoic acid (M)



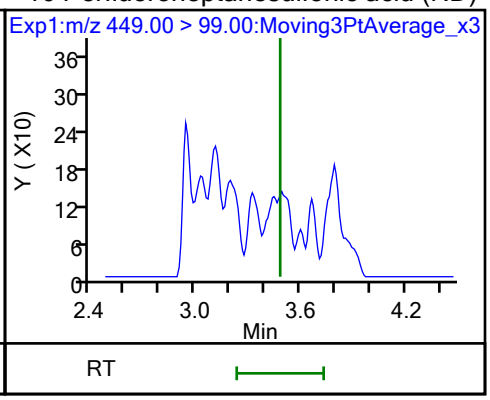
10 Perfluoroheptanoic acid (M)



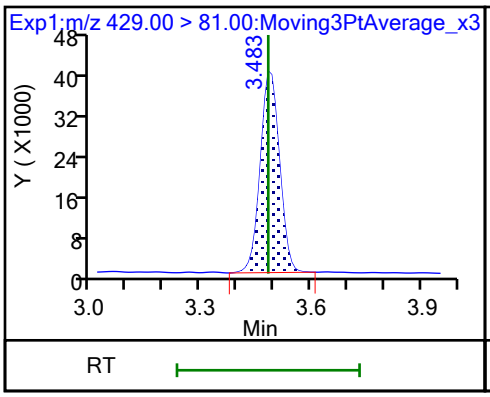
16 Perfluoroheptanesulfonic acid (ND)



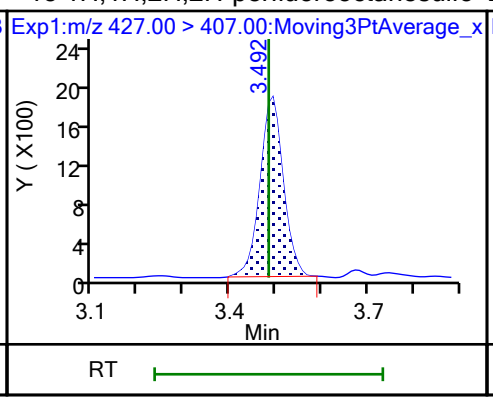
16 Perfluoroheptanesulfonic acid (ND)



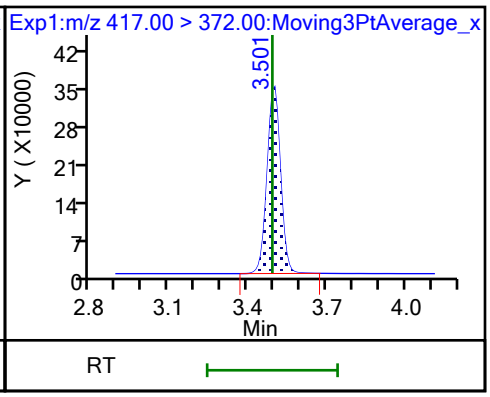
D 12 M2-6:2 FTS



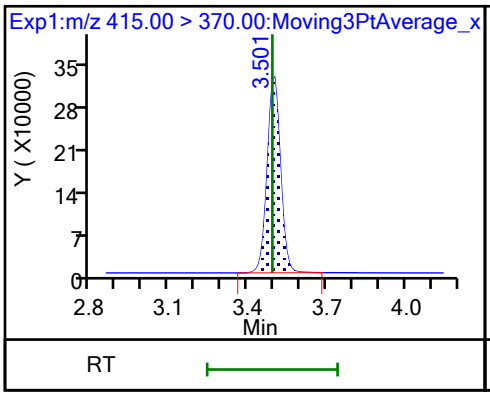
13 1H,1H,2H,2H-perfluorooctanesulfo



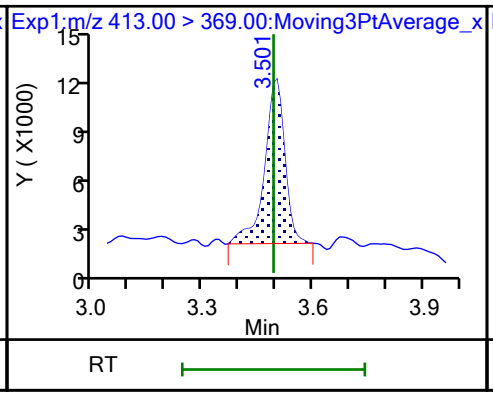
D 14 13C4 PFOA



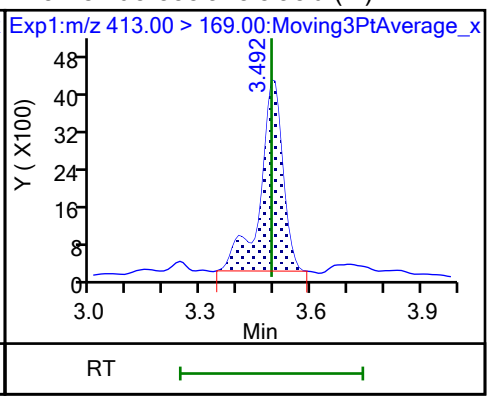
* 62 13C2 PFOA



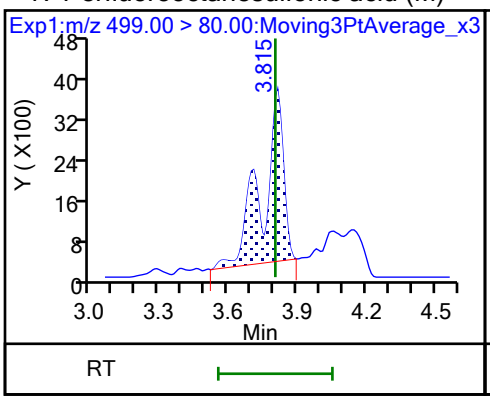
15 Perfluorooctanoic acid



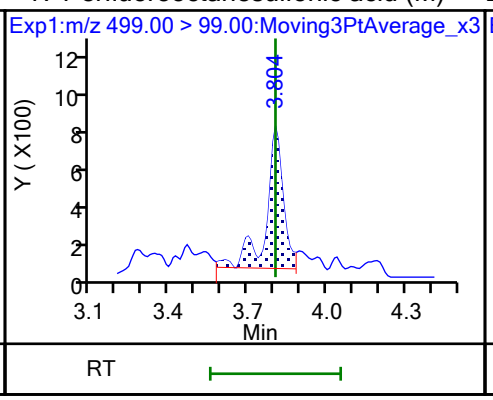
15 Perfluorooctanoic acid (M)



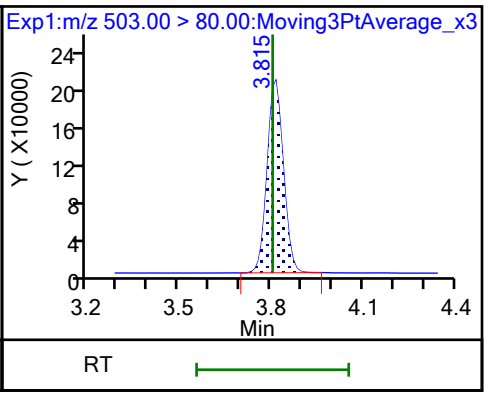
17 Perfluorooctanesulfonic acid (M)



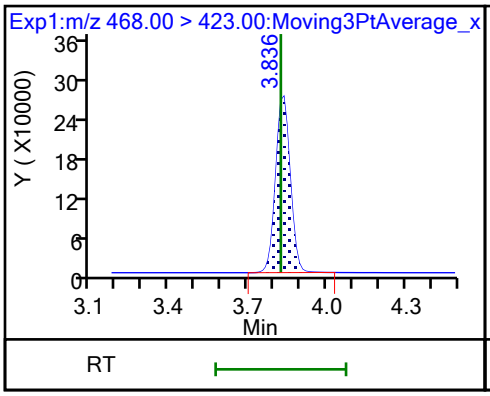
17 Perfluorooctanesulfonic acid (M)



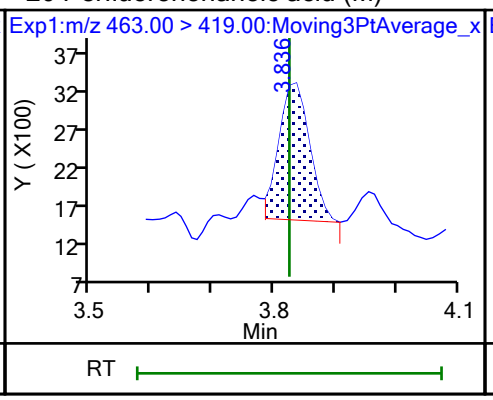
D 18 13C4 PFOS



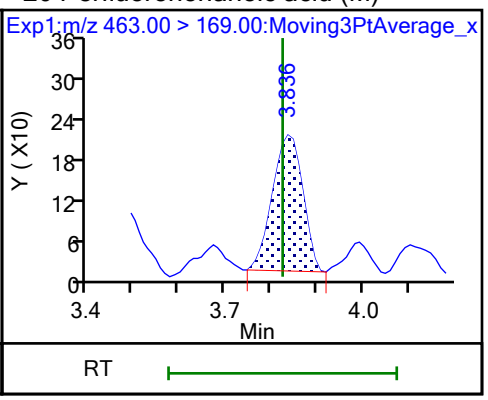
D 19 13C5 PFNA



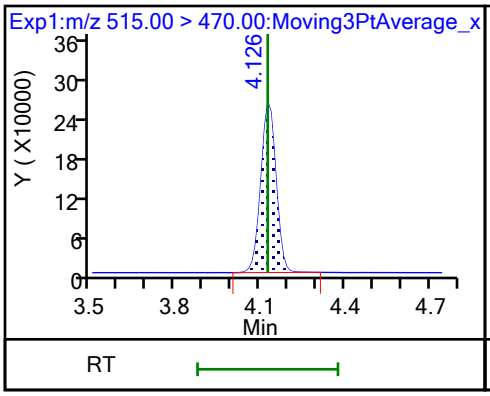
20 Perfluorononanoic acid (M)



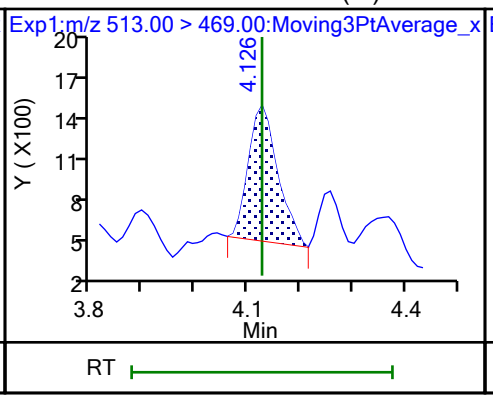
20 Perfluorononanoic acid (M)



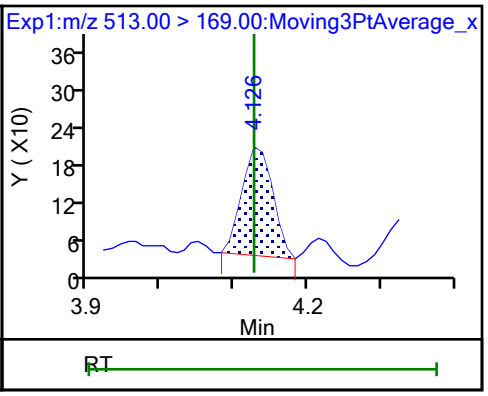
D 23 13C2 PFDA



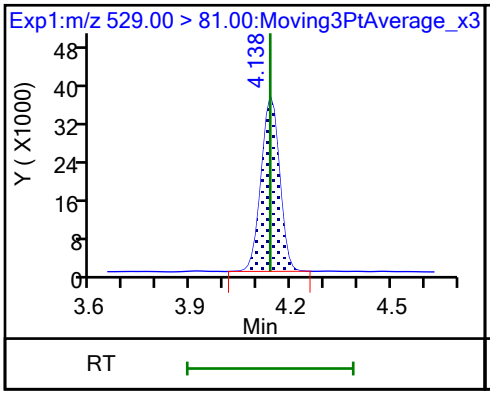
24 Perfluorodecanoic acid (M)



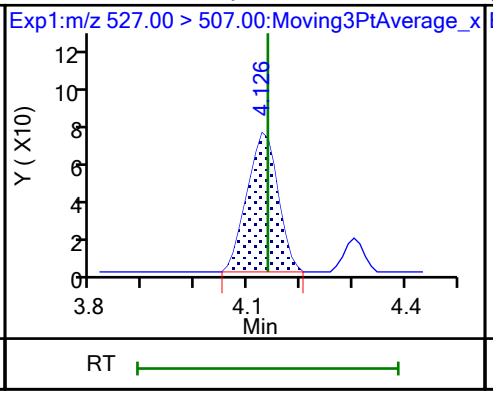
24 Perfluorodecanoic acid



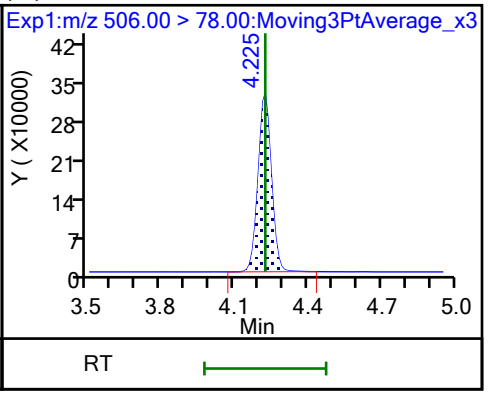
D 26 M2-8:2 FTS



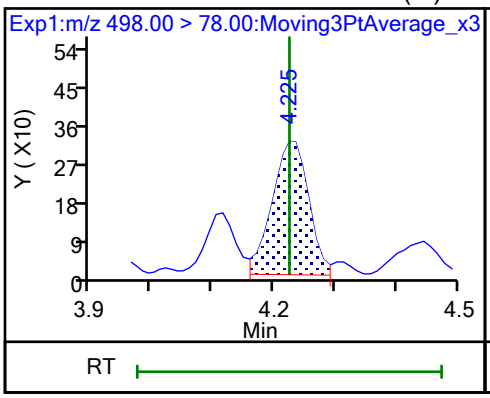
25 1H,1H,2H,2H-perfluorodecanesulfo



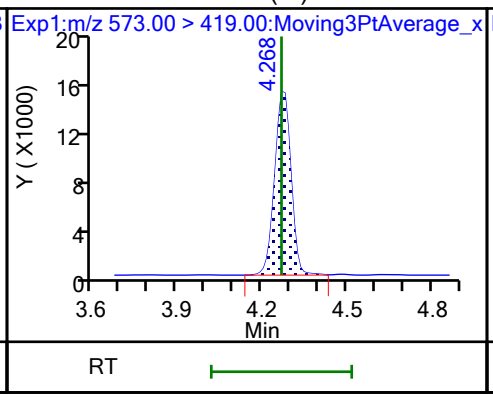
D 21 13C8 FOSA



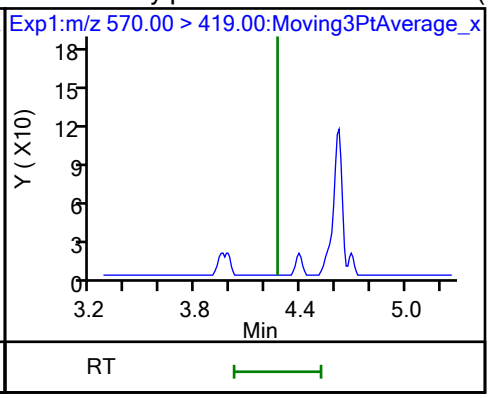
22 Perfluorooctanesulfonamide (M)



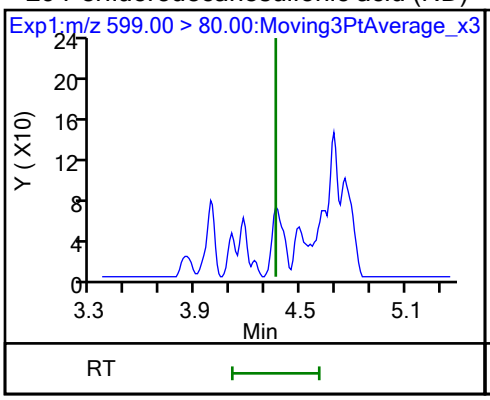
D 27 d3-NMeFOSAA (M)



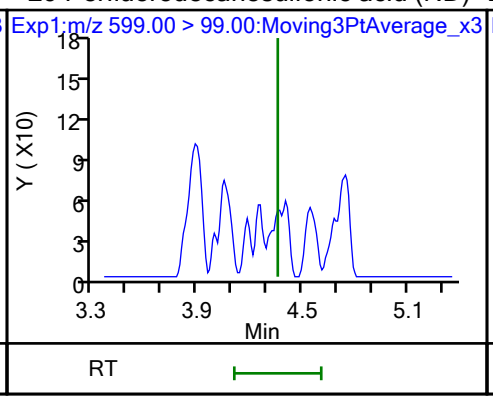
28 N-methylperfluorooctanesulfonami (ND)



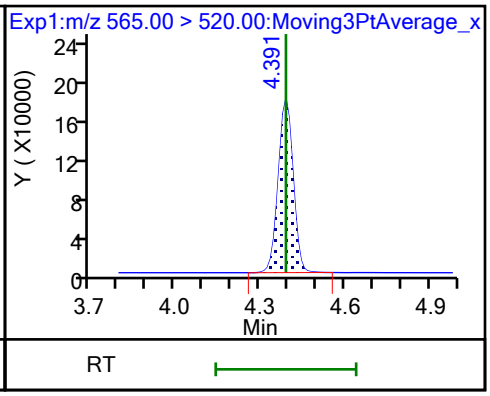
29 Perfluorodecanesulfonic acid (ND)



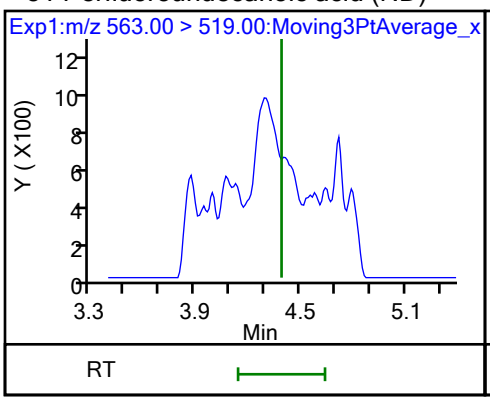
29 Perfluorodecanesulfonic acid (ND)



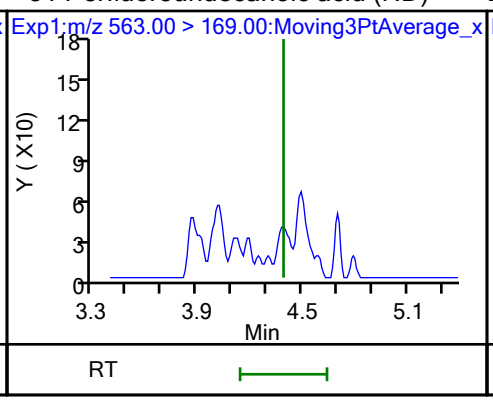
D 30 13C2 PFUnA



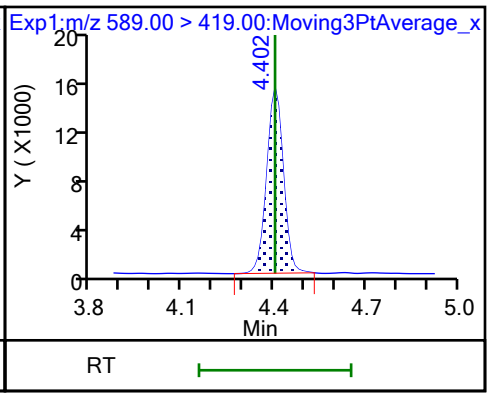
31 Perfluoroundecanoic acid (ND)



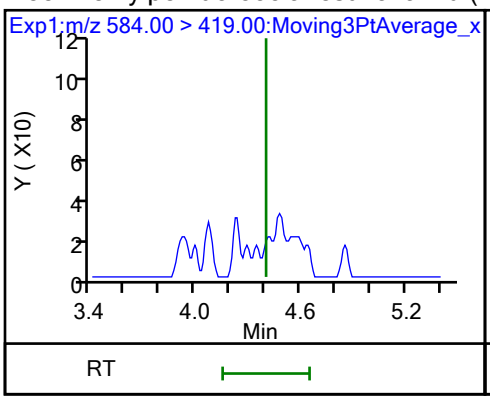
31 Perfluoroundecanoic acid (ND)



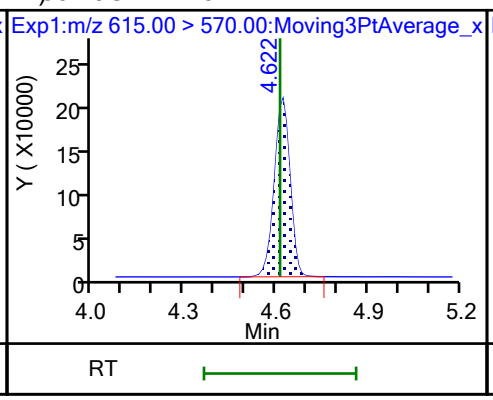
D 32 d5-NEtFOSAA



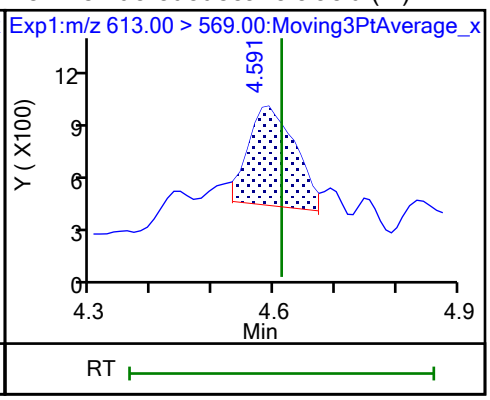
33 N-ethylperfluorooctanesulfonamid (ND)



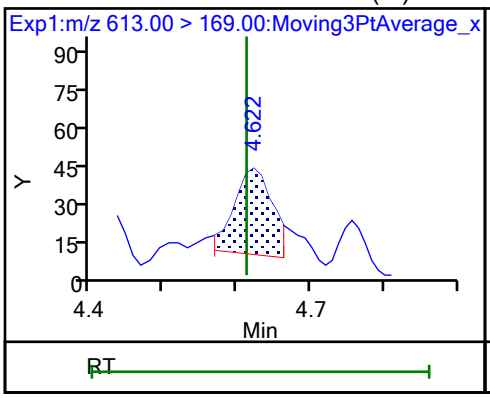
D 36 13C2 PFDoA



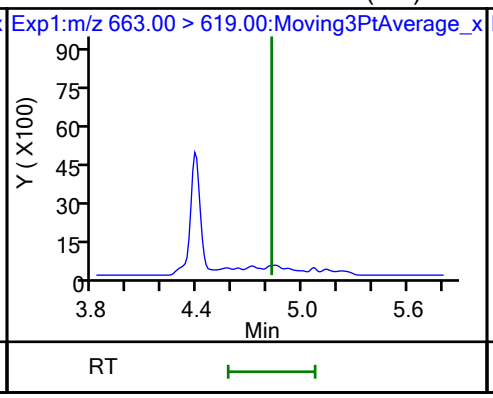
37 Perfluorododecanoic acid (M)



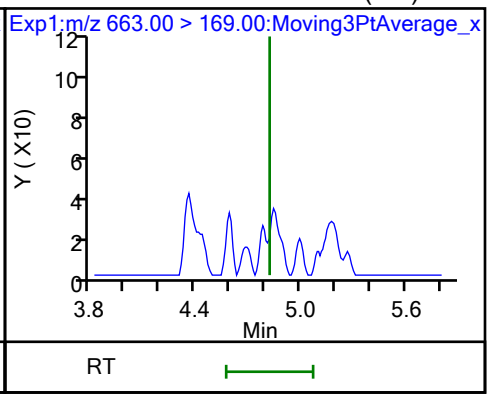
37 Perfluorododecanoic acid (M)



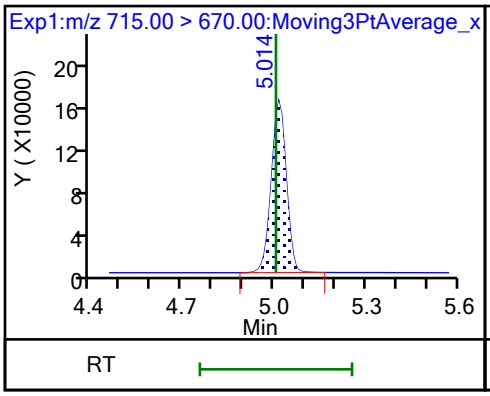
41 Perfluorotridecanoic acid (ND)



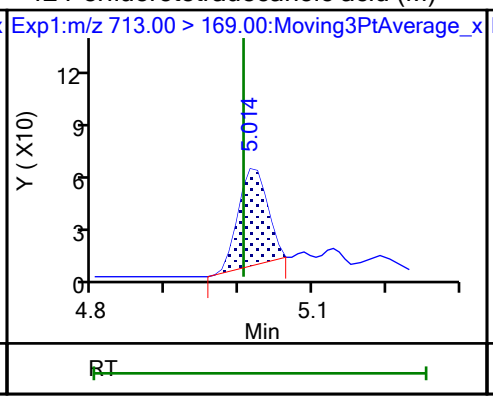
41 Perfluorotridecanoic acid (ND)



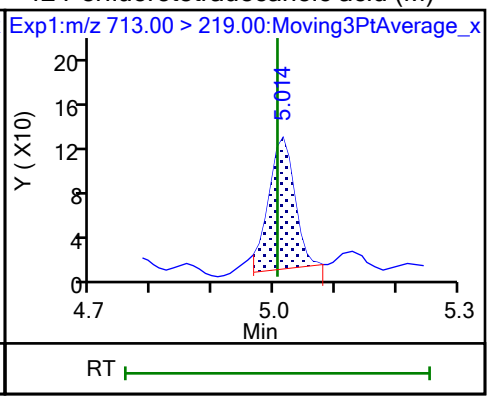
D 43 13C2 PFTeDA



42 Perfluorotetradecanoic acid (M)



42 Perfluorotetradecanoic acid (M)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

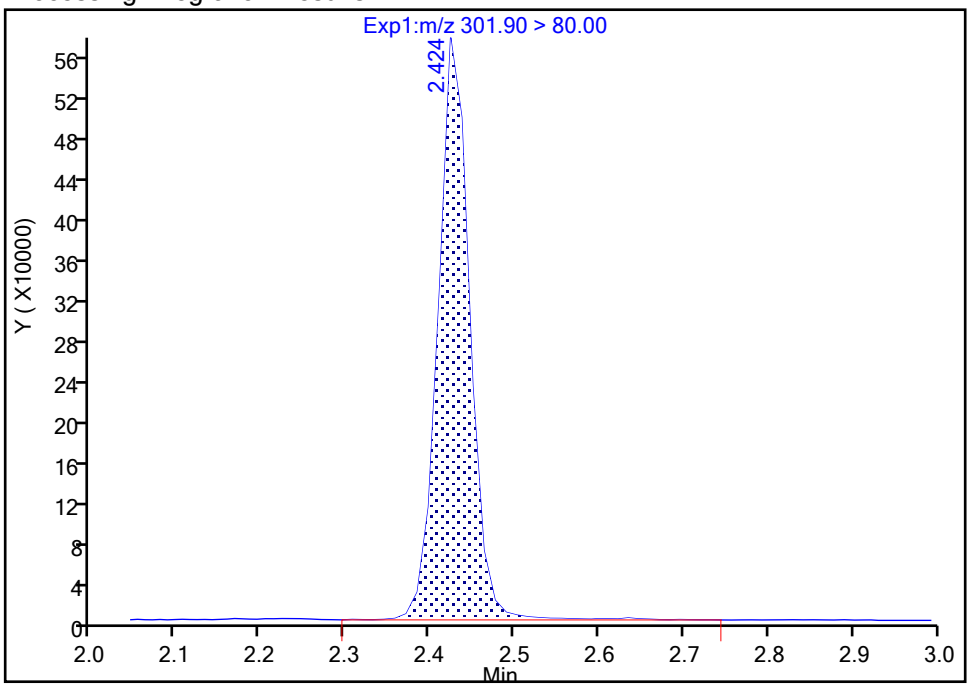
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Injection Date:	03-Mar-2021 20:12:45	Instrument ID:	LC812		
Lims ID:	480-181441-A-2-A	Lab Sample ID:	200-181441-2		
Client ID:	MW5S-022221				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

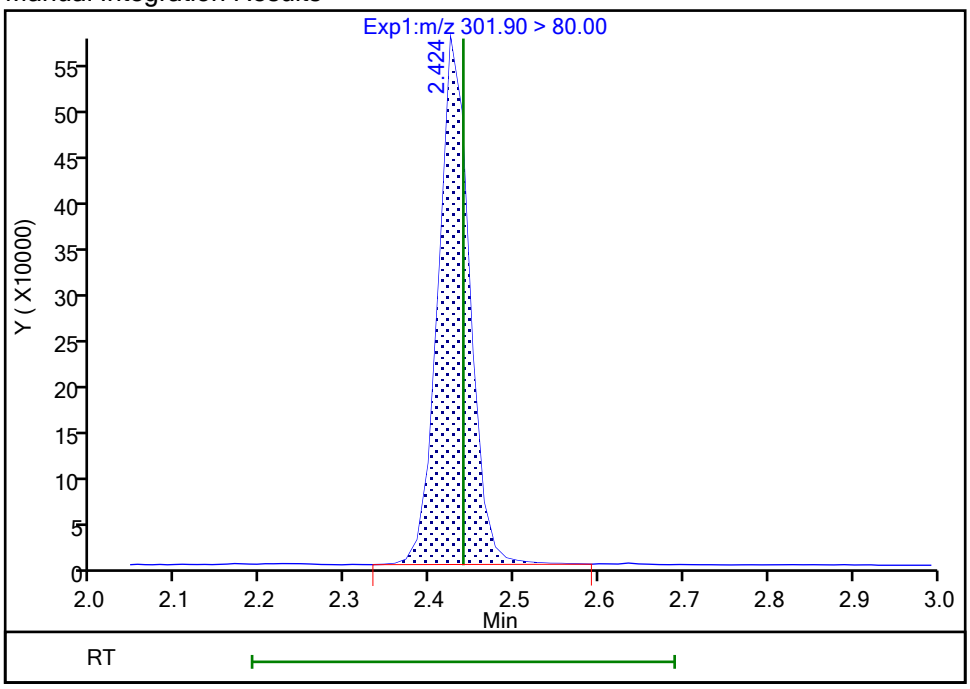
Processing Integration Results

RT: 2.42
Area: 1498717
Amount: 1.280143
Amount Units: ng/ml



Manual Integration Results

RT: 2.42
Area: 1485514
Amount: 1.268866
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:08:43

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

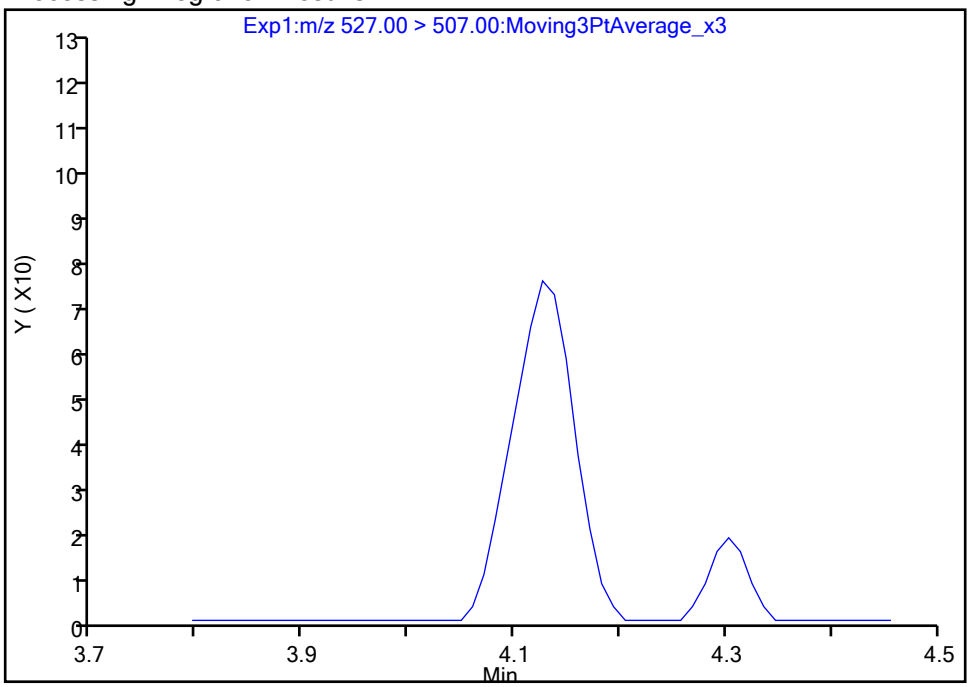
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Injection Date:	03-Mar-2021 20:12:45	Instrument ID:	LC812		
Lims ID:	480-181441-A-2-A	Lab Sample ID:	200-181441-2		
Client ID:	MW5S-022221				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

25 1H,1H,2H,2H-perfluorodecanesulfo, CAS: 39108-34-4

Signal: 1

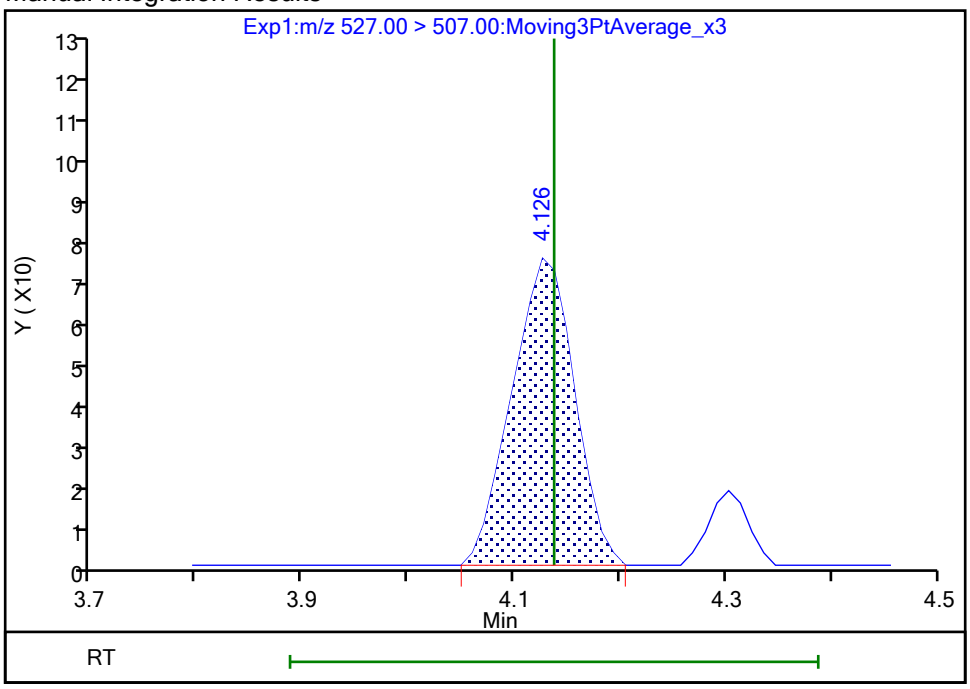
Not Detected
Expected RT: 4.14

Processing Integration Results



Manual Integration Results

RT: 4.13
Area: 304
Amount: 0.003778
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:11:29
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

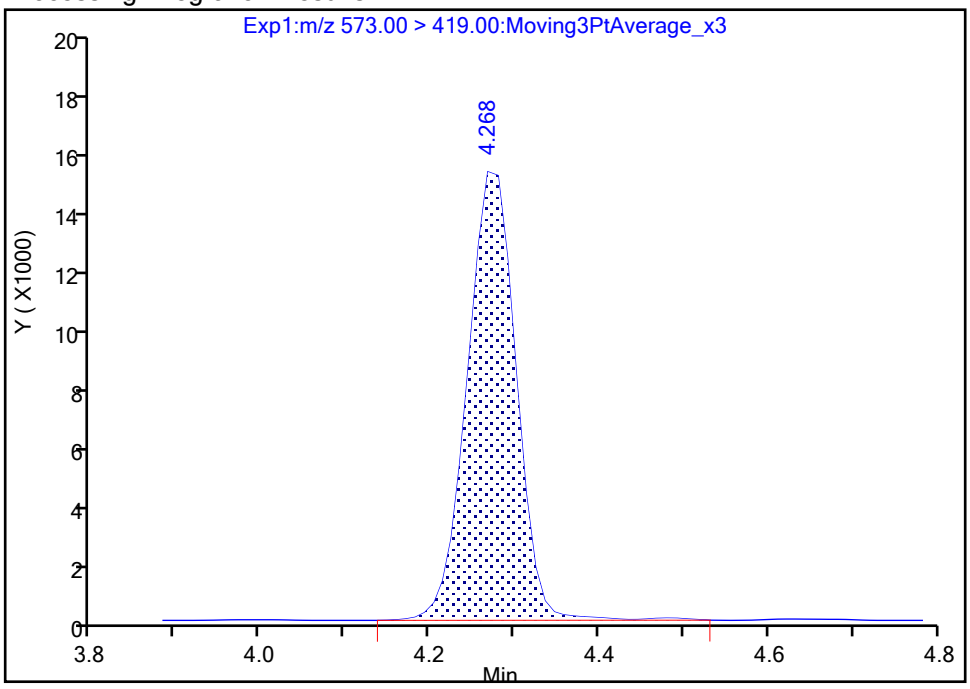
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Injection Date:	03-Mar-2021 20:12:45	Instrument ID:	LC812		
Lims ID:	480-181441-A-2-A	Lab Sample ID:	200-181441-2		
Client ID:	MW5S-022221				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

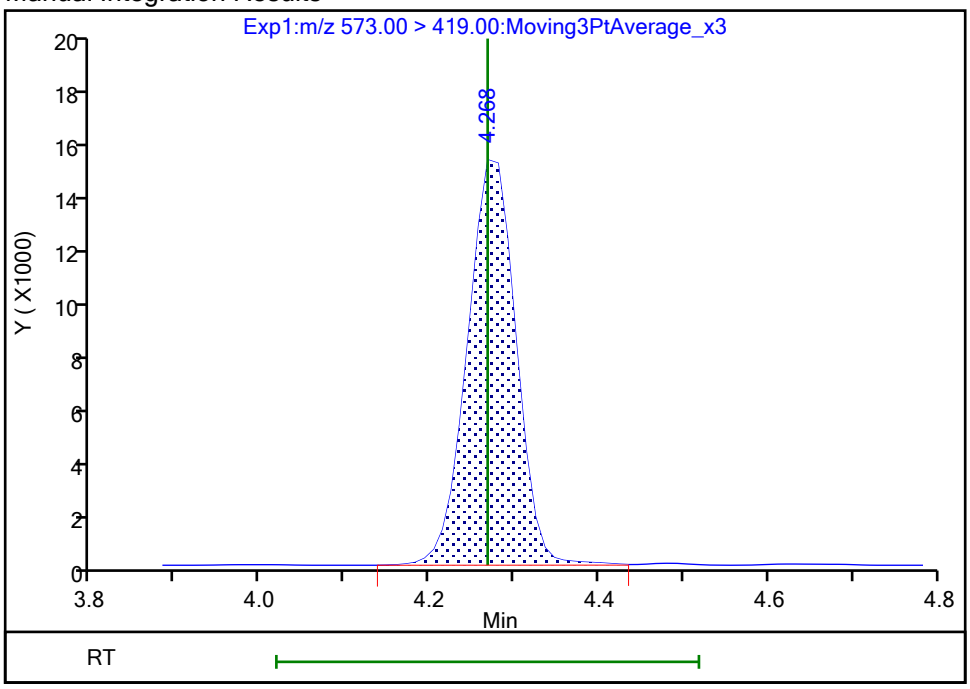
Processing Integration Results

RT: 4.27
Area: 60923
Amount: 1.098372
Amount Units: ng/ml



Manual Integration Results

RT: 4.27
Area: 60696
Amount: 1.094280
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:08:48

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

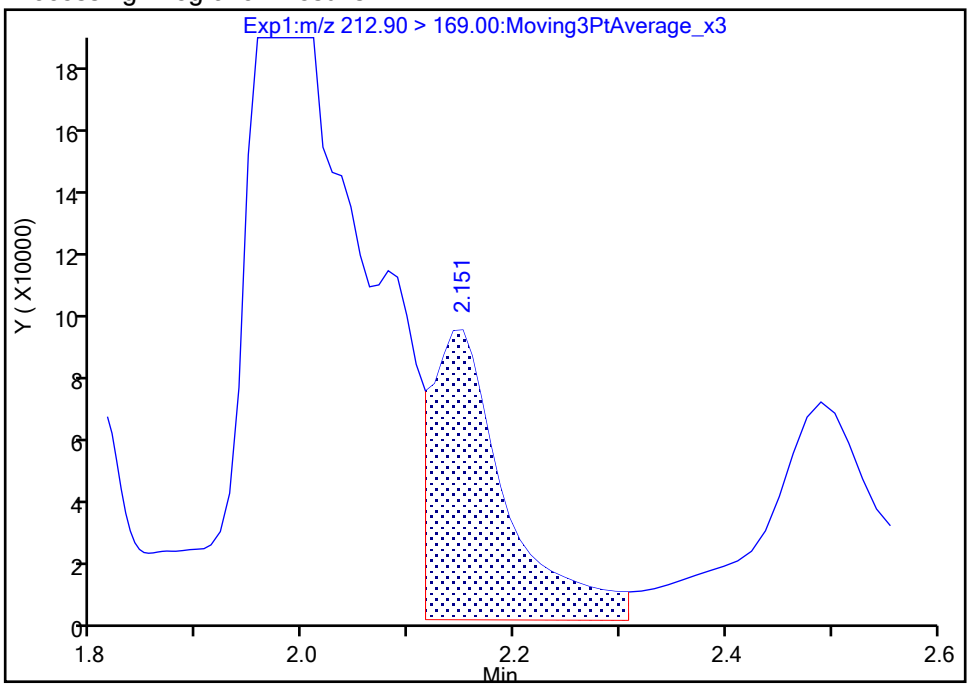
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B10.d				
Injection Date:	03-Mar-2021 20:12:45	Instrument ID:	LC812		
Lims ID:	480-181441-A-2-A	Lab Sample ID:	200-181441-2		
Client ID:	MW5S-022221				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

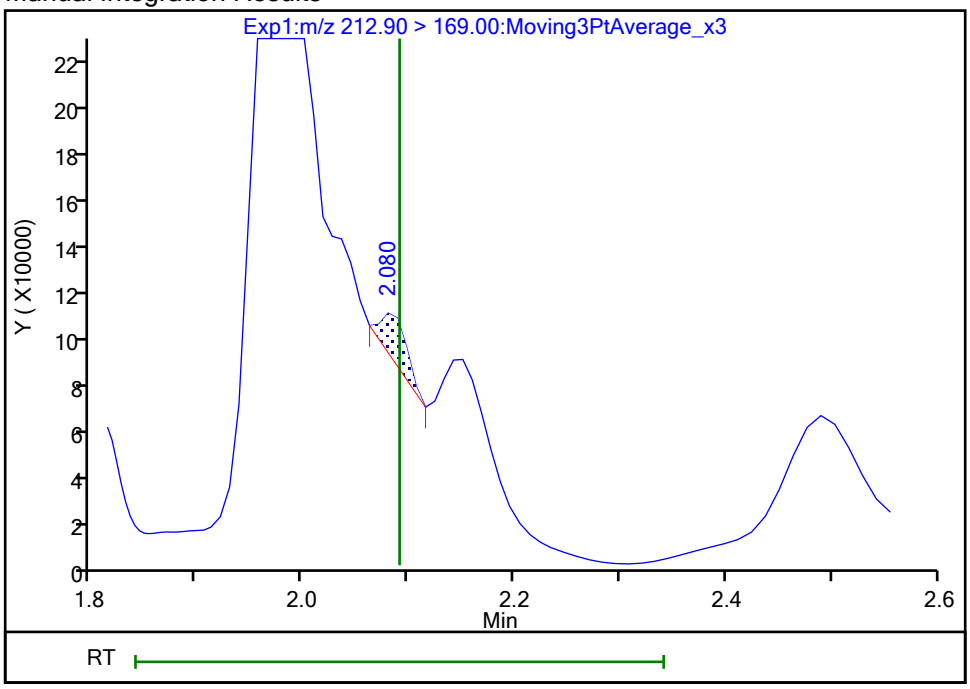
Processing Integration Results

RT: 2.15
Area: 442821
Amount: 0.387111
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 30532
Amount: 0.026691
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:09:08

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

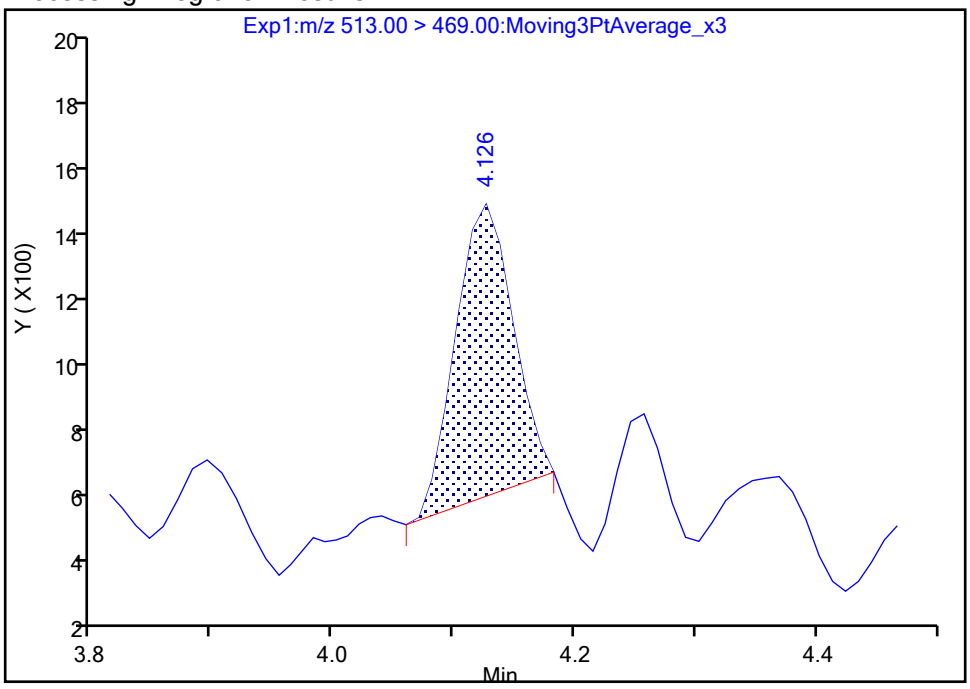
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B10.d				
Injection Date:	03-Mar-2021 20:12:45	Instrument ID:	LC812		
Lims ID:	480-181441-A-2-A	Lab Sample ID:	200-181441-2		
Client ID:	MW5S-022221				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

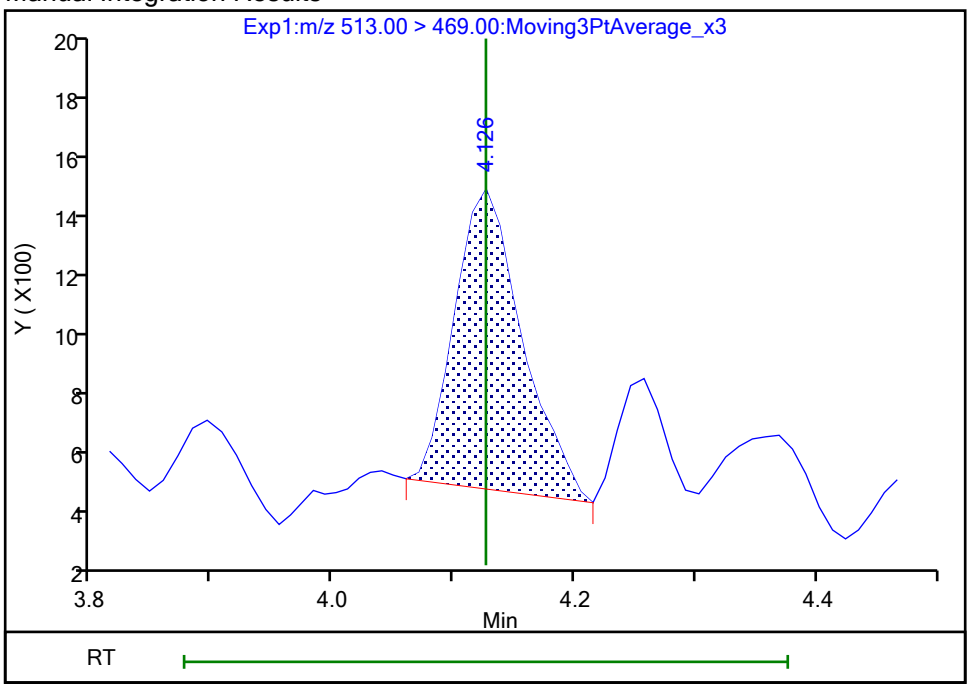
Processing Integration Results

RT: 4.13
Area: 2830
Amount: 0.003601
Amount Units: ng/ml



Manual Integration Results

RT: 4.13
Area: 3795
Amount: 0.004829
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:11:23

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

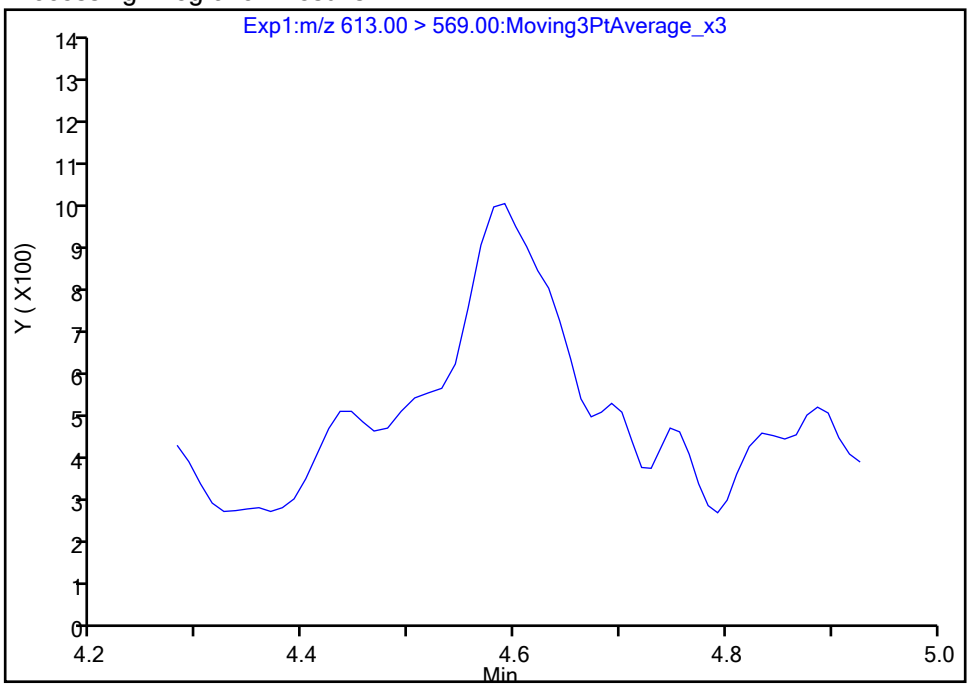
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B10.d				
Injection Date:	03-Mar-2021 20:12:45	Instrument ID:	LC812		
Lims ID:	480-181441-A-2-A	Lab Sample ID:	200-181441-2		
Client ID:	MW5S-022221				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

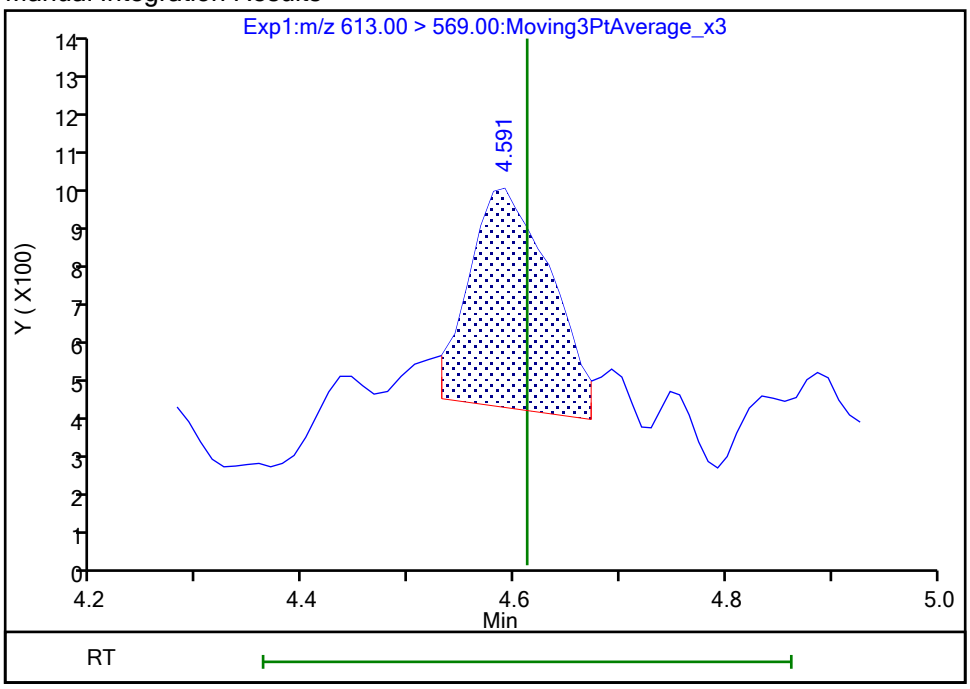
Not Detected
Expected RT: 4.61

Processing Integration Results



Manual Integration Results

RT: 4.59
Area: 3085
Amount: 0.004751
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:11:59
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

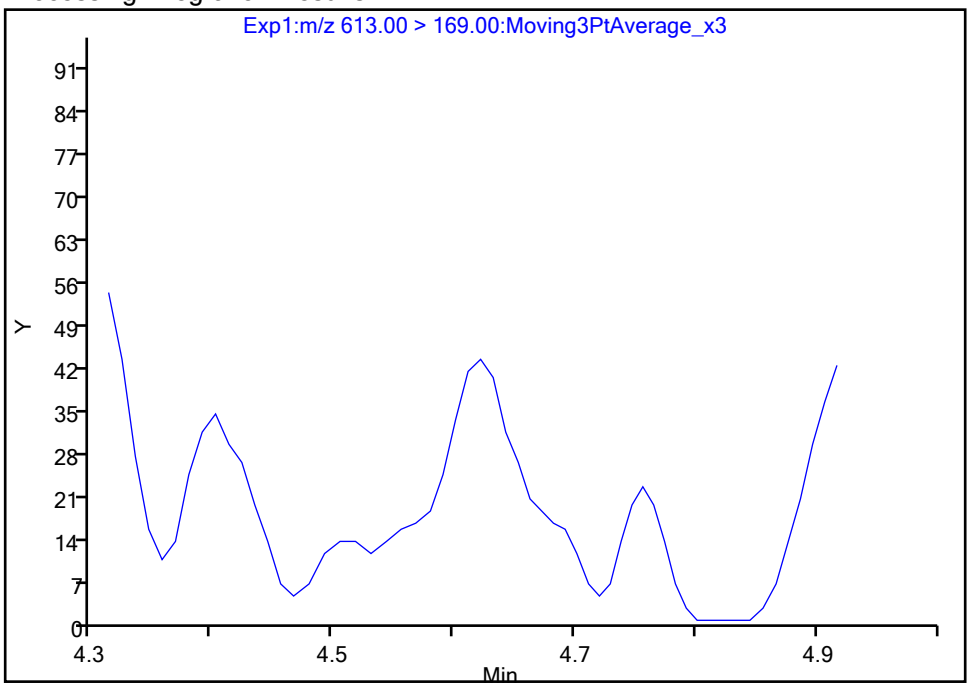
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B10.d				
Injection Date:	03-Mar-2021 20:12:45	Instrument ID:	LC812		
Lims ID:	480-181441-A-2-A	Lab Sample ID:	200-181441-2		
Client ID:	MW5S-022221				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

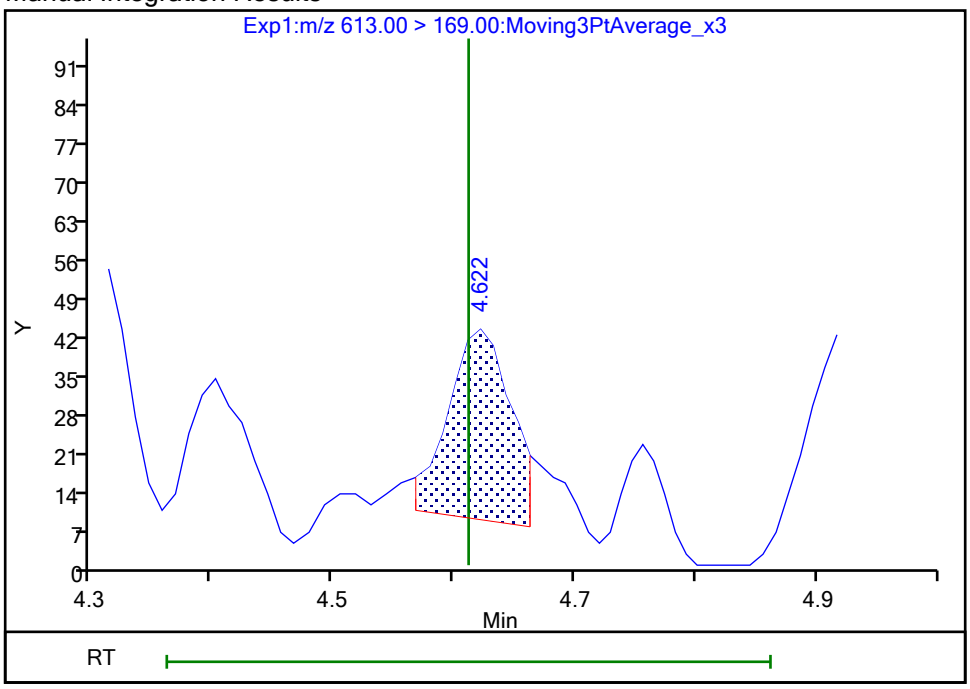
Not Detected
Expected RT: 4.61

Processing Integration Results



Manual Integration Results

RT: 4.62
Area: 123
Amount: 0.004751
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:12:01
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

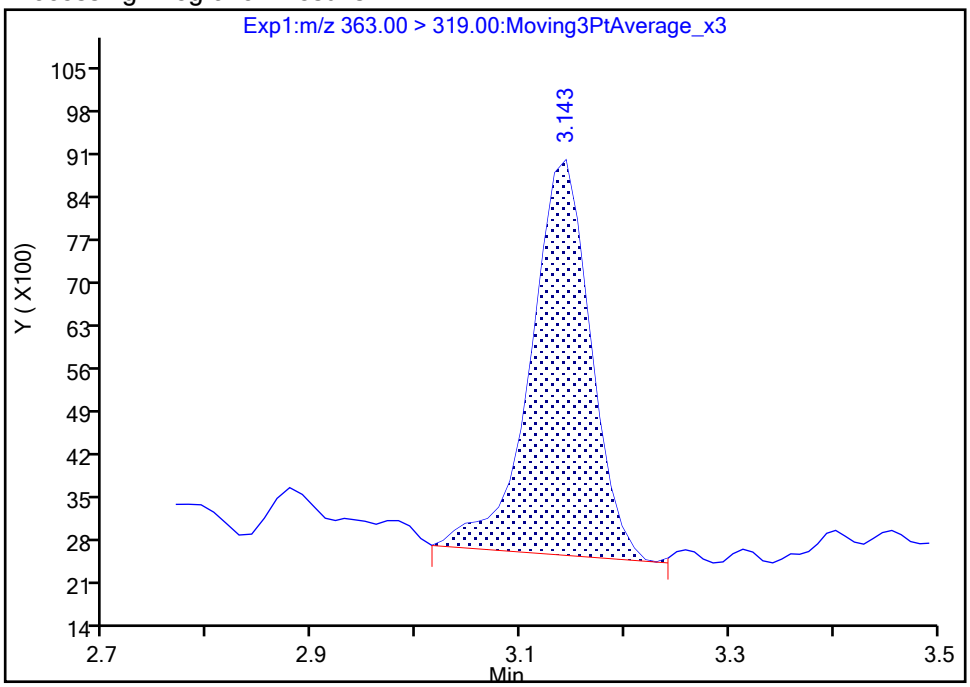
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B10.d				
Injection Date:	03-Mar-2021 20:12:45	Instrument ID:	LC812		
Lims ID:	480-181441-A-2-A	Lab Sample ID:	200-181441-2		
Client ID:	MW5S-022221				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

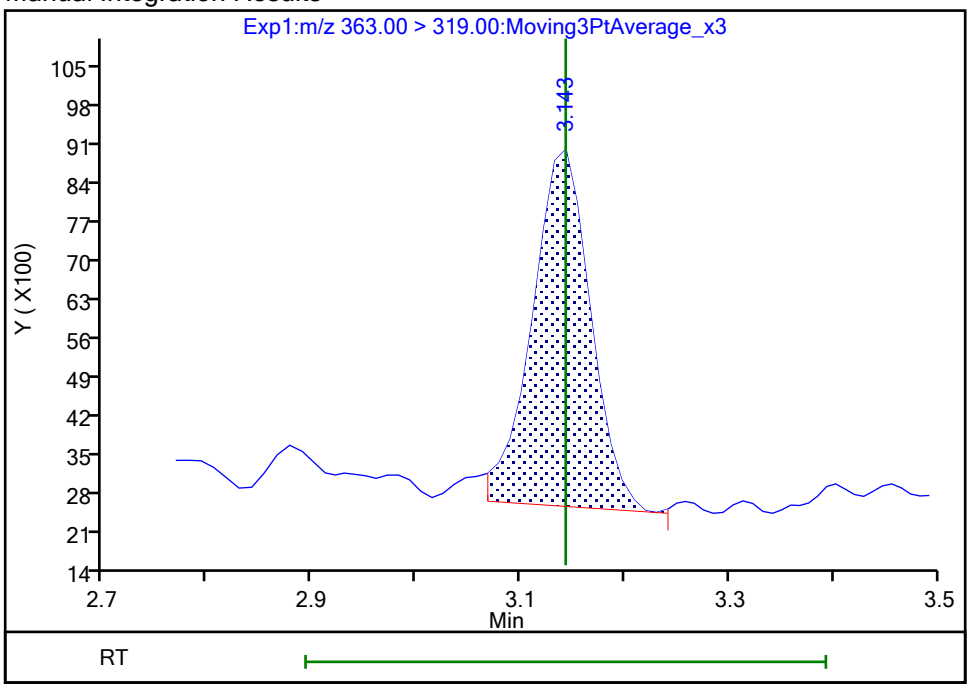
Processing Integration Results

RT: 3.14
Area: 26081
Amount: 0.025101
Amount Units: ng/ml



Manual Integration Results

RT: 3.14
Area: 25136
Amount: 0.024192
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:09:47

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

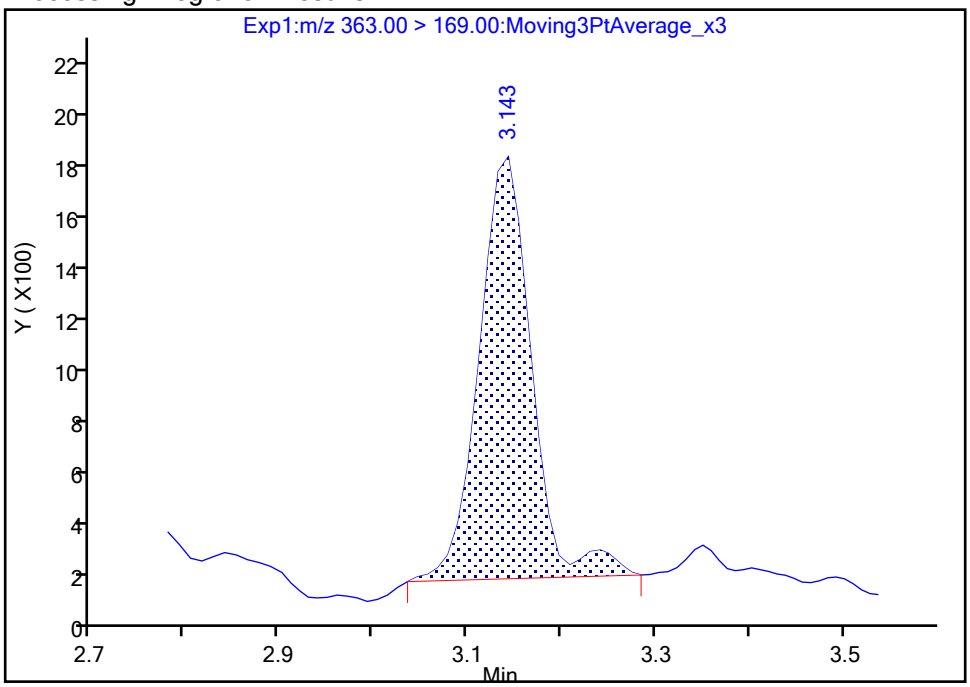
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B10.d				
Injection Date:	03-Mar-2021 20:12:45	Instrument ID:	LC812		
Lims ID:	480-181441-A-2-A	Lab Sample ID:	200-181441-2		
Client ID:	MW5S-022221				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

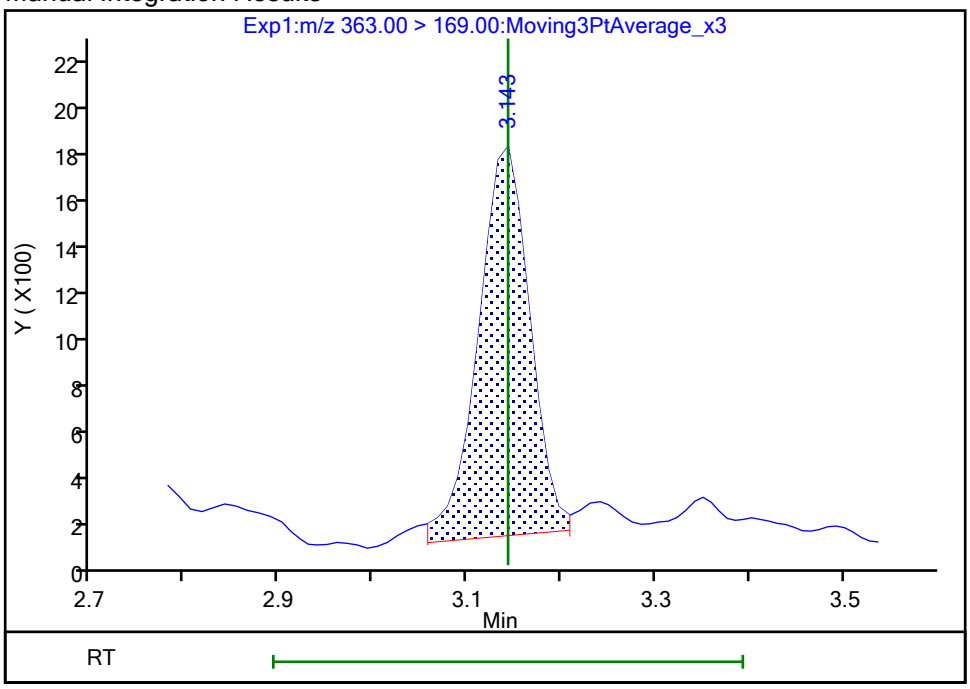
Processing Integration Results

RT: 3.14
Area: 6412
Amount: 0.025101
Amount Units: ng/ml



Manual Integration Results

RT: 3.14
Area: 6448
Amount: 0.024192
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:10:25
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

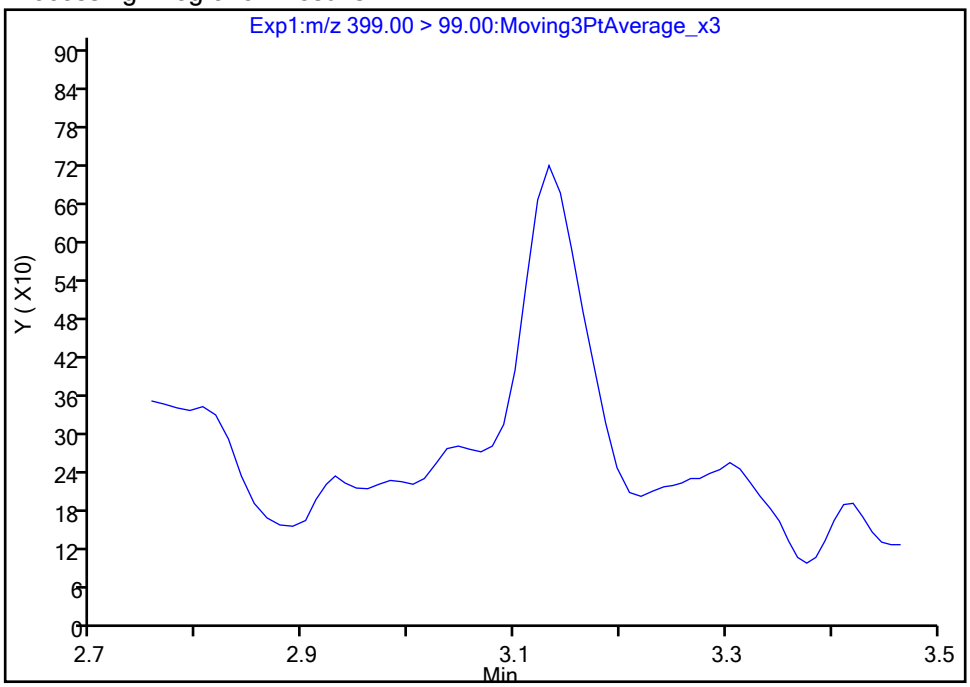
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B10.d				
Injection Date:	03-Mar-2021 20:12:45	Instrument ID:	LC812		
Lims ID:	480-181441-A-2-A	Lab Sample ID:	200-181441-2		
Client ID:	MW5S-022221				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

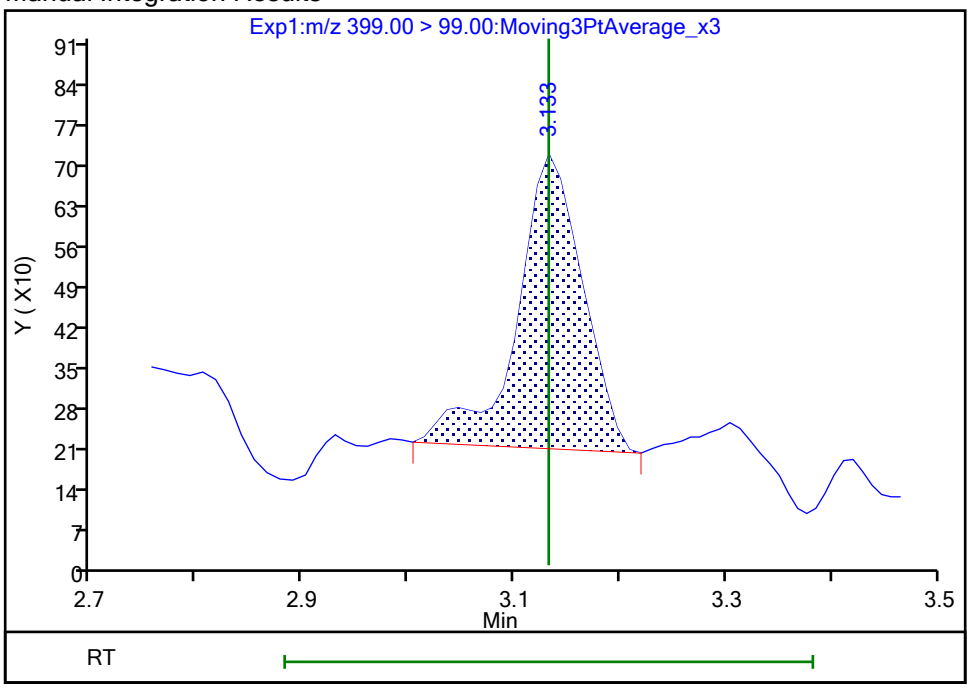
Not Detected
Expected RT: 3.13

Processing Integration Results



Manual Integration Results

RT: 3.13
Area: 2209
Amount: 0.009155
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:09:35
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

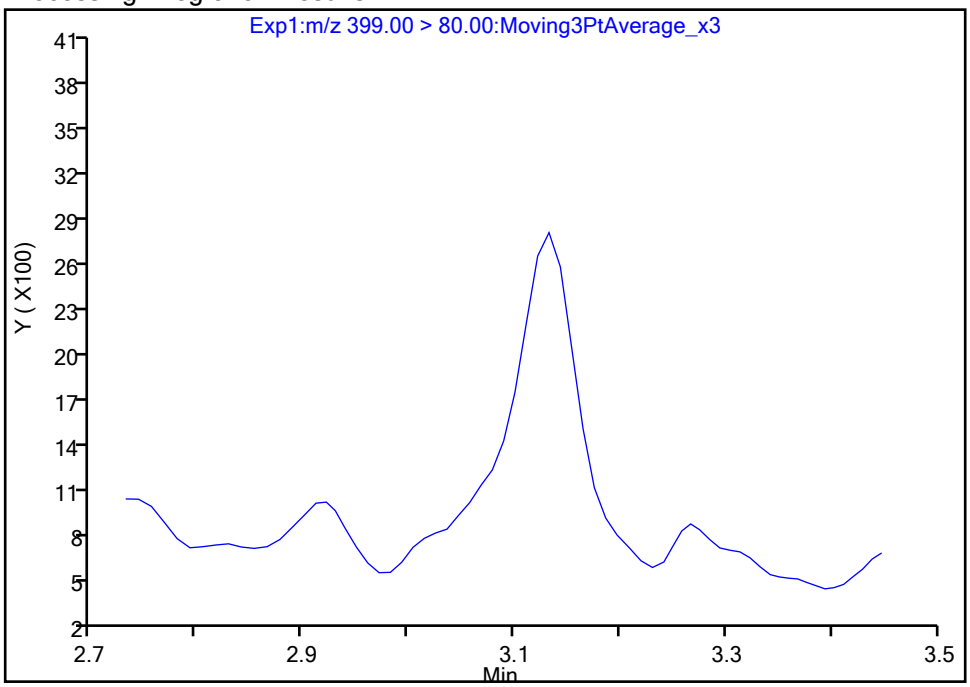
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B10.d				
Injection Date:	03-Mar-2021 20:12:45	Instrument ID:	LC812		
Lims ID:	480-181441-A-2-A	Lab Sample ID:	200-181441-2		
Client ID:	MW5S-022221				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

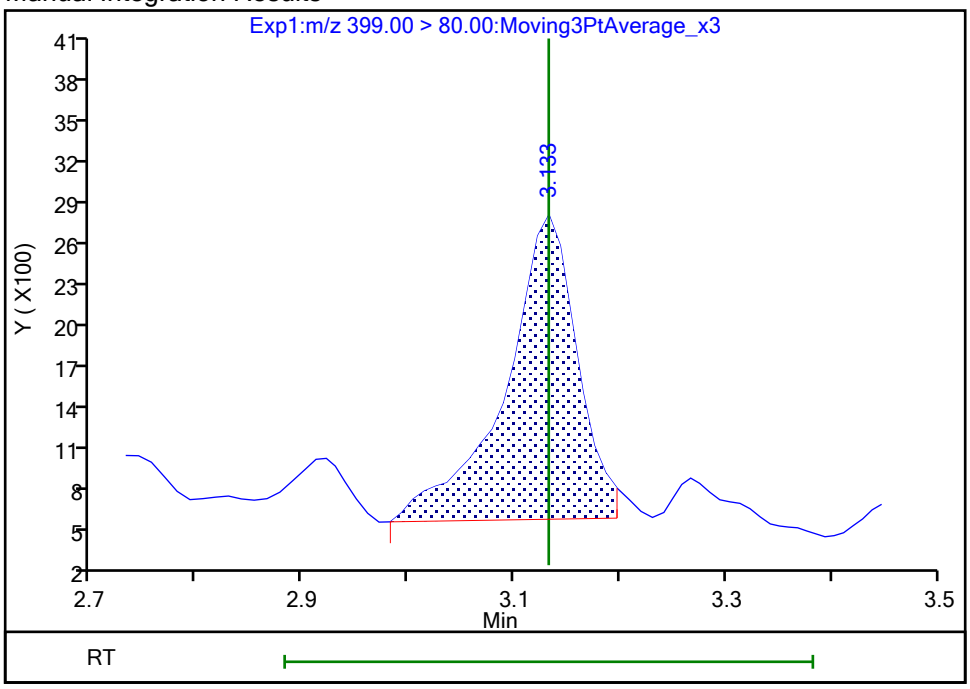
Not Detected
Expected RT: 3.13

Processing Integration Results



Manual Integration Results

RT: 3.13
Area: 10439
Amount: 0.009155
Amount Units: ng/ml



Reviewer: deannd, 04-Mar-2021 09:32:55
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

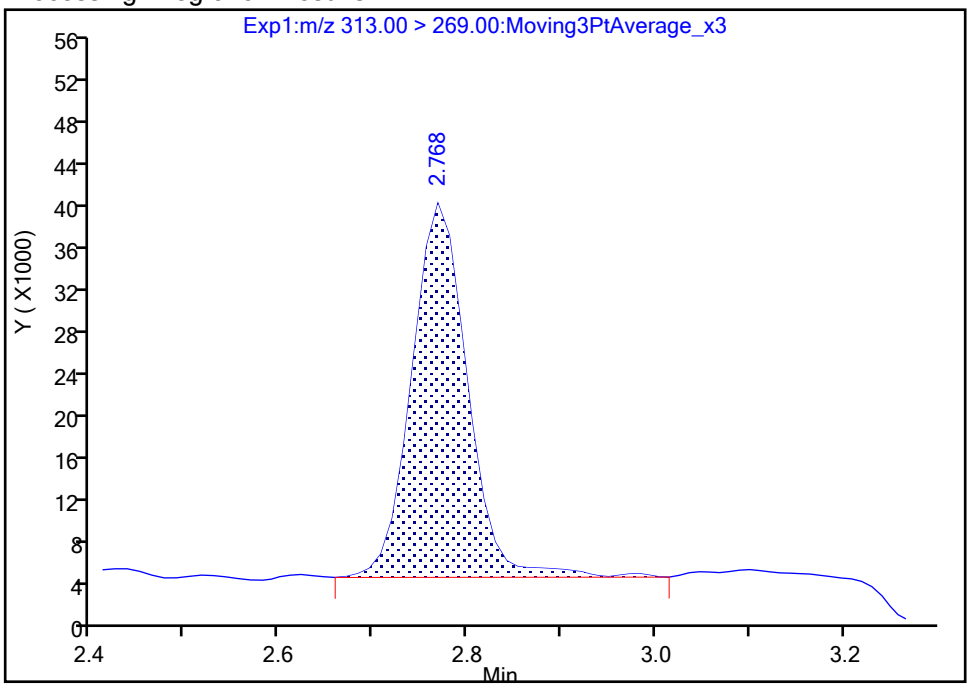
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B10.d				
Injection Date:	03-Mar-2021 20:12:45	Instrument ID:	LC812		
Lims ID:	480-181441-A-2-A	Lab Sample ID:	200-181441-2		
Client ID:	MW5S-022221				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

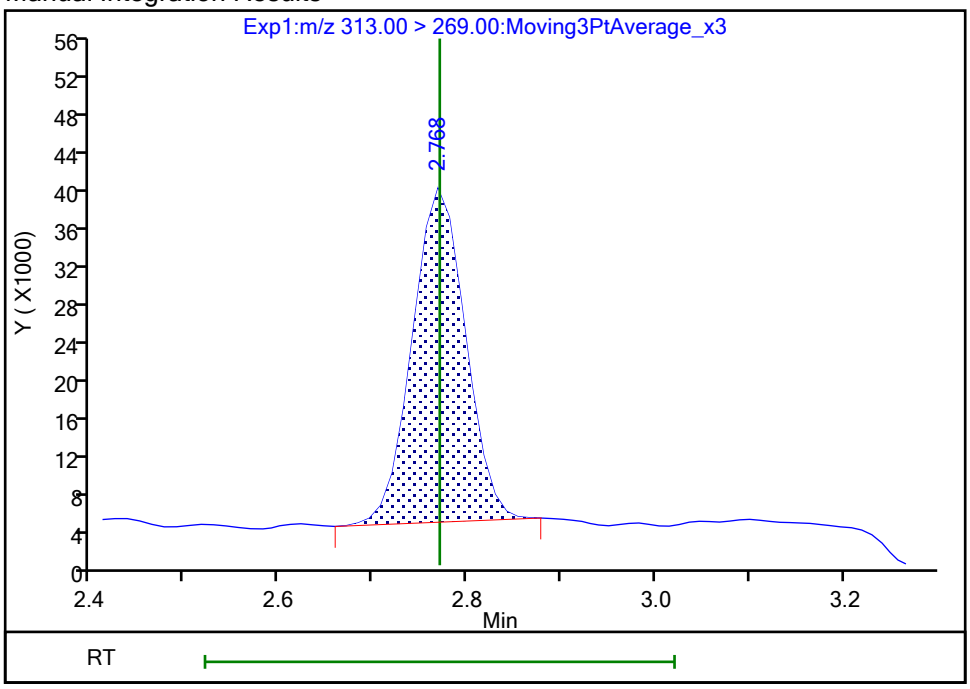
Processing Integration Results

RT: 2.77
Area: 147158
Amount: 0.137892
Amount Units: ng/ml



Manual Integration Results

RT: 2.77
Area: 138506
Amount: 0.129785
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:09:27

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

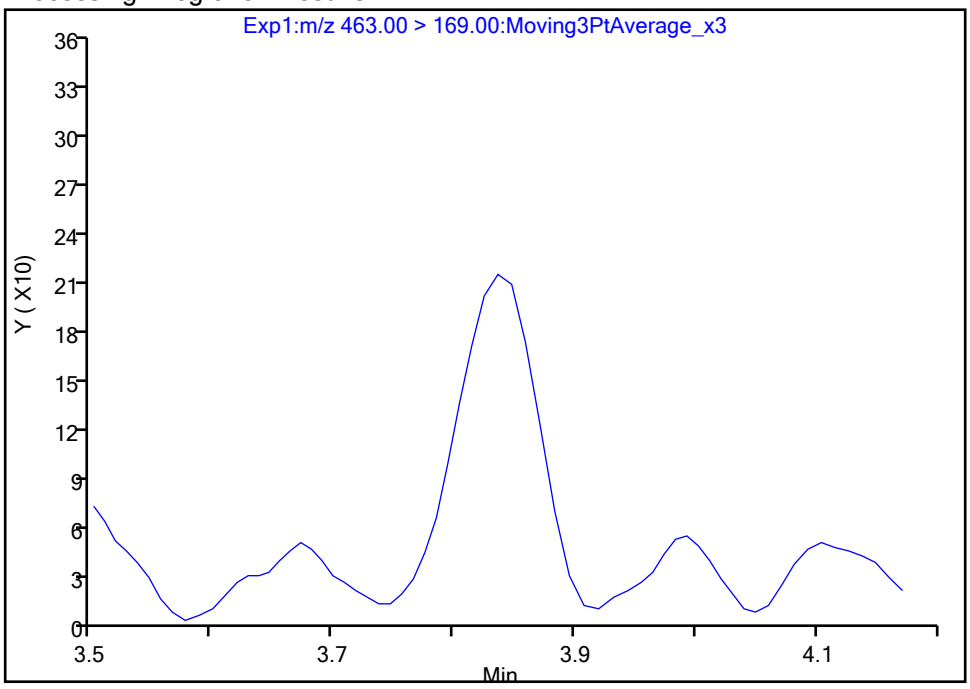
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B10.d				
Injection Date:	03-Mar-2021 20:12:45	Instrument ID:	LC812		
Lims ID:	480-181441-A-2-A	Lab Sample ID:	200-181441-2		
Client ID:	MW5S-022221				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

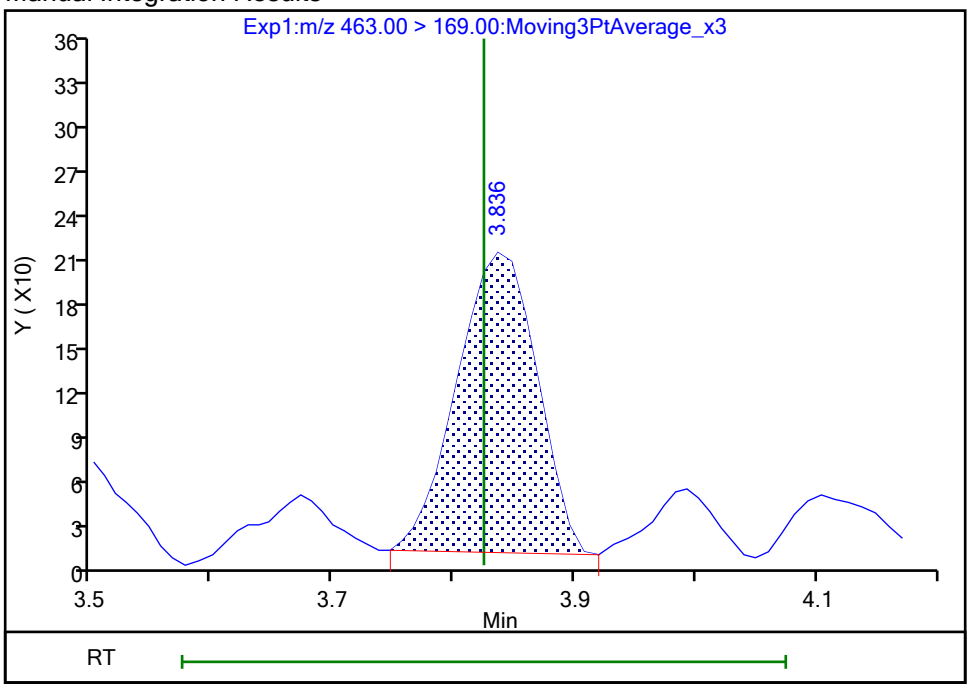
Not Detected
Expected RT: 3.82

Processing Integration Results



Manual Integration Results

RT: 3.84
Area: 921
Amount: 0.006799
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:11:12
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

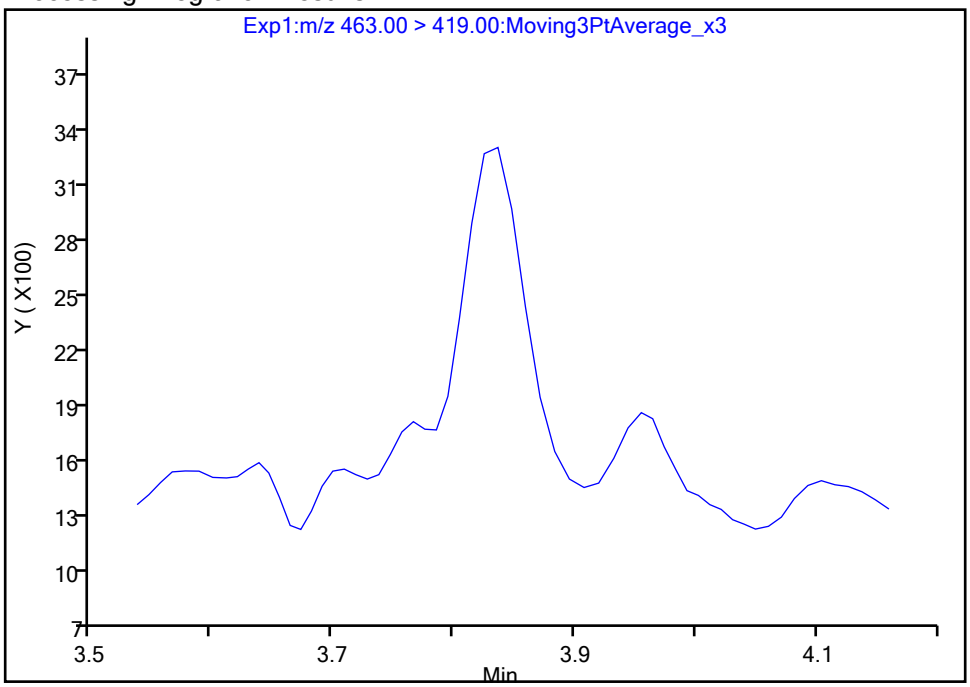
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B10.d				
Injection Date:	03-Mar-2021 20:12:45	Instrument ID:	LC812		
Lims ID:	480-181441-A-2-A	Lab Sample ID:	200-181441-2		
Client ID:	MW5S-022221				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

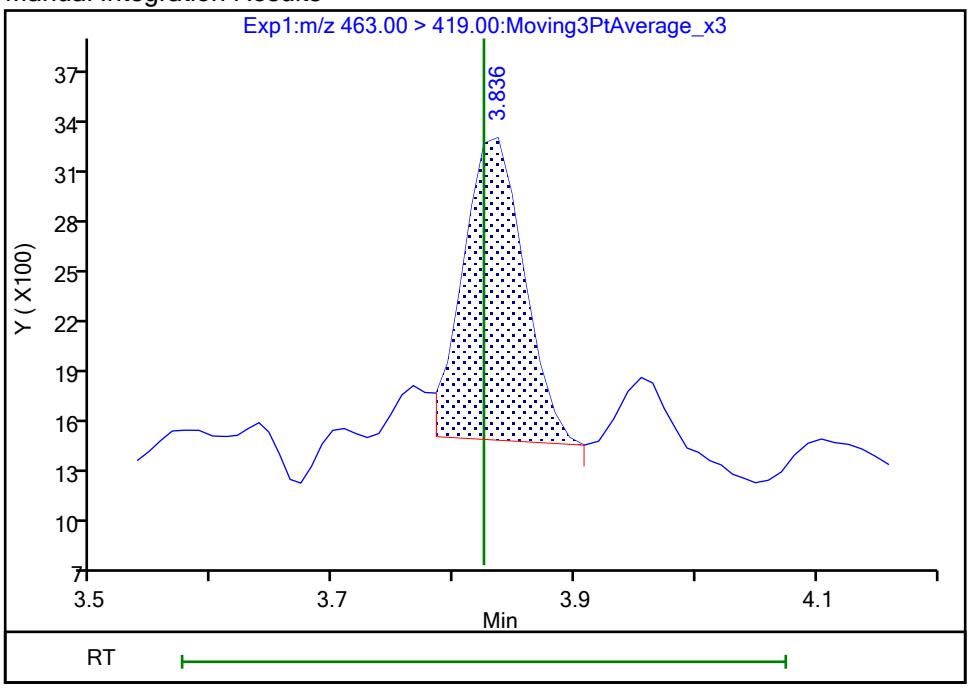
Not Detected
Expected RT: 3.82

Processing Integration Results



Manual Integration Results

RT: 3.84
Area: 6320
Amount: 0.006799
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:11:16
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

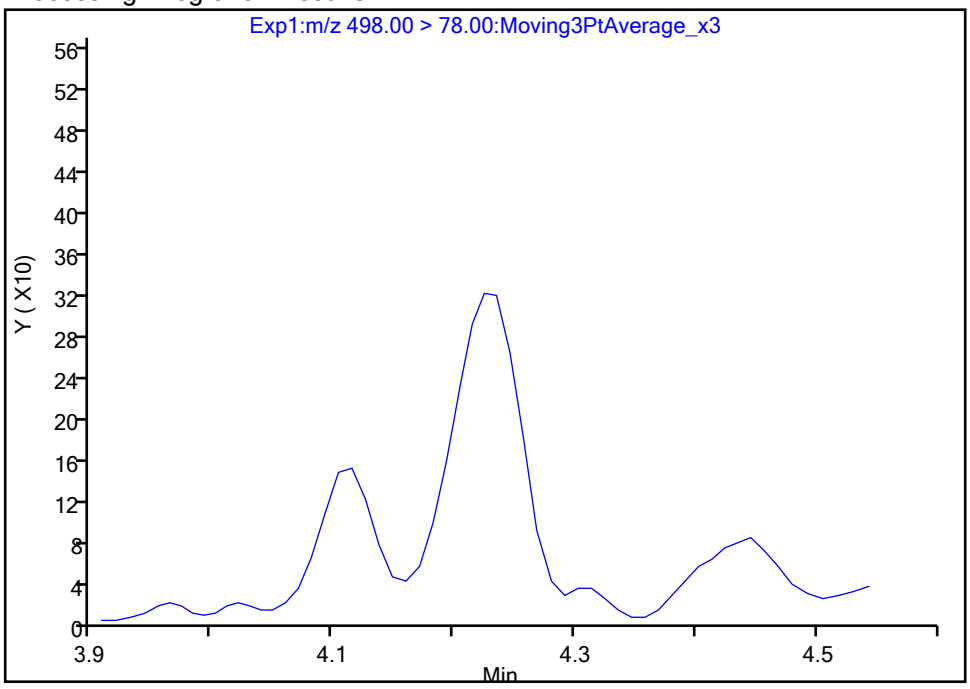
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B10.d				
Injection Date:	03-Mar-2021 20:12:45	Instrument ID:	LC812		
Lims ID:	480-181441-A-2-A	Lab Sample ID:	200-181441-2		
Client ID:	MW5S-022221				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

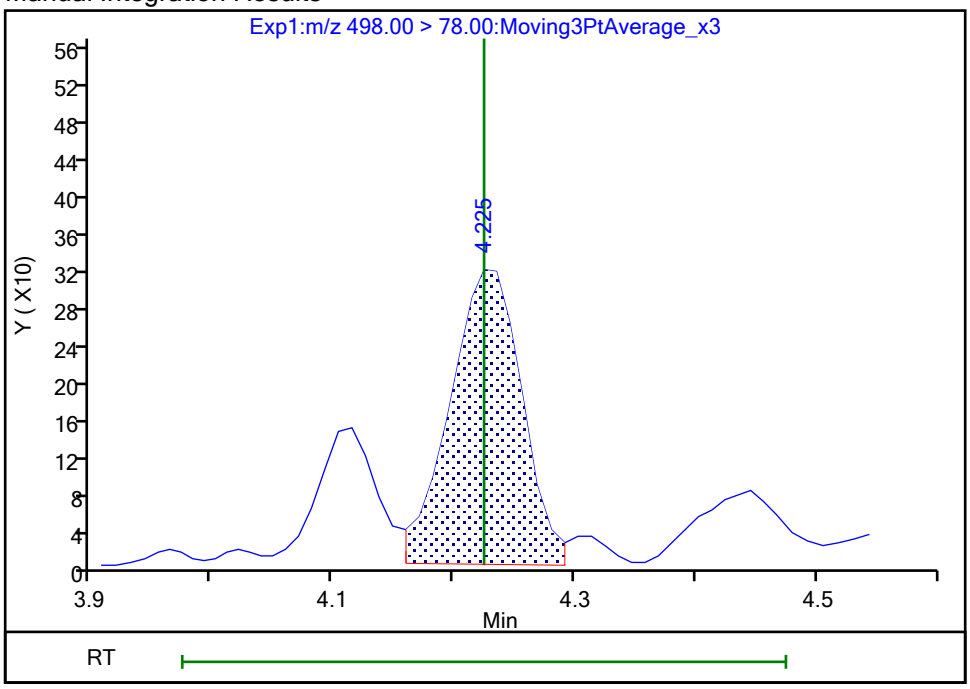
Not Detected
Expected RT: 4.22

Processing Integration Results



Manual Integration Results

RT: 4.22
Area: 1299
Amount: 0.001333
Amount Units: ng/ml



Reviewer: deannd, 04-Mar-2021 09:33:27
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

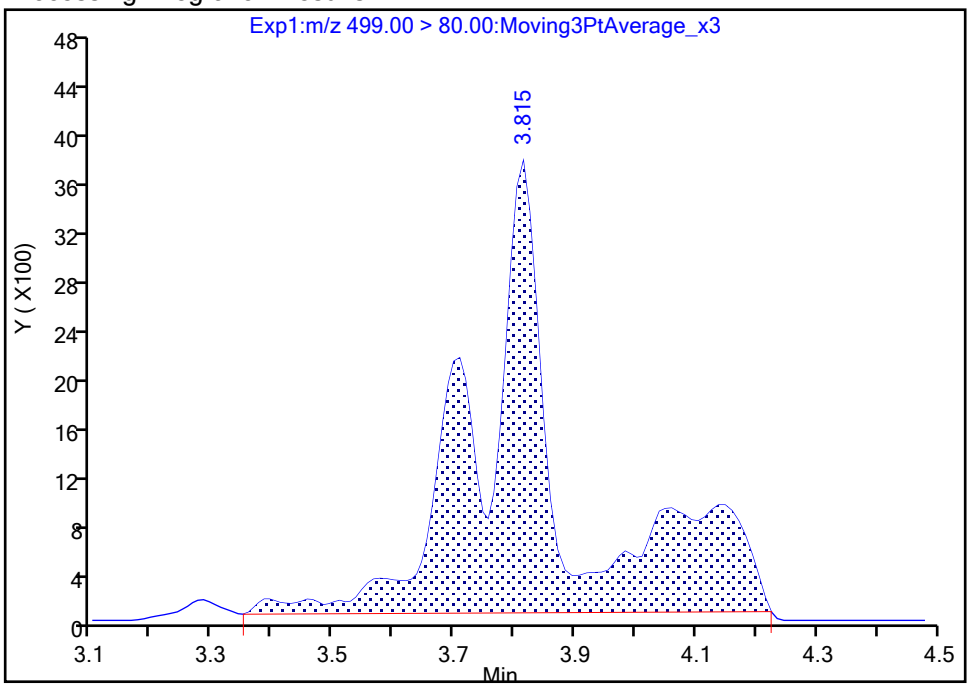
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B10.d				
Injection Date:	03-Mar-2021 20:12:45	Instrument ID:	LC812		
Lims ID:	480-181441-A-2-A	Lab Sample ID:	200-181441-2		
Client ID:	MW5S-022221				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

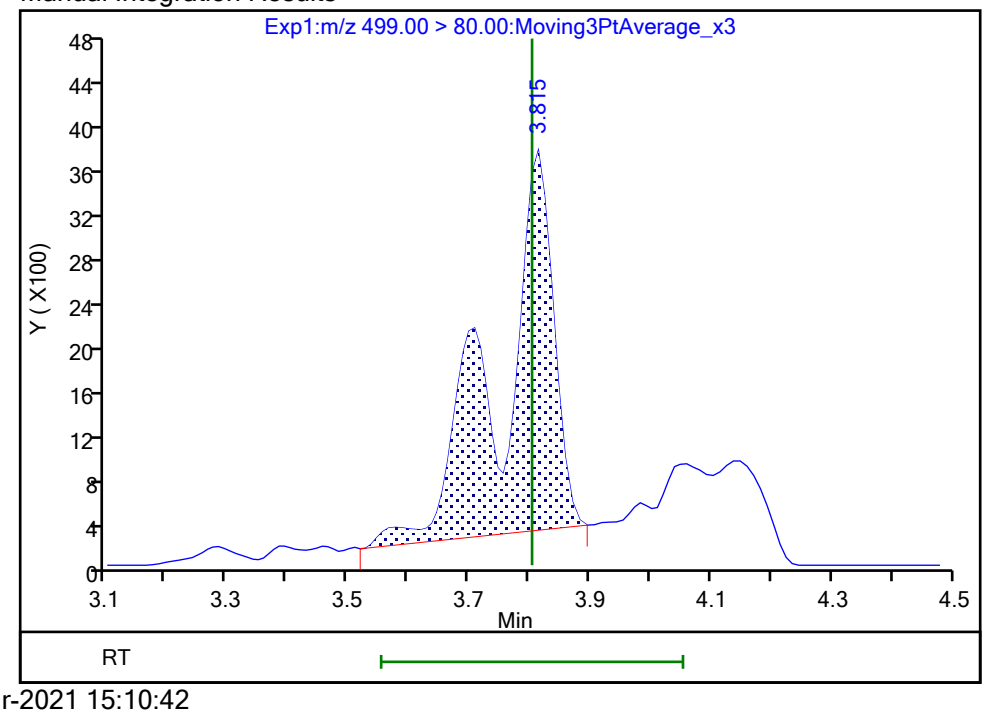
Processing Integration Results

RT: 3.81
Area: 38074
Amount: 0.051930
Amount Units: ng/ml



Manual Integration Results

RT: 3.81
Area: 21452
Amount: 0.029259
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:10:42

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

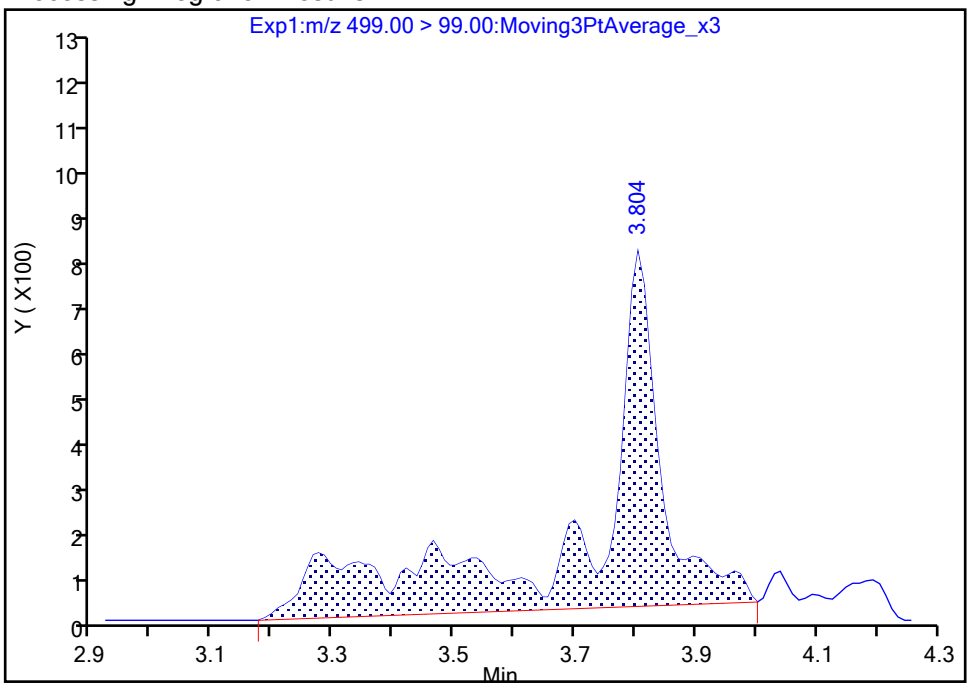
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B10.d				
Injection Date:	03-Mar-2021 20:12:45	Instrument ID:	LC812		
Lims ID:	480-181441-A-2-A	Lab Sample ID:	200-181441-2		
Client ID:	MW5S-022221				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

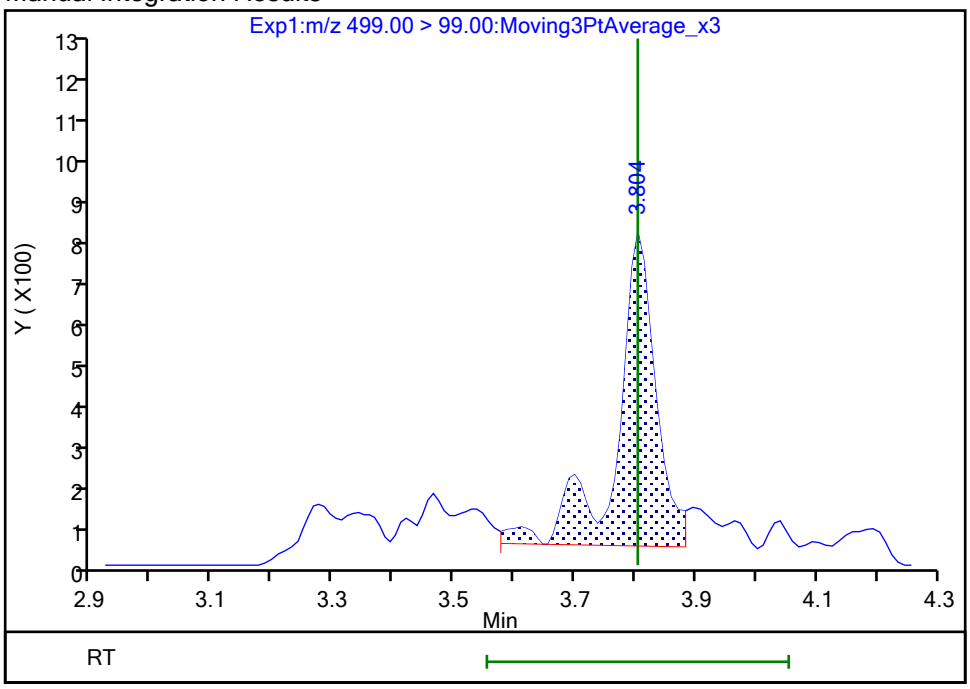
Processing Integration Results

RT: 3.80
Area: 6182
Amount: 0.051930
Amount Units: ng/ml



Manual Integration Results

RT: 3.80
Area: 3234
Amount: 0.029259
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:11:05
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

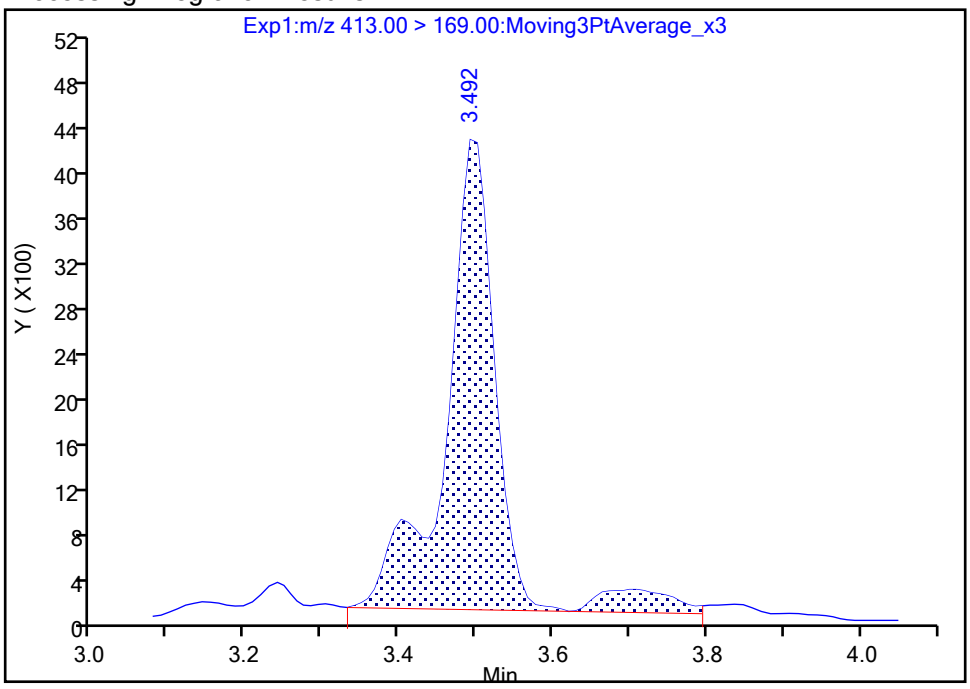
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B10.d				
Injection Date:	03-Mar-2021 20:12:45	Instrument ID:	LC812		
Lims ID:	480-181441-A-2-A	Lab Sample ID:	200-181441-2		
Client ID:	MW5S-022221				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

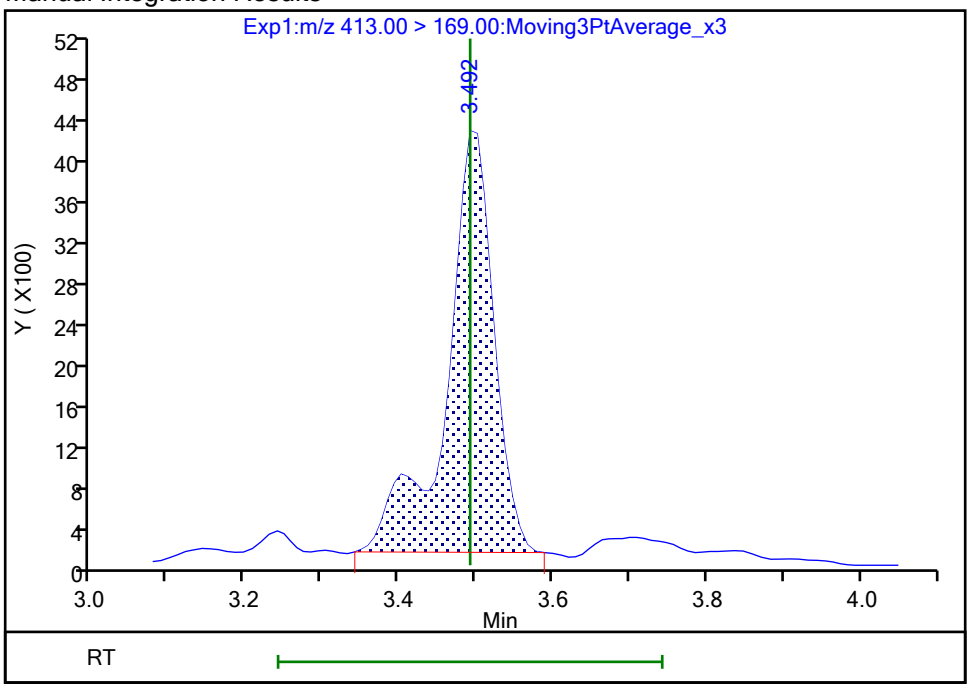
Processing Integration Results

RT: 3.49
Area: 19550
Amount: 0.035065
Amount Units: ng/ml



Manual Integration Results

RT: 3.49
Area: 17672
Amount: 0.035065
Amount Units: ng/ml



Reviewer: deannd, 04-Mar-2021 09:33:12

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

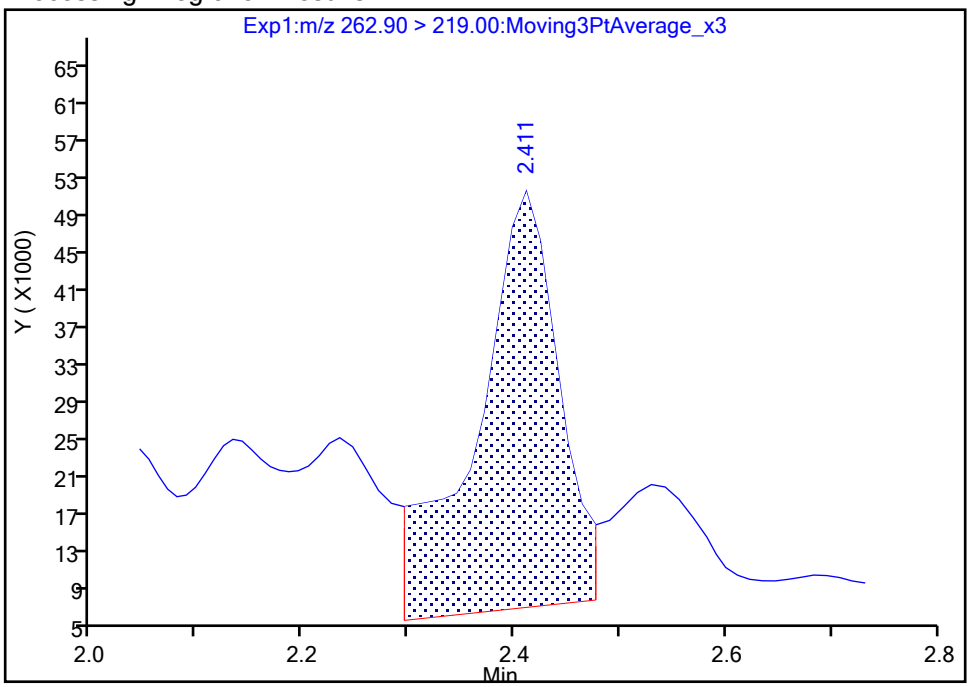
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B10.d				
Injection Date:	03-Mar-2021 20:12:45	Instrument ID:	LC812		
Lims ID:	480-181441-A-2-A	Lab Sample ID:	200-181441-2		
Client ID:	MW5S-022221				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

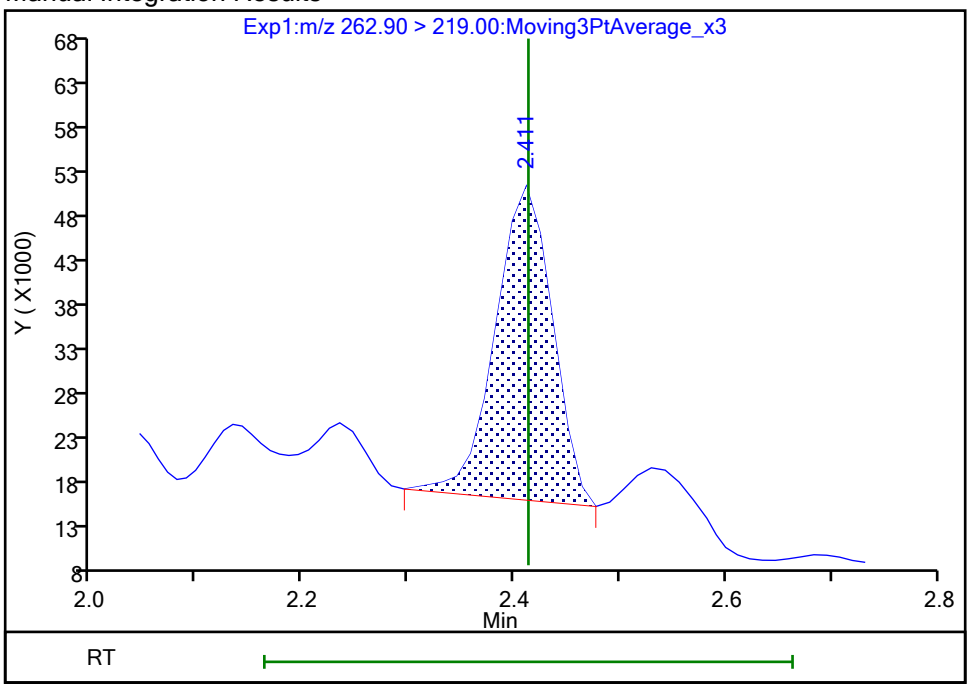
Processing Integration Results

RT: 2.41
Area: 240001
Amount: 0.230907
Amount Units: ng/ml



Manual Integration Results

RT: 2.41
Area: 130622
Amount: 0.125673
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:09:13
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

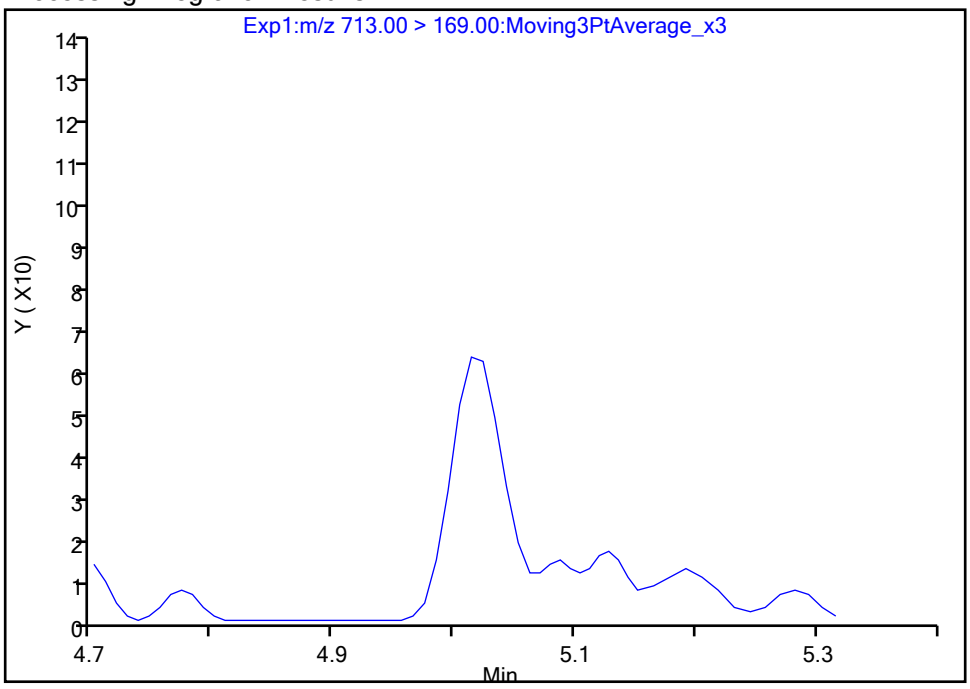
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B10.d				
Injection Date:	03-Mar-2021 20:12:45	Instrument ID:	LC812		
Lims ID:	480-181441-A-2-A	Lab Sample ID:	200-181441-2		
Client ID:	MW5S-022221				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

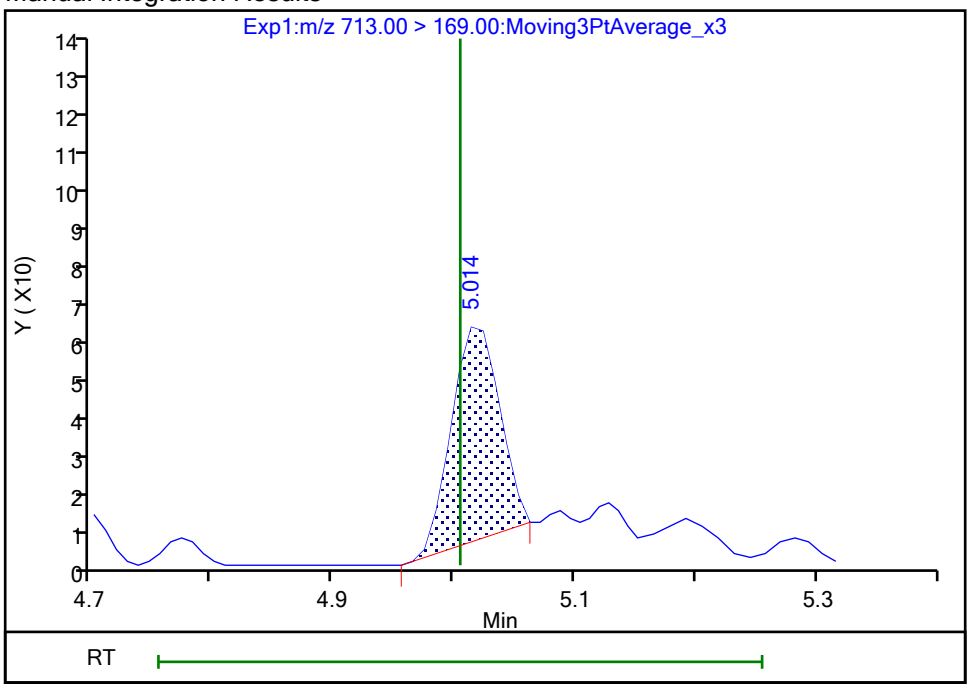
Not Detected
Expected RT: 5.00

Processing Integration Results



Manual Integration Results

RT: 5.01
Area: 151
Amount: 0.001888
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:12:10
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

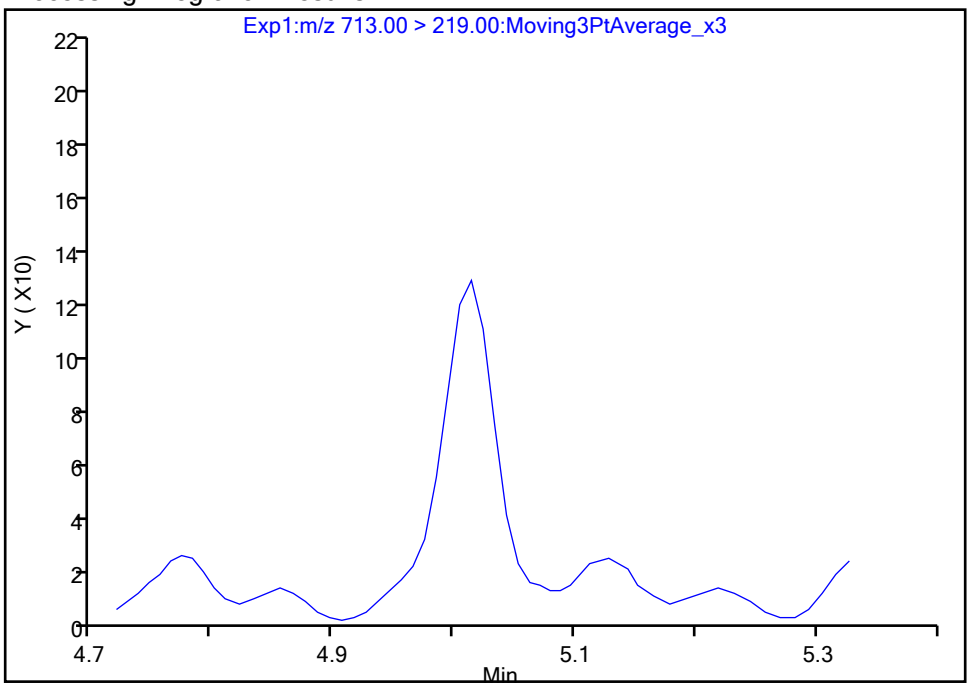
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B10.d				
Injection Date:	03-Mar-2021 20:12:45	Instrument ID:	LC812		
Lims ID:	480-181441-A-2-A	Lab Sample ID:	200-181441-2		
Client ID:	MW5S-022221				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

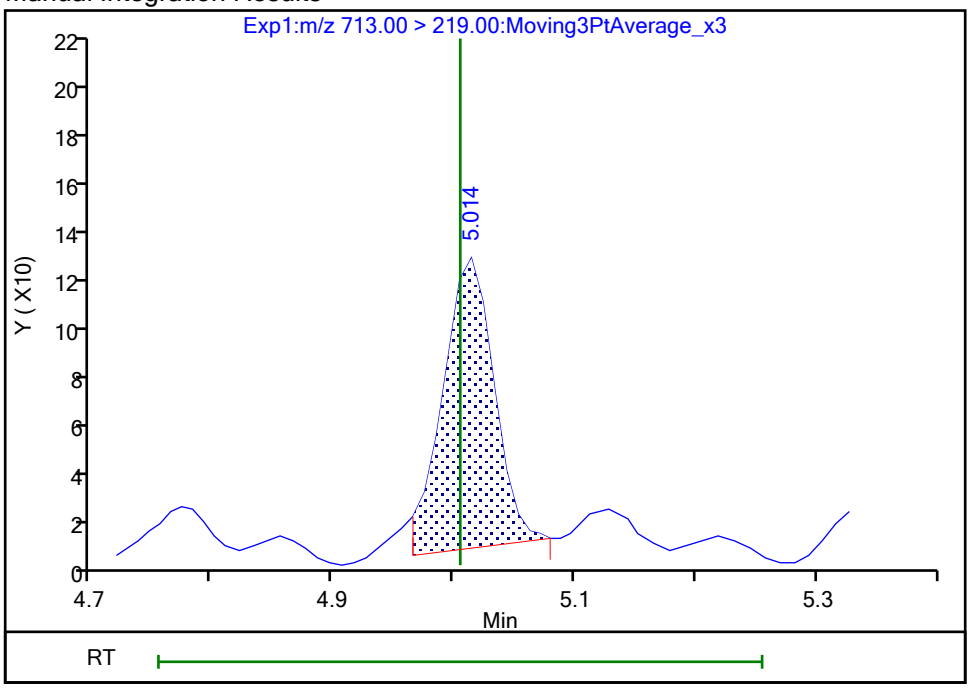
Not Detected
Expected RT: 5.00

Processing Integration Results



Manual Integration Results

RT: 5.01
Area: 349
Amount: 0.001888
Amount Units: ng/ml



Reviewer: deannd, 04-Mar-2021 09:34:41
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Client Sample ID: MW-5D-022221 Lab Sample ID: 480-181441-3

Matrix: Water Lab File ID: PA210303B11.d

Analysis Method: 537 (modified) Date Collected: 02/22/2021 10:50

Extraction Method: 3535 Date Extracted: 03/03/2021 08:24

Sample wt/vol: 276.5(mL) Date Analyzed: 03/03/2021 20:21

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 164492 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
39108-34-4	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.8	0.60
27619-97-2	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.5	0.65
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.5	0.84
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.5	0.71
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		1.8	0.57
375-22-4	Perfluorobutanoic acid (PFBA)	ND		4.5	1.0
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.43
335-76-2	Perfluorodecanoic acid (PFDA)	ND		1.8	0.42
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		1.8	0.42
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8	0.35
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		1.8	0.42
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.61
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		1.8	0.75
375-95-1	Perfluorononanoic acid (PFNA)	ND		1.8	0.52
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.52
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		1.8	0.79
335-67-1	Perfluorooctanoic acid (PFOA)	ND		1.8	0.89
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		1.8	0.98
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		1.8	0.53
72629-94-8	Perfluorotridecanoic acid (PFTriA)	ND		1.8	0.39
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.66

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Client Sample ID: MW-5D-022221 Lab Sample ID: 480-181441-3

Matrix: Water Lab File ID: PA210303B11.d

Analysis Method: 537 (modified) Date Collected: 02/22/2021 10:50

Extraction Method: 3535 Date Extracted: 03/03/2021 08:24

Sample wt/vol: 276.5(mL) Date Analyzed: 03/03/2021 20:21

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 164492 Units: ng/L

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00996	13C2 PFDA	78		50-150
STL00998	13C2 PFDoA	60		50-150
STL00993	13C2 PFHxA	110		50-150
STL02116	13C2 PFTeDA	63		50-150
STL00997	13C2 PFUnA	65		50-150
STL02337	13C3 PFBS	106		50-150
STL00992	13C4 PFBA	89		25-150
STL01892	13C4 PFHpA	107		50-150
STL00990	13C4 PFOA	104		50-150
STL00991	13C4 PFOS	86		50-150
STL00995	13C5 PFNA	94		50-150
STL01893	13C5 PFPeA	105		25-150
STL01056	13C8 FOSA	91		25-150
STL00994	18O2 PFHxS	104		50-150
STL02118	d3-NMeFOSAA	63		50-150
STL02117	d5-NEtFOSAA	69		50-150
STL02279	M2-6:2 FTS	106		25-150
STL02280	M2-8:2 FTS	81		25-150

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B11.d
Lims ID: 480-181441-A-3-A
Client ID: MW-5D-022221
Sample Type: Client
Inject. Date: 03-Mar-2021 20:21:02 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: 480-181441-A-3-A
Misc. Info.: 200-0045034-011 Plate: 1 Rack: 2
Operator ID: lc812tech Instrument ID: LC812

Method: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 04-Mar-2021 11:30:53 Calib Date: 22-Dec-2020 13:29:37
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1647

First Level Reviewer: khanphomeea Date: 04-Mar-2021 15:14:57
Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.082	2.091	-0.009	0.596	1388434	1.11		89.2	10018	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.091	2.091	0.0	1.004	5360	0.004816			1.6	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.413	2.413	0.0	0.691	1180594	1.31		105	3318	
D 47 13C3 PFBS										M
301.90 > 80.00	2.426	2.439	-0.013	0.695	1453439	1.23		106	285159	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.426	2.439	-0.013	1.000	2473	0.001748	Target=2.21		3.7	
298.90 > 99.00	2.426	2.439	-0.013	1.000	1446		1.71(1.11-3.32)		1.0	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.770	2.770	0.0	0.793	1299678	1.38		110	2583	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.132	3.132	0.0	1.000	4463	0.004118	Target=4.15		15.1	M
399.00 > 99.00	3.132	3.132	0.0	1.000	1346		3.32(2.08-6.23)		1.4	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.132	3.132	0.0	0.897	1087447	1.23		104	2728	
D 9 13C4 PFHpA										
367.00 > 322.00	3.143	3.143	0.0	0.900	1213369	1.34		107	2231	
D 12 M2-6:2 FTS										
429.00 > 81.00	3.483	3.483	0.0	0.997	138575	1.26		106	532	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.492	3.483	0.009	1.003	919	0.007080			19.5	M
D 14 13C4 PFOA										
417.00 > 372.00	3.492	3.492	0.0	1.000	1197322	1.31		104	2718	
* 62 13C2 PFOA										
415.00 > 370.00	3.492	3.492	0.0		1158907	1.25			3889	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.519	3.492	0.027	1.008	3097	0.002983	Target=2.58		0.6	M
413.00 > 169.00	3.492	3.492	0.0	1.000	962		3.22(1.29-3.87)		3.9	M
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.699	3.804	-0.105	0.970	3623	0.006048	Target=5.65		1.5	M
499.00 > 99.00	3.814	3.804	0.010	1.000	918		3.95(2.82-8.47)		2.1	M
D 18 13C4 PFOS										
503.00 > 80.00	3.814	3.804	0.010	1.092	622433	1.03		86.1	1912	
D 19 13C5 PFNA										
468.00 > 423.00	3.825	3.825	0.0	1.095	946579	1.17		93.6	3297	
D 23 13C2 PFDA										
515.00 > 470.00	4.126	4.126	0.0	1.182	750160	0.9694		77.6	3118	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.137	4.137	0.0	1.185	110025	0.9689		80.9	616	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.126	4.137	-0.011	0.997	47	0.000752			1.6	M
D 21 13C8 FOSA										
506.00 > 78.00	4.225	4.225	0.0	1.210	1298265	1.14		91.3	3319	
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.225	4.225	0.0	1.000	678	0.000651			6.6	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.268	4.268	0.0	1.222	44528	0.7934		63.5	635	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.257	4.268	-0.011	0.997	43	0.001362			0.8	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.391	4.391	0.0	1.257	516503	0.8126		65.0	2163	
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.402	4.402	0.0	1.261	46627	0.8594		68.8	621	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.358	4.402	-0.044	0.990	118	0.003417			2.6	M
D 36 13C2 PFDoA										
615.00 > 570.00	4.612	4.612	0.0	1.321	499465	0.7443		59.5	2516	
D 43 13C2 PFTeDA										
715.00 > 670.00	5.015	5.005	0.010	1.436	388328	0.7825		62.6	3362	
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.005	5.005	0.0	0.998	129	0.002239	Target=1.06		7.2	M
713.00 > 219.00	5.005	5.005	0.0	0.998	99		1.30(0.53-1.59)		4.7	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Report Date: 04-Mar-2021 11:31:10 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B11.d

Injection Date: 03-Mar-2021 20:21:02 Instrument ID: LC812

Lims ID: 480-181441-A-3-A Lab Sample ID: 200-181441-3

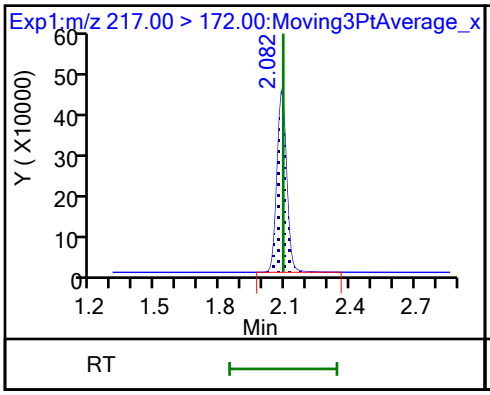
Client ID: MW-5D-022221

Operator ID: lc812tech ALS Bottle#: 11 Worklist Smp#: 11

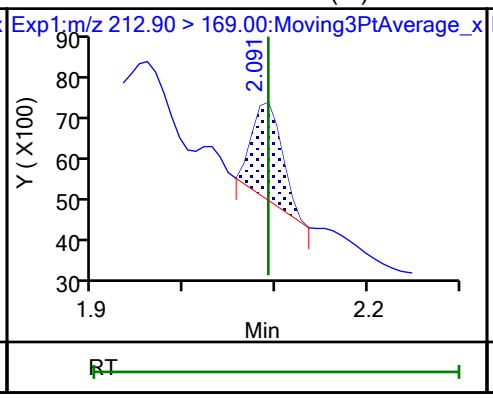
Injection Vol: 20.0 ul Dil. Factor: 1.0000

Method: PFC_LC812 Limit Group: LC_PFC_ICAL

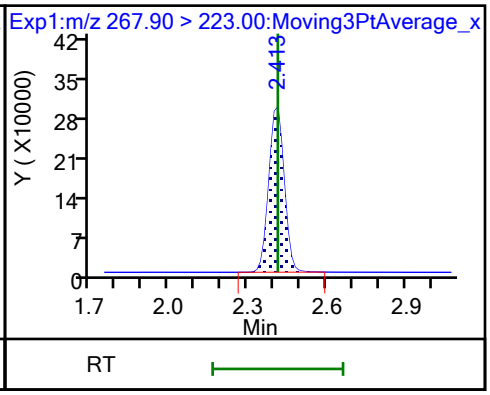
D 1 13C4 PFBA



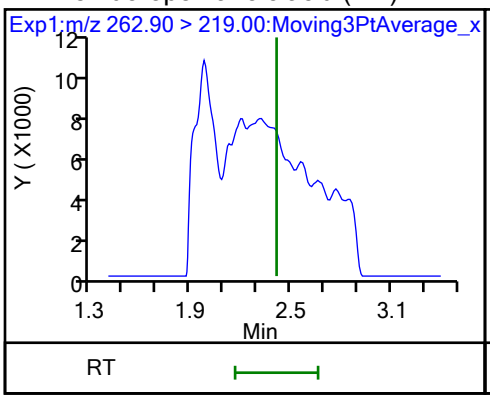
2 Perfluorobutanoic acid (M)



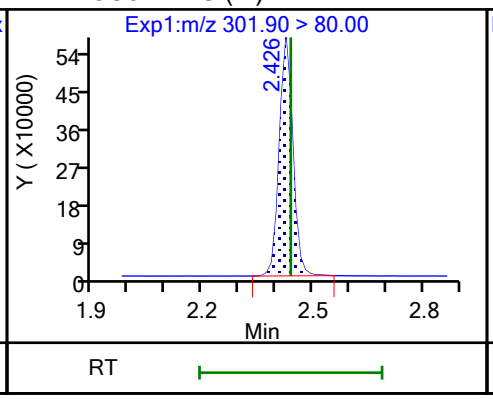
D 3 13C5 PFPeA



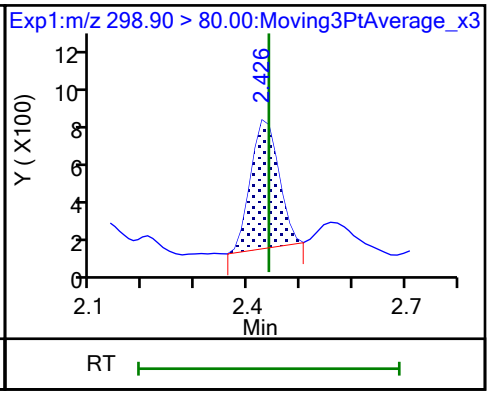
4 Perfluoropentanoic acid (ND)



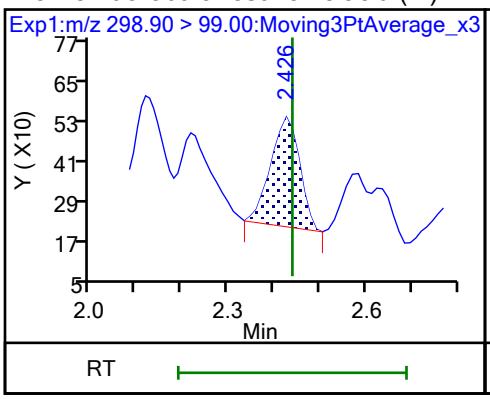
D 47 13C3 PFBS (M)



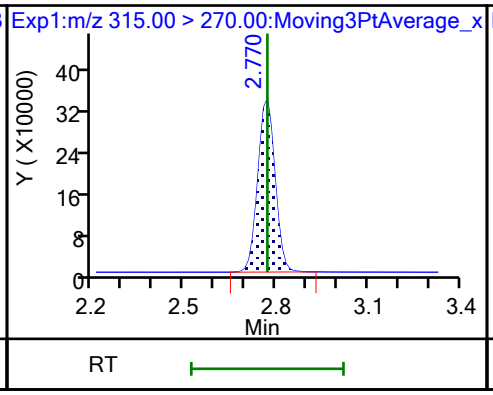
5 Perfluorobutanesulfonic acid



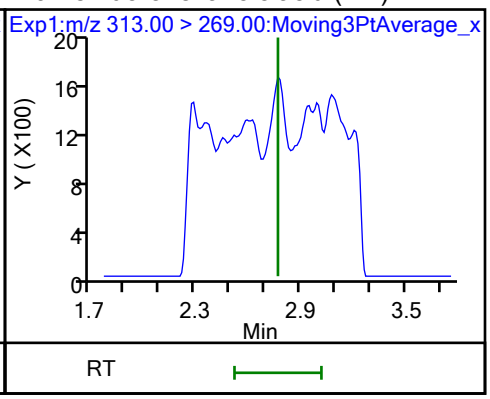
5 Perfluorobutanesulfonic acid (M)



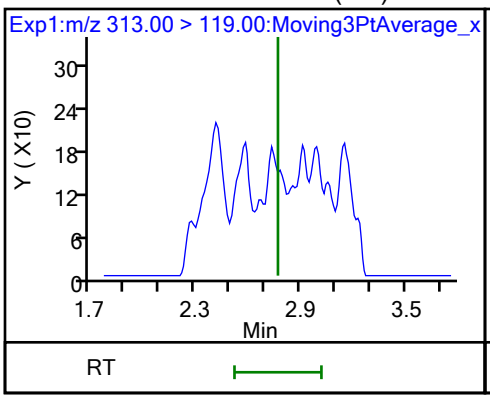
D 7 13C2 PFHxA



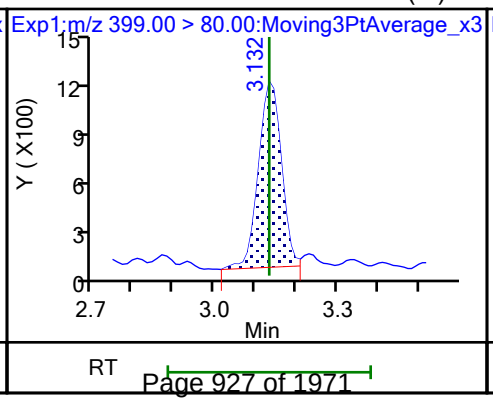
6 Perfluorohexanoic acid (ND)



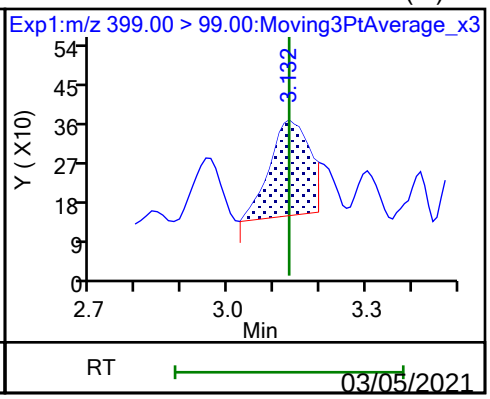
6 Perfluorohexanoic acid (ND)



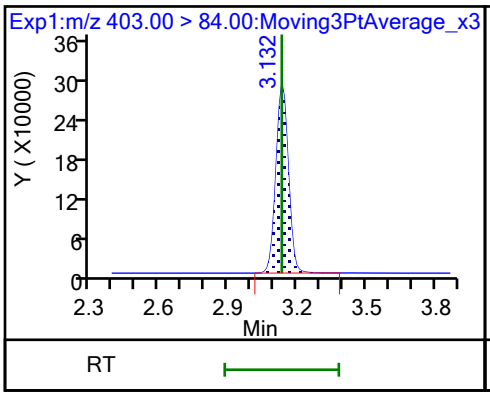
8 Perfluorohexanesulfonic acid (M)



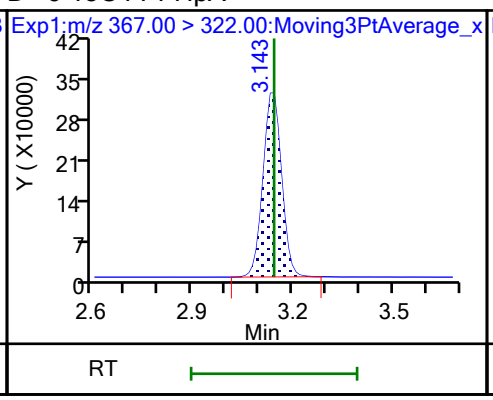
8 Perfluorohexanesulfonic acid (M)



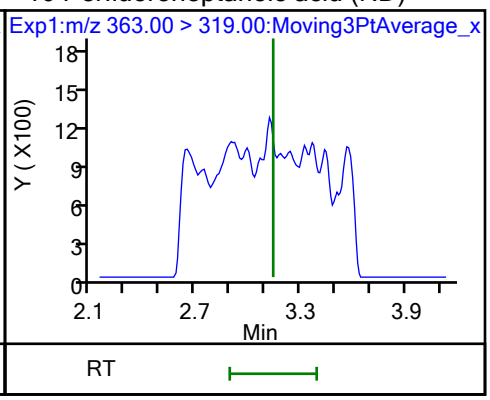
D 11 18O2 PFHxS



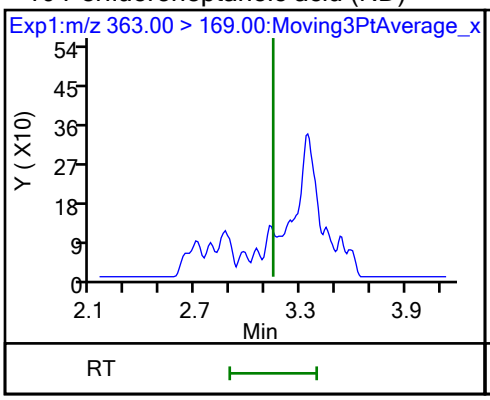
D 9 13C4 PFHpA



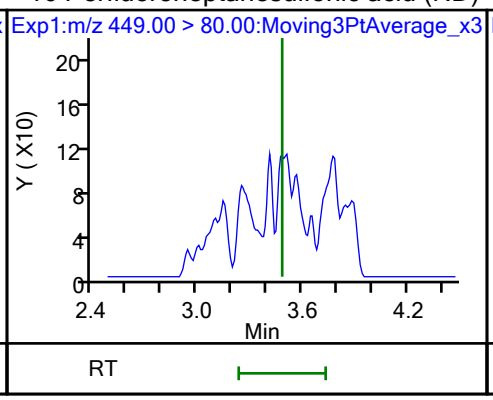
10 Perfluoroheptanoic acid (ND)



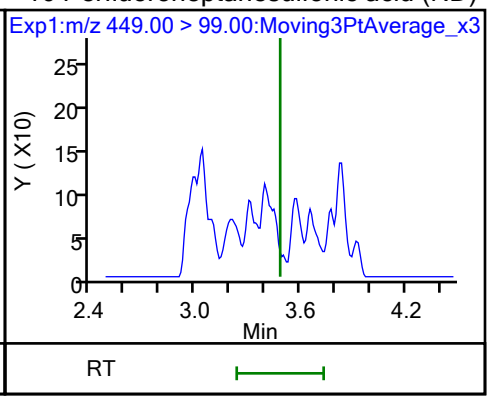
10 Perfluoroheptanoic acid (ND)



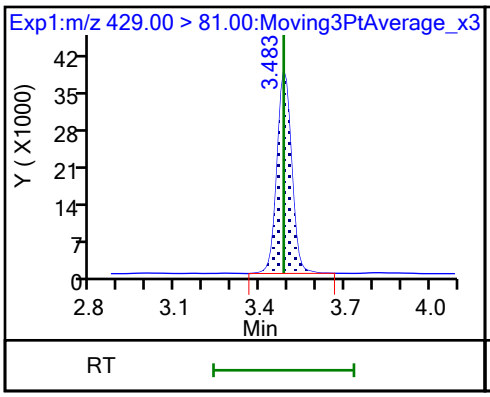
16 Perfluoroheptanesulfonic acid (ND)



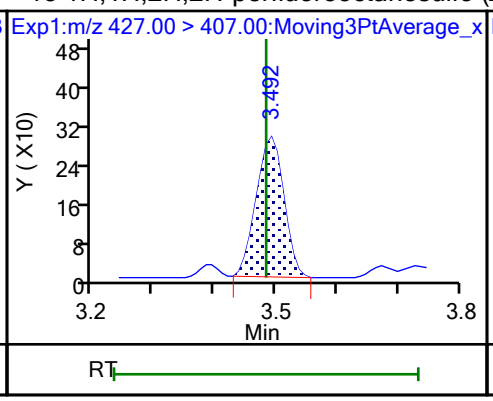
16 Perfluoroheptanesulfonic acid (ND)



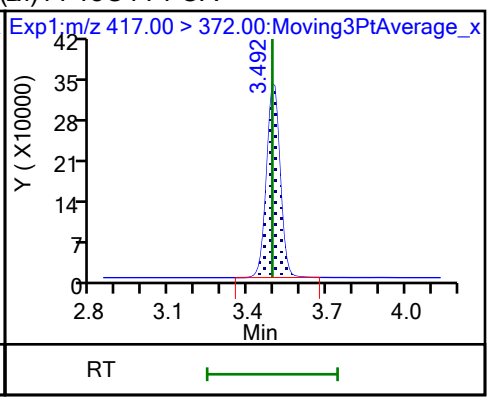
D 12 M2-6:2 FTS



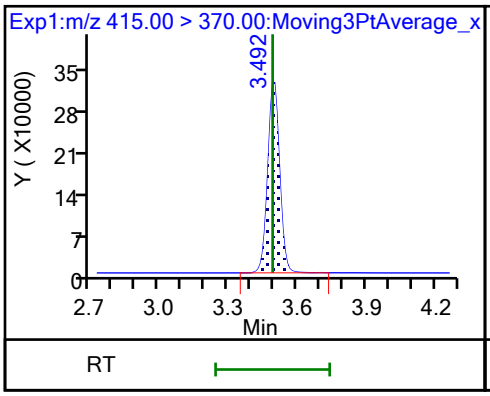
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



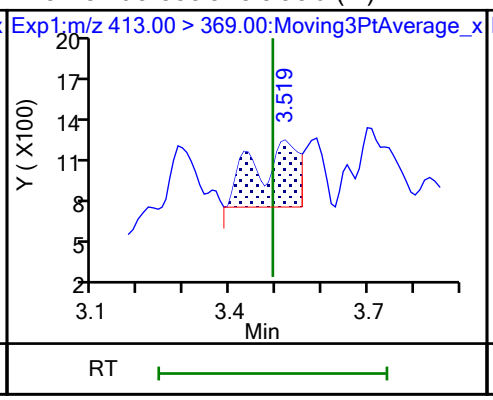
14 13C4 PFOA



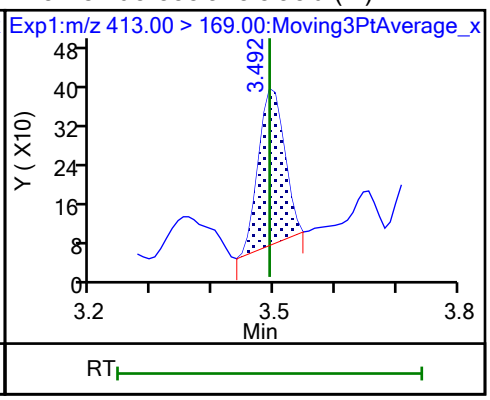
* 62 13C2 PFOA



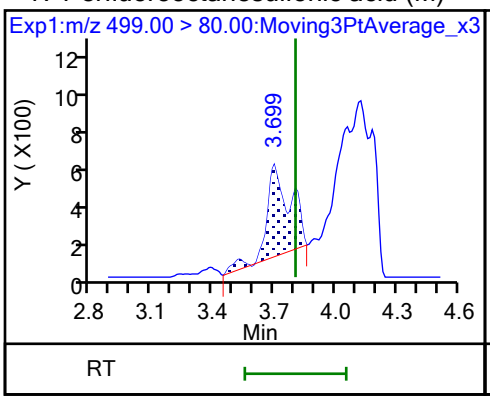
15 Perfluorooctanoic acid (M)



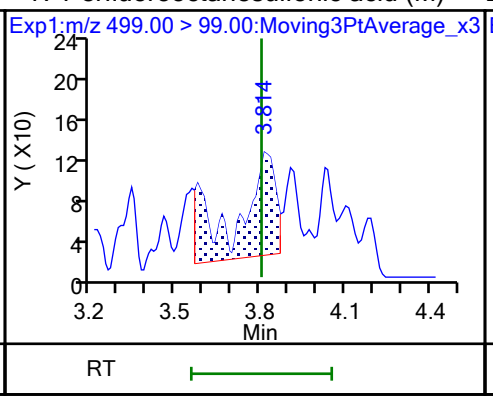
15 Perfluorooctanoic acid (M)



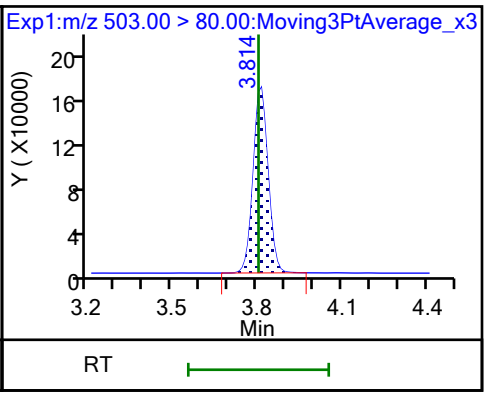
17 Perfluorooctanesulfonic acid (M)



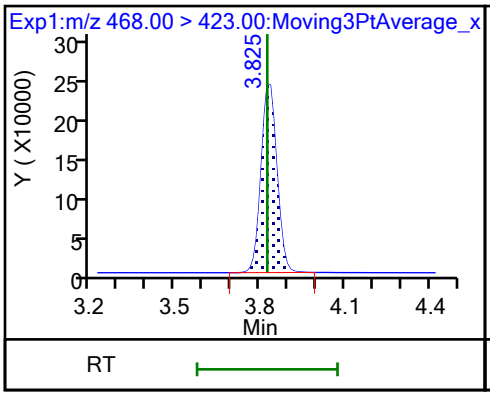
17 Perfluorooctanesulfonic acid (M)



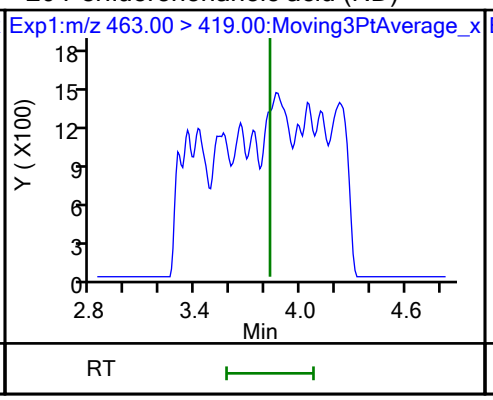
D 18 13C4 PFOS



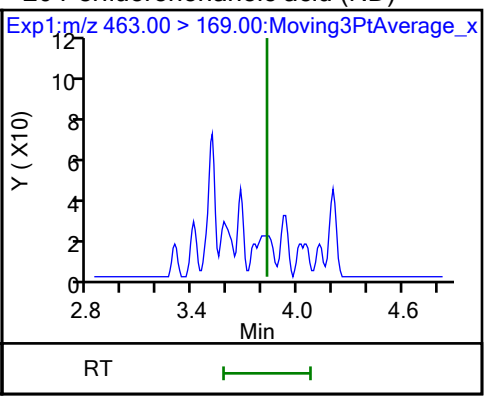
D 19 13C5 PFNA



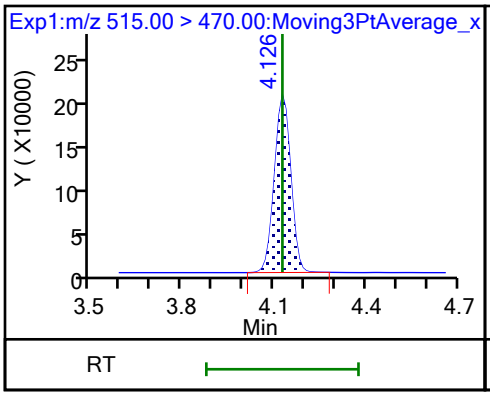
20 Perfluorononanoic acid (ND)



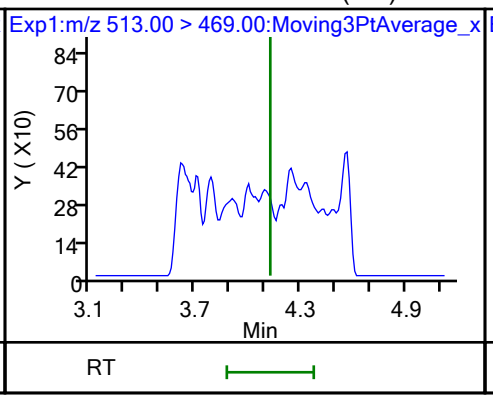
20 Perfluorononanoic acid (ND)



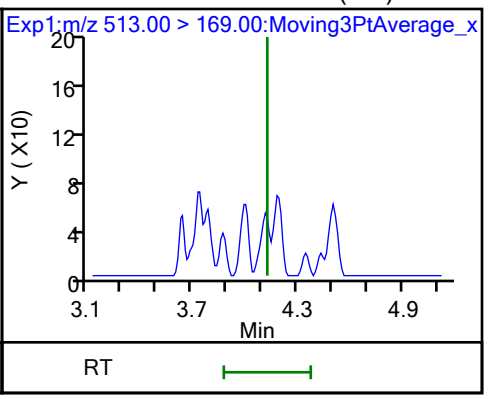
D 23 13C2 PFDA



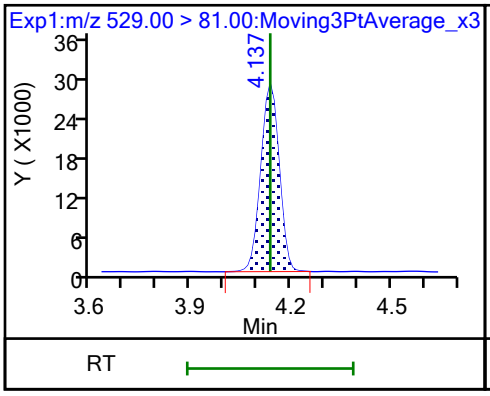
24 Perfluorodecanoic acid (ND)



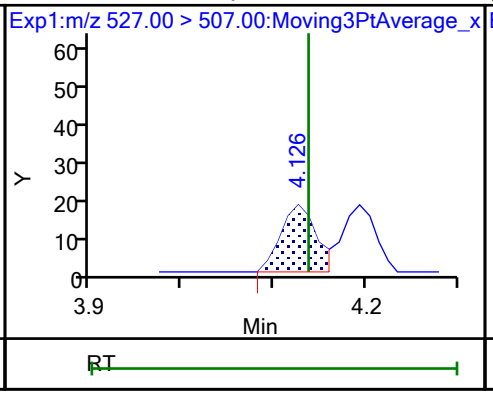
24 Perfluorodecanoic acid (ND)



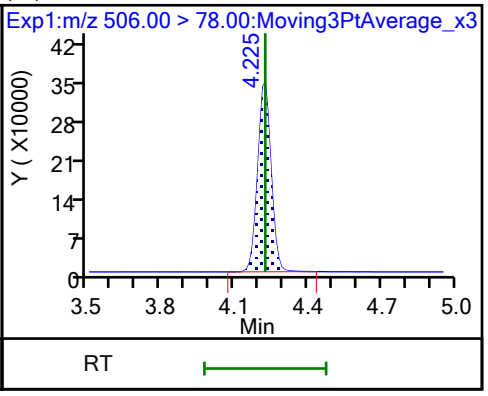
D 26 M2-8:2 FTS



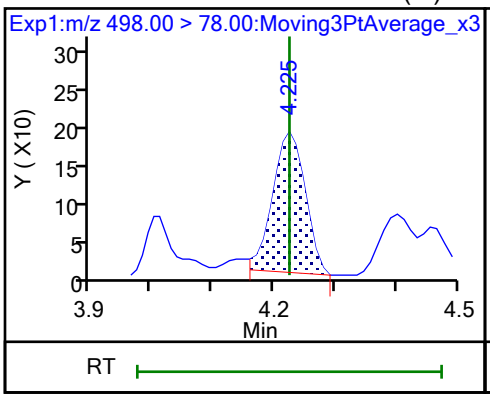
25 1H,1H,2H,2H-perfluorodecanesulfo (M)



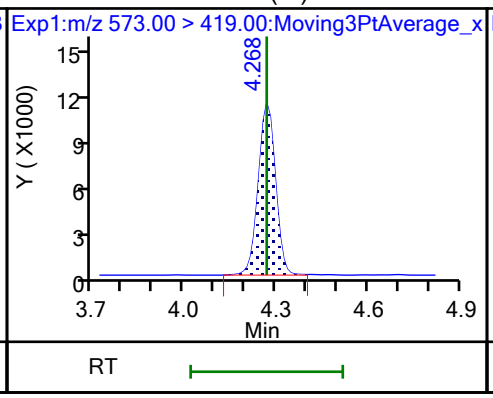
D 21 13C8 FOSA



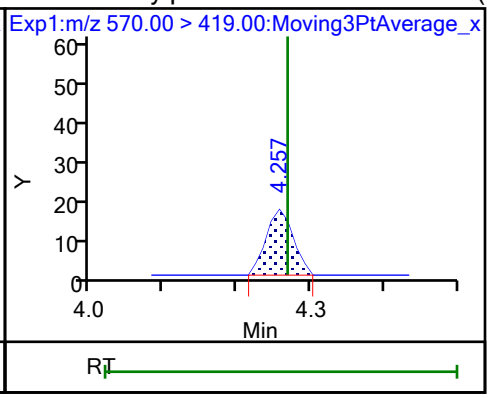
22 Perfluorooctanesulfonamide (M)



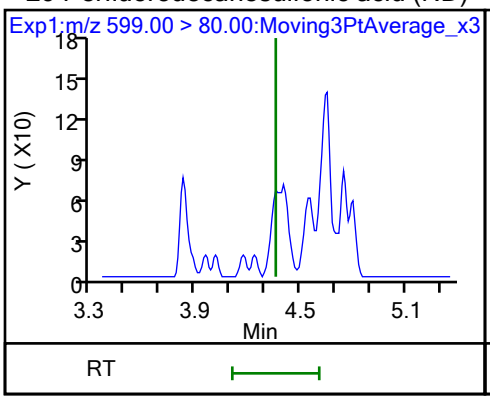
D 27 d3-NMeFOSAA (M)



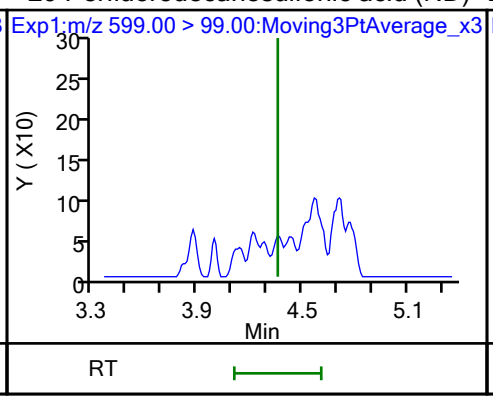
28 N-methylperfluorooctanesulfonami (M)



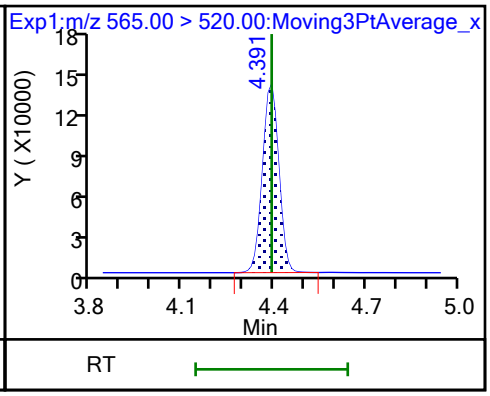
29 Perfluorodecanesulfonic acid (ND)



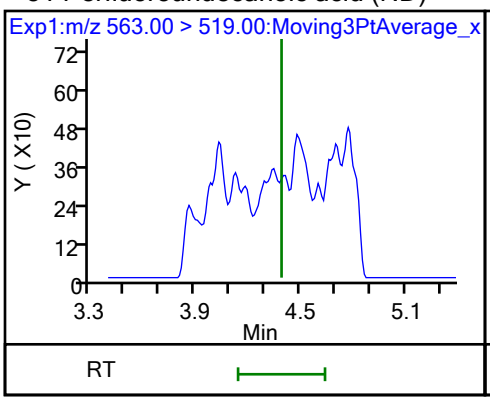
29 Perfluorodecanesulfonic acid (ND)



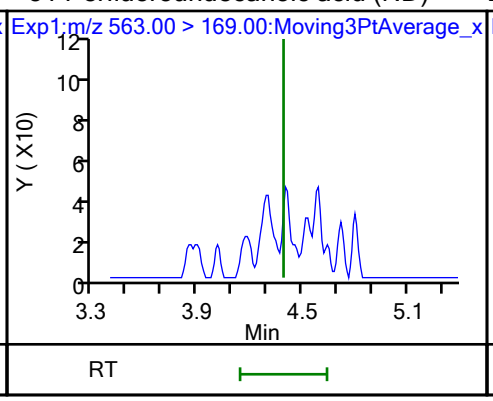
D 30 13C2 PFUnA



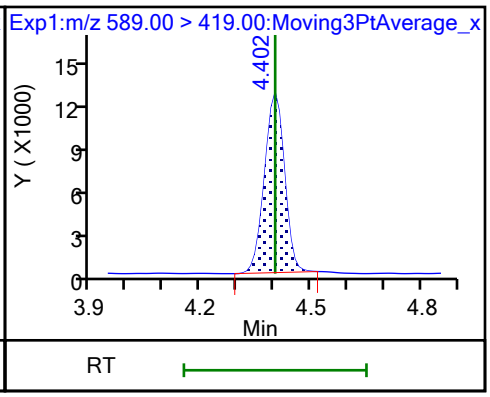
31 Perfluoroundecanoic acid (ND)



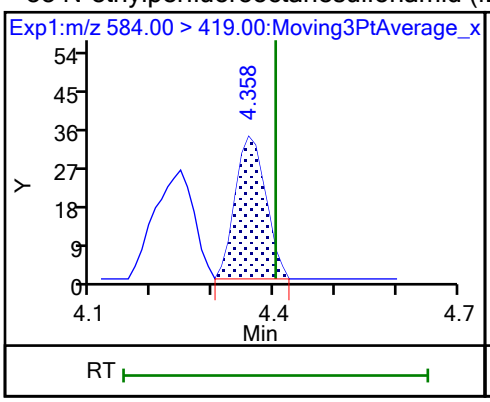
31 Perfluoroundecanoic acid (ND)



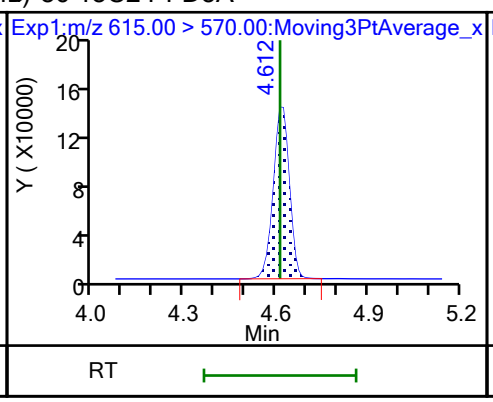
D 32 d5-NEtFOSAA



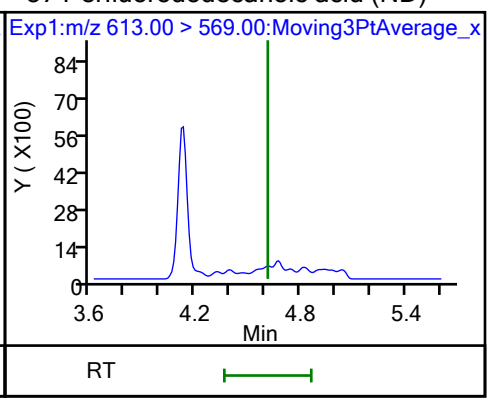
33 N-ethylperfluorooctanesulfonamid (ND)



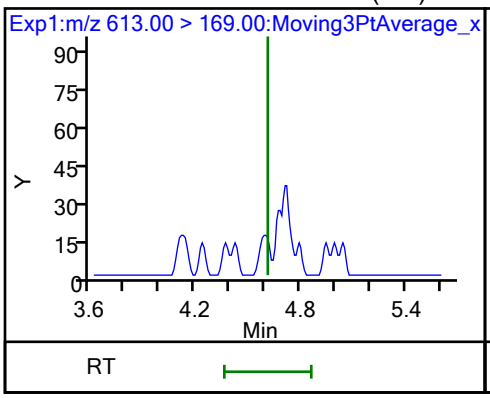
D 36 13C2 PFDoA



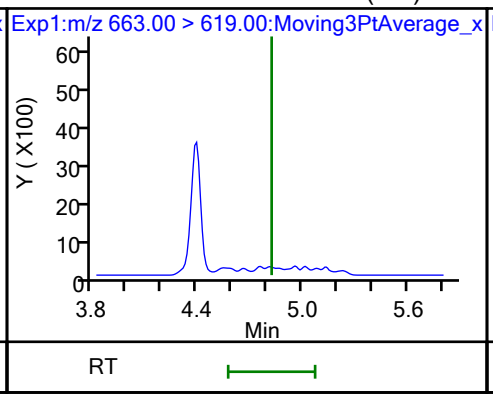
37 Perfluorododecanoic acid (ND)



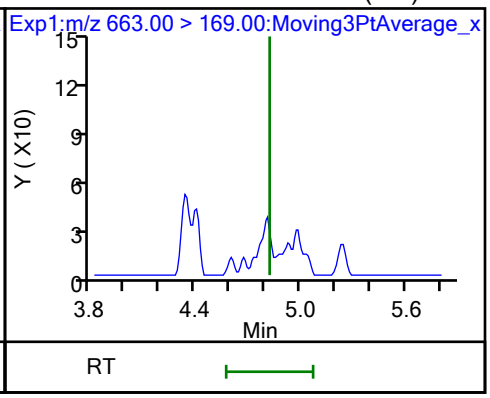
37 Perfluorododecanoic acid (ND)



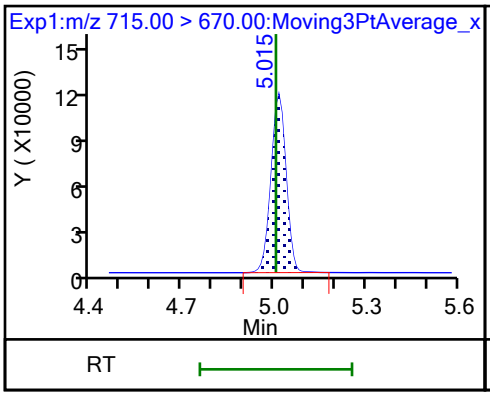
41 Perfluorotridecanoic acid (ND)



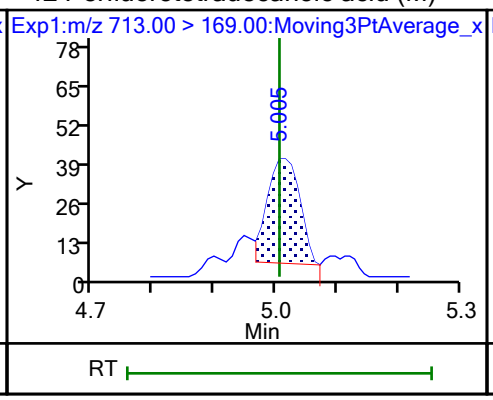
41 Perfluorotridecanoic acid (ND)



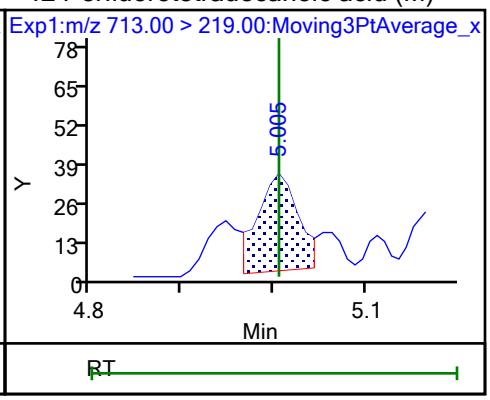
D 43 13C2 PFTeDA



42 Perfluorotetradecanoic acid (M)



42 Perfluorotetradecanoic acid (M)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

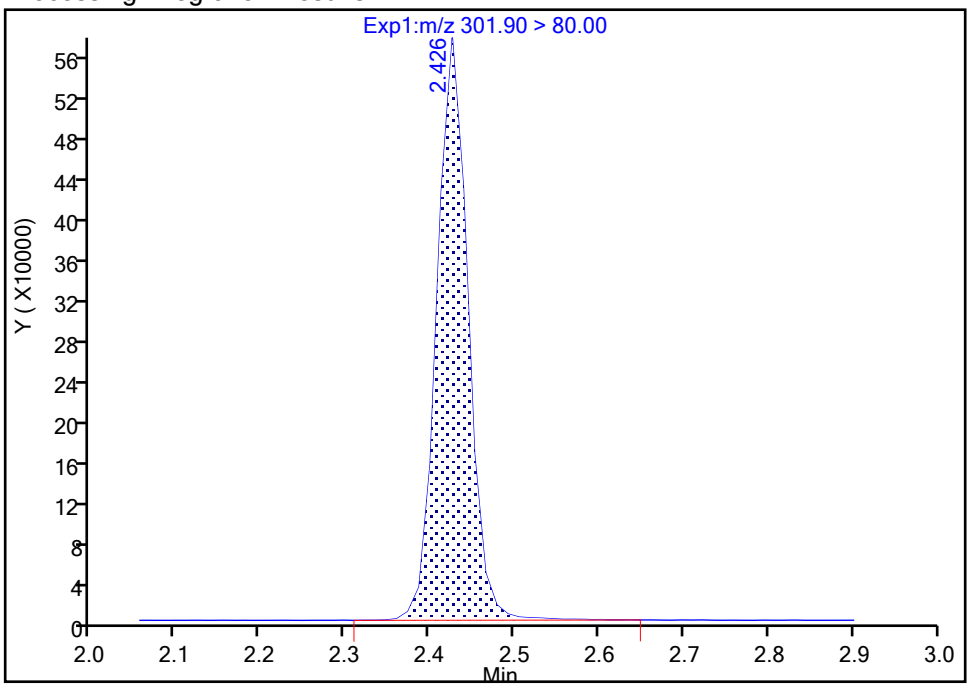
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Injection Date:	03-Mar-2021 20:21:02	Instrument ID:	LC812		
Lims ID:	480-181441-A-3-A	Lab Sample ID:	200-181441-3		
Client ID:	MW-5D-022221				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

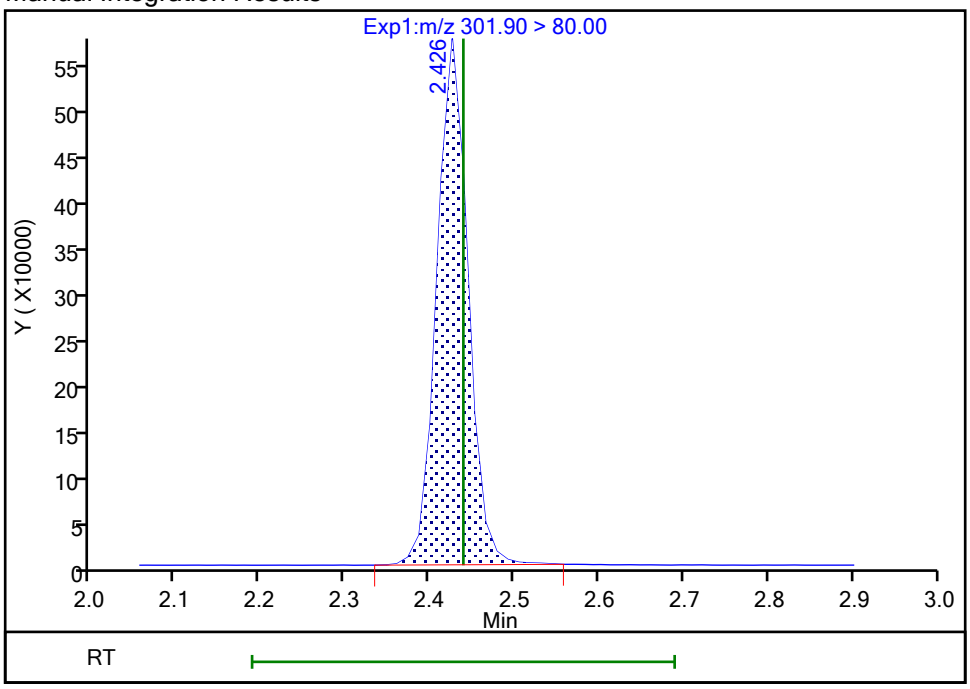
Processing Integration Results

RT: 2.43
Area: 1460685
Amount: 1.232999
Amount Units: ng/ml



Manual Integration Results

RT: 2.43
Area: 1453439
Amount: 1.226882
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:12:29

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

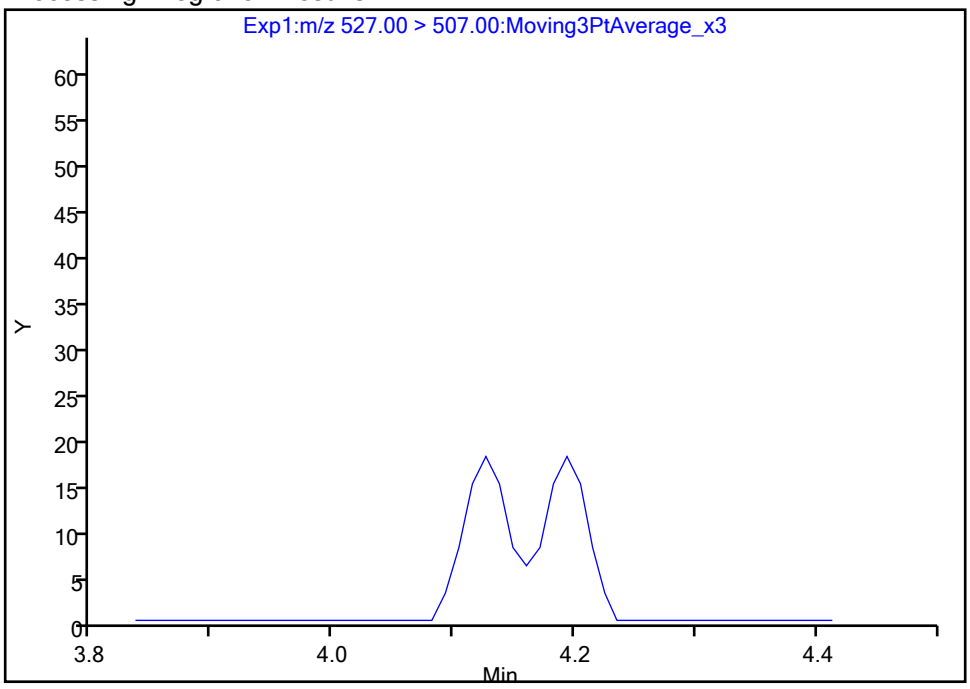
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Injection Date:	03-Mar-2021 20:21:02	Instrument ID:	LC812		
Lims ID:	480-181441-A-3-A	Lab Sample ID:	200-181441-3		
Client ID:	MW-5D-022221				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

25 1H,1H,2H,2H-perfluorodecanesulfo, CAS: 39108-34-4

Signal: 1

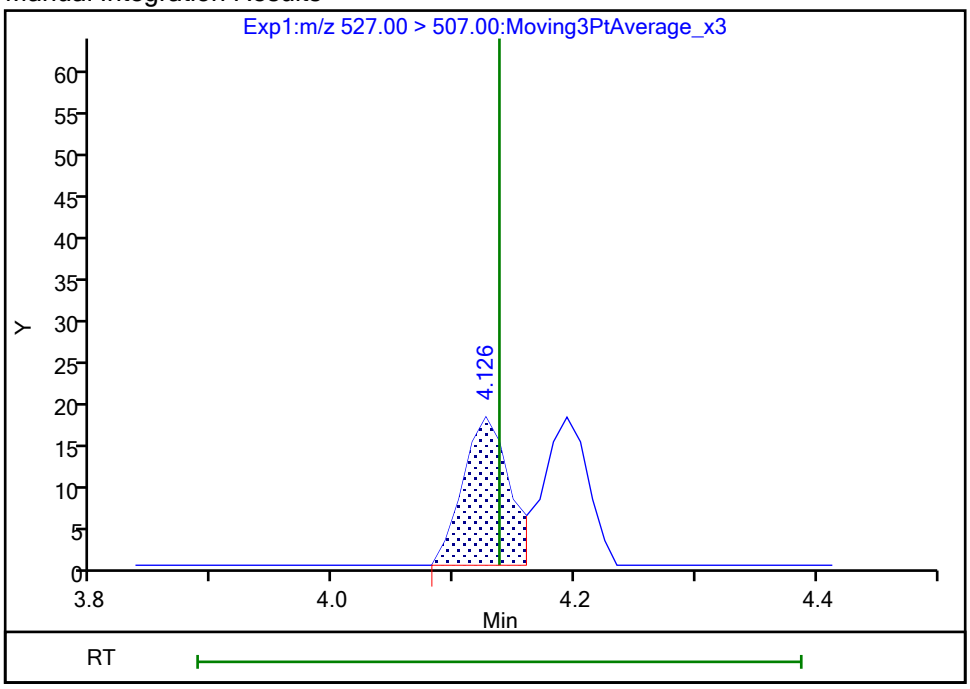
Not Detected
Expected RT: 4.14

Processing Integration Results



Manual Integration Results

RT: 4.13
Area: 47
Amount: 0.000752
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:14:16
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

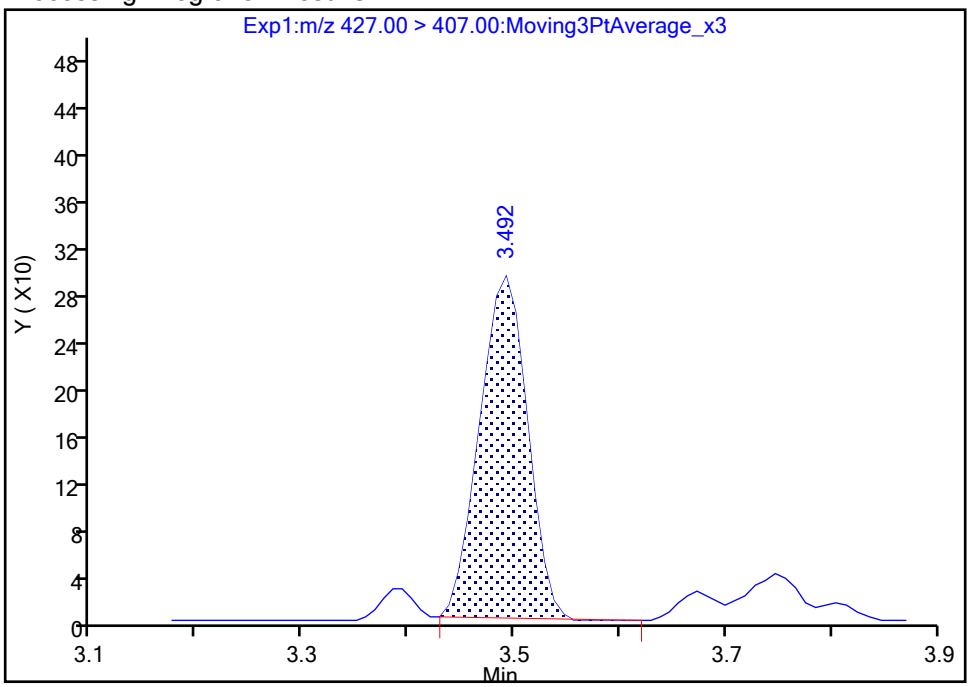
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B11.d				
Injection Date:	03-Mar-2021 20:21:02	Instrument ID:	LC812		
Lims ID:	480-181441-A-3-A	Lab Sample ID:	200-181441-3		
Client ID:	MW-5D-022221				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

Signal: 1

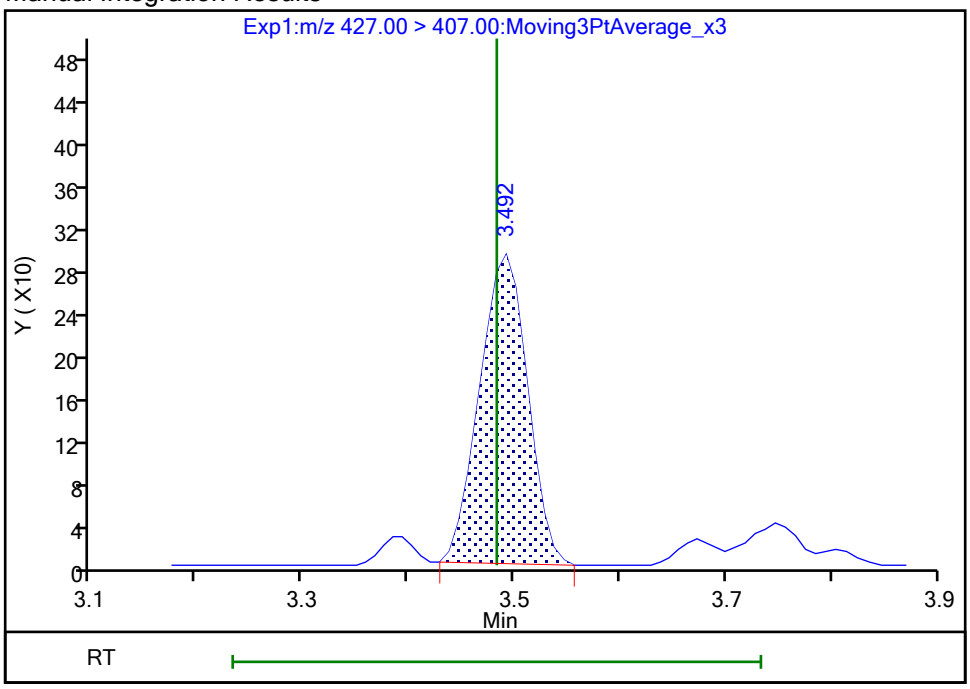
Processing Integration Results

RT: 3.49
Area: 914
Amount: 0.007041
Amount Units: ng/ml



Manual Integration Results

RT: 3.49
Area: 919
Amount: 0.007080
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:13:25

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

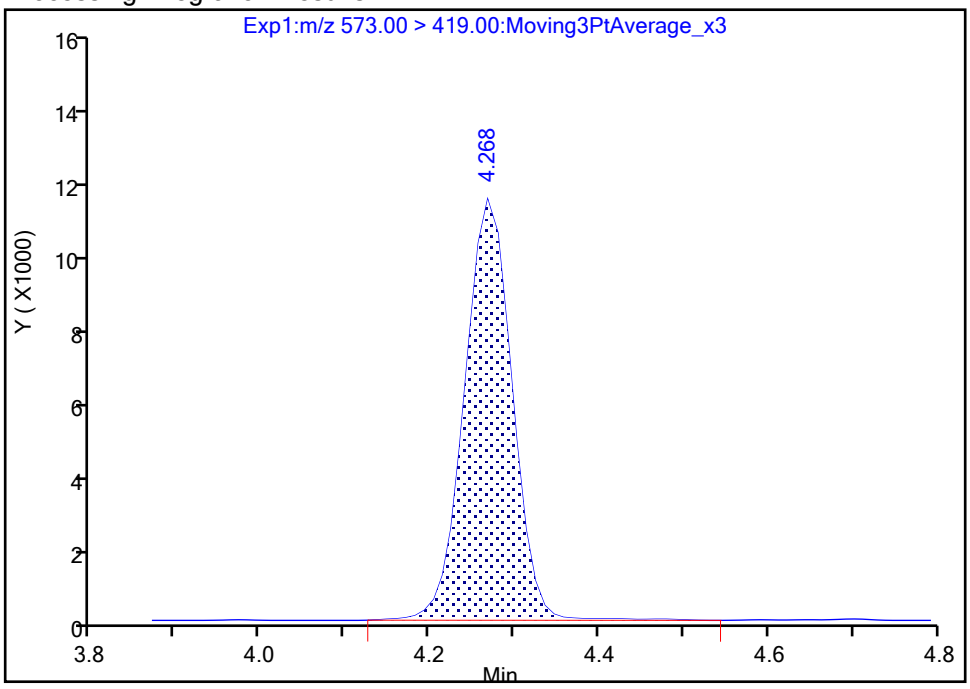
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B11.d				
Injection Date:	03-Mar-2021 20:21:02	Instrument ID:	LC812		
Lims ID:	480-181441-A-3-A	Lab Sample ID:	200-181441-3		
Client ID:	MW-5D-022221				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

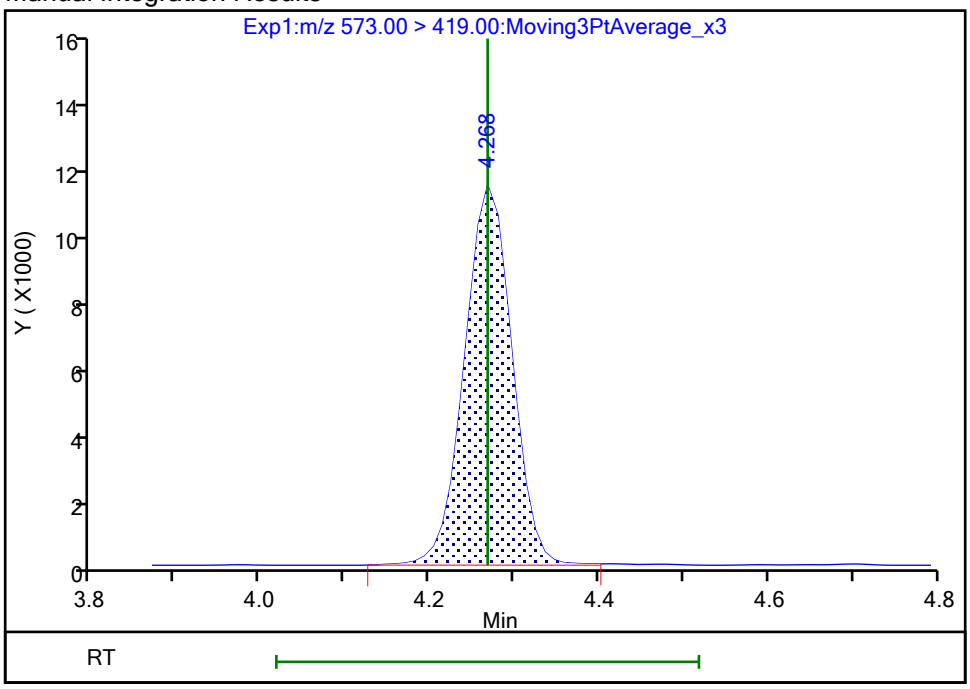
Processing Integration Results

RT: 4.27
Area: 44717
Amount: 0.796725
Amount Units: ng/ml



Manual Integration Results

RT: 4.27
Area: 44528
Amount: 0.793357
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:12:34

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

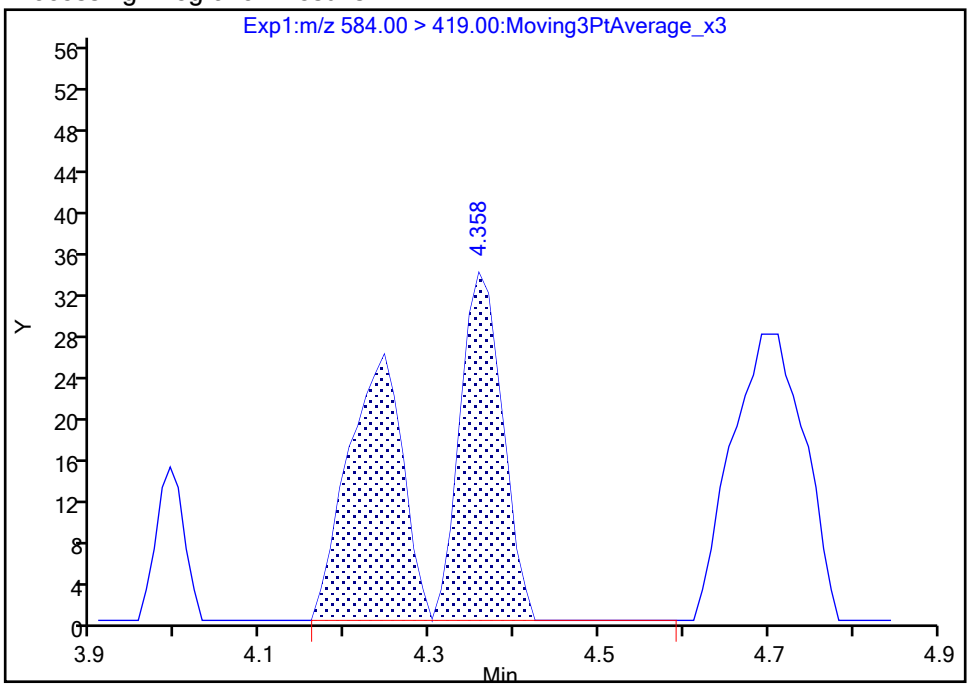
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B11.d				
Injection Date:	03-Mar-2021 20:21:02	Instrument ID:	LC812		
Lims ID:	480-181441-A-3-A	Lab Sample ID:	200-181441-3		
Client ID:	MW-5D-022221				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

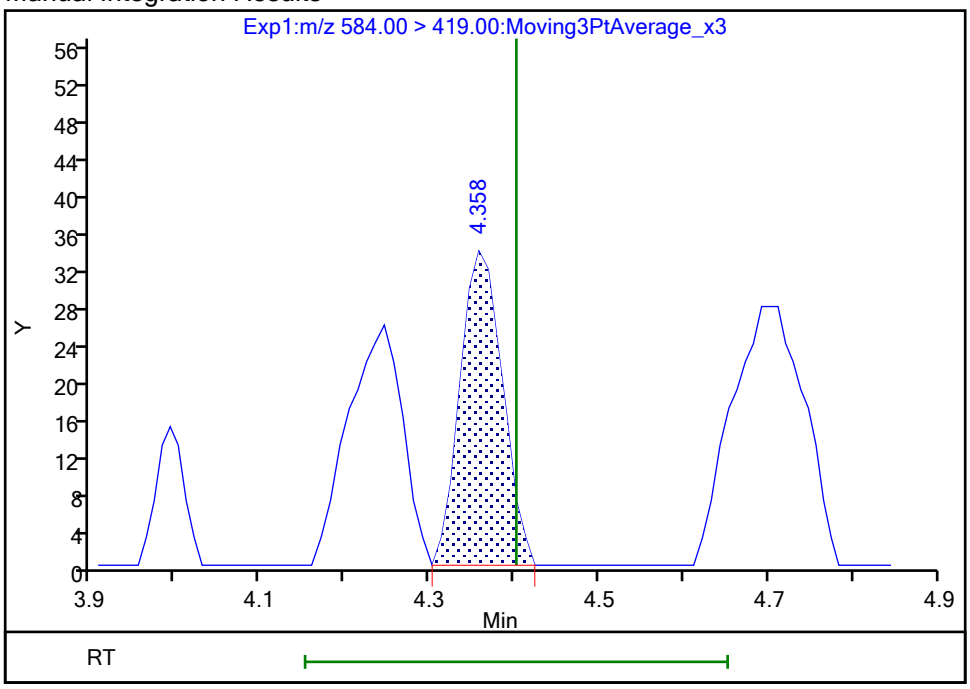
Processing Integration Results

RT: 4.36
Area: 234
Amount: 0.006777
Amount Units: ng/ml



Manual Integration Results

RT: 4.36
Area: 118
Amount: 0.003417
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:14:38

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

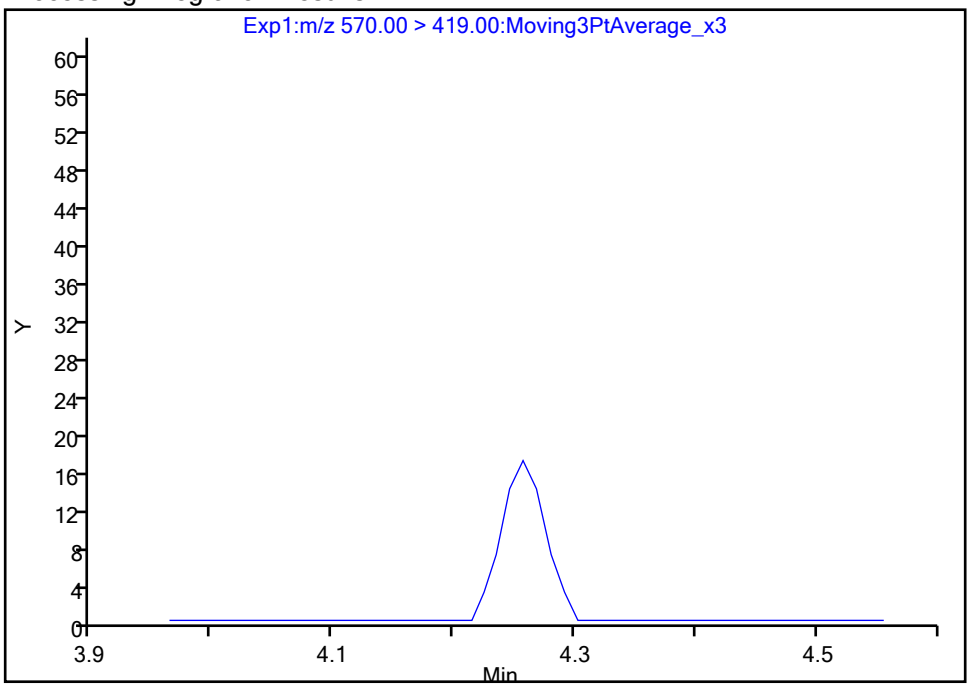
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B11.d				
Injection Date:	03-Mar-2021 20:21:02	Instrument ID:	LC812		
Lims ID:	480-181441-A-3-A	Lab Sample ID:	200-181441-3		
Client ID:	MW-5D-022221				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

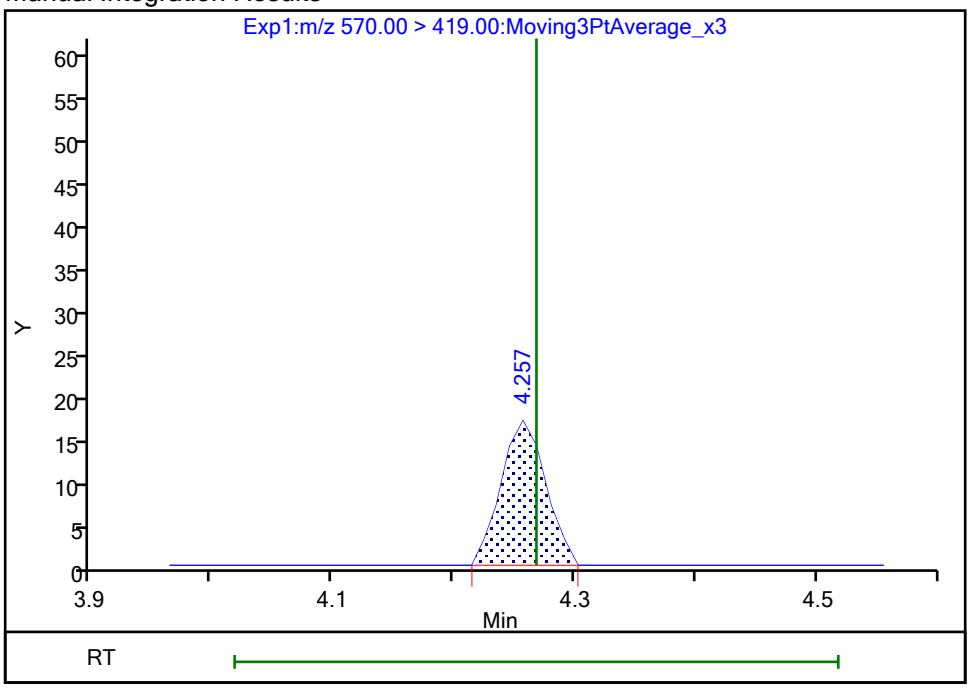
Not Detected
Expected RT: 4.27

Processing Integration Results



Manual Integration Results

RT: 4.26
Area: 43
Amount: 0.001362
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:14:29
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

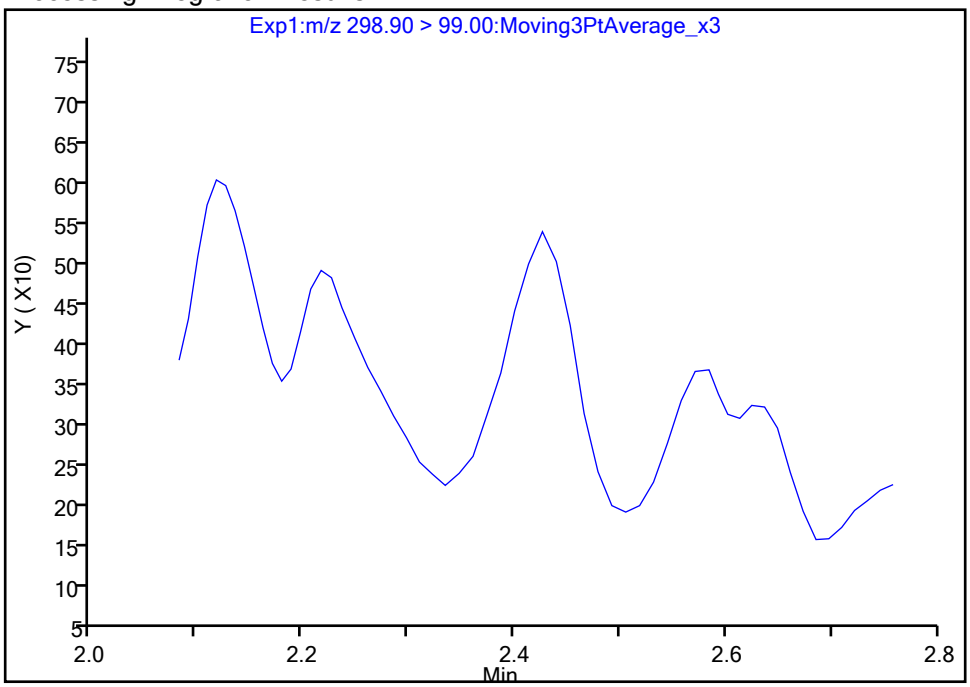
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B11.d				
Injection Date:	03-Mar-2021 20:21:02	Instrument ID:	LC812		
Lims ID:	480-181441-A-3-A	Lab Sample ID:	200-181441-3		
Client ID:	MW-5D-022221				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

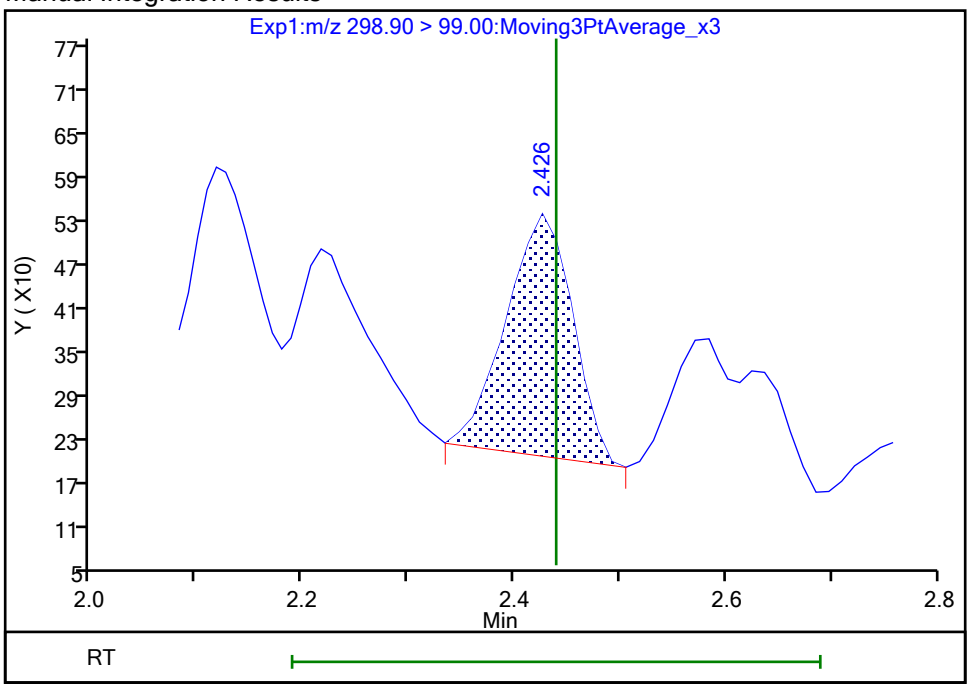
Not Detected
Expected RT: 2.44

Processing Integration Results



Manual Integration Results

RT: 2.43
Area: 1446
Amount: 0.001748
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:13:00
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

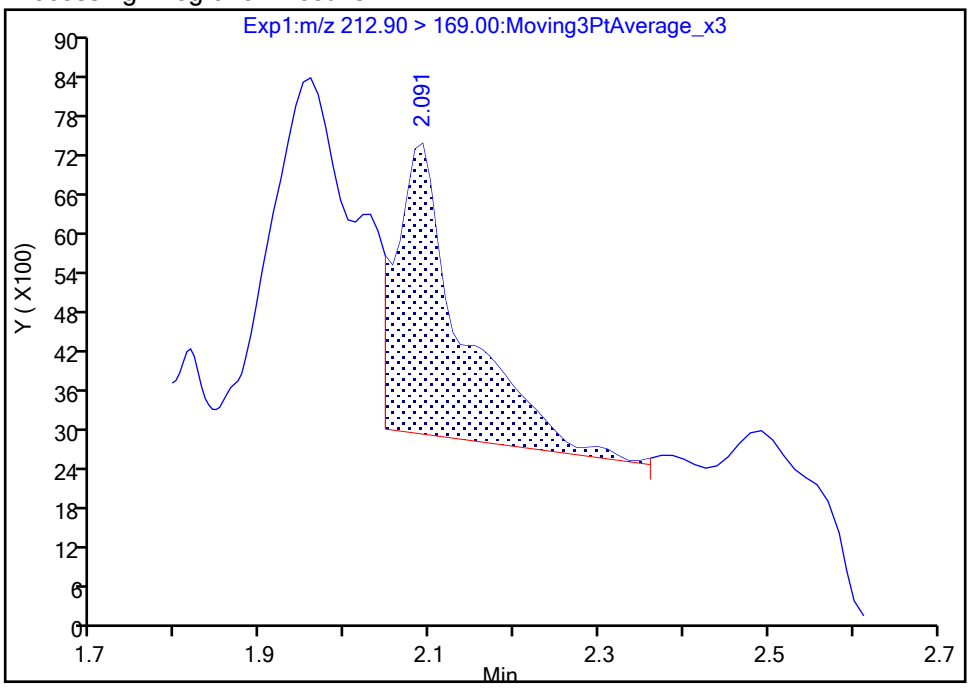
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B11.d				
Injection Date:	03-Mar-2021 20:21:02	Instrument ID:	LC812		
Lims ID:	480-181441-A-3-A	Lab Sample ID:	200-181441-3		
Client ID:	MW-5D-022221				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

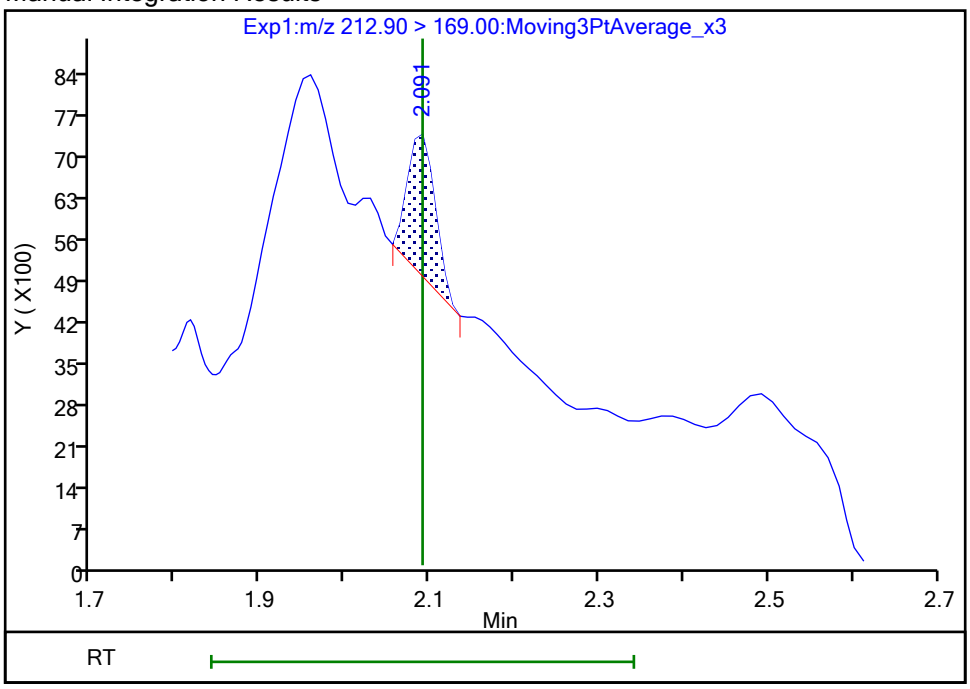
Processing Integration Results

RT: 2.09
Area: 23707
Amount: 0.021300
Amount Units: ng/ml



Manual Integration Results

RT: 2.09
Area: 5360
Amount: 0.004816
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:12:50

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

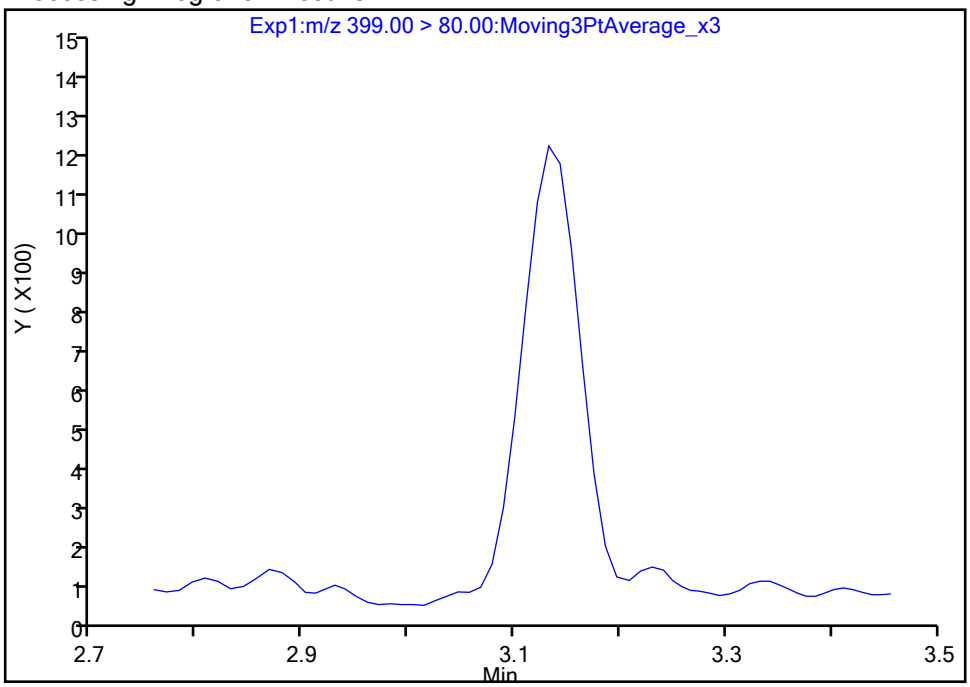
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B11.d				
Injection Date:	03-Mar-2021 20:21:02	Instrument ID:	LC812		
Lims ID:	480-181441-A-3-A	Lab Sample ID:	200-181441-3		
Client ID:	MW-5D-022221				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

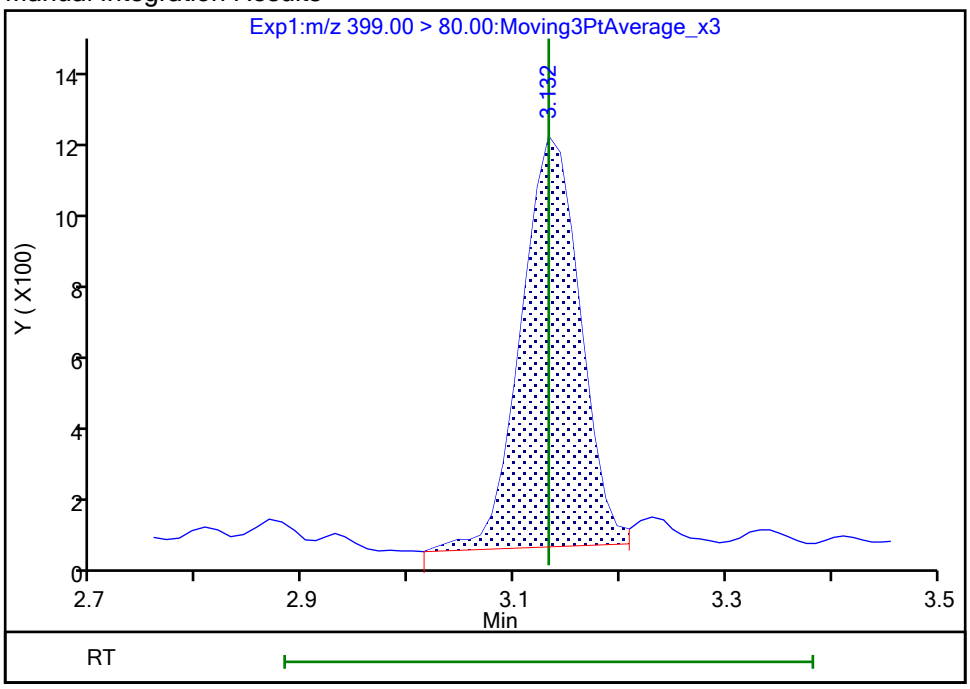
Not Detected
Expected RT: 3.13

Processing Integration Results



Manual Integration Results

RT: 3.13
Area: 4463
Amount: 0.004118
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:13:10
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

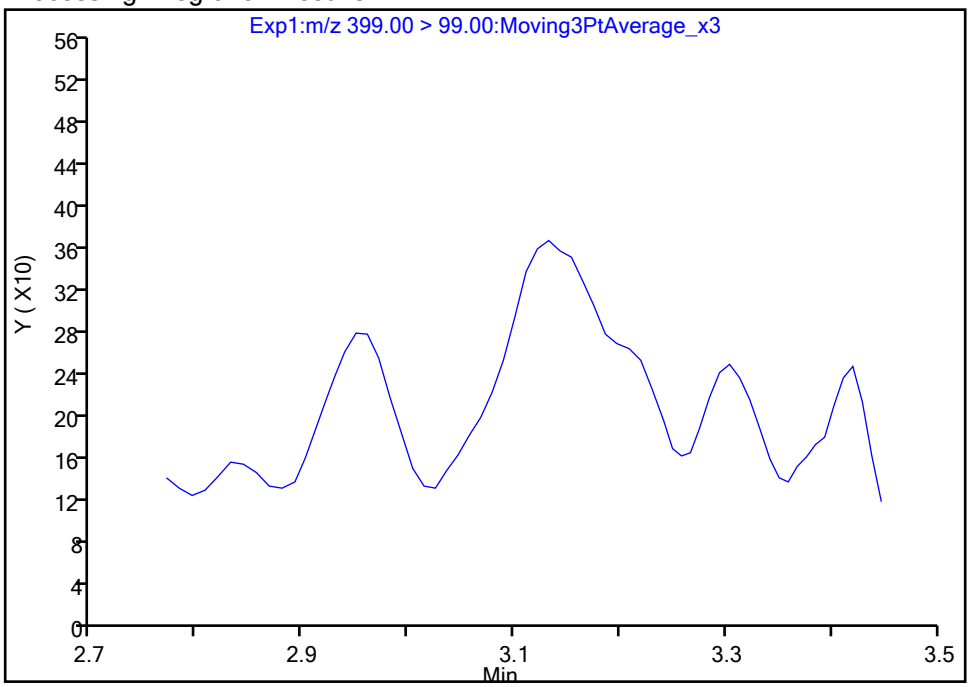
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B11.d				
Injection Date:	03-Mar-2021 20:21:02	Instrument ID:	LC812		
Lims ID:	480-181441-A-3-A	Lab Sample ID:	200-181441-3		
Client ID:	MW-5D-022221				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

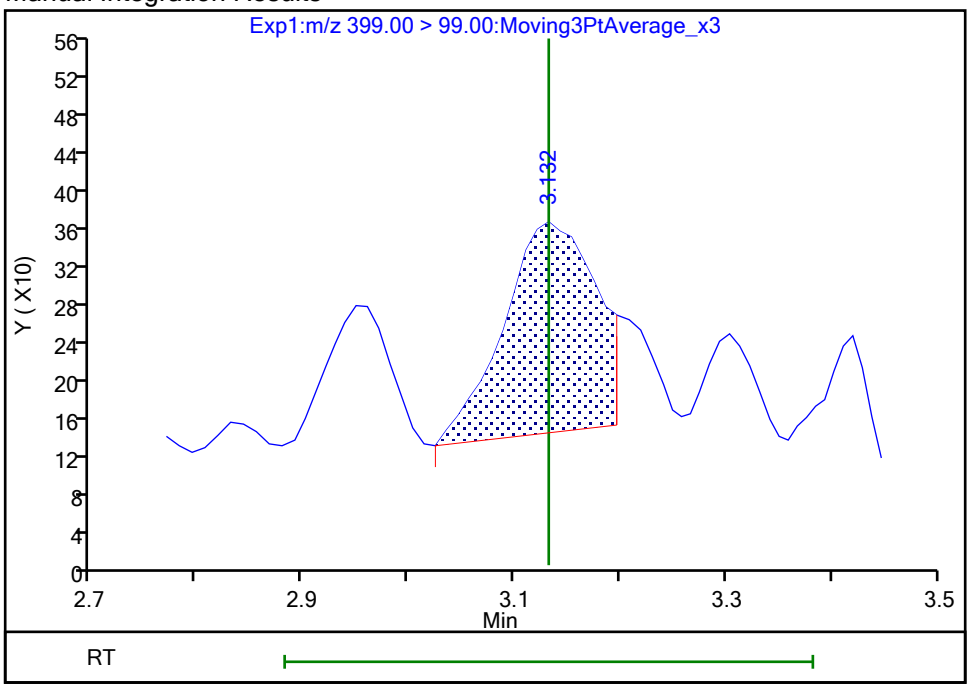
Not Detected
Expected RT: 3.13

Processing Integration Results



Manual Integration Results

RT: 3.13
Area: 1346
Amount: 0.004118
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:13:15
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

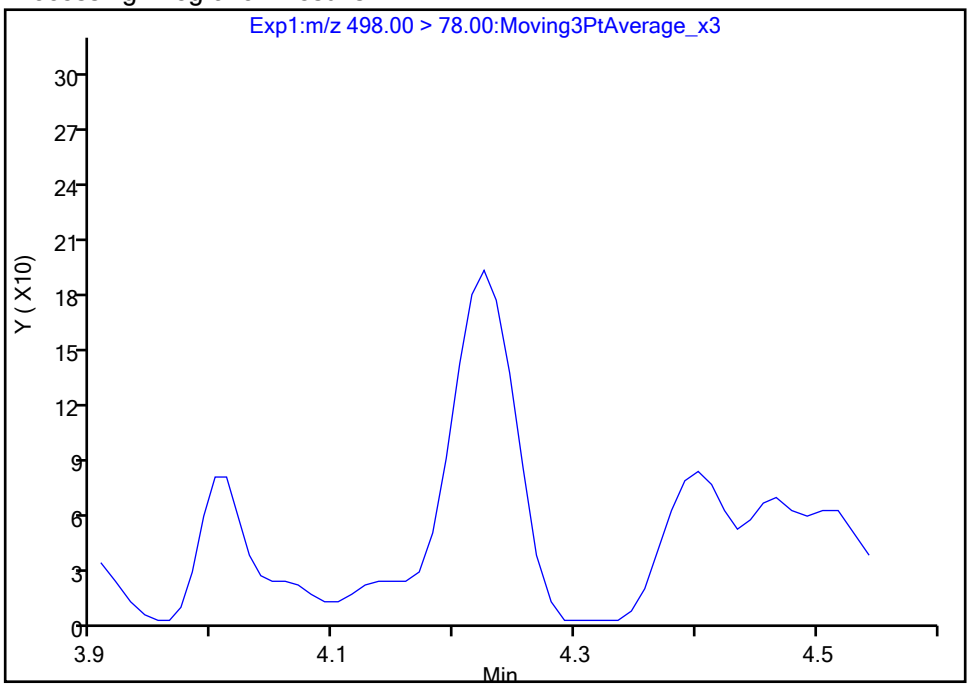
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B11.d				
Injection Date:	03-Mar-2021 20:21:02	Instrument ID:	LC812		
Lims ID:	480-181441-A-3-A	Lab Sample ID:	200-181441-3		
Client ID:	MW-5D-022221				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

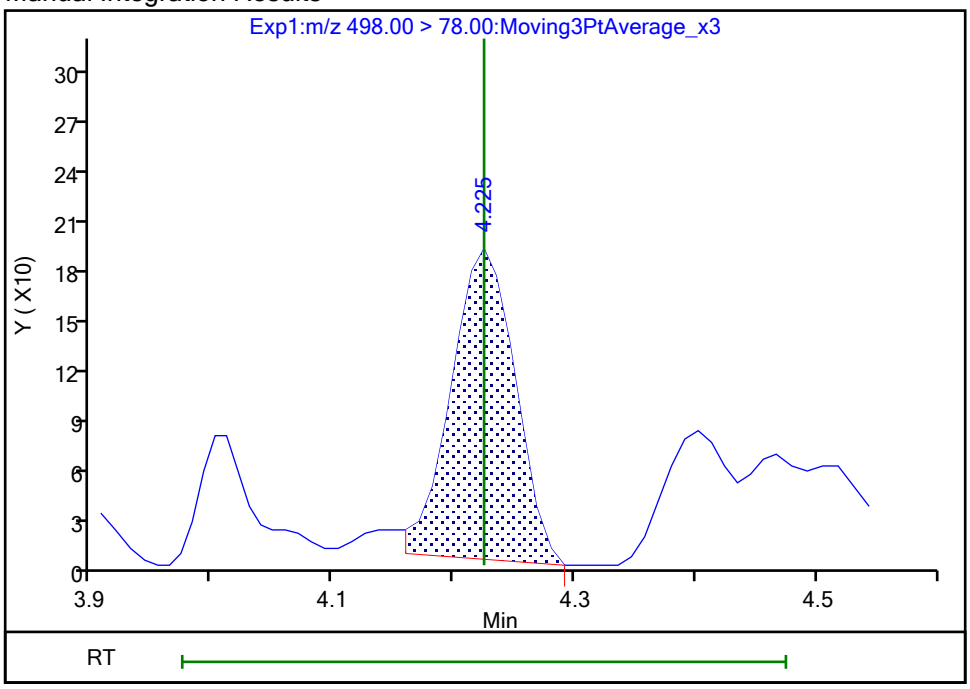
Not Detected
Expected RT: 4.22

Processing Integration Results



Manual Integration Results

RT: 4.22
Area: 678
Amount: 0.000651
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:14:24
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

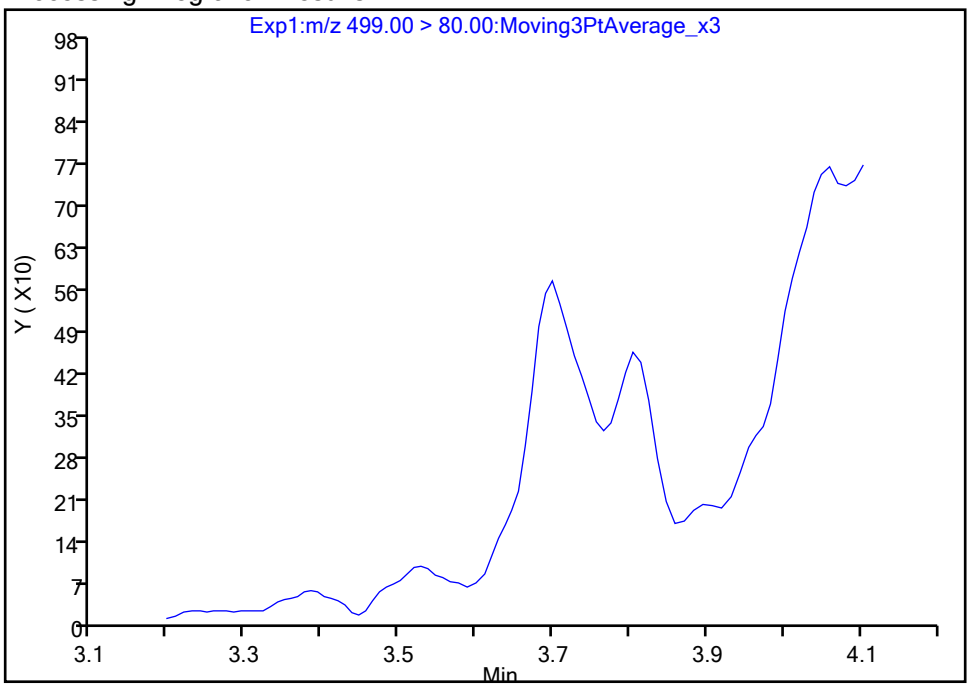
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B11.d				
Injection Date:	03-Mar-2021 20:21:02	Instrument ID:	LC812		
Lims ID:	480-181441-A-3-A	Lab Sample ID:	200-181441-3		
Client ID:	MW-5D-022221				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

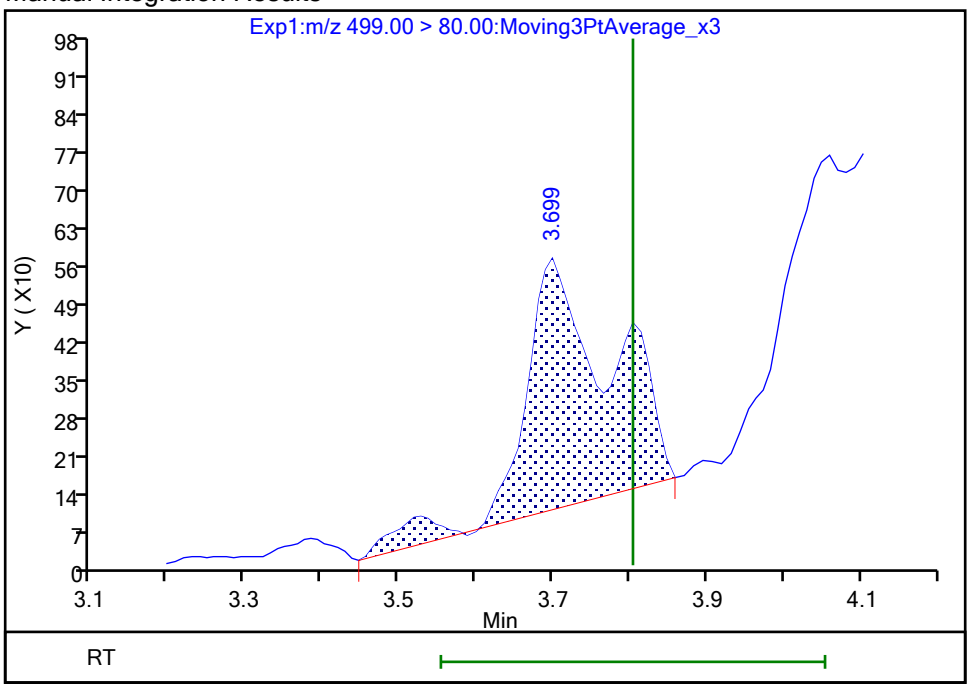
Not Detected
Expected RT: 3.80

Processing Integration Results



Manual Integration Results

RT: 3.70
Area: 3623
Amount: 0.006048
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:13:43
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

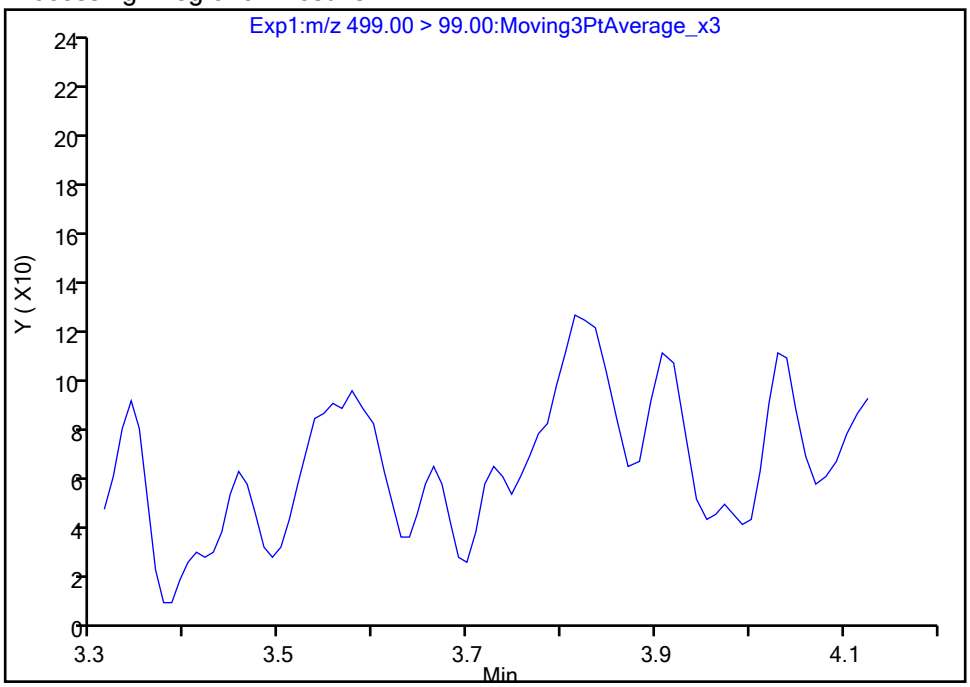
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B11.d				
Injection Date:	03-Mar-2021 20:21:02	Instrument ID:	LC812		
Lims ID:	480-181441-A-3-A	Lab Sample ID:	200-181441-3		
Client ID:	MW-5D-022221				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

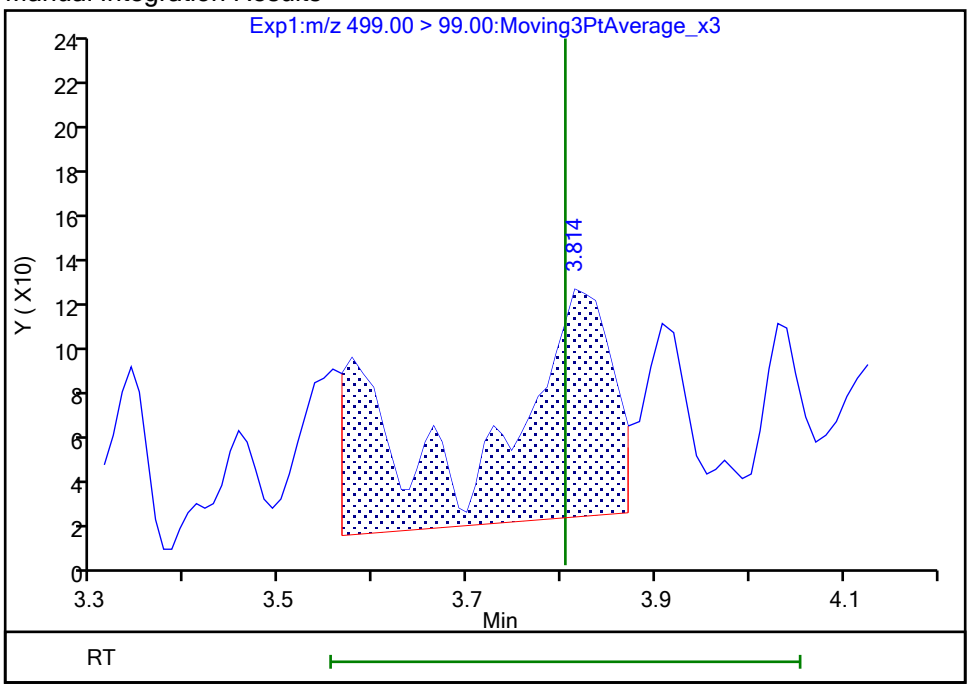
Not Detected
Expected RT: 3.80

Processing Integration Results



Manual Integration Results

RT: 3.81
Area: 918
Amount: 0.006048
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:13:58
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

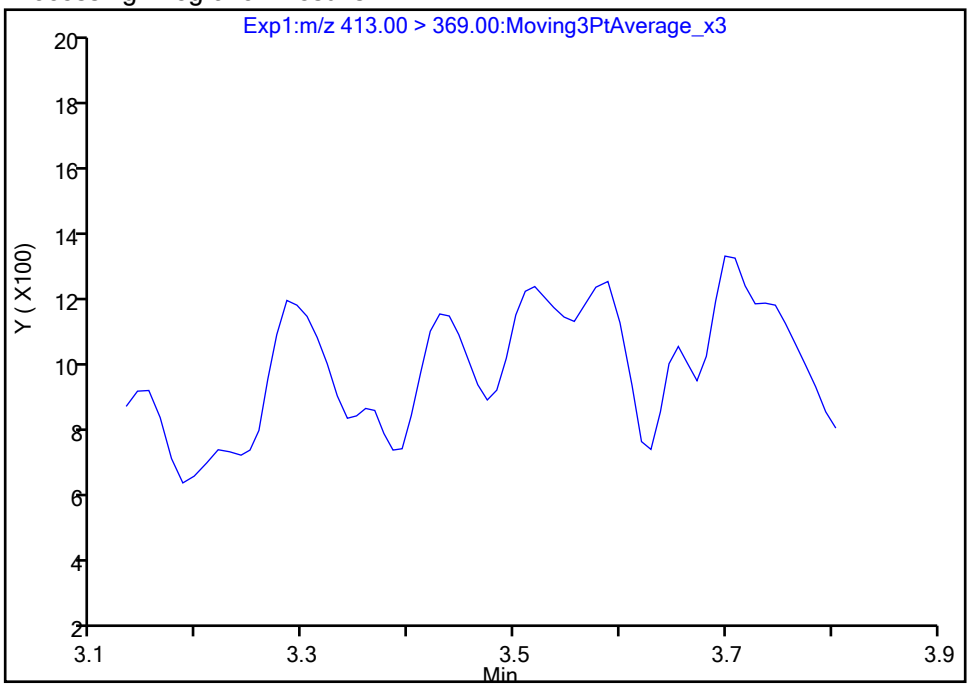
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B11.d				
Injection Date:	03-Mar-2021 20:21:02	Instrument ID:	LC812		
Lims ID:	480-181441-A-3-A	Lab Sample ID:	200-181441-3		
Client ID:	MW-5D-022221				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

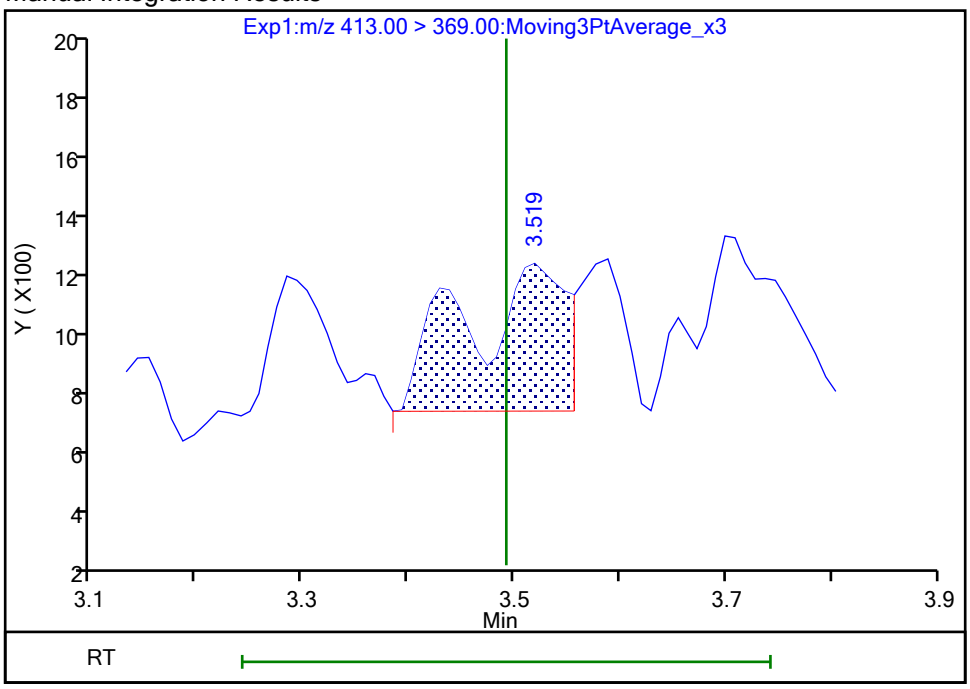
Not Detected
Expected RT: 3.49

Processing Integration Results



Manual Integration Results

RT: 3.52
Area: 3097
Amount: 0.002983
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:13:32
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

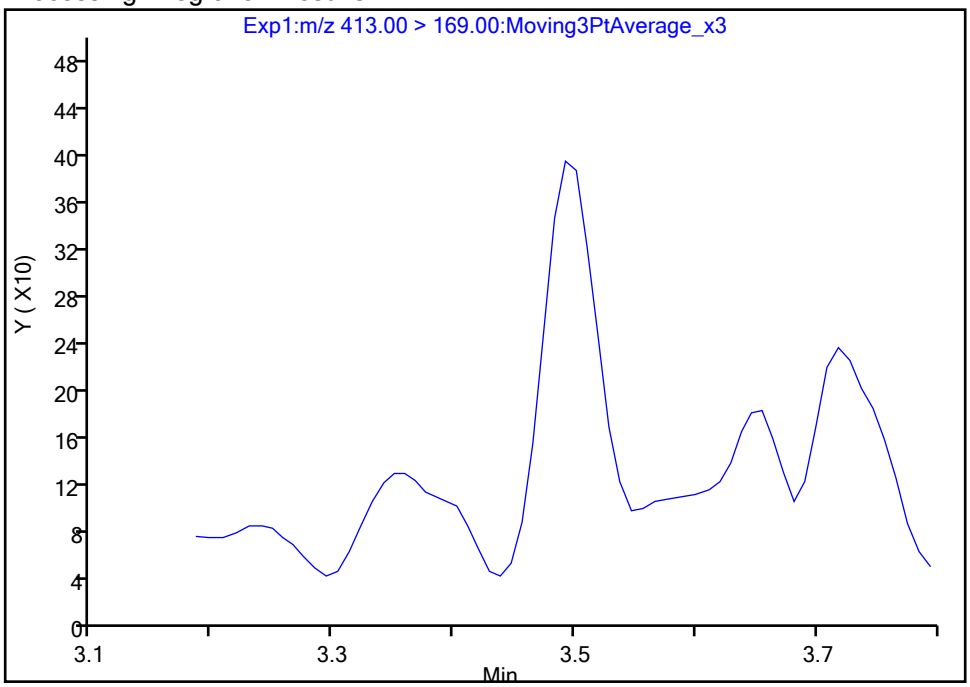
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B11.d				
Injection Date:	03-Mar-2021 20:21:02	Instrument ID:	LC812		
Lims ID:	480-181441-A-3-A	Lab Sample ID:	200-181441-3		
Client ID:	MW-5D-022221				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

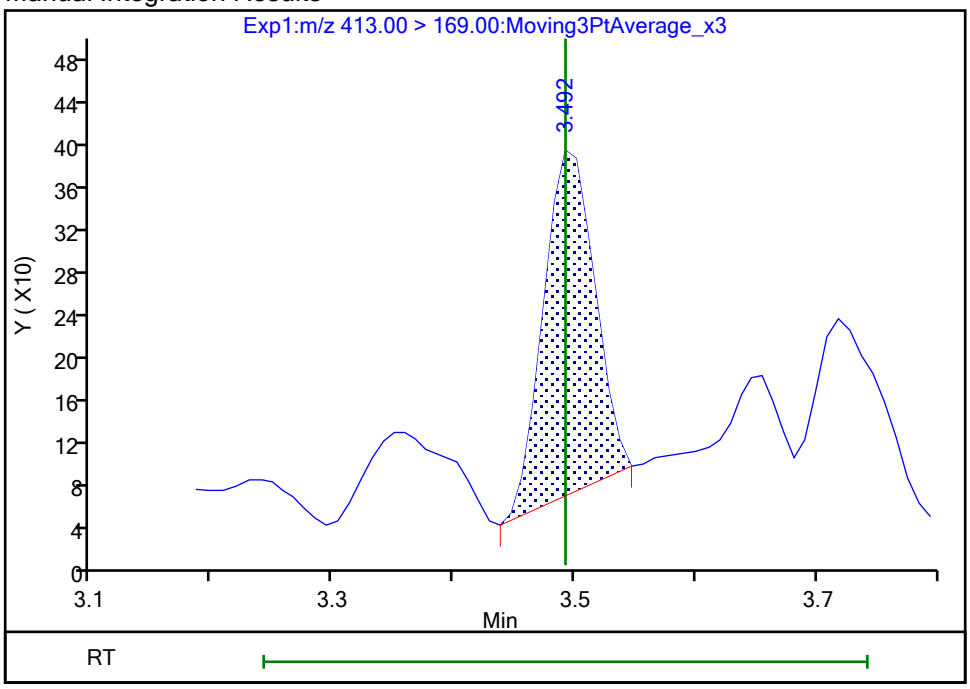
Not Detected
Expected RT: 3.49

Processing Integration Results



Manual Integration Results

RT: 3.49
Area: 962
Amount: 0.002983
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:13:35
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

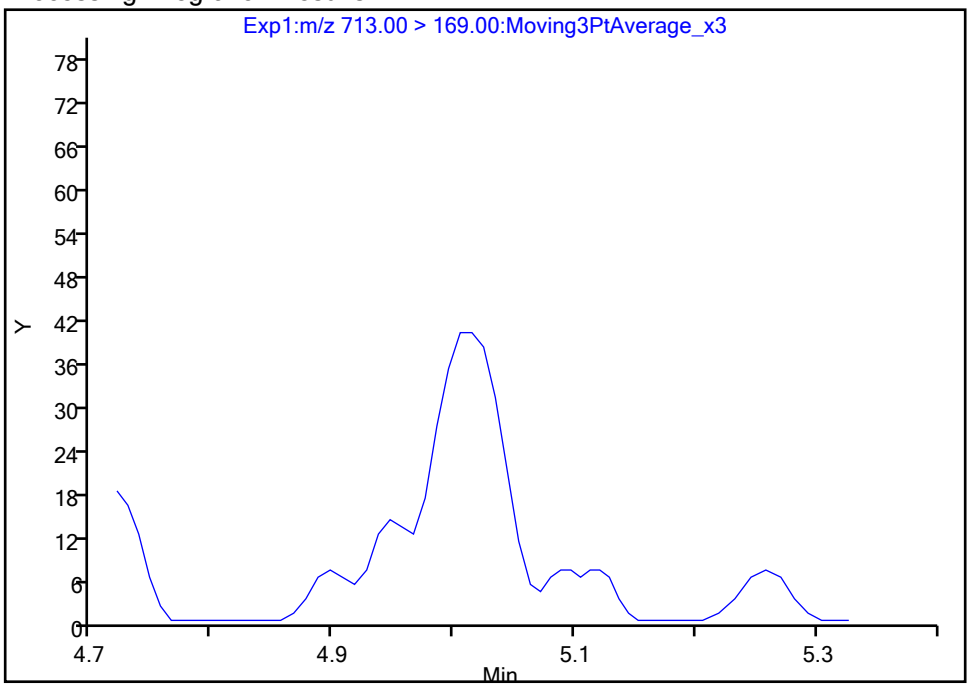
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B11.d				
Injection Date:	03-Mar-2021 20:21:02	Instrument ID:	LC812		
Lims ID:	480-181441-A-3-A	Lab Sample ID:	200-181441-3		
Client ID:	MW-5D-022221				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

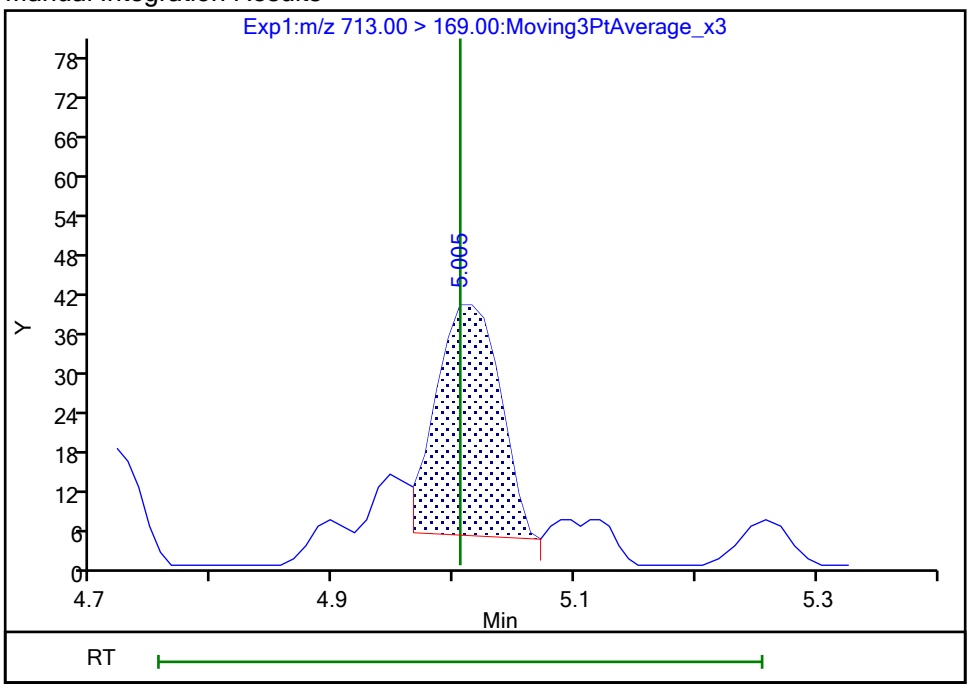
Not Detected
Expected RT: 5.00

Processing Integration Results



Manual Integration Results

RT: 5.00
Area: 129
Amount: 0.002239
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:14:49
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

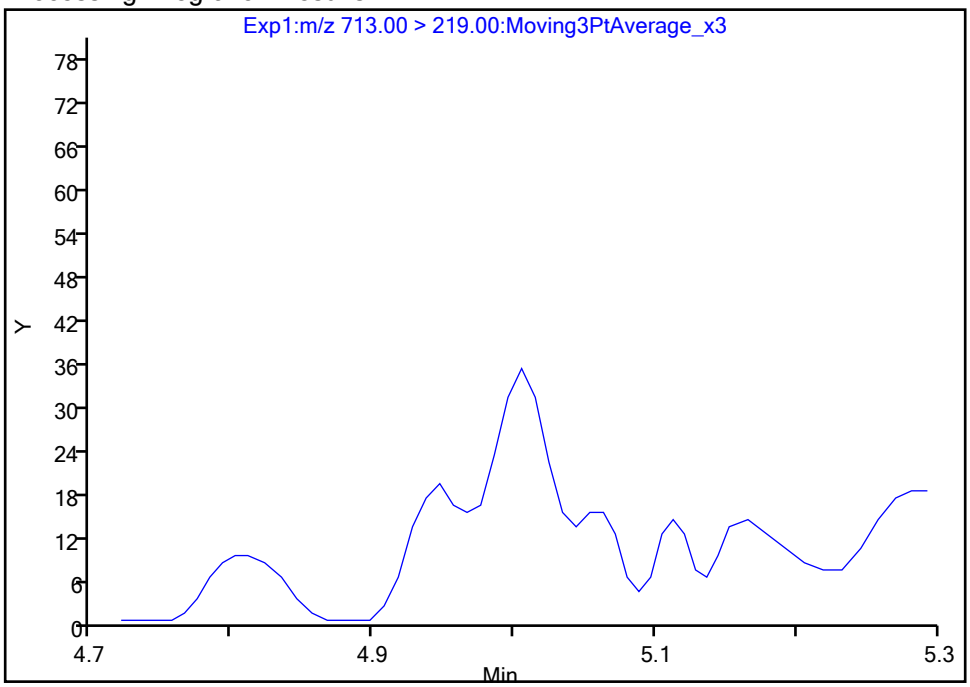
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B11.d				
Injection Date:	03-Mar-2021 20:21:02	Instrument ID:	LC812		
Lims ID:	480-181441-A-3-A	Lab Sample ID:	200-181441-3		
Client ID:	MW-5D-022221				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

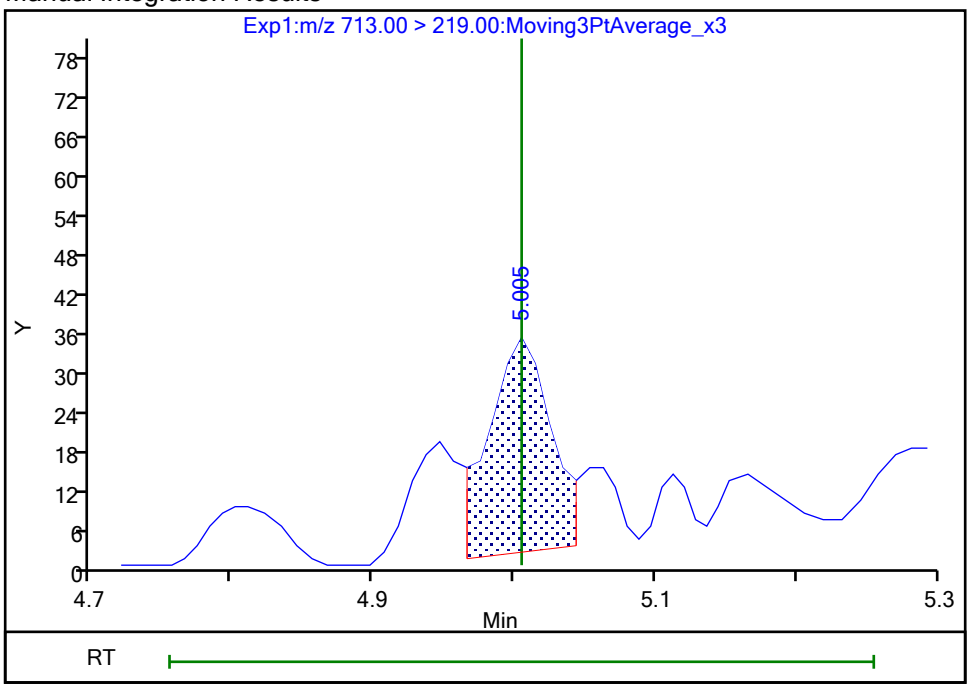
Not Detected
Expected RT: 5.00

Processing Integration Results



Manual Integration Results

RT: 5.00
Area: 99
Amount: 0.002239
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:14:52
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Client Sample ID: MW-3D-022321 Lab Sample ID: 480-181441-4

Matrix: Water Lab File ID: PA210303B12.d

Analysis Method: 537 (modified) Date Collected: 02/23/2021 14:55

Extraction Method: 3535 Date Extracted: 03/03/2021 08:24

Sample wt/vol: 282.6(mL) Date Analyzed: 03/03/2021 20:29

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 164492 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
39108-34-4	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.8	0.58
27619-97-2	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	71		4.4	0.64
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.4	0.82
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.4	0.70
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		1.8	0.56
375-22-4	Perfluorobutanoic acid (PFBA)	ND		4.4	1.0
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.42
335-76-2	Perfluorodecanoic acid (PFDA)	ND		1.8	0.41
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		1.8	0.41
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8	0.35
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		1.8	0.41
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.59
307-24-4	Perfluorohexanoic acid (PFHxA)	2.2		1.8	0.73
375-95-1	Perfluorononanoic acid (PFNA)	ND		1.8	0.51
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.50
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		1.8	0.77
335-67-1	Perfluorooctanoic acid (PFOA)	ND		1.8	0.87
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		1.8	0.96
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		1.8	0.52
72629-94-8	Perfluorotridecanoic acid (PFTriA)	ND		1.8	0.38
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.65

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Client Sample ID: MW-3D-022321 Lab Sample ID: 480-181441-4

Matrix: Water Lab File ID: PA210303B12.d

Analysis Method: 537 (modified) Date Collected: 02/23/2021 14:55

Extraction Method: 3535 Date Extracted: 03/03/2021 08:24

Sample wt/vol: 282.6(mL) Date Analyzed: 03/03/2021 20:29

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 164492 Units: ng/L

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00996	13C2 PFDA	101		50-150
STL00998	13C2 PFDoA	87		50-150
STL00993	13C2 PFHxA	111		50-150
STL02116	13C2 PFTeDA	92		50-150
STL00997	13C2 PFUnA	96		50-150
STL02337	13C3 PFBS	106		50-150
STL00992	13C4 PFBA	85		25-150
STL01892	13C4 PFHpA	110		50-150
STL00990	13C4 PFOA	113		50-150
STL00991	13C4 PFOS	104		50-150
STL00995	13C5 PFNA	107		50-150
STL01893	13C5 PFPeA	112		25-150
STL01056	13C8 FOSA	93		25-150
STL00994	18O2 PFHxS	110		50-150
STL02118	d3-NMeFOSAA	90		50-150
STL02117	d5-NEtFOSAA	84		50-150
STL02279	M2-6:2 FTS	108		25-150
STL02280	M2-8:2 FTS	111		25-150

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B12.d
Lims ID: 480-181441-A-4-A
Client ID: MW-3D-022321
Sample Type: Client
Inject. Date: 03-Mar-2021 20:29:19 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: 480-181441-A-4-A
Misc. Info.: 200-0045034-012 Plate: 1 Rack: 2
Operator ID: lc812tech Instrument ID: LC812

Method: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 04-Mar-2021 11:30:53 Calib Date: 22-Dec-2020 13:29:37
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1647

First Level Reviewer: khanphomeea Date: 04-Mar-2021 15:18:36
Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.080	2.091	-0.011	0.596	1355256	1.06		85.0	8528	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.089	2.091	-0.002	1.004	13420	0.0124			2.8	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.398	2.413	-0.015	0.687	1287132	1.40		112	3420	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.398	2.413	-0.015	1.000	10445	0.009161			0.6	M
D 47 13C3 PFBS										M
301.90 > 80.00	2.424	2.439	-0.015	0.694	1494317	1.23		106	203798	M
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.424	2.439	-0.015	1.000	8241	0.005667	Target=2.21		3.1	
298.90 > 99.00	2.424	2.439	-0.015	1.000	5181		1.59(1.11-3.32)		3.8	
D 7 13C2 PFHxA										
315.00 > 270.00	2.756	2.770	-0.014	0.789	1337250	1.38		111	2882	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.768	2.770	-0.002	1.004	71673	0.0613	Target=12.83		16.1	M
313.00 > 119.00	2.768	2.770	-0.002	1.004	6290		11.39(6.42-19.25)		10.8	M
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.122	3.132	-0.010	1.000	10828	0.009284	Target=4.15		22.7	M
399.00 > 99.00	3.122	3.132	-0.010	1.000	3401		3.18(2.08-6.23)		4.0	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.122	3.132	-0.010	0.894	1170339	1.30		110	3134	
D 9 13C4 PFHpA										
367.00 > 322.00	3.133	3.143	-0.011	0.897	1270762	1.37		110	3853	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.133	3.143	-0.011	1.000	5416	0.004878	Target=3.66		2.0	M
363.00 > 169.00	3.122	3.143	-0.021	0.997	1558		3.48(1.83-5.49)		5.0	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 12 M2-6:2 FTS										
429.00 > 81.00	3.483	3.483	0.0	0.997	144690	1.28		108	485	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.483	3.483	0.0	1.000	273674	2.02			1658	
D 14 13C4 PFOA										
417.00 > 372.00	3.492	3.492	0.0	1.000	1323385	1.41		113	3156	
* 62 13C2 PFOA										
415.00 > 370.00	3.492	3.492	0.0		1186998	1.25			2800	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.492	3.492	0.0	1.000	5023	0.004377	Target=2.58		1.3	M
413.00 > 169.00	3.483	3.492	-0.009	0.997	2502		2.01(1.29-3.87)		6.7	M
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.795	3.804	-0.009	0.997	4926	0.006667	Target=5.65		1.6	M
499.00 > 99.00	3.785	3.804	-0.019	0.995	1280		3.85(2.82-8.47)		2.9	M
D 18 13C4 PFOS										
503.00 > 80.00	3.804	3.804	0.0	1.089	767660	1.24		104	3006	
D 19 13C5 PFNA										
468.00 > 423.00	3.825	3.825	0.0	1.095	1107236	1.34		107	3968	
20 Perfluorononanoic acid										M
463.00 > 419.00	3.836	3.825	0.011	1.003	2652	0.002705	Target=7.44		0.7	M
463.00 > 169.00	3.836	3.825	0.011	1.003	577		4.60(3.72-11.16)		7.1	M
D 23 13C2 PFDA										
515.00 > 470.00	4.126	4.126	0.0	1.182	998847	1.26		101	3939	
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.115	4.126	-0.011	0.997	1467	0.001781	Target=9.29		1.3	M
513.00 > 169.00	4.115	4.126	-0.011	0.997	258		5.69(4.64-13.93)		3.1	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.126	4.137	-0.011	1.182	154435	1.33		111	534	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.126	4.137	-0.011	1.000	817	0.009315				M
D 21 13C8 FOSA										
506.00 > 78.00	4.215	4.225	-0.010	1.207	1353736	1.16		93.0	2723	
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.215	4.225	-0.010	1.000	851	0.000784			7.5	M
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.268	4.268	0.0	1.222	64458	1.12		89.7	847	
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.369	4.358	0.011	1.148	193	0.000439	Target=2.80		1.2	M
599.00 > 99.00	4.347	4.358	-0.011	1.143	94		2.05(1.40-4.19)		1.0	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.380	4.391	-0.011	1.254	783616	1.20		96.3	3223	
31 Perfluoroundecanoic acid										RM
563.00 > 519.00	4.402	4.391	0.011	1.005	793	0.001240	Target=8.12		0.9	RM
563.00 > 169.00	4.380	4.391	-0.011	1.000	266		2.98(4.06-12.18)		4.1	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.391	4.402	-0.011	1.257	58246	1.05		83.9	606	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.314	4.402	-0.088	0.982	156	0.003617			2.1	M
D 36 13C2 PFDoA										
615.00 > 570.00	4.611	4.612	-0.001	1.320	744813	1.08		86.7	3243	
37 Perfluorododecanoic acid										RM
613.00 > 569.00	4.611	4.612	-0.001	1.000	2804	0.004279	Target=6.91		0.9	R
613.00 > 169.00	4.601	4.612	-0.011	0.998	62		45.23(3.45-10.36)		1.7	M
D 43 13C2 PFTeDA										
715.00 > 670.00	5.004	5.005	-0.001	1.433	583190	1.15		91.8	2668	
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.004	5.005	-0.001	1.000	174	0.002011	Target=1.06		7.0	M
713.00 > 219.00	5.004	5.005	-0.001	1.000	161		1.08(0.53-1.59)		7.4	M

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Report Date: 04-Mar-2021 11:31:12 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B12.d

Injection Date: 03-Mar-2021 20:29:19 Instrument ID: LC812

Lims ID: 480-181441-A-4-A Lab Sample ID: 200-181441-4

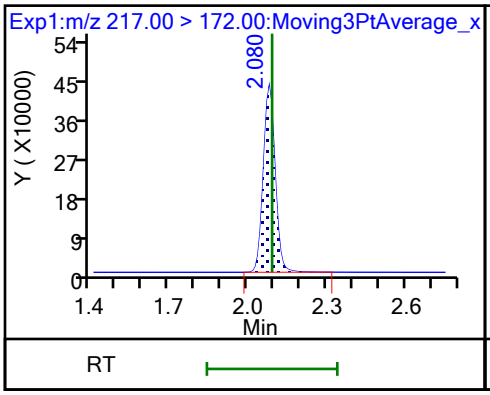
Client ID: MW-3D-022321

Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 12

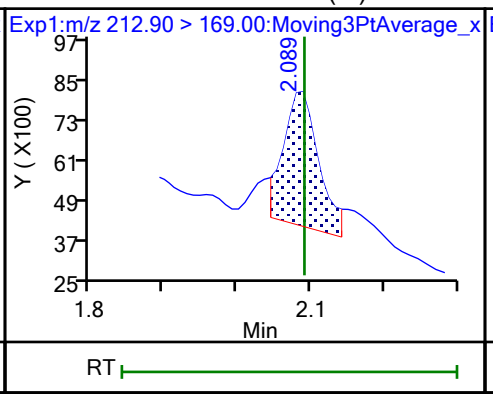
Injection Vol: 20.0 ul Dil. Factor: 1.0000

Method: PFC_LC812 Limit Group: LC_PFC_ICAL

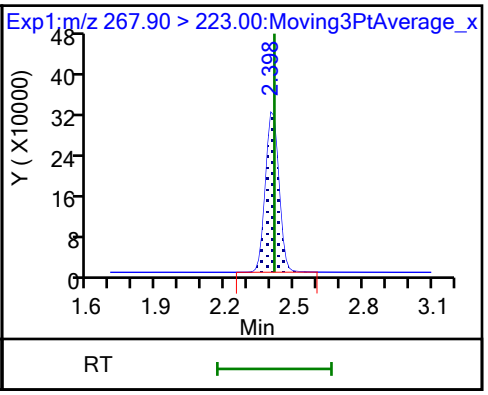
D 1 13C4 PFBA



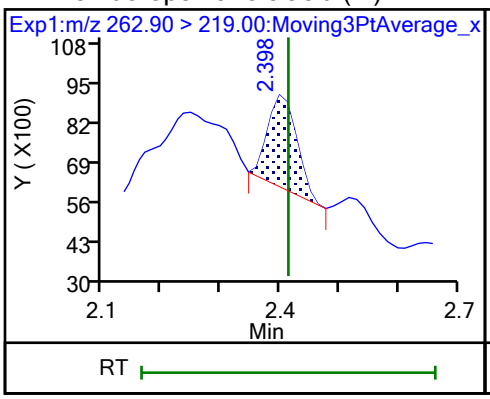
2 Perfluorobutanoic acid (M)



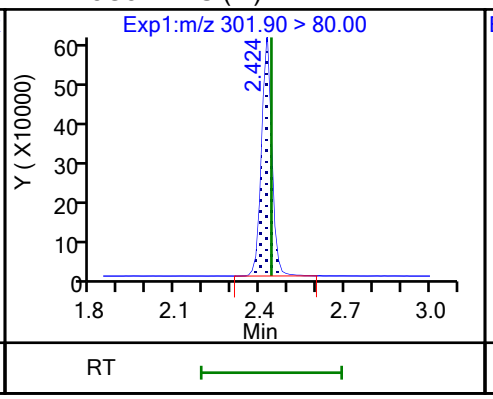
D 3 13C5 PFPeA



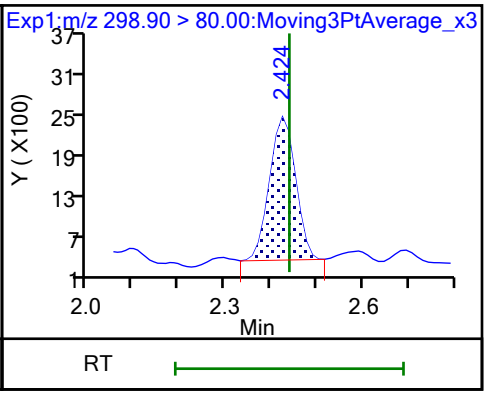
4 Perfluoropentanoic acid (M)



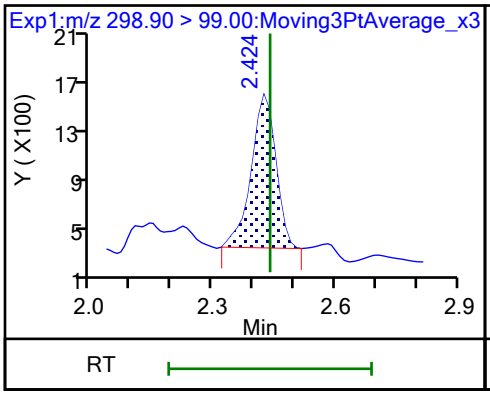
D 47 13C3 PFBS (M)



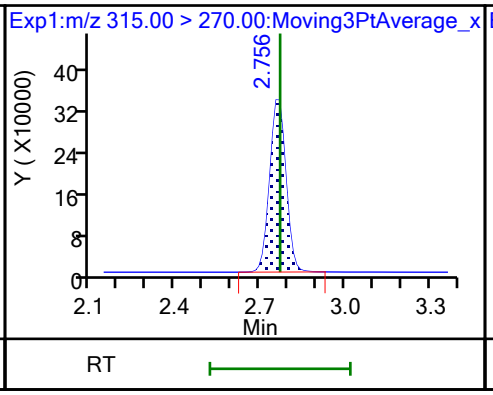
5 Perfluorobutanesulfonic acid



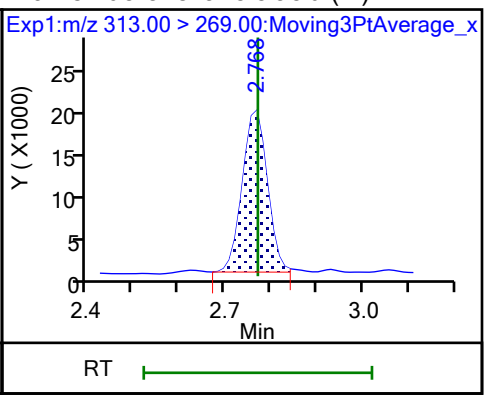
5 Perfluorobutanesulfonic acid



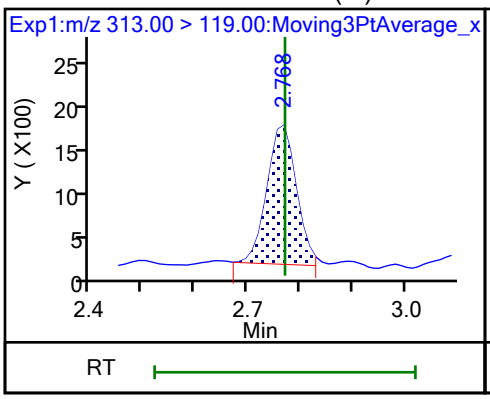
D 7 13C2 PFHxA



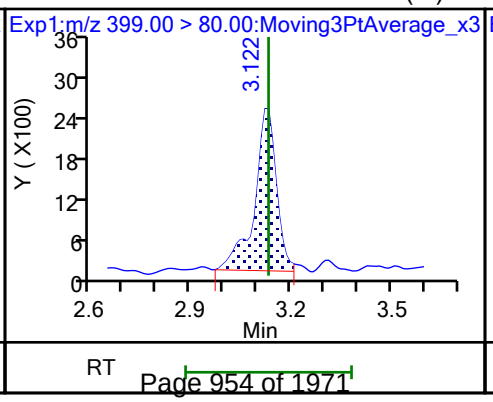
6 Perfluorohexanoic acid (M)



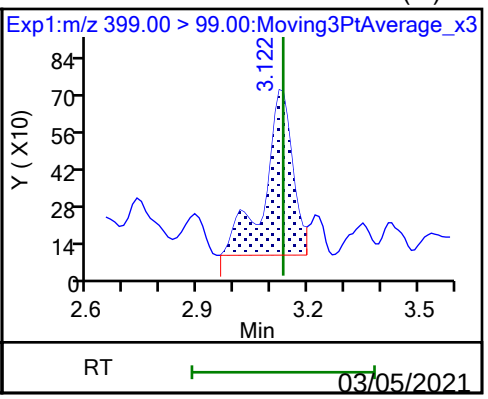
6 Perfluorohexanoic acid (M)



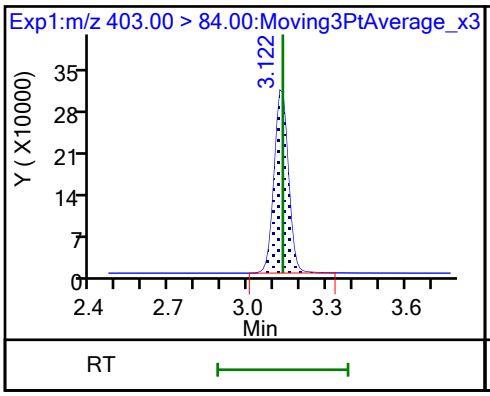
8 Perfluorohexanesulfonic acid (M)



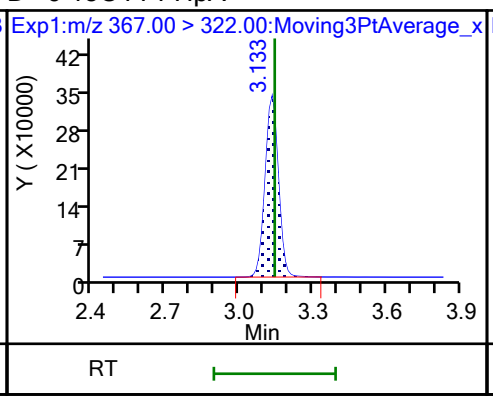
8 Perfluorohexanesulfonic acid (M)



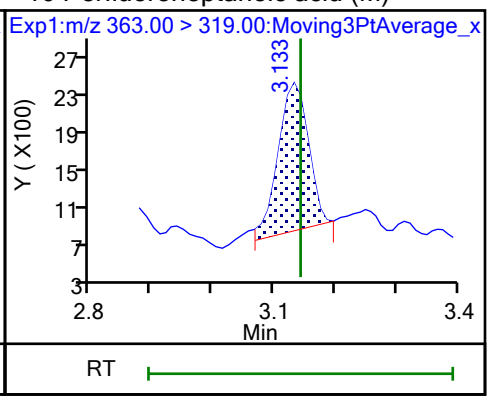
D 11 18O2 PFHxS



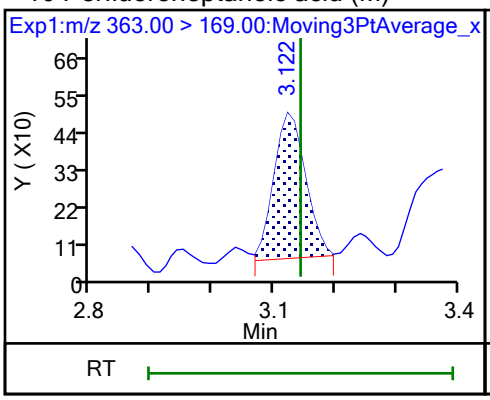
D 9 13C4 PFHpA



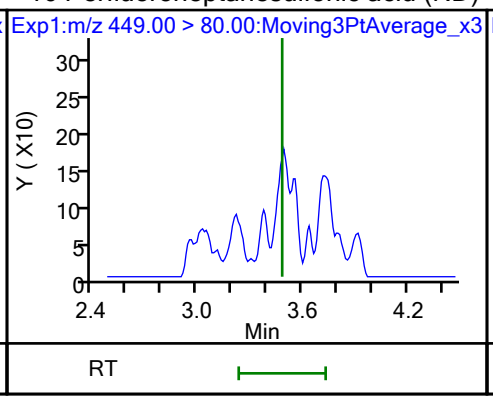
10 Perfluoroheptanoic acid (M)



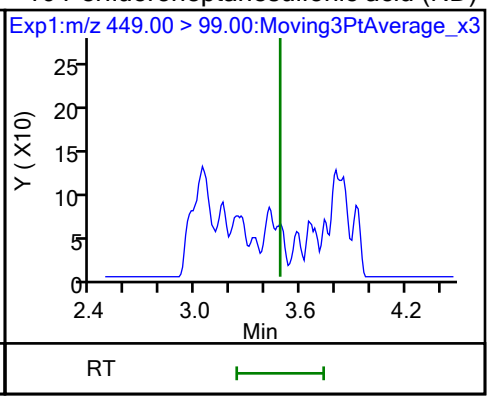
10 Perfluoroheptanoic acid (M)



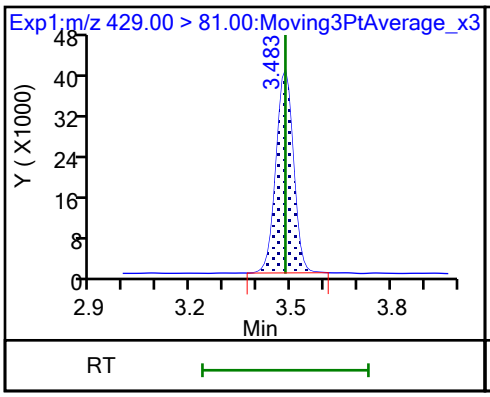
16 Perfluoroheptanesulfonic acid (ND)



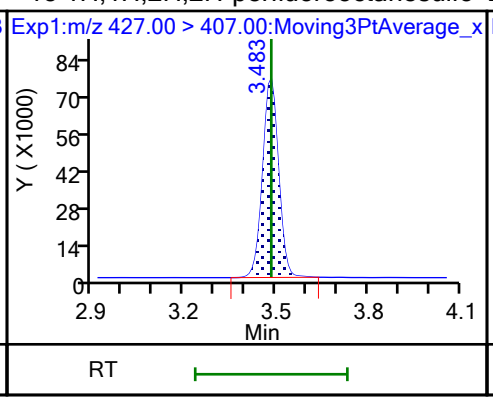
16 Perfluoroheptanesulfonic acid (ND)



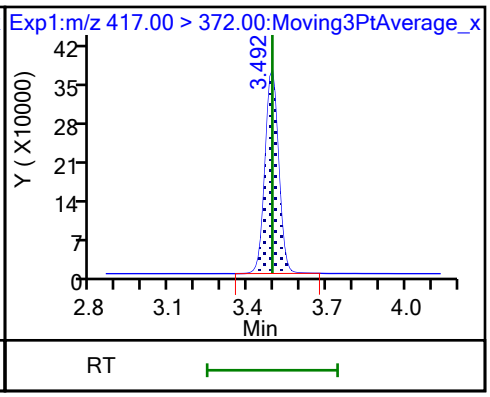
D 12 M2-6:2 FTS



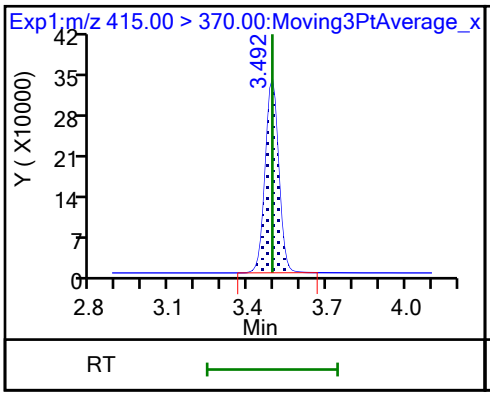
13 1H,1H,2H,2H-perfluorooctanesulfo



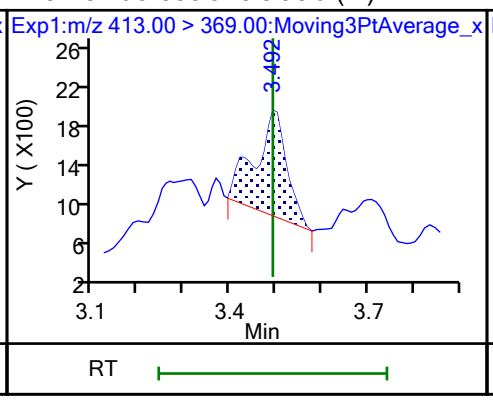
D 14 13C4 PFOA



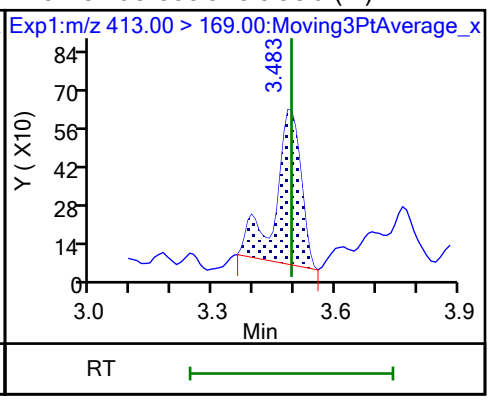
* 62 13C2 PFOA



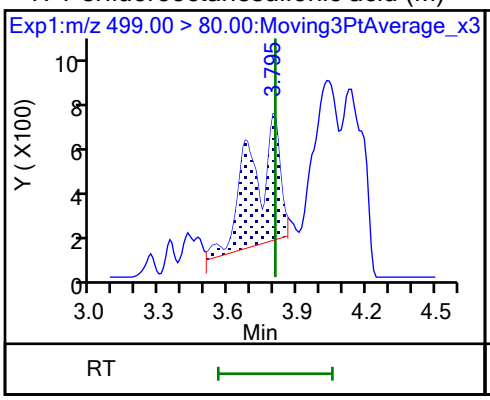
15 Perfluorooctanoic acid (M)



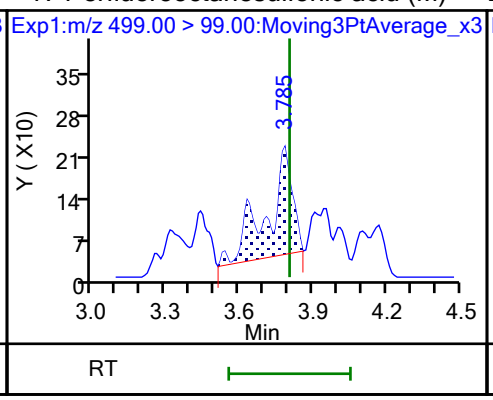
15 Perfluorooctanoic acid (M)



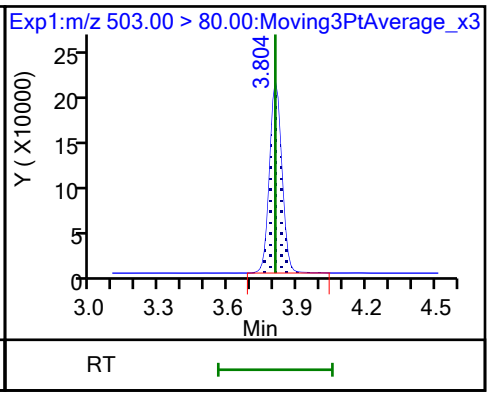
17 Perfluorooctanesulfonic acid (M)



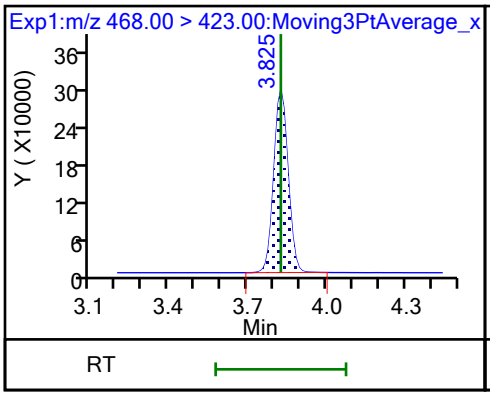
17 Perfluorooctanesulfonic acid (M)



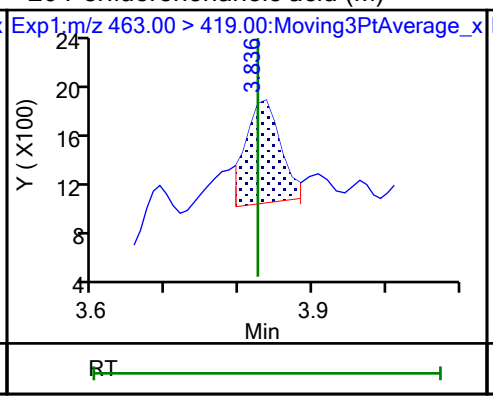
D 18 13C4 PFOS



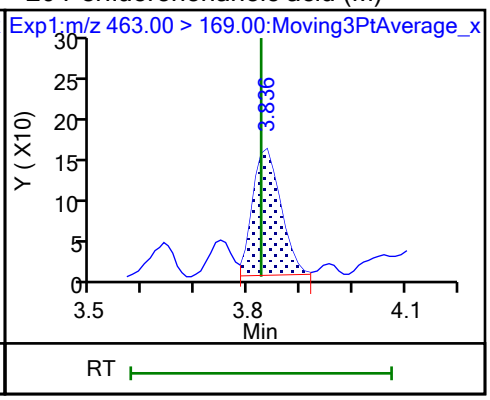
D 19 13C5 PFNA



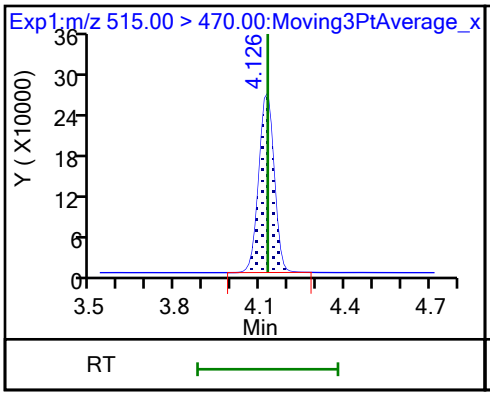
20 Perfluorononanoic acid (M)



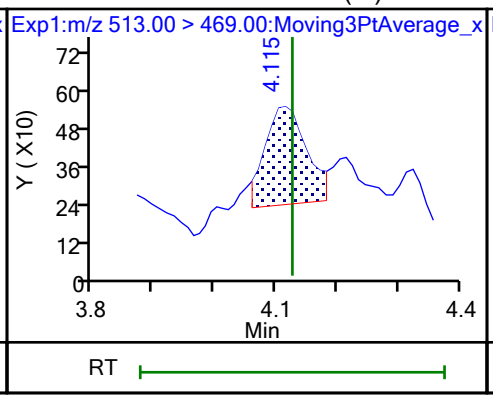
20 Perfluorononanoic acid (M)



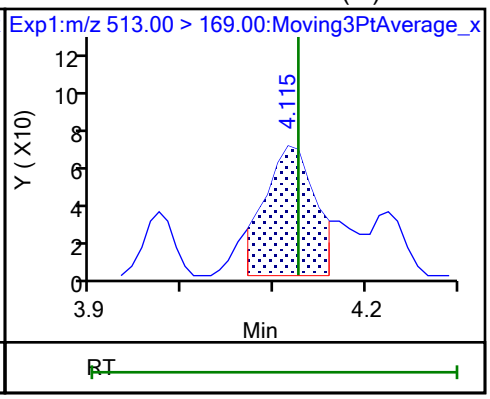
D 23 13C2 PFDA



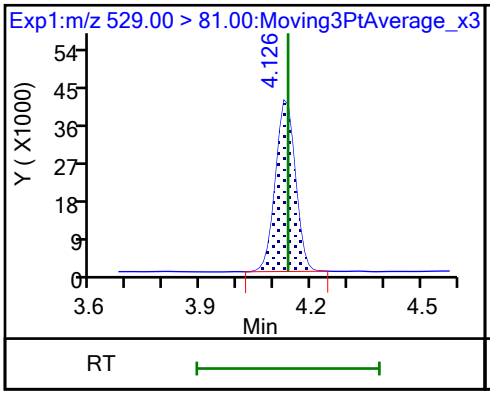
24 Perfluorodecanoic acid (M)



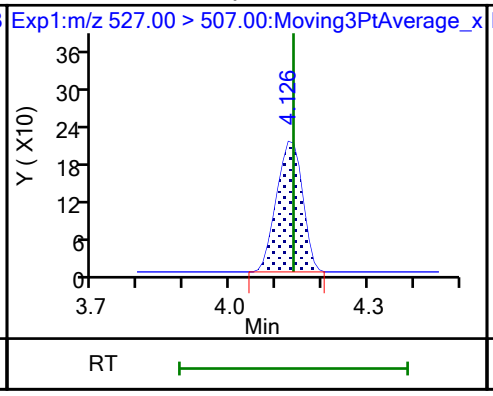
24 Perfluorodecanoic acid (M)



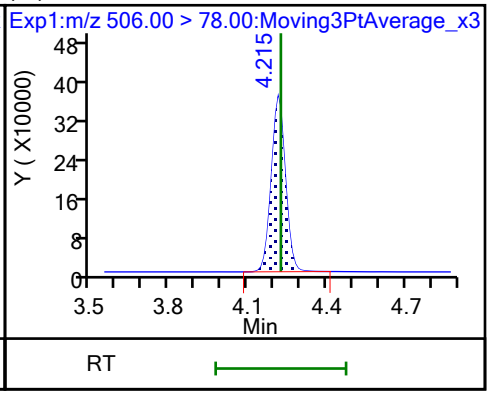
D 26 M2-8:2 FTS



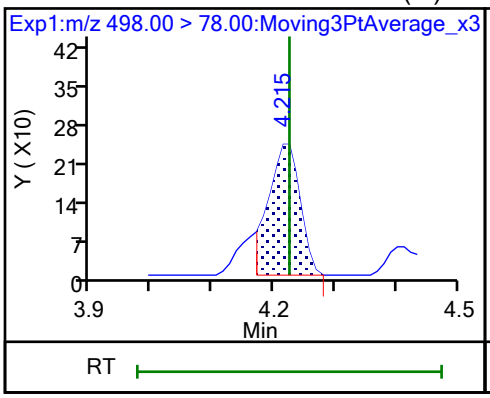
25 1H,1H,2H,2H-perfluorodecanesulfo



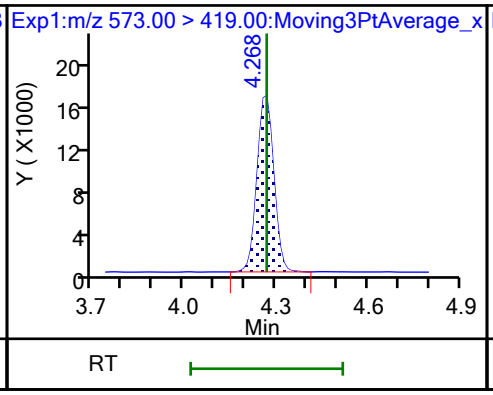
D 21 13C8 FOSA



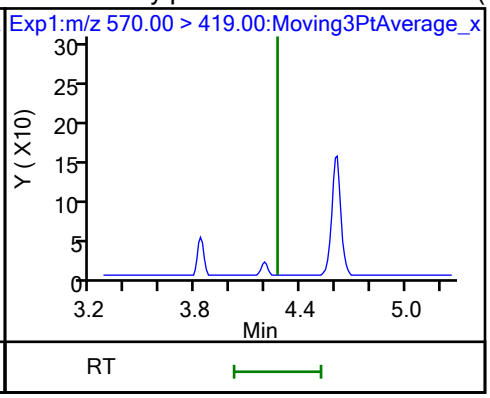
22 Perfluorooctanesulfonamide (M)



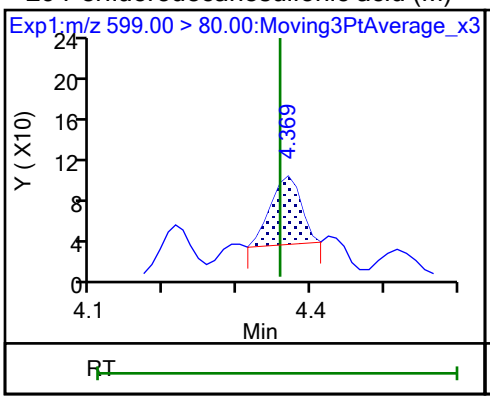
D 27 d3-NMeFOSAA



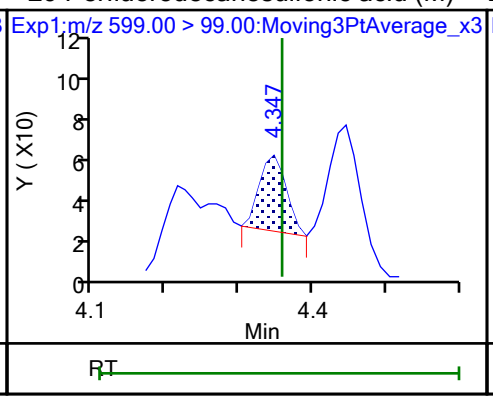
28 N-methylperfluorooctanesulfonami (ND)



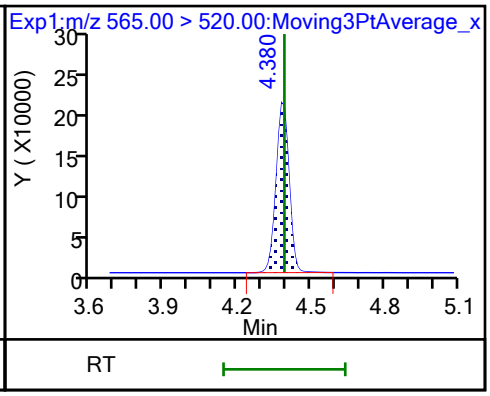
29 Perfluorodecanesulfonic acid (M)



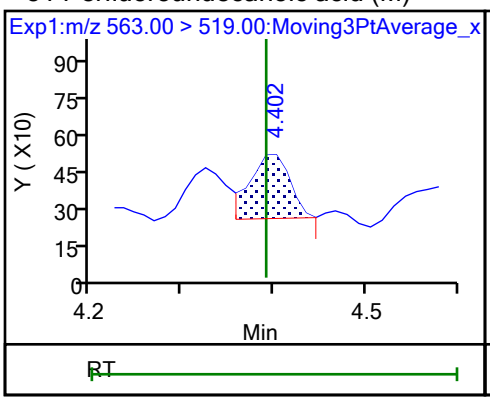
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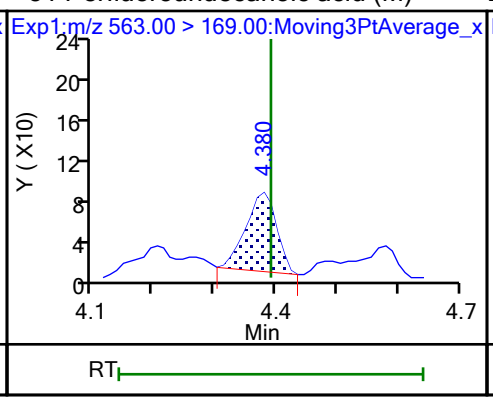
D 30 13C2 PFUnA



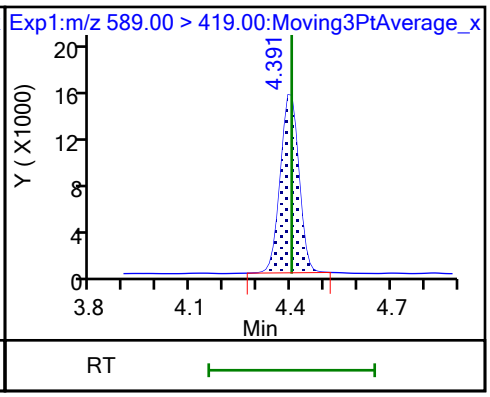
31 Perfluoroundecanoic acid (M)



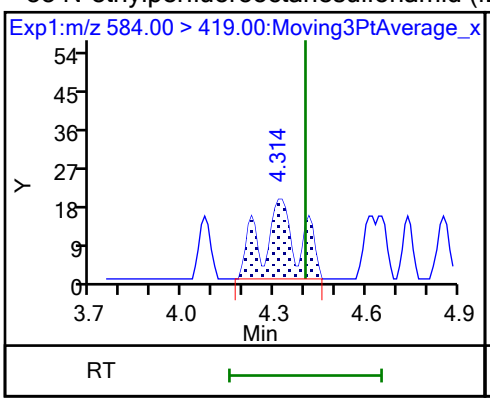
31 Perfluoroundecanoic acid (M)



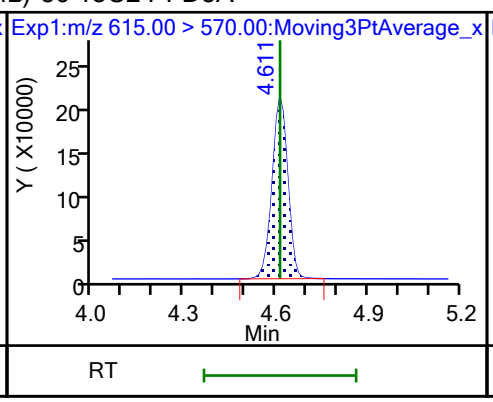
D 32 d5-NEtFOSAA



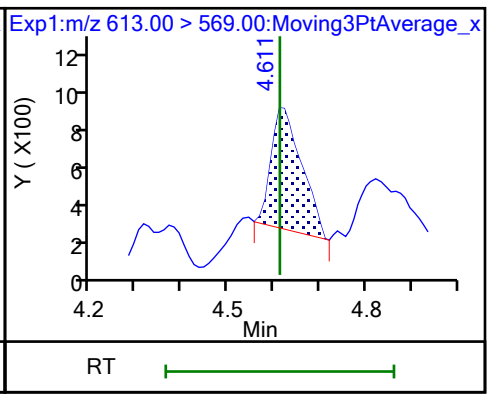
33 N-ethylperfluorooctanesulfonamid (ND)



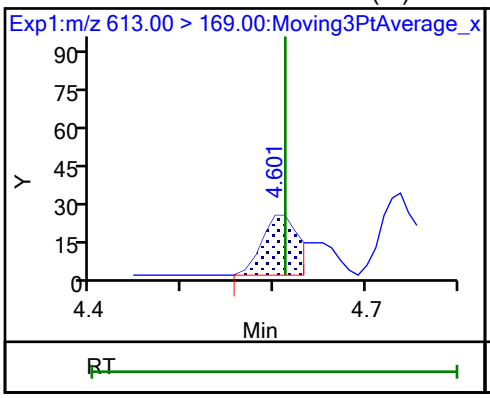
D 36 13C2 PFDoA



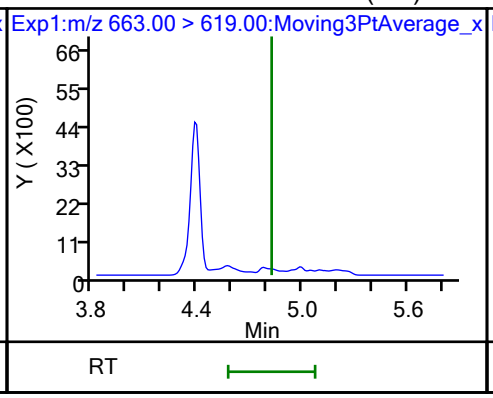
37 Perfluorododecanoic acid



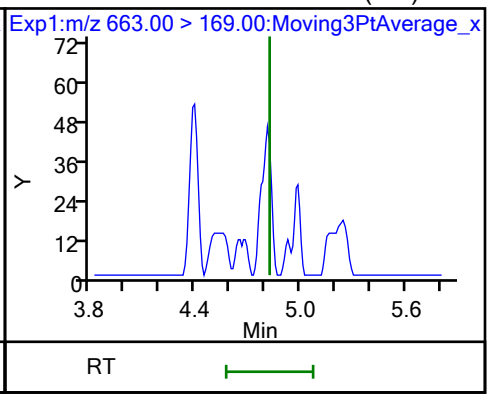
37 Perfluorododecanoic acid (M)



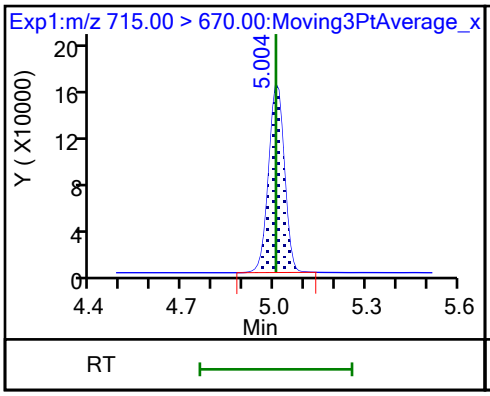
41 Perfluorotridecanoic acid (ND)



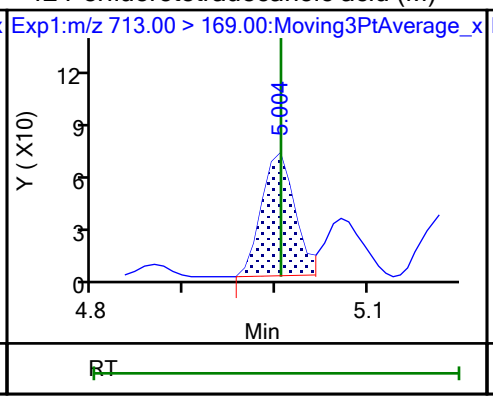
41 Perfluorotridecanoic acid (ND)



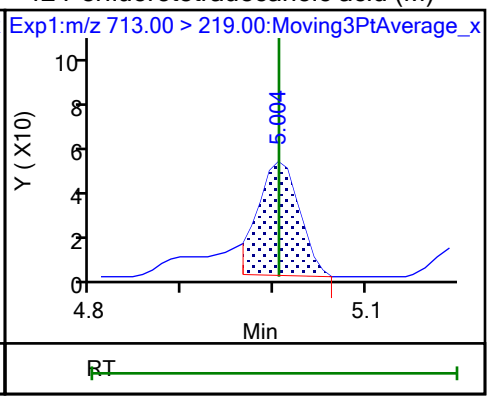
D 43 13C2 PFTeDA



42 Perfluorotetradecanoic acid (M)



42 Perfluorotetradecanoic acid (M)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

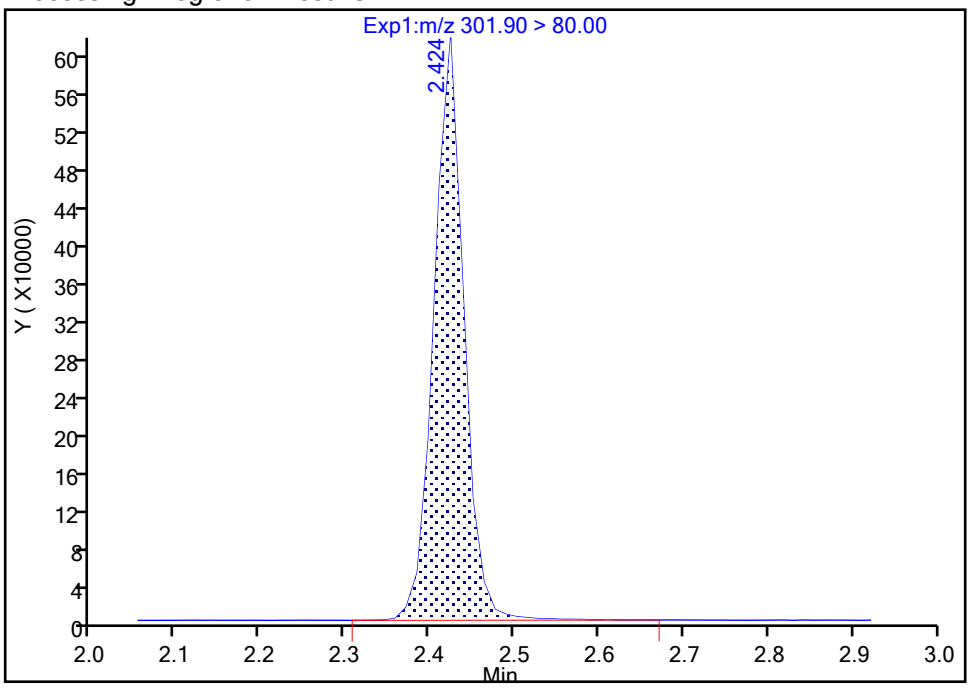
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Injection Date:	03-Mar-2021 20:29:19	Instrument ID:	LC812		
Lims ID:	480-181441-A-4-A	Lab Sample ID:	200-181441-4		
Client ID:	MW-3D-022321				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

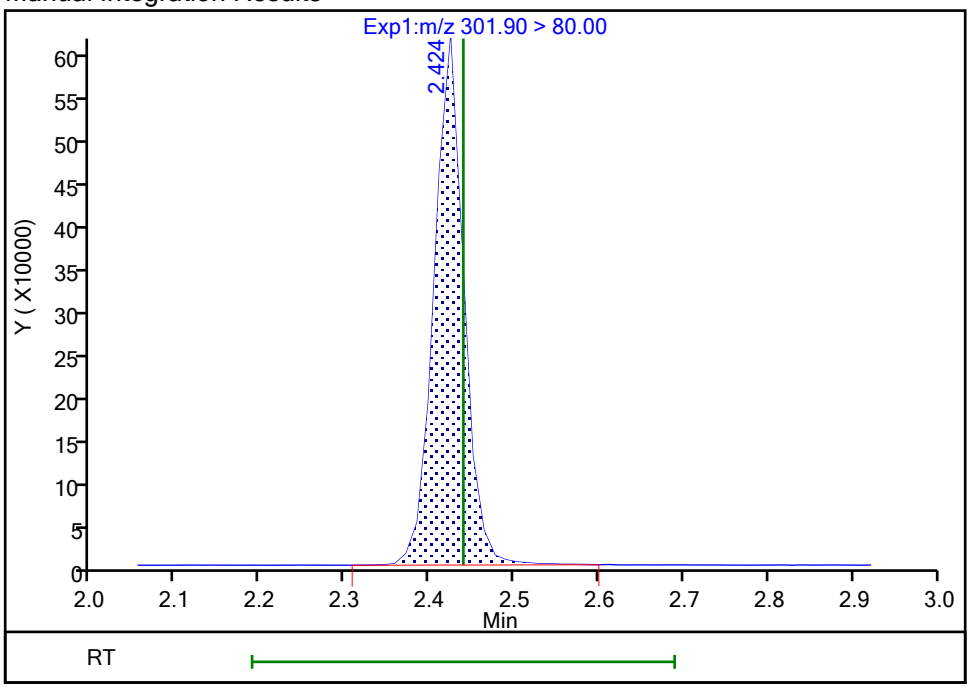
Processing Integration Results

RT: 2.42
Area: 1497426
Amount: 1.234099
Amount Units: ng/ml



Manual Integration Results

RT: 2.42
Area: 1494317
Amount: 1.231537
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:15:20

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

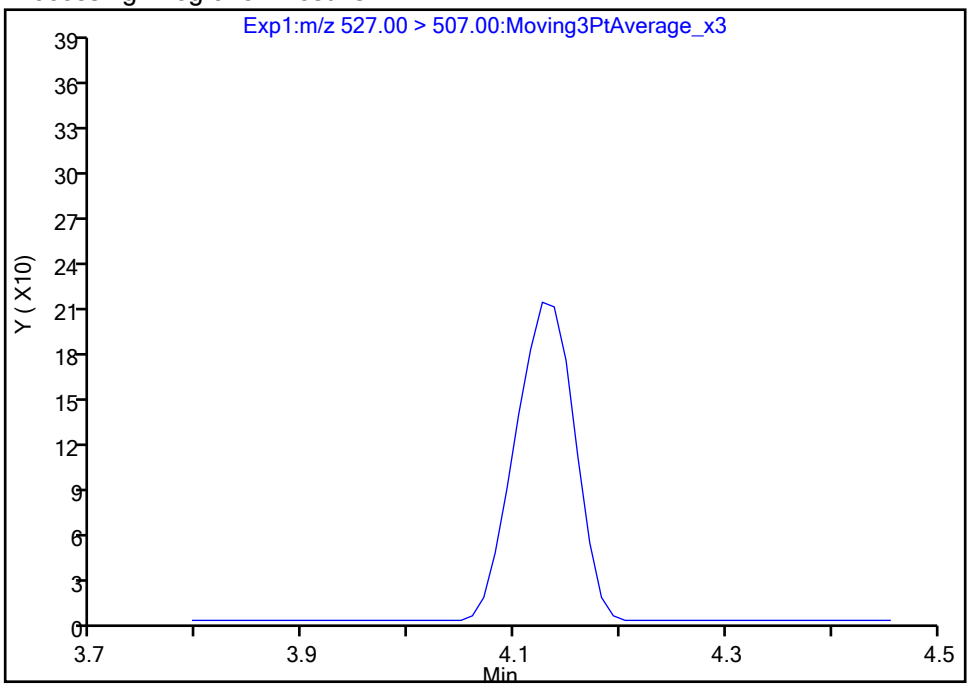
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Injection Date:	03-Mar-2021 20:29:19	Instrument ID:	LC812		
Lims ID:	480-181441-A-4-A	Lab Sample ID:	200-181441-4		
Client ID:	MW-3D-022321				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

25 1H,1H,2H,2H-perfluorodecanesulfo, CAS: 39108-34-4

Signal: 1

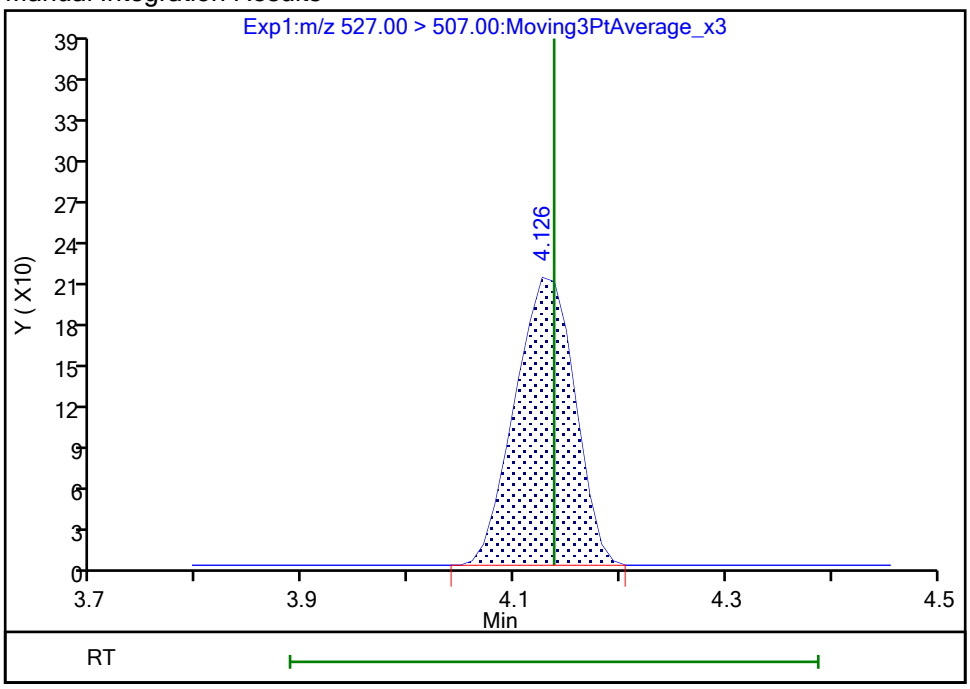
Not Detected
Expected RT: 4.14

Processing Integration Results



Manual Integration Results

RT: 4.13
Area: 817
Amount: 0.009315
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:17:33
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

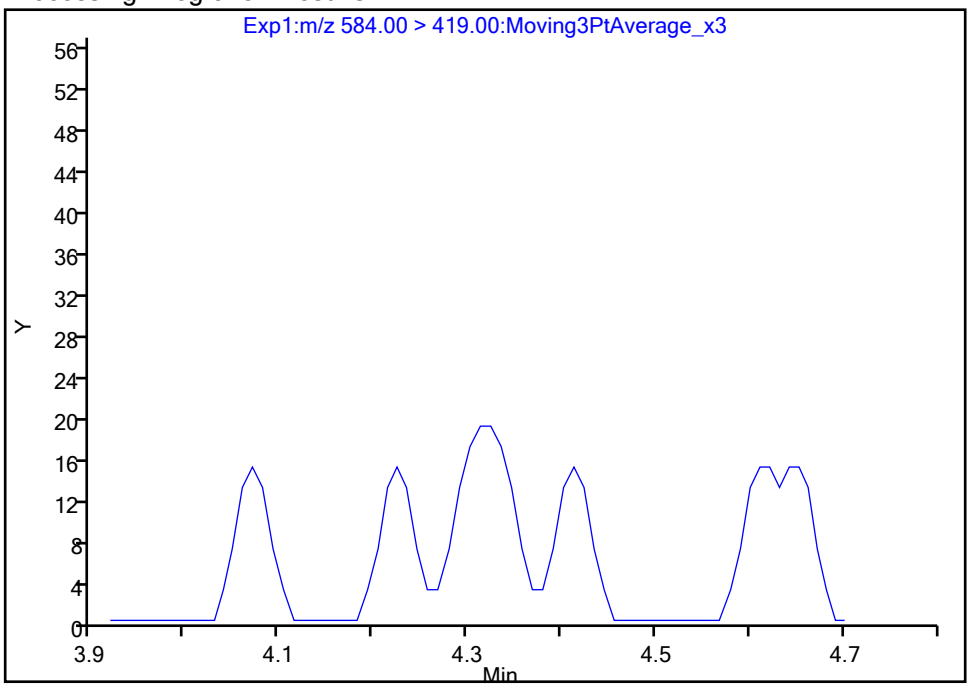
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B12.d				
Injection Date:	03-Mar-2021 20:29:19	Instrument ID:	LC812		
Lims ID:	480-181441-A-4-A	Lab Sample ID:	200-181441-4		
Client ID:	MW-3D-022321				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

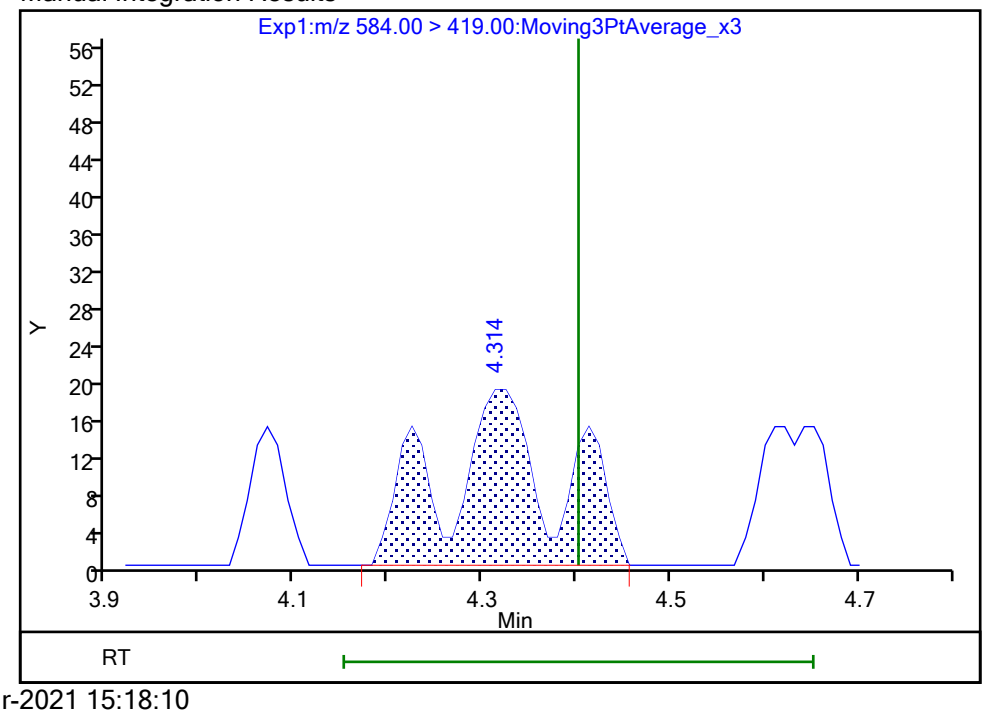
Not Detected
Expected RT: 4.40

Processing Integration Results



Manual Integration Results

RT: 4.31
Area: 156
Amount: 0.003617
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:18:10
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

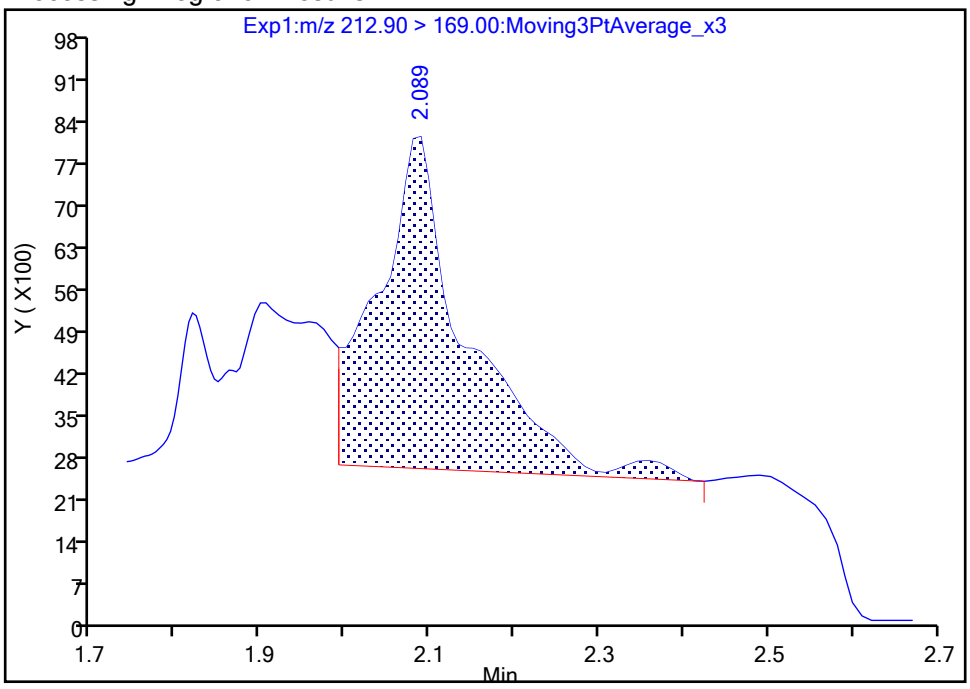
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B12.d				
Injection Date:	03-Mar-2021 20:29:19	Instrument ID:	LC812		
Lims ID:	480-181441-A-4-A	Lab Sample ID:	200-181441-4		
Client ID:	MW-3D-022321				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

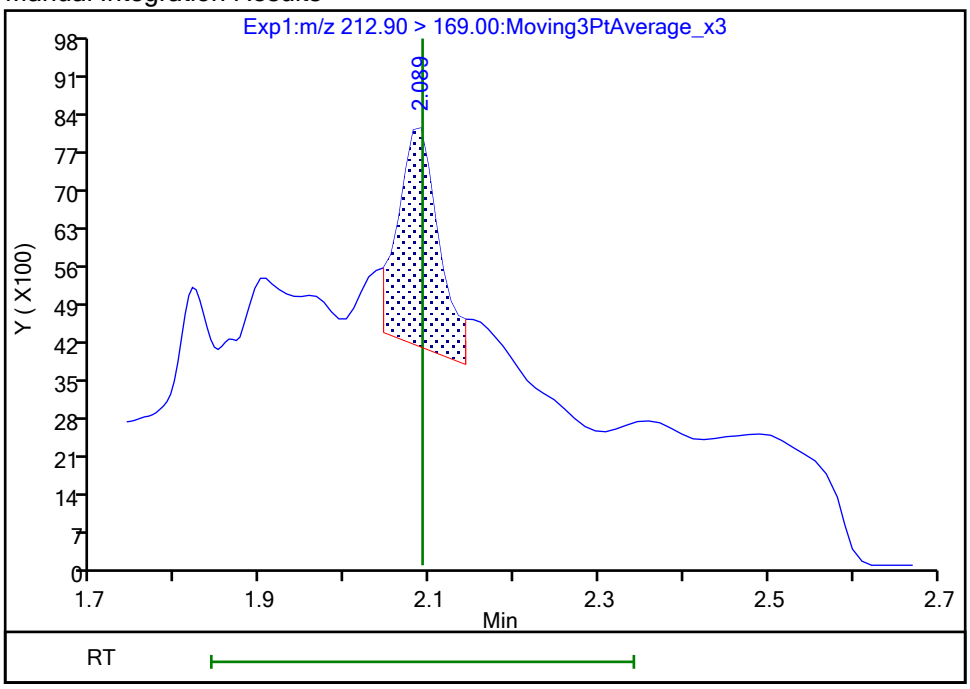
Processing Integration Results

RT: 2.09
Area: 40690
Amount: 0.037455
Amount Units: ng/ml



Manual Integration Results

RT: 2.09
Area: 13420
Amount: 0.012353
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:15:36

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

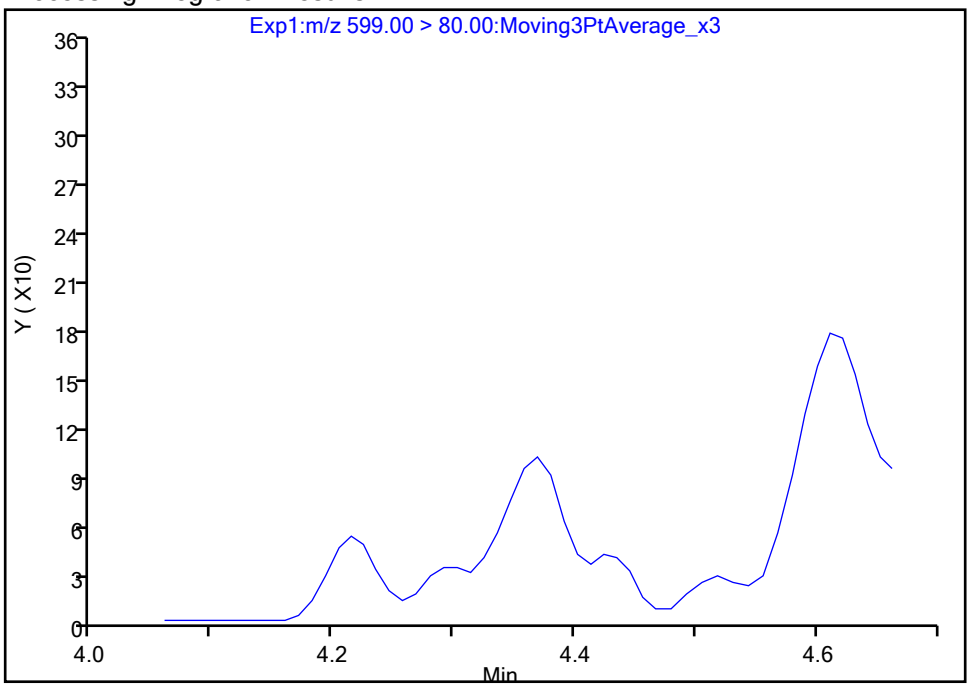
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B12.d				
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Lims ID:	480-181441-A-4-A	Lab Sample ID:	200-181441-4		
Client ID:	MW-3D-022321				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

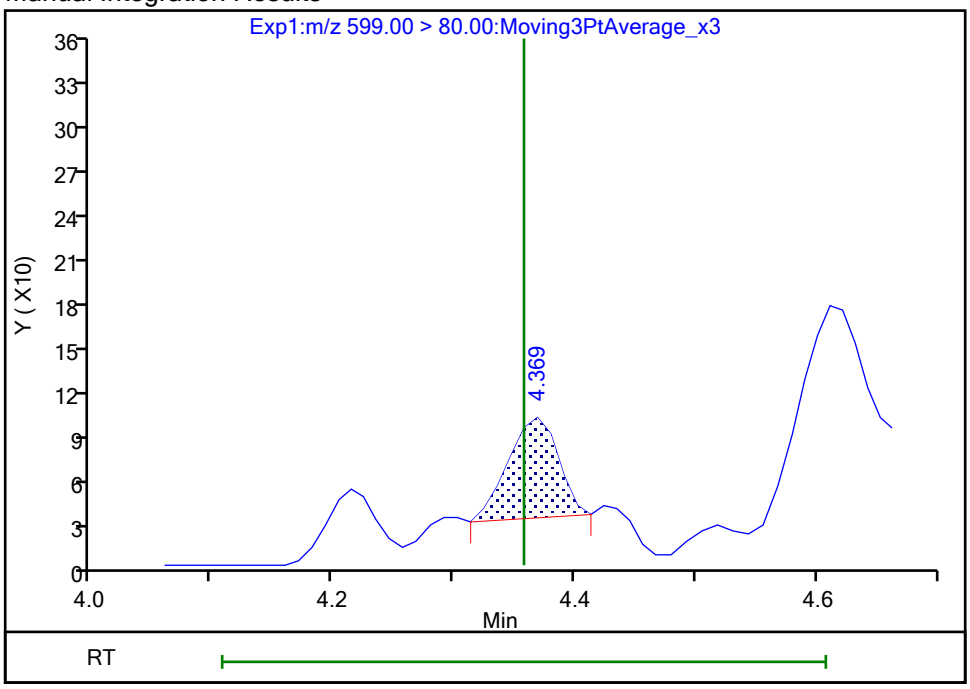
Not Detected
Expected RT: 4.36

Processing Integration Results



Manual Integration Results

RT: 4.37
Area: 193
Amount: 0.000439
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:17:50
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

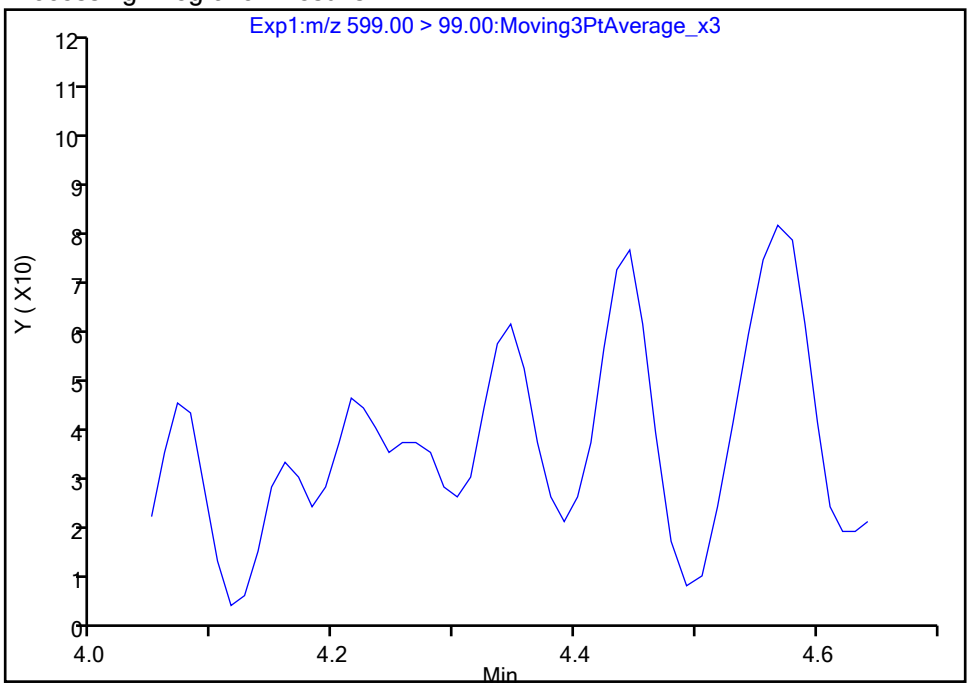
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B12.d				
Injection Date:	03-Mar-2021 20:29:19	Instrument ID:	LC812		
Lims ID:	480-181441-A-4-A	Lab Sample ID:	200-181441-4		
Client ID:	MW-3D-022321				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

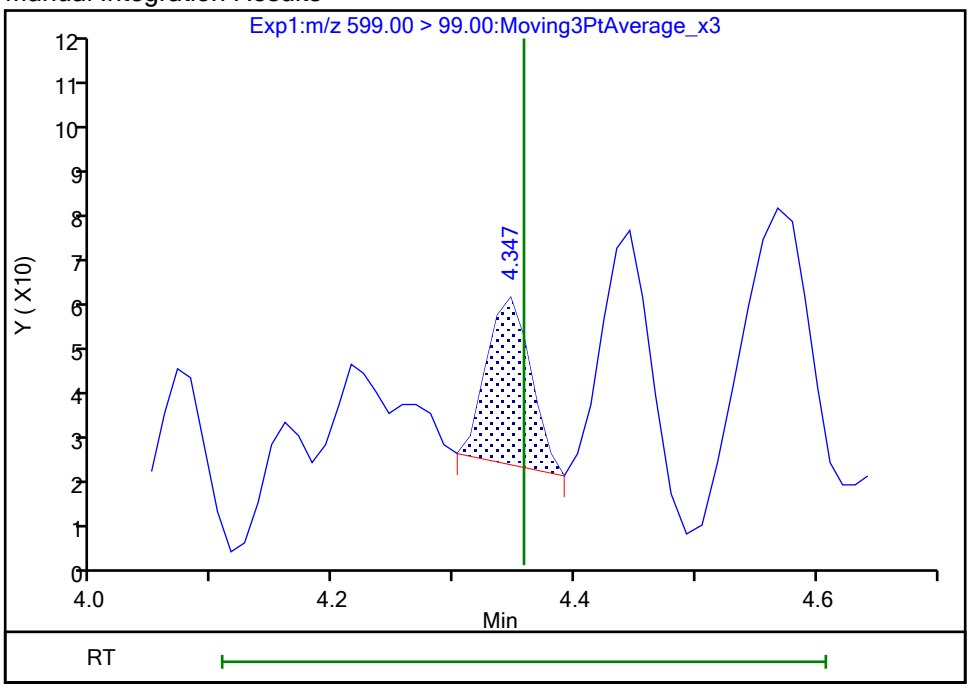
Not Detected
Expected RT: 4.36

Processing Integration Results



Manual Integration Results

RT: 4.35
Area: 94
Amount: 0.000439
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:17:53
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

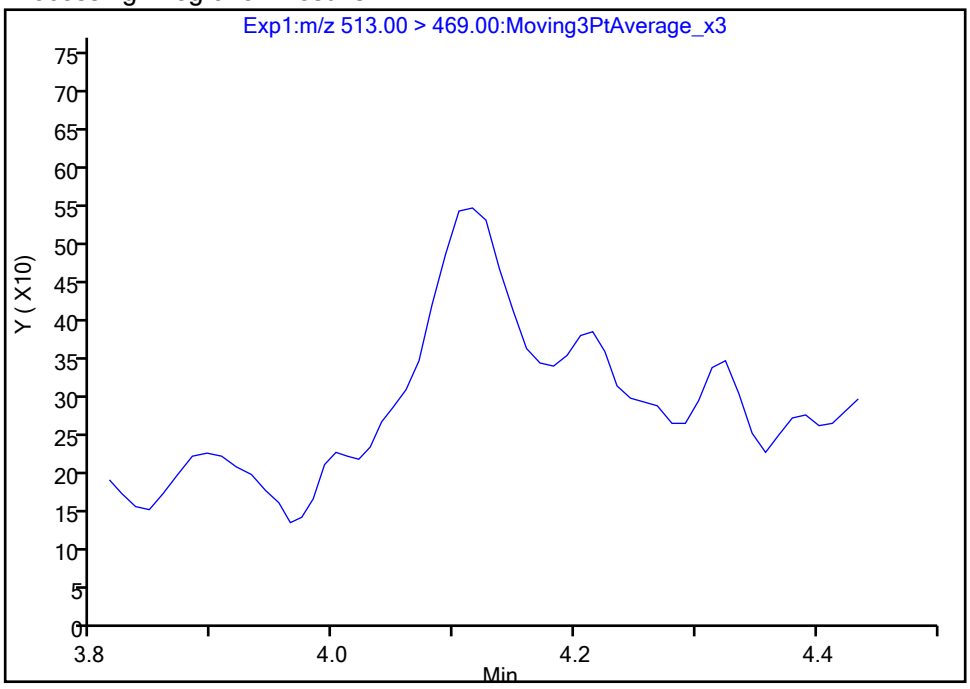
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B12.d				
Injection Date:	03-Mar-2021 20:29:19	Instrument ID:	LC812		
Lims ID:	480-181441-A-4-A	Lab Sample ID:	200-181441-4		
Client ID:	MW-3D-022321				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

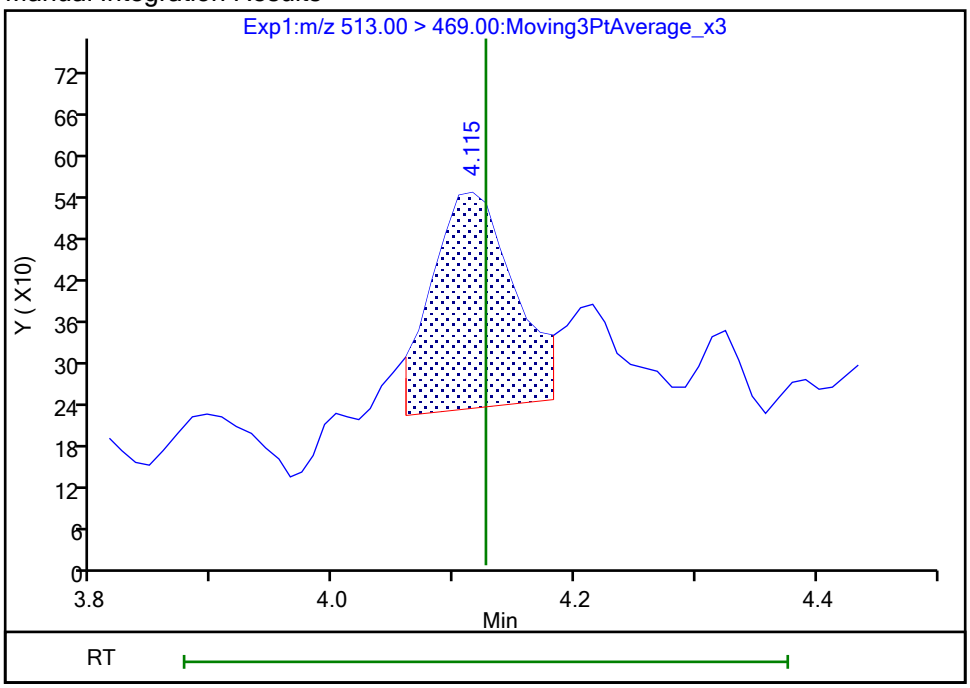
Not Detected
Expected RT: 4.13

Processing Integration Results



Manual Integration Results

RT: 4.12
Area: 1467
Amount: 0.001781
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:17:24
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

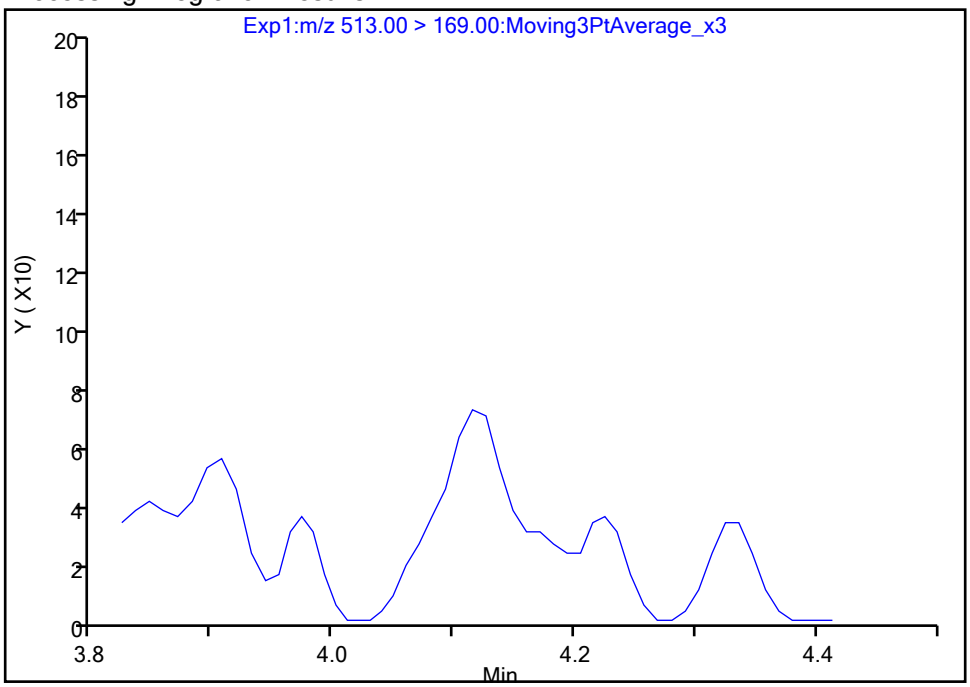
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B12.d				
Injection Date:	03-Mar-2021 20:29:19	Instrument ID:	LC812		
Lims ID:	480-181441-A-4-A	Lab Sample ID:	200-181441-4		
Client ID:	MW-3D-022321				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

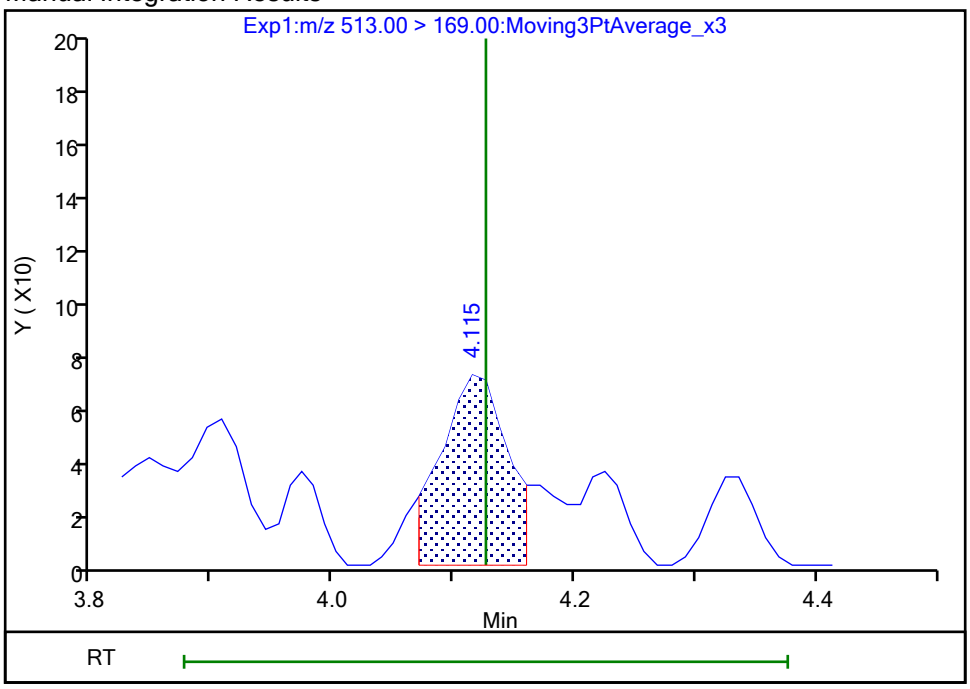
Not Detected
Expected RT: 4.13

Processing Integration Results



Manual Integration Results

RT: 4.12
Area: 258
Amount: 0.001781
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:17:26
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

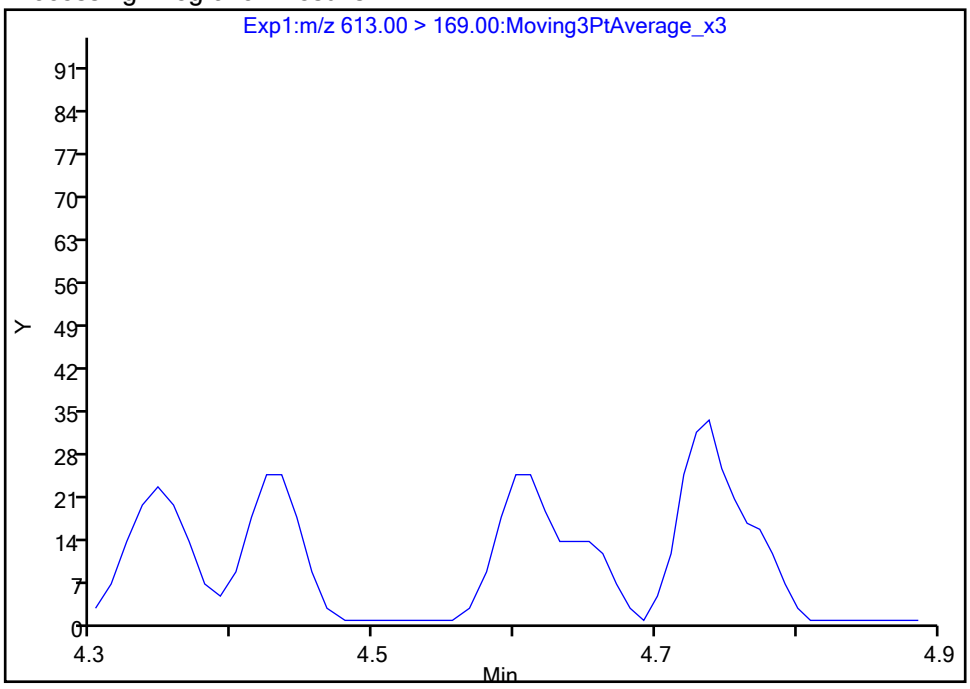
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B12.d				
Injection Date:	03-Mar-2021 20:29:19	Instrument ID:	LC812		
Lims ID:	480-181441-A-4-A	Lab Sample ID:	200-181441-4		
Client ID:	MW-3D-022321				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

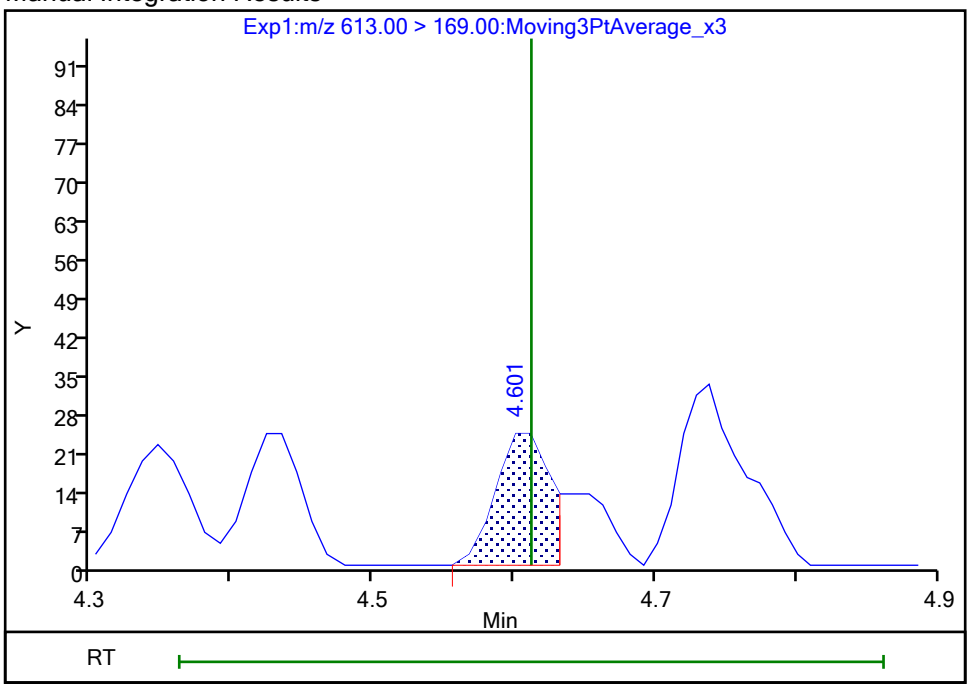
Not Detected
Expected RT: 4.61

Processing Integration Results



Manual Integration Results

RT: 4.60
Area: 62
Amount: 0.004279
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:18:18
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

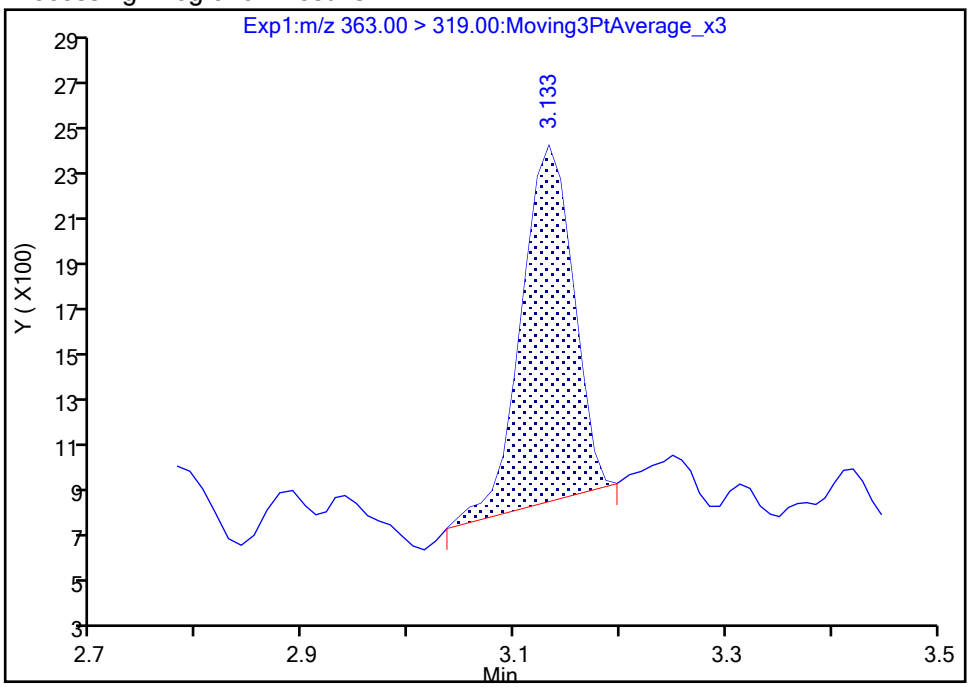
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B12.d				
Injection Date:	03-Mar-2021 20:29:19	Instrument ID:	LC812		
Lims ID:	480-181441-A-4-A	Lab Sample ID:	200-181441-4		
Client ID:	MW-3D-022321				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

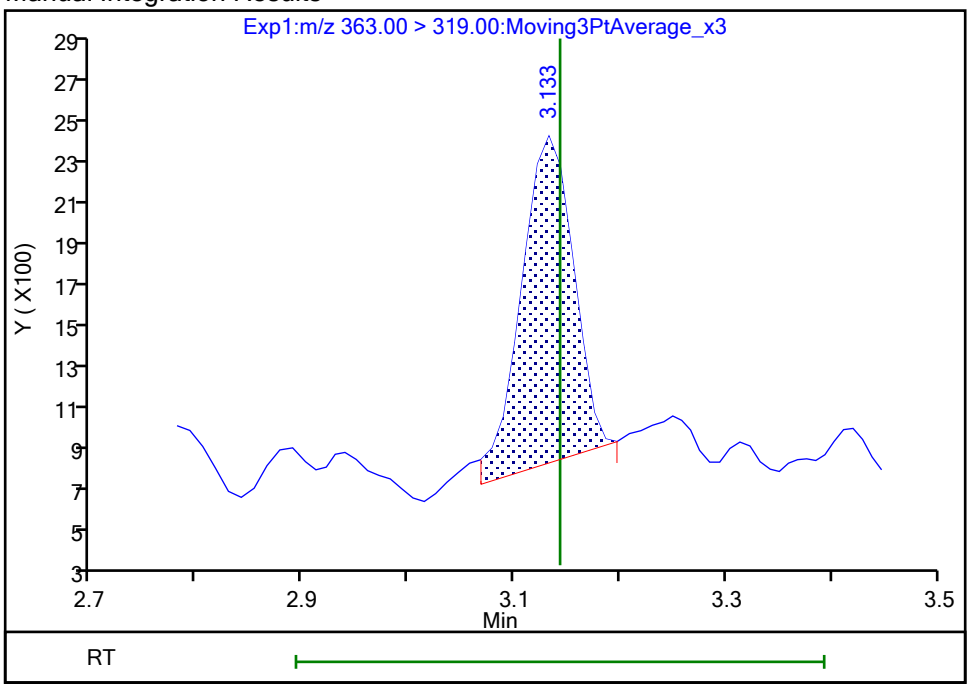
Processing Integration Results

RT: 3.13
Area: 5312
Amount: 0.004784
Amount Units: ng/ml



Manual Integration Results

RT: 3.13
Area: 5416
Amount: 0.004878
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:16:07

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

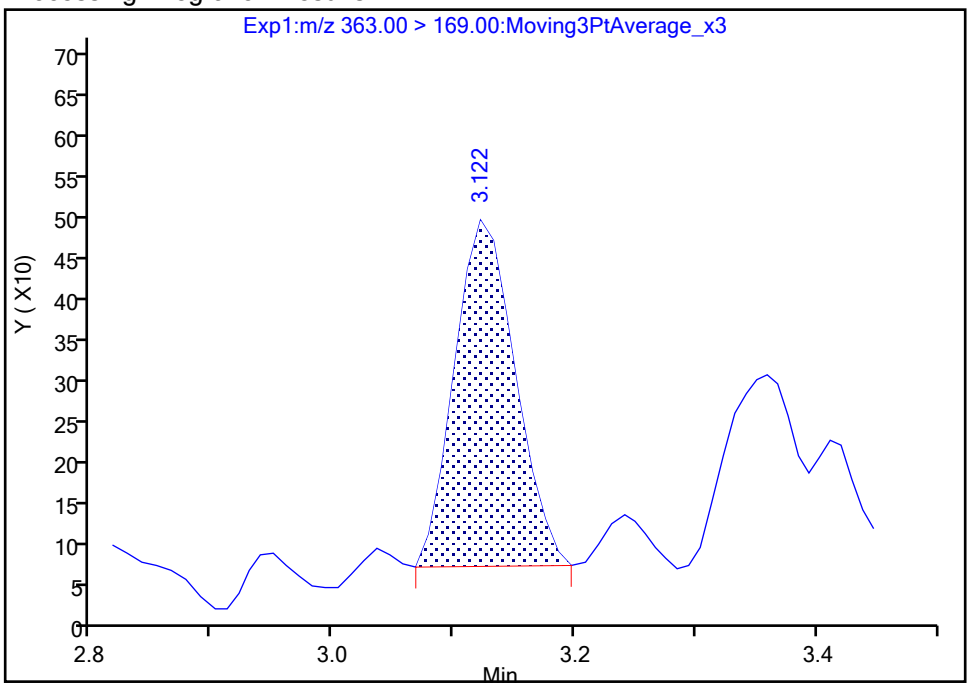
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B12.d				
Injection Date:	03-Mar-2021 20:29:19	Instrument ID:	LC812		
Lims ID:	480-181441-A-4-A	Lab Sample ID:	200-181441-4		
Client ID:	MW-3D-022321				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

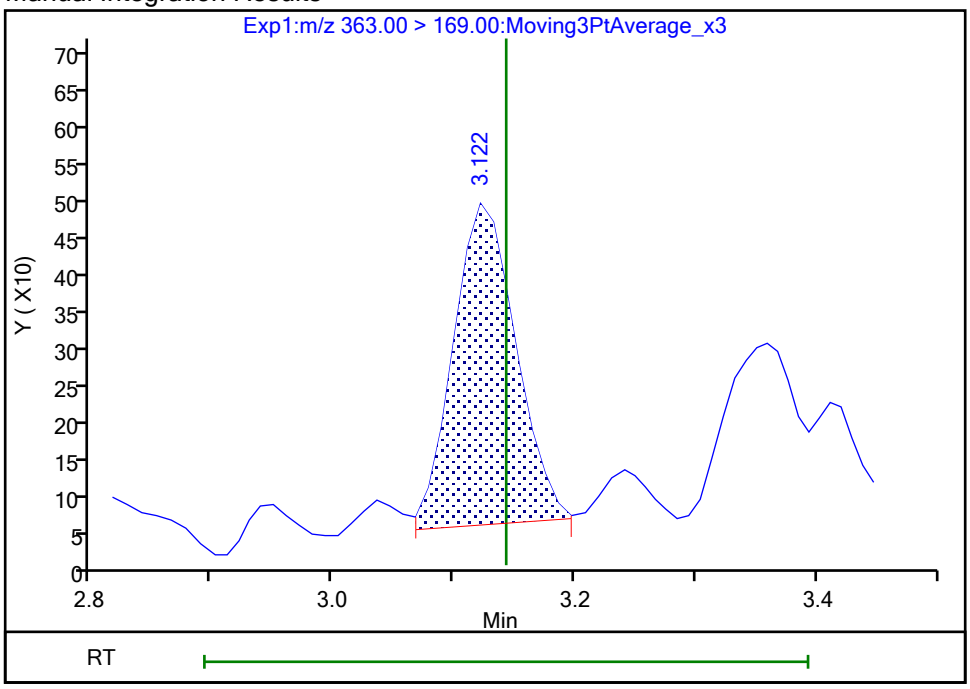
Processing Integration Results

RT: 3.12
Area: 1477
Amount: 0.004784
Amount Units: ng/ml



Manual Integration Results

RT: 3.12
Area: 1558
Amount: 0.004878
Amount Units: ng/ml



Reviewer: deannd, 04-Mar-2021 09:37:44
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

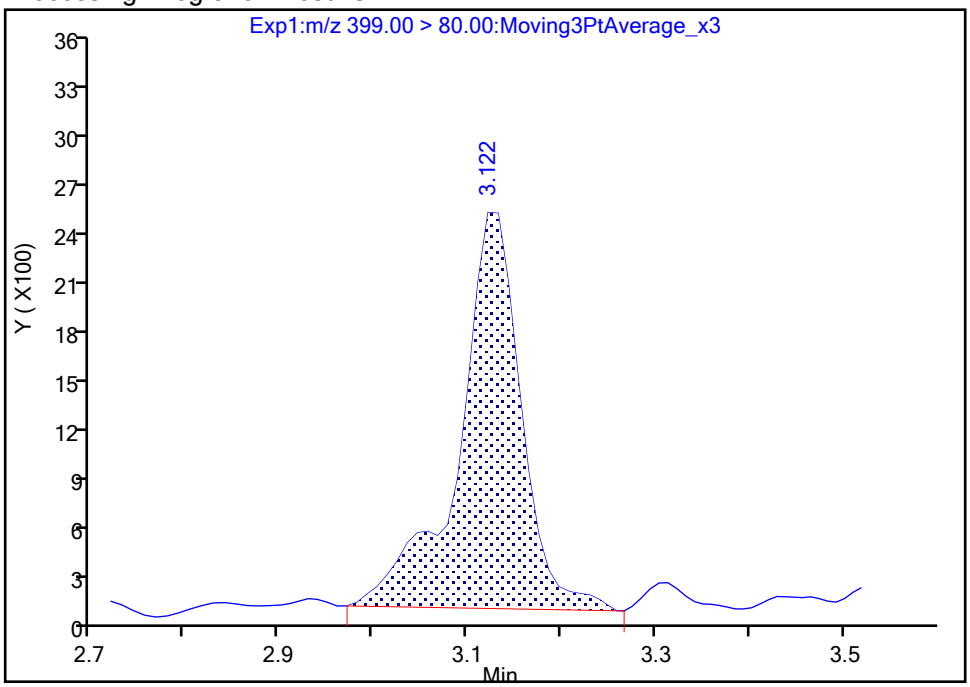
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B12.d				
Injection Date:	03-Mar-2021 20:29:19	Instrument ID:	LC812		
Lims ID:	480-181441-A-4-A	Lab Sample ID:	200-181441-4		
Client ID:	MW-3D-022321				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

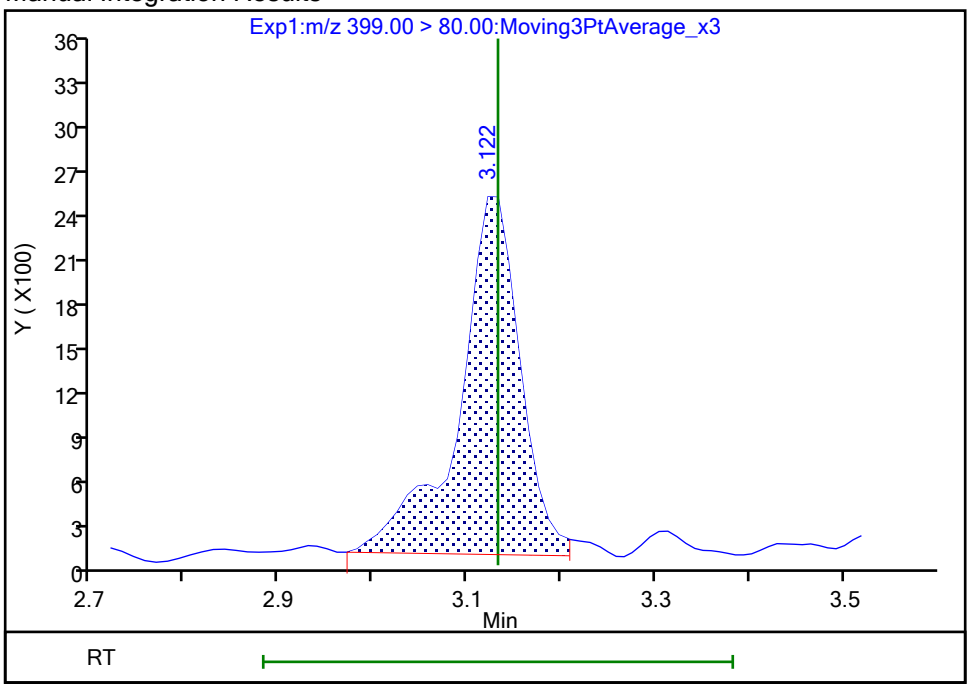
Processing Integration Results

RT: 3.12
Area: 11042
Amount: 0.009467
Amount Units: ng/ml



Manual Integration Results

RT: 3.12
Area: 10828
Amount: 0.009284
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:15:57

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

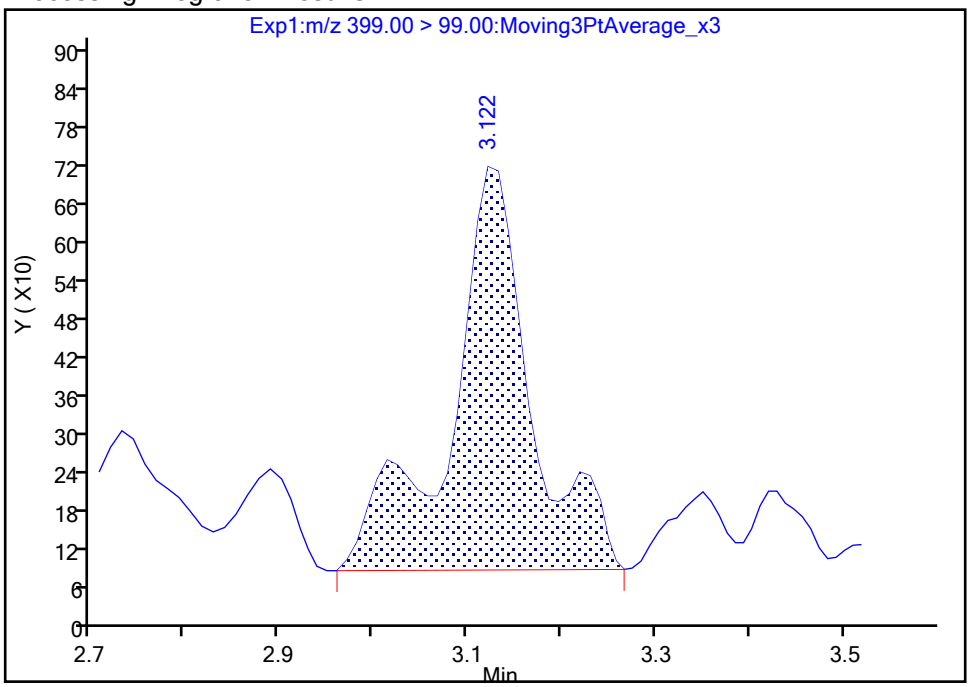
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B12.d				
Injection Date:	03-Mar-2021 20:29:19	Instrument ID:	LC812		
Lims ID:	480-181441-A-4-A	Lab Sample ID:	200-181441-4		
Client ID:	MW-3D-022321				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

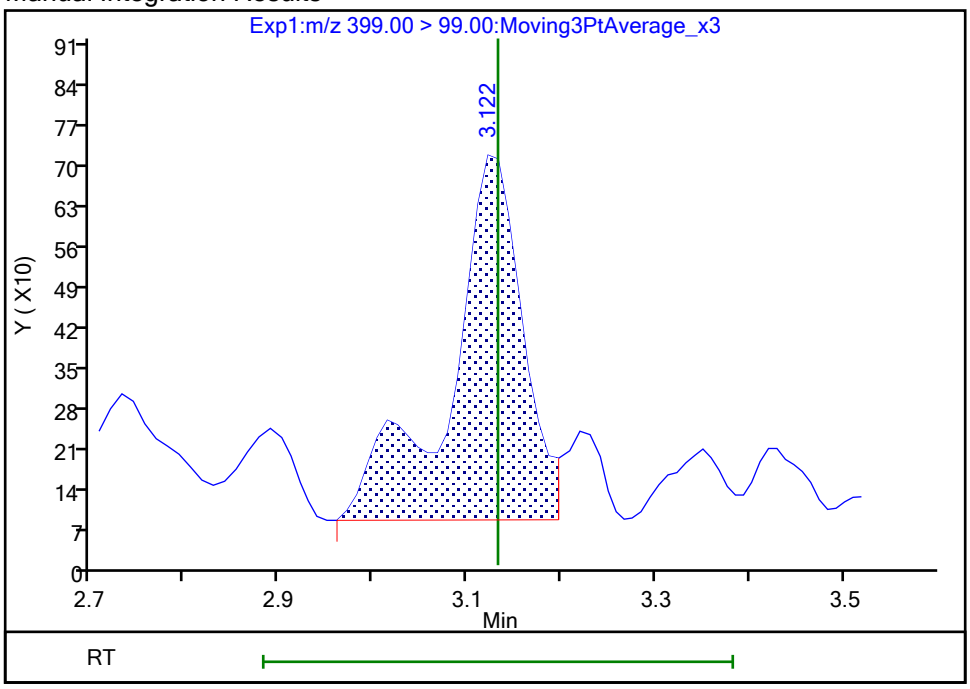
Processing Integration Results

RT: 3.12
Area: 3805
Amount: 0.009467
Amount Units: ng/ml



Manual Integration Results

RT: 3.12
Area: 3401
Amount: 0.009284
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:16:00
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

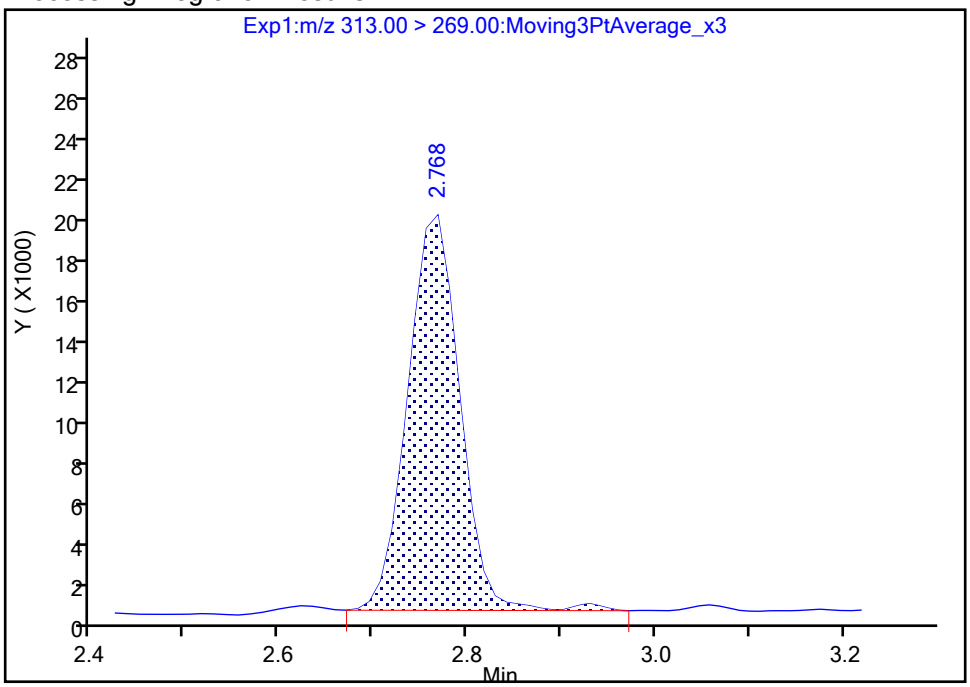
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B12.d				
Injection Date:	03-Mar-2021 20:29:19	Instrument ID:	LC812		
Lims ID:	480-181441-A-4-A	Lab Sample ID:	200-181441-4		
Client ID:	MW-3D-022321				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

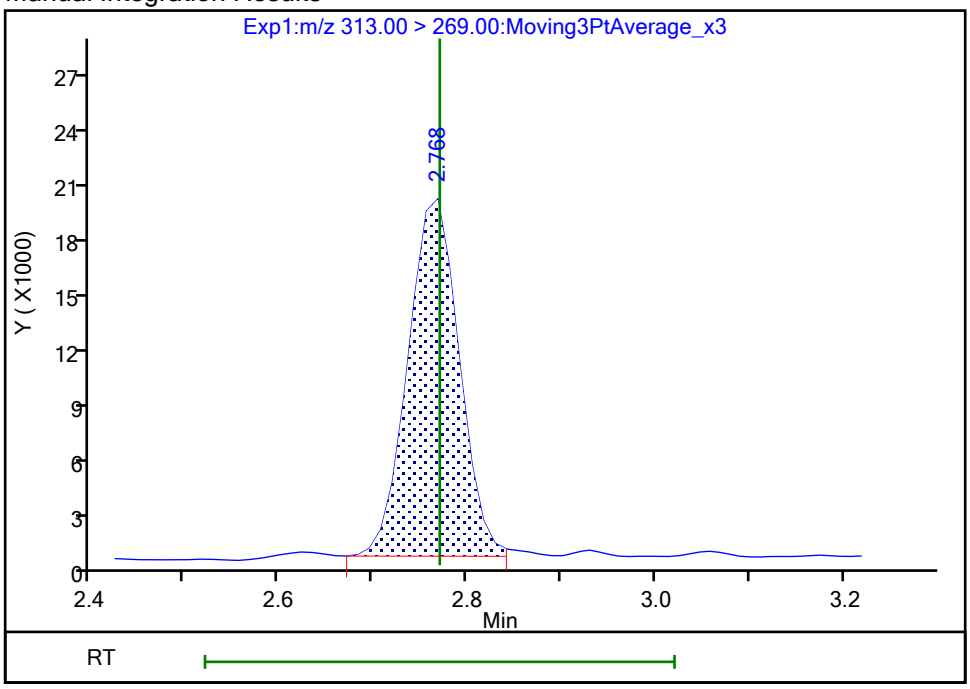
Processing Integration Results

RT: 2.77
Area: 73015
Amount: 0.062475
Amount Units: ng/ml



Manual Integration Results

RT: 2.77
Area: 71673
Amount: 0.061327
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:15:50

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

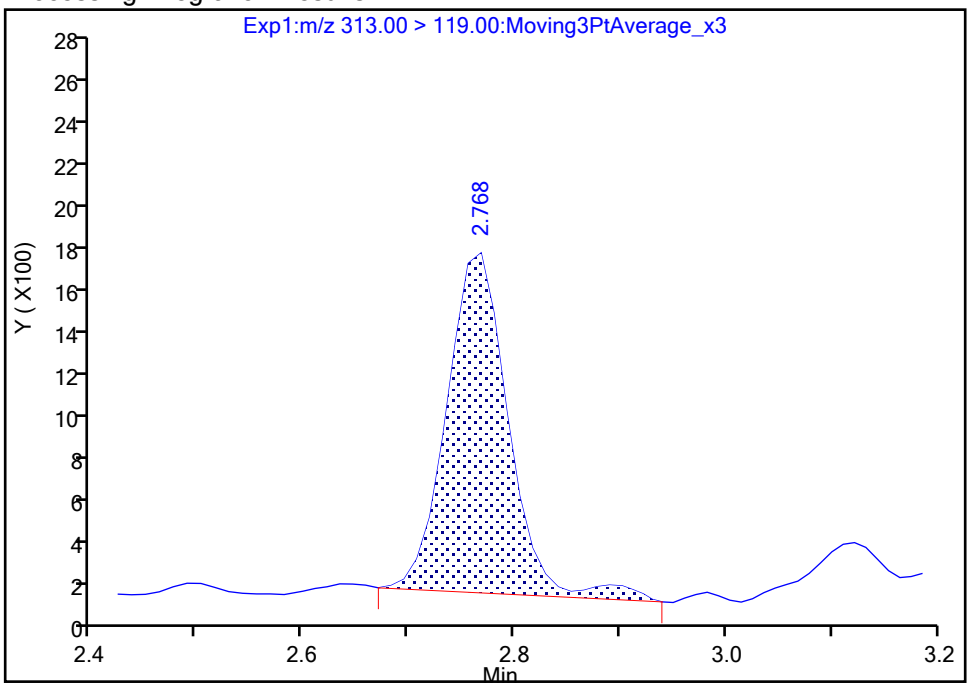
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B12.d				
Injection Date:	03-Mar-2021 20:29:19	Instrument ID:	LC812		
Lims ID:	480-181441-A-4-A	Lab Sample ID:	200-181441-4		
Client ID:	MW-3D-022321				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

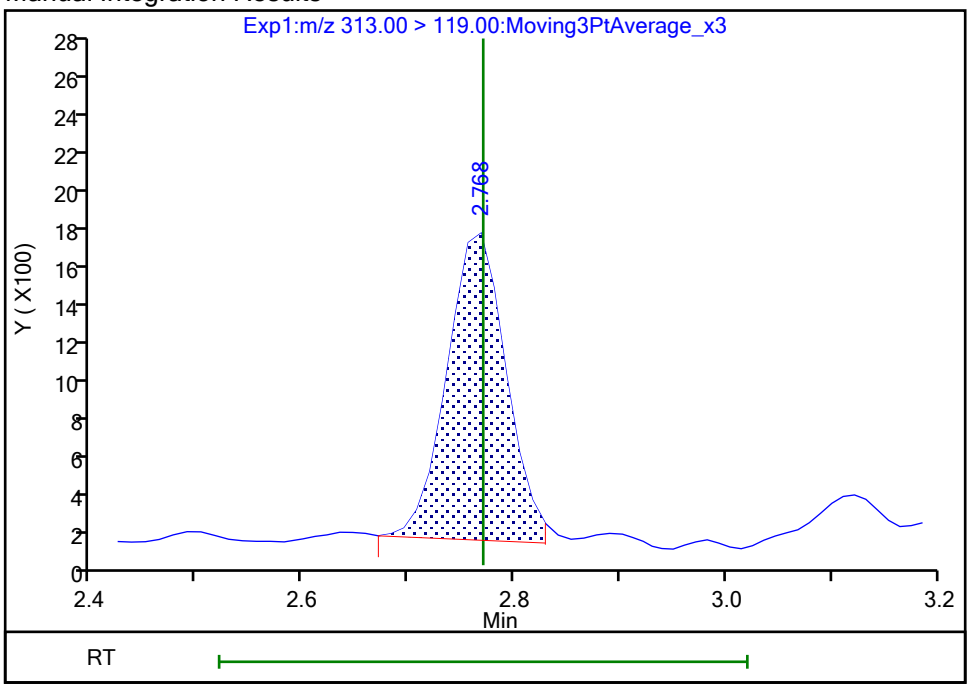
Processing Integration Results

RT: 2.77
Area: 6605
Amount: 0.062475
Amount Units: ng/ml



Manual Integration Results

RT: 2.77
Area: 6290
Amount: 0.061327
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:15:51
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

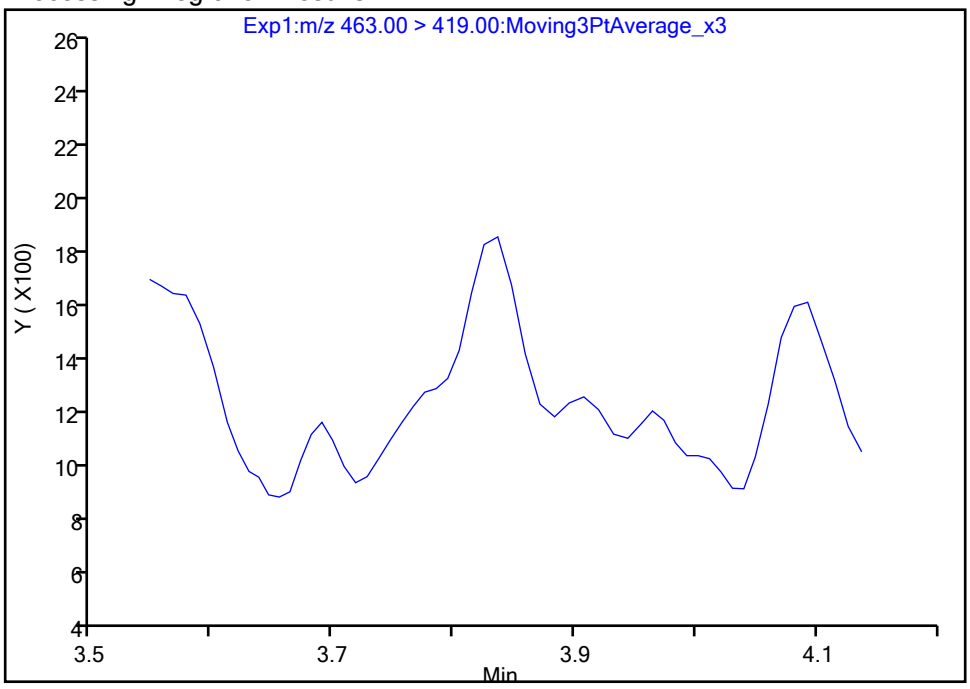
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B12.d				
Injection Date:	03-Mar-2021 20:29:19	Instrument ID:	LC812		
Lims ID:	480-181441-A-4-A	Lab Sample ID:	200-181441-4		
Client ID:	MW-3D-022321				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

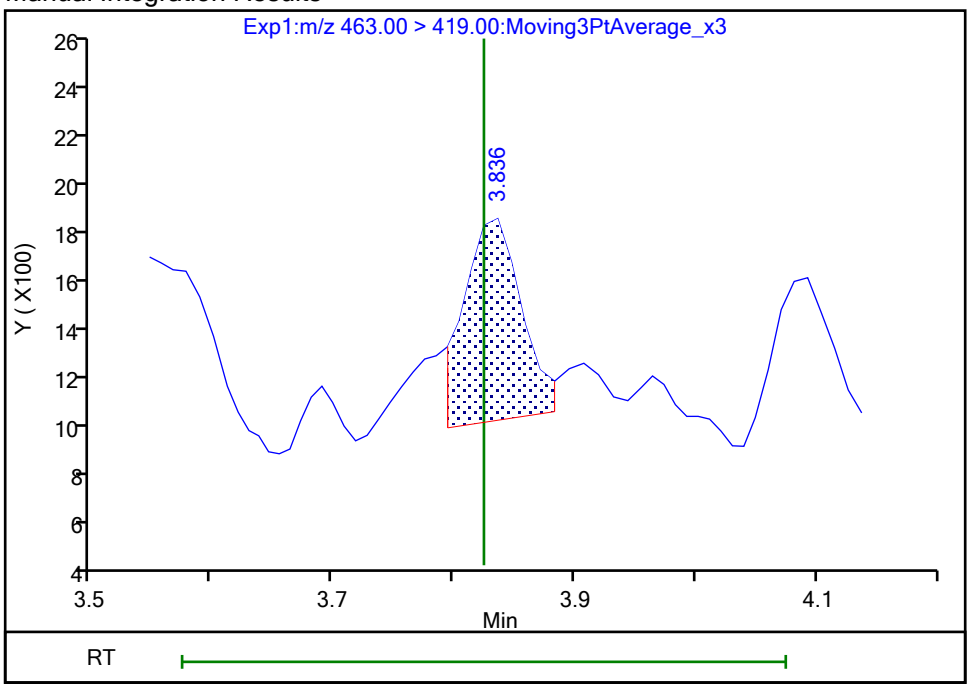
Not Detected
Expected RT: 3.82

Processing Integration Results



Manual Integration Results

RT: 3.84
Area: 2652
Amount: 0.002705
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:17:13
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

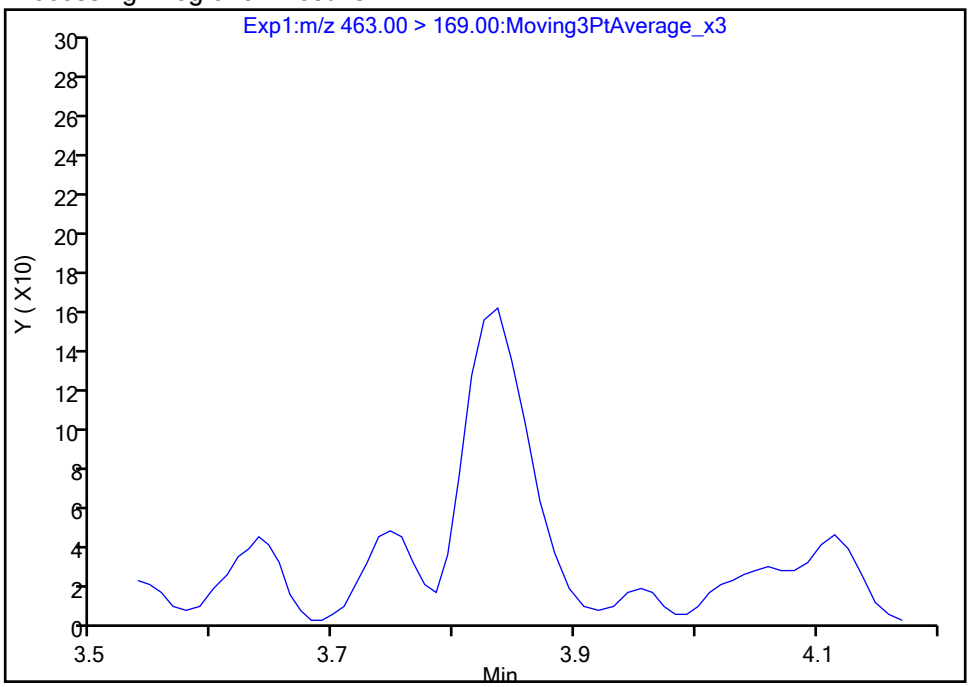
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B12.d				
Injection Date:	03-Mar-2021 20:29:19	Instrument ID:	LC812		
Lims ID:	480-181441-A-4-A	Lab Sample ID:	200-181441-4		
Client ID:	MW-3D-022321				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

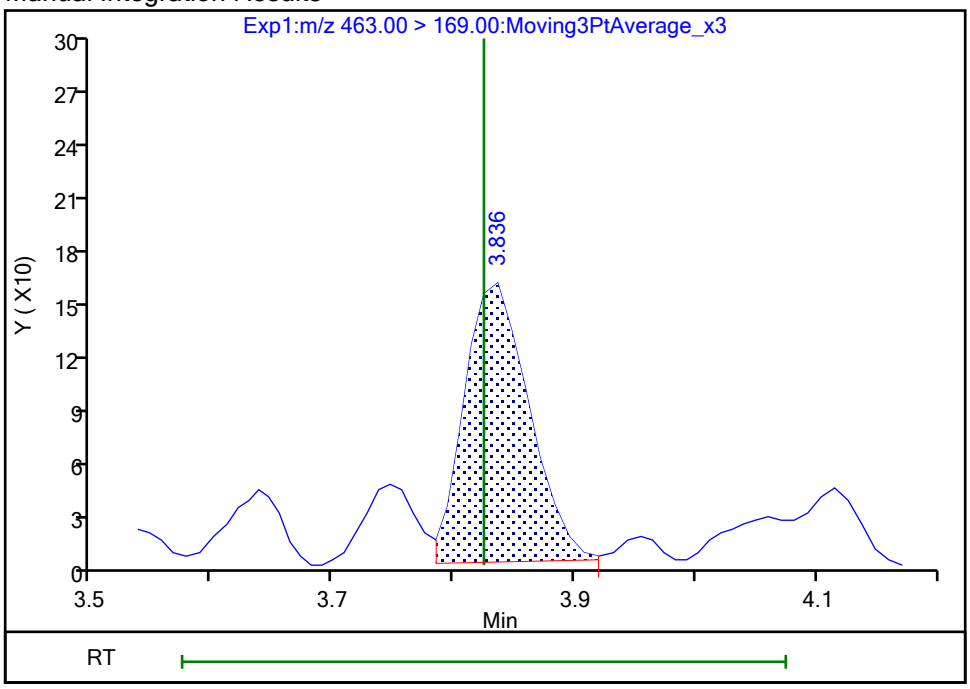
Not Detected
Expected RT: 3.82

Processing Integration Results



Manual Integration Results

RT: 3.84
Area: 577
Amount: 0.002705
Amount Units: ng/ml



Reviewer: deannd, 04-Mar-2021 09:37:57
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

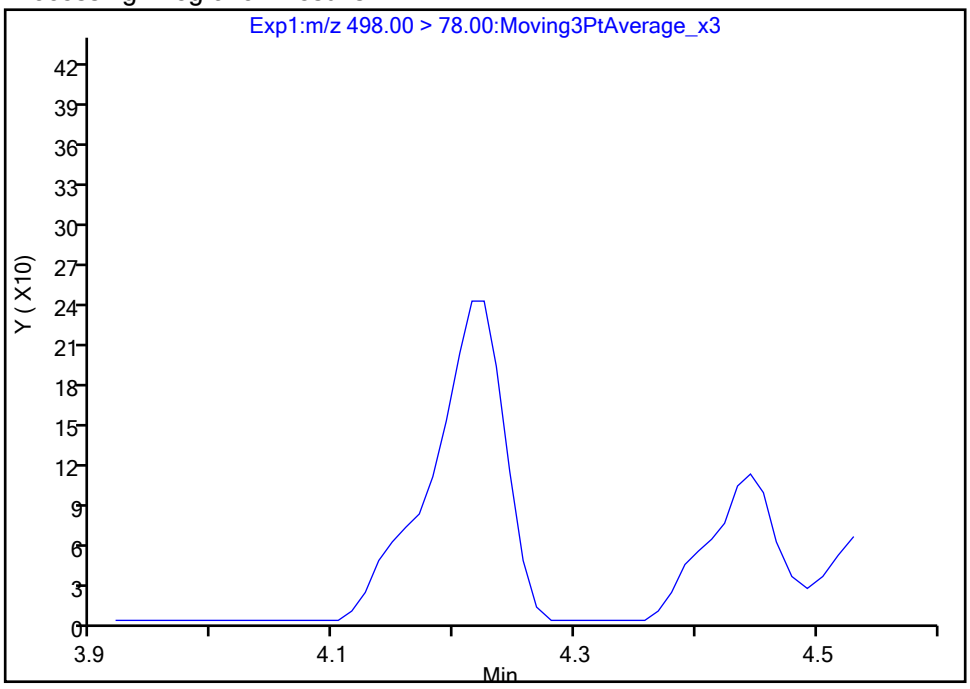
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B12.d				
Injection Date:	03-Mar-2021 20:29:19	Instrument ID:	LC812		
Lims ID:	480-181441-A-4-A	Lab Sample ID:	200-181441-4		
Client ID:	MW-3D-022321				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

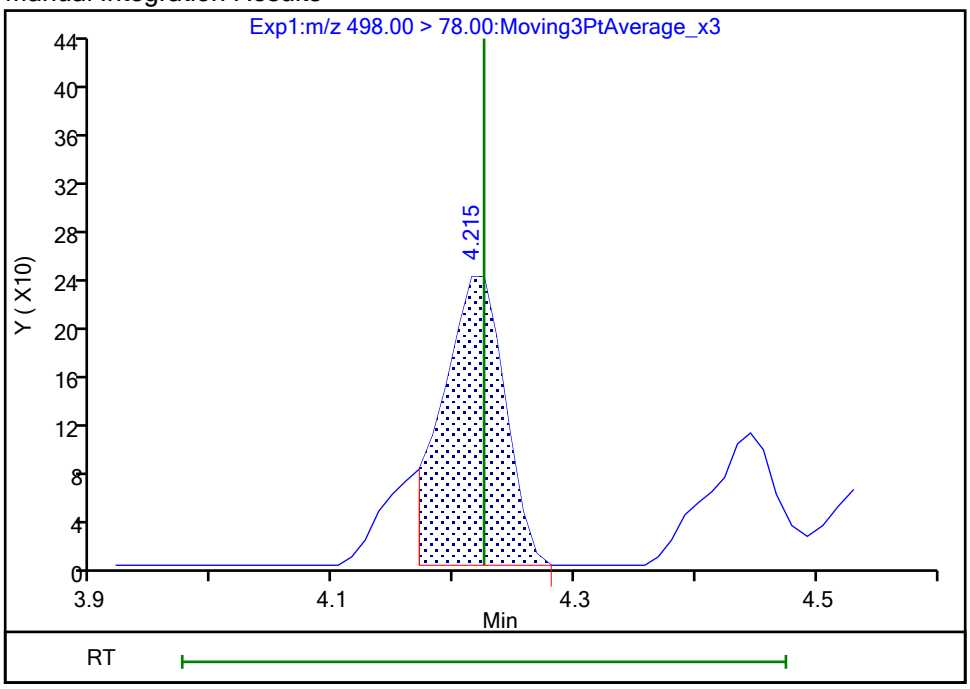
Not Detected
Expected RT: 4.22

Processing Integration Results



Manual Integration Results

RT: 4.21
Area: 851
Amount: 0.000784
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:17:39
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

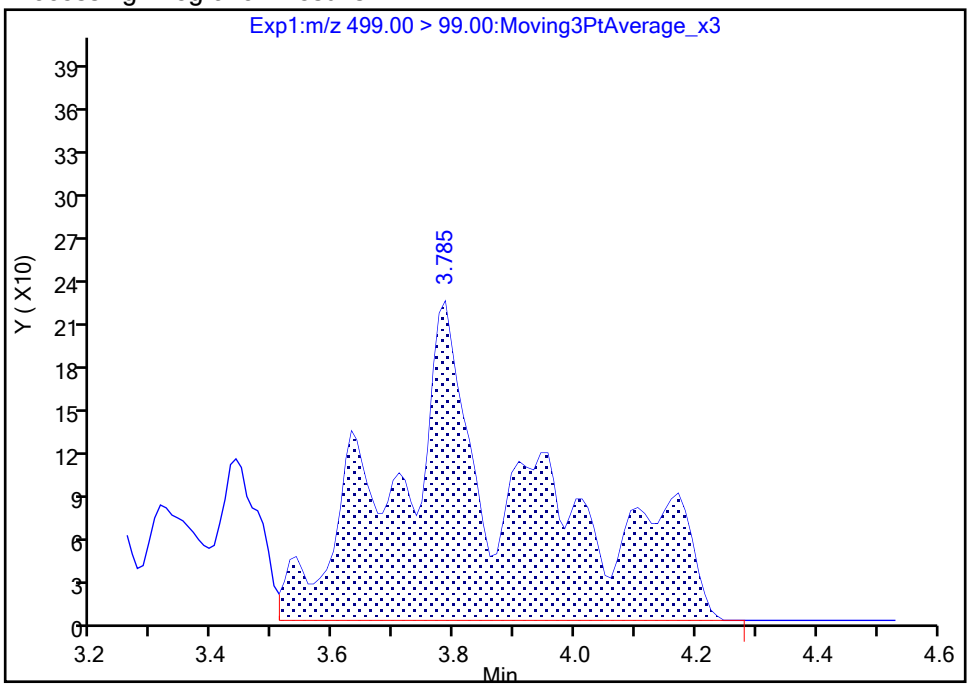
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B12.d				
Injection Date:	03-Mar-2021 20:29:19	Instrument ID:	LC812		
Lims ID:	480-181441-A-4-A	Lab Sample ID:	200-181441-4		
Client ID:	MW-3D-022321				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

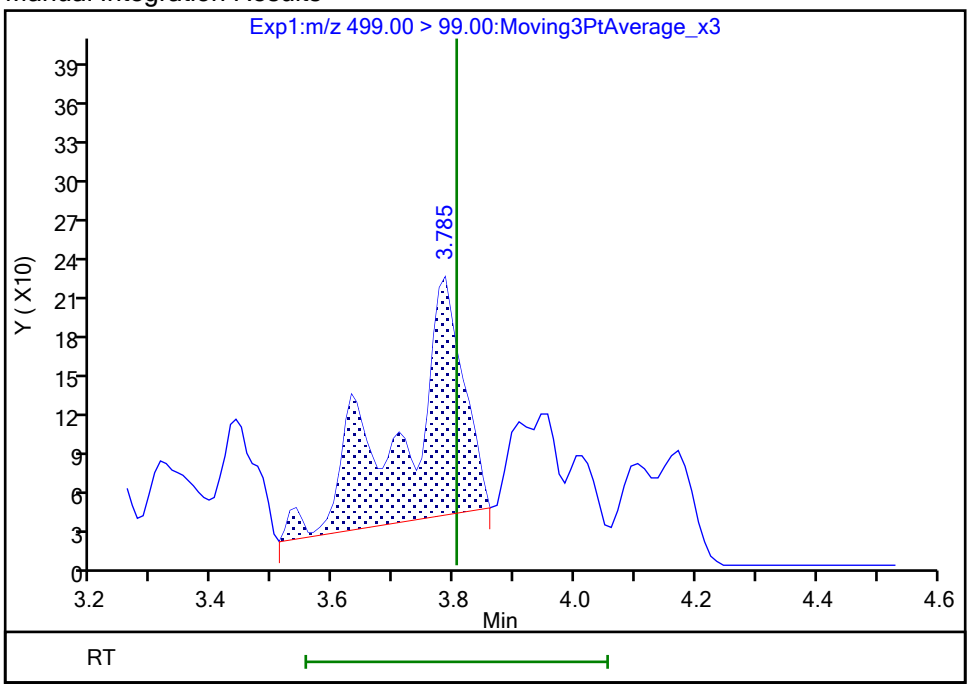
Processing Integration Results

RT: 3.79
Area: 3506
Amount: 0.023065
Amount Units: ng/ml



Manual Integration Results

RT: 3.79
Area: 1280
Amount: 0.006667
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:16:48
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

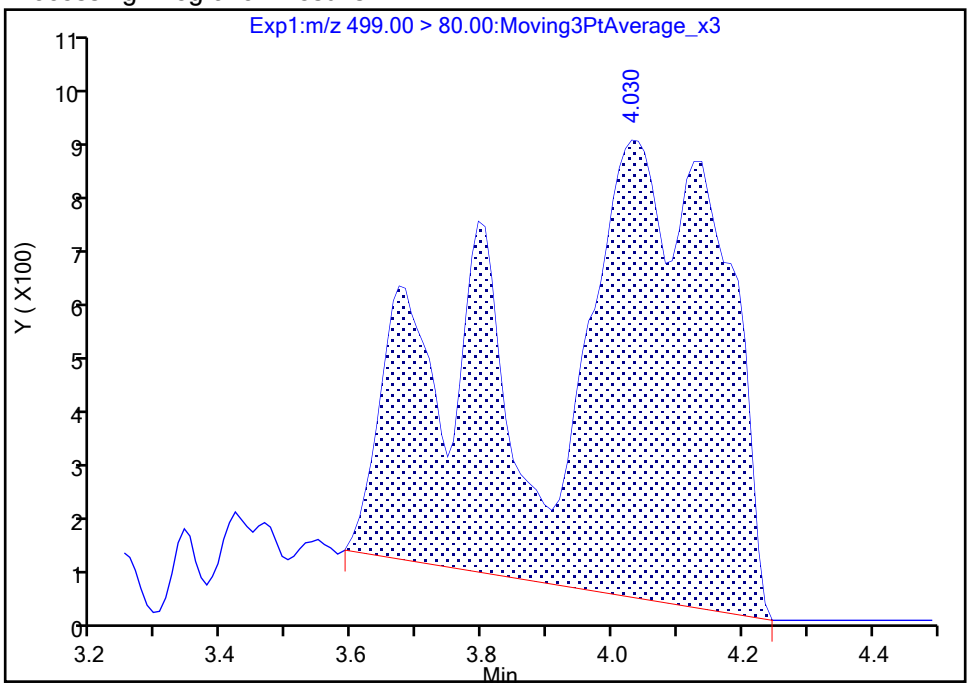
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B12.d				
Injection Date:	03-Mar-2021 20:29:19	Instrument ID:	LC812		
Lims ID:	480-181441-A-4-A	Lab Sample ID:	200-181441-4		
Client ID:	MW-3D-022321				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

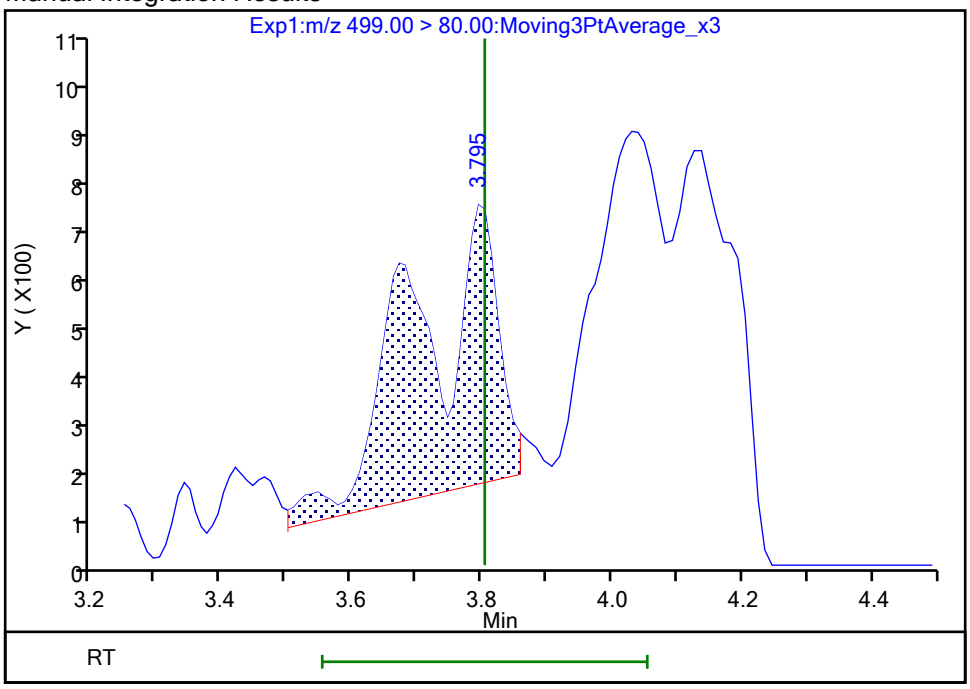
Processing Integration Results

RT: 4.03
Area: 17041
Amount: 0.023065
Amount Units: ng/ml



Manual Integration Results

RT: 3.79
Area: 4926
Amount: 0.006667
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:16:59
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

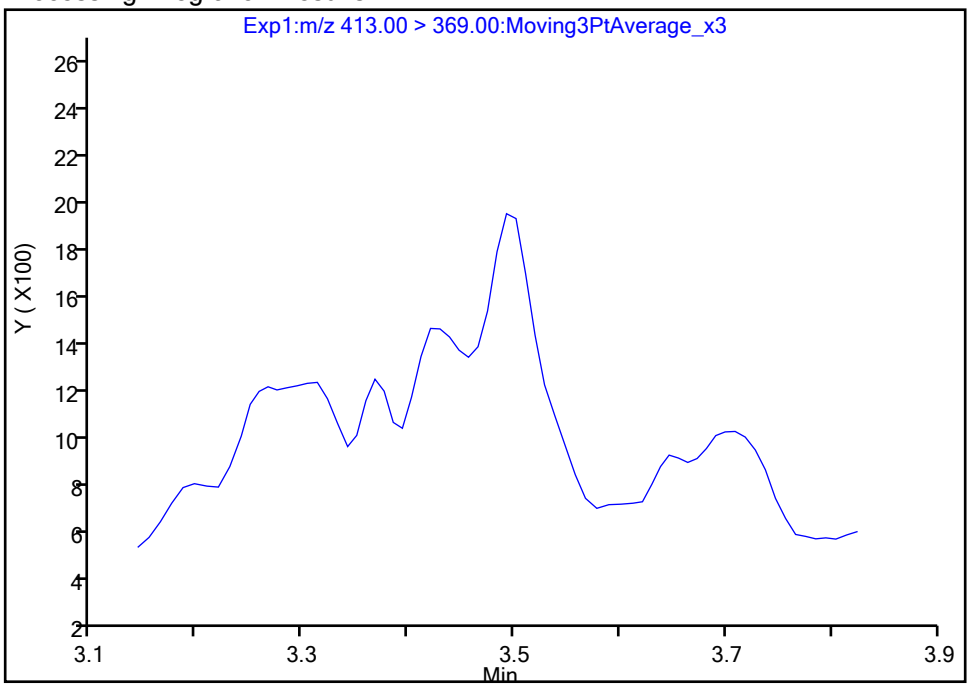
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B12.d				
Injection Date:	03-Mar-2021 20:29:19	Instrument ID:	LC812		
Lims ID:	480-181441-A-4-A	Lab Sample ID:	200-181441-4		
Client ID:	MW-3D-022321				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

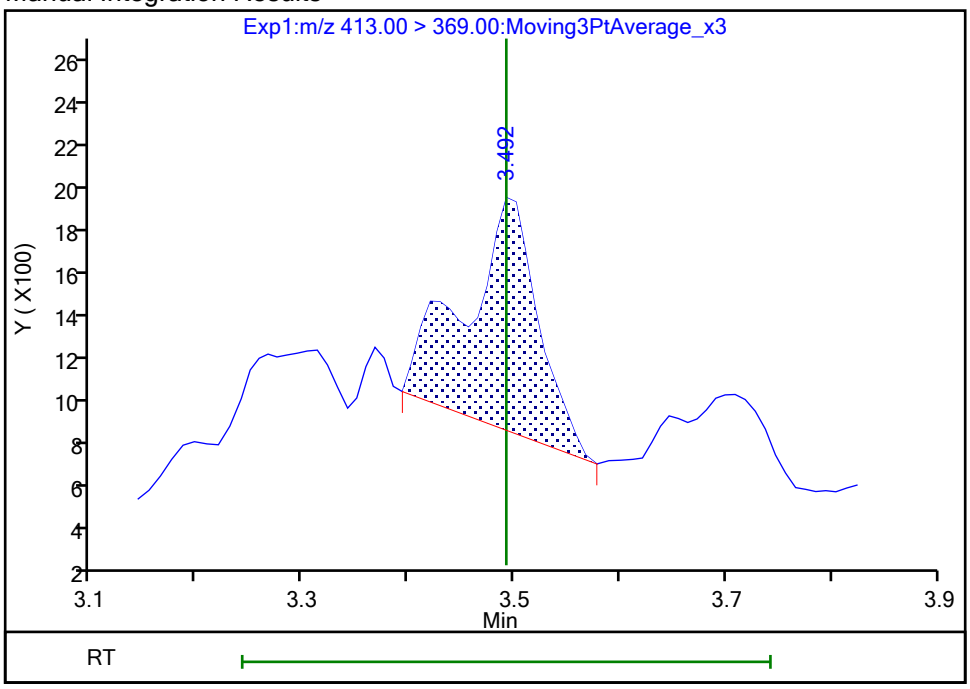
Not Detected
Expected RT: 3.49

Processing Integration Results



Manual Integration Results

RT: 3.49
Area: 5023
Amount: 0.004377
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:16:17
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

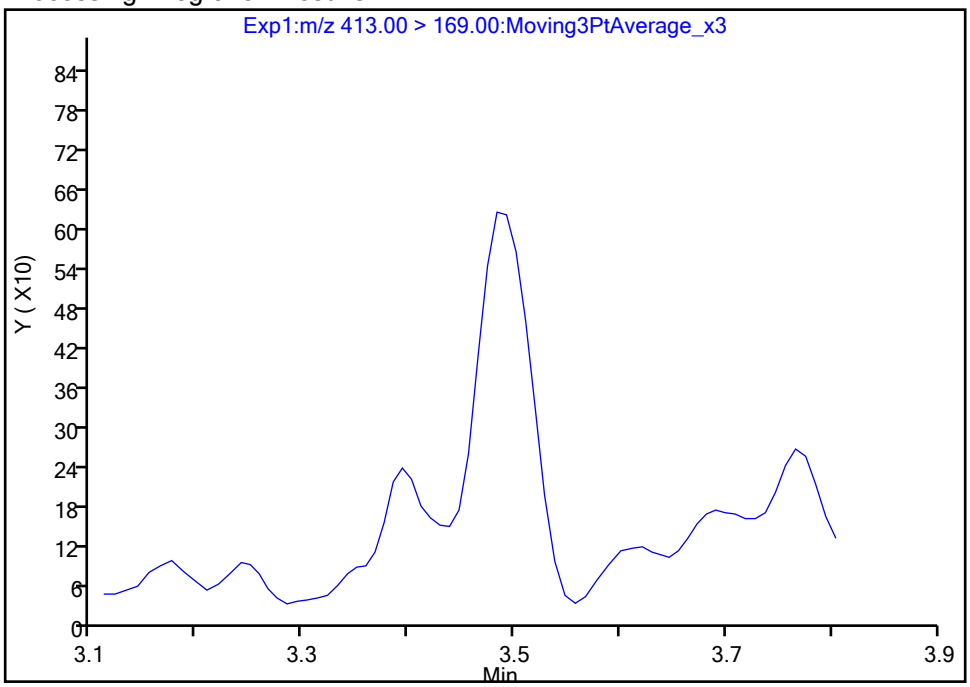
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B12.d				
Injection Date:	03-Mar-2021 20:29:19	Instrument ID:	LC812		
Lims ID:	480-181441-A-4-A	Lab Sample ID:	200-181441-4		
Client ID:	MW-3D-022321				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

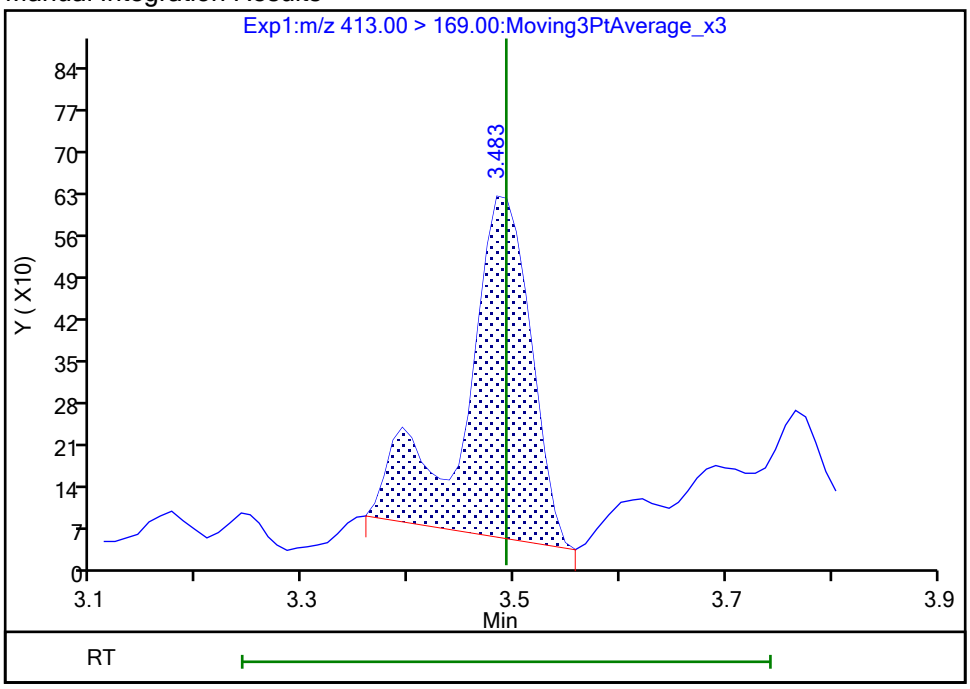
Not Detected
Expected RT: 3.49

Processing Integration Results



Manual Integration Results

RT: 3.48
Area: 2502
Amount: 0.004377
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:16:20
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

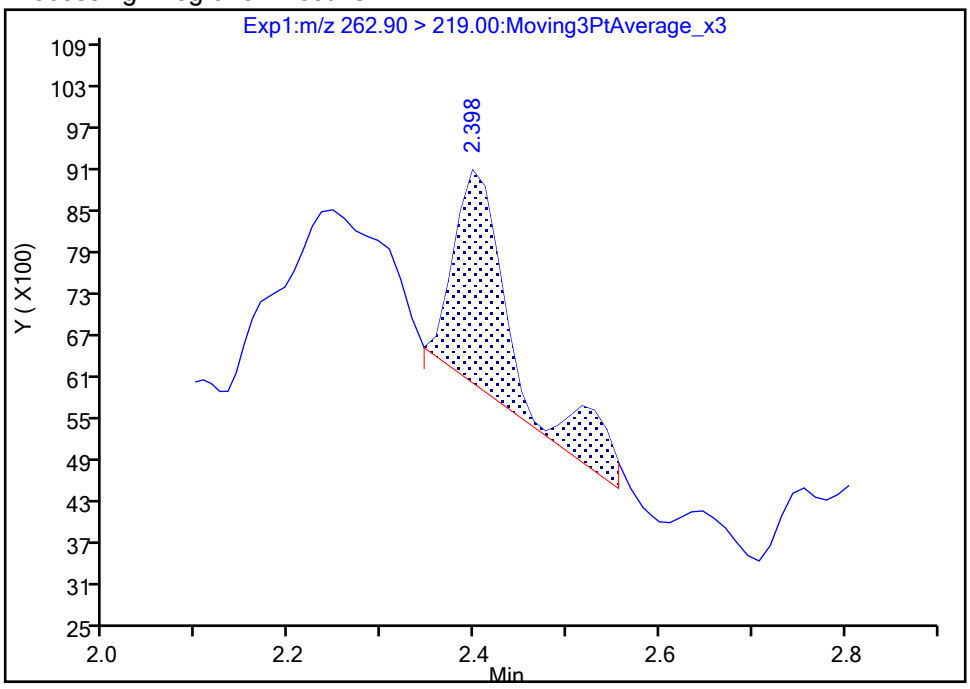
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B12.d				
Injection Date:	03-Mar-2021 20:29:19	Instrument ID:	LC812		
Lims ID:	480-181441-A-4-A	Lab Sample ID:	200-181441-4		
Client ID:	MW-3D-022321				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

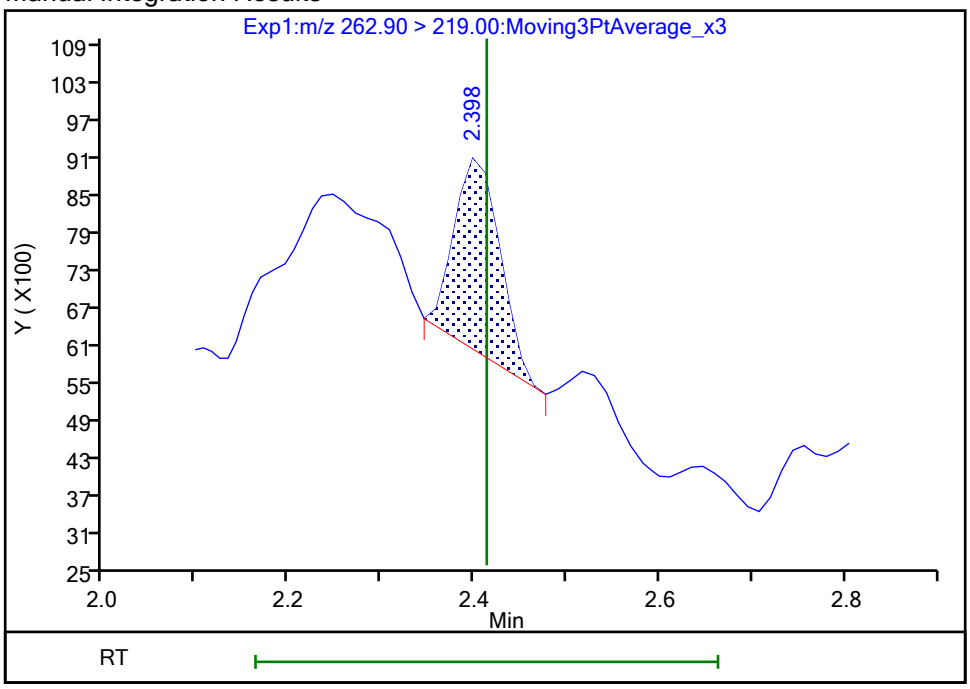
Processing Integration Results

RT: 2.40
Area: 13385
Amount: 0.011739
Amount Units: ng/ml



Manual Integration Results

RT: 2.40
Area: 10445
Amount: 0.009161
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:15:41

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

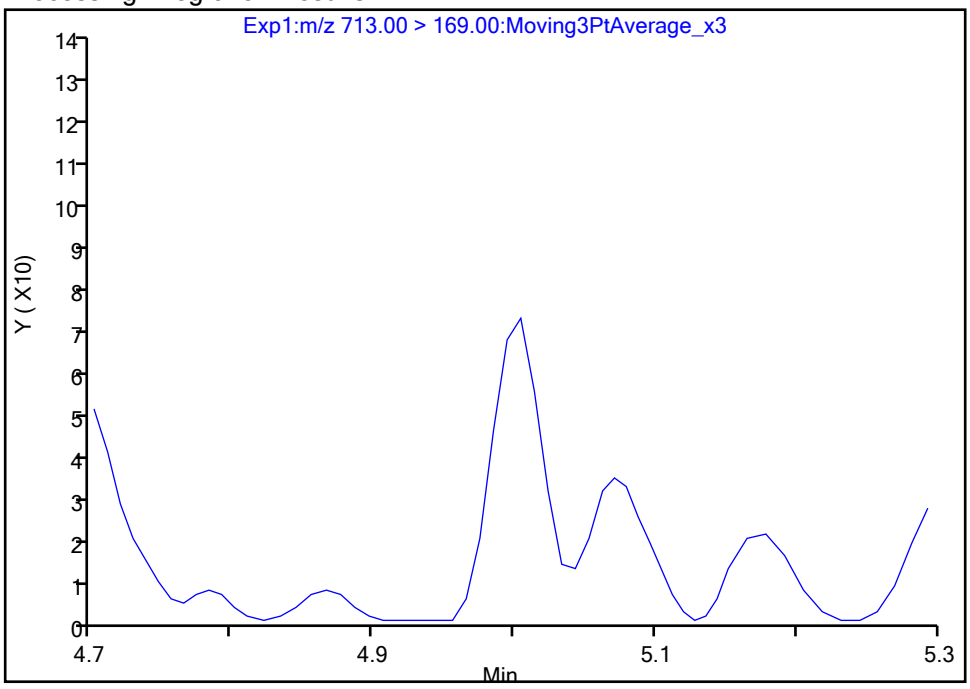
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B12.d				
Injection Date:	03-Mar-2021 20:29:19	Instrument ID:	LC812		
Lims ID:	480-181441-A-4-A	Lab Sample ID:	200-181441-4		
Client ID:	MW-3D-022321				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

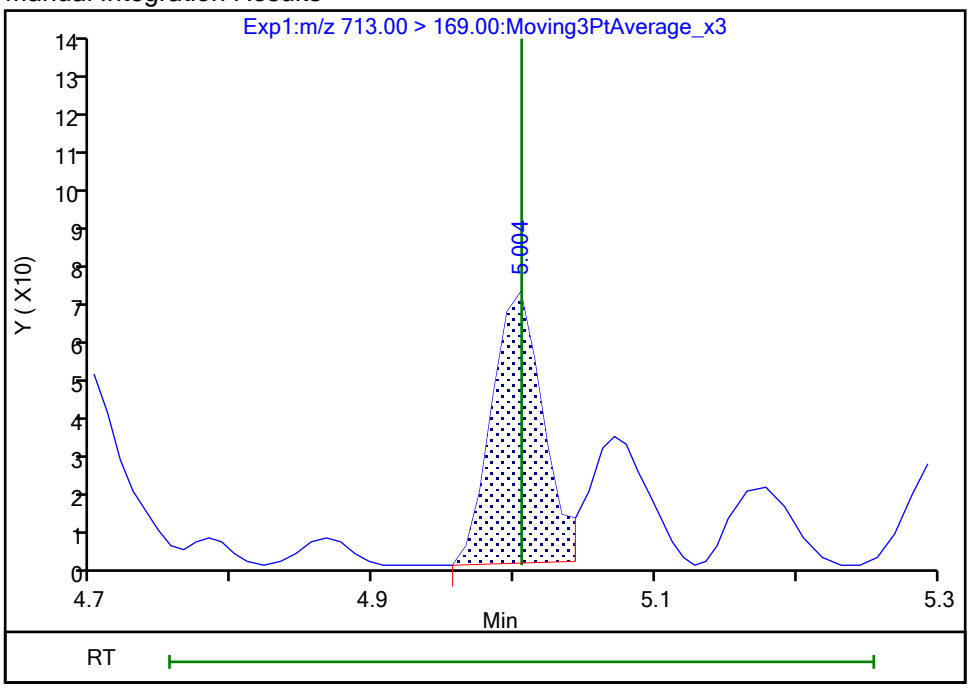
Not Detected
Expected RT: 5.00

Processing Integration Results



Manual Integration Results

RT: 5.00
Area: 174
Amount: 0.002011
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:18:30
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

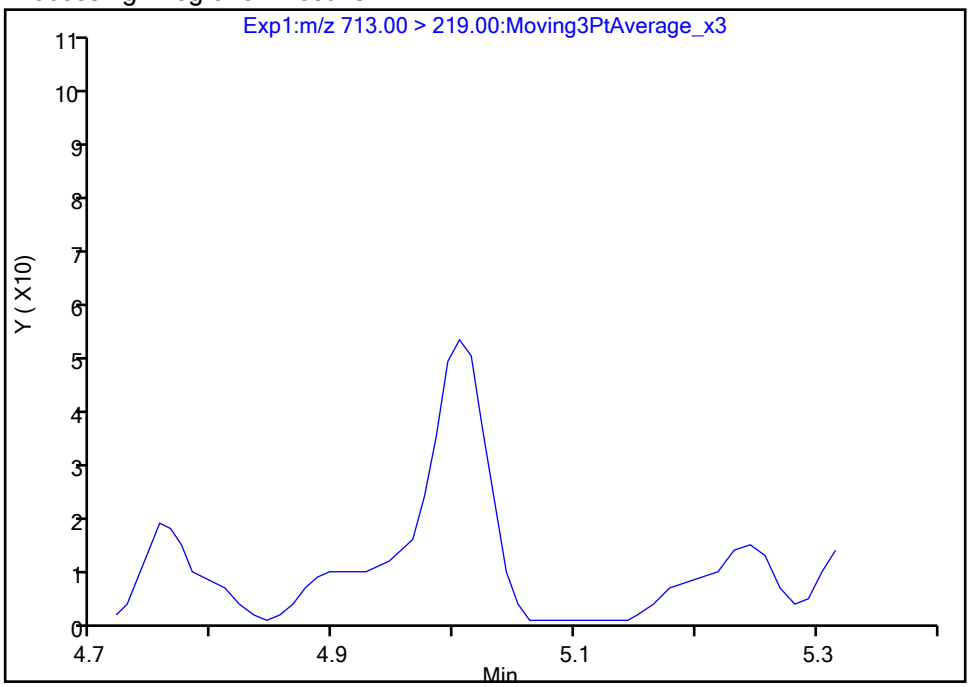
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B12.d				
Injection Date:	03-Mar-2021 20:29:19	Instrument ID:	LC812		
Lims ID:	480-181441-A-4-A	Lab Sample ID:	200-181441-4		
Client ID:	MW-3D-022321				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

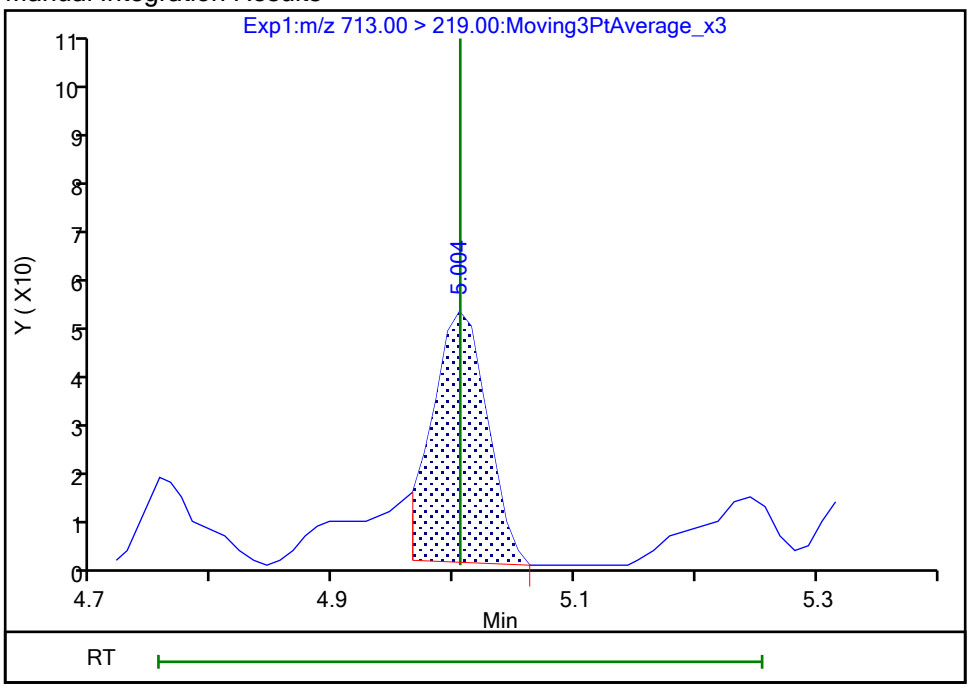
Not Detected
Expected RT: 5.00

Processing Integration Results



Manual Integration Results

RT: 5.00
Area: 161
Amount: 0.002011
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:18:31
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

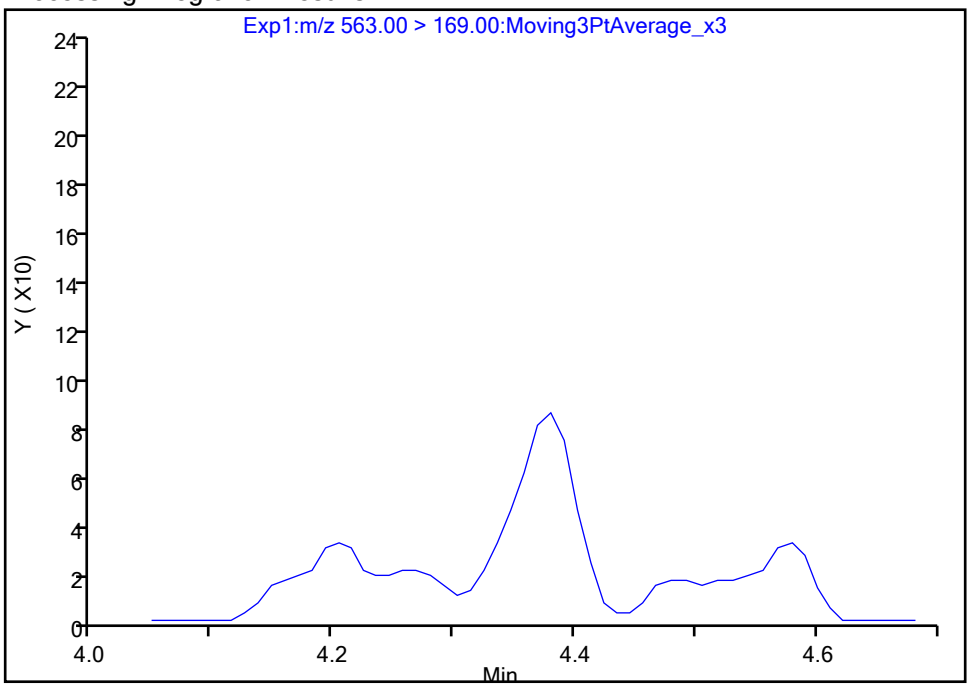
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B12.d				
Injection Date:	03-Mar-2021 20:29:19	Instrument ID:	LC812		
Lims ID:	480-181441-A-4-A	Lab Sample ID:	200-181441-4		
Client ID:	MW-3D-022321				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

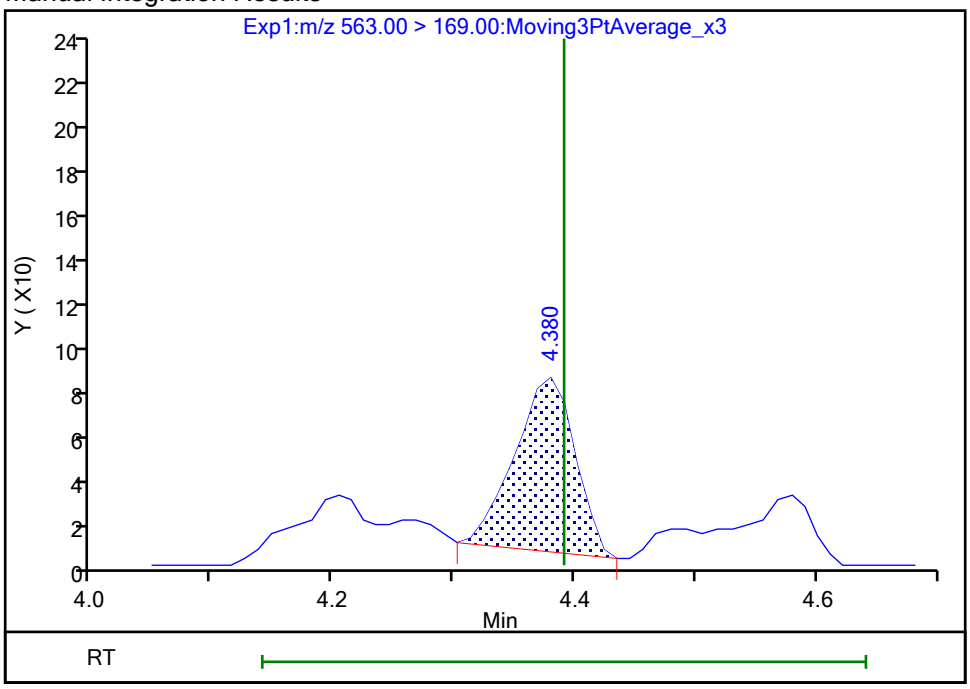
Not Detected
Expected RT: 4.39

Processing Integration Results



Manual Integration Results

RT: 4.38
Area: 266
Amount: 0.001240
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:18:02
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

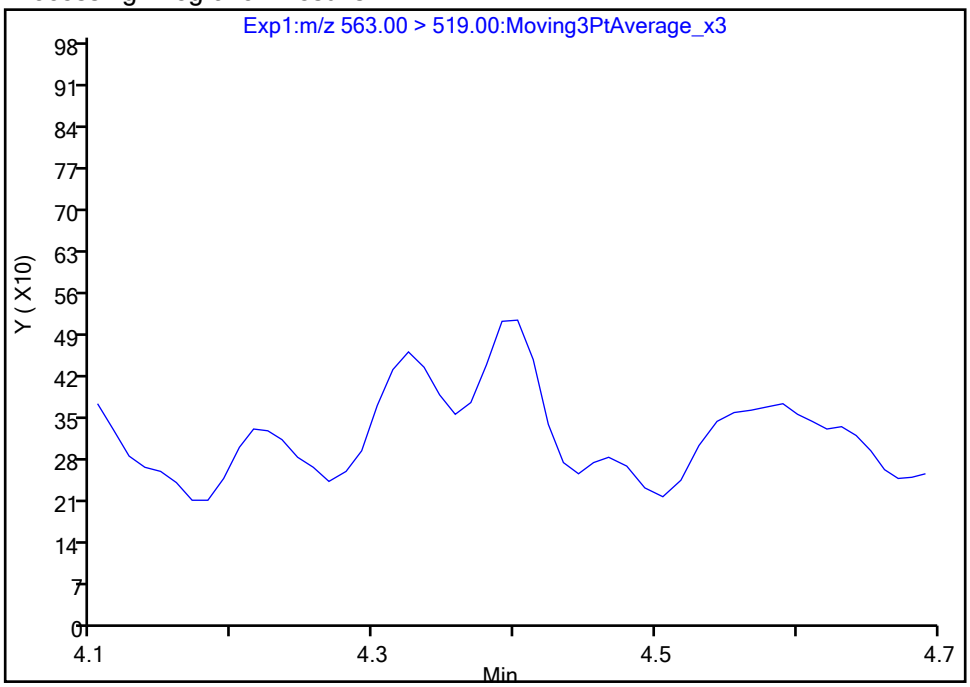
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B12.d				
Injection Date:	03-Mar-2021 20:29:19	Instrument ID:	LC812		
Lims ID:	480-181441-A-4-A	Lab Sample ID:	200-181441-4		
Client ID:	MW-3D-022321				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

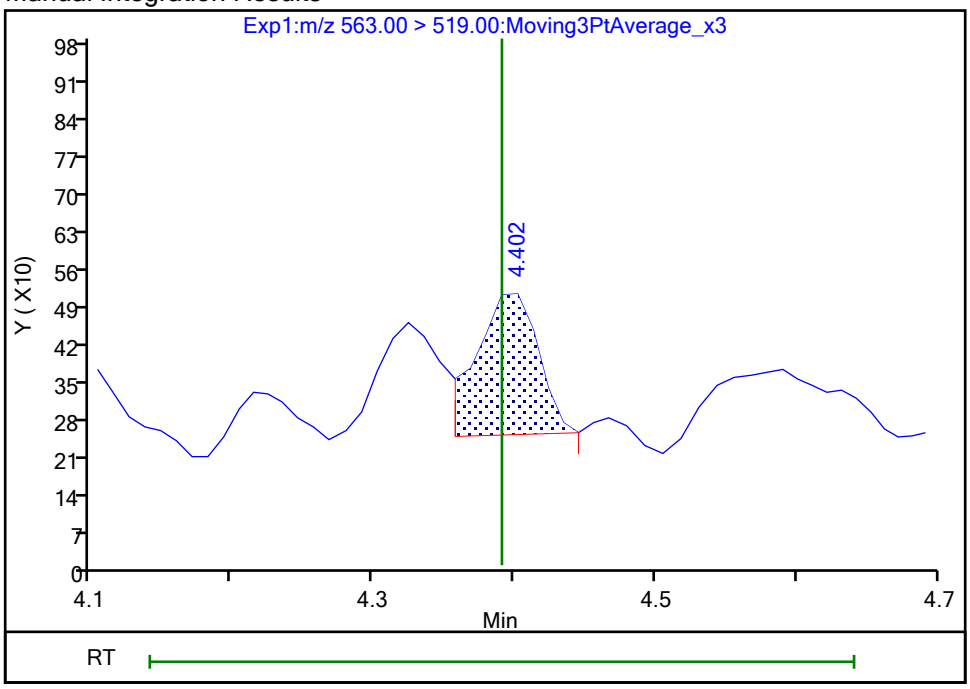
Not Detected
Expected RT: 4.39

Processing Integration Results



Manual Integration Results

RT: 4.40
Area: 793
Amount: 0.001240
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:18:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Client Sample ID: MW-3S-022321 Lab Sample ID: 480-181441-5

Matrix: Water Lab File ID: PA210303B13.d

Analysis Method: 537 (modified) Date Collected: 02/23/2021 13:55

Extraction Method: 3535 Date Extracted: 03/03/2021 08:24

Sample wt/vol: 280.1(mL) Date Analyzed: 03/03/2021 20:37

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 164492 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
39108-34-4	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.8	0.59
27619-97-2	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	2.5	J	4.5	0.64
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.5	0.83
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.5	0.71
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		1.8	0.56
375-22-4	Perfluorobutanoic acid (PFBA)	ND		4.5	1.0
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.43
335-76-2	Perfluorodecanoic acid (PFDA)	ND		1.8	0.41
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		1.8	0.41
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8	0.35
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		1.8	0.41
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.60
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		1.8	0.74
375-95-1	Perfluorononanoic acid (PFNA)	ND		1.8	0.52
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.51
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		1.8	0.78
335-67-1	Perfluorooctanoic acid (PFOA)	ND		1.8	0.87
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		1.8	0.96
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		1.8	0.53
72629-94-8	Perfluorotridecanoic acid (PFTriA)	ND		1.8	0.38
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.65

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Client Sample ID: MW-3S-022321 Lab Sample ID: 480-181441-5

Matrix: Water Lab File ID: PA210303B13.d

Analysis Method: 537 (modified) Date Collected: 02/23/2021 13:55

Extraction Method: 3535 Date Extracted: 03/03/2021 08:24

Sample wt/vol: 280.1(mL) Date Analyzed: 03/03/2021 20:37

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 164492 Units: ng/L

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00996	13C2 PFDA	89		50-150
STL00998	13C2 PFDoA	75		50-150
STL00993	13C2 PFHxA	107		50-150
STL02116	13C2 PFTeDA	77		50-150
STL00997	13C2 PFUnA	77		50-150
STL02337	13C3 PFBS	100		50-150
STL00992	13C4 PFBA	91		25-150
STL01892	13C4 PFHpA	108		50-150
STL00990	13C4 PFOA	106		50-150
STL00991	13C4 PFOS	96		50-150
STL00995	13C5 PFNA	99		50-150
STL01893	13C5 PFPeA	106		25-150
STL01056	13C8 FOSA	88		25-150
STL00994	18O2 PFHxS	107		50-150
STL02118	d3-NMeFOSAA	74		50-150
STL02117	d5-NEtFOSAA	73		50-150
STL02279	M2-6:2 FTS	104		25-150
STL02280	M2-8:2 FTS	93		25-150

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B13.d
Lims ID: 480-181441-A-5-A
Client ID: MW-3S-022321
Sample Type: Client
Inject. Date: 03-Mar-2021 20:37:36 ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: 480-181441-A-5-A
Misc. Info.: 200-0045034-013 Plate: 1 Rack: 2
Operator ID: lc812tech Instrument ID: LC812

Method: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 04-Mar-2021 11:30:53 Calib Date: 22-Dec-2020 13:29:37
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1647

First Level Reviewer: khanphomeea Date: 04-Mar-2021 15:22:27
Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.082	2.091	-0.009	0.596	1475029	1.14		91.0	10503	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.082	2.091	-0.009	1.000	10745	0.009087			2.5	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.400	2.413	-0.013	0.687	1240250	1.32		106	3514	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.413	2.413	0.0	1.005	6200	0.005643			0.3	M
D 47 13C3 PFBS										
301.90 > 80.00	2.426	2.439	-0.013	0.695	1440201	1.17		100	178490	
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.426	2.439	-0.013	1.000	2139	0.001526	Target=2.21		1.0	
298.90 > 99.00	2.413	2.439	-0.026	0.995	1335		1.60(1.11-3.32)		1.0	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.770	2.770	0.0	0.793	1313612	1.34		107	5548	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.758	2.770	-0.012	0.996	5224	0.004550	Target=12.83		1.0	M
313.00 > 119.00	2.758	2.770	-0.012	0.996	596		8.77(6.42-19.25)		1.0	M
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.132	3.132	0.0	1.000	5806	0.005028	Target=4.15		13.5	M
399.00 > 99.00	3.143	3.132	0.011	1.003	1620		3.58(2.08-6.23)		1.7	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.132	3.132	0.0	0.897	1158728	1.26		107	2900	
D 9 13C4 PFHpA										
367.00 > 322.00	3.132	3.143	-0.011	0.897	1265046	1.35		108	2904	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.143	3.143	0.0	1.003	3384	0.003061	Target=3.66		0.7	M
363.00 > 169.00	3.132	3.143	-0.011	1.000	957		3.54(1.83-5.49)		2.2	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 12 M2-6:2 FTS										
429.00 > 81.00	3.483	3.483	0.0	0.997	142003	1.24		104	448	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.483	3.483	0.0	1.000	9408	0.0707			124	
D 14 13C4 PFOA										
417.00 > 372.00	3.492	3.492	0.0	1.000	1259863	1.32		106	2678	
* 62 13C2 PFOA										
415.00 > 370.00	3.492	3.492	0.0		1206177	1.25			2341	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.492	3.492	0.0	1.000	6398	0.005856	Target=2.58		1.6	M
413.00 > 169.00	3.492	3.492	0.0	1.000	2297		2.79(1.29-3.87)		7.8	M
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.814	3.804	0.010	1.003	5580	0.008039	Target=5.65		2.4	M
499.00 > 99.00	3.814	3.804	0.010	1.003	960		5.81(2.82-8.47)		3.0	M
D 18 13C4 PFOS										
503.00 > 80.00	3.804	3.804	0.0	1.089	721258	1.15		95.8	2847	
D 19 13C5 PFNA										
468.00 > 423.00	3.825	3.825	0.0	1.095	1042714	1.24		99.0	3829	
20 Perfluorononanoic acid										M
463.00 > 419.00	3.825	3.825	0.0	1.000	1851	0.002005	Target=7.44		0.5	M
463.00 > 169.00	3.825	3.825	0.0	1.000	196		9.44(3.72-11.16)		1.8	M
D 23 13C2 PFDA										
515.00 > 470.00	4.126	4.126	0.0	1.182	892401	1.11		88.6	3347	
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.126	4.126	0.0	1.000	891	0.001211	Target=9.29		1.1	M
513.00 > 169.00	4.115	4.126	-0.011	0.997	158		5.64(4.64-13.93)		1.5	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.137	4.137	0.0	1.185	131726	1.11		93.1	584	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.137	4.137	0.0	1.000	88	0.001176			3.4	M
D 21 13C8 FOSA										
506.00 > 78.00	4.215	4.225	-0.010	1.207	1298053	1.10		87.7	3555	
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.215	4.225	-0.010	1.000	910	0.000874			9.3	M
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.268	4.268	0.0	1.222	54185	0.9276		74.2	370	
29 Perfluorodecanesulfonic acid										RM
599.00 > 80.00	4.369	4.358	0.011	1.148	115	0.000279	Target=2.80		1.2	RM
599.00 > 99.00	4.358	4.358	0.0	1.146	191		0.60(1.40-4.19)		1.2	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.380	4.391	-0.011	1.254	633589	0.9577		76.6	2577	
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.391	4.391	0.0	1.003	435	0.000842	Target=8.12		0.4	M
563.00 > 169.00	4.402	4.391	0.011	1.005	48		9.06(4.06-12.18)		0.9	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.391	4.402	-0.011	1.257	51835	0.9180		73.4	627	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.369	4.402	-0.033	0.995	158	0.004116			1.7	M
D 36 13C2 PFDoA										
615.00 > 570.00	4.612	4.612	0.0	1.321	653330	0.9355		74.8	6784	
37 Perfluorododecanoic acid										RM
613.00 > 569.00	4.602	4.612	-0.010	0.998	3093	0.005381	Target=6.91		0.8	RM
613.00 > 169.00	4.602	4.612	-0.010	0.998	186		16.63(3.45-10.36)		4.9	M
D 43 13C2 PFTeDA										
715.00 > 670.00	5.005	5.005	0.0	1.433	498601	0.9653		77.2	2732	
42 Perfluorotetradecanoic acid										RM
713.00 > 169.00	5.015	5.005	0.010	1.002	166	0.002244	Target=1.06		5.7	RM
713.00 > 219.00	4.995	5.005	-0.010	0.998	43		3.86(0.53-1.59)		2.7	M

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Report Date: 04-Mar-2021 11:31:14 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B13.d

Injection Date: 03-Mar-2021 20:37:36 Instrument ID: LC812

Lims ID: 480-181441-A-5-A Lab Sample ID: 200-181441-5

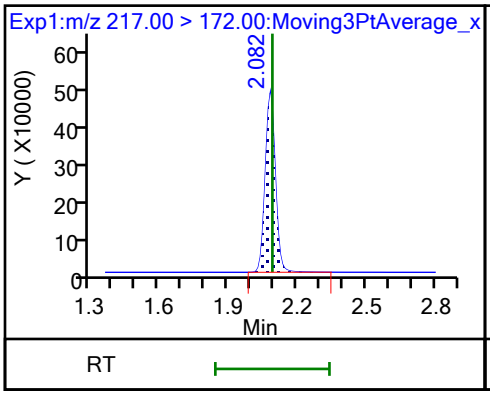
Client ID: MW-3S-022321

Operator ID: lc812tech ALS Bottle#: 13 Worklist Smp#: 13

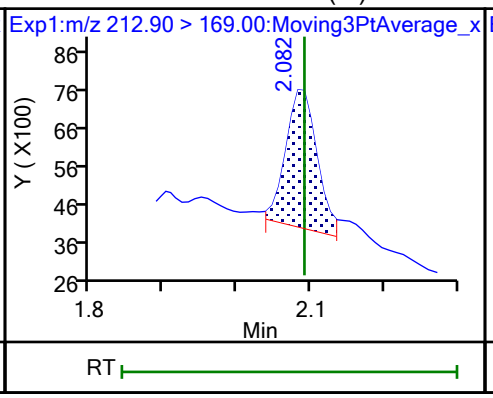
Injection Vol: 20.0 ul Dil. Factor: 1.0000

Method: PFC_LC812 Limit Group: LC_PFC_ICAL

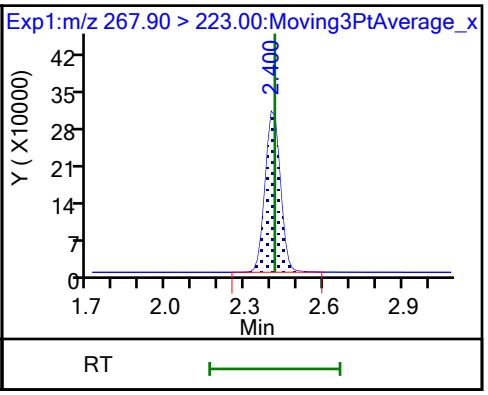
D 1 13C4 PFBA



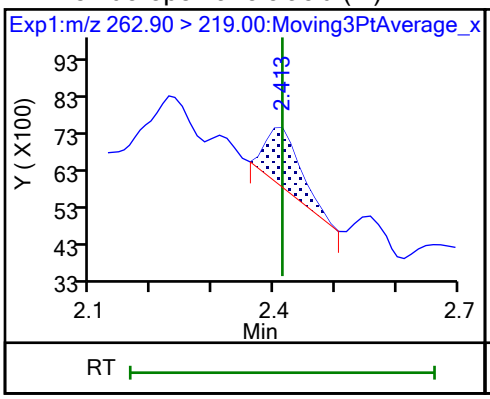
2 Perfluorobutanoic acid (M)



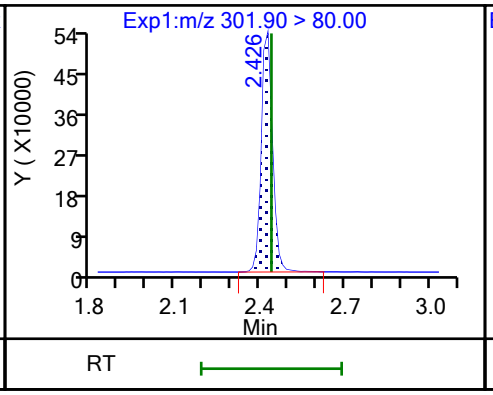
D 3 13C5 PFPeA



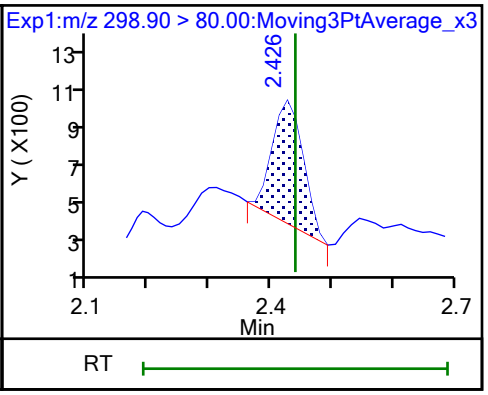
4 Perfluoropentanoic acid (M)



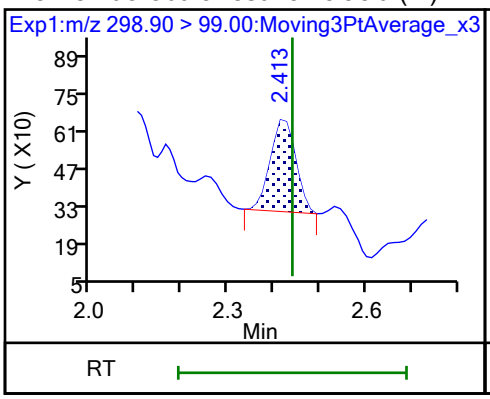
D 47 13C3 PFBS



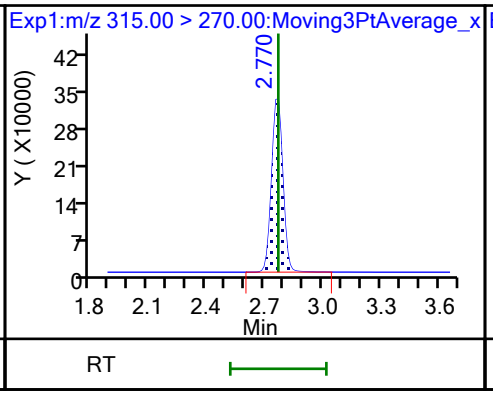
5 Perfluorobutanesulfonic acid



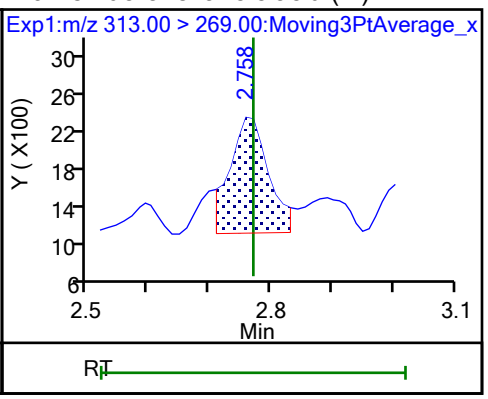
5 Perfluorobutanesulfonic acid (M)



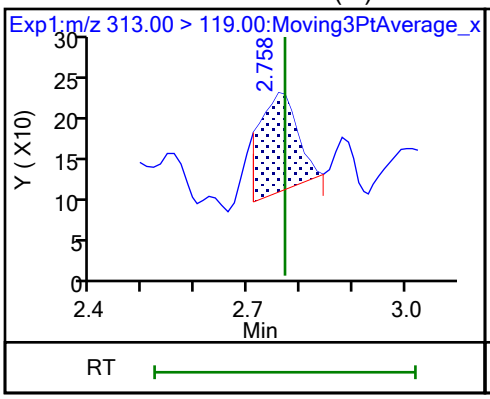
D 7 13C2 PFHxA



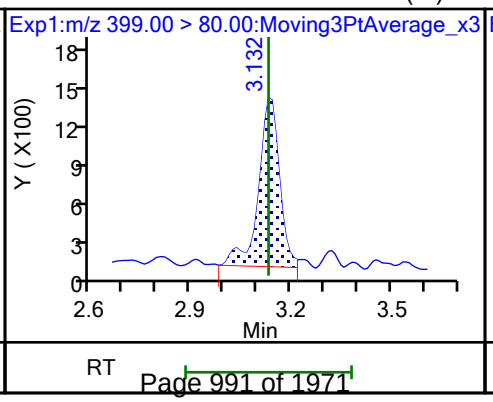
6 Perfluorohexanoic acid (M)



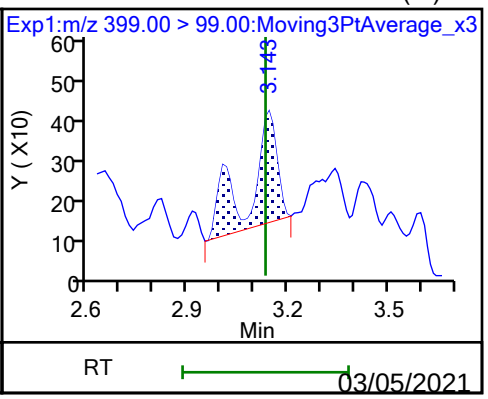
6 Perfluorohexanoic acid (M)



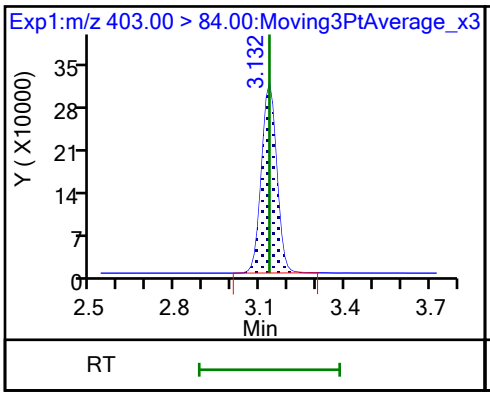
8 Perfluorohexanesulfonic acid (M)



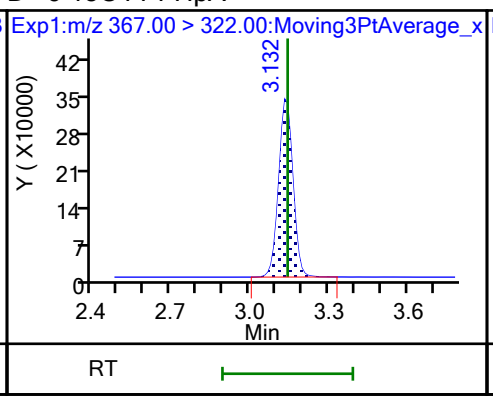
8 Perfluorohexanesulfonic acid (M)



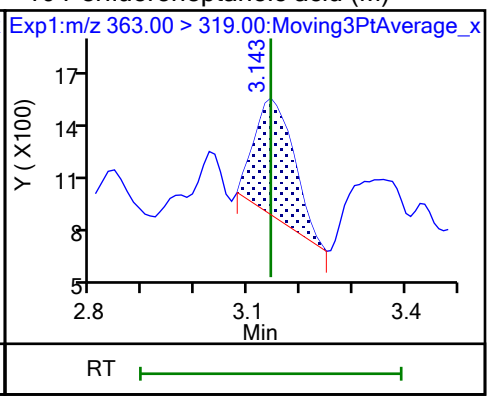
D 11 18O2 PFHxS



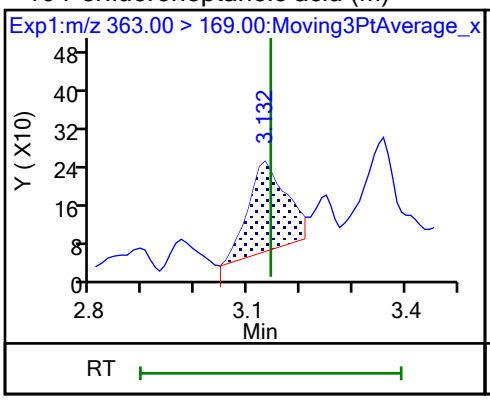
D 9 13C4 PFHpA



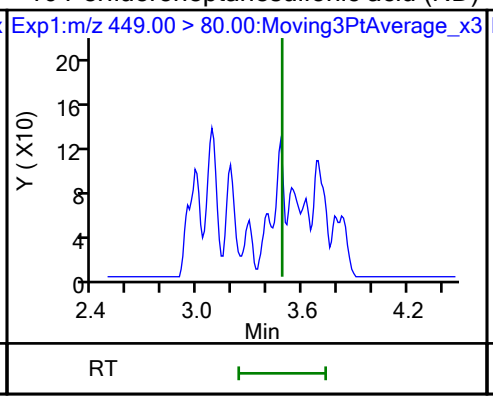
10 Perfluoroheptanoic acid (M)



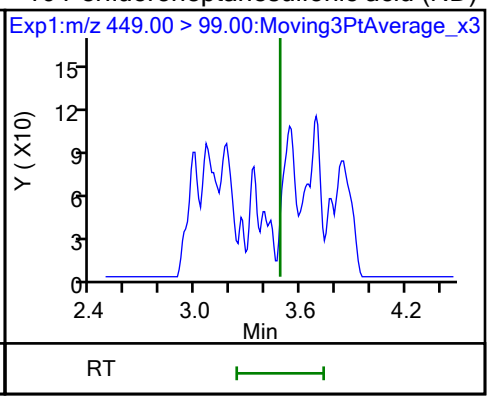
10 Perfluoroheptanoic acid (M)



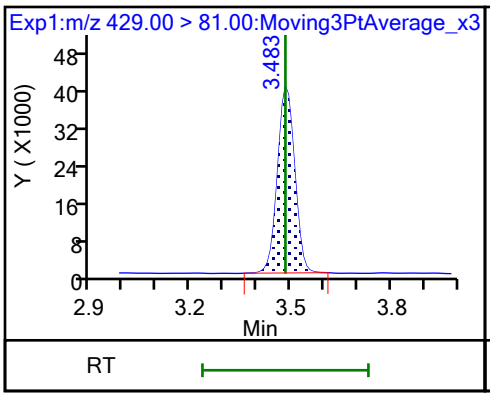
16 Perfluoroheptanesulfonic acid (ND)



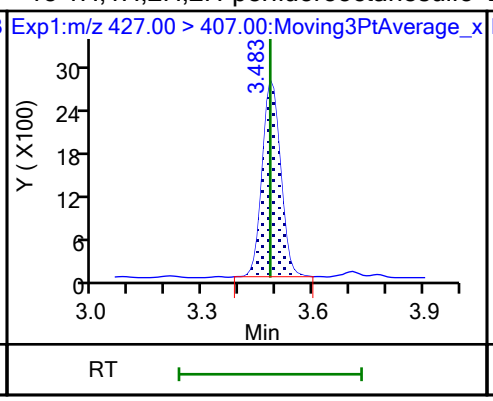
16 Perfluoroheptanesulfonic acid (ND)



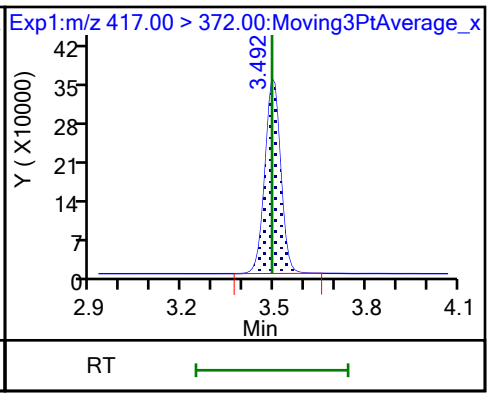
D 12 M2-6:2 FTS



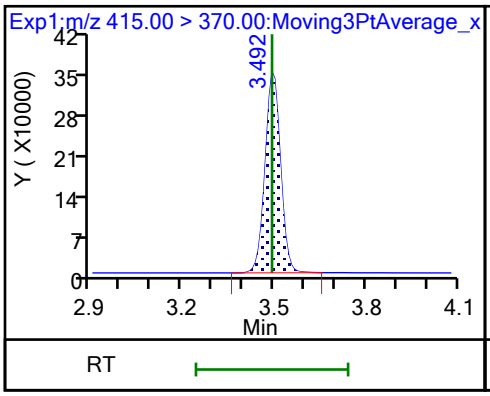
13 1H,1H,2H,2H-perfluorooctanesulfo



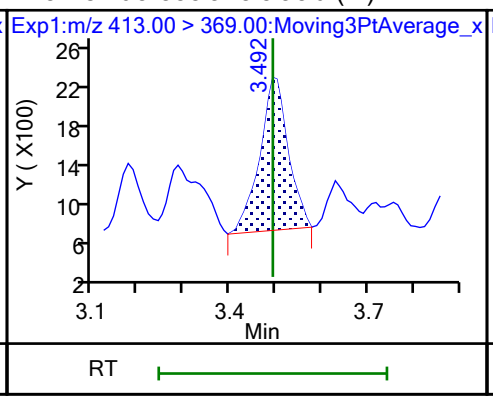
D 14 13C4 PFOA



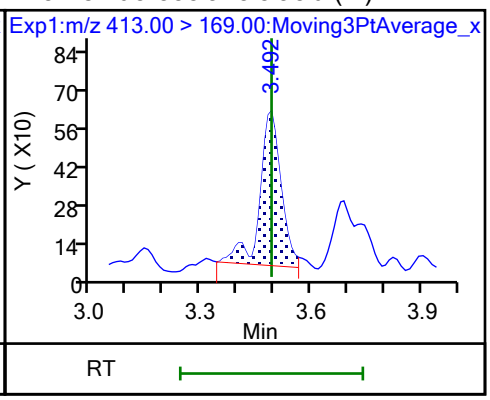
* 62 13C2 PFOA



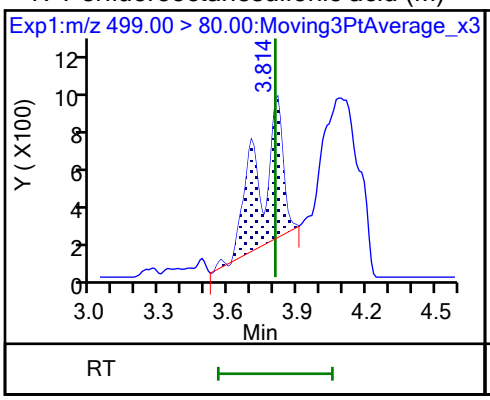
15 Perfluorooctanoic acid (M)



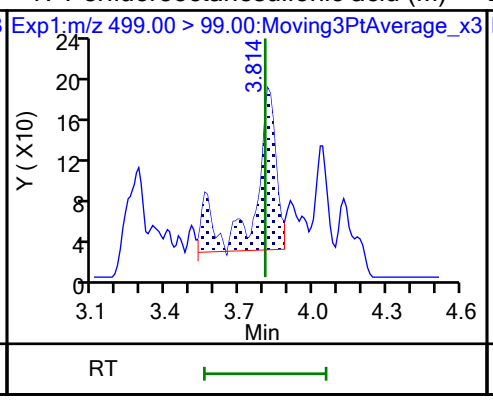
15 Perfluorooctanoic acid (M)



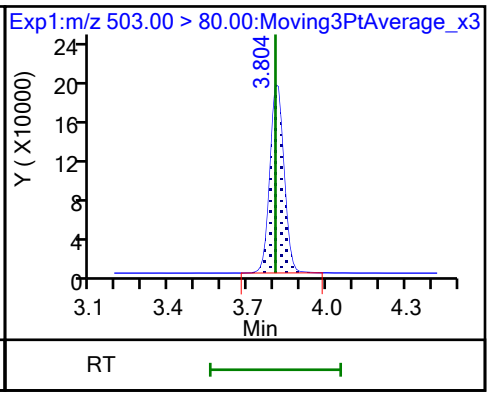
17 Perfluorooctanesulfonic acid (M)



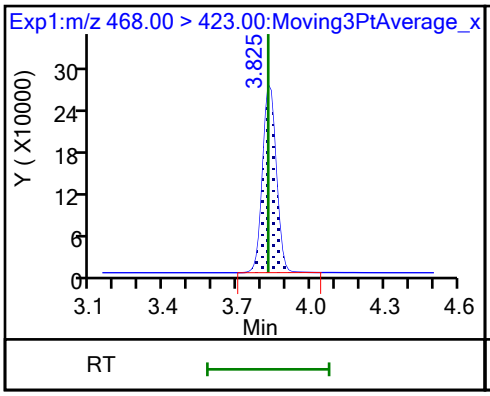
17 Perfluorooctanesulfonic acid (M)



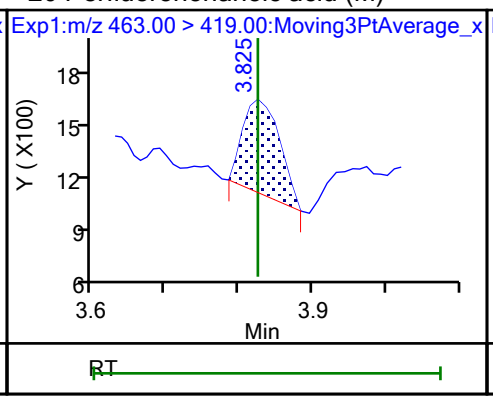
D 18 13C4 PFOS



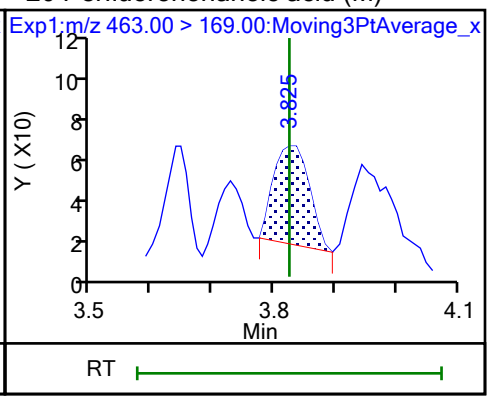
D 19 13C5 PFNA



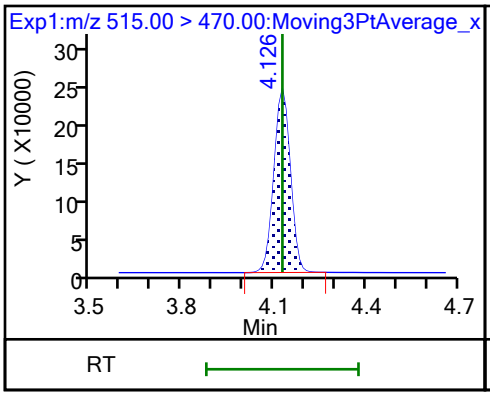
20 Perfluorononanoic acid (M)



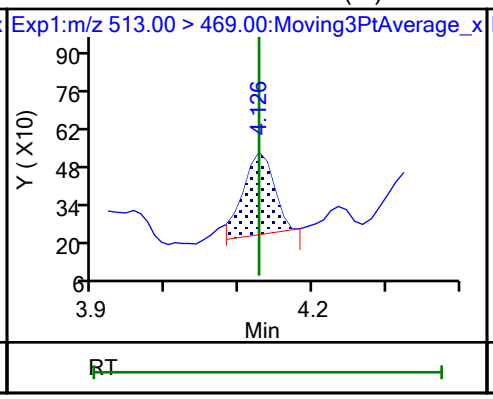
20 Perfluorononanoic acid (M)



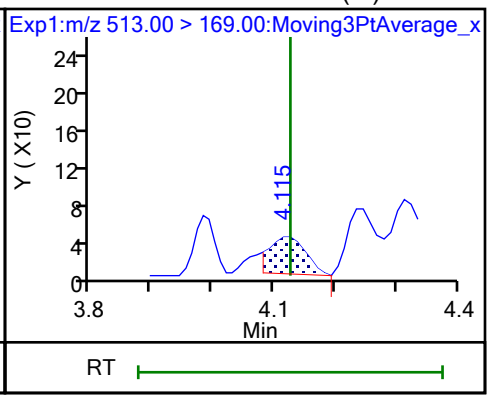
D 23 13C2 PFDA



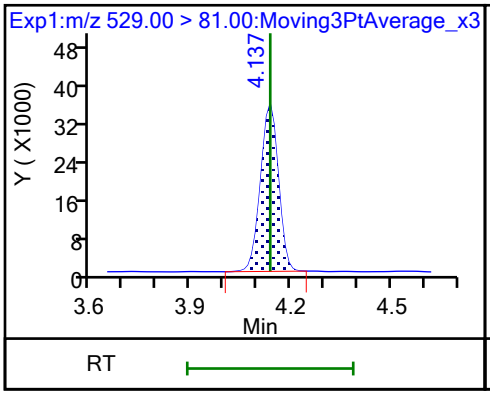
24 Perfluorodecanoic acid (M)



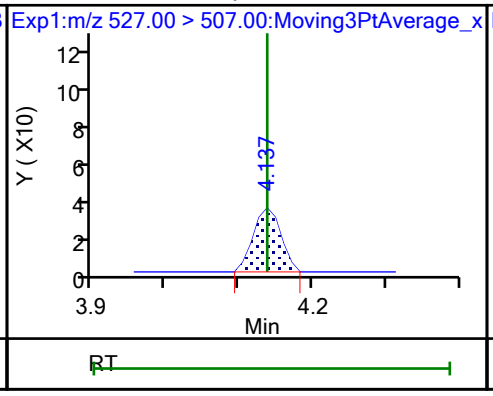
24 Perfluorodecanoic acid (M)



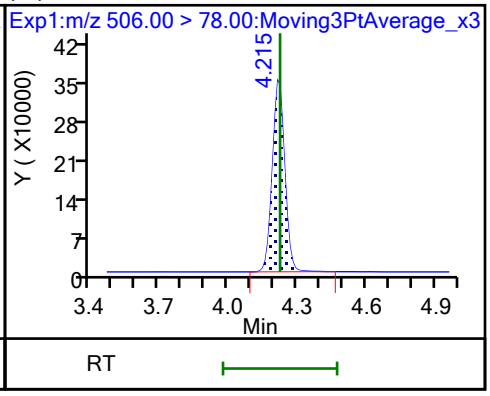
D 26 M2-8:2 FTS



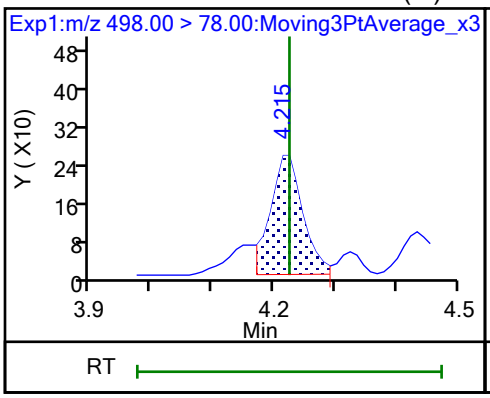
25 1H,1H,2H,2H-perfluorodecanesulfo



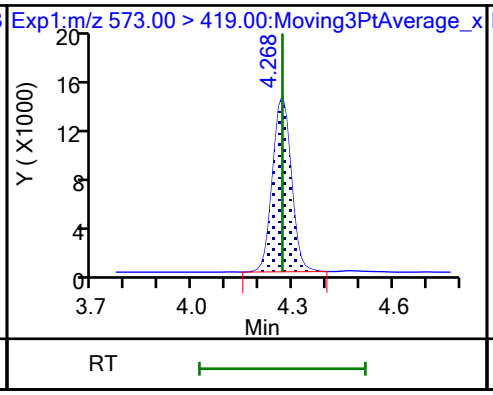
D 21 13C8 FOSA



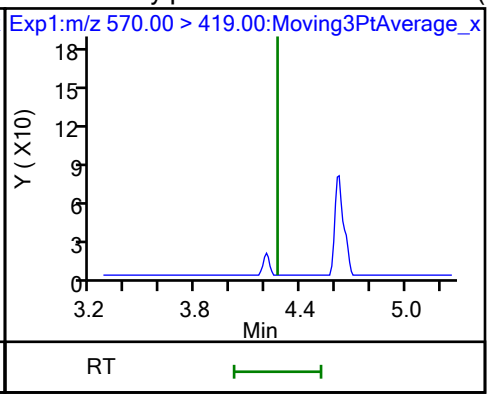
22 Perfluorooctanesulfonamide (M)



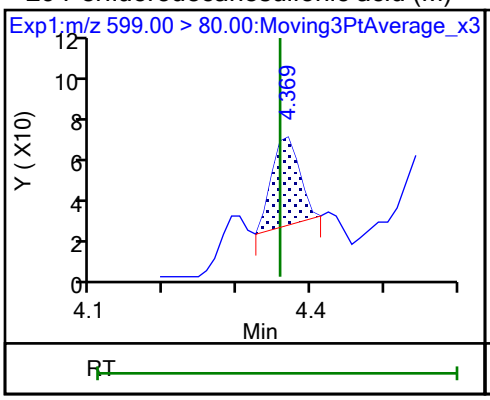
D 27 d3-NMeFOSAA



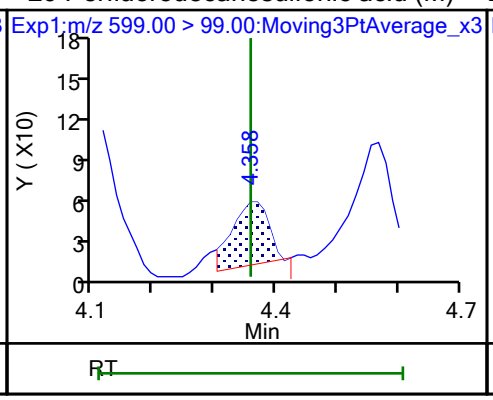
28 N-methylperfluorooctanesulfonami (ND)



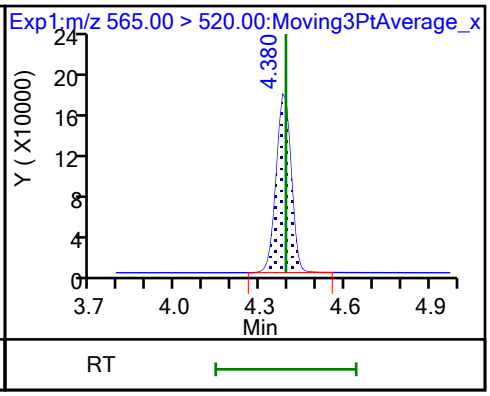
29 Perfluorodecanesulfonic acid (M)



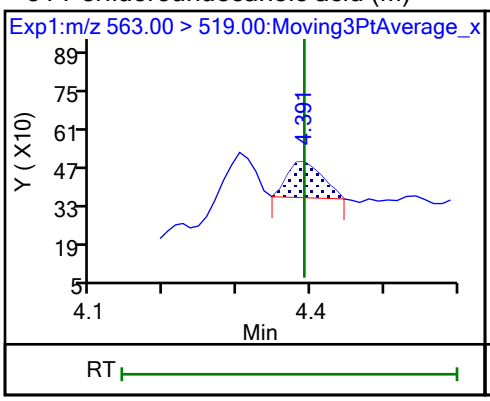
29 Perfluorodecanesulfonic acid (M)



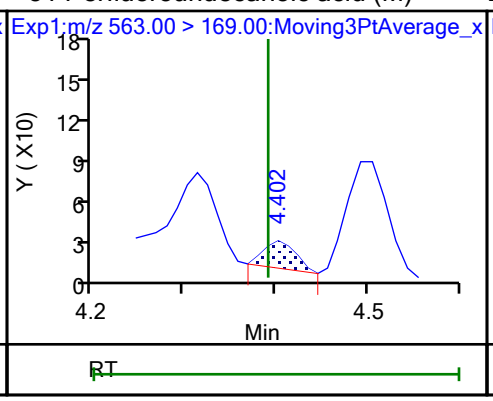
D 30 13C2 PFUnA



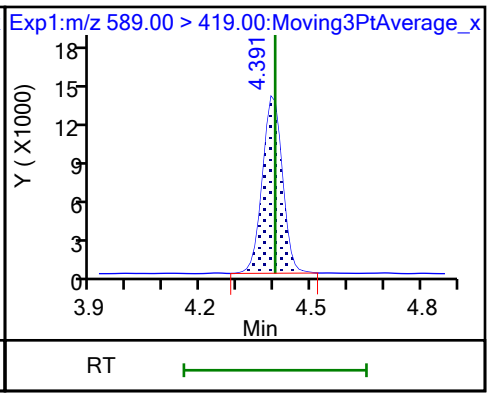
31 Perfluoroundecanoic acid (M)



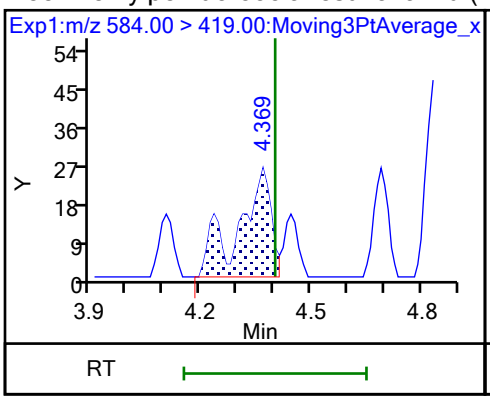
31 Perfluoroundecanoic acid (M)



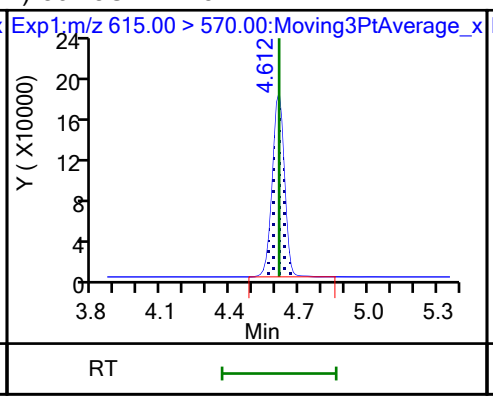
D 32 d5-NEtFOSAA



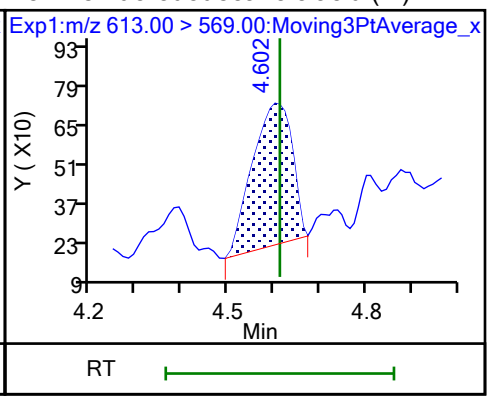
33 N-ethylperfluorooctanesulfonamid (ND)



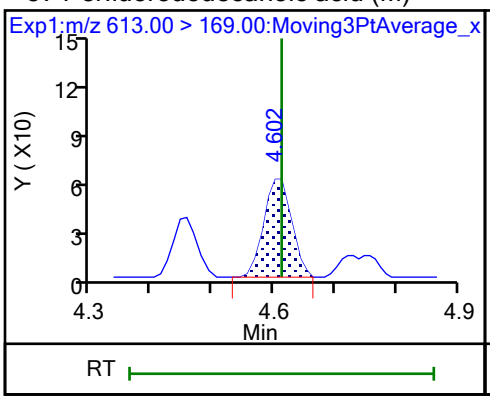
D 36 13C2 PFDoA



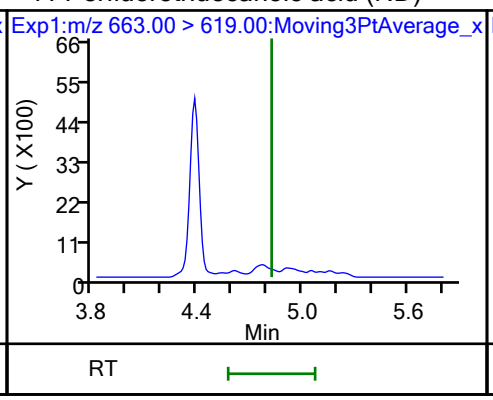
37 Perfluorododecanoic acid (M)



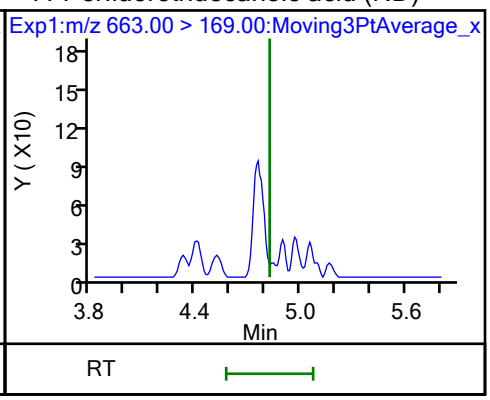
37 Perfluorododecanoic acid (M)



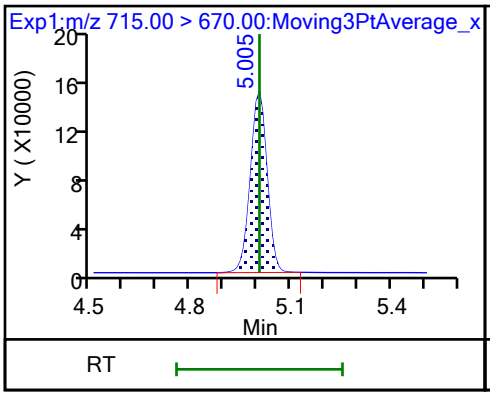
41 Perfluorotridecanoic acid (ND)



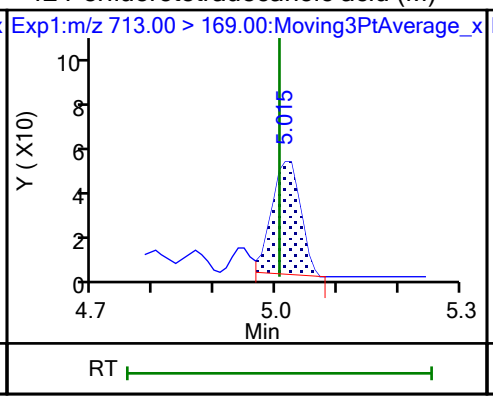
41 Perfluorotridecanoic acid (ND)



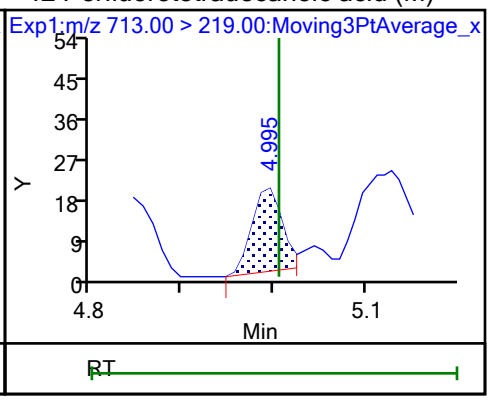
D 43 13C2 PFTeDA



42 Perfluorotetradecanoic acid (M)



42 Perfluorotetradecanoic acid (M)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

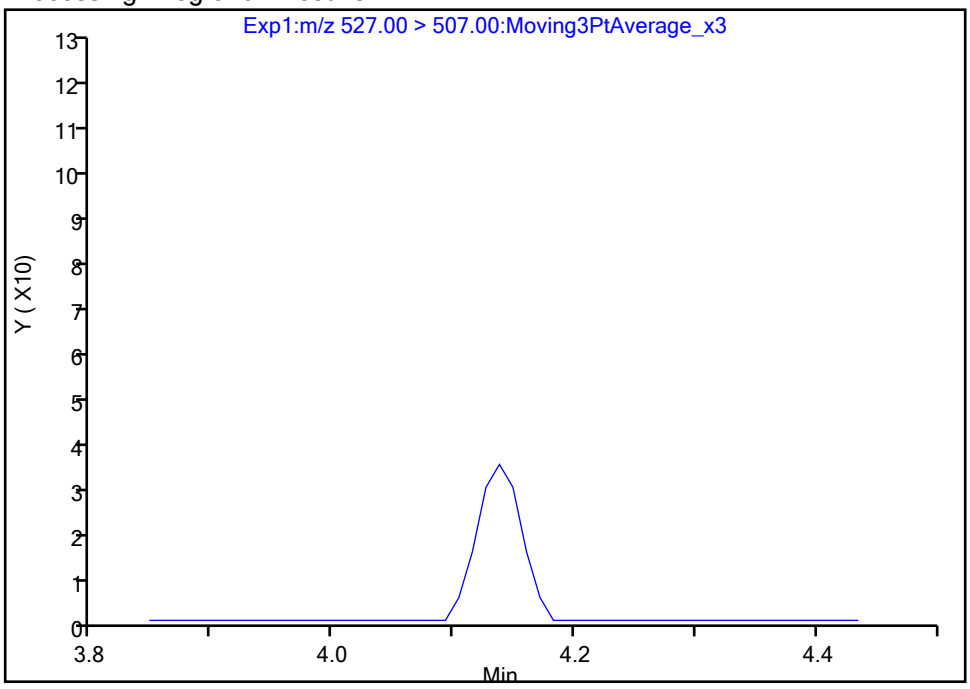
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B13.d				
Injection Date:	03-Mar-2021 20:37:36	Instrument ID:	LC812		
Lims ID:	480-181441-A-5-A	Lab Sample ID:	200-181441-5		
Client ID:	MW-3S-022321				
Operator ID:	lc812tech	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

25 1H,1H,2H,2H-perfluorodecanesulfo, CAS: 39108-34-4

Signal: 1

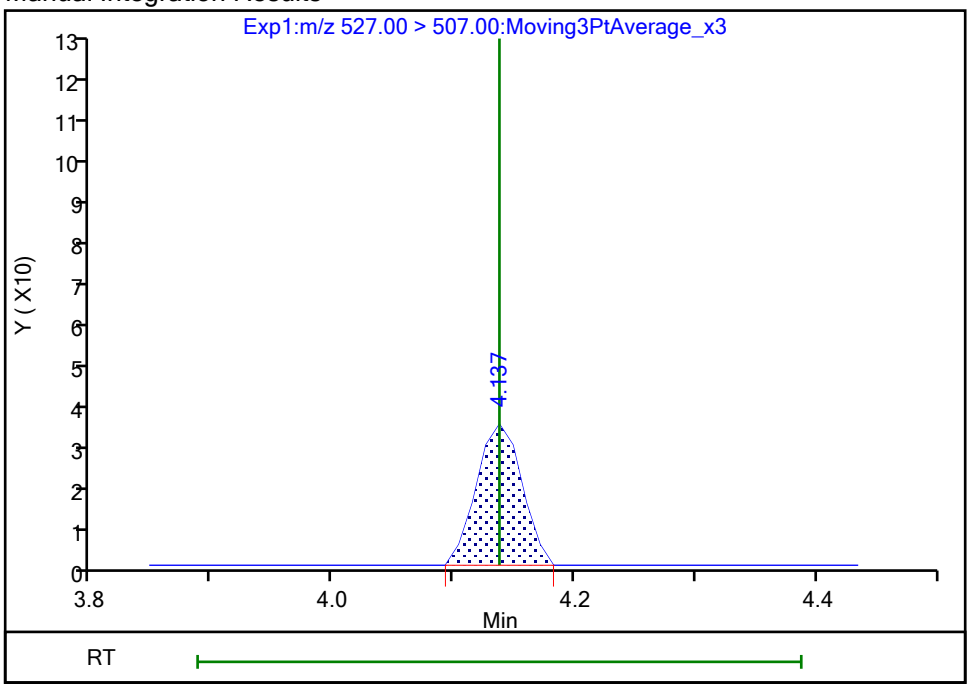
Not Detected
Expected RT: 4.14

Processing Integration Results



Manual Integration Results

RT: 4.14
Area: 88
Amount: 0.001176
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:21:13
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

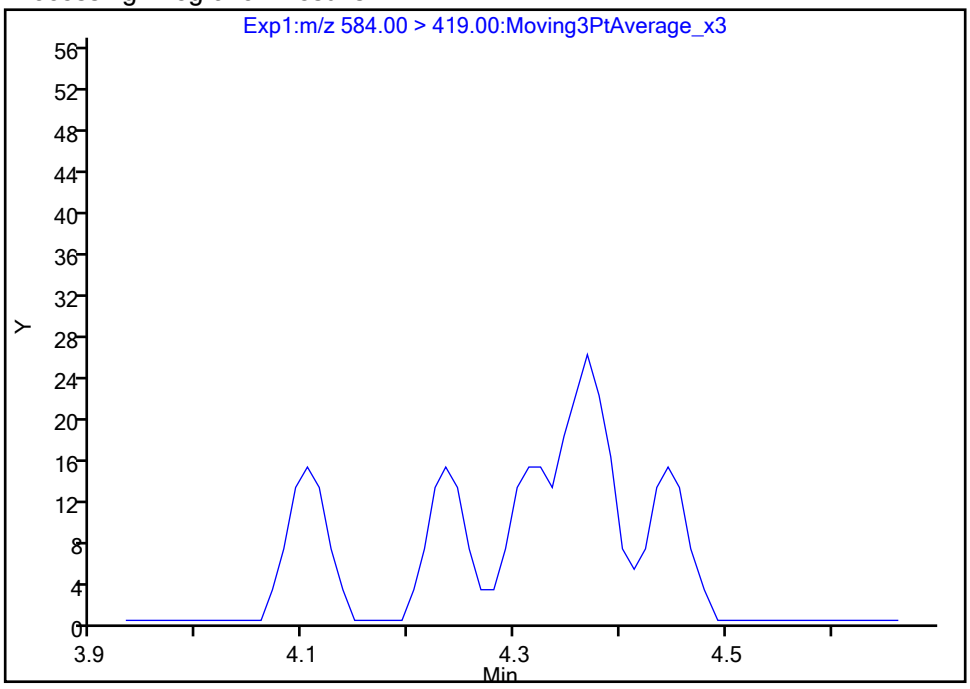
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Injection Date:	03-Mar-2021 20:37:36	Instrument ID:	LC812		
Lims ID:	480-181441-A-5-A	Lab Sample ID:	200-181441-5		
Client ID:	MW-3S-022321				
Operator ID:	lc812tech	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

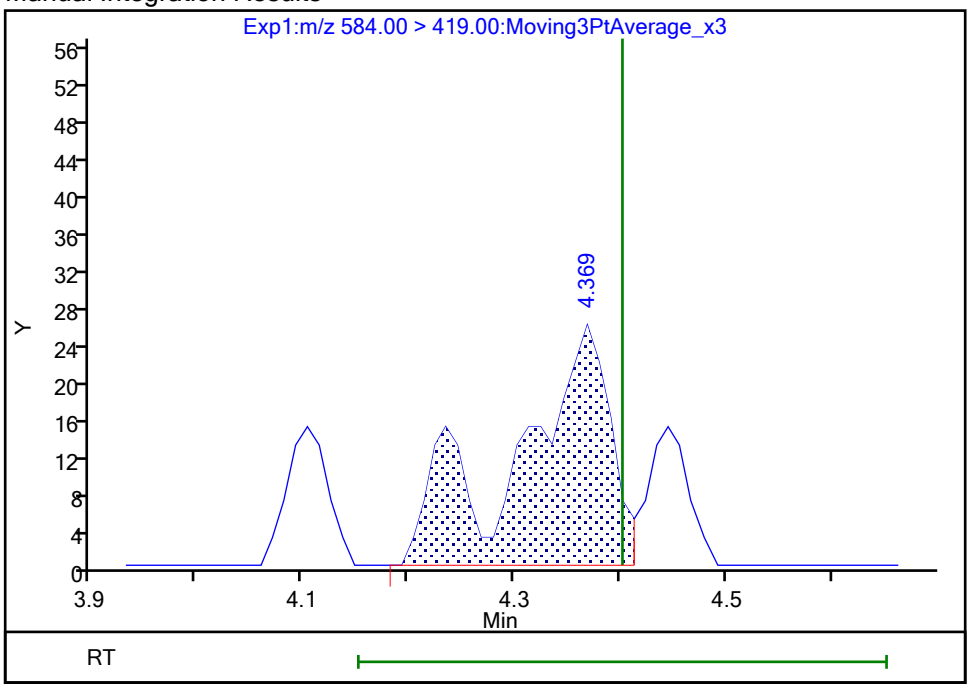
Not Detected
Expected RT: 4.40

Processing Integration Results



Manual Integration Results

RT: 4.37
Area: 158
Amount: 0.004116
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:22:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

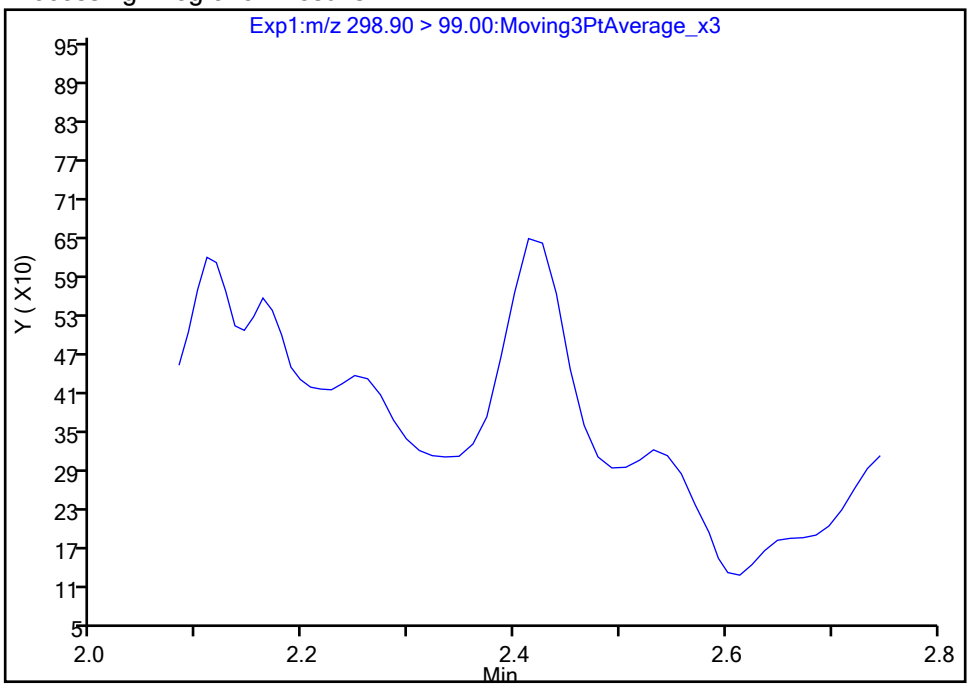
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B13.d				
Injection Date:	03-Mar-2021 20:37:36	Instrument ID:	LC812		
Lims ID:	480-181441-A-5-A	Lab Sample ID:	200-181441-5		
Client ID:	MW-3S-022321				
Operator ID:	lc812tech	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

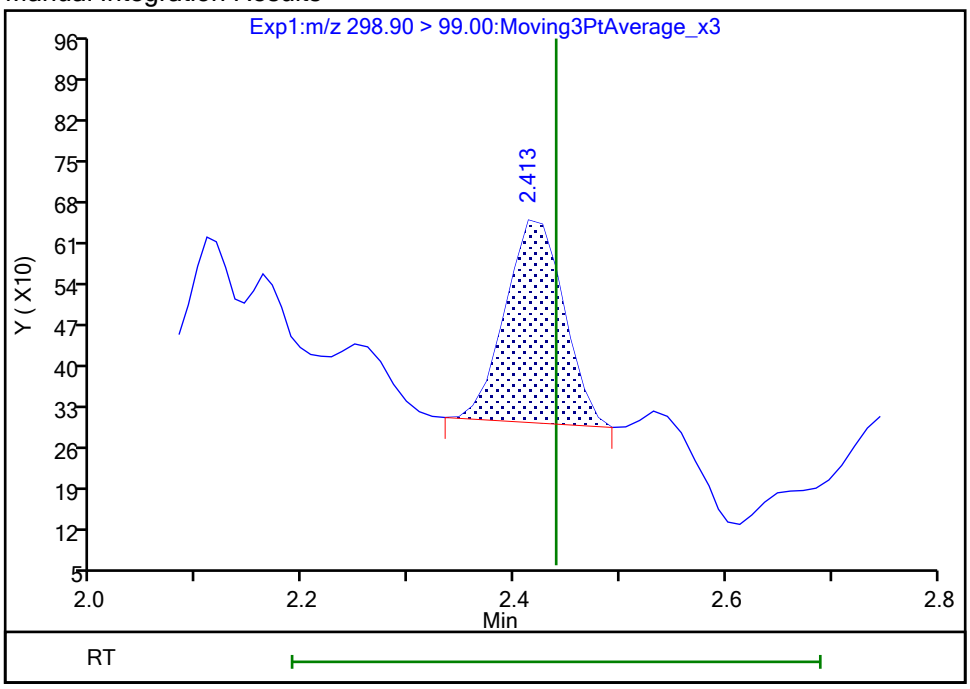
Not Detected
Expected RT: 2.44

Processing Integration Results



Manual Integration Results

RT: 2.41
Area: 1335
Amount: 0.001526
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:19:22
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

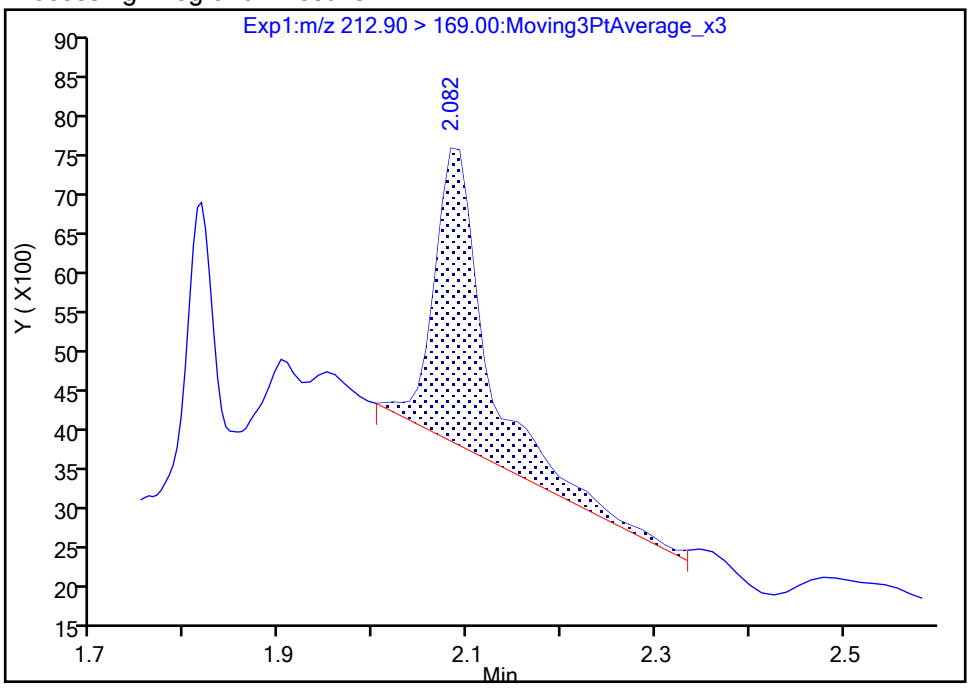
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B13.d				
Injection Date:	03-Mar-2021 20:37:36	Instrument ID:	LC812		
Lims ID:	480-181441-A-5-A	Lab Sample ID:	200-181441-5		
Client ID:	MW-3S-022321				
Operator ID:	lc812tech	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

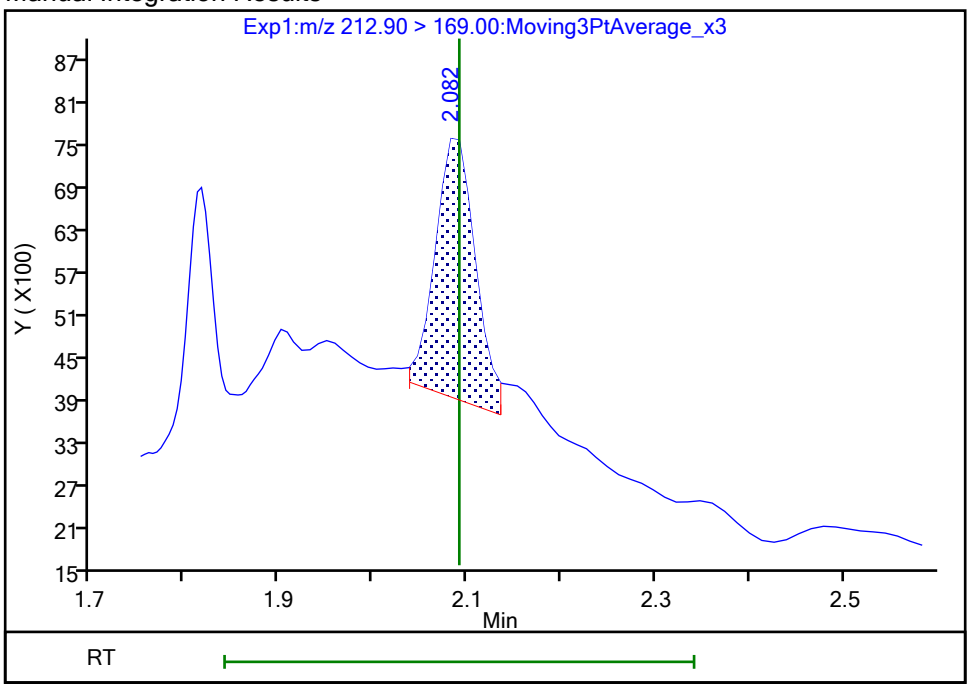
Processing Integration Results

RT: 2.08
Area: 14492
Amount: 0.012256
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 10745
Amount: 0.009087
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:19:10

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

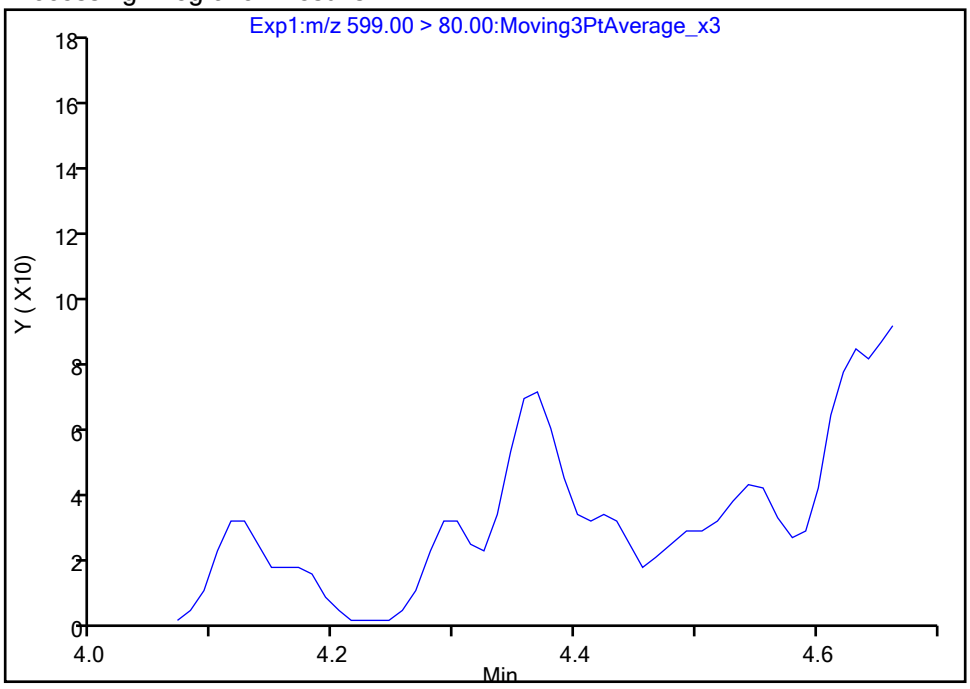
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B13.d				
Injection Date:	03-Mar-2021 20:37:36	Instrument ID:	LC812		
Lims ID:	480-181441-A-5-A	Lab Sample ID:	200-181441-5		
Client ID:	MW-3S-022321				
Operator ID:	lc812tech	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

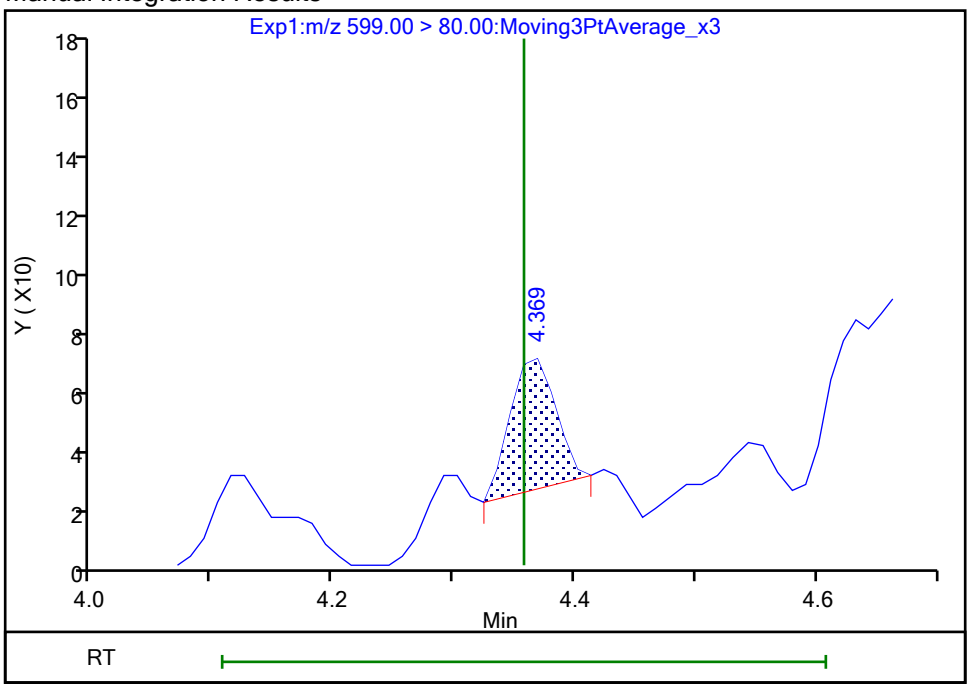
Not Detected
Expected RT: 4.36

Processing Integration Results



Manual Integration Results

RT: 4.37
Area: 115
Amount: 0.000279
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:21:32
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

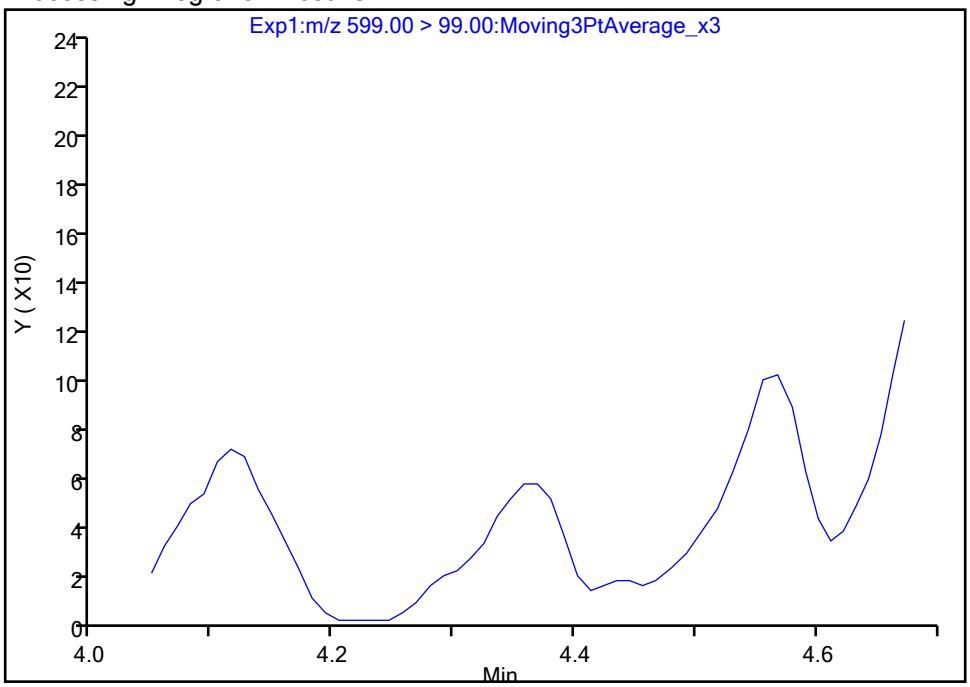
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B13.d				
Injection Date:	03-Mar-2021 20:37:36	Instrument ID:	LC812		
Lims ID:	480-181441-A-5-A	Lab Sample ID:	200-181441-5		
Client ID:	MW-3S-022321				
Operator ID:	lc812tech	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

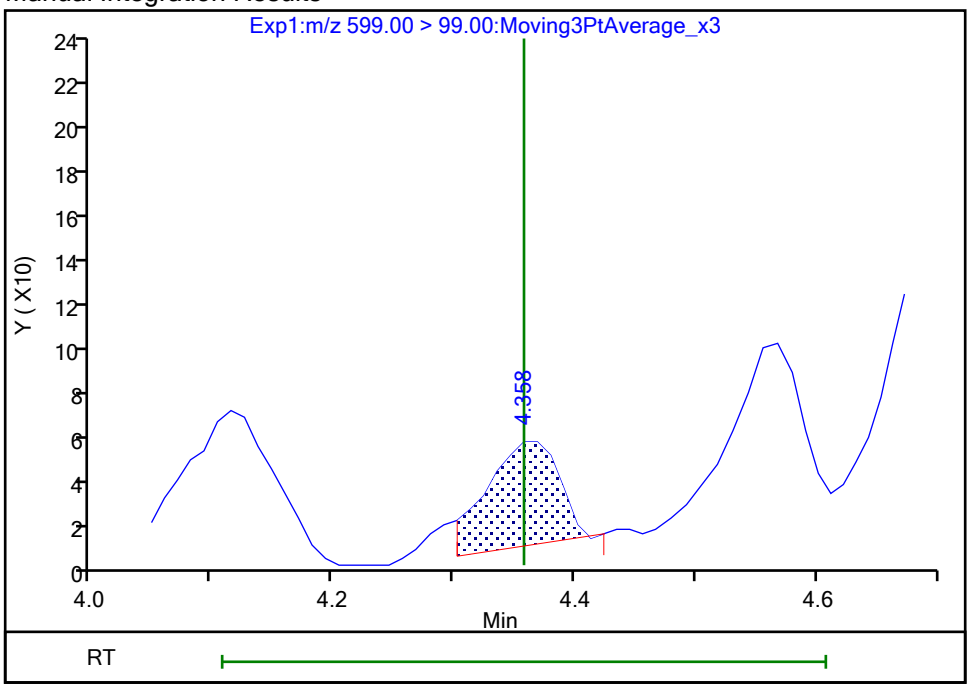
Not Detected
Expected RT: 4.36

Processing Integration Results



Manual Integration Results

RT: 4.36
Area: 191
Amount: 0.000279
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:21:43
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

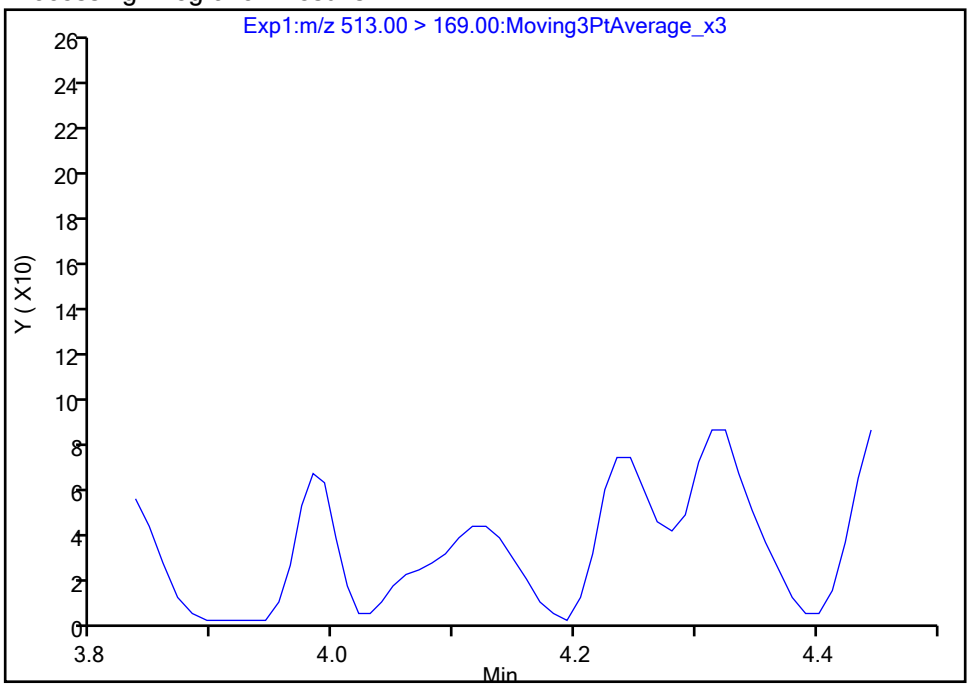
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B13.d				
Injection Date:	03-Mar-2021 20:37:36	Instrument ID:	LC812		
Lims ID:	480-181441-A-5-A	Lab Sample ID:	200-181441-5		
Client ID:	MW-3S-022321				
Operator ID:	lc812tech	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

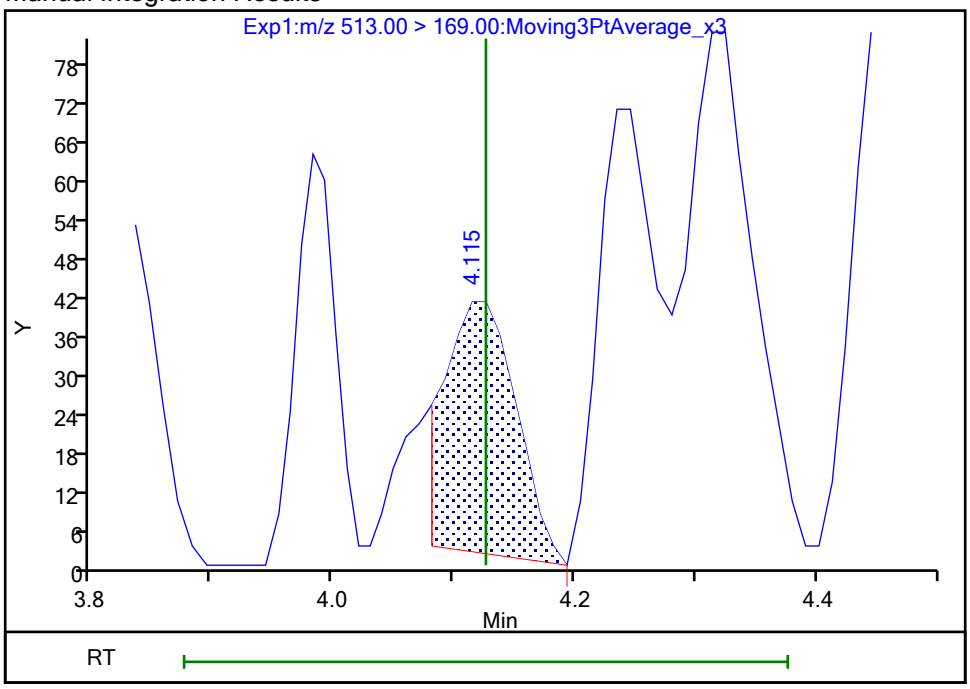
Not Detected
Expected RT: 4.13

Processing Integration Results



Manual Integration Results

RT: 4.12
Area: 158
Amount: 0.001211
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:21:06
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

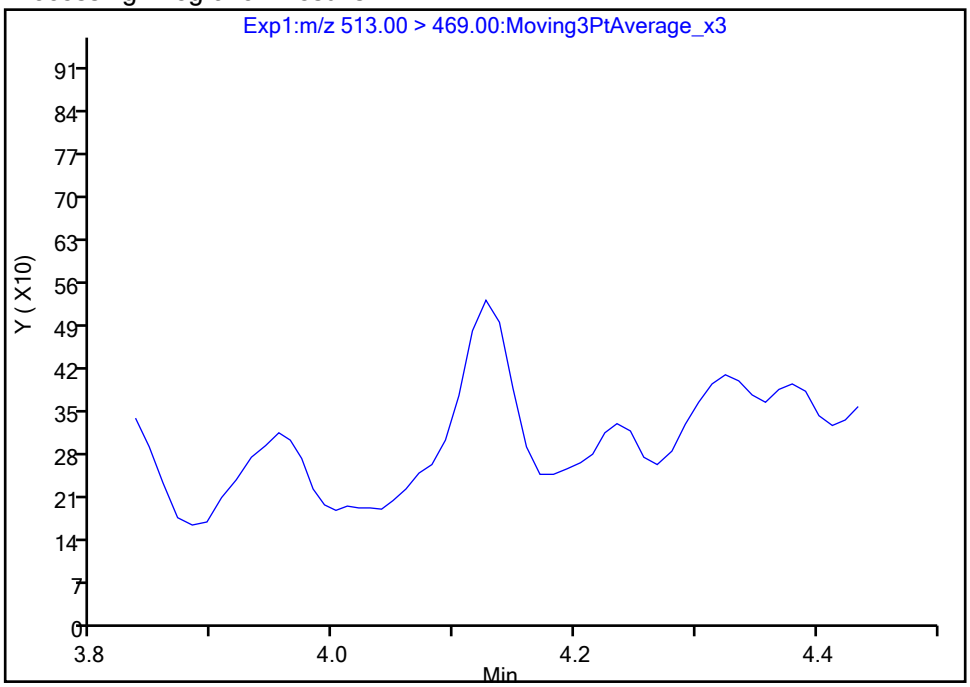
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B13.d				
Injection Date:	03-Mar-2021 20:37:36	Instrument ID:	LC812		
Lims ID:	480-181441-A-5-A	Lab Sample ID:	200-181441-5		
Client ID:	MW-3S-022321				
Operator ID:	lc812tech	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

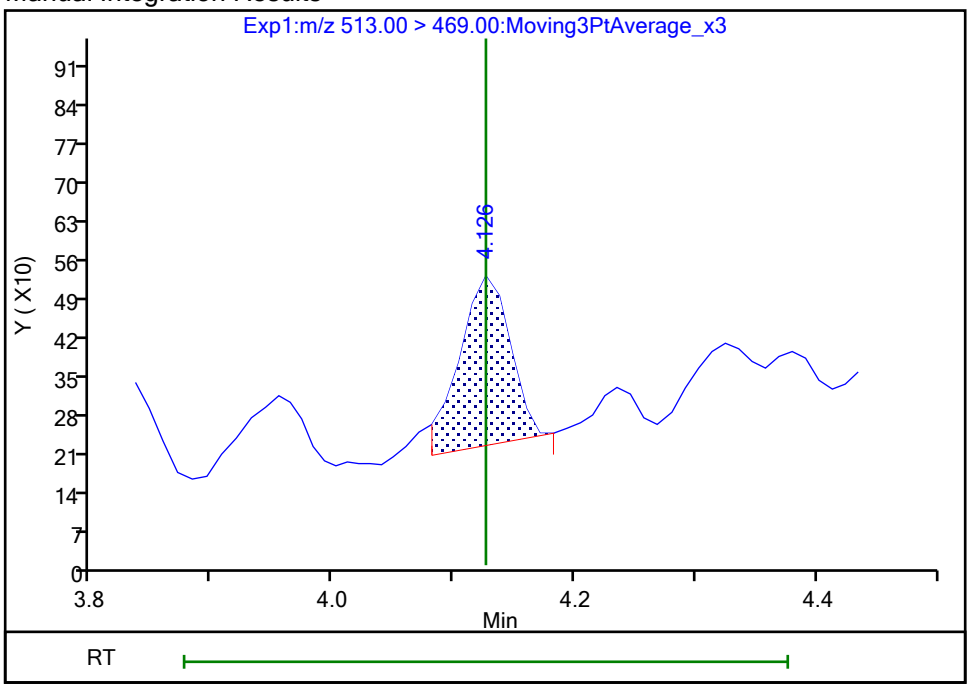
Not Detected
Expected RT: 4.13

Processing Integration Results



Manual Integration Results

RT: 4.13
Area: 891
Amount: 0.001211
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:21:07
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

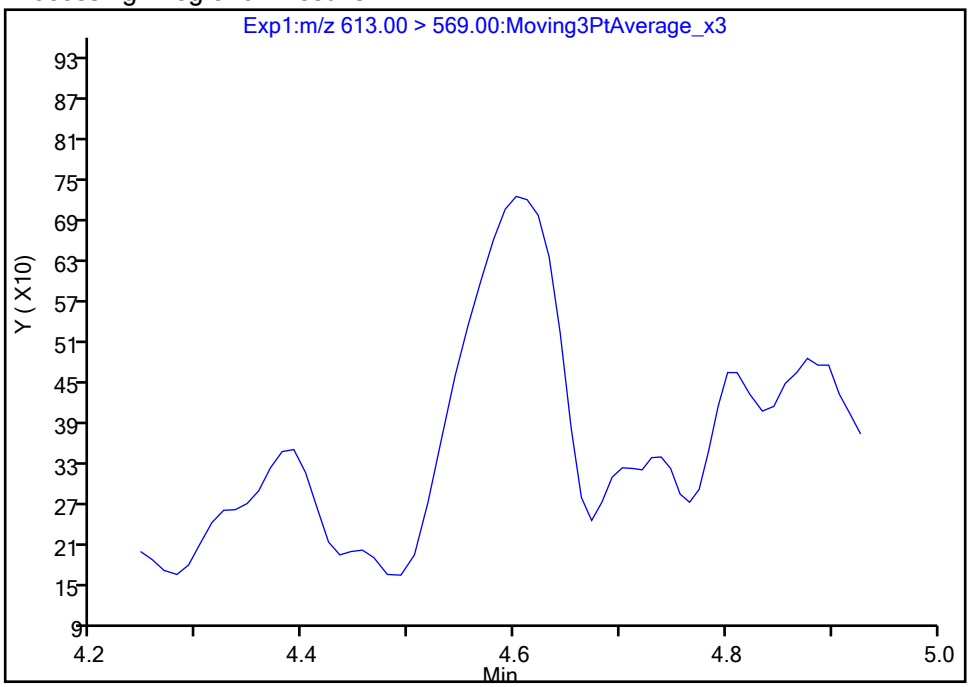
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B13.d				
Injection Date:	03-Mar-2021 20:37:36	Instrument ID:	LC812		
Lims ID:	480-181441-A-5-A	Lab Sample ID:	200-181441-5		
Client ID:	MW-3S-022321				
Operator ID:	lc812tech	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

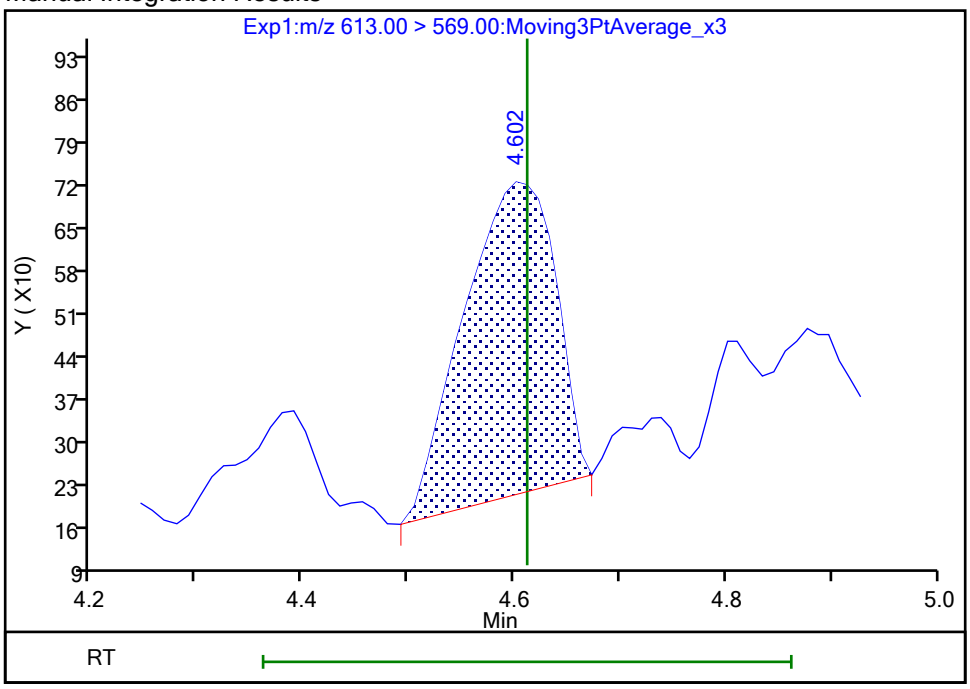
Not Detected
Expected RT: 4.61

Processing Integration Results



Manual Integration Results

RT: 4.60
Area: 3093
Amount: 0.005381
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:22:10
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

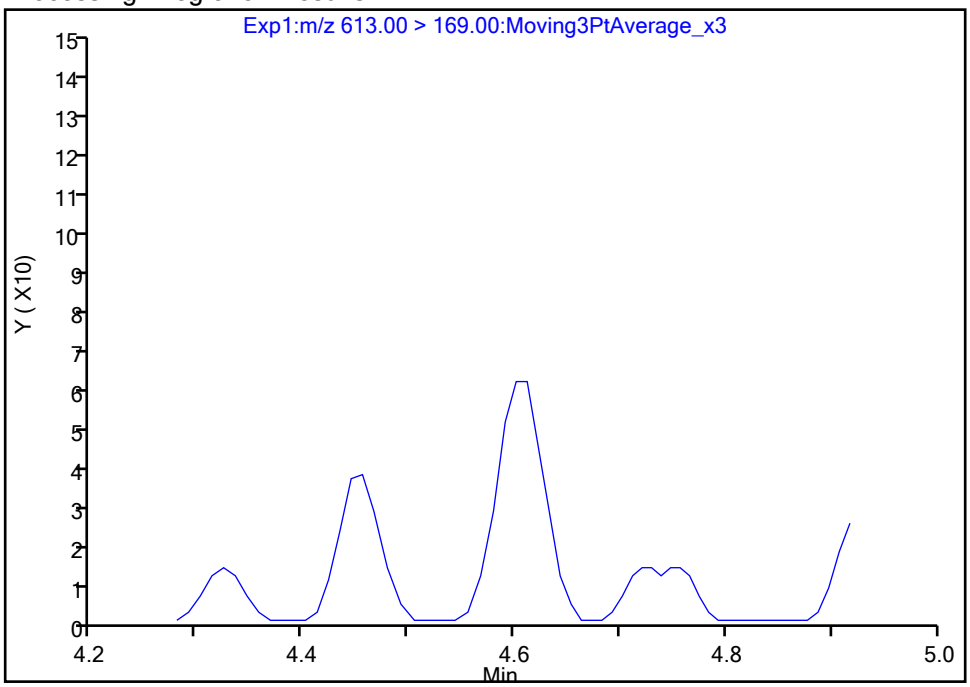
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B13.d				
Injection Date:	03-Mar-2021 20:37:36	Instrument ID:	LC812		
Lims ID:	480-181441-A-5-A	Lab Sample ID:	200-181441-5		
Client ID:	MW-3S-022321				
Operator ID:	lc812tech	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

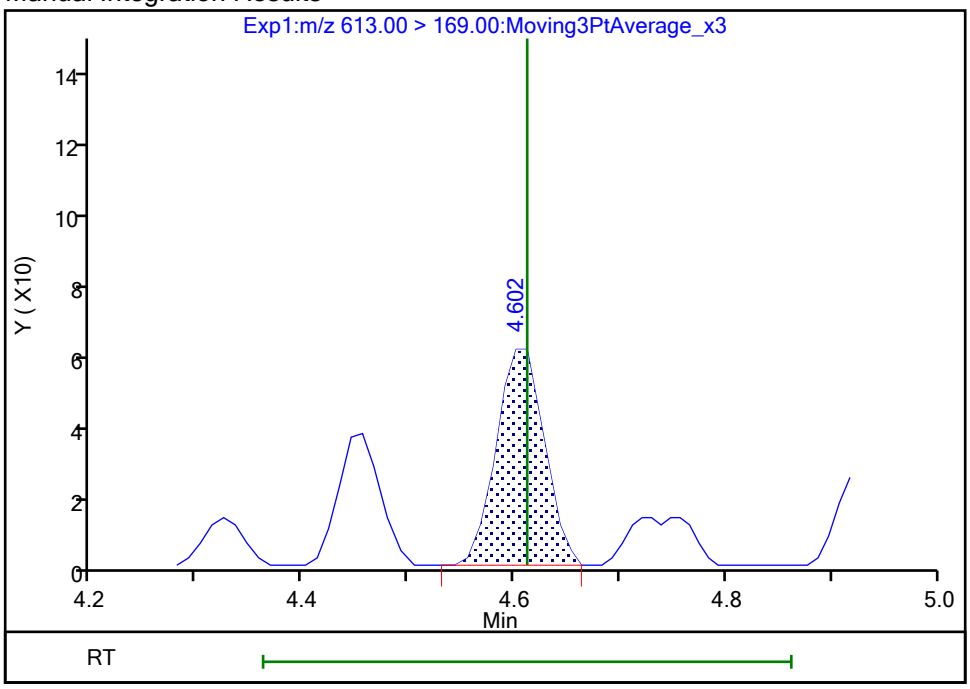
Processing Integration Results

Not Detected
Expected RT: 4.61



Manual Integration Results

RT: 4.60
Area: 186
Amount: 0.005381
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:22:12
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

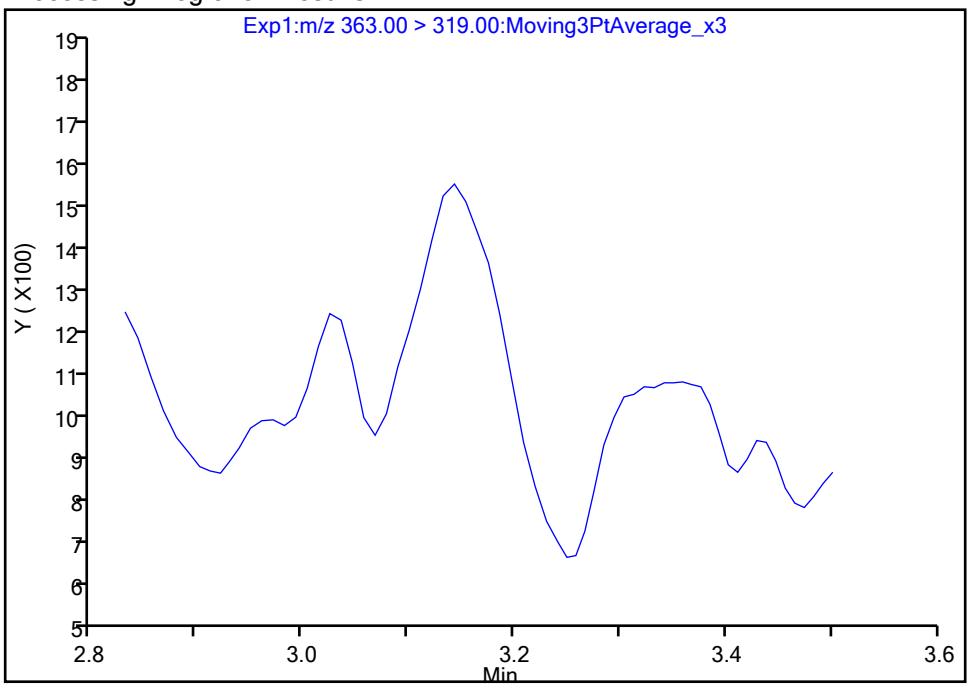
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B13.d				
Injection Date:	03-Mar-2021 20:37:36	Instrument ID:	LC812		
Lims ID:	480-181441-A-5-A	Lab Sample ID:	200-181441-5		
Client ID:	MW-3S-022321				
Operator ID:	lc812tech	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

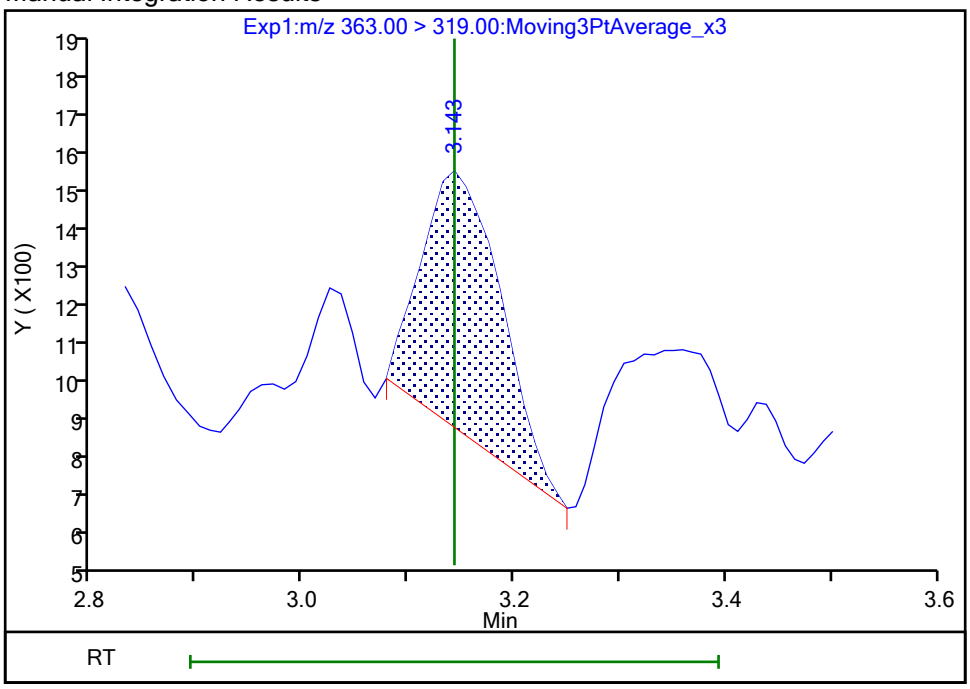
Not Detected
Expected RT: 3.14

Processing Integration Results



Manual Integration Results

RT: 3.14
Area: 3384
Amount: 0.003061
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:19:57
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

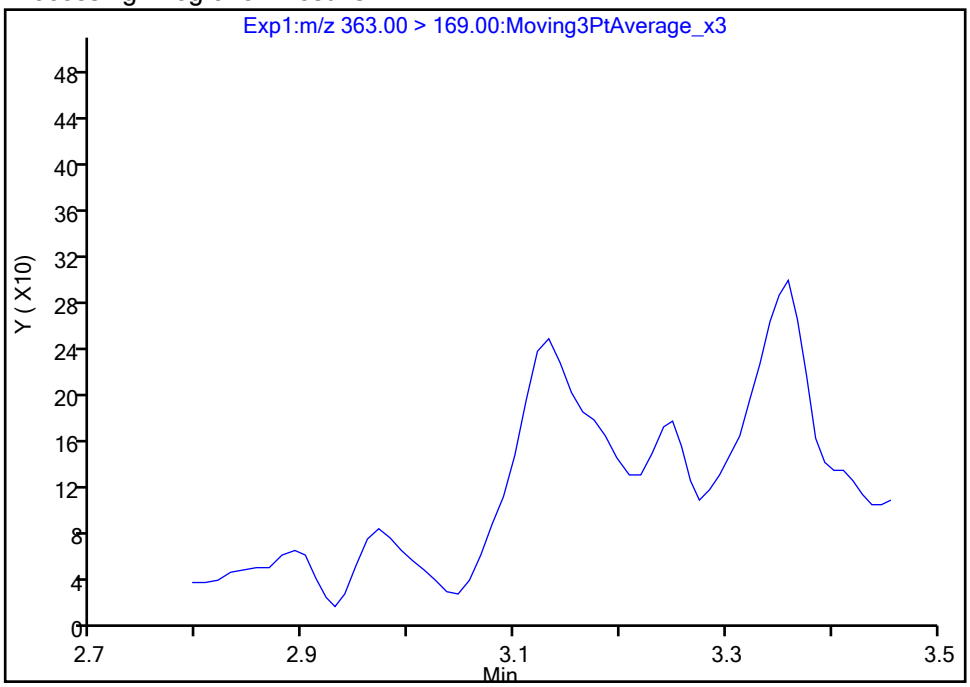
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B13.d				
Injection Date:	03-Mar-2021 20:37:36	Instrument ID:	LC812		
Lims ID:	480-181441-A-5-A	Lab Sample ID:	200-181441-5		
Client ID:	MW-3S-022321				
Operator ID:	lc812tech	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

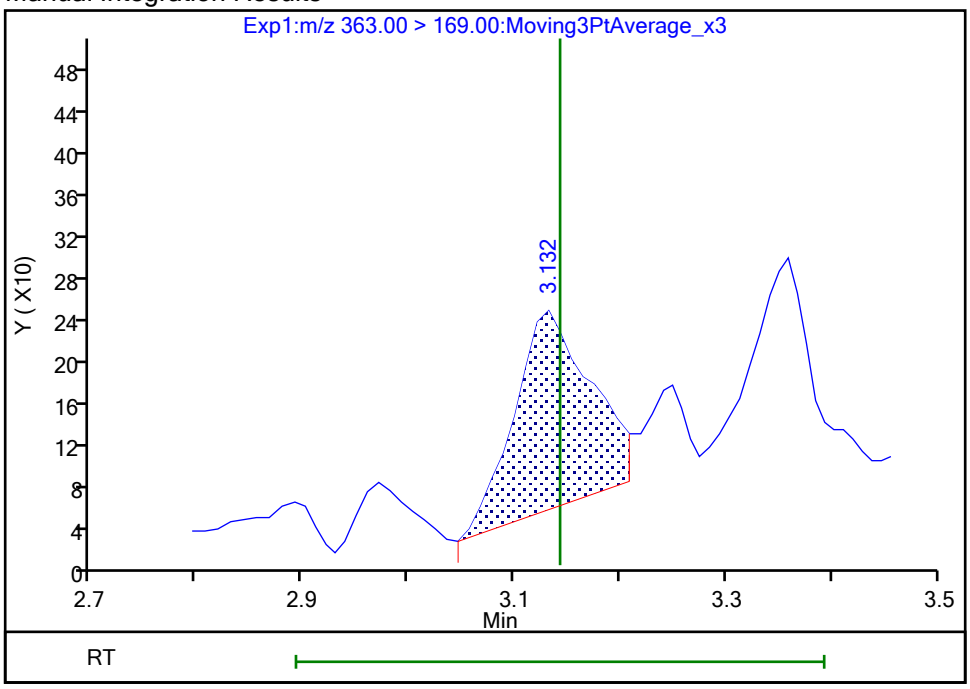
Not Detected
Expected RT: 3.14

Processing Integration Results



Manual Integration Results

RT: 3.13
Area: 957
Amount: 0.003061
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:19:59
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

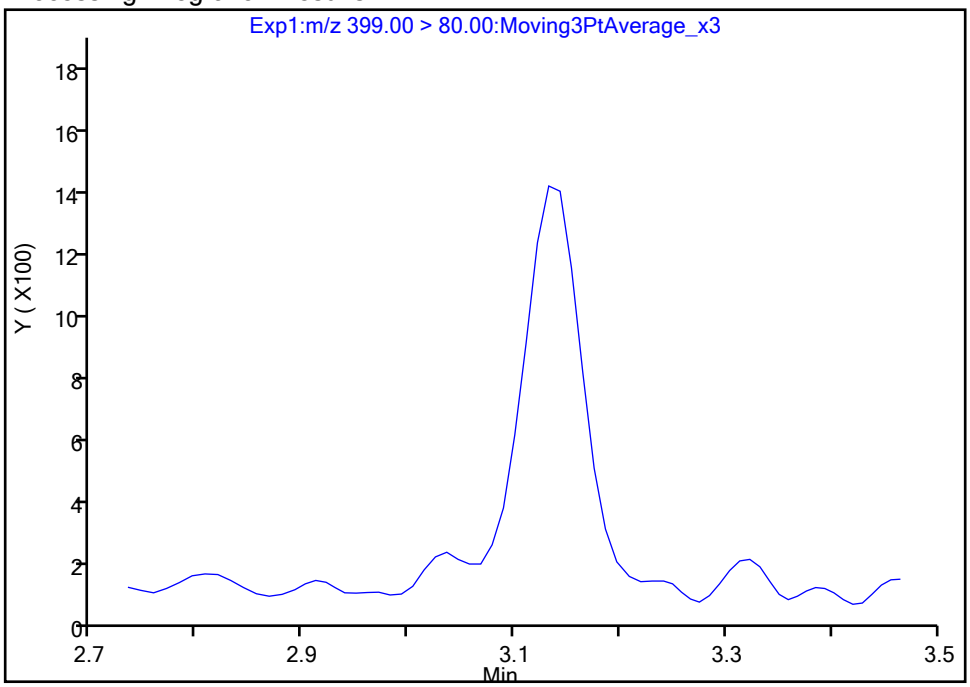
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B13.d				
Injection Date:	03-Mar-2021 20:37:36	Instrument ID:	LC812		
Lims ID:	480-181441-A-5-A	Lab Sample ID:	200-181441-5		
Client ID:	MW-3S-022321				
Operator ID:	lc812tech	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

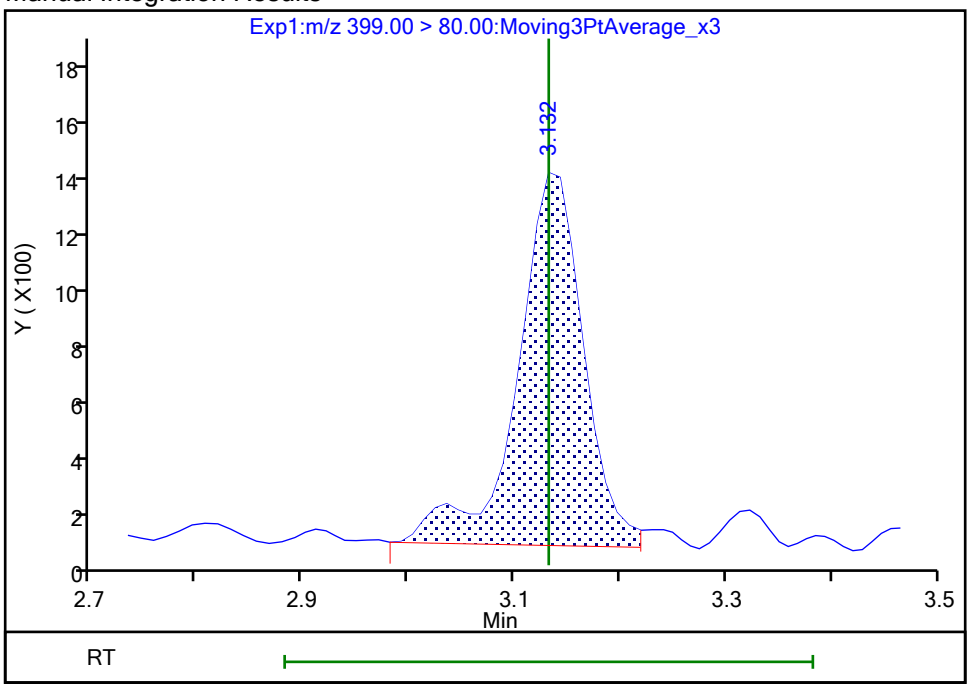
Not Detected
Expected RT: 3.13

Processing Integration Results



Manual Integration Results

RT: 3.13
Area: 5806
Amount: 0.005028
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:19:43
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

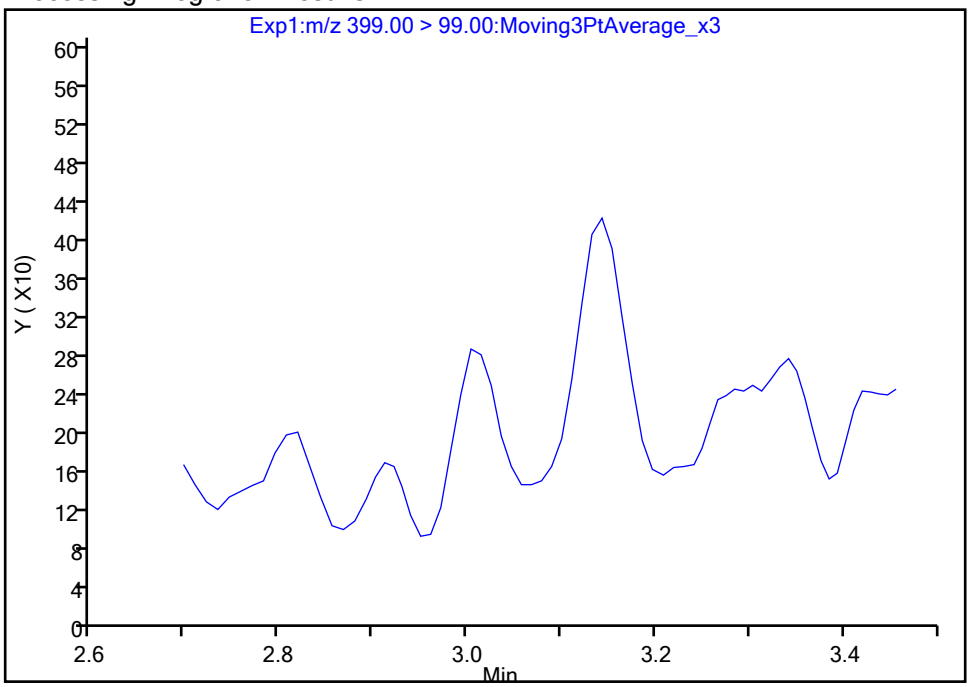
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B13.d				
Injection Date:	03-Mar-2021 20:37:36	Instrument ID:	LC812		
Lims ID:	480-181441-A-5-A	Lab Sample ID:	200-181441-5		
Client ID:	MW-3S-022321				
Operator ID:	lc812tech	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

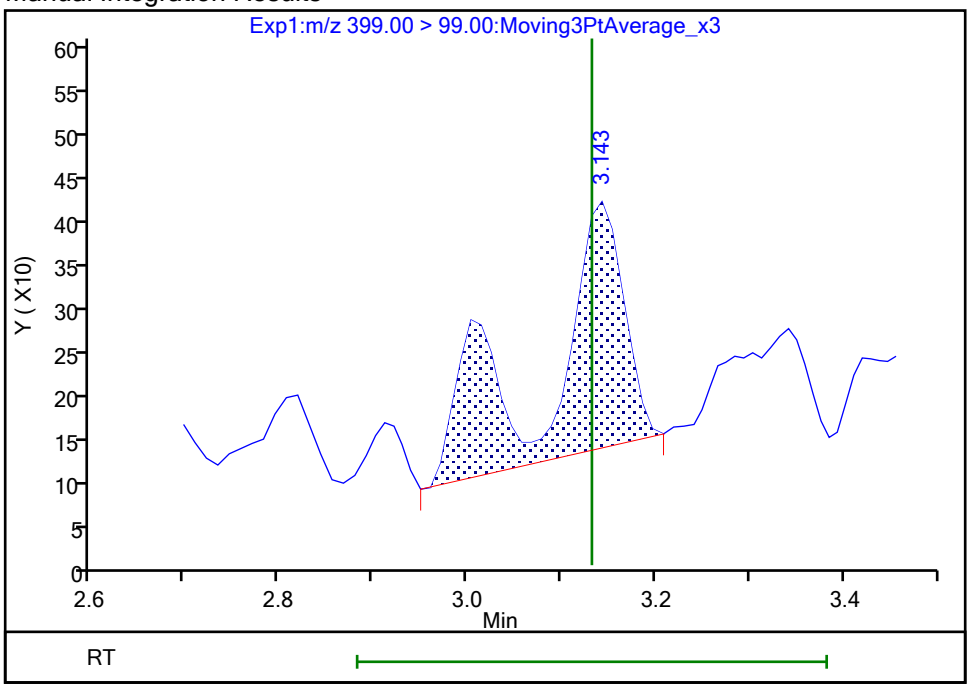
Not Detected
Expected RT: 3.13

Processing Integration Results



Manual Integration Results

RT: 3.14
Area: 1620
Amount: 0.005028
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:19:46
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

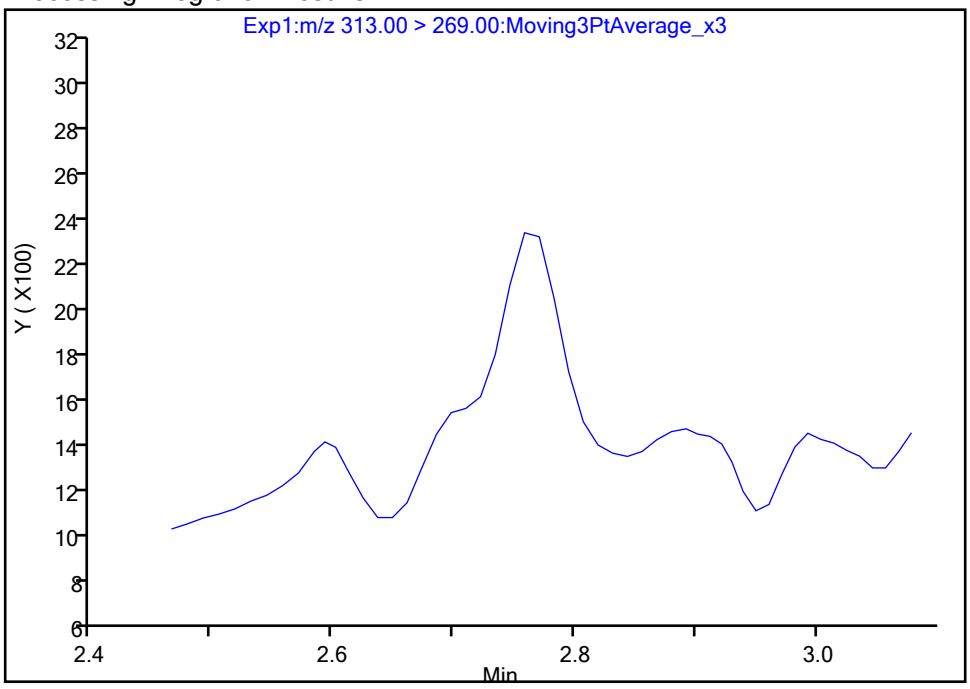
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B13.d				
Injection Date:	03-Mar-2021 20:37:36	Instrument ID:	LC812		
Lims ID:	480-181441-A-5-A	Lab Sample ID:	200-181441-5		
Client ID:	MW-3S-022321				
Operator ID:	lc812tech	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

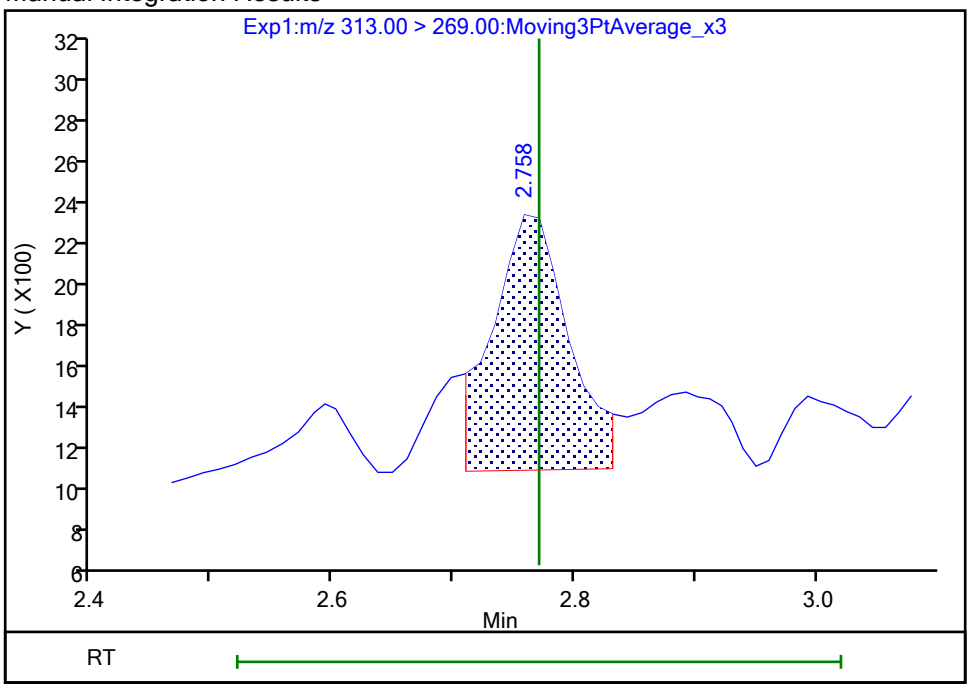
Not Detected
Expected RT: 2.77

Processing Integration Results



Manual Integration Results

RT: 2.76
Area: 5224
Amount: 0.004550
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:19:34
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

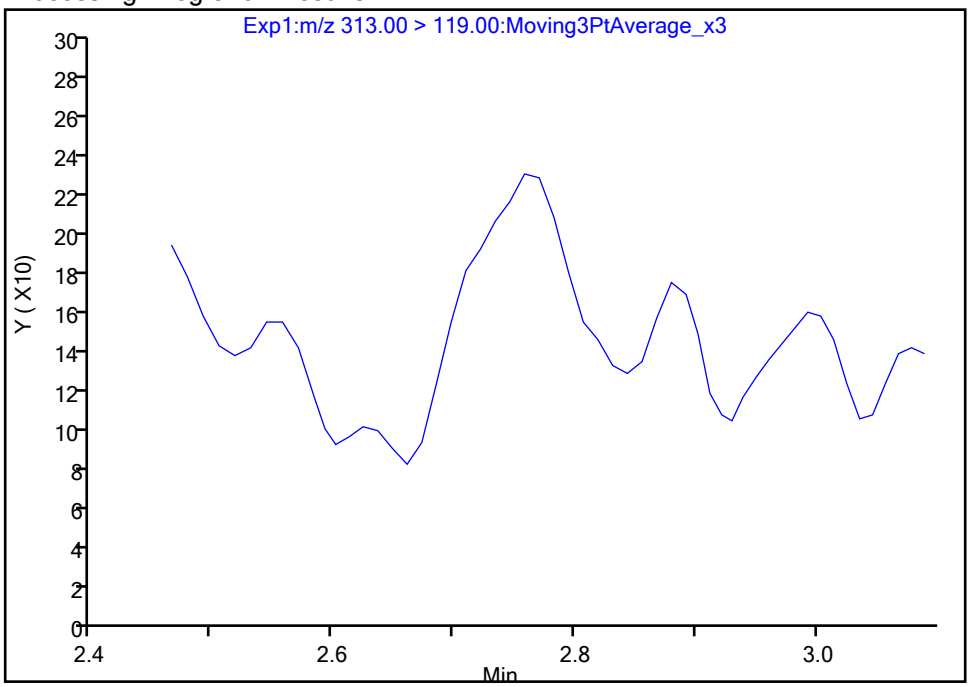
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B13.d				
Injection Date:	03-Mar-2021 20:37:36	Instrument ID:	LC812		
Lims ID:	480-181441-A-5-A	Lab Sample ID:	200-181441-5		
Client ID:	MW-3S-022321				
Operator ID:	lc812tech	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

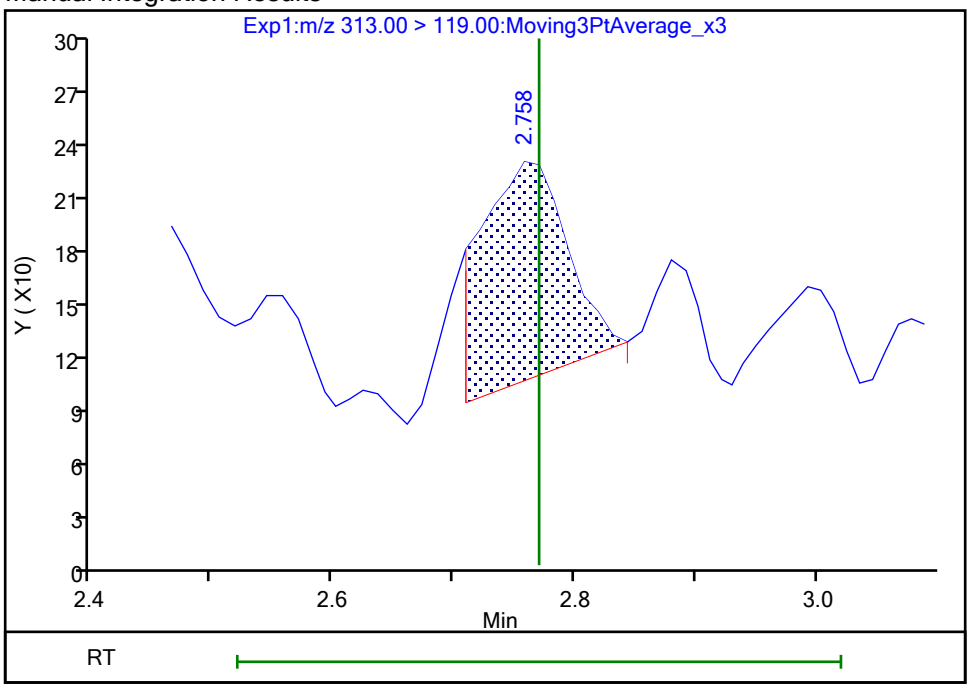
Not Detected
Expected RT: 2.77

Processing Integration Results



Manual Integration Results

RT: 2.76
Area: 596
Amount: 0.004550
Amount Units: ng/ml



Reviewer: deannd, 04-Mar-2021 09:38:42
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

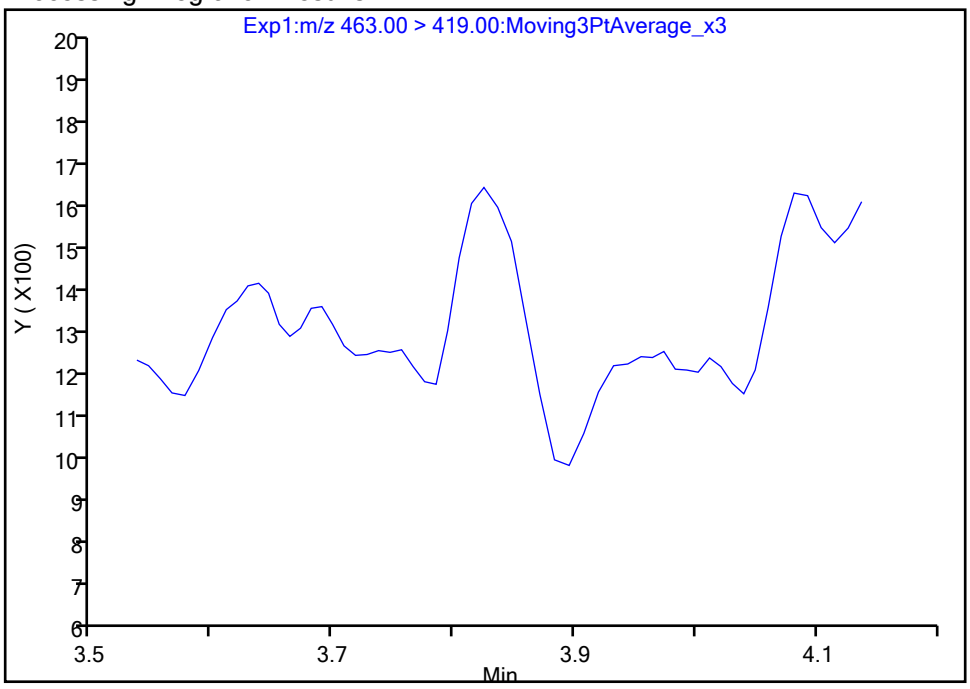
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B13.d				
Injection Date:	03-Mar-2021 20:37:36	Instrument ID:	LC812		
Lims ID:	480-181441-A-5-A	Lab Sample ID:	200-181441-5		
Client ID:	MW-3S-022321				
Operator ID:	lc812tech	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

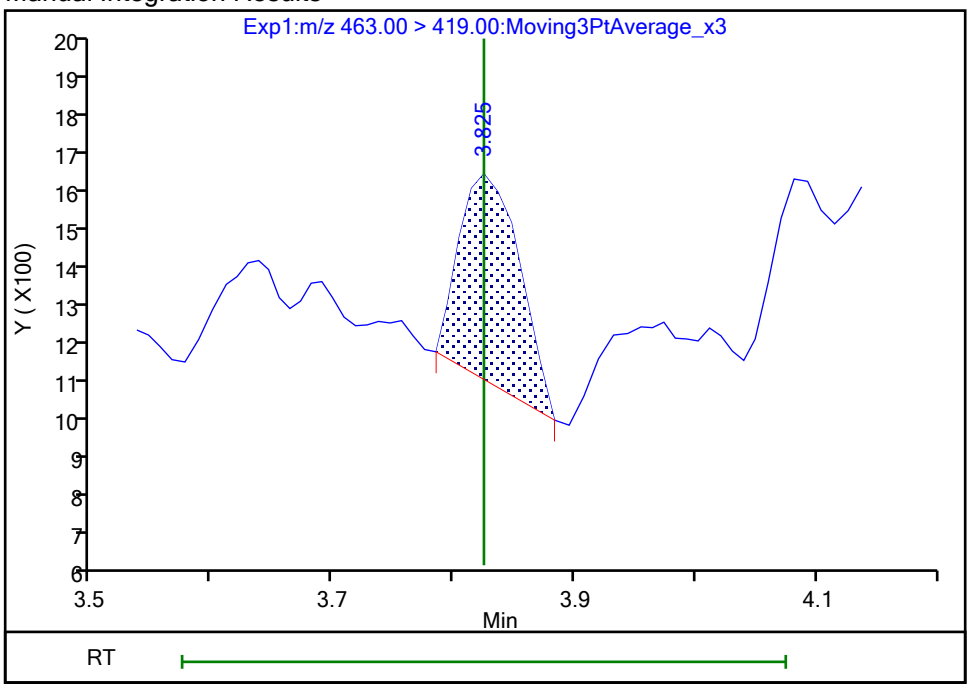
Not Detected
Expected RT: 3.82

Processing Integration Results



Manual Integration Results

RT: 3.82
Area: 1851
Amount: 0.002005
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:20:54
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

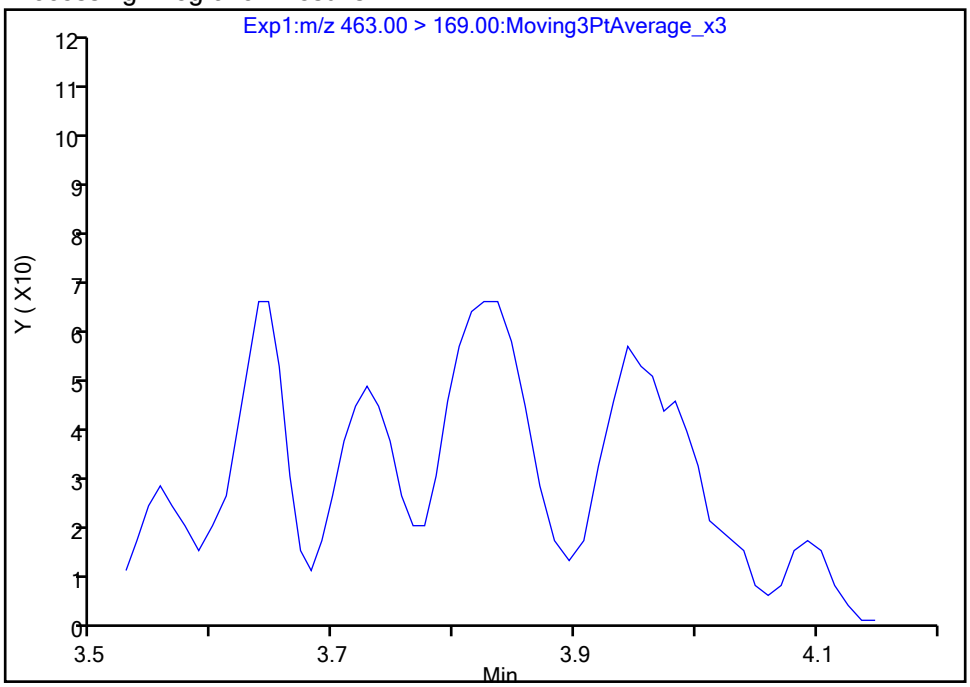
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B13.d				
Injection Date:	03-Mar-2021 20:37:36	Instrument ID:	LC812		
Lims ID:	480-181441-A-5-A	Lab Sample ID:	200-181441-5		
Client ID:	MW-3S-022321				
Operator ID:	lc812tech	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

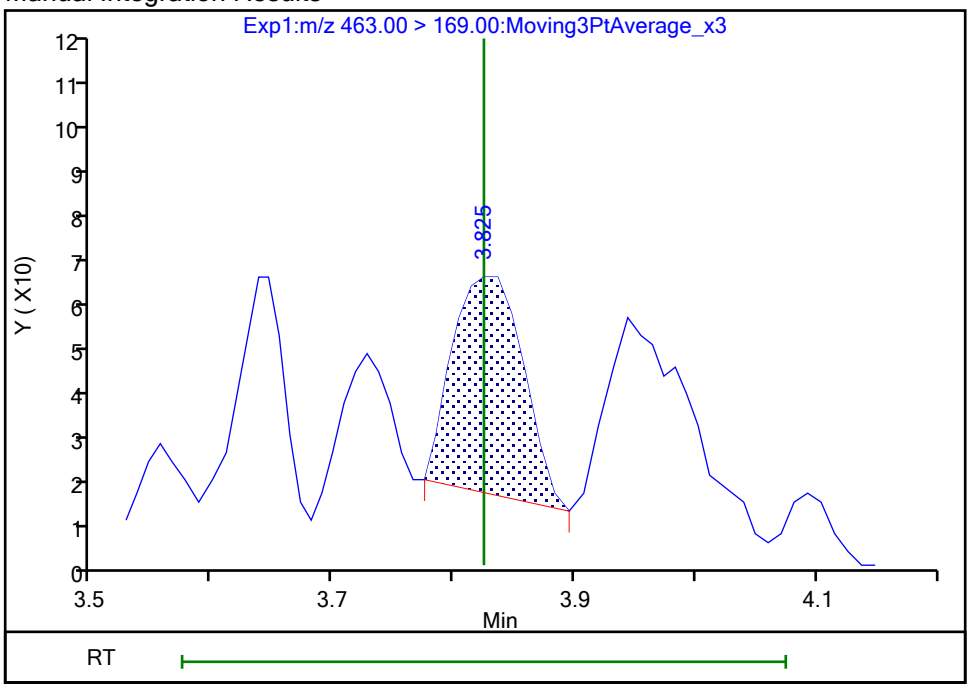
Not Detected
Expected RT: 3.82

Processing Integration Results



Manual Integration Results

RT: 3.82
Area: 196
Amount: 0.002005
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:20:56
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

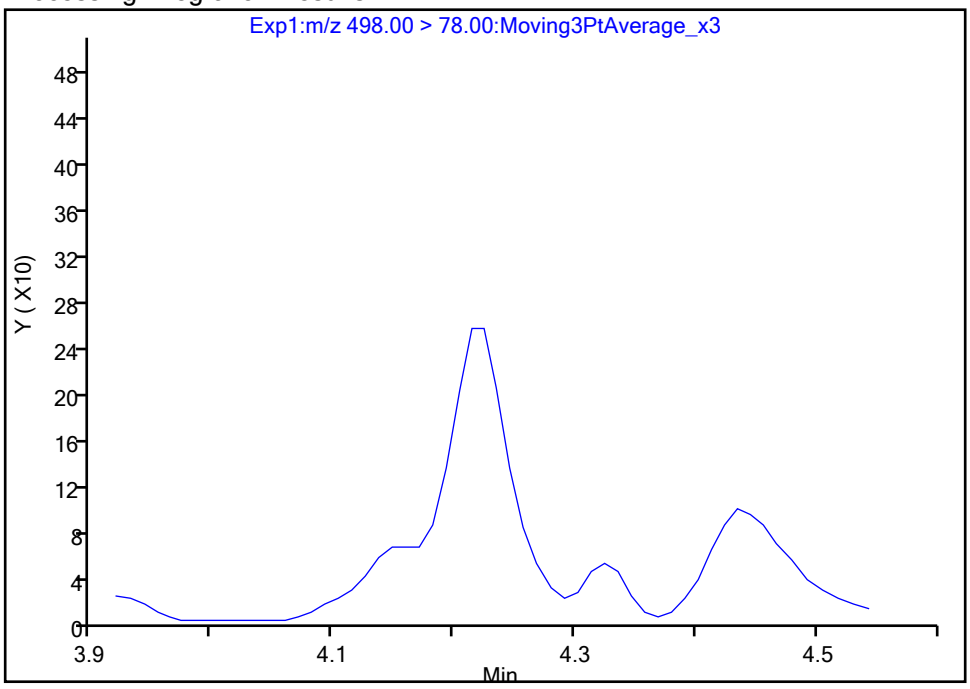
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B13.d				
Injection Date:	03-Mar-2021 20:37:36	Instrument ID:	LC812		
Lims ID:	480-181441-A-5-A	Lab Sample ID:	200-181441-5		
Client ID:	MW-3S-022321				
Operator ID:	lc812tech	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

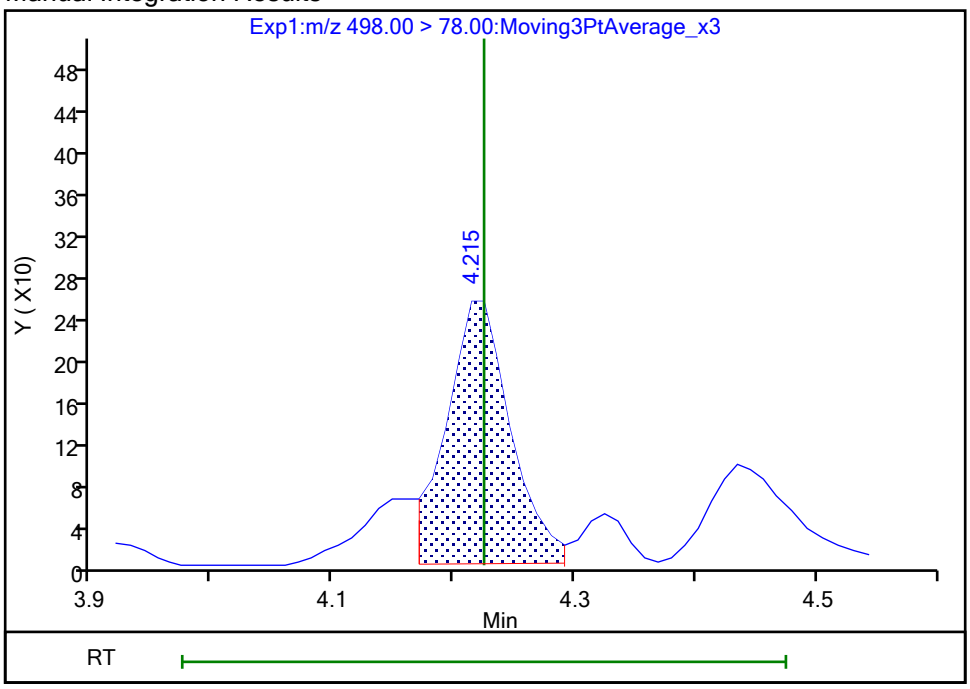
Not Detected
Expected RT: 4.22

Processing Integration Results



Manual Integration Results

RT: 4.21
Area: 910
Amount: 0.000874
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:21:23
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

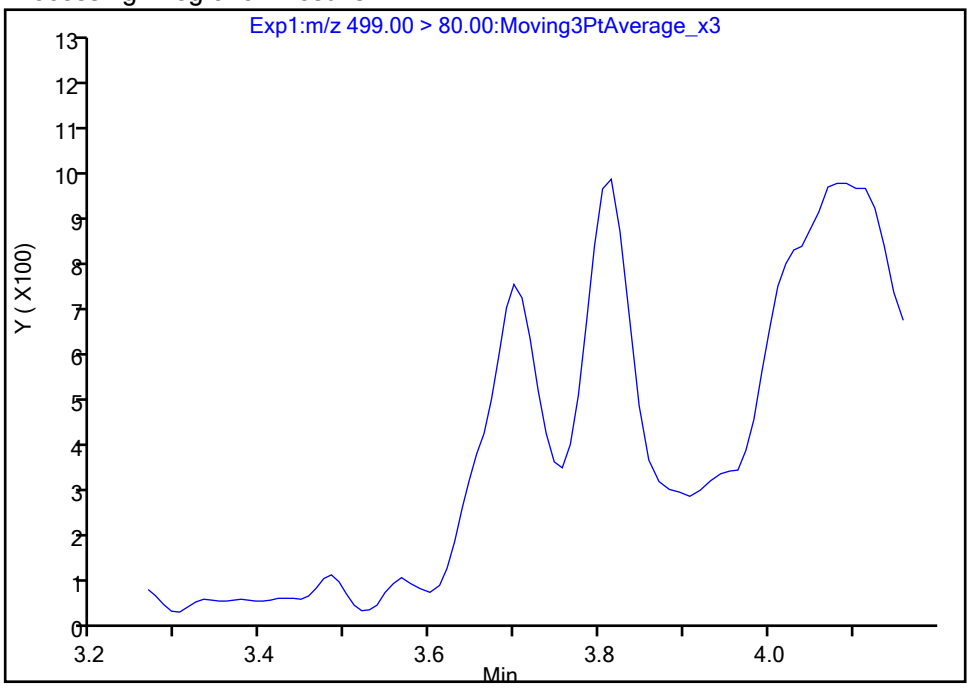
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B13.d				
Injection Date:	03-Mar-2021 20:37:36	Instrument ID:	LC812		
Lims ID:	480-181441-A-5-A	Lab Sample ID:	200-181441-5		
Client ID:	MW-3S-022321				
Operator ID:	lc812tech	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

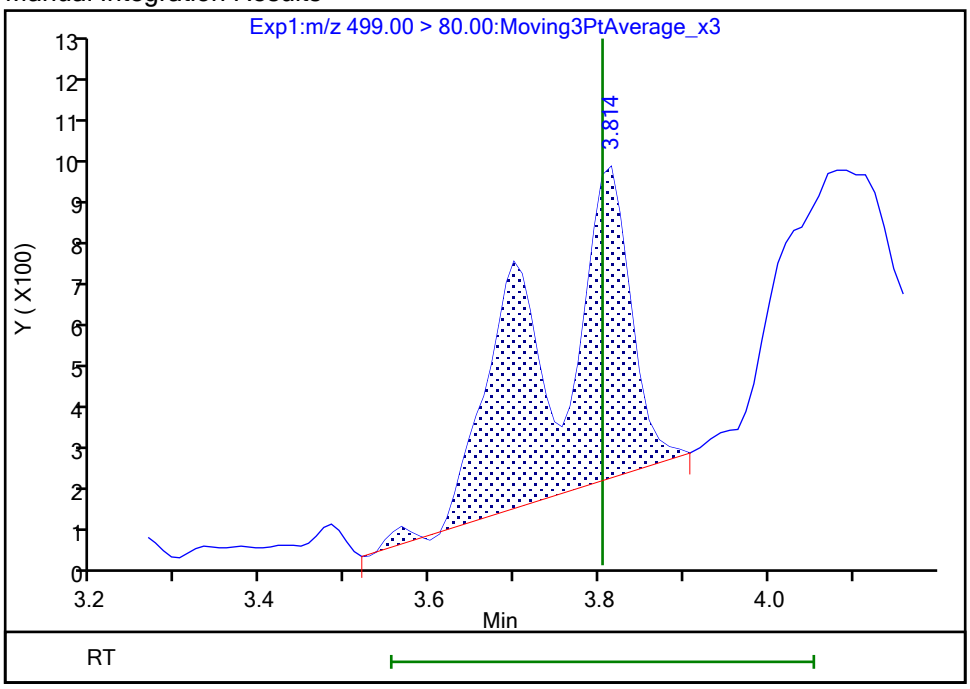
Not Detected
Expected RT: 3.80

Processing Integration Results



Manual Integration Results

RT: 3.81
Area: 5580
Amount: 0.008039
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:20:22
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

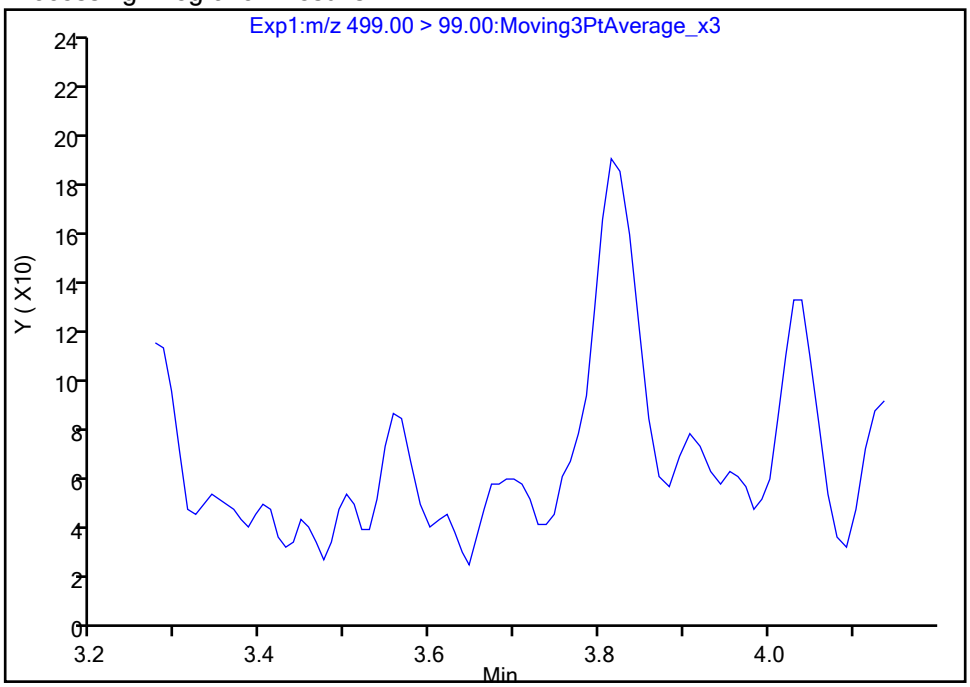
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B13.d				
Injection Date:	03-Mar-2021 20:37:36	Instrument ID:	LC812		
Lims ID:	480-181441-A-5-A	Lab Sample ID:	200-181441-5		
Client ID:	MW-3S-022321				
Operator ID:	lc812tech	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

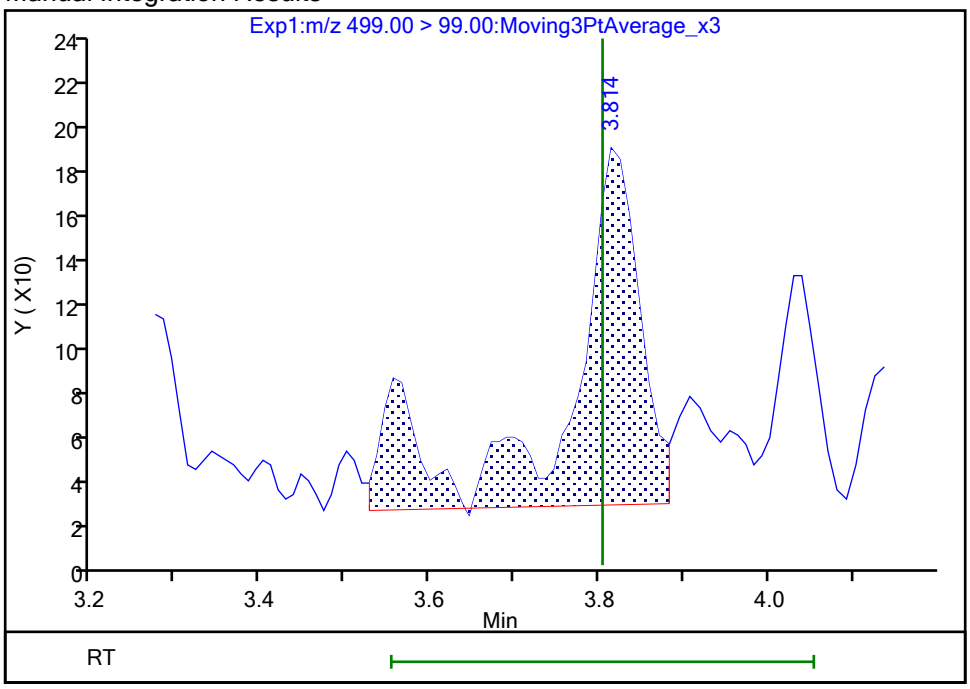
Not Detected
Expected RT: 3.80

Processing Integration Results



Manual Integration Results

RT: 3.81
Area: 960
Amount: 0.008039
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:20:43
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

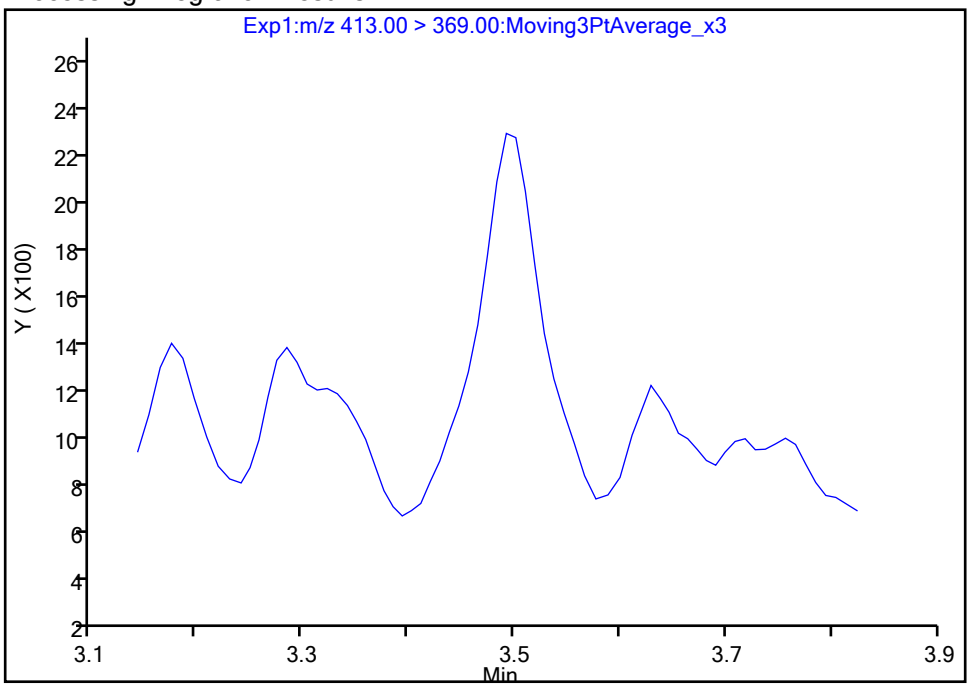
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B13.d				
Injection Date:	03-Mar-2021 20:37:36	Instrument ID:	LC812		
Lims ID:	480-181441-A-5-A	Lab Sample ID:	200-181441-5		
Client ID:	MW-3S-022321				
Operator ID:	lc812tech	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

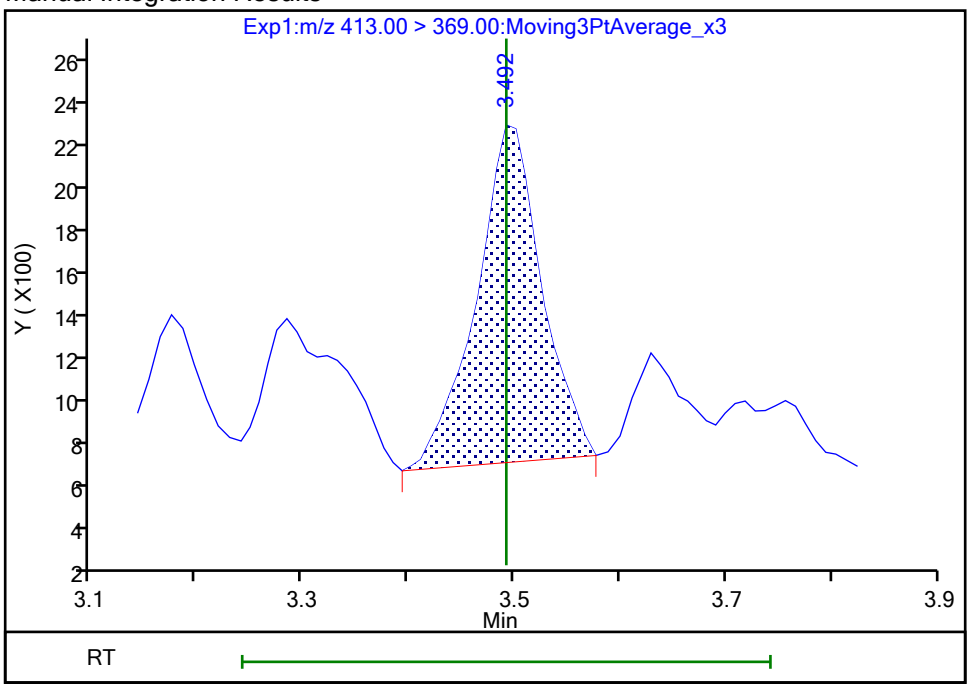
Not Detected
Expected RT: 3.49

Processing Integration Results



Manual Integration Results

RT: 3.49
Area: 6398
Amount: 0.005856
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:20:09
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

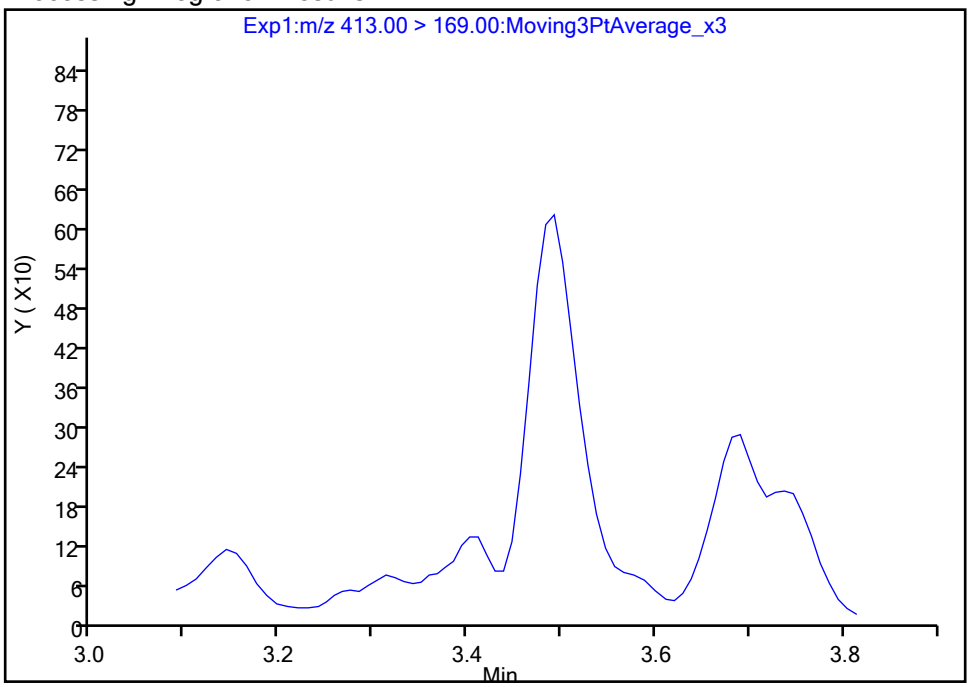
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B13.d				
Injection Date:	03-Mar-2021 20:37:36	Instrument ID:	LC812		
Lims ID:	480-181441-A-5-A	Lab Sample ID:	200-181441-5		
Client ID:	MW-3S-022321				
Operator ID:	lc812tech	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

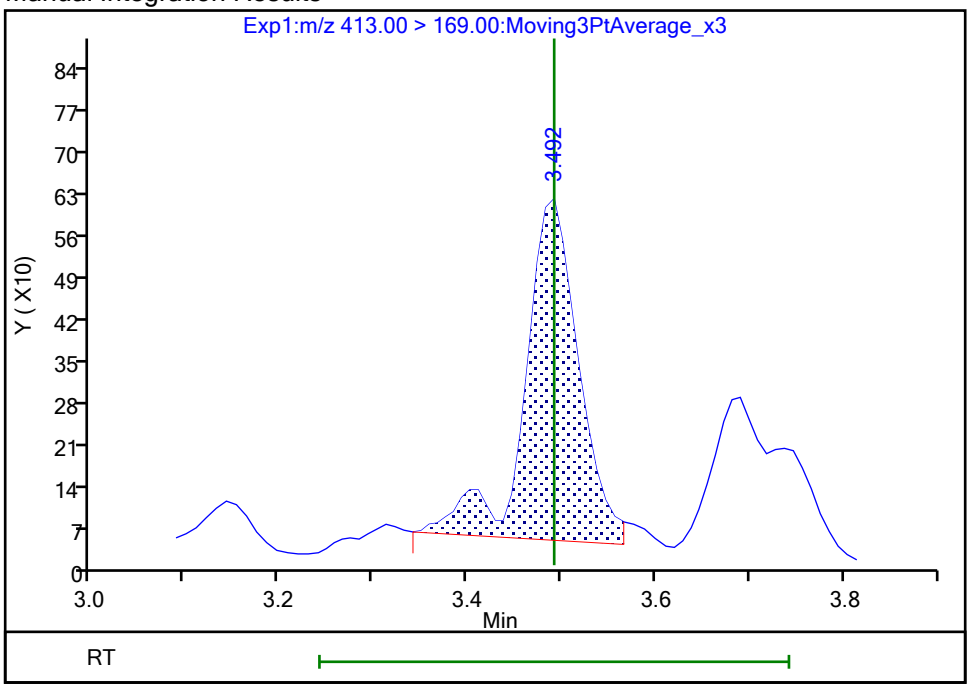
Not Detected
Expected RT: 3.49

Processing Integration Results



Manual Integration Results

RT: 3.49
Area: 2297
Amount: 0.005856
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:20:16
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

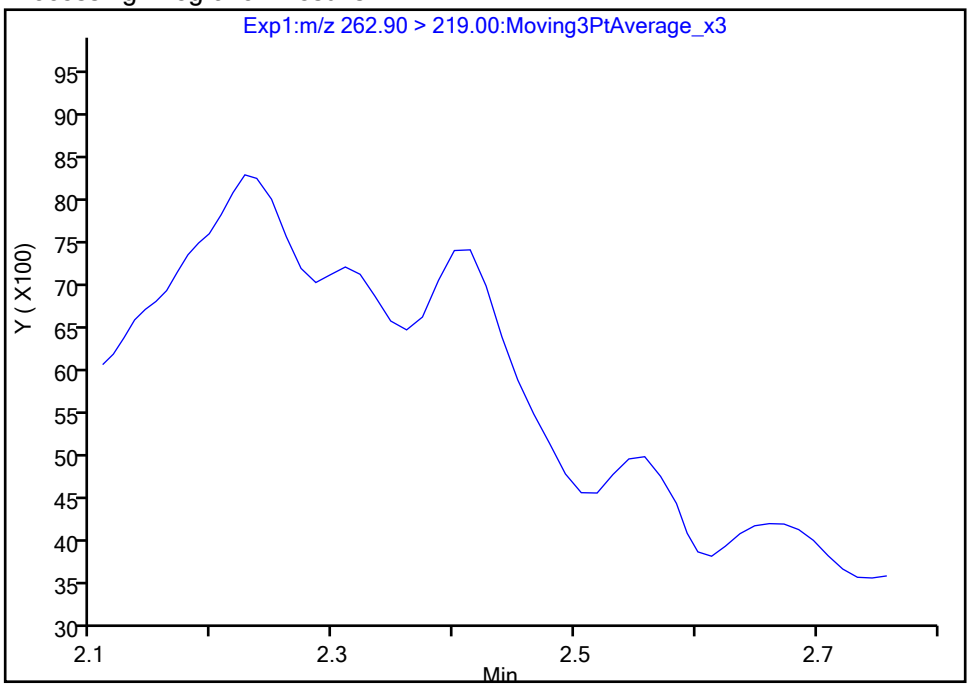
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B13.d				
Injection Date:	03-Mar-2021 20:37:36	Instrument ID:	LC812		
Lims ID:	480-181441-A-5-A	Lab Sample ID:	200-181441-5		
Client ID:	MW-3S-022321				
Operator ID:	lc812tech	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

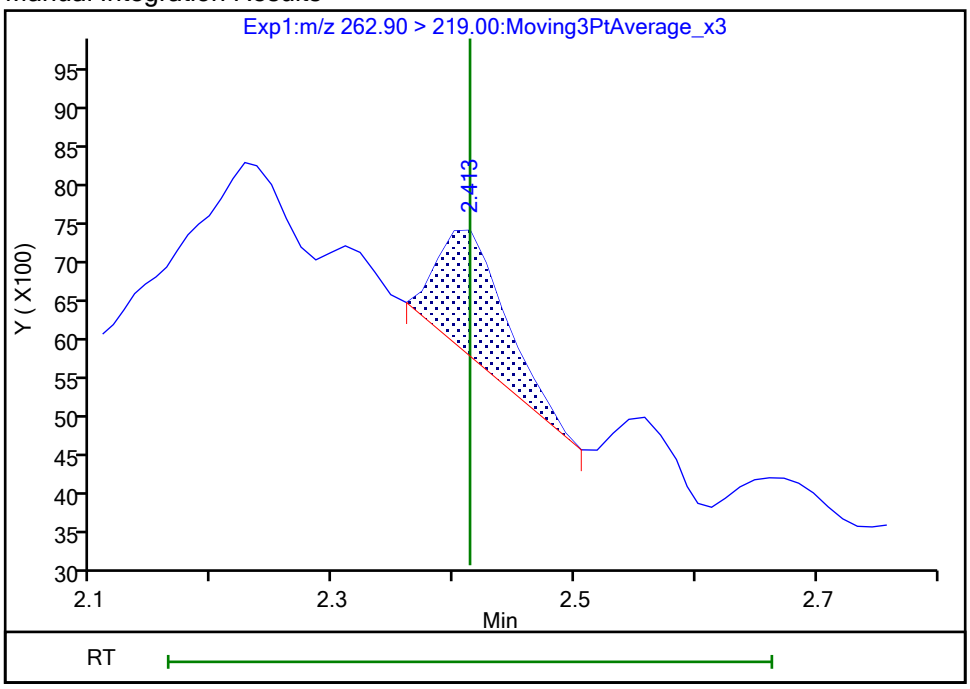
Not Detected
Expected RT: 2.41

Processing Integration Results



Manual Integration Results

RT: 2.41
Area: 6200
Amount: 0.005643
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:19:15
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

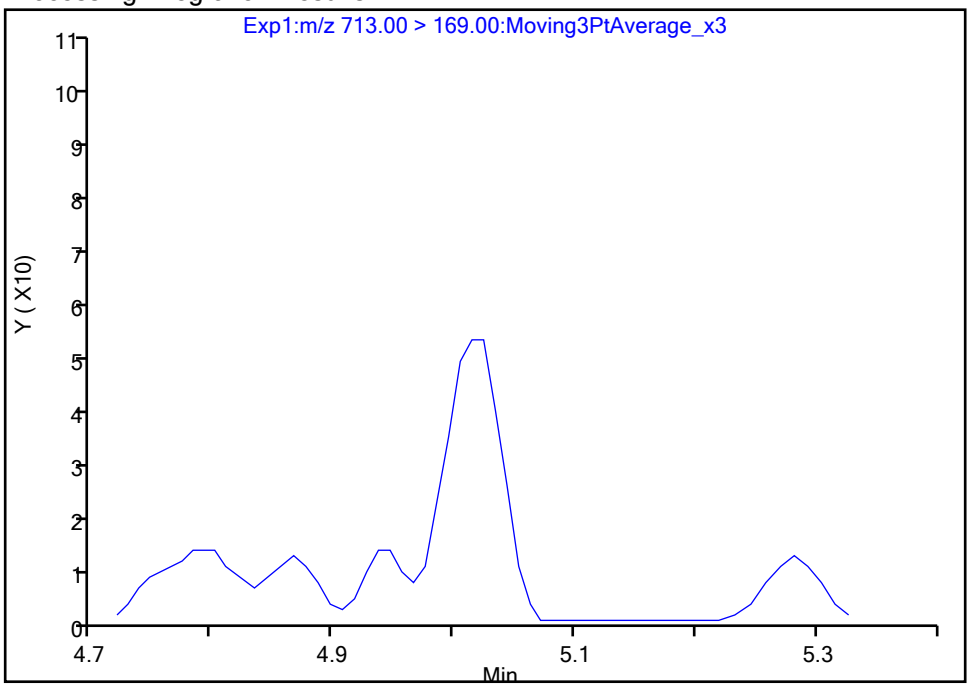
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B13.d				
Injection Date:	03-Mar-2021 20:37:36	Instrument ID:	LC812		
Lims ID:	480-181441-A-5-A	Lab Sample ID:	200-181441-5		
Client ID:	MW-3S-022321				
Operator ID:	lc812tech	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

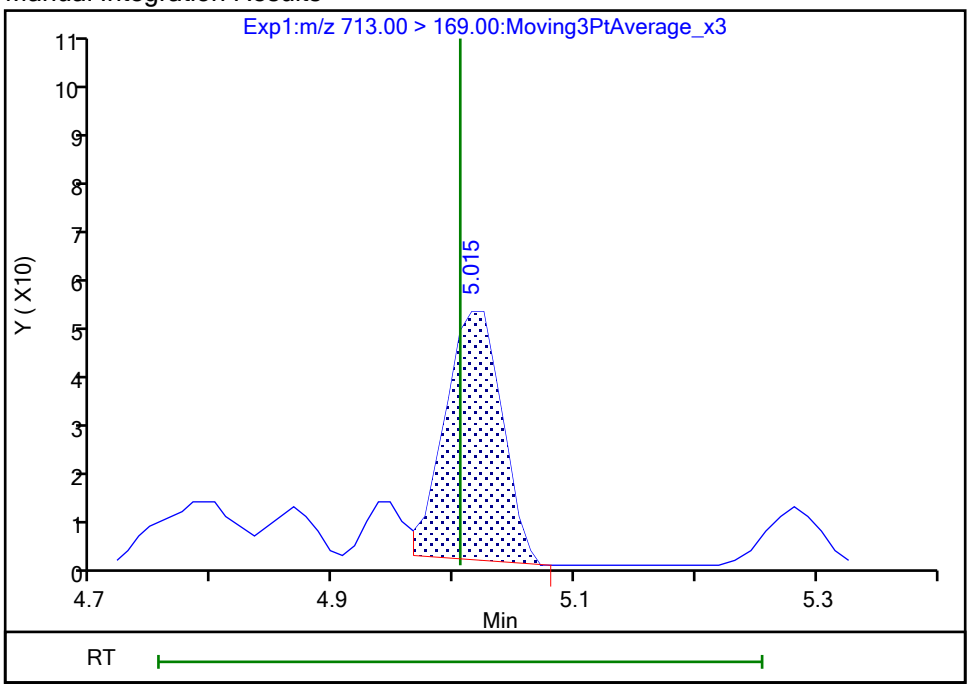
Not Detected
Expected RT: 5.00

Processing Integration Results



Manual Integration Results

RT: 5.01
Area: 166
Amount: 0.002244
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:22:22
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

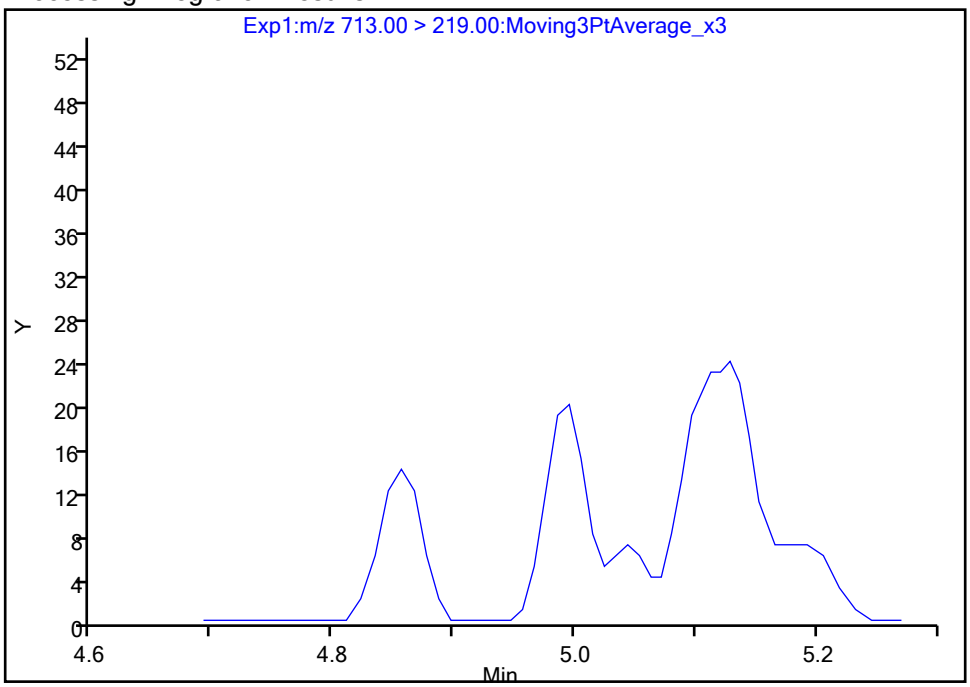
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B13.d				
Injection Date:	03-Mar-2021 20:37:36	Instrument ID:	LC812		
Lims ID:	480-181441-A-5-A	Lab Sample ID:	200-181441-5		
Client ID:	MW-3S-022321				
Operator ID:	lc812tech	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

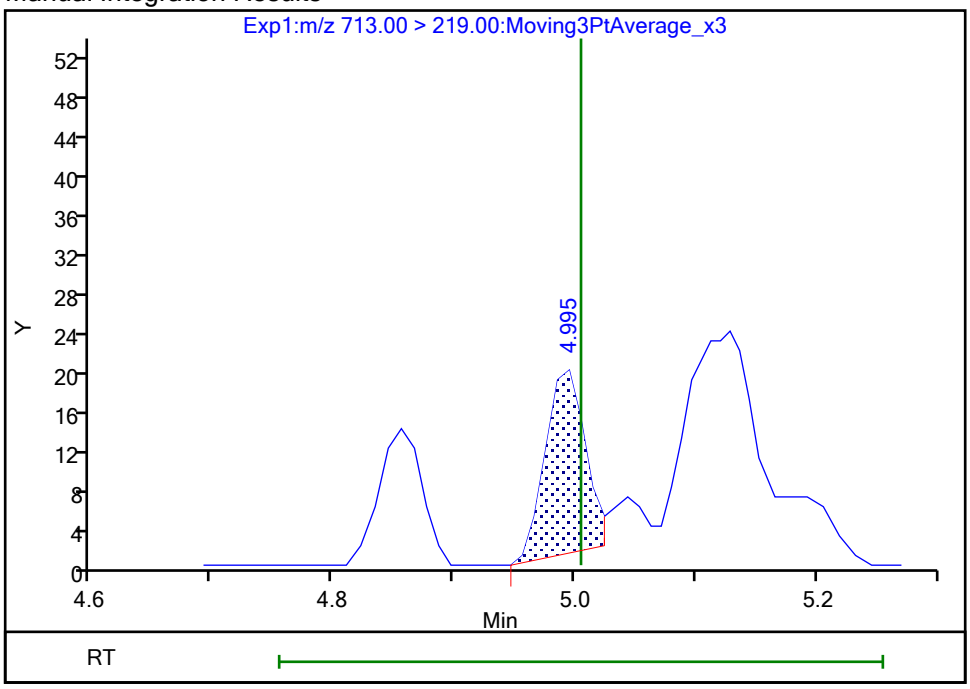
Not Detected
Expected RT: 5.00

Processing Integration Results



Manual Integration Results

RT: 5.00
Area: 43
Amount: 0.002244
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:22:23
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

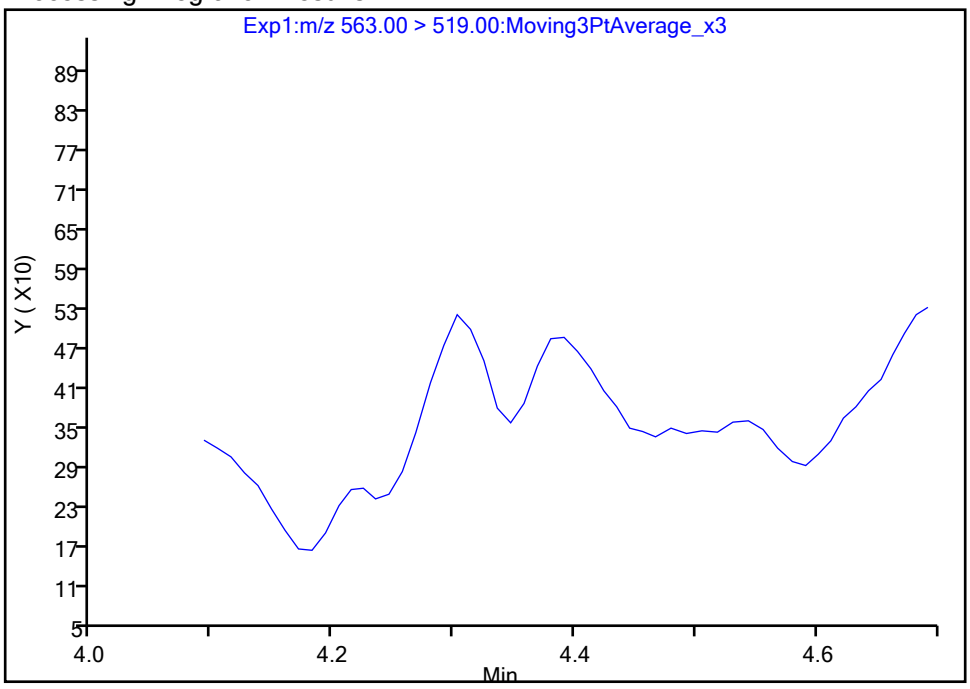
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B13.d				
Injection Date:	03-Mar-2021 20:37:36	Instrument ID:	LC812		
Lims ID:	480-181441-A-5-A	Lab Sample ID:	200-181441-5		
Client ID:	MW-3S-022321				
Operator ID:	lc812tech	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

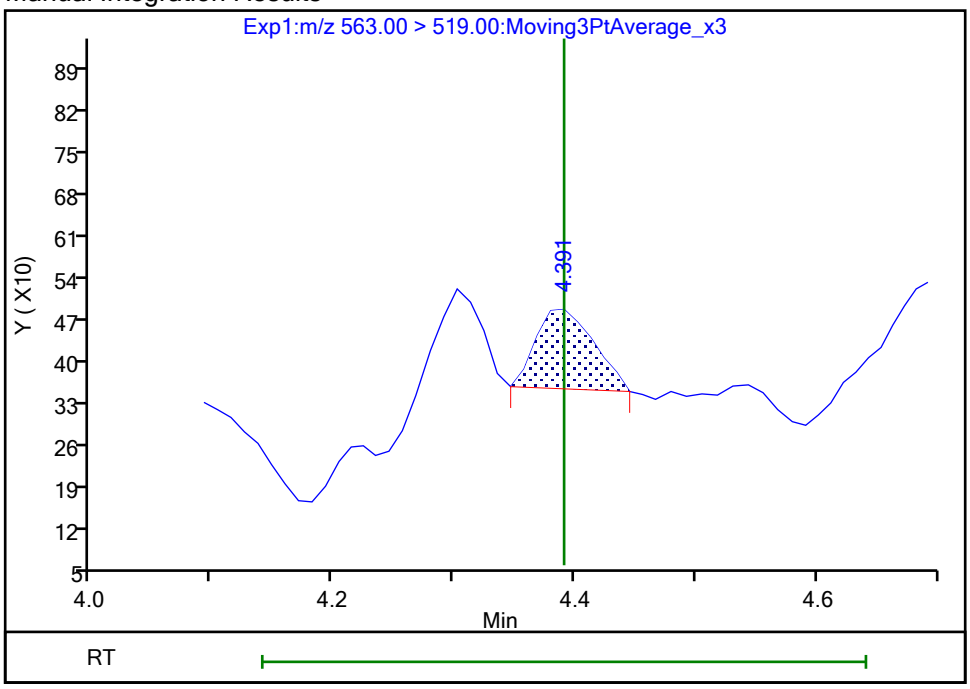
Not Detected
Expected RT: 4.39

Processing Integration Results



Manual Integration Results

RT: 4.39
Area: 435
Amount: 0.000842
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:21:54
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

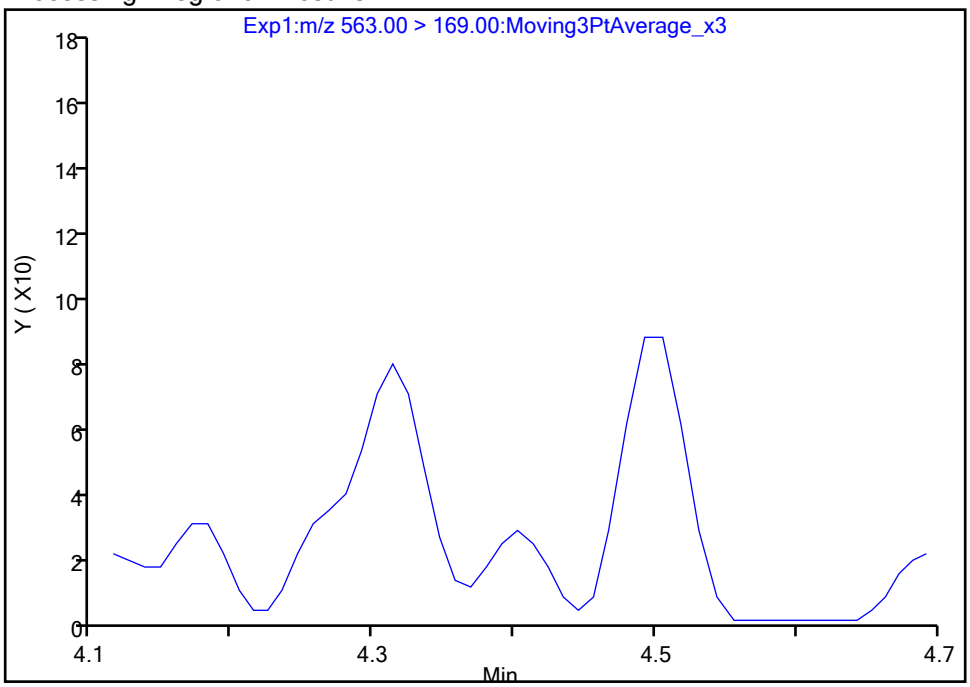
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B13.d				
Injection Date:	03-Mar-2021 20:37:36	Instrument ID:	LC812		
Lims ID:	480-181441-A-5-A	Lab Sample ID:	200-181441-5		
Client ID:	MW-3S-022321				
Operator ID:	lc812tech	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

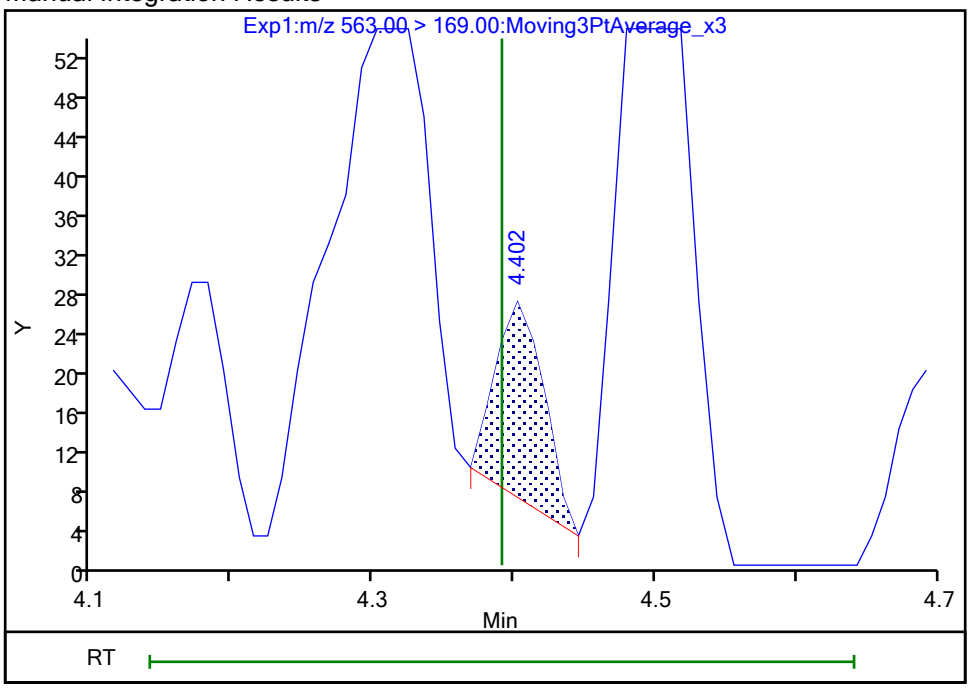
Not Detected
Expected RT: 4.39

Processing Integration Results



Manual Integration Results

RT: 4.40
Area: 48
Amount: 0.000842
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:21:57
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Client Sample ID: DUP-1-022321 Lab Sample ID: 480-181441-6

Matrix: Water Lab File ID: PA210303B15.d

Analysis Method: 537 (modified) Date Collected: 02/23/2021 14:00

Extraction Method: 3535 Date Extracted: 03/03/2021 08:24

Sample wt/vol: 286.6(mL) Date Analyzed: 03/03/2021 20:54

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 164492 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
39108-34-4	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.7	0.58
27619-97-2	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	2.5	J	4.4	0.63
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.4	0.81
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.4	0.69
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		1.7	0.55
375-22-4	Perfluorobutanoic acid (PFBA)	ND		4.4	0.99
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.42
335-76-2	Perfluorodecanoic acid (PFDA)	ND		1.7	0.40
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		1.7	0.40
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.7	0.34
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		1.7	0.40
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		1.7	0.58
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		1.7	0.72
375-95-1	Perfluorononanoic acid (PFNA)	ND		1.7	0.51
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND		1.7	0.50
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		1.7	0.76
335-67-1	Perfluorooctanoic acid (PFOA)	ND		1.7	0.85
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		1.7	0.94
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		1.7	0.51
72629-94-8	Perfluorotridecanoic acid (PFTriA)	ND		1.7	0.38
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.64

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Client Sample ID: DUP-1-022321 Lab Sample ID: 480-181441-6

Matrix: Water Lab File ID: PA210303B15.d

Analysis Method: 537 (modified) Date Collected: 02/23/2021 14:00

Extraction Method: 3535 Date Extracted: 03/03/2021 08:24

Sample wt/vol: 286.6(mL) Date Analyzed: 03/03/2021 20:54

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 164492 Units: ng/L

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00996	13C2 PFDA	86		50-150
STL00998	13C2 PFDoA	69		50-150
STL00993	13C2 PFHxA	109		50-150
STL02116	13C2 PFTeDA	78		50-150
STL00997	13C2 PFUnA	74		50-150
STL02337	13C3 PFBS	105		50-150
STL00992	13C4 PFBA	95		25-150
STL01892	13C4 PFHpA	108		50-150
STL00990	13C4 PFOA	104		50-150
STL00991	13C4 PFOS	97		50-150
STL00995	13C5 PFNA	100		50-150
STL01893	13C5 PFPeA	107		25-150
STL01056	13C8 FOSA	90		25-150
STL00994	18O2 PFHxS	104		50-150
STL02118	d3-NMeFOSAA	72		50-150
STL02117	d5-NEtFOSAA	73		50-150
STL02279	M2-6:2 FTS	98		25-150
STL02280	M2-8:2 FTS	88		25-150

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B15.d
Lims ID: 480-181441-A-6-A
Client ID: DUP-1-022321
Sample Type: Client
Inject. Date: 03-Mar-2021 20:54:12 ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: 480-181441-A-6-A
Misc. Info.: 200-0045034-015 Plate: 1 Rack: 2
Operator ID: lc812tech Instrument ID: LC812

Method: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 04-Mar-2021 11:31:15 Calib Date: 22-Dec-2020 13:29:37
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1647

First Level Reviewer: khanphomeea Date: 04-Mar-2021 15:27:12
Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.082	2.091	-0.009	0.596	1286480	1.18		94.6	9006	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.082	2.091	-0.009	1.000	13182	0.0128			2.5	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.400	2.413	-0.013	0.687	1047281	1.33		107	3480	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.400	2.413	-0.013	1.000	12148	0.0131			0.5	M
D 47 13C3 PFBS										M
301.90 > 80.00	2.426	2.439	-0.013	0.695	1258524	1.22		105	155761	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.426	2.439	-0.013	1.000	2127	0.001737	Target=2.21		1.1	M
298.90 > 99.00	2.426	2.439	-0.013	1.000	1016		2.09(1.11-3.32)		1.0	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.770	2.770	0.0	0.793	1119396	1.36		109	4720	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.770	2.770	0.0	1.000	6915	0.007068	Target=12.83		1.4	M
313.00 > 119.00	2.770	2.770	0.0	1.000	488		14.17(6.42-19.25)		1.2	M
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.132	3.132	0.0	1.000	5368	0.005711	Target=4.15		12.3	M
399.00 > 99.00	3.132	3.132	0.0	1.000	1495		3.59(2.08-6.23)		2.0	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.132	3.132	0.0	0.897	943145	1.22		104	1966	
D 9 13C4 PFHpA										
367.00 > 322.00	3.132	3.143	-0.011	0.897	1069518	1.36		108	4528	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.132	3.143	-0.011	1.000	3825	0.004093	Target=3.66		1.2	M
363.00 > 169.00	3.143	3.143	0.0	1.003	1208		3.17(1.83-5.49)		2.9	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.483	3.483	0.0	0.913	1065	0.001537	Target=5.95		4.4	M
449.00 > 99.00	3.483	3.483	0.0	0.913	266		4.00(2.98-8.93)		1.6	M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.483	3.483	0.0	0.997	111779	1.16		97.9	320	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.483	3.483	0.0	1.000	7650	0.0731			83.3	M
D 14 13C4 PFOA										
417.00 > 372.00	3.492	3.492	0.0	1.000	1038933	1.30		104	3219	
* 62 13C2 PFOA										
415.00 > 370.00	3.492	3.492	0.0		1012480	1.25			4154	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.492	3.492	0.0	1.000	6660	0.007392	Target=2.58		1.9	M
413.00 > 169.00	3.501	3.492	0.009	1.003	2082		3.20(1.29-3.87)		6.5	M
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.814	3.804	0.010	1.000	8844	0.0150	Target=5.65		4.2	M
499.00 > 99.00	3.814	3.804	0.010	1.000	1270		6.96(2.82-8.47)		3.7	M
D 18 13C4 PFOS										
503.00 > 80.00	3.814	3.804	0.010	1.092	613408	1.16		97.1	1792	
D 19 13C5 PFNA										
468.00 > 423.00	3.824	3.825	-0.001	1.095	882400	1.25		99.8	3471	
20 Perfluorononanoic acid										M
463.00 > 419.00	3.836	3.825	0.011	1.003	2389	0.003057	Target=7.44		0.6	M
463.00 > 169.00	3.824	3.825	-0.001	1.000	476		5.02(3.72-11.16)		5.9	M
D 23 13C2 PFDA										
515.00 > 470.00	4.126	4.126	0.0	1.182	726371	1.07		86.0	3260	
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.126	4.126	0.0	1.000	1496	0.002498	Target=9.29		1.6	M
513.00 > 169.00	4.137	4.126	0.011	1.003	278		5.38(4.64-13.93)		2.3	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.137	4.137	0.0	1.185	104400	1.05		87.9	557	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.137	4.137	0.0	1.000	131	0.002209			5.0	M
D 21 13C8 FOSA										
506.00 > 78.00	4.214	4.225	-0.011	1.207	1119971	1.13		90.2	3007	
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.225	4.225	-0.001	1.002	3015	0.003358			32.4	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.268	4.268	0.0	1.222	43933	0.8960		71.7	429	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.291	4.268	0.023	1.005	43	0.001380			0.5	M
29 Perfluorodecanesulfonic acid										RM
599.00 > 80.00	4.369	4.358	0.011	1.145	616	0.001754	Target=2.80		5.1	RM
599.00 > 99.00	4.369	4.358	0.011	1.145	461		1.34(1.40-4.19)		2.3	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.391	4.391	0.0	1.257	514171	0.9259		74.1	3150	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
31 Perfluoroundecanoic acid										RM
563.00 > 519.00	4.391	4.391	0.0	1.000	2344	0.005588	Target=8.12		2.0	RM
563.00 > 169.00	4.391	4.391	0.0	1.000	94		24.94(4.06-12.18)		2.1	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.402	4.402	0.0	1.261	43372	0.9150		73.2	463	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.413	4.402	0.011	1.003	640	0.0199			10.6	M
D 36 13C2 PFDoA										
615.00 > 570.00	4.612	4.612	0.0	1.321	508583	0.8675		69.4	3429	
37 Perfluorododecanoic acid										RM
613.00 > 569.00	4.622	4.612	0.010	1.002	504	0.001126	Target=6.91		0.4	RM
613.00 > 169.00	4.622	4.612	0.010	1.002	250		2.02(3.45-10.36)		6.7	M
D 43 13C2 PFTeDA										
715.00 > 670.00	5.014	5.005	0.009	1.436	420518	0.9699		77.6	3413	
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.014	5.005	0.009	1.000	274	0.004392	Target=1.06		9.7	M
713.00 > 219.00	5.005	5.005	0.0	0.998	317		0.86(0.53-1.59)		16.1	M

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Report Date: 04-Mar-2021 11:31:17 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B15.d

Injection Date: 03-Mar-2021 20:54:12 Instrument ID: LC812

Lims ID: 480-181441-A-6-A Lab Sample ID: 200-181441-6

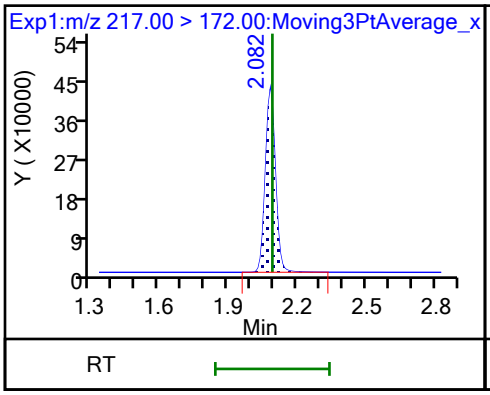
Client ID: DUP-1-022321

Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 15

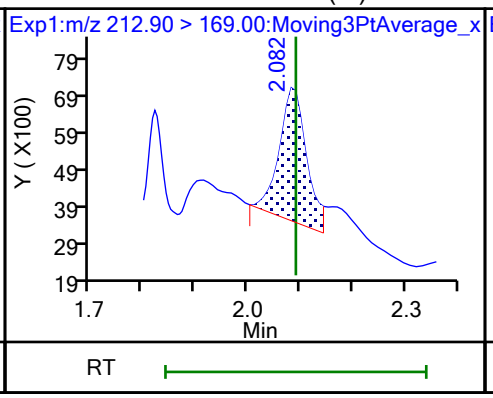
Injection Vol: 20.0 ul Dil. Factor: 1.0000

Method: PFC_LC812 Limit Group: LC_PFC_ICAL

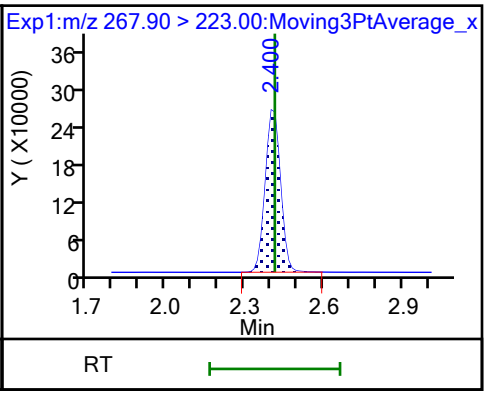
D 1 13C4 PFBA



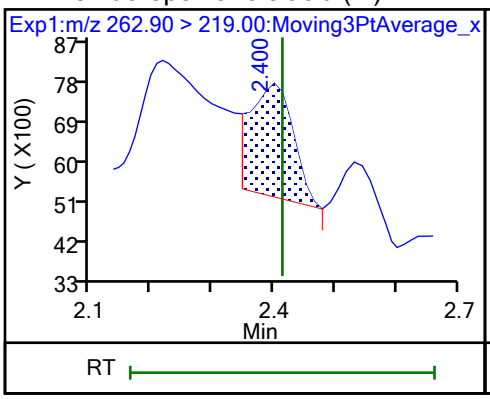
2 Perfluorobutanoic acid (M)



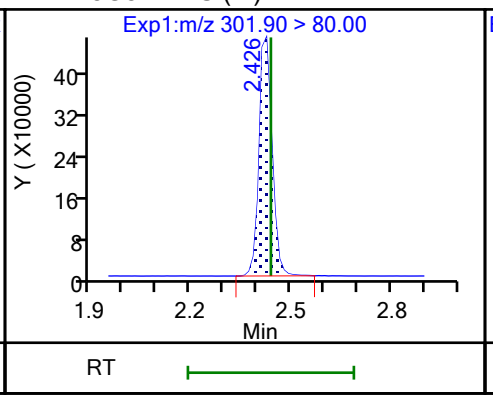
D 3 13C5 PFPeA



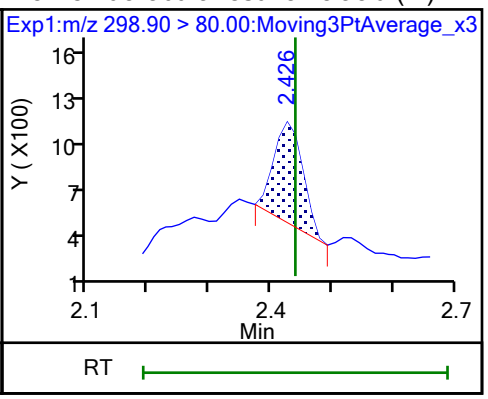
4 Perfluoropentanoic acid (M)



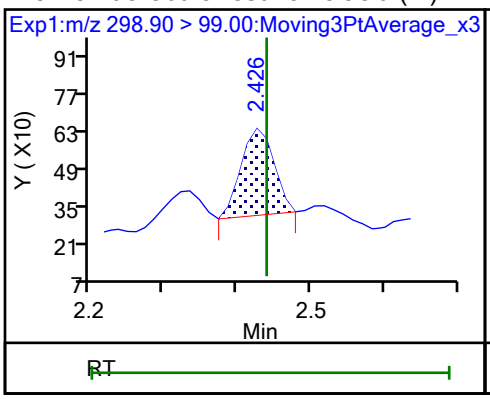
D 47 13C3 PFBS (M)



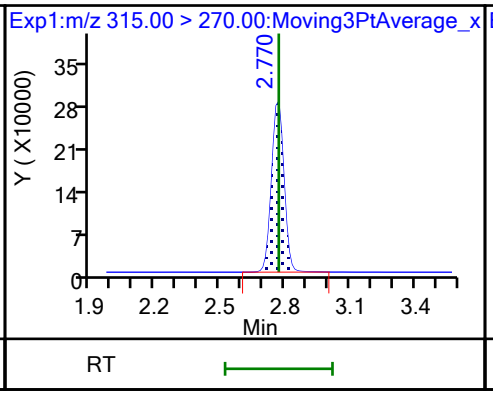
5 Perfluorobutanesulfonic acid (M)



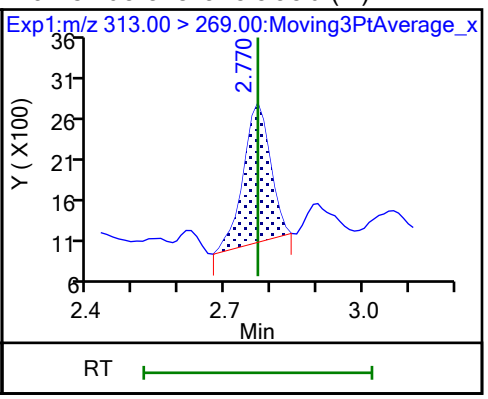
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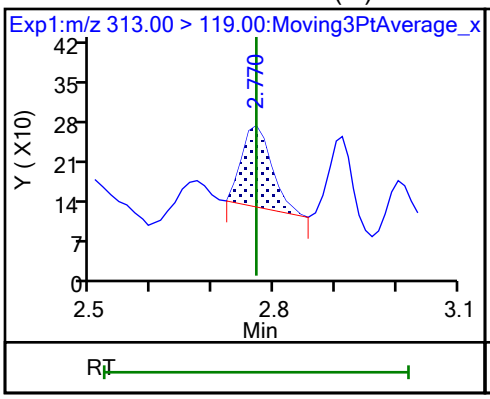
D 7 13C2 PFHxA



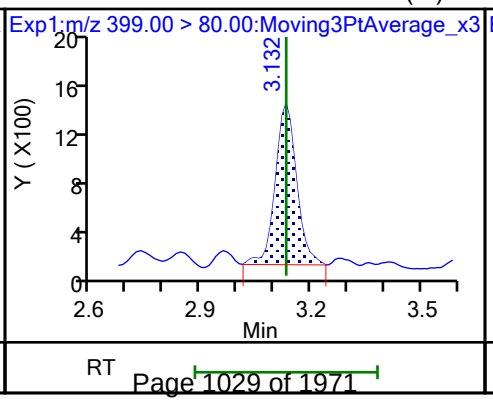
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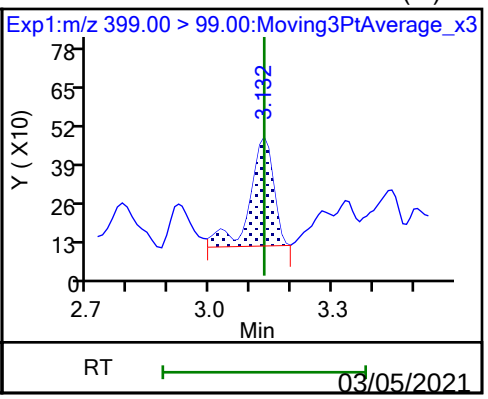
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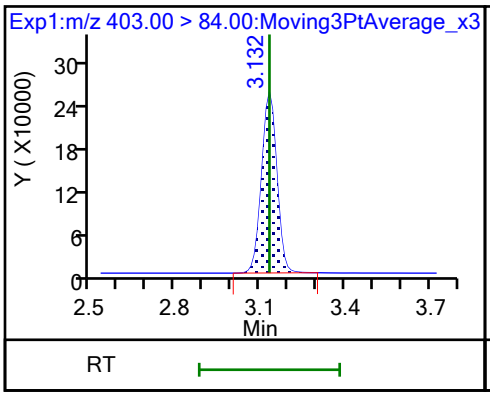
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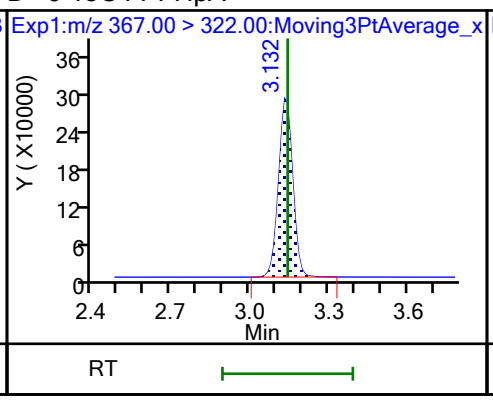
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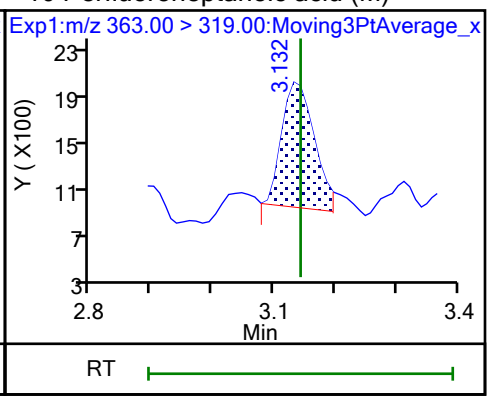
D 11 18O2 PFHxS



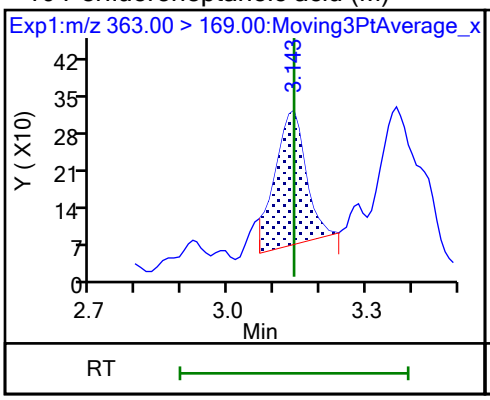
D 9 13C4 PFHpA



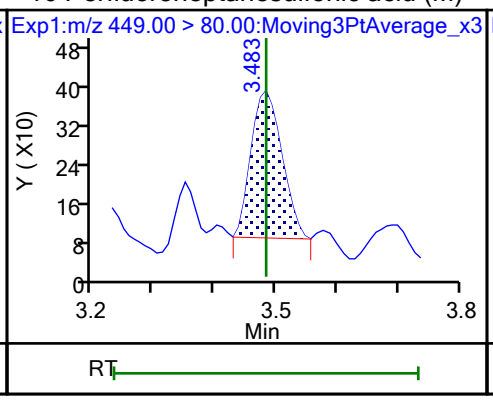
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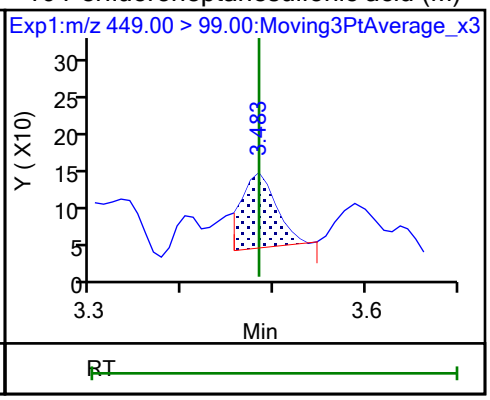
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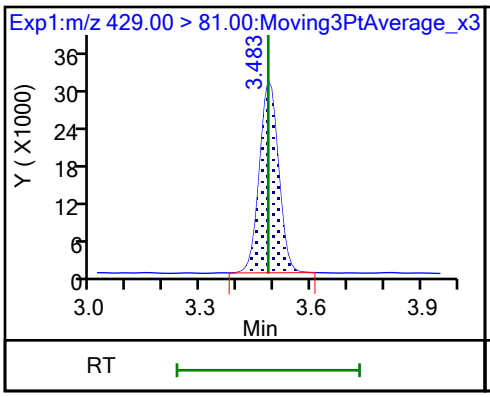
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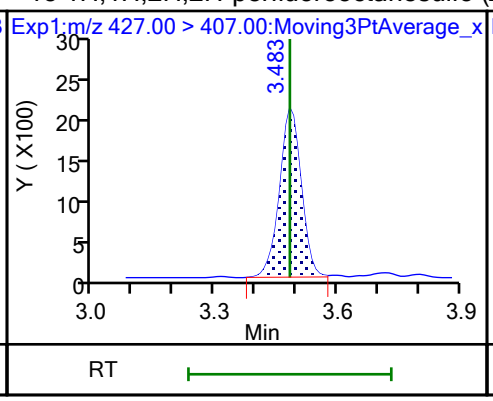
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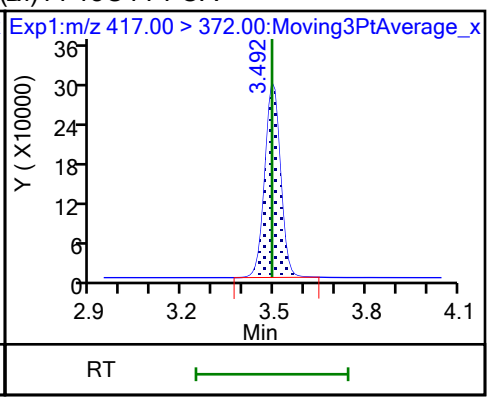
D 12 M2-6:2 FTS



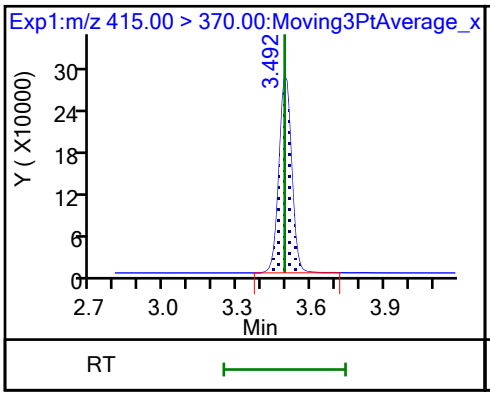
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



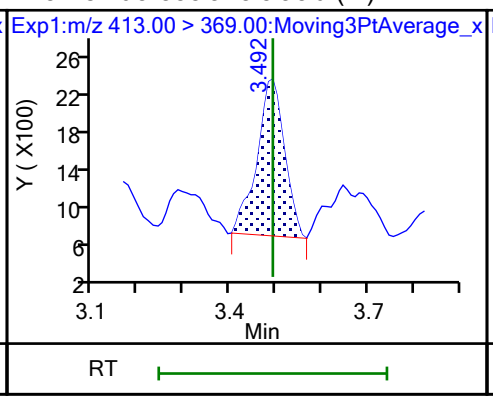
14 13C4 PFOA



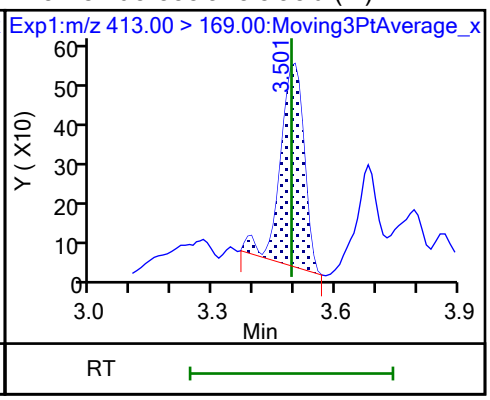
* 62 13C2 PFOA



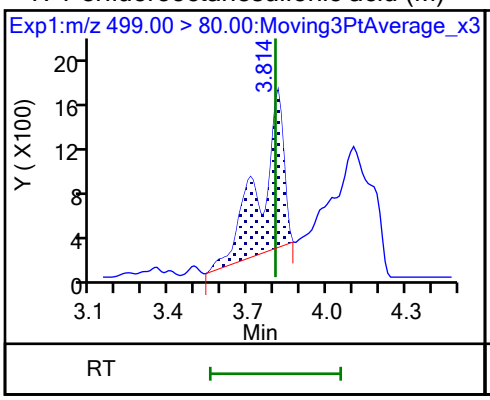
15 Perfluorooctanoic acid (M)



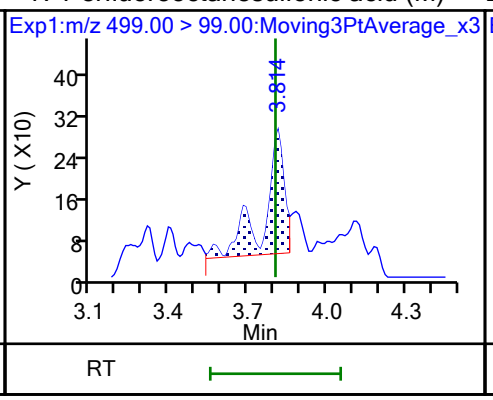
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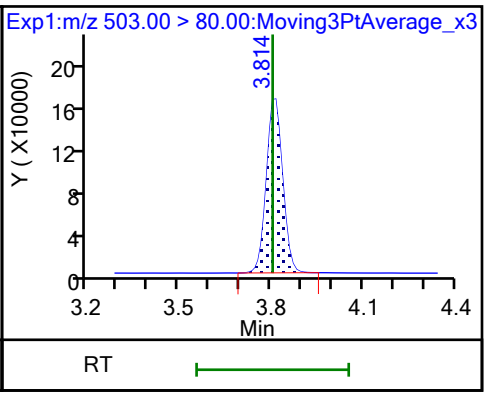
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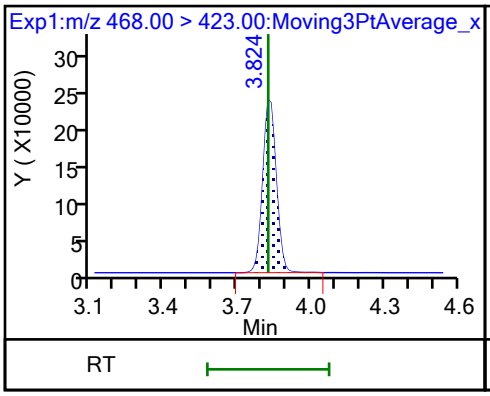
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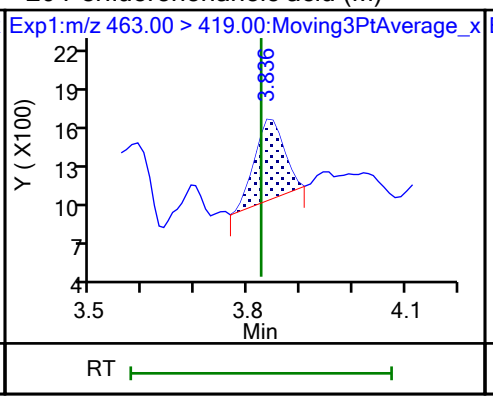
D 18 13C4 PFOS



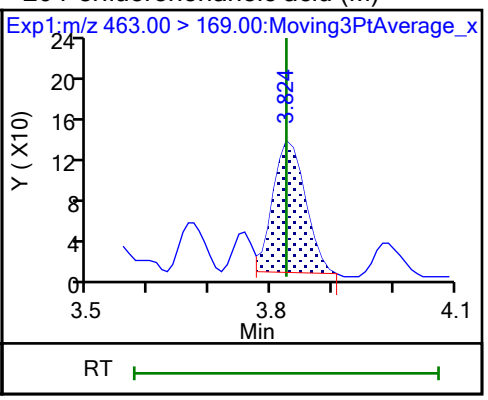
D 19 13C5 PFNA



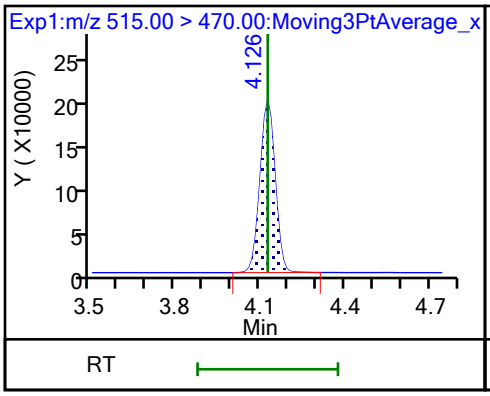
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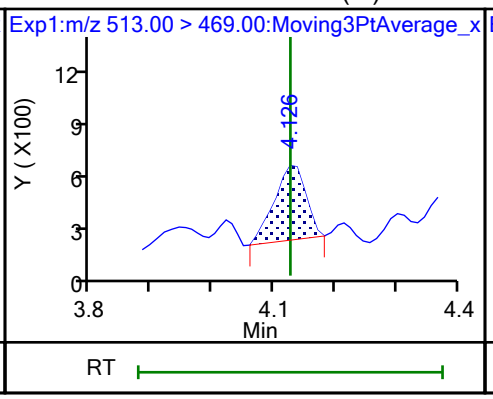
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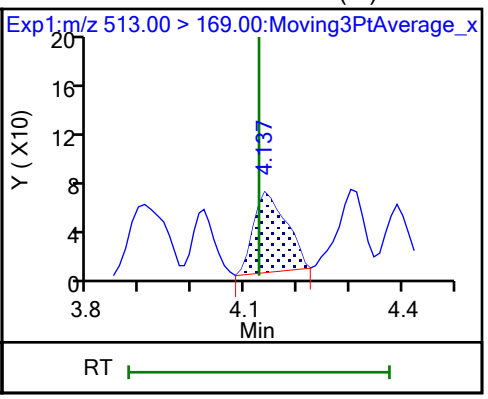
D 23 13C2 PFDA



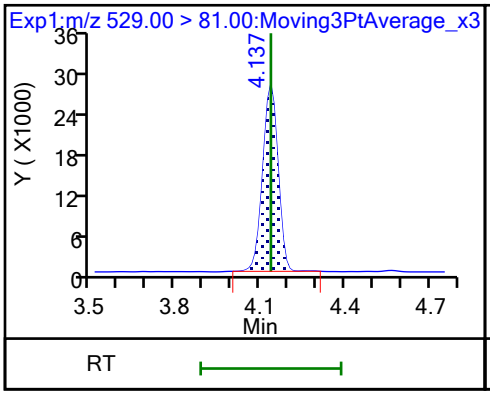
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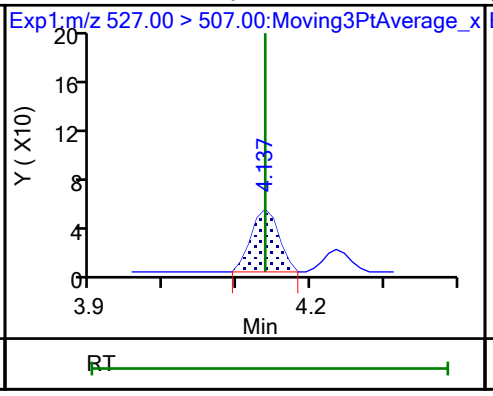
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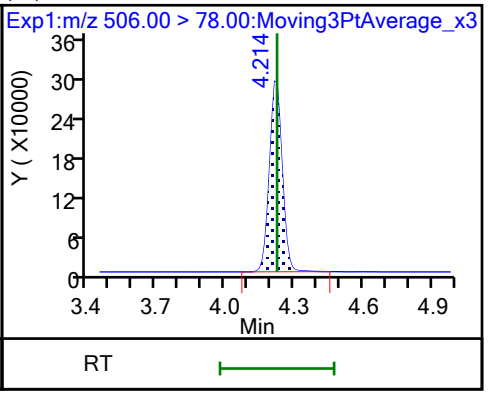
D 26 M2-8:2 FTS



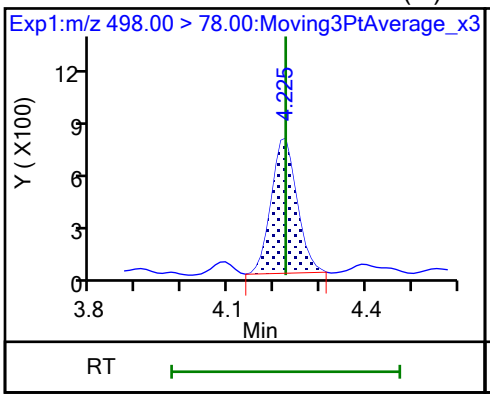
25 1H,1H,2H,2H-perfluorodecanesulfo



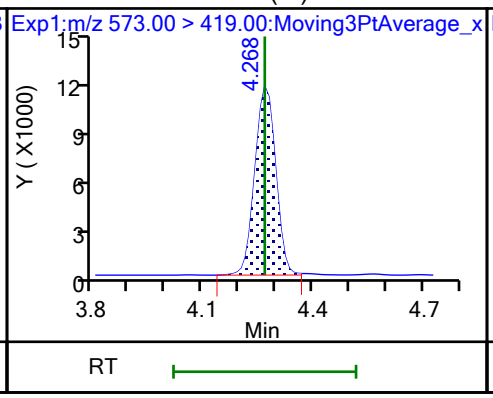
D 21 13C8 FOSA



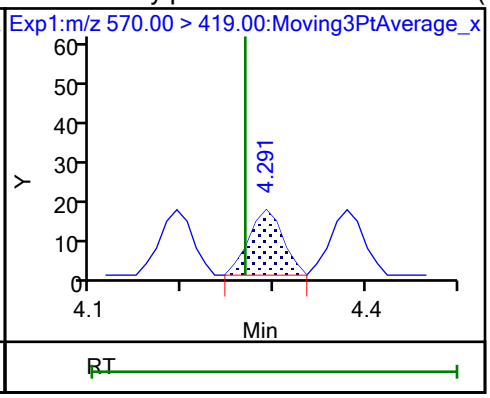
22 Perfluorooctanesulfonamide (M)



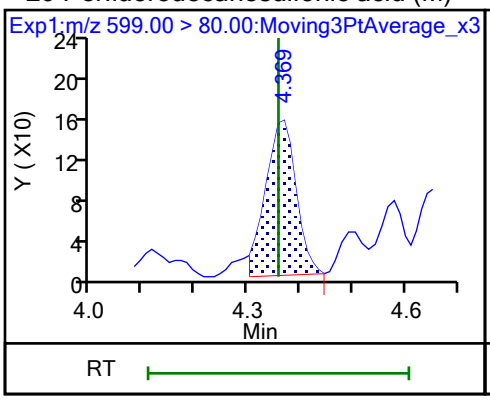
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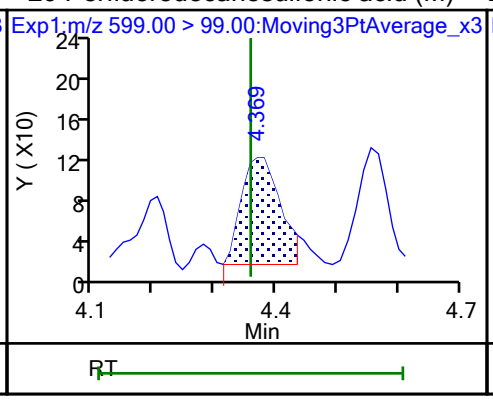
28 N-methylperfluorooctanesulfonami (M)



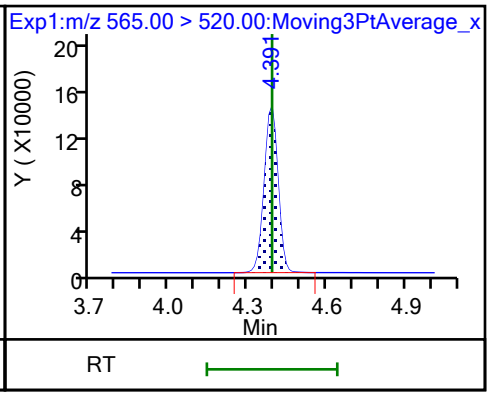
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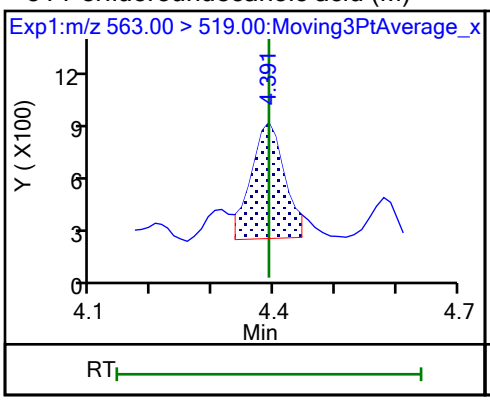
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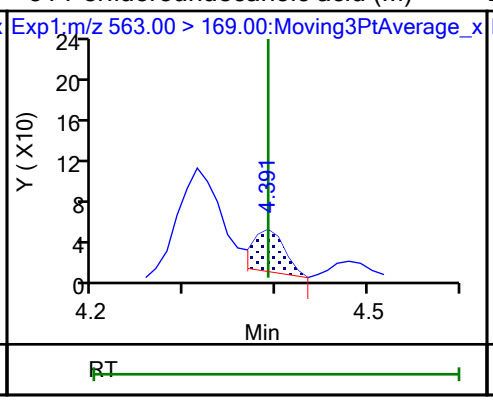
D 30 13C2 PFUnA



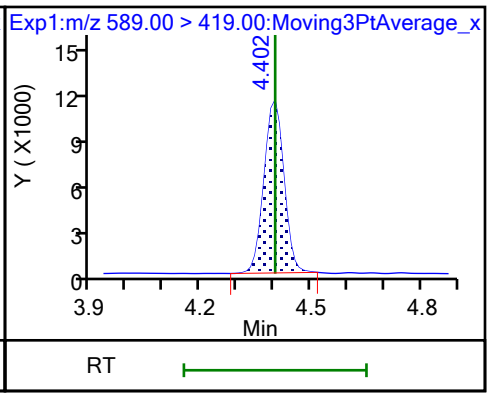
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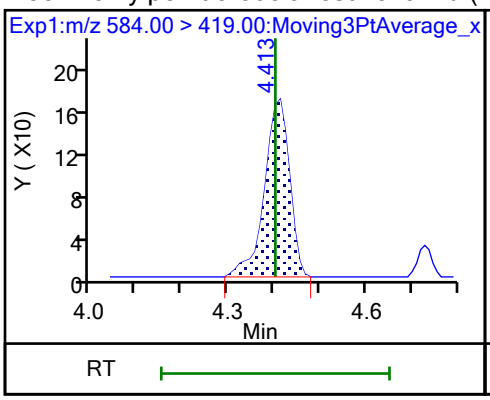
31 Perfluoroundecanoic acid (M)



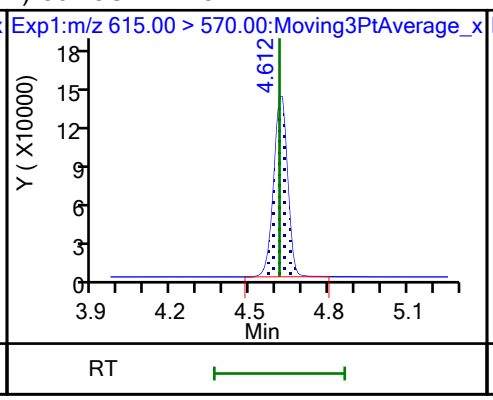
D 32 d5-NEtFOSAA



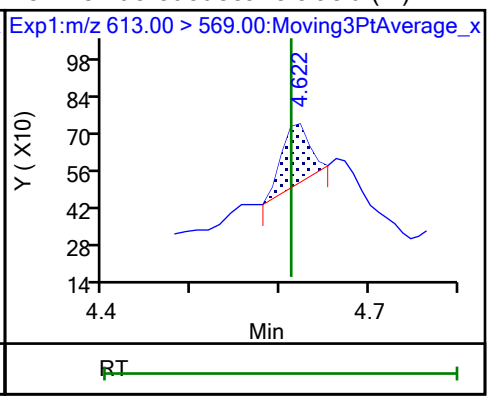
33 N-ethylperfluorooctanesulfonamid (M)



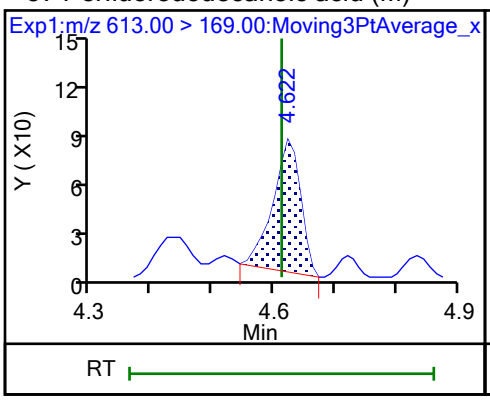
D 36 13C2 PFDoA



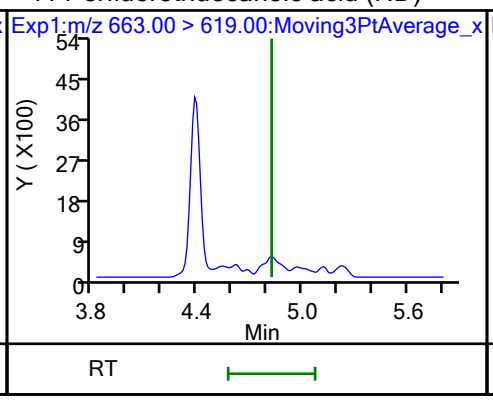
37 Perfluorododecanoic acid (M)



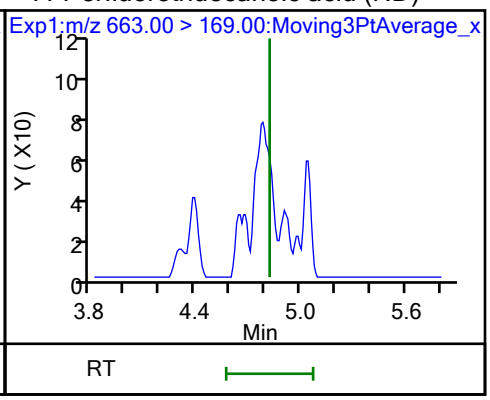
37 Perfluorododecanoic acid (M)



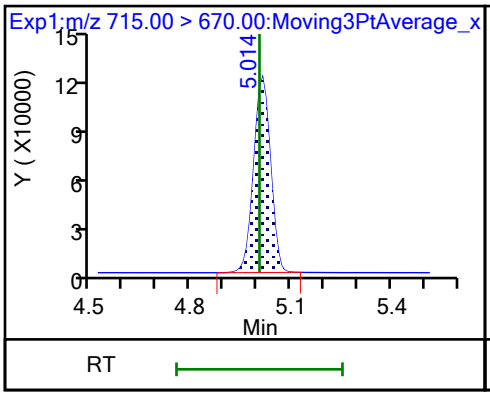
41 Perfluorotridecanoic acid (ND)



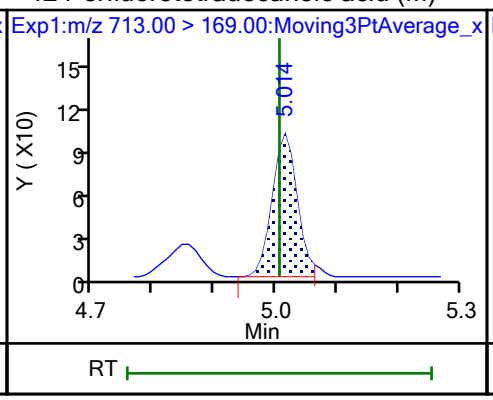
41 Perfluorotridecanoic acid (ND)



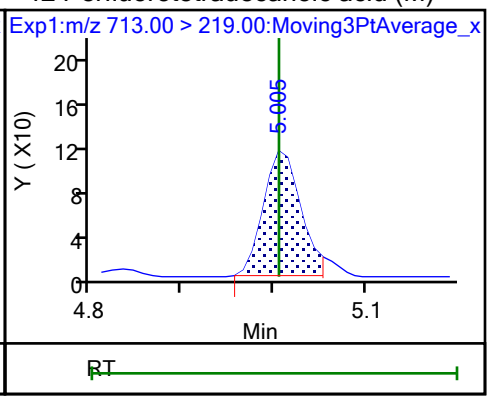
D 43 13C2 PFTeDA



42 Perfluorotetradecanoic acid (M)



42 Perfluorotetradecanoic acid (M)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

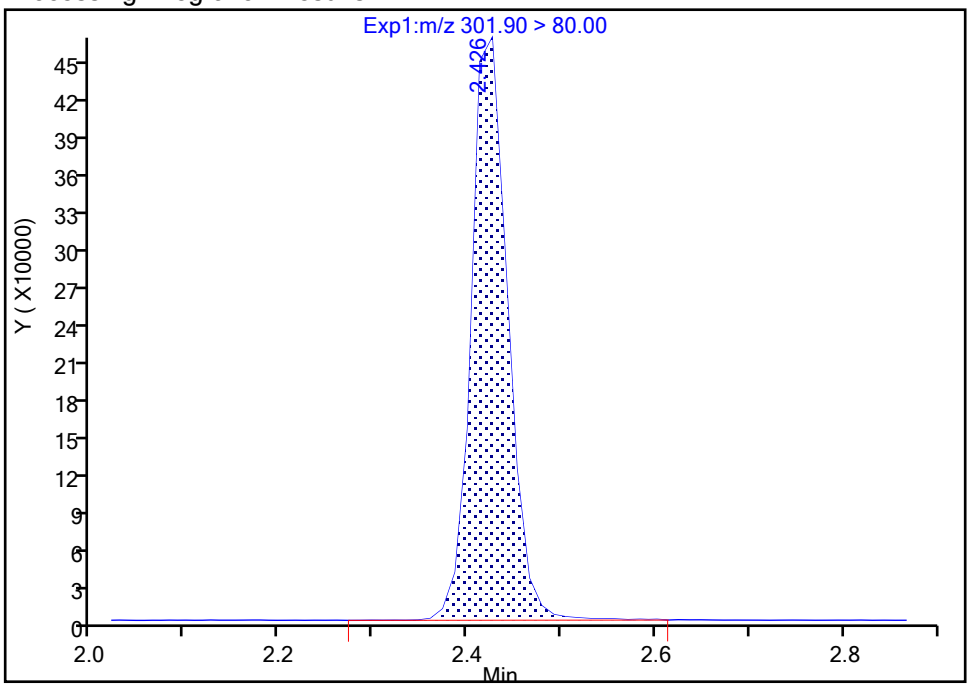
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Injection Date:	03-Mar-2021 20:54:12	Instrument ID:	LC812		
Lims ID:	480-181441-A-6-A	Lab Sample ID:	200-181441-6		
Client ID:	DUP-1-022321				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

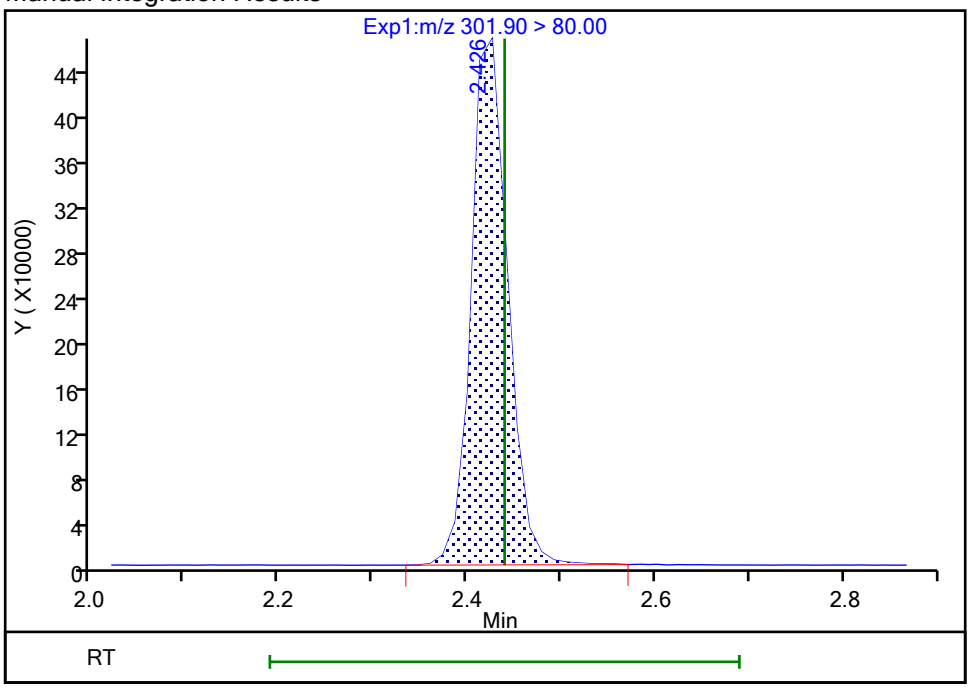
Processing Integration Results

RT: 2.43
Area: 1262503
Amount: 1.219834
Amount Units: ng/ml



Manual Integration Results

RT: 2.43
Area: 1258524
Amount: 1.215989
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:22:50

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

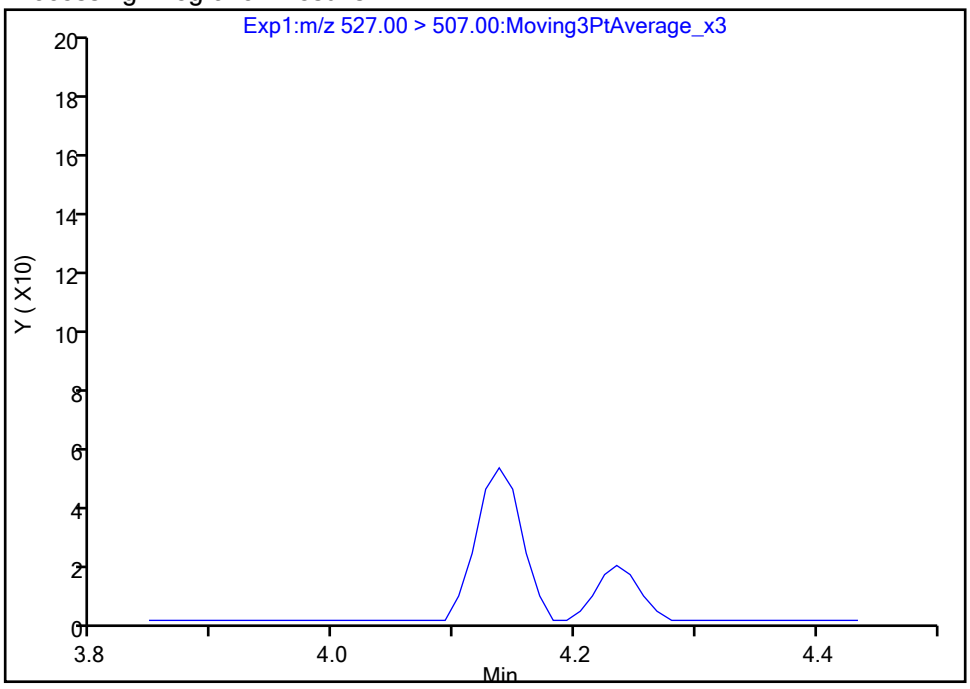
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B15.d				
Injection Date:	03-Mar-2021 20:54:12	Instrument ID:	LC812		
Lims ID:	480-181441-A-6-A	Lab Sample ID:	200-181441-6		
Client ID:	DUP-1-022321				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

25 1H,1H,2H,2H-perfluorodecanesulfo, CAS: 39108-34-4

Signal: 1

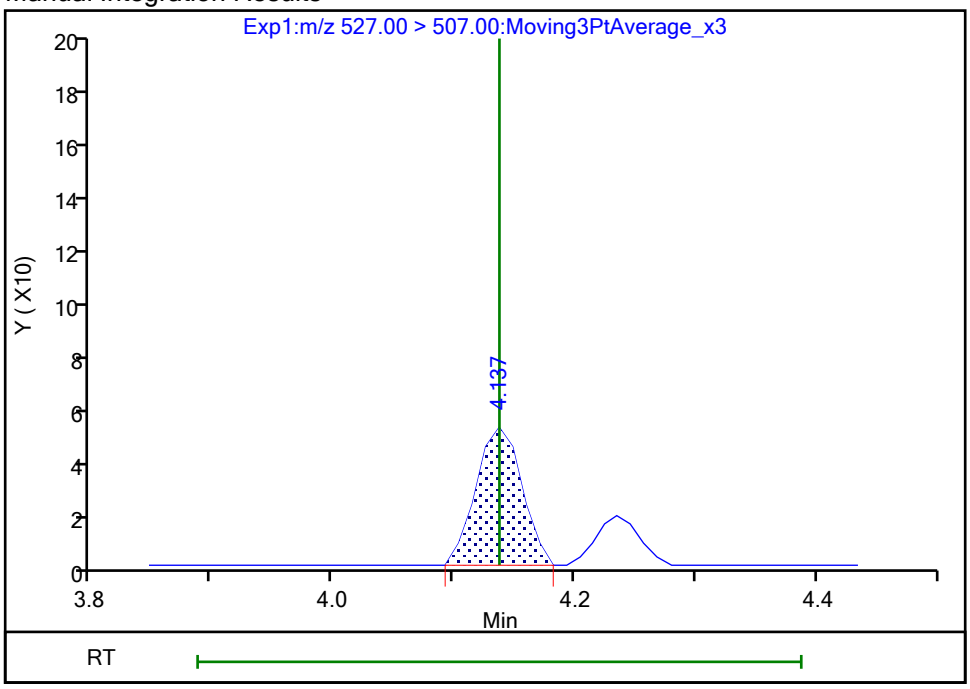
Not Detected
Expected RT: 4.14

Processing Integration Results



Manual Integration Results

RT: 4.14
Area: 131
Amount: 0.002209
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:26:00
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

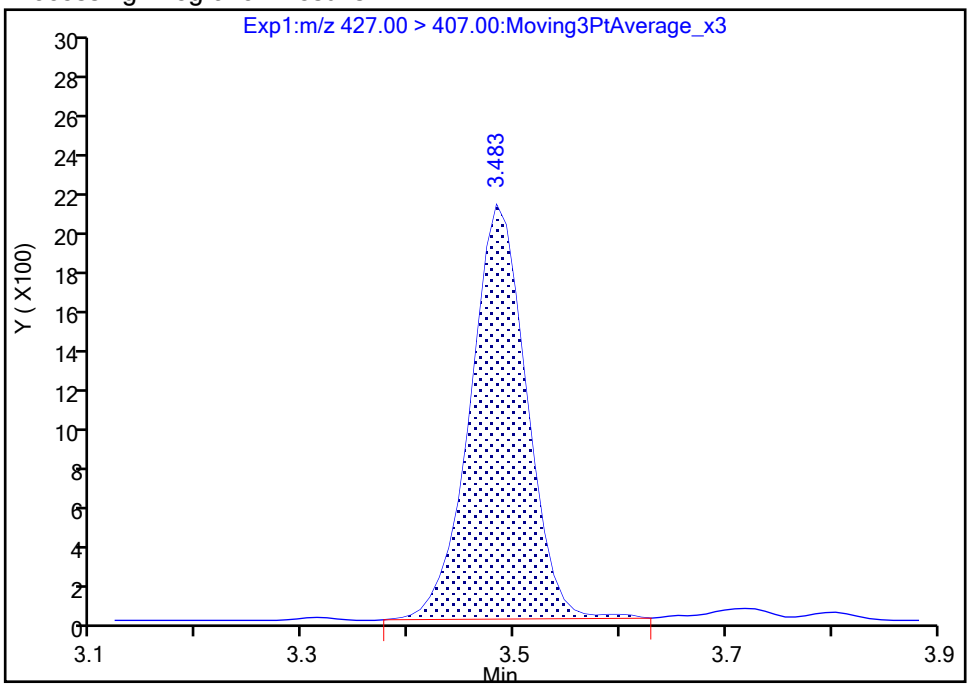
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B15.d				
Injection Date:	03-Mar-2021 20:54:12	Instrument ID:	LC812		
Lims ID:	480-181441-A-6-A	Lab Sample ID:	200-181441-6		
Client ID:	DUP-1-022321				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

Signal: 1

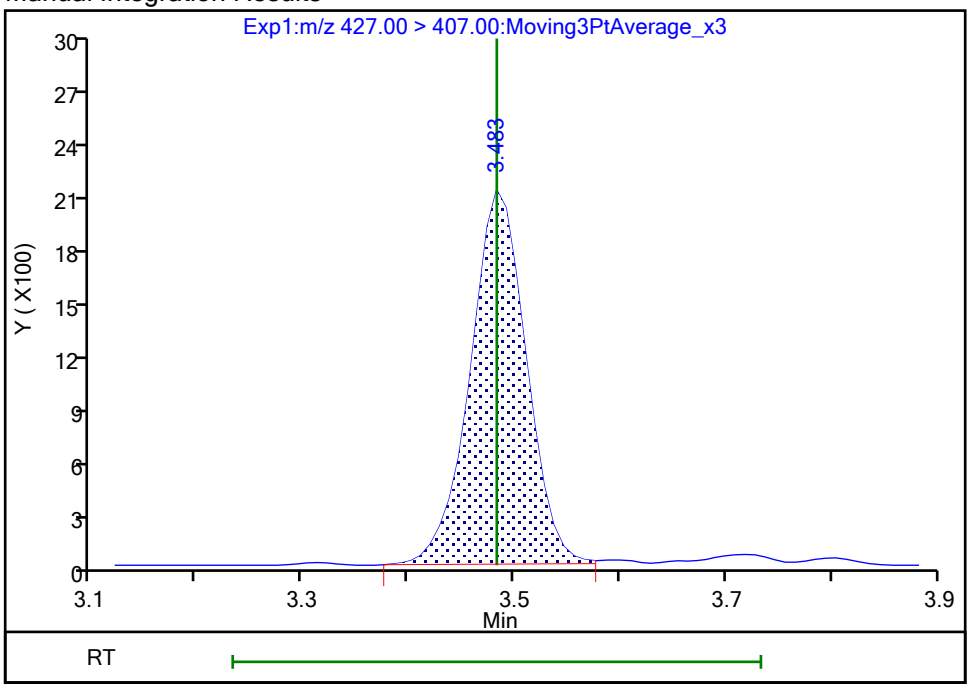
Processing Integration Results

RT: 3.48
Area: 7690
Amount: 0.073445
Amount Units: ng/ml



Manual Integration Results

RT: 3.48
Area: 7650
Amount: 0.073063
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:24:48

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

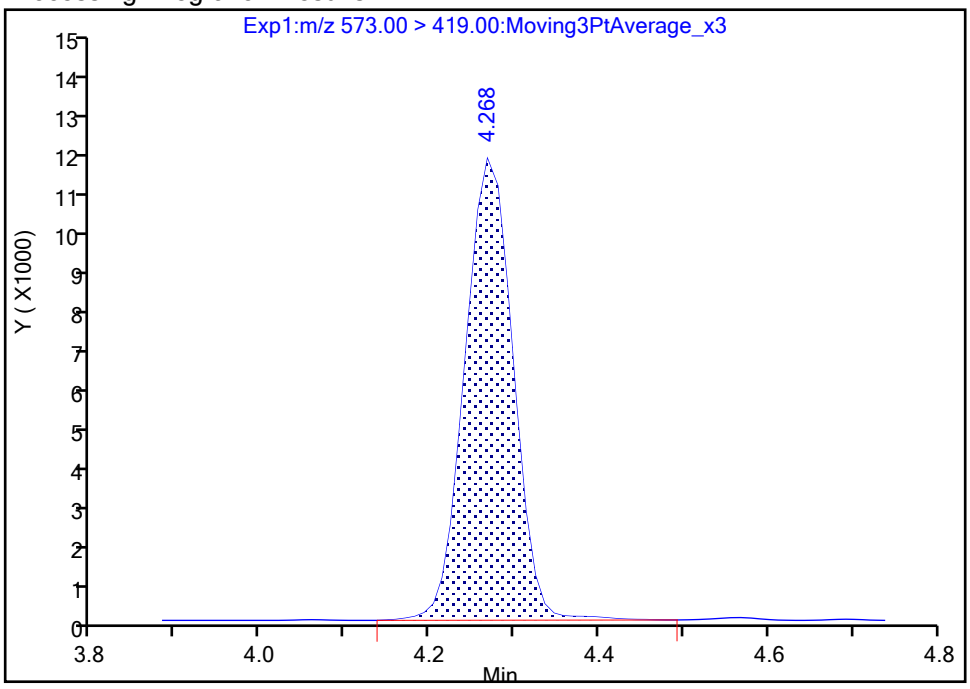
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B15.d				
Injection Date:	03-Mar-2021 20:54:12	Instrument ID:	LC812		
Lims ID:	480-181441-A-6-A	Lab Sample ID:	200-181441-6		
Client ID:	DUP-1-022321				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

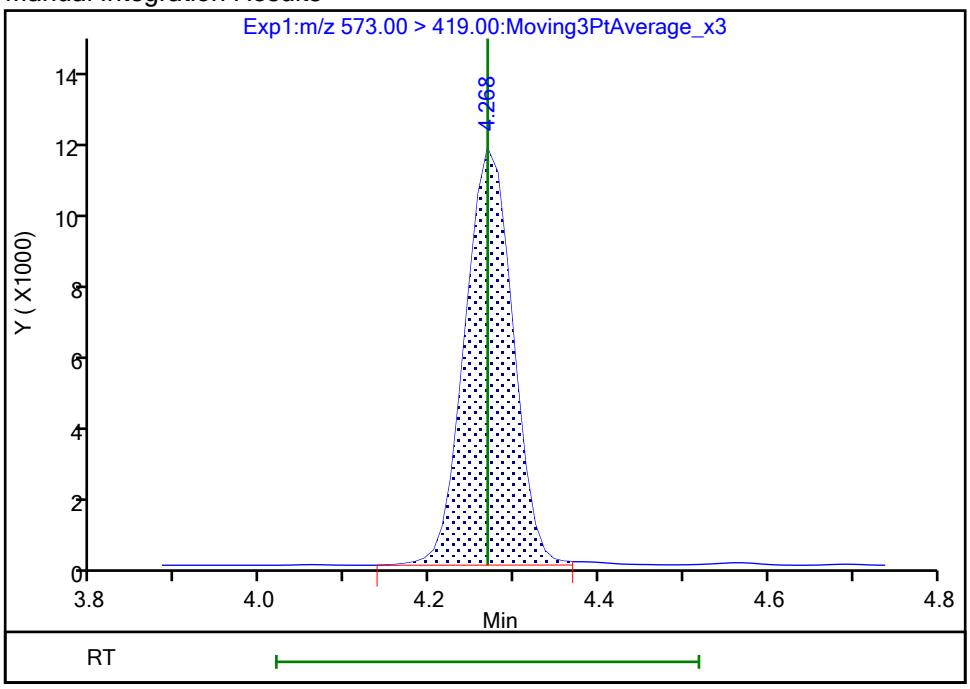
Processing Integration Results

RT: 4.27
Area: 44189
Amount: 0.901181
Amount Units: ng/ml



Manual Integration Results

RT: 4.27
Area: 43933
Amount: 0.895960
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:22:54

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

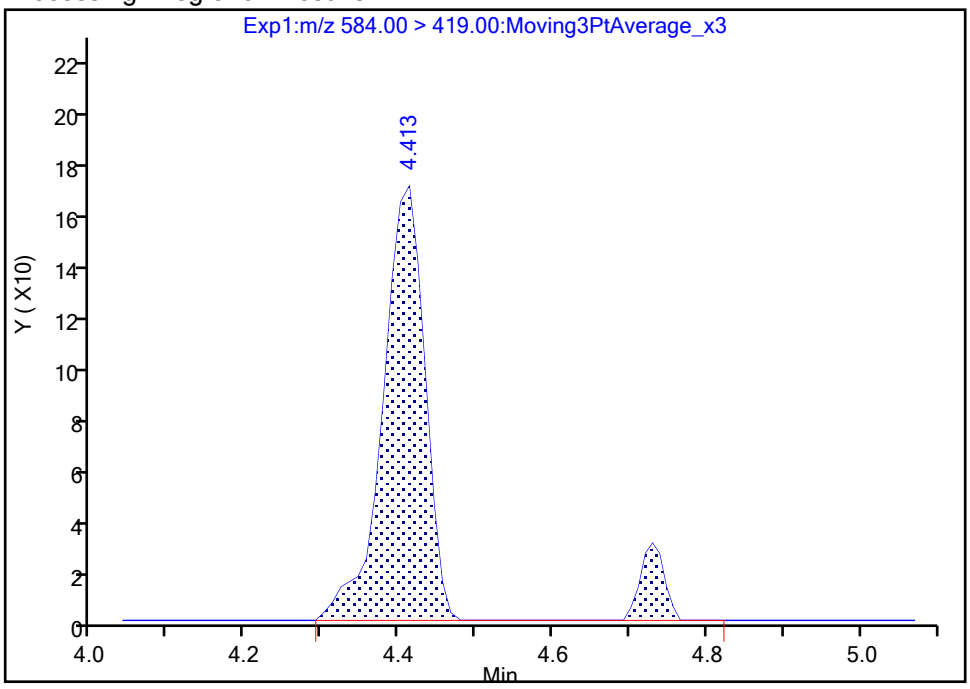
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B15.d				
Injection Date:	03-Mar-2021 20:54:12	Instrument ID:	LC812		
Lims ID:	480-181441-A-6-A	Lab Sample ID:	200-181441-6		
Client ID:	DUP-1-022321				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

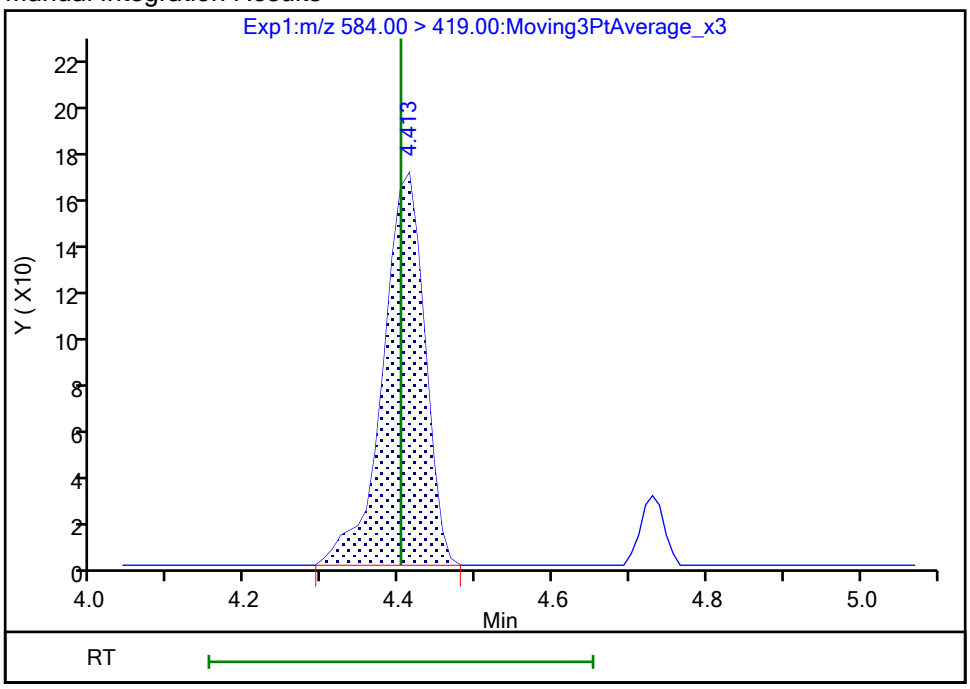
Processing Integration Results

RT: 4.41
Area: 704
Amount: 0.021918
Amount Units: ng/ml



Manual Integration Results

RT: 4.41
Area: 640
Amount: 0.019926
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:26:44

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

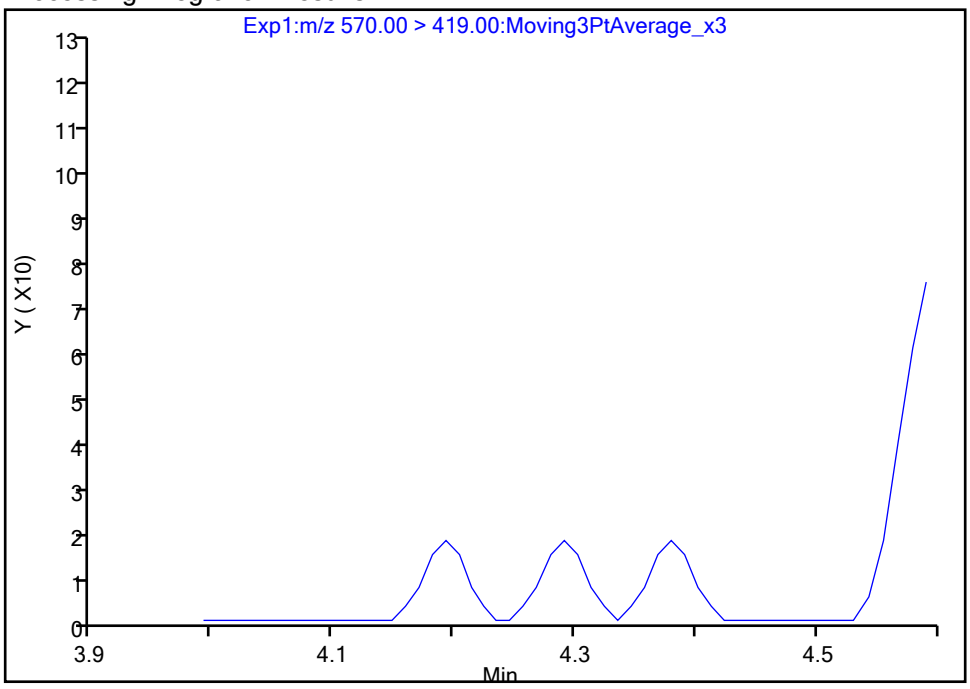
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B15.d				
Injection Date:	03-Mar-2021 20:54:12	Instrument ID:	LC812		
Lims ID:	480-181441-A-6-A	Lab Sample ID:	200-181441-6		
Client ID:	DUP-1-022321				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

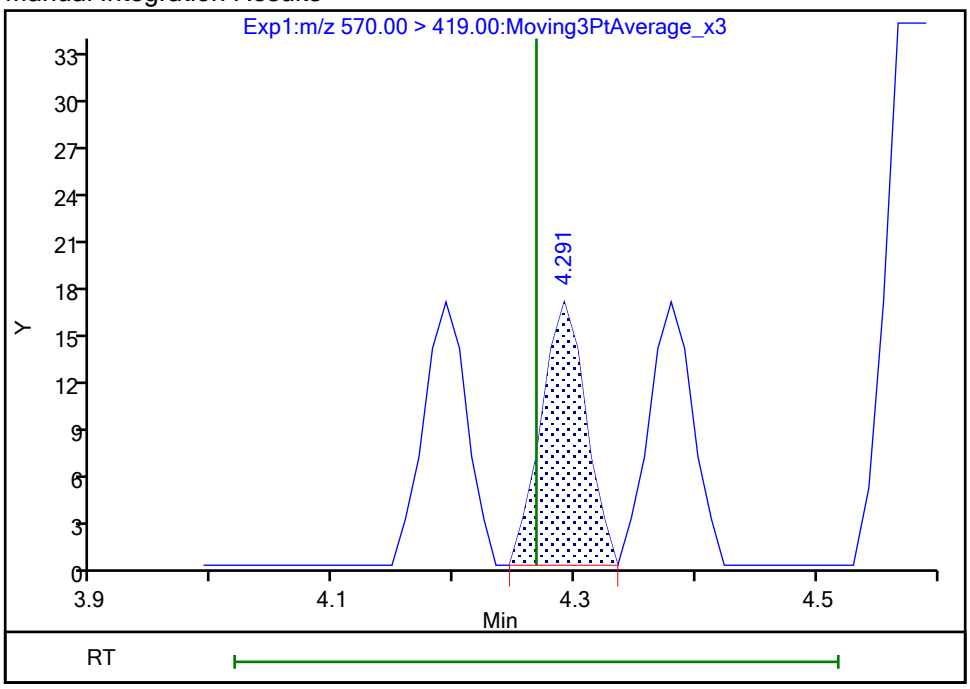
Not Detected
Expected RT: 4.27

Processing Integration Results



Manual Integration Results

RT: 4.29
Area: 43
Amount: 0.001380
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:26:13
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

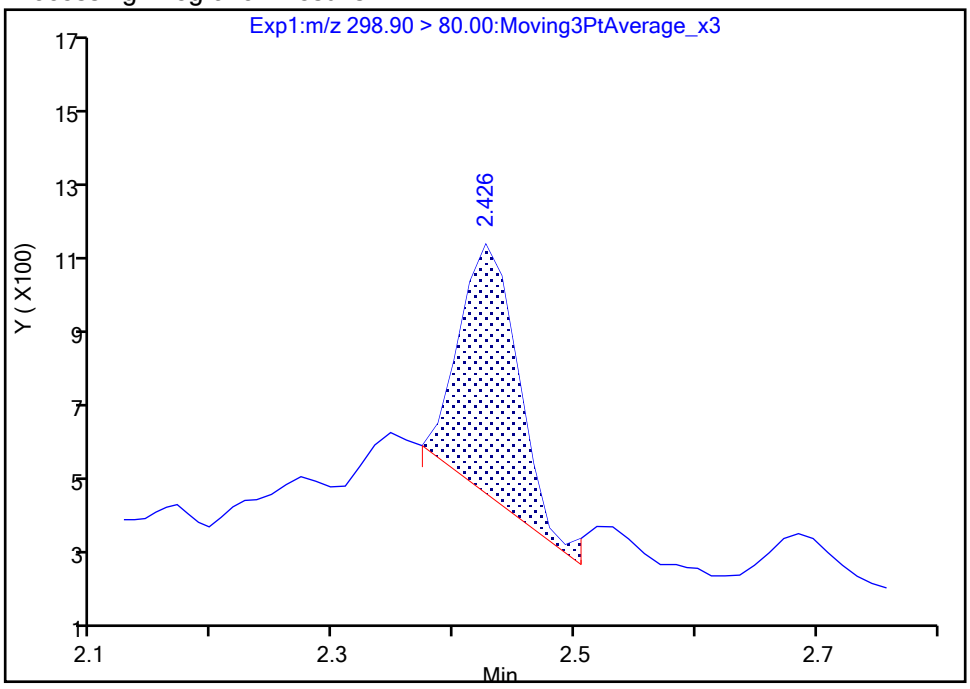
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B15.d				
Injection Date:	03-Mar-2021 20:54:12	Instrument ID:	LC812		
Lims ID:	480-181441-A-6-A	Lab Sample ID:	200-181441-6		
Client ID:	DUP-1-022321				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

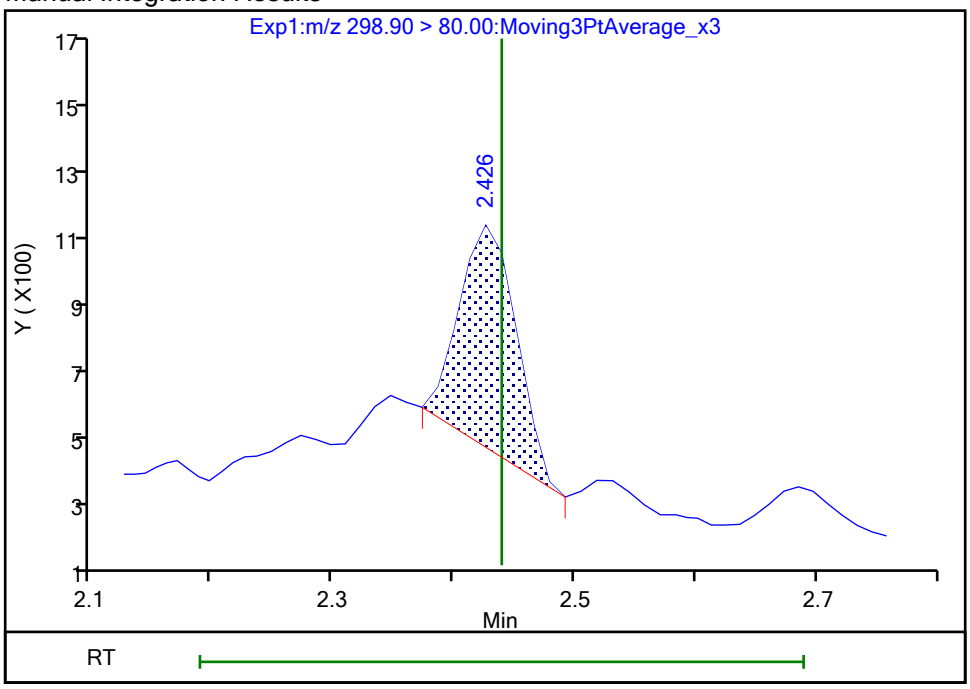
Processing Integration Results

RT: 2.43
Area: 2235
Amount: 0.001825
Amount Units: ng/ml



Manual Integration Results

RT: 2.43
Area: 2127
Amount: 0.001737
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:23:28
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

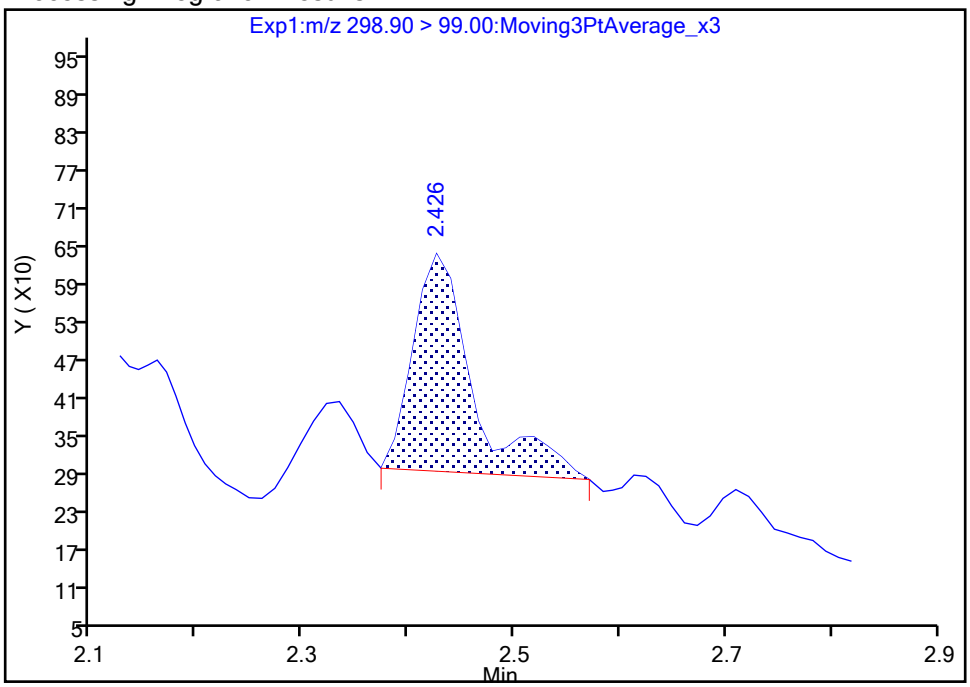
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B15.d				
Injection Date:	03-Mar-2021 20:54:12	Instrument ID:	LC812		
Lims ID:	480-181441-A-6-A	Lab Sample ID:	200-181441-6		
Client ID:	DUP-1-022321				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

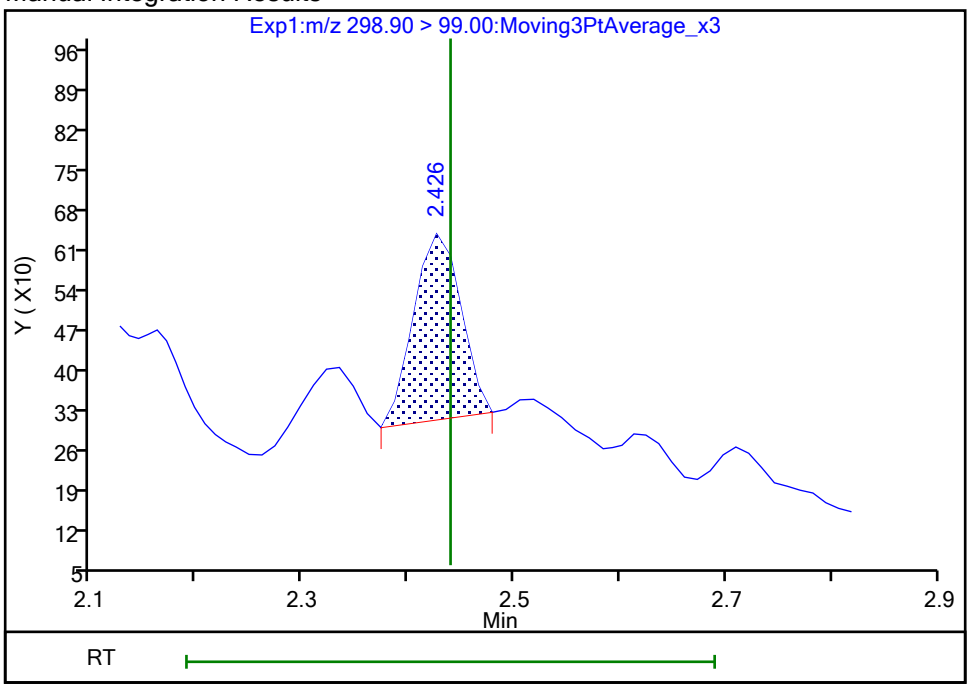
Processing Integration Results

RT: 2.43
Area: 1353
Amount: 0.001825
Amount Units: ng/ml



Manual Integration Results

RT: 2.43
Area: 1016
Amount: 0.001737
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:23:30

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

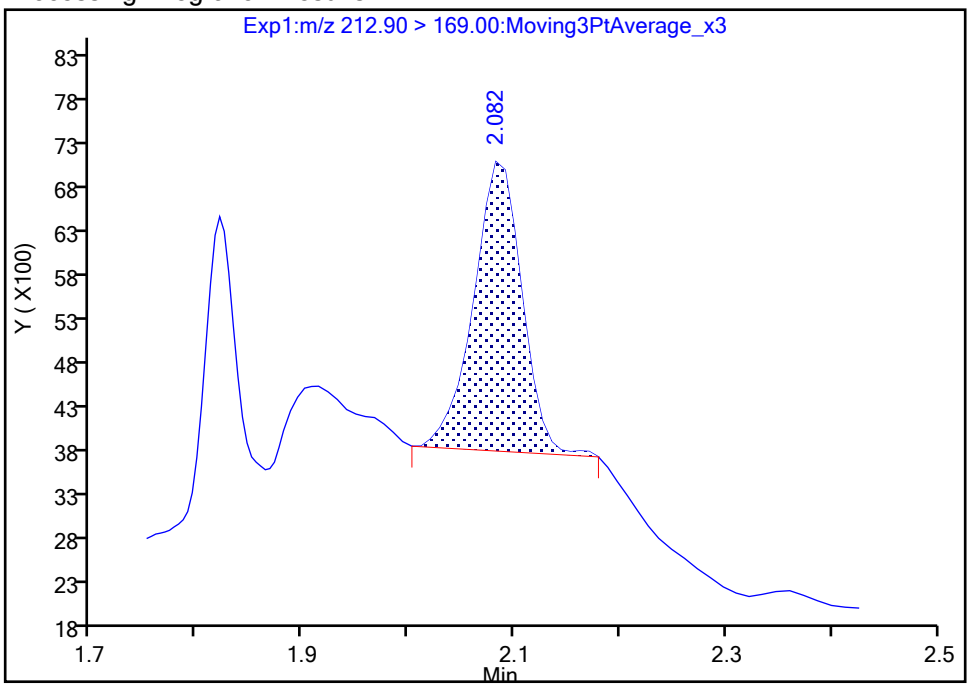
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B15.d				
Injection Date:	03-Mar-2021 20:54:12	Instrument ID:	LC812		
Lims ID:	480-181441-A-6-A	Lab Sample ID:	200-181441-6		
Client ID:	DUP-1-022321				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

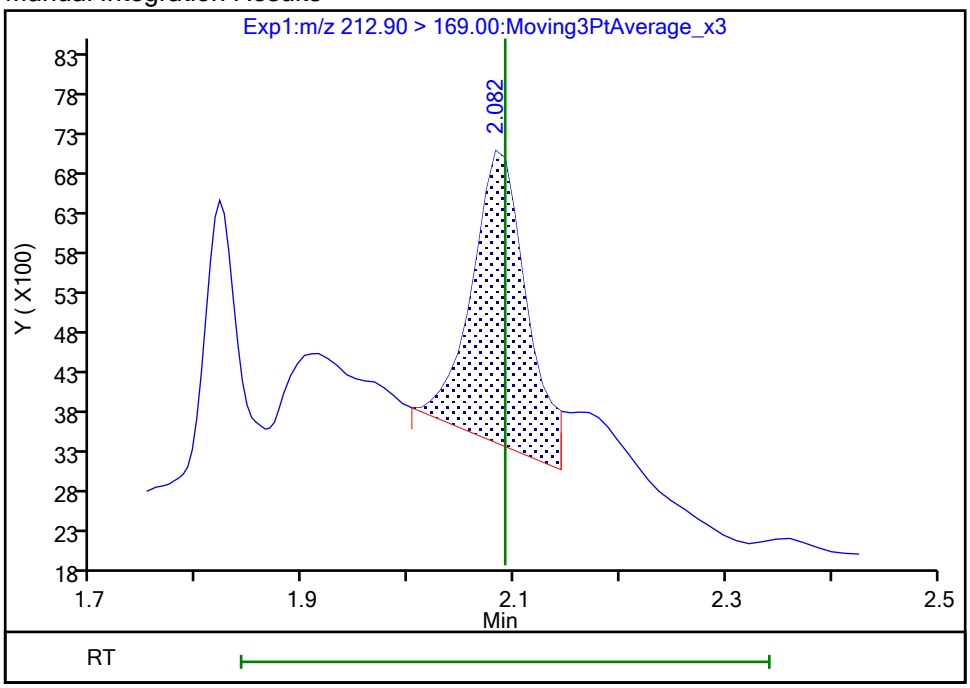
Processing Integration Results

RT: 2.08
Area: 10398
Amount: 0.010083
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 13182
Amount: 0.012783
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:23:11

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

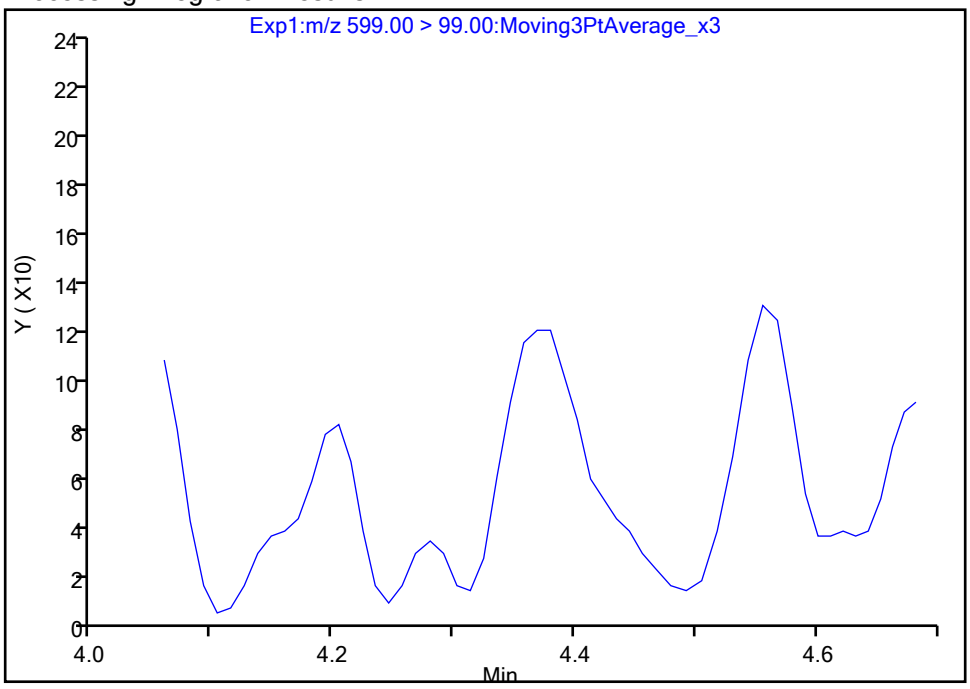
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B15.d				
Injection Date:	03-Mar-2021 20:54:12	Instrument ID:	LC812		
Lims ID:	480-181441-A-6-A	Lab Sample ID:	200-181441-6		
Client ID:	DUP-1-022321				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

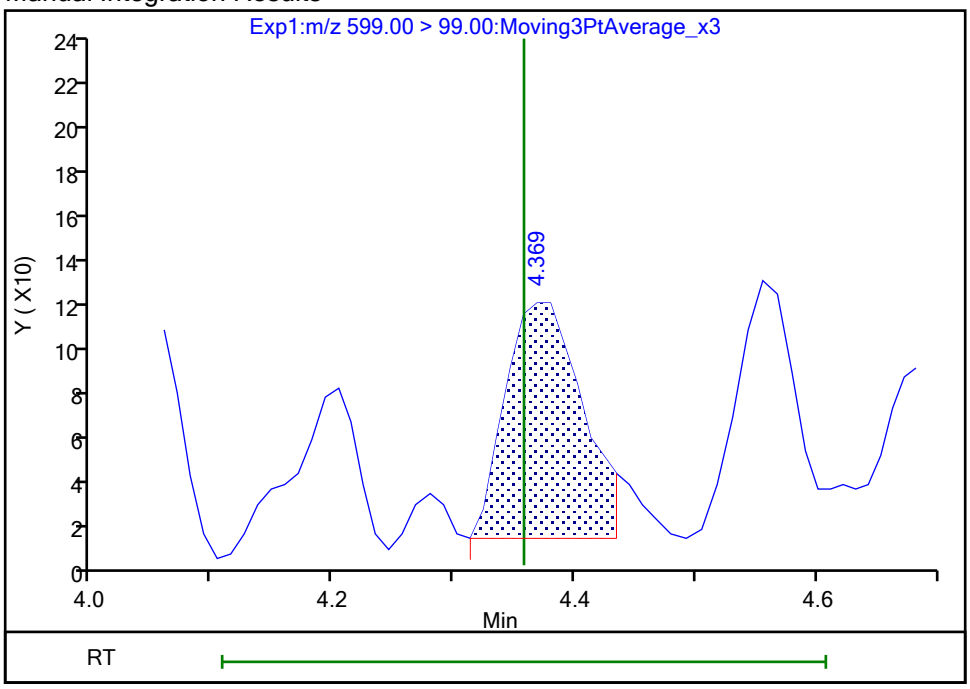
Not Detected
Expected RT: 4.36

Processing Integration Results



Manual Integration Results

RT: 4.37
Area: 461
Amount: 0.001754
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:26:22
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

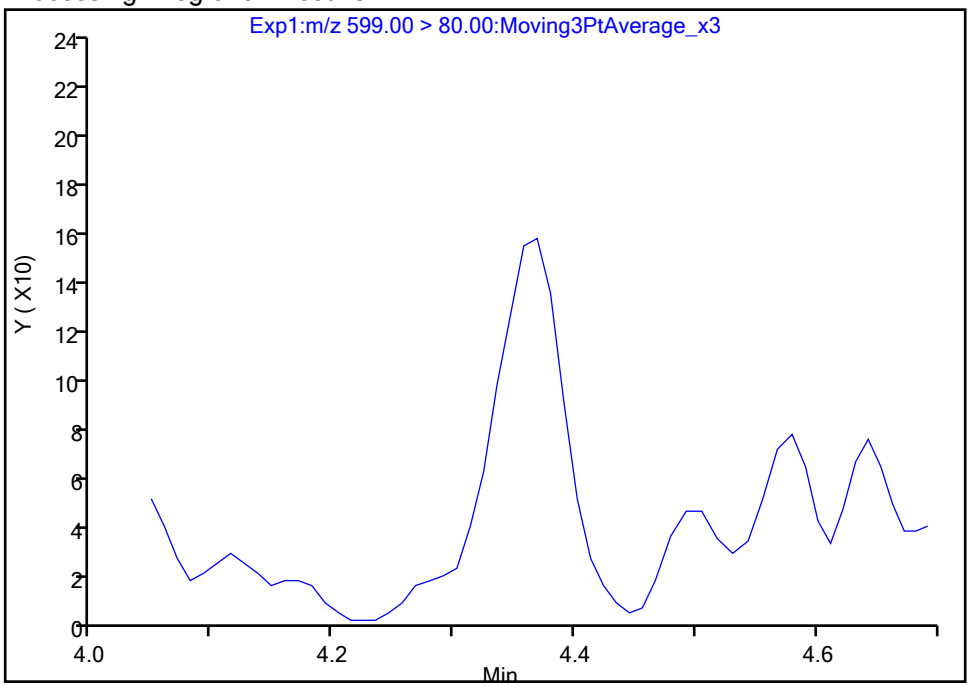
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B15.d				
Injection Date:	03-Mar-2021 20:54:12	Instrument ID:	LC812		
Lims ID:	480-181441-A-6-A	Lab Sample ID:	200-181441-6		
Client ID:	DUP-1-022321				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

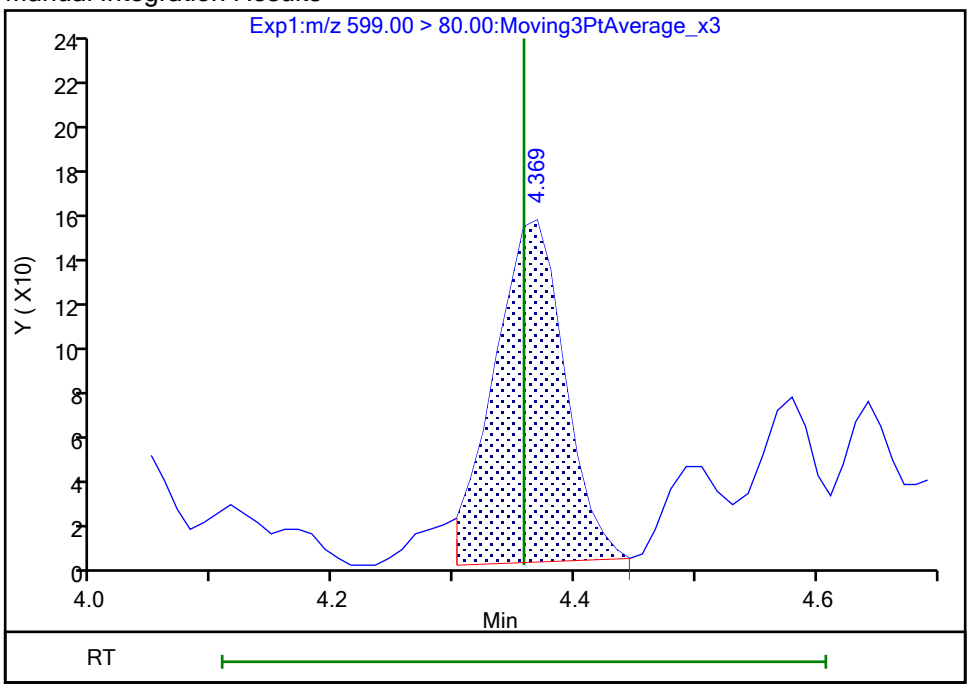
Not Detected
Expected RT: 4.36

Processing Integration Results



Manual Integration Results

RT: 4.37
Area: 616
Amount: 0.001754
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:26:23
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

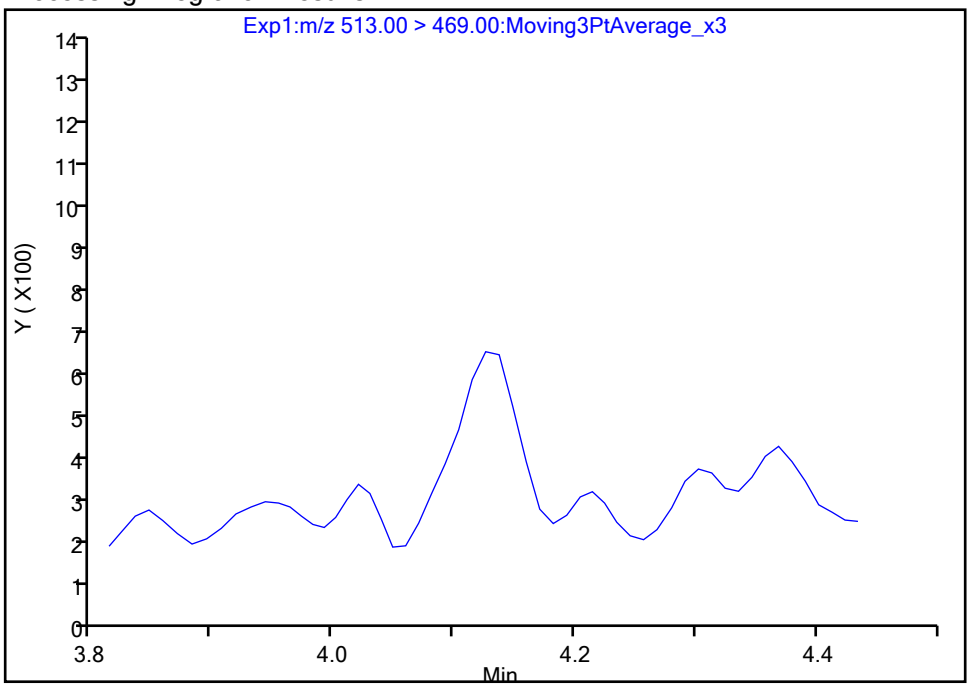
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Injection Date:	03-Mar-2021 20:54:12	Instrument ID:	LC812		
Lims ID:	480-181441-A-6-A	Lab Sample ID:	200-181441-6		
Client ID:	DUP-1-022321				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

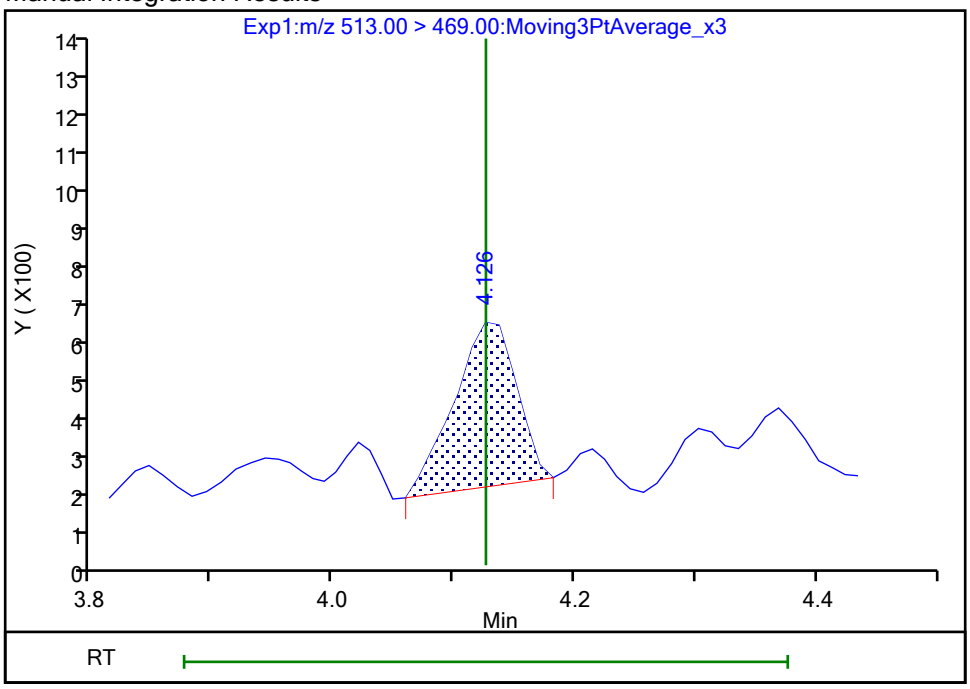
Not Detected
Expected RT: 4.13

Processing Integration Results



Manual Integration Results

RT: 4.13
Area: 1496
Amount: 0.002498
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:25:49
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

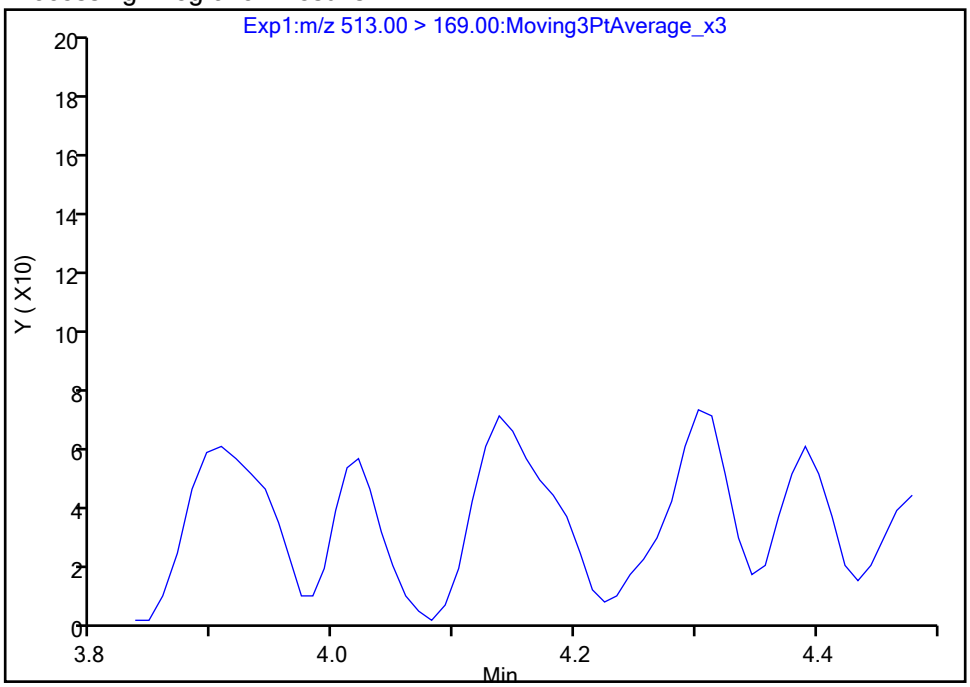
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B15.d				
Injection Date:	03-Mar-2021 20:54:12	Instrument ID:	LC812		
Lims ID:	480-181441-A-6-A	Lab Sample ID:	200-181441-6		
Client ID:	DUP-1-022321				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

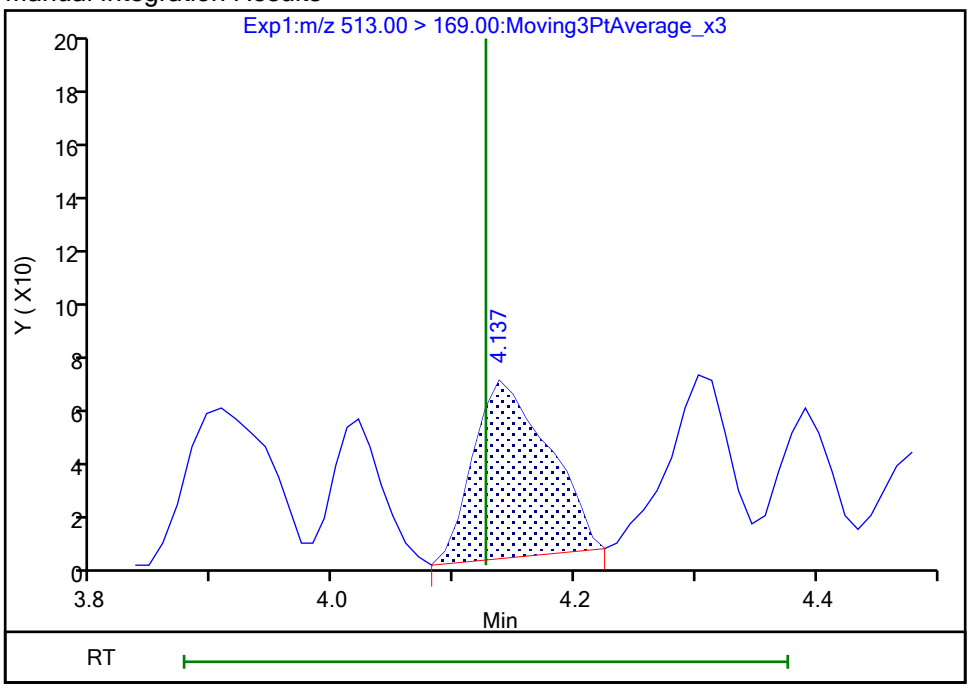
Not Detected
Expected RT: 4.13

Processing Integration Results



Manual Integration Results

RT: 4.14
Area: 278
Amount: 0.002498
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:25:54
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

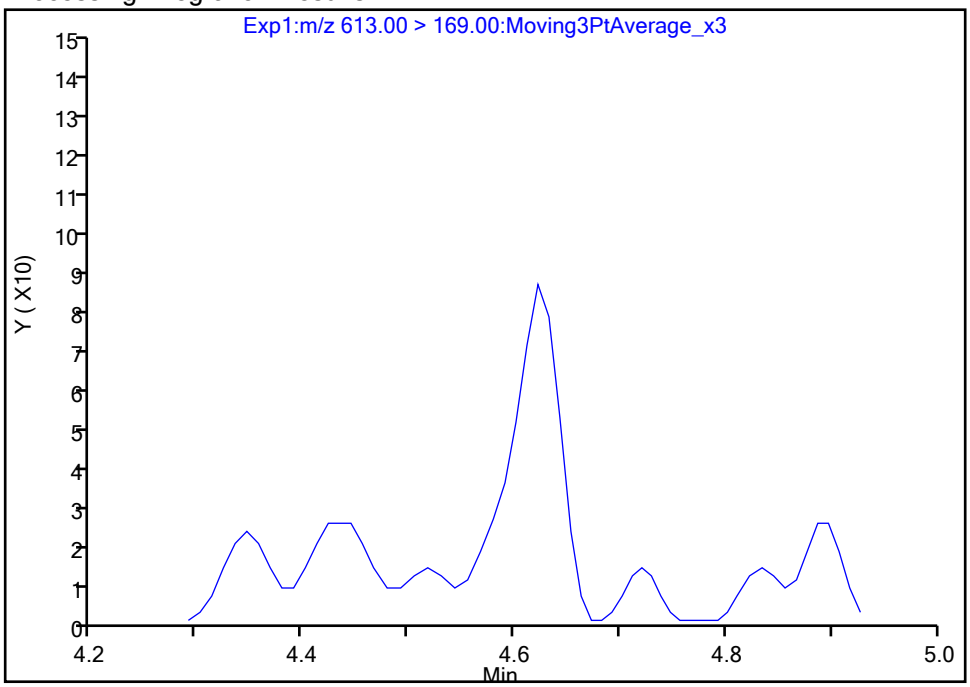
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B15.d				
Injection Date:	03-Mar-2021 20:54:12	Instrument ID:	LC812		
Lims ID:	480-181441-A-6-A	Lab Sample ID:	200-181441-6		
Client ID:	DUP-1-022321				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

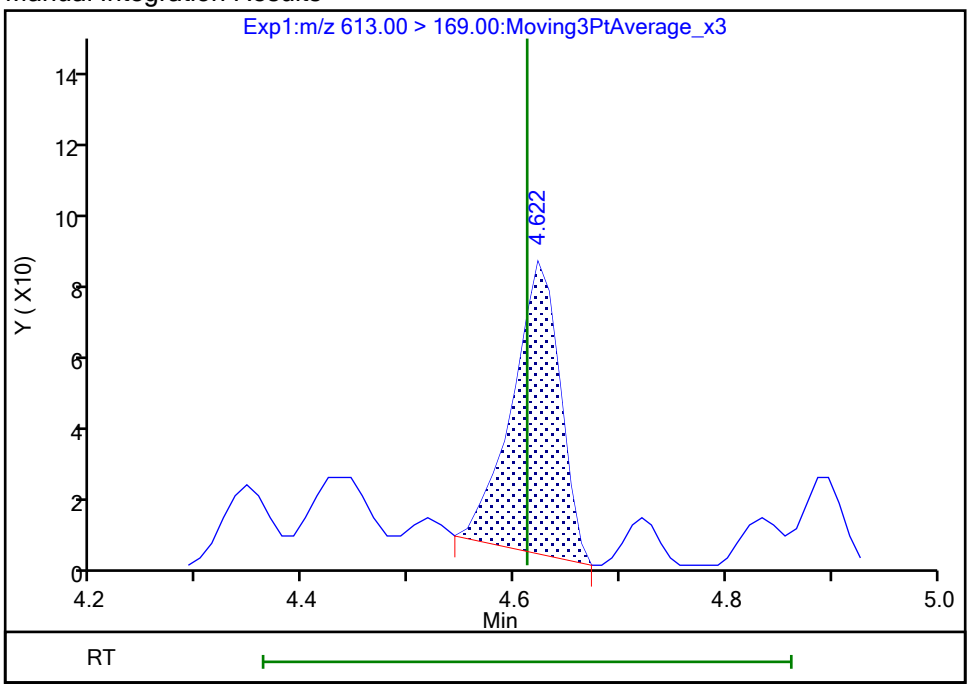
Not Detected
Expected RT: 4.61

Processing Integration Results



Manual Integration Results

RT: 4.62
Area: 250
Amount: 0.001126
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:26:53
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

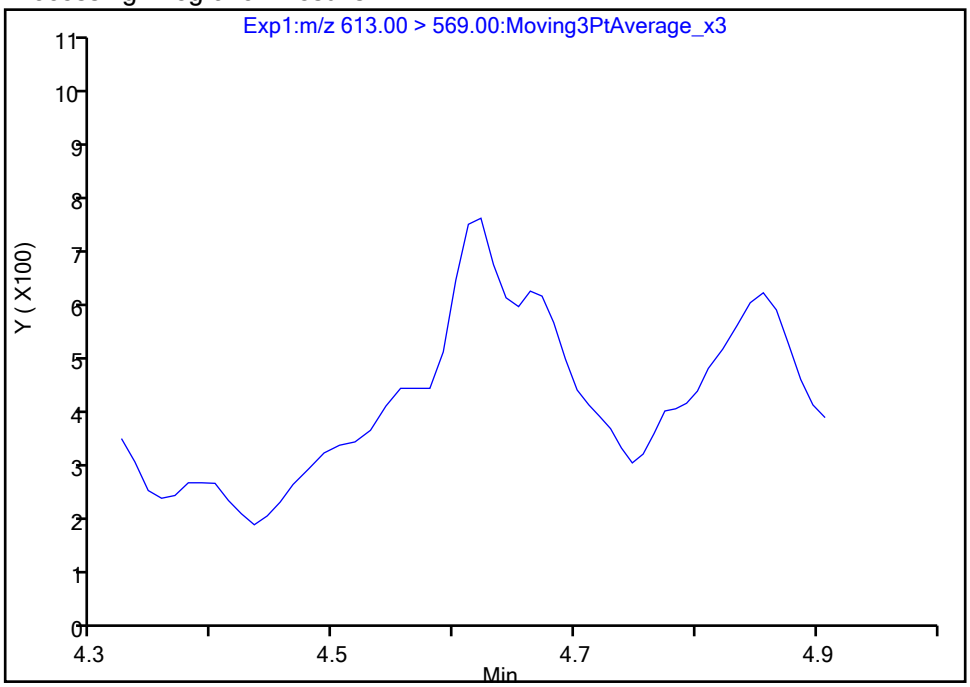
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Injection Date:	03-Mar-2021 20:54:12	Instrument ID:	LC812		
Lims ID:	480-181441-A-6-A	Lab Sample ID:	200-181441-6		
Client ID:	DUP-1-022321				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

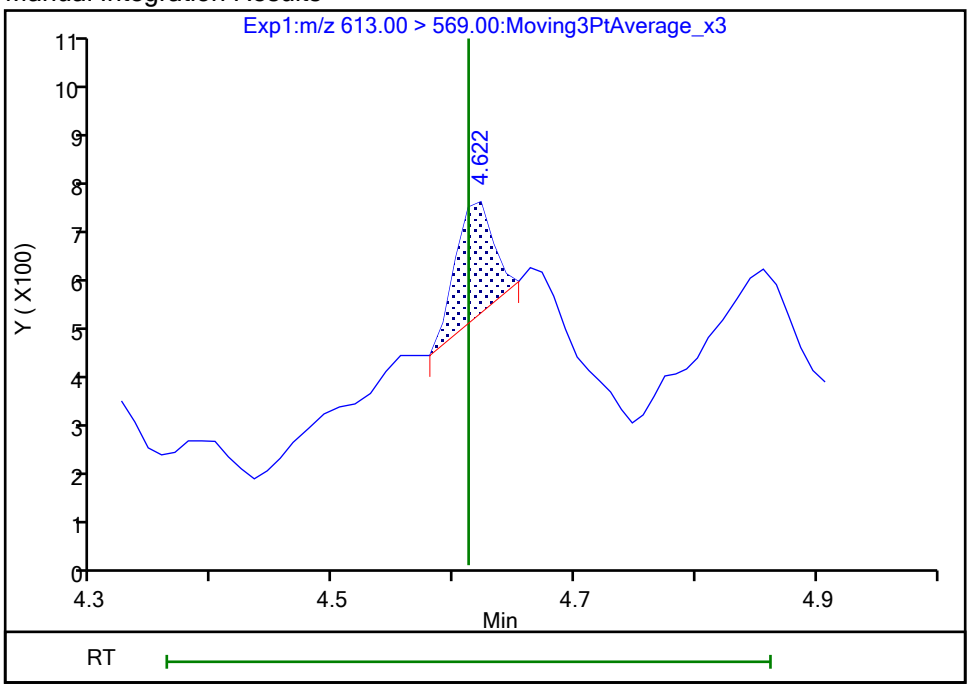
Not Detected
Expected RT: 4.61

Processing Integration Results



Manual Integration Results

RT: 4.62
Area: 504
Amount: 0.001126
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:26:59
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

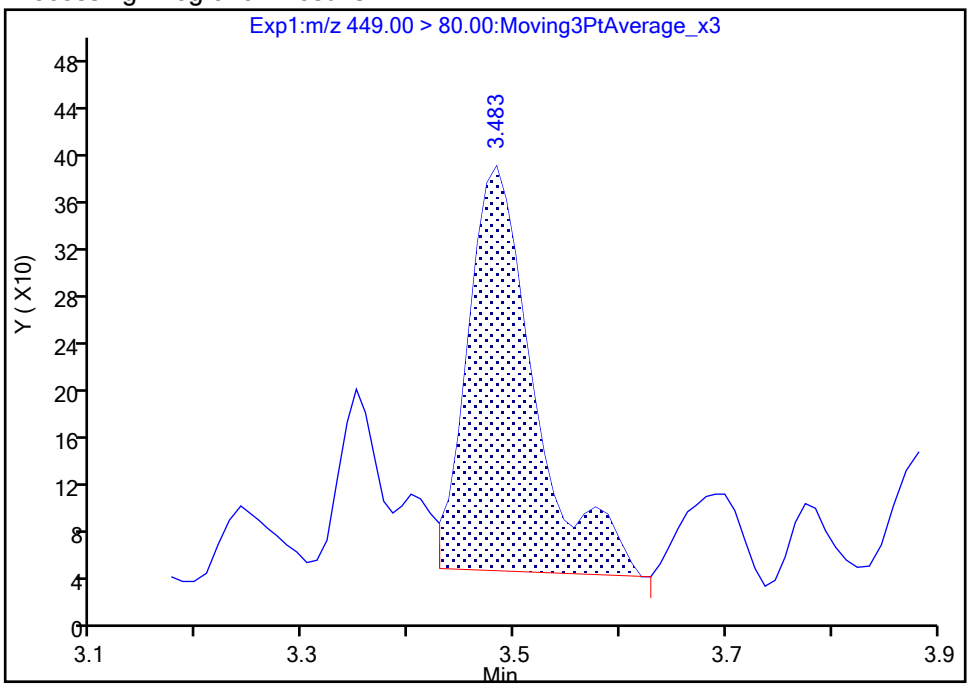
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B15.d				
Injection Date:	03-Mar-2021 20:54:12	Instrument ID:	LC812		
Lims ID:	480-181441-A-6-A	Lab Sample ID:	200-181441-6		
Client ID:	DUP-1-022321				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

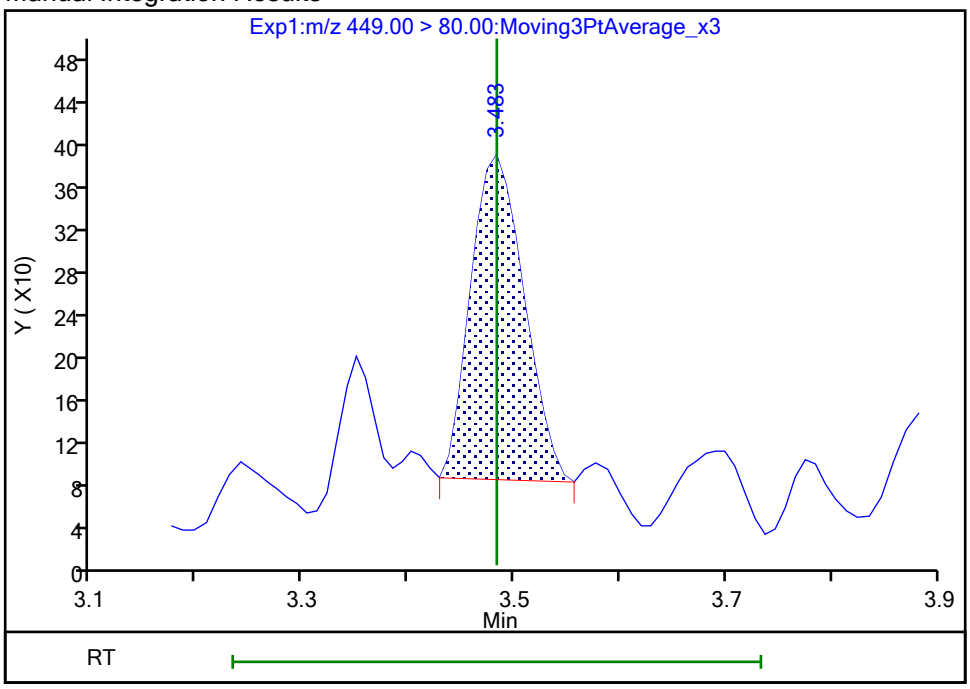
Processing Integration Results

RT: 3.48
Area: 1499
Amount: 0.002163
Amount Units: ng/ml



Manual Integration Results

RT: 3.48
Area: 1065
Amount: 0.001537
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:24:30

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

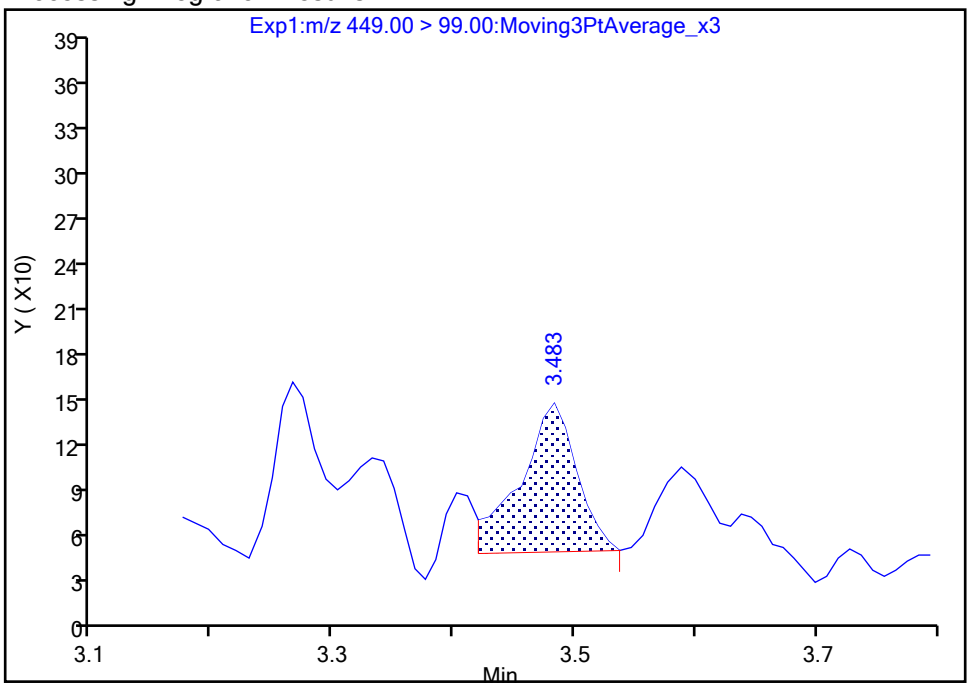
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B15.d				
Injection Date:	03-Mar-2021 20:54:12	Instrument ID:	LC812		
Lims ID:	480-181441-A-6-A	Lab Sample ID:	200-181441-6		
Client ID:	DUP-1-022321				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

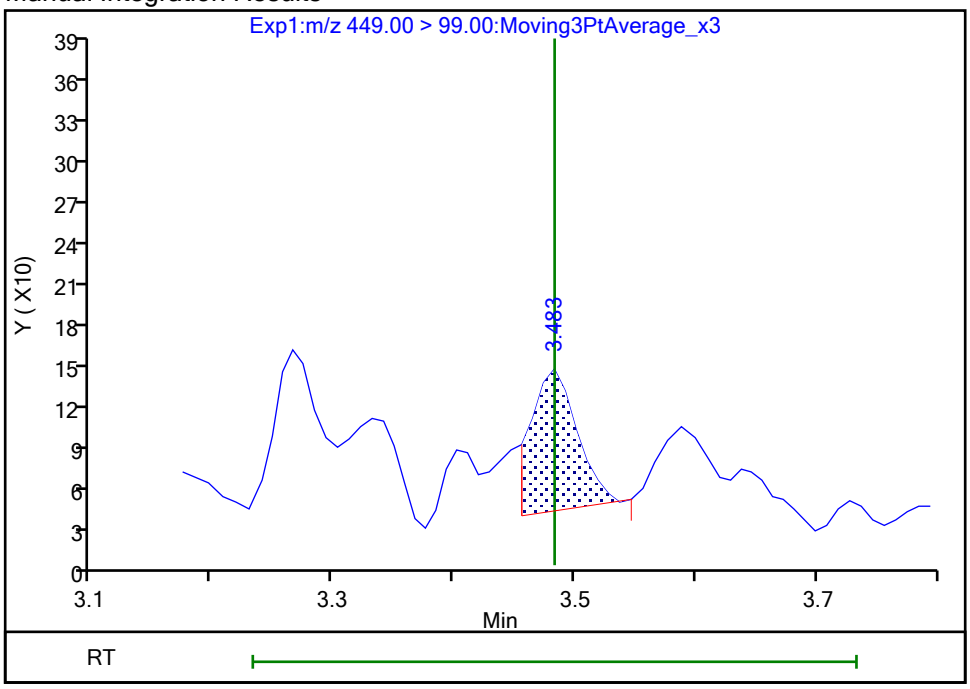
Processing Integration Results

RT: 3.48
Area: 316
Amount: 0.002163
Amount Units: ng/ml



Manual Integration Results

RT: 3.48
Area: 266
Amount: 0.001537
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:24:39

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

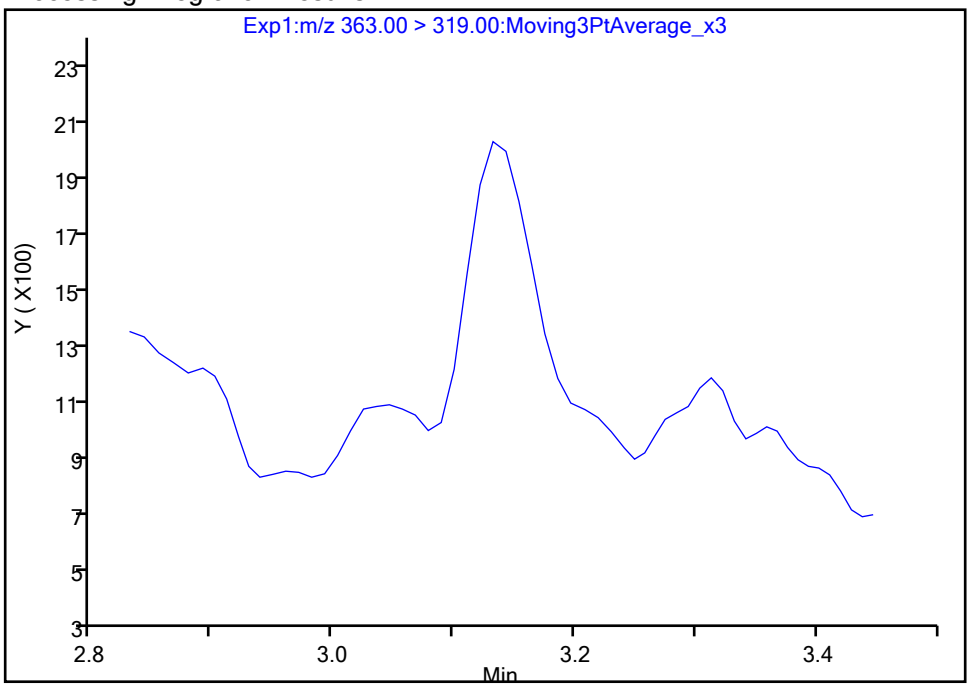
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B15.d				
Injection Date:	03-Mar-2021 20:54:12	Instrument ID:	LC812		
Lims ID:	480-181441-A-6-A	Lab Sample ID:	200-181441-6		
Client ID:	DUP-1-022321				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

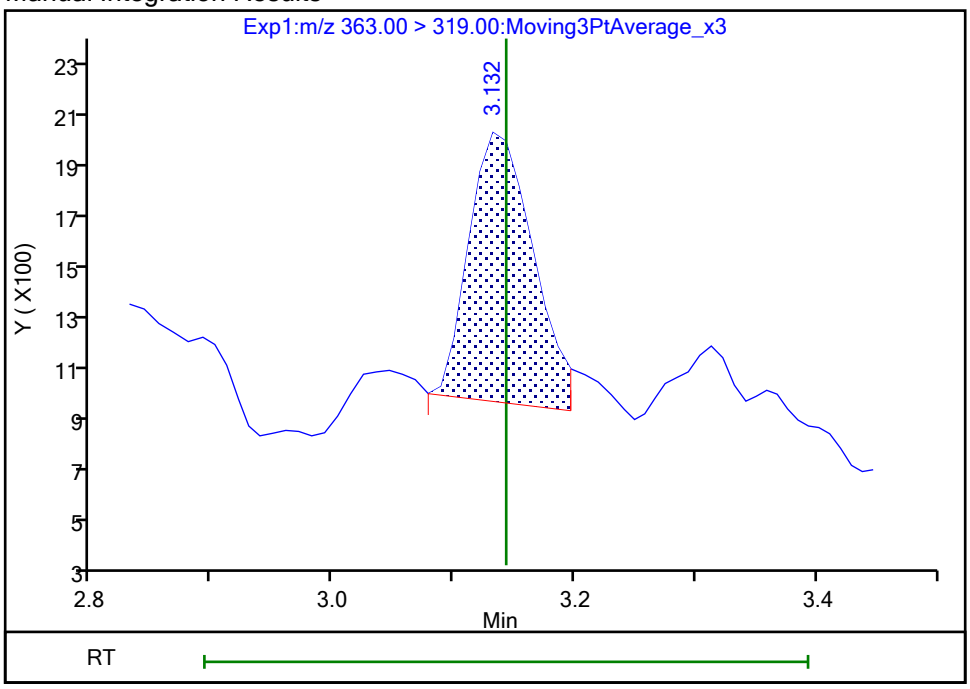
Not Detected
Expected RT: 3.14

Processing Integration Results



Manual Integration Results

RT: 3.13
Area: 3825
Amount: 0.004093
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:24:06
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

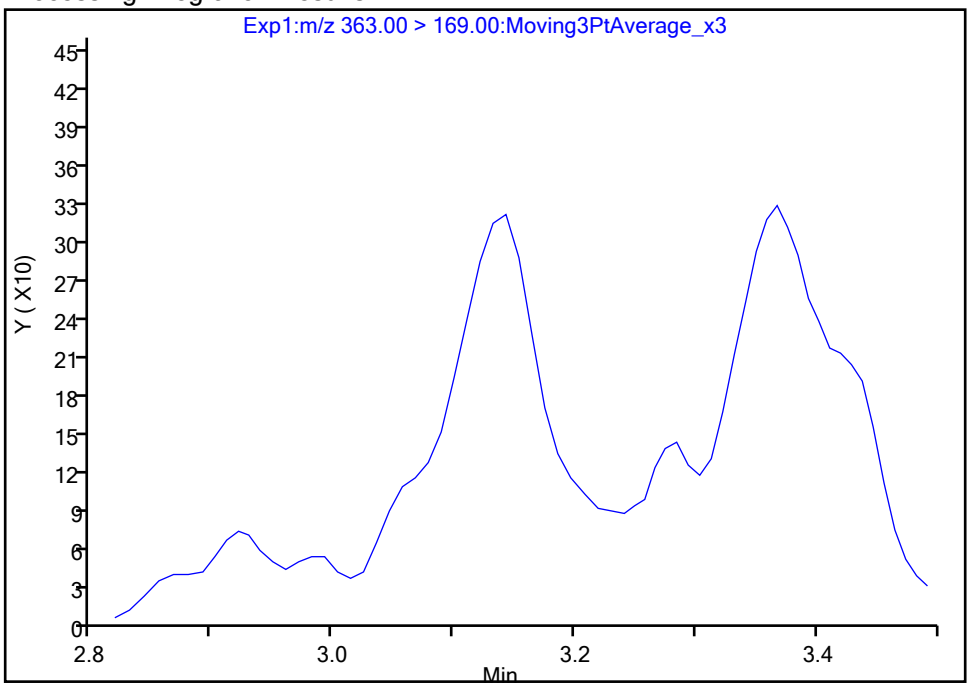
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B15.d				
Injection Date:	03-Mar-2021 20:54:12	Instrument ID:	LC812		
Lims ID:	480-181441-A-6-A	Lab Sample ID:	200-181441-6		
Client ID:	DUP-1-022321				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

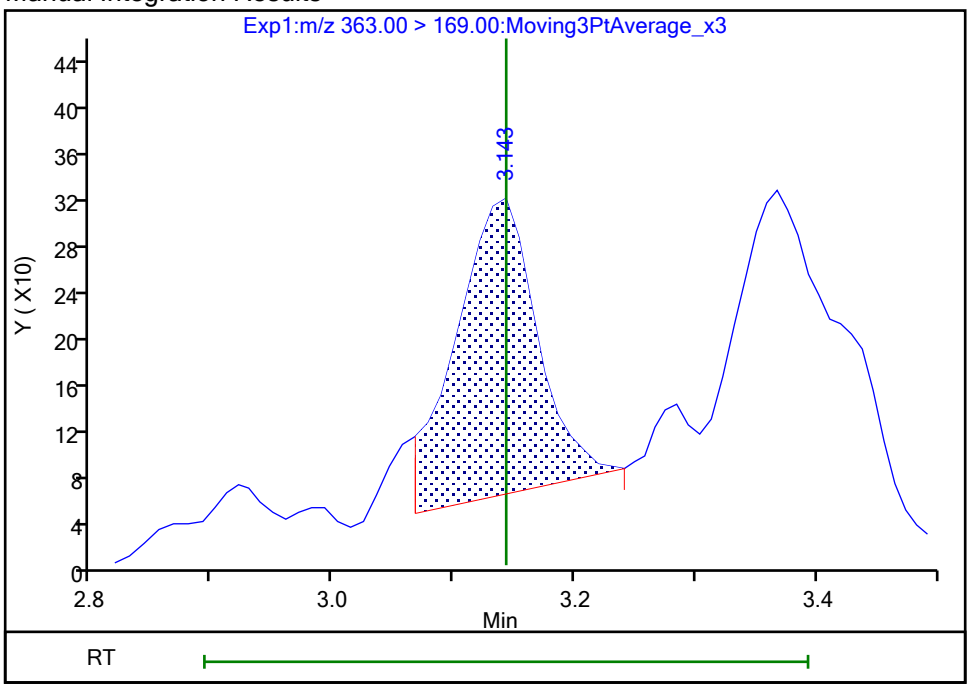
Not Detected
Expected RT: 3.14

Processing Integration Results



Manual Integration Results

RT: 3.14
Area: 1208
Amount: 0.004093
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:24:07
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

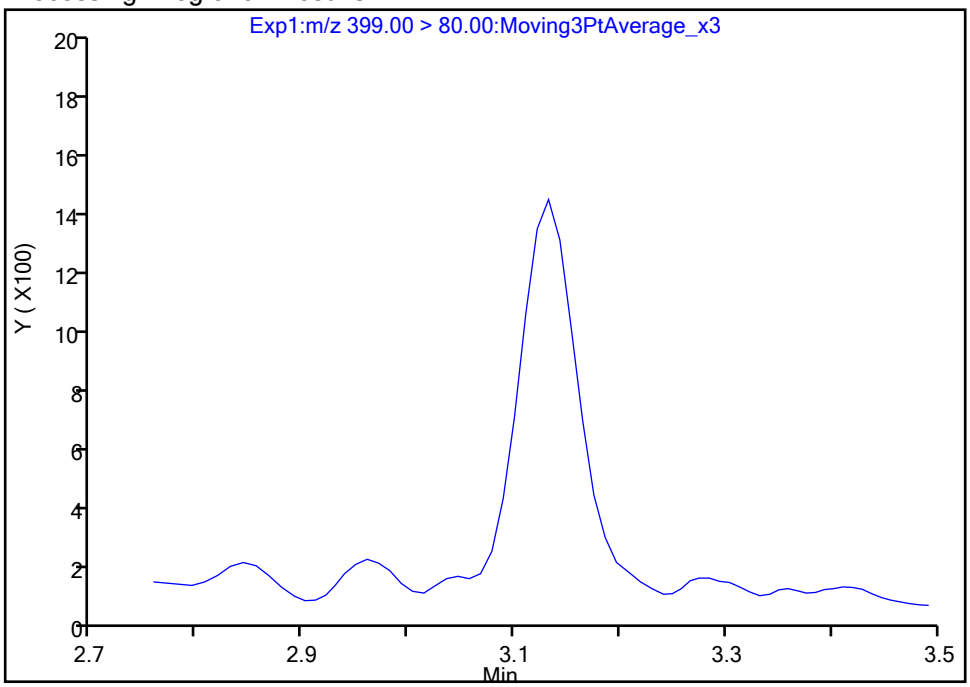
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B15.d				
Injection Date:	03-Mar-2021 20:54:12	Instrument ID:	LC812		
Lims ID:	480-181441-A-6-A	Lab Sample ID:	200-181441-6		
Client ID:	DUP-1-022321				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

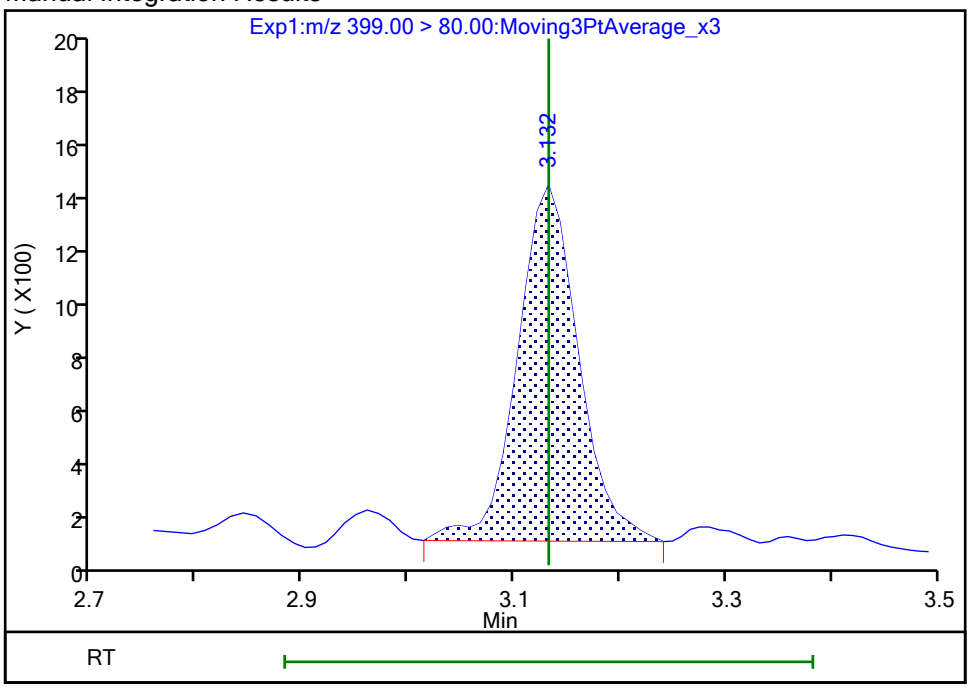
Not Detected
Expected RT: 3.13

Processing Integration Results



Manual Integration Results

RT: 3.13
Area: 5368
Amount: 0.005711
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:23:48
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

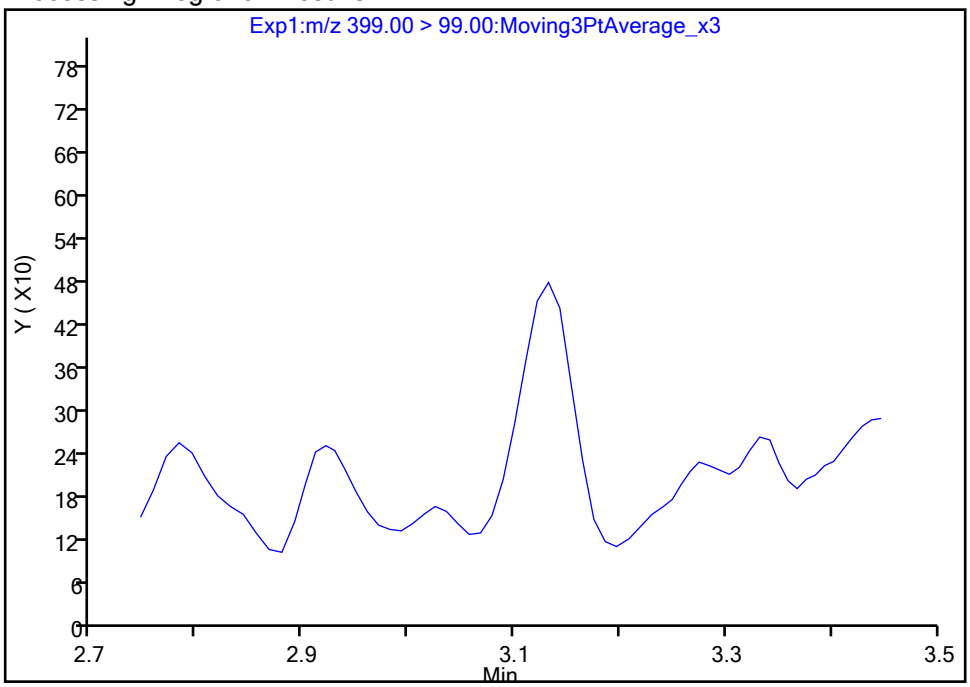
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B15.d				
Injection Date:	03-Mar-2021 20:54:12	Instrument ID:	LC812		
Lims ID:	480-181441-A-6-A	Lab Sample ID:	200-181441-6		
Client ID:	DUP-1-022321				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

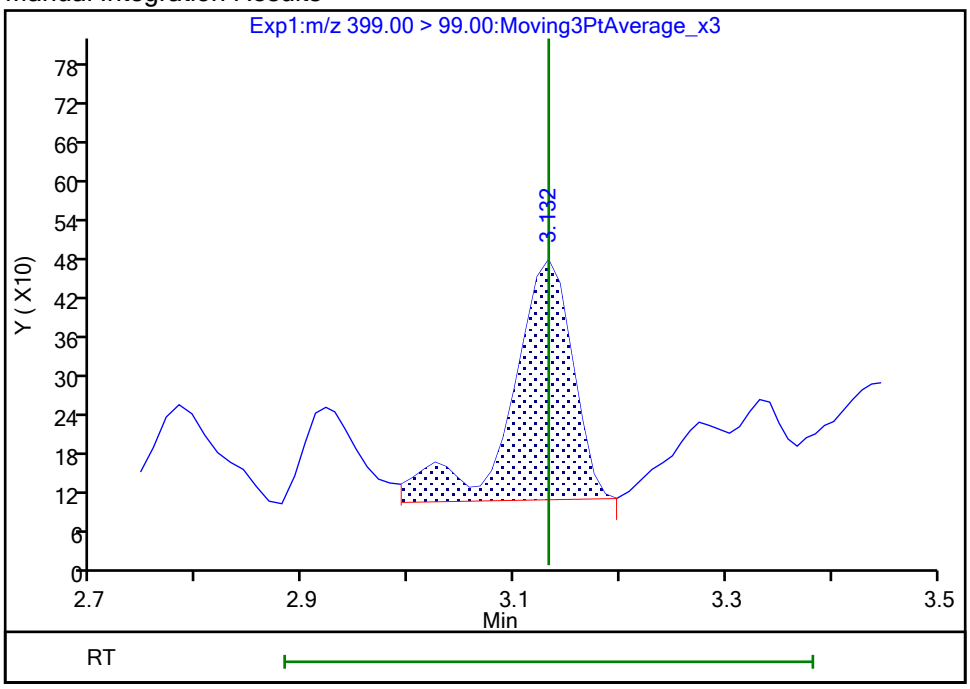
Not Detected
Expected RT: 3.13

Processing Integration Results



Manual Integration Results

RT: 3.13
Area: 1495
Amount: 0.005711
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:23:53
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

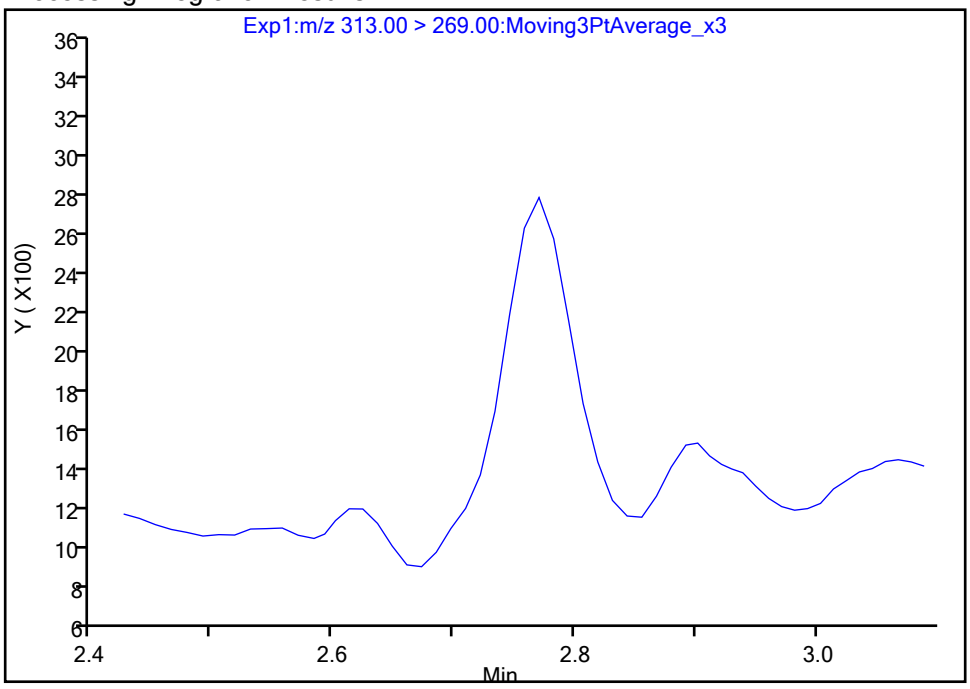
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Lims ID:	480-181441-A-6-A	Lab Sample ID:	200-181441-6		
Client ID:	DUP-1-022321				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

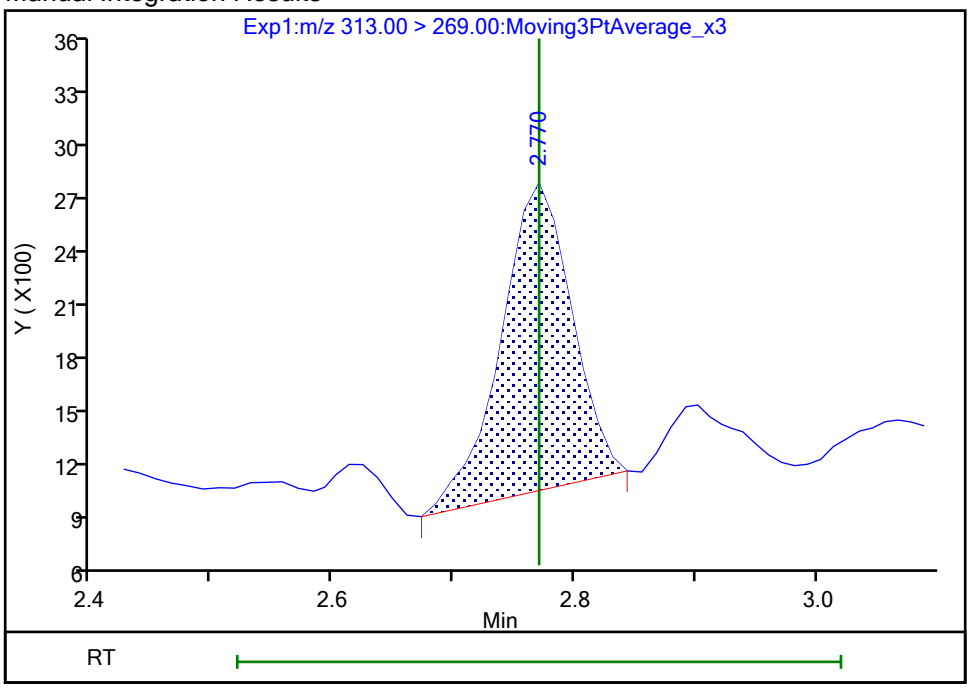
Not Detected
Expected RT: 2.77

Processing Integration Results



Manual Integration Results

RT: 2.77
Area: 6915
Amount: 0.007068
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:23:39
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

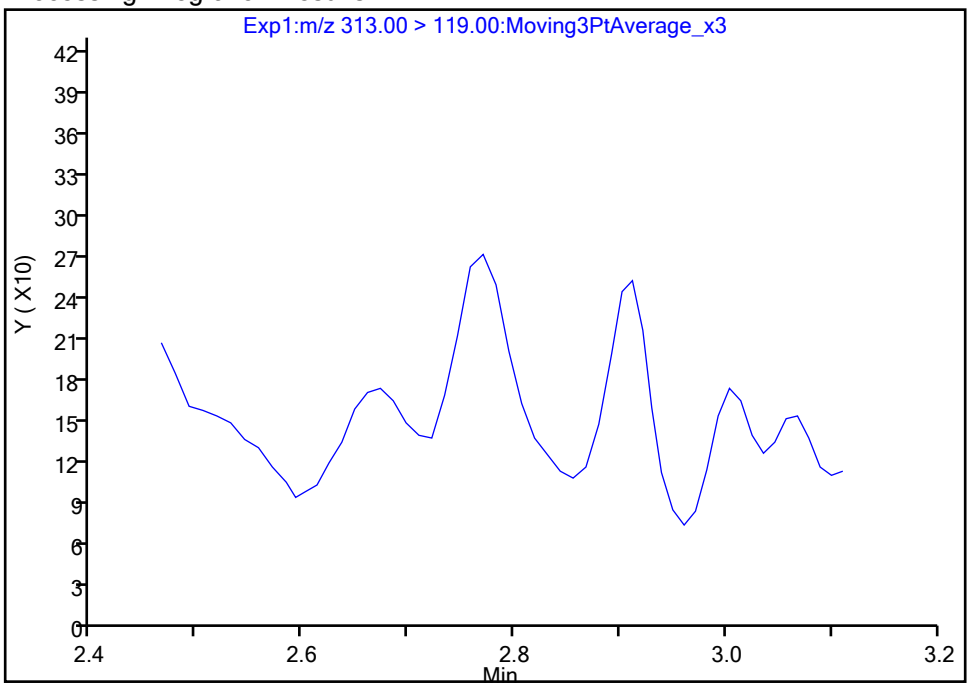
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B15.d				
Injection Date:	03-Mar-2021 20:54:12	Instrument ID:	LC812		
Lims ID:	480-181441-A-6-A	Lab Sample ID:	200-181441-6		
Client ID:	DUP-1-022321				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

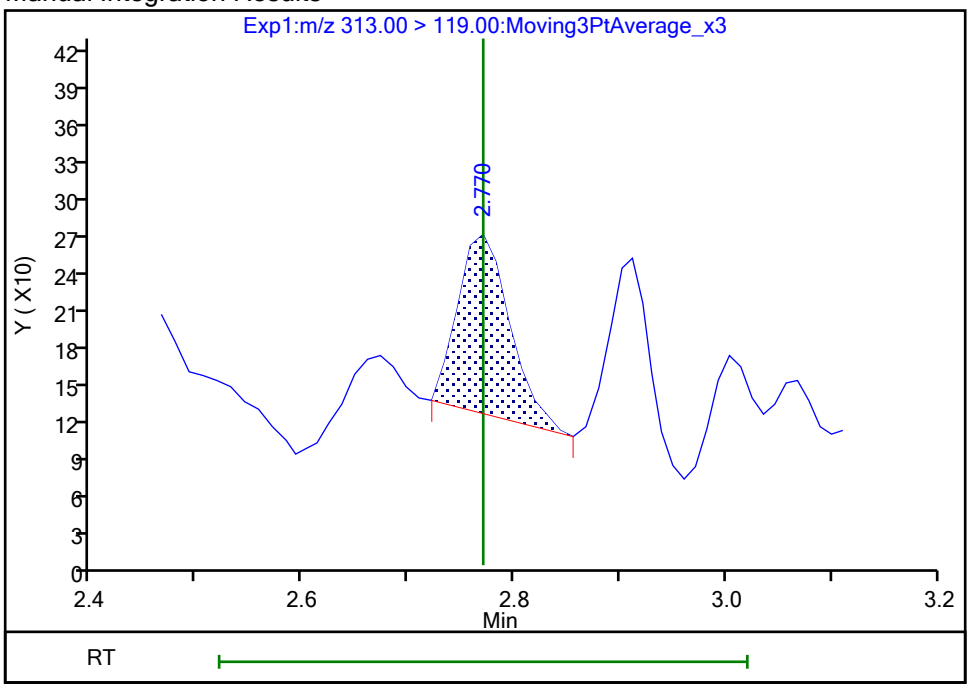
Not Detected
Expected RT: 2.77

Processing Integration Results



Manual Integration Results

RT: 2.77
Area: 488
Amount: 0.007068
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:23:42
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

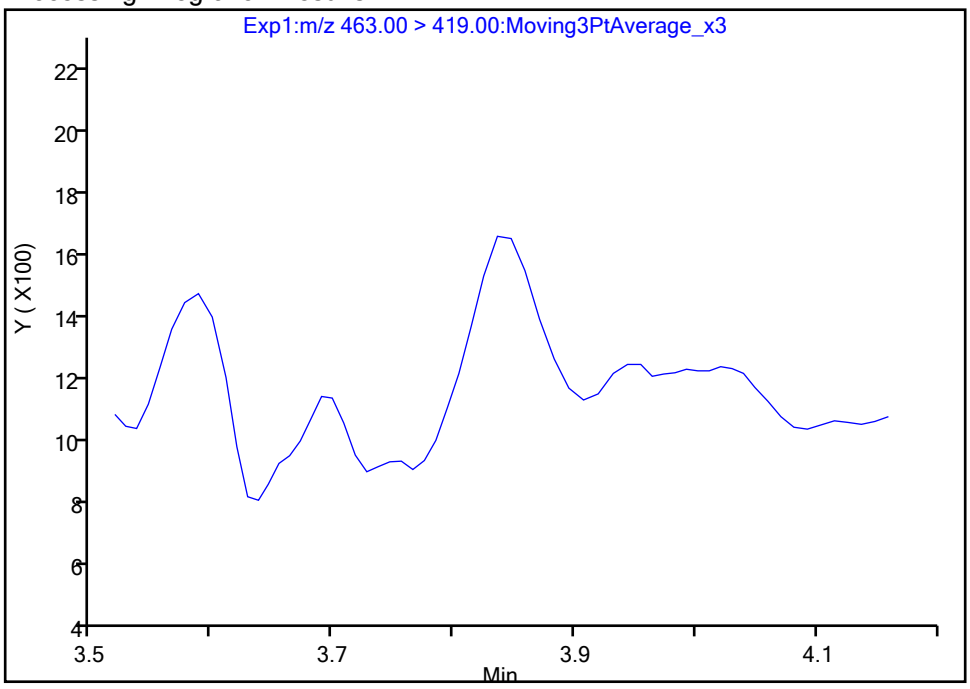
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B15.d				
Injection Date:	03-Mar-2021 20:54:12	Instrument ID:	LC812		
Lims ID:	480-181441-A-6-A	Lab Sample ID:	200-181441-6		
Client ID:	DUP-1-022321				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

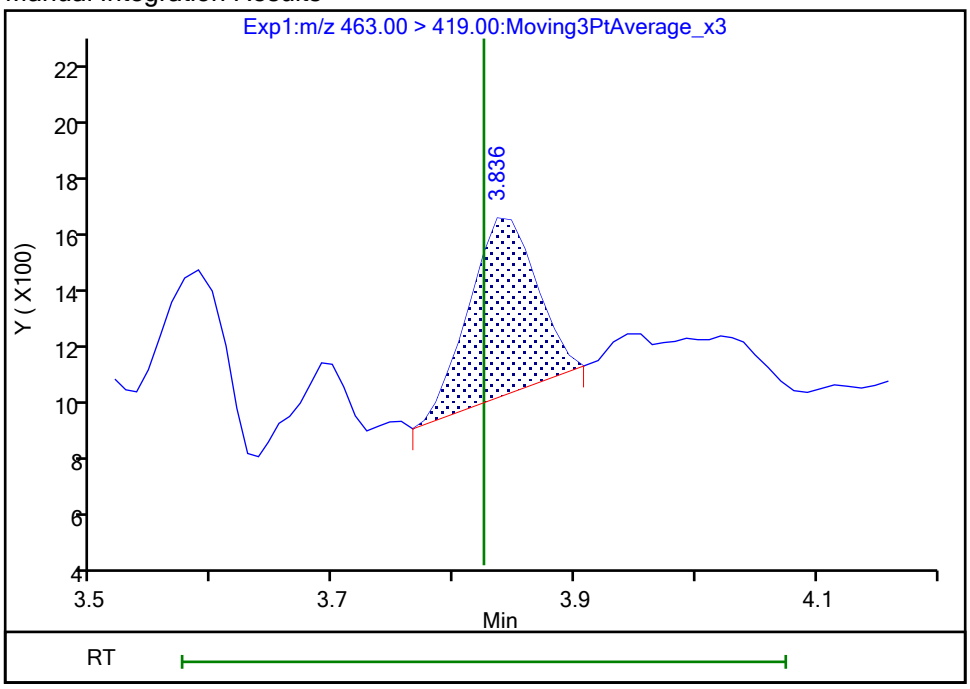
Not Detected
Expected RT: 3.82

Processing Integration Results



Manual Integration Results

RT: 3.84
Area: 2389
Amount: 0.003057
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:25:36
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

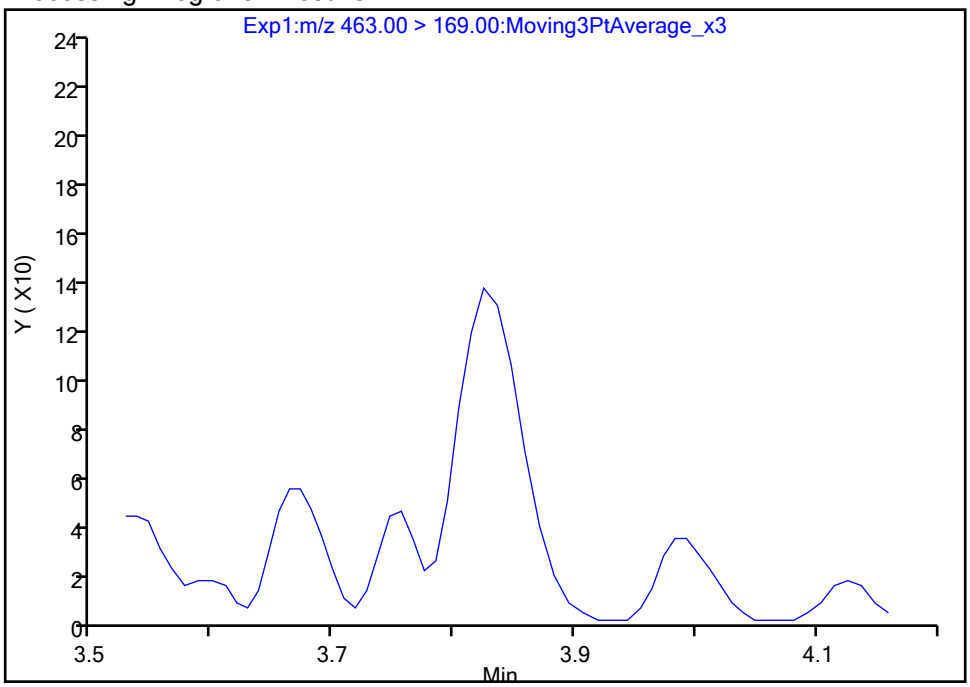
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B15.d				
Injection Date:	03-Mar-2021 20:54:12	Instrument ID:	LC812		
Lims ID:	480-181441-A-6-A	Lab Sample ID:	200-181441-6		
Client ID:	DUP-1-022321				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

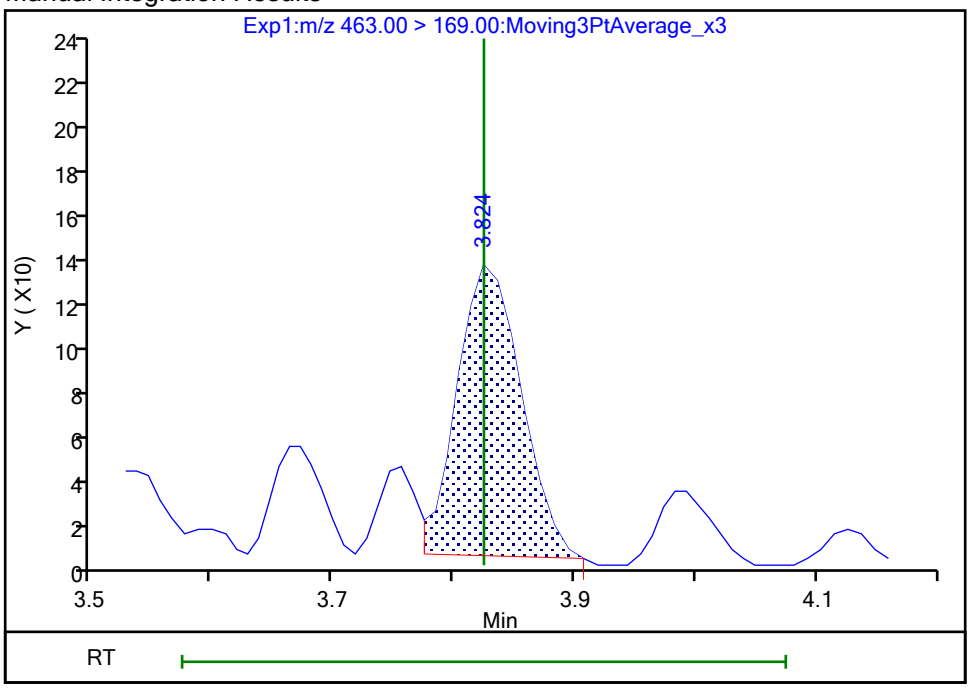
Not Detected
Expected RT: 3.82

Processing Integration Results



Manual Integration Results

RT: 3.82
Area: 476
Amount: 0.003057
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:25:41
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

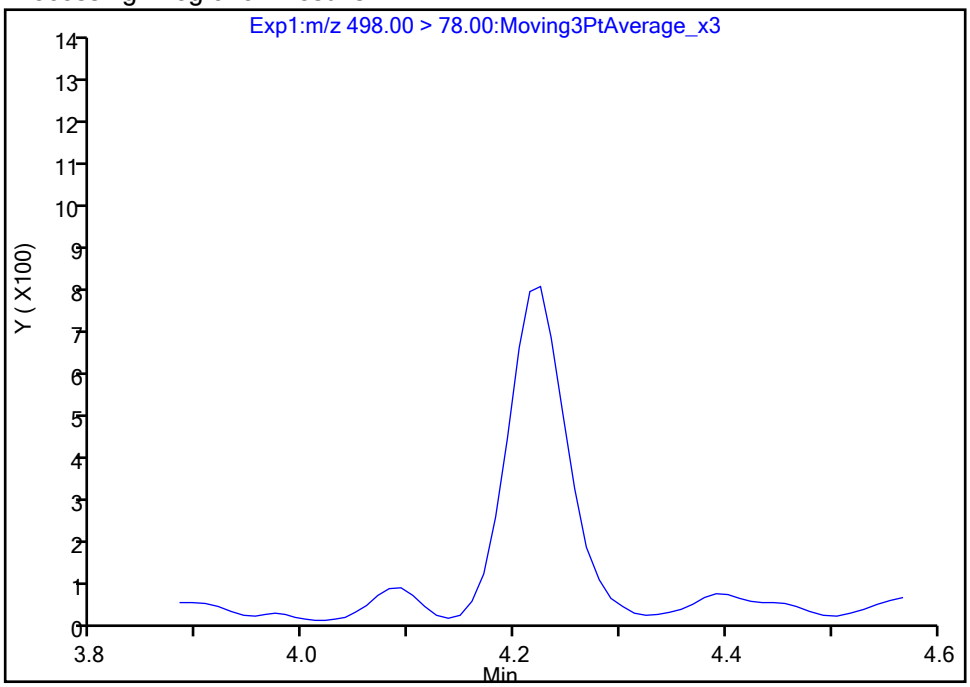
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B15.d				
Injection Date:	03-Mar-2021 20:54:12	Instrument ID:	LC812		
Lims ID:	480-181441-A-6-A	Lab Sample ID:	200-181441-6		
Client ID:	DUP-1-022321				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

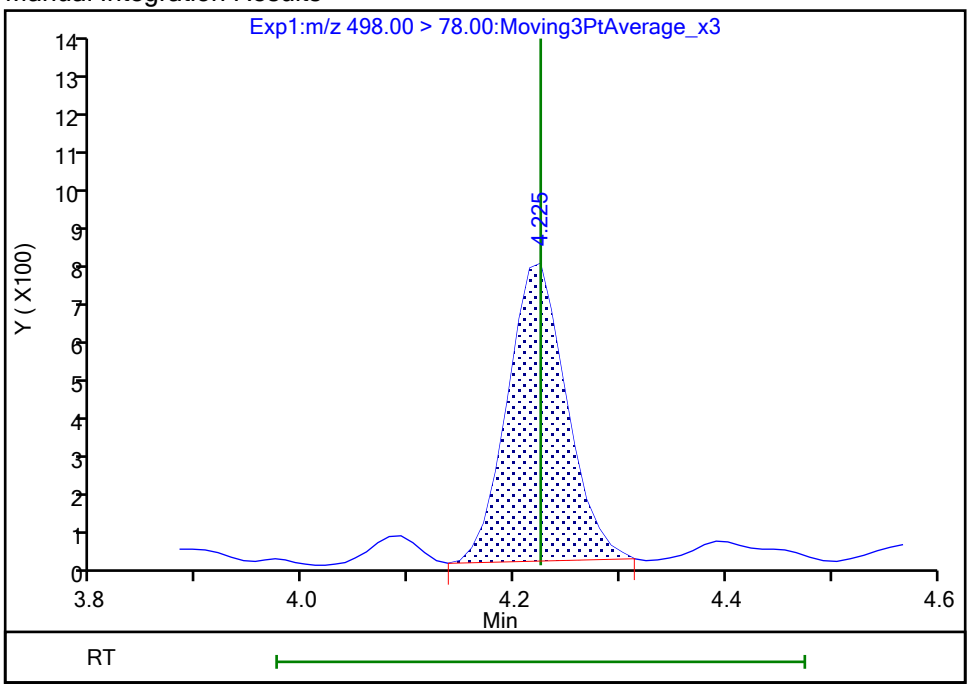
Not Detected
Expected RT: 4.22

Processing Integration Results



Manual Integration Results

RT: 4.22
Area: 3015
Amount: 0.003358
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:26:05
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

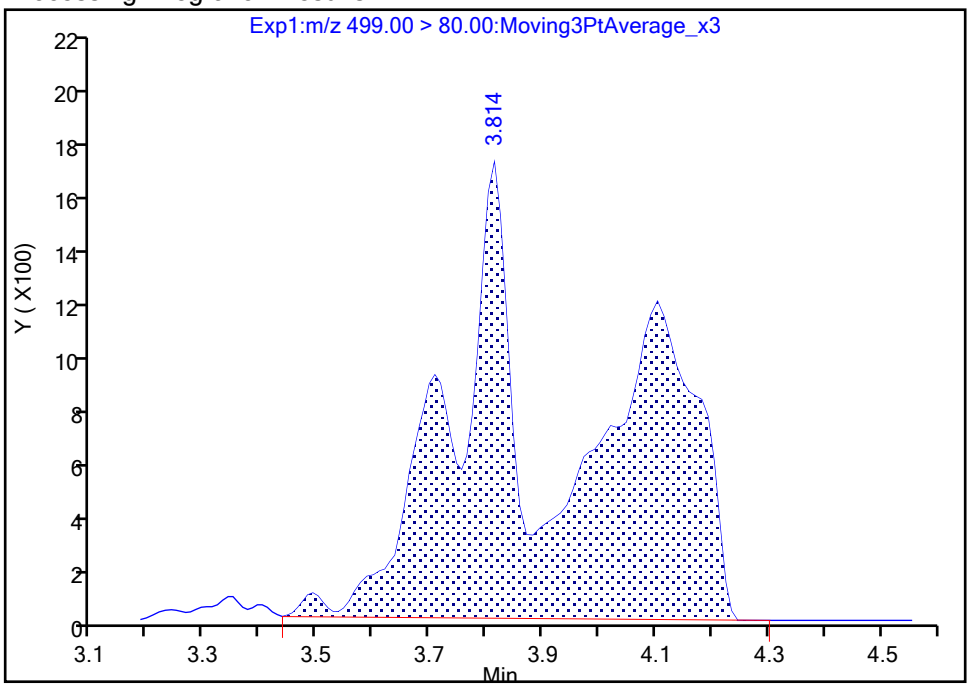
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B15.d				
Injection Date:	03-Mar-2021 20:54:12	Instrument ID:	LC812		
Lims ID:	480-181441-A-6-A	Lab Sample ID:	200-181441-6		
Client ID:	DUP-1-022321				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

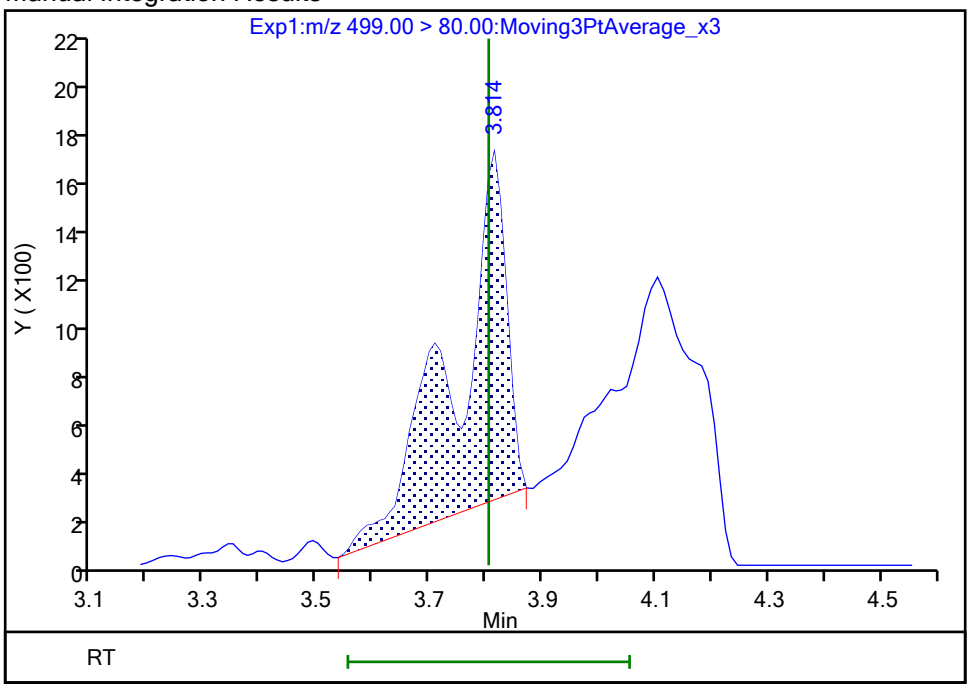
Processing Integration Results

RT: 3.81
Area: 26810
Amount: 0.045413
Amount Units: ng/ml



Manual Integration Results

RT: 3.81
Area: 8844
Amount: 0.014981
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:25:05
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

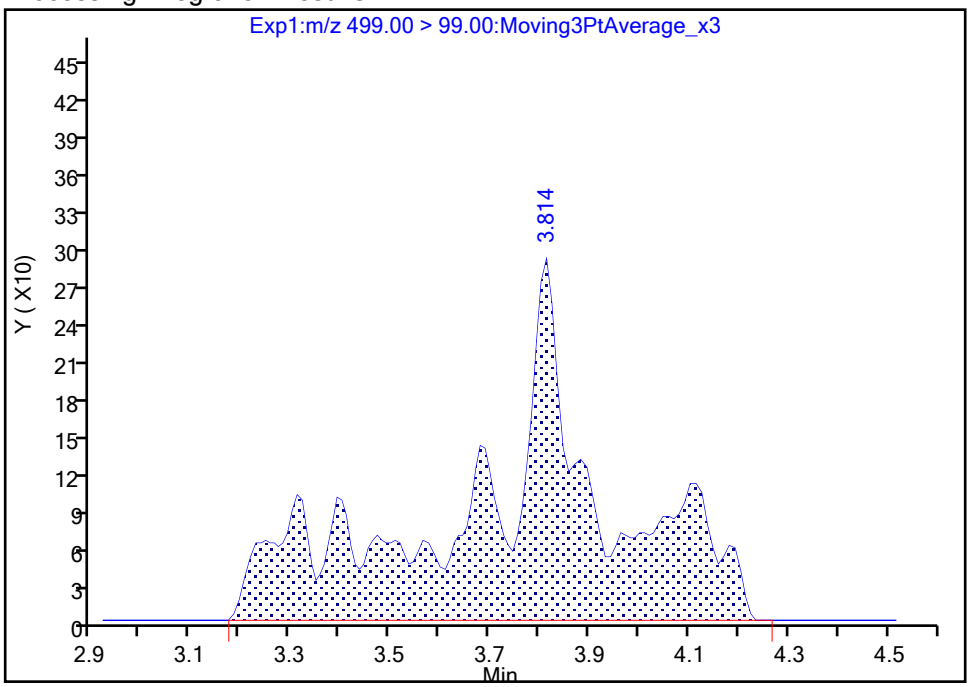
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B15.d				
Injection Date:	03-Mar-2021 20:54:12	Instrument ID:	LC812		
Lims ID:	480-181441-A-6-A	Lab Sample ID:	200-181441-6		
Client ID:	DUP-1-022321				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

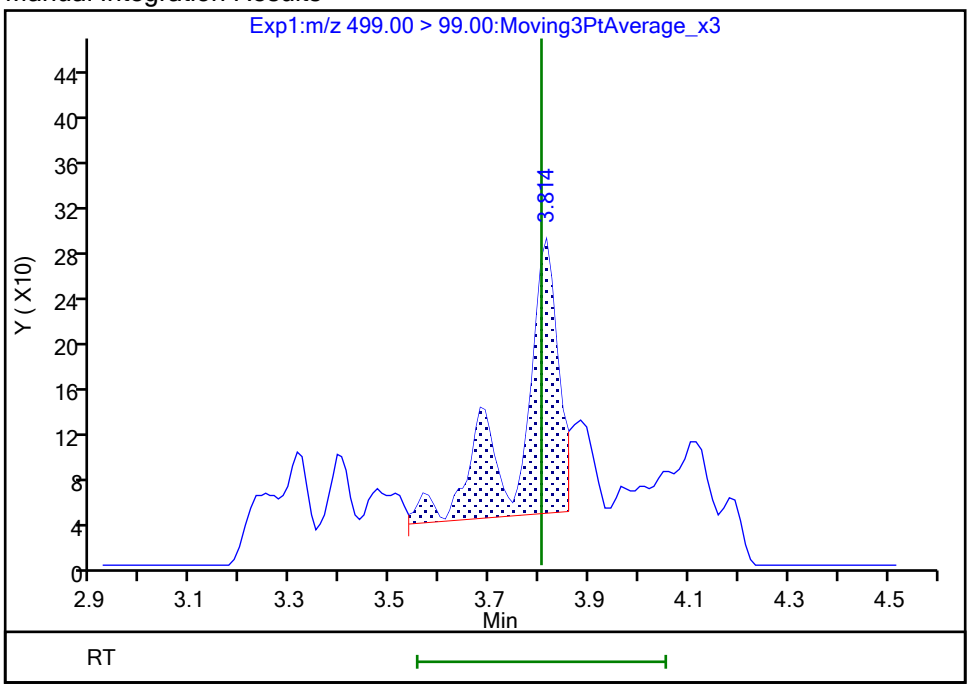
Processing Integration Results

RT: 3.81
Area: 4969
Amount: 0.045413
Amount Units: ng/ml



Manual Integration Results

RT: 3.81
Area: 1270
Amount: 0.014981
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:25:28

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

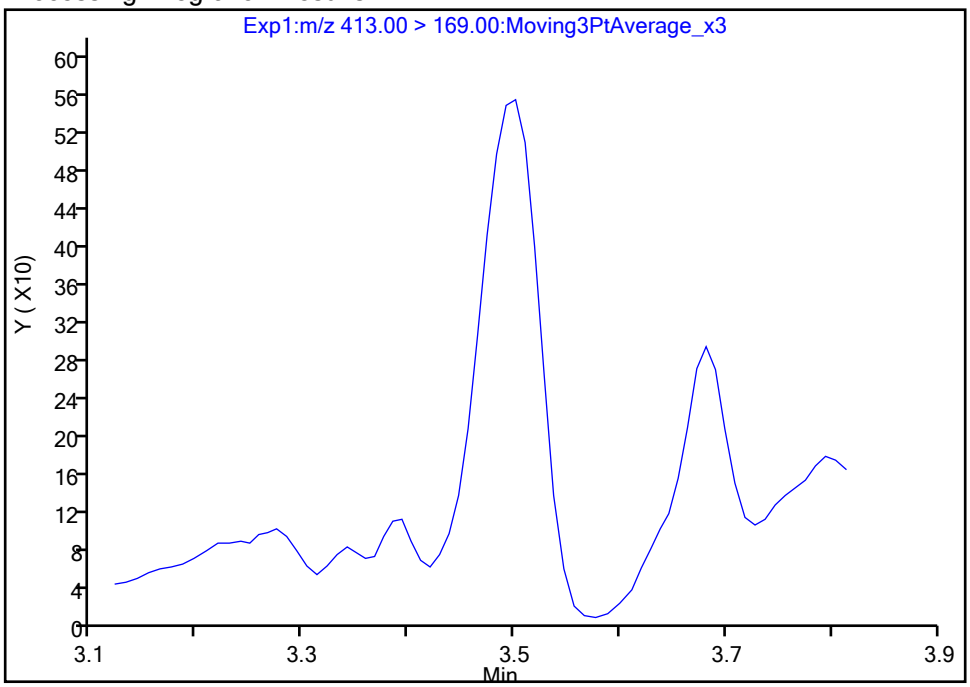
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B15.d				
Injection Date:	03-Mar-2021 20:54:12	Instrument ID:	LC812		
Lims ID:	480-181441-A-6-A	Lab Sample ID:	200-181441-6		
Client ID:	DUP-1-022321				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

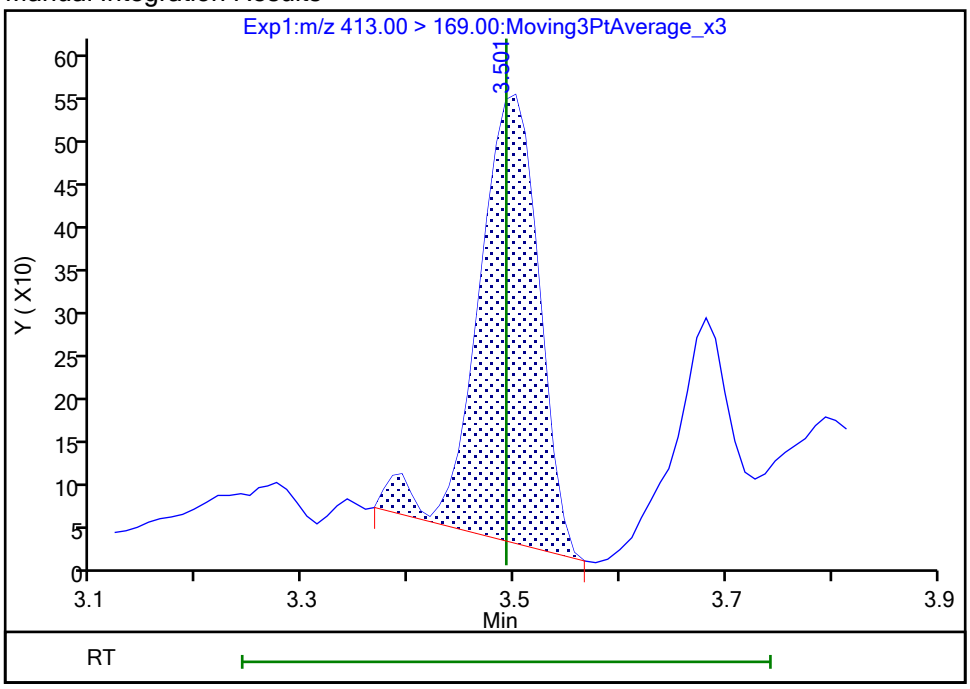
Not Detected
Expected RT: 3.49

Processing Integration Results



Manual Integration Results

RT: 3.50
Area: 2082
Amount: 0.007392
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:24:55
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

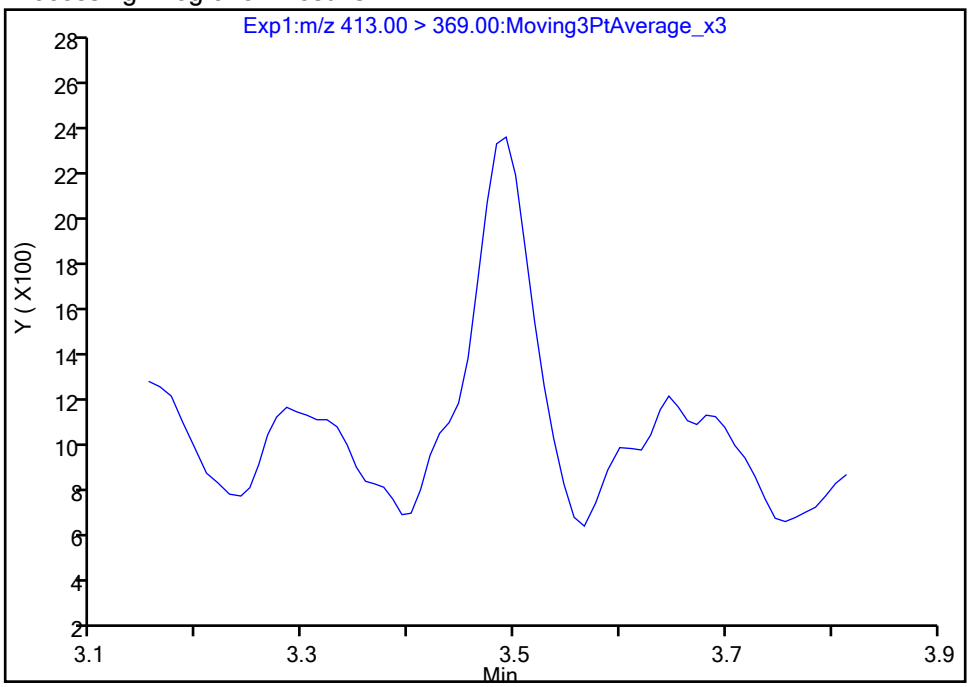
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B15.d				
Injection Date:	03-Mar-2021 20:54:12	Instrument ID:	LC812		
Lims ID:	480-181441-A-6-A	Lab Sample ID:	200-181441-6		
Client ID:	DUP-1-022321				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

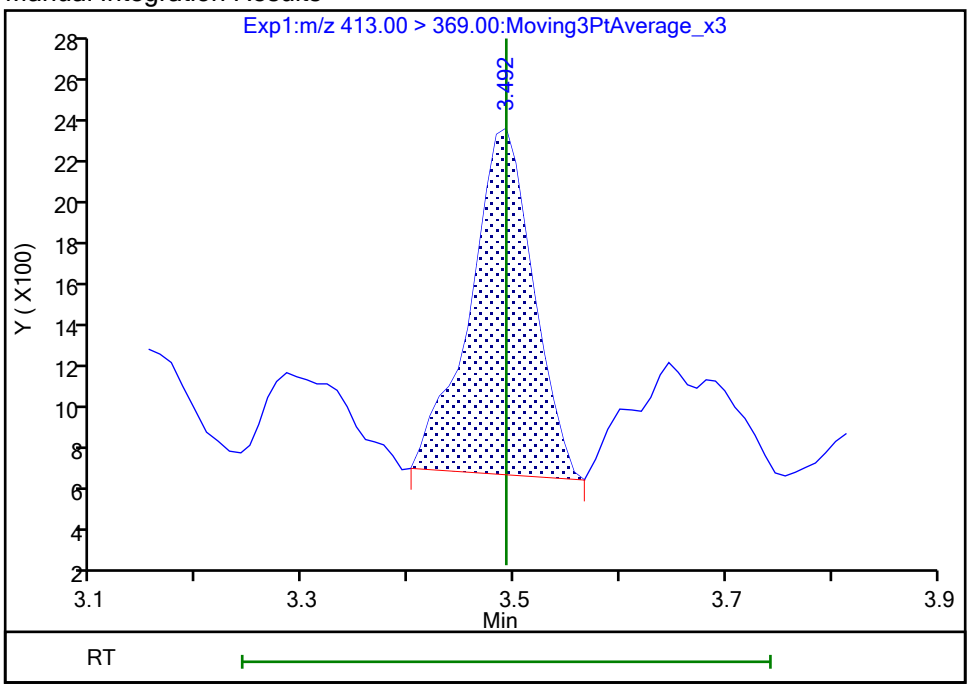
Not Detected
Expected RT: 3.49

Processing Integration Results



Manual Integration Results

RT: 3.49
Area: 6660
Amount: 0.007392
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:24:57
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

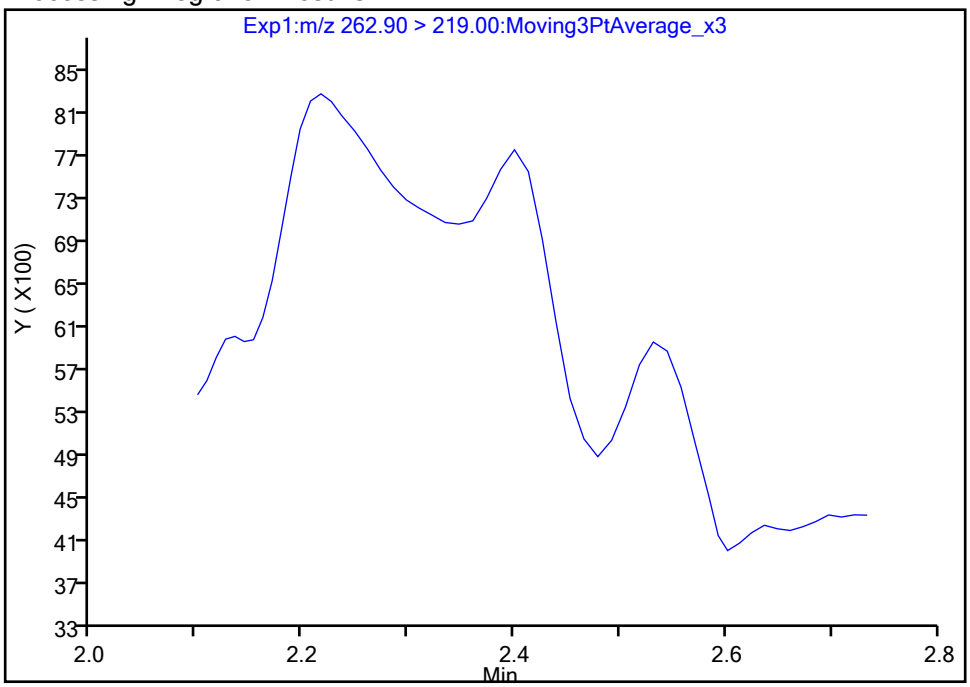
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B15.d				
Injection Date:	03-Mar-2021 20:54:12	Instrument ID:	LC812		
Lims ID:	480-181441-A-6-A	Lab Sample ID:	200-181441-6		
Client ID:	DUP-1-022321				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

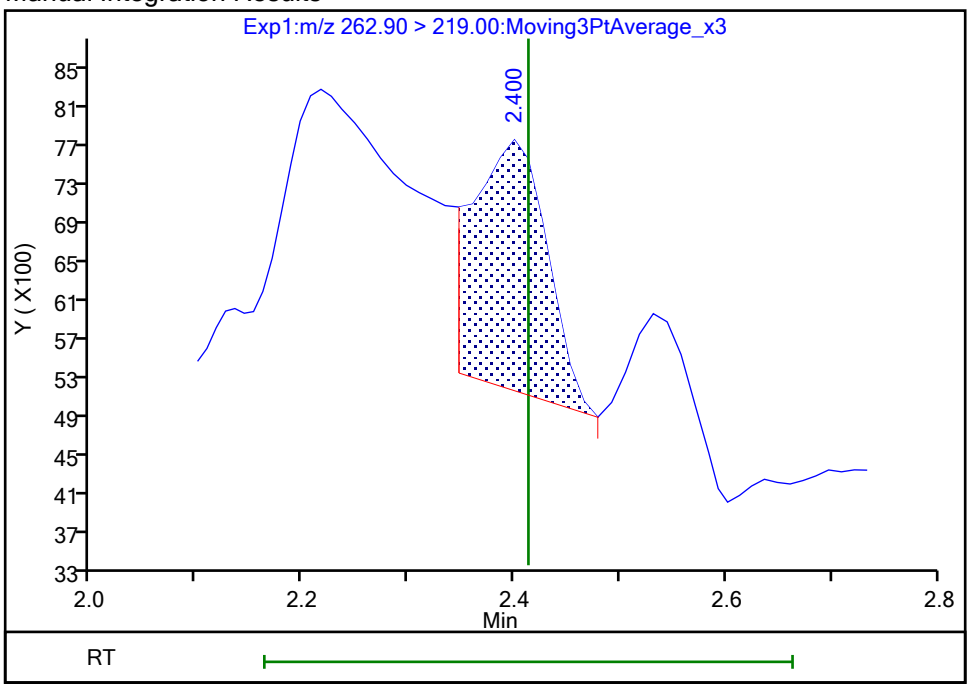
Not Detected
Expected RT: 2.41

Processing Integration Results



Manual Integration Results

RT: 2.40
Area: 12148
Amount: 0.013095
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:23:20
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

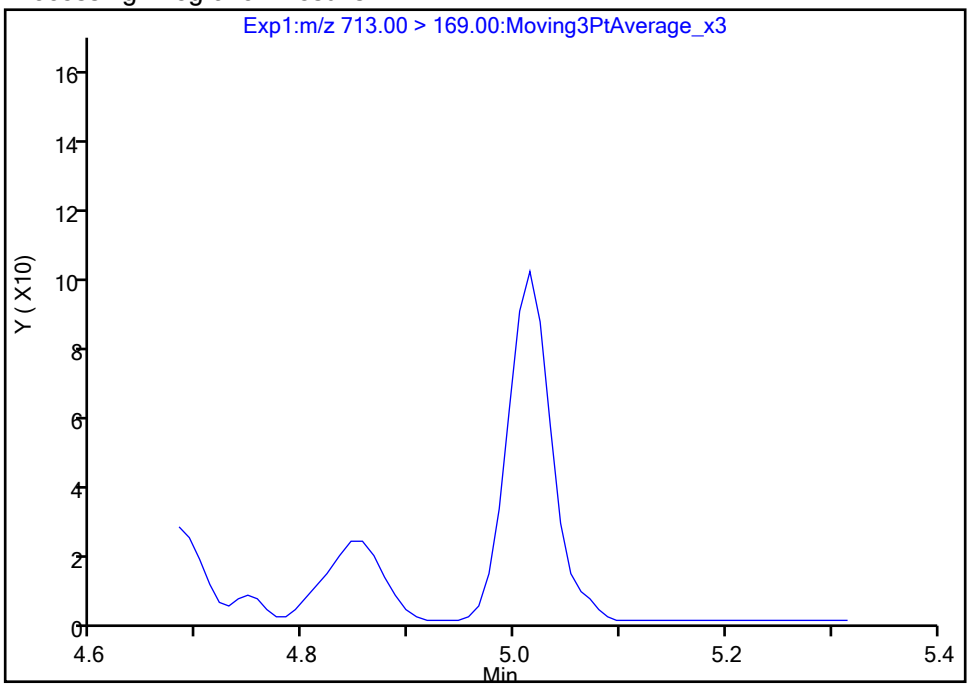
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B15.d				
Injection Date:	03-Mar-2021 20:54:12	Instrument ID:	LC812		
Lims ID:	480-181441-A-6-A	Lab Sample ID:	200-181441-6		
Client ID:	DUP-1-022321				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

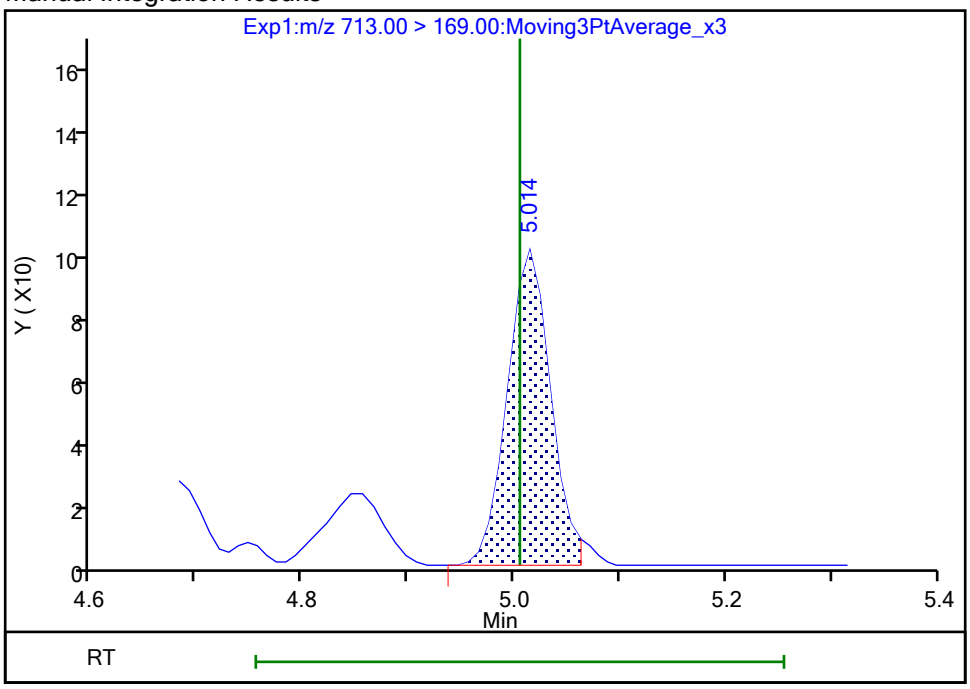
Not Detected
Expected RT: 5.00

Processing Integration Results



Manual Integration Results

RT: 5.01
Area: 274
Amount: 0.004392
Amount Units: ng/ml



Reviewer: deannd, 04-Mar-2021 10:02:02
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

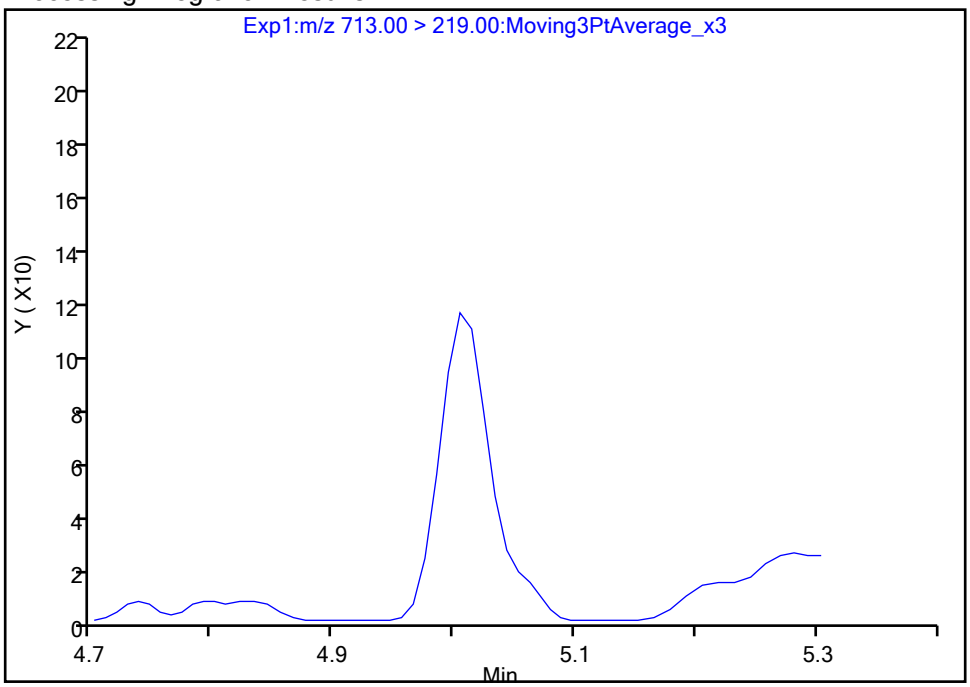
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B15.d				
Injection Date:	03-Mar-2021 20:54:12	Instrument ID:	LC812		
Lims ID:	480-181441-A-6-A	Lab Sample ID:	200-181441-6		
Client ID:	DUP-1-022321				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

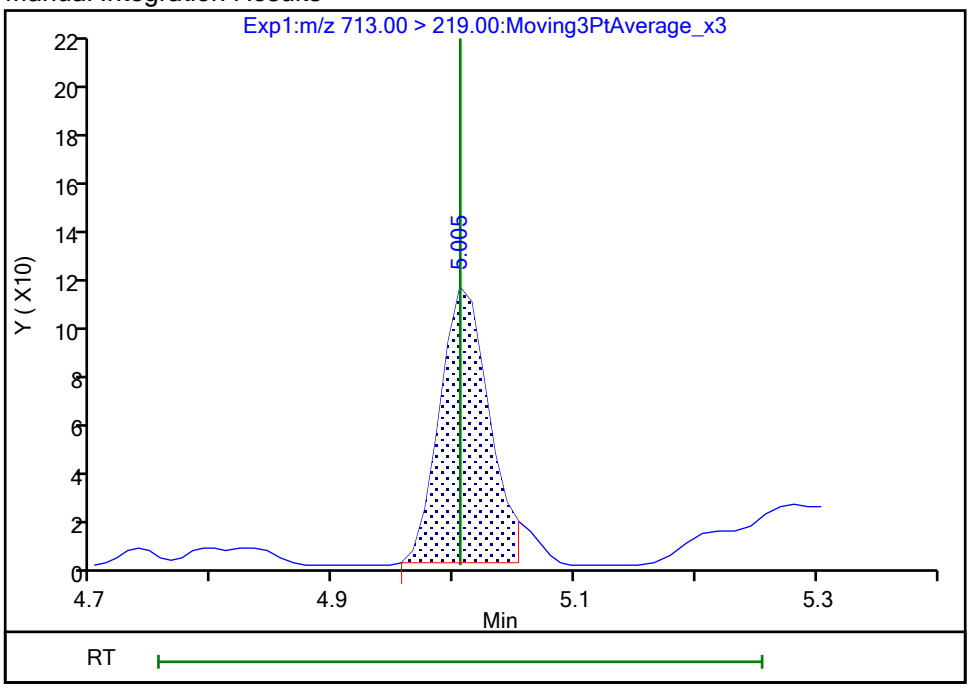
Not Detected
Expected RT: 5.00

Processing Integration Results



Manual Integration Results

RT: 5.00
Area: 317
Amount: 0.004392
Amount Units: ng/ml



Reviewer: deannd, 04-Mar-2021 10:02:05
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

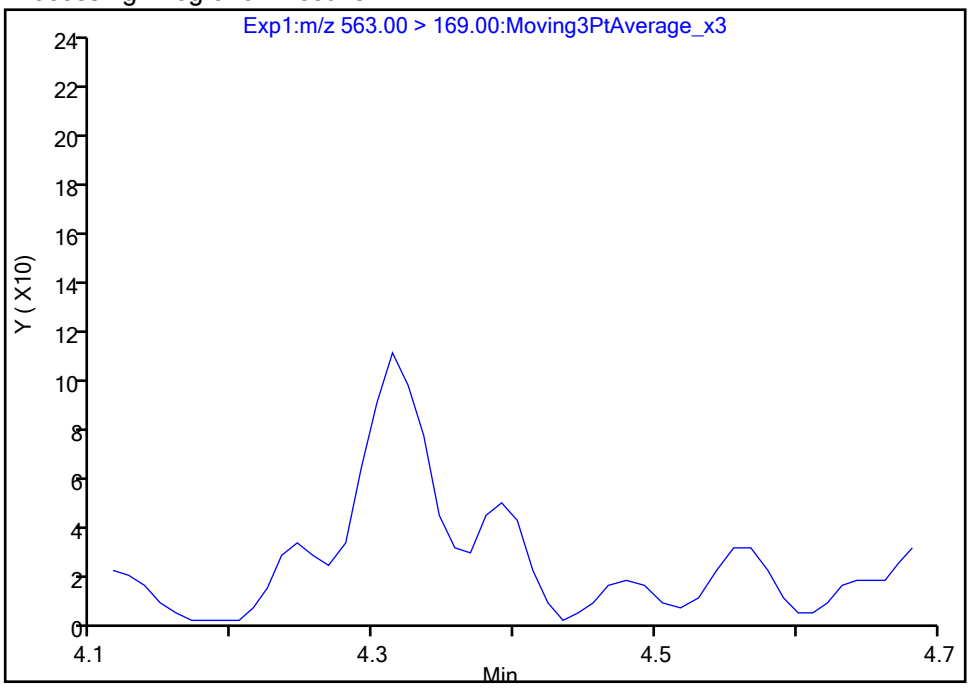
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B15.d				
Injection Date:	03-Mar-2021 20:54:12	Instrument ID:	LC812		
Lims ID:	480-181441-A-6-A	Lab Sample ID:	200-181441-6		
Client ID:	DUP-1-022321				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

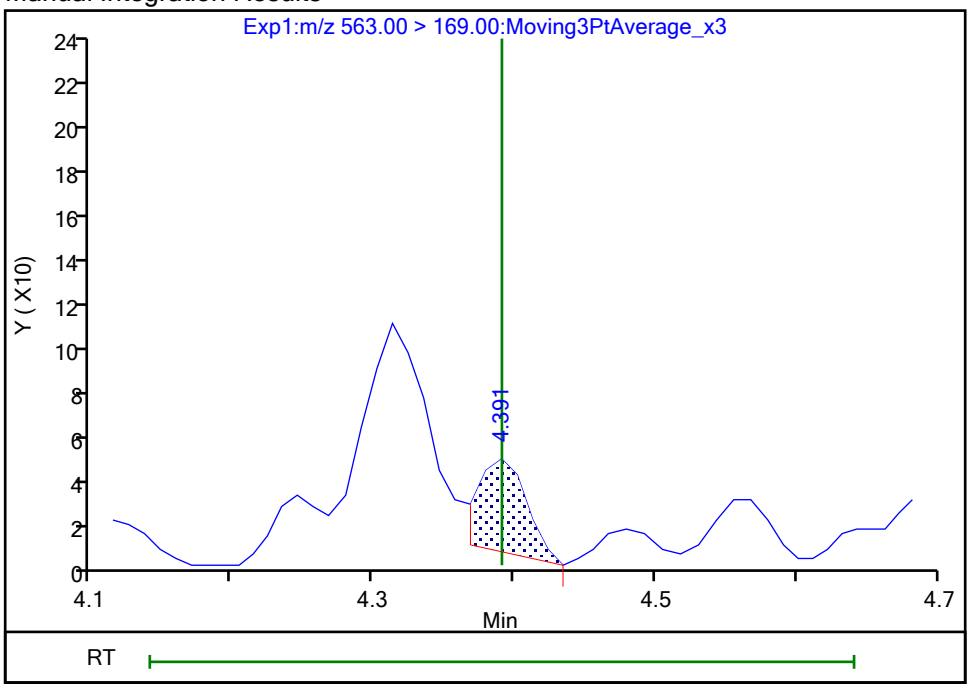
Not Detected
Expected RT: 4.39

Processing Integration Results



Manual Integration Results

RT: 4.39
Area: 94
Amount: 0.005588
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:26:35
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

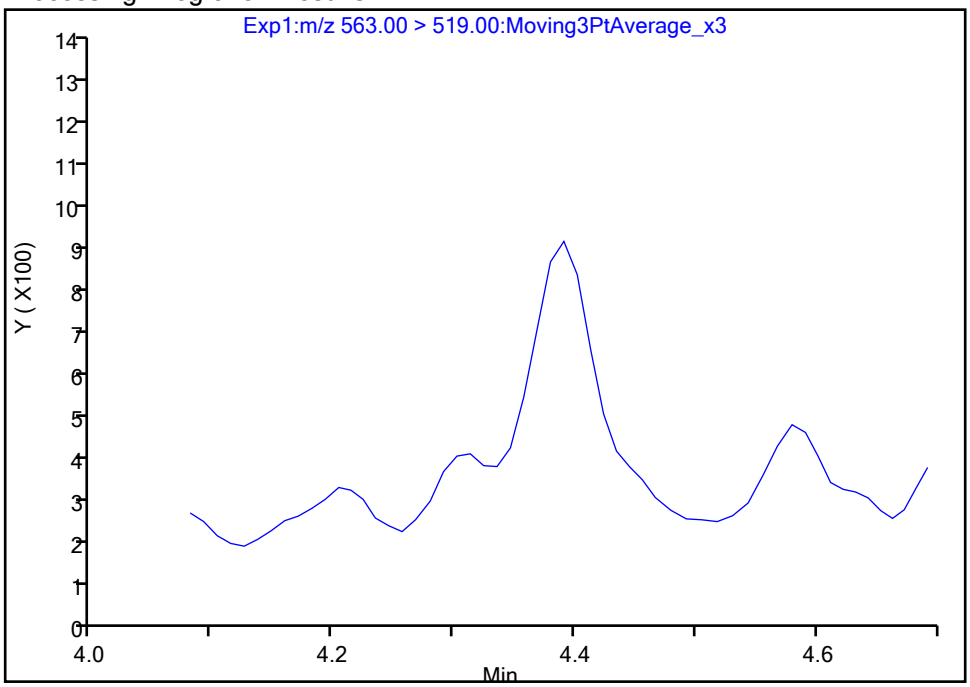
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B15.d				
Injection Date:	03-Mar-2021 20:54:12	Instrument ID:	LC812		
Lims ID:	480-181441-A-6-A	Lab Sample ID:	200-181441-6		
Client ID:	DUP-1-022321				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

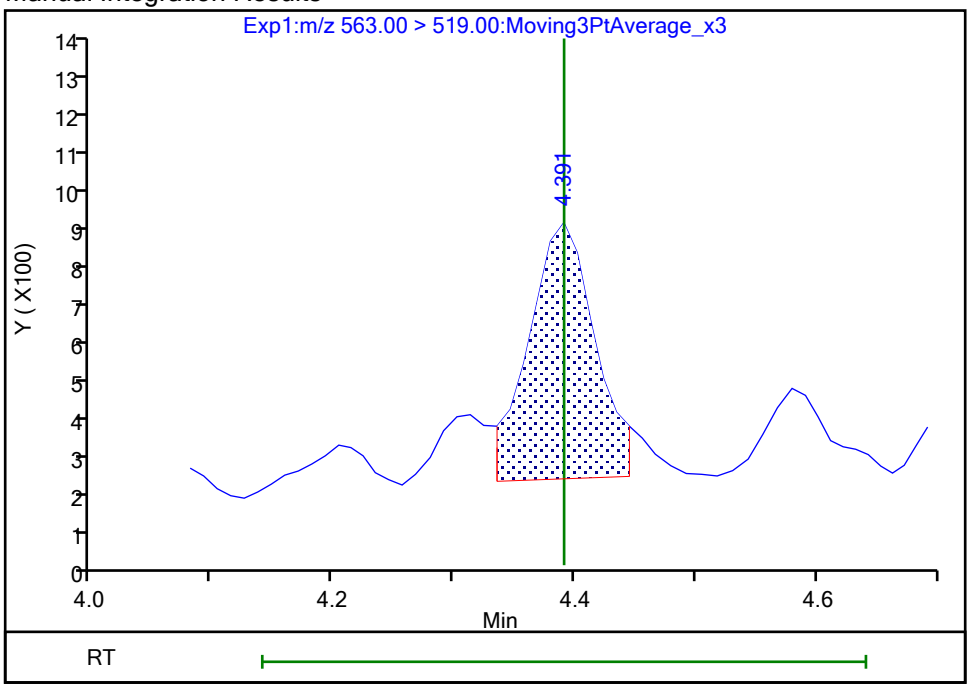
Not Detected
Expected RT: 4.39

Processing Integration Results



Manual Integration Results

RT: 4.39
Area: 2344
Amount: 0.005588
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:26:37
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Client Sample ID: MW-1S-022221 Lab Sample ID: 480-181441-7

Matrix: Water Lab File ID: PA210303B16.d

Analysis Method: 537 (modified) Date Collected: 02/22/2021 12:45

Extraction Method: 3535 Date Extracted: 03/03/2021 08:24

Sample wt/vol: 280.3(mL) Date Analyzed: 03/03/2021 21:02

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 164492 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
39108-34-4	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.8	0.59
27619-97-2	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	33		4.5	0.64
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.5	0.83
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.5	0.70
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		1.8	0.56
375-22-4	Perfluorobutanoic acid (PFBA)	ND		4.5	1.0
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.43
335-76-2	Perfluorodecanoic acid (PFDA)	ND		1.8	0.41
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		1.8	0.41
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8	0.35
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		1.8	0.41
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.60
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		1.8	0.74
375-95-1	Perfluorononanoic acid (PFNA)	ND		1.8	0.52
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.51
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		1.8	0.78
335-67-1	Perfluorooctanoic acid (PFOA)	ND		1.8	0.87
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		1.8	0.96
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		1.8	0.53
72629-94-8	Perfluorotridecanoic acid (PFTriA)	ND		1.8	0.38
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.65

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Client Sample ID: MW-1S-022221 Lab Sample ID: 480-181441-7

Matrix: Water Lab File ID: PA210303B16.d

Analysis Method: 537 (modified) Date Collected: 02/22/2021 12:45

Extraction Method: 3535 Date Extracted: 03/03/2021 08:24

Sample wt/vol: 280.3(mL) Date Analyzed: 03/03/2021 21:02

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 164492 Units: ng/L

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00996	13C2 PFDA	93		50-150
STL00998	13C2 PFDoA	82		50-150
STL00993	13C2 PFHxA	110		50-150
STL02116	13C2 PFTeDA	79		50-150
STL00997	13C2 PFUnA	83		50-150
STL02337	13C3 PFBS	110		50-150
STL00992	13C4 PFBA	88		25-150
STL01892	13C4 PFHpA	110		50-150
STL00990	13C4 PFOA	105		50-150
STL00991	13C4 PFOS	107		50-150
STL00995	13C5 PFNA	98		50-150
STL01893	13C5 PFPeA	109		25-150
STL01056	13C8 FOSA	93		25-150
STL00994	18O2 PFHxS	108		50-150
STL02118	d3-NMeFOSAA	78		50-150
STL02117	d5-NEtFOSAA	79		50-150
STL02279	M2-6:2 FTS	109		25-150
STL02280	M2-8:2 FTS	98		25-150

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B16.d
Lims ID: 480-181441-A-7-A
Client ID: MW-1S-022221
Sample Type: Client
Inject. Date: 03-Mar-2021 21:02:31 ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: 480-181441-A-7-A
Misc. Info.: 200-0045034-016 Plate: 1 Rack: 2
Operator ID: lc812tech Instrument ID: LC812

Method: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 04-Mar-2021 11:31:15 Calib Date: 22-Dec-2020 13:29:37
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1647

First Level Reviewer: khanphomeea Date: 04-Mar-2021 15:30:48
Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.082	2.091	-0.009	0.596	1171124	1.10		88.3	8274	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.082	2.091	-0.009	1.000	8464	0.009016			1.7	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.400	2.413	-0.013	0.687	1041084	1.36		109	3084	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.400	2.413	-0.013	1.000	7693	0.008342			0.3	M
D 47 13C3 PFBS										
301.90 > 80.00	2.426	2.439	-0.013	0.695	1291154	1.28		110	120180	
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.426	2.439	-0.013	1.000	3052	0.002429	Target=2.21		1.2	
298.90 > 99.00	2.439	2.439	0.0	1.005	1376		2.22(1.11-3.32)		0.8	
D 7 13C2 PFHxA										
315.00 > 270.00	2.758	2.770	-0.012	0.790	1104908	1.37		110	2871	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.770	2.770	0.0	1.004	17569	0.0182	Target=12.83		3.5	M
313.00 > 119.00	2.770	2.770	0.0	1.004	2021		8.69(6.42-19.25)		3.6	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.132	3.132	0.0	1.000	5233	0.005477	Target=4.15		10.9	M
399.00 > 99.00	3.132	3.132	0.0	1.000	1852		2.83(2.08-6.23)		2.5	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.132	3.132	0.0	0.897	958723	1.28		108	2689	
D 9 13C4 PFHpA										
367.00 > 322.00	3.132	3.143	-0.011	0.897	1057861	1.37		110	3555	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.132	3.143	-0.011	1.000	4319	0.004673	Target=3.66		1.1	M
363.00 > 169.00	3.132	3.143	-0.011	1.000	1191		3.63(1.83-5.49)		2.9	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 12 M2-6:2 FTS										
429.00 > 81.00	3.483	3.483	0.0	0.997	120959	1.29		109	323	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.483	3.483	0.0	1.000	103302	0.9117			976	
D 14 13C4 PFOA										
417.00 > 372.00	3.492	3.492	0.0	1.000	1027066	1.31		105	5040	
* 62 13C2 PFOA										
415.00 > 370.00	3.492	3.492	0.0		987422	1.25			3652	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.501	3.492	0.009	1.003	4321	0.004852	Target=2.58		1.6	
413.00 > 169.00	3.501	3.492	0.009	1.003	2360		1.83(1.29-3.87)		6.7	M
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.804	3.804	0.0	1.000	4299	0.006767	Target=5.65		1.3	M
499.00 > 99.00	3.824	3.804	0.020	1.005	1242		3.46(2.82-8.47)		2.6	M
D 18 13C4 PFOS										
503.00 > 80.00	3.804	3.804	0.0	1.089	660132	1.28		107	1887	
D 19 13C5 PFNA										
468.00 > 423.00	3.824	3.825	-0.001	1.095	842667	1.22		97.8	2883	
20 Perfluorononanoic acid										M
463.00 > 419.00	3.836	3.825	0.011	1.003	1310	0.001756	Target=7.44		0.3	M
463.00 > 169.00	3.814	3.825	-0.011	0.997	267		4.91(3.72-11.16)		3.6	M
D 23 13C2 PFDA										
515.00 > 470.00	4.126	4.126	0.0	1.182	762441	1.16		92.5	2589	
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.126	4.126	0.0	1.000	1538	0.002447	Target=9.29		1.4	M
513.00 > 169.00	4.126	4.126	0.0	1.000	284		5.42(4.64-13.93)		3.0	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.137	4.137	0.0	1.185	113184	1.17		97.7	422	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.148	4.137	0.011	1.003	605	0.009412			15.6	M
D 21 13C8 FOSA										
506.00 > 78.00	4.214	4.225	-0.011	1.207	1127593	1.16		93.1	3162	
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.214	4.225	-0.011	1.000	2286	0.002529			23.7	M
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.257	4.268	-0.011	1.219	46741	0.9774		78.2	612	
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.246	4.268	-0.022	0.997	86	0.002595			0.9	M
29 Perfluorodecanesulfonic acid										RM
599.00 > 80.00	4.358	4.358	0.0	1.146	449	0.001188	Target=2.80		2.9	RM
599.00 > 99.00	4.369	4.358	0.011	1.148	536		0.84(1.40-4.19)		2.7	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.380	4.391	-0.011	1.254	560654	1.04		82.8	2922	
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.391	4.402	-0.011	1.257	45706	0.9887		79.1	392	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.402	4.402	0.0	1.003	117	0.003457			2.2	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 36 13C2 PFDoA										
615.00 > 570.00	4.601	4.612	-0.011	1.318	583686	1.02		81.7	3813	
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.612	4.612	0.0	1.002	3068	0.005974	Target=6.91		1.2	M
613.00 > 169.00	4.601	4.612	-0.011	1.000	337		9.10(3.45-10.36)		6.8	M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.792	4.823	-0.031	1.042	799	0.001917	Target=4.39		0.6	M
663.00 > 169.00	4.810	4.823	-0.013	1.045	220		3.63(2.20-6.59)		5.4	M
D 43 13C2 PFTeDA										
715.00 > 670.00	5.005	5.005	0.0	1.433	417963	0.9885		79.1	2074	
42 Perfluorotetradecanoic acid										RM
713.00 > 169.00	5.024	5.005	0.019	1.004	93	0.001500	Target=1.06		3.9	RM
713.00 > 219.00	5.005	5.005	0.0	1.000	287		0.32(0.53-1.59)		12.8	M

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Report Date: 04-Mar-2021 11:31:19 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B16.d

Injection Date: 03-Mar-2021 21:02:31 Instrument ID: LC812

Lims ID: 480-181441-A-7-A Lab Sample ID: 200-181441-7

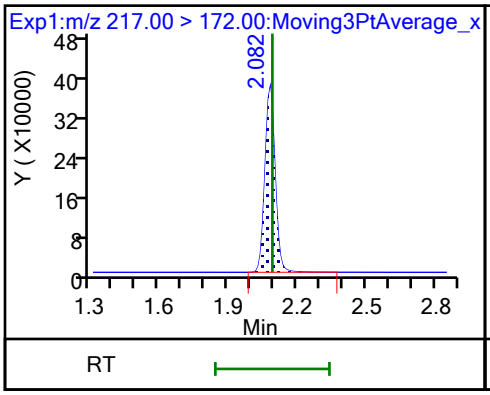
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Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 16

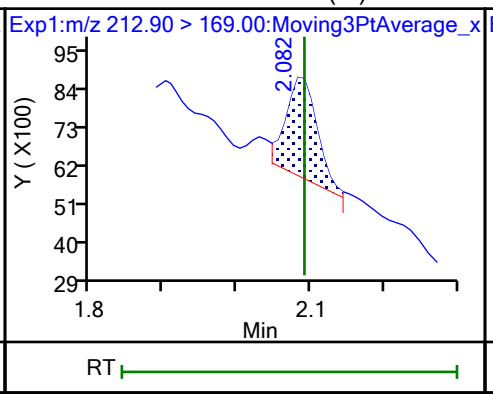
Injection Vol: 20.0 ul Dil. Factor: 1.0000

Method: PFC_LC812 Limit Group: LC_PFC_ICAL

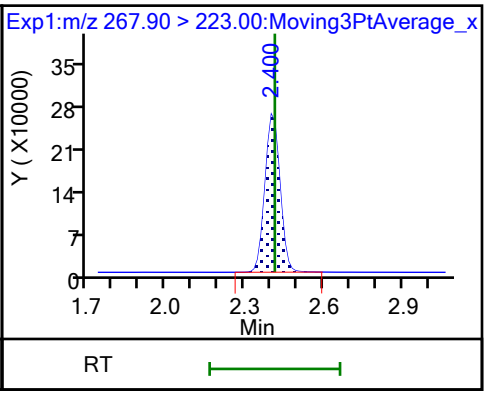
D 1 13C4 PFBA



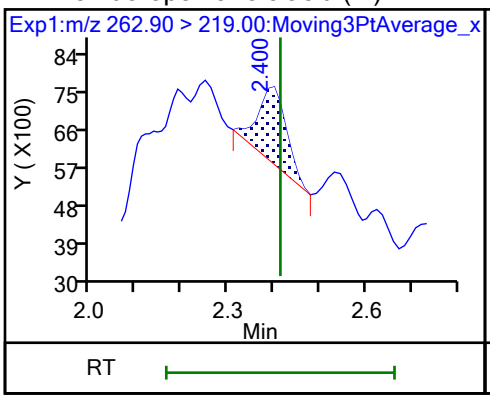
2 Perfluorobutanoic acid (M)



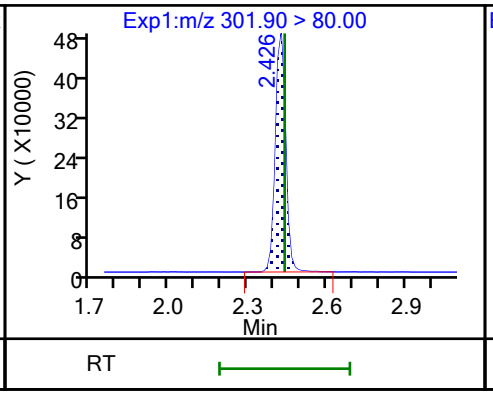
D 3 13C5 PFPeA



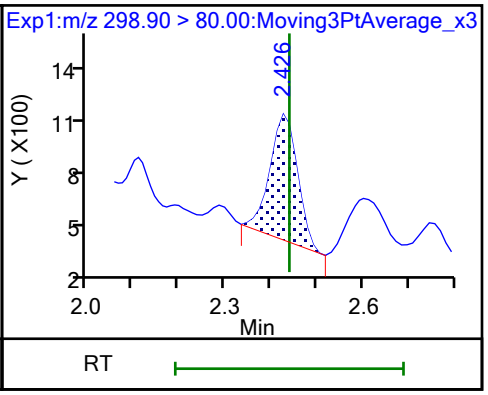
4 Perfluoropentanoic acid (M)



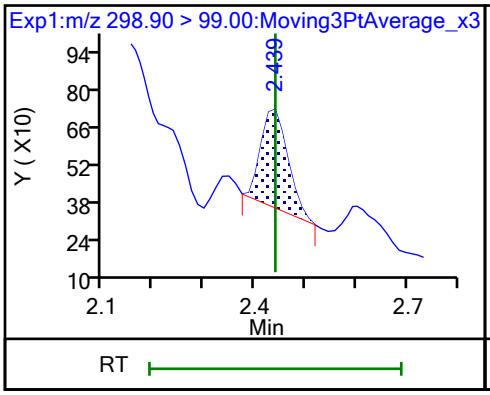
D 47 13C3 PFBS



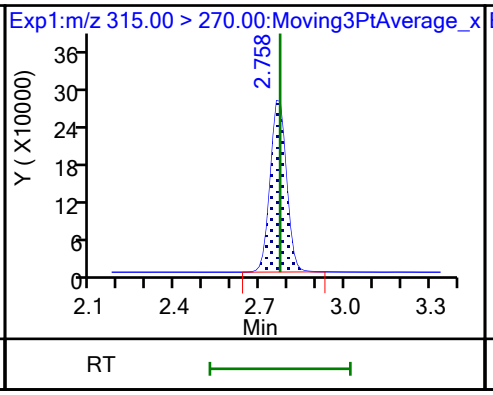
5 Perfluorobutanesulfonic acid



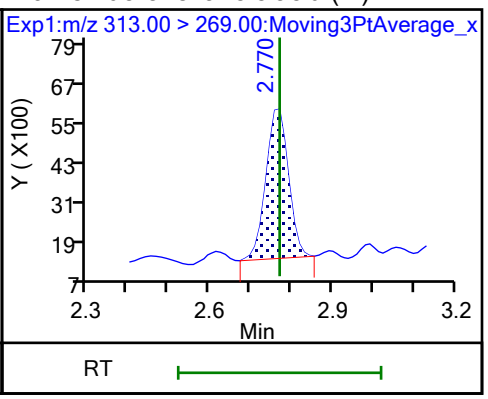
5 Perfluorobutanesulfonic acid



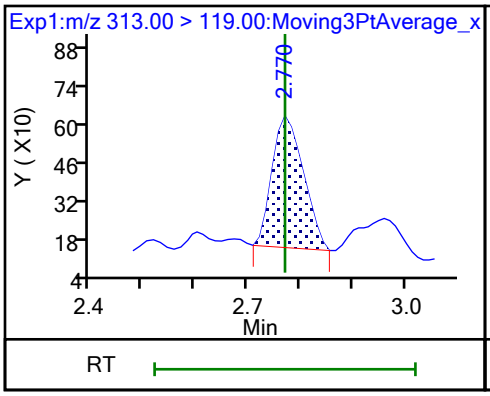
D 7 13C2 PFHxA



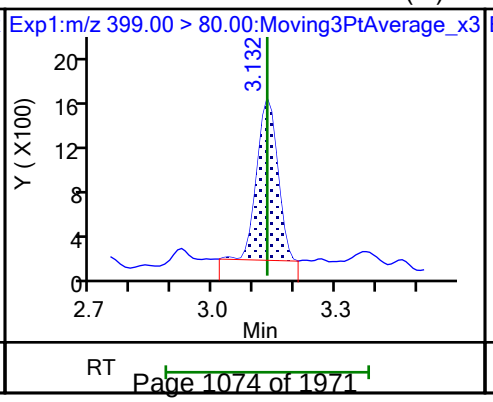
6 Perfluorohexanoic acid (M)



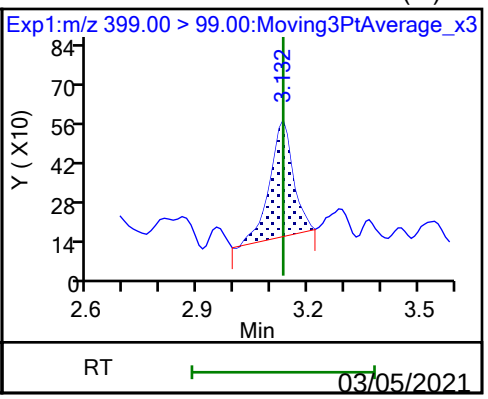
6 Perfluorohexanoic acid



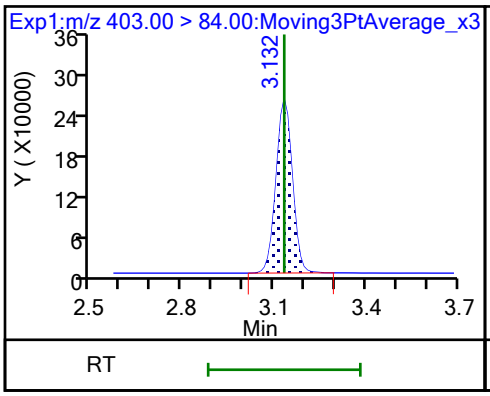
8 Perfluorohexanesulfonic acid (M)



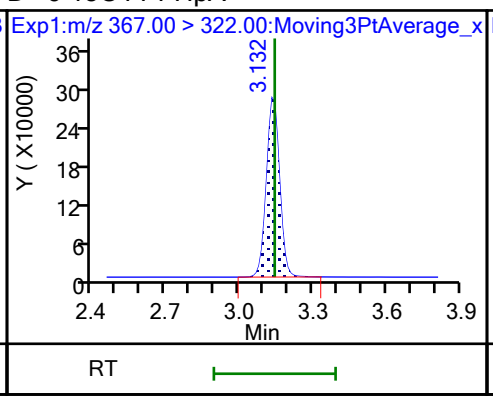
8 Perfluorohexanesulfonic acid (M)



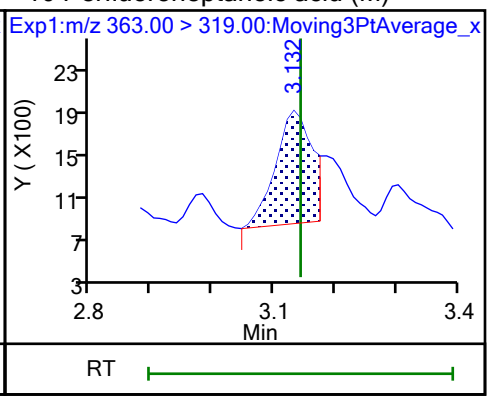
D 11 18O2 PFHxS



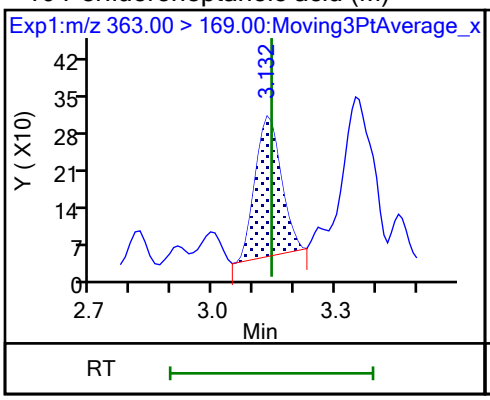
D 9 13C4 PFHpA



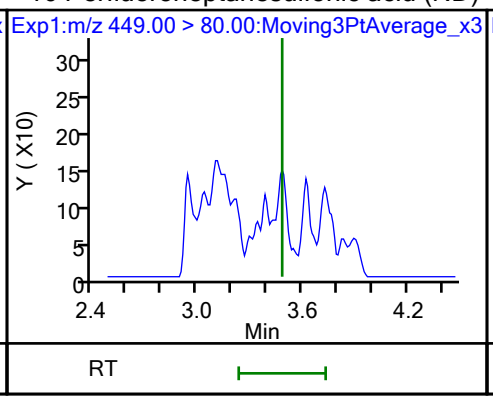
10 Perfluoroheptanoic acid (M)



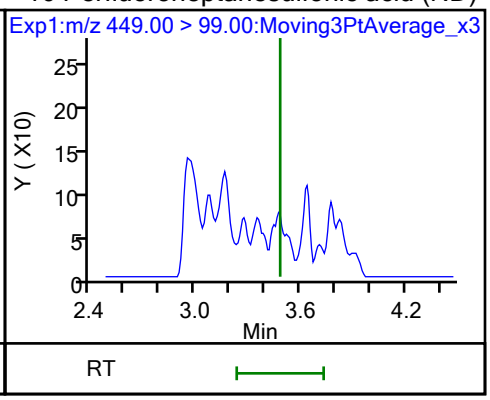
10 Perfluoroheptanoic acid (M)



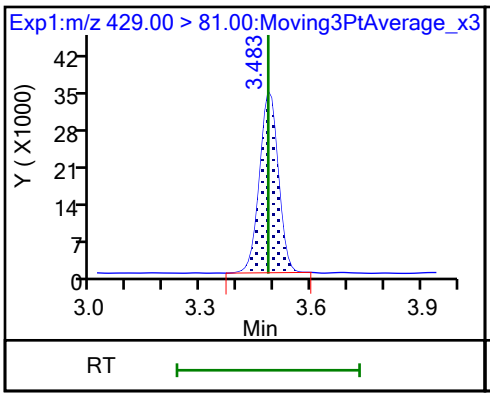
16 Perfluoroheptanesulfonic acid (ND)



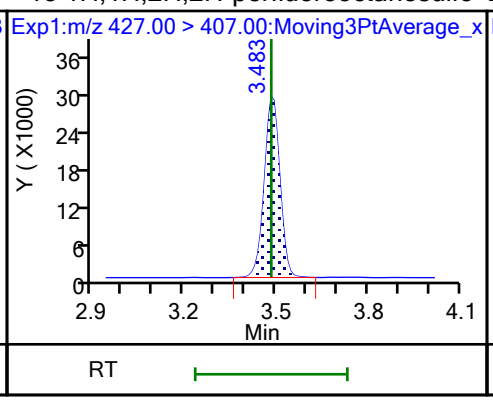
16 Perfluoroheptanesulfonic acid (ND)



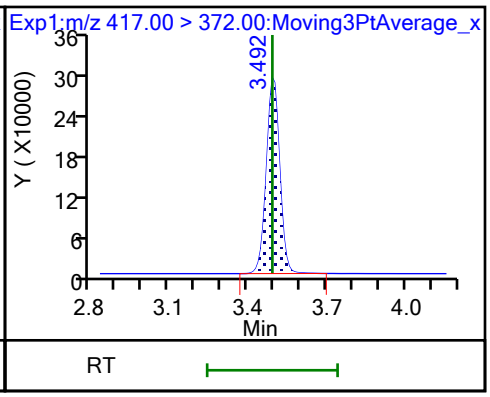
D 12 M2-6:2 FTS



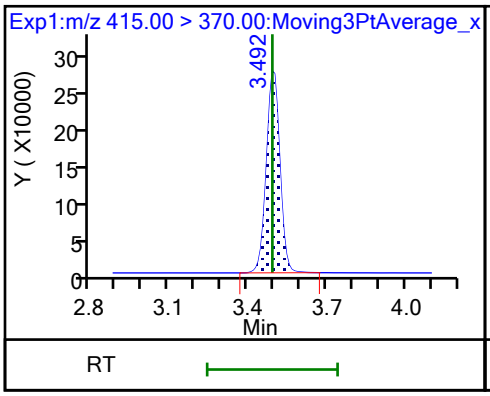
13 1H,1H,2H,2H-perfluorooctanesulfo



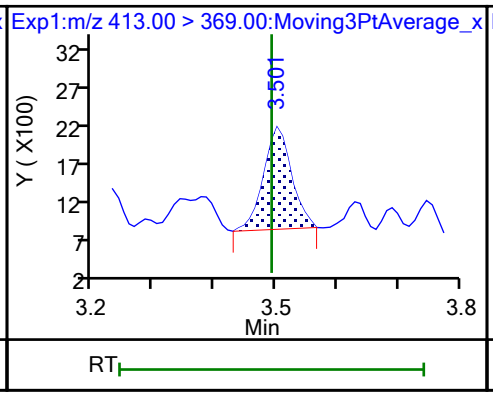
D 14 13C4 PFOA



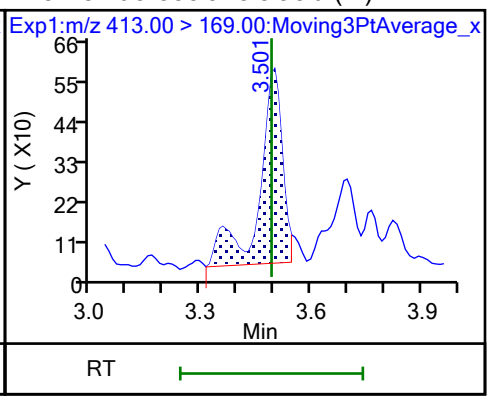
* 62 13C2 PFOA



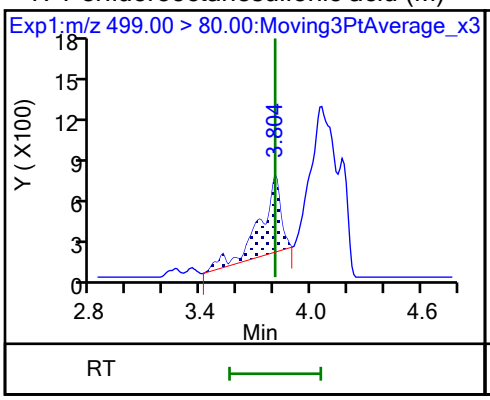
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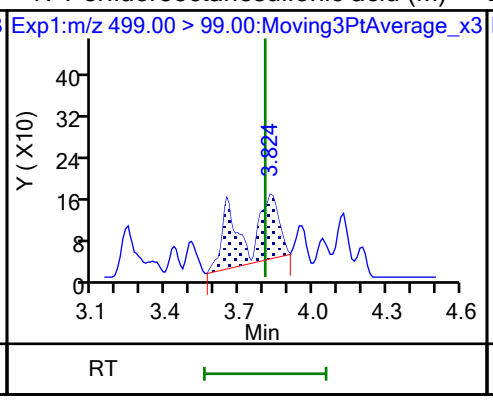
15 Perfluorooctanoic acid (M)



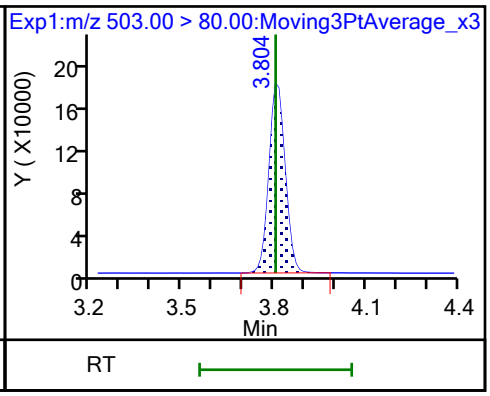
17 Perfluorooctanesulfonic acid (M)



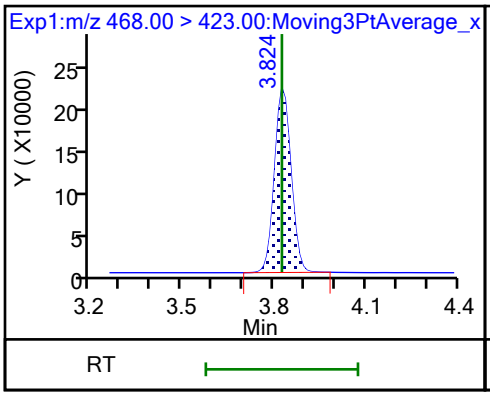
17 Perfluorooctanesulfonic acid (M)



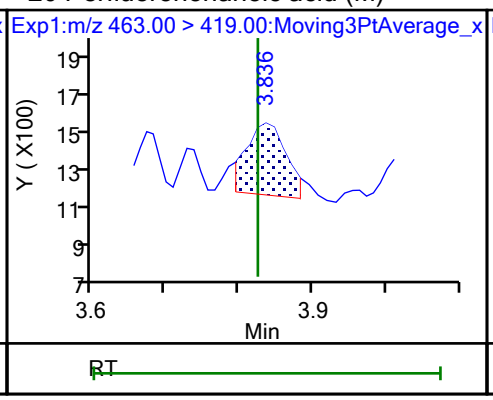
D 18 13C4 PFOS



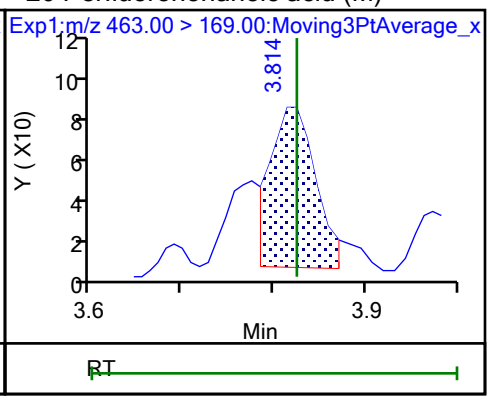
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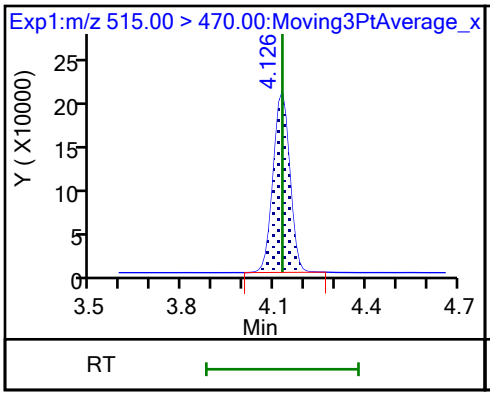
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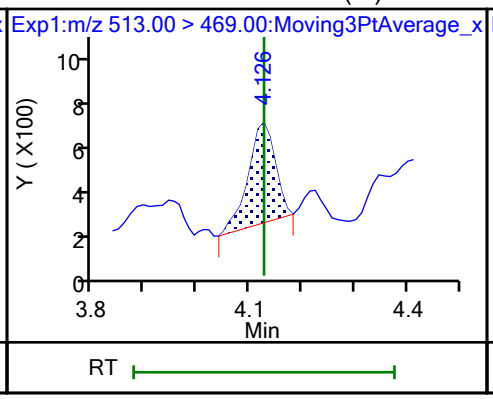
20 Perfluorononanoic acid (M)



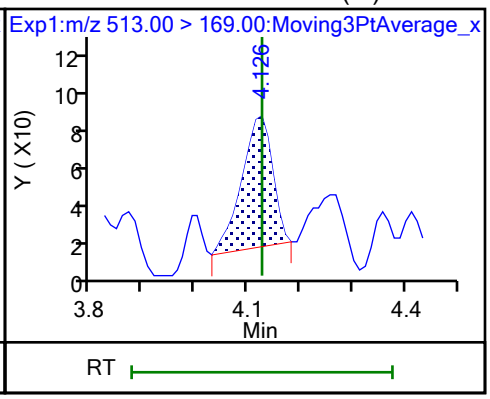
D 23 13C2 PFDA



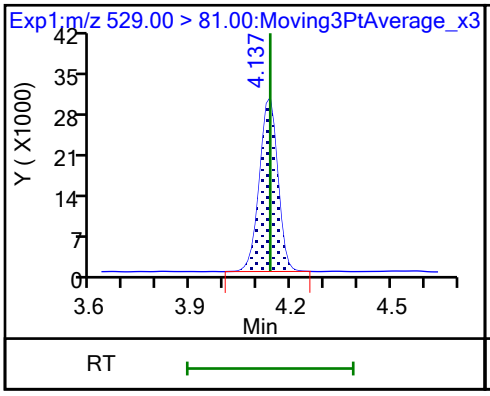
24 Perfluorodecanoic acid (M)



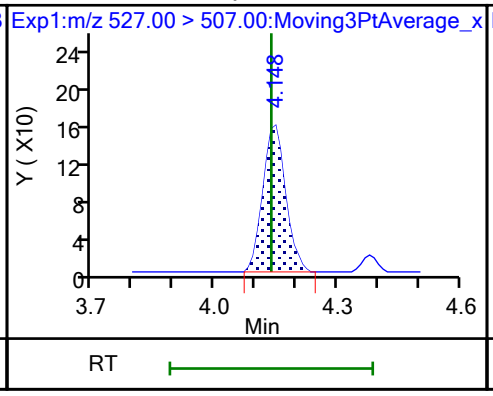
24 Perfluorodecanoic acid (M)



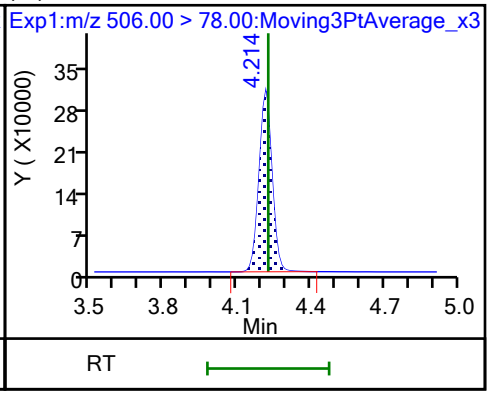
D 26 M2-8:2 FTS



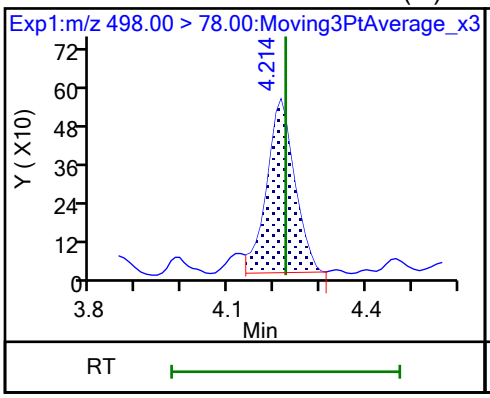
25 1H,1H,2H,2H-perfluorodecanesulfo



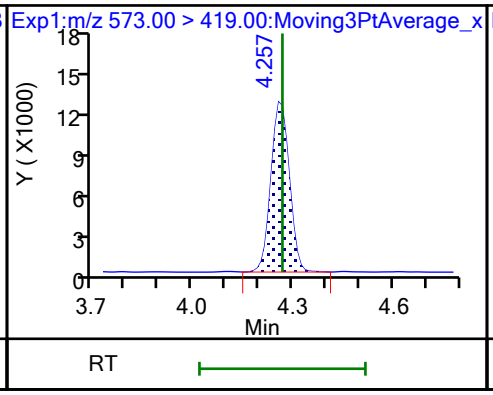
D 21 13C8 FOSA



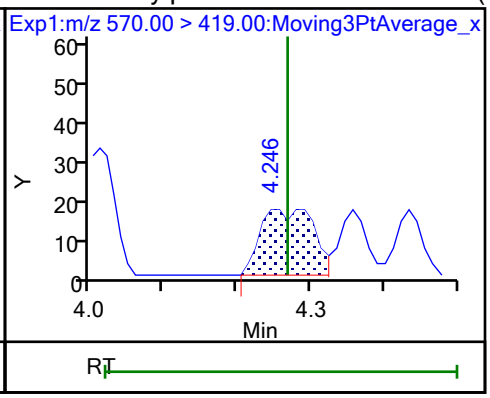
22 Perfluorooctanesulfonamide (M)



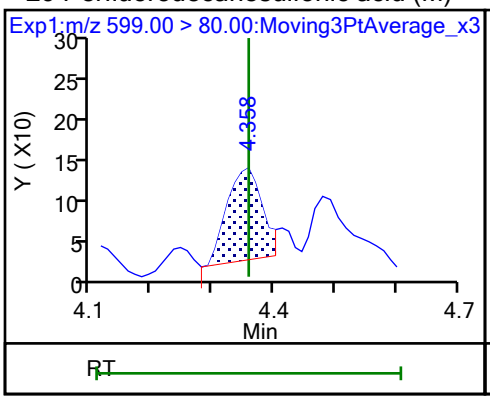
D 27 d3-NMeFOSAA



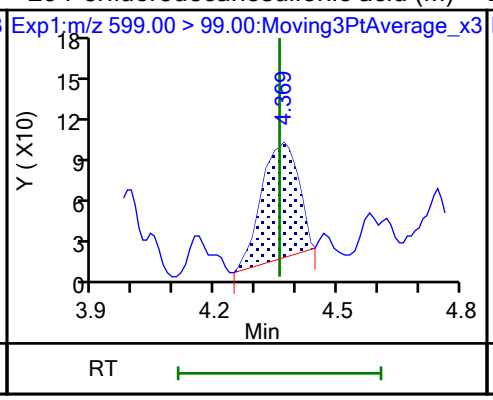
28 N-methylperfluorooctanesulfonami (M)



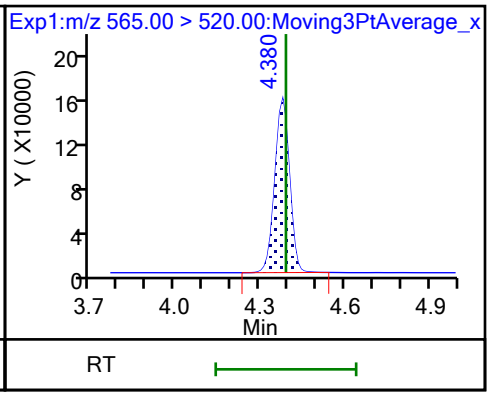
29 Perfluorodecanesulfonic acid (M)



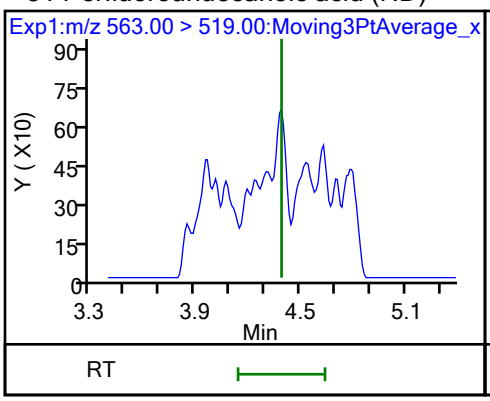
29 Perfluorodecanesulfonic acid (M)



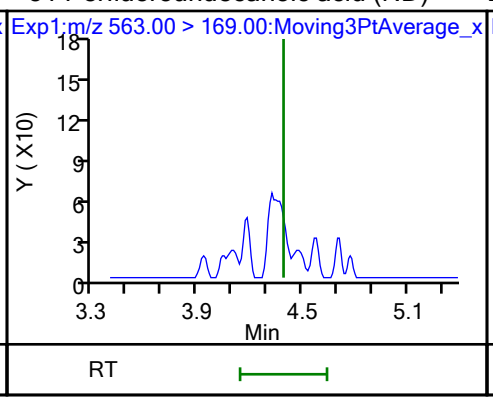
D 30 13C2 PFUnA



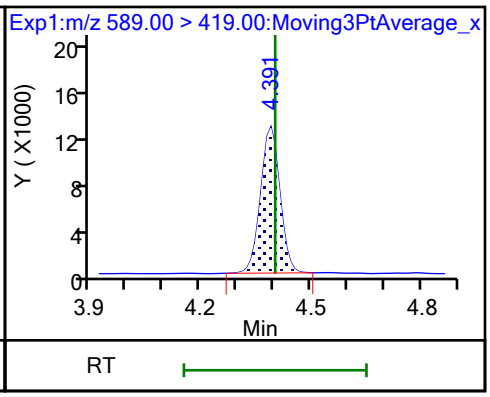
31 Perfluoroundecanoic acid (ND)



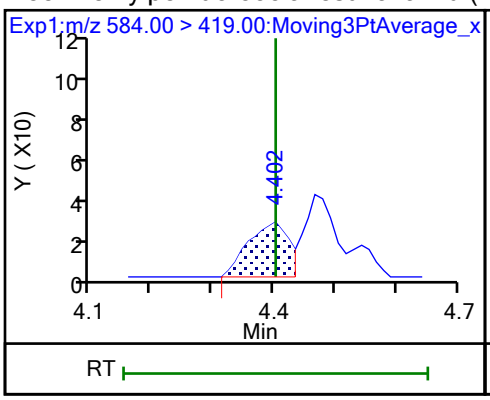
31 Perfluoroundecanoic acid (ND)



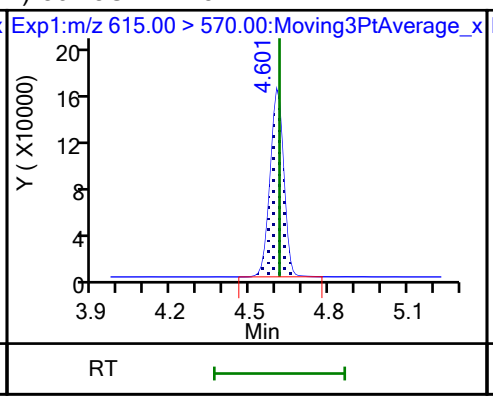
D 32 d5-NEtFOSAA



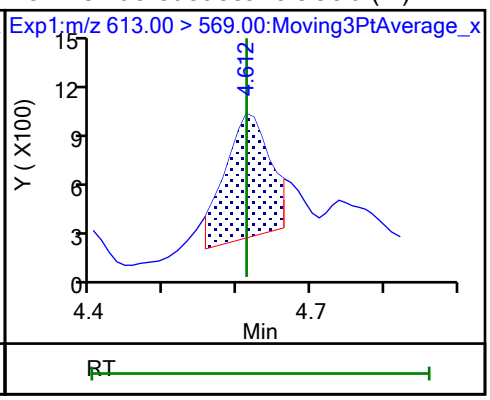
33 N-ethylperfluorooctanesulfonamid (ND)



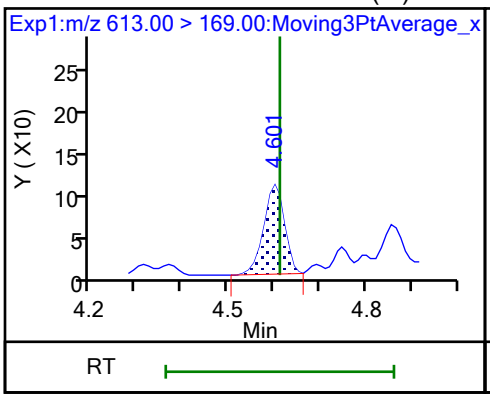
D 36 13C2 PFDoA



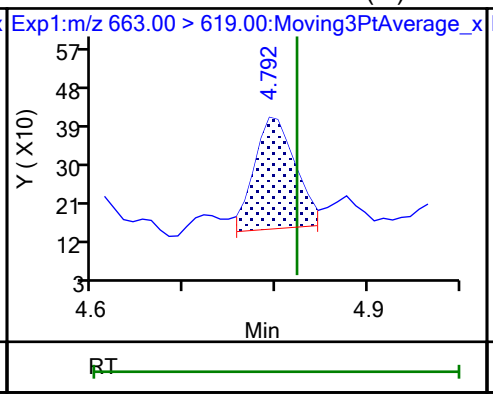
37 Perfluorododecanoic acid (M)



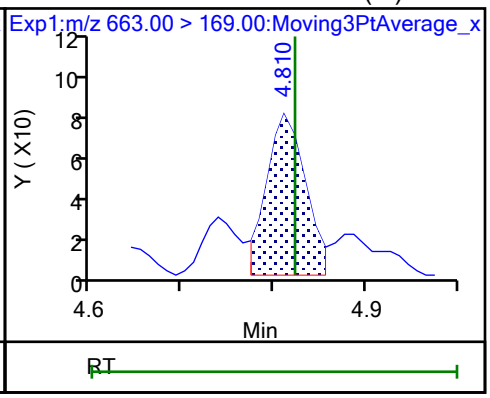
37 Perfluorododecanoic acid (M)



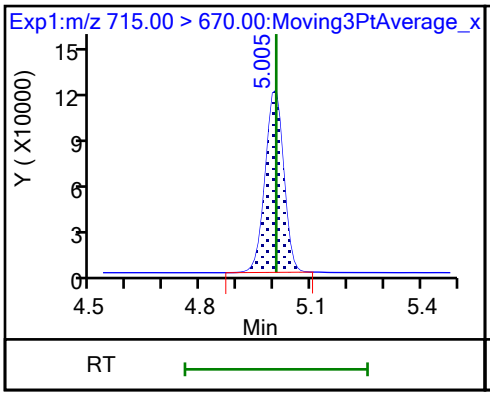
41 Perfluorotridecanoic acid (M)



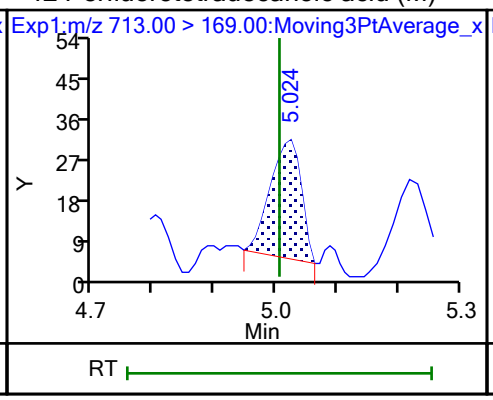
41 Perfluorotridecanoic acid (M)



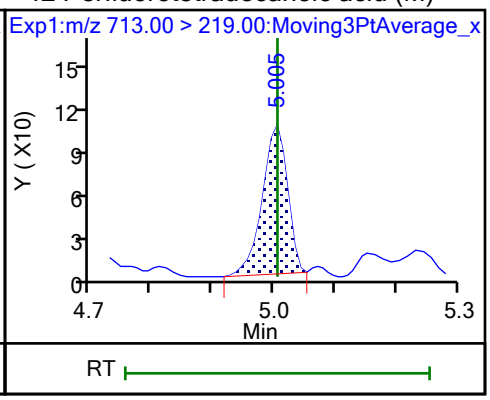
D 43 13C2 PFTeDA



42 Perfluorotetradecanoic acid (M)



42 Perfluorotetradecanoic acid (M)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

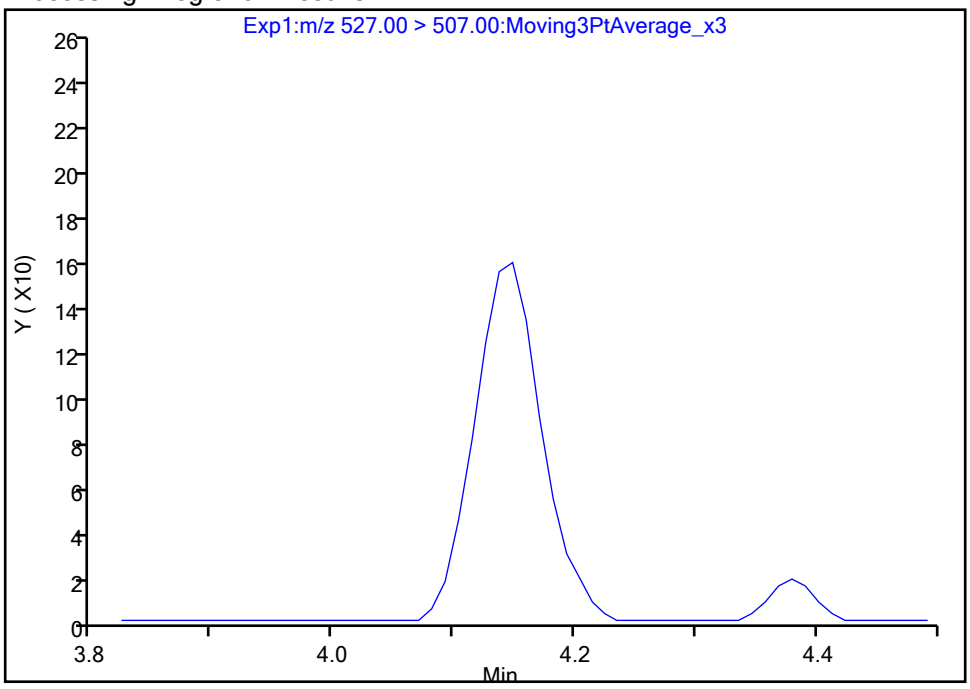
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Injection Date:	03-Mar-2021 21:02:31	Instrument ID:	LC812		
Lims ID:	480-181441-A-7-A	Lab Sample ID:	200-181441-7		
Client ID:	MW-1S-022221				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

25 1H,1H,2H,2H-perfluorodecanesulfo, CAS: 39108-34-4

Signal: 1

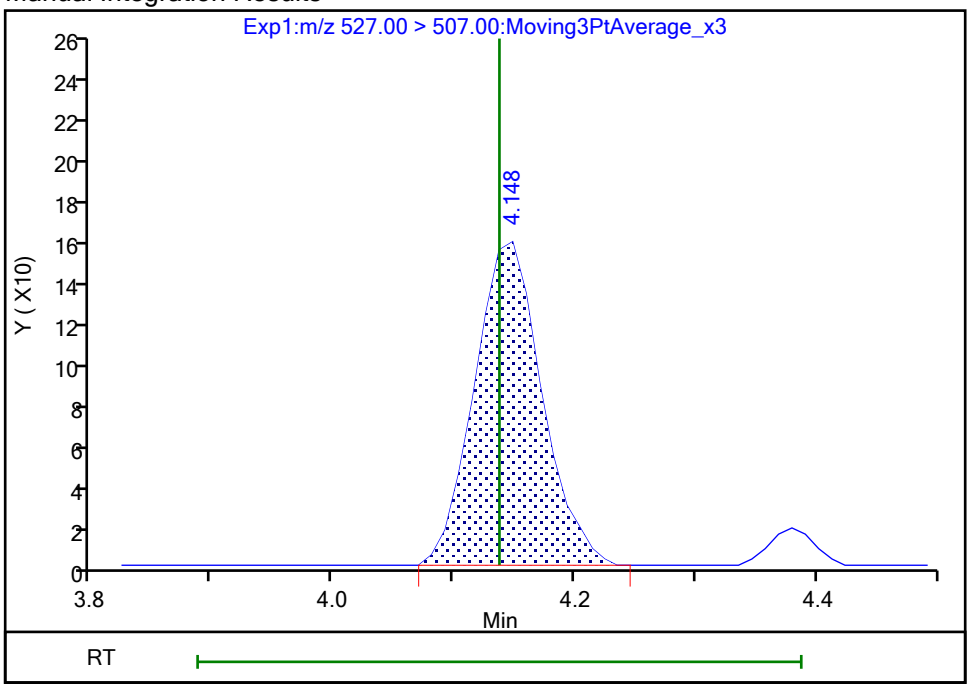
Not Detected
Expected RT: 4.14

Processing Integration Results



Manual Integration Results

RT: 4.15
Area: 605
Amount: 0.009412
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:29:44
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

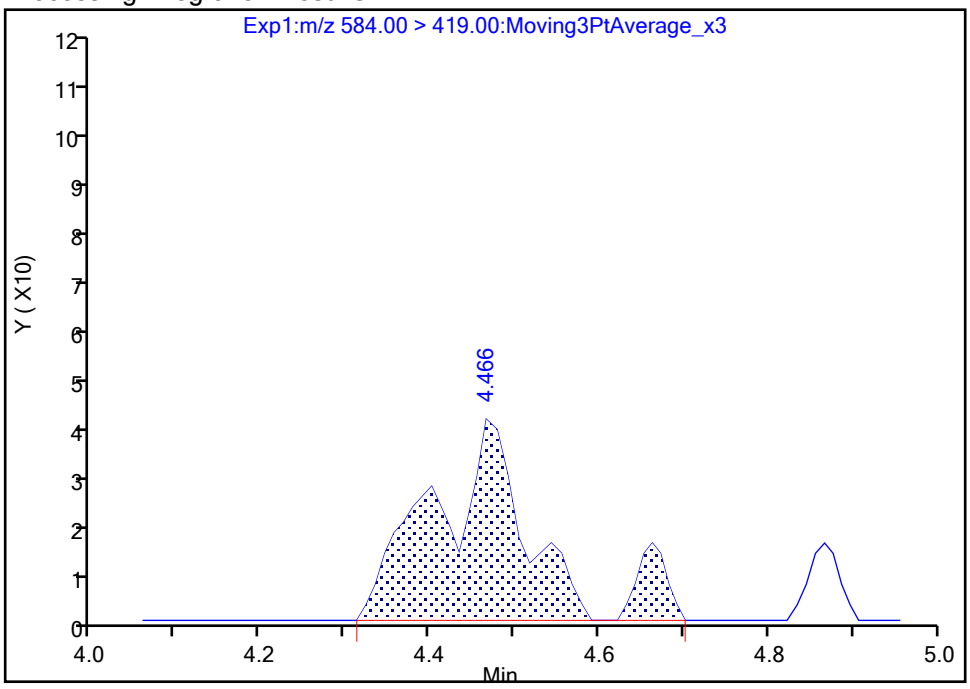
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Injection Date:	03-Mar-2021 21:02:31	Instrument ID:	LC812		
Lims ID:	480-181441-A-7-A	Lab Sample ID:	200-181441-7		
Client ID:	MW-1S-022221				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

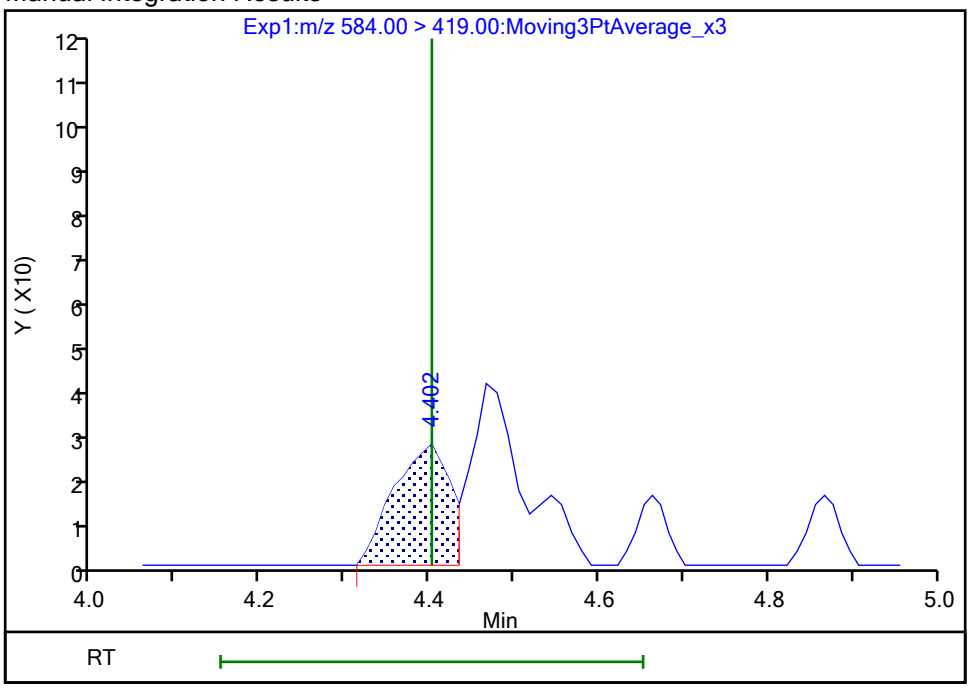
Processing Integration Results

RT: 4.47
Area: 324
Amount: 0.009572
Amount Units: ng/ml



Manual Integration Results

RT: 4.40
Area: 117
Amount: 0.003457
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:30:21

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

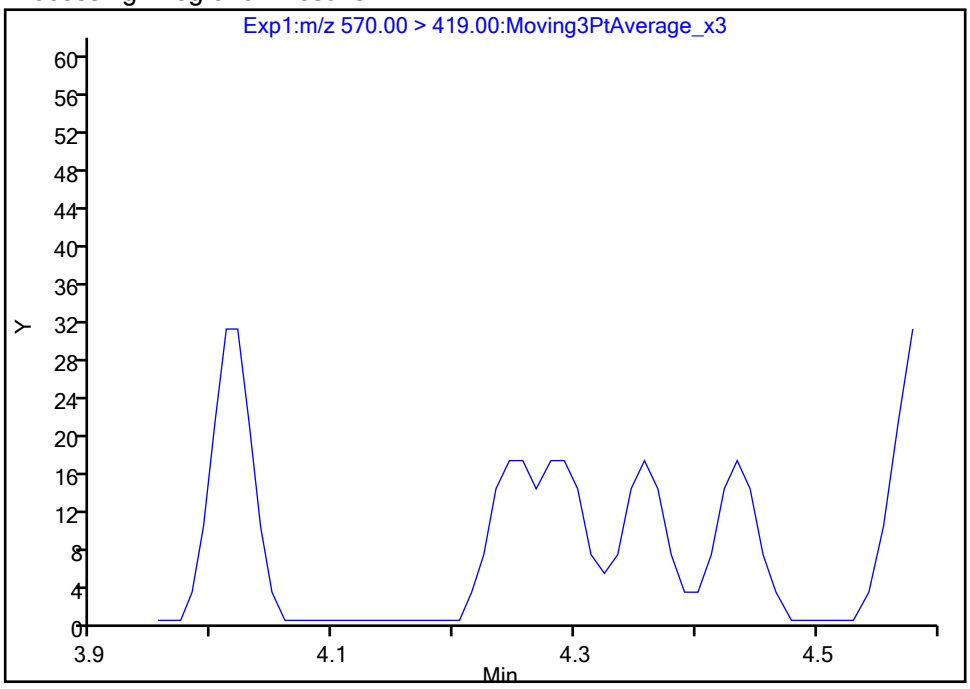
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Lims ID:	480-181441-A-7-A	Lab Sample ID:	200-181441-7		
Client ID:	MW-1S-022221				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

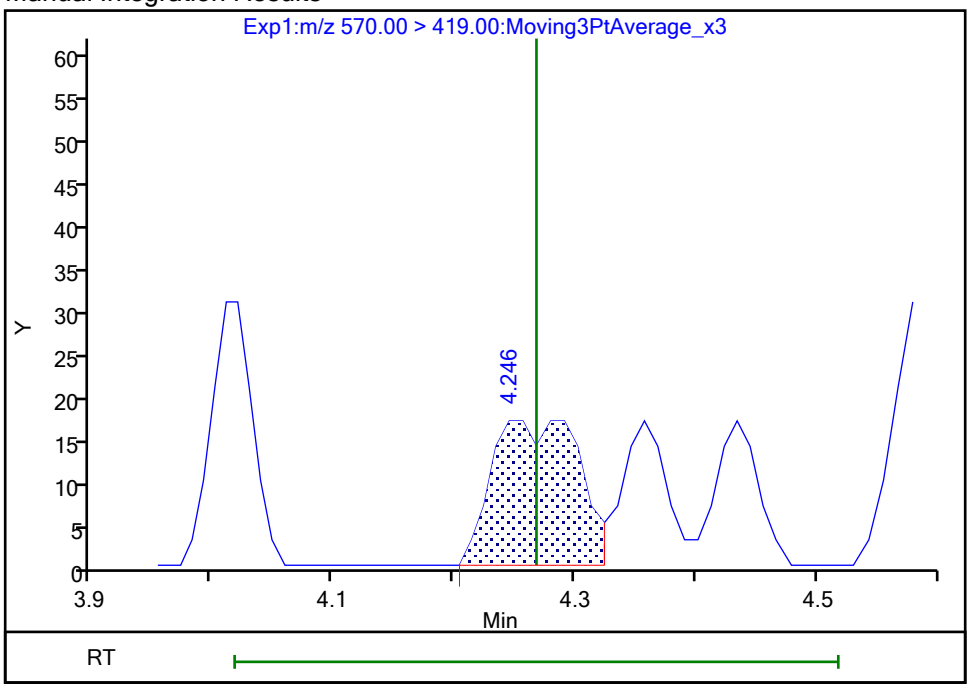
Not Detected
Expected RT: 4.27

Processing Integration Results



Manual Integration Results

RT: 4.25
Area: 86
Amount: 0.002595
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:30:00
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

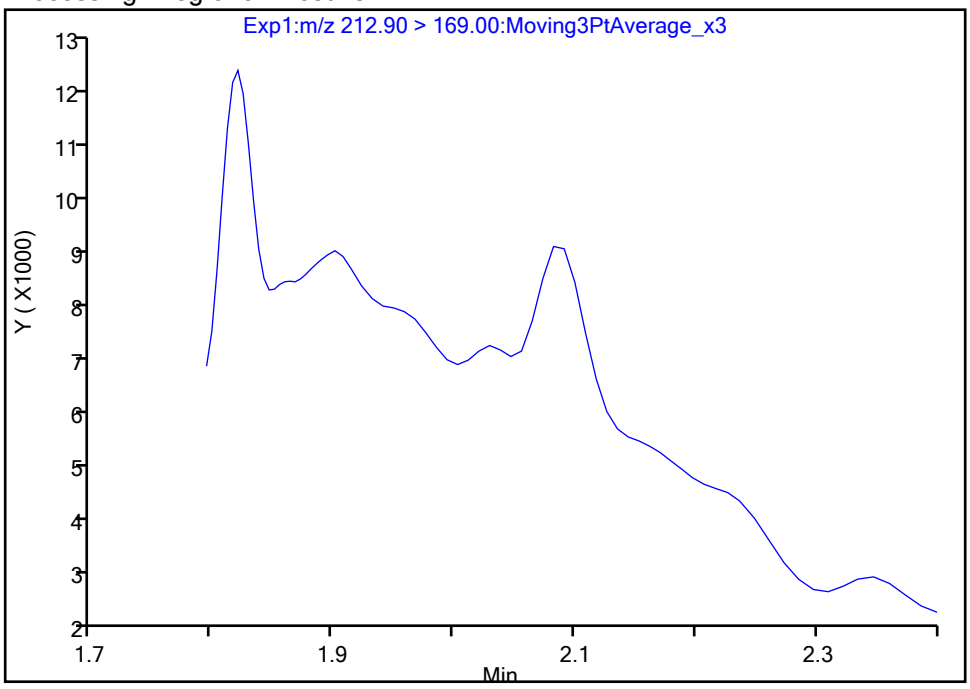
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Lims ID:	480-181441-A-7-A	Lab Sample ID:	200-181441-7		
Client ID:	MW-1S-022221				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

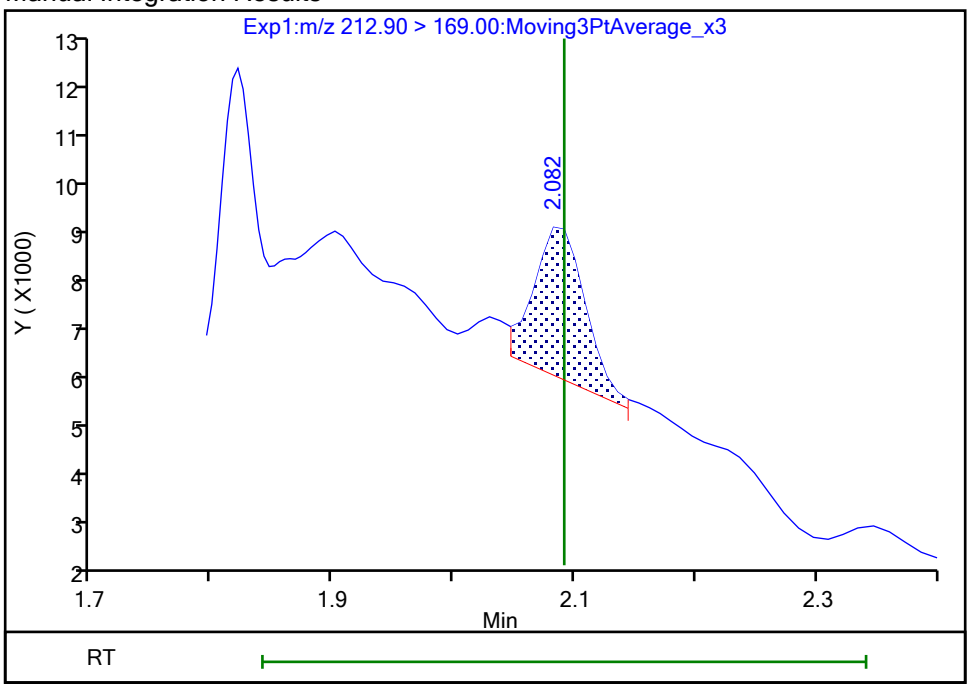
Not Detected
Expected RT: 2.09

Processing Integration Results



Manual Integration Results

RT: 2.08
Area: 8464
Amount: 0.009016
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:27:51
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

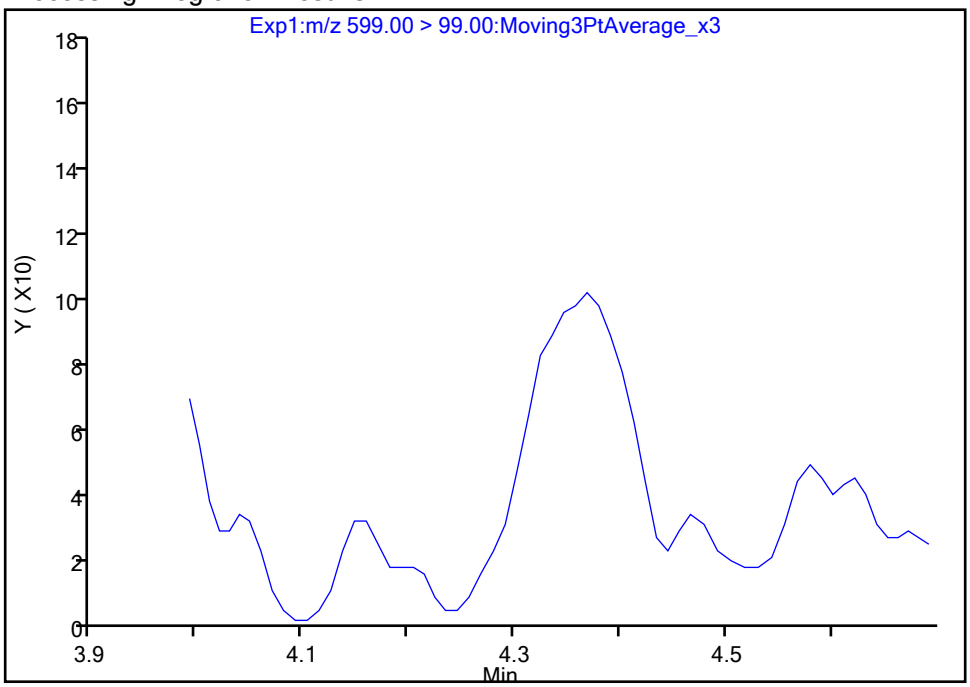
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B16.d				
Injection Date:	03-Mar-2021 21:02:31	Instrument ID:	LC812		
Lims ID:	480-181441-A-7-A	Lab Sample ID:	200-181441-7		
Client ID:	MW-1S-022221				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

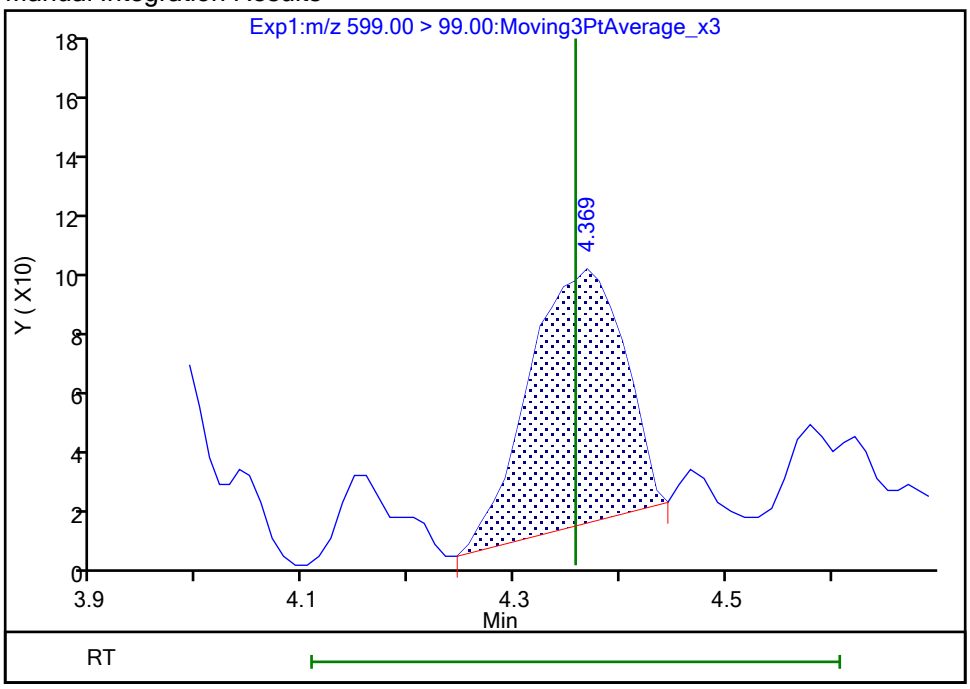
Not Detected
Expected RT: 4.36

Processing Integration Results



Manual Integration Results

RT: 4.37
Area: 536
Amount: 0.001188
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:30:09
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

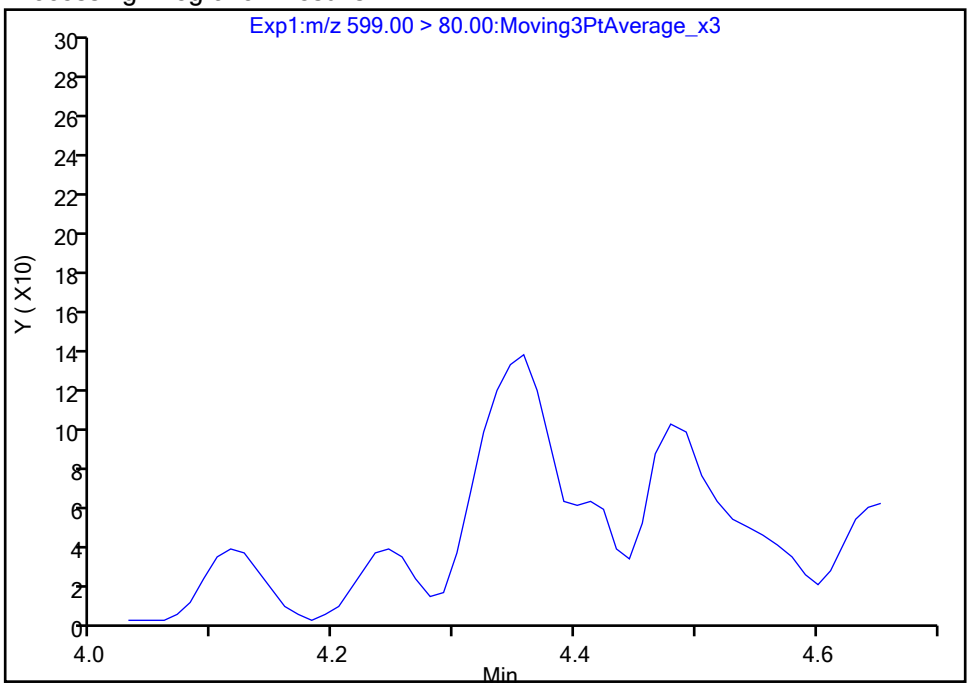
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B16.d				
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Lims ID:	480-181441-A-7-A	Lab Sample ID:	200-181441-7		
Client ID:	MW-1S-022221				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

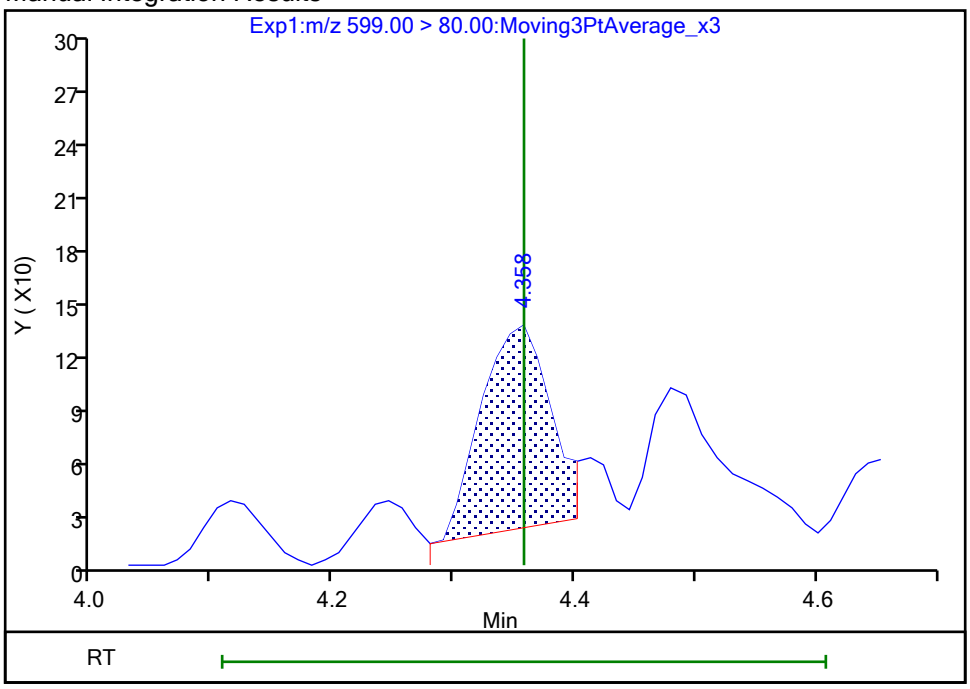
Not Detected
Expected RT: 4.36

Processing Integration Results



Manual Integration Results

RT: 4.36
Area: 449
Amount: 0.001188
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:30:11
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

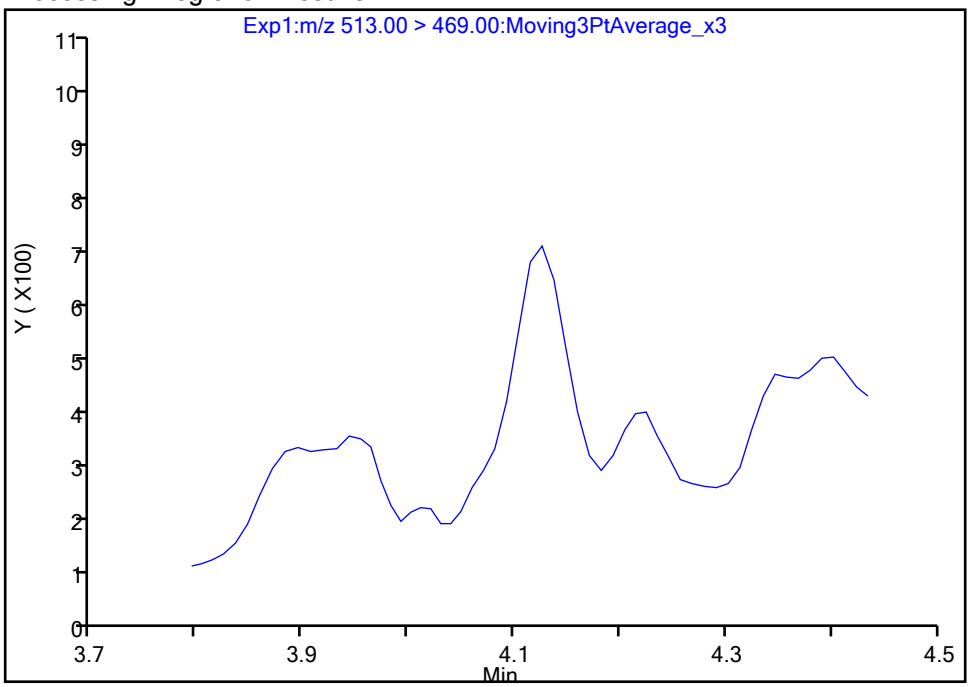
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Injection Date:	03-Mar-2021 21:02:31	Instrument ID:	LC812		
Lims ID:	480-181441-A-7-A	Lab Sample ID:	200-181441-7		
Client ID:	MW-1S-022221				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

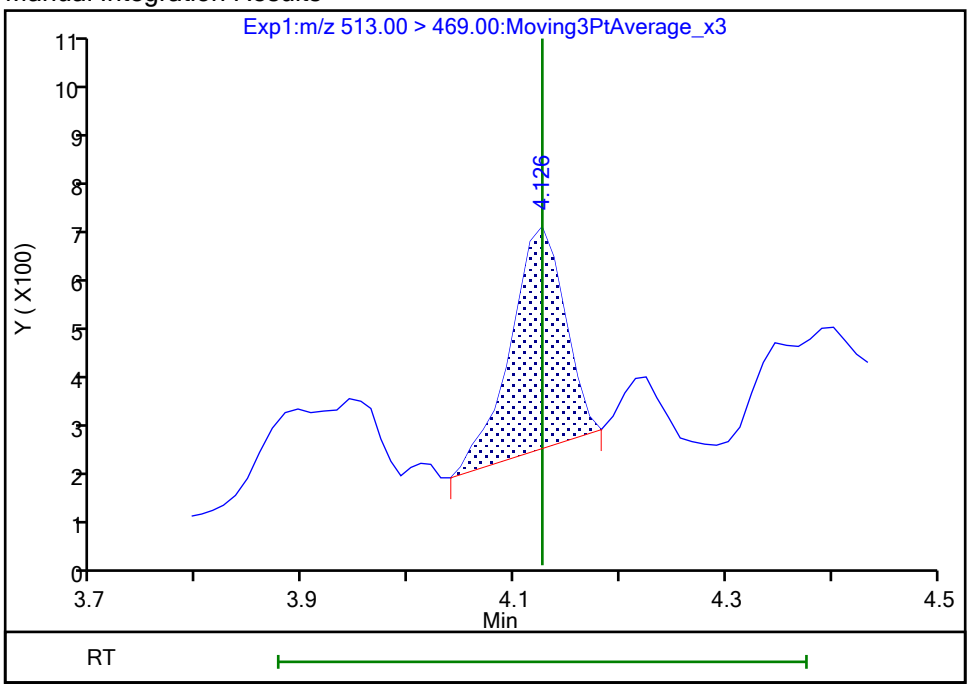
Not Detected
Expected RT: 4.13

Processing Integration Results



Manual Integration Results

RT: 4.13
Area: 1538
Amount: 0.002447
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:29:38
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

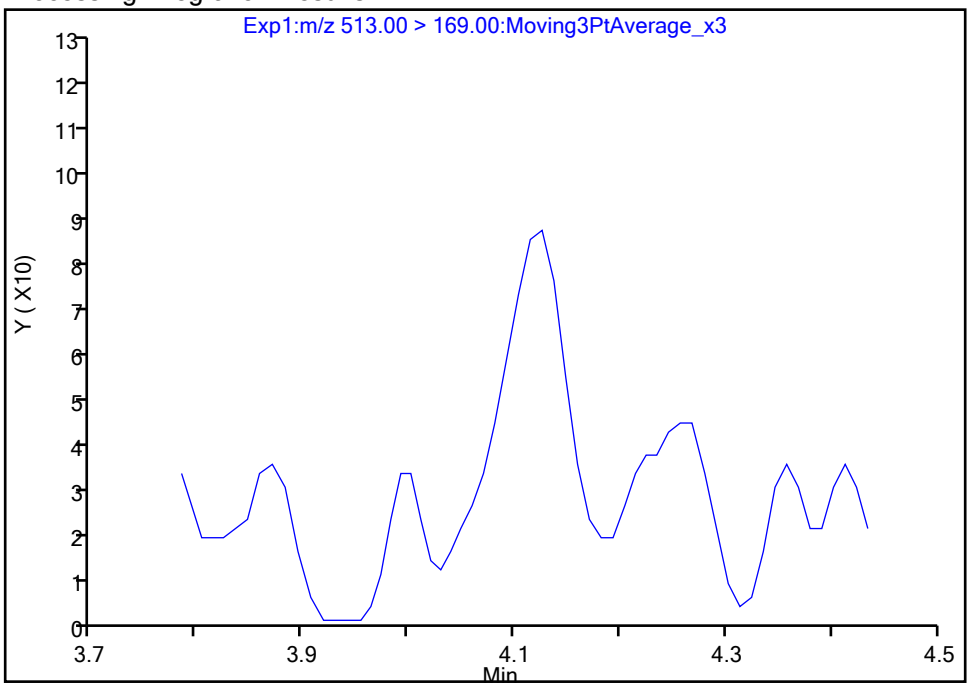
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B16.d				
Injection Date:	03-Mar-2021 21:02:31	Instrument ID:	LC812		
Lims ID:	480-181441-A-7-A	Lab Sample ID:	200-181441-7		
Client ID:	MW-1S-022221				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

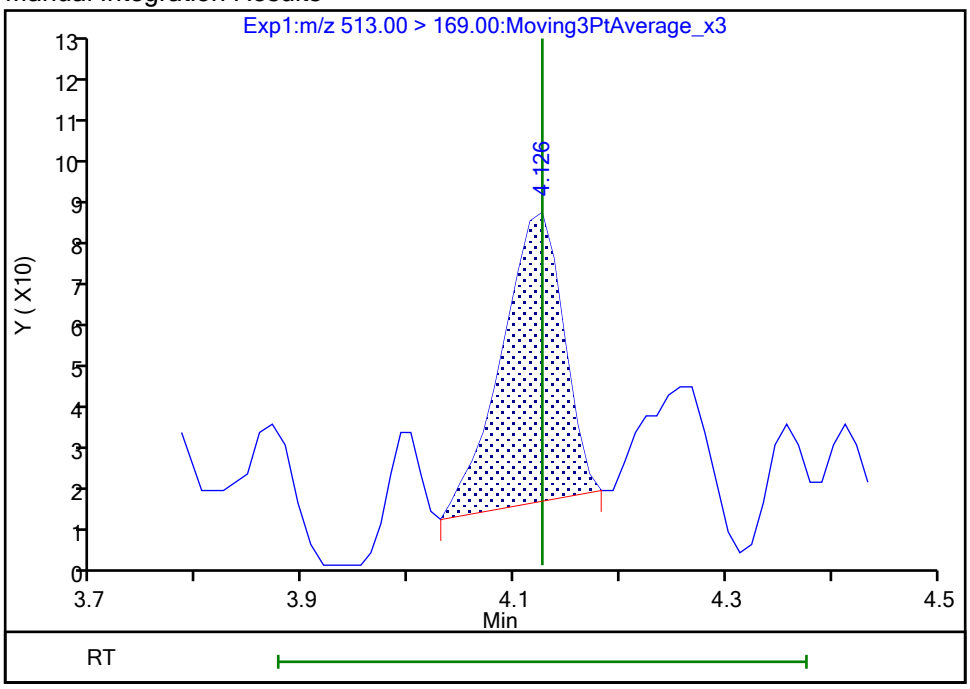
Not Detected
Expected RT: 4.13

Processing Integration Results



Manual Integration Results

RT: 4.13
Area: 284
Amount: 0.002447
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:29:40
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

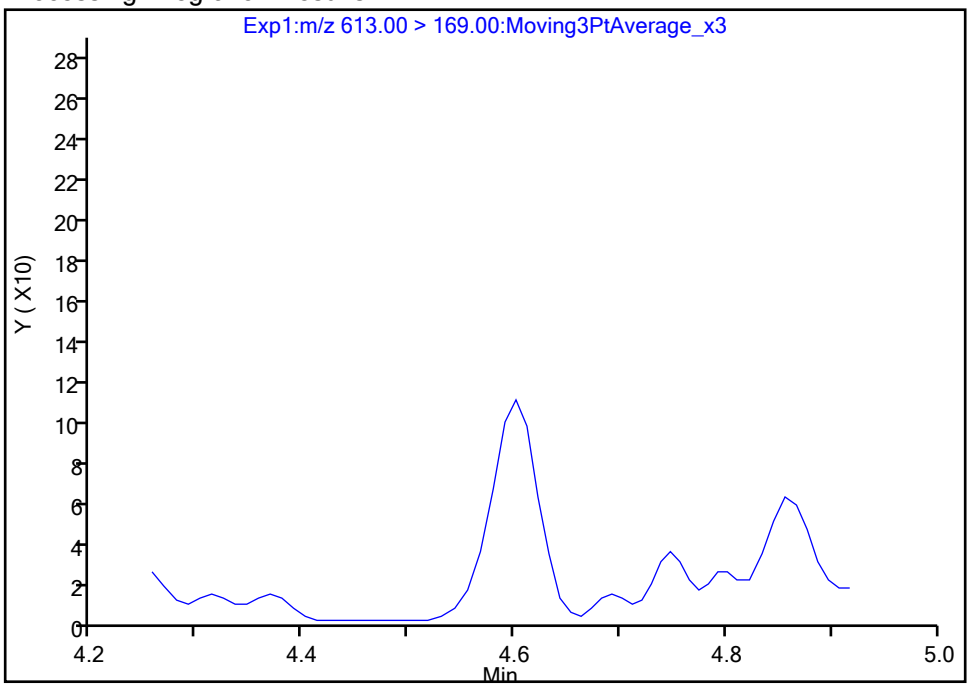
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B16.d				
Injection Date:	03-Mar-2021 21:02:31	Instrument ID:	LC812		
Lims ID:	480-181441-A-7-A	Lab Sample ID:	200-181441-7		
Client ID:	MW-1S-022221				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

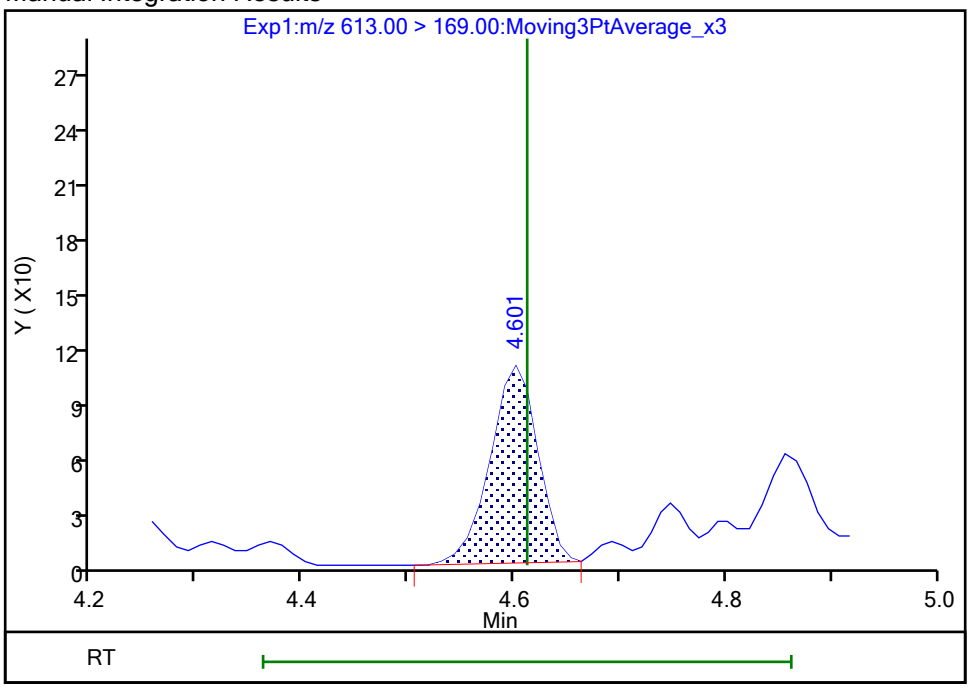
Not Detected
Expected RT: 4.61

Processing Integration Results



Manual Integration Results

RT: 4.60
Area: 337
Amount: 0.005974
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:30:27
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

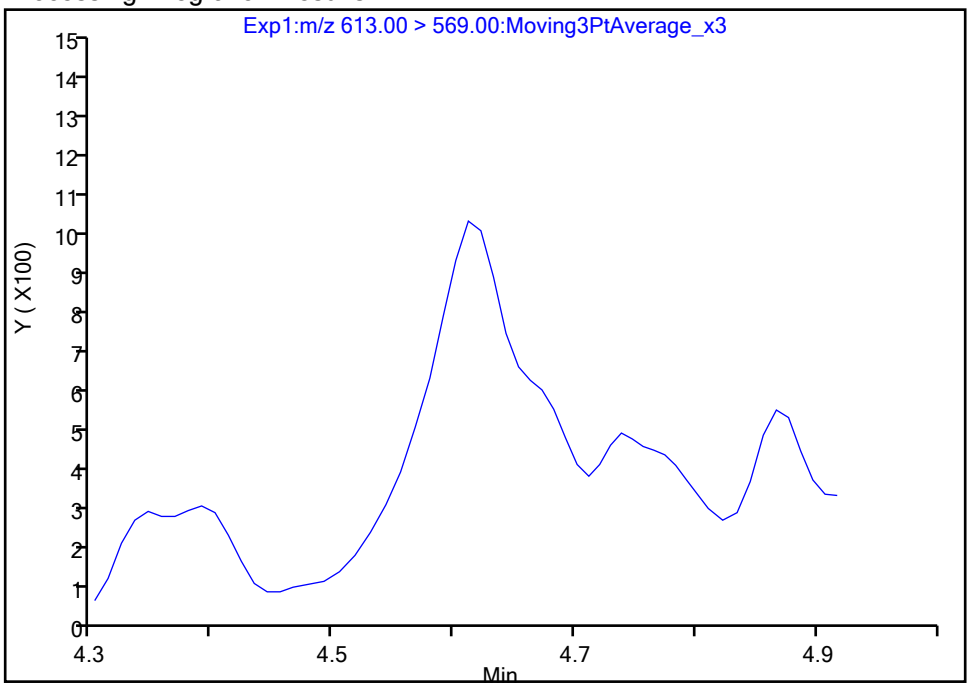
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B16.d				
Injection Date:	03-Mar-2021 21:02:31	Instrument ID:	LC812		
Lims ID:	480-181441-A-7-A	Lab Sample ID:	200-181441-7		
Client ID:	MW-1S-022221				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

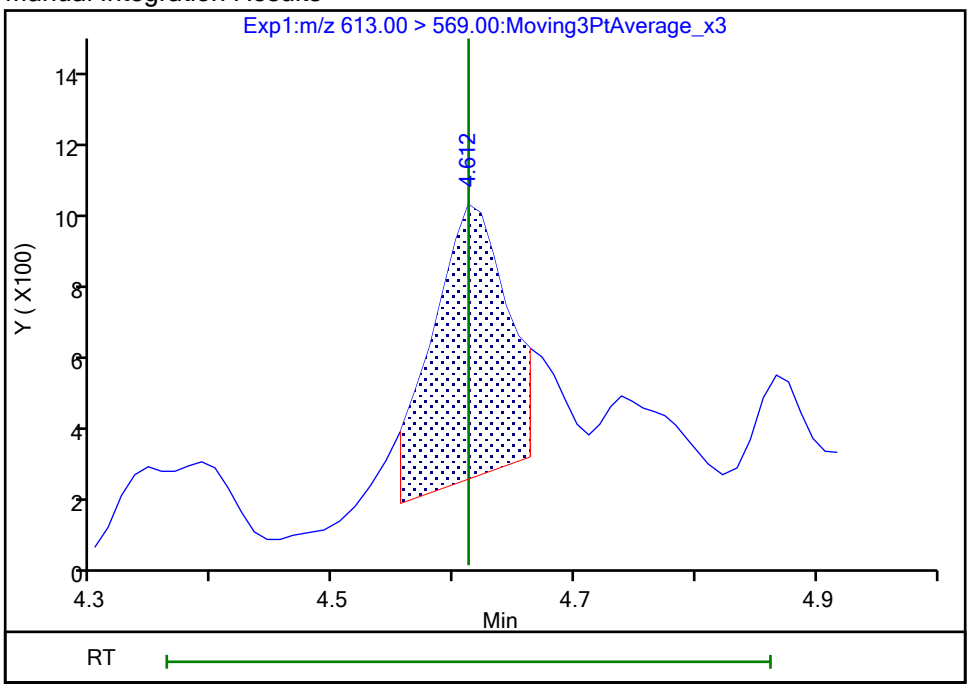
Not Detected
Expected RT: 4.61

Processing Integration Results



Manual Integration Results

RT: 4.61
Area: 3068
Amount: 0.005974
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:30:35
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

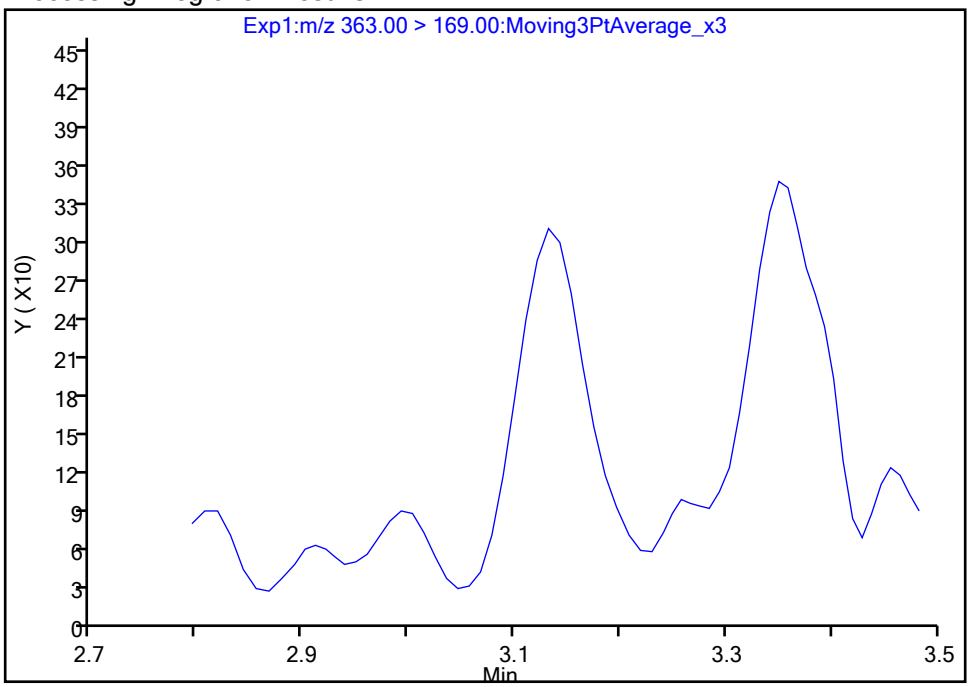
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B16.d				
Injection Date:	03-Mar-2021 21:02:31	Instrument ID:	LC812		
Lims ID:	480-181441-A-7-A	Lab Sample ID:	200-181441-7		
Client ID:	MW-1S-022221				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

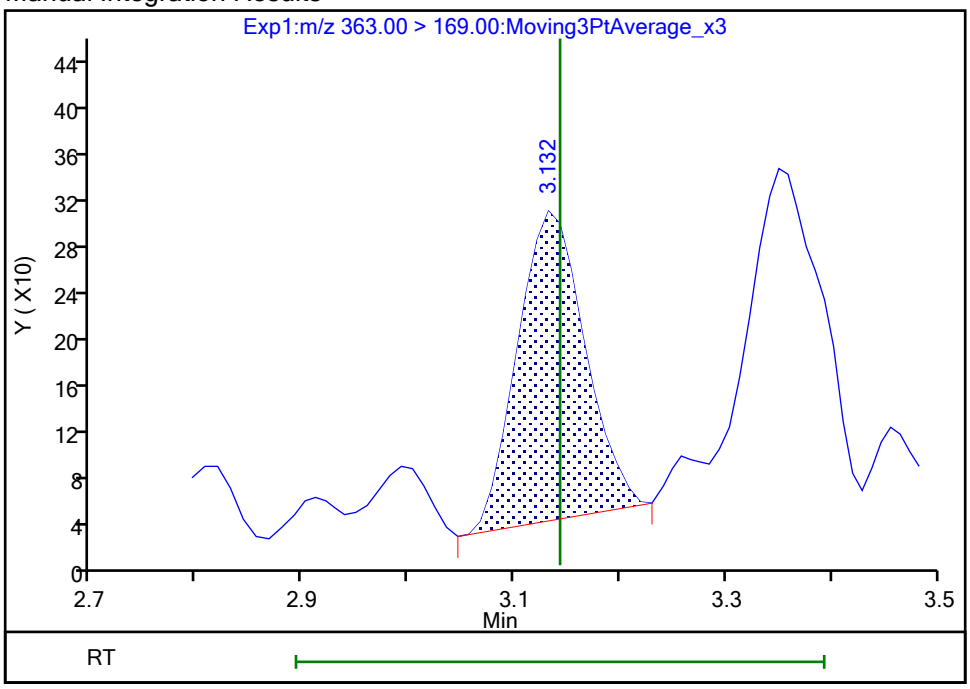
Not Detected
Expected RT: 3.14

Processing Integration Results



Manual Integration Results

RT: 3.13
Area: 1191
Amount: 0.004673
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:28:35
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

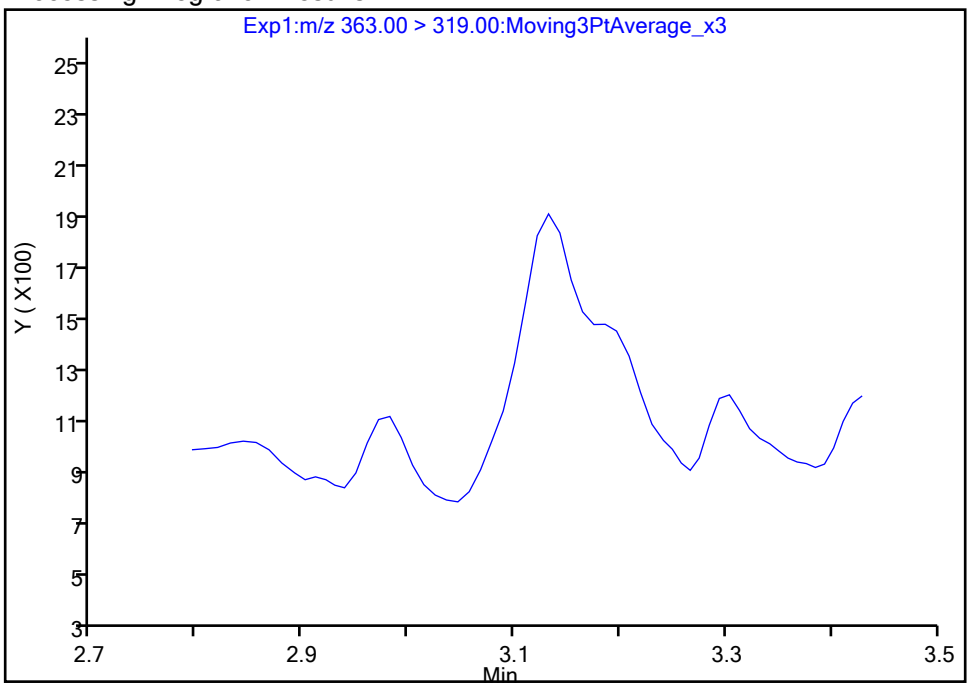
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B16.d				
Injection Date:	03-Mar-2021 21:02:31	Instrument ID:	LC812		
Lims ID:	480-181441-A-7-A	Lab Sample ID:	200-181441-7		
Client ID:	MW-1S-022221				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

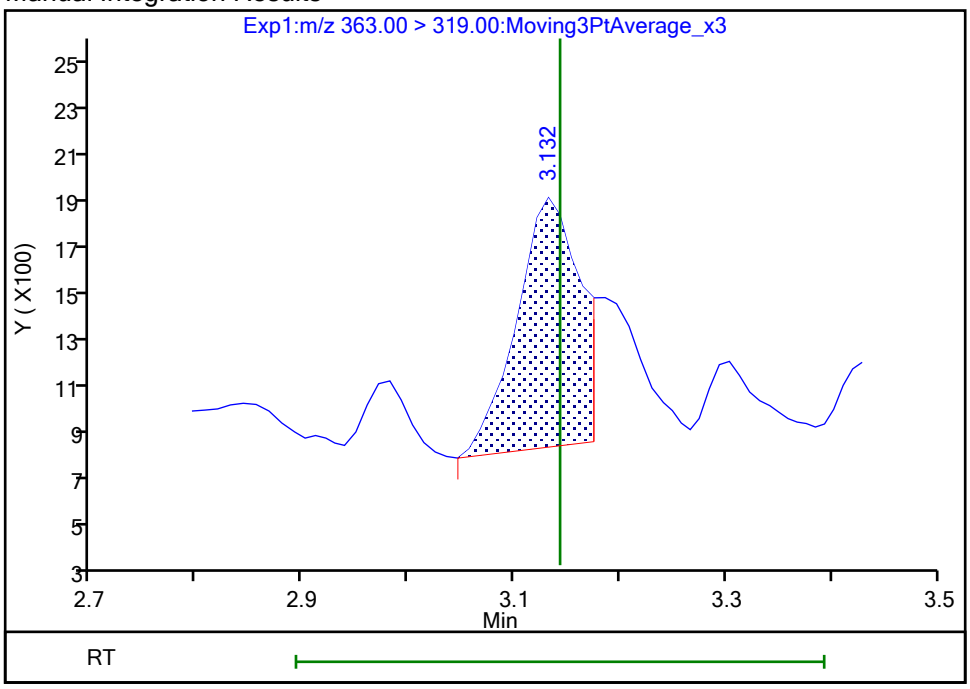
Not Detected
Expected RT: 3.14

Processing Integration Results



Manual Integration Results

RT: 3.13
Area: 4319
Amount: 0.004673
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:28:40
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

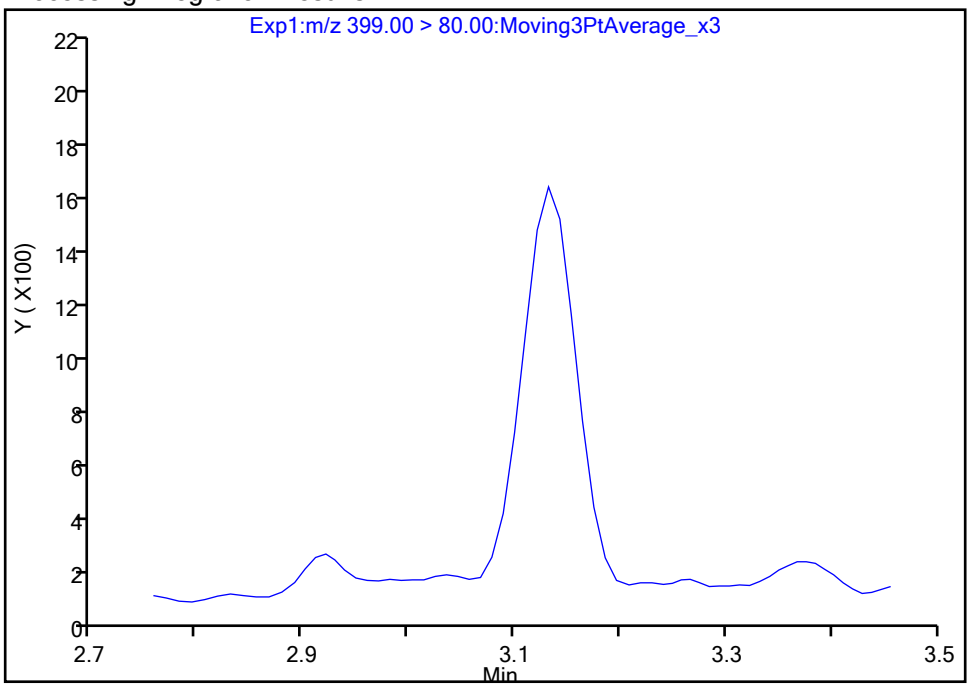
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B16.d				
Injection Date:	03-Mar-2021 21:02:31	Instrument ID:	LC812		
Lims ID:	480-181441-A-7-A	Lab Sample ID:	200-181441-7		
Client ID:	MW-1S-022221				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

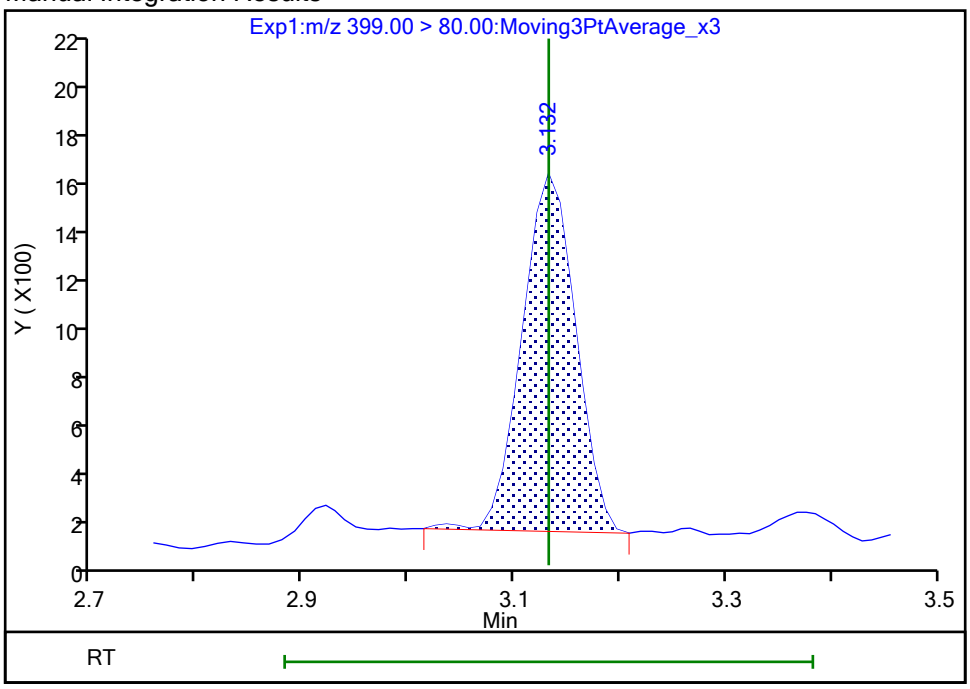
Not Detected
Expected RT: 3.13

Processing Integration Results



Manual Integration Results

RT: 3.13
Area: 5233
Amount: 0.005477
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:28:17
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

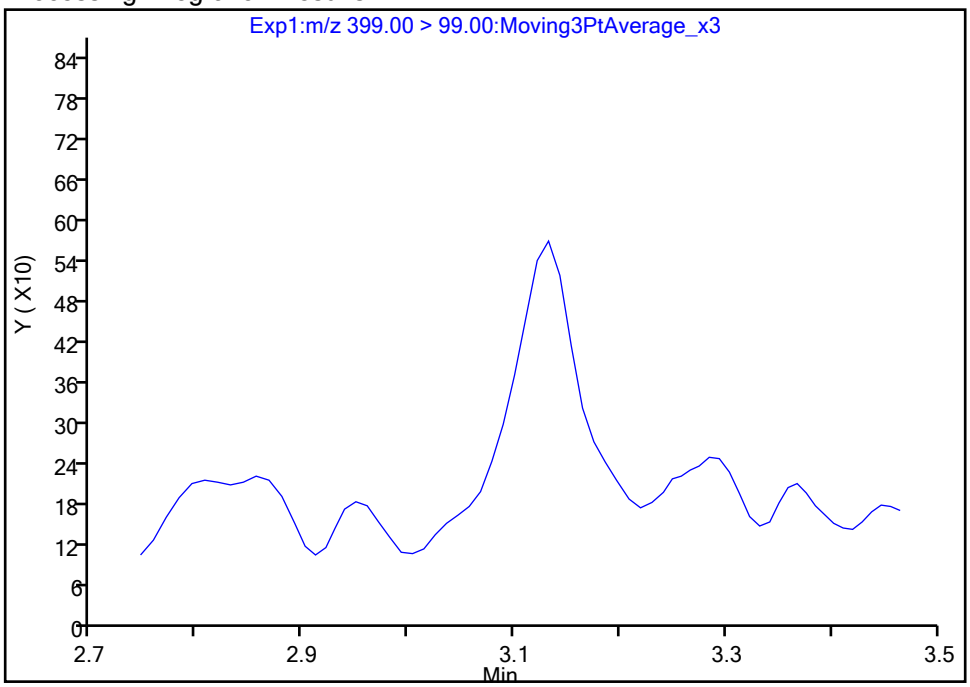
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B16.d				
Injection Date:	03-Mar-2021 21:02:31	Instrument ID:	LC812		
Lims ID:	480-181441-A-7-A	Lab Sample ID:	200-181441-7		
Client ID:	MW-1S-022221				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

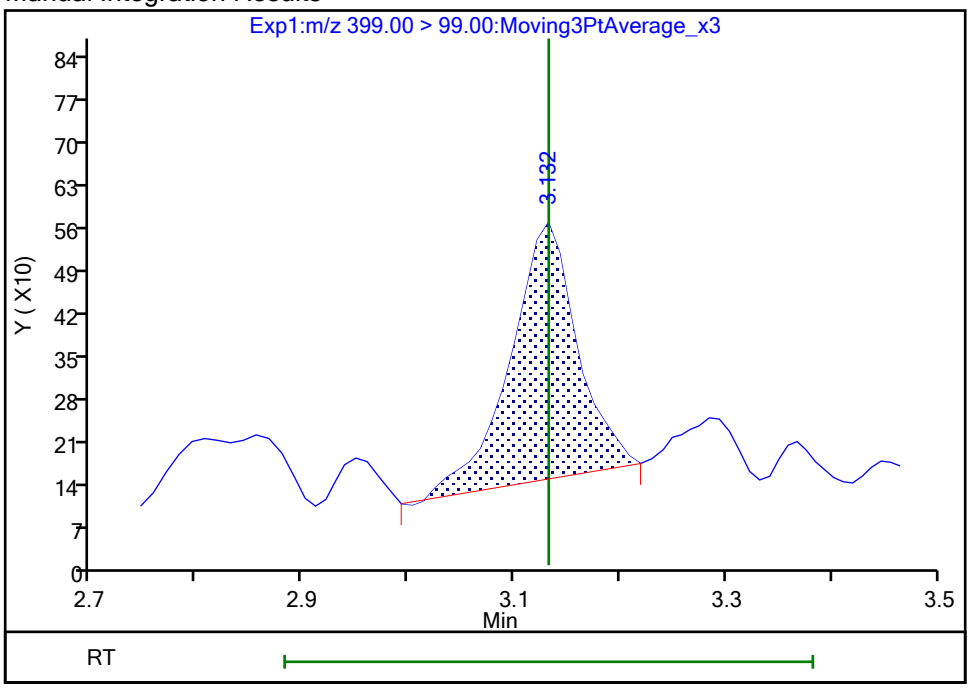
Not Detected
Expected RT: 3.13

Processing Integration Results



Manual Integration Results

RT: 3.13
Area: 1852
Amount: 0.005477
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:28:19
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

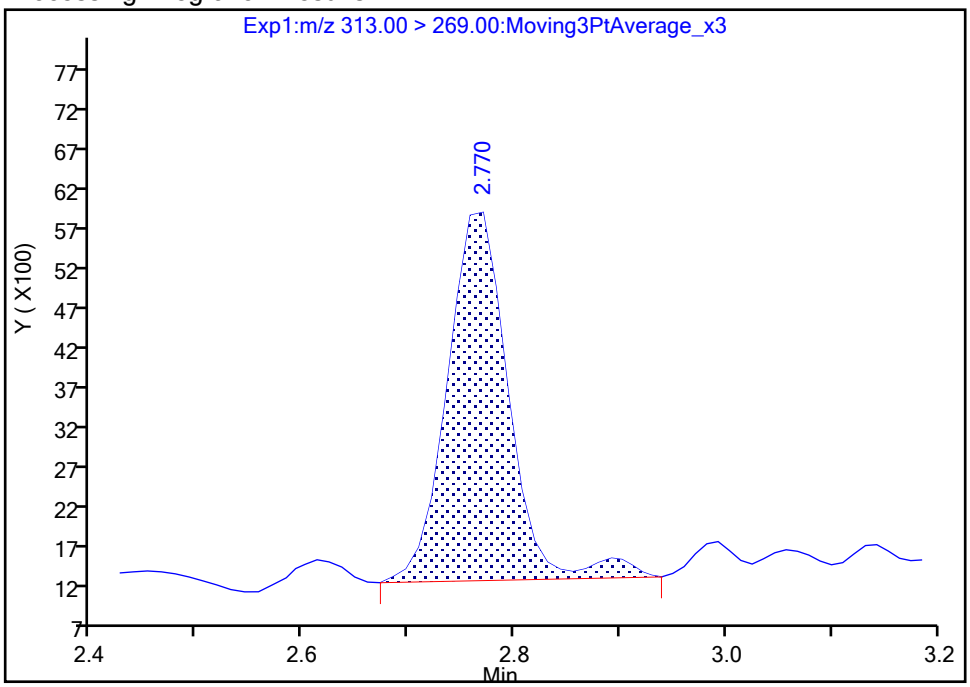
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B16.d				
Injection Date:	03-Mar-2021 21:02:31	Instrument ID:	LC812		
Lims ID:	480-181441-A-7-A	Lab Sample ID:	200-181441-7		
Client ID:	MW-1S-022221				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

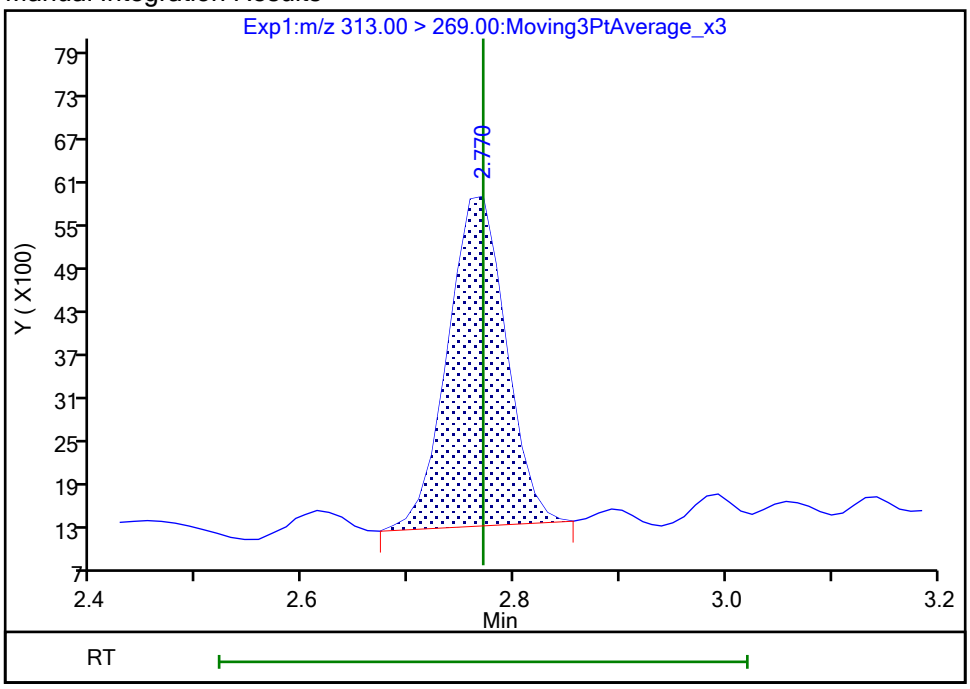
Processing Integration Results

RT: 2.77
Area: 18759
Amount: 0.019426
Amount Units: ng/ml



Manual Integration Results

RT: 2.77
Area: 17569
Amount: 0.018194
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:28:09

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

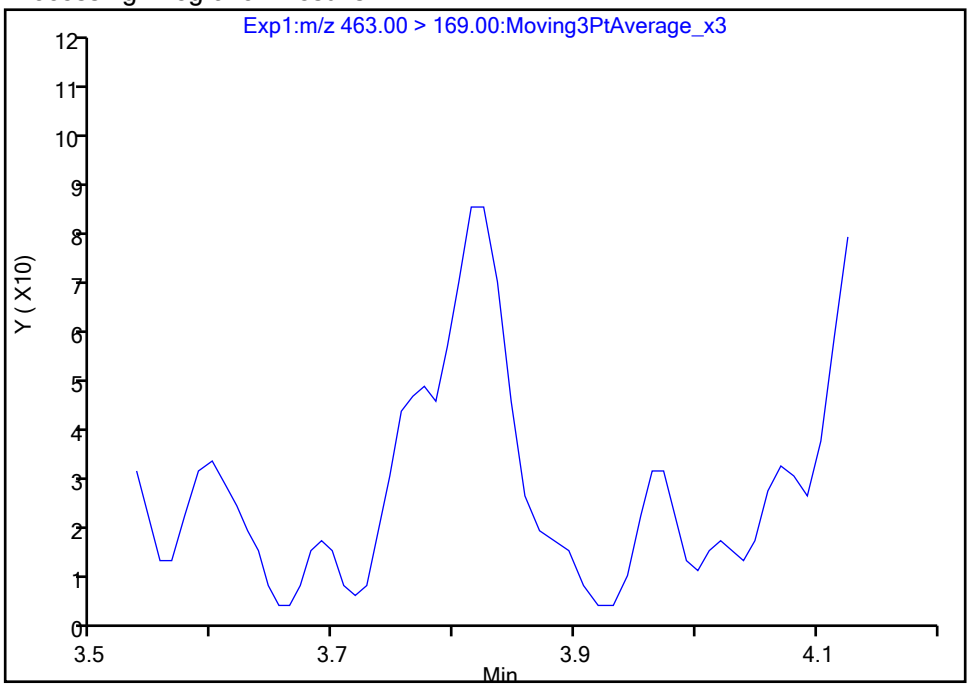
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B16.d				
Injection Date:	03-Mar-2021 21:02:31	Instrument ID:	LC812		
Lims ID:	480-181441-A-7-A	Lab Sample ID:	200-181441-7		
Client ID:	MW-1S-022221				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

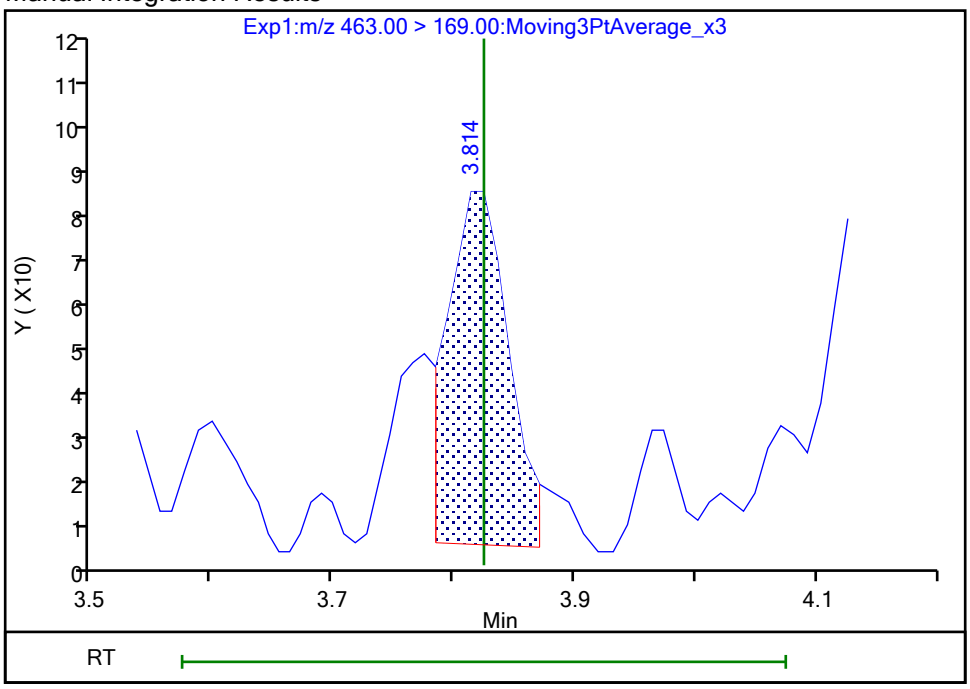
Not Detected
Expected RT: 3.82

Processing Integration Results



Manual Integration Results

RT: 3.81
Area: 267
Amount: 0.001756
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:29:30
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

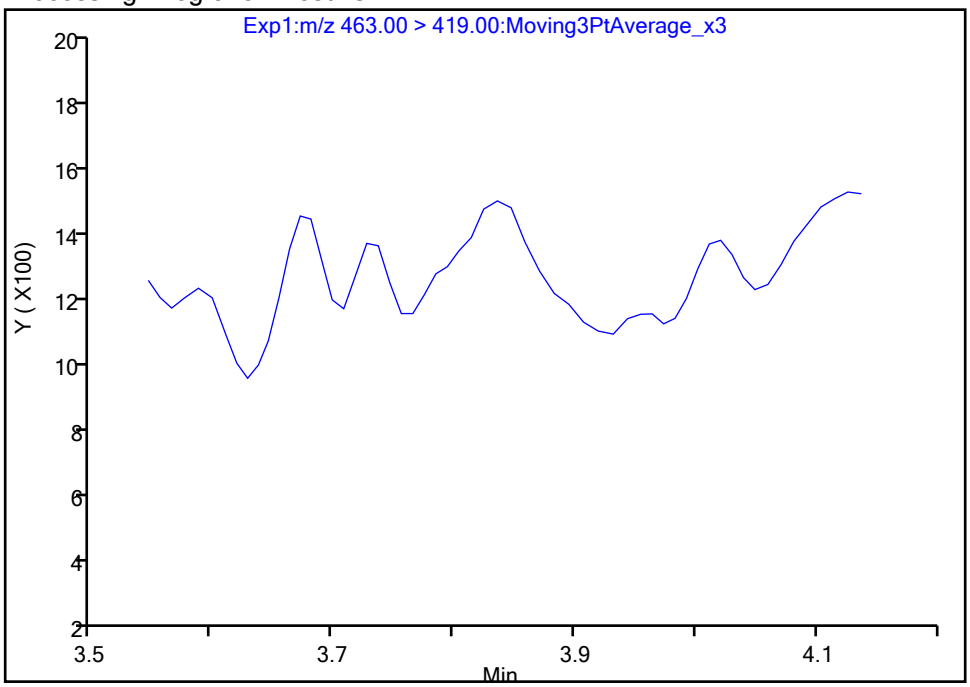
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B16.d				
Injection Date:	03-Mar-2021 21:02:31	Instrument ID:	LC812		
Lims ID:	480-181441-A-7-A	Lab Sample ID:	200-181441-7		
Client ID:	MW-1S-022221				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

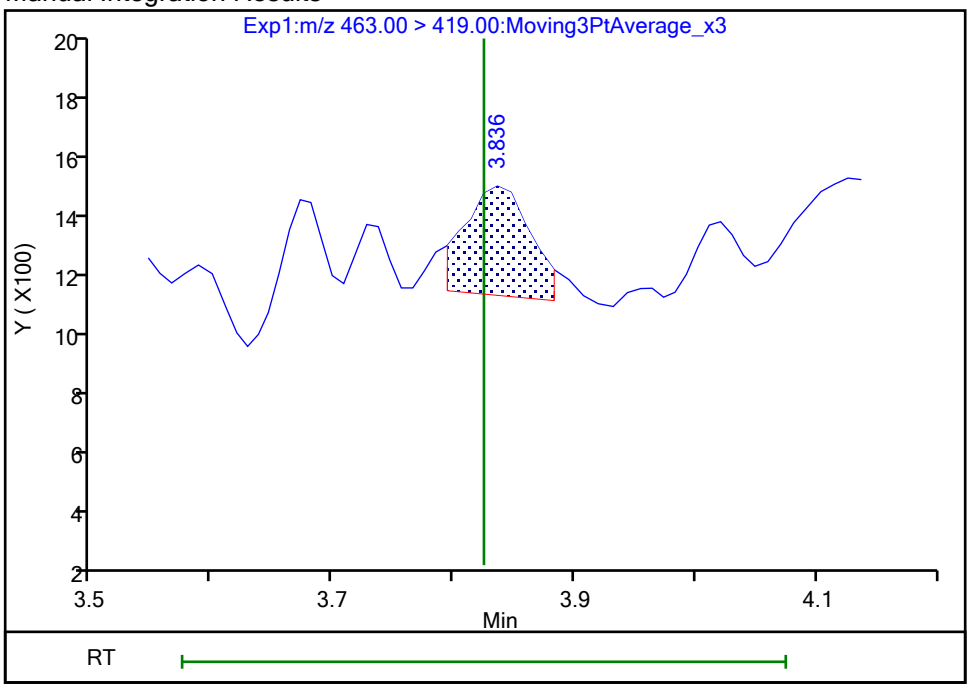
Not Detected
Expected RT: 3.82

Processing Integration Results



Manual Integration Results

RT: 3.84
Area: 1310
Amount: 0.001756
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:29:32
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

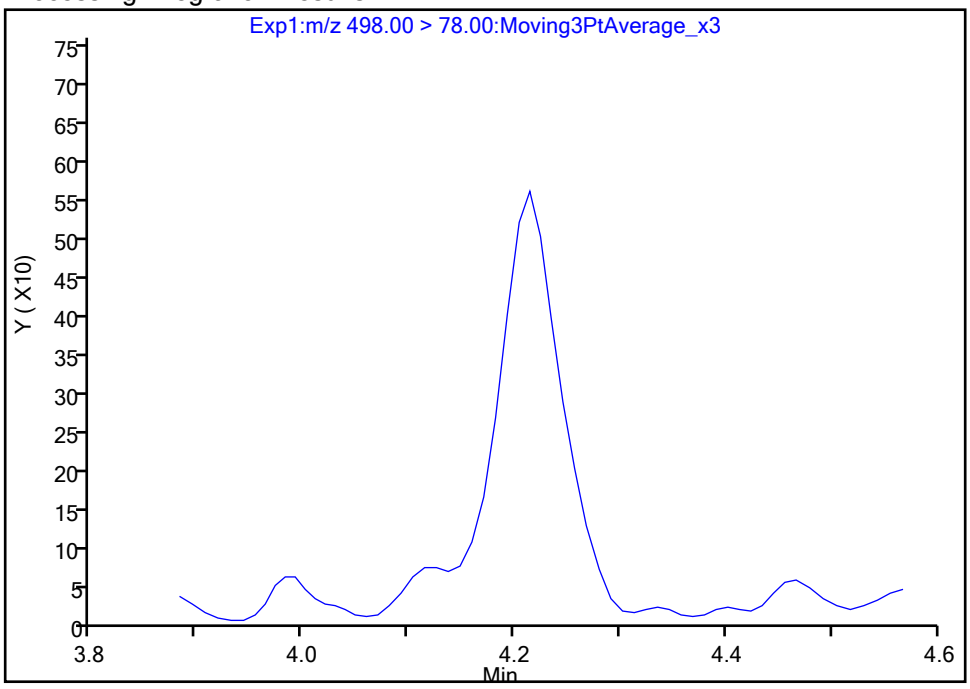
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B16.d				
Injection Date:	03-Mar-2021 21:02:31	Instrument ID:	LC812		
Lims ID:	480-181441-A-7-A	Lab Sample ID:	200-181441-7		
Client ID:	MW-1S-022221				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

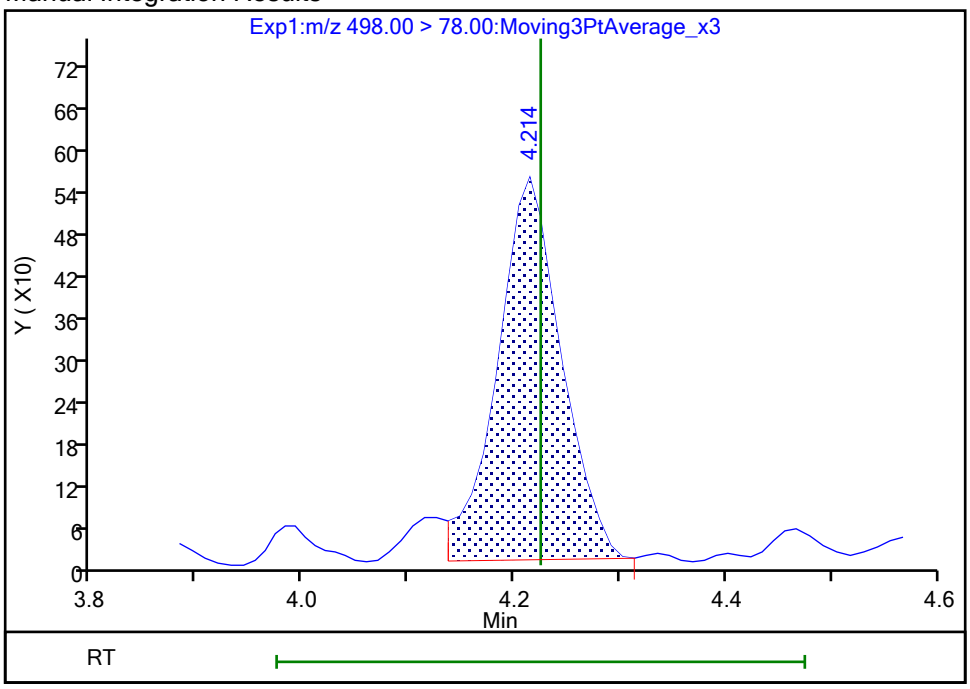
Not Detected
Expected RT: 4.22

Processing Integration Results



Manual Integration Results

RT: 4.21
Area: 2286
Amount: 0.002529
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:29:51
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

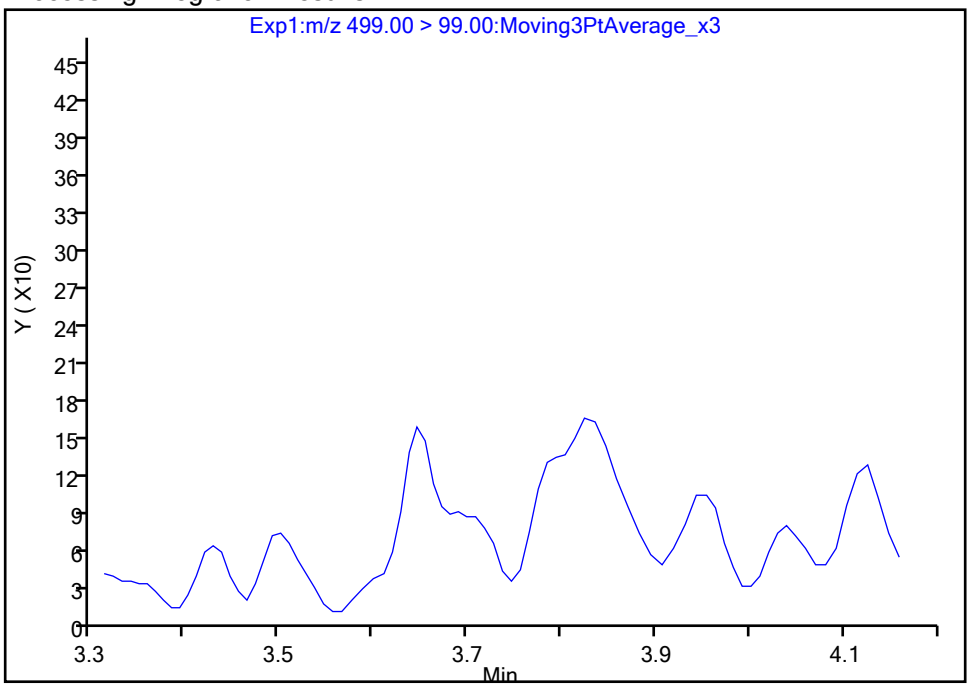
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B16.d				
Injection Date:	03-Mar-2021 21:02:31	Instrument ID:	LC812		
Lims ID:	480-181441-A-7-A	Lab Sample ID:	200-181441-7		
Client ID:	MW-1S-022221				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

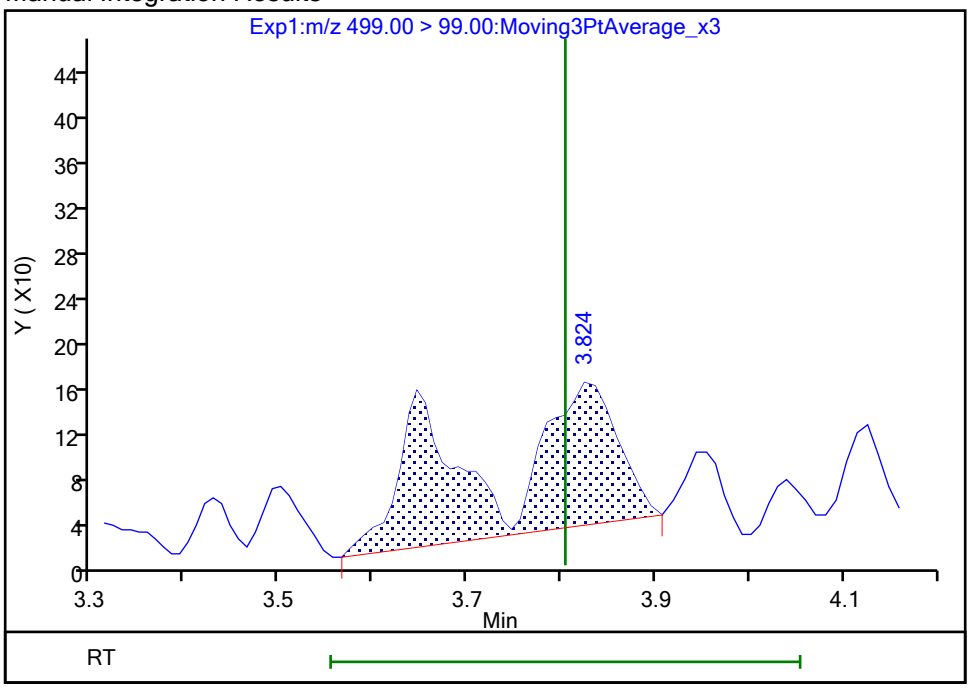
Not Detected
Expected RT: 3.80

Processing Integration Results



Manual Integration Results

RT: 3.82
Area: 1242
Amount: 0.006767
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:29:07
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

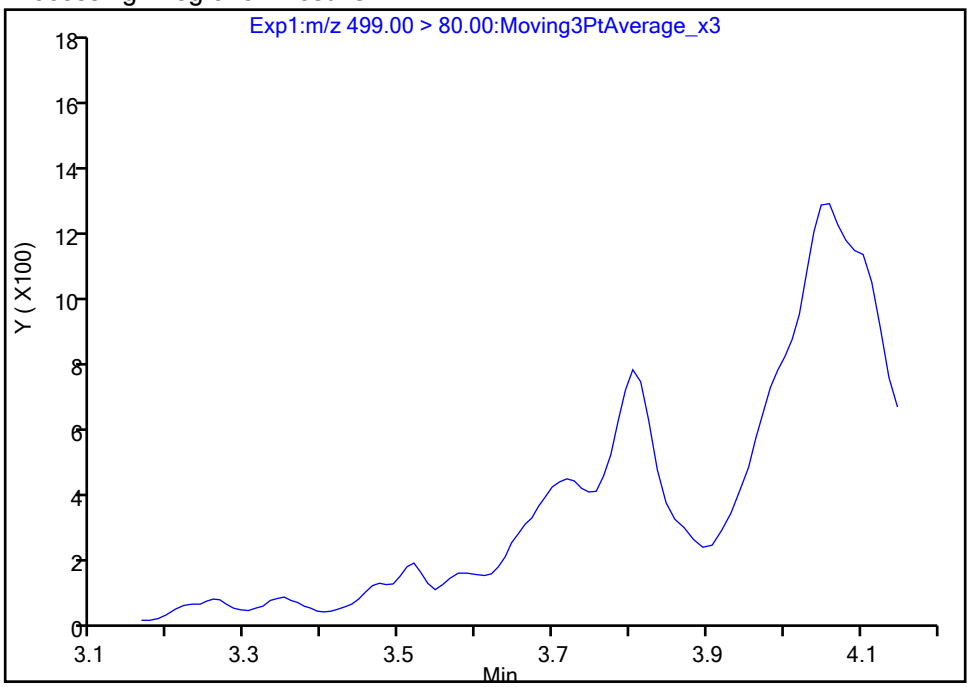
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B16.d				
Injection Date:	03-Mar-2021 21:02:31	Instrument ID:	LC812		
Lims ID:	480-181441-A-7-A	Lab Sample ID:	200-181441-7		
Client ID:	MW-1S-022221				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

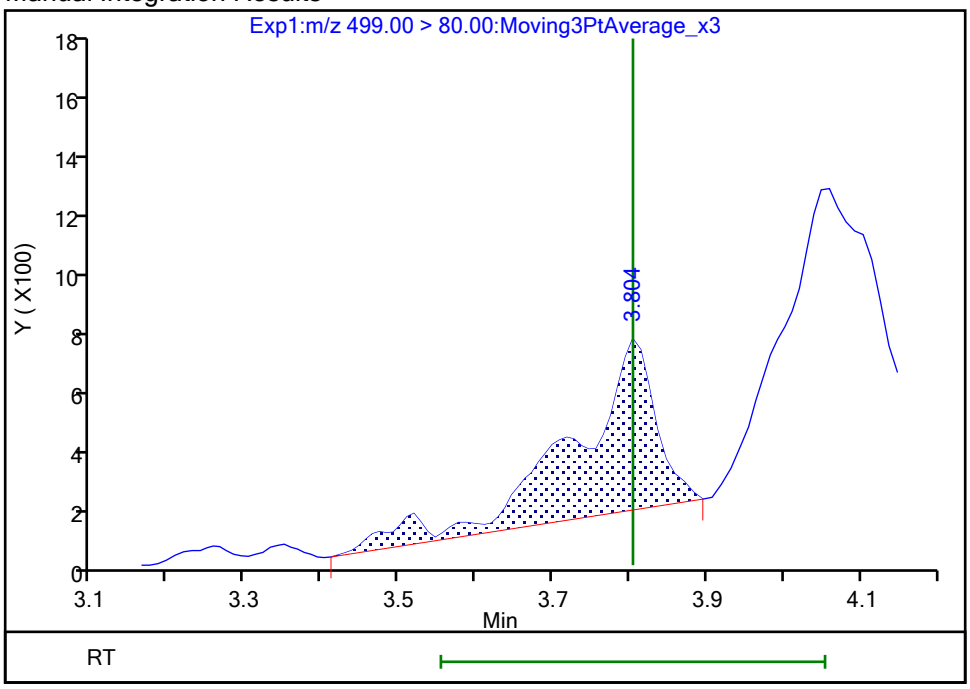
Not Detected
Expected RT: 3.80

Processing Integration Results



Manual Integration Results

RT: 3.80
Area: 4299
Amount: 0.006767
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:29:15
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

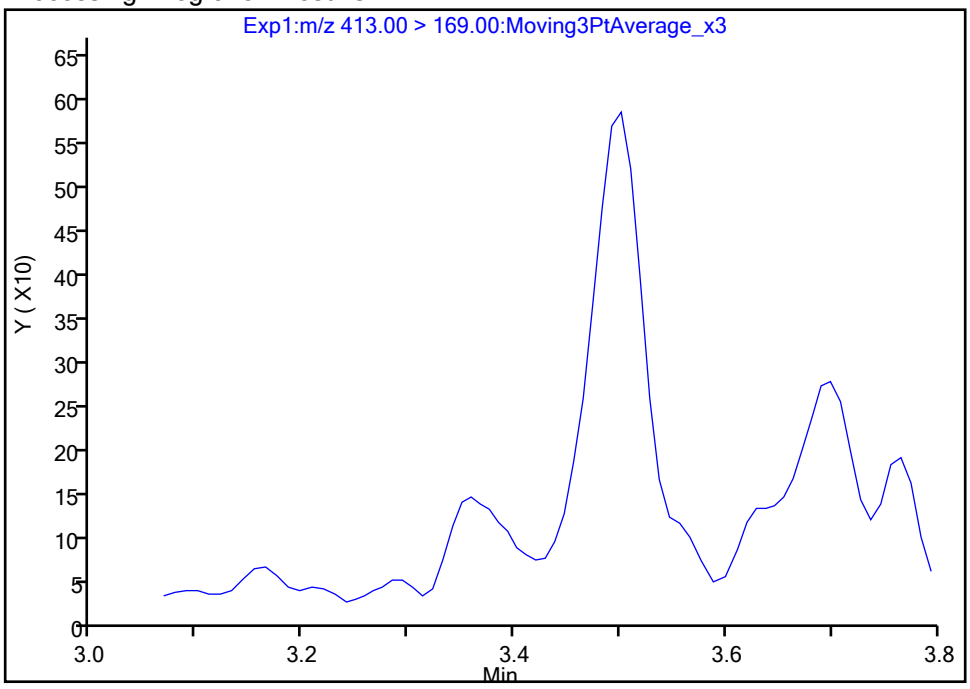
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B16.d				
Injection Date:	03-Mar-2021 21:02:31	Instrument ID:	LC812		
Lims ID:	480-181441-A-7-A	Lab Sample ID:	200-181441-7		
Client ID:	MW-1S-022221				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

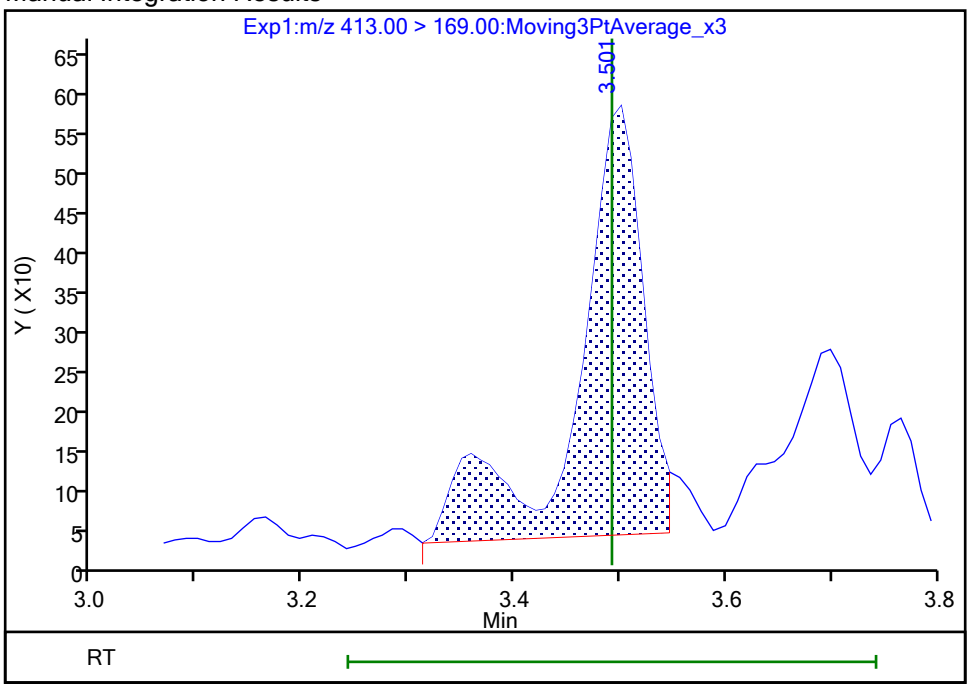
Not Detected
Expected RT: 3.49

Processing Integration Results



Manual Integration Results

RT: 3.50
Area: 2360
Amount: 0.004852
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:28:55
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

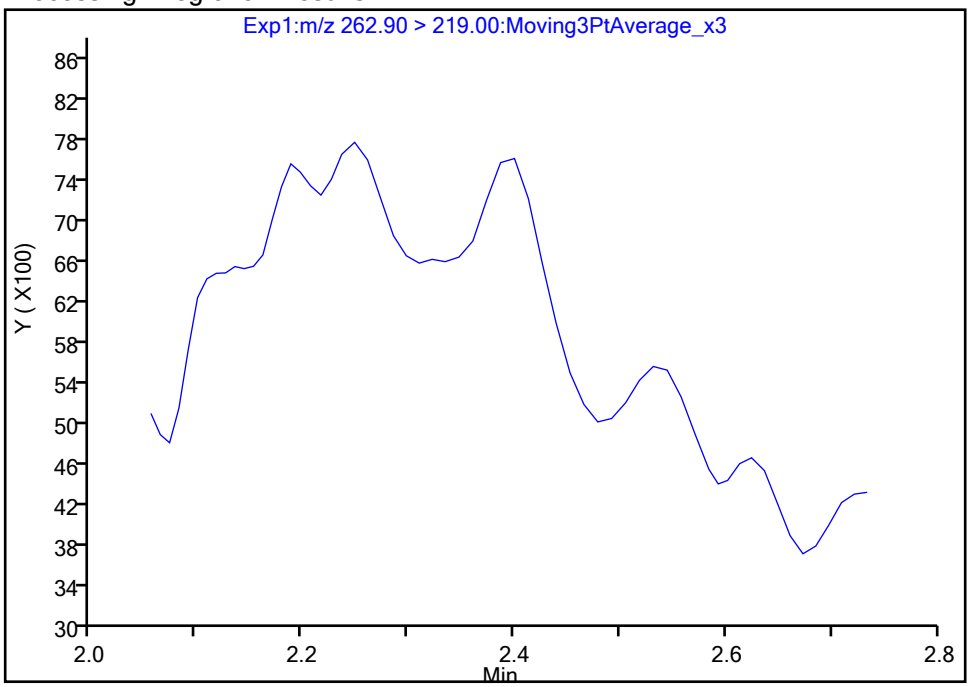
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B16.d				
Injection Date:	03-Mar-2021 21:02:31	Instrument ID:	LC812		
Lims ID:	480-181441-A-7-A	Lab Sample ID:	200-181441-7		
Client ID:	MW-1S-022221				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

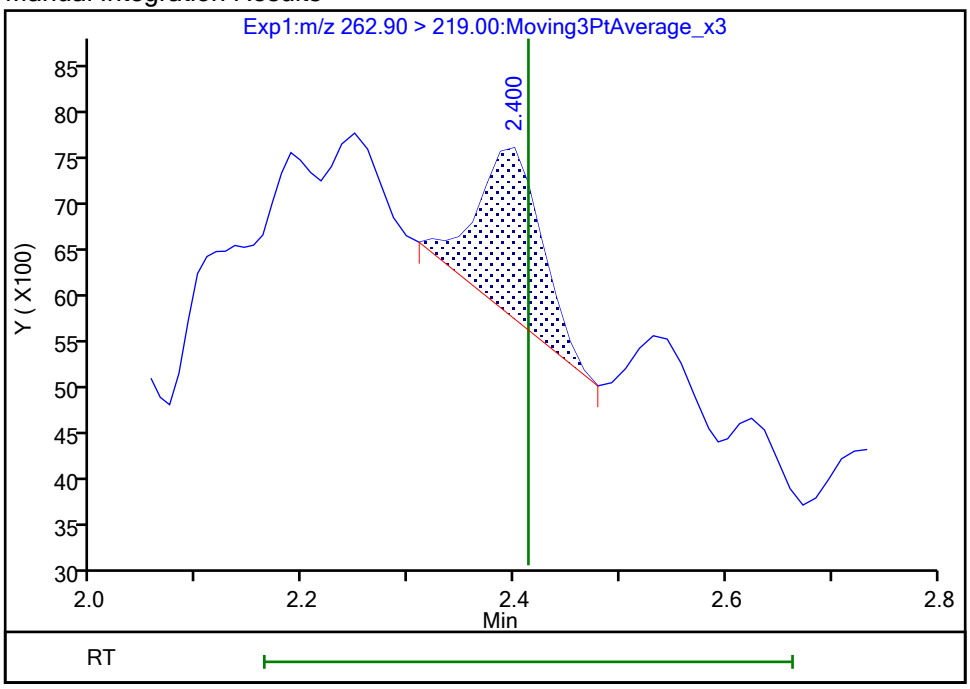
Not Detected
Expected RT: 2.41

Processing Integration Results



Manual Integration Results

RT: 2.40
Area: 7693
Amount: 0.008342
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:27:57
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

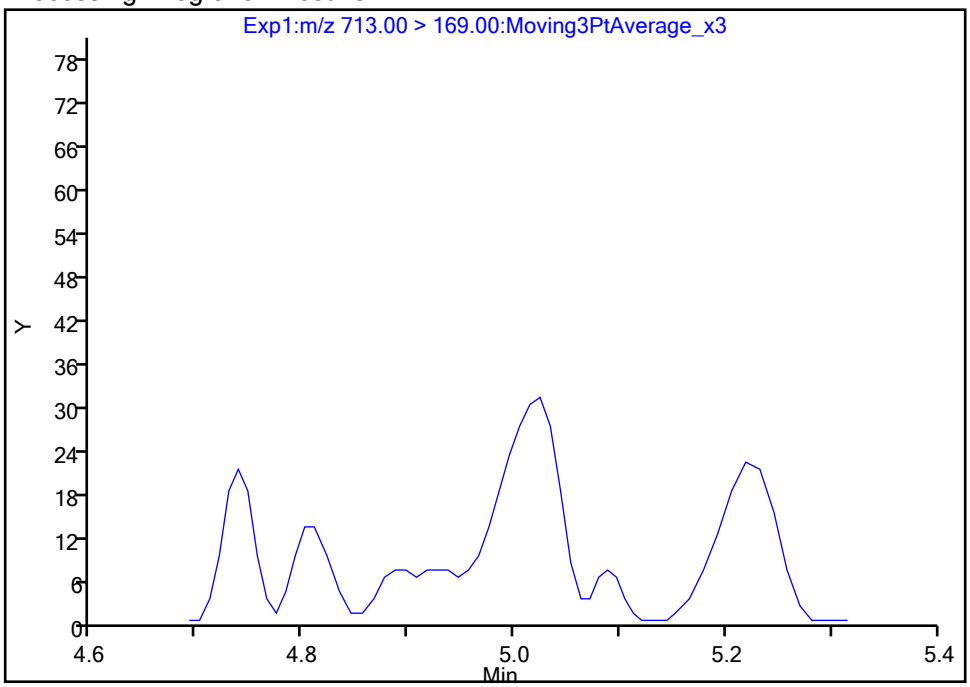
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B16.d				
Injection Date:	03-Mar-2021 21:02:31	Instrument ID:	LC812		
Lims ID:	480-181441-A-7-A	Lab Sample ID:	200-181441-7		
Client ID:	MW-1S-022221				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

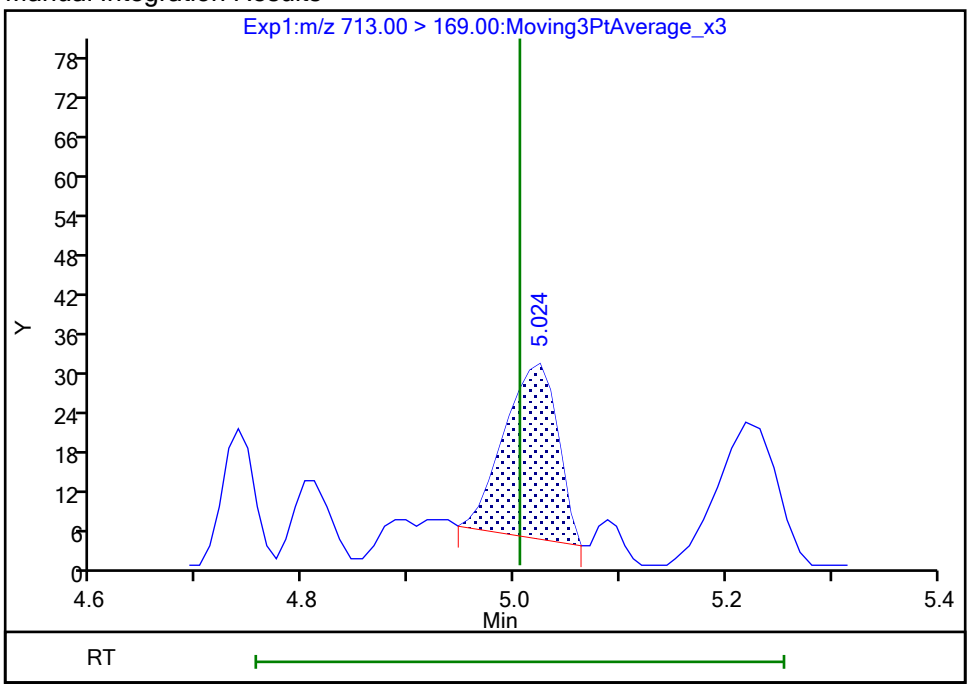
Not Detected
Expected RT: 5.00

Processing Integration Results



Manual Integration Results

RT: 5.02
Area: 93
Amount: 0.001500
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:30:42
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

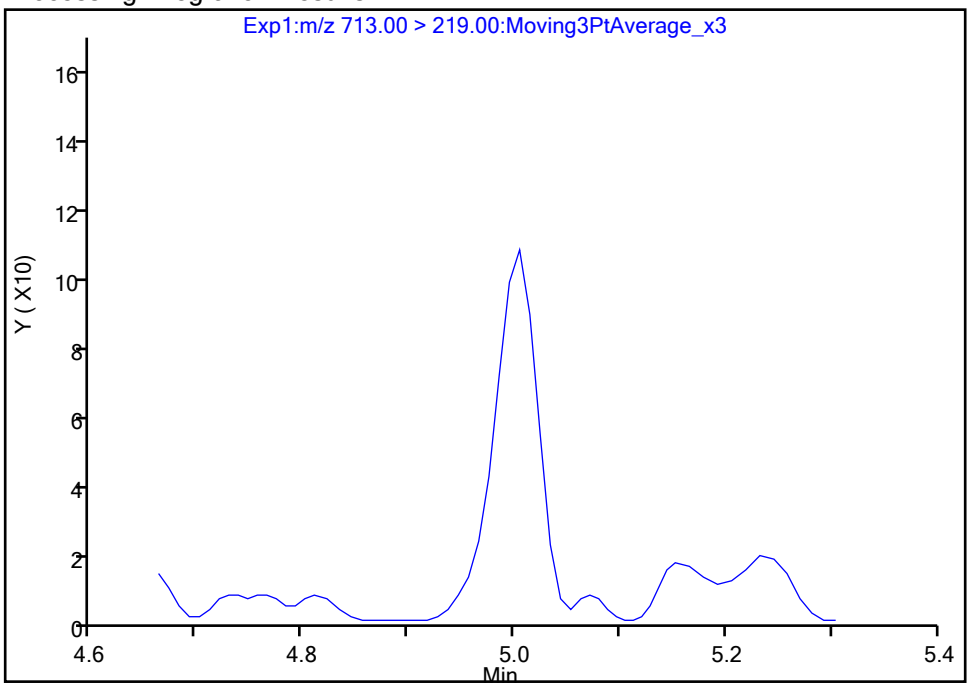
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B16.d				
Injection Date:	03-Mar-2021 21:02:31	Instrument ID:	LC812		
Lims ID:	480-181441-A-7-A	Lab Sample ID:	200-181441-7		
Client ID:	MW-1S-022221				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

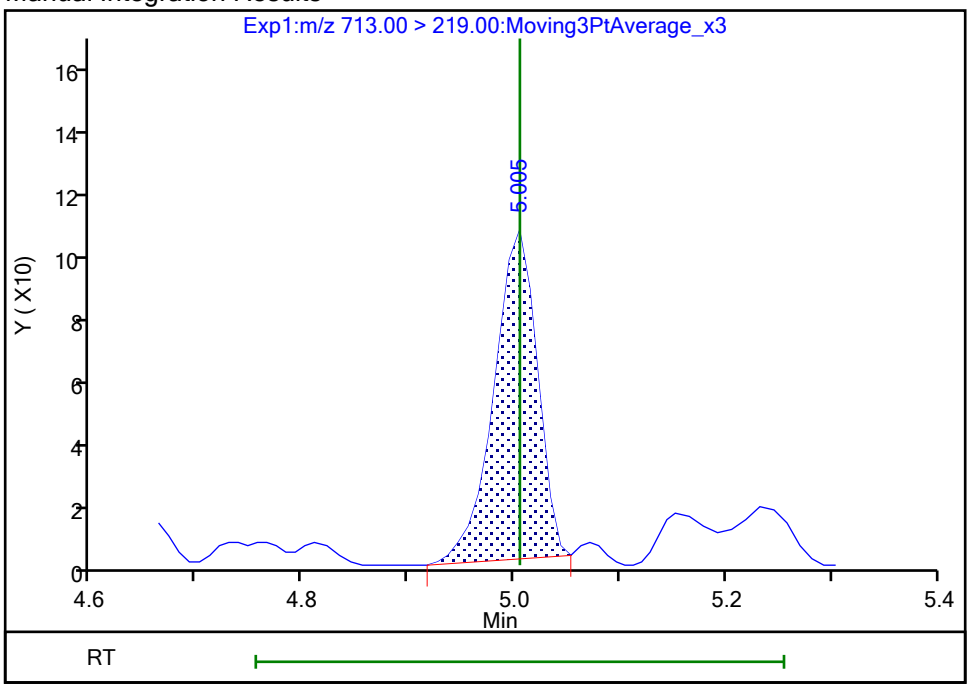
Not Detected
Expected RT: 5.00

Processing Integration Results



Manual Integration Results

RT: 5.00
Area: 287
Amount: 0.001500
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:30:44
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

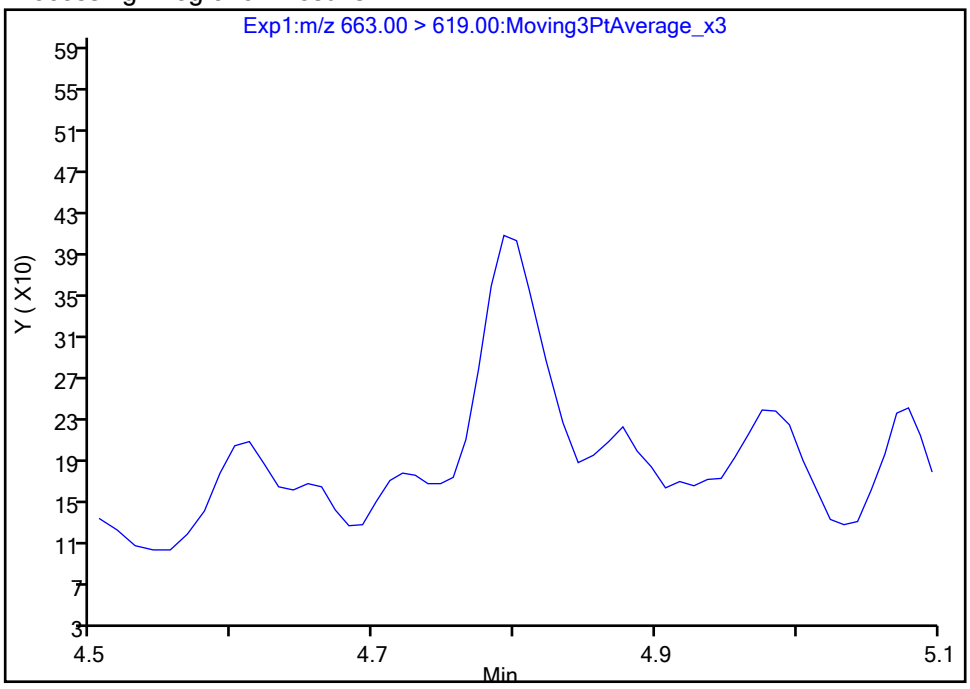
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B16.d				
Injection Date:	03-Mar-2021 21:02:31	Instrument ID:	LC812		
Lims ID:	480-181441-A-7-A	Lab Sample ID:	200-181441-7		
Client ID:	MW-1S-022221				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

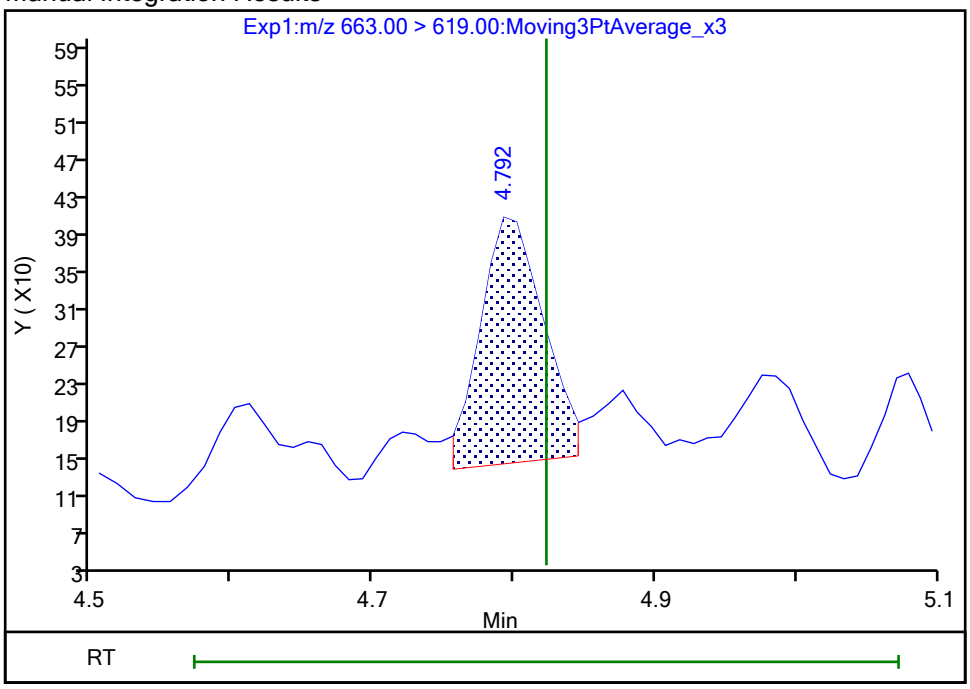
Not Detected
Expected RT: 4.82

Processing Integration Results



Manual Integration Results

RT: 4.79
Area: 799
Amount: 0.001917
Amount Units: ng/ml



Reviewer: deannd, 04-Mar-2021 10:03:24
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

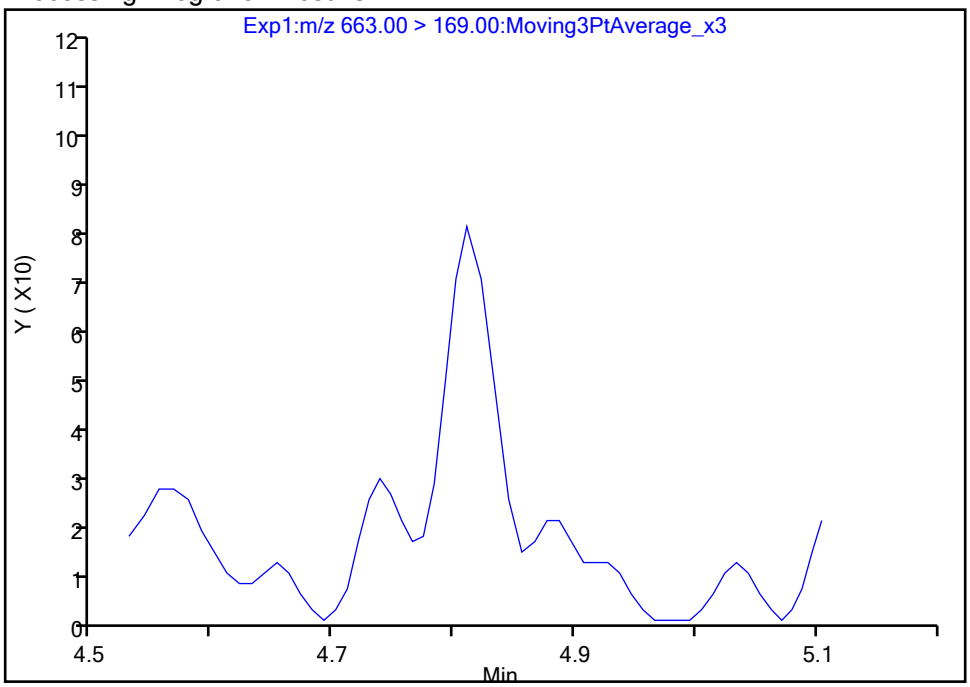
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B16.d				
Injection Date:	03-Mar-2021 21:02:31	Instrument ID:	LC812		
Lims ID:	480-181441-A-7-A	Lab Sample ID:	200-181441-7		
Client ID:	MW-1S-022221				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

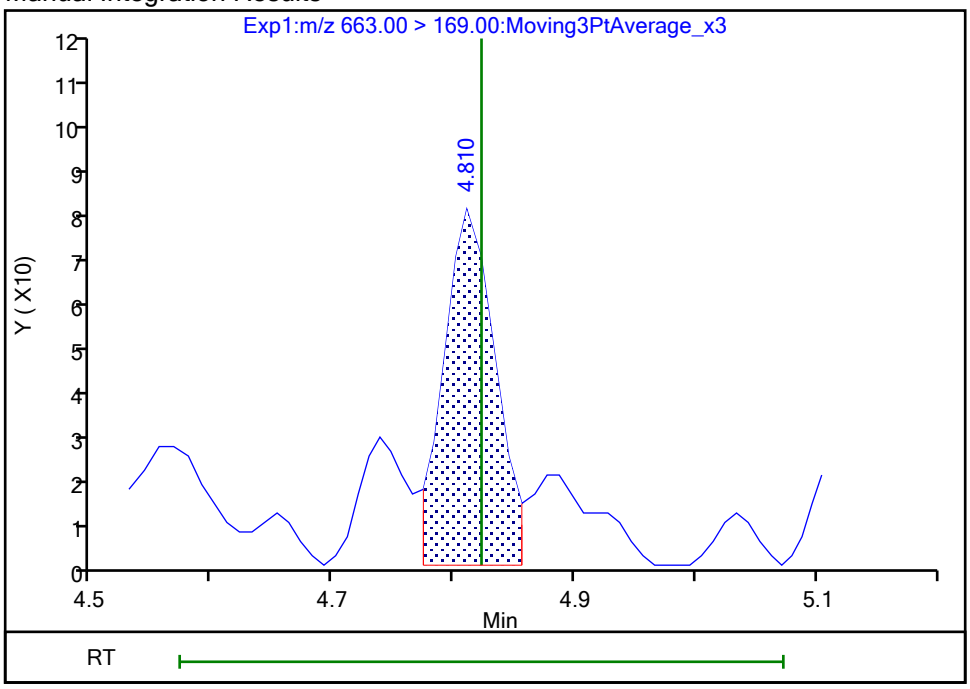
Not Detected
Expected RT: 4.82

Processing Integration Results



Manual Integration Results

RT: 4.81
Area: 220
Amount: 0.001917
Amount Units: ng/ml



Reviewer: deannd, 04-Mar-2021 10:03:28
Audit Action: Manually Integrated Audit Reason: Missed Peak

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Client Sample ID: MW-2S-022321 Lab Sample ID: 480-181441-8

Matrix: Water Lab File ID: PA210303B17.d

Analysis Method: 537 (modified) Date Collected: 02/23/2021 15:20

Extraction Method: 3535 Date Extracted: 03/03/2021 08:24

Sample wt/vol: 273.8(mL) Date Analyzed: 03/03/2021 21:10

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 164492 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
39108-34-4	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.8	0.60
27619-97-2	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.6	0.66
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.6	0.85
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.6	0.72
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		1.8	0.58
375-22-4	Perfluorobutanoic acid (PFBA)	2.7	J	4.6	1.0
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.44
335-76-2	Perfluorodecanoic acid (PFDA)	ND		1.8	0.42
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		1.8	0.42
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8	0.36
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		1.8	0.42
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.61
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		1.8	0.76
375-95-1	Perfluorononanoic acid (PFNA)	ND		1.8	0.53
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.52
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		1.8	0.79
335-67-1	Perfluorooctanoic acid (PFOA)	ND		1.8	0.89
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		1.8	0.99
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		1.8	0.54
72629-94-8	Perfluorotridecanoic acid (PFTriA)	ND		1.8	0.39
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.67

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Client Sample ID: MW-2S-022321 Lab Sample ID: 480-181441-8

Matrix: Water Lab File ID: PA210303B17.d

Analysis Method: 537 (modified) Date Collected: 02/23/2021 15:20

Extraction Method: 3535 Date Extracted: 03/03/2021 08:24

Sample wt/vol: 273.8(mL) Date Analyzed: 03/03/2021 21:10

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 164492 Units: ng/L

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00996	13C2 PFDA	96		50-150
STL00998	13C2 PFDoA	85		50-150
STL00993	13C2 PFHxA	105		50-150
STL02116	13C2 PFTeDA	81		50-150
STL00997	13C2 PFUnA	90		50-150
STL02337	13C3 PFBS	99		50-150
STL00992	13C4 PFBA	85		25-150
STL01892	13C4 PFHpA	103		50-150
STL00990	13C4 PFOA	103		50-150
STL00991	13C4 PFOS	101		50-150
STL00995	13C5 PFNA	100		50-150
STL01893	13C5 PFPeA	100		25-150
STL01056	13C8 FOSA	94		25-150
STL00994	18O2 PFHxS	101		50-150
STL02118	d3-NMeFOSAA	90		50-150
STL02117	d5-NEtFOSAA	92		50-150
STL02279	M2-6:2 FTS	106		25-150
STL02280	M2-8:2 FTS	103		25-150

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B17.d
Lims ID: 480-181441-A-8-A
Client ID: MW-2S-022321
Sample Type: Client
Inject. Date: 03-Mar-2021 21:10:48 ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: 480-181441-A-8-A
Misc. Info.: 200-0045034-017 Plate: 1 Rack: 2
Operator ID: lc812tech Instrument ID: LC812

Method: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 04-Mar-2021 11:31:15 Calib Date: 22-Dec-2020 13:29:37
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1647

First Level Reviewer: khanphomeea Date: 04-Mar-2021 10:37:30
Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.082	2.091	-0.009	0.596	1385557	1.06		85.1	9323	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.082	2.091	-0.009	1.000	82759	0.0745			14.2	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.400	2.413	-0.013	0.687	1175988	1.25		99.9	2669	
4 Perfluoropentanoic acid										
262.90 > 219.00	2.400	2.413	-0.013	1.000	15002	0.0144			0.5	
D 47 13C3 PFBS										M
301.90 > 80.00	2.426	2.439	-0.013	0.695	1431681	1.15		99.3	111742	M
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.426	2.439	-0.013	1.000	14343	0.0103	Target=2.21		4.2	
298.90 > 99.00	2.426	2.439	-0.013	1.000	6017		2.38(1.11-3.32)		2.7	
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.722	2.734	-0.012	0.779	122492	1.18		101	38.7	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.770	2.770	0.0	0.793	1299248	1.32		105	3732	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.770	2.770	0.0	1.000	9925	0.008741	Target=12.83		1.4	M
313.00 > 119.00	2.770	2.770	0.0	1.000	1185		8.38(6.42-19.25)		2.3	M
D 64 13C3 HFPO-DA										
332.10 > 287.00	2.868	2.880	-0.012	0.821	130145	0.7487		59.9	845	
67 Perfluoro(2-propoxypropanoic) ac										M
329.10 > 285.00	2.880	2.880	0.0	1.004	2315	0.0160			0.4	M
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.132	3.132	0.0	1.000	5870	0.005365	Target=4.15		4.2	M
399.00 > 99.00	3.121	3.132	-0.011	0.997	1585		3.70(2.08-6.23)		1.6	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 11 18O2 PFHxS										
403.00 > 84.00	3.132	3.132	0.0	0.897	1097789	1.19		101	2167	
D 9 13C4 PFHpA										
367.00 > 322.00	3.132	3.143	-0.011	0.897	1220968	1.29		103	2578	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.143	3.143	0.0	1.003	3102	0.002908	Target=3.66		0.7	
363.00 > 169.00	3.143	3.143	0.0	1.003	1066		2.91(1.83-5.49)		2.4	M
77 DONA										RM
377.00 > 251.00	3.175	3.175	0.0	0.835	948	0.000442	Target=2.43		1.6	RM
377.00 > 85.00	3.164	3.175	-0.011	0.832	193		4.91(1.22-3.65)		0.4	M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.483	3.483	0.0	0.997	144295	1.25		106	235	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.483	3.483	0.0	1.000	1172	0.008671			20.7	M
D 14 13C4 PFOA										
417.00 > 372.00	3.492	3.492	0.0	1.000	1231149	1.28		103	3415	
* 62 13C2 PFOA										
415.00 > 370.00	3.492	3.492	0.0		1212695	1.25			4211	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.420	3.492	-0.072	0.979	13359	0.0125	Target=2.58		2.3	M
413.00 > 169.00	3.393	3.492	-0.099	0.972	6018		2.22(1.29-3.87)		8.6	M
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.681	3.804	-0.123	0.968	3602	0.004886	Target=5.65		1.1	M
499.00 > 99.00	3.629	3.804	-0.175	0.954	629		5.73(2.82-8.47)		1.5	M
D 18 13C4 PFOS										
503.00 > 80.00	3.804	3.804	0.0	1.089	765971	1.21		101	1690	
D 19 13C5 PFNA										
468.00 > 423.00	3.824	3.825	-0.001	1.095	1061696	1.25		100	5214	
20 Perfluorononanoic acid										M
463.00 > 419.00	3.836	3.825	0.011	1.003	2412	0.002566	Target=7.44		0.7	M
463.00 > 169.00	3.824	3.825	-0.001	1.000	544		4.43(3.72-11.16)		6.0	M
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.964	3.964	0.0	1.042	464	0.000564			4.1	M
68 Perfluorononanesulfonic acid										RM
549.00 > 80.00	4.081	4.093	-0.012	1.073	271	0.000493	Target=2.54		1.5	RM
549.00 > 99.00	4.092	4.093	-0.001	1.076	432		0.63(1.27-3.81)		2.3	M
D 23 13C2 PFDA										
515.00 > 470.00	4.126	4.126	0.0	1.182	973262	1.20		96.2	5302	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.137	4.137	0.0	1.185	146379	1.23		103	744	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.081	4.137	-0.056	0.986	89	0.001071				M
D 21 13C8 FOSA										
506.00 > 78.00	4.214	4.225	-0.011	1.207	1396578	1.17		93.9	3173	
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.214	4.225	-0.011	1.000	2255	0.002014			22.8	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.268	4.268	0.0	1.222	66100	1.13		90.0	754	
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.302	4.268	0.034	1.008	94	0.002006			0.7	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.358	4.358	0.0	1.146	327	0.000746	Target=2.80		2.9	M
599.00 > 99.00	4.369	4.358	0.011	1.149	174		1.88(1.40-4.19)		1.4	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.391	4.391	0.0	1.257	748751	1.13		90.1	3552	
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.391	4.391	0.0	1.000	1816	0.002973	Target=8.12		1.2	M
563.00 > 169.00	4.391	4.391	0.0	1.000	209		8.69(4.06-12.18)		4.1	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.402	4.402	0.0	1.261	65516	1.15		92.3	552	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.369	4.402	-0.033	0.992	78	0.001608			1.6	M
66 11-Chloroeicosafluoro-3-oxaundec										M
631.00 > 451.00	4.479	4.480	-0.001	1.178	456	0.000534			11.4	M
D 36 13C2 PFDoA										
615.00 > 570.00	4.612	4.612	0.0	1.321	743735	1.06		84.7	4145	
D 43 13C2 PFTeDA										
715.00 > 670.00	5.015	5.005	0.010	1.436	526396	1.01		81.1	2175	
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.015	5.005	0.010	1.000	151	0.001934	Target=1.06		6.1	M
713.00 > 219.00	4.995	5.005	-0.010	0.996	235		0.64(0.53-1.59)		9.6	M
D 44 13C2 PFHxDA										
815.00 > 770.00	5.360	5.349	0.011	1.535	505315	0.9109		72.9	2668	
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.360	5.349	0.011	1.000	4700	-0.002770	Target=3.84		2.7	
813.00 > 169.00	5.360	5.349	0.011	1.000	1342		3.50(1.92-5.76)		48.7	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.683	5.665	0.018	1.060	366	0.001006	Target=3.92		0.5	
913.00 > 169.00	5.683	5.665	0.018	1.060	98		3.73(1.96-5.88)		5.0	M

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Report Date: 04-Mar-2021 11:31:21 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B17.d

Injection Date: 03-Mar-2021 21:10:48 Instrument ID: LC812

Lims ID: 480-181441-A-8-A Lab Sample ID: 200-181441-8

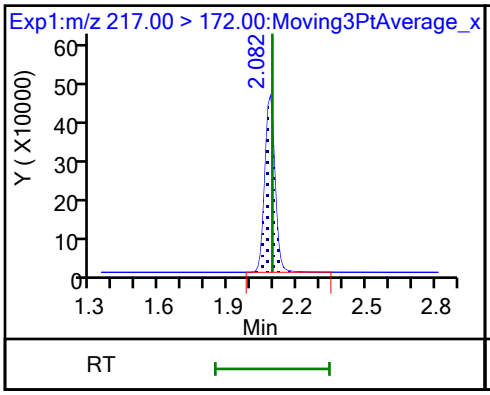
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Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 17

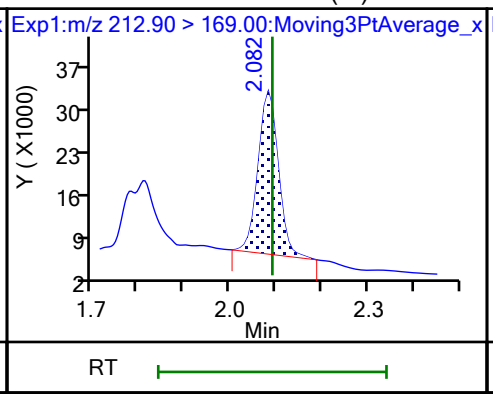
Injection Vol: 20.0 ul Dil. Factor: 1.0000

Method: PFC_LC812 Limit Group: LC_PFC_ICAL

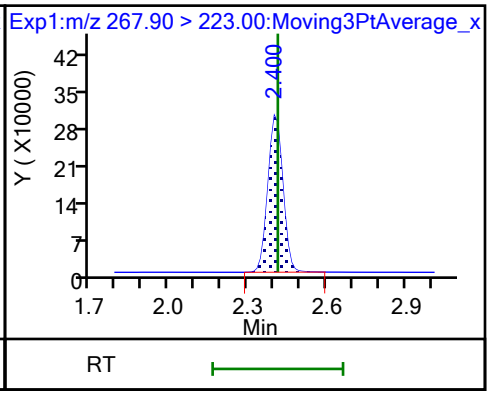
D 1 13C4 PFBA



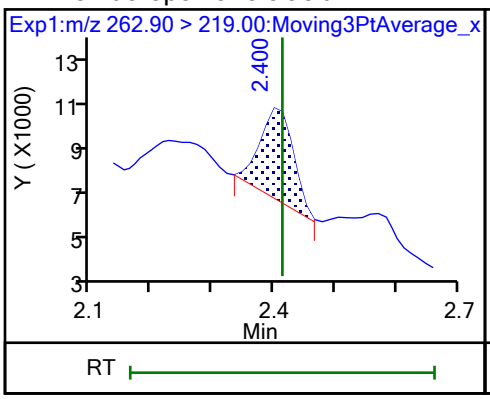
2 Perfluorobutanoic acid (M)



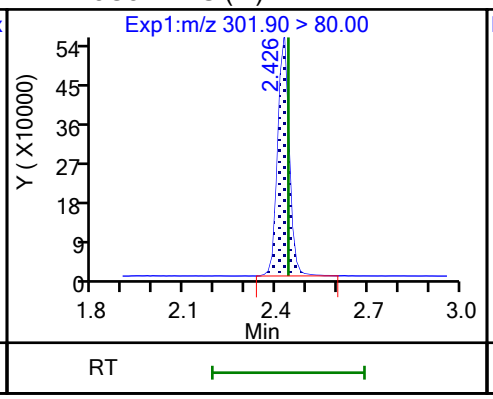
D 3 13C5 PFPeA



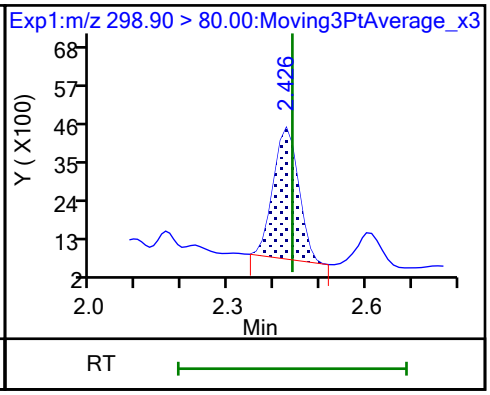
4 Perfluoropentanoic acid



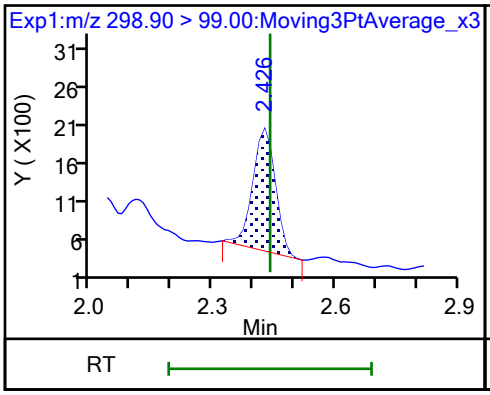
D 47 13C3 PFBS (M)



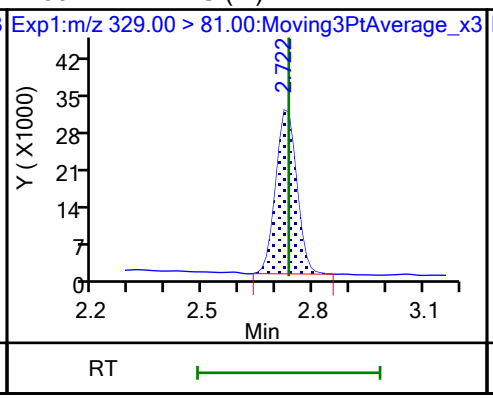
5 Perfluorobutanesulfonic acid



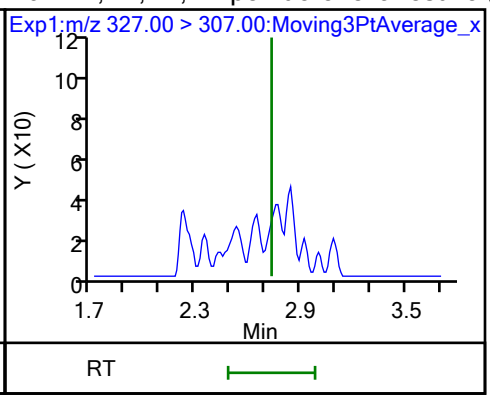
5 Perfluorobutanesulfonic acid



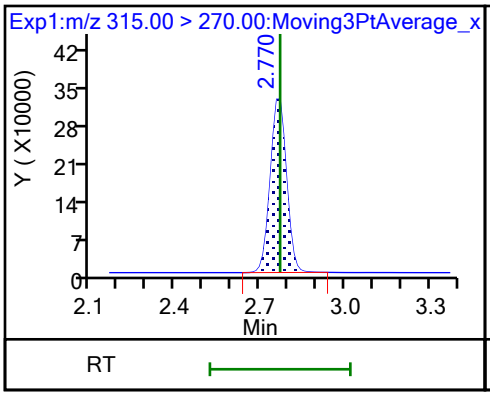
D 60 M2-4:2 FTS (M)



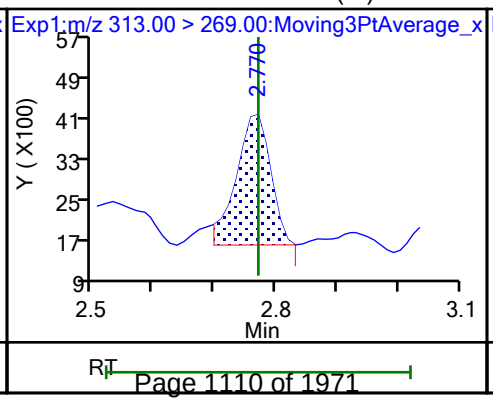
61 1H,1H,2H,2H-perfluorohexanesulfo (ND)



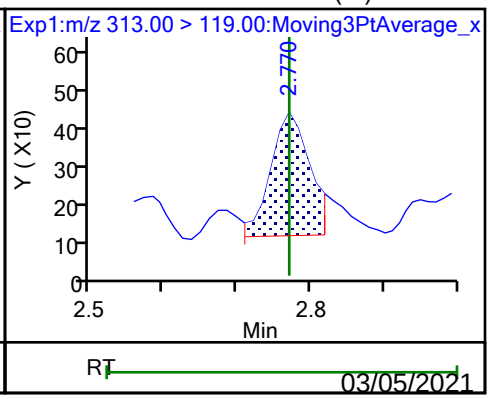
D 7 13C2 PFHxA



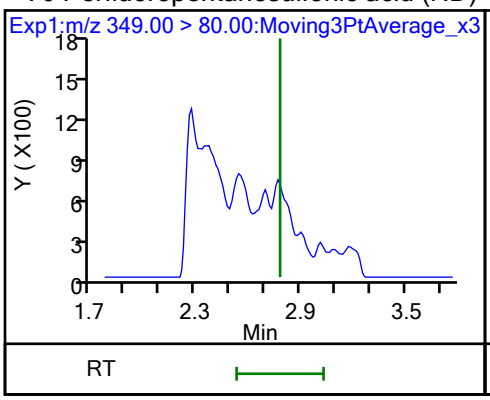
6 Perfluorohexanoic acid (M)



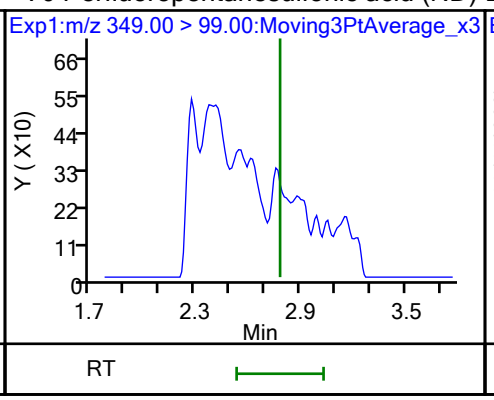
6 Perfluorohexanoic acid (M)

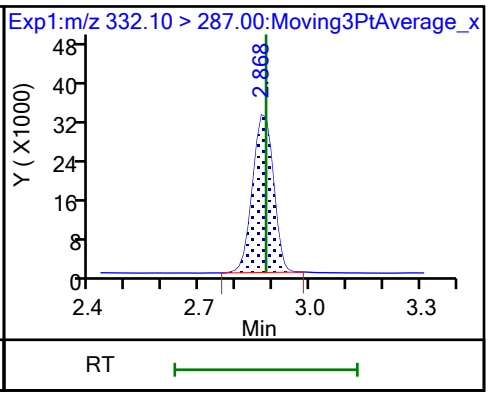


70 Perfluoropentanesulfonic acid (ND)

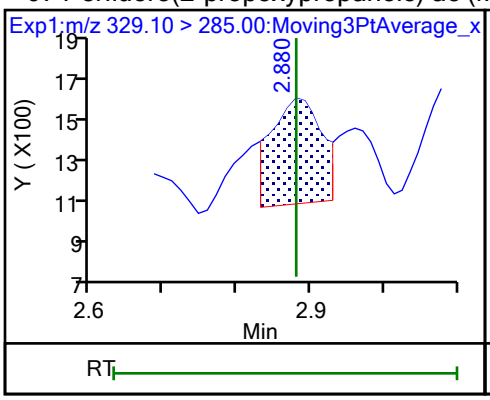


70 Perfluoropentanesulfonic acid (ND) D 64 13C3 HFPO-DA

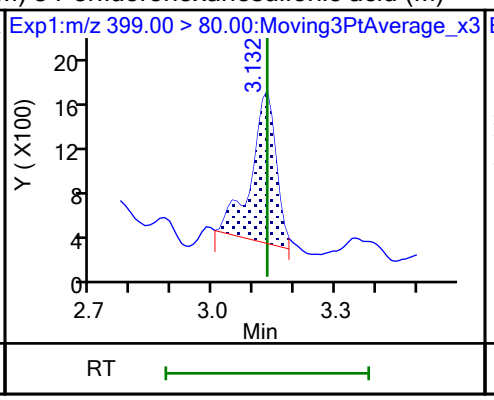




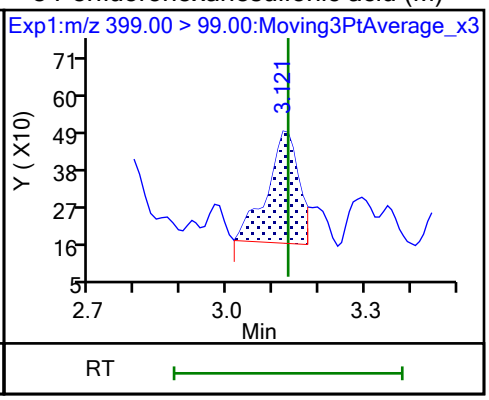
67 Perfluoro(2-propoxypropanoic) ac (M)



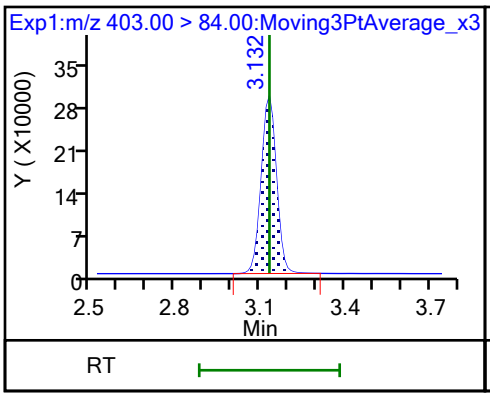
8 Perfluorohexanesulfonic acid (M)



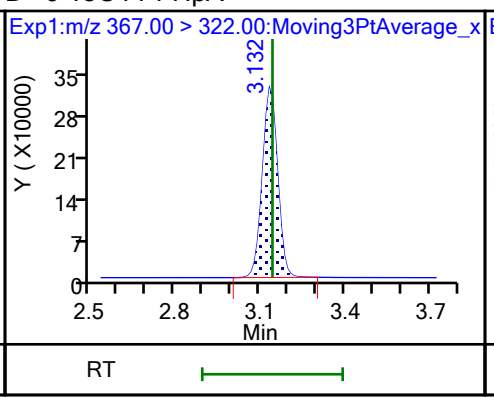
8 Perfluorohexanesulfonic acid (M)



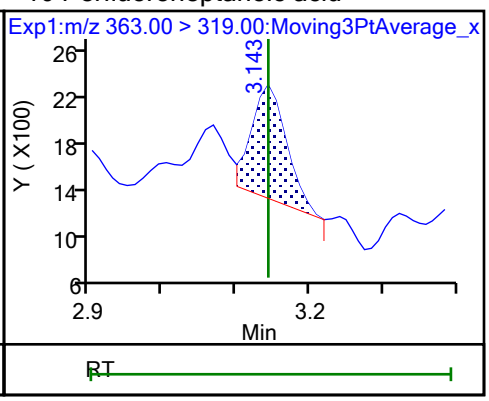
D 11 18O2 PFHxS



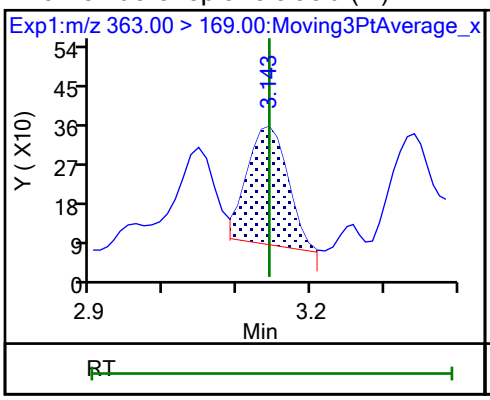
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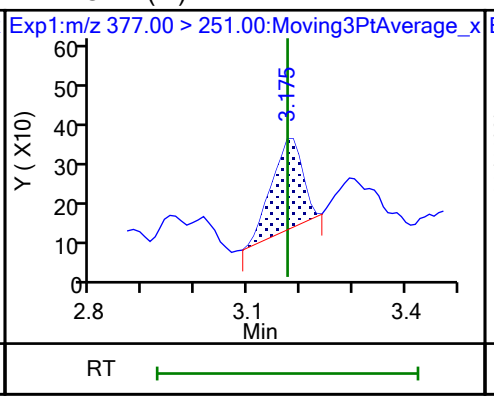
10 Perfluoroheptanoic acid



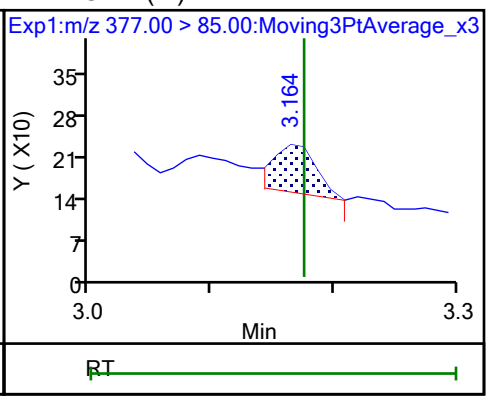
10 Perfluoroheptanoic acid (M)



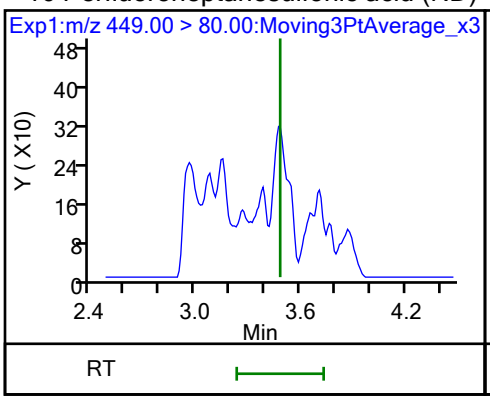
77 DONA (M)



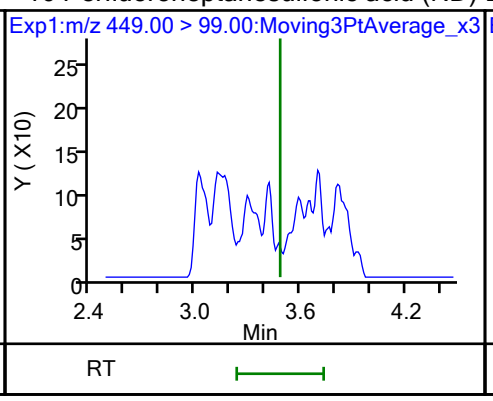
77 DONA (M)

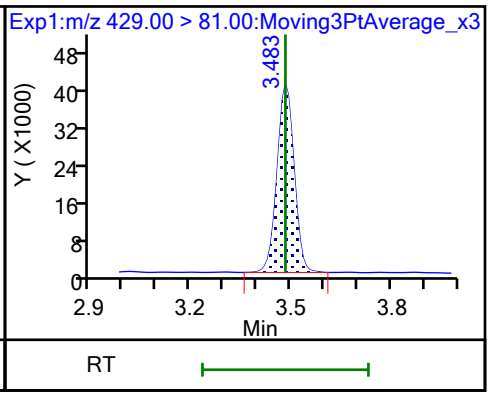


16 Perfluoroheptanesulfonic acid (ND)

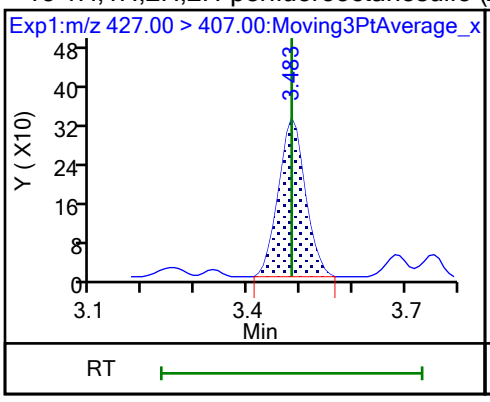


16 Perfluoroheptanesulfonic acid (ND) D 12 M2-6:2 FTS

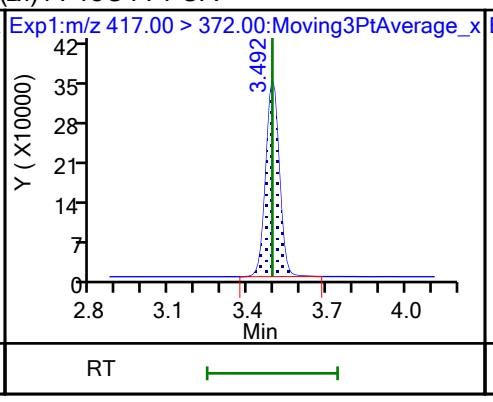




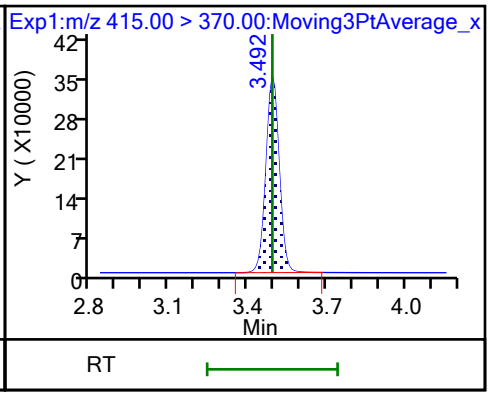
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



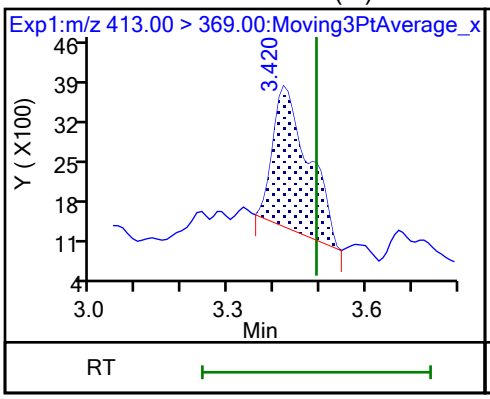
14 13C4 PFOA



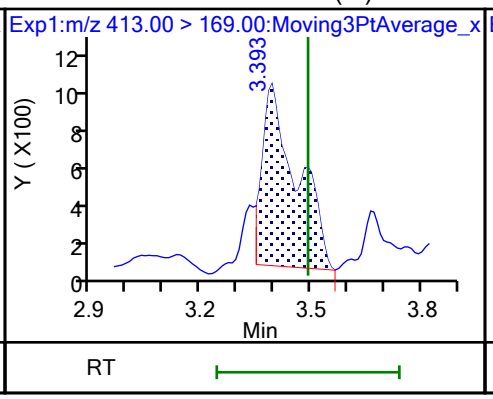
* 62 13C2 PFOA



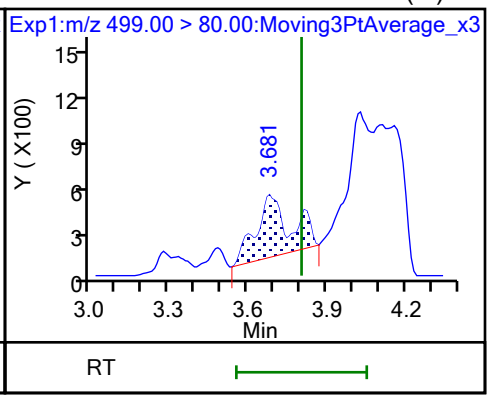
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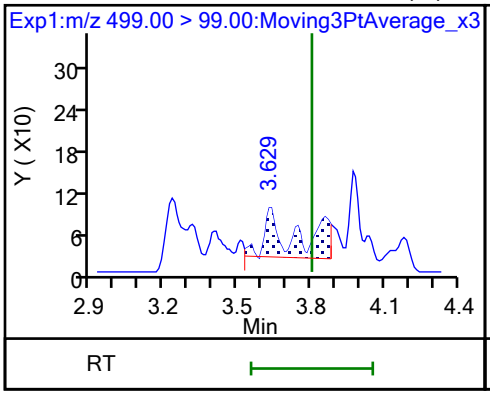
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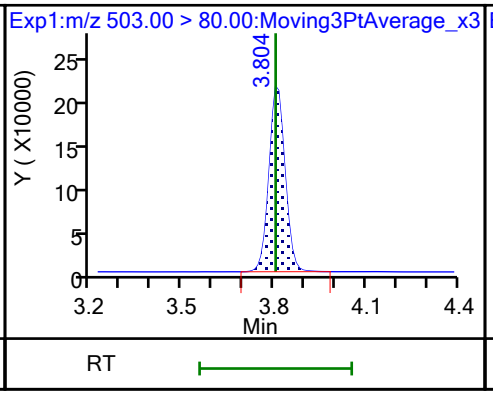
17 Perfluorooctanesulfonic acid (M)



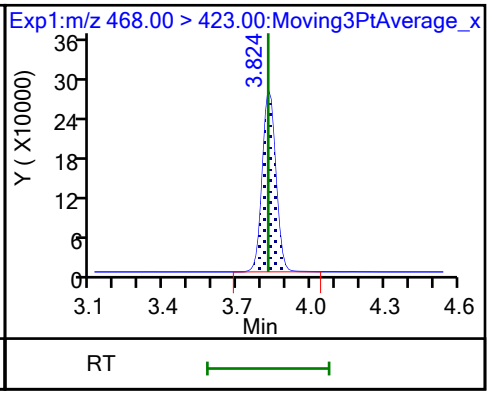
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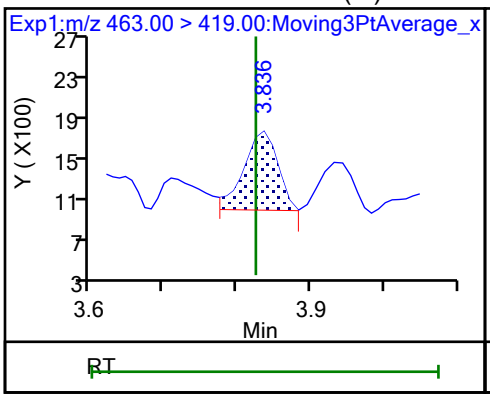
D 18 13C4 PFOS



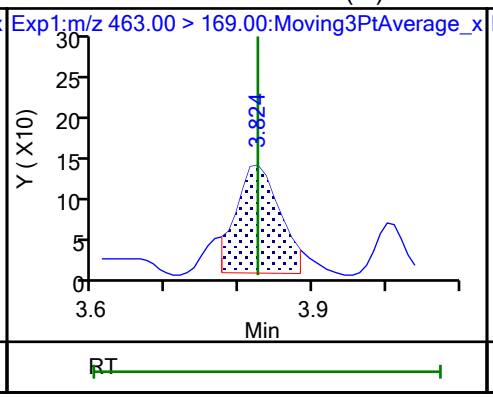
D 19 13C5 PFNA



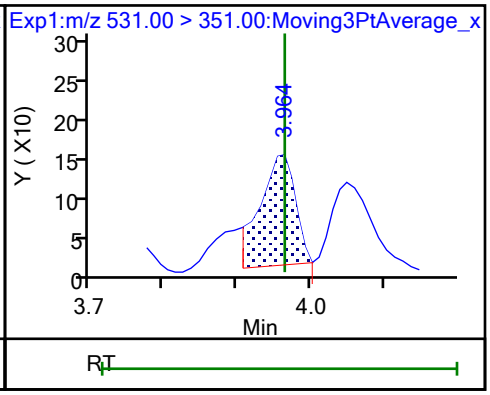
20 Perfluorononanoic acid (M)



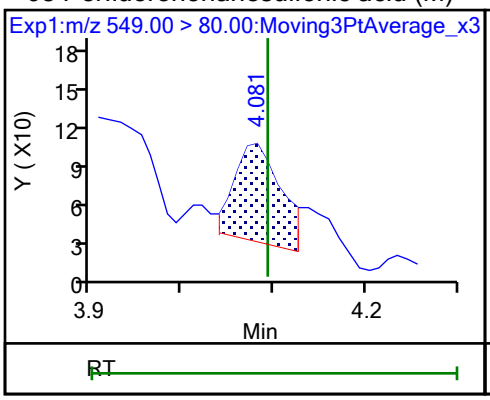
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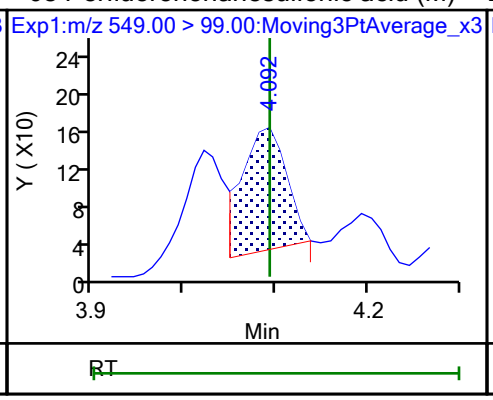
69 9-Chlorohexadecafluoro-3-oxanona (M)



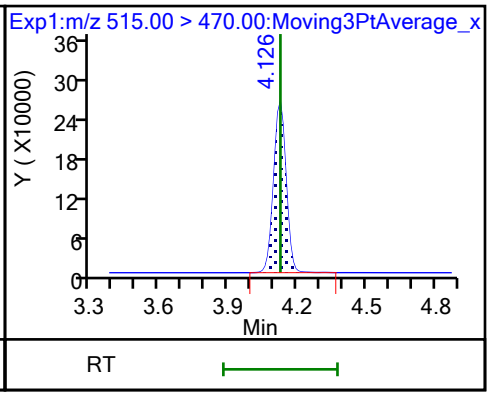
68 Perfluorononanesulfonic acid (M)



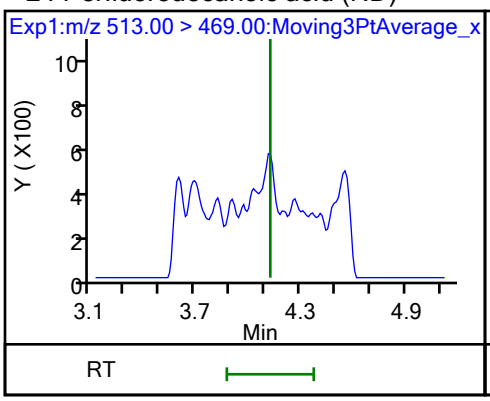
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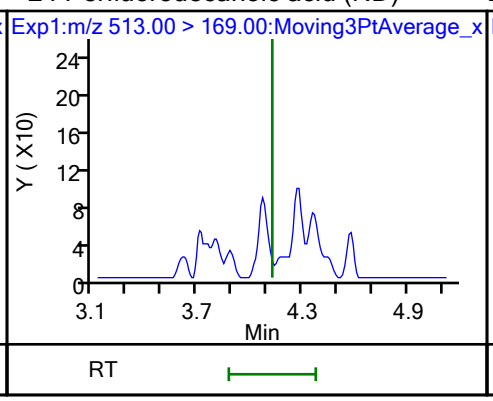
D 23 13C2 PFDA



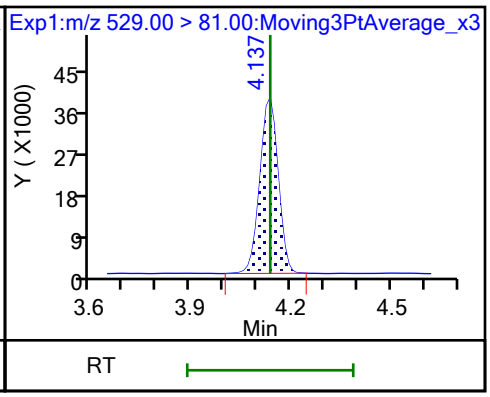
24 Perfluorodecanoic acid (ND)



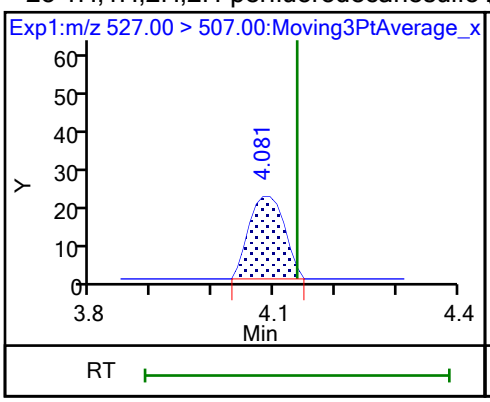
24 Perfluorodecanoic acid (ND)



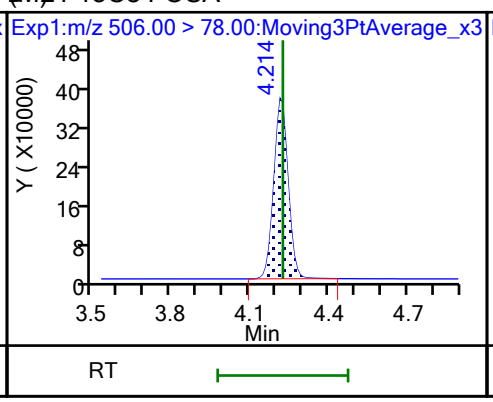
D 26 M2-8:2 FTS



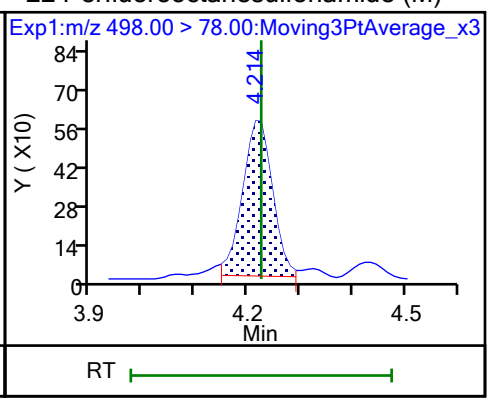
25 1H,1H,2H,2H-perfluorodecanesulfo (M)



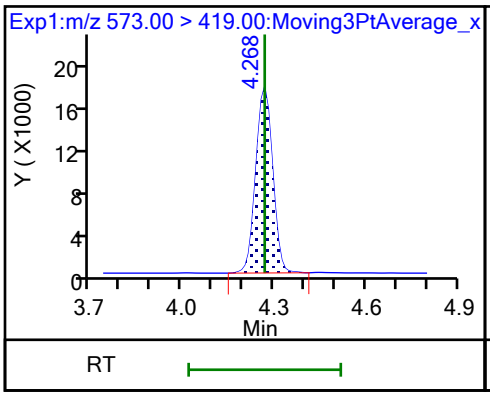
D 21 13C8 FOSA



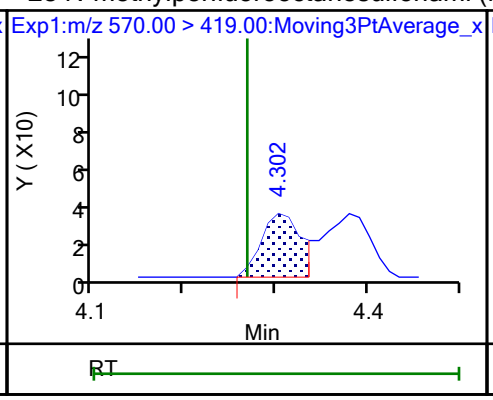
22 Perfluorooctanesulfonamide (M)



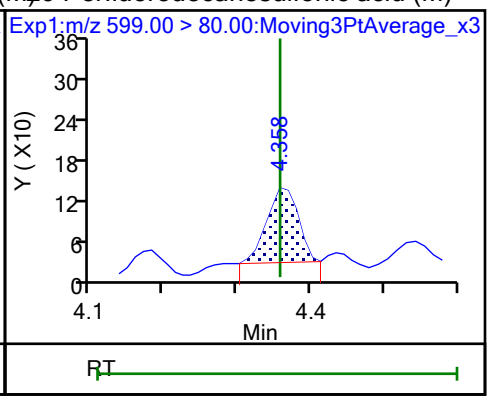
D 27 d3-NMeFOSAA



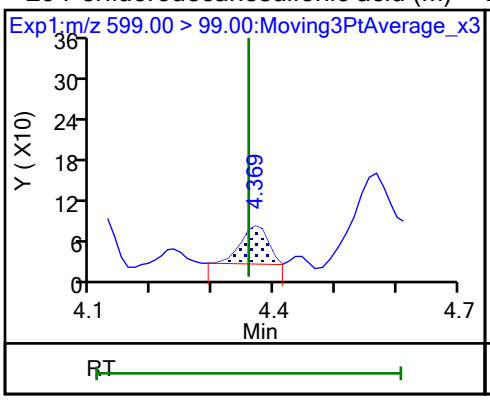
28 N-methylperfluorooctanesulfonami (M)



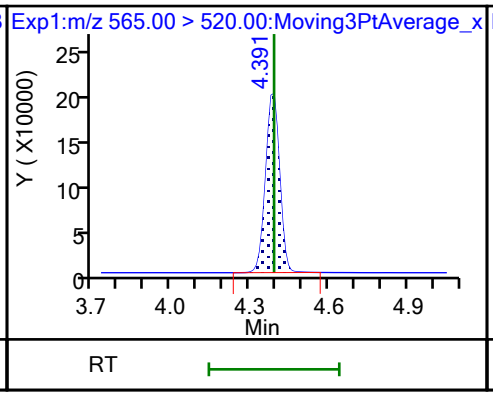
29 Perfluorodecanesulfonic acid (M)



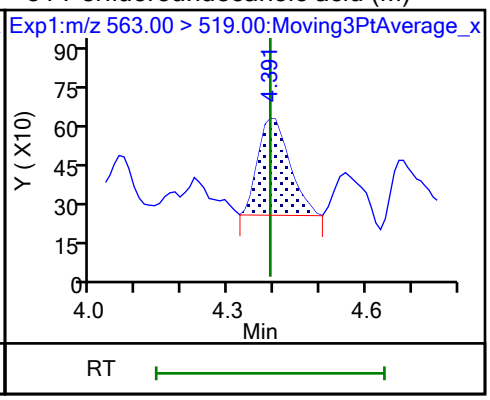
29 Perfluorodecanesulfonic acid (M)



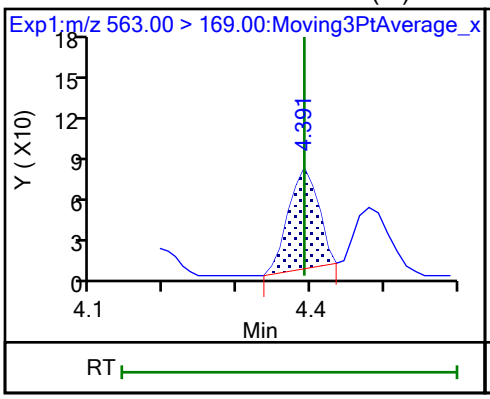
D 30 13C2 PFUnA



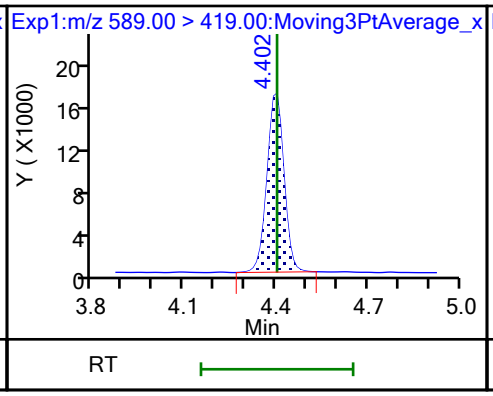
31 Perfluoroundecanoic acid (M)



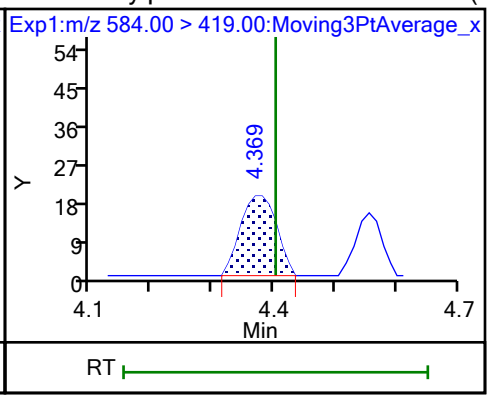
31 Perfluoroundecanoic acid (M)



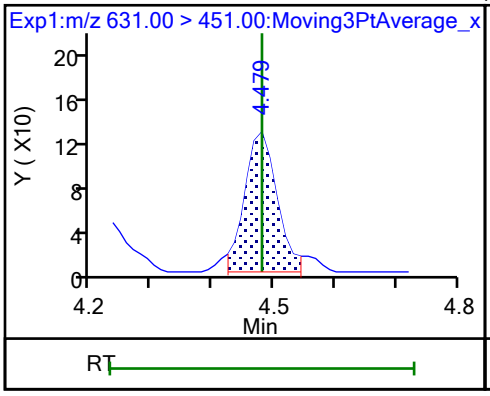
D 32 d5-NEtFOSAA



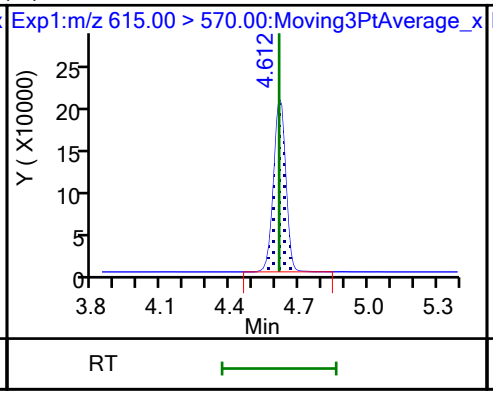
33 N-ethylperfluorooctanesulfonamid (M)



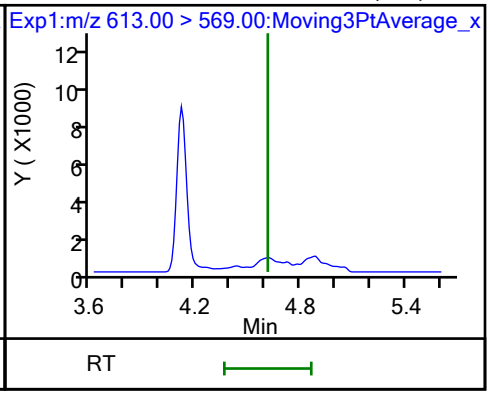
66 11-Chloroeicosafluoro-3-oxaundec (M)



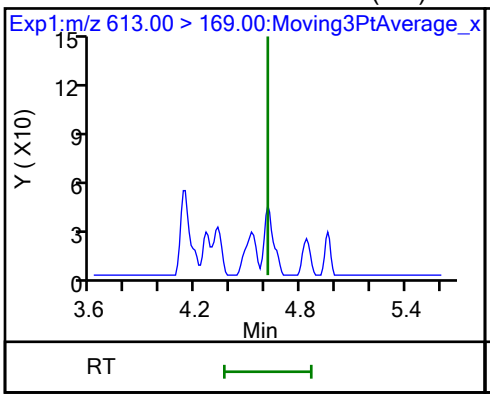
D 36 13C2 PFDoA



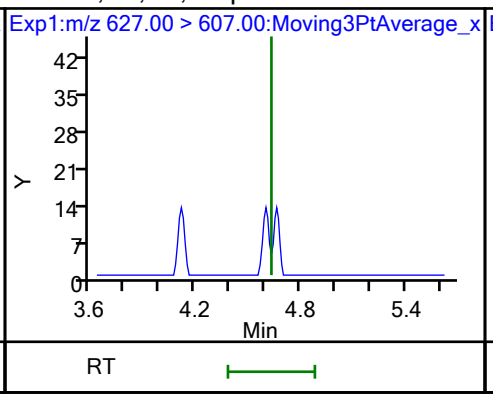
37 Perfluorododecanoic acid (ND)



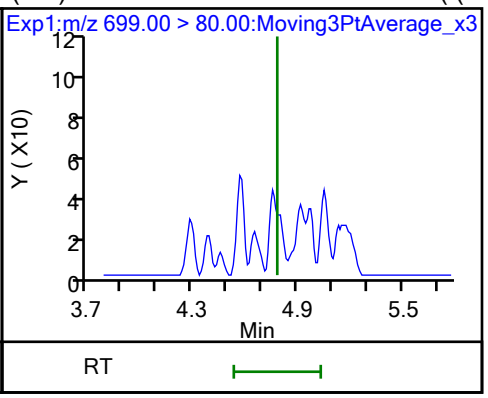
37 Perfluorododecanoic acid (ND)



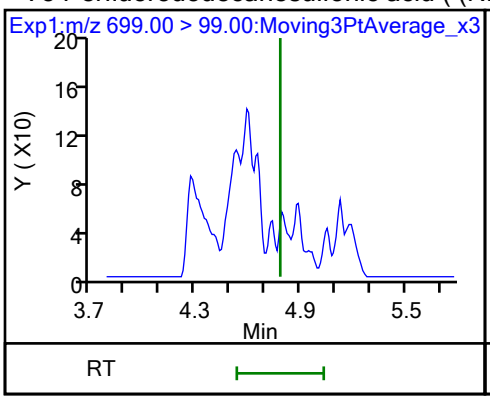
74 1H,1H,2H,2H-perfluorododecanesul (ND)



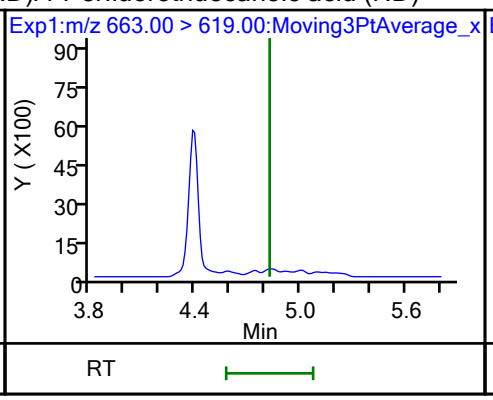
75 Perfluorododecanesulfonic acid ((ND)



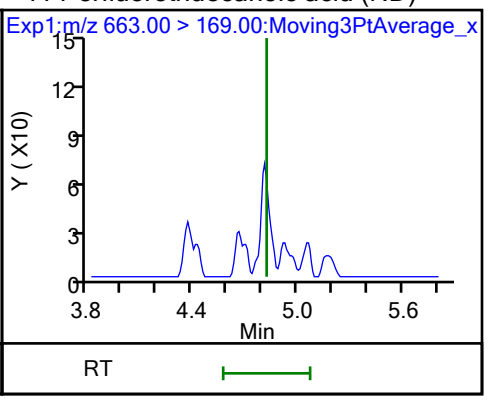
75 Perfluorododecanesulfonic acid ((ND)



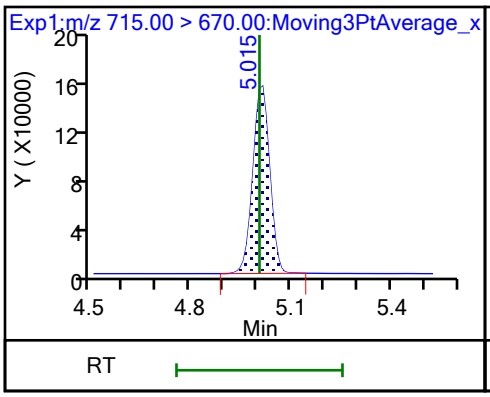
41 Perfluorotridecanoic acid (ND)



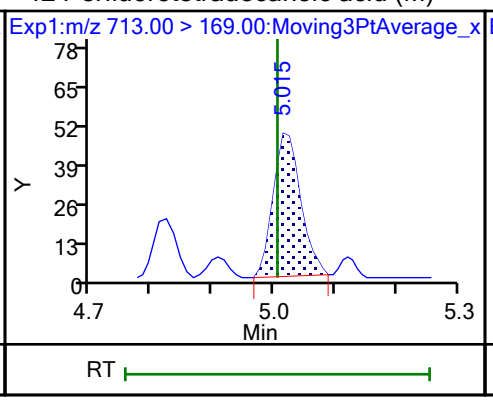
41 Perfluorotridecanoic acid (ND)



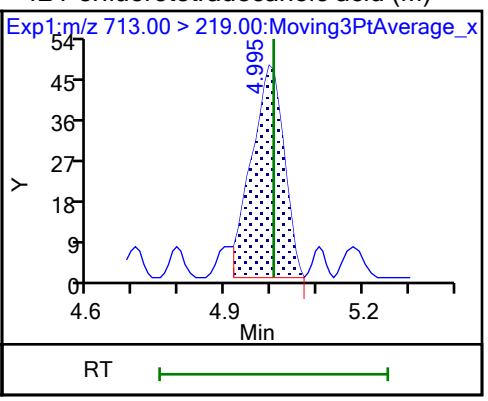
D 43 13C2 PFTeDA



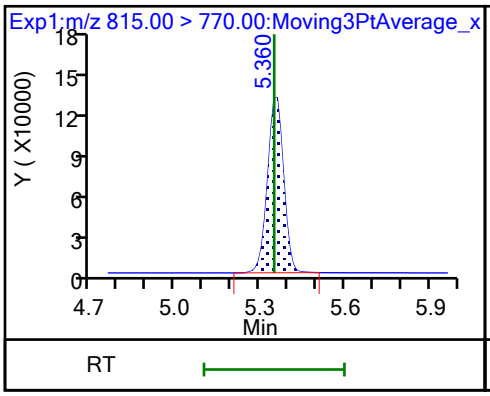
42 Perfluorotetradecanoic acid (M)



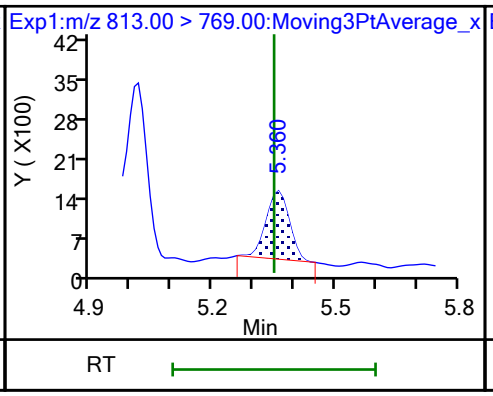
42 Perfluorotetradecanoic acid (M)



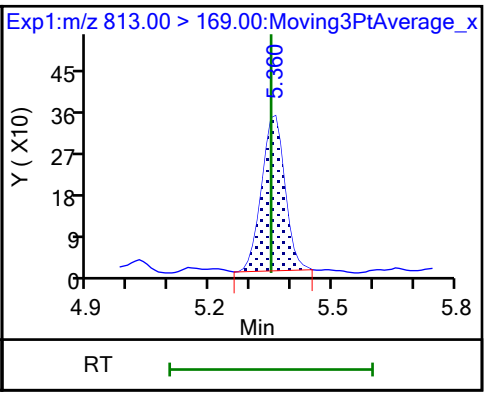
D 44 13C2 PFHxDA



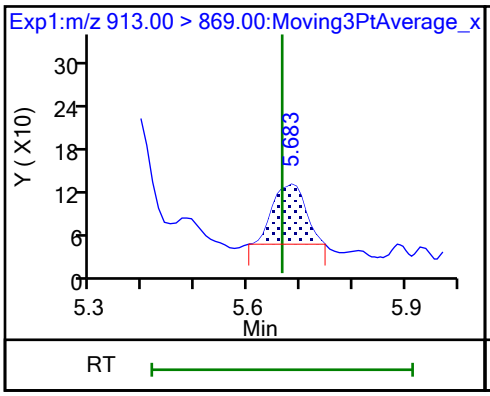
45 Perfluorohexadecanoic acid



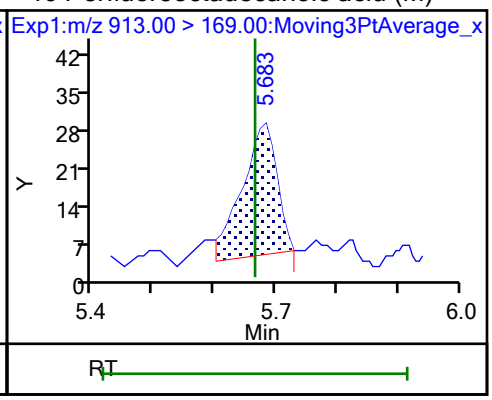
45 Perfluorohexadecanoic acid



46 Perfluorooctadecanoic acid



46 Perfluorooctadecanoic acid (M)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

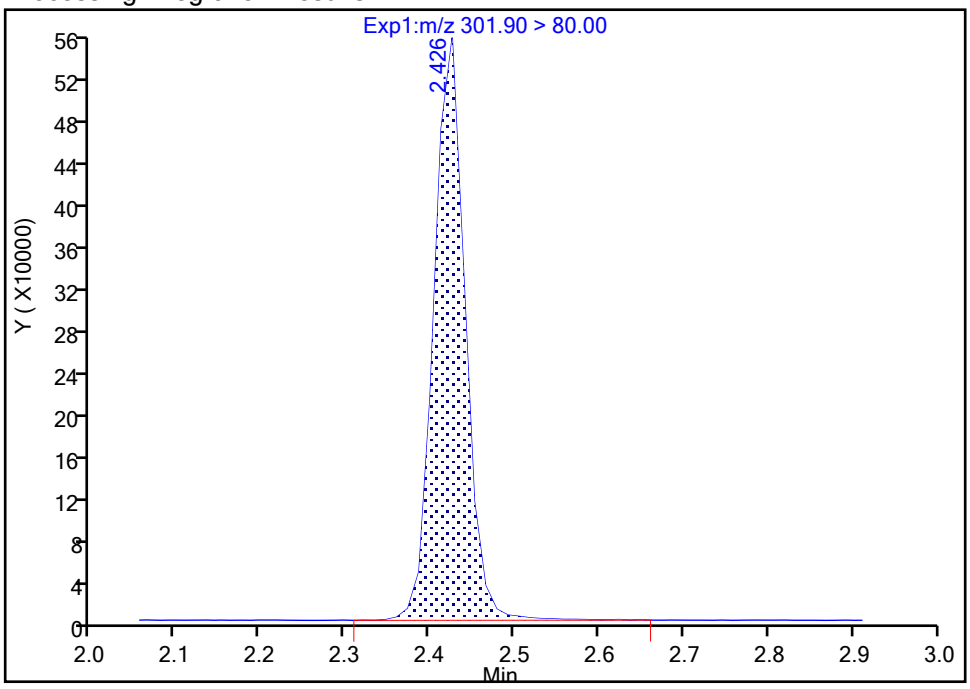
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B17.d				
Injection Date:	03-Mar-2021 21:10:48	Instrument ID:	LC812		
Lims ID:	480-181441-A-8-A	Lab Sample ID:	200-181441-8		
Client ID:	MW-2S-022321				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

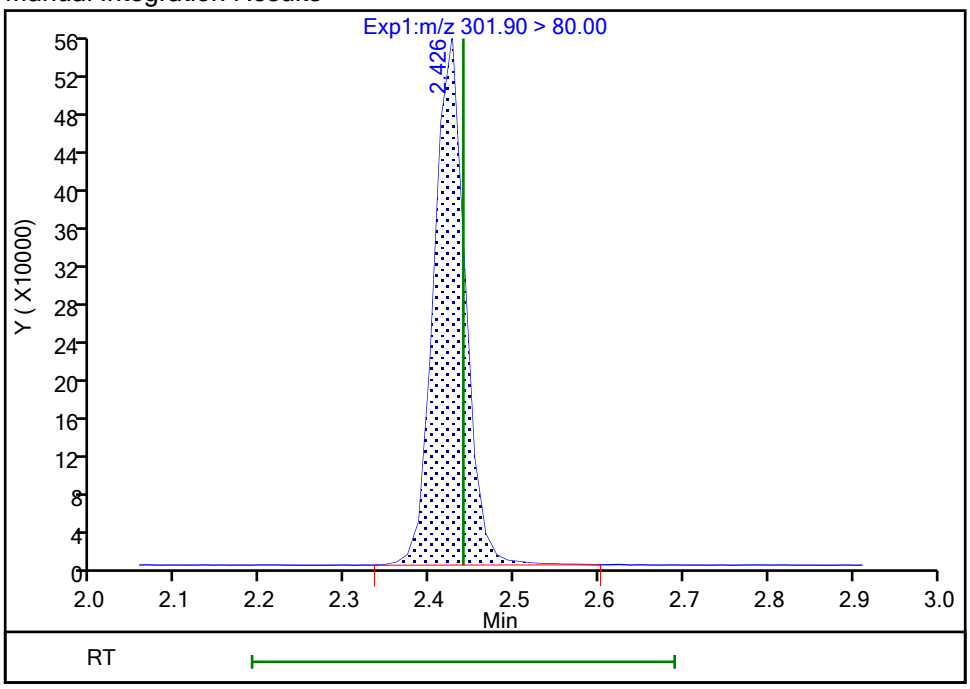
Processing Integration Results

RT: 2.43
Area: 1435076
Amount: 1.157652
Amount Units: ng/ml



Manual Integration Results

RT: 2.43
Area: 1431681
Amount: 1.154913
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:32:23

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

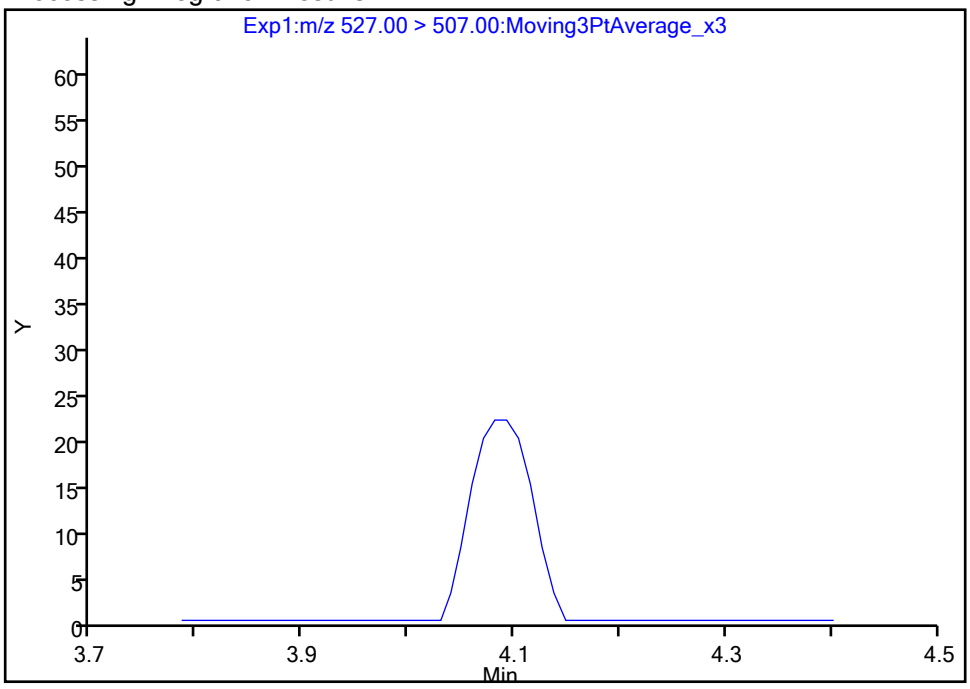
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Lims ID:	480-181441-A-8-A	Lab Sample ID:	200-181441-8		
Client ID:	MW-2S-022321				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

25 1H,1H,2H,2H-perfluorodecanesulfo, CAS: 39108-34-4

Signal: 1

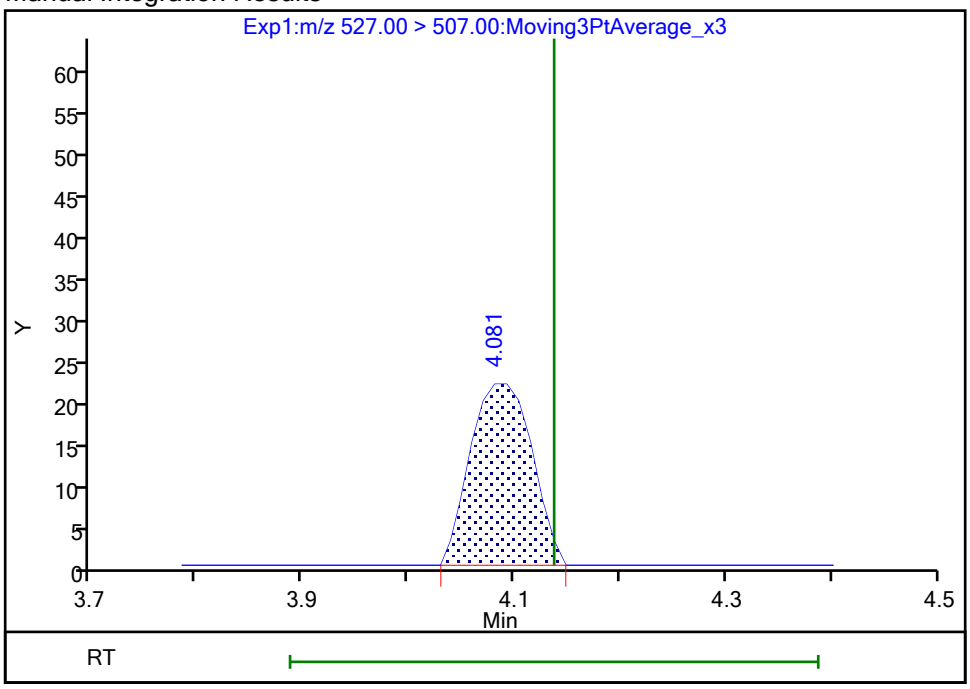
Not Detected
Expected RT: 4.14

Processing Integration Results



Manual Integration Results

RT: 4.08
Area: 89
Amount: 0.001071
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:35:49
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

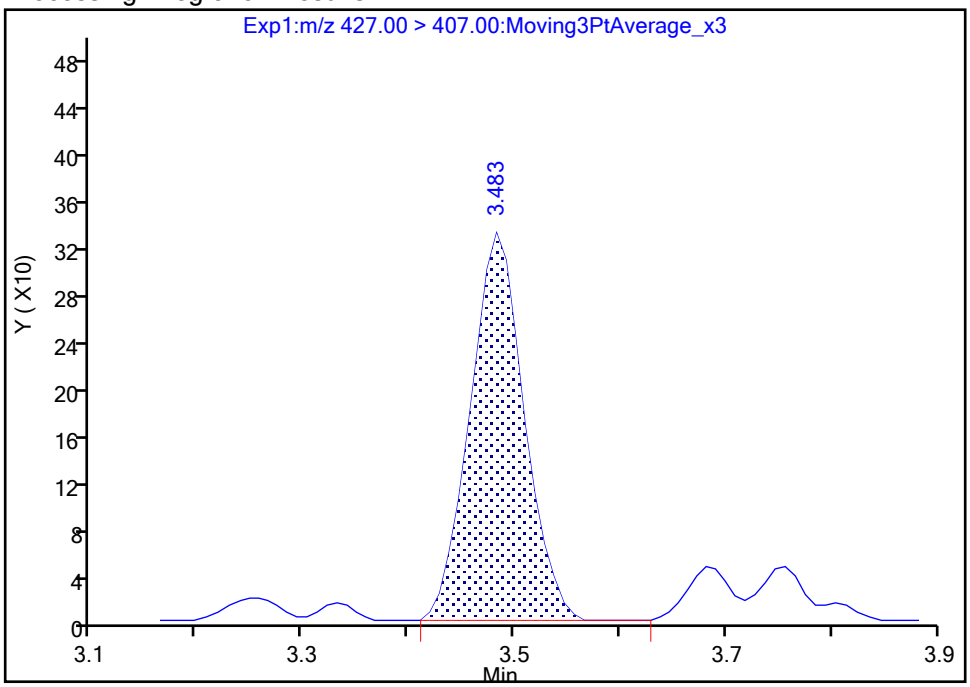
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Injection Date:	03-Mar-2021 21:10:48	Instrument ID:	LC812		
Lims ID:	480-181441-A-8-A	Lab Sample ID:	200-181441-8		
Client ID:	MW-2S-022321				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

Signal: 1

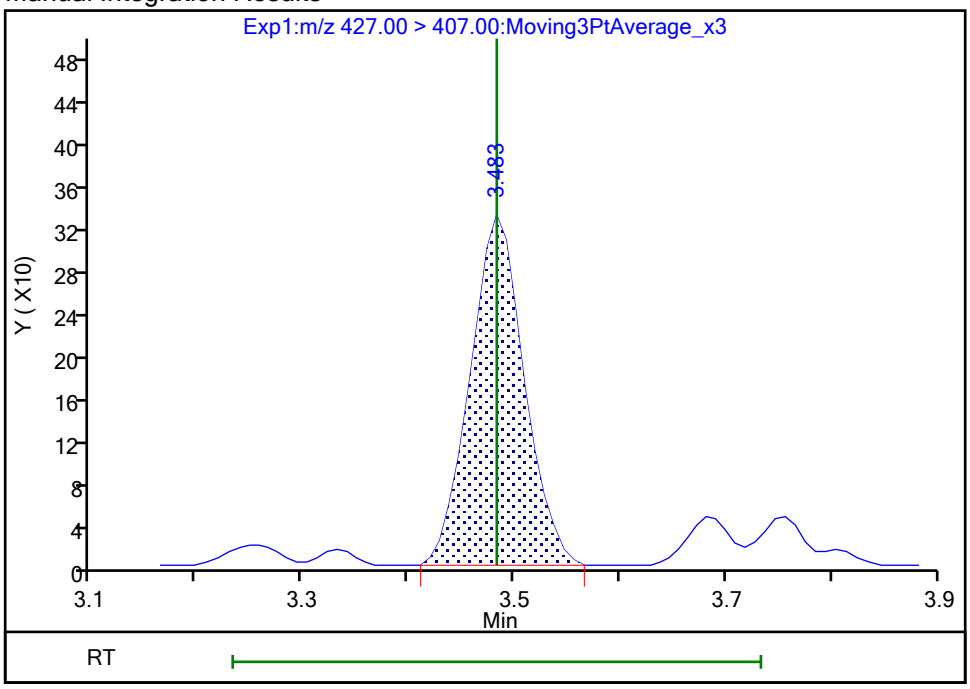
Processing Integration Results

RT: 3.48
Area: 1172
Amount: 0.008671
Amount Units: ng/ml



Manual Integration Results

RT: 3.48
Area: 1172
Amount: 0.008671
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:34:11

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

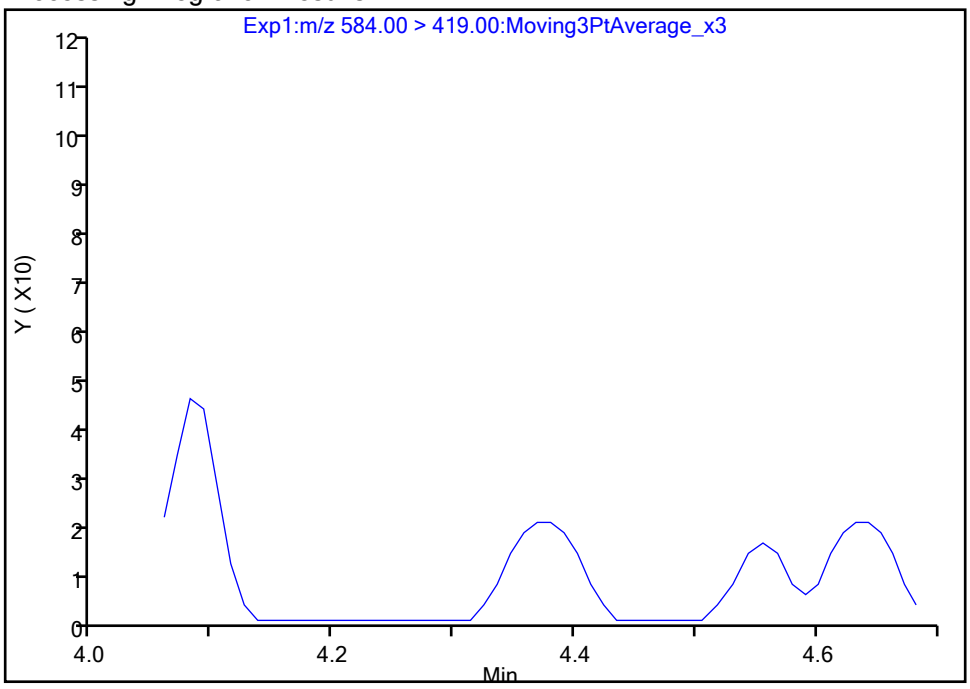
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Injection Date:	03-Mar-2021 21:10:48	Instrument ID:	LC812		
Lims ID:	480-181441-A-8-A	Lab Sample ID:	200-181441-8		
Client ID:	MW-2S-022321				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

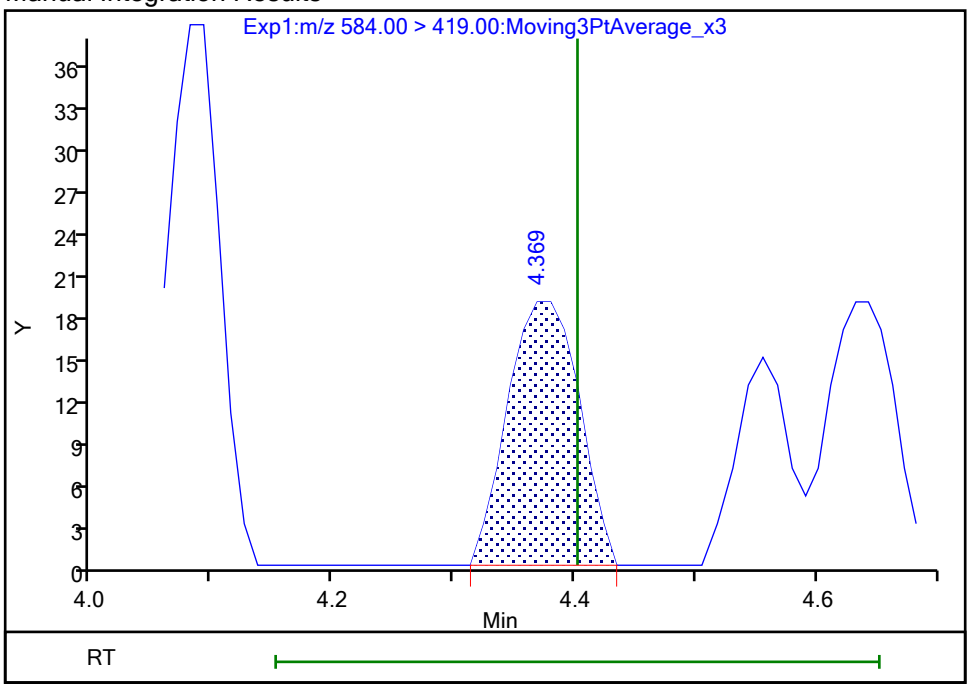
Not Detected
Expected RT: 4.40

Processing Integration Results



Manual Integration Results

RT: 4.37
Area: 78
Amount: 0.001608
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:36:44
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

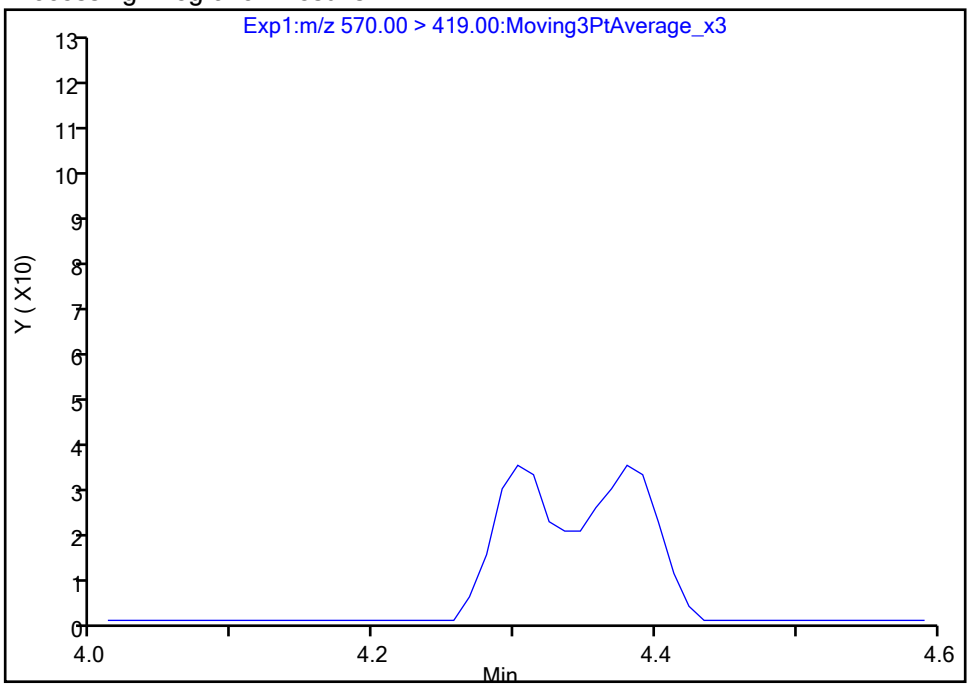
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Injection Date:	03-Mar-2021 21:10:48	Instrument ID:	LC812		
Lims ID:	480-181441-A-8-A	Lab Sample ID:	200-181441-8		
Client ID:	MW-2S-022321				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

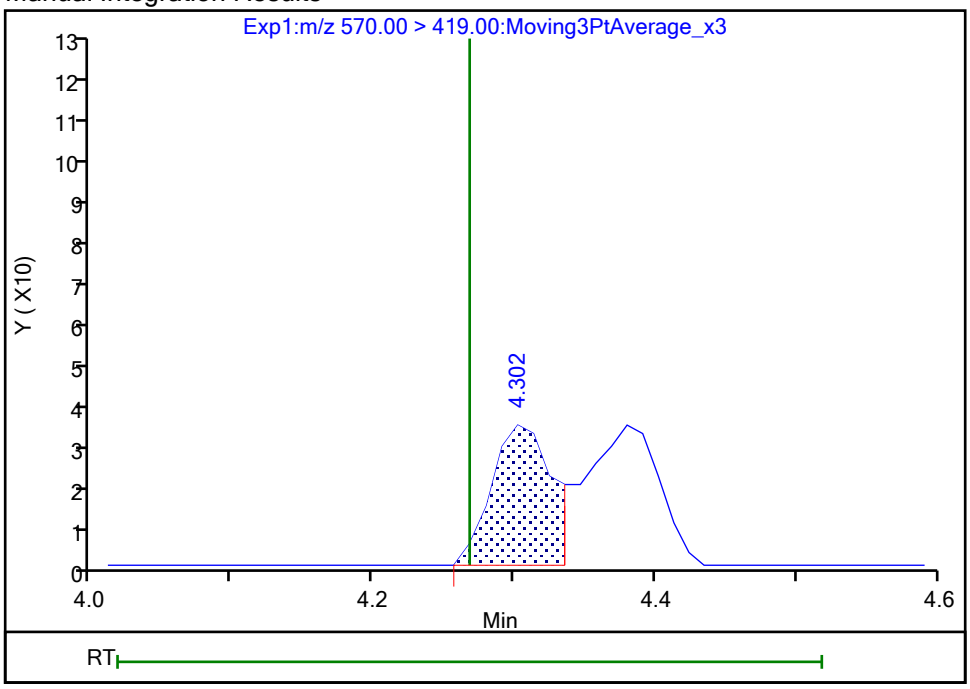
Not Detected
Expected RT: 4.27

Processing Integration Results



Manual Integration Results

RT: 4.30
Area: 94
Amount: 0.002006
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:36:19
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

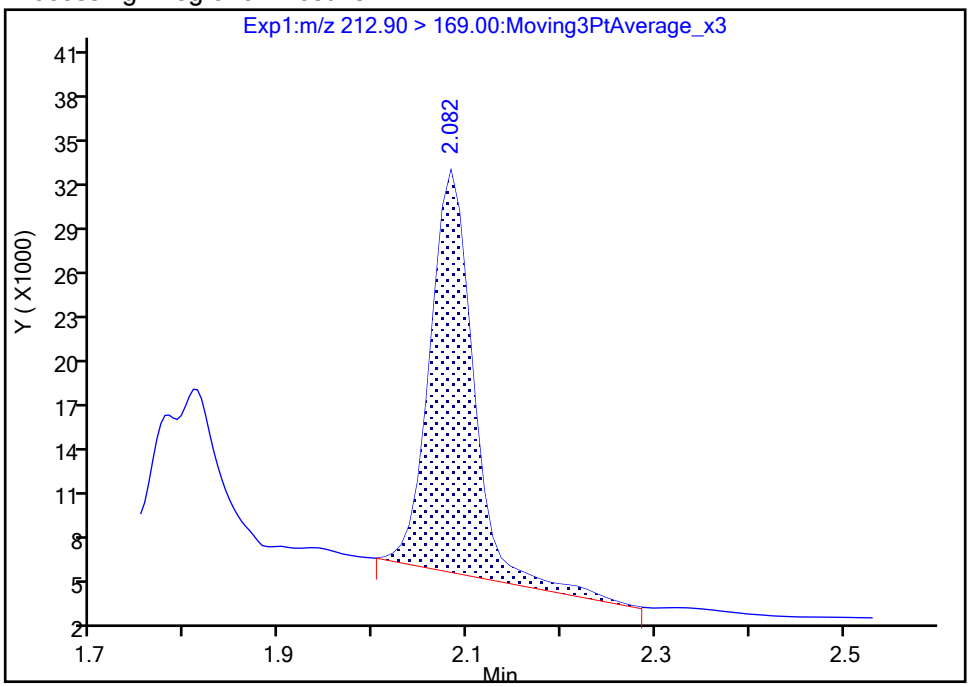
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Lims ID:	480-181441-A-8-A	Lab Sample ID:	200-181441-8		
Client ID:	MW-2S-022321				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

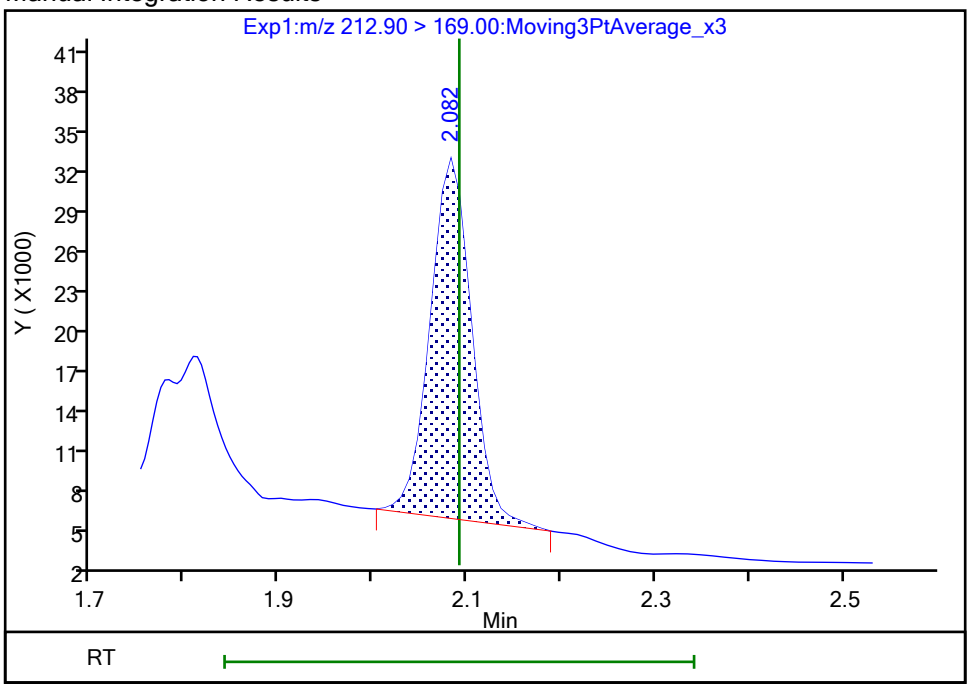
Processing Integration Results

RT: 2.08
Area: 88456
Amount: 0.079642
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 82759
Amount: 0.074512
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:32:45

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

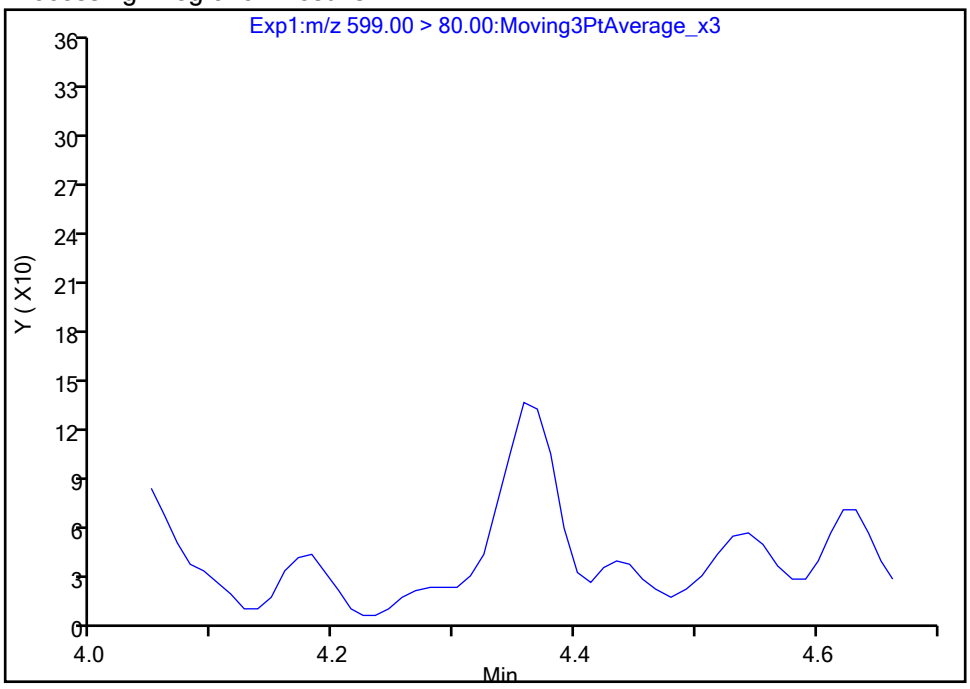
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Injection Date:	03-Mar-2021 21:10:48	Instrument ID:	LC812		
Lims ID:	480-181441-A-8-A	Lab Sample ID:	200-181441-8		
Client ID:	MW-2S-022321				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

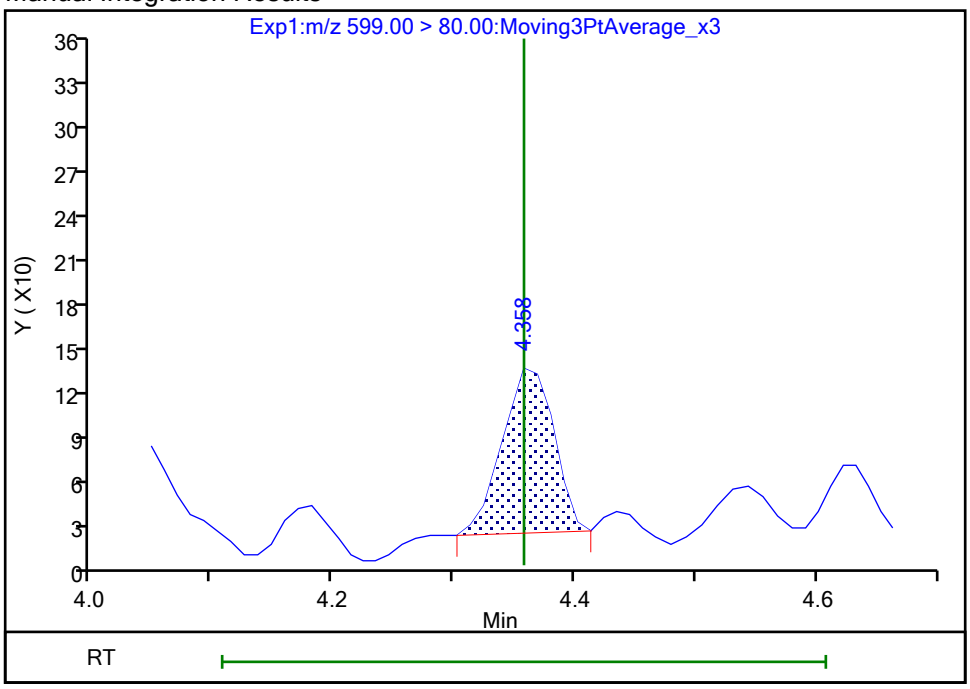
Not Detected
Expected RT: 4.36

Processing Integration Results



Manual Integration Results

RT: 4.36
Area: 327
Amount: 0.000746
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:36:26
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

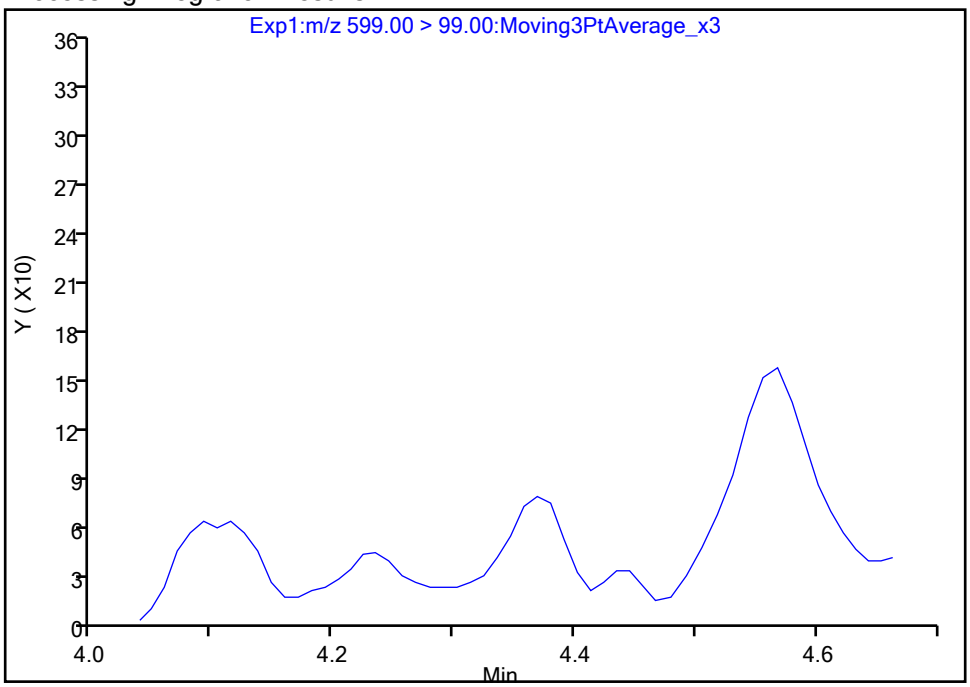
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B17.d				
Injection Date:	03-Mar-2021 21:10:48	Instrument ID:	LC812		
Lims ID:	480-181441-A-8-A	Lab Sample ID:	200-181441-8		
Client ID:	MW-2S-022321				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

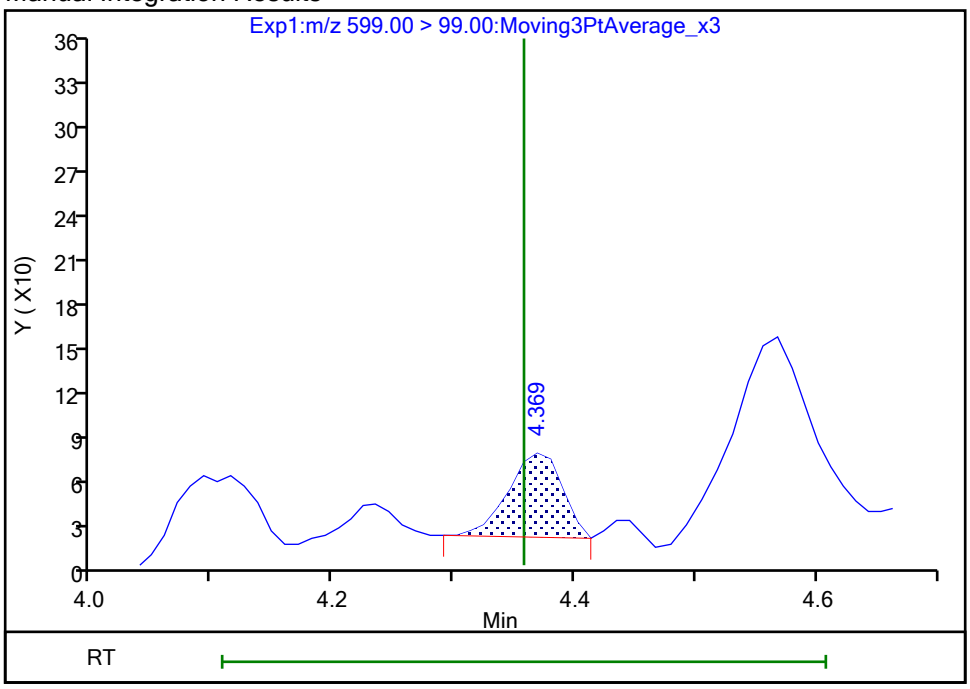
Not Detected
Expected RT: 4.36

Processing Integration Results



Manual Integration Results

RT: 4.37
Area: 174
Amount: 0.000746
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:36:29
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

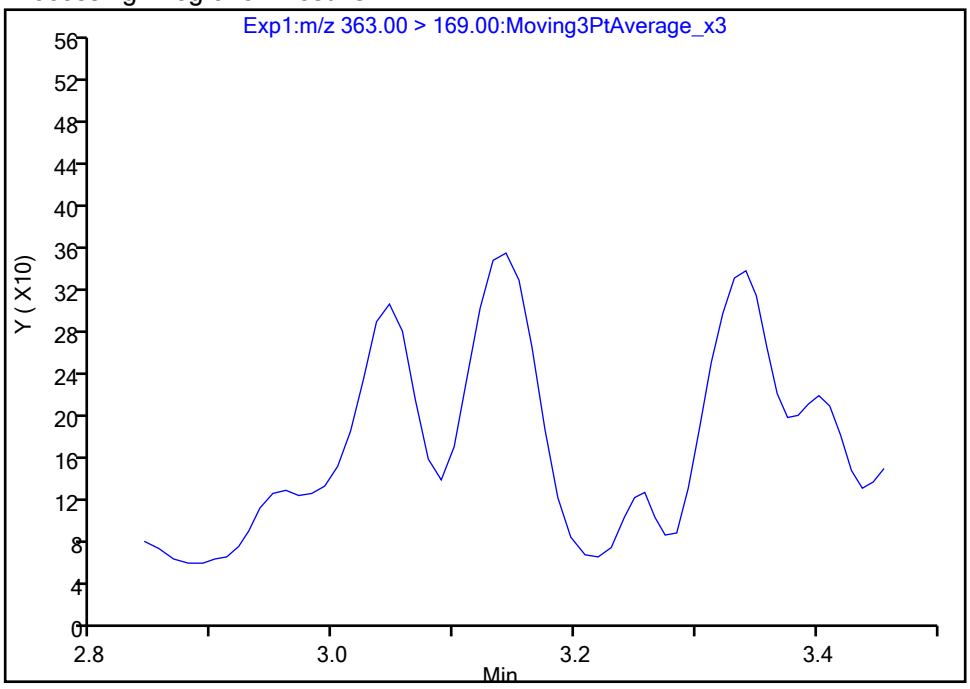
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B17.d				
Injection Date:	03-Mar-2021 21:10:48	Instrument ID:	LC812		
Lims ID:	480-181441-A-8-A	Lab Sample ID:	200-181441-8		
Client ID:	MW-2S-022321				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

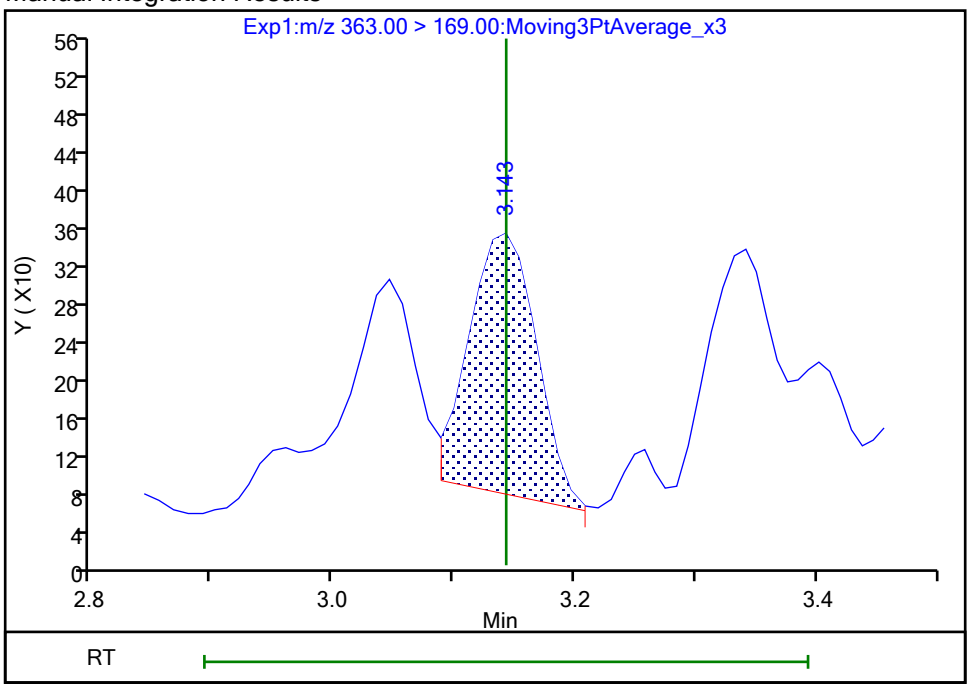
Not Detected
Expected RT: 3.14

Processing Integration Results



Manual Integration Results

RT: 3.14
Area: 1066
Amount: 0.002908
Amount Units: ng/ml



Reviewer: deannd, 04-Mar-2021 10:09:56
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

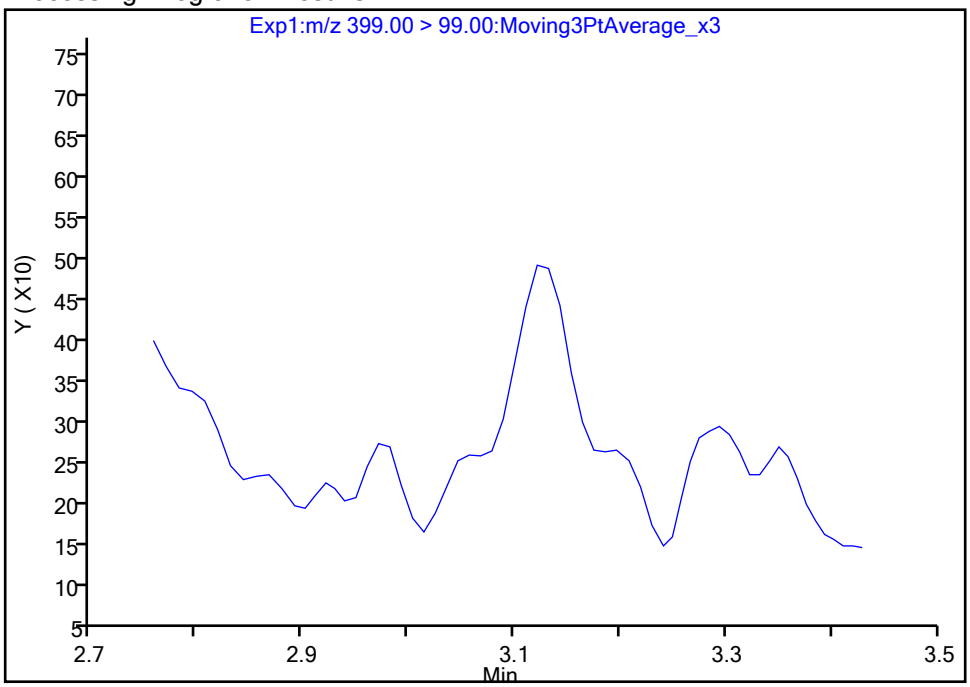
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B17.d				
Injection Date:	03-Mar-2021 21:10:48	Instrument ID:	LC812		
Lims ID:	480-181441-A-8-A	Lab Sample ID:	200-181441-8		
Client ID:	MW-2S-022321				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

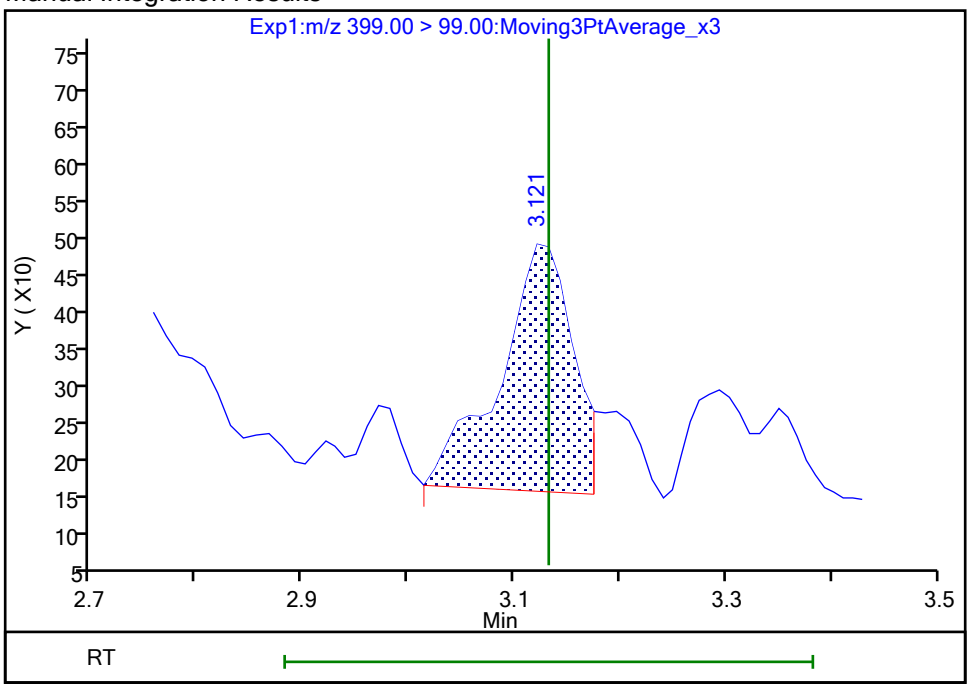
Not Detected
Expected RT: 3.13

Processing Integration Results



Manual Integration Results

RT: 3.12
Area: 1585
Amount: 0.005365
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:33:38
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

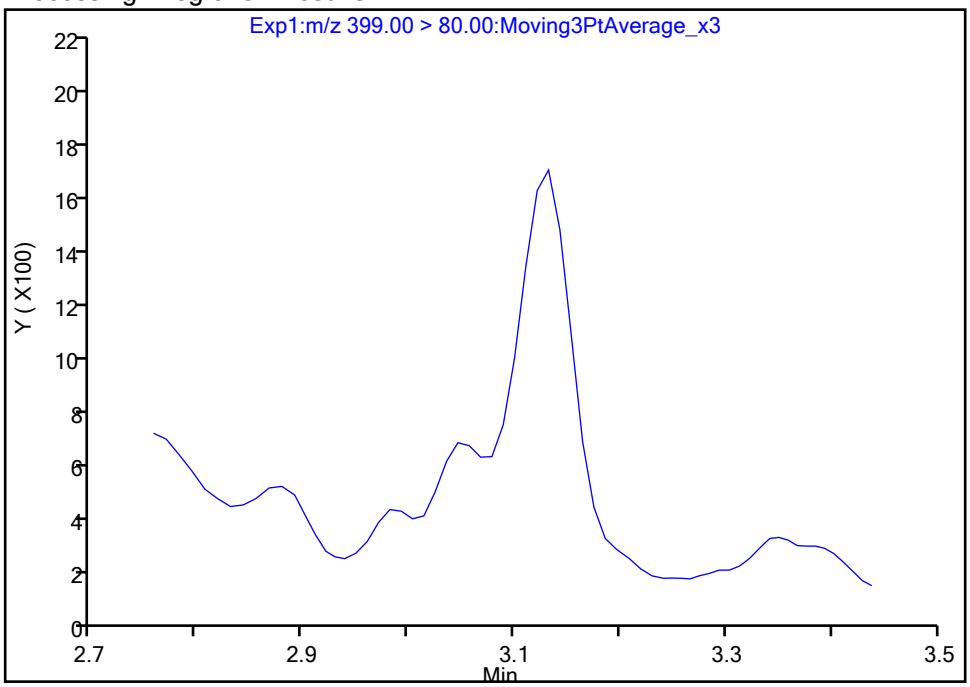
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B17.d				
Injection Date:	03-Mar-2021 21:10:48	Instrument ID:	LC812		
Lims ID:	480-181441-A-8-A	Lab Sample ID:	200-181441-8		
Client ID:	MW-2S-022321				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

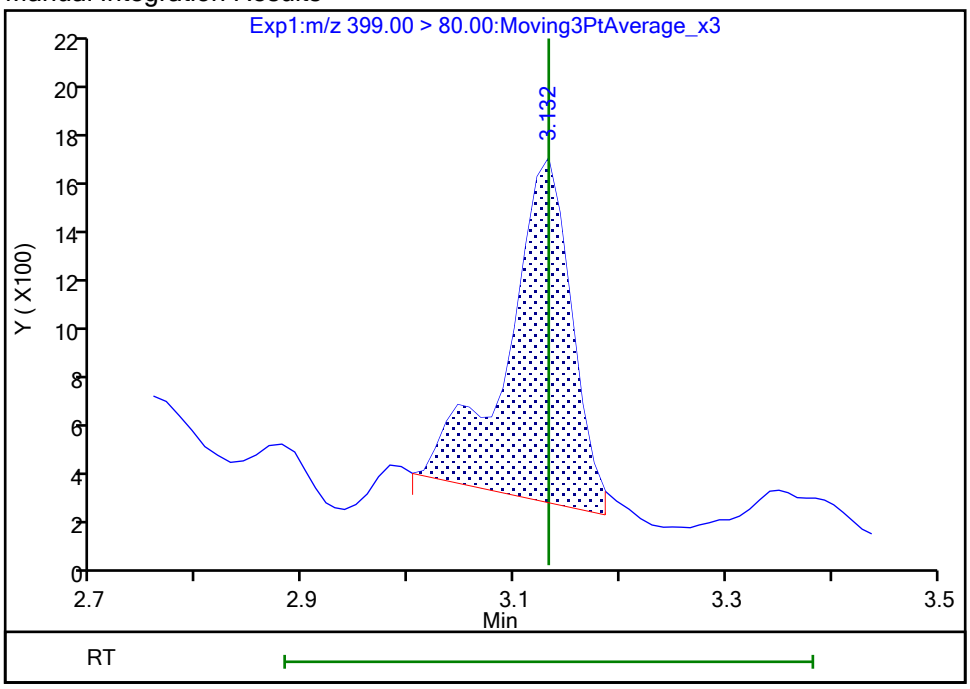
Not Detected
Expected RT: 3.13

Processing Integration Results



Manual Integration Results

RT: 3.13
Area: 5870
Amount: 0.005365
Amount Units: ng/ml



Reviewer: deannd, 04-Mar-2021 10:04:26
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

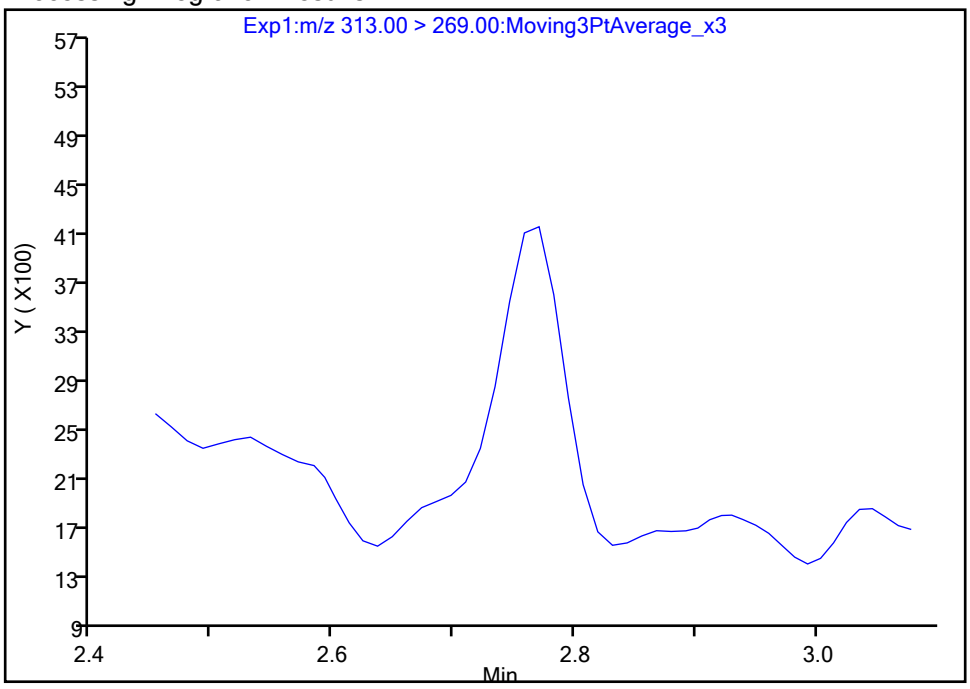
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B17.d				
Injection Date:	03-Mar-2021 21:10:48	Instrument ID:	LC812		
Lims ID:	480-181441-A-8-A	Lab Sample ID:	200-181441-8		
Client ID:	MW-2S-022321				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

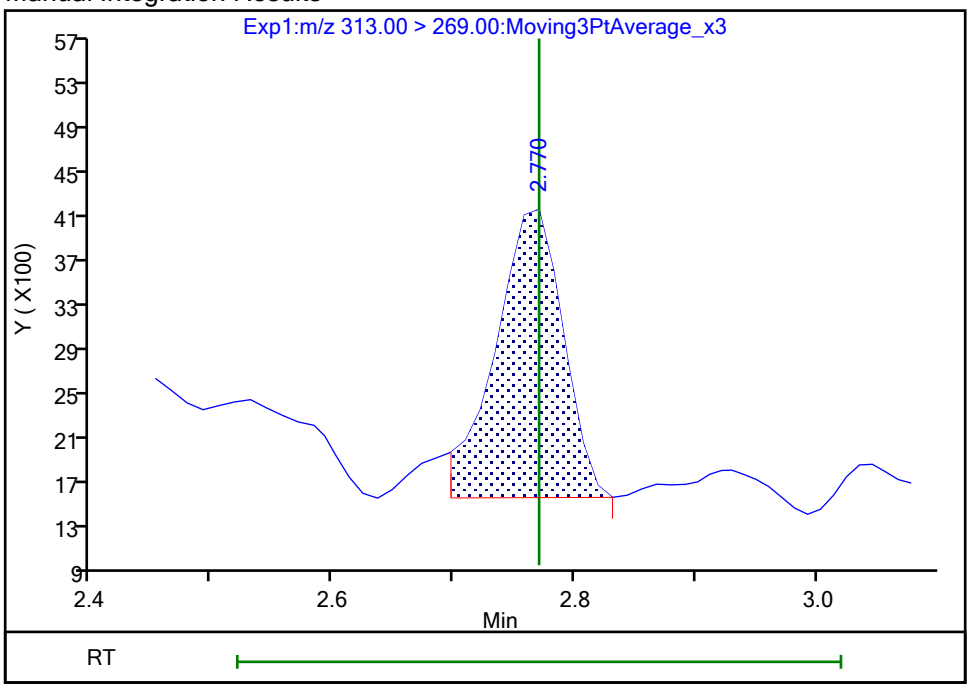
Not Detected
Expected RT: 2.77

Processing Integration Results



Manual Integration Results

RT: 2.77
Area: 9925
Amount: 0.008741
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:33:03
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

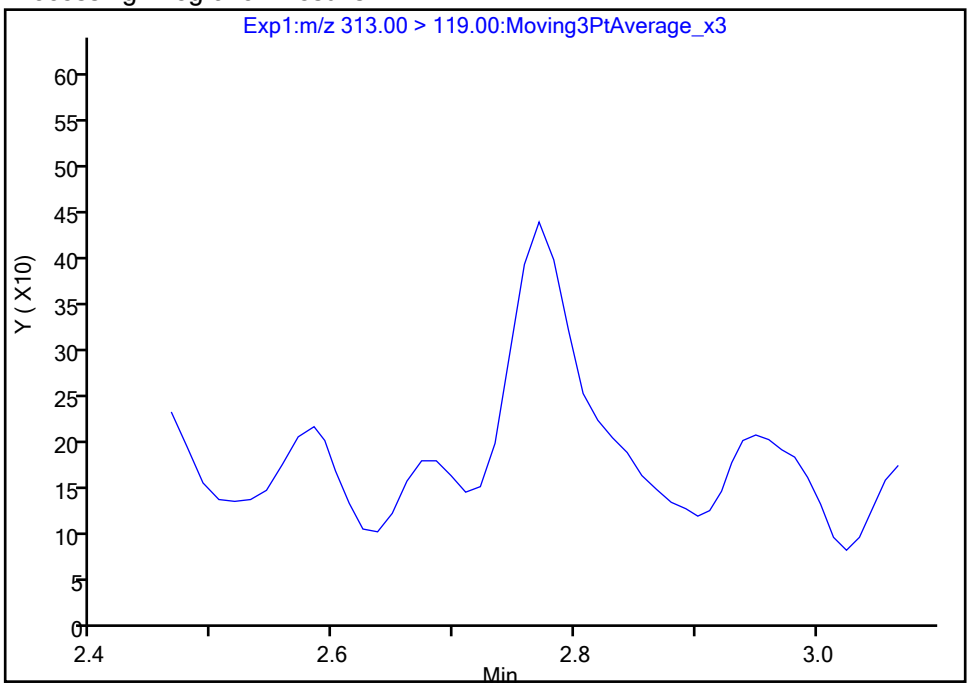
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B17.d				
Injection Date:	03-Mar-2021 21:10:48	Instrument ID:	LC812		
Lims ID:	480-181441-A-8-A	Lab Sample ID:	200-181441-8		
Client ID:	MW-2S-022321				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

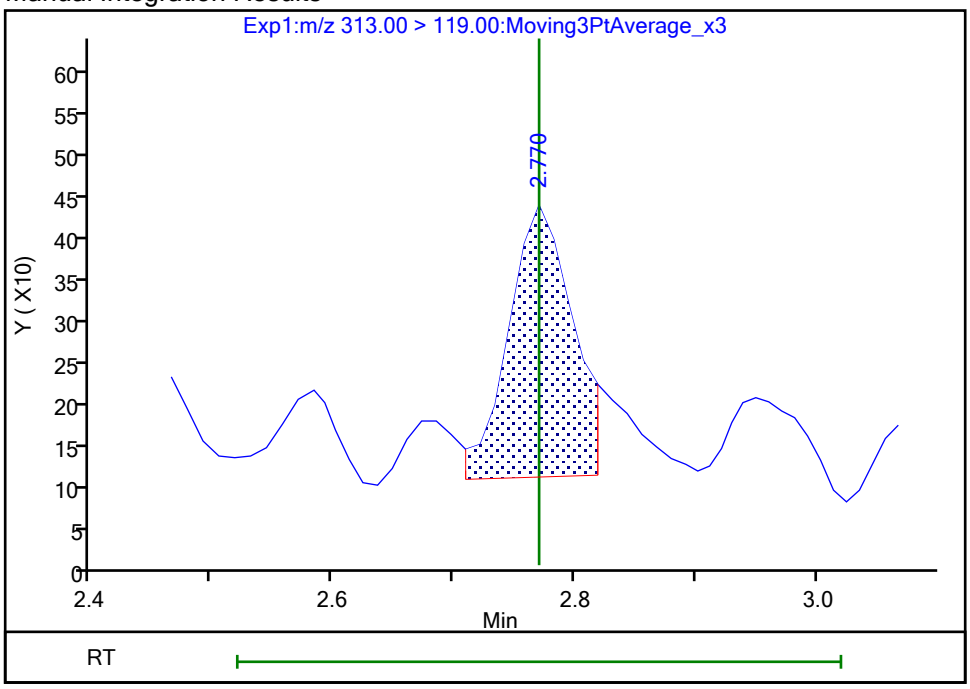
Not Detected
Expected RT: 2.77

Processing Integration Results



Manual Integration Results

RT: 2.77
Area: 1185
Amount: 0.008741
Amount Units: ng/ml



Reviewer: deannd, 04-Mar-2021 10:04:19
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

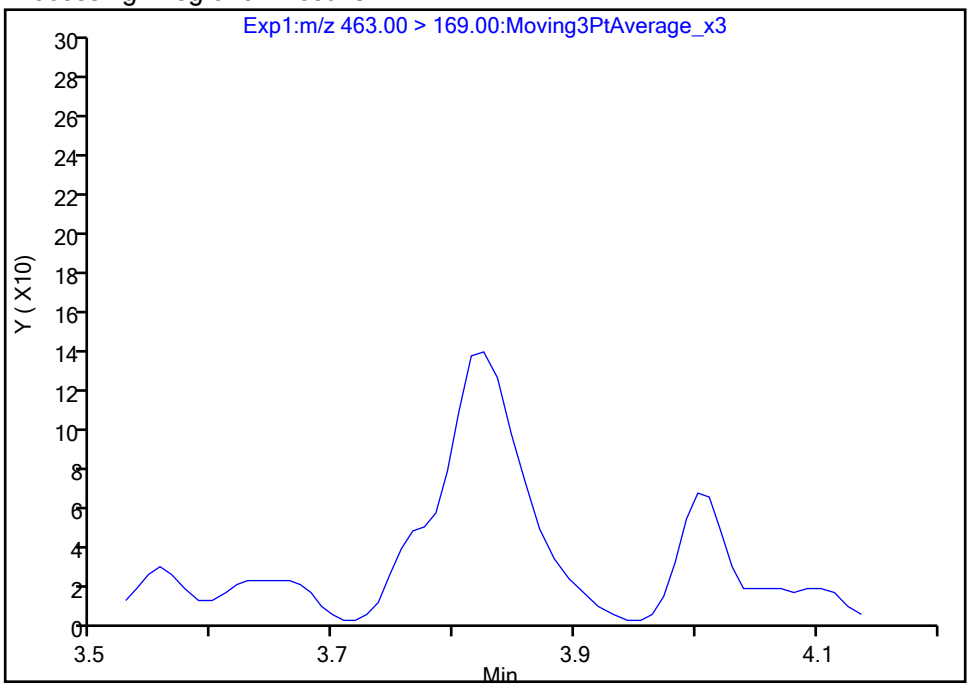
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B17.d				
Injection Date:	03-Mar-2021 21:10:48	Instrument ID:	LC812		
Lims ID:	480-181441-A-8-A	Lab Sample ID:	200-181441-8		
Client ID:	MW-2S-022321				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

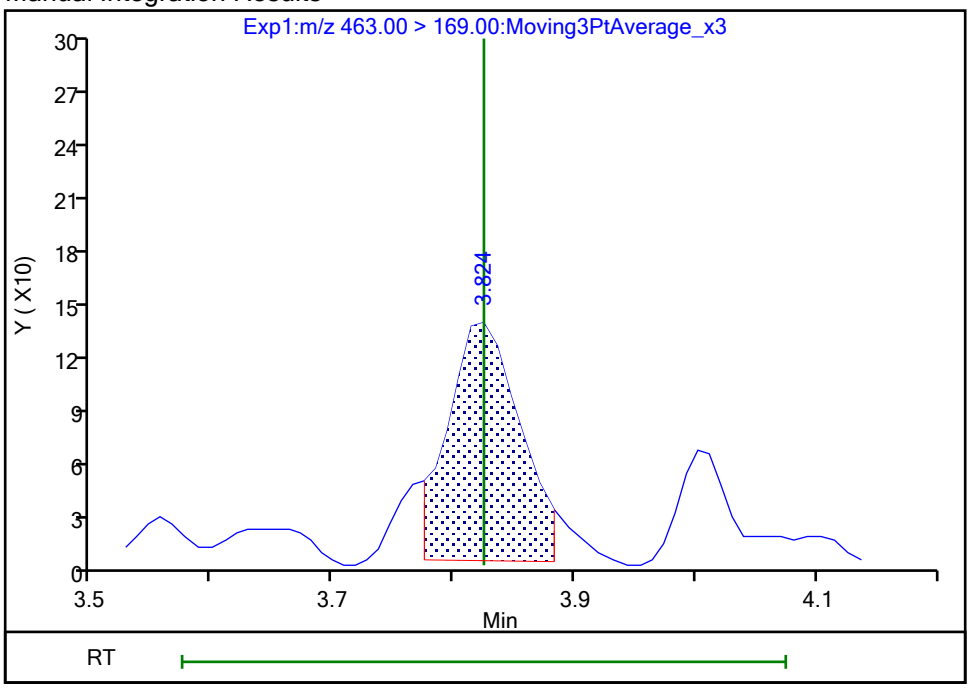
Not Detected
Expected RT: 3.82

Processing Integration Results



Manual Integration Results

RT: 3.82
Area: 544
Amount: 0.002566
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:35:10
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

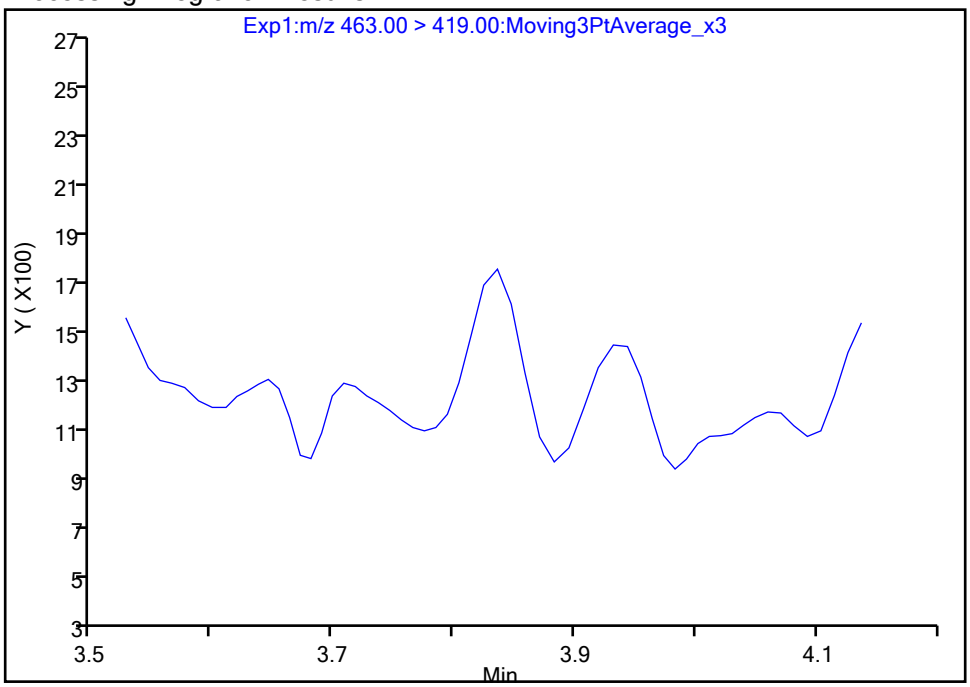
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B17.d				
Injection Date:	03-Mar-2021 21:10:48	Instrument ID:	LC812		
Lims ID:	480-181441-A-8-A	Lab Sample ID:	200-181441-8		
Client ID:	MW-2S-022321				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

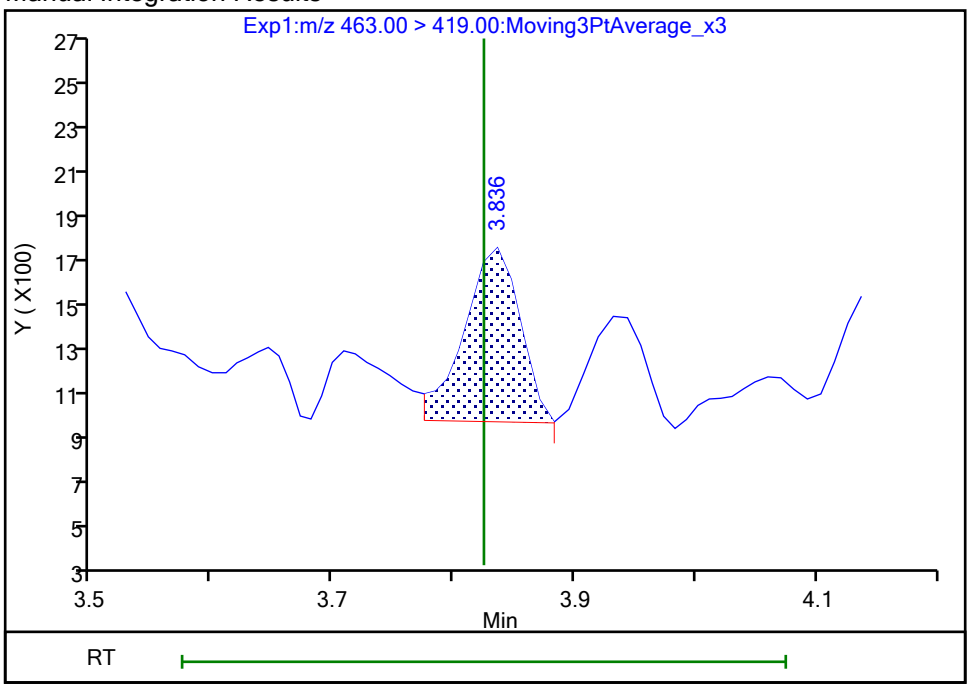
Not Detected
Expected RT: 3.82

Processing Integration Results



Manual Integration Results

RT: 3.84
Area: 2412
Amount: 0.002566
Amount Units: ng/ml



Reviewer: deannd, 04-Mar-2021 10:10:15
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

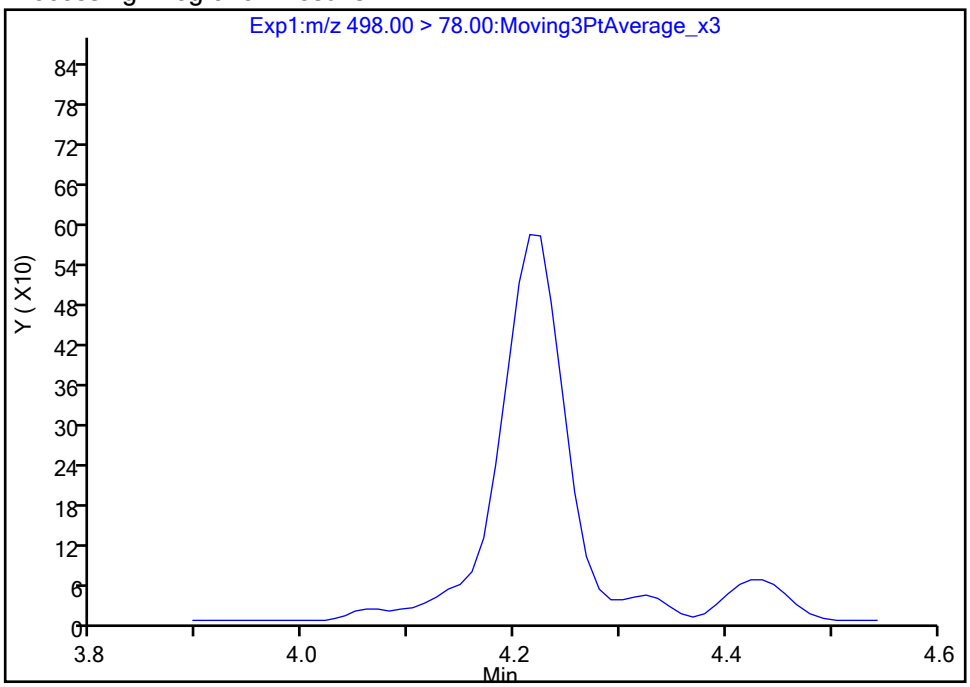
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B17.d				
Injection Date:	03-Mar-2021 21:10:48	Instrument ID:	LC812		
Lims ID:	480-181441-A-8-A	Lab Sample ID:	200-181441-8		
Client ID:	MW-2S-022321				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

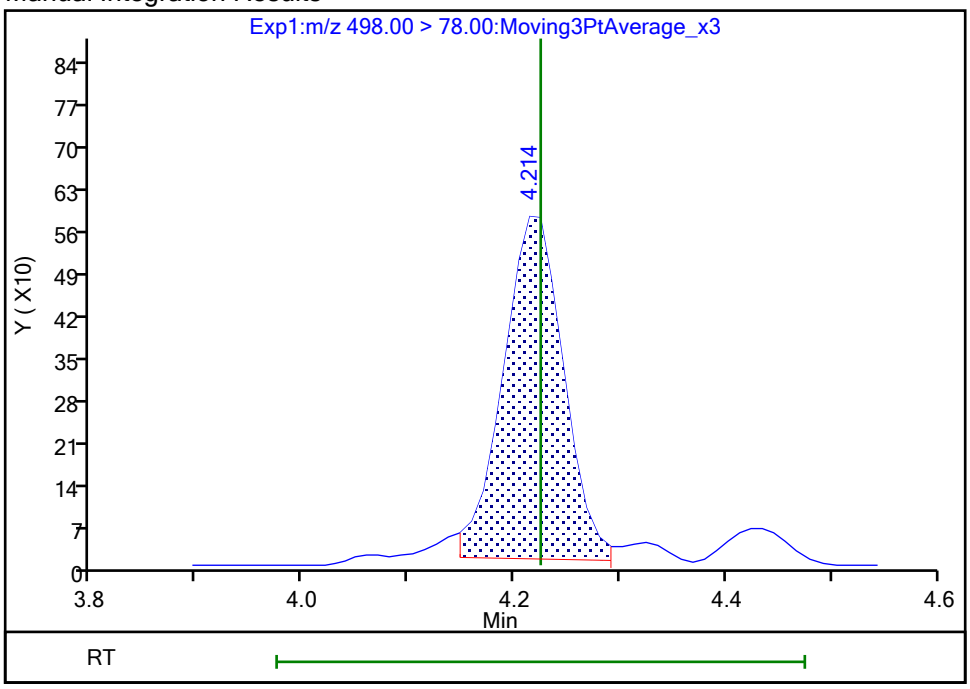
Not Detected
Expected RT: 4.22

Processing Integration Results



Manual Integration Results

RT: 4.21
Area: 2255
Amount: 0.002014
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:36:07
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

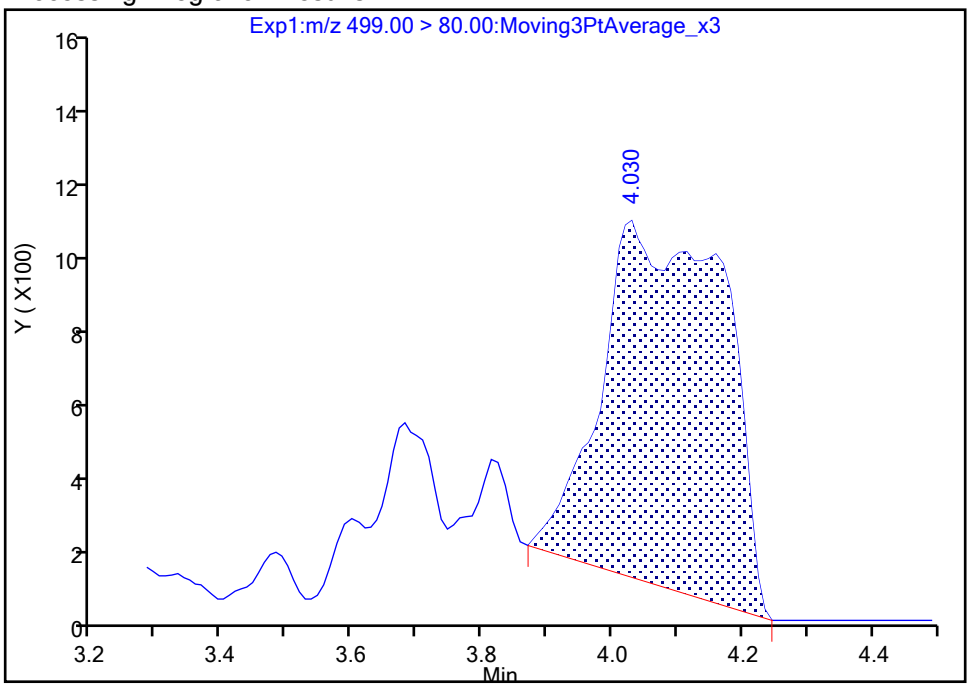
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B17.d				
Injection Date:	03-Mar-2021 21:10:48	Instrument ID:	LC812		
Lims ID:	480-181441-A-8-A	Lab Sample ID:	200-181441-8		
Client ID:	MW-2S-022321				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

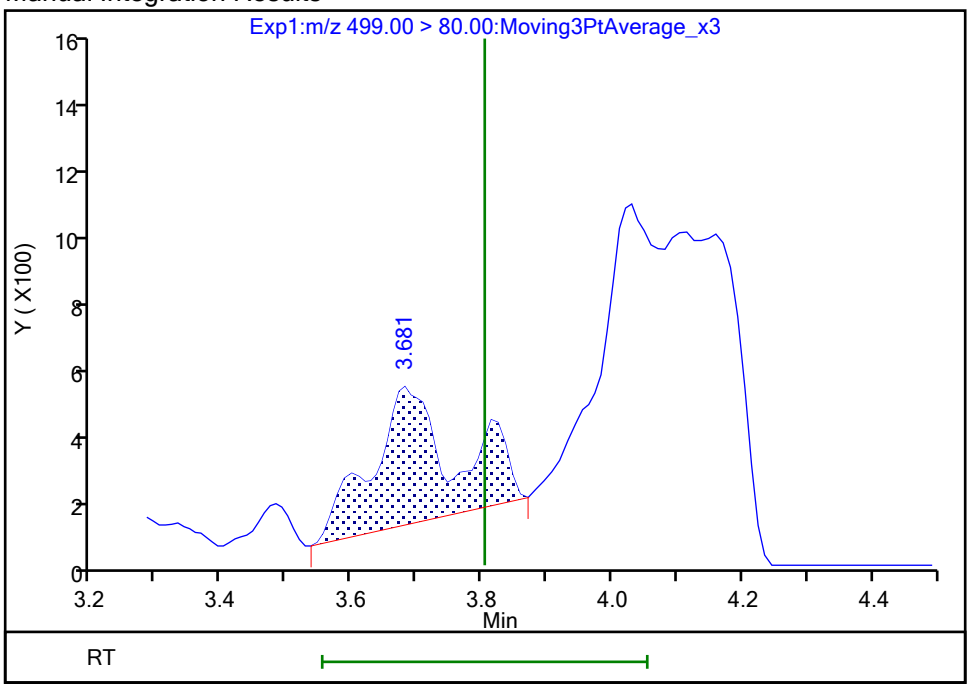
Processing Integration Results

RT: 4.03
Area: 12850
Amount: 0.017431
Amount Units: ng/ml



Manual Integration Results

RT: 3.68
Area: 3602
Amount: 0.004886
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:34:37

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

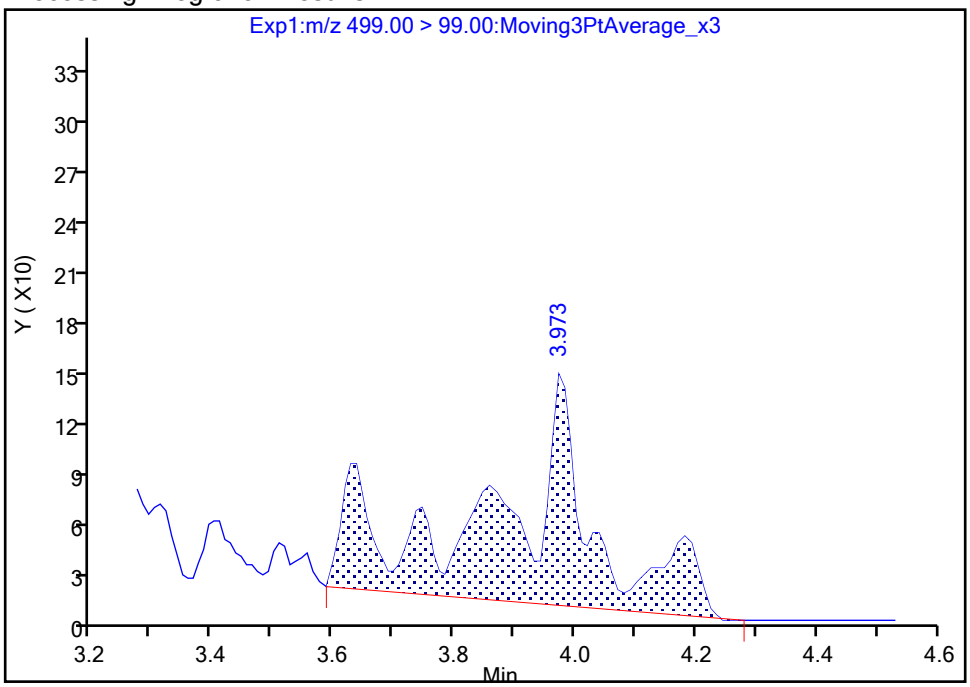
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B17.d				
Injection Date:	03-Mar-2021 21:10:48	Instrument ID:	LC812		
Lims ID:	480-181441-A-8-A	Lab Sample ID:	200-181441-8		
Client ID:	MW-2S-022321				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

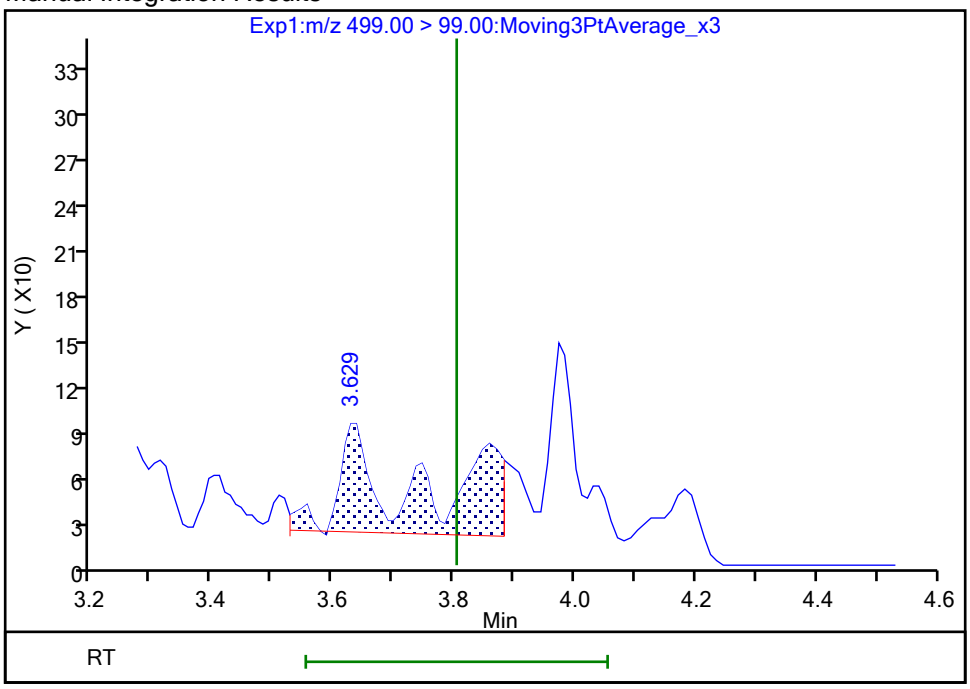
Processing Integration Results

RT: 3.97
Area: 1552
Amount: 0.017431
Amount Units: ng/ml



Manual Integration Results

RT: 3.63
Area: 629
Amount: 0.004886
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:34:54
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

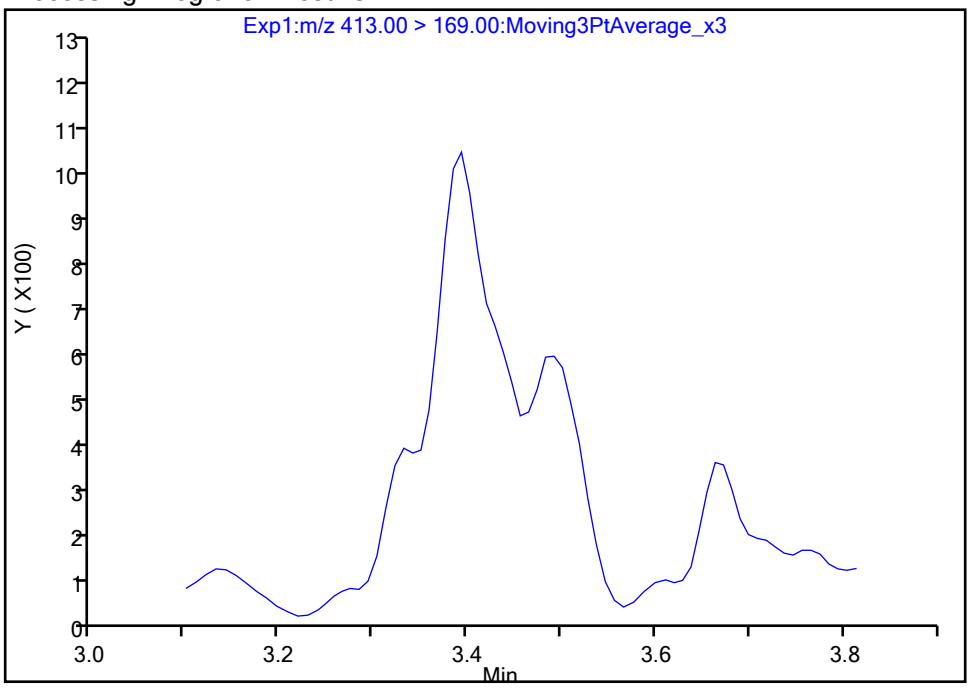
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Injection Date:	03-Mar-2021 21:10:48	Instrument ID:	LC812		
Lims ID:	480-181441-A-8-A	Lab Sample ID:	200-181441-8		
Client ID:	MW-2S-022321				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

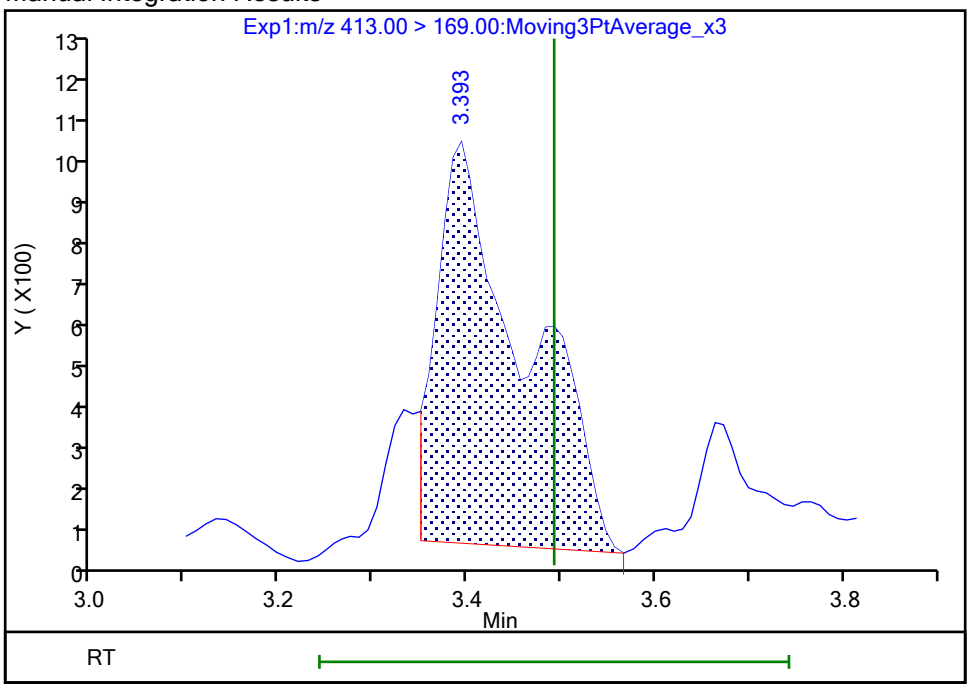
Not Detected
Expected RT: 3.49

Processing Integration Results



Manual Integration Results

RT: 3.39
Area: 6018
Amount: 0.012513
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:34:21
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

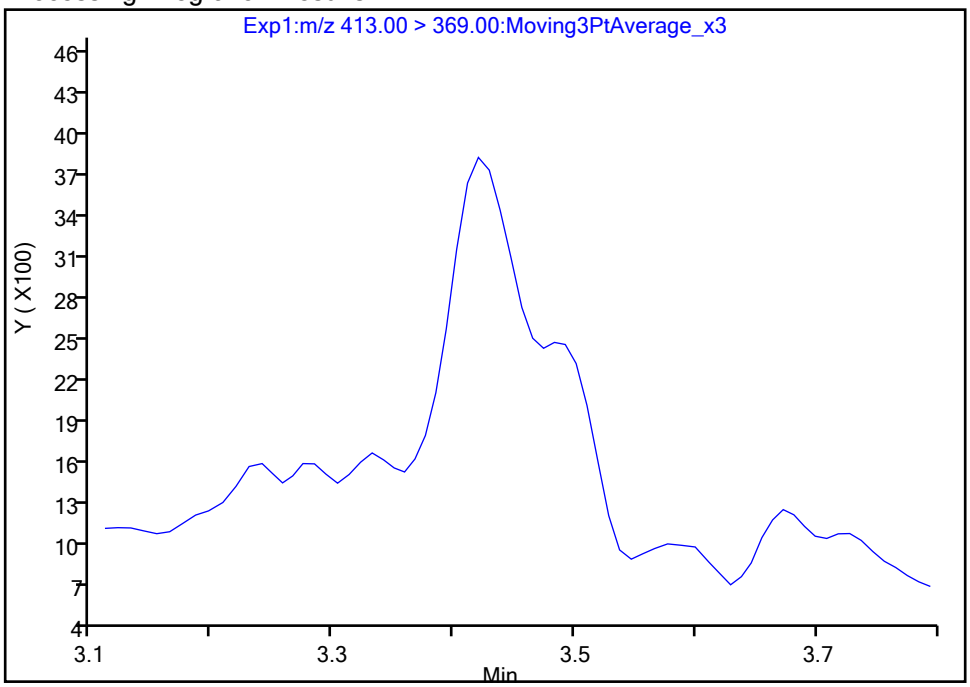
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B17.d				
Injection Date:	03-Mar-2021 21:10:48	Instrument ID:	LC812		
Lims ID:	480-181441-A-8-A	Lab Sample ID:	200-181441-8		
Client ID:	MW-2S-022321				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

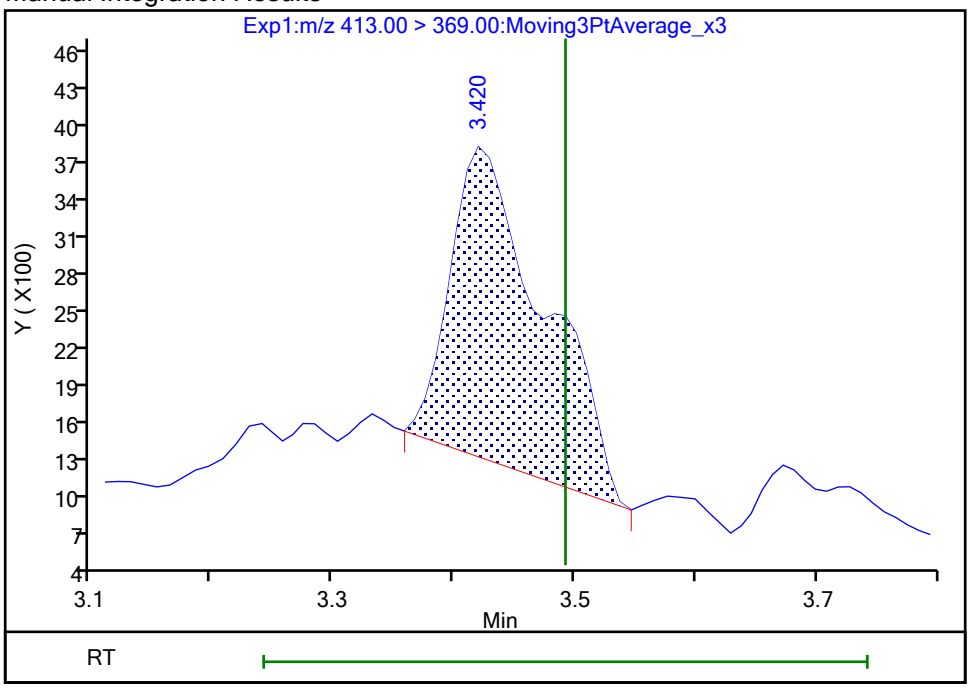
Not Detected
Expected RT: 3.49

Processing Integration Results



Manual Integration Results

RT: 3.42
Area: 13359
Amount: 0.012513
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:34:23
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

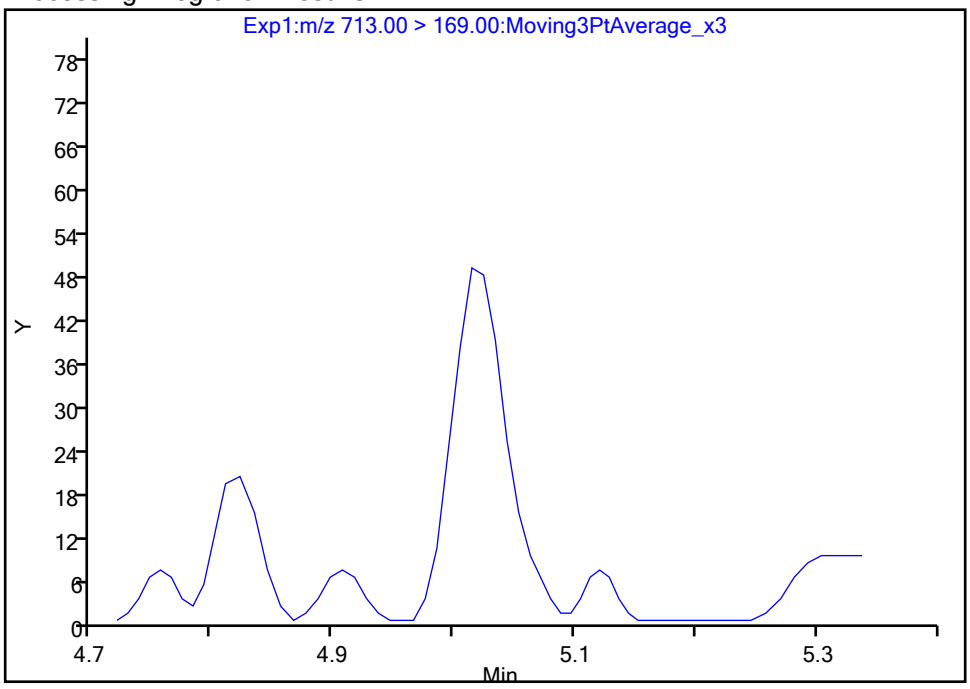
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B17.d				
Injection Date:	03-Mar-2021 21:10:48	Instrument ID:	LC812		
Lims ID:	480-181441-A-8-A	Lab Sample ID:	200-181441-8		
Client ID:	MW-2S-022321				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

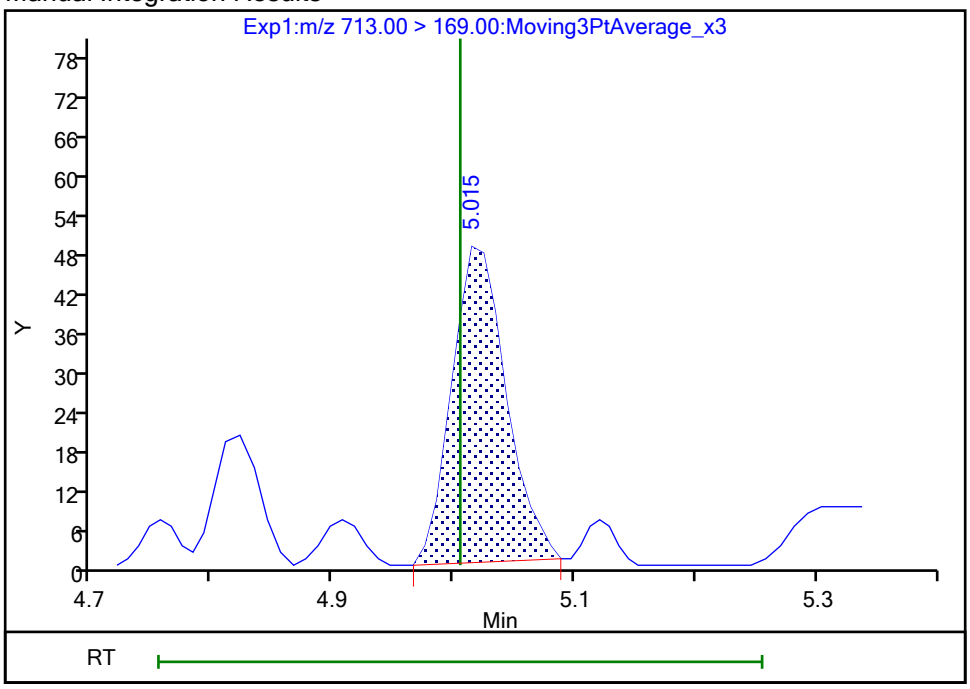
Not Detected
Expected RT: 5.00

Processing Integration Results



Manual Integration Results

RT: 5.01
Area: 151
Amount: 0.001934
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:37:05
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

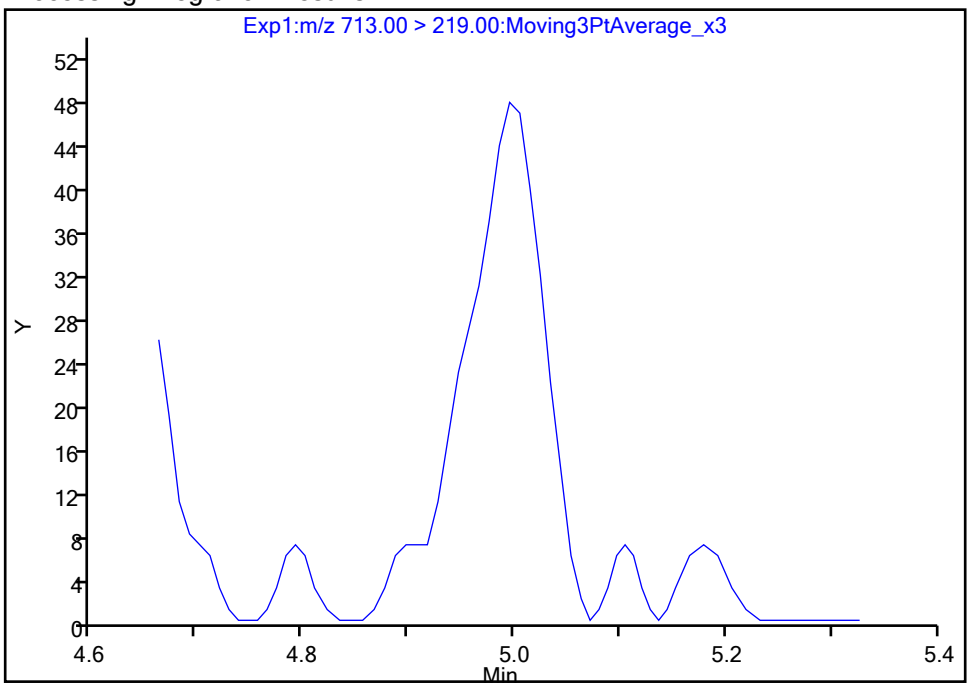
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B17.d				
Injection Date:	03-Mar-2021 21:10:48	Instrument ID:	LC812		
Lims ID:	480-181441-A-8-A	Lab Sample ID:	200-181441-8		
Client ID:	MW-2S-022321				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

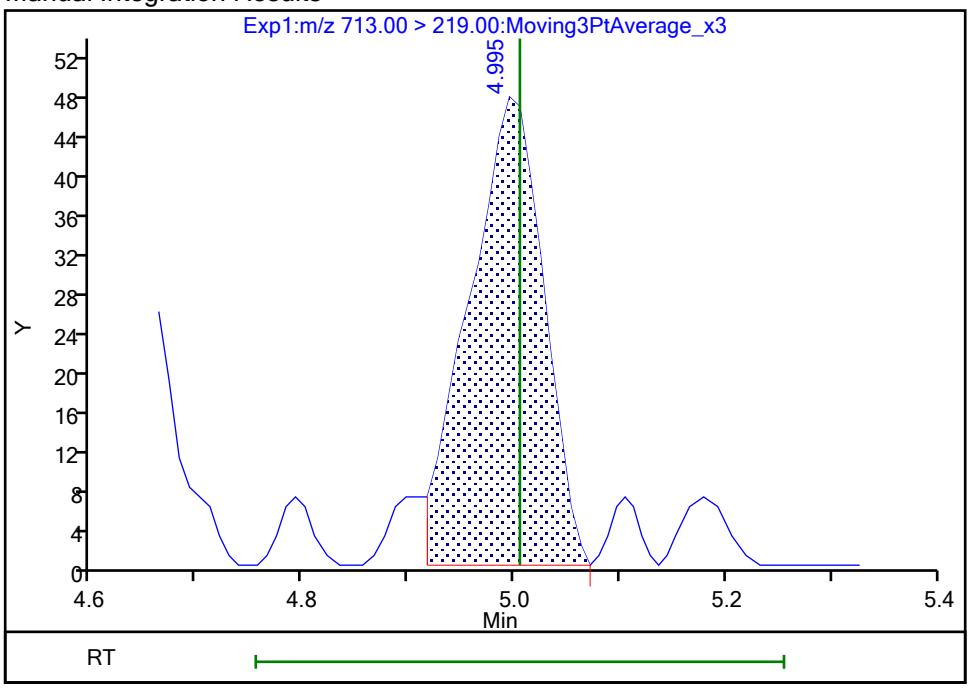
Not Detected
Expected RT: 5.00

Processing Integration Results



Manual Integration Results

RT: 5.00
Area: 235
Amount: 0.001934
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:37:10
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

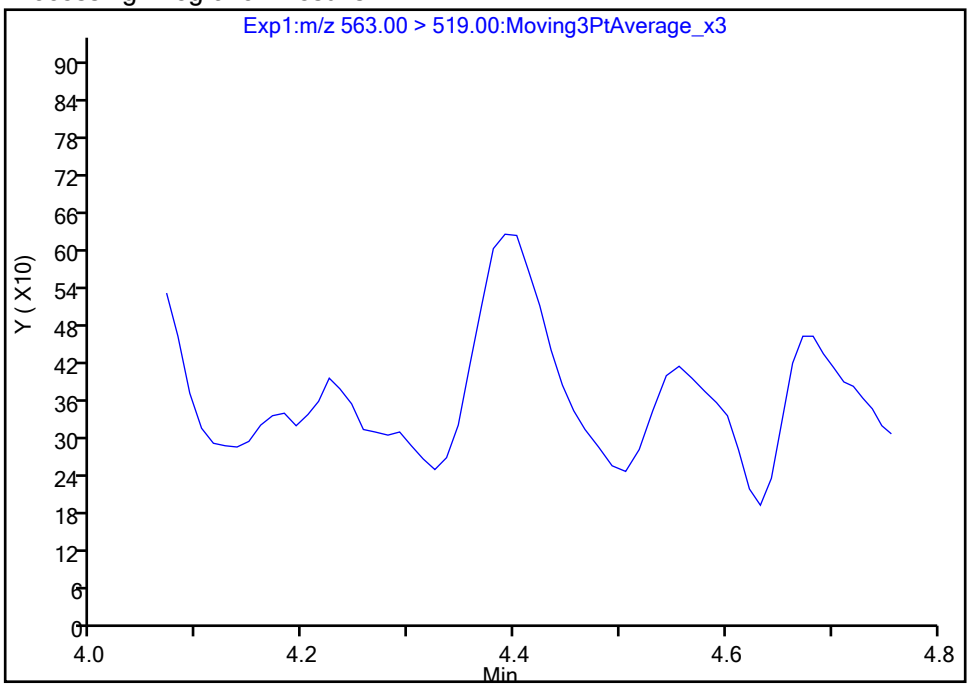
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B17.d				
Injection Date:	03-Mar-2021 21:10:48	Instrument ID:	LC812		
Lims ID:	480-181441-A-8-A	Lab Sample ID:	200-181441-8		
Client ID:	MW-2S-022321				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

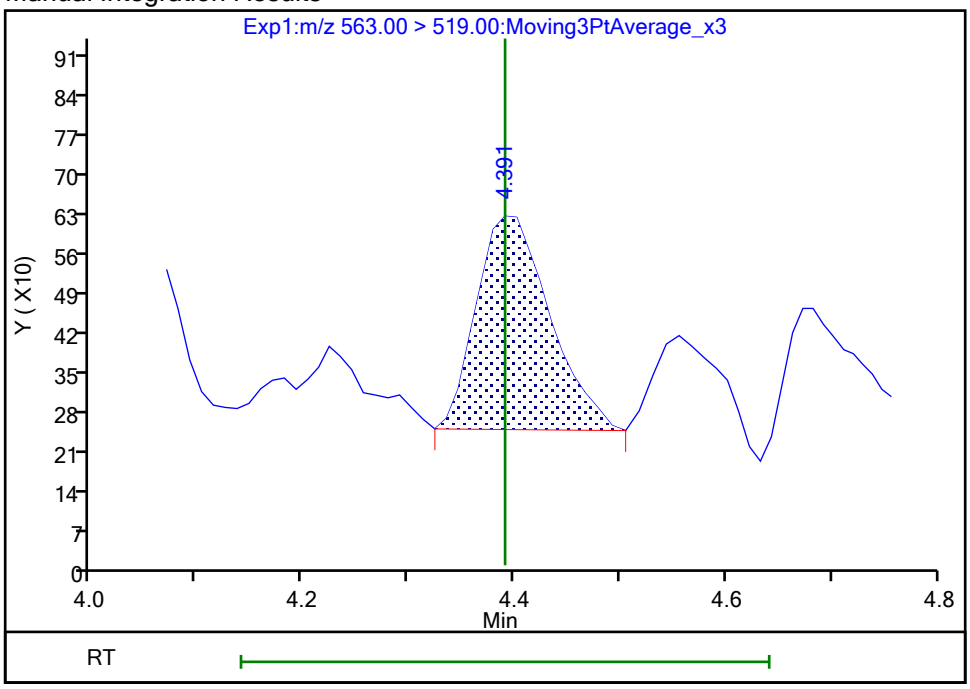
Not Detected
Expected RT: 4.39

Processing Integration Results



Manual Integration Results

RT: 4.39
Area: 1816
Amount: 0.002973
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:36:36
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

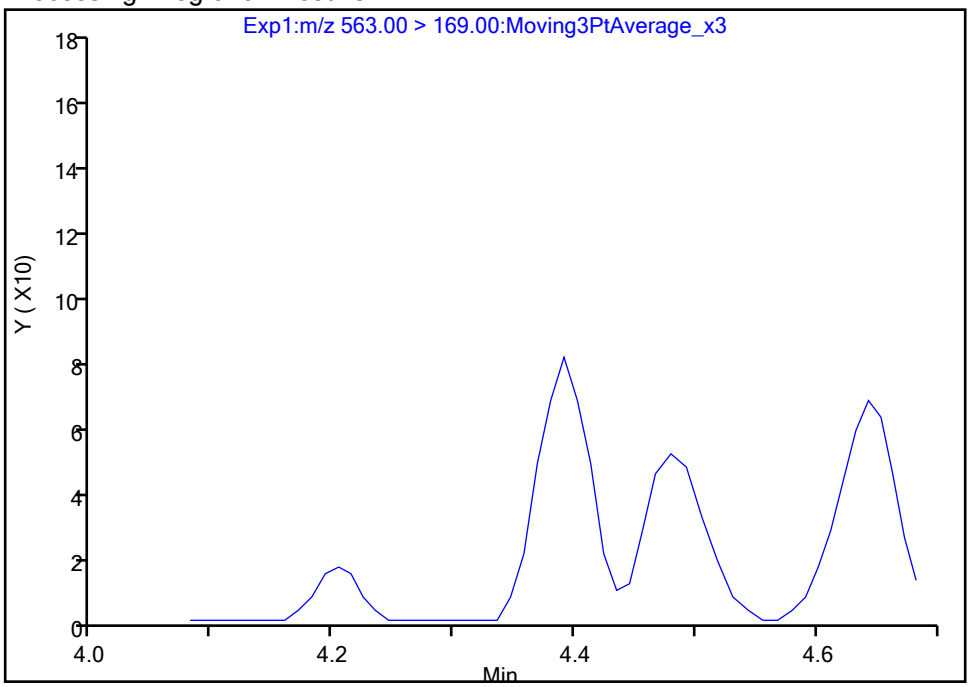
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Injection Date:	03-Mar-2021 21:10:48	Instrument ID:	LC812		
Lims ID:	480-181441-A-8-A	Lab Sample ID:	200-181441-8		
Client ID:	MW-2S-022321				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

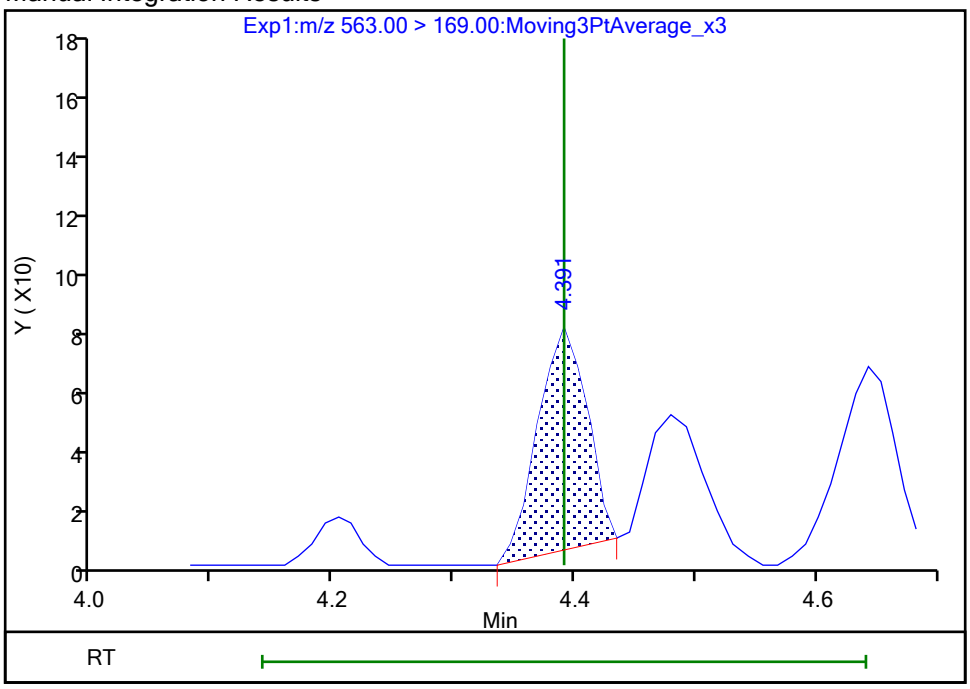
Not Detected
Expected RT: 4.39

Processing Integration Results



Manual Integration Results

RT: 4.39
Area: 209
Amount: 0.002973
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:36:39
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Client Sample ID: MW-2D-022321 Lab Sample ID: 480-181441-9

Matrix: Water Lab File ID: PA210303B20.d

Analysis Method: 537 (modified) Date Collected: 02/23/2021 16:20

Extraction Method: 3535 Date Extracted: 03/03/2021 08:24

Sample wt/vol: 287.9(mL) Date Analyzed: 03/03/2021 21:35

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 164492 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
39108-34-4	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.7	0.57
27619-97-2	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	3.5	J	4.3	0.63
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.3	0.81
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.3	0.69
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		1.7	0.55
375-22-4	Perfluorobutanoic acid (PFBA)	ND		4.3	0.98
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.42
335-76-2	Perfluorodecanoic acid (PFDA)	ND		1.7	0.40
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		1.7	0.40
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.7	0.34
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		1.7	0.40
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		1.7	0.58
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		1.7	0.72
375-95-1	Perfluorononanoic acid (PFNA)	ND		1.7	0.50
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND		1.7	0.49
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		1.7	0.76
335-67-1	Perfluorooctanoic acid (PFOA)	ND		1.7	0.85
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		1.7	0.94
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		1.7	0.51
72629-94-8	Perfluorotridecanoic acid (PFTriA)	ND		1.7	0.37
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.63

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Client Sample ID: MW-2D-022321 Lab Sample ID: 480-181441-9

Matrix: Water Lab File ID: PA210303B20.d

Analysis Method: 537 (modified) Date Collected: 02/23/2021 16:20

Extraction Method: 3535 Date Extracted: 03/03/2021 08:24

Sample wt/vol: 287.9(mL) Date Analyzed: 03/03/2021 21:35

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 164492 Units: ng/L

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00996	13C2 PFDA	87		50-150
STL00998	13C2 PFDoA	65		50-150
STL00993	13C2 PFHxA	105		50-150
STL02116	13C2 PFTeDA	68		50-150
STL00997	13C2 PFUnA	73		50-150
STL02337	13C3 PFBS	101		50-150
STL00992	13C4 PFBA	91		25-150
STL01892	13C4 PFHpA	110		50-150
STL00990	13C4 PFOA	104		50-150
STL00991	13C4 PFOS	100		50-150
STL00995	13C5 PFNA	101		50-150
STL01893	13C5 PFPeA	101		25-150
STL01056	13C8 FOSA	87		25-150
STL00994	18O2 PFHxS	105		50-150
STL02118	d3-NMeFOSAA	70		50-150
STL02117	d5-NEtFOSAA	73		50-150
STL02279	M2-6:2 FTS	100		25-150
STL02280	M2-8:2 FTS	98		25-150

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B20.d
Lims ID: 480-181441-A-9-A
Client ID: MW-2D-022321
Sample Type: Client
Inject. Date: 03-Mar-2021 21:35:38 ALS Bottle#: 20 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: 480-181441-A-9-A
Misc. Info.: 200-0045034-020 Plate: 1 Rack: 2
Operator ID: lc812tech Instrument ID: LC812

Method: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 04-Mar-2021 11:31:15 Calib Date: 22-Dec-2020 13:29:37
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1647

First Level Reviewer: khanphomeea Date: 04-Mar-2021 15:34:43
Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.080	2.091	-0.011	0.594	1485797	1.14		91.0	9487	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.089	2.091	-0.002	1.004	23540	0.0198			3.7	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.411	2.413	-0.002	0.689	1189492	1.26		101	2982	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.398	2.413	-0.015	0.995	19086	0.0181			0.6	M
D 47 13C3 PFBS										
301.90 > 80.00	2.424	2.439	-0.015	0.692	1463708	1.18		101	150628	
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.424	2.439	-0.015	1.000	6129	0.004303	Target=2.21		2.3	M
298.90 > 99.00	2.424	2.439	-0.015	1.000	3362		1.82(1.11-3.32)		1.7	
D 7 13C2 PFHxA										
315.00 > 270.00	2.768	2.770	-0.002	0.791	1295719	1.31		105	3275	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.768	2.770	-0.002	1.000	11085	0.009789	Target=12.83		1.8	
313.00 > 119.00	2.768	2.770	-0.002	1.000	820		13.52(6.42-19.25)		1.6	M
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.132	3.132	0.0	1.000	9955	0.008735	Target=4.15		15.3	
399.00 > 99.00	3.132	3.132	0.0	1.000	2284		4.36(2.08-6.23)		3.1	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.132	3.132	0.0	0.895	1143574	1.24		105	1902	
D 9 13C4 PFHpA										
367.00 > 322.00	3.132	3.143	-0.011	0.895	1305088	1.38		110	3060	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.143	3.143	0.0	1.003	6480	0.005682	Target=3.66		1.6	M
363.00 > 169.00	3.143	3.143	0.0	1.003	1663		3.90(1.83-5.49)		4.4	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.483	3.483	0.0	0.913	4823	0.005654	Target=5.95		14.8	
449.00 > 99.00	3.492	3.483	0.009	0.916	614		7.86(2.98-8.93)		3.1	M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.483	3.483	0.0	0.995	136550	1.18		99.6	346	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.492	3.483	0.009	1.003	12929	0.1011			141	M
D 14 13C4 PFOA										
417.00 > 372.00	3.492	3.492	0.0	0.997	1256290	1.31		104	3111	
* 62 13C2 PFOA										
415.00 > 370.00	3.501	3.492	0.009		1215711	1.25			2873	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.501	3.492	0.009	1.003	12983	0.0119	Target=2.58		3.6	M
413.00 > 169.00	3.501	3.492	0.009	1.003	4806		2.70(1.29-3.87)		16.9	M
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.814	3.804	0.010	1.000	6471	0.008906	Target=5.65		2.4	M
499.00 > 99.00	3.825	3.804	0.021	1.003	1450		4.46(2.82-8.47)		6.3	M
D 18 13C4 PFOS										
503.00 > 80.00	3.814	3.804	0.010	1.089	754989	1.19		99.5	1817	
D 19 13C5 PFNA										
468.00 > 423.00	3.836	3.825	0.011	1.096	1076523	1.27		101	3004	
20 Perfluorononanoic acid										M
463.00 > 419.00	3.825	3.825	0.0	0.997	5531	0.005802	Target=7.44		1.4	
463.00 > 169.00	3.836	3.825	0.011	1.000	1059		5.22(3.72-11.16)		11.7	M
D 23 13C2 PFDA										
515.00 > 470.00	4.126	4.126	0.0	1.178	887490	1.09		87.5	2688	
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.126	4.126	0.0	1.000	5713	0.007808	Target=9.29		5.2	M
513.00 > 169.00	4.137	4.126	0.011	1.003	718		7.96(4.64-13.93)		6.9	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.137	4.137	0.0	1.182	139996	1.18		98.1	579	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.137	4.137	0.0	1.000	610	0.007672			14.7	M
D 21 13C8 FOSA										M
506.00 > 78.00	4.225	4.225	0.0	1.207	1304488	1.09		87.5	1525	M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.225	4.225	0.0	1.000	4097	0.003917			36.9	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.268	4.268	0.0	1.219	51813	0.8800		70.4	478	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.257	4.268	-0.011	0.997	340	0.009254			2.3	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.358	4.358	0.0	1.142	3606	0.008343	Target=2.80		26.8	M
599.00 > 99.00	4.369	4.358	0.011	1.145	1272		2.83(1.40-4.19)		7.2	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.391	4.391	0.0	1.254	604305	0.9063		72.5	3675	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
31 Perfluoroundecanoic acid										RM
563.00 > 519.00	4.391	4.391	0.0	1.000	4285	0.008691	Target=8.12		4.0	RM
563.00 > 169.00	4.391	4.391	0.0	1.000	324		13.23(4.06-12.18)		6.1	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.402	4.402	0.0	1.257	52075	0.9150		73.2	433	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.380	4.402	-0.022	0.995	389	0.0101			3.9	M
D 36 13C2 PFDoA										
615.00 > 570.00	4.622	4.612	0.010	1.320	572690	0.8136		65.1	2556	
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.622	4.612	0.010	1.000	5669	0.0113	Target=6.91		2.2	M
613.00 > 169.00	4.612	4.612	0.0	0.998	1055		5.37(3.45-10.36)		24.5	M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.823	4.823	0.0	1.043	3575	0.008742	Target=4.39		1.7	
663.00 > 169.00	4.823	4.823	0.0	1.043	1164		3.07(2.20-6.59)		17.4	M
D 43 13C2 PFTeDA										
715.00 > 670.00	5.015	5.005	0.010	1.432	439777	0.8447		67.6	2834	
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.015	5.005	0.010	1.000	558	0.008552	Target=1.06		13.1	M
713.00 > 219.00	5.005	5.005	0.0	0.998	690		0.81(0.53-1.59)		25.6	M

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

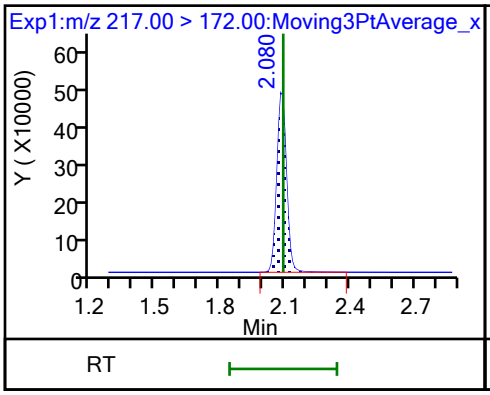
M - Manually Integrated

Report Date: 04-Mar-2021 11:31:28 Chrom Revision: 2.3 05-Feb-2021 00:13:28

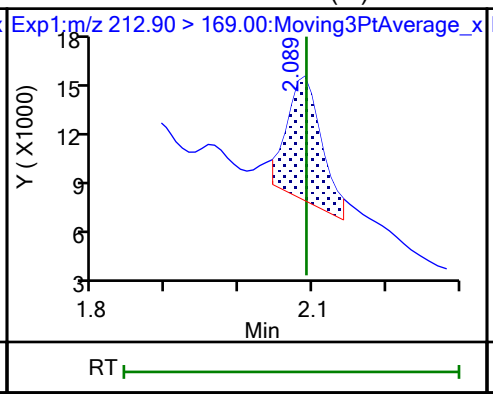
Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B20.d
Injection Date: 03-Mar-2021 21:35:38 Instrument ID: LC812
Lims ID: 480-181441-A-9-A Lab Sample ID: 200-181441-9
Client ID: MW-2D-022321
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL

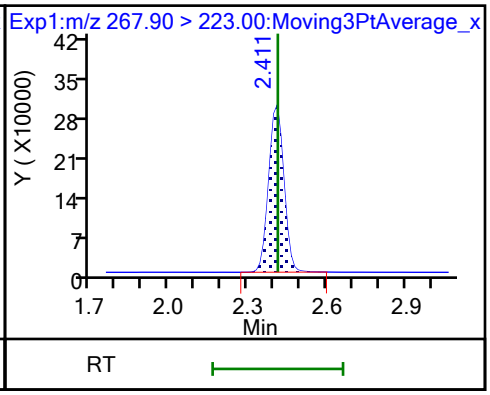
D 1 13C4 PFBA



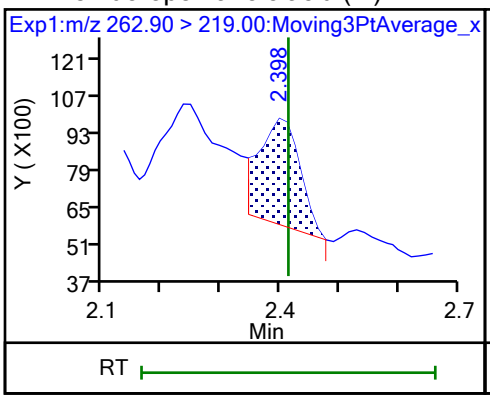
2 Perfluorobutanoic acid (M)



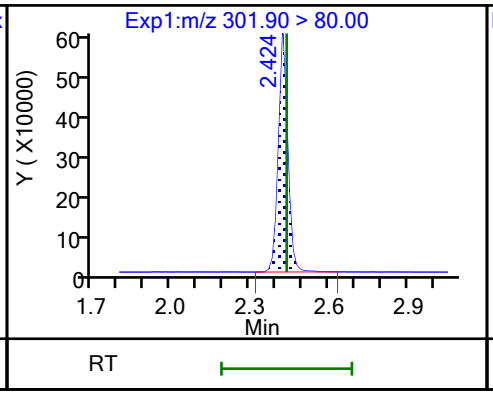
D 3 13C5 PFPeA



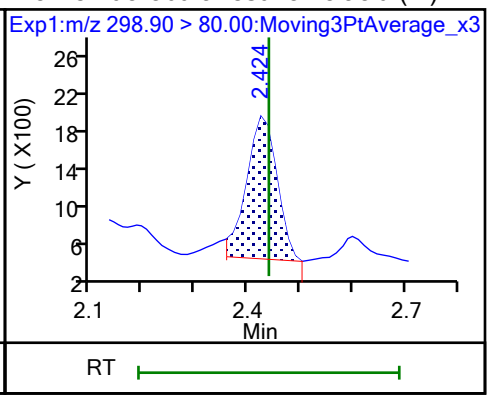
4 Perfluoropentanoic acid (M)



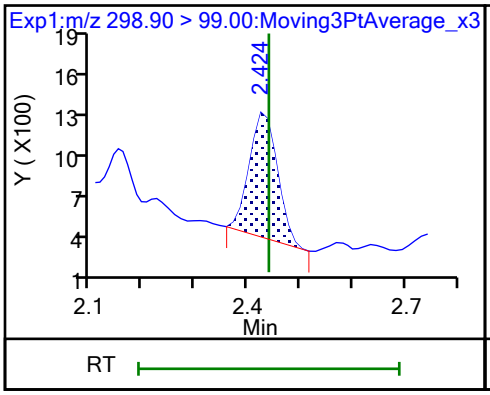
D 47 13C3 PFBS



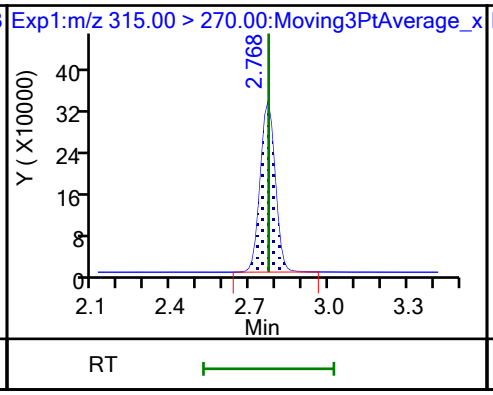
5 Perfluorobutanesulfonic acid (M)



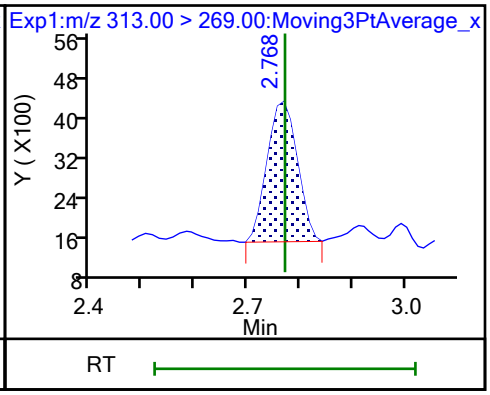
5 Perfluorobutanesulfonic acid



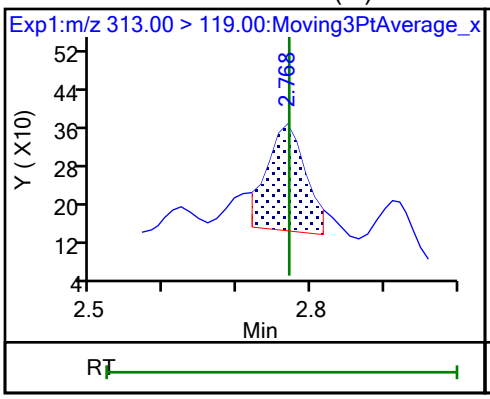
D 7 13C2 PFHxA



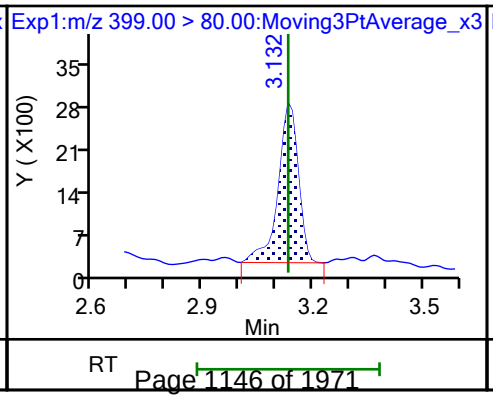
6 Perfluorohexanoic acid



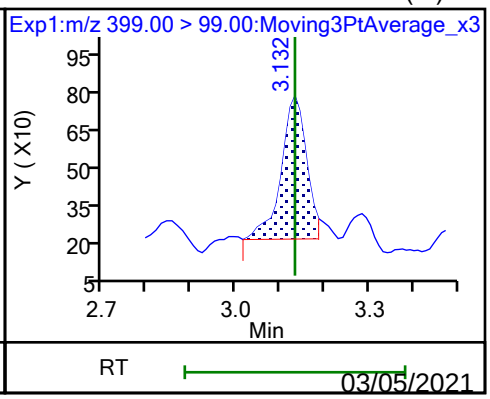
6 Perfluorohexanoic acid (M)



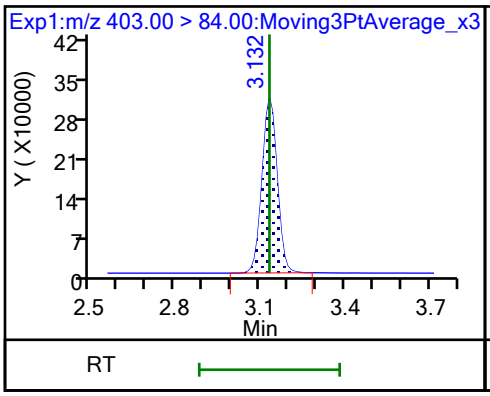
8 Perfluorohexanesulfonic acid



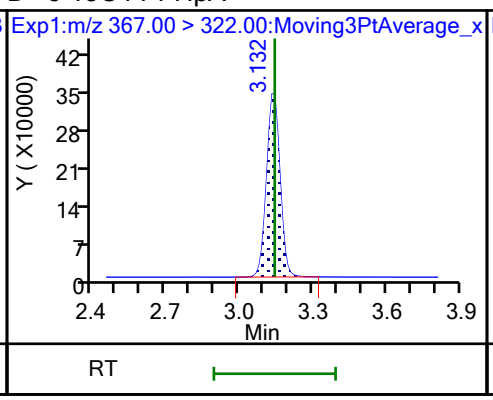
8 Perfluorohexanesulfonic acid (M)



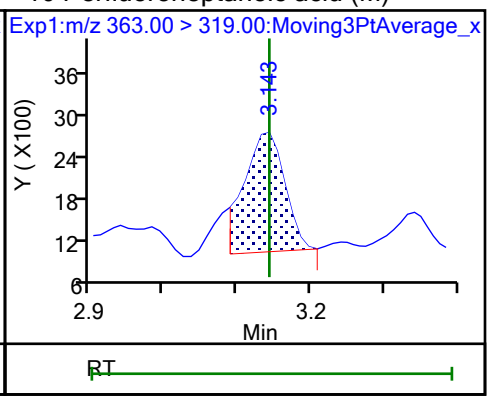
D 11 18O2 PFHxS



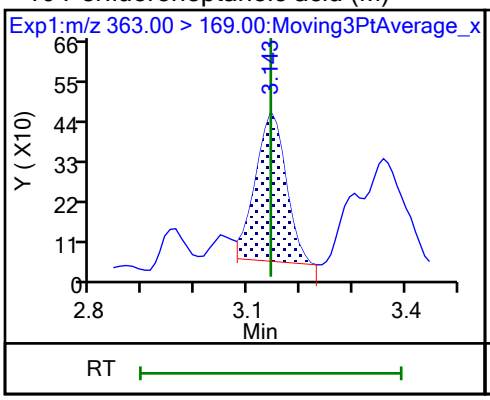
D 9 13C4 PFHpA



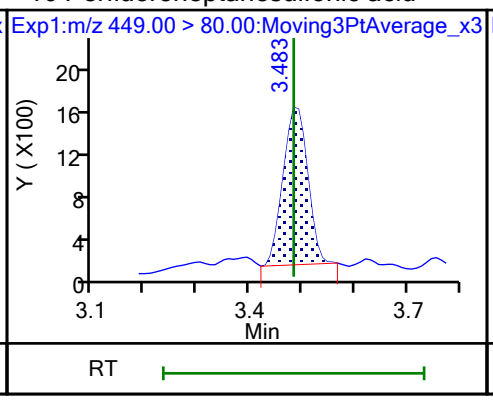
10 Perfluoroheptanoic acid (M)



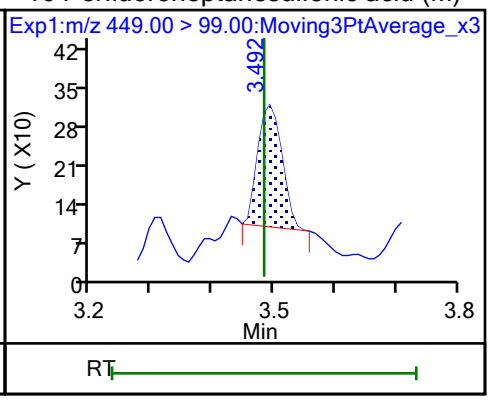
10 Perfluoroheptanoic acid (M)



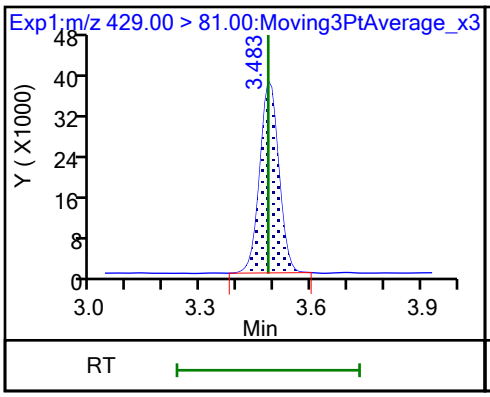
16 Perfluoroheptanesulfonic acid



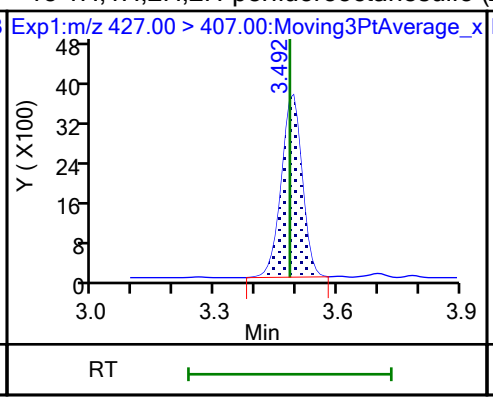
16 Perfluoroheptanesulfonic acid (M)



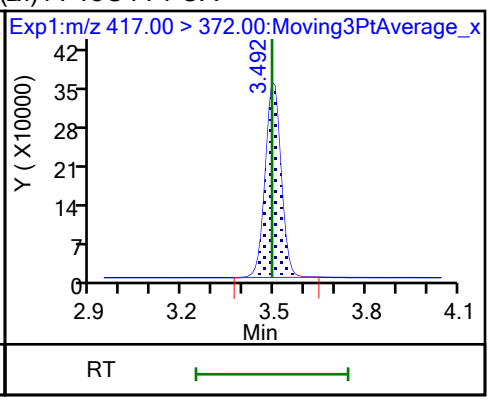
D 12 M2-6:2 FTS



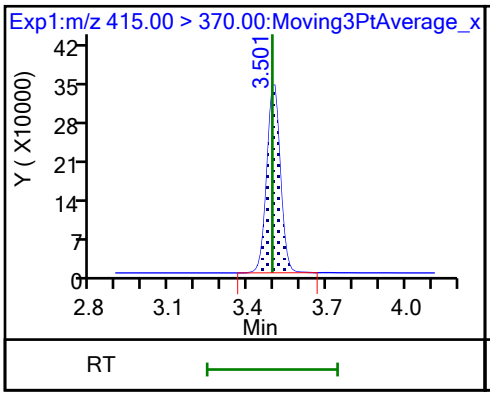
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



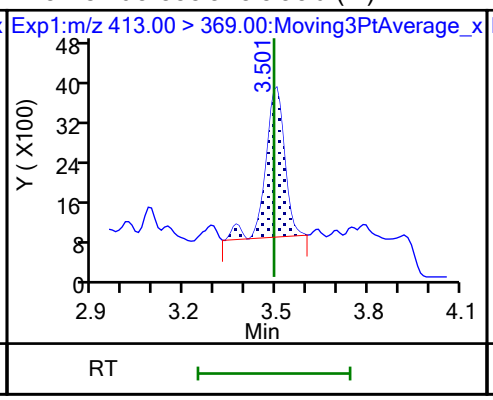
D 14 13C4 PFOA



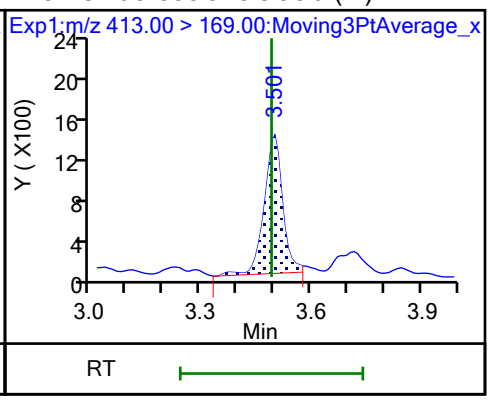
* 62 13C2 PFOA



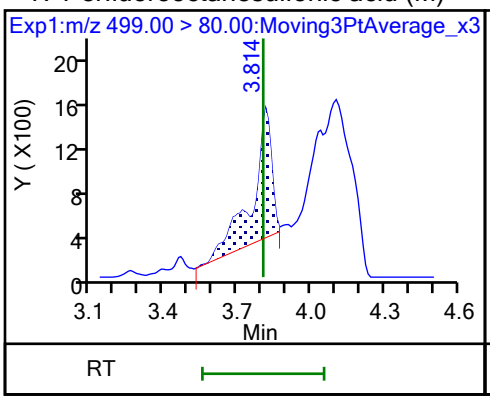
15 Perfluorooctanoic acid (M)



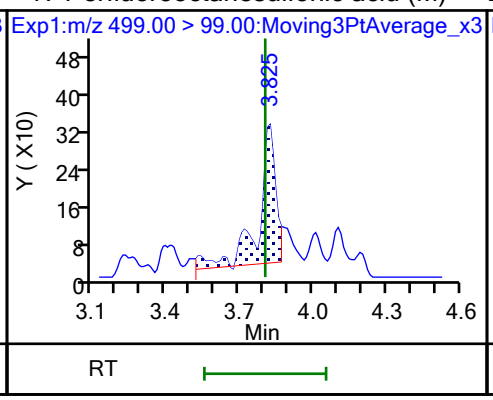
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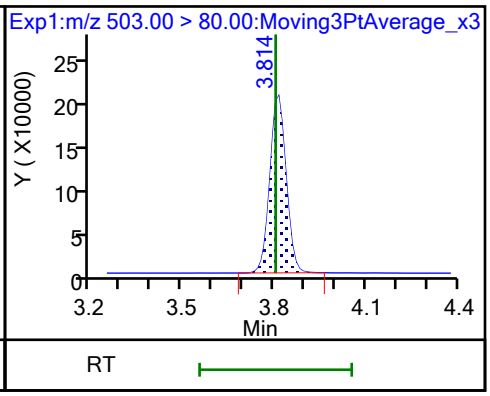
17 Perfluorooctanesulfonic acid (M)



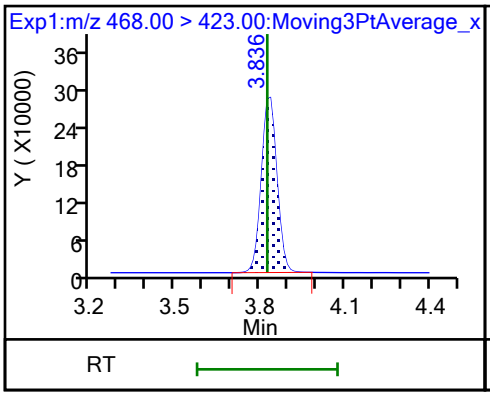
17 Perfluorooctanesulfonic acid (M)



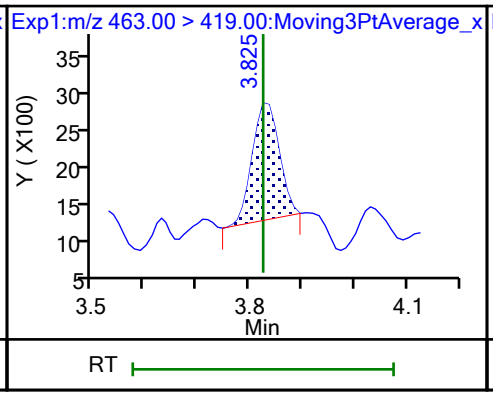
D 18 13C4 PFOS



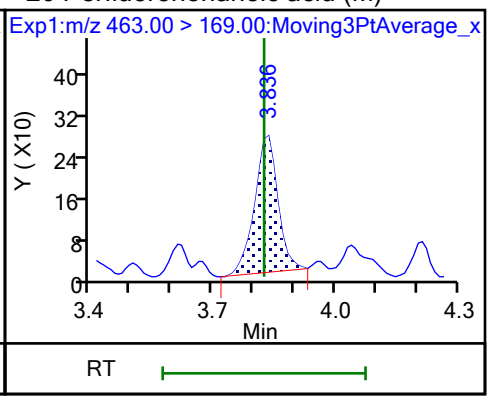
D 19 13C5 PFNA



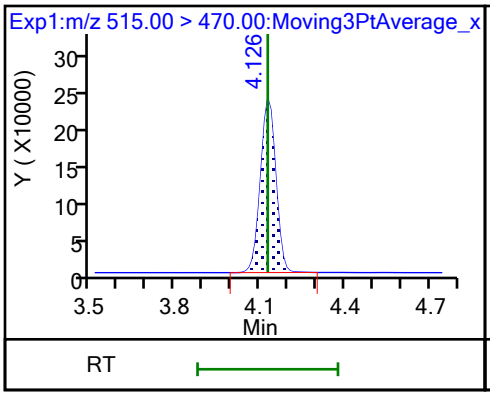
20 Perfluorononanoic acid



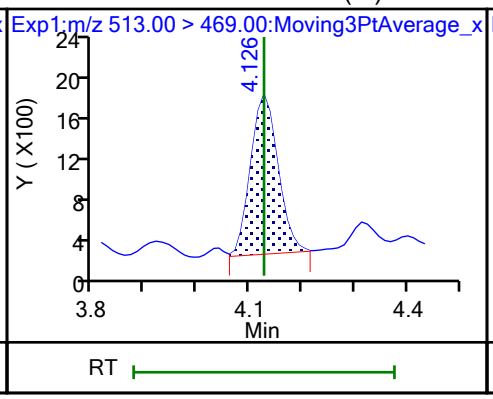
20 Perfluorononanoic acid (M)



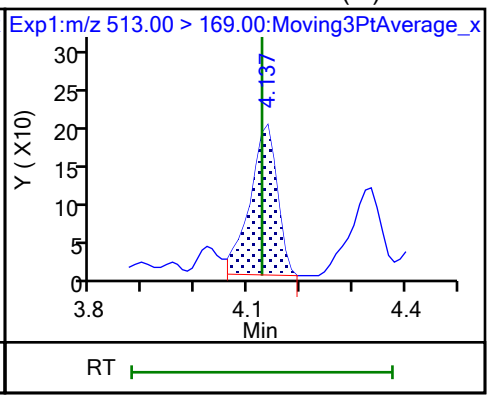
D 23 13C2 PFDA



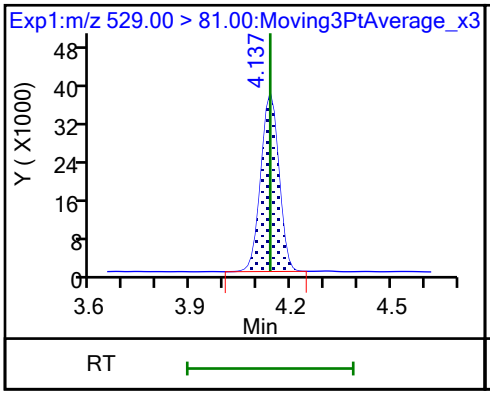
24 Perfluorodecanoic acid (M)



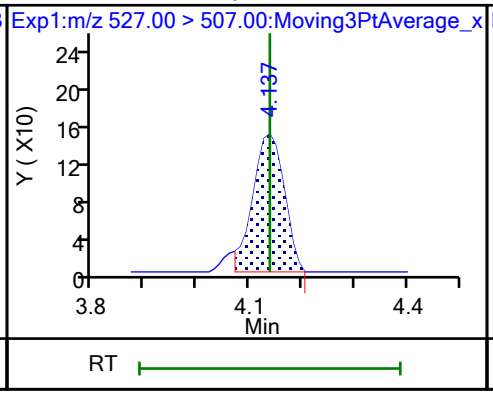
24 Perfluorodecanoic acid (M)



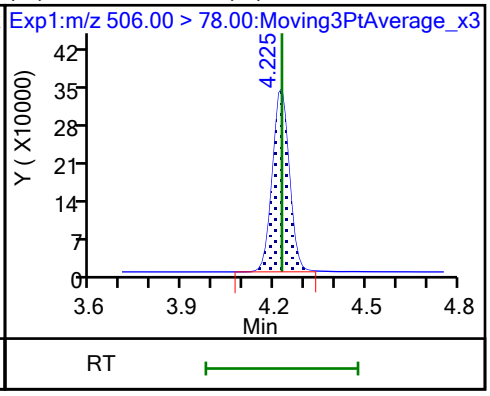
D 26 M2-8:2 FTS



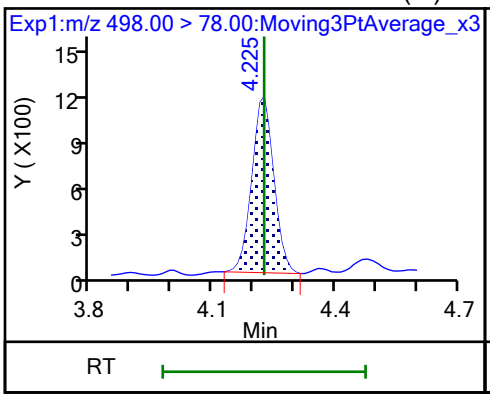
25 1H,1H,2H,2H-perfluorodecanesulfo



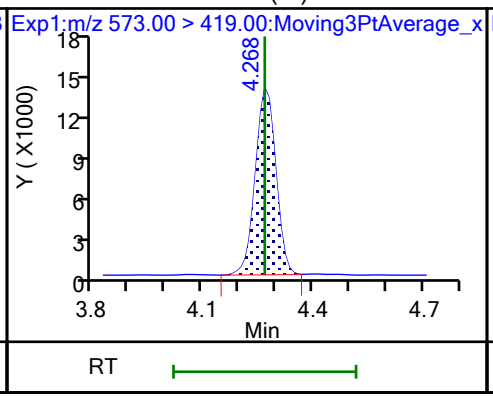
D 21 13C8 FOSA (M)



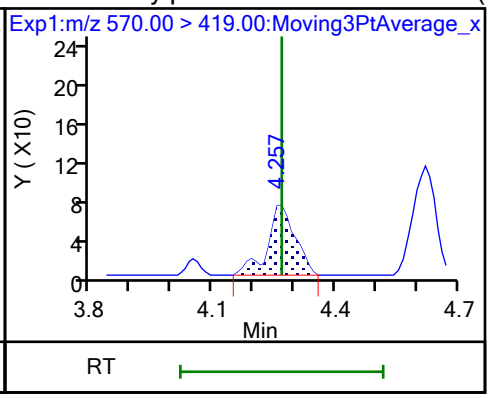
22 Perfluorooctanesulfonamide (M)



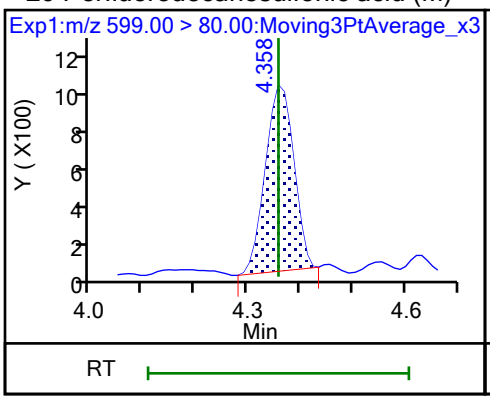
D 27 d3-NMeFOSAA (M)



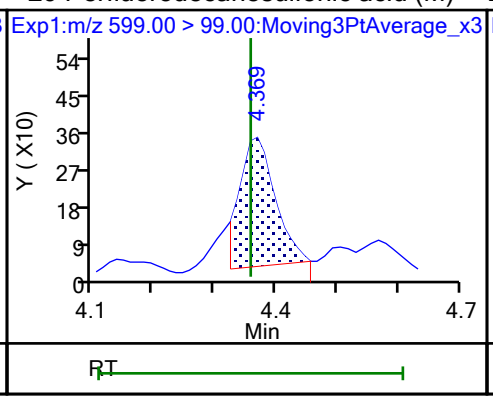
28 N-methylperfluorooctanesulfonami (M)



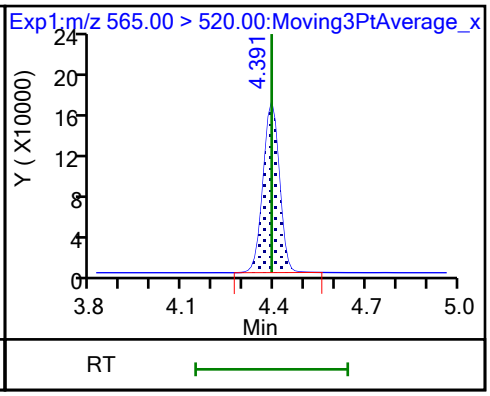
29 Perfluorodecanesulfonic acid (M)



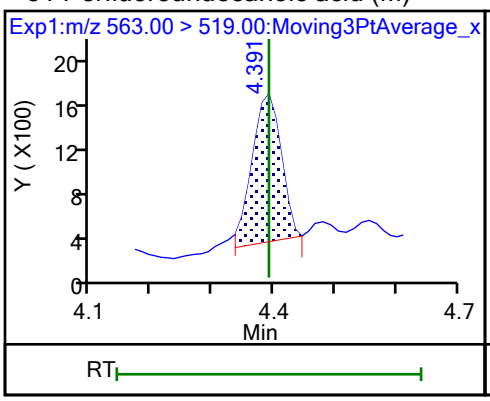
29 Perfluorodecanesulfonic acid (M)



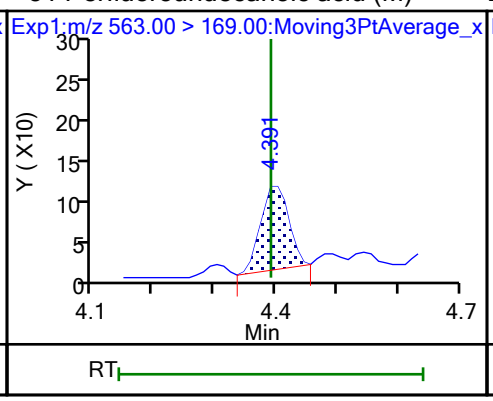
D 30 13C2 PFUnA



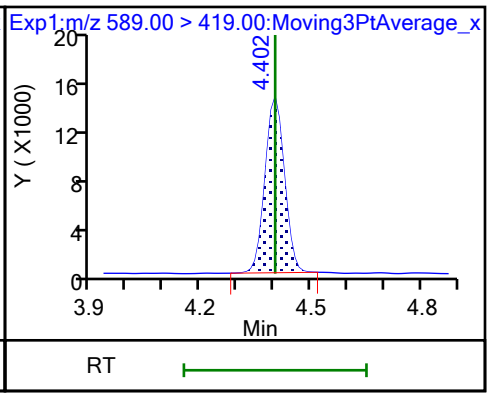
31 Perfluoroundecanoic acid (M)



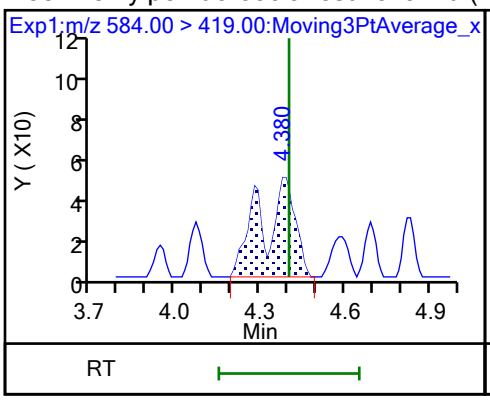
31 Perfluoroundecanoic acid (M)



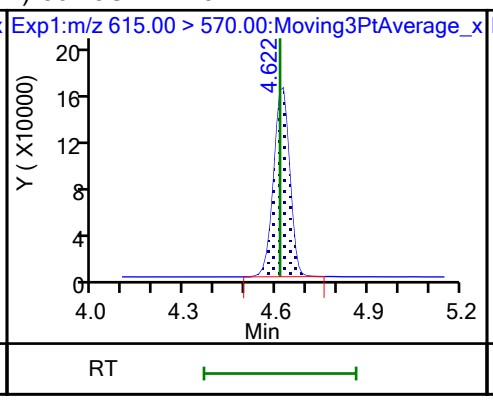
D 32 d5-NEtFOSAA



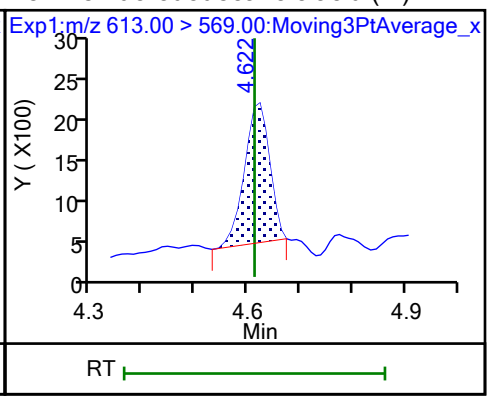
33 N-ethylperfluorooctanesulfonamid (M)



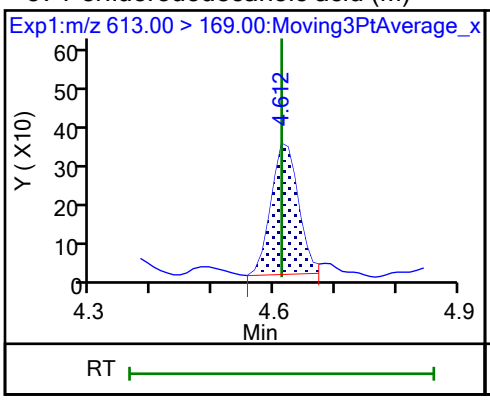
D 36 13C2 PFDoA



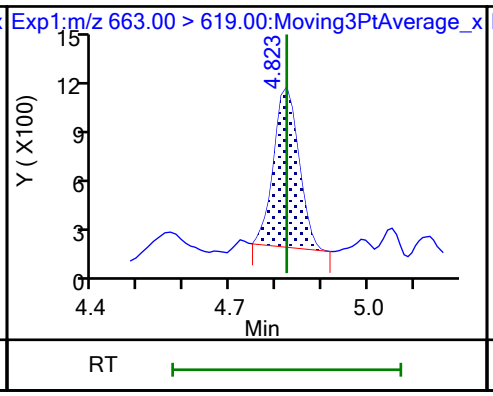
37 Perfluorododecanoic acid (M)



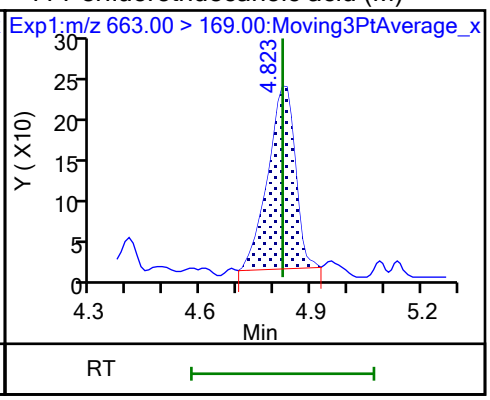
37 Perfluorododecanoic acid (M)



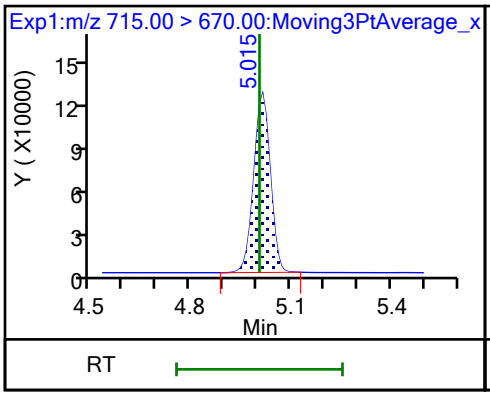
41 Perfluorotridecanoic acid



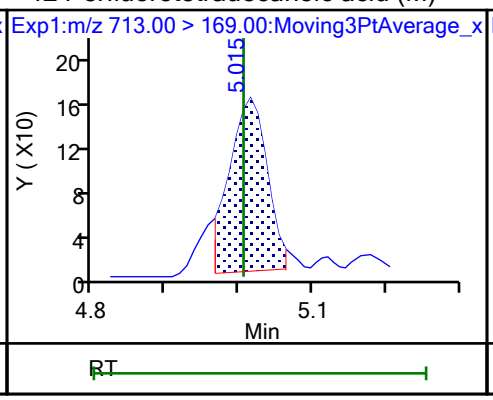
41 Perfluorotridecanoic acid (M)



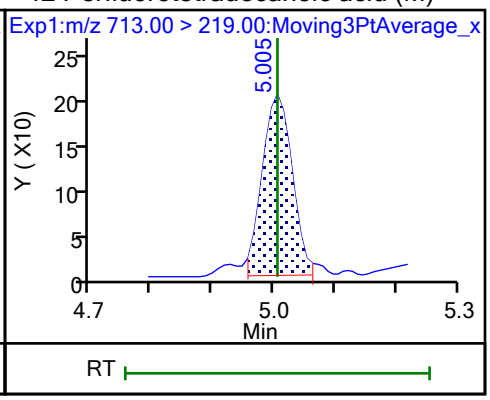
D 43 13C2 PFTeDA



42 Perfluorotetradecanoic acid (M)



42 Perfluorotetradecanoic acid (M)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

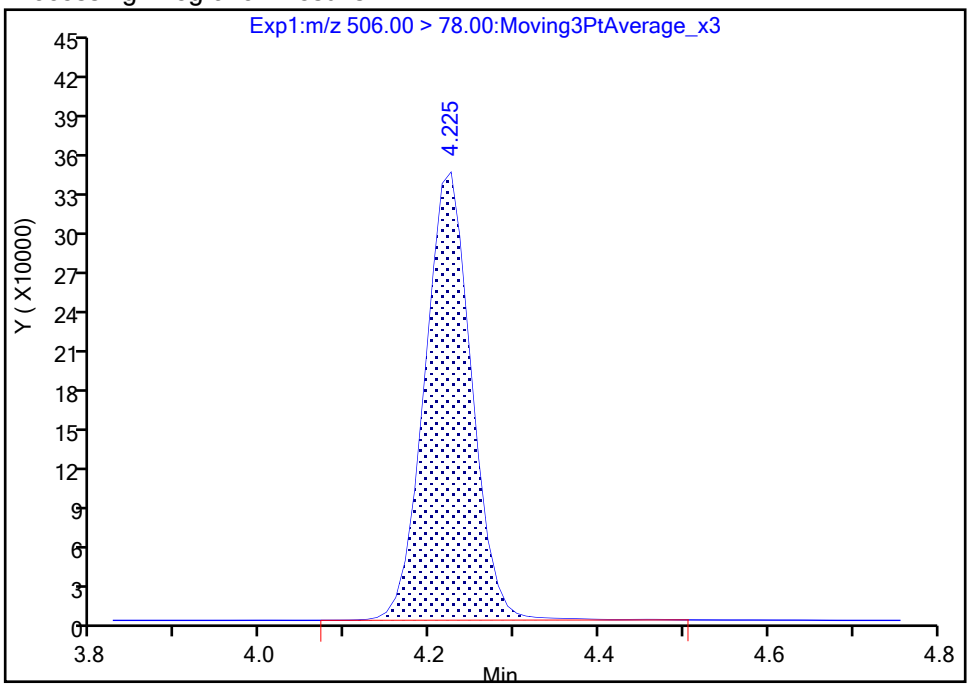
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B20.d				
Injection Date:	03-Mar-2021 21:35:38	Instrument ID:	LC812		
Lims ID:	480-181441-A-9-A	Lab Sample ID:	200-181441-9		
Client ID:	MW-2D-022321				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

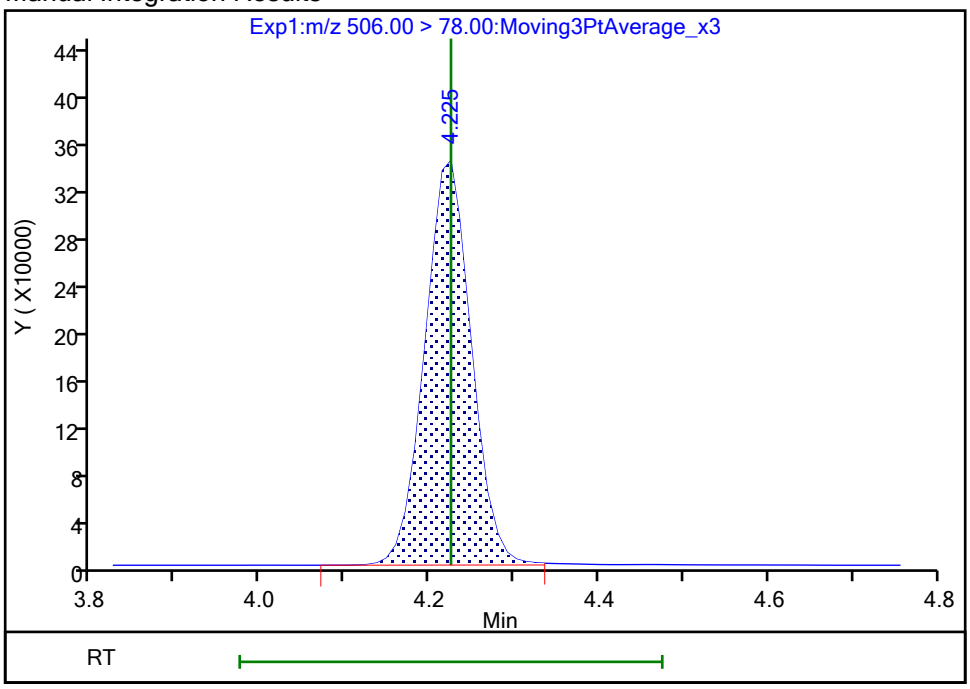
Processing Integration Results

RT: 4.22
Area: 1309247
Amount: 1.097240
Amount Units: ng/ml



Manual Integration Results

RT: 4.22
Area: 1304488
Amount: 1.093252
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:31:21

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

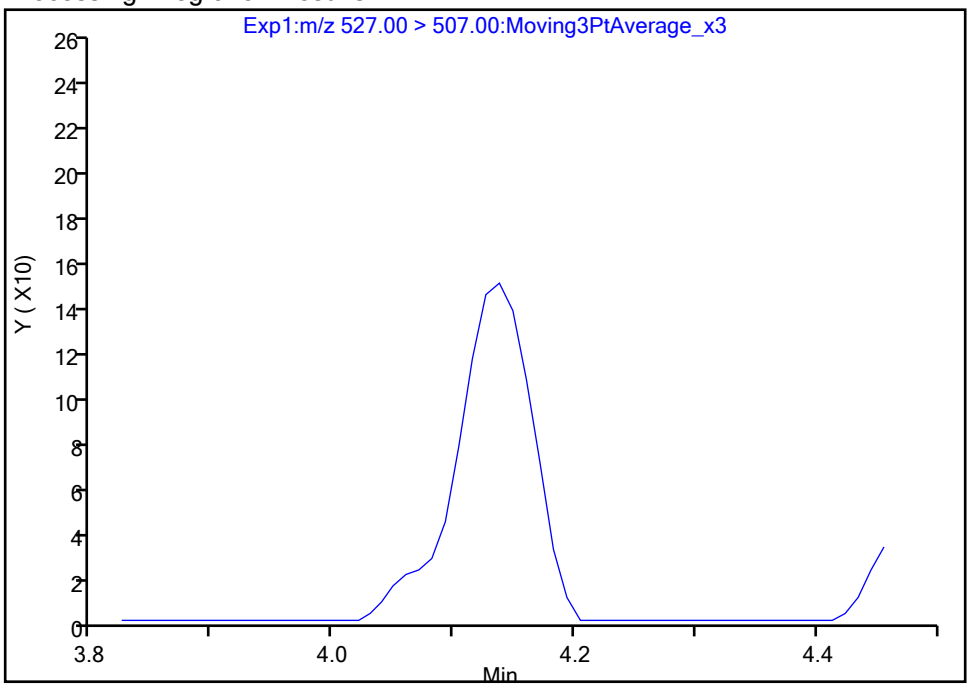
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B20.d				
Injection Date:	03-Mar-2021 21:35:38	Instrument ID:	LC812		
Lims ID:	480-181441-A-9-A	Lab Sample ID:	200-181441-9		
Client ID:	MW-2D-022321				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

25 1H,1H,2H,2H-perfluorodecanesulfo, CAS: 39108-34-4

Signal: 1

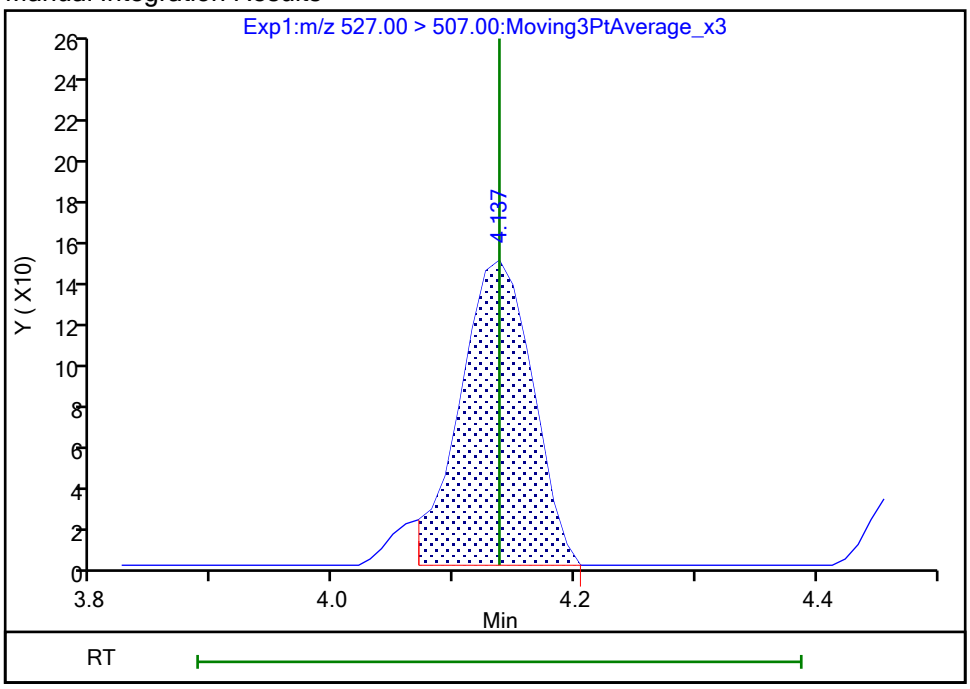
Not Detected
Expected RT: 4.14

Processing Integration Results



Manual Integration Results

RT: 4.14
Area: 610
Amount: 0.007672
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:33:39
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

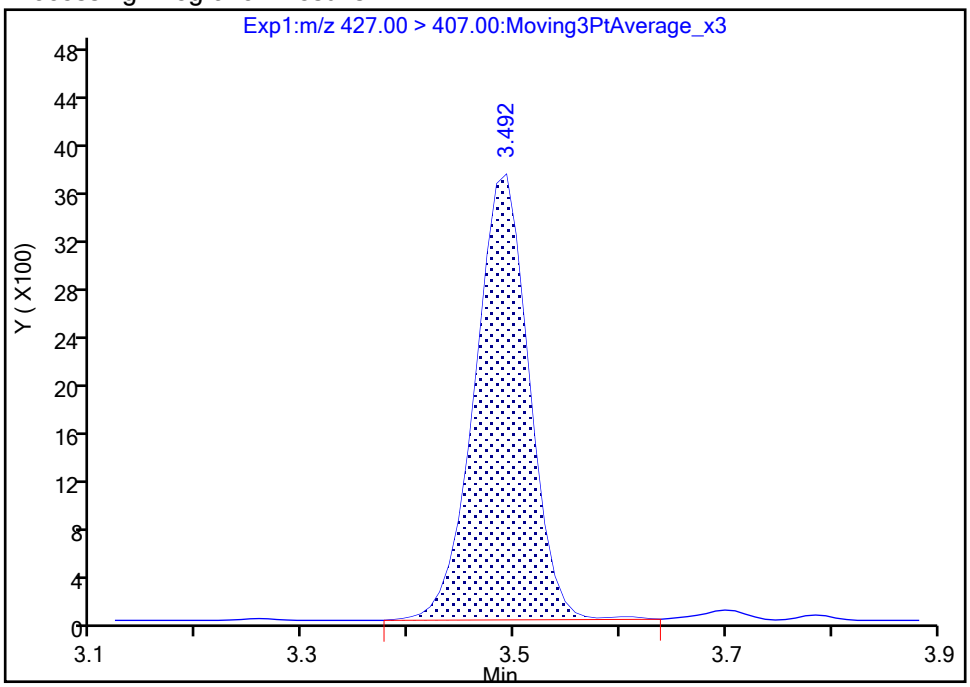
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Injection Date:	03-Mar-2021 21:35:38	Instrument ID:	LC812		
Lims ID:	480-181441-A-9-A	Lab Sample ID:	200-181441-9		
Client ID:	MW-2D-022321				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

Signal: 1

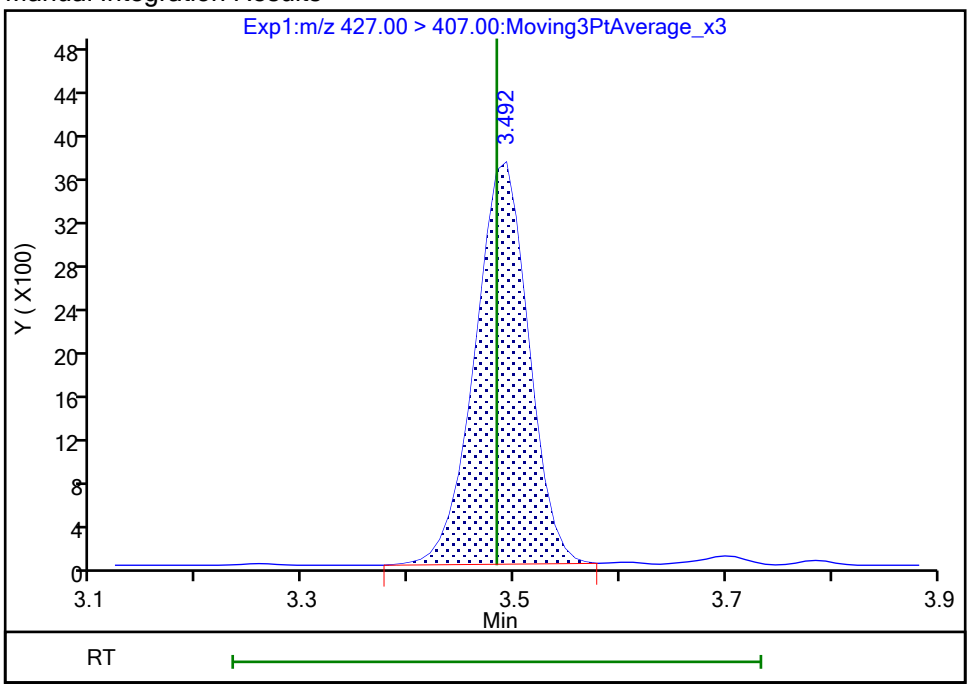
Processing Integration Results

RT: 3.49
Area: 13034
Amount: 0.101901
Amount Units: ng/ml



Manual Integration Results

RT: 3.49
Area: 12929
Amount: 0.101080
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:32:31

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

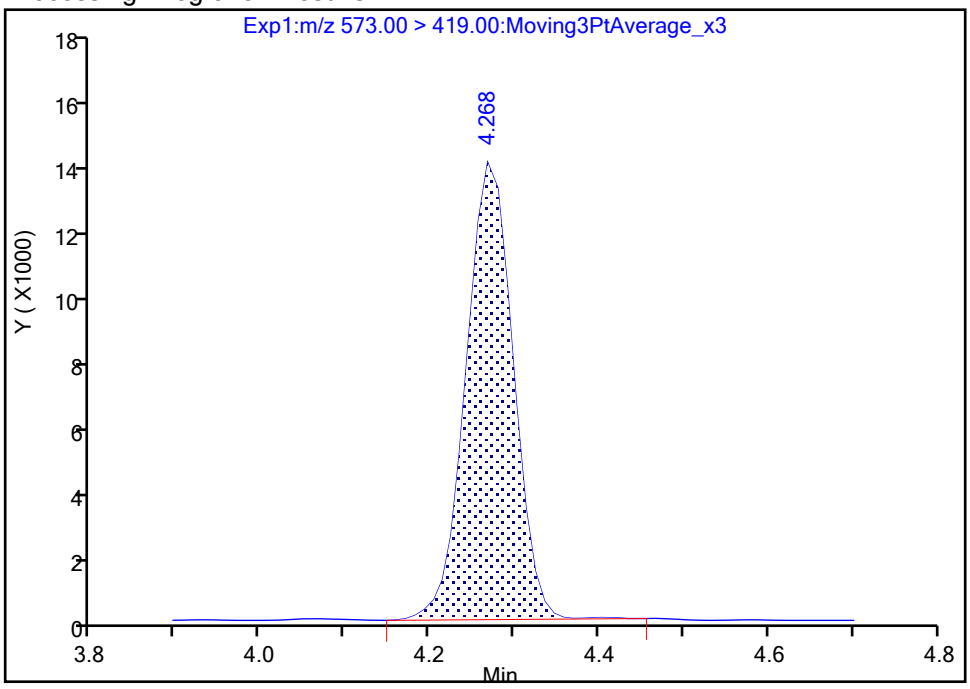
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Injection Date:	03-Mar-2021 21:35:38	Instrument ID:	LC812		
Lims ID:	480-181441-A-9-A	Lab Sample ID:	200-181441-9		
Client ID:	MW-2D-022321				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

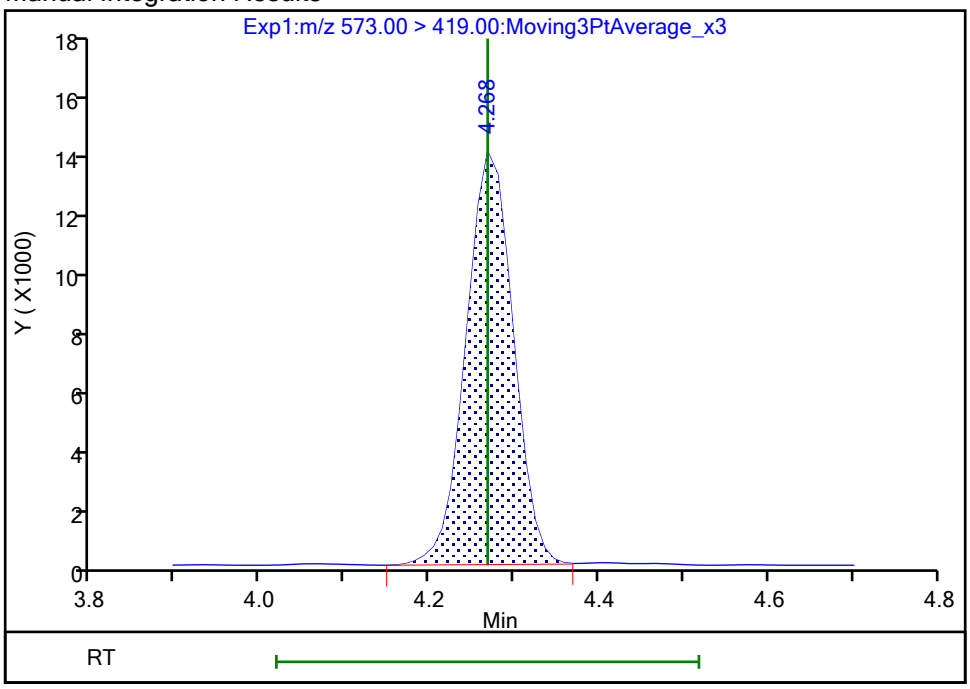
Processing Integration Results

RT: 4.27
Area: 51918
Amount: 0.881803
Amount Units: ng/ml



Manual Integration Results

RT: 4.27
Area: 51813
Amount: 0.880020
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:31:09

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

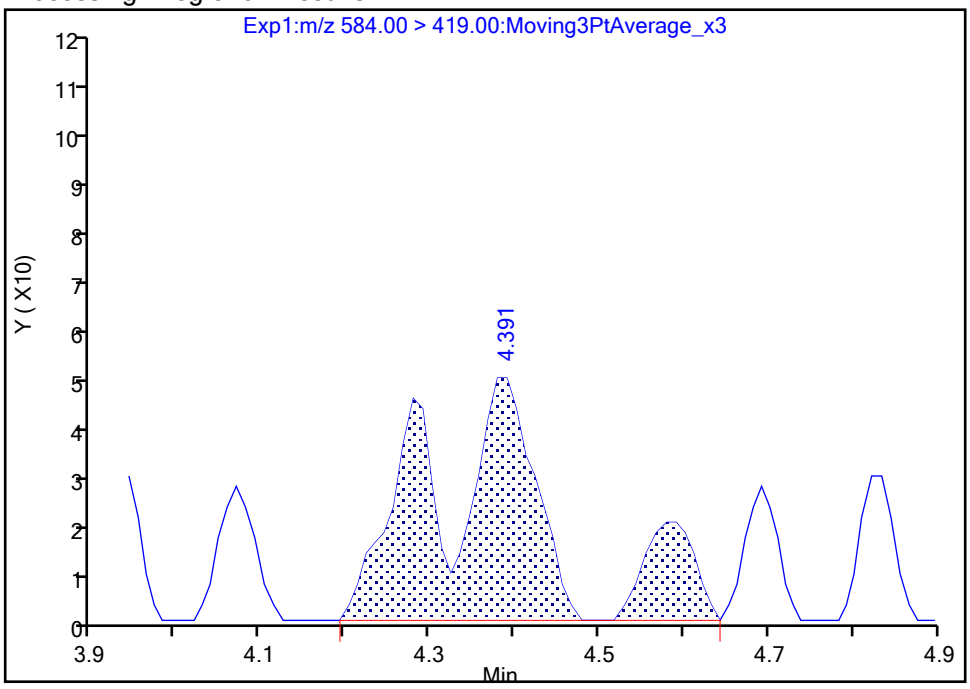
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Injection Date:	03-Mar-2021 21:35:38	Instrument ID:	LC812		
Lims ID:	480-181441-A-9-A	Lab Sample ID:	200-181441-9		
Client ID:	MW-2D-022321				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

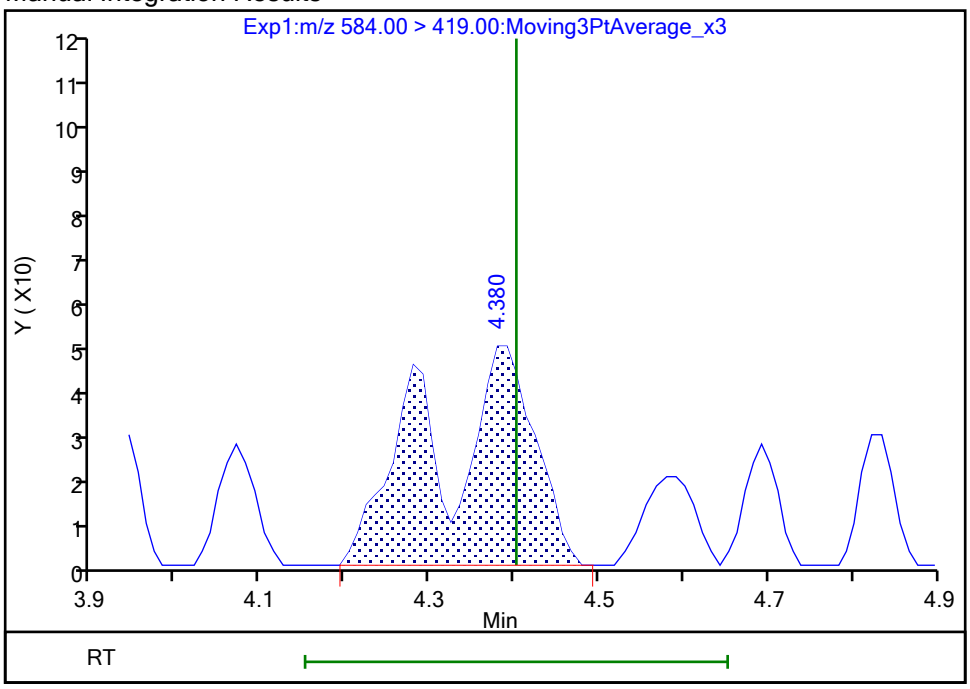
Processing Integration Results

RT: 4.39
Area: 468
Amount: 0.012135
Amount Units: ng/ml



Manual Integration Results

RT: 4.38
Area: 389
Amount: 0.010087
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:34:16
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

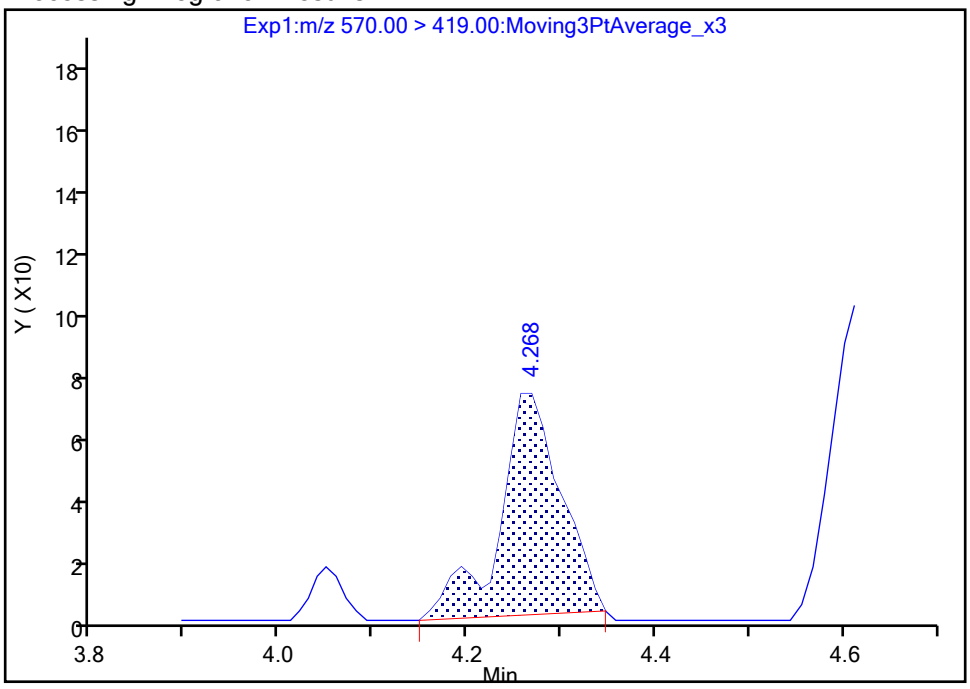
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Injection Date:	03-Mar-2021 21:35:38	Instrument ID:	LC812		
Lims ID:	480-181441-A-9-A	Lab Sample ID:	200-181441-9		
Client ID:	MW-2D-022321				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

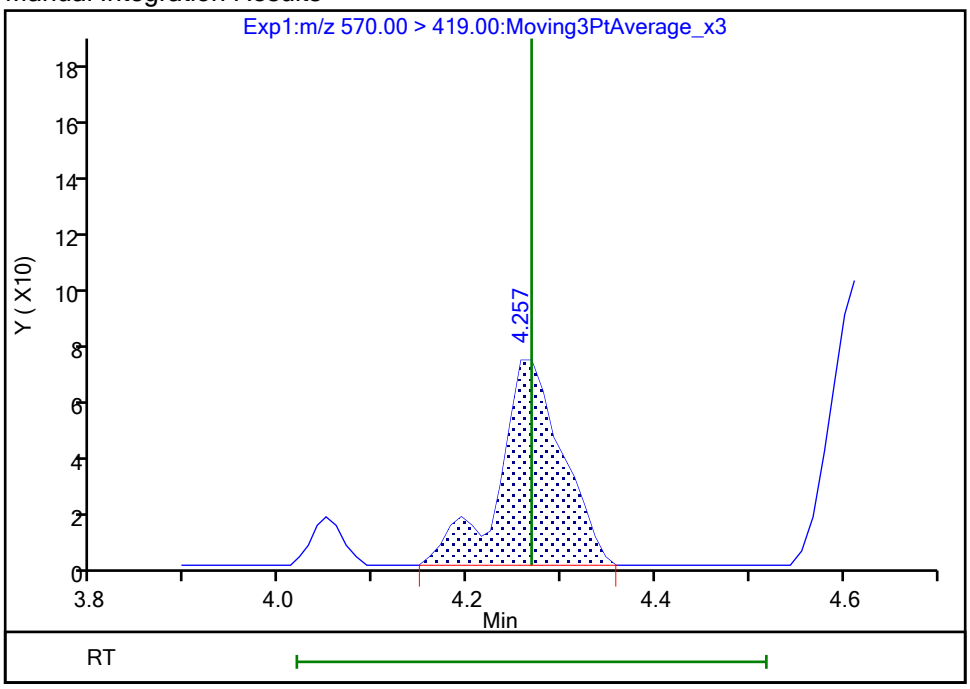
Processing Integration Results

RT: 4.27
Area: 321
Amount: 0.008737
Amount Units: ng/ml



Manual Integration Results

RT: 4.26
Area: 340
Amount: 0.009254
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:33:48

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

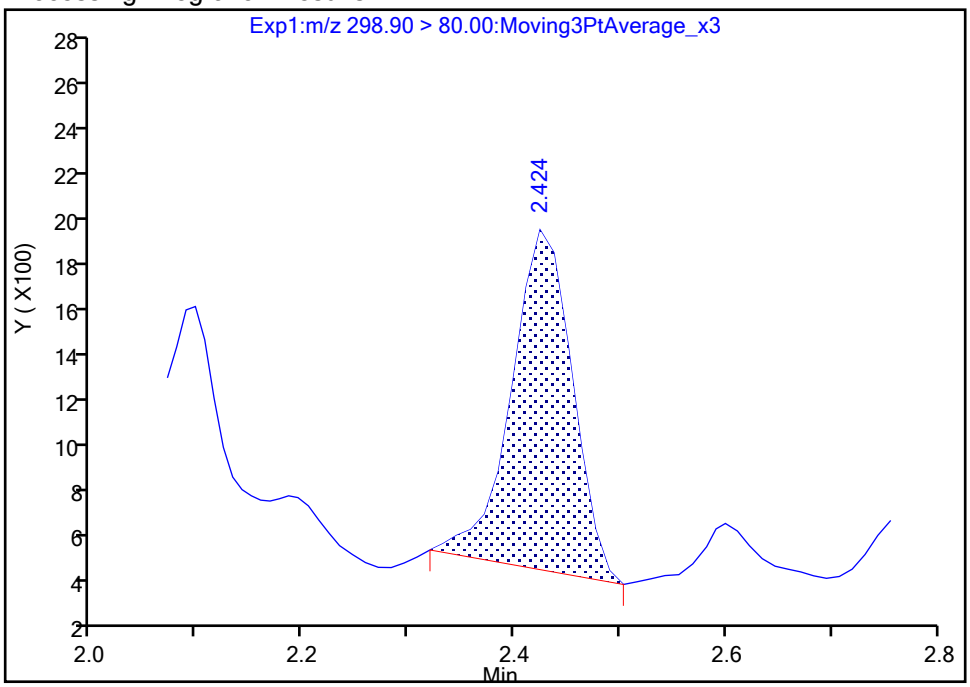
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B20.d				
Injection Date:	03-Mar-2021 21:35:38	Instrument ID:	LC812		
Lims ID:	480-181441-A-9-A	Lab Sample ID:	200-181441-9		
Client ID:	MW-2D-022321				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

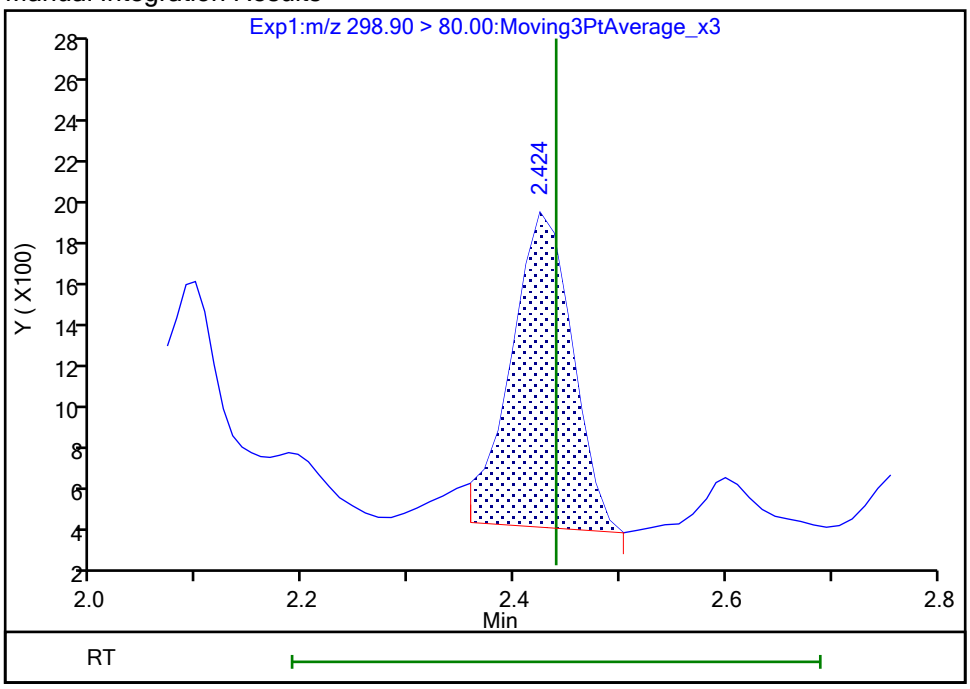
Processing Integration Results

RT: 2.42
Area: 5971
Amount: 0.004192
Amount Units: ng/ml



Manual Integration Results

RT: 2.42
Area: 6129
Amount: 0.004303
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:31:51

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

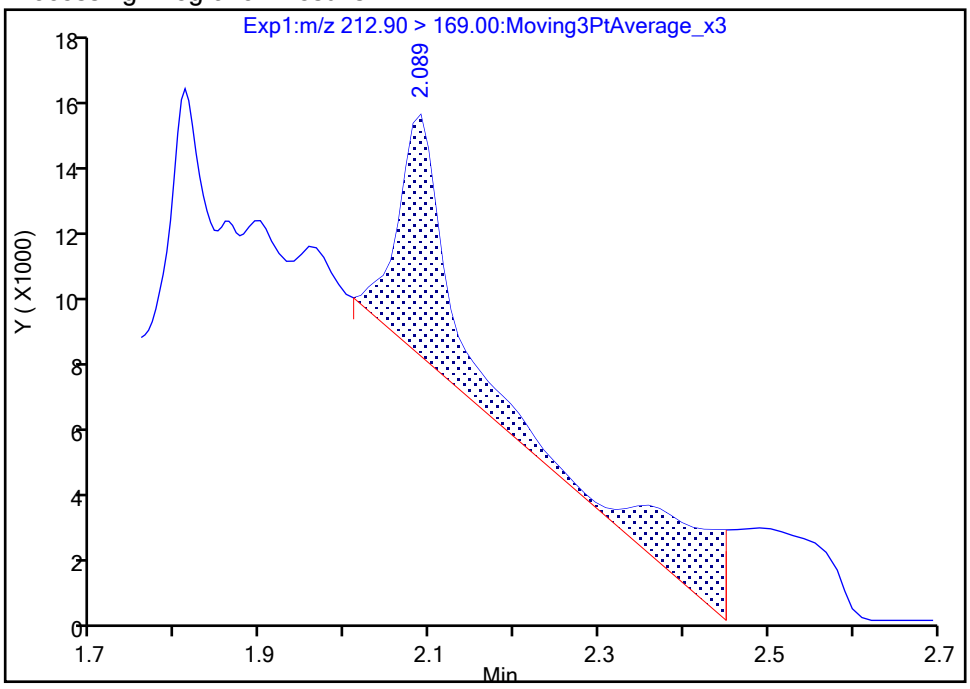
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B20.d				
Injection Date:	03-Mar-2021 21:35:38	Instrument ID:	LC812		
Lims ID:	480-181441-A-9-A	Lab Sample ID:	200-181441-9		
Client ID:	MW-2D-022321				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

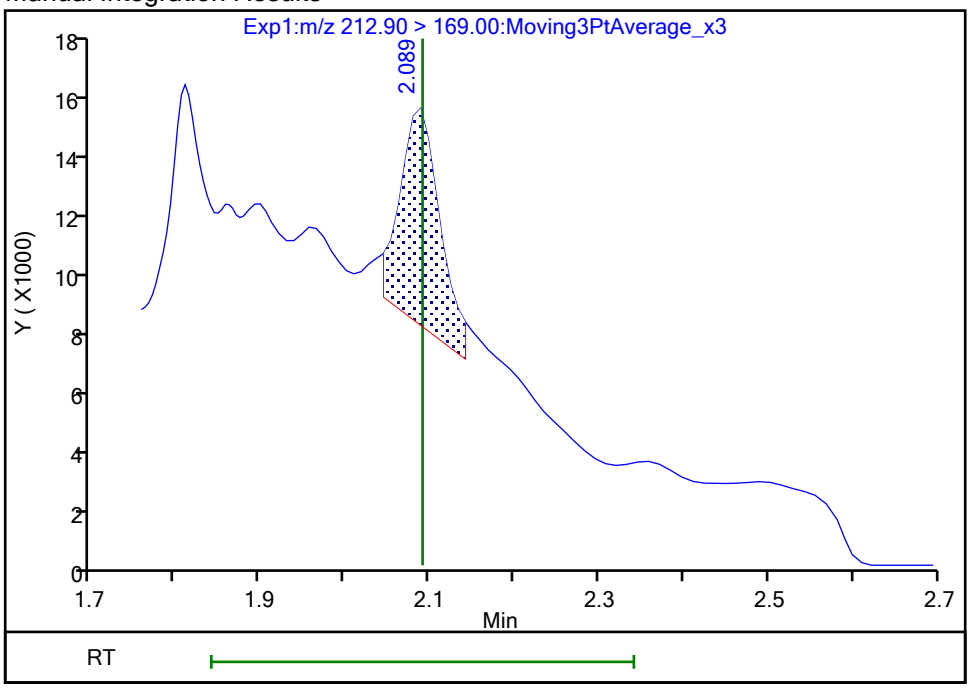
Processing Integration Results

RT: 2.09
Area: 44311
Amount: 0.037204
Amount Units: ng/ml



Manual Integration Results

RT: 2.09
Area: 23540
Amount: 0.019764
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:31:35

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

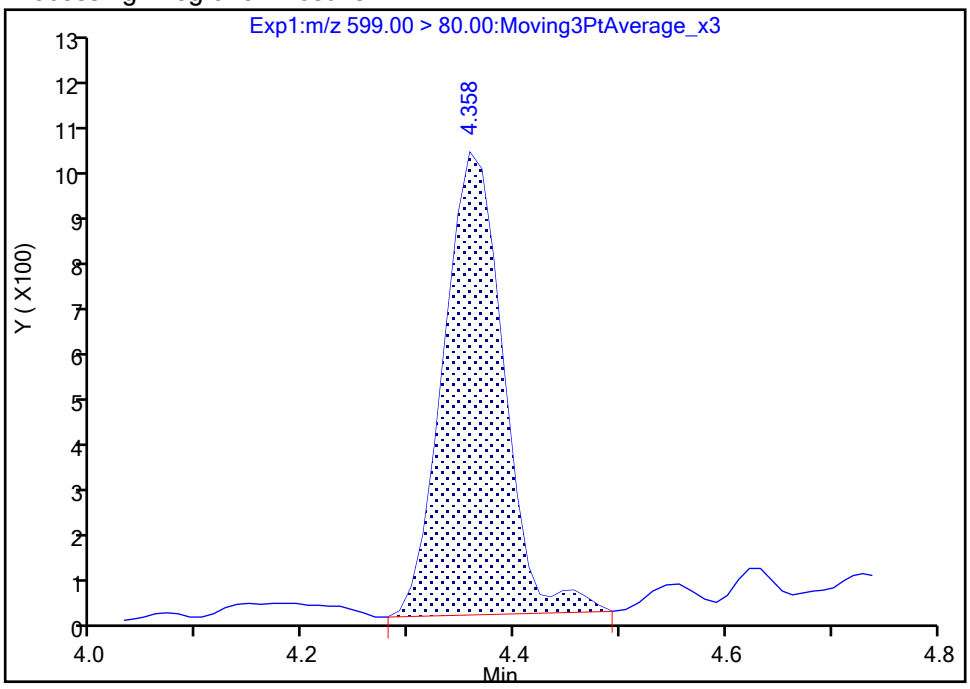
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B20.d				
Injection Date:	03-Mar-2021 21:35:38	Instrument ID:	LC812		
Lims ID:	480-181441-A-9-A	Lab Sample ID:	200-181441-9		
Client ID:	MW-2D-022321				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

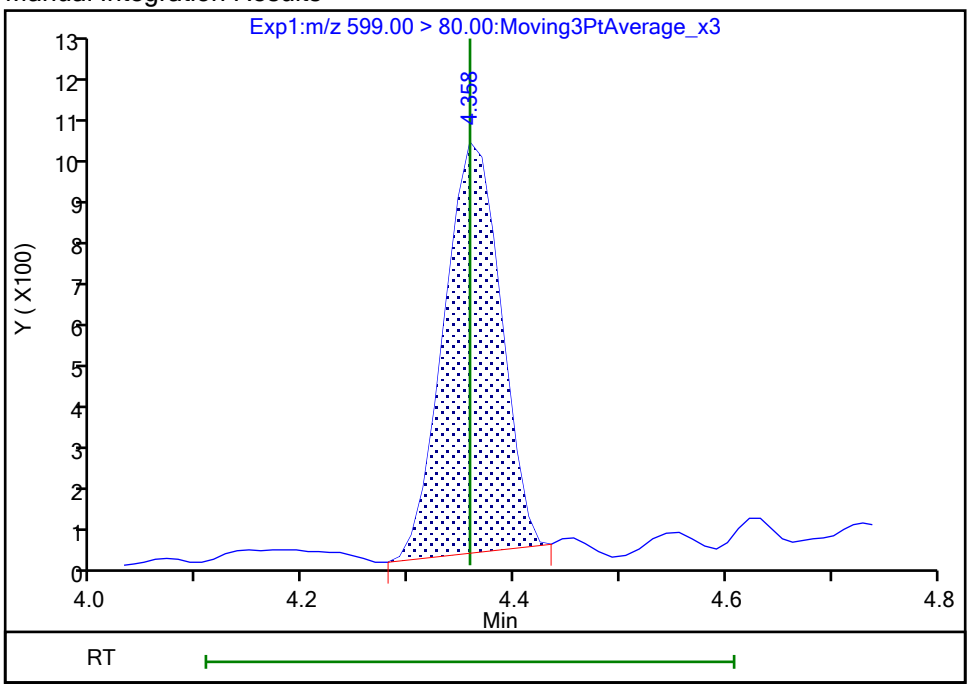
Processing Integration Results

RT: 4.36
Area: 3864
Amount: 0.008940
Amount Units: ng/ml



Manual Integration Results

RT: 4.36
Area: 3606
Amount: 0.008343
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:33:55

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

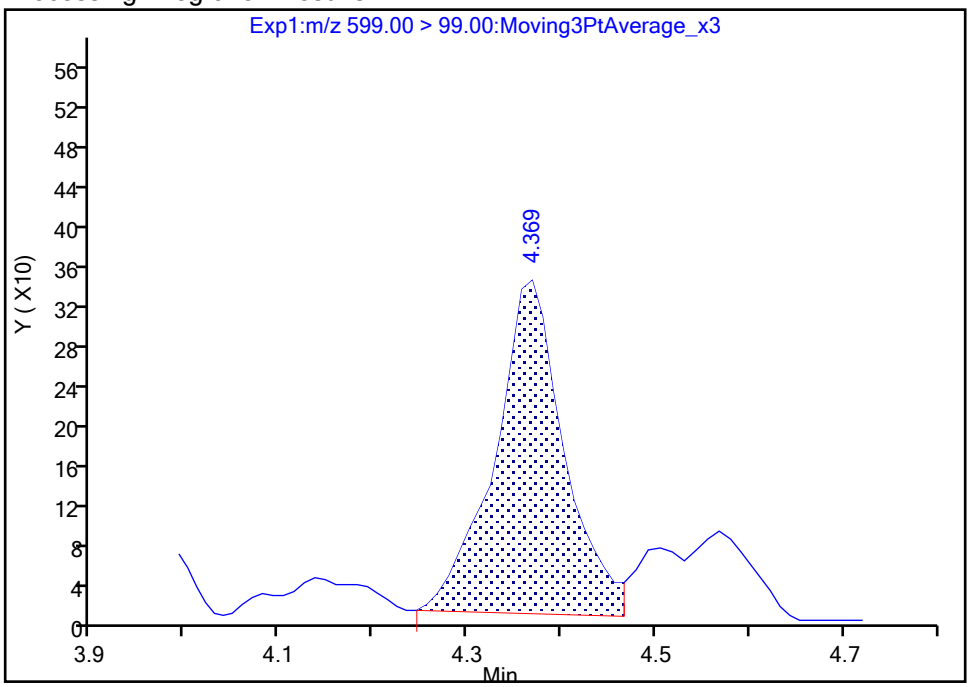
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B20.d				
Injection Date:	03-Mar-2021 21:35:38	Instrument ID:	LC812		
Lims ID:	480-181441-A-9-A	Lab Sample ID:	200-181441-9		
Client ID:	MW-2D-022321				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

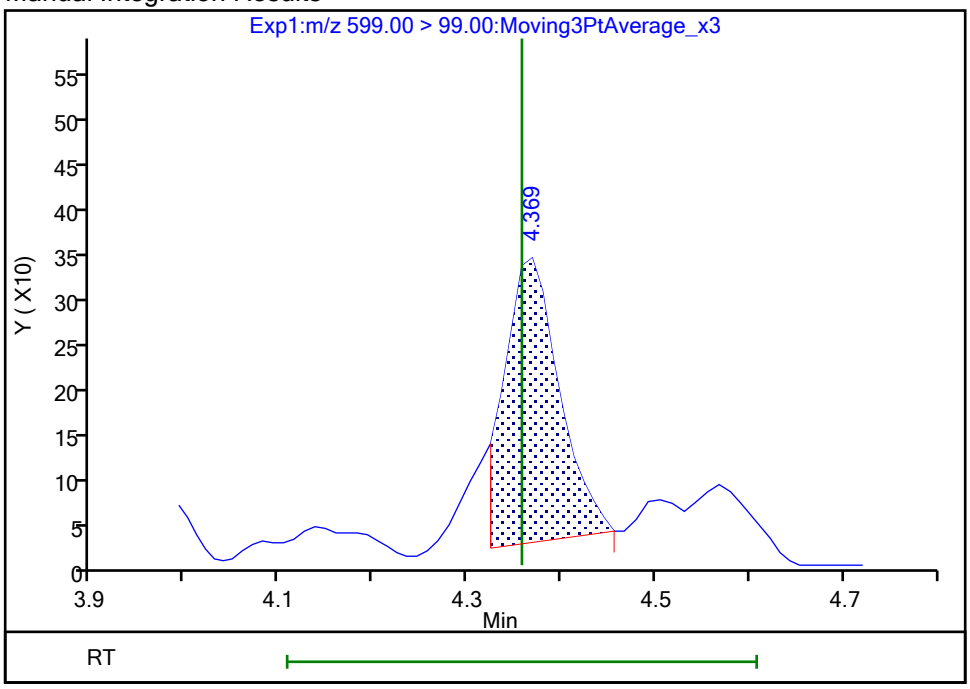
Processing Integration Results

RT: 4.37
Area: 1722
Amount: 0.008940
Amount Units: ng/ml



Manual Integration Results

RT: 4.37
Area: 1272
Amount: 0.008343
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:34:03
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

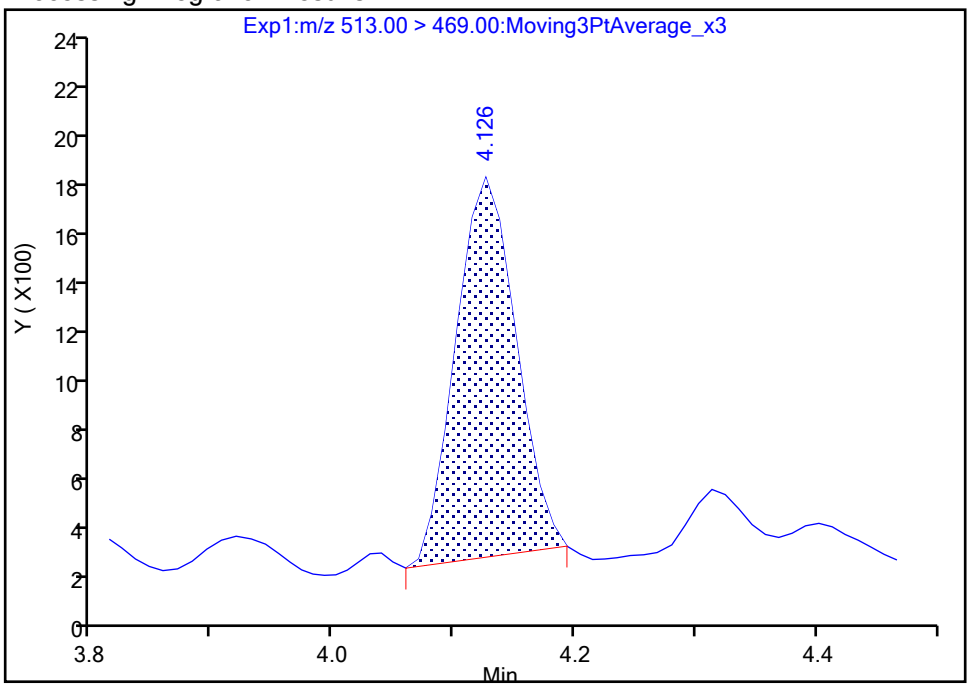
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B20.d				
Injection Date:	03-Mar-2021 21:35:38	Instrument ID:	LC812		
Lims ID:	480-181441-A-9-A	Lab Sample ID:	200-181441-9		
Client ID:	MW-2D-022321				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

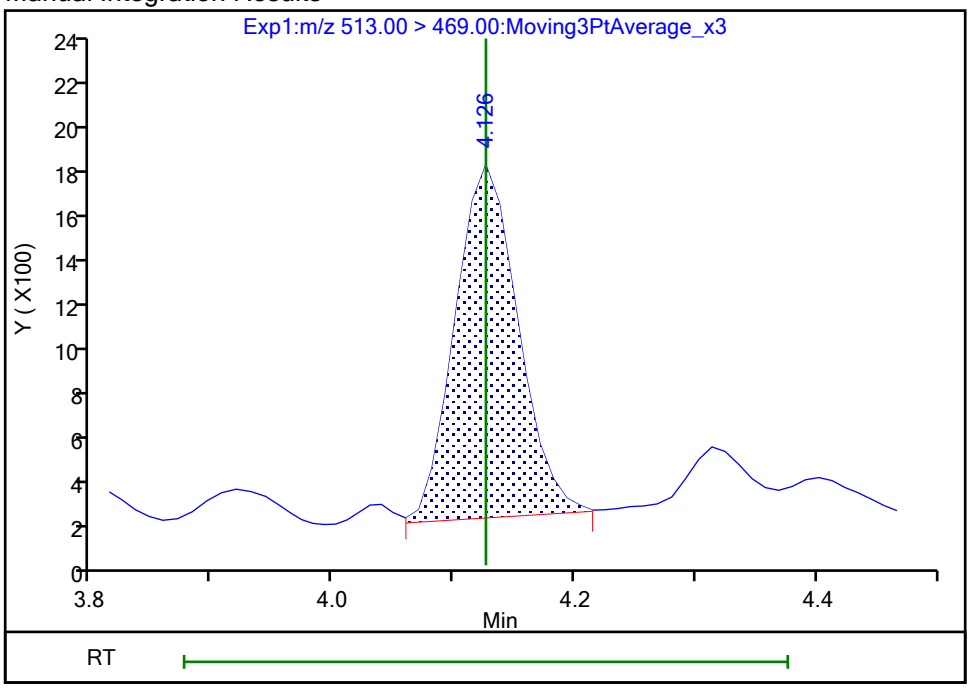
Processing Integration Results

RT: 4.13
Area: 5318
Amount: 0.007268
Amount Units: ng/ml



Manual Integration Results

RT: 4.13
Area: 5713
Amount: 0.007808
Amount Units: ng/ml



Reviewer: deannd, 04-Mar-2021 10:13:44

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

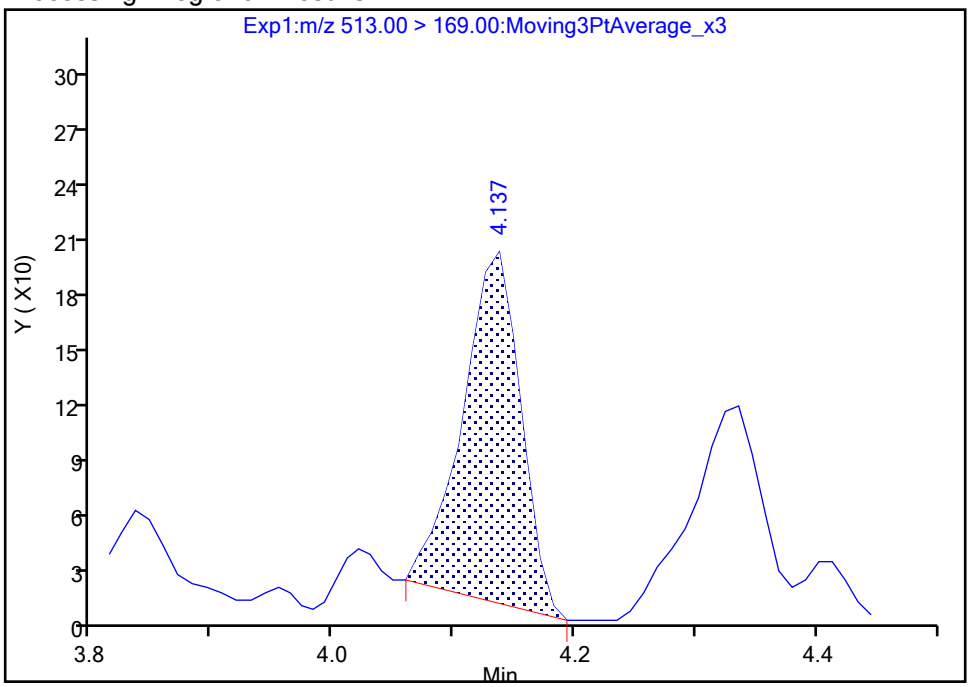
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B20.d				
Injection Date:	03-Mar-2021 21:35:38	Instrument ID:	LC812		
Lims ID:	480-181441-A-9-A	Lab Sample ID:	200-181441-9		
Client ID:	MW-2D-022321				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

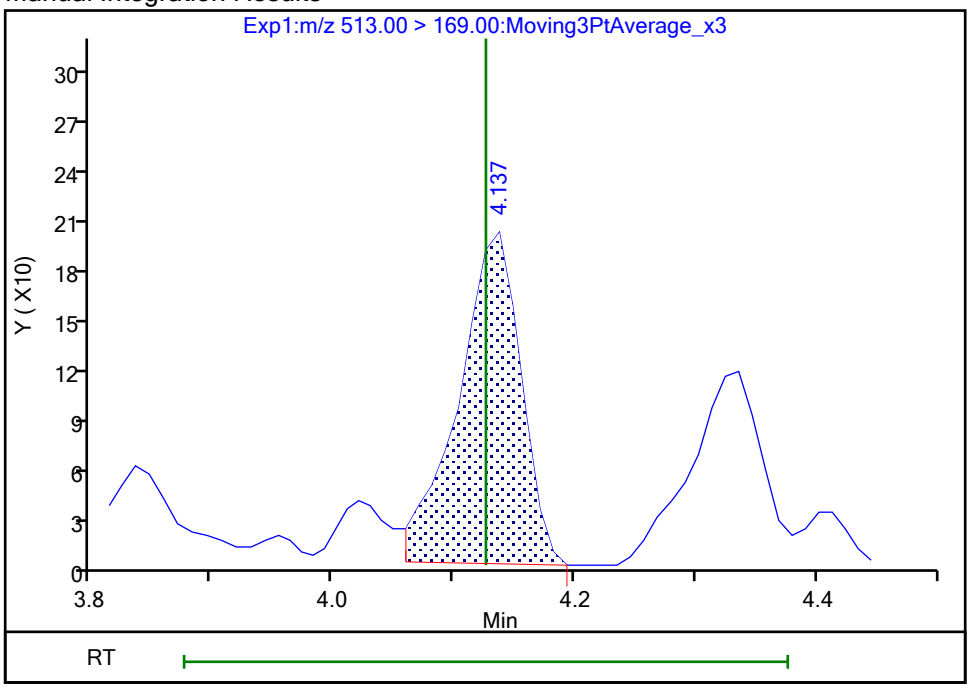
Processing Integration Results

RT: 4.14
Area: 638
Amount: 0.007268
Amount Units: ng/ml



Manual Integration Results

RT: 4.14
Area: 718
Amount: 0.007808
Amount Units: ng/ml



Reviewer: deannd, 04-Mar-2021 10:13:50
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

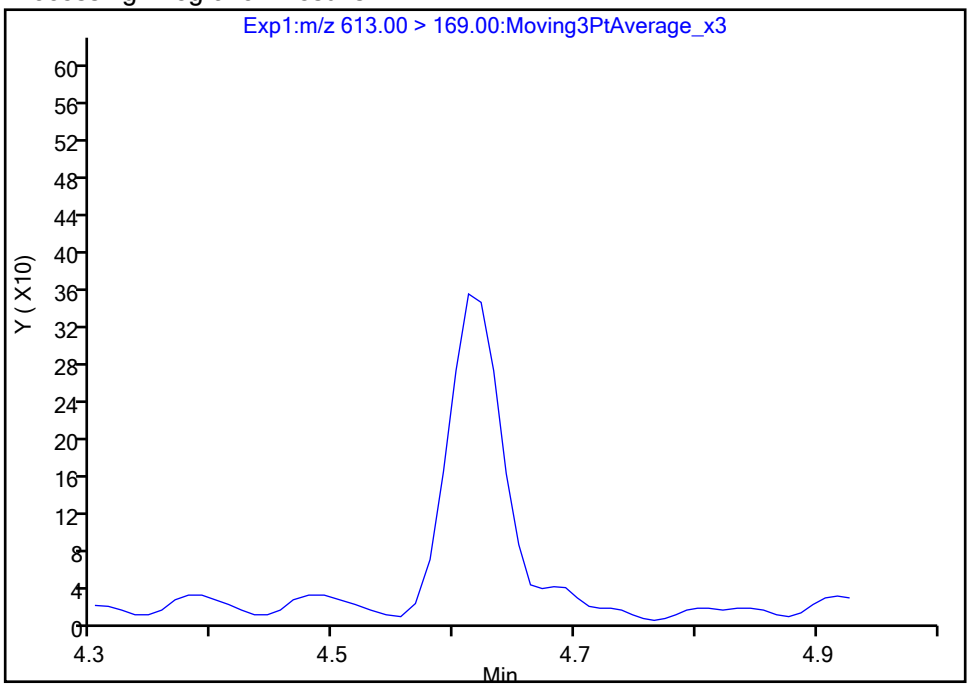
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B20.d				
Injection Date:	03-Mar-2021 21:35:38	Instrument ID:	LC812		
Lims ID:	480-181441-A-9-A	Lab Sample ID:	200-181441-9		
Client ID:	MW-2D-022321				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

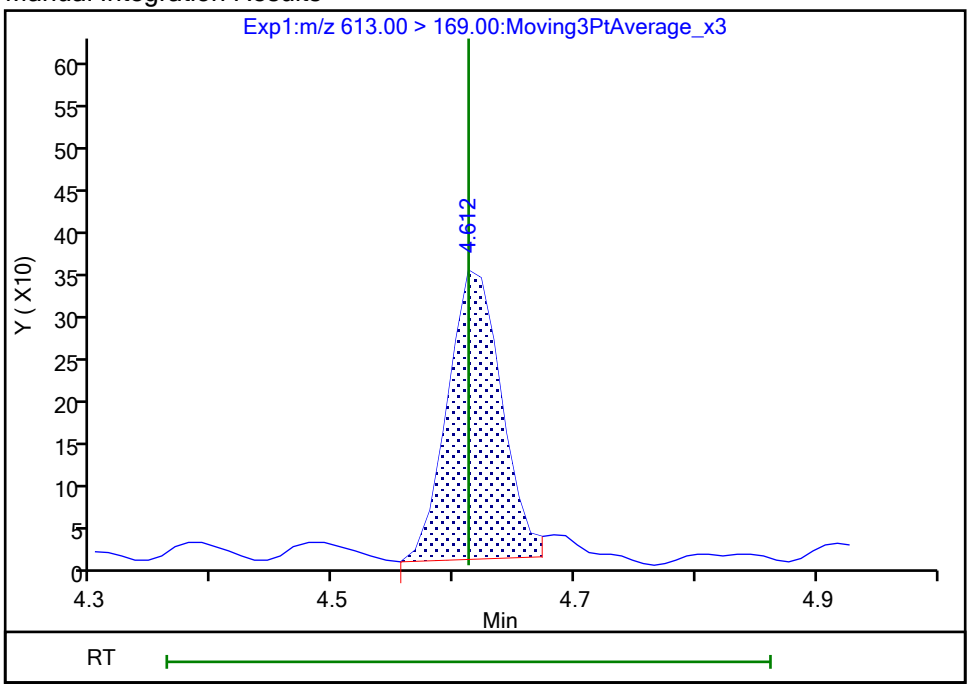
Not Detected
Expected RT: 4.61

Processing Integration Results



Manual Integration Results

RT: 4.61
Area: 1055
Amount: 0.011250
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:34:22
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

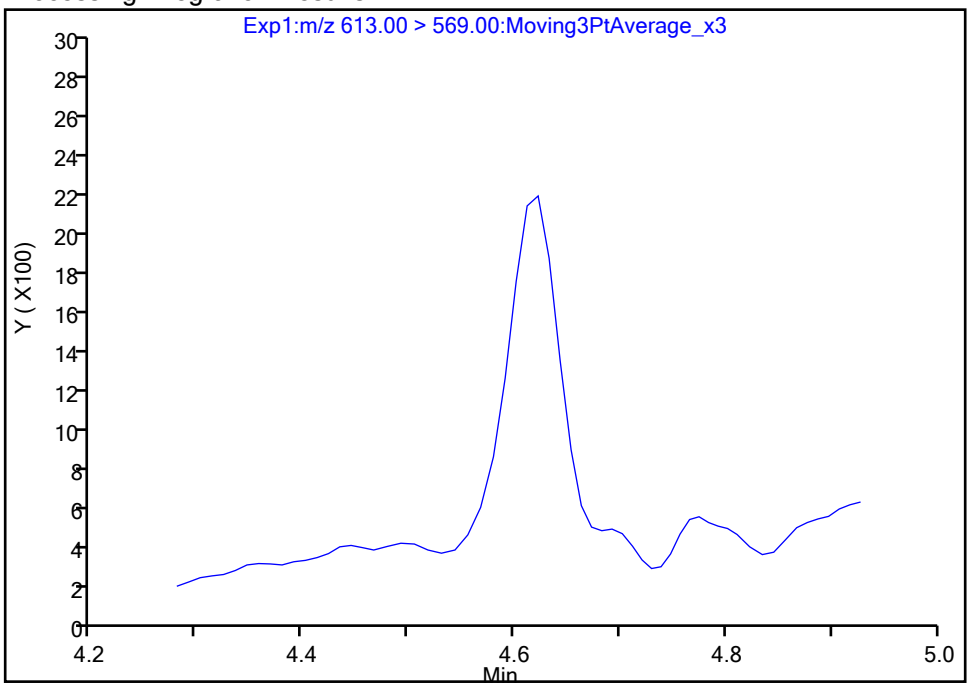
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Injection Date:	03-Mar-2021 21:35:38	Instrument ID:	LC812		
Lims ID:	480-181441-A-9-A	Lab Sample ID:	200-181441-9		
Client ID:	MW-2D-022321				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

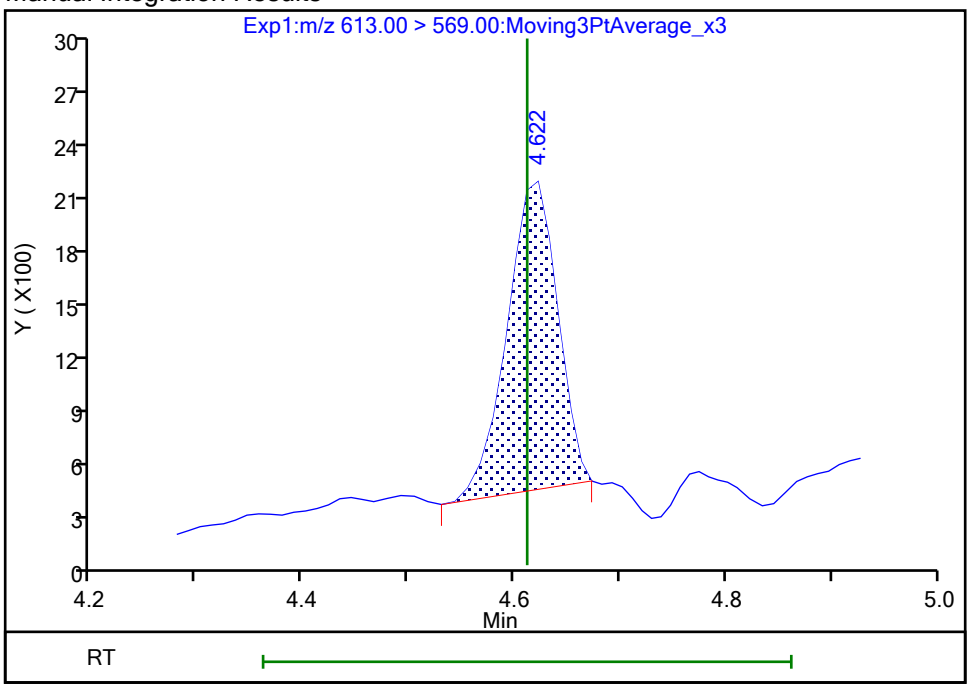
Not Detected
Expected RT: 4.61

Processing Integration Results



Manual Integration Results

RT: 4.62
Area: 5669
Amount: 0.011250
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:34:29
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

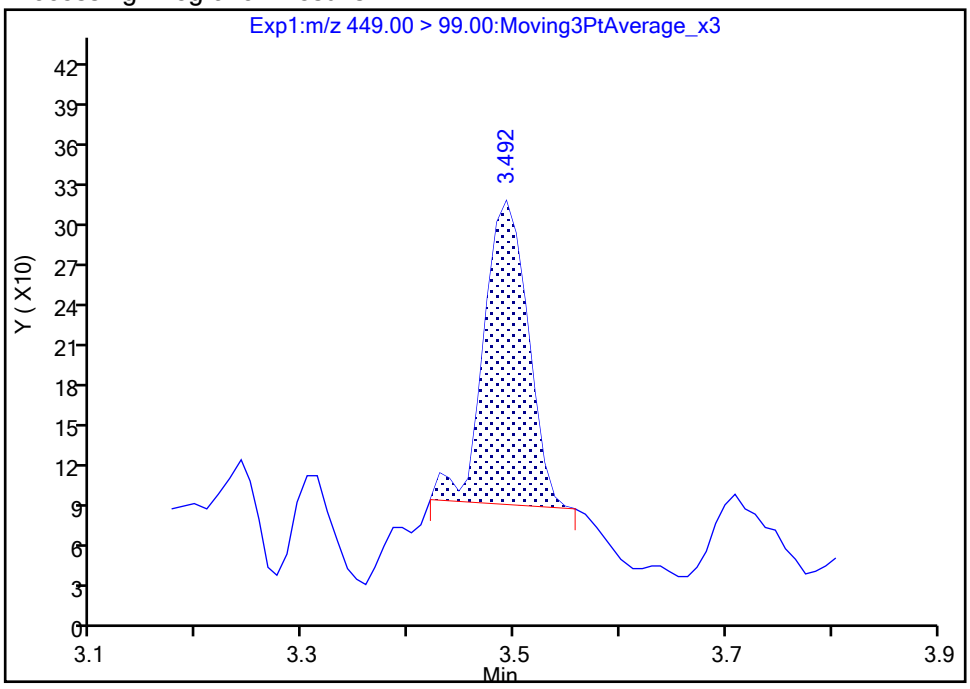
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B20.d				
Injection Date:	03-Mar-2021 21:35:38	Instrument ID:	LC812		
Lims ID:	480-181441-A-9-A	Lab Sample ID:	200-181441-9		
Client ID:	MW-2D-022321				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

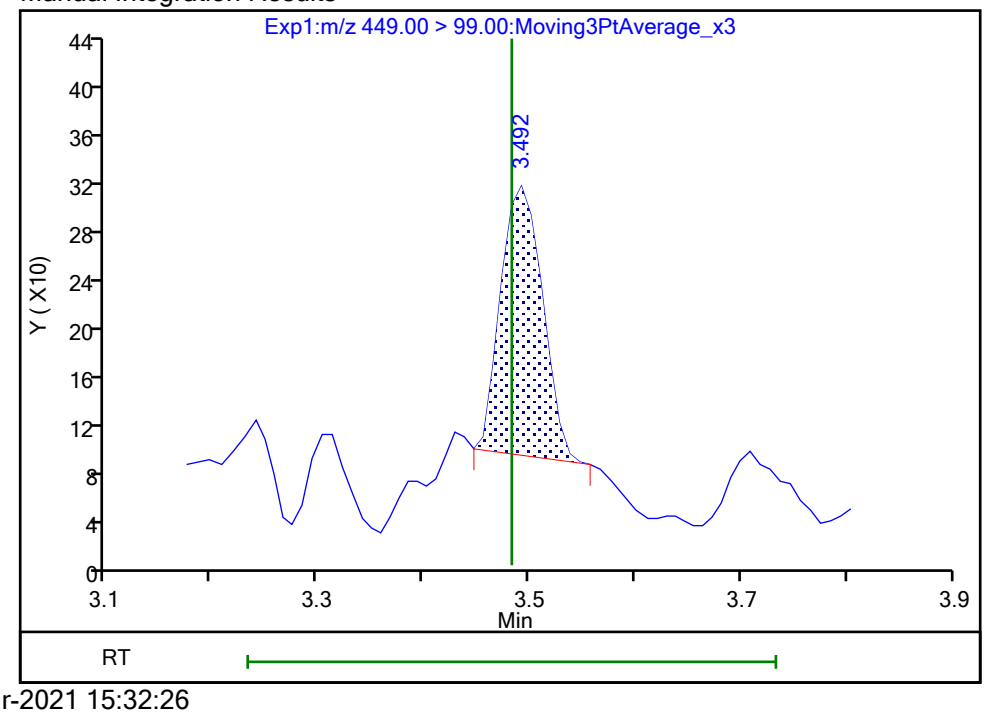
Processing Integration Results

RT: 3.49
Area: 660
Amount: 0.005654
Amount Units: ng/ml



Manual Integration Results

RT: 3.49
Area: 614
Amount: 0.005654
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:32:26

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

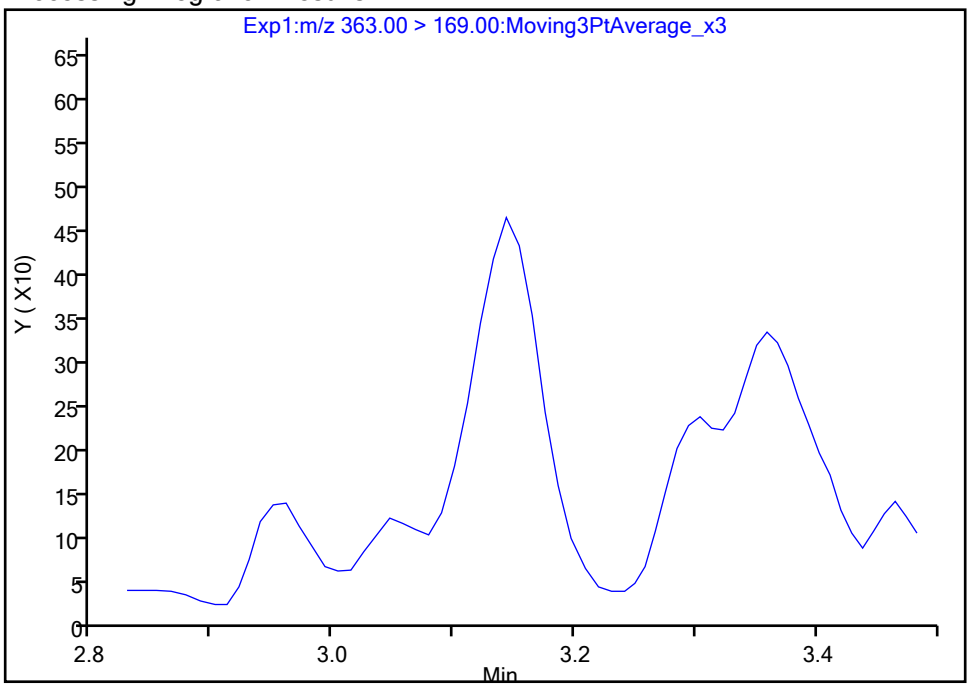
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Injection Date:	03-Mar-2021 21:35:38	Instrument ID:	LC812		
Lims ID:	480-181441-A-9-A	Lab Sample ID:	200-181441-9		
Client ID:	MW-2D-022321				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

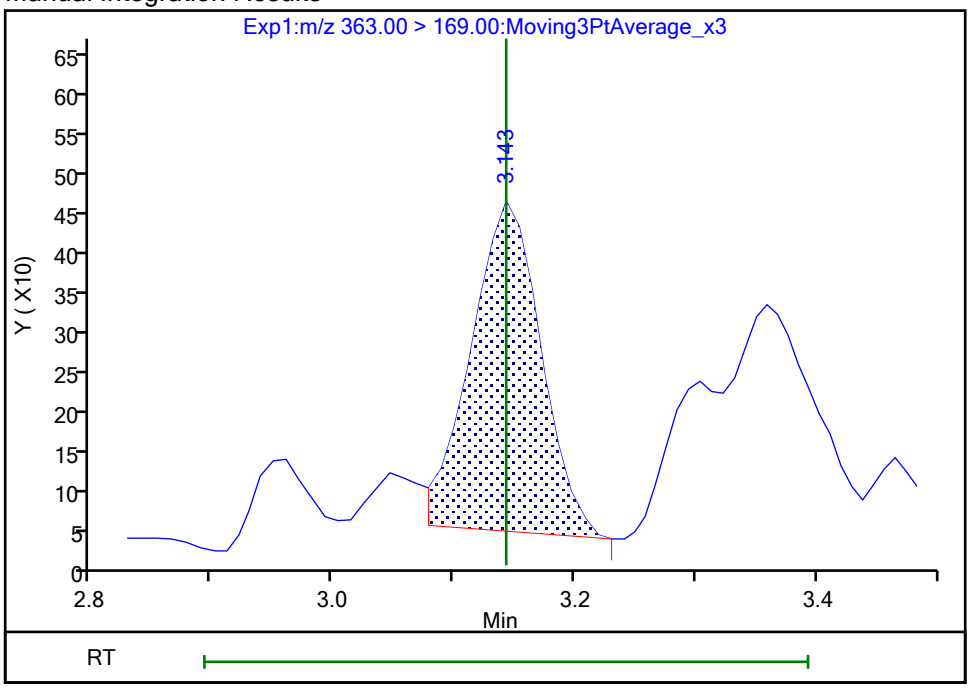
Not Detected
Expected RT: 3.14

Processing Integration Results



Manual Integration Results

RT: 3.14
Area: 1663
Amount: 0.005682
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:32:20
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

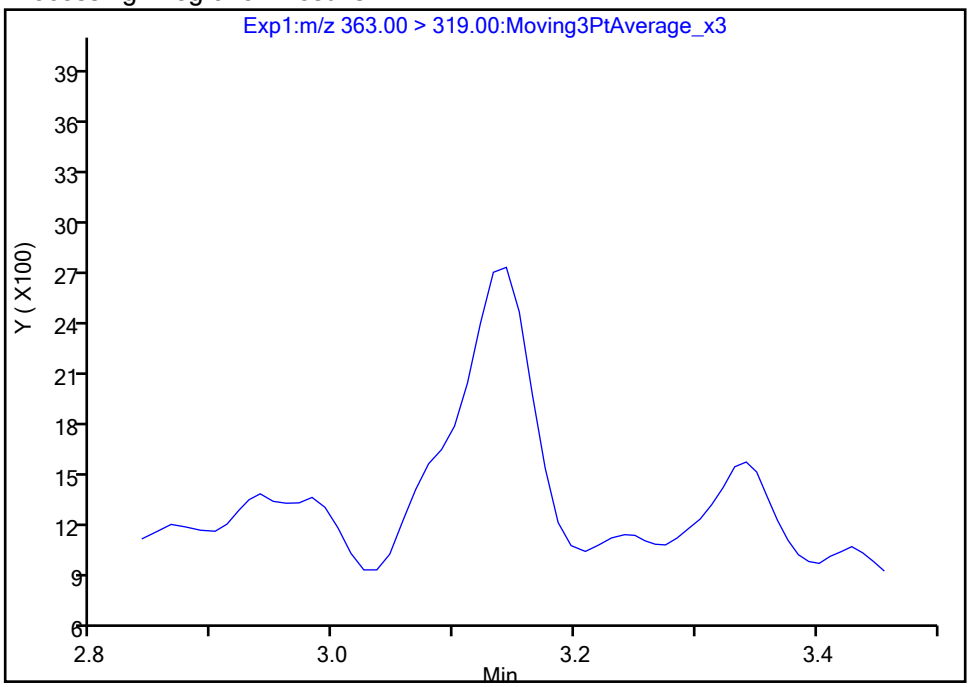
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Injection Date:	03-Mar-2021 21:35:38	Instrument ID:	LC812		
Lims ID:	480-181441-A-9-A	Lab Sample ID:	200-181441-9		
Client ID:	MW-2D-022321				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

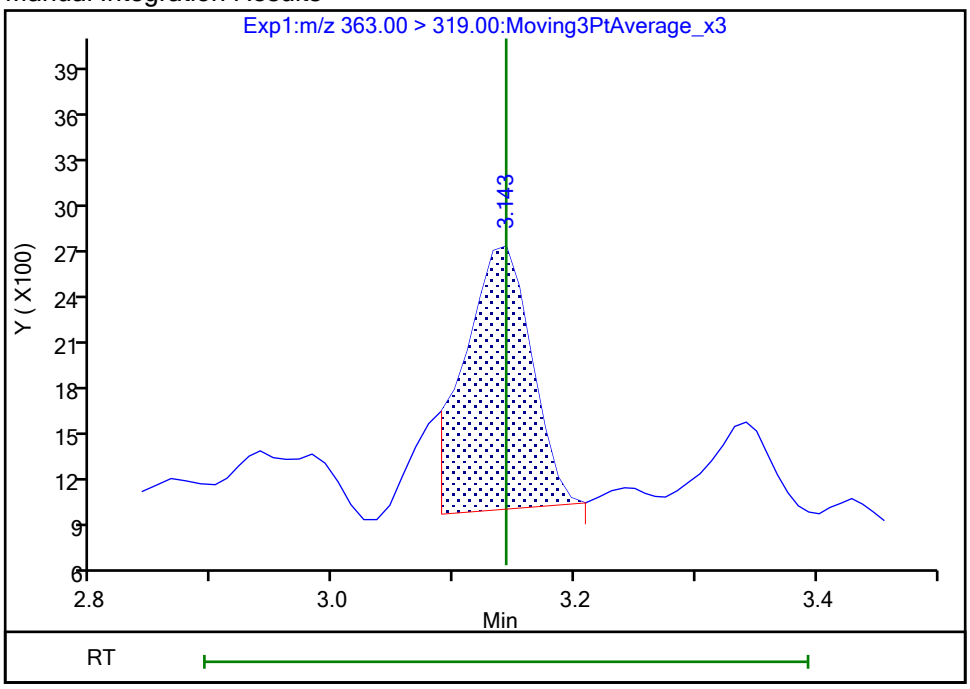
Not Detected
Expected RT: 3.14

Processing Integration Results



Manual Integration Results

RT: 3.14
Area: 6480
Amount: 0.005682
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:32:21
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

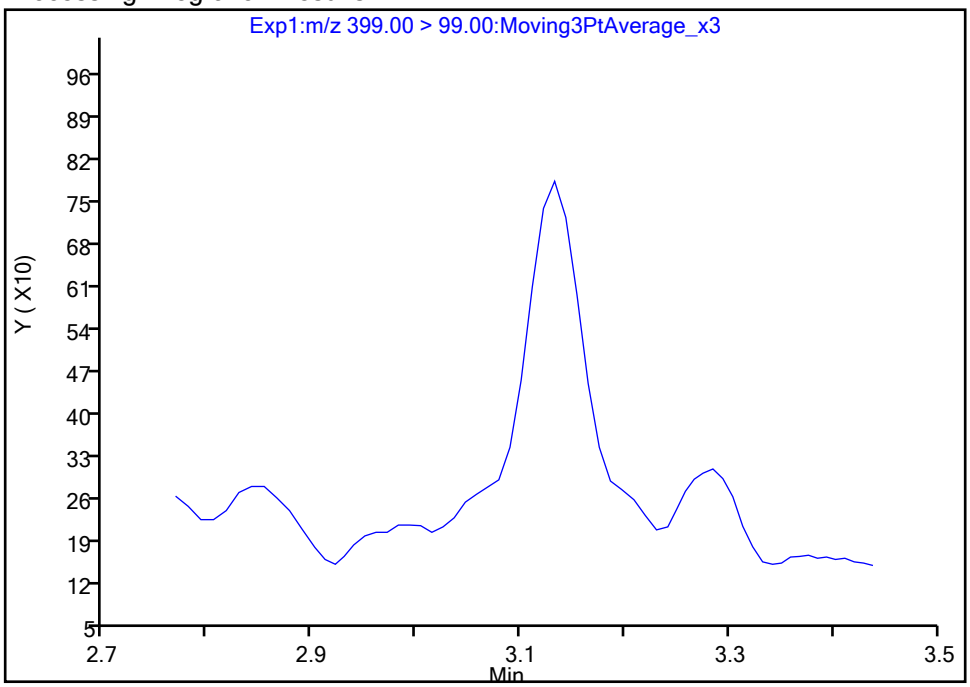
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B20.d				
Injection Date:	03-Mar-2021 21:35:38	Instrument ID:	LC812		
Lims ID:	480-181441-A-9-A	Lab Sample ID:	200-181441-9		
Client ID:	MW-2D-022321				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

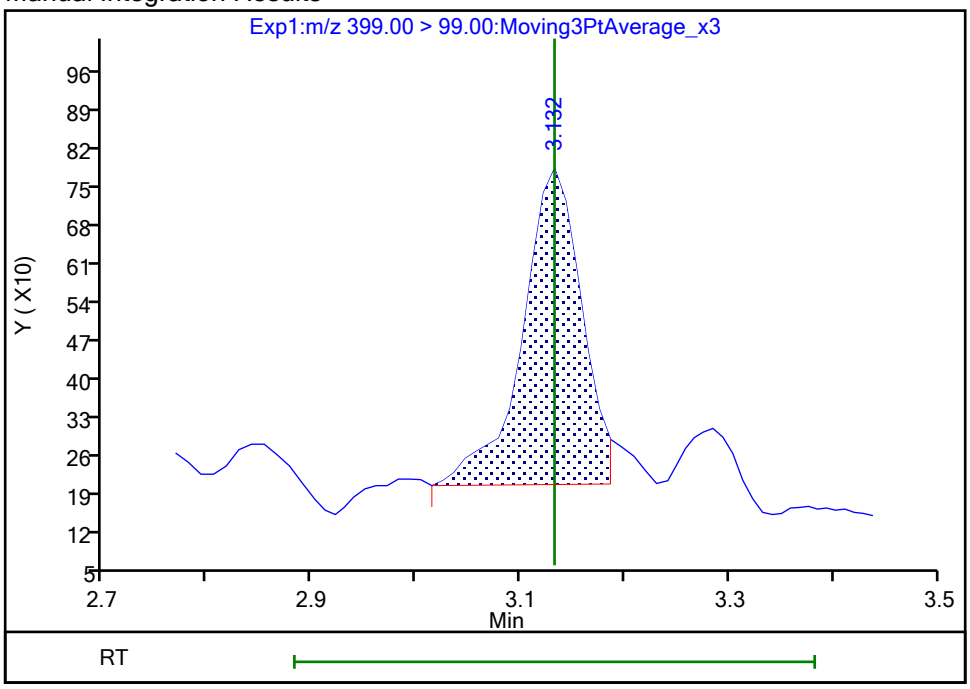
Not Detected
Expected RT: 3.13

Processing Integration Results



Manual Integration Results

RT: 3.13
Area: 2284
Amount: 0.008735
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:32:10
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

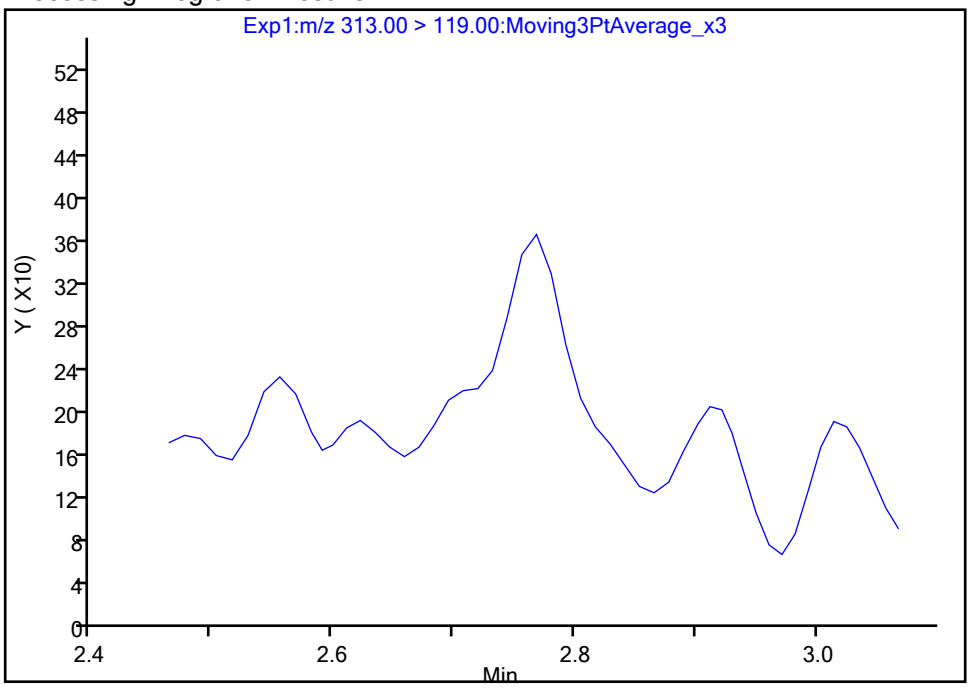
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Injection Date:	03-Mar-2021 21:35:38	Instrument ID:	LC812		
Lims ID:	480-181441-A-9-A	Lab Sample ID:	200-181441-9		
Client ID:	MW-2D-022321				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

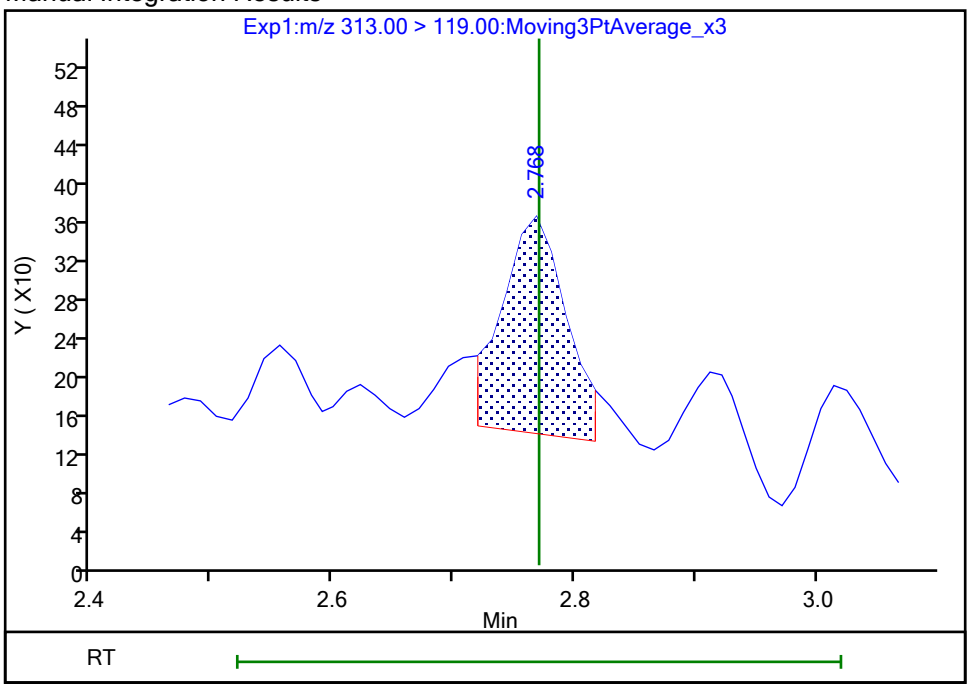
Not Detected
Expected RT: 2.77

Processing Integration Results



Manual Integration Results

RT: 2.77
Area: 820
Amount: 0.009789
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:32:02
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

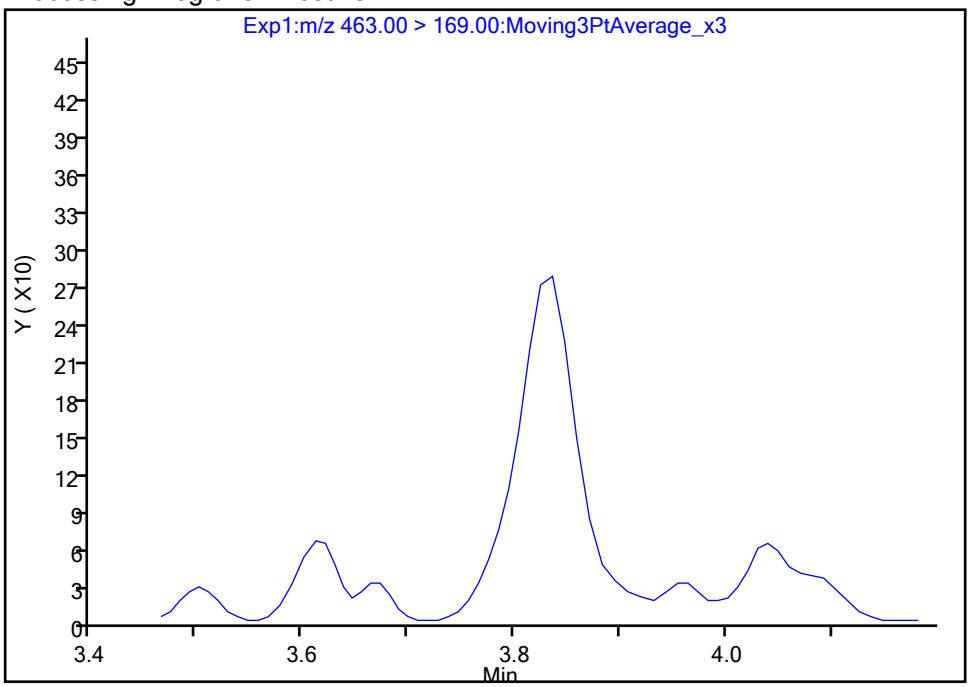
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Injection Date:	03-Mar-2021 21:35:38	Instrument ID:	LC812		
Lims ID:	480-181441-A-9-A	Lab Sample ID:	200-181441-9		
Client ID:	MW-2D-022321				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

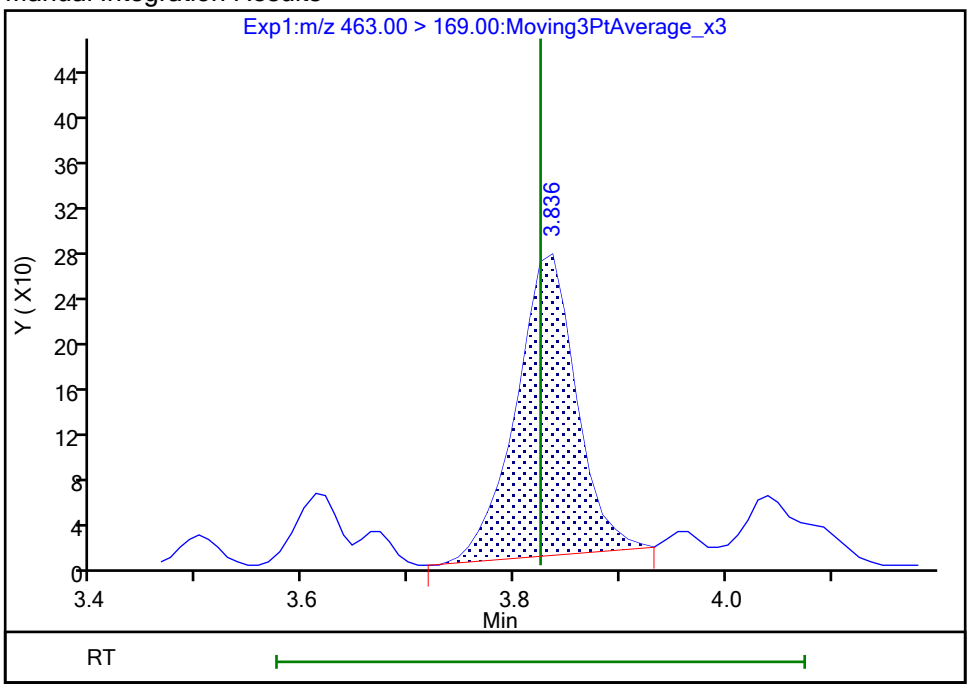
Not Detected
Expected RT: 3.82

Processing Integration Results



Manual Integration Results

RT: 3.84
Area: 1059
Amount: 0.005802
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:33:26
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

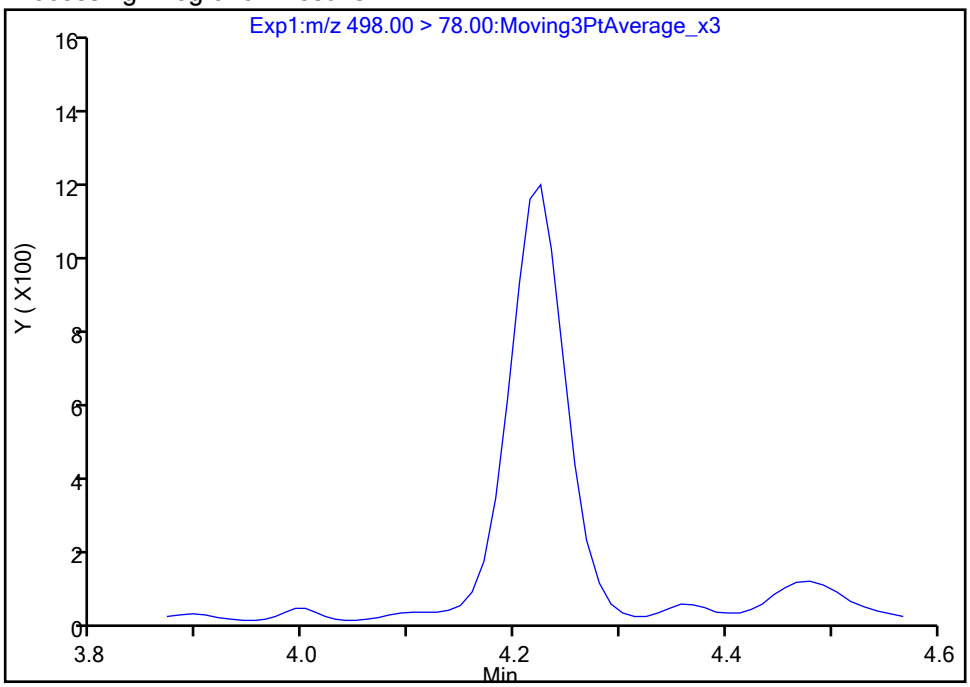
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B20.d				
Injection Date:	03-Mar-2021 21:35:38	Instrument ID:	LC812		
Lims ID:	480-181441-A-9-A	Lab Sample ID:	200-181441-9		
Client ID:	MW-2D-022321				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

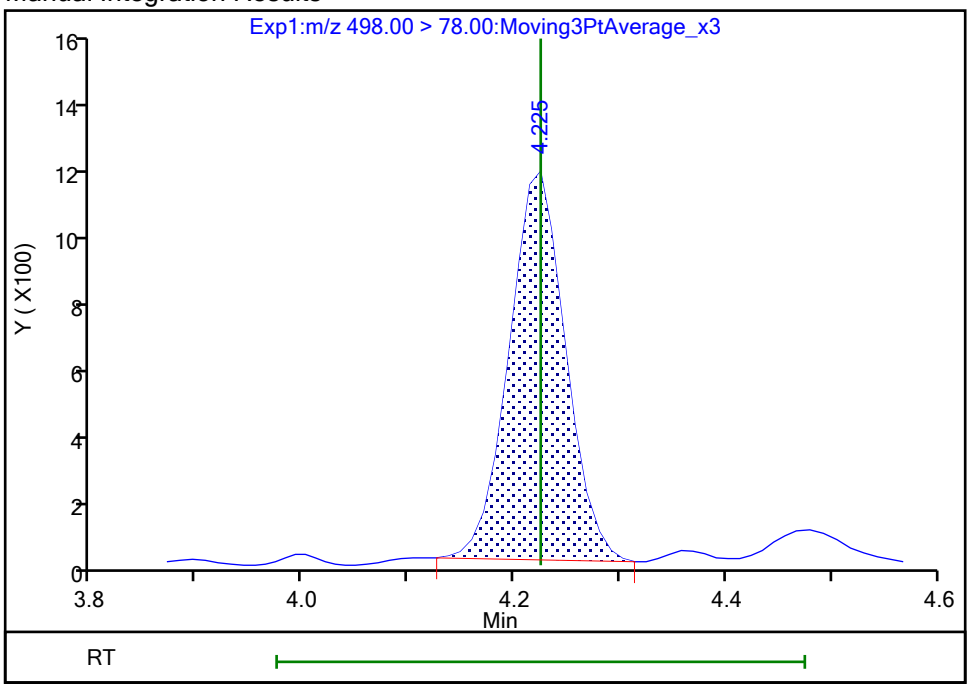
Not Detected
Expected RT: 4.22

Processing Integration Results



Manual Integration Results

RT: 4.22
Area: 4097
Amount: 0.003917
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:33:44
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

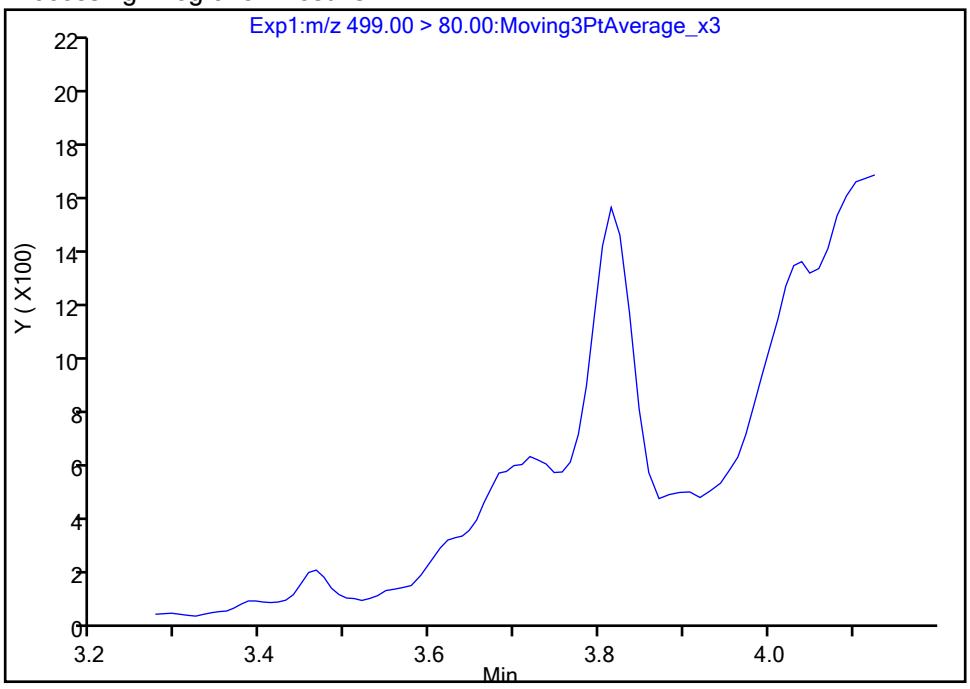
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B20.d				
Injection Date:	03-Mar-2021 21:35:38	Instrument ID:	LC812		
Lims ID:	480-181441-A-9-A	Lab Sample ID:	200-181441-9		
Client ID:	MW-2D-022321				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

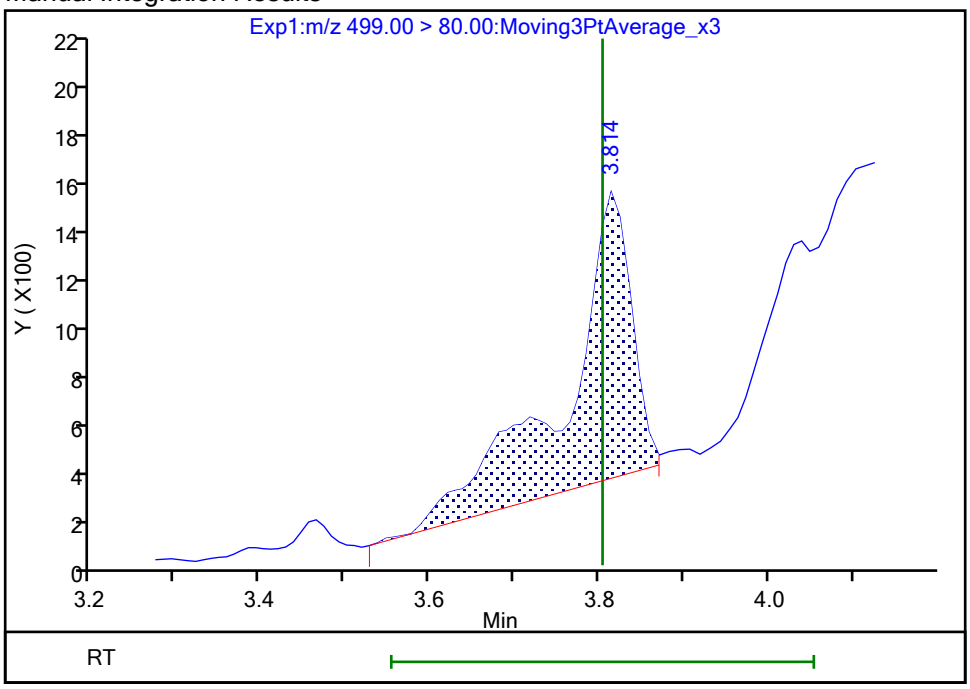
Not Detected
Expected RT: 3.80

Processing Integration Results



Manual Integration Results

RT: 3.81
Area: 6471
Amount: 0.008906
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:32:54
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

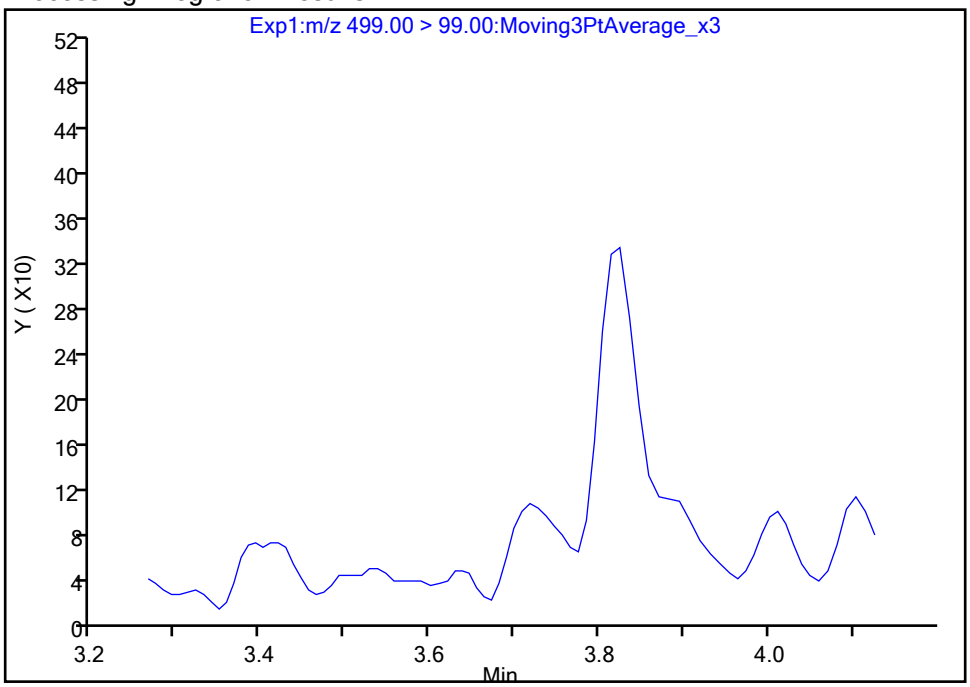
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B20.d				
Injection Date:	03-Mar-2021 21:35:38	Instrument ID:	LC812		
Lims ID:	480-181441-A-9-A	Lab Sample ID:	200-181441-9		
Client ID:	MW-2D-022321				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

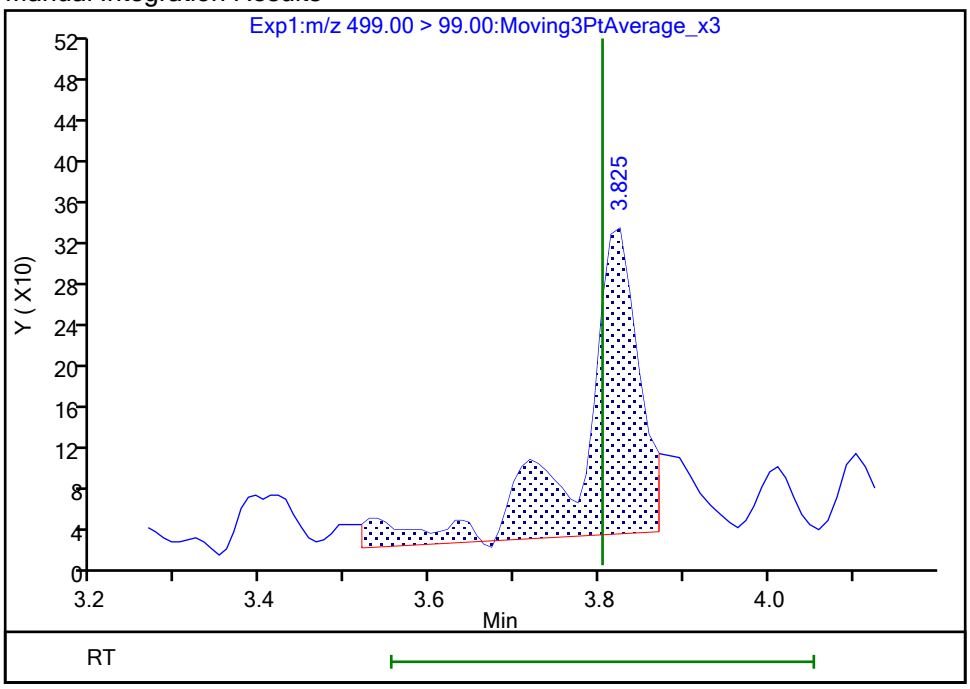
Not Detected
Expected RT: 3.80

Processing Integration Results



RT: 3.82
Area: 1450
Amount: 0.008906
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 04-Mar-2021 15:33:18
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

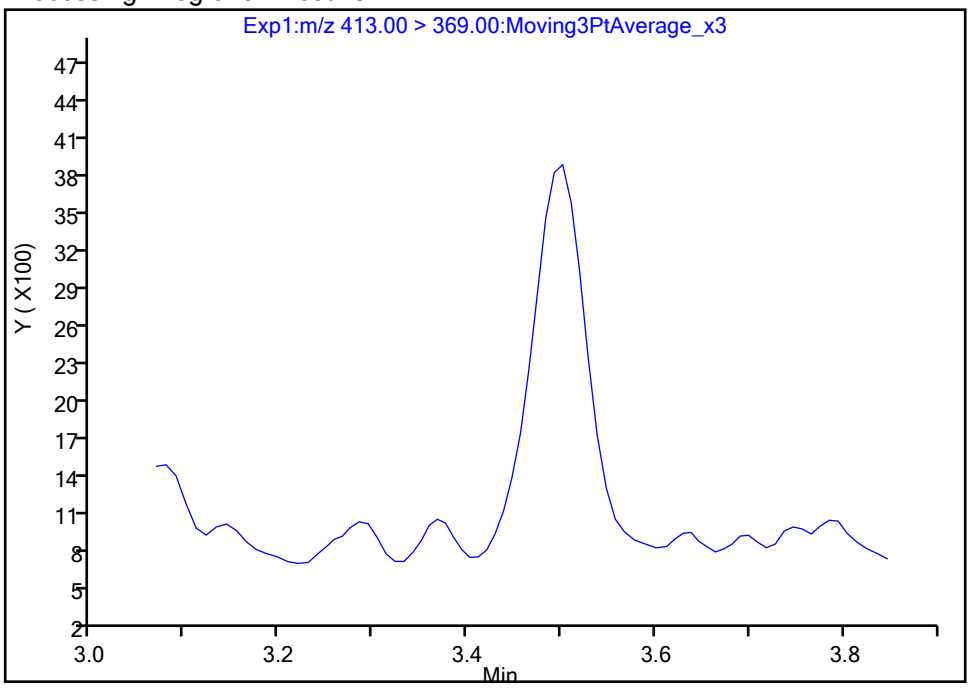
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B20.d				
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Lims ID:	480-181441-A-9-A	Lab Sample ID:	200-181441-9		
Client ID:	MW-2D-022321				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

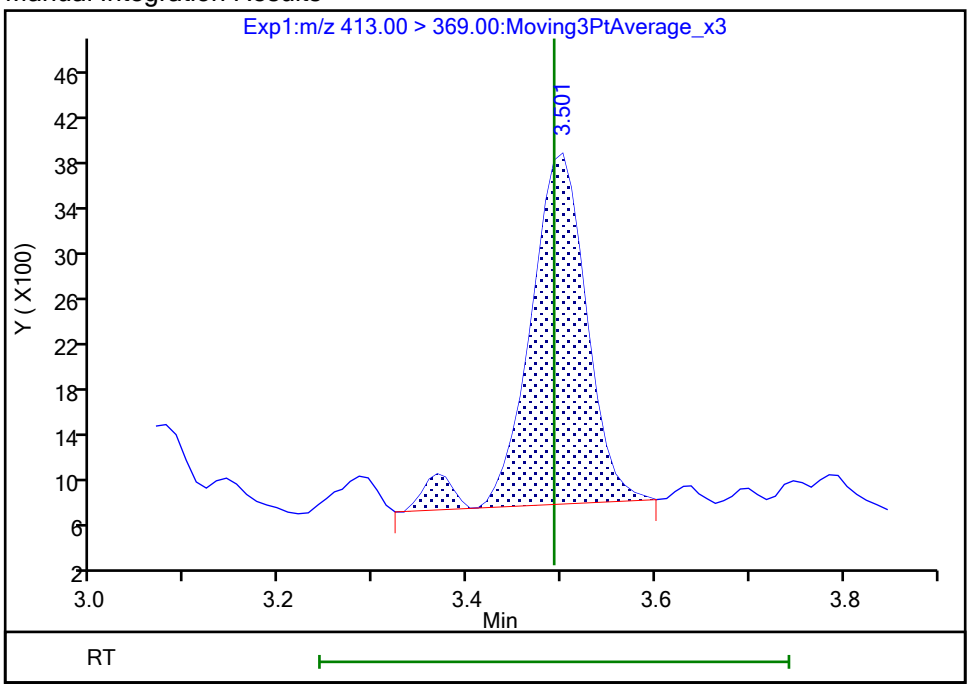
Not Detected
Expected RT: 3.49

Processing Integration Results



Manual Integration Results

RT: 3.50
Area: 12983
Amount: 0.011917
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:32:35
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

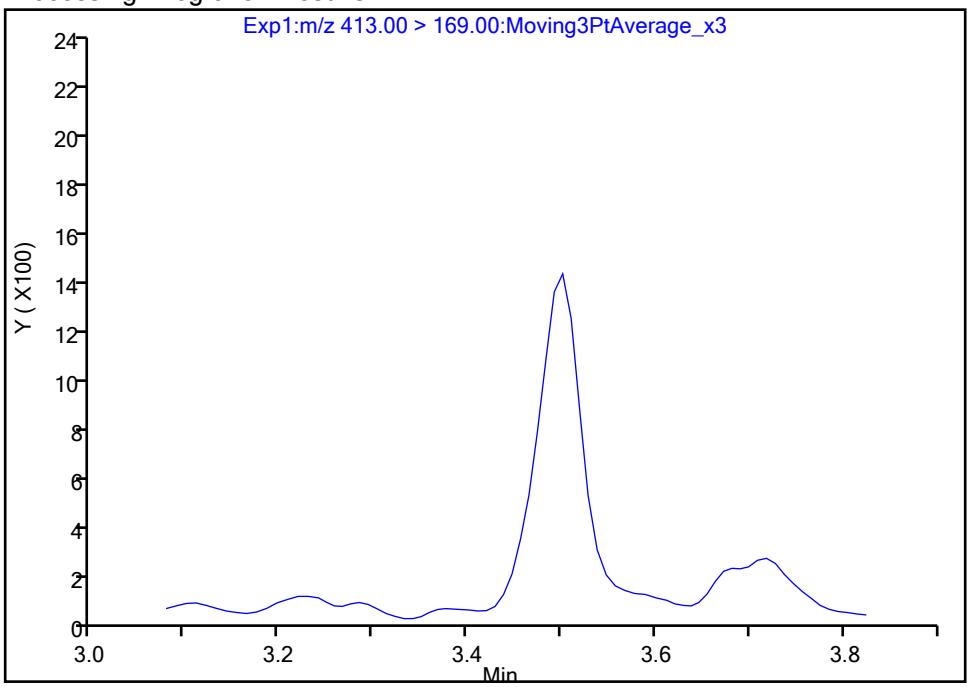
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B20.d				
Injection Date:	03-Mar-2021 21:35:38	Instrument ID:	LC812		
Lims ID:	480-181441-A-9-A	Lab Sample ID:	200-181441-9		
Client ID:	MW-2D-022321				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

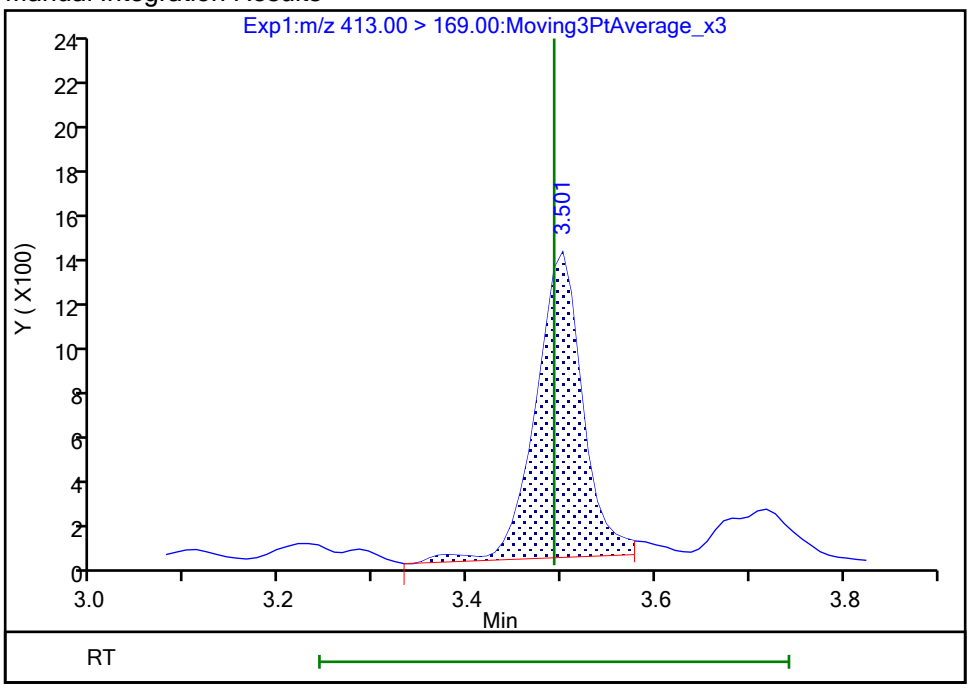
Not Detected
Expected RT: 3.49

Processing Integration Results



Manual Integration Results

RT: 3.50
Area: 4806
Amount: 0.011917
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:32:41
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

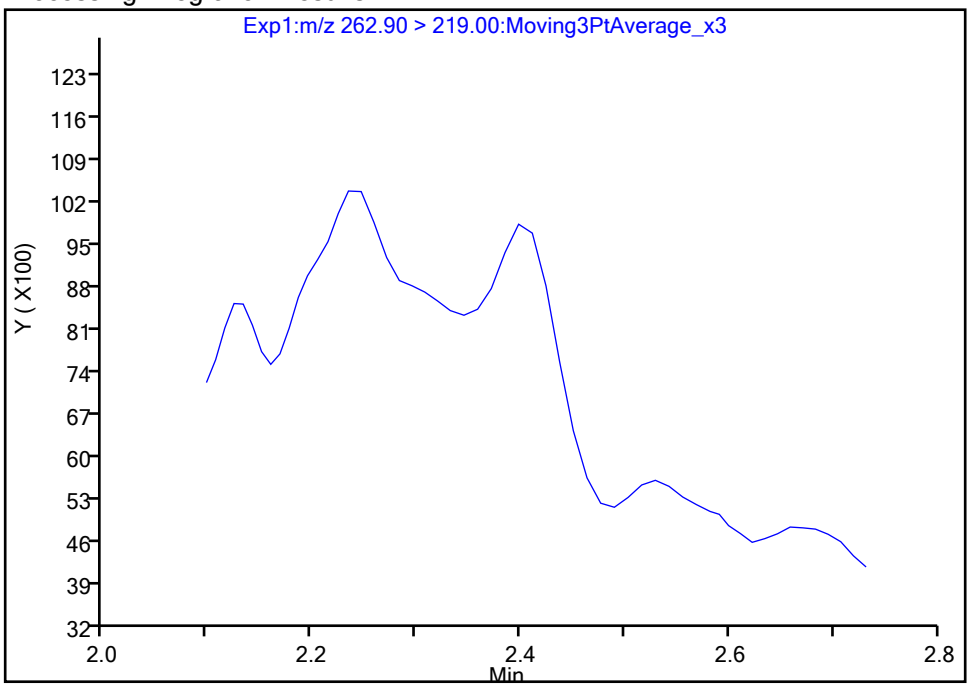
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B20.d				
Injection Date:	03-Mar-2021 21:35:38	Instrument ID:	LC812		
Lims ID:	480-181441-A-9-A	Lab Sample ID:	200-181441-9		
Client ID:	MW-2D-022321				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

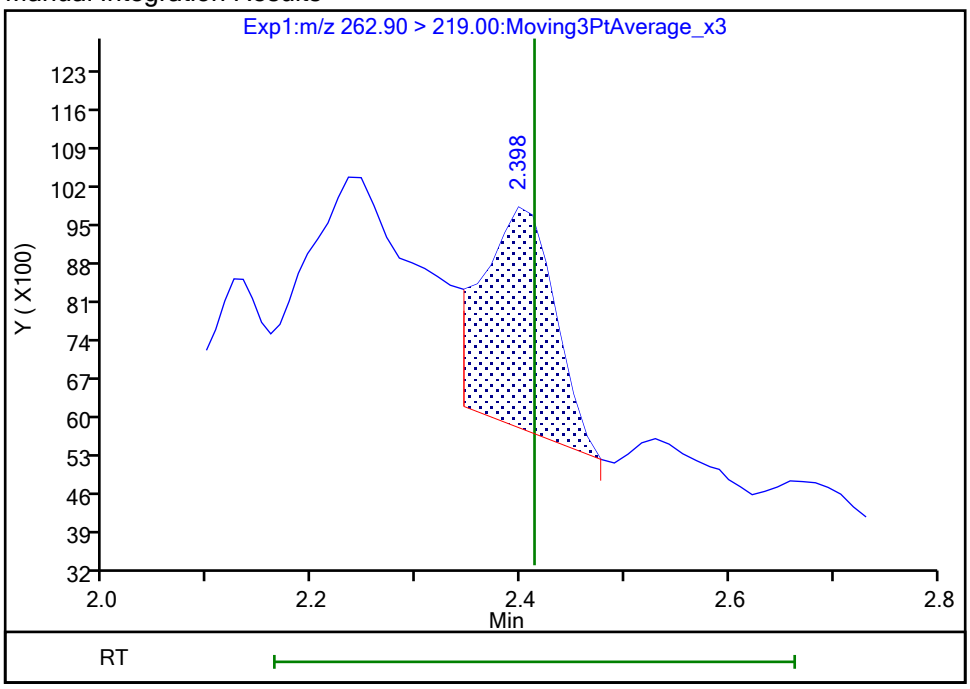
Not Detected
Expected RT: 2.41

Processing Integration Results



Manual Integration Results

RT: 2.40
Area: 19086
Amount: 0.018114
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:31:44
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

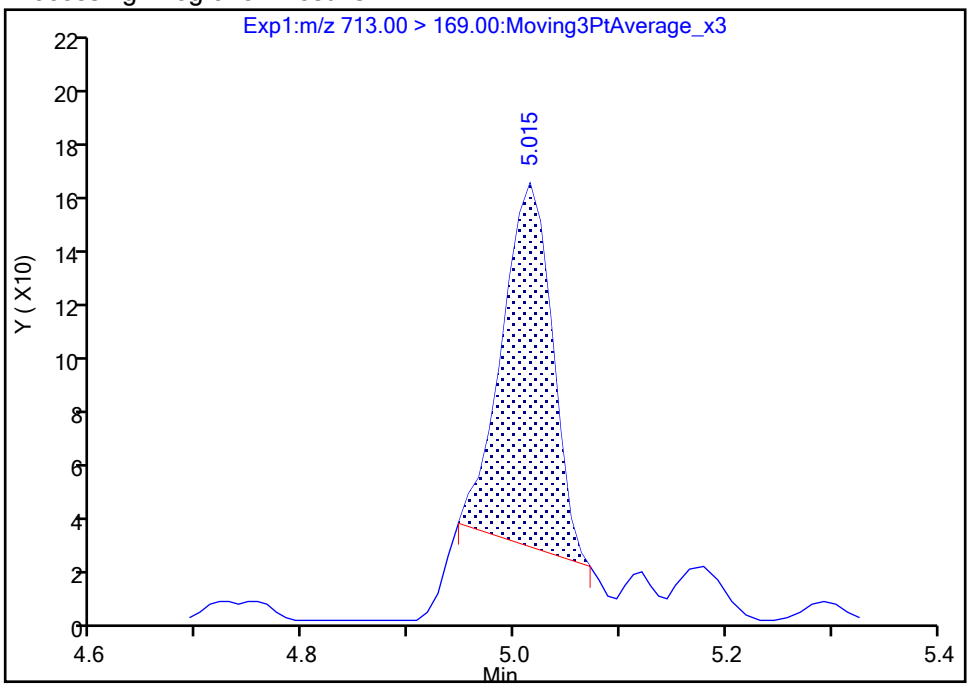
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B20.d				
Injection Date:	03-Mar-2021 21:35:38	Instrument ID:	LC812		
Lims ID:	480-181441-A-9-A	Lab Sample ID:	200-181441-9		
Client ID:	MW-2D-022321				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

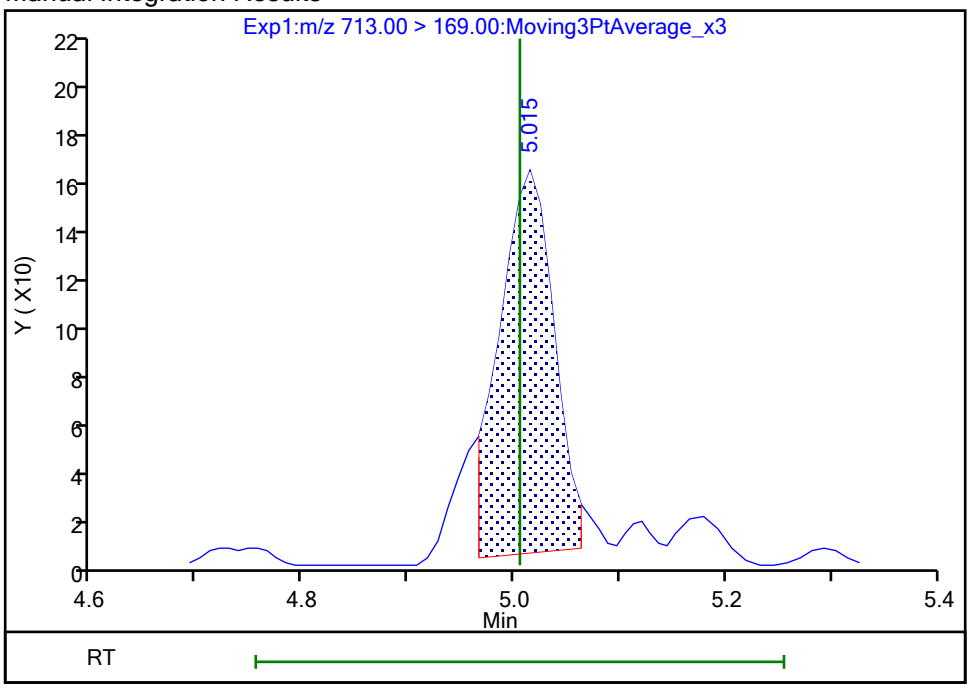
Processing Integration Results

RT: 5.01
Area: 443
Amount: 0.006790
Amount Units: ng/ml



Manual Integration Results

RT: 5.01
Area: 558
Amount: 0.008552
Amount Units: ng/ml



Reviewer: deannd, 04-Mar-2021 10:14:20

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

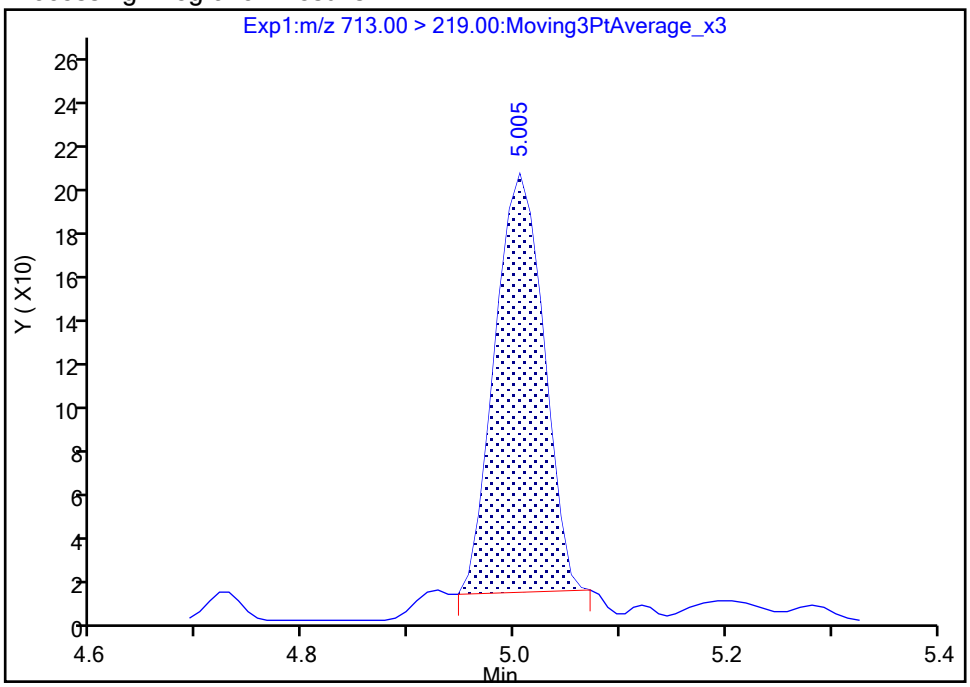
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B20.d				
Injection Date:	03-Mar-2021 21:35:38	Instrument ID:	LC812		
Lims ID:	480-181441-A-9-A	Lab Sample ID:	200-181441-9		
Client ID:	MW-2D-022321				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

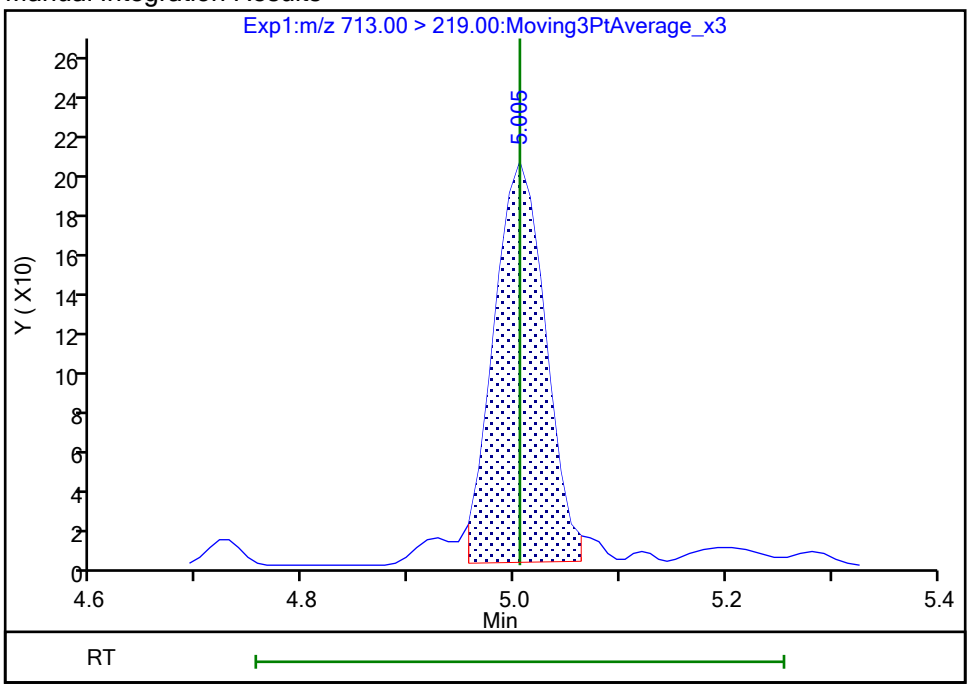
Processing Integration Results

RT: 5.00
Area: 620
Amount: 0.006790
Amount Units: ng/ml



Manual Integration Results

RT: 5.00
Area: 690
Amount: 0.008552
Amount Units: ng/ml



Reviewer: deannd, 04-Mar-2021 10:14:26

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

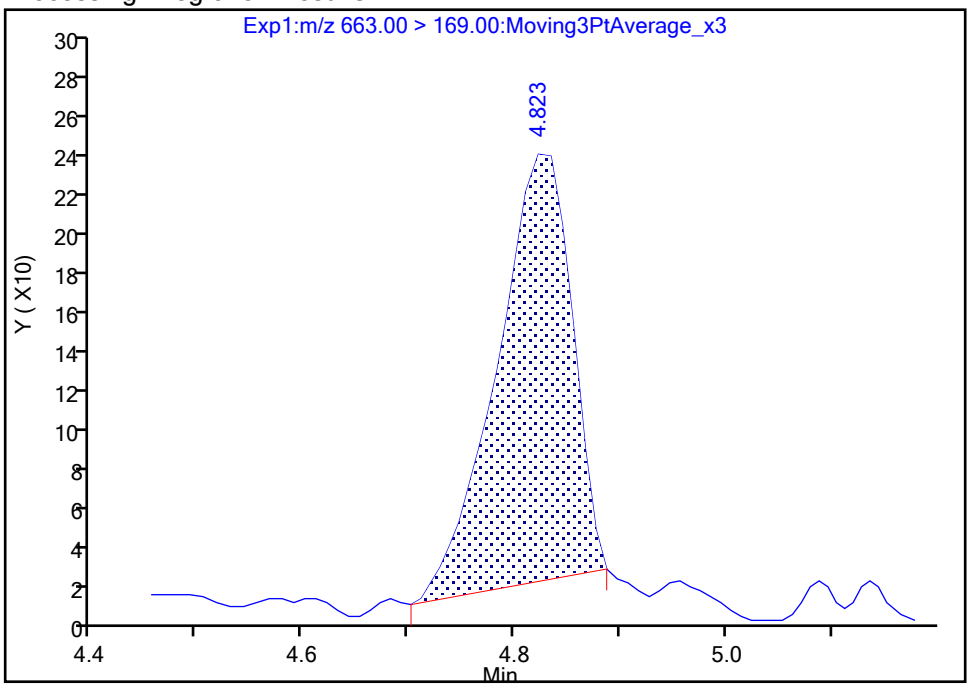
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Injection Date:	03-Mar-2021 21:35:38	Instrument ID:	LC812		
Lims ID:	480-181441-A-9-A	Lab Sample ID:	200-181441-9		
Client ID:	MW-2D-022321				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

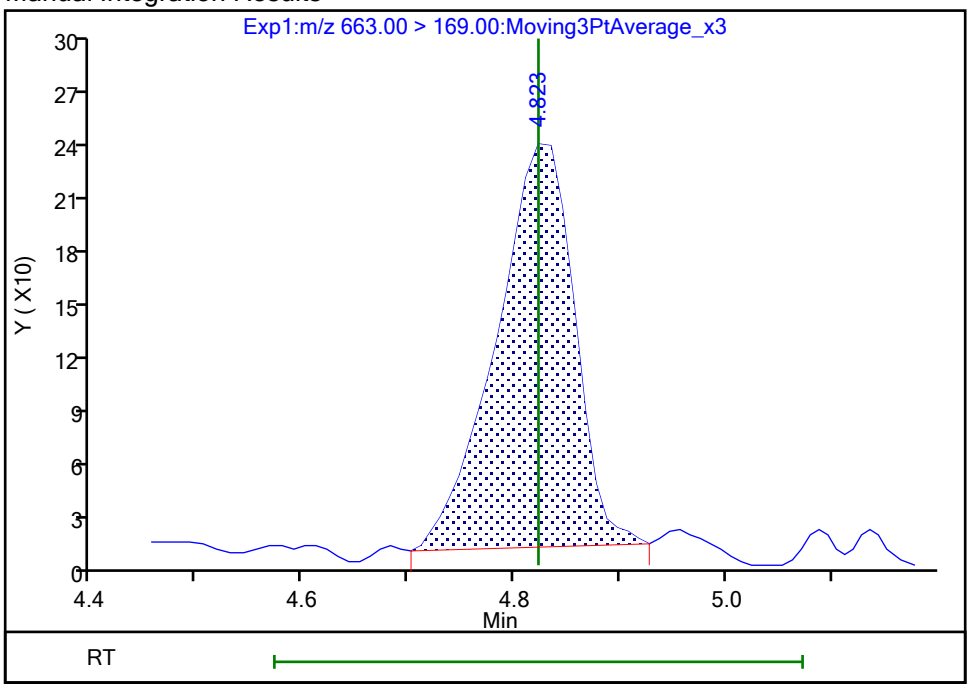
Processing Integration Results

RT: 4.82
Area: 1065
Amount: 0.008742
Amount Units: ng/ml



Manual Integration Results

RT: 4.82
Area: 1164
Amount: 0.008742
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:34:33
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

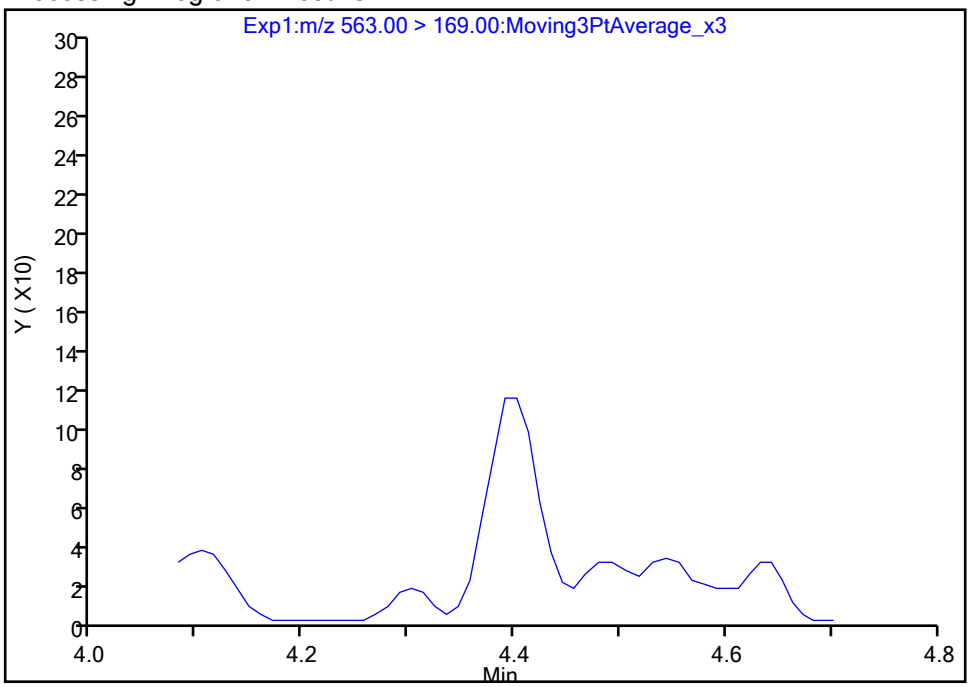
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B20.d				
Injection Date:	03-Mar-2021 21:35:38	Instrument ID:	LC812		
Lims ID:	480-181441-A-9-A	Lab Sample ID:	200-181441-9		
Client ID:	MW-2D-022321				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

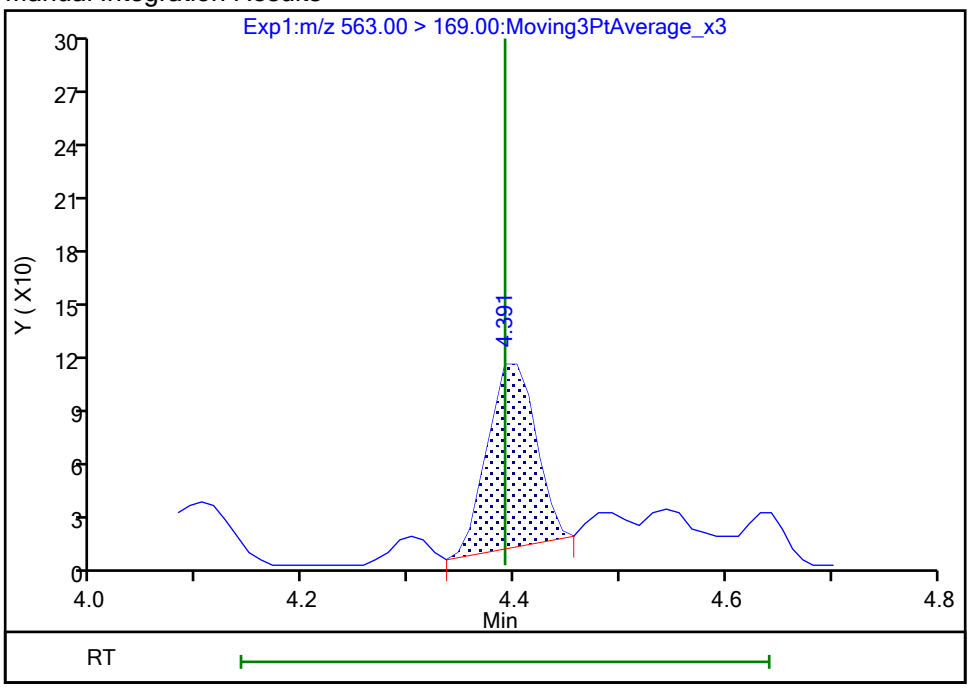
Not Detected
Expected RT: 4.39

Processing Integration Results



Manual Integration Results

RT: 4.39
Area: 324
Amount: 0.008691
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:34:07
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

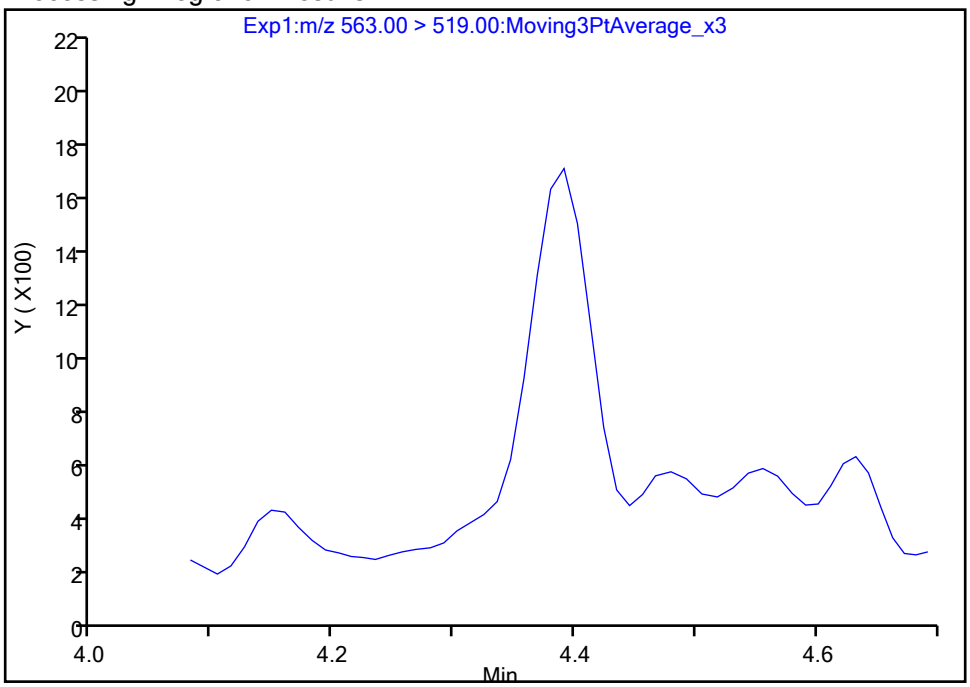
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B20.d				
Injection Date:	03-Mar-2021 21:35:38	Instrument ID:	LC812		
Lims ID:	480-181441-A-9-A	Lab Sample ID:	200-181441-9		
Client ID:	MW-2D-022321				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

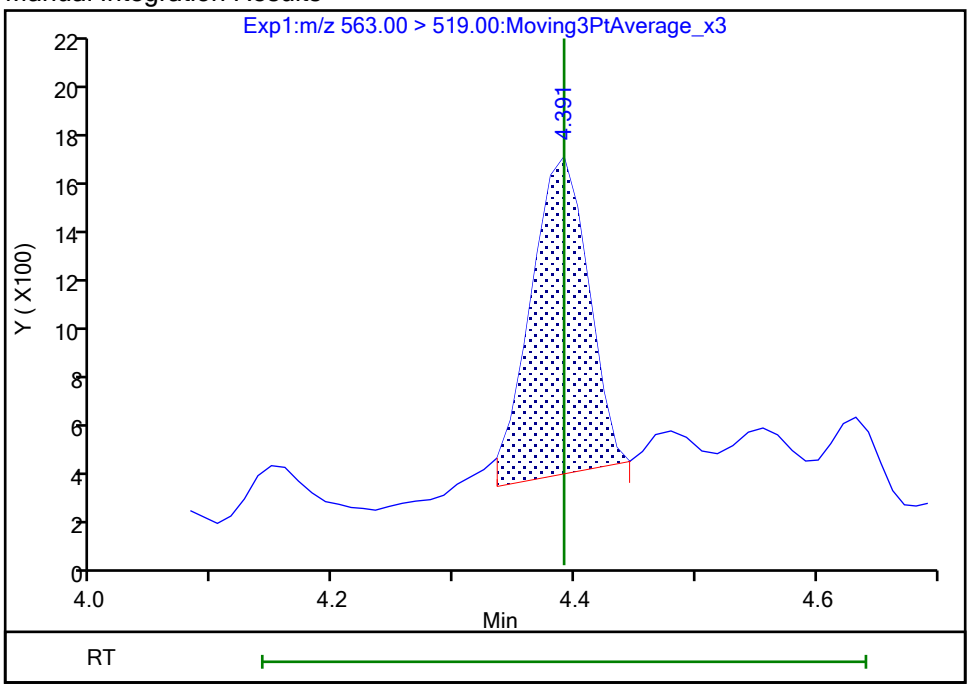
Not Detected
Expected RT: 4.39

Processing Integration Results



Manual Integration Results

RT: 4.39
Area: 4285
Amount: 0.008691
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:34:11
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Client Sample ID: MW-4S-022221 Lab Sample ID: 480-181441-10

Matrix: Water Lab File ID: PA210303B21.d

Analysis Method: 537 (modified) Date Collected: 02/22/2021 14:20

Extraction Method: 3535 Date Extracted: 03/03/2021 08:24

Sample wt/vol: 291.7(mL) Date Analyzed: 03/03/2021 21:43

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 164492 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
39108-34-4	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.7	0.57
27619-97-2	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	0.66	J	4.3	0.62
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.3	J	4.3	0.80
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.89	J	4.3	0.68
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		1.7	0.54
375-22-4	Perfluorobutanoic acid (PFBA)	9.7		4.3	0.97
335-77-3	Perfluorodecanesulfonic acid (PFDS)	3.4		1.7	0.41
335-76-2	Perfluorodecanoic acid (PFDA)	ND		1.7	0.39
307-55-1	Perfluorododecanoic acid (PFDoA)	4.5		1.7	0.39
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.7	0.33
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		1.7	0.39
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		1.7	0.57
307-24-4	Perfluorohexanoic acid (PFHxA)	1.5	J	1.7	0.71
375-95-1	Perfluorononanoic acid (PFNA)	ND		1.7	0.50
754-91-6	Perfluorooctanesulfonamide (PFOSA)	2.2		1.7	0.49
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		1.7	0.75
335-67-1	Perfluorooctanoic acid (PFOA)	ND		1.7	0.84
2706-90-3	Perfluoropentanoic acid (PFPeA)	3.0		1.7	0.93
376-06-7	Perfluorotetradecanoic acid (PFTeA)	3.4		1.7	0.51
72629-94-8	Perfluorotridecanoic acid (PFTriA)	3.8		1.7	0.37
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1.8		1.7	0.63

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Client Sample ID: MW-4S-022221 Lab Sample ID: 480-181441-10

Matrix: Water Lab File ID: PA210303B21.d

Analysis Method: 537 (modified) Date Collected: 02/22/2021 14:20

Extraction Method: 3535 Date Extracted: 03/03/2021 08:24

Sample wt/vol: 291.7(mL) Date Analyzed: 03/03/2021 21:43

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 164492 Units: ng/L

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00996	13C2 PFDA	93		50-150
STL00998	13C2 PFDoA	80		50-150
STL00993	13C2 PFHxA	106		50-150
STL02116	13C2 PFTeDA	82		50-150
STL00997	13C2 PFUnA	85		50-150
STL02337	13C3 PFBS	100		50-150
STL00992	13C4 PFBA	82		25-150
STL01892	13C4 PFHpA	106		50-150
STL00990	13C4 PFOA	104		50-150
STL00991	13C4 PFOS	101		50-150
STL00995	13C5 PFNA	103		50-150
STL01893	13C5 PFPeA	105		25-150
STL01056	13C8 FOSA	95		25-150
STL00994	18O2 PFHxS	106		50-150
STL02118	d3-NMeFOSAA	81		50-150
STL02117	d5-NEtFOSAA	83		50-150
STL02279	M2-6:2 FTS	105		25-150
STL02280	M2-8:2 FTS	99		25-150

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B21.d
Lims ID: 480-181441-A-10-A
Client ID: MW-4S-022221
Sample Type: Client
Inject. Date: 03-Mar-2021 21:43:55 ALS Bottle#: 21 Worklist Smp#: 21
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: 480-181441-A-10-A
Misc. Info.: 200-0045034-021 Plate: 1 Rack: 2
Operator ID: lc812tech Instrument ID: LC812

Method: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 04-Mar-2021 11:31:15 Calib Date: 22-Dec-2020 13:29:37
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1647

First Level Reviewer: khanphomeea Date: 04-Mar-2021 15:37:48
Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.082	2.091	-0.009	0.596	1351773	1.03		82.4	10633	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.082	2.091	-0.009	1.000	305968	0.2824			63.4	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.400	2.413	-0.013	0.687	1244111	1.31		105	1727	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.413	2.413	0.0	1.005	98016	0.0889			2.7	M
D 47 13C3 PFBS										M
301.90 > 80.00	2.426	2.439	-0.013	0.695	1451322	1.16		100	81814	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.426	2.439	-0.013	1.000	19366	0.0137	Target=2.21		2.6	
298.90 > 99.00	2.426	2.439	-0.013	1.000	8998		2.15(1.11-3.32)		2.8	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.770	2.770	0.0	0.793	1313487	1.32		106	4287	
6 Perfluorohexanoic acid										
313.00 > 269.00	2.770	2.770	0.0	1.000	50659	0.0441	Target=12.83		5.1	
313.00 > 119.00	2.770	2.770	0.0	1.000	4459		11.36(6.42-19.25)		7.7	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.132	3.132	0.0	1.000	5499	0.004751	Target=4.15		3.2	M
399.00 > 99.00	3.154	3.132	0.022	1.007	1112		4.95(2.08-6.23)		1.0	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.132	3.132	0.0	0.897	1161377	1.25		106	4984	
D 9 13C4 PFHpA										
367.00 > 322.00	3.132	3.143	-0.011	0.897	1264519	1.33		106	3829	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.132	3.143	-0.011	1.000	6998	0.006334	Target=3.66		1.1	M
363.00 > 169.00	3.132	3.143	-0.011	1.000	1712		4.09(1.83-5.49)		4.4	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 12 M2-6:2 FTS										
429.00 > 81.00	3.483	3.483	0.0	0.997	145050	1.25		105	195	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.483	3.483	0.0	1.000	2623	0.0193			36.0	M
D 14 13C4 PFOA										
417.00 > 372.00	3.492	3.492	0.0	1.000	1261338	1.30		104	4155	
* 62 13C2 PFOA										
415.00 > 370.00	3.492	3.492	0.0		1221103	1.25			4500	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.501	3.492	0.009	1.003	9224	0.008433	Target=2.58		1.9	M
413.00 > 169.00	3.501	3.492	0.009	1.003	3960		2.33(1.29-3.87)		8.3	M
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.718	3.804	-0.086	0.977	3814	0.005142	Target=5.65		0.8	M
499.00 > 99.00	3.814	3.804	0.010	1.003	963		3.96(2.82-8.47)		2.5	M
D 18 13C4 PFOS										
503.00 > 80.00	3.804	3.804	0.0	1.089	770639	1.21		101	1253	
D 19 13C5 PFNA										
468.00 > 423.00	3.825	3.825	-0.001	1.095	1095254	1.28		103	4077	
D 23 13C2 PFDA										
515.00 > 470.00	4.126	4.126	0.0	1.182	948075	1.16		93.0	3542	
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.126	4.126	0.0	1.000	3251	0.004159	Target=9.29		3.1	M
513.00 > 169.00	4.126	4.126	0.0	1.000	546		5.95(4.64-13.93)		6.7	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.137	4.137	0.0	1.185	142162	1.19		99.2	514	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.137	4.137	0.0	1.000	170	0.002106			3.3	M
D 21 13C8 FOSA										
506.00 > 78.00	4.215	4.225	-0.010	1.207	1420507	1.19		94.8	3182	
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.215	4.225	-0.010	1.000	73266	0.0643			372	M
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.268	4.268	0.0	1.222	59832	1.01		80.9	1108	
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.268	4.268	0.0	1.000	1102	0.0260			11.5	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.358	4.358	0.0	1.146	44333	0.1005	Target=2.80		245	
599.00 > 99.00	4.358	4.358	0.0	1.146	16088		2.76(1.40-4.19)		119	
D 30 13C2 PFUnA										
565.00 > 520.00	4.391	4.391	0.0	1.257	712323	1.06		85.1	3589	
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.391	4.391	0.0	1.000	31022	0.0534	Target=8.12		24.8	M
563.00 > 169.00	4.391	4.391	0.0	1.000	3931		7.89(4.06-12.18)		63.1	
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.402	4.402	0.0	1.261	59571	1.04		83.4	655	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.413	4.402	0.011	1.003	2898	0.0657			77.3	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 36 13C2 PFDoA										
615.00 > 570.00	4.612	4.612	0.0	1.321	706476	1.00		79.9	2760	
37 Perfluorododecanoic acid										
613.00 > 569.00	4.612	4.612	0.0	1.000	81019	0.1303	Target=6.91		28.7	
613.00 > 169.00	4.612	4.612	0.0	1.000	12707		6.38(3.45-10.36)		194	
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.823	4.823	0.0	1.046	56588	0.1122	Target=4.39		27.9	
663.00 > 169.00	4.823	4.823	0.0	1.046	13324		4.25(2.20-6.59)		378	
D 43 13C2 PFTeDA										
715.00 > 670.00	5.015	5.005	0.010	1.436	532885	1.02		81.5	2730	
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.015	5.005	0.010	1.000	7889	0.0998	Target=1.06		297	
713.00 > 219.00	5.005	5.005	0.0	0.998	8392		0.94(0.53-1.59)		344	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Report Date: 04-Mar-2021 11:31:30 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B21.d

Injection Date: 03-Mar-2021 21:43:55 Instrument ID: LC812

Lims ID: 480-181441-A-10-A Lab Sample ID: 200-181441-10

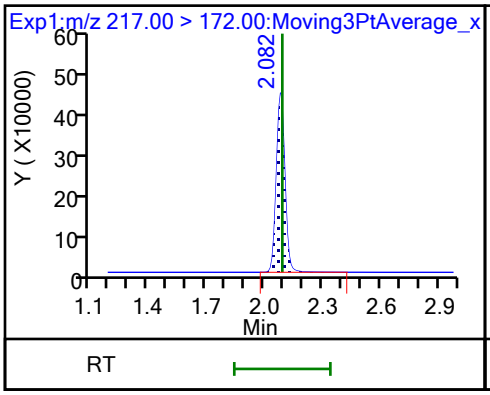
Client ID: MW-4S-022221

Operator ID: lc812tech ALS Bottle#: 21 Worklist Smp#: 21

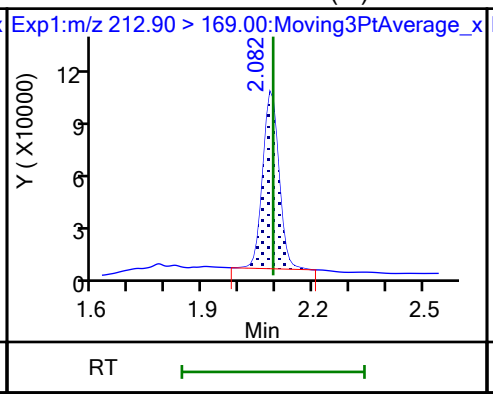
Injection Vol: 20.0 ul Dil. Factor: 1.0000

Method: PFC_LC812 Limit Group: LC_PFC_ICAL

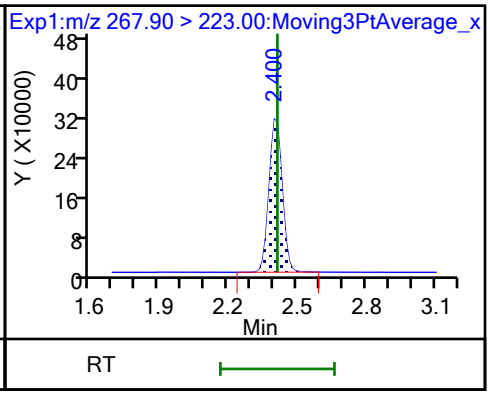
D 1 13C4 PFBA



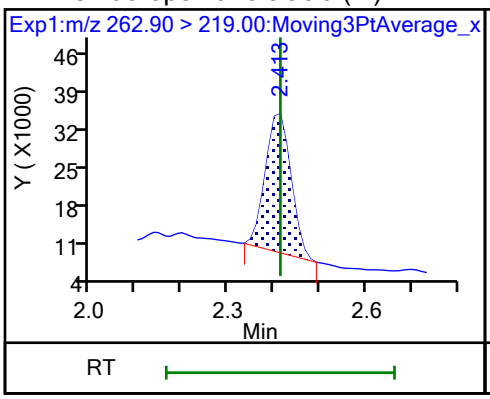
2 Perfluorobutanoic acid (M)



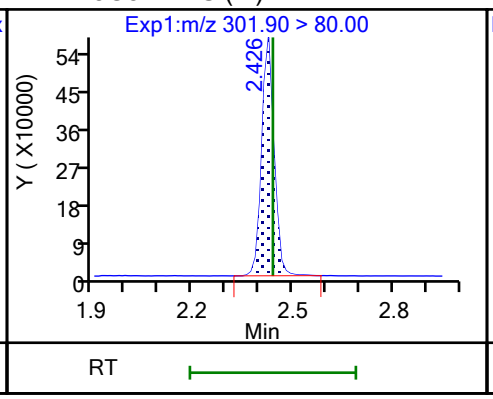
D 3 13C5 PFPeA



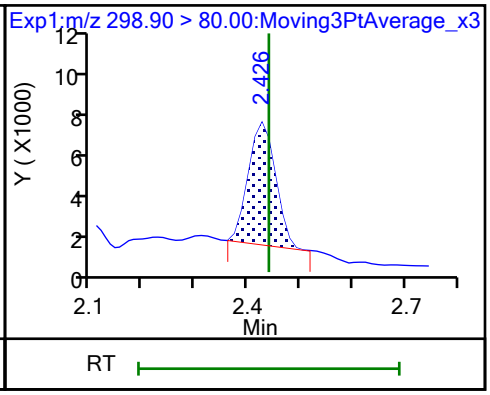
4 Perfluoropentanoic acid (M)



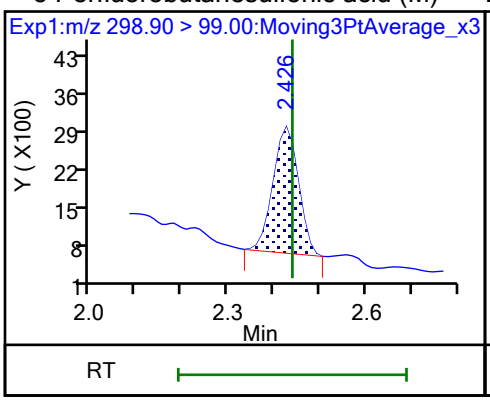
D 47 13C3 PFBS (M)



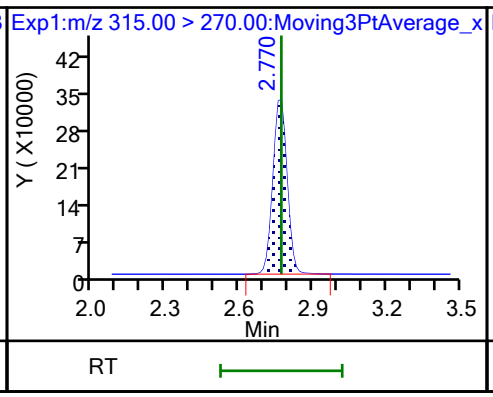
5 Perfluorobutanesulfonic acid



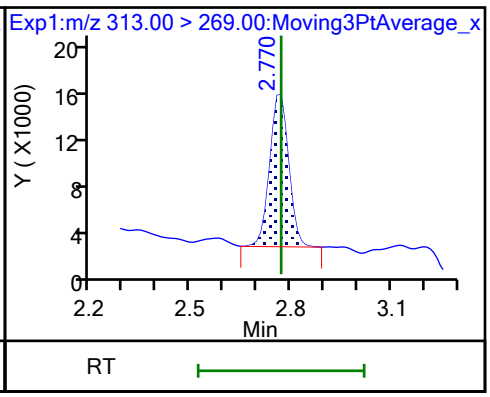
5 Perfluorobutanesulfonic acid (M)



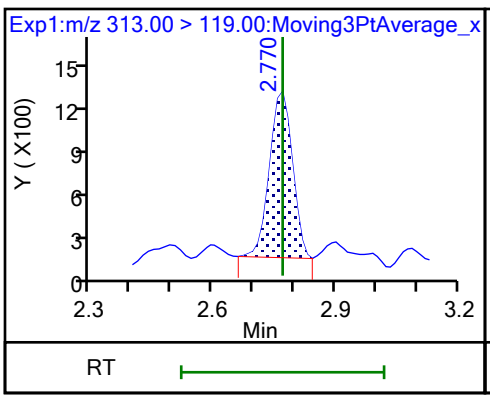
D 7 13C2 PFHxA



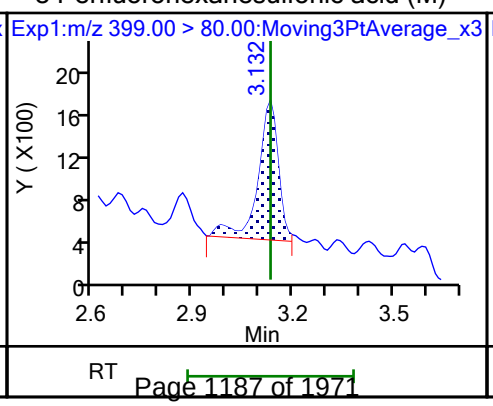
6 Perfluorohexanoic acid



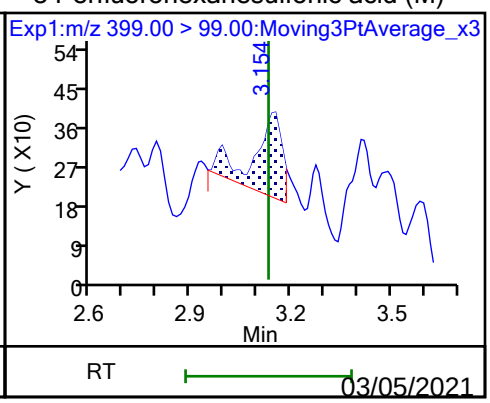
6 Perfluorohexanoic acid



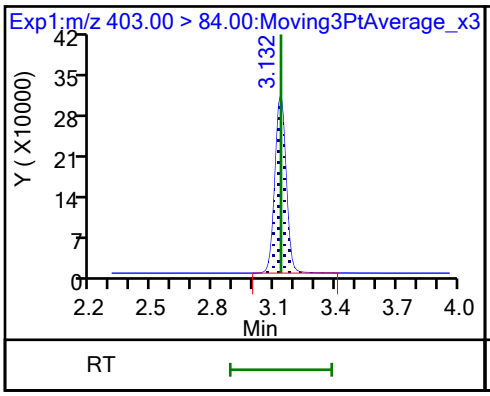
8 Perfluorohexanesulfonic acid (M)



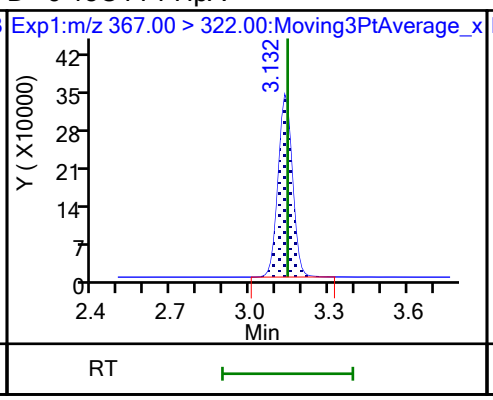
8 Perfluorohexanesulfonic acid (M)



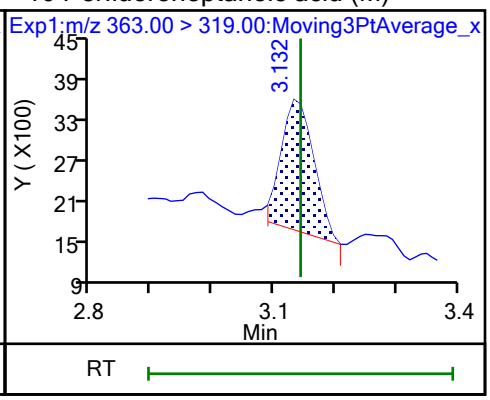
D 11 18O2 PFHxS



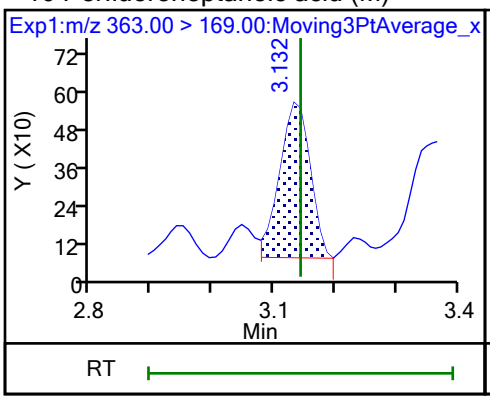
D 9 13C4 PFHpA



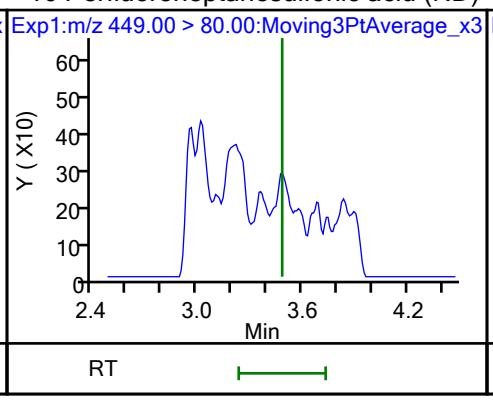
10 Perfluoroheptanoic acid (M)



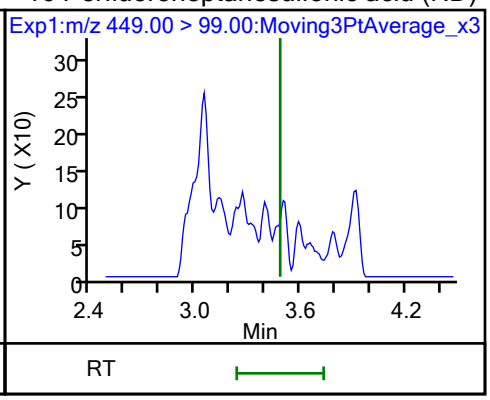
10 Perfluoroheptanoic acid (M)



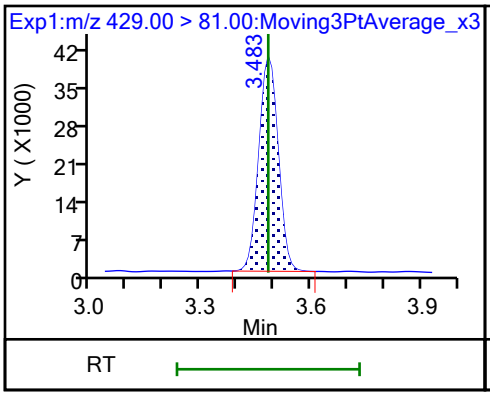
16 Perfluoroheptanesulfonic acid (ND)



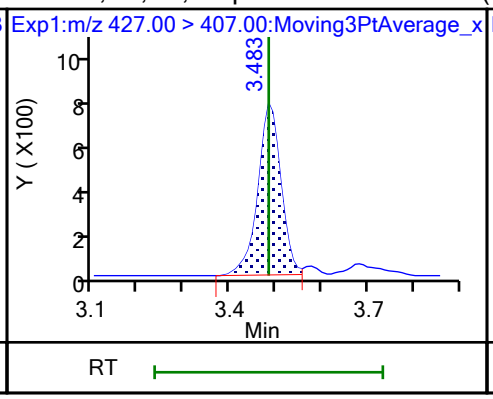
16 Perfluoroheptanesulfonic acid (ND)



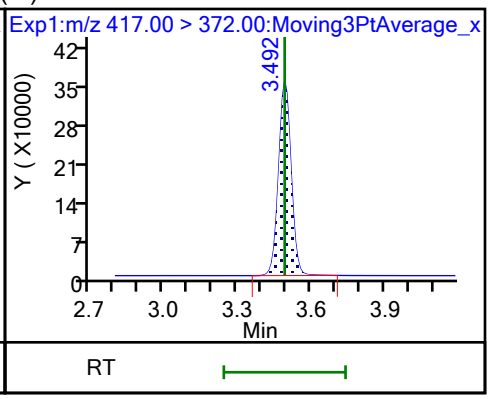
D 12 M2-6:2 FTS



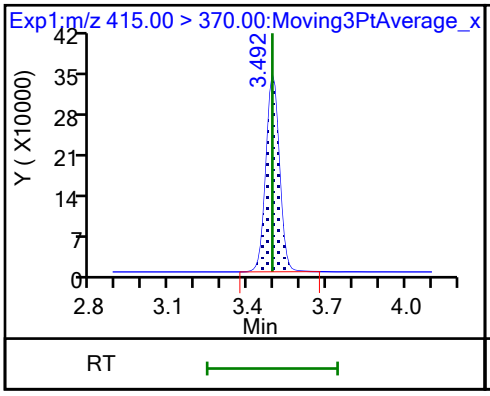
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



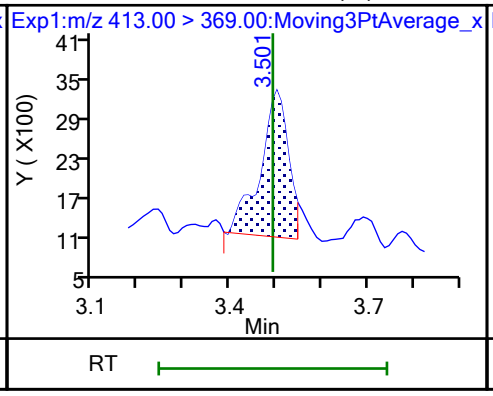
D 14 13C4 PFOA



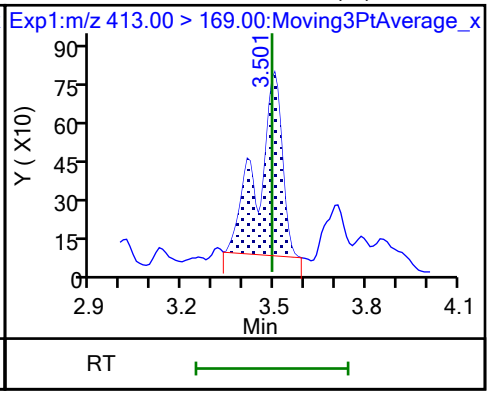
* 62 13C2 PFOA



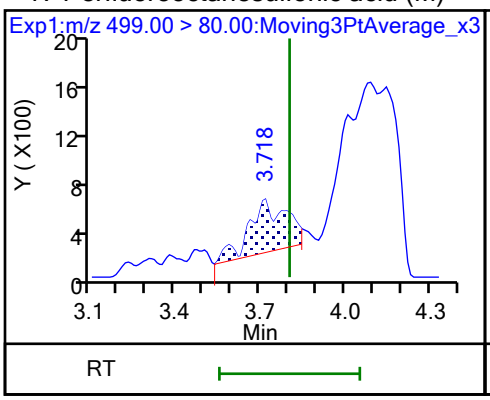
15 Perfluorooctanoic acid (M)



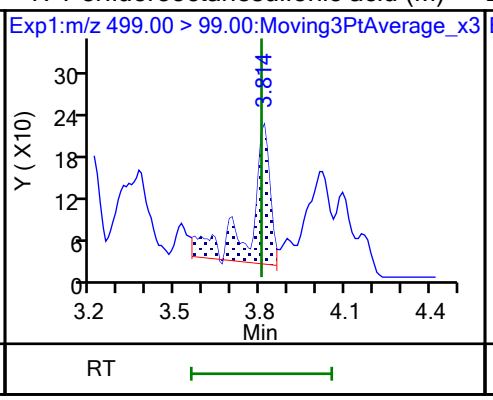
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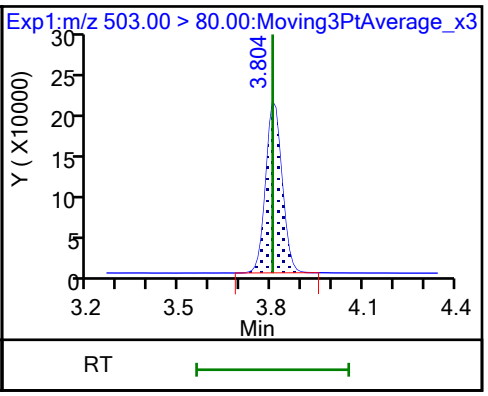
17 Perfluorooctanesulfonic acid (M)



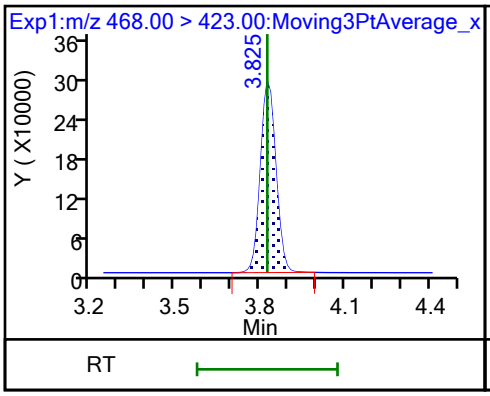
17 Perfluorooctanesulfonic acid (M)



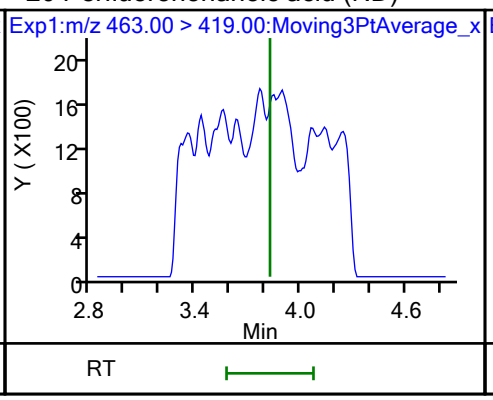
D 18 13C4 PFOS



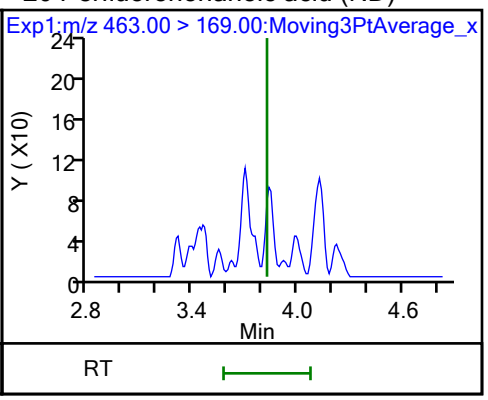
D 19 13C5 PFNA



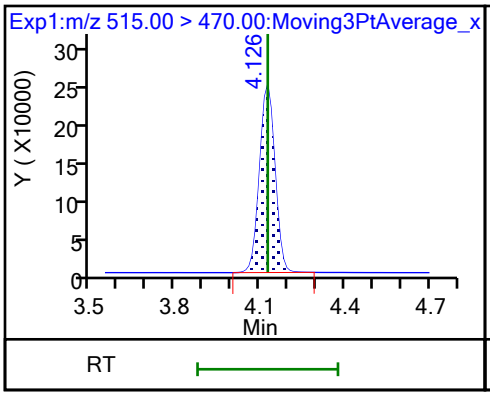
20 Perfluorononanoic acid (ND)



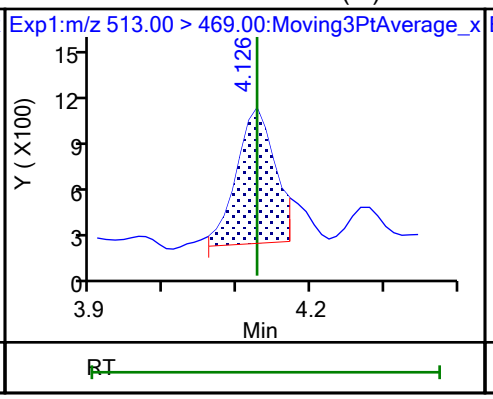
20 Perfluorononanoic acid (ND)



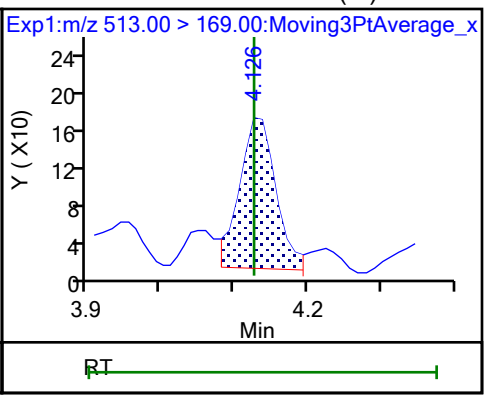
D 23 13C2 PFDA



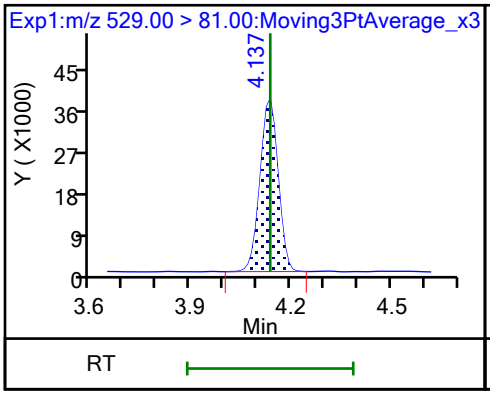
24 Perfluorodecanoic acid (M)



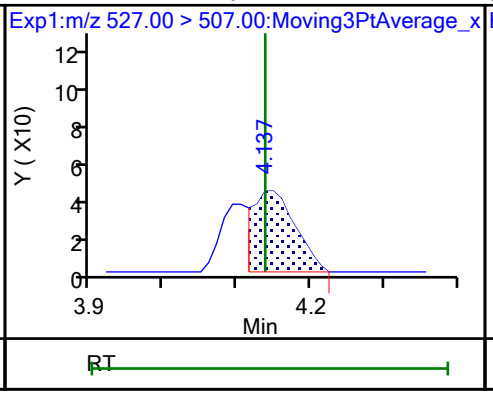
24 Perfluorodecanoic acid (M)



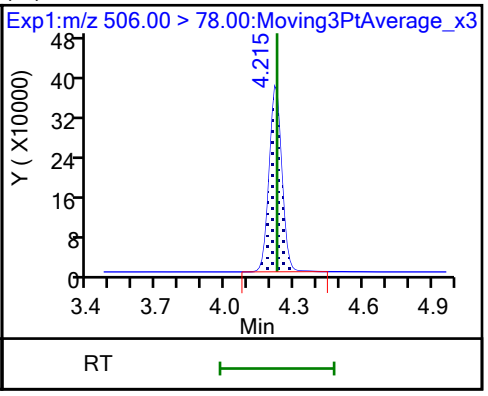
D 26 M2-8:2 FTS



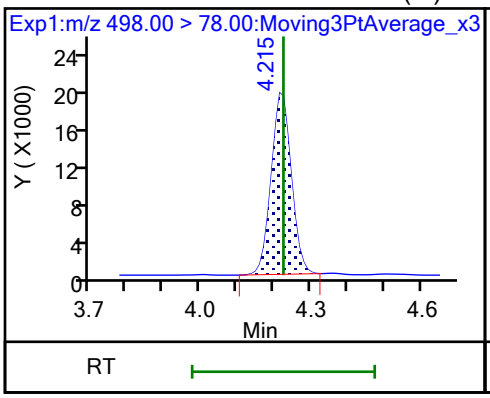
25 1H,1H,2H,2H-perfluorodecanesulfo



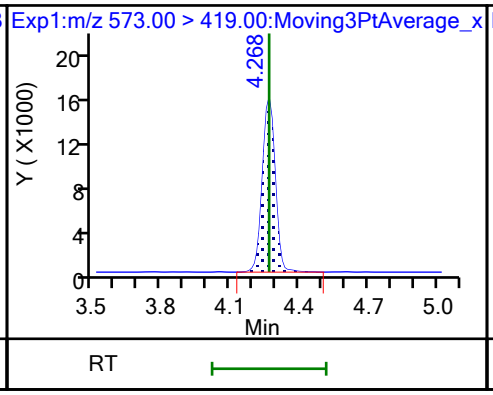
D 21 13C8 FOSA



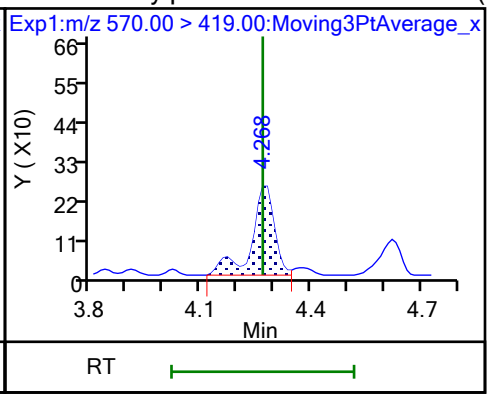
22 Perfluorooctanesulfonamide (M)



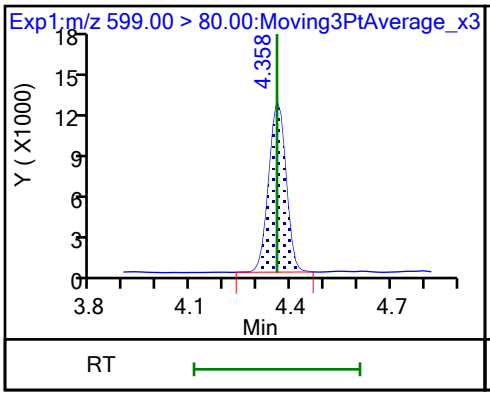
D 27 d3-NMeFOSAA



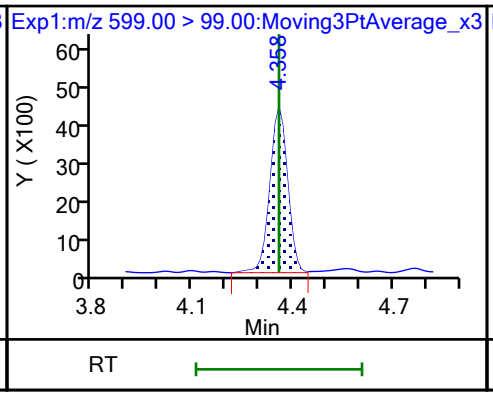
28 N-methylperfluorooctanesulfonami (M)



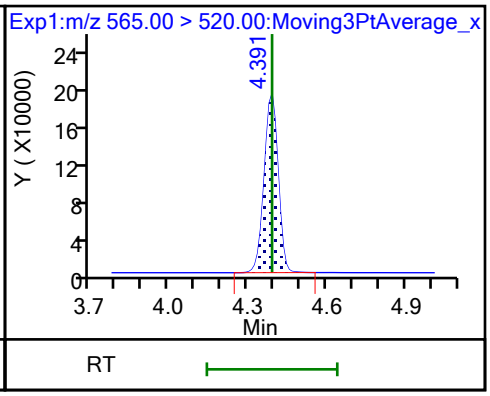
29 Perfluorodecanesulfonic acid



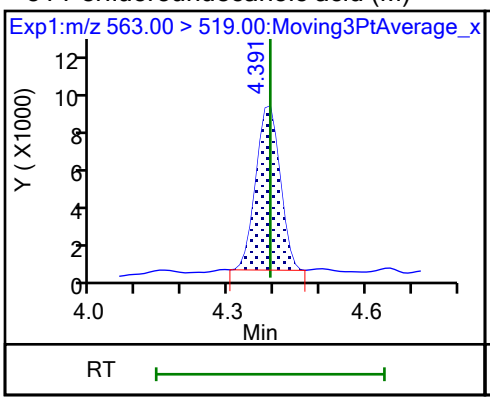
29 Perfluorodecanesulfonic acid



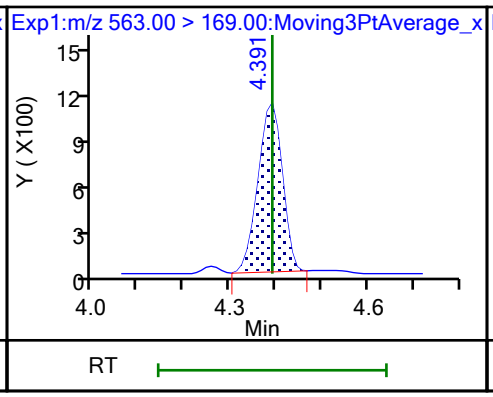
D 30 13C2 PFUnA



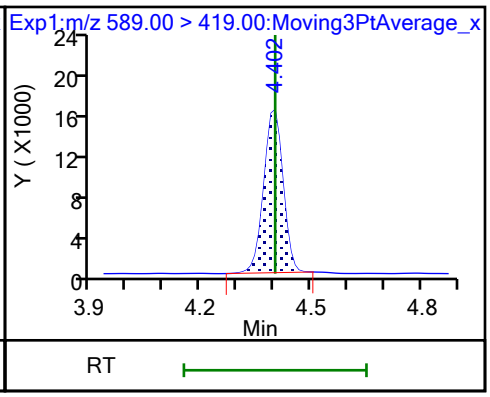
31 Perfluoroundecanoic acid (M)



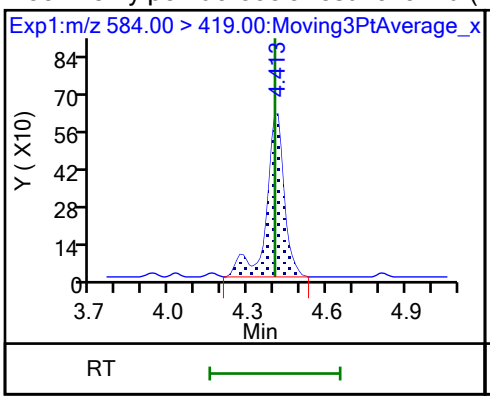
31 Perfluoroundecanoic acid



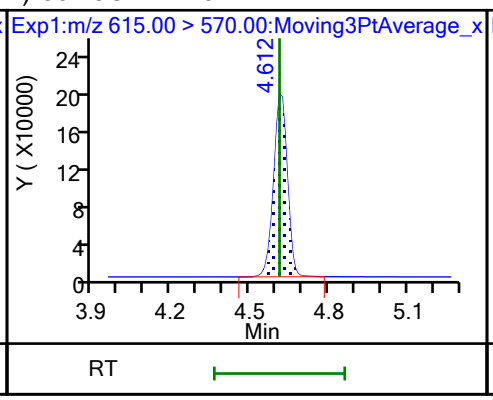
D 32 d5-NEtFOSAA



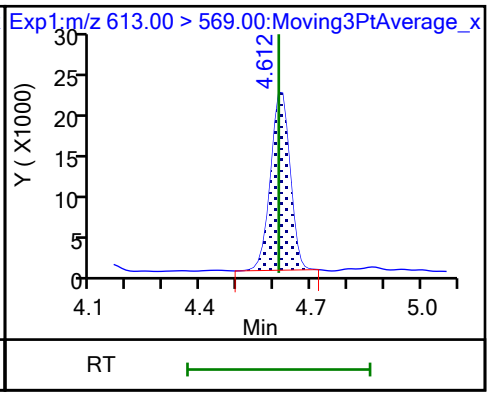
33 N-ethylperfluorooctanesulfonamid (M)



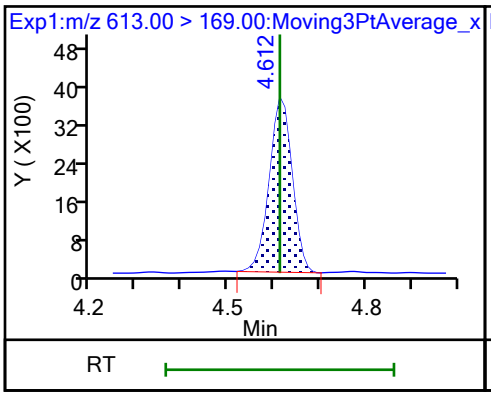
D 36 13C2 PFDoA



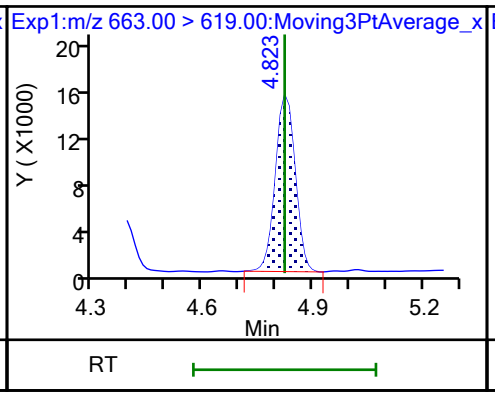
37 Perfluorododecanoic acid



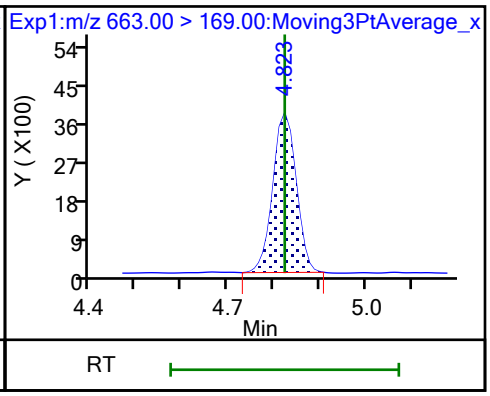
37 Perfluorododecanoic acid



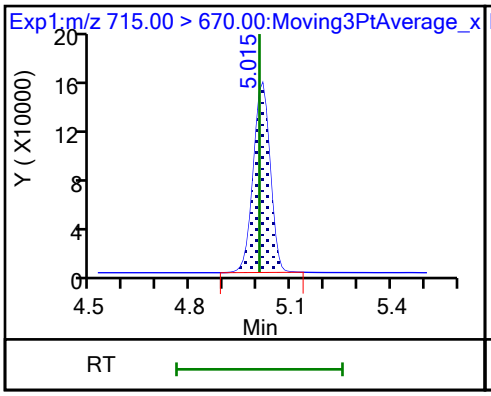
41 Perfluorotridecanoic acid



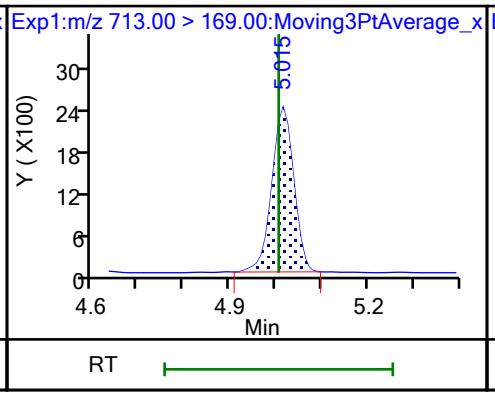
41 Perfluorotridecanoic acid



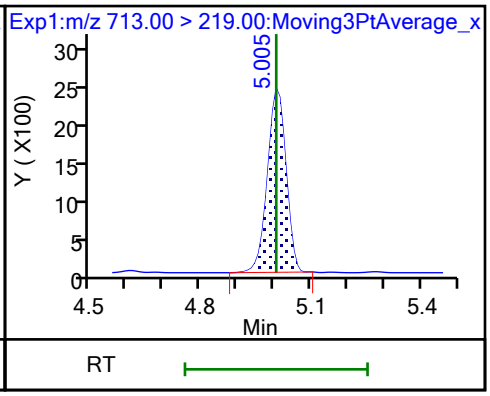
D 43 13C2 PFTeDA



42 Perfluorotetradecanoic acid



42 Perfluorotetradecanoic acid



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

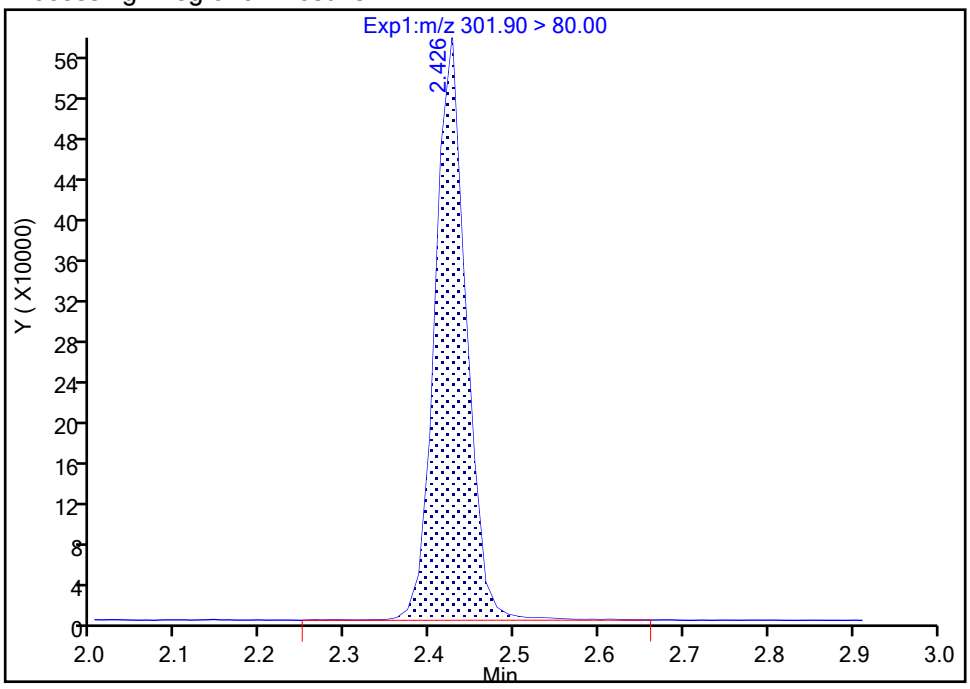
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Injection Date:	03-Mar-2021 21:43:55	Instrument ID:	LC812		
Lims ID:	480-181441-A-10-A	Lab Sample ID:	200-181441-10		
Client ID:	MW-4S-022221				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

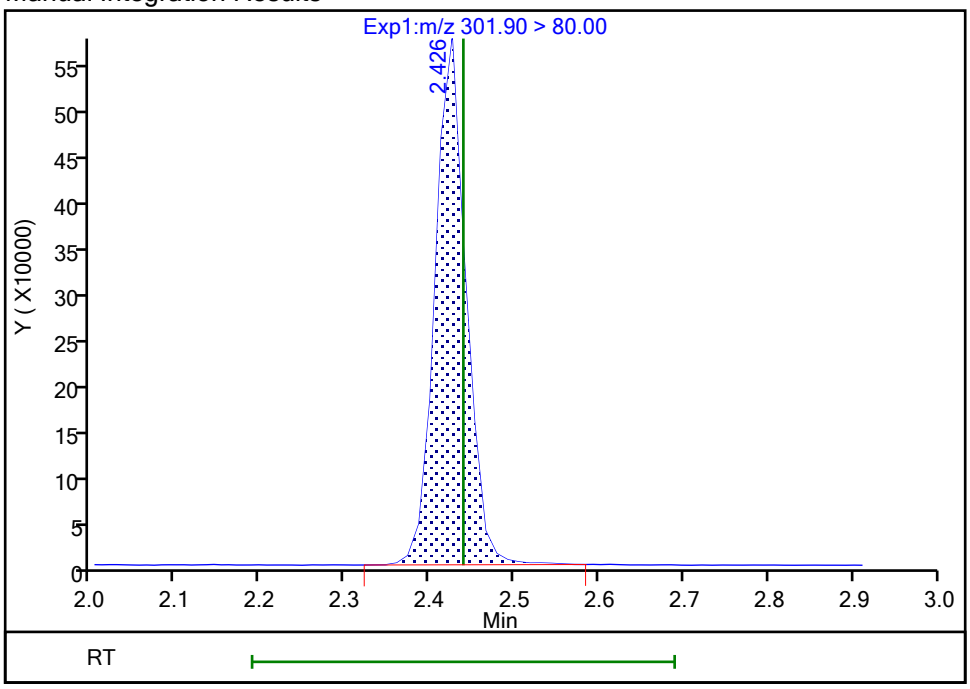
Processing Integration Results

RT: 2.43
Area: 1460340
Amount: 1.169921
Amount Units: ng/ml



Manual Integration Results

RT: 2.43
Area: 1451322
Amount: 1.162696
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:35:00

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

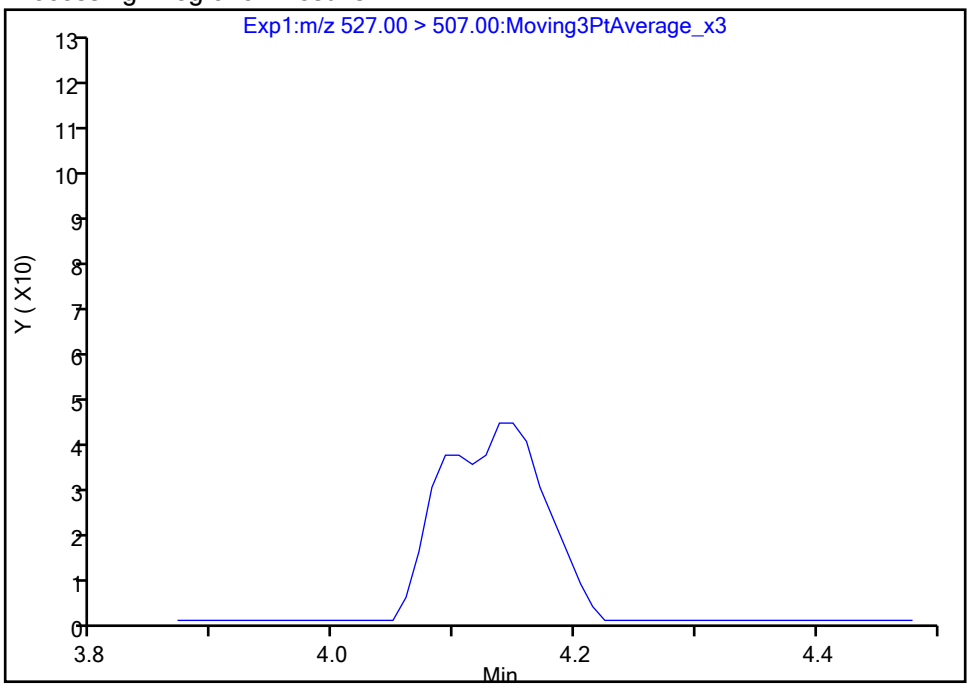
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Injection Date:	03-Mar-2021 21:43:55	Instrument ID:	LC812		
Lims ID:	480-181441-A-10-A	Lab Sample ID:	200-181441-10		
Client ID:	MW-4S-022221				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

25 1H,1H,2H,2H-perfluorodecanesulfo, CAS: 39108-34-4

Signal: 1

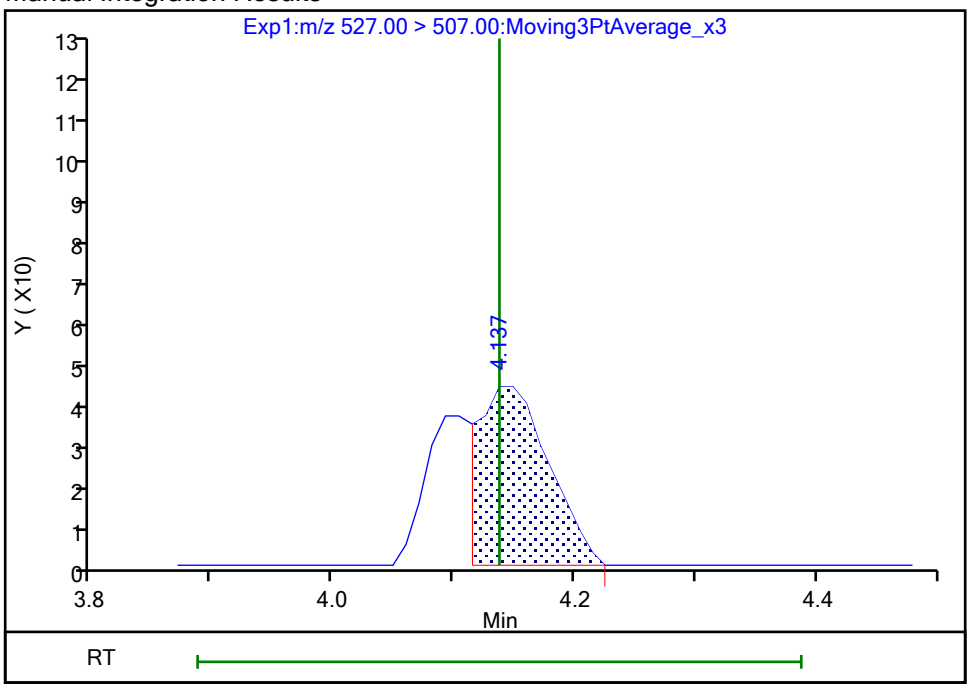
Not Detected
Expected RT: 4.14

Processing Integration Results



Manual Integration Results

RT: 4.14
Area: 170
Amount: 0.002106
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:37:21
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

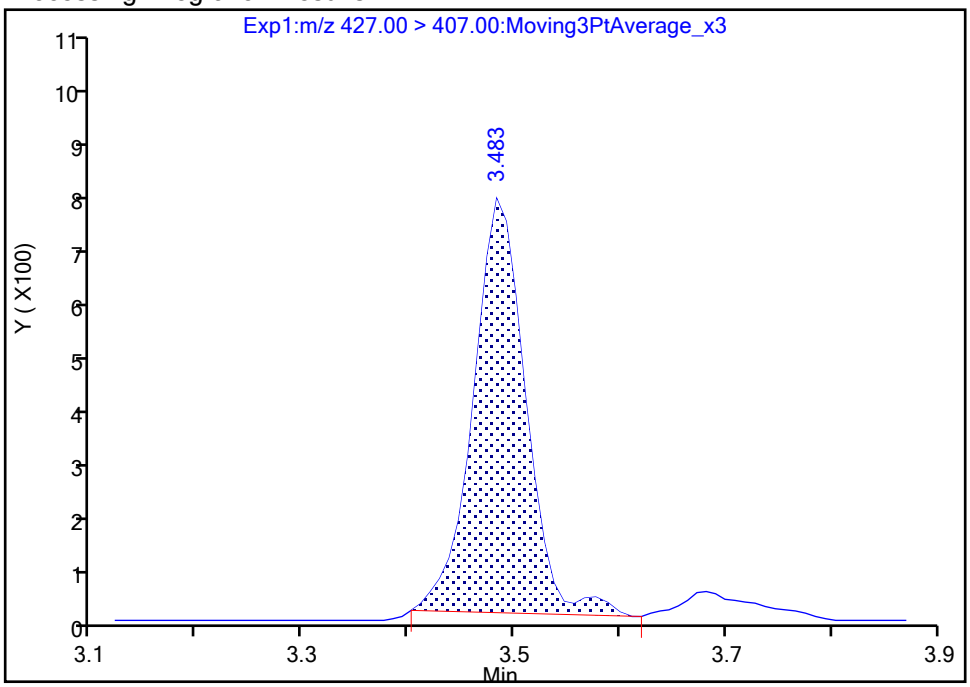
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Injection Date:	03-Mar-2021 21:43:55	Instrument ID:	LC812		
Lims ID:	480-181441-A-10-A	Lab Sample ID:	200-181441-10		
Client ID:	MW-4S-022221				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

Signal: 1

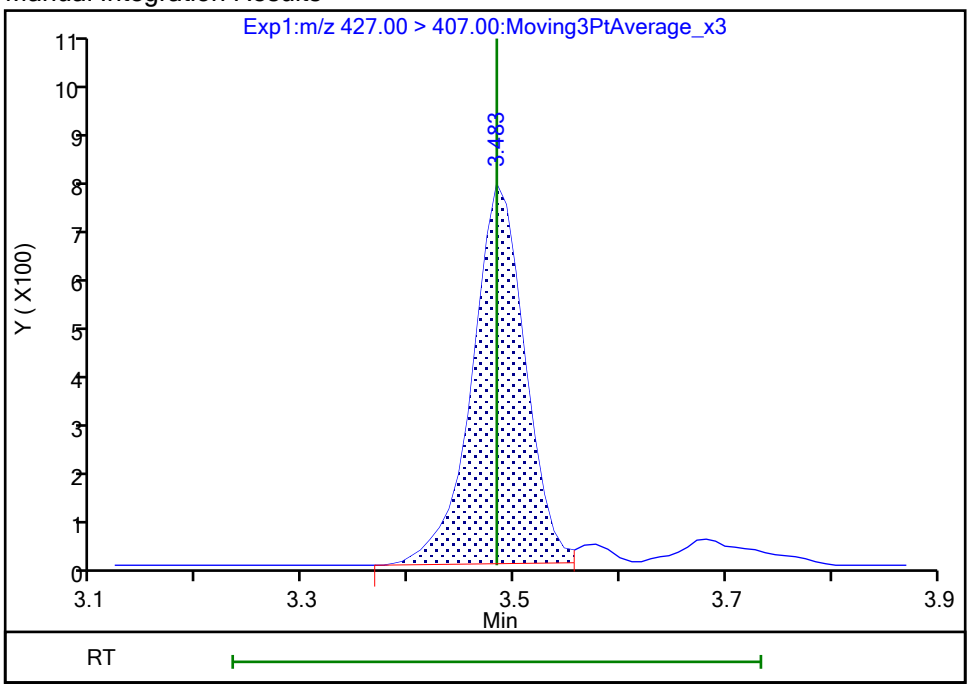
Processing Integration Results

RT: 3.48
Area: 2577
Amount: 0.018967
Amount Units: ng/ml



Manual Integration Results

RT: 3.48
Area: 2623
Amount: 0.019305
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:35:58

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

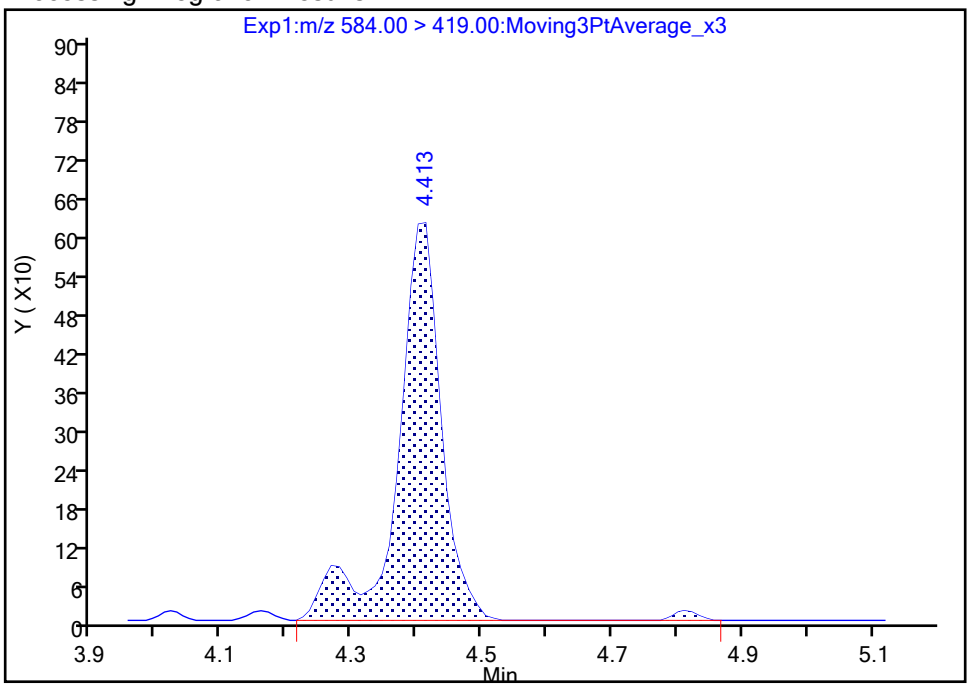
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B21.d				
Injection Date:	03-Mar-2021 21:43:55	Instrument ID:	LC812		
Lims ID:	480-181441-A-10-A	Lab Sample ID:	200-181441-10		
Client ID:	MW-4S-022221				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

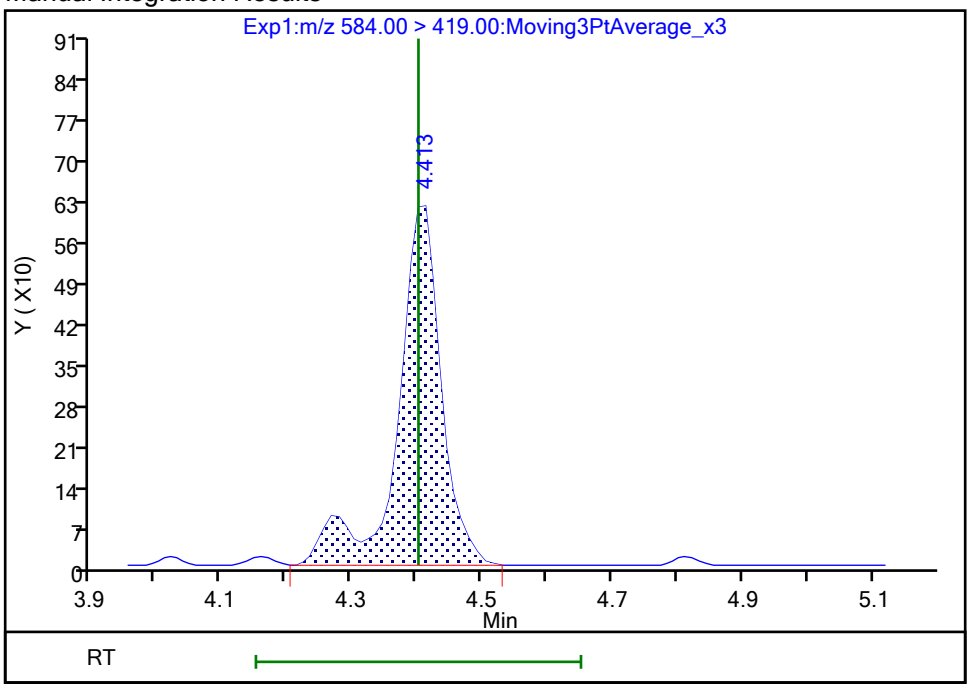
Processing Integration Results

RT: 4.41
Area: 2936
Amount: 0.066552
Amount Units: ng/ml



Manual Integration Results

RT: 4.41
Area: 2898
Amount: 0.065691
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:37:43

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

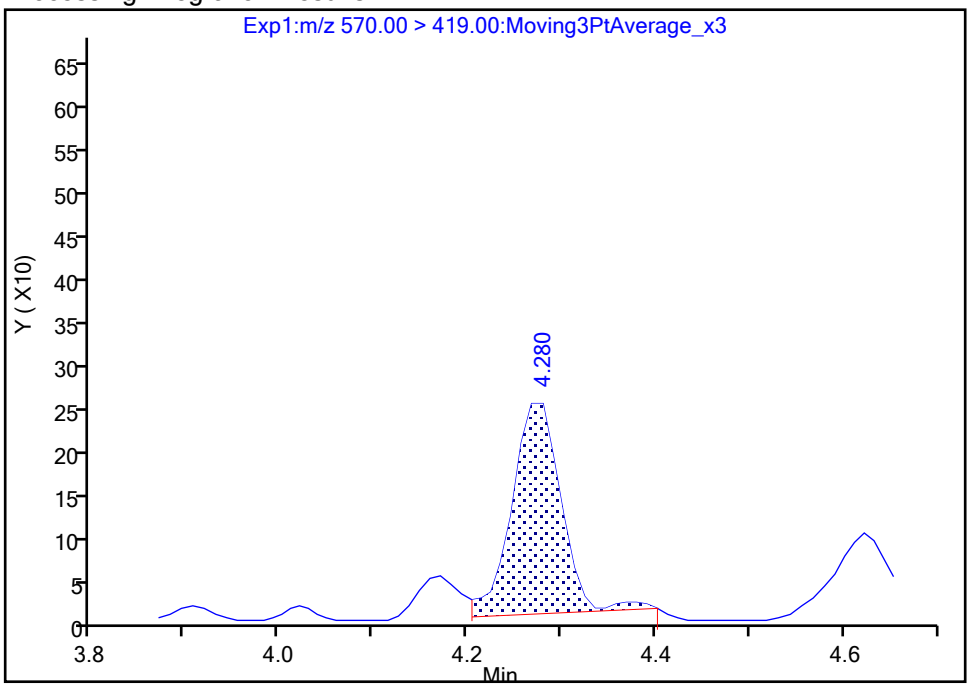
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B21.d				
Injection Date:	03-Mar-2021 21:43:55	Instrument ID:	LC812		
Lims ID:	480-181441-A-10-A	Lab Sample ID:	200-181441-10		
Client ID:	MW-4S-022221				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

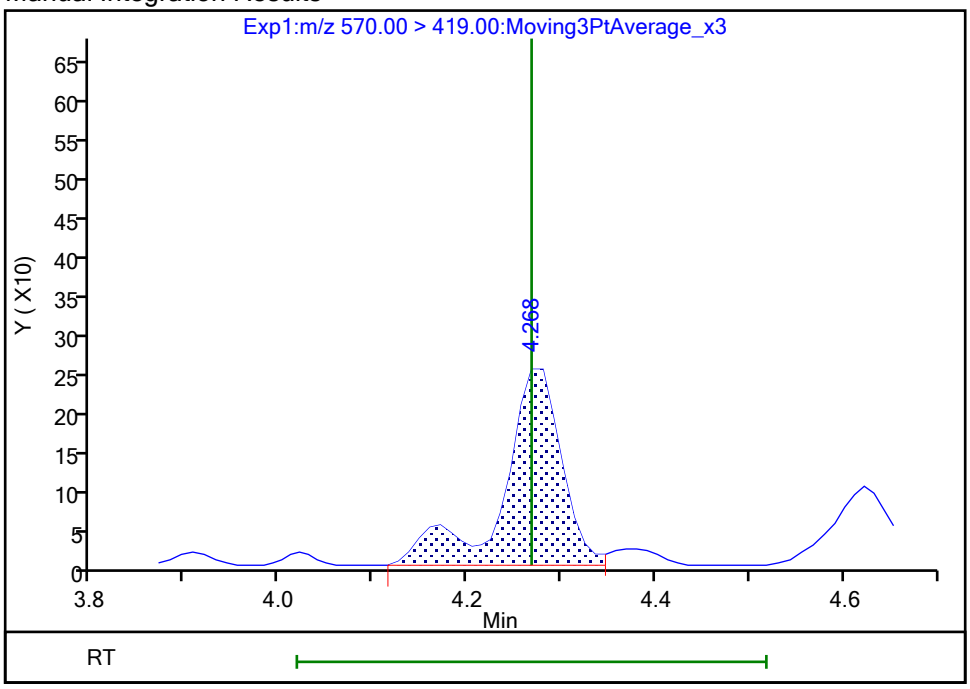
Processing Integration Results

RT: 4.28
Area: 895
Amount: 0.021095
Amount Units: ng/ml



Manual Integration Results

RT: 4.27
Area: 1102
Amount: 0.025974
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:37:33

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

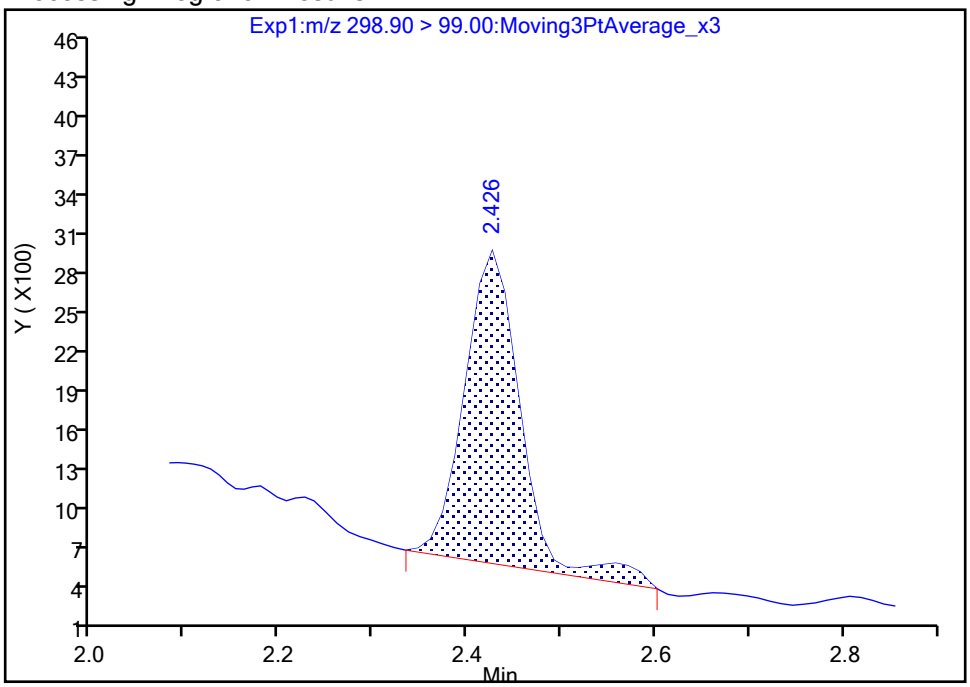
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B21.d				
Injection Date:	03-Mar-2021 21:43:55	Instrument ID:	LC812		
Lims ID:	480-181441-A-10-A	Lab Sample ID:	200-181441-10		
Client ID:	MW-4S-022221				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

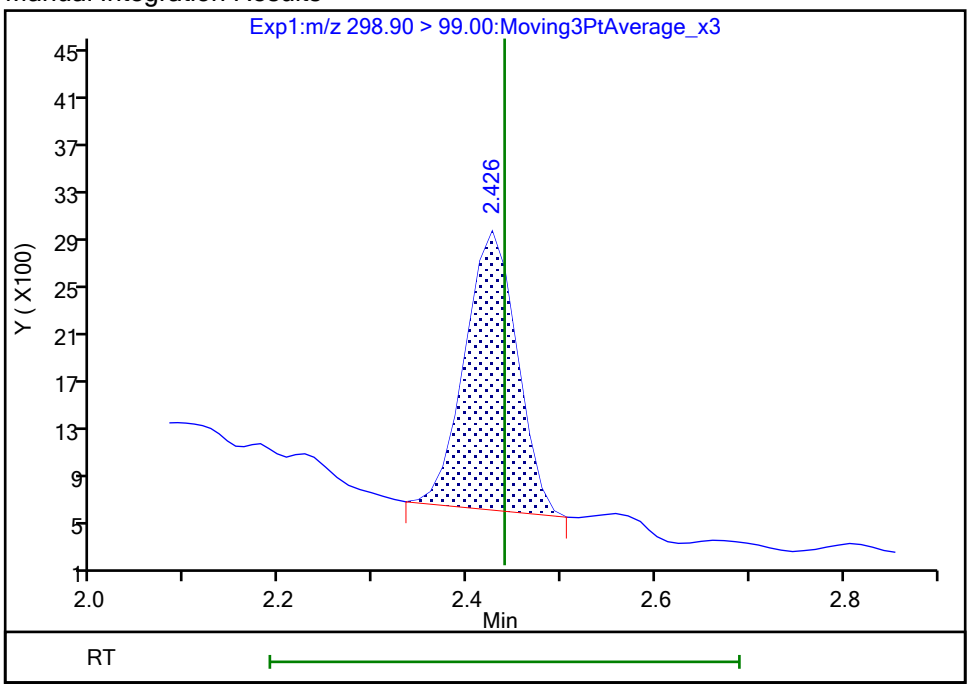
Processing Integration Results

RT: 2.43
Area: 9868
Amount: 0.013712
Amount Units: ng/ml



Manual Integration Results

RT: 2.43
Area: 8998
Amount: 0.013712
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:35:25

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

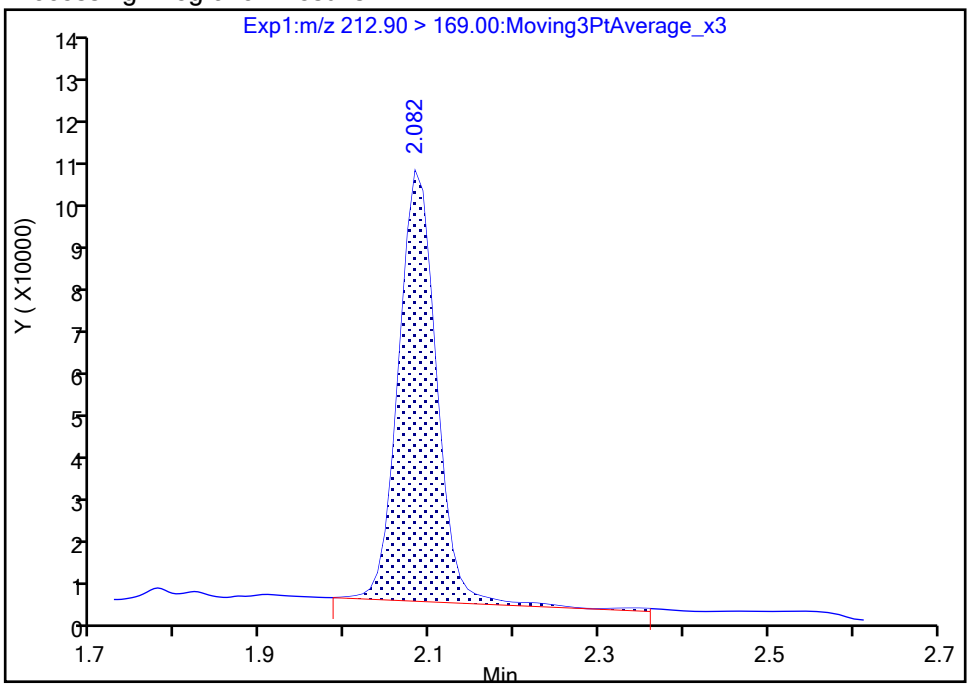
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B21.d				
Injection Date:	03-Mar-2021 21:43:55	Instrument ID:	LC812		
Lims ID:	480-181441-A-10-A	Lab Sample ID:	200-181441-10		
Client ID:	MW-4S-022221				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

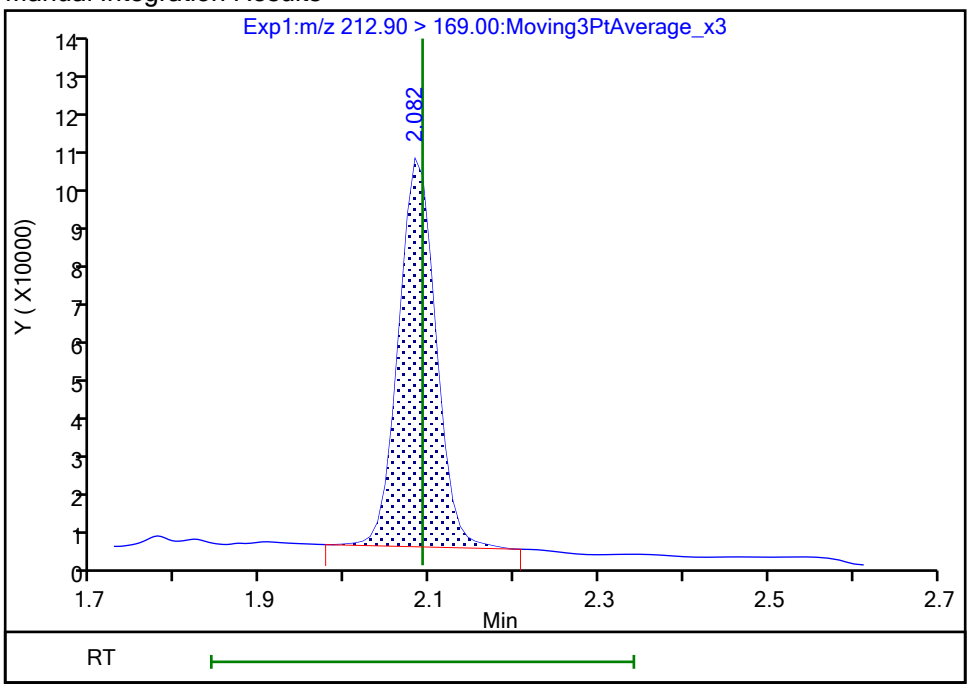
Processing Integration Results

RT: 2.08
Area: 314659
Amount: 0.290385
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 305968
Amount: 0.282364
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:35:15

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

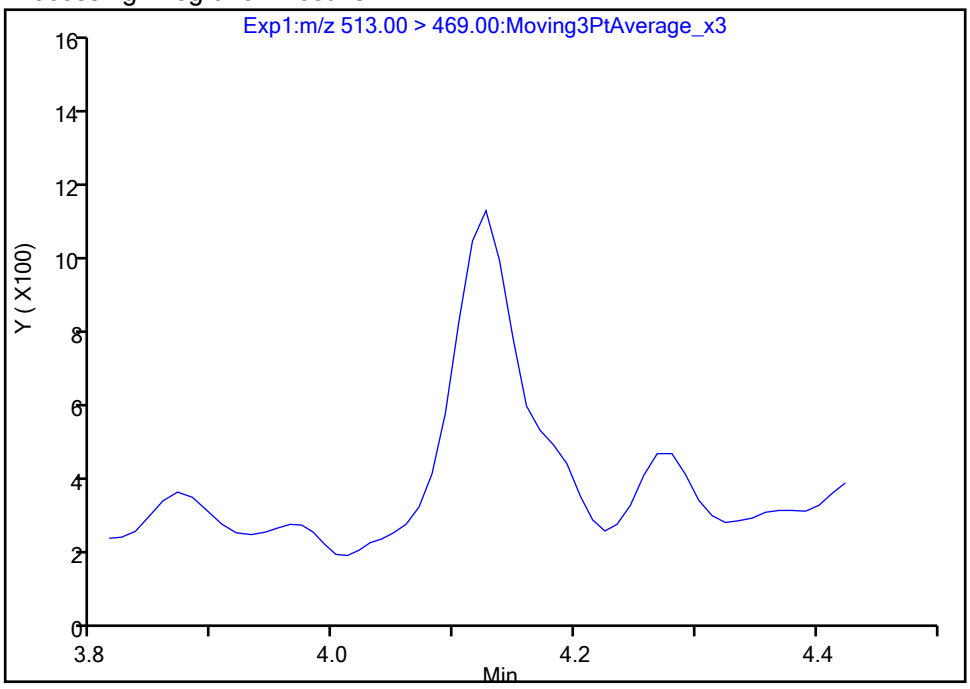
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B21.d				
Injection Date:	03-Mar-2021 21:43:55	Instrument ID:	LC812		
Lims ID:	480-181441-A-10-A	Lab Sample ID:	200-181441-10		
Client ID:	MW-4S-022221				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

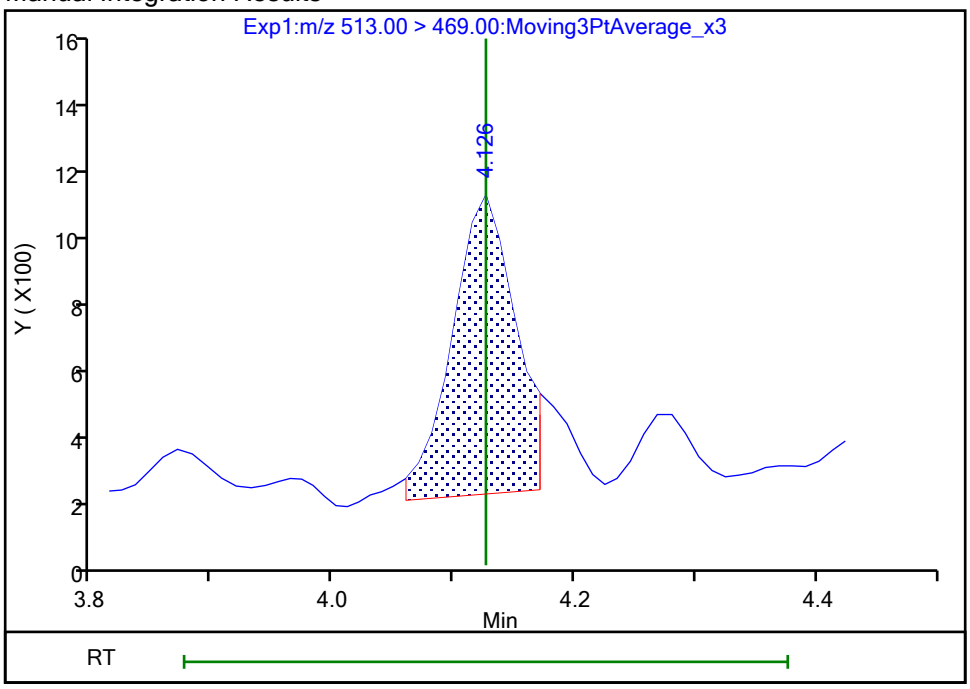
Not Detected
Expected RT: 4.13

Processing Integration Results



Manual Integration Results

RT: 4.13
Area: 3251
Amount: 0.004159
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:37:13
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

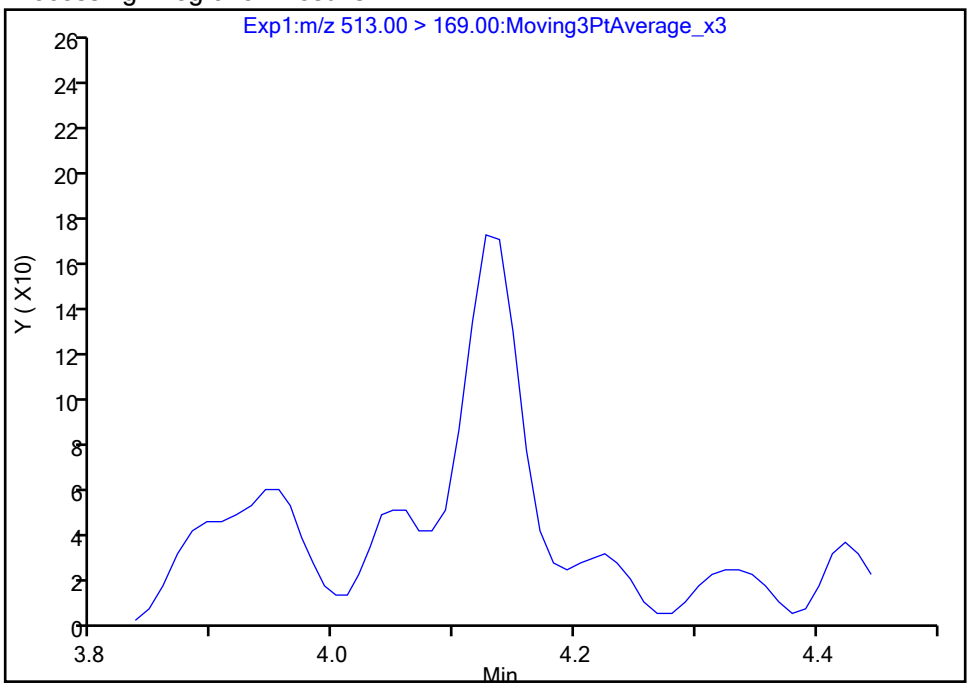
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B21.d				
Injection Date:	03-Mar-2021 21:43:55	Instrument ID:	LC812		
Lims ID:	480-181441-A-10-A	Lab Sample ID:	200-181441-10		
Client ID:	MW-4S-022221				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

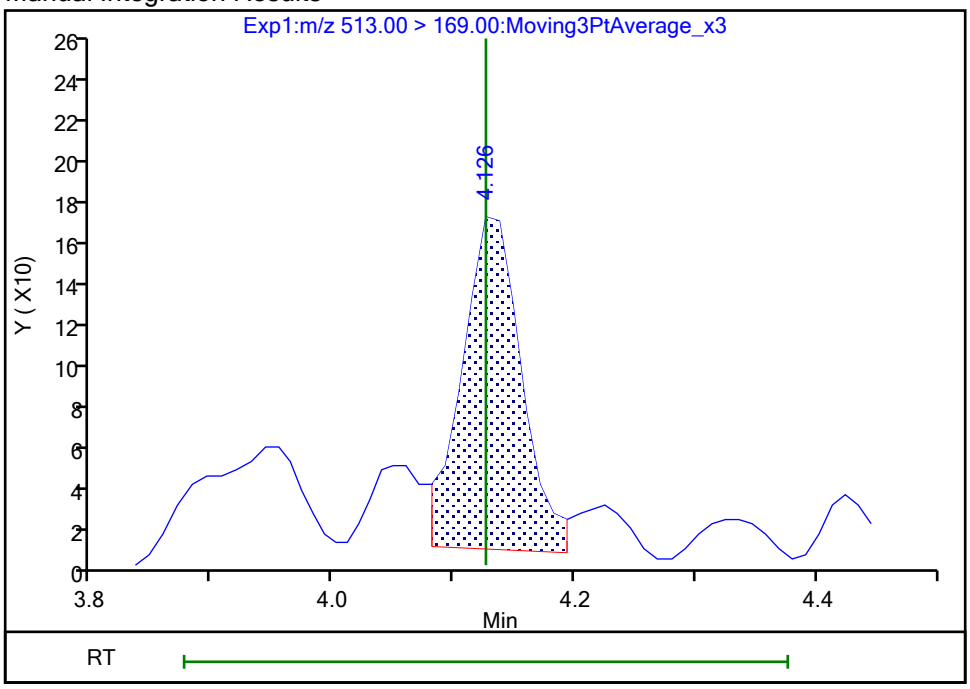
Not Detected
Expected RT: 4.13

Processing Integration Results



Manual Integration Results

RT: 4.13
Area: 546
Amount: 0.004159
Amount Units: ng/ml



Reviewer: deannd, 04-Mar-2021 10:16:24
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

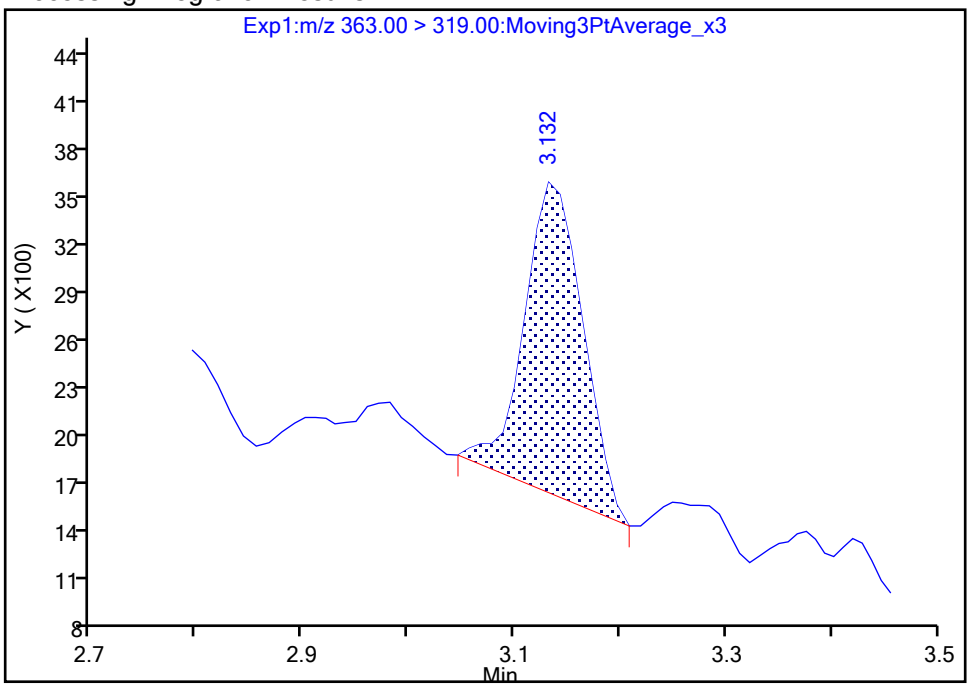
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B21.d				
Injection Date:	03-Mar-2021 21:43:55	Instrument ID:	LC812		
Lims ID:	480-181441-A-10-A	Lab Sample ID:	200-181441-10		
Client ID:	MW-4S-022221				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

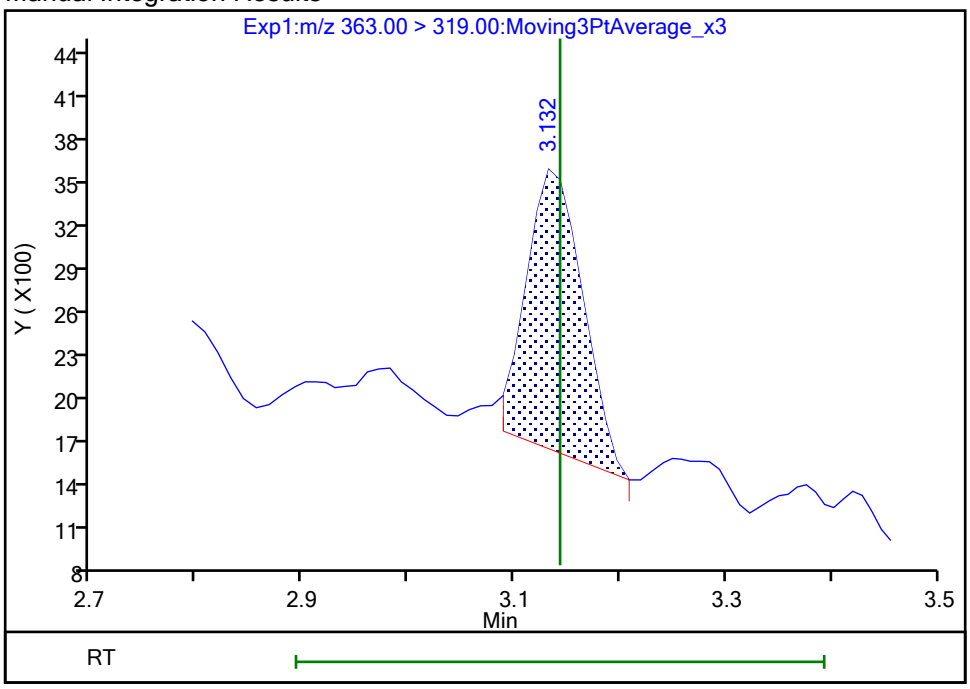
Processing Integration Results

RT: 3.13
Area: 7347
Amount: 0.006649
Amount Units: ng/ml



Manual Integration Results

RT: 3.13
Area: 6998
Amount: 0.006334
Amount Units: ng/ml



Reviewer: deannd, 04-Mar-2021 10:15:38
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

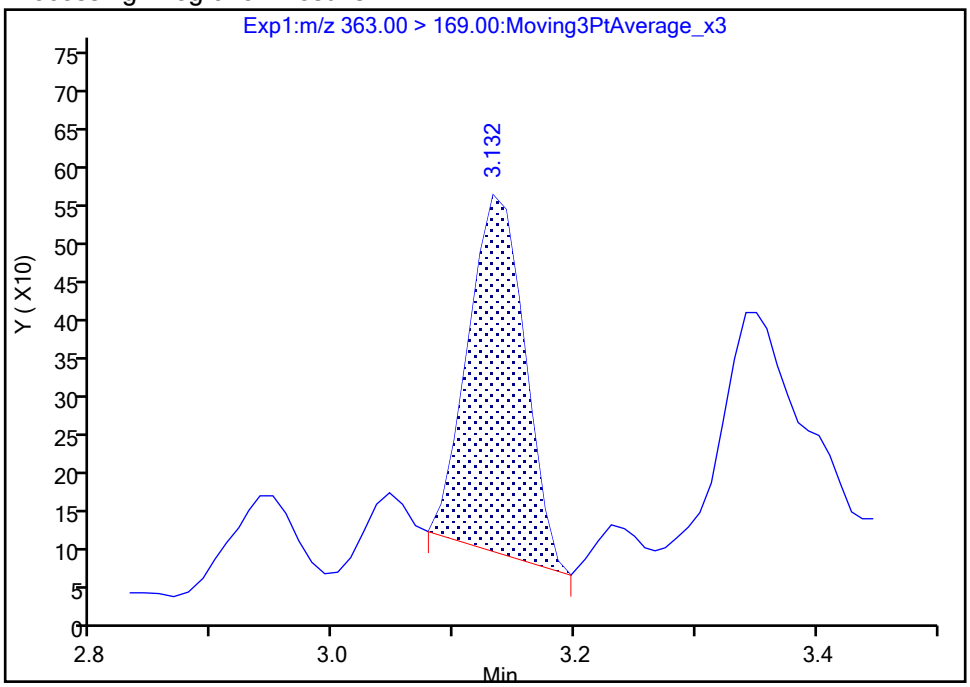
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B21.d				
Injection Date:	03-Mar-2021 21:43:55	Instrument ID:	LC812		
Lims ID:	480-181441-A-10-A	Lab Sample ID:	200-181441-10		
Client ID:	MW-4S-022221				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

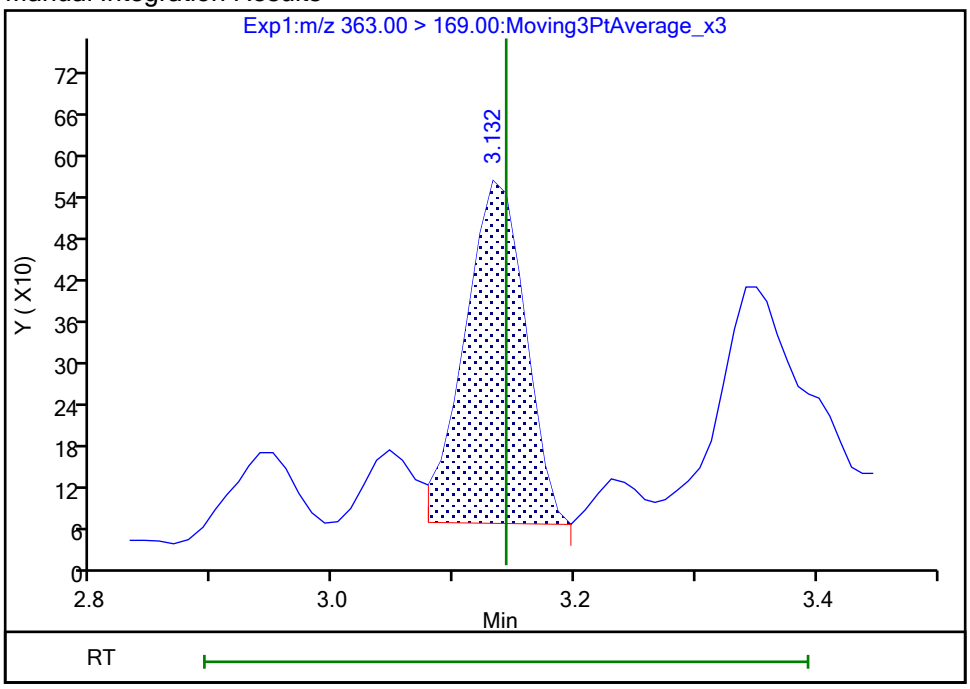
Processing Integration Results

RT: 3.13
Area: 1520
Amount: 0.006649
Amount Units: ng/ml



Manual Integration Results

RT: 3.13
Area: 1712
Amount: 0.006334
Amount Units: ng/ml



Reviewer: deannd, 04-Mar-2021 10:15:41
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

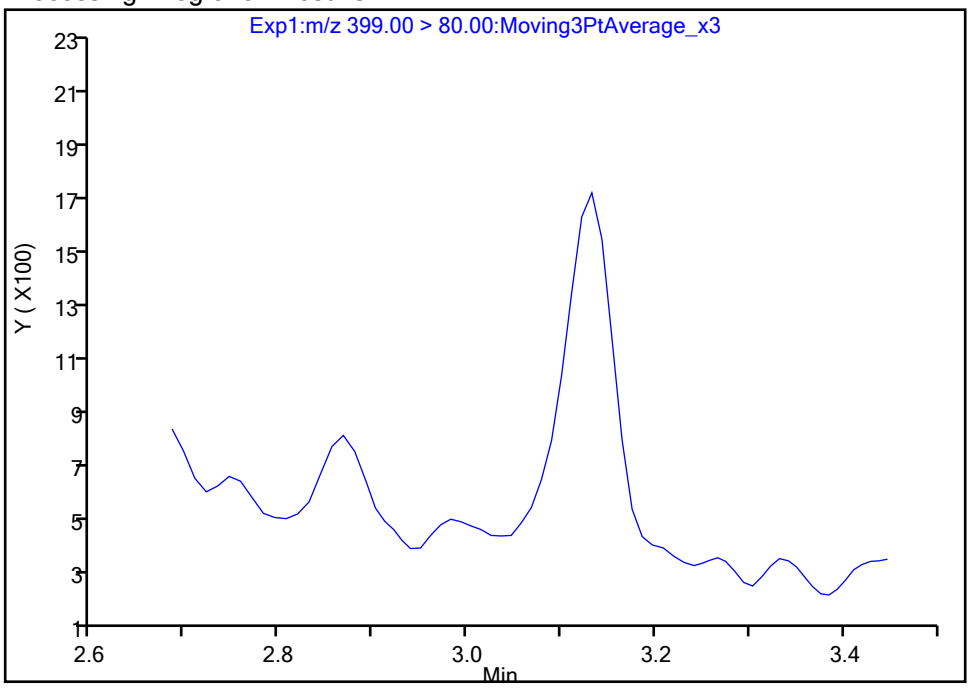
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B21.d				
Injection Date:	03-Mar-2021 21:43:55	Instrument ID:	LC812		
Lims ID:	480-181441-A-10-A	Lab Sample ID:	200-181441-10		
Client ID:	MW-4S-022221				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

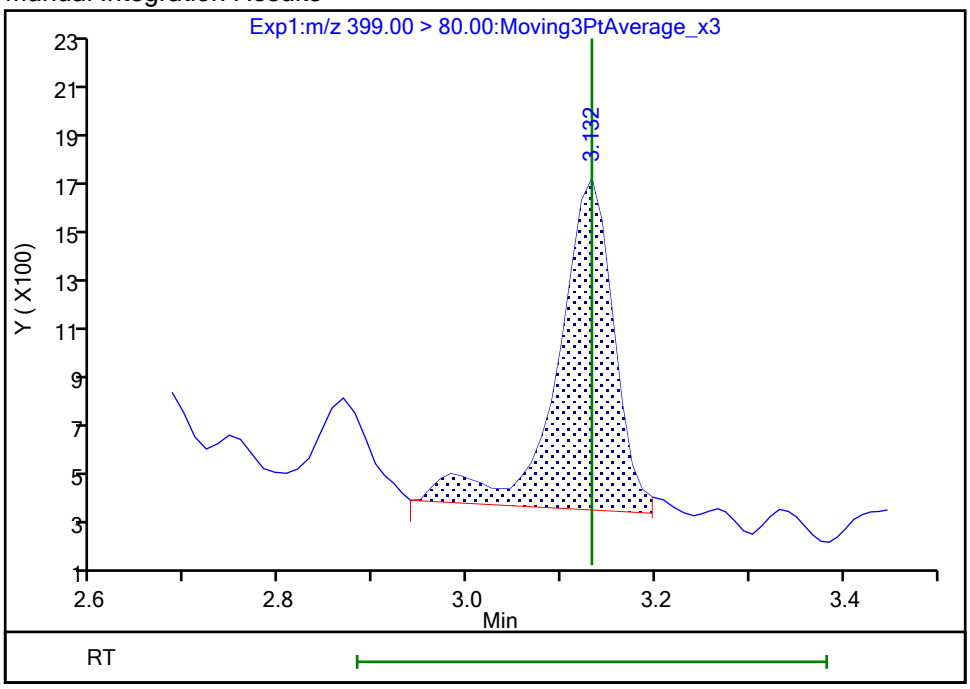
Not Detected
Expected RT: 3.13

Processing Integration Results



Manual Integration Results

RT: 3.13
Area: 5499
Amount: 0.004751
Amount Units: ng/ml



Reviewer: deannd, 04-Mar-2021 10:15:06
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

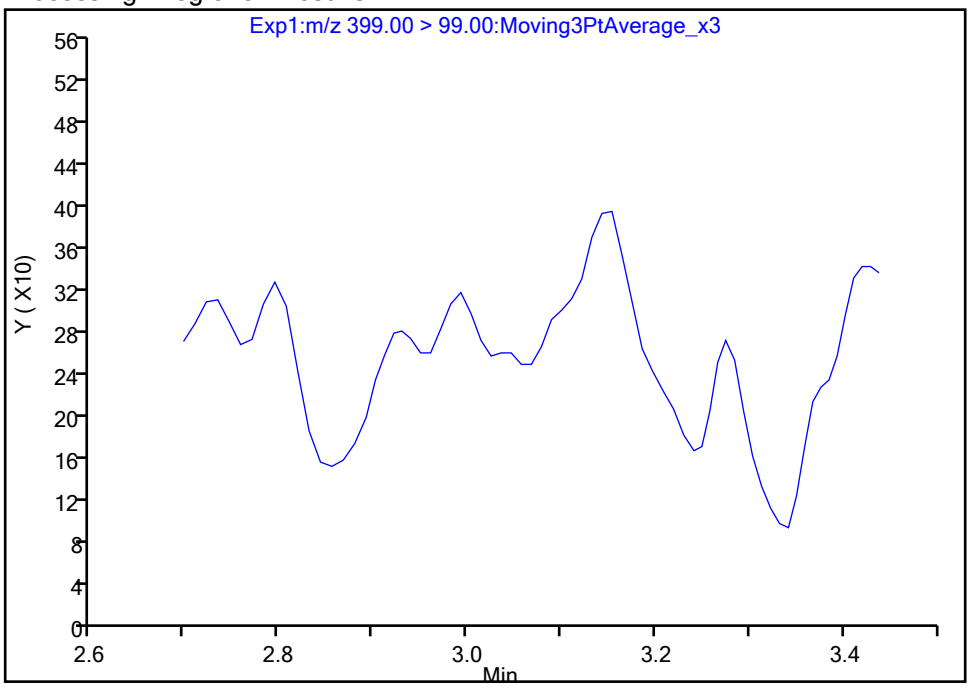
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B21.d				
Injection Date:	03-Mar-2021 21:43:55	Instrument ID:	LC812		
Lims ID:	480-181441-A-10-A	Lab Sample ID:	200-181441-10		
Client ID:	MW-4S-022221				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

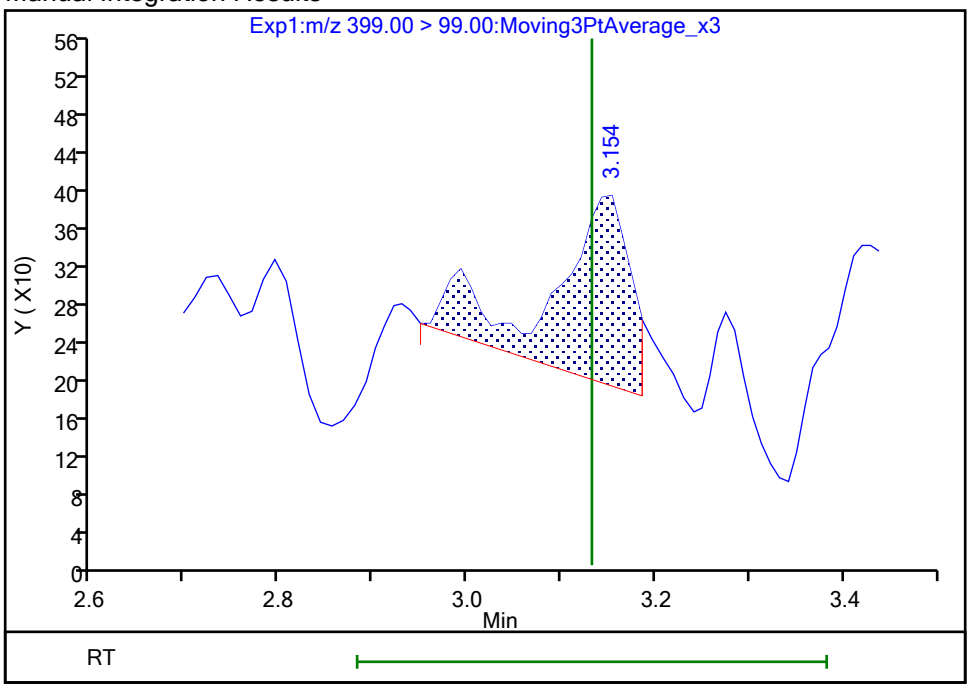
Not Detected
Expected RT: 3.13

Processing Integration Results



Manual Integration Results

RT: 3.15
Area: 1112
Amount: 0.004751
Amount Units: ng/ml



Reviewer: deannd, 04-Mar-2021 10:15:21
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

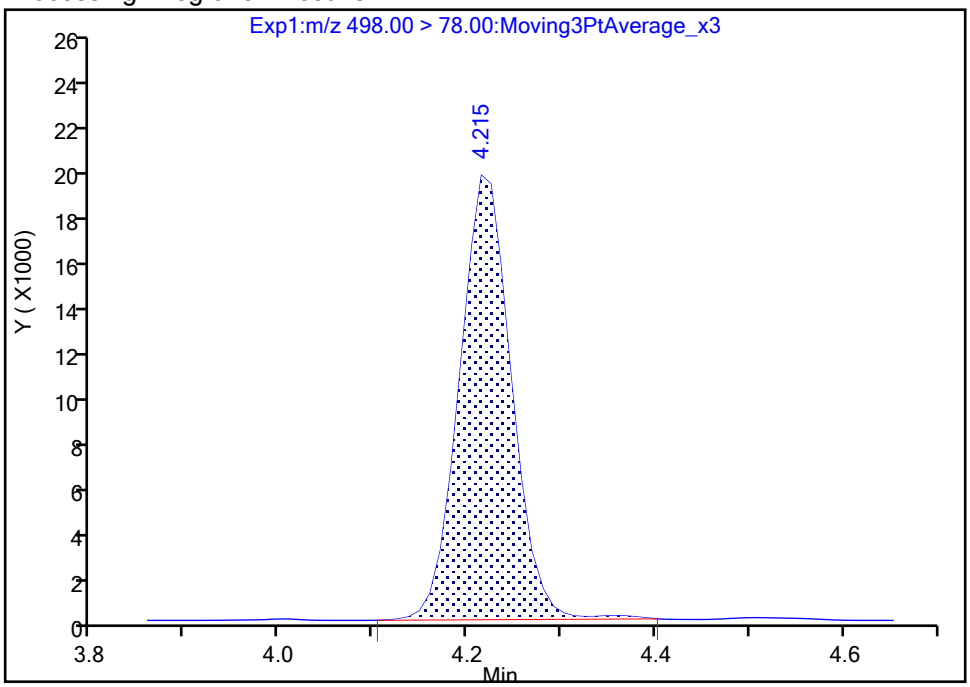
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Injection Date:	03-Mar-2021 21:43:55	Instrument ID:	LC812		
Lims ID:	480-181441-A-10-A	Lab Sample ID:	200-181441-10		
Client ID:	MW-4S-022221				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

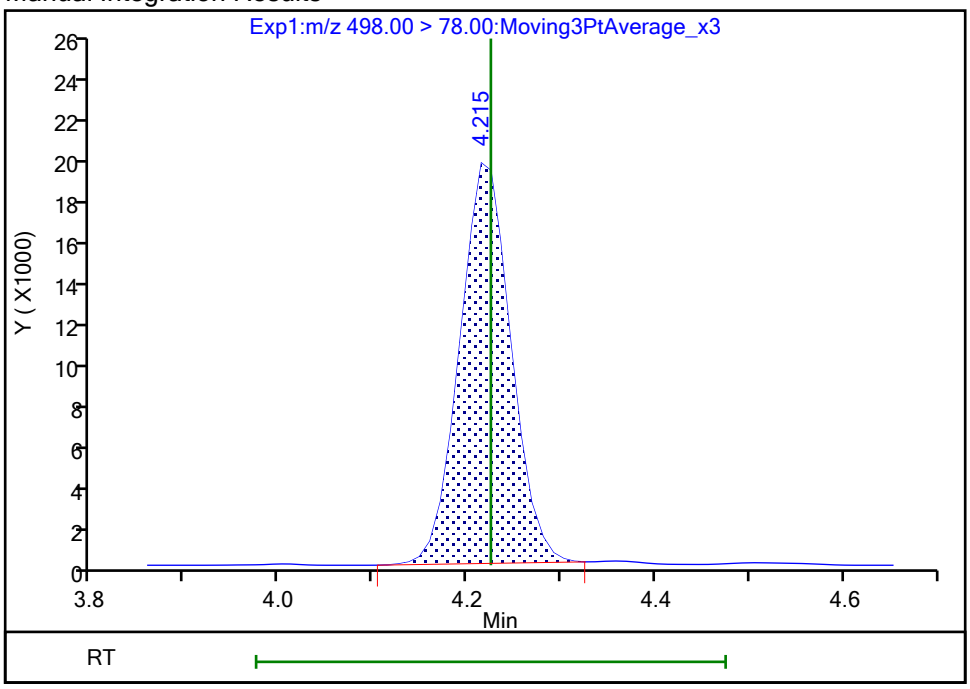
Processing Integration Results

RT: 4.21
Area: 74496
Amount: 0.065414
Amount Units: ng/ml



Manual Integration Results

RT: 4.21
Area: 73266
Amount: 0.064334
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:37:26

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

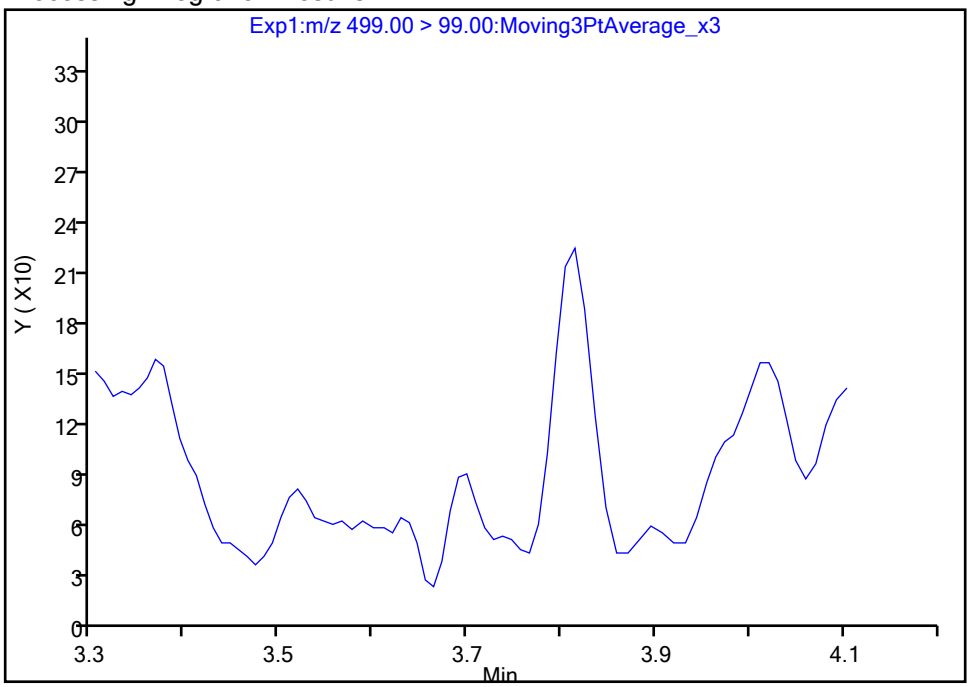
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B21.d				
Injection Date:	03-Mar-2021 21:43:55	Instrument ID:	LC812		
Lims ID:	480-181441-A-10-A	Lab Sample ID:	200-181441-10		
Client ID:	MW-4S-022221				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

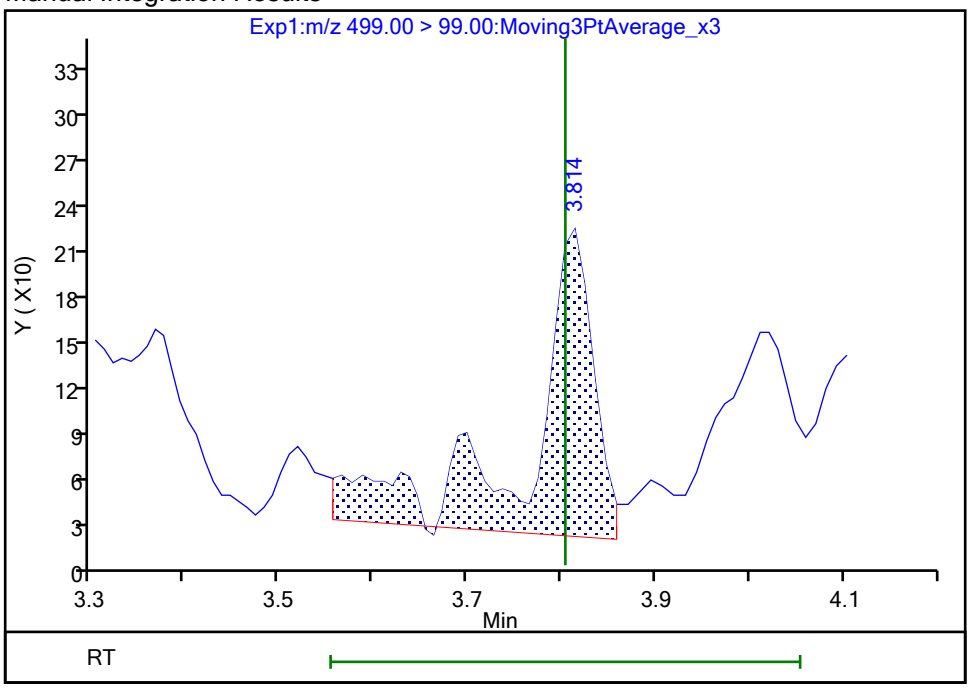
Not Detected
Expected RT: 3.80

Processing Integration Results



Manual Integration Results

RT: 3.81
Area: 963
Amount: 0.005142
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:36:46
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

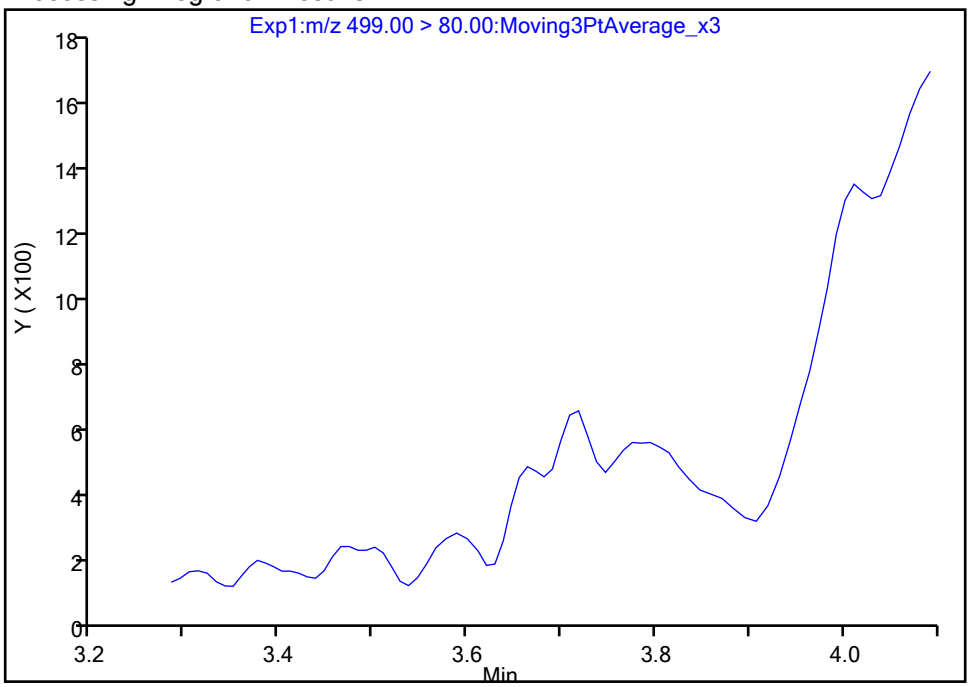
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B21.d				
Injection Date:	03-Mar-2021 21:43:55	Instrument ID:	LC812		
Lims ID:	480-181441-A-10-A	Lab Sample ID:	200-181441-10		
Client ID:	MW-4S-022221				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

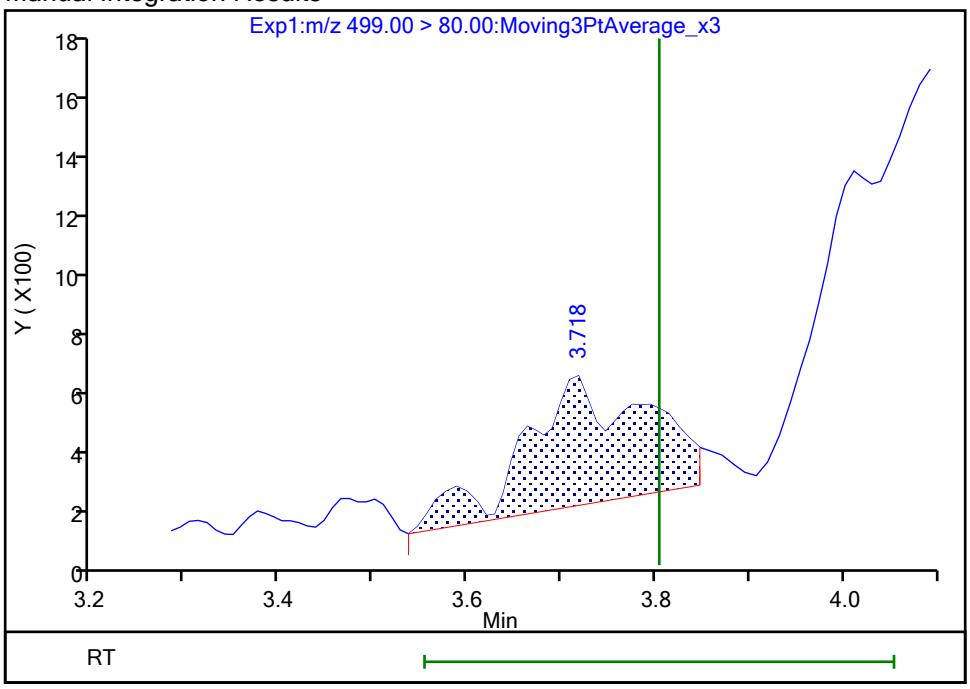
Not Detected
Expected RT: 3.80

Processing Integration Results



Manual Integration Results

RT: 3.72
Area: 3814
Amount: 0.005142
Amount Units: ng/ml



Reviewer: deannd, 04-Mar-2021 10:16:09
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

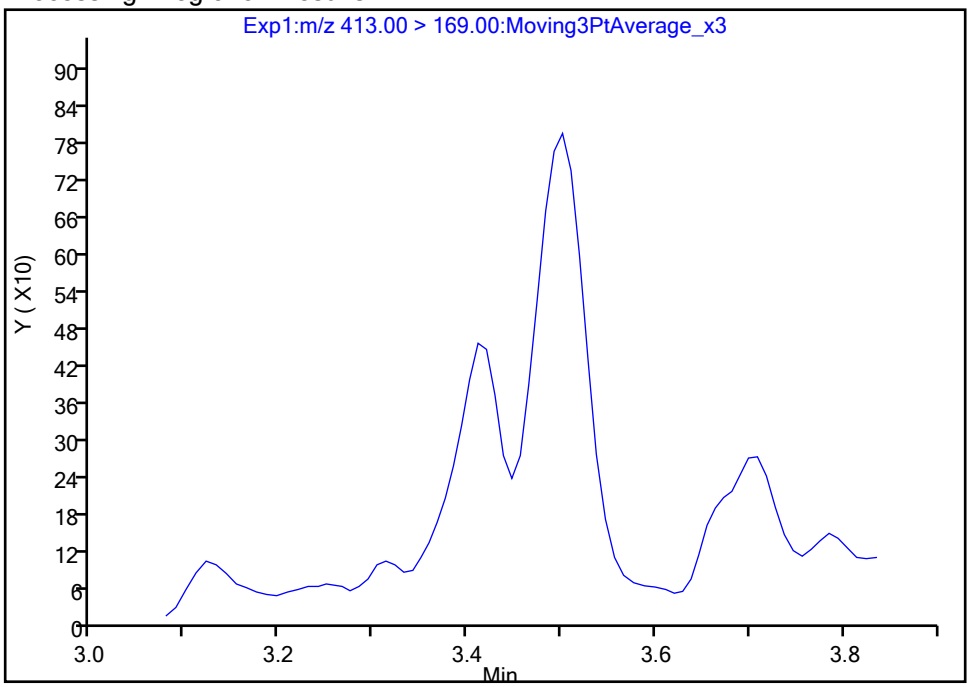
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B21.d				
Injection Date:	03-Mar-2021 21:43:55	Instrument ID:	LC812		
Lims ID:	480-181441-A-10-A	Lab Sample ID:	200-181441-10		
Client ID:	MW-4S-022221				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

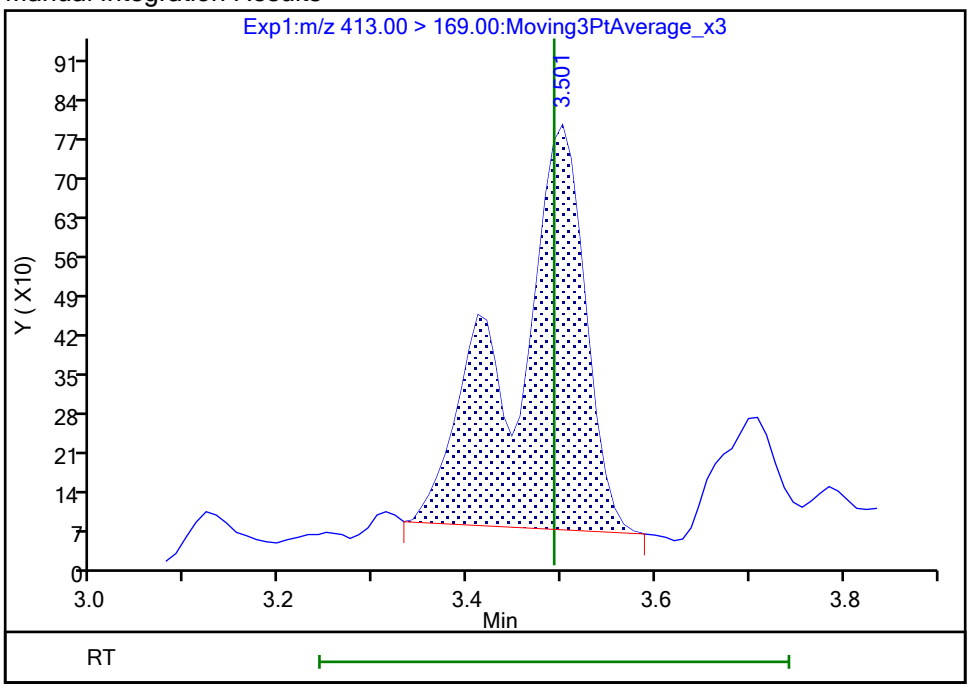
Not Detected
Expected RT: 3.49

Processing Integration Results



Manual Integration Results

RT: 3.50
Area: 3960
Amount: 0.008433
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:36:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

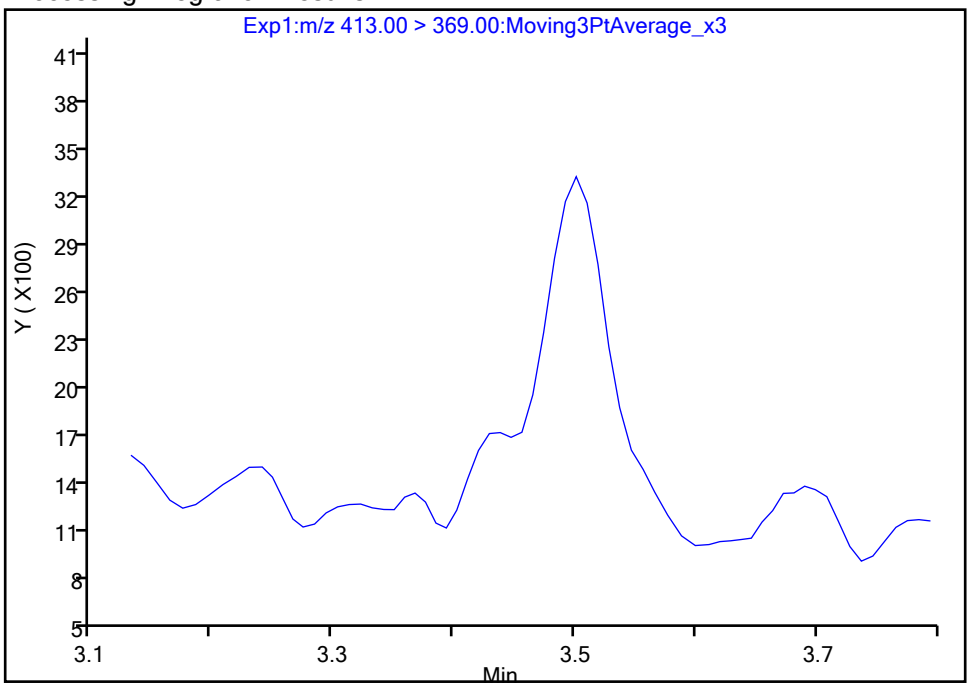
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B21.d				
Injection Date:	03-Mar-2021 21:43:55	Instrument ID:	LC812		
Lims ID:	480-181441-A-10-A	Lab Sample ID:	200-181441-10		
Client ID:	MW-4S-022221				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

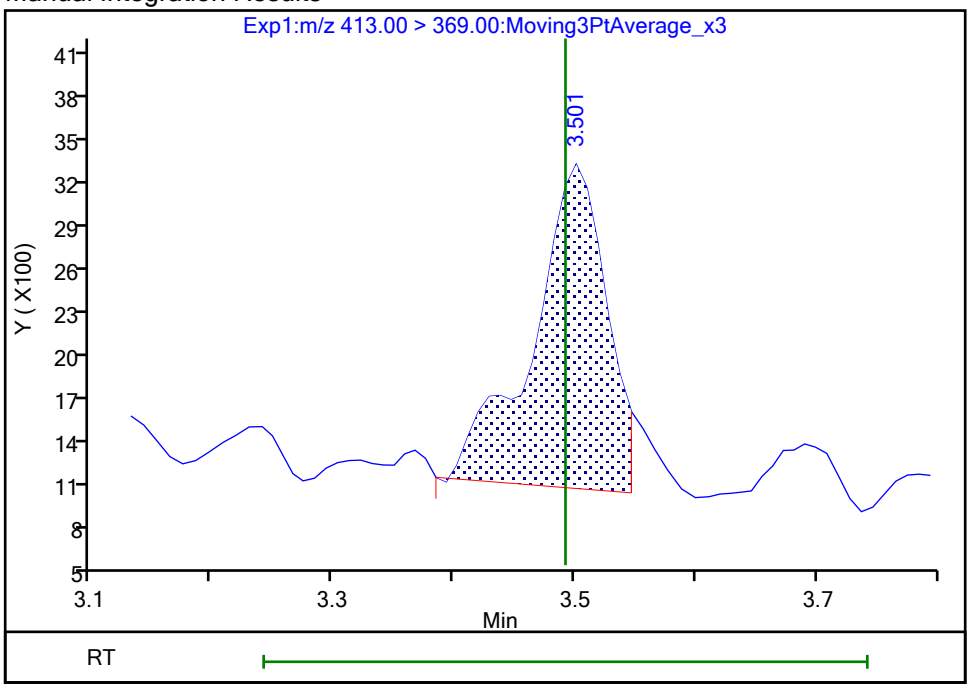
Not Detected
Expected RT: 3.49

Processing Integration Results



Manual Integration Results

RT: 3.50
Area: 9224
Amount: 0.008433
Amount Units: ng/ml



Reviewer: deannd, 04-Mar-2021 10:15:51
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

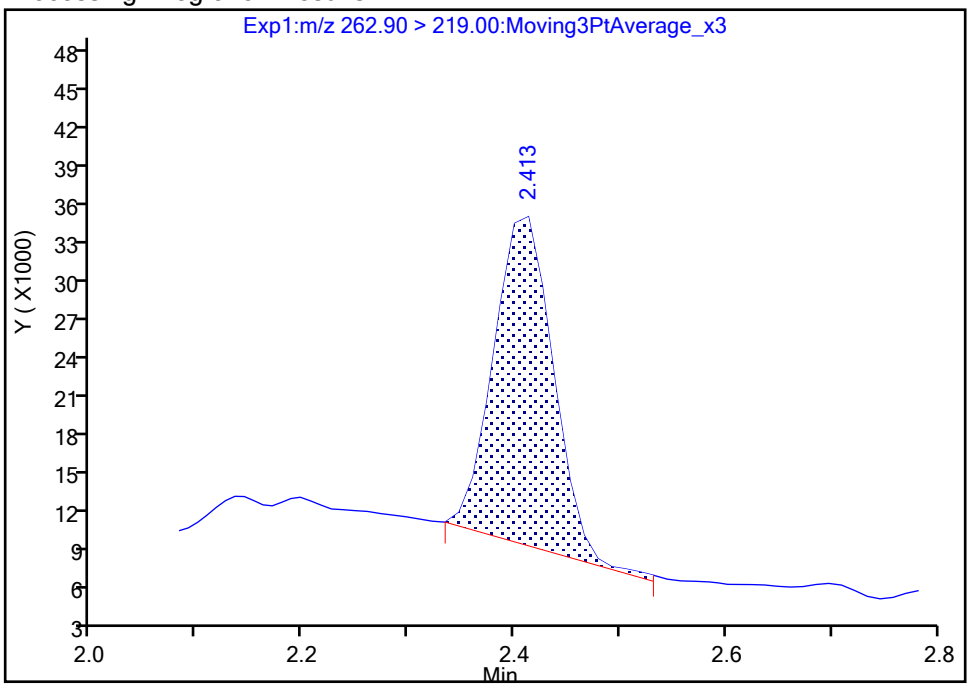
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B21.d				
Injection Date:	03-Mar-2021 21:43:55	Instrument ID:	LC812		
Lims ID:	480-181441-A-10-A	Lab Sample ID:	200-181441-10		
Client ID:	MW-4S-022221				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

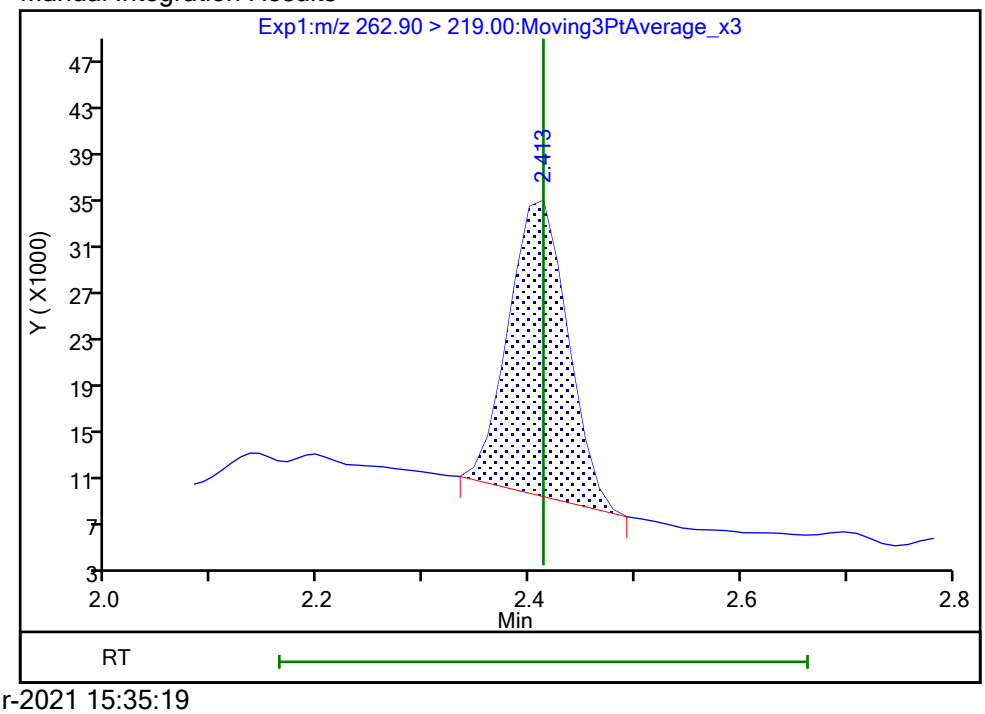
Processing Integration Results

RT: 2.41
Area: 99883
Amount: 0.090632
Amount Units: ng/ml



Manual Integration Results

RT: 2.41
Area: 98016
Amount: 0.088938
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:35:19

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

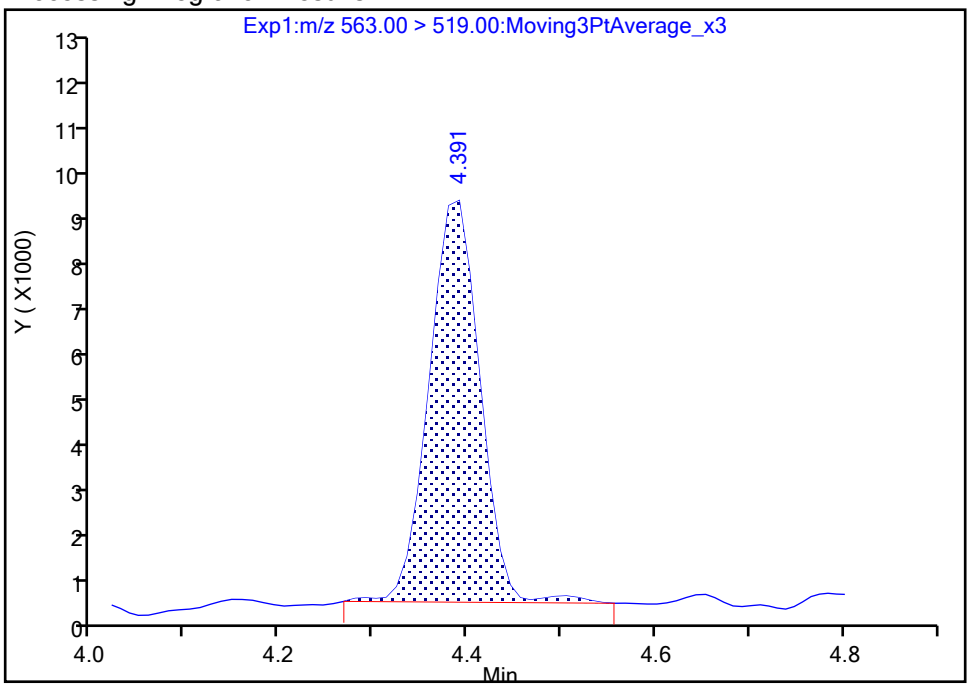
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B21.d				
Injection Date:	03-Mar-2021 21:43:55	Instrument ID:	LC812		
Lims ID:	480-181441-A-10-A	Lab Sample ID:	200-181441-10		
Client ID:	MW-4S-022221				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

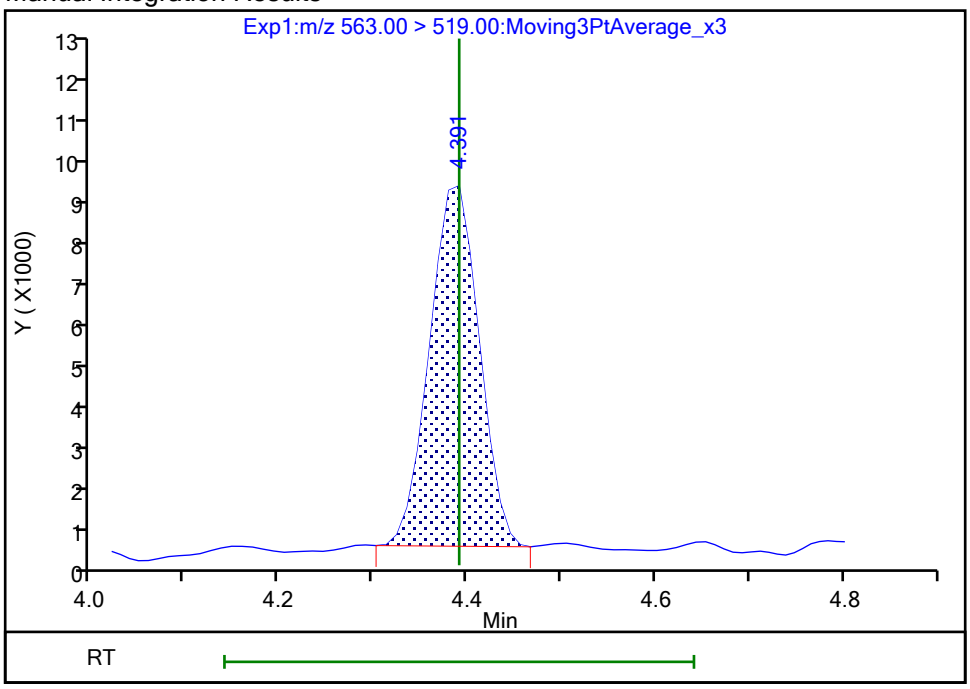
Processing Integration Results

RT: 4.39
Area: 32189
Amount: 0.055387
Amount Units: ng/ml



Manual Integration Results

RT: 4.39
Area: 31022
Amount: 0.053379
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:37:39

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Client Sample ID: MW-6S-022221 Lab Sample ID: 480-181441-11

Matrix: Water Lab File ID: PA210303B22.d

Analysis Method: 537 (modified) Date Collected: 02/22/2021 13:20

Extraction Method: 3535 Date Extracted: 03/03/2021 08:24

Sample wt/vol: 289.4(mL) Date Analyzed: 03/03/2021 21:52

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 164492 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
39108-34-4	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.7	0.57
27619-97-2	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	4.2	J	4.3	0.62
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.3	0.80
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.3	0.68
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		1.7	0.54
375-22-4	Perfluorobutanoic acid (PFBA)	2.0	J	4.3	0.98
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.41
335-76-2	Perfluorodecanoic acid (PFDA)	ND		1.7	0.40
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		1.7	0.40
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.7	0.34
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		1.7	0.40
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		1.7	0.58
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		1.7	0.72
375-95-1	Perfluorononanoic acid (PFNA)	ND		1.7	0.50
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND		1.7	0.49
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		1.7	0.75
335-67-1	Perfluorooctanoic acid (PFOA)	ND		1.7	0.85
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		1.7	0.93
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		1.7	0.51
72629-94-8	Perfluorotridecanoic acid (PFTriA)	ND		1.7	0.37
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.63

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Client Sample ID: MW-6S-022221 Lab Sample ID: 480-181441-11

Matrix: Water Lab File ID: PA210303B22.d

Analysis Method: 537 (modified) Date Collected: 02/22/2021 13:20

Extraction Method: 3535 Date Extracted: 03/03/2021 08:24

Sample wt/vol: 289.4(mL) Date Analyzed: 03/03/2021 21:52

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 164492 Units: ng/L

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00996	13C2 PFDA	91		50-150
STL00998	13C2 PFDoA	76		50-150
STL00993	13C2 PFHxA	103		50-150
STL02116	13C2 PFTeDA	73		50-150
STL00997	13C2 PFUnA	81		50-150
STL02337	13C3 PFBS	102		50-150
STL00992	13C4 PFBA	91		25-150
STL01892	13C4 PFHpA	101		50-150
STL00990	13C4 PFOA	103		50-150
STL00991	13C4 PFOS	101		50-150
STL00995	13C5 PFNA	103		50-150
STL01893	13C5 PFPeA	102		25-150
STL01056	13C8 FOSA	86		25-150
STL00994	18O2 PFHxS	105		50-150
STL02118	d3-NMeFOSAA	80		50-150
STL02117	d5-NEtFOSAA	86		50-150
STL02279	M2-6:2 FTS	102		25-150
STL02280	M2-8:2 FTS	95		25-150

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B22.d
Lims ID: 480-181441-A-11-A
Client ID: MW-6S-022221
Sample Type: Client
Inject. Date: 03-Mar-2021 21:52:13 ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: 480-181441-A-11-A
Misc. Info.: 200-0045034-022 Plate: 1 Rack: 2
Operator ID: lc812tech Instrument ID: LC812

Method: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 04-Mar-2021 11:31:15 Calib Date: 22-Dec-2020 13:29:37
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1647

First Level Reviewer: khanphomeea Date: 04-Mar-2021 15:40:54
Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.082	2.091	-0.009	0.596	1237210	1.13		90.7	7831	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.082	2.091	-0.009	1.000	56430	0.0569			7.8	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.400	2.413	-0.013	0.687	1006439	1.28		102	1948	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.400	2.413	-0.013	1.000	19178	0.0215			0.5	M
D 47 13C3 PFBS										
301.90 > 80.00	2.426	2.439	-0.013	0.695	1231087	1.19		102	91285	
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.426	2.439	-0.013	1.000	3646	0.003043	Target=2.21		0.7	
298.90 > 99.00	2.426	2.439	-0.013	1.000	1490		2.45(1.11-3.32)		0.5	
D 7 13C2 PFHxA										
315.00 > 270.00	2.758	2.770	-0.012	0.790	1063533	1.29		103	2808	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.758	2.770	-0.012	1.000	17293	0.0186	Target=12.83		1.8	M
313.00 > 119.00	2.758	2.770	-0.012	1.000	1590		10.88(6.42-19.25)		1.8	M
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.132	3.132	0.0	1.000	5516	0.005795	Target=4.15		5.0	M
399.00 > 99.00	3.143	3.132	0.011	1.003	1109		4.97(2.08-6.23)		1.5	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.132	3.132	0.0	0.897	955094	1.24		105	2973	
D 9 13C4 PFHpA										
367.00 > 322.00	3.132	3.143	-0.011	0.897	1003333	1.27		101	2809	
10 Perfluoroheptanoic acid										RM
363.00 > 319.00	3.143	3.143	0.0	1.003	9403	0.0107	Target=3.66		1.3	R
363.00 > 169.00	3.143	3.143	0.0	1.003	1571		5.99(1.83-5.49)		3.8	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 12 M2-6:2 FTS										
429.00 > 81.00	3.483	3.483	0.0	0.997	116300	1.21		102	254	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.483	3.483	0.0	1.000	13278	0.1219			264	
D 14 13C4 PFOA										
417.00 > 372.00	3.492	3.492	0.0	1.000	1035744	1.29		103	3479	
* 62 13C2 PFOA										
415.00 > 370.00	3.492	3.492	0.0		1015653	1.25			5492	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.501	3.492	0.009	1.003	7999	0.008906	Target=2.58		1.6	
413.00 > 169.00	3.492	3.492	0.0	1.000	3707		2.16(1.29-3.87)		12.9	M
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.804	3.804	0.0	1.000	3730	0.006064	Target=5.65		0.9	M
499.00 > 99.00	3.814	3.804	0.010	1.003	1050		3.55(2.82-8.47)		3.5	M
D 18 13C4 PFOS										
503.00 > 80.00	3.804	3.804	0.0	1.089	639097	1.20		101	1377	
D 19 13C5 PFNA										
468.00 > 423.00	3.824	3.825	-0.001	1.095	912309	1.29		103	3344	
D 23 13C2 PFDA										
515.00 > 470.00	4.126	4.126	0.0	1.182	770484	1.14		90.9	3159	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.137	4.137	0.0	1.185	113432	1.14		95.2	439	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.149	4.137	0.012	1.003	46	0.000714			1.6	M
D 21 13C8 FOSA										
506.00 > 78.00	4.215	4.225	-0.010	1.207	1072896	1.08		86.1	6354	
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.215	4.225	-0.010	1.000	1424	0.001656			13.8	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.268	4.268	0.0	1.222	49365	1.00		80.3	555	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.257	4.268	-0.011	0.997	127	0.003628			1.6	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.358	4.358	0.0	1.146	864	0.002362	Target=2.80		6.1	M
599.00 > 99.00	4.369	4.358	0.011	1.148	310		2.79(1.40-4.19)		2.3	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.391	4.391	0.0	1.257	562397	1.01		80.8	3210	
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.380	4.391	-0.011	0.997	2758	0.006011	Target=8.12		1.9	M
563.00 > 169.00	4.402	4.391	0.011	1.003	323		8.54(4.06-12.18)		7.3	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.402	4.402	0.0	1.261	50862	1.07		85.6	620	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.358	4.402	-0.044	0.990	117	0.003106			3.2	M
D 36 13C2 PFDoA										
615.00 > 570.00	4.611	4.612	-0.001	1.320	557815	0.9485		75.9	3981	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
41 Perfluorotridecanoic acid										RM
663.00 > 619.00	4.822	4.823	-0.001	1.046	825	0.002071	Target=4.39		0.6	RM
663.00 > 169.00	4.822	4.823	-0.001	1.046	52		15.87(2.20-6.59)		2.0	M
D 43 13C2 PFTeDA										
715.00 > 670.00	5.014	5.005	0.009	1.436	394800	0.9077		72.6	3881	
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.014	5.005	0.009	1.000	255	0.004354	Target=1.06		6.1	M
713.00 > 219.00	4.995	5.005	-0.010	0.996	229		1.11(0.53-1.59)		7.4	M

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Report Date: 04-Mar-2021 11:31:32 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B22.d

Injection Date: 03-Mar-2021 21:52:13 Instrument ID: LC812

Lims ID: 480-181441-A-11-A Lab Sample ID: 200-181441-11

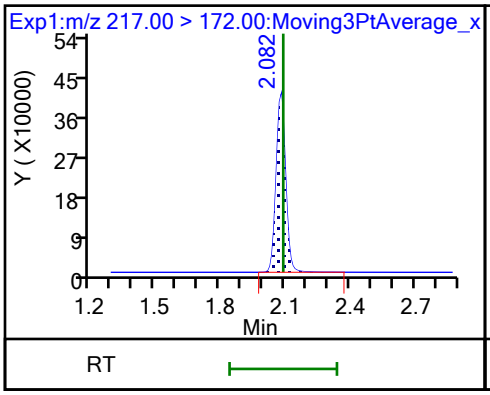
Client ID: MW-6S-022221

Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22

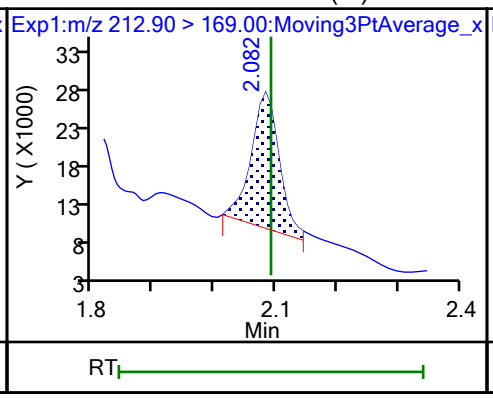
Injection Vol: 20.0 ul Dil. Factor: 1.0000

Method: PFC_LC812 Limit Group: LC_PFC_ICAL

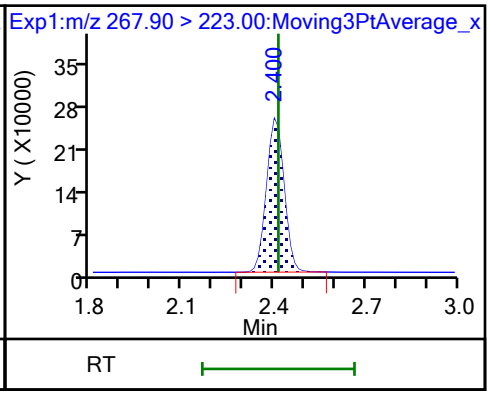
D 1 13C4 PFBA



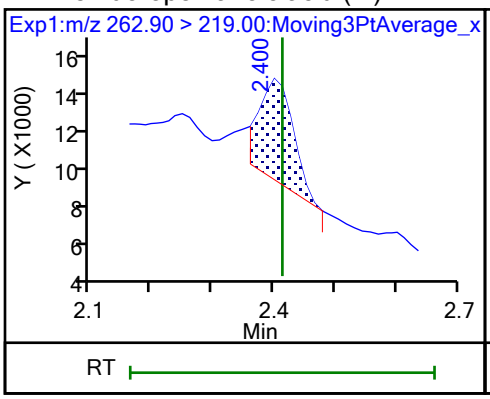
2 Perfluorobutanoic acid (M)



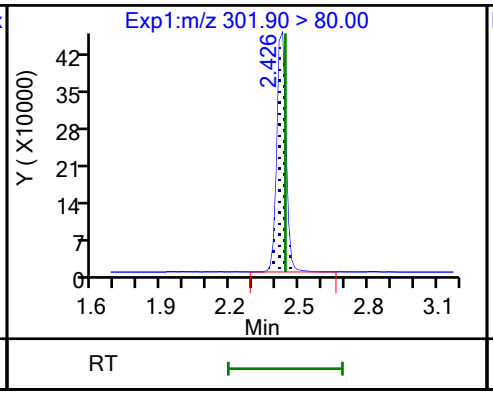
D 3 13C5 PFPeA



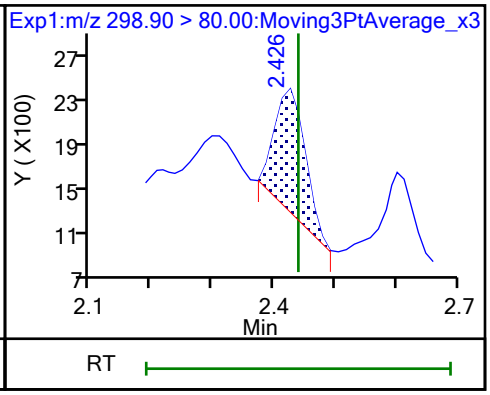
4 Perfluoropentanoic acid (M)



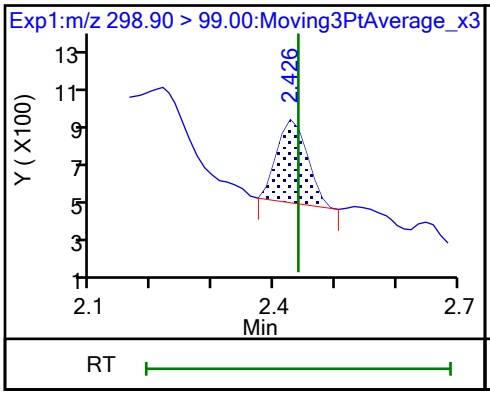
D 47 13C3 PFBS



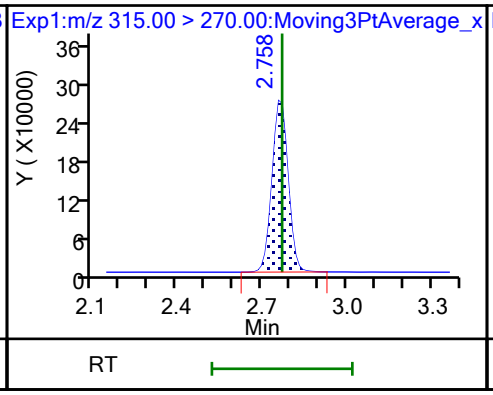
5 Perfluorobutanesulfonic acid



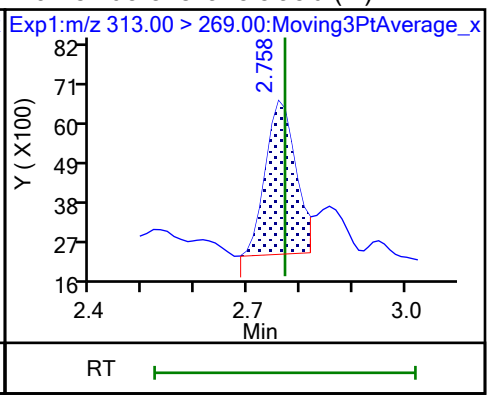
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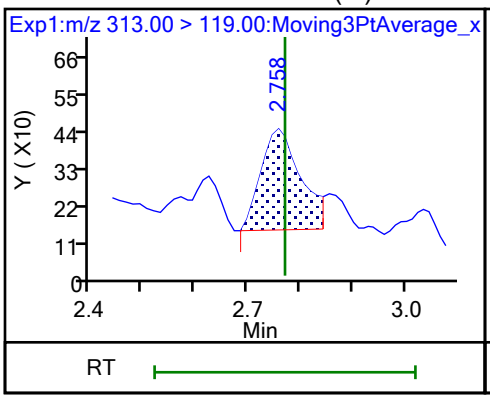
D 7 13C2 PFHxA



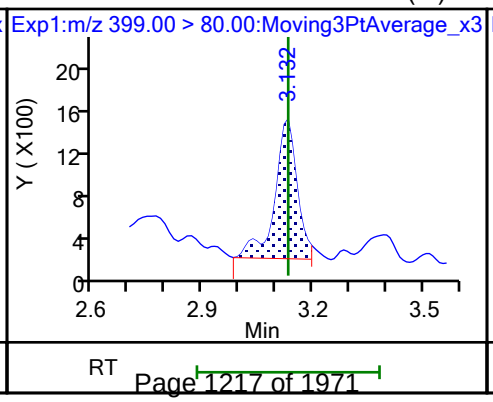
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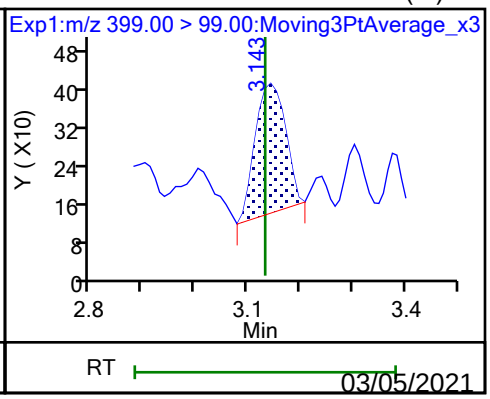
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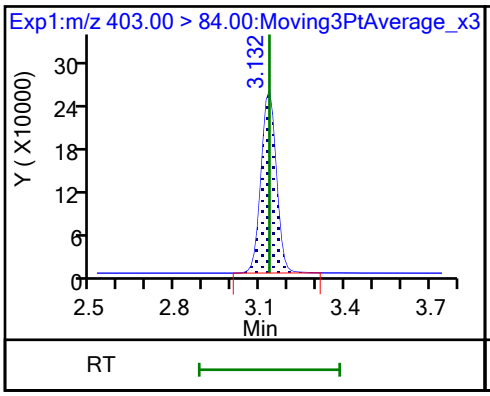
8 Perfluorohexanesulfonic acid (M)



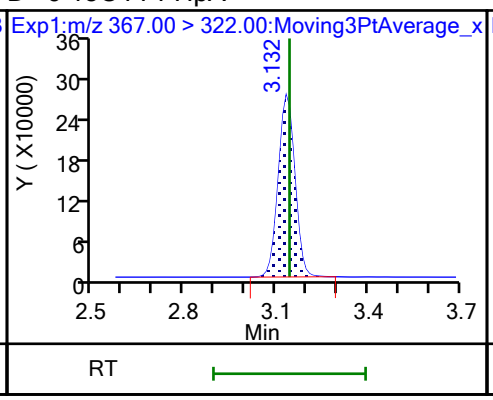
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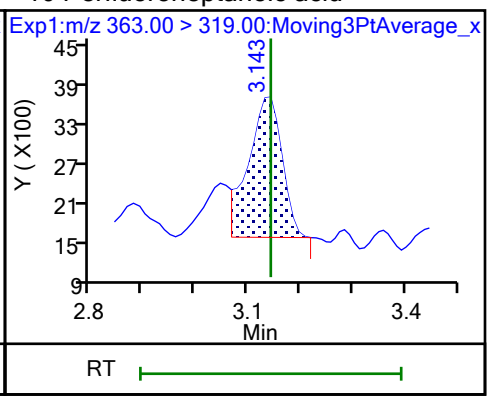
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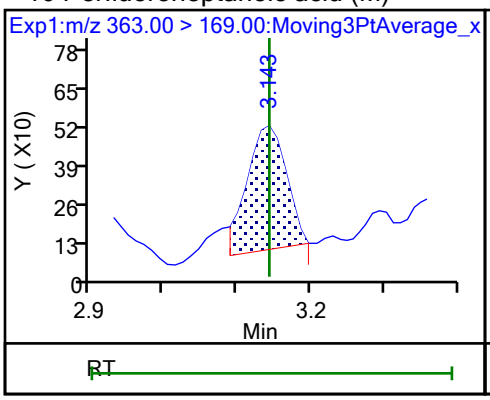
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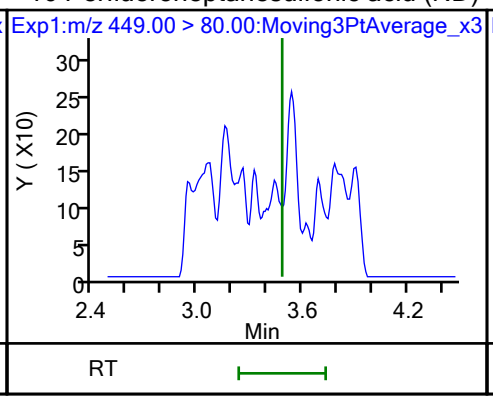
10 Perfluoroheptanoic acid



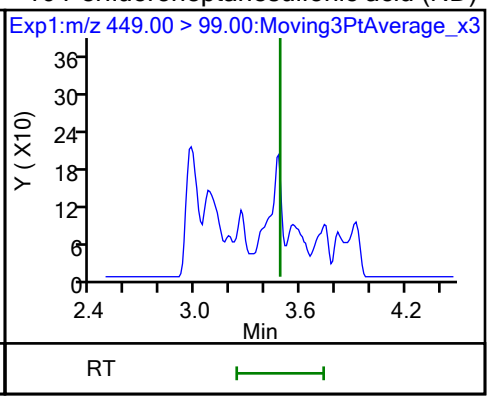
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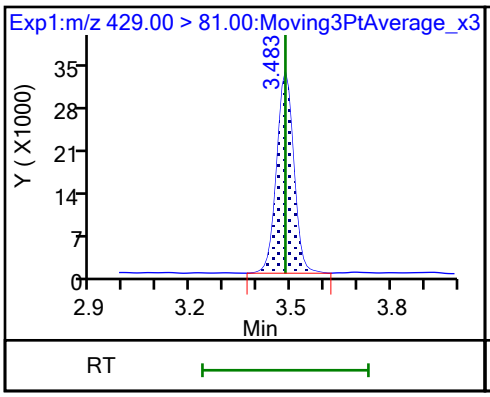
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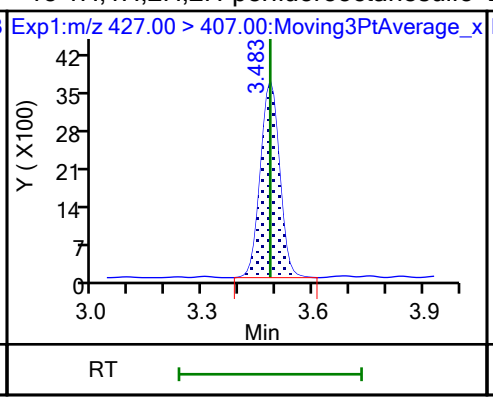
16 Perfluoroheptanesulfonic acid (ND)



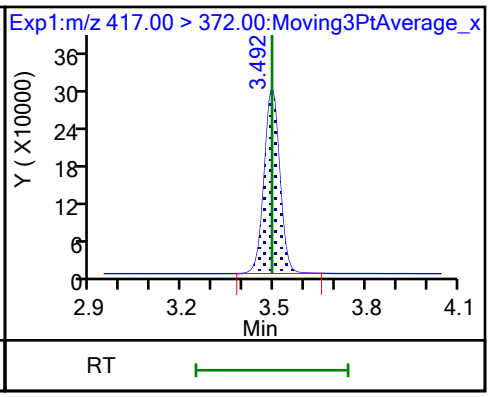
D 12 M2-6:2 FTS



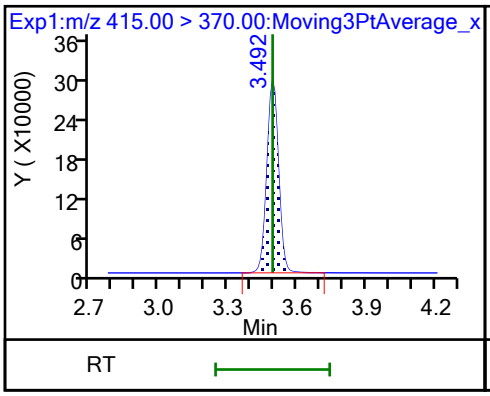
13 1H,1H,2H,2H-perfluorooctanesulfo



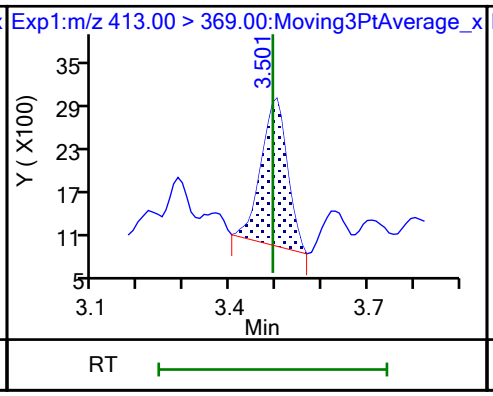
D 14 13C4 PFOA



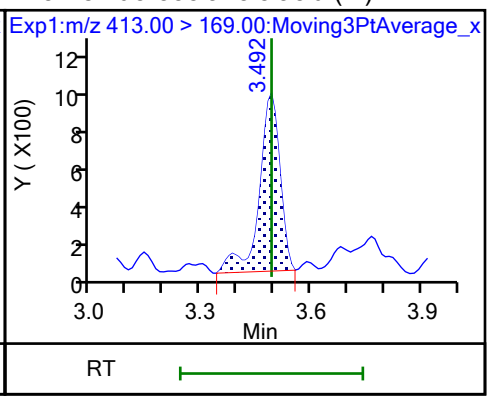
* 62 13C2 PFOA



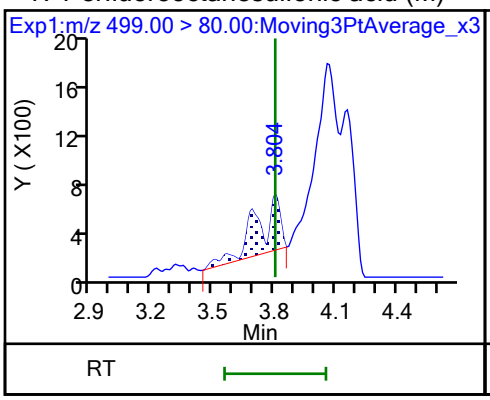
15 Perfluorooctanoic acid



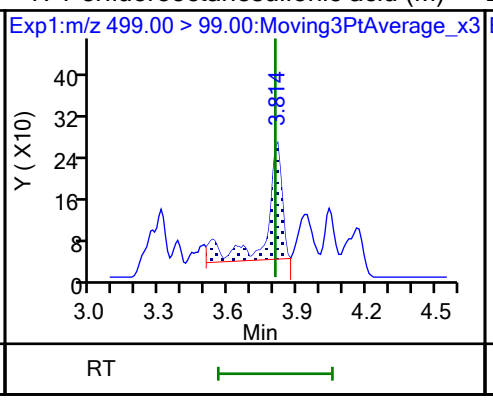
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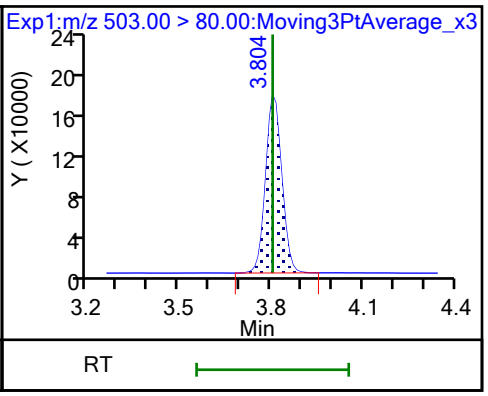
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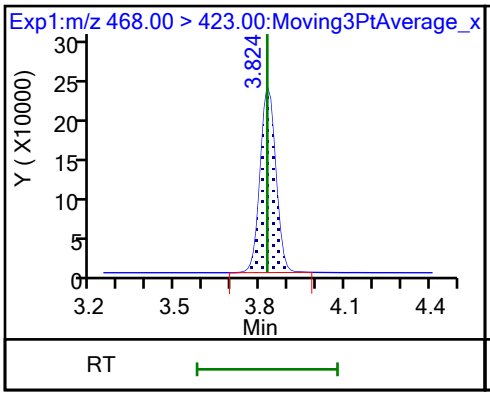
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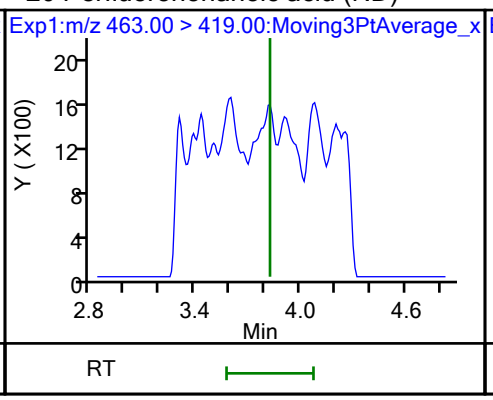
D 18 13C4 PFOS



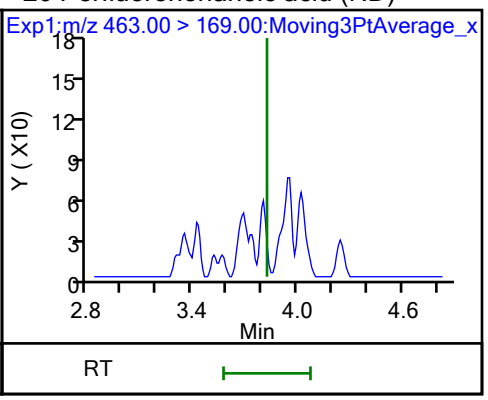
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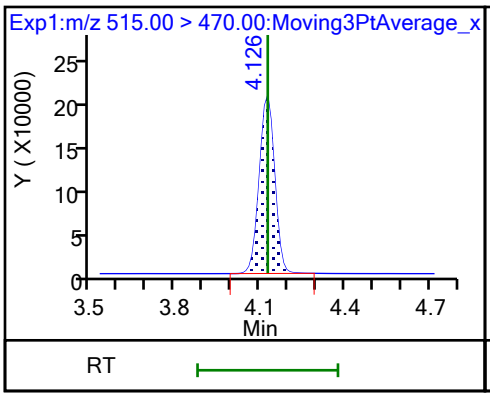
20 Perfluorononanoic acid (ND)



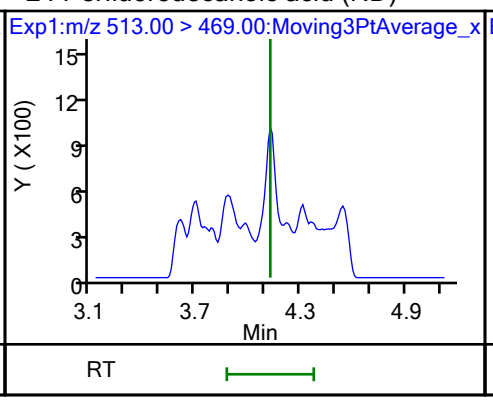
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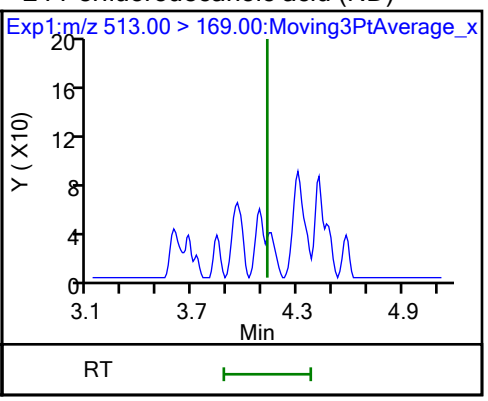
D 23 13C2 PFDA



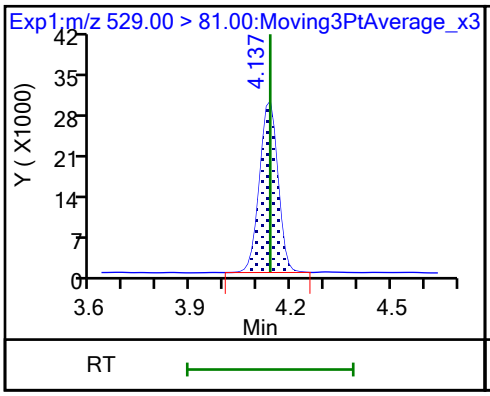
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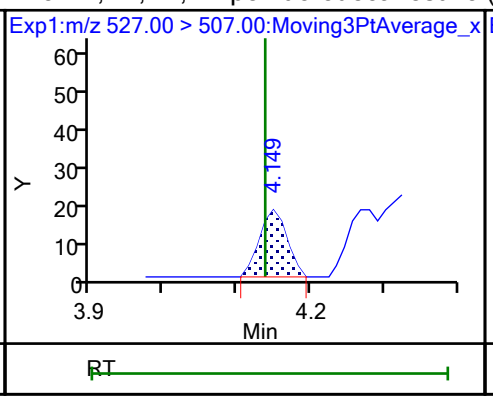
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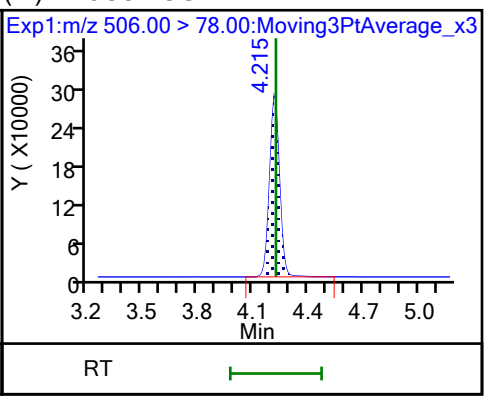
D 26 M2-8:2 FTS



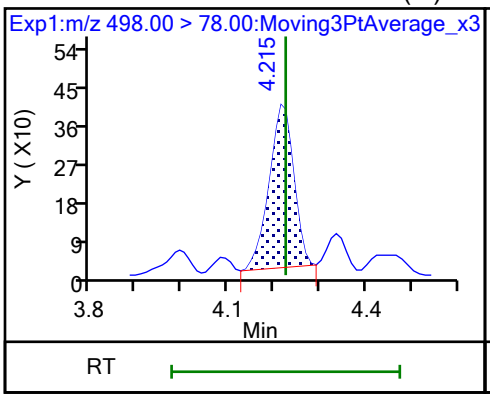
25 1H,1H,2H,2H-perfluorodecanesulfo (M)



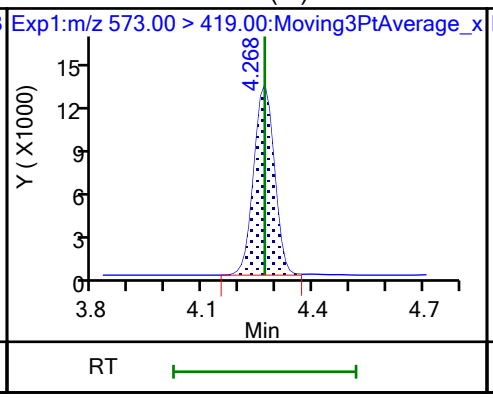
D 21 13C8 FOSA



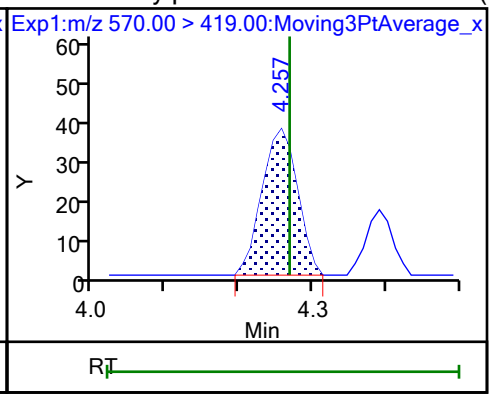
22 Perfluorooctanesulfonamide (M)



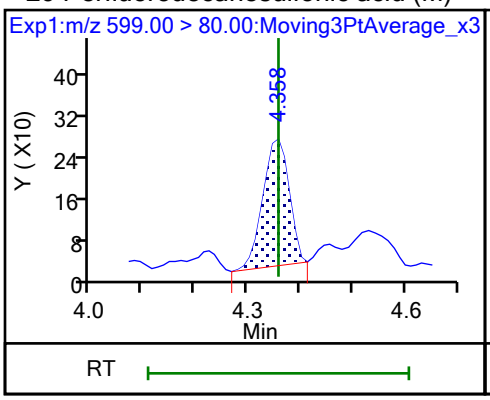
D 27 d3-NMeFOSAA (M)



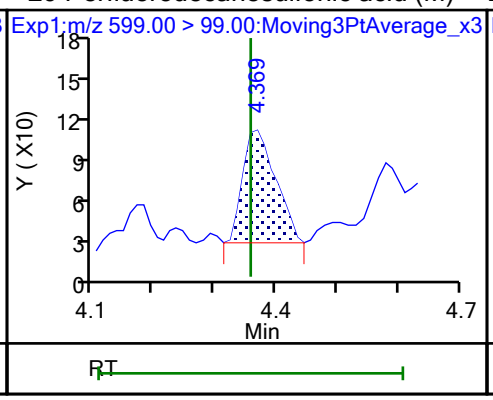
28 N-methylperfluorooctanesulfonami (M)



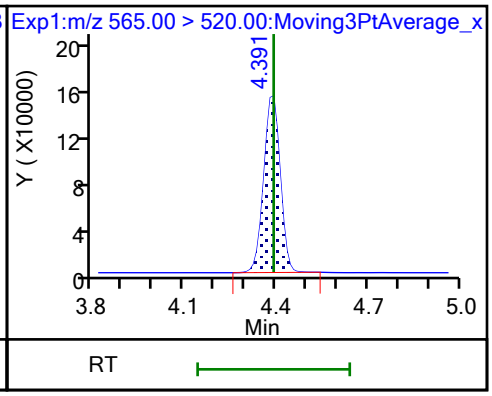
29 Perfluorodecanesulfonic acid (M)



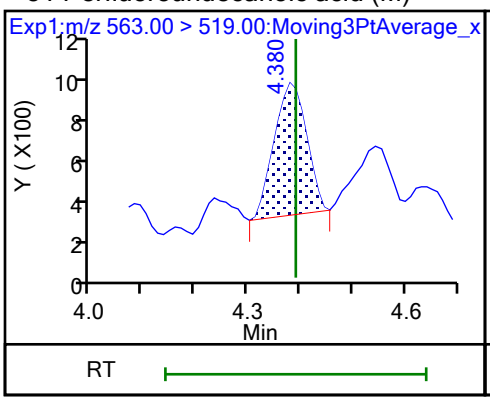
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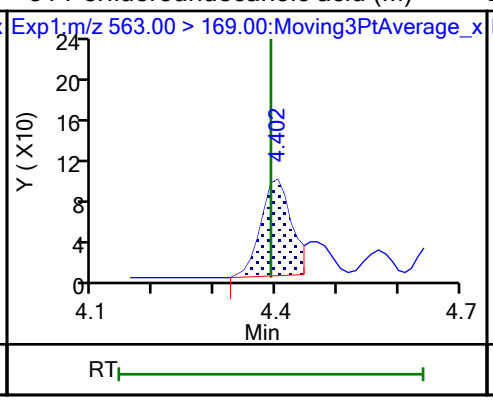
D 30 13C2 PFUnA



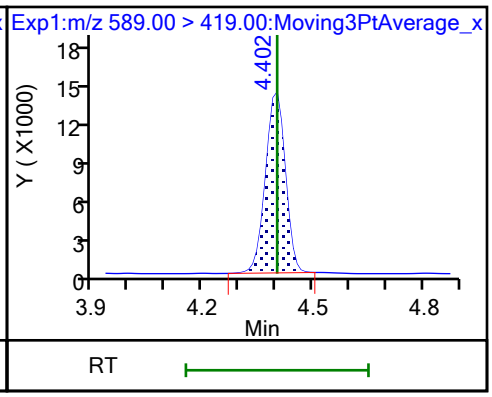
31 Perfluoroundecanoic acid (M)



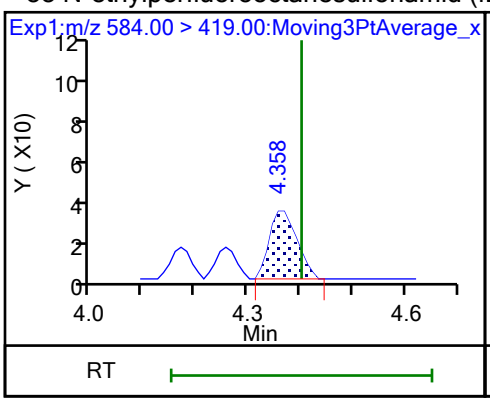
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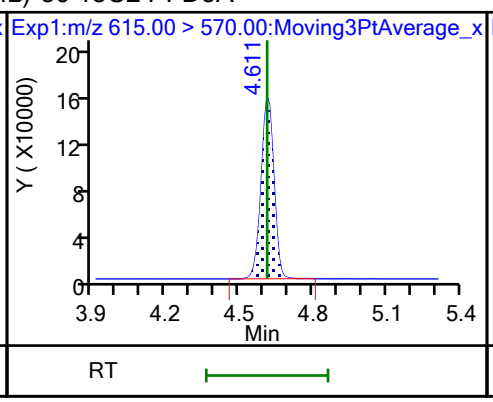
D 32 d5-NEtFOSAA



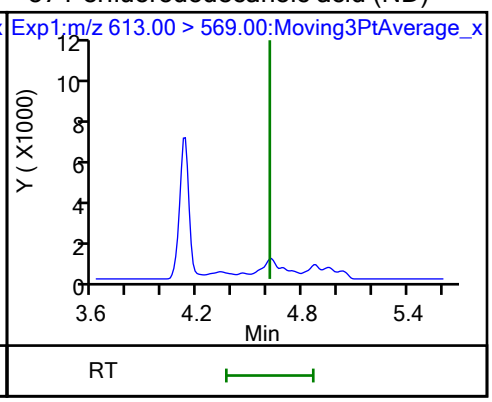
33 N-ethylperfluorooctanesulfonamid (ND)



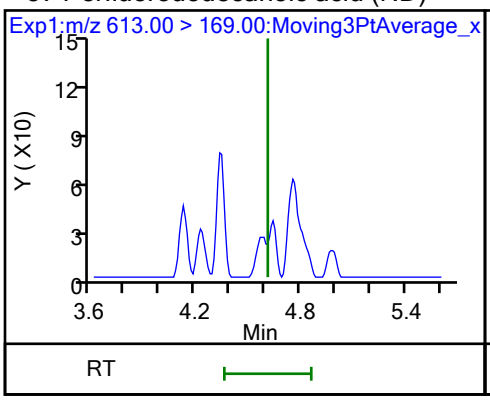
D 36 13C2 PFDoA



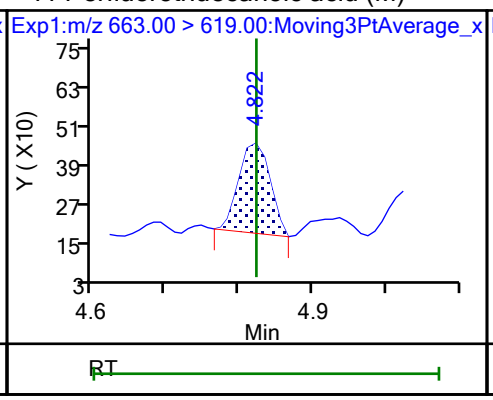
37 Perfluorododecanoic acid (ND)



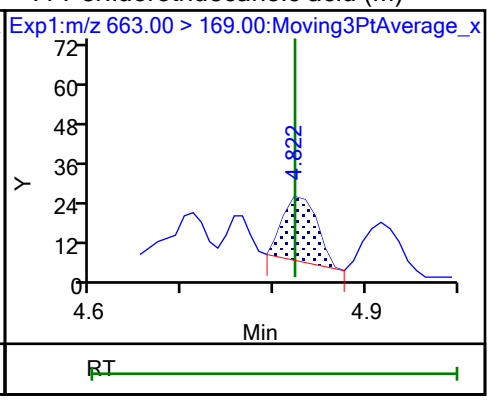
37 Perfluorododecanoic acid (ND)



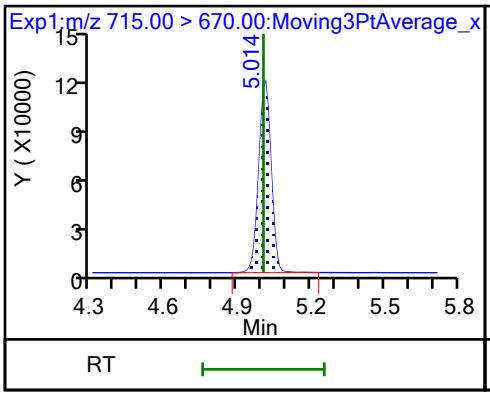
41 Perfluorotridecanoic acid (M)



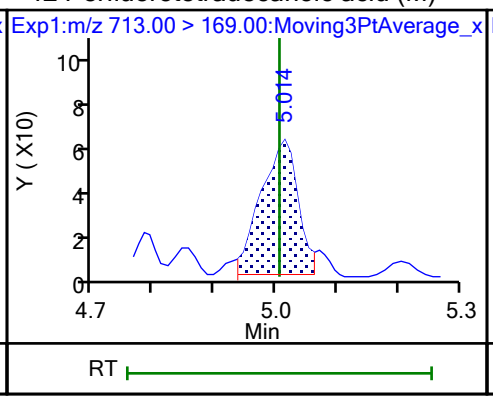
41 Perfluorotridecanoic acid (M)



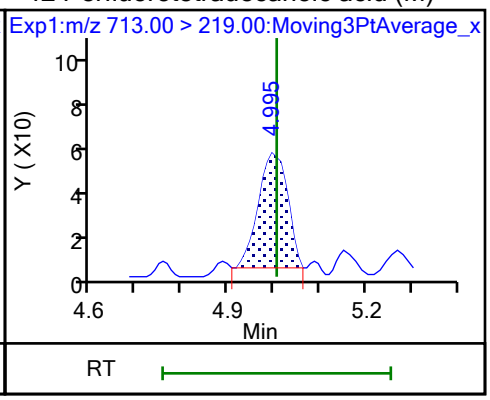
D 43 13C2 PFTeDA



42 Perfluorotetradecanoic acid (M)



42 Perfluorotetradecanoic acid (M)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

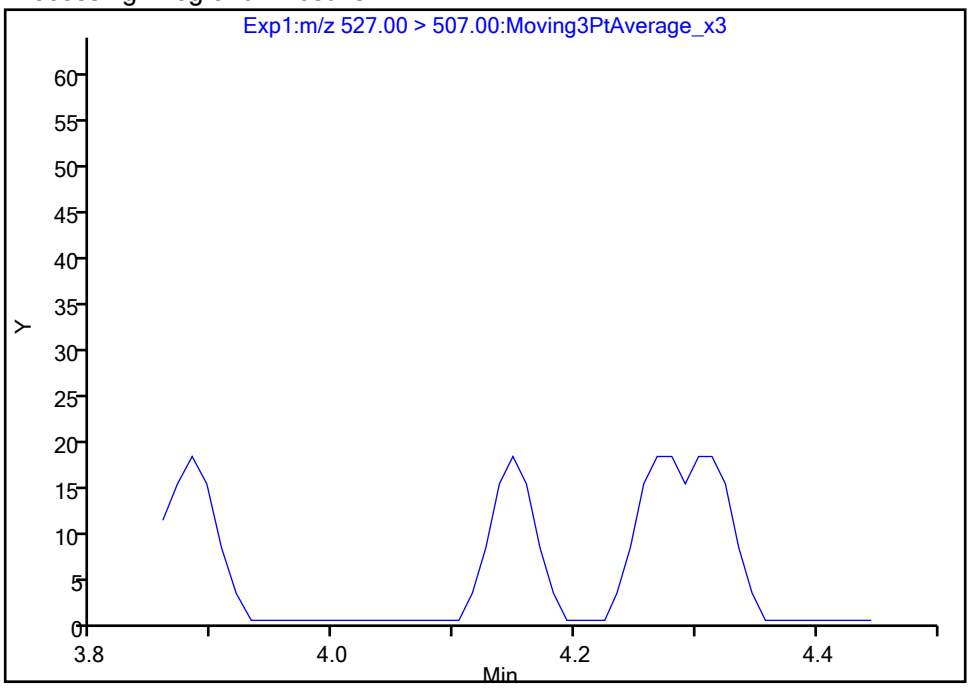
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B22.d				
Injection Date:	03-Mar-2021 21:52:13	Instrument ID:	LC812		
Lims ID:	480-181441-A-11-A	Lab Sample ID:	200-181441-11		
Client ID:	MW-6S-022221				
Operator ID:	lc812tech	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

25 1H,1H,2H,2H-perfluorodecanesulfo, CAS: 39108-34-4

Signal: 1

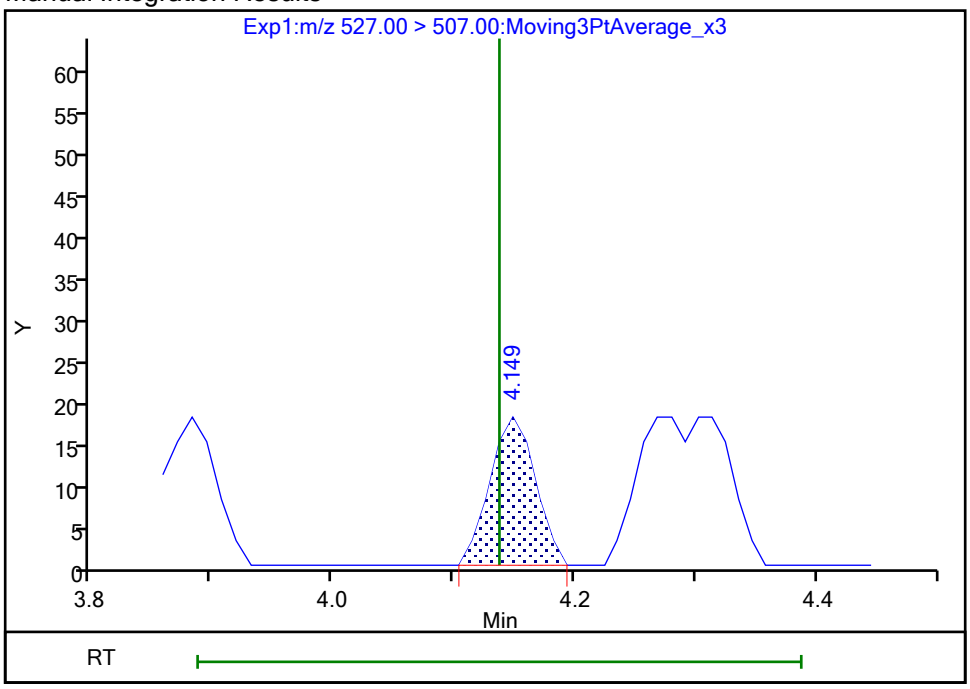
Not Detected
Expected RT: 4.14

Processing Integration Results



Manual Integration Results

RT: 4.15
Area: 46
Amount: 0.000714
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:39:52
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

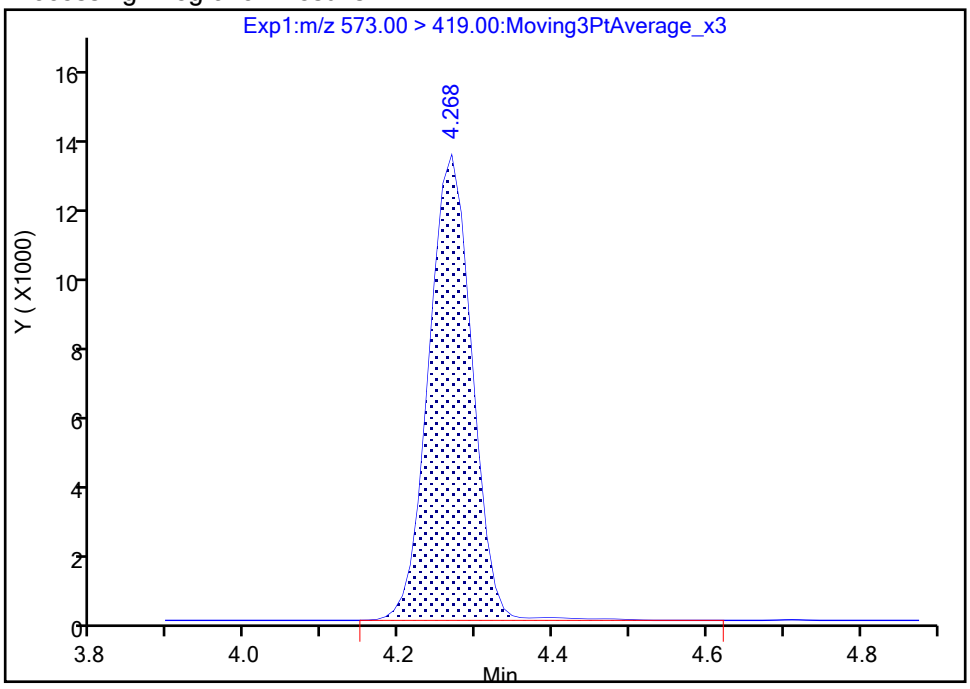
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Injection Date:	03-Mar-2021 21:52:13	Instrument ID:	LC812		
Lims ID:	480-181441-A-11-A	Lab Sample ID:	200-181441-11		
Client ID:	MW-6S-022221				
Operator ID:	lc812tech	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

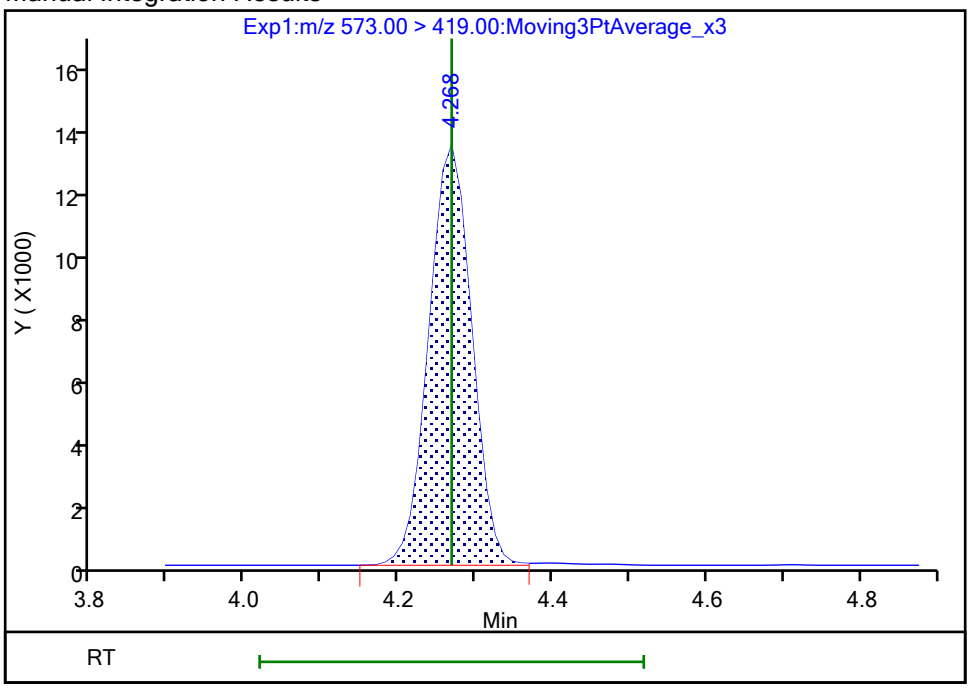
Processing Integration Results

RT: 4.27
Area: 49717
Amount: 1.010750
Amount Units: ng/ml



Manual Integration Results

RT: 4.27
Area: 49365
Amount: 1.003594
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:38:03
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

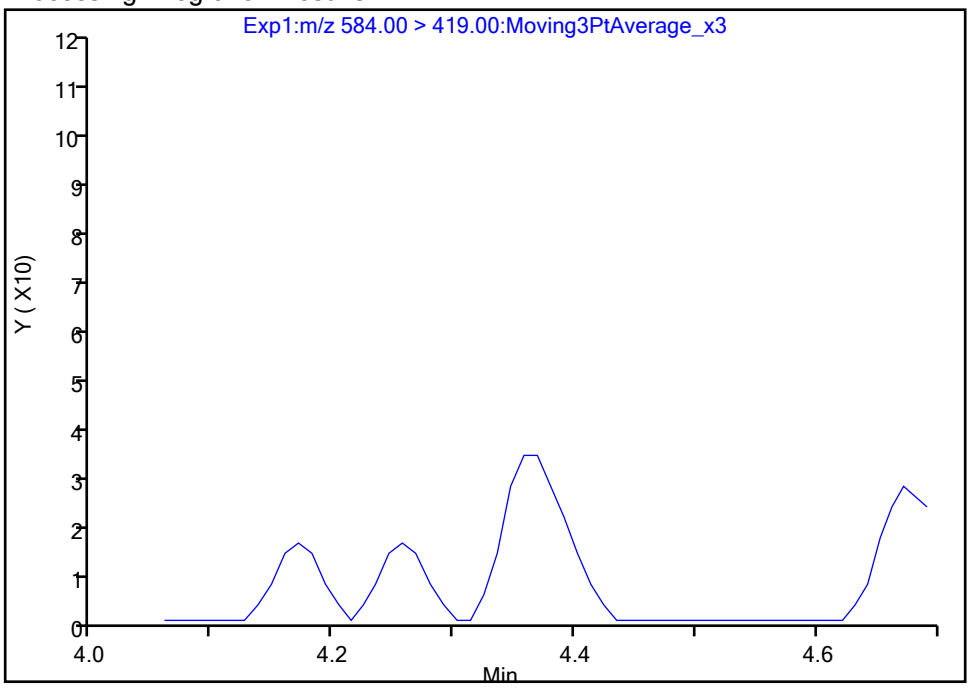
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B22.d				
Injection Date:	03-Mar-2021 21:52:13	Instrument ID:	LC812		
Lims ID:	480-181441-A-11-A	Lab Sample ID:	200-181441-11		
Client ID:	MW-6S-022221				
Operator ID:	lc812tech	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

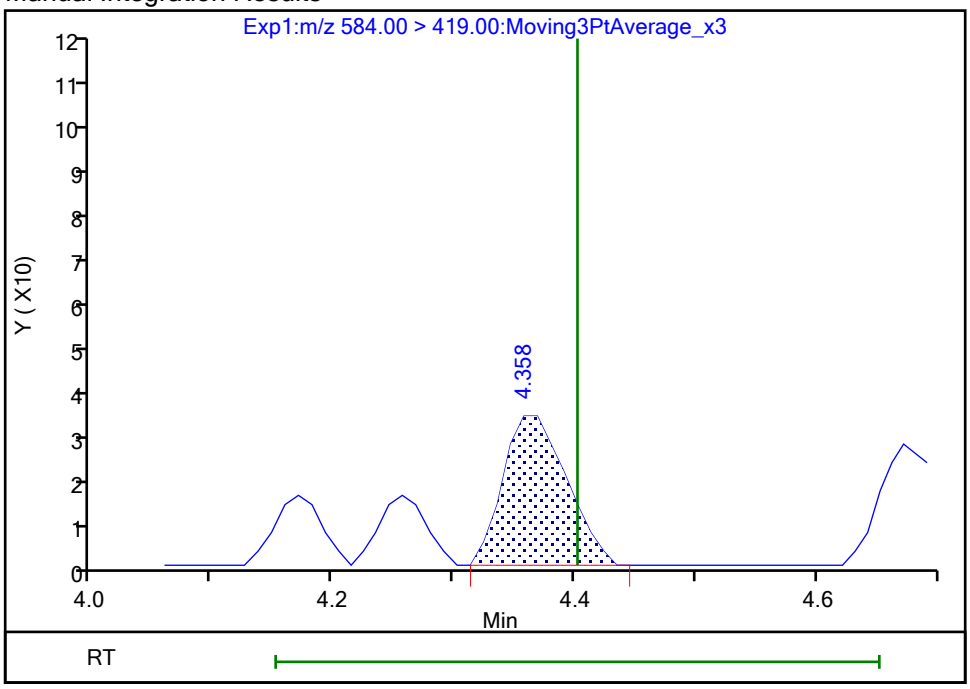
Not Detected
Expected RT: 4.40

Processing Integration Results



Manual Integration Results

RT: 4.36
Area: 117
Amount: 0.003106
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:40:21
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

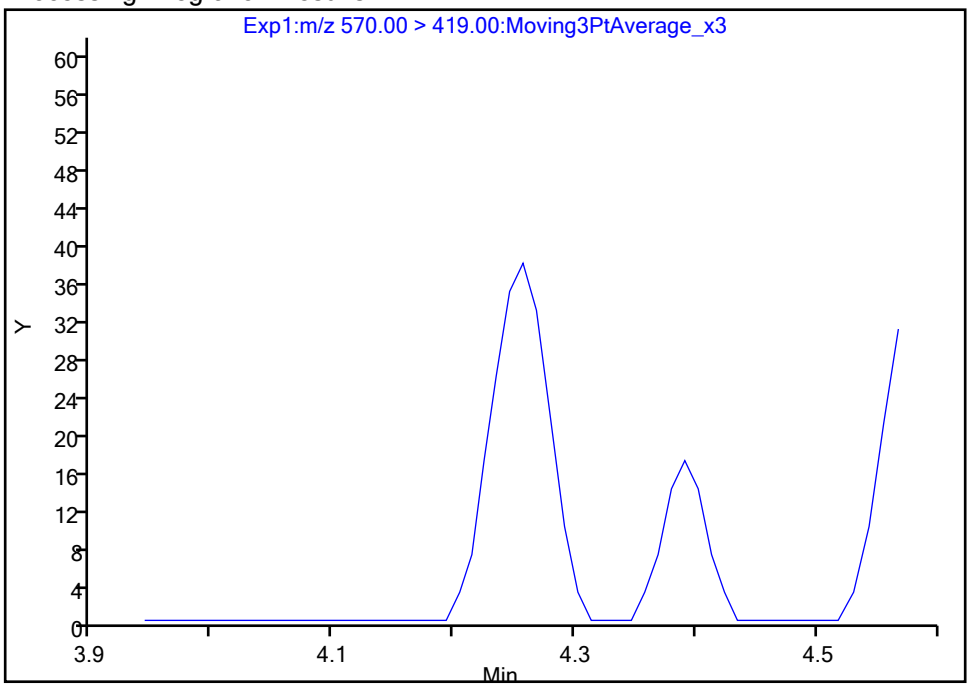
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B22.d				
Injection Date:	03-Mar-2021 21:52:13	Instrument ID:	LC812		
Lims ID:	480-181441-A-11-A	Lab Sample ID:	200-181441-11		
Client ID:	MW-6S-022221				
Operator ID:	lc812tech	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

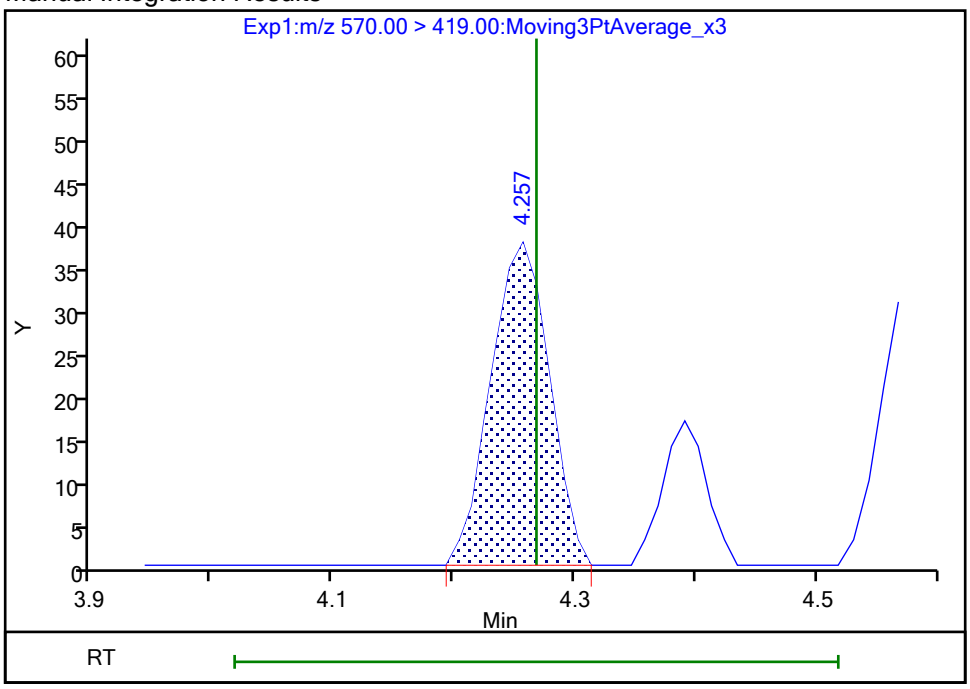
Not Detected
Expected RT: 4.27

Processing Integration Results



Manual Integration Results

RT: 4.26
Area: 127
Amount: 0.003628
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:40:00
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

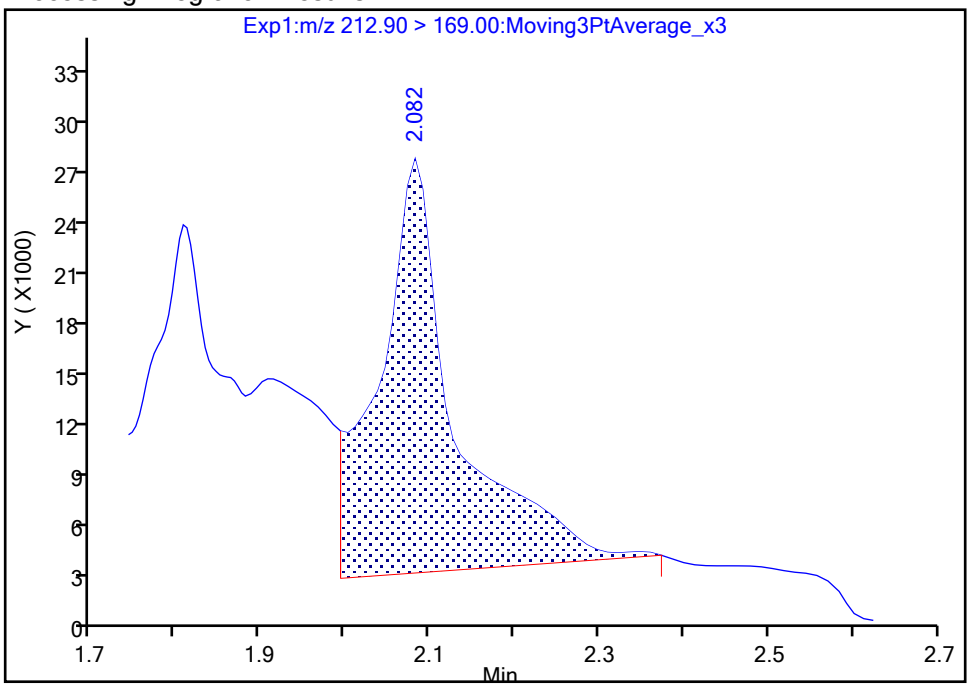
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B22.d				
Injection Date:	03-Mar-2021 21:52:13	Instrument ID:	LC812		
Lims ID:	480-181441-A-11-A	Lab Sample ID:	200-181441-11		
Client ID:	MW-6S-022221				
Operator ID:	lc812tech	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

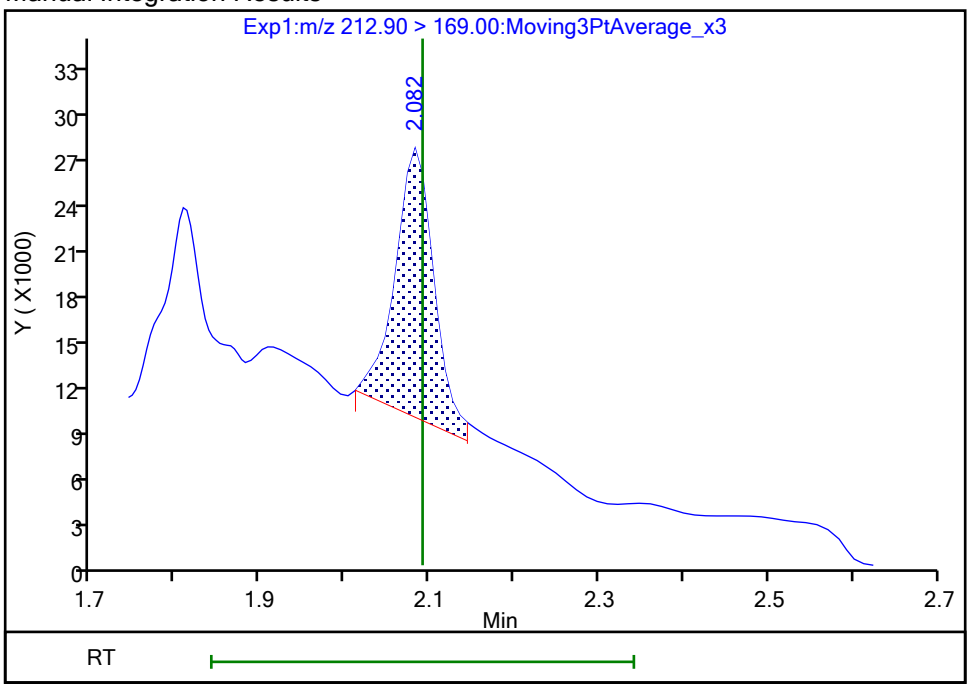
Processing Integration Results

RT: 2.08
Area: 155917
Amount: 0.157213
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 56430
Amount: 0.056899
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:38:19

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

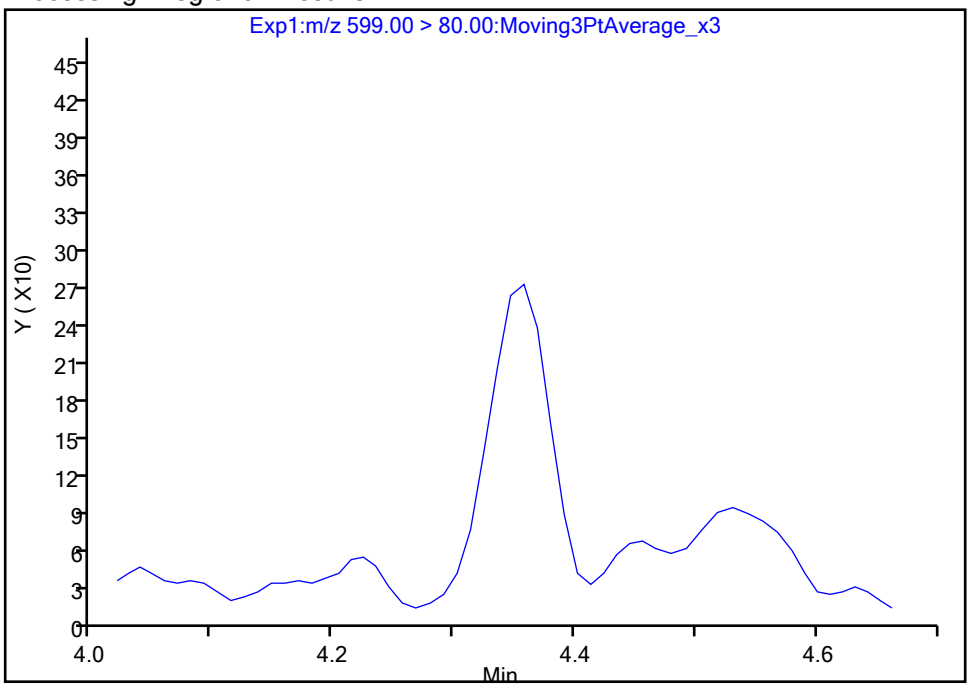
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B22.d				
Injection Date:	03-Mar-2021 21:52:13	Instrument ID:	LC812		
Lims ID:	480-181441-A-11-A	Lab Sample ID:	200-181441-11		
Client ID:	MW-6S-022221				
Operator ID:	lc812tech	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

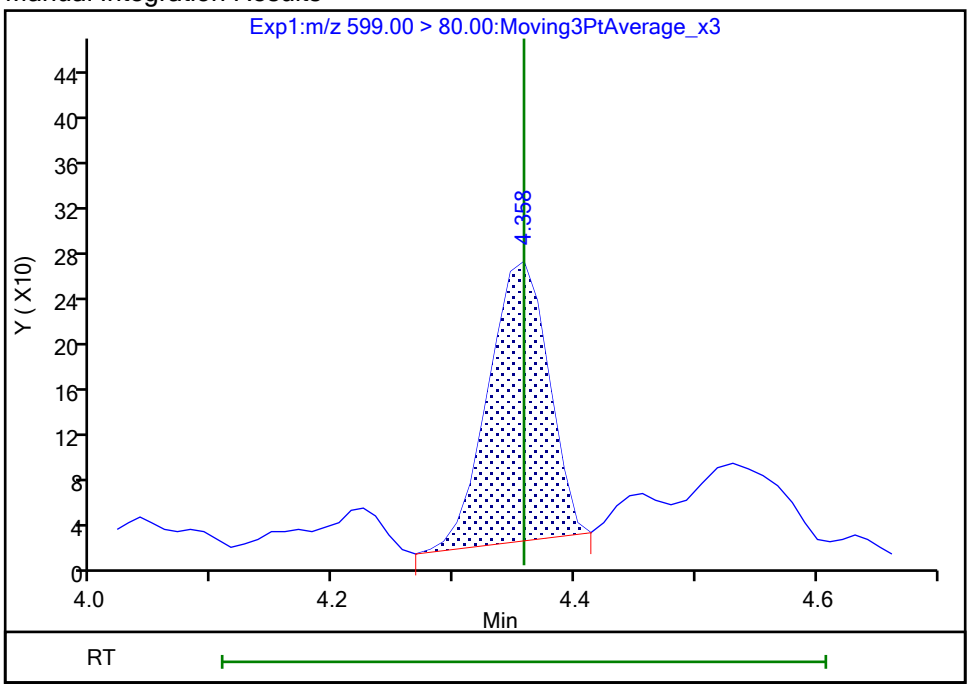
Not Detected
Expected RT: 4.36

Processing Integration Results



Manual Integration Results

RT: 4.36
Area: 864
Amount: 0.002362
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:40:05
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

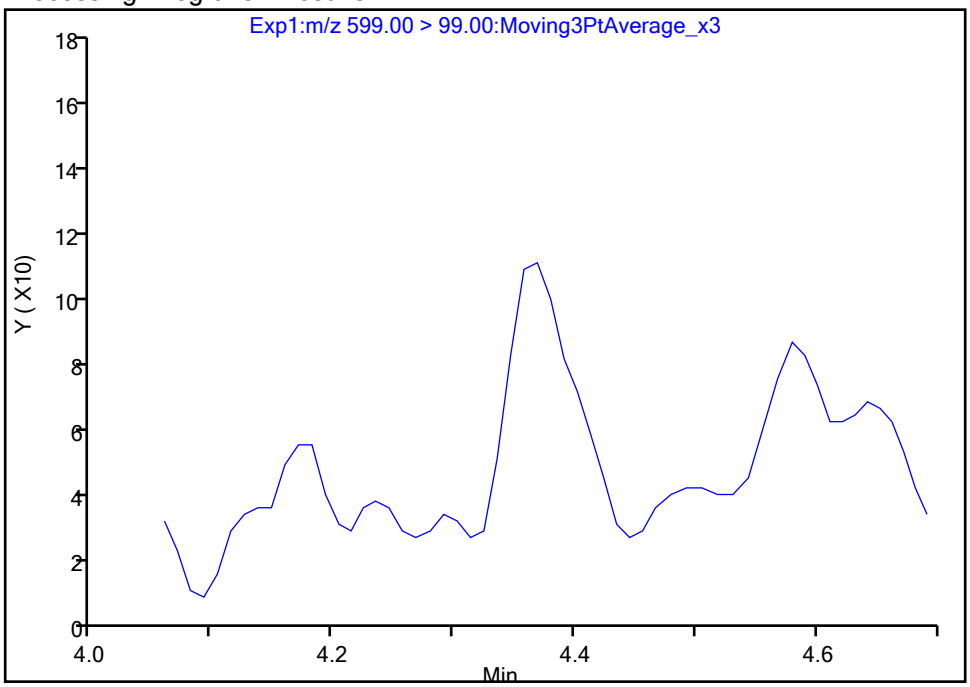
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B22.d				
Injection Date:	03-Mar-2021 21:52:13	Instrument ID:	LC812		
Lims ID:	480-181441-A-11-A	Lab Sample ID:	200-181441-11		
Client ID:	MW-6S-022221				
Operator ID:	lc812tech	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

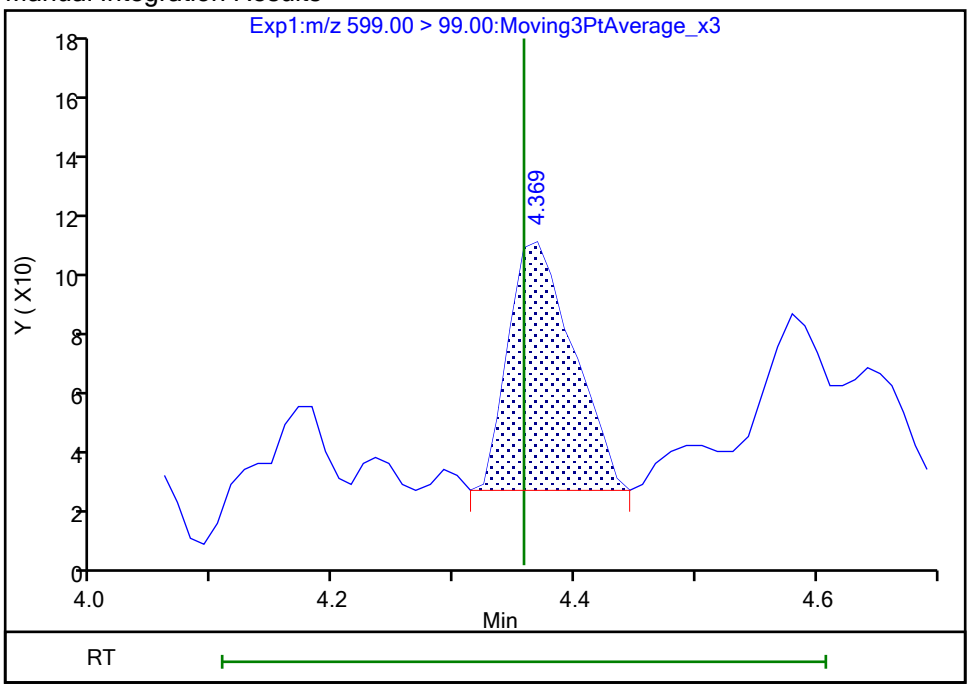
Not Detected
Expected RT: 4.36

Processing Integration Results



Manual Integration Results

RT: 4.37
Area: 310
Amount: 0.002362
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:40:07
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

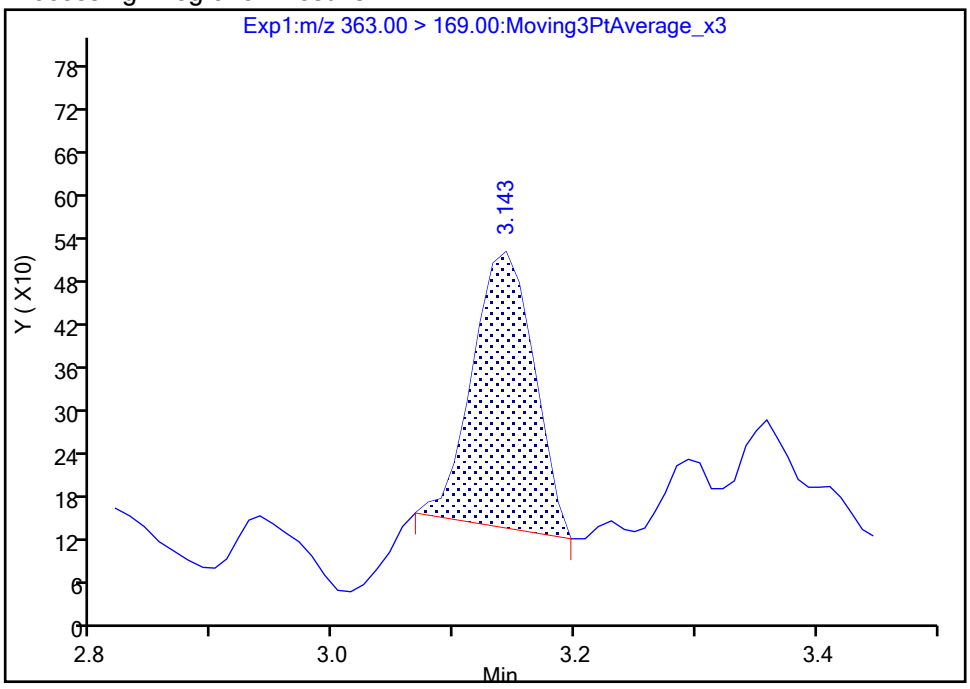
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B22.d				
Injection Date:	03-Mar-2021 21:52:13	Instrument ID:	LC812		
Lims ID:	480-181441-A-11-A	Lab Sample ID:	200-181441-11		
Client ID:	MW-6S-022221				
Operator ID:	lc812tech	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

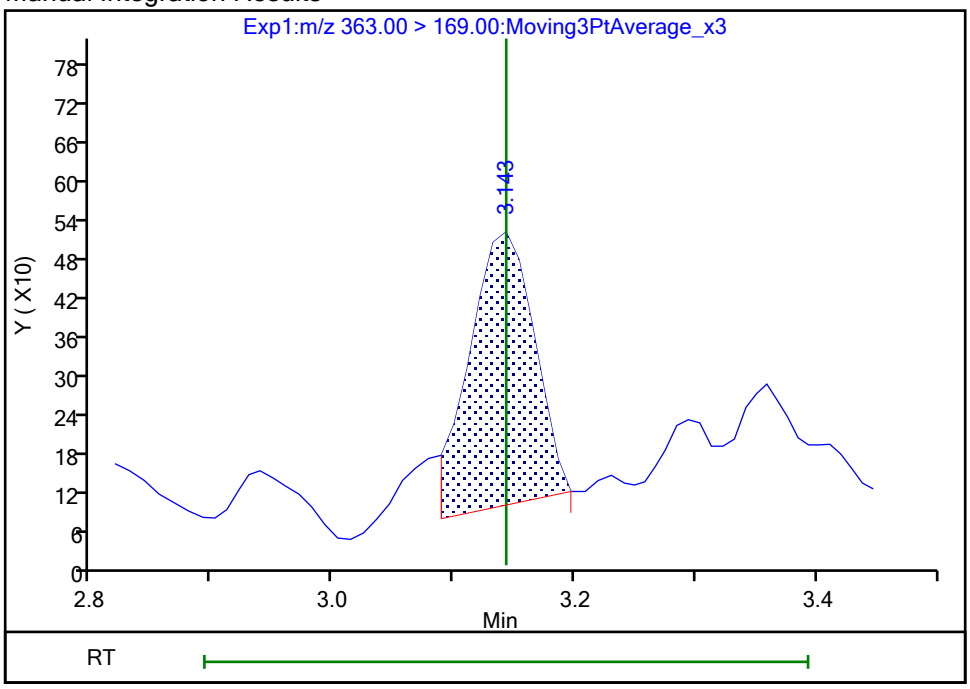
Processing Integration Results

RT: 3.14
Area: 1359
Amount: 0.010726
Amount Units: ng/ml



Manual Integration Results

RT: 3.14
Area: 1571
Amount: 0.010726
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:38:54

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

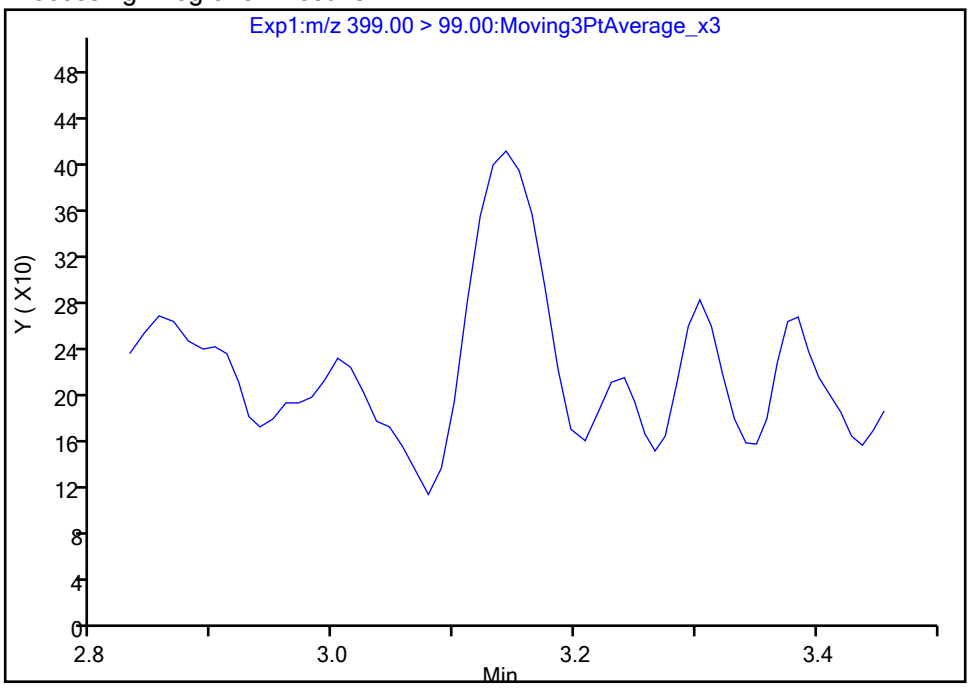
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B22.d				
Injection Date:	03-Mar-2021 21:52:13	Instrument ID:	LC812		
Lims ID:	480-181441-A-11-A	Lab Sample ID:	200-181441-11		
Client ID:	MW-6S-022221				
Operator ID:	lc812tech	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

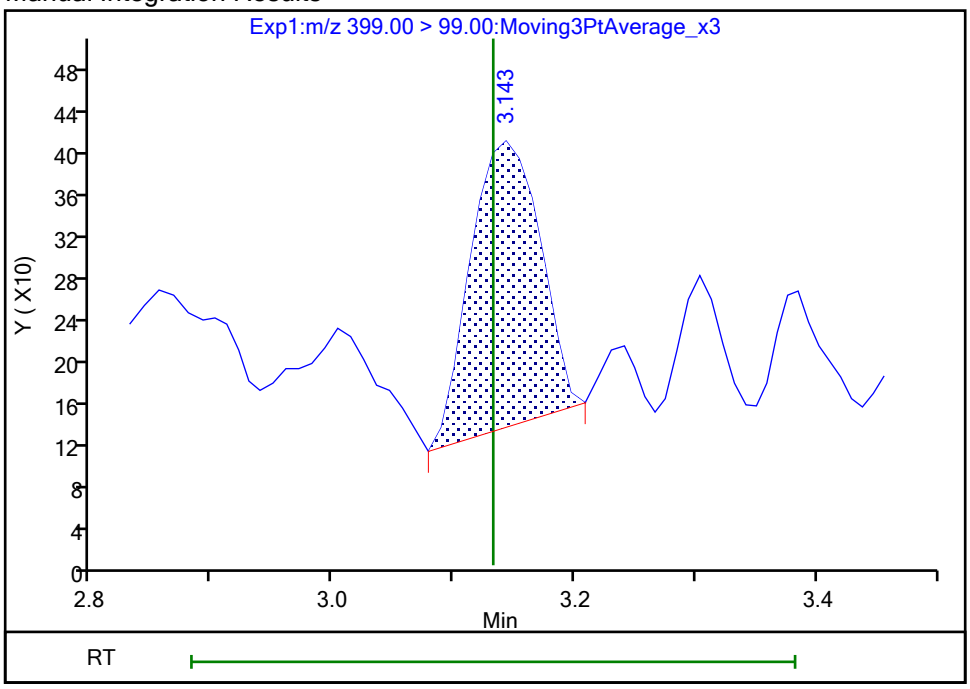
Not Detected
Expected RT: 3.13

Processing Integration Results



Manual Integration Results

RT: 3.14
Area: 1109
Amount: 0.005795
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:38:47
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

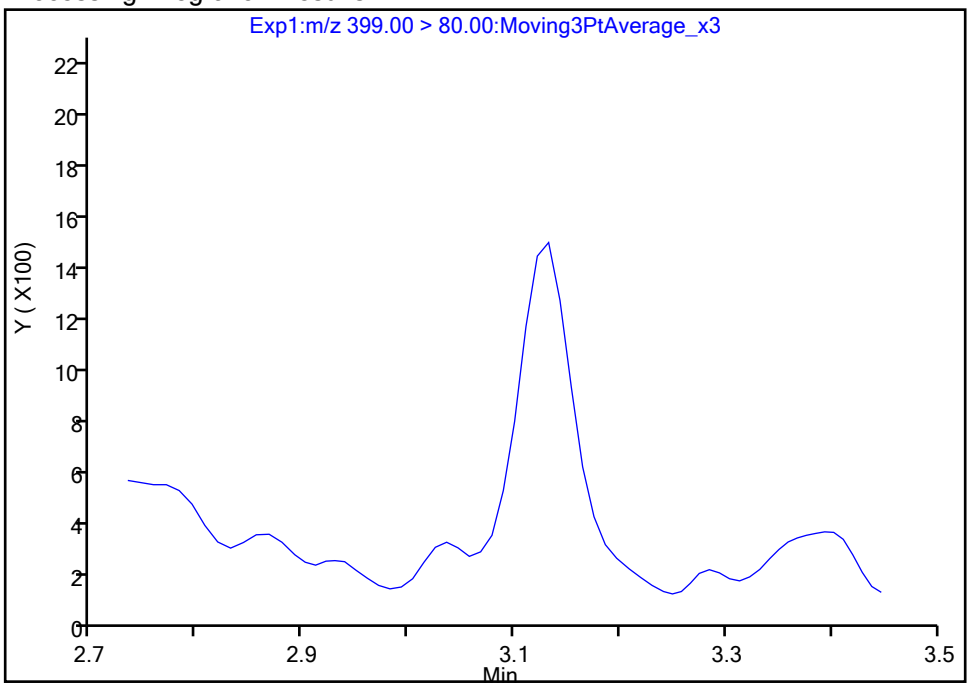
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B22.d				
Injection Date:	03-Mar-2021 21:52:13	Instrument ID:	LC812		
Lims ID:	480-181441-A-11-A	Lab Sample ID:	200-181441-11		
Client ID:	MW-6S-022221				
Operator ID:	lc812tech	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

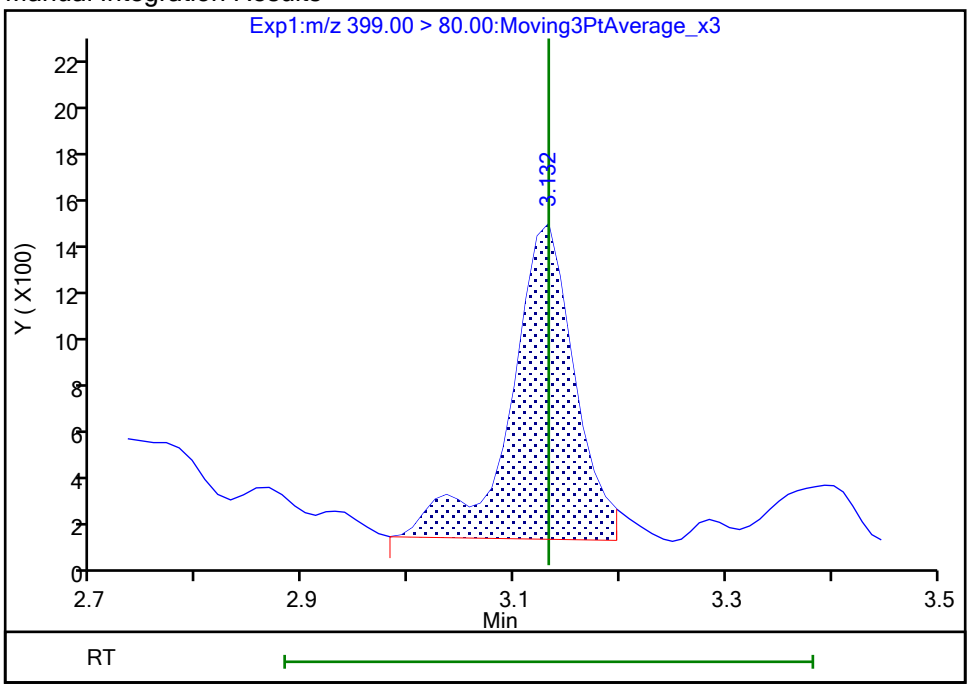
Not Detected
Expected RT: 3.13

Processing Integration Results



Manual Integration Results

RT: 3.13
Area: 5516
Amount: 0.005795
Amount Units: ng/ml



Reviewer: deannd, 04-Mar-2021 10:17:06
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

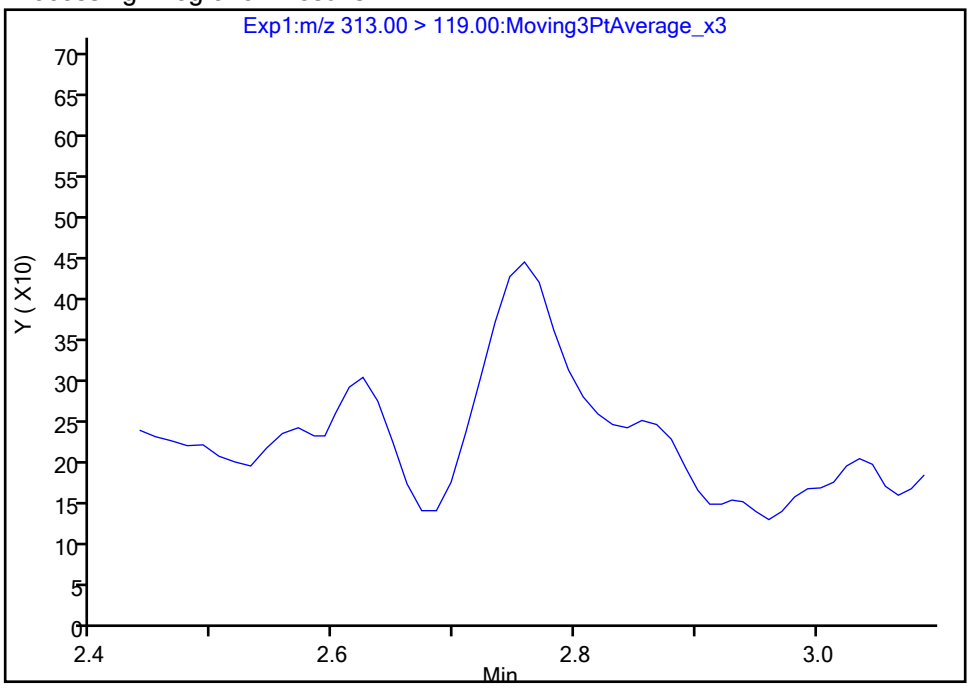
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B22.d				
Injection Date:	03-Mar-2021 21:52:13	Instrument ID:	LC812		
Lims ID:	480-181441-A-11-A	Lab Sample ID:	200-181441-11		
Client ID:	MW-6S-022221				
Operator ID:	lc812tech	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

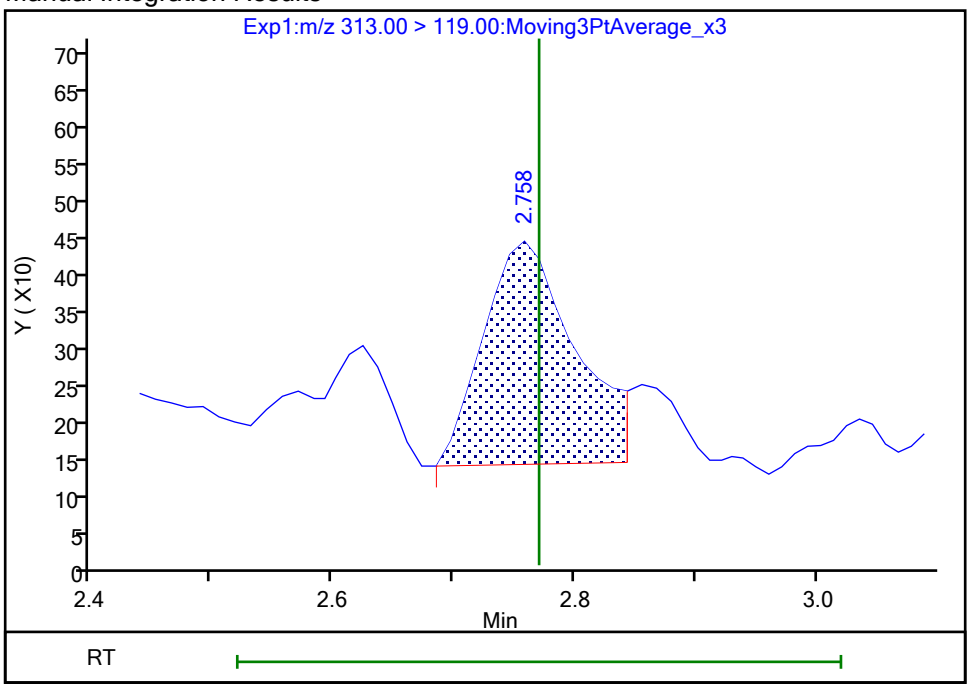
Not Detected
Expected RT: 2.77

Processing Integration Results



Manual Integration Results

RT: 2.76
Area: 1590
Amount: 0.018605
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:38:36
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

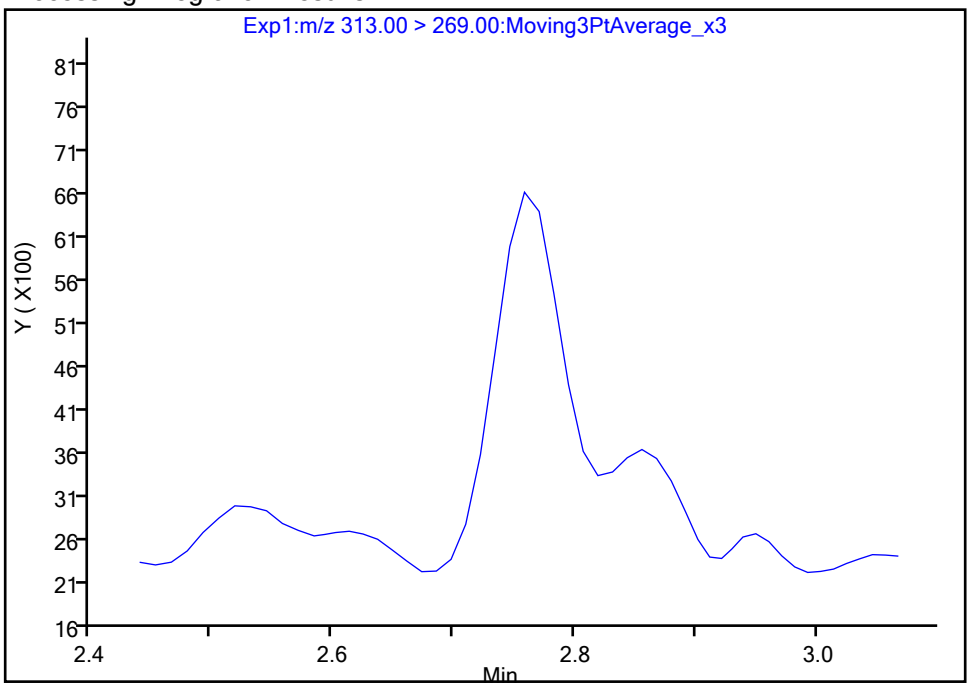
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B22.d				
Injection Date:	03-Mar-2021 21:52:13	Instrument ID:	LC812		
Lims ID:	480-181441-A-11-A	Lab Sample ID:	200-181441-11		
Client ID:	MW-6S-022221				
Operator ID:	lc812tech	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

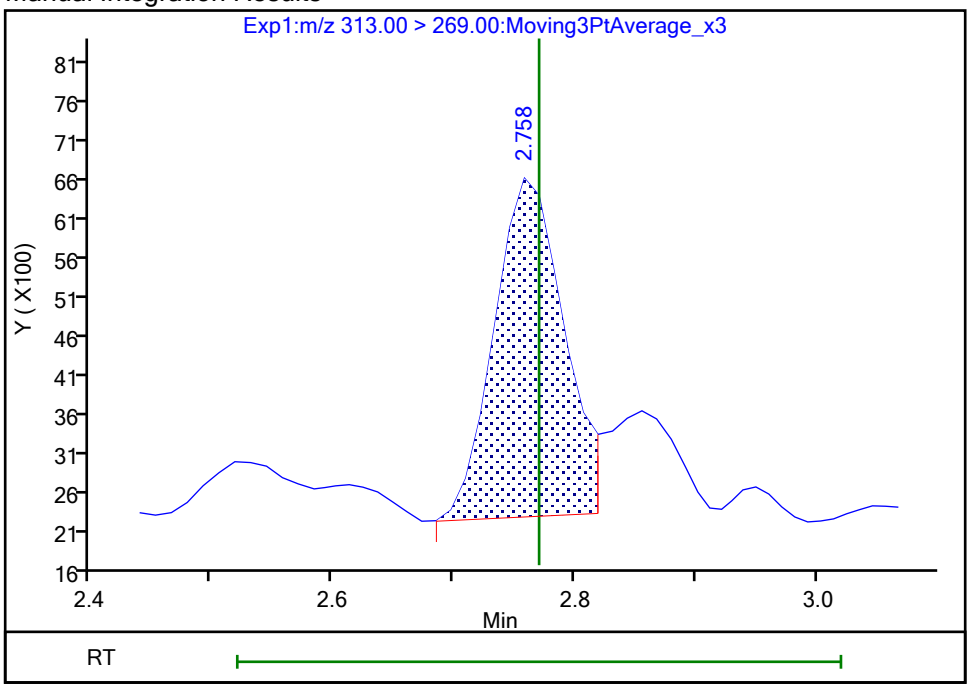
Not Detected
Expected RT: 2.77

Processing Integration Results



Manual Integration Results

RT: 2.76
Area: 17293
Amount: 0.018605
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:38:37
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

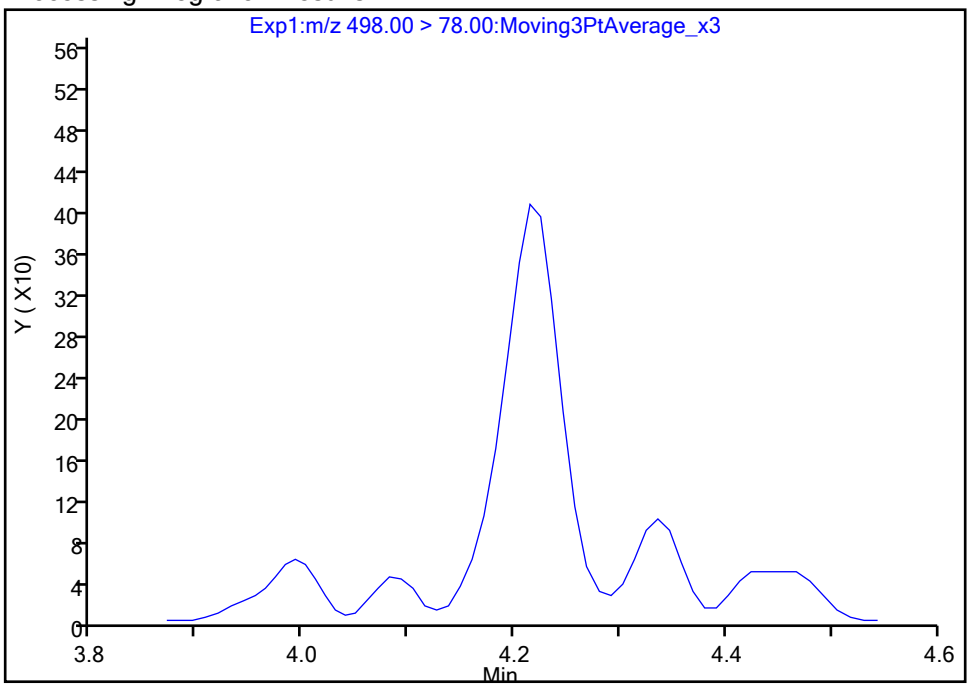
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B22.d				
Injection Date:	03-Mar-2021 21:52:13	Instrument ID:	LC812		
Lims ID:	480-181441-A-11-A	Lab Sample ID:	200-181441-11		
Client ID:	MW-6S-022221				
Operator ID:	lc812tech	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

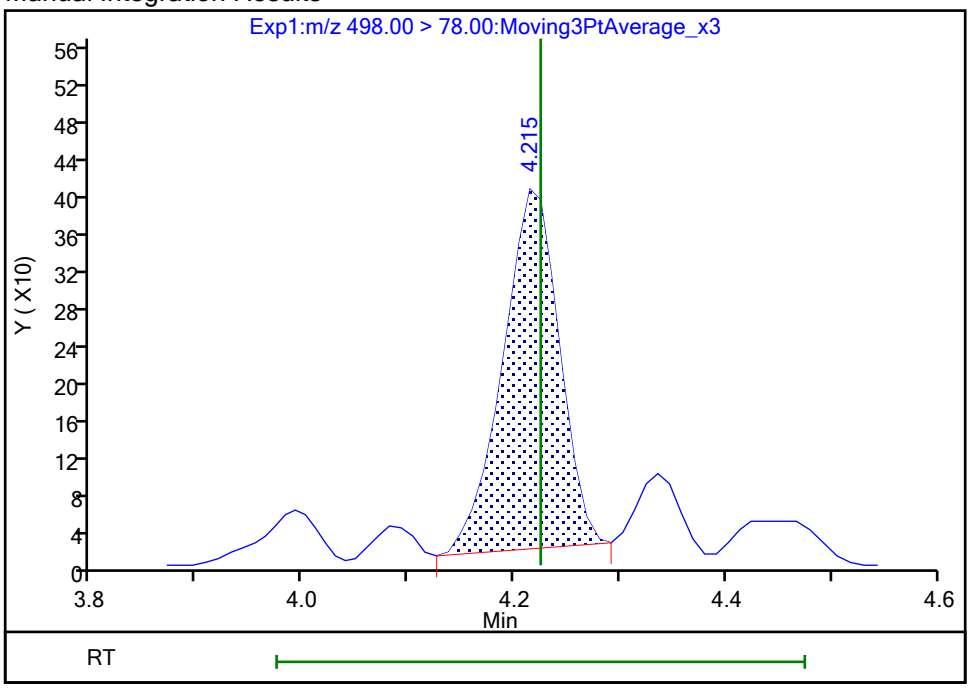
Not Detected
Expected RT: 4.22

Processing Integration Results



Manual Integration Results

RT: 4.21
Area: 1424
Amount: 0.001656
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:39:56
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

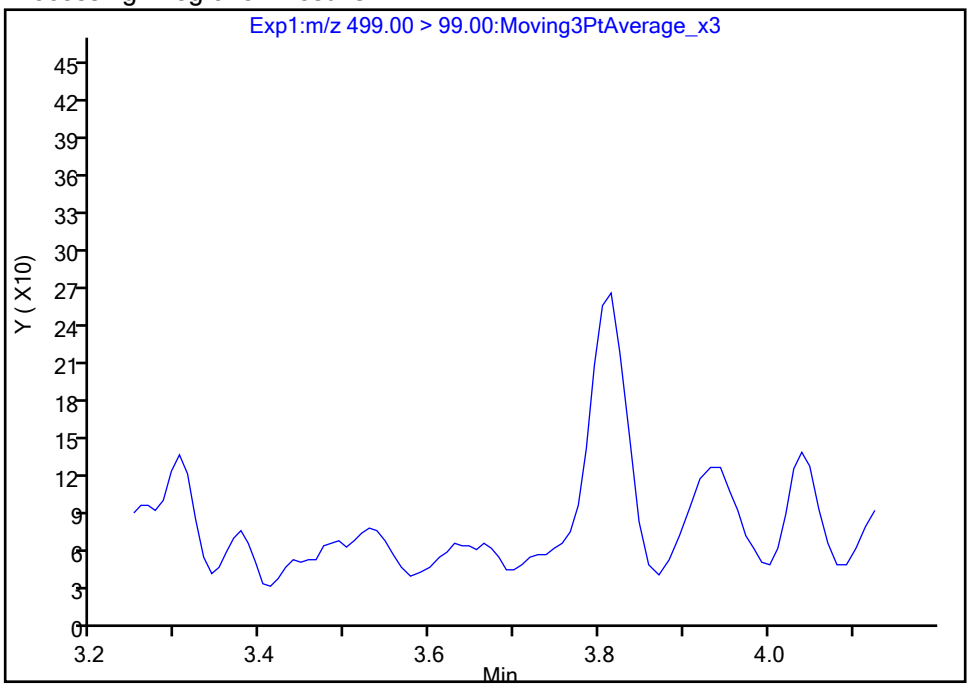
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B22.d				
Injection Date:	03-Mar-2021 21:52:13	Instrument ID:	LC812		
Lims ID:	480-181441-A-11-A	Lab Sample ID:	200-181441-11		
Client ID:	MW-6S-022221				
Operator ID:	lc812tech	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

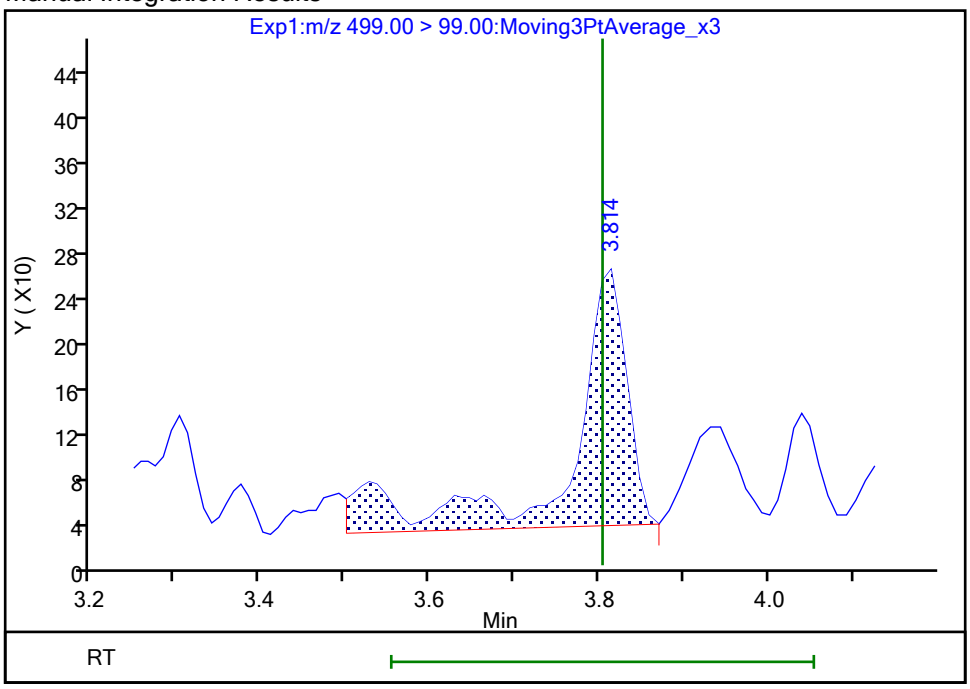
Not Detected
Expected RT: 3.80

Processing Integration Results



Manual Integration Results

RT: 3.81
Area: 1050
Amount: 0.006064
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:39:30
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

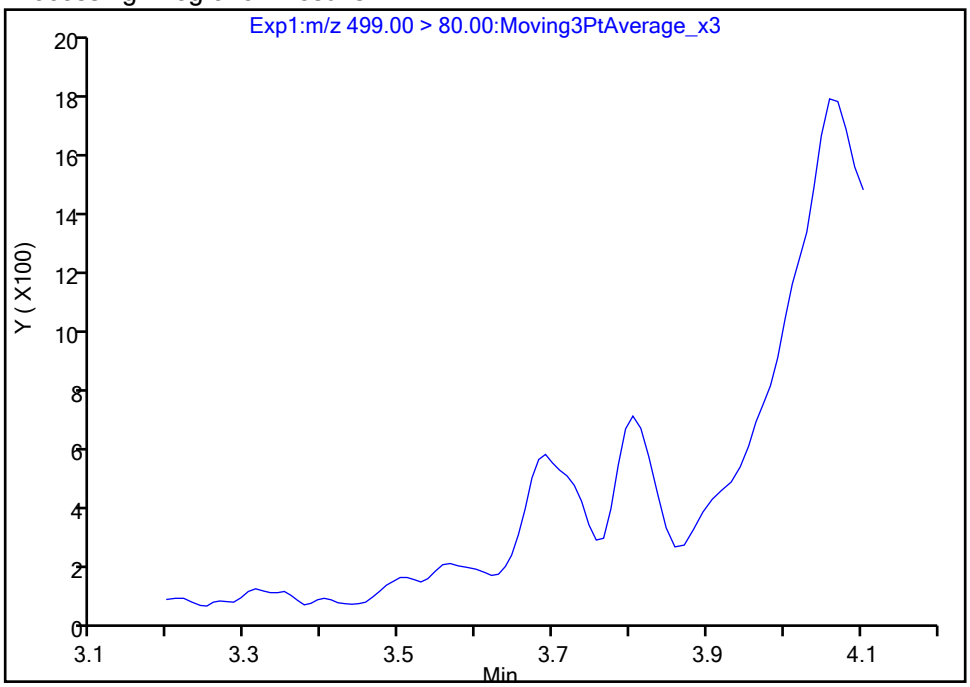
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B22.d				
Injection Date:	03-Mar-2021 21:52:13	Instrument ID:	LC812		
Lims ID:	480-181441-A-11-A	Lab Sample ID:	200-181441-11		
Client ID:	MW-6S-022221				
Operator ID:	lc812tech	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

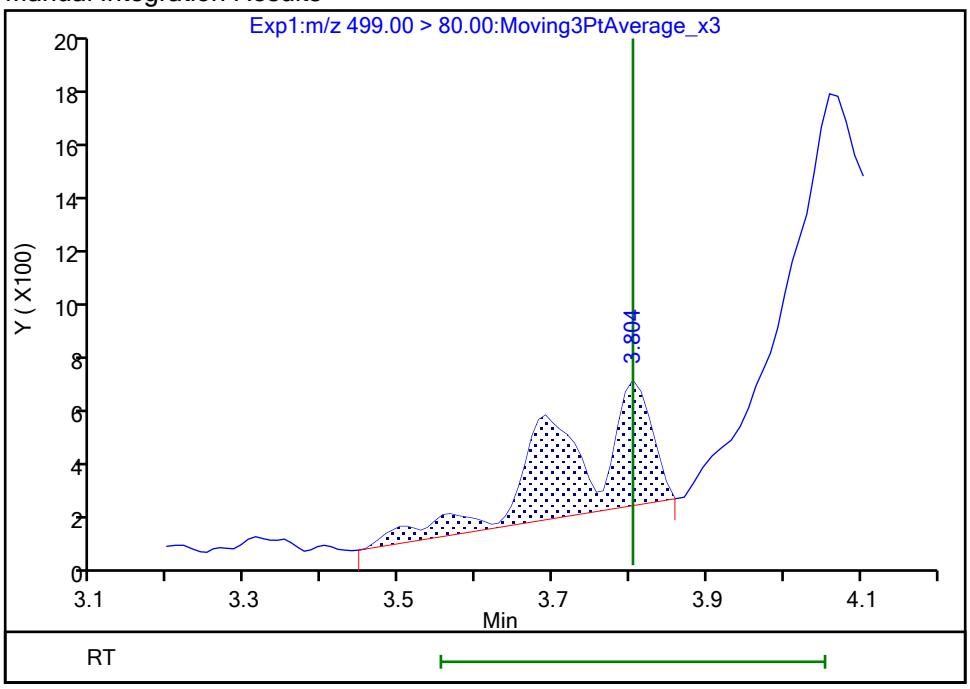
Not Detected
Expected RT: 3.80

Processing Integration Results



Manual Integration Results

RT: 3.80
Area: 3730
Amount: 0.006064
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:39:38
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

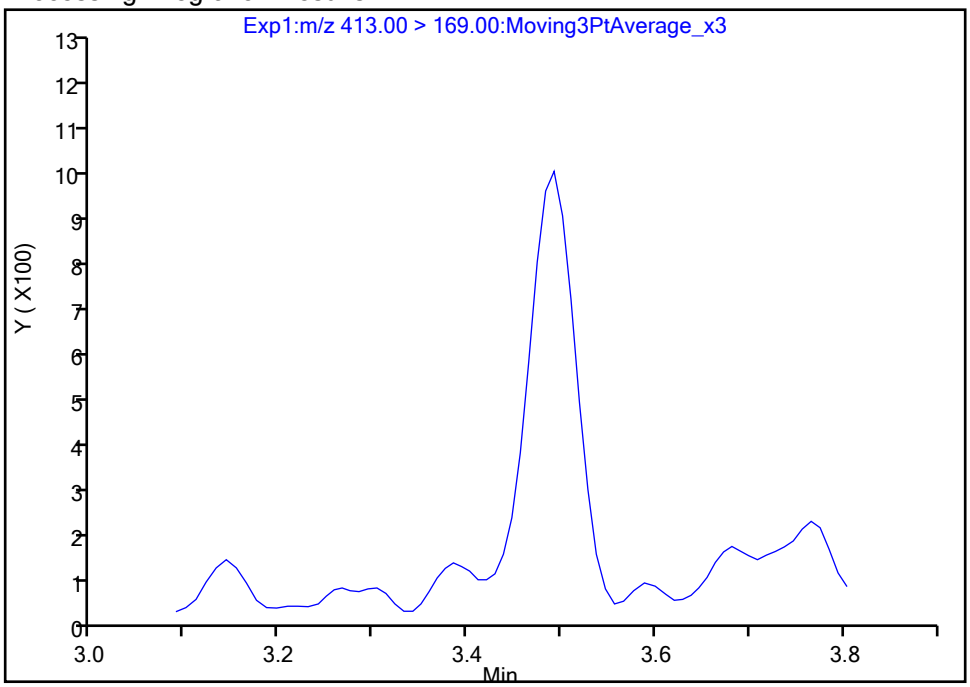
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B22.d				
Injection Date:	03-Mar-2021 21:52:13	Instrument ID:	LC812		
Lims ID:	480-181441-A-11-A	Lab Sample ID:	200-181441-11		
Client ID:	MW-6S-022221				
Operator ID:	lc812tech	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

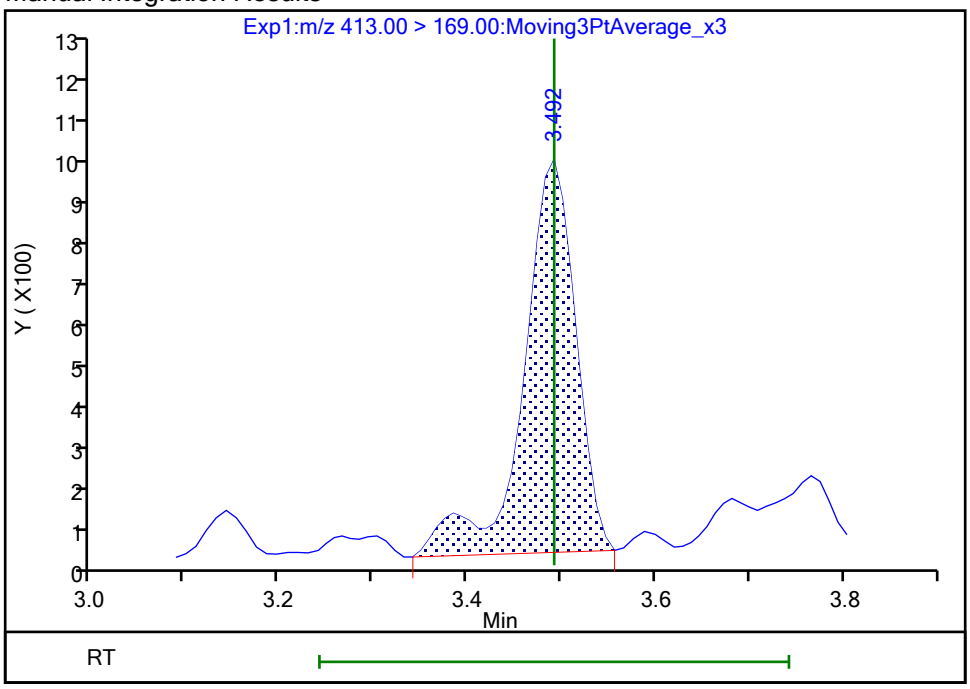
Not Detected
Expected RT: 3.49

Processing Integration Results



Manual Integration Results

RT: 3.49
Area: 3707
Amount: 0.008906
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:39:14
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

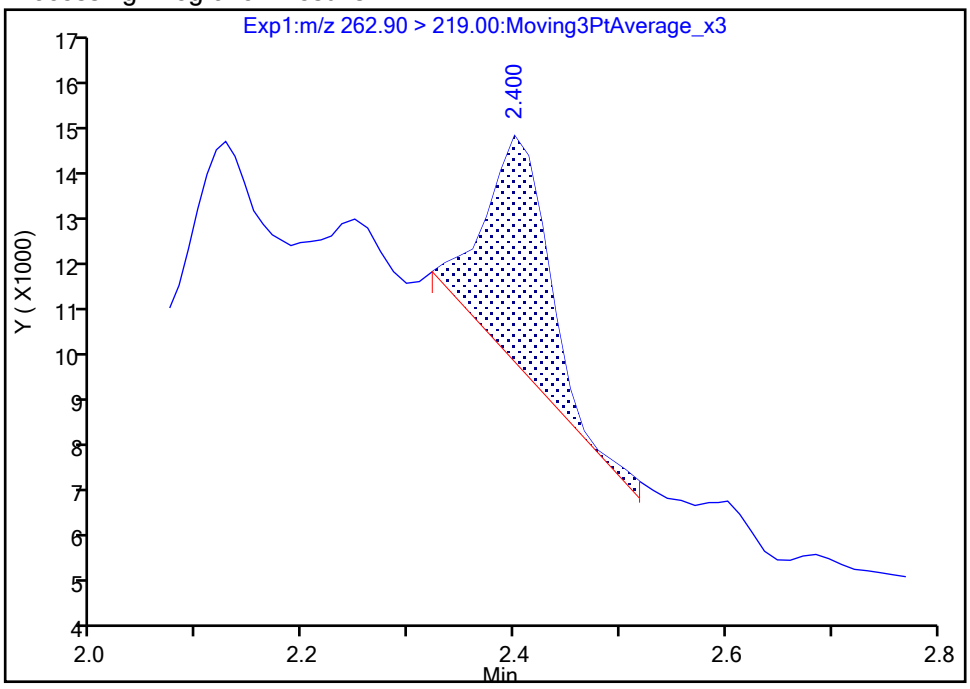
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B22.d				
Injection Date:	03-Mar-2021 21:52:13	Instrument ID:	LC812		
Lims ID:	480-181441-A-11-A	Lab Sample ID:	200-181441-11		
Client ID:	MW-6S-022221				
Operator ID:	lc812tech	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

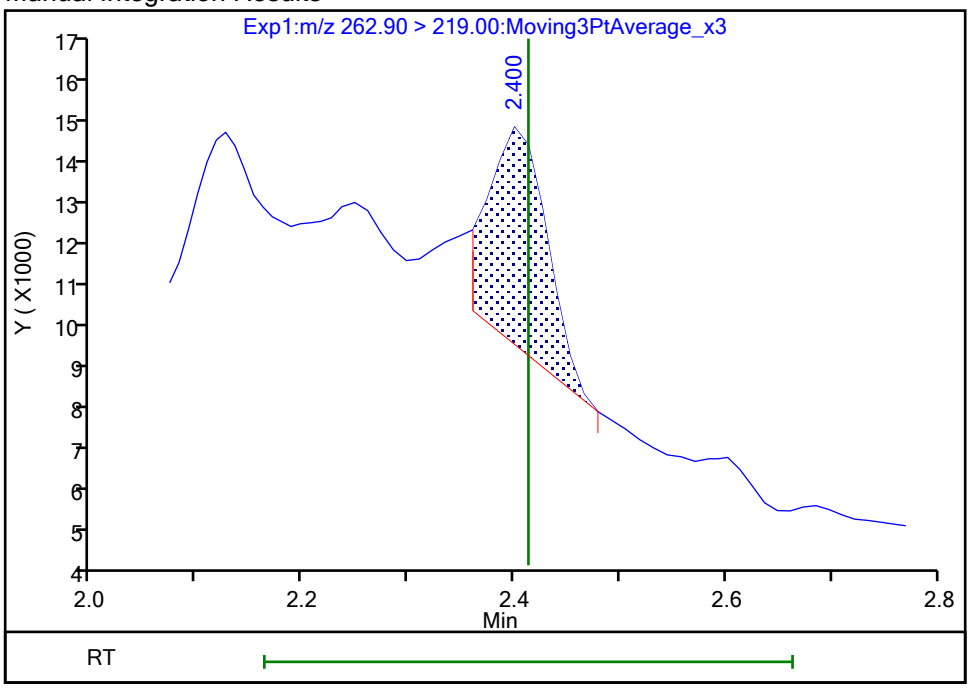
Processing Integration Results

RT: 2.40
Area: 19831
Amount: 0.022244
Amount Units: ng/ml



Manual Integration Results

RT: 2.40
Area: 19178
Amount: 0.021511
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:38:26
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

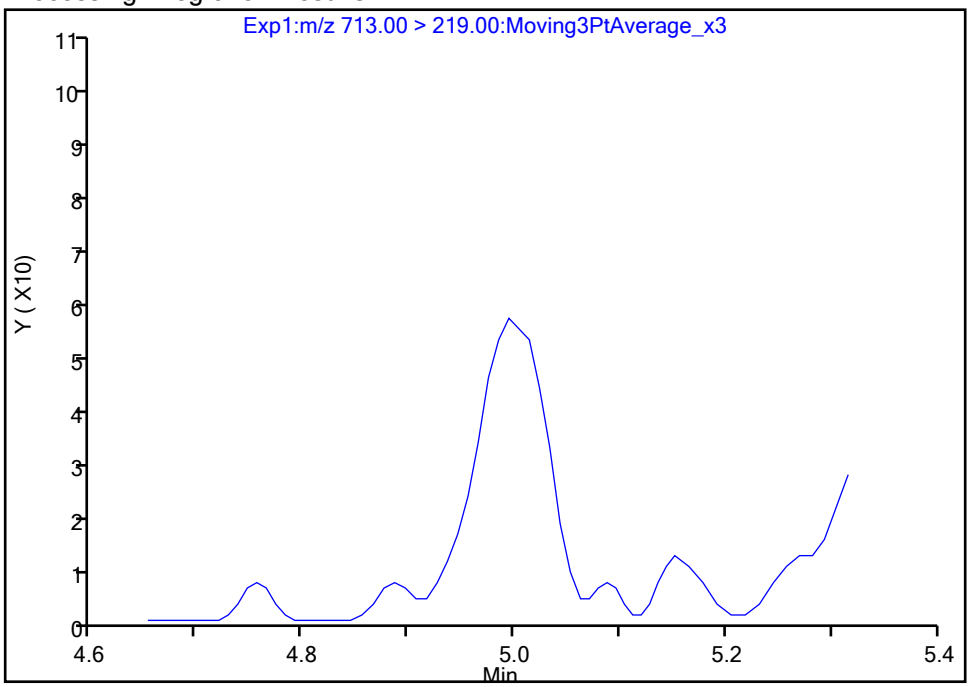
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B22.d				
Injection Date:	03-Mar-2021 21:52:13	Instrument ID:	LC812		
Lims ID:	480-181441-A-11-A	Lab Sample ID:	200-181441-11		
Client ID:	MW-6S-022221				
Operator ID:	lc812tech	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

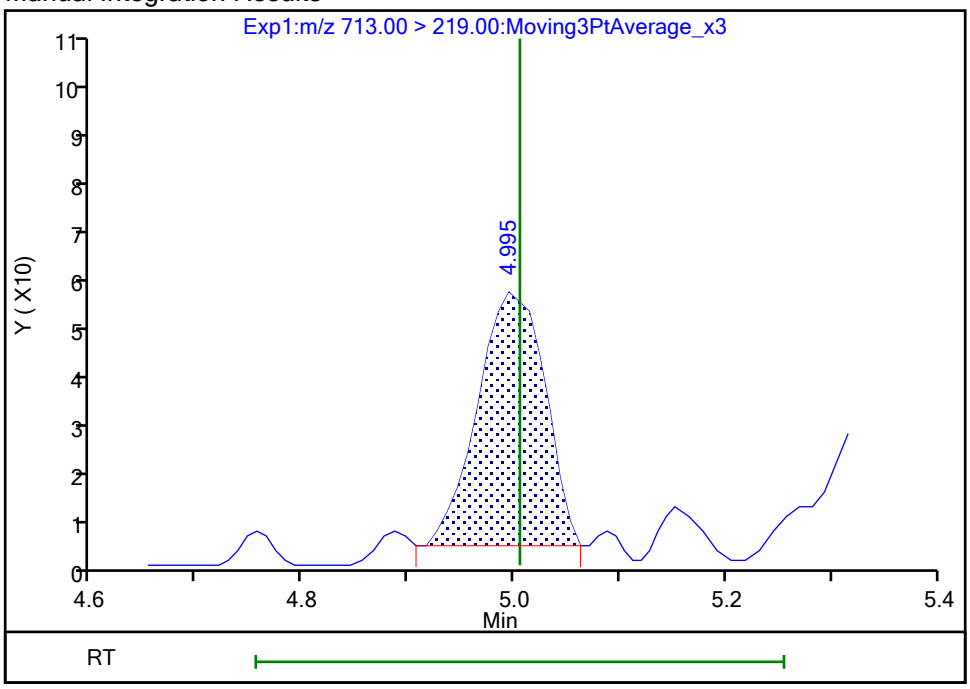
Not Detected
Expected RT: 5.00

Processing Integration Results



Manual Integration Results

RT: 4.99
Area: 229
Amount: 0.004354
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:40:45
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

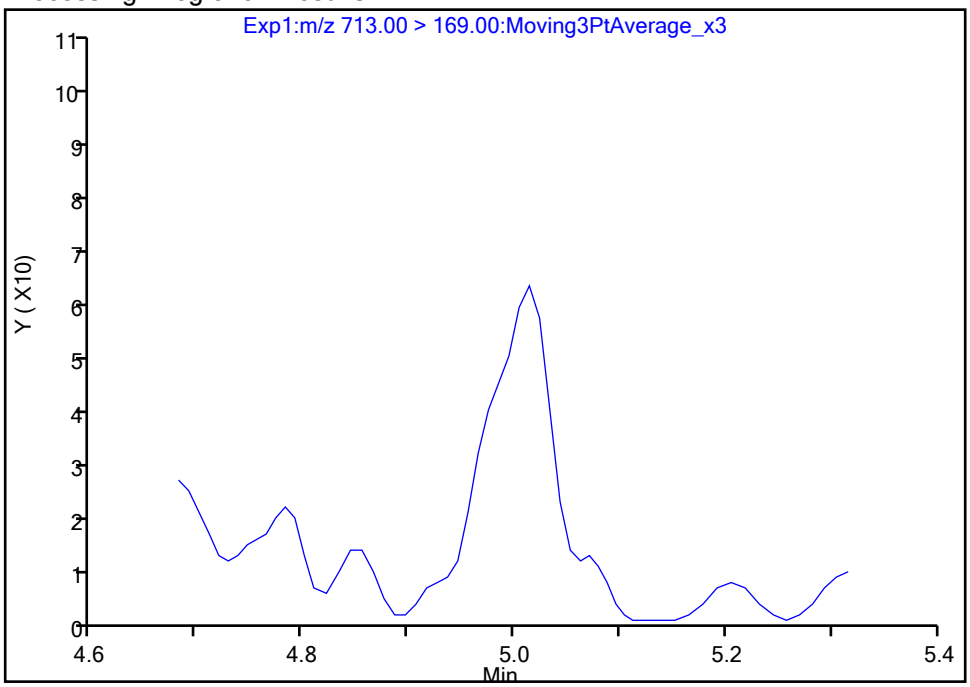
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B22.d				
Injection Date:	03-Mar-2021 21:52:13	Instrument ID:	LC812		
Lims ID:	480-181441-A-11-A	Lab Sample ID:	200-181441-11		
Client ID:	MW-6S-022221				
Operator ID:	lc812tech	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

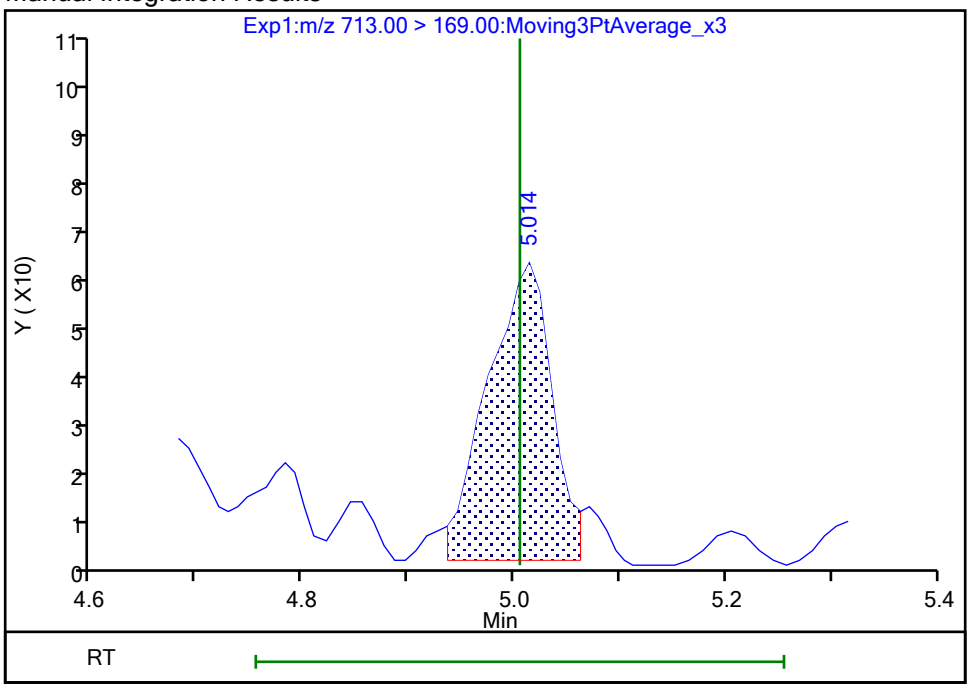
Not Detected
Expected RT: 5.00

Processing Integration Results



Manual Integration Results

RT: 5.01
Area: 255
Amount: 0.004354
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:40:48
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

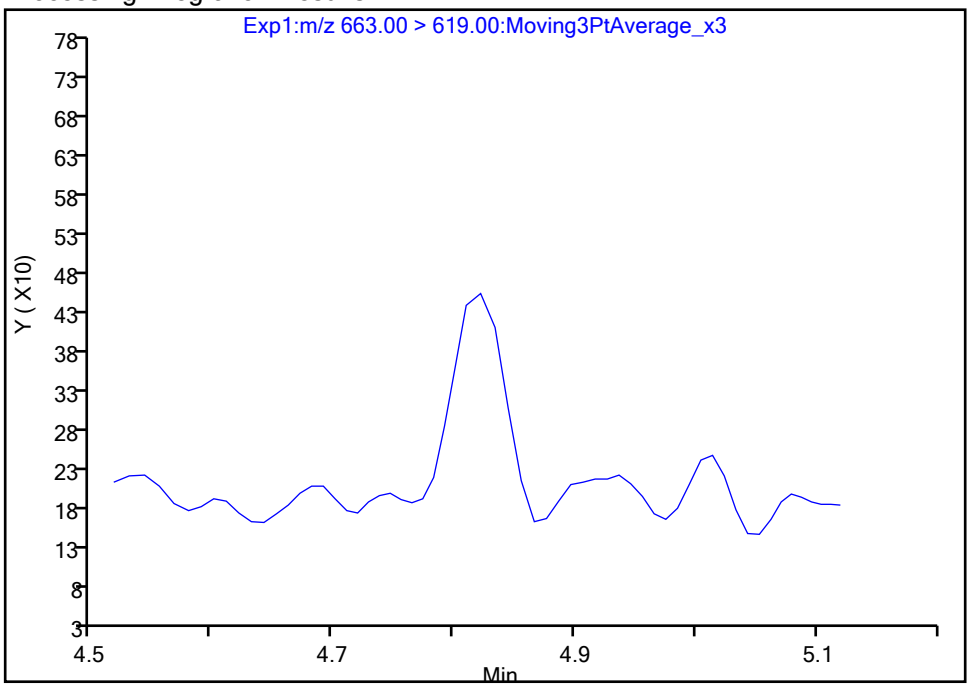
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B22.d				
Injection Date:	03-Mar-2021 21:52:13	Instrument ID:	LC812		
Lims ID:	480-181441-A-11-A	Lab Sample ID:	200-181441-11		
Client ID:	MW-6S-022221				
Operator ID:	lc812tech	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

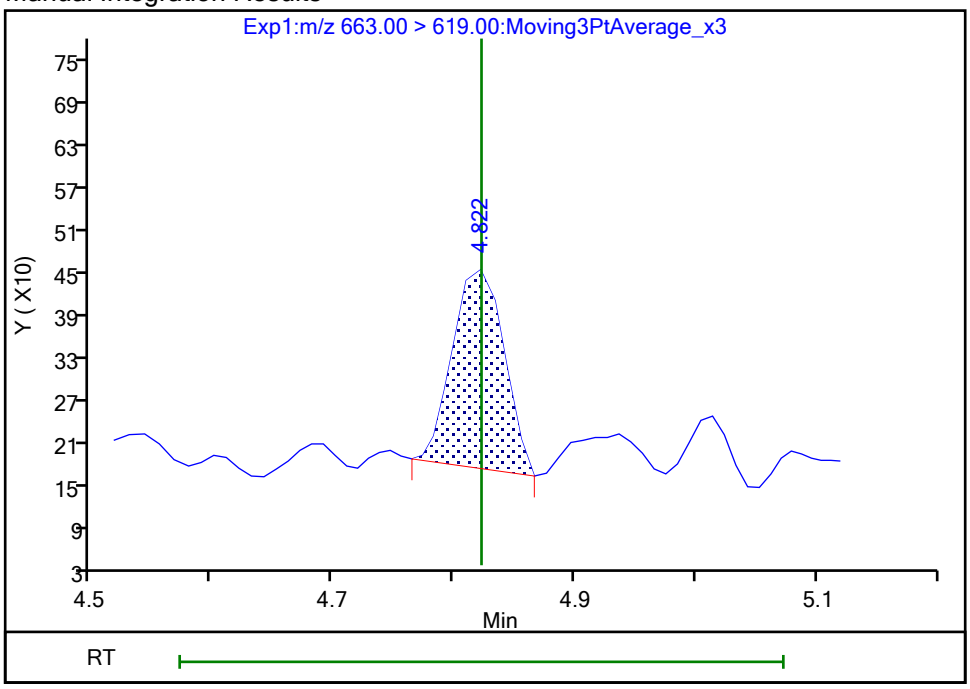
Not Detected
Expected RT: 4.82

Processing Integration Results



Manual Integration Results

RT: 4.82
Area: 825
Amount: 0.002071
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:40:36
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

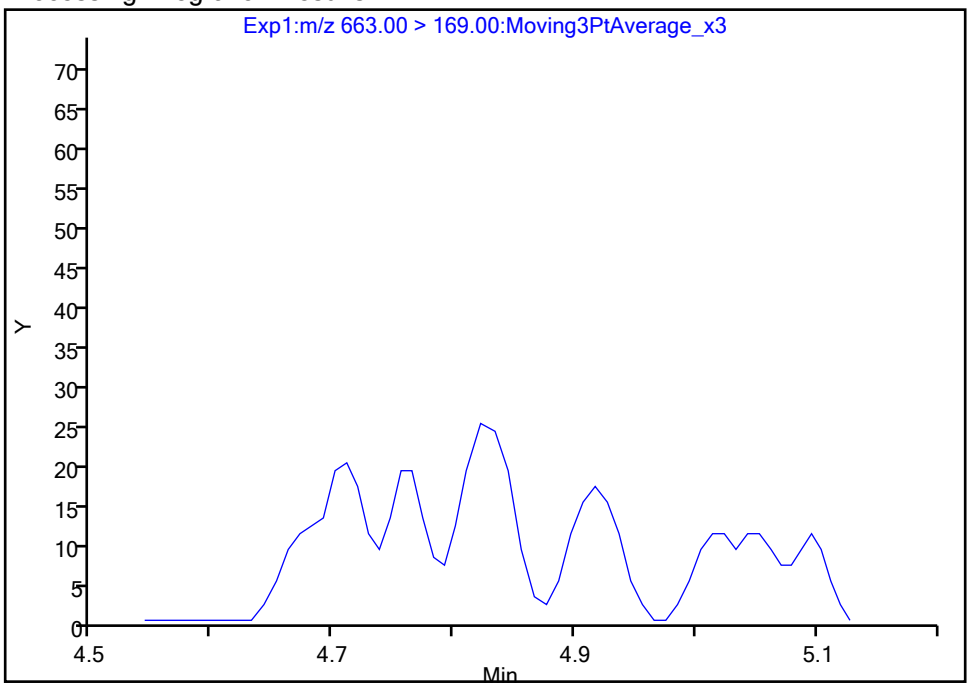
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B22.d				
Injection Date:	03-Mar-2021 21:52:13	Instrument ID:	LC812		
Lims ID:	480-181441-A-11-A	Lab Sample ID:	200-181441-11		
Client ID:	MW-6S-022221				
Operator ID:	lc812tech	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

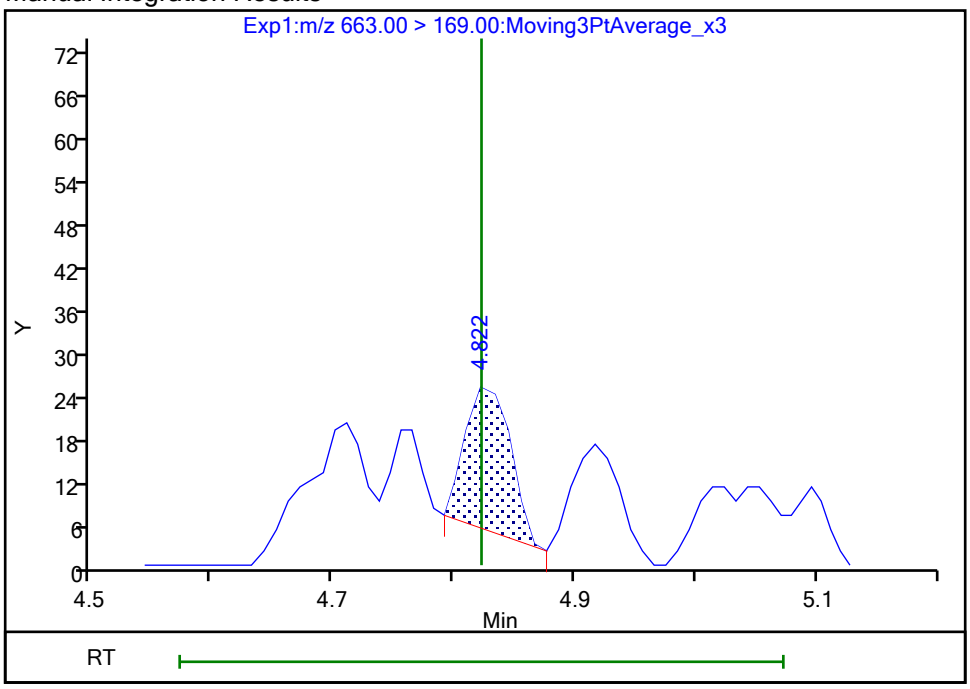
Not Detected
Expected RT: 4.82

Processing Integration Results



Manual Integration Results

RT: 4.82
Area: 52
Amount: 0.002071
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:40:38
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

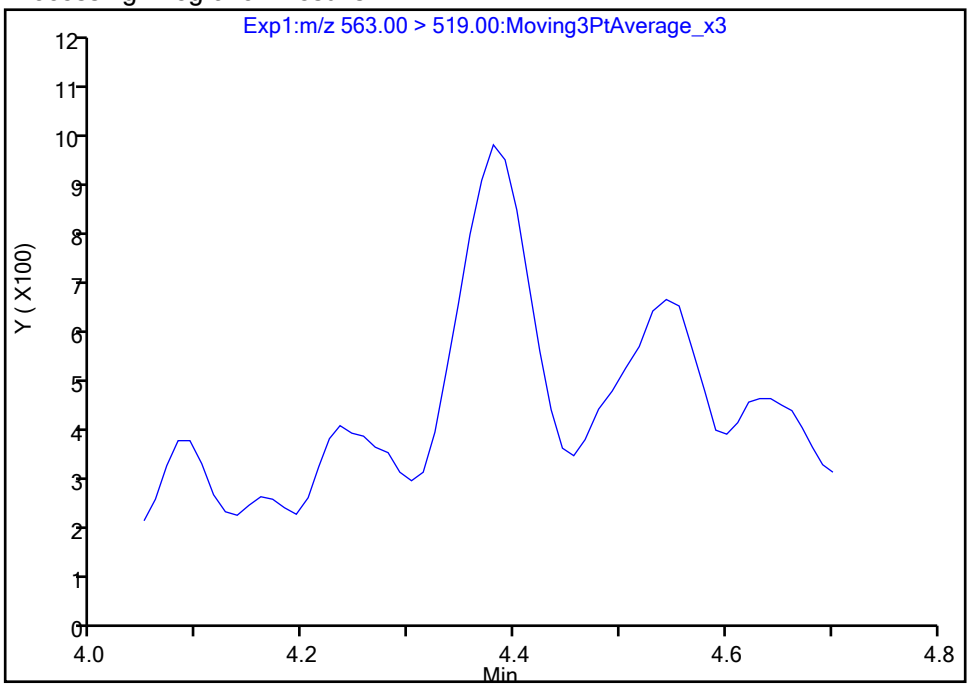
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B22.d				
Injection Date:	03-Mar-2021 21:52:13	Instrument ID:	LC812		
Lims ID:	480-181441-A-11-A	Lab Sample ID:	200-181441-11		
Client ID:	MW-6S-022221				
Operator ID:	lc812tech	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

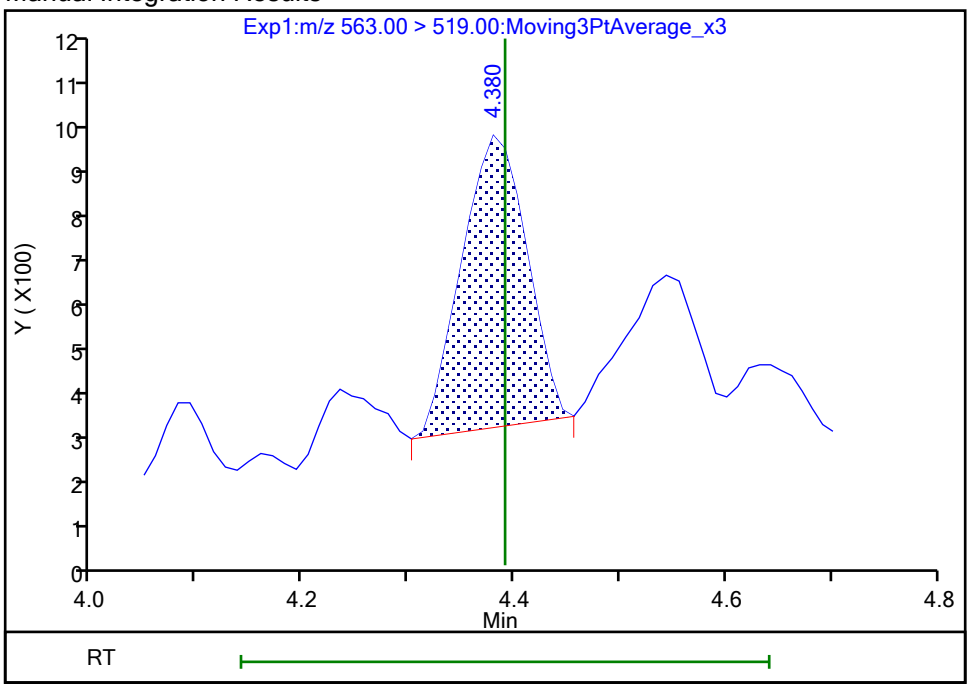
Not Detected
Expected RT: 4.39

Processing Integration Results



Manual Integration Results

RT: 4.38
Area: 2758
Amount: 0.006011
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:40:12
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

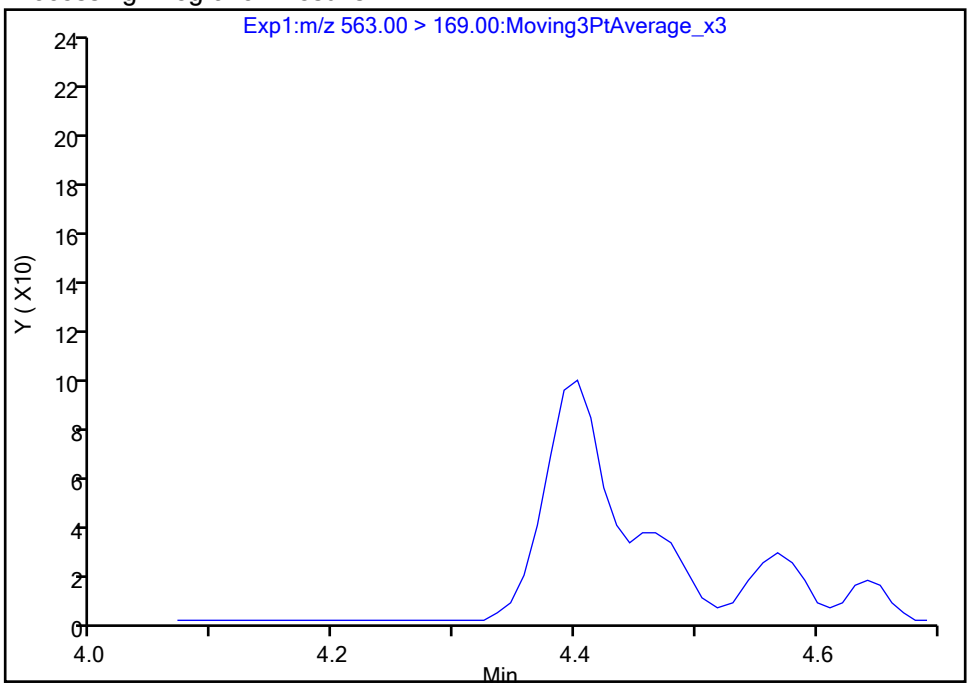
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B22.d				
Injection Date:	03-Mar-2021 21:52:13	Instrument ID:	LC812		
Lims ID:	480-181441-A-11-A	Lab Sample ID:	200-181441-11		
Client ID:	MW-6S-022221				
Operator ID:	lc812tech	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

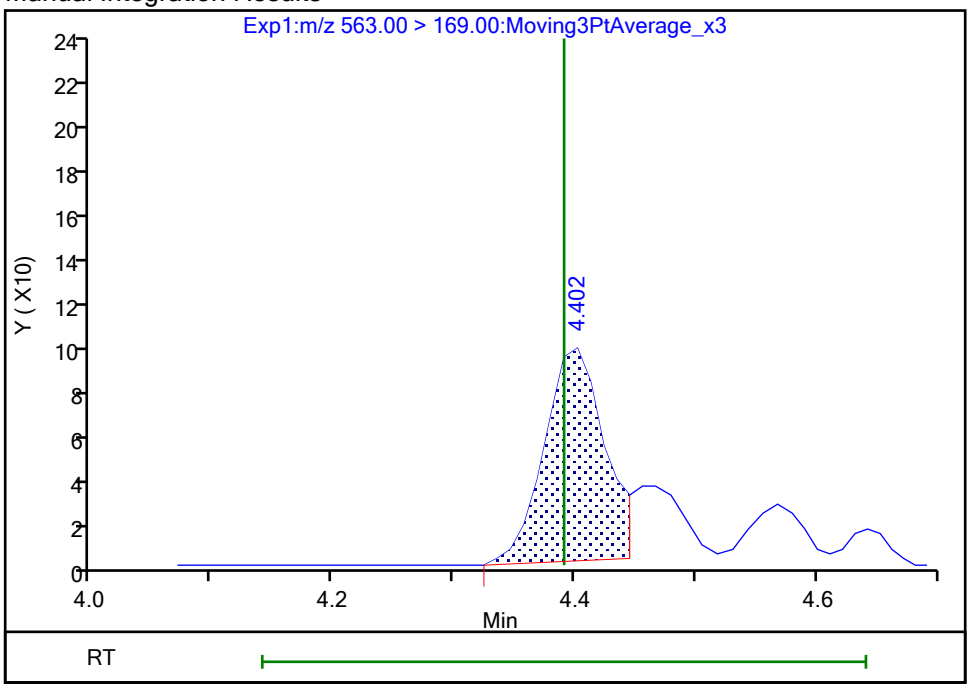
Not Detected
Expected RT: 4.39

Processing Integration Results



Manual Integration Results

RT: 4.40
Area: 323
Amount: 0.006011
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:40:16
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Client Sample ID: TMW-2D-022421 Lab Sample ID: 480-181441-12

Matrix: Water Lab File ID: PA210303B23.d

Analysis Method: 537 (modified) Date Collected: 02/24/2021 10:20

Extraction Method: 3535 Date Extracted: 03/03/2021 08:24

Sample wt/vol: 295.7(mL) Date Analyzed: 03/03/2021 22:00

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 164492 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
39108-34-4	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.7	0.56
27619-97-2	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	1.6	J	4.2	0.61
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.2	0.79
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.2	0.67
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		1.7	0.53
375-22-4	Perfluorobutanoic acid (PFBA)	ND		4.2	0.96
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.41
335-76-2	Perfluorodecanoic acid (PFDA)	ND		1.7	0.39
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		1.7	0.39
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.7	0.33
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		1.7	0.39
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		1.7	0.57
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		1.7	0.70
375-95-1	Perfluorononanoic acid (PFNA)	ND		1.7	0.49
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND		1.7	0.48
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		1.7	0.74
335-67-1	Perfluorooctanoic acid (PFOA)	ND		1.7	0.83
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		1.7	0.91
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		1.7	0.50
72629-94-8	Perfluorotridecanoic acid (PFTriA)	ND		1.7	0.36
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.62

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Client Sample ID: TMW-2D-022421 Lab Sample ID: 480-181441-12

Matrix: Water Lab File ID: PA210303B23.d

Analysis Method: 537 (modified) Date Collected: 02/24/2021 10:20

Extraction Method: 3535 Date Extracted: 03/03/2021 08:24

Sample wt/vol: 295.7(mL) Date Analyzed: 03/03/2021 22:00

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 164492 Units: ng/L

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00996	13C2 PFDA	99		50-150
STL00998	13C2 PFDoA	77		50-150
STL00993	13C2 PFHxA	107		50-150
STL02116	13C2 PFTeDA	79		50-150
STL00997	13C2 PFUnA	81		50-150
STL02337	13C3 PFBS	98		50-150
STL00992	13C4 PFBA	87		25-150
STL01892	13C4 PFHpA	106		50-150
STL00990	13C4 PFOA	105		50-150
STL00991	13C4 PFOS	104		50-150
STL00995	13C5 PFNA	102		50-150
STL01893	13C5 PFPeA	104		25-150
STL01056	13C8 FOSA	90		25-150
STL00994	18O2 PFHxS	101		50-150
STL02118	d3-NMeFOSAA	84		50-150
STL02117	d5-NEtFOSAA	79		50-150
STL02279	M2-6:2 FTS	107		25-150
STL02280	M2-8:2 FTS	101		25-150

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B23.d
Lims ID: 480-181441-A-12-A
Client ID: TMW-2D-022421
Sample Type: Client
Inject. Date: 03-Mar-2021 22:00:30 ALS Bottle#: 23 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: 480-181441-A-12-A
Misc. Info.: 200-0045034-023 Plate: 1 Rack: 2
Operator ID: lc812tech Instrument ID: LC812

Method: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 04-Mar-2021 11:31:15 Calib Date: 22-Dec-2020 13:29:37
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1647

First Level Reviewer: khanphomeea Date: 04-Mar-2021 15:44:07
Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.082	2.091	-0.009	0.596	1452413	1.09		86.8	8929	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.082	2.091	-0.009	1.000	13480	0.0116			3.0	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.400	2.413	-0.013	0.687	1255407	1.30		104	2958	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.400	2.413	-0.013	1.000	10584	0.009517			0.5	M
D 47 13C3 PFBS										M
301.90 > 80.00	2.426	2.439	-0.013	0.695	1450272	1.14		98.0	186434	M
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.426	2.439	-0.013	1.000	17940	0.0127	Target=2.21		12.3	
298.90 > 99.00	2.426	2.439	-0.013	1.000	7952		2.26(1.11-3.32)		5.8	
D 7 13C2 PFHxA										
315.00 > 270.00	2.758	2.770	-0.012	0.790	1356075	1.34		107	4352	
6 Perfluorohexanoic acid										RM
313.00 > 269.00	2.770	2.770	0.0	1.004	9580	0.008083	Target=12.83		1.6	R
313.00 > 119.00	2.770	2.770	0.0	1.004	1541		6.22(6.42-19.25)		2.1	M
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.132	3.132	0.0	1.000	4903	0.004346	Target=4.15		13.3	M
399.00 > 99.00	3.143	3.132	0.011	1.003	1250		3.92(2.08-6.23)		1.3	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.132	3.132	0.0	0.897	1131936	1.19		101	2671	
D 9 13C4 PFHpA										
367.00 > 322.00	3.132	3.143	-0.011	0.897	1291987	1.33		106	3246	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.132	3.143	-0.011	1.000	5248	0.004649	Target=3.66		1.4	
363.00 > 169.00	3.122	3.143	-0.021	0.997	1302		4.03(1.83-5.49)		3.5	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 12 M2-6:2 FTS										
429.00 > 81.00	3.483	3.483	0.0	0.997	150260	1.27		107	454	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.483	3.483	0.0	1.000	6818	0.0484			116	
D 14 13C4 PFOA										
417.00 > 372.00	3.492	3.492	0.0	1.000	1297949	1.32		105	2659	
* 62 13C2 PFOA										
415.00 > 370.00	3.492	3.492	0.0		1245363	1.25			2823	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.492	3.492	0.0	1.000	7620	0.006770	Target=2.58		2.2	M
413.00 > 169.00	3.492	3.492	0.0	1.000	3341		2.28(1.29-3.87)		10.1	M
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.814	3.804	0.010	1.003	4563	0.005886	Target=5.65		0.9	M
499.00 > 99.00	3.814	3.804	0.010	1.003	1236		3.69(2.82-8.47)		2.9	M
D 18 13C4 PFOS										
503.00 > 80.00	3.804	3.804	0.0	1.089	805551	1.24		104	2596	
D 19 13C5 PFNA										
468.00 > 423.00	3.824	3.825	-0.001	1.095	1107410	1.27		102	4990	
20 Perfluorononanoic acid										RM
463.00 > 419.00	3.824	3.825	-0.001	1.000	3022	0.003082	Target=7.44		0.6	RM
463.00 > 169.00	3.824	3.825	-0.001	1.000	234		12.91(3.72-11.16)		3.2	M
D 23 13C2 PFDA										
515.00 > 470.00	4.126	4.126	0.0	1.182	1032302	1.24		99.3	7711	
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.126	4.126	0.0	1.000	2952	0.003469	Target=9.29		2.2	M
513.00 > 169.00	4.149	4.126	0.023	1.005	365		8.09(4.64-13.93)		3.2	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.126	4.137	-0.011	1.182	147348	1.21		101	639	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.115	4.137	-0.022	0.997	91	0.001087			2.6	M
D 21 13C8 FOSA										
506.00 > 78.00	4.215	4.225	-0.010	1.207	1369134	1.12		89.6	3801	
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.215	4.225	-0.010	1.000	1670	0.001521			17.2	M
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.268	4.268	0.0	1.222	63311	1.05		84.0	922	
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.302	4.268	0.034	1.008	43	0.000958			0.4	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.391	4.391	0.0	1.257	693918	1.02		81.3	4632	
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.380	4.391	-0.011	0.997	377	0.000666	Target=8.12		0.4	M
563.00 > 169.00	4.402	4.391	0.011	1.003	84		4.49(4.06-12.18)		1.6	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.402	4.402	0.0	1.261	57937	0.99		79.5	606	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.402	4.402	0.0	1.000	231	0.005384			3.1	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 36 13C2 PFDoA										
615.00 > 570.00	4.612	4.612	0.0	1.321	690728	0.9579		76.6	3053	
D 43 13C2 PFTeDA										
715.00 > 670.00	5.015	5.005	0.010	1.436	524707	0.9839		78.7	3671	
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.005	5.005	0.0	0.998	172	0.002210	Target=1.06		5.3	M
713.00 > 219.00	4.995	5.005	-0.010	0.996	203		0.85(0.53-1.59)		11.7	M

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Report Date: 04-Mar-2021 11:31:33 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B23.d

Injection Date: 03-Mar-2021 22:00:30 Instrument ID: LC812

Lims ID: 480-181441-A-12-A Lab Sample ID: 200-181441-12

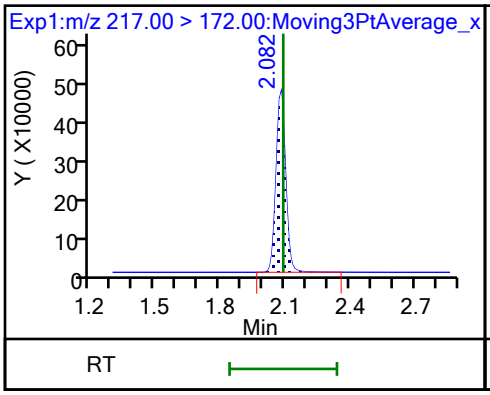
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Operator ID: lc812tech ALS Bottle#: 23 Worklist Smp#: 23

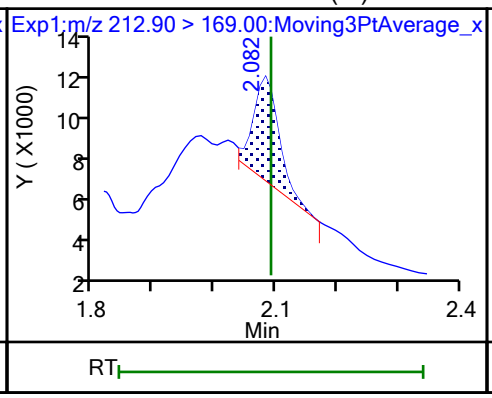
Injection Vol: 20.0 ul Dil. Factor: 1.0000

Method: PFC_LC812 Limit Group: LC_PFC_ICAL

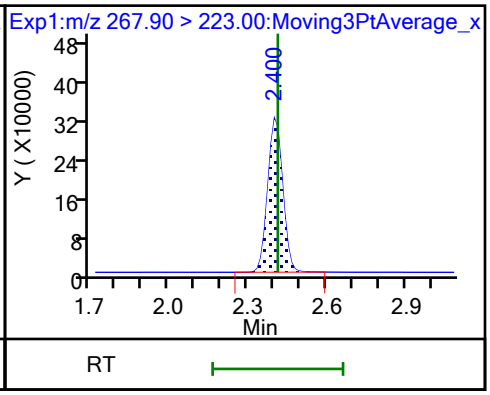
D 1 13C4 PFBA



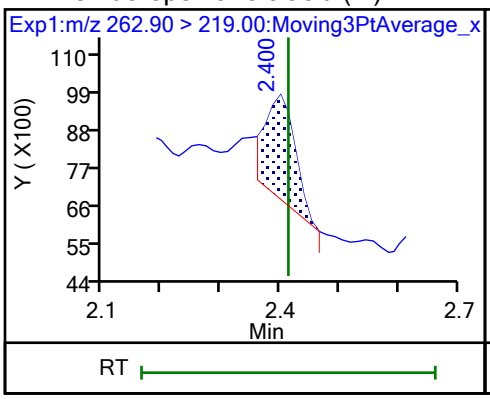
2 Perfluorobutanoic acid (M)



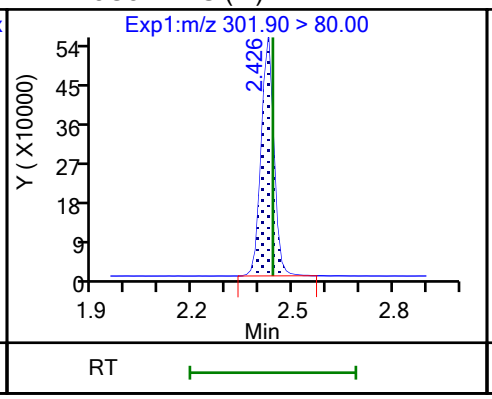
D 3 13C5 PFPeA



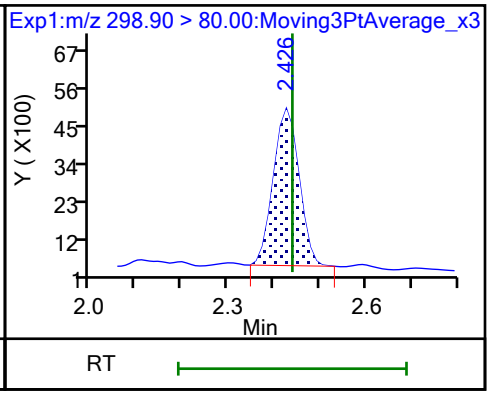
4 Perfluoropentanoic acid (M)



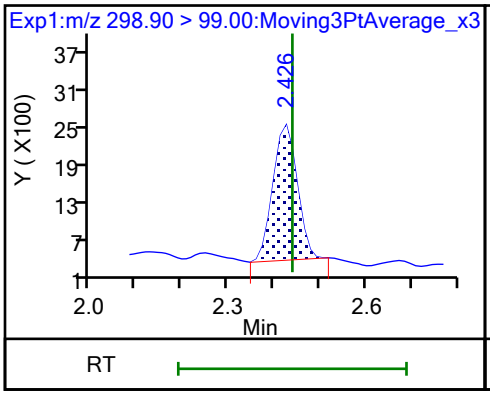
D 47 13C3 PFBS (M)



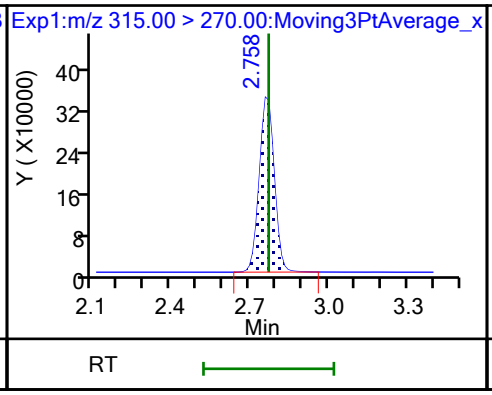
5 Perfluorobutanesulfonic acid



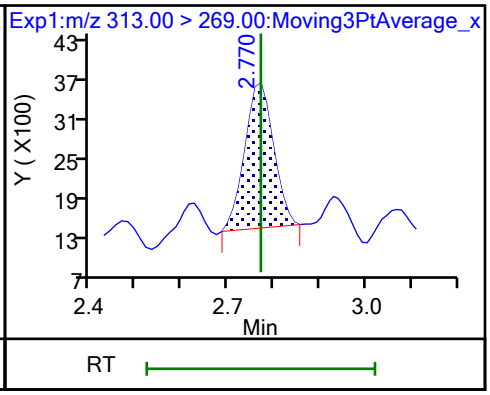
5 Perfluorobutanesulfonic acid



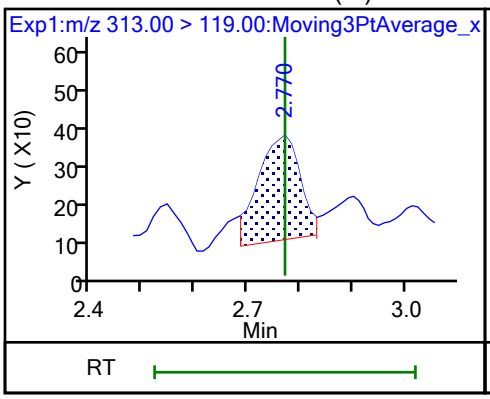
D 7 13C2 PFHxA



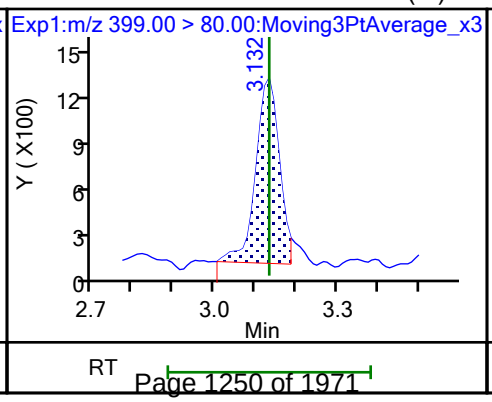
6 Perfluorohexanoic acid



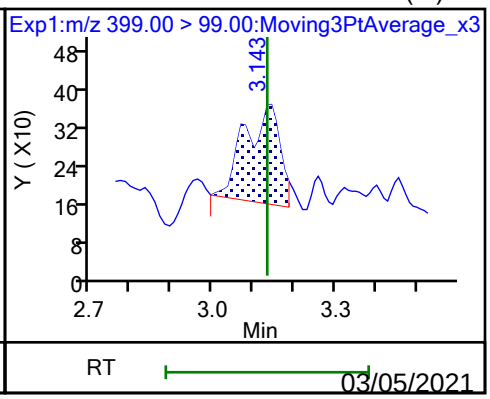
6 Perfluorohexanoic acid (M)



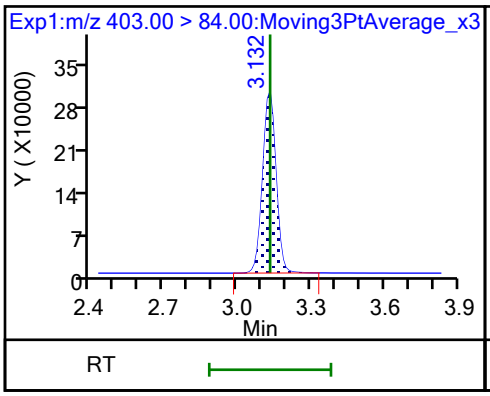
8 Perfluorohexanesulfonic acid (M)



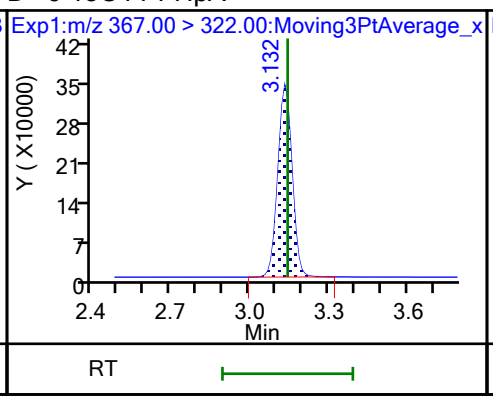
8 Perfluorohexanesulfonic acid (M)



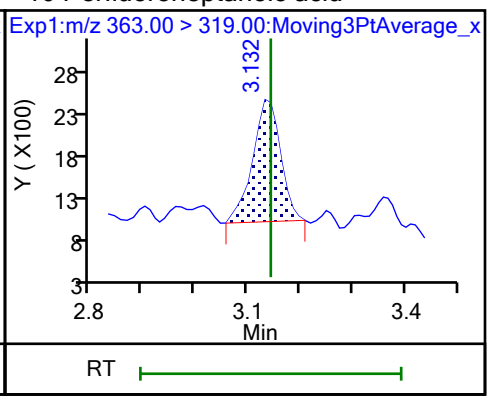
D 11 18O2 PFHxS



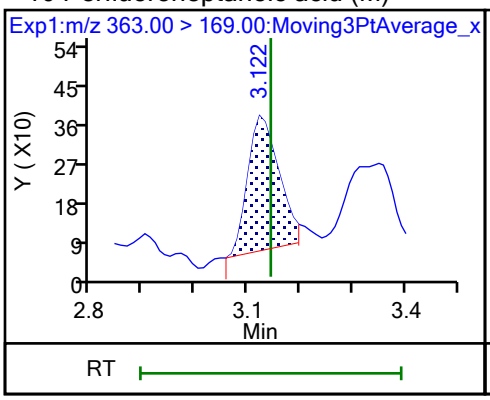
D 9 13C4 PFHpA



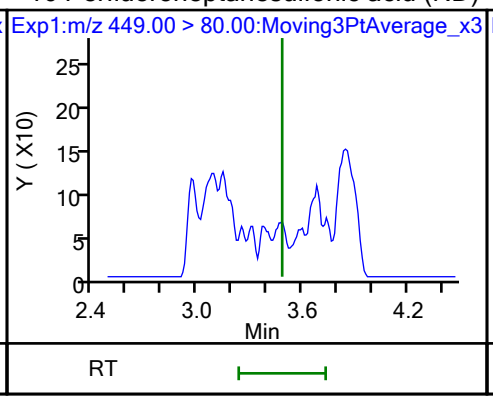
10 Perfluoroheptanoic acid



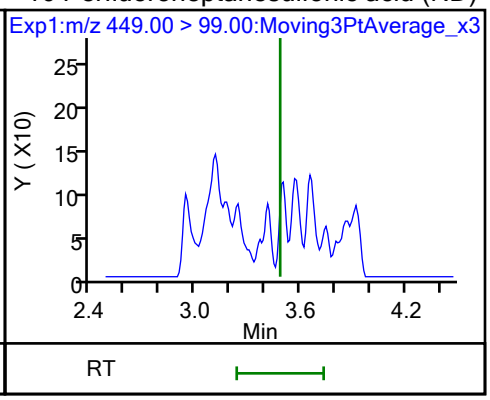
10 Perfluoroheptanoic acid (M)



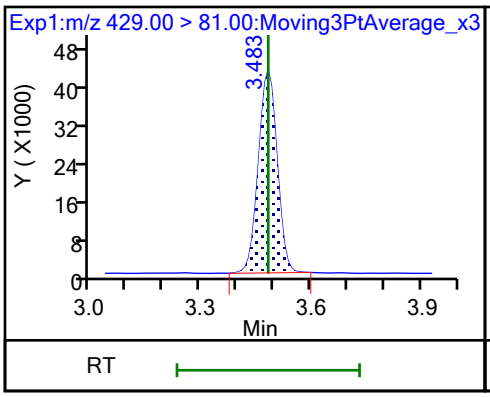
16 Perfluoroheptanesulfonic acid (ND)



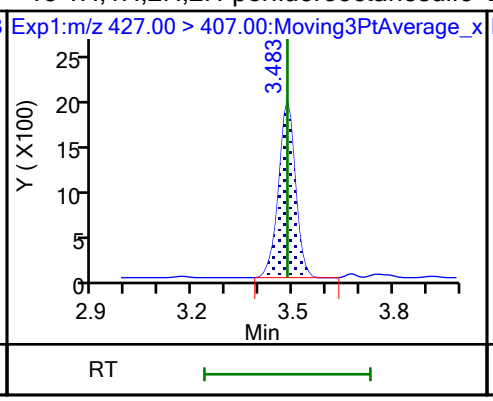
16 Perfluoroheptanesulfonic acid (ND)



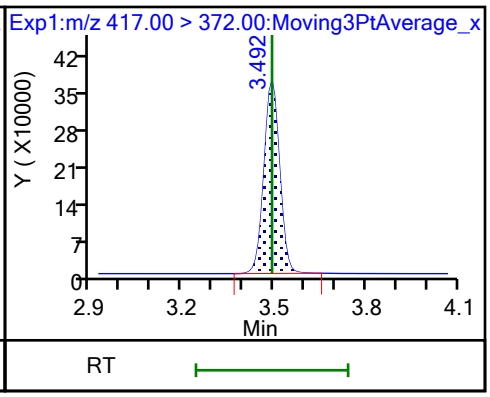
D 12 M2-6:2 FTS



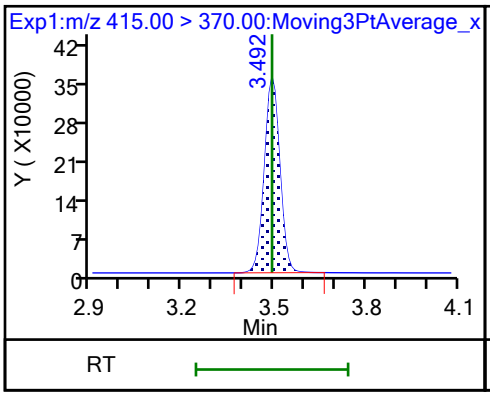
13 1H,1H,2H,2H-perfluorooctanesulfo



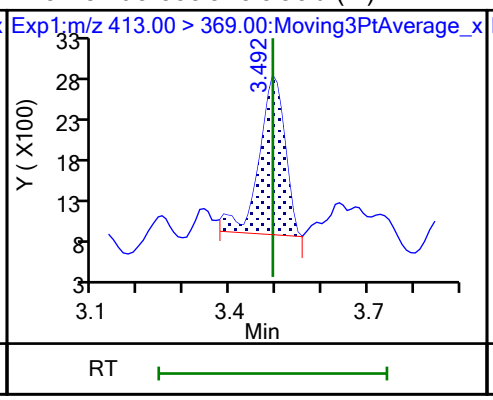
D 14 13C4 PFOA



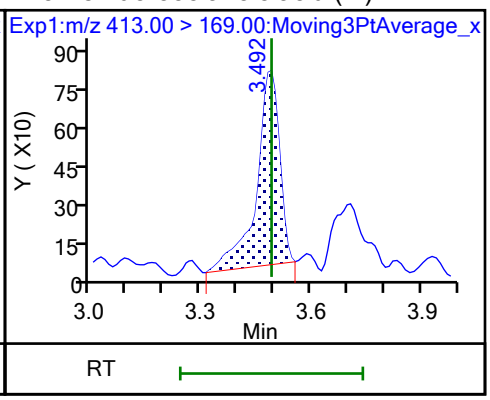
* 62 13C2 PFOA



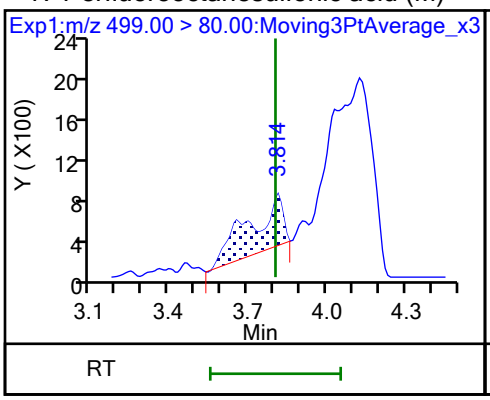
15 Perfluorooctanoic acid (M)



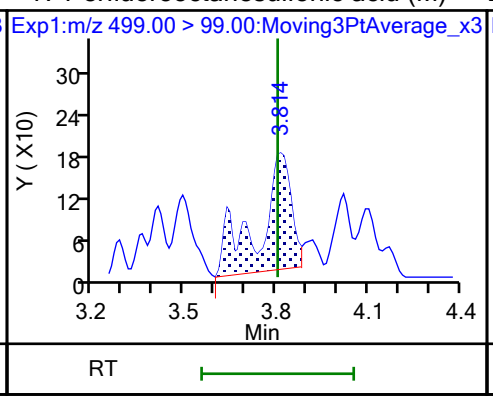
15 Perfluorooctanoic acid (M)



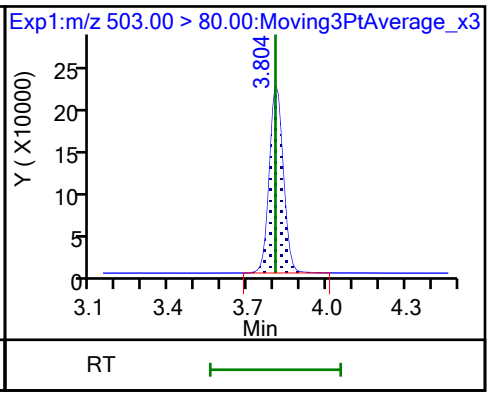
17 Perfluorooctanesulfonic acid (M)



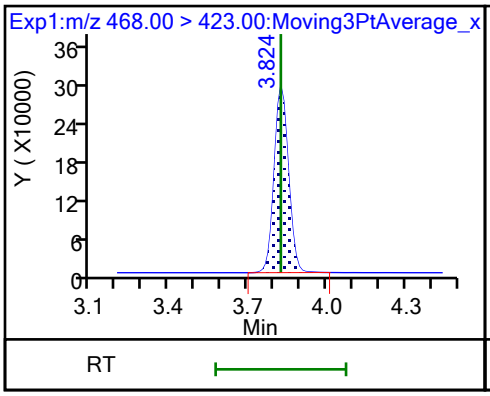
17 Perfluorooctanesulfonic acid (M)



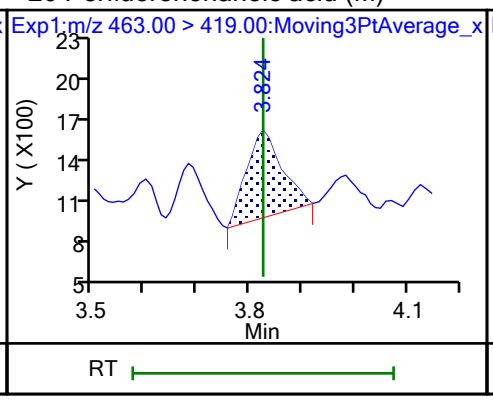
D 18 13C4 PFOS



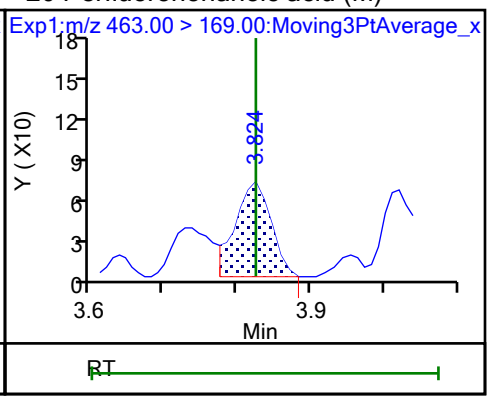
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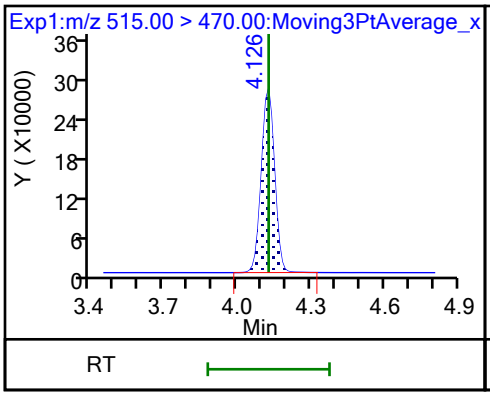
20 Perfluorononanoic acid (M)



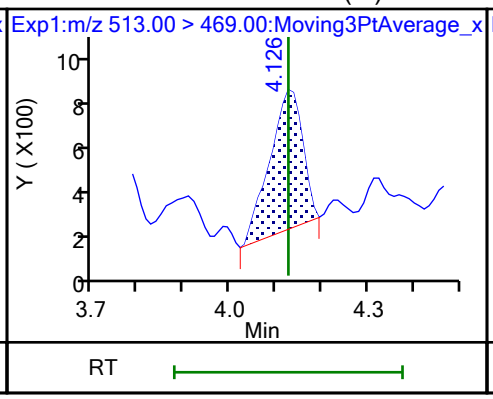
20 Perfluorononanoic acid (M)



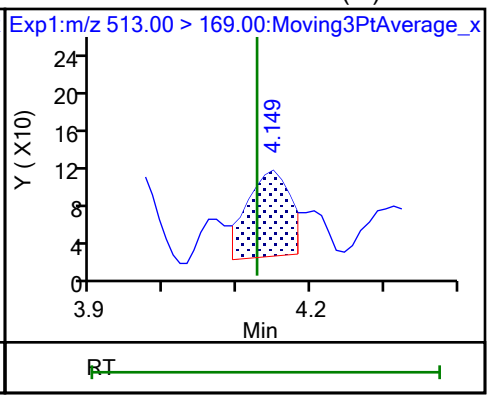
D 23 13C2 PFDA



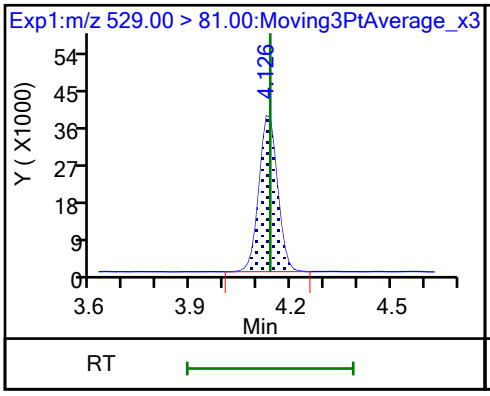
24 Perfluorodecanoic acid (M)



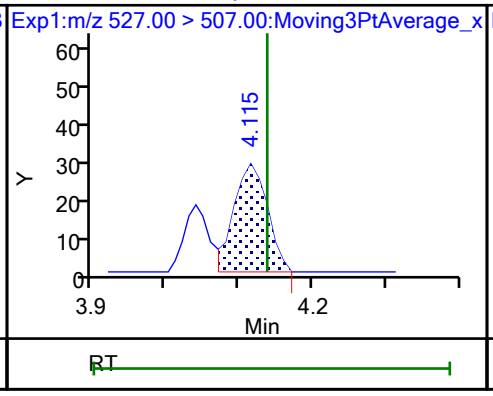
24 Perfluorodecanoic acid (M)



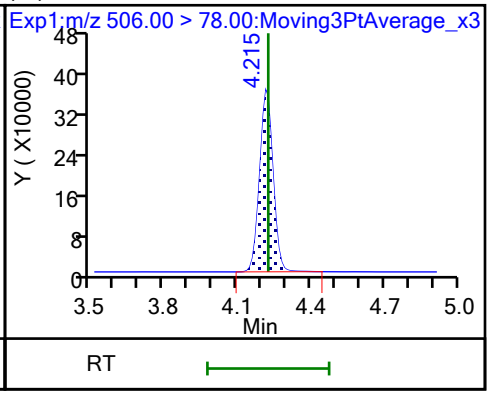
D 26 M2-8:2 FTS



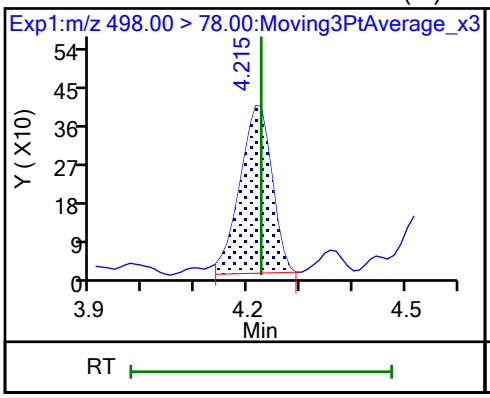
25 1H,1H,2H,2H-perfluorodecanesulfo (M)



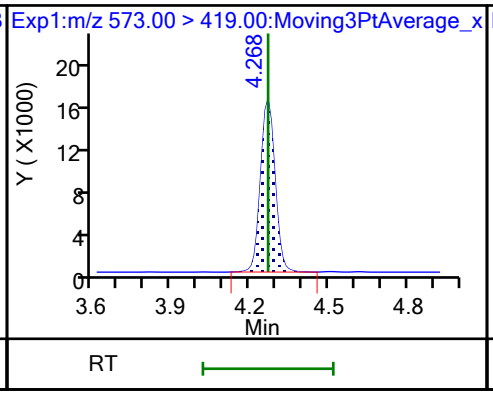
D 21 13C8 FOSA



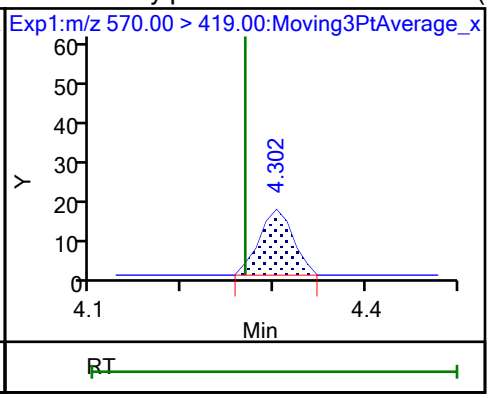
22 Perfluorooctanesulfonamide (M)



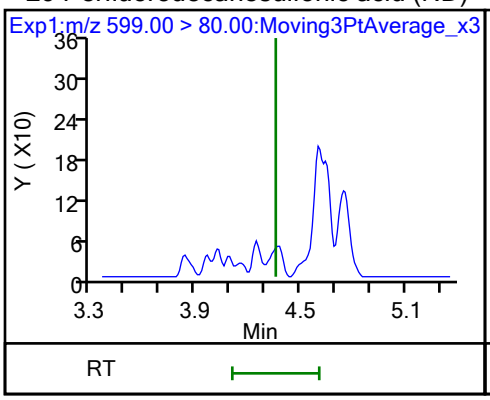
D 27 d3-NMeFOSAA



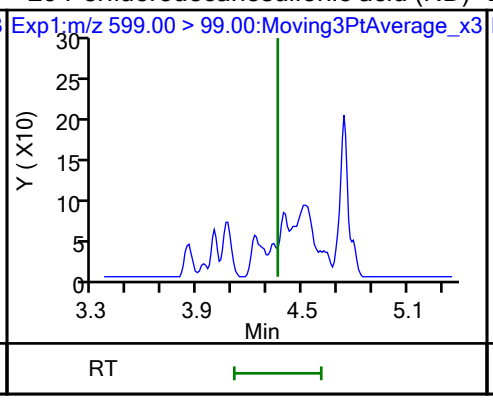
28 N-methylperfluorooctanesulfonami (M)



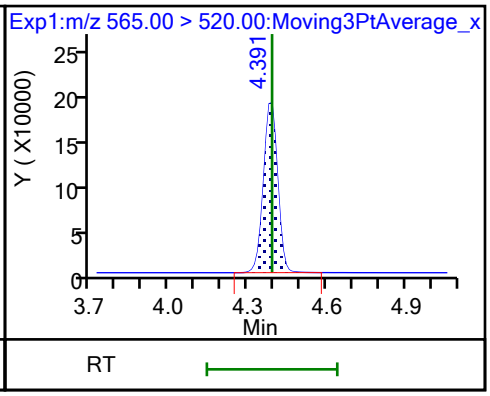
29 Perfluorodecanesulfonic acid (ND)



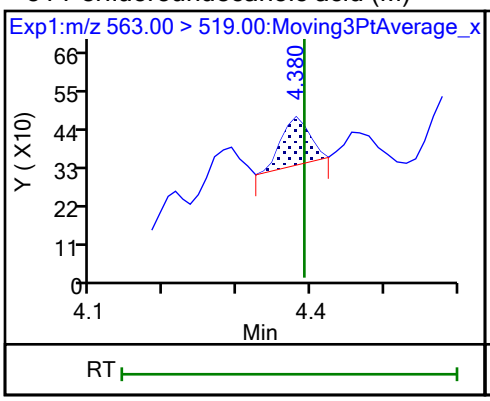
29 Perfluorodecanesulfonic acid (ND)



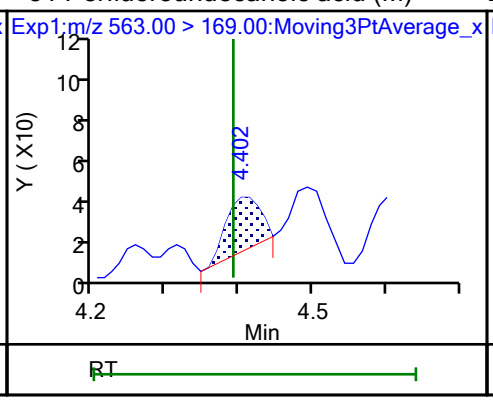
D 30 13C2 PFUnA



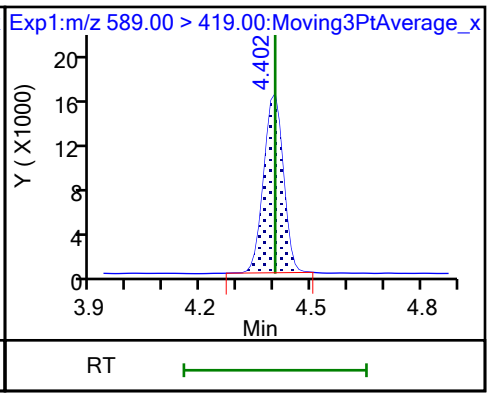
31 Perfluoroundecanoic acid (M)



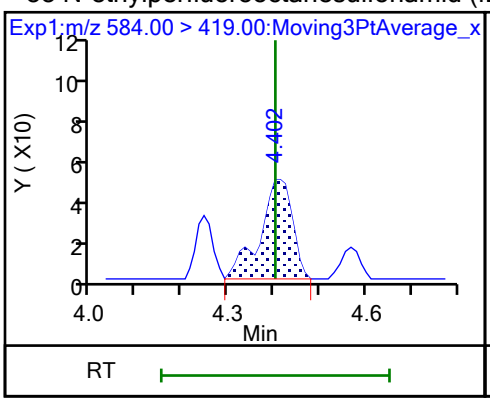
31 Perfluoroundecanoic acid (M)



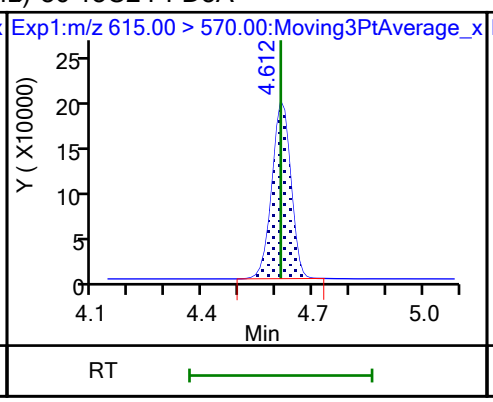
D 32 d5-NEtFOSAA



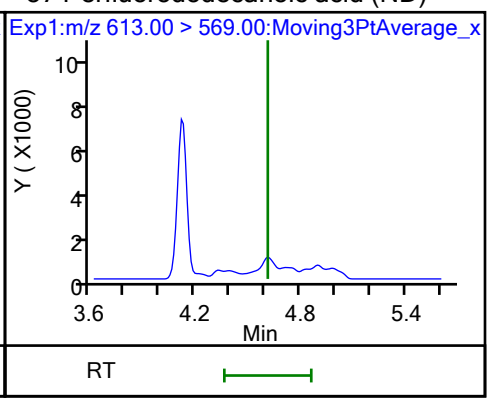
33 N-ethylperfluorooctanesulfonamid (ND)



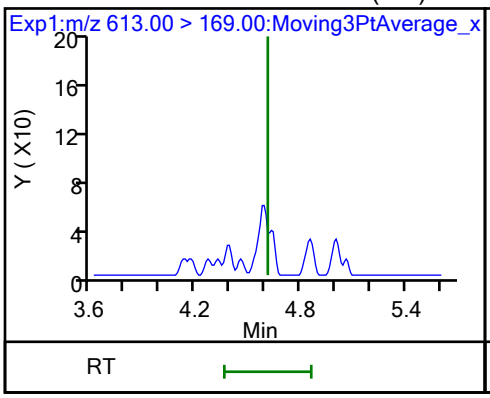
D 36 13C2 PFDoA



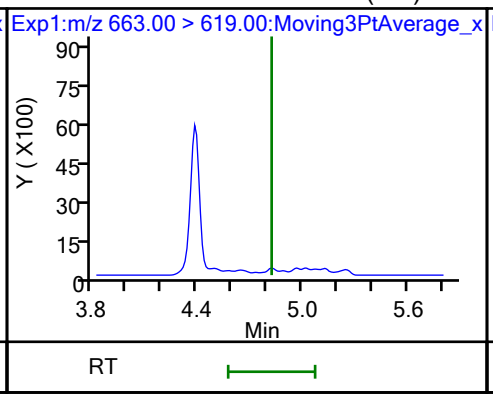
37 Perfluorododecanoic acid (ND)



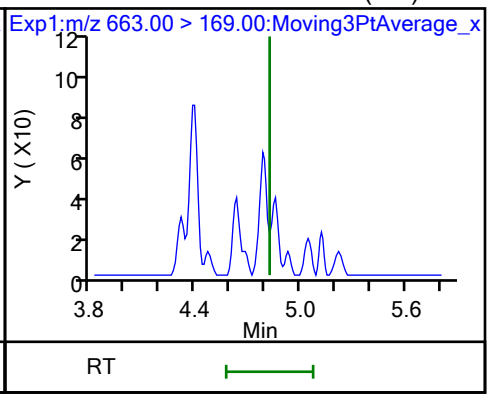
37 Perfluorododecanoic acid (ND)



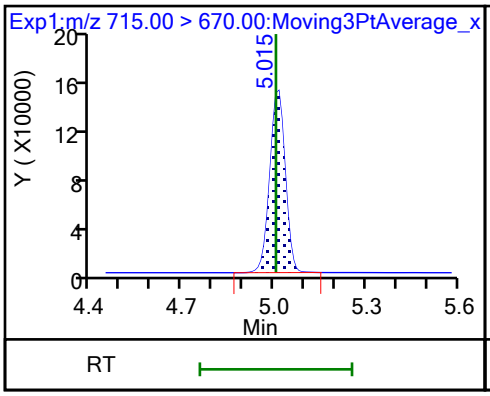
41 Perfluorotridecanoic acid (ND)



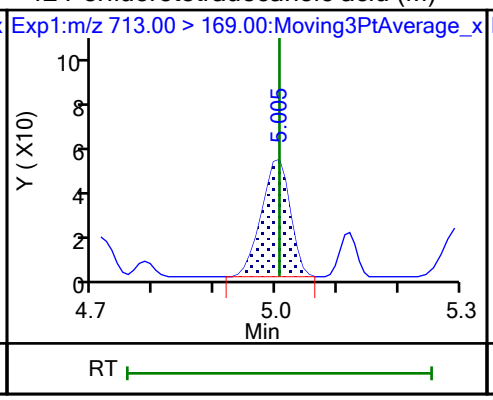
41 Perfluorotridecanoic acid (ND)



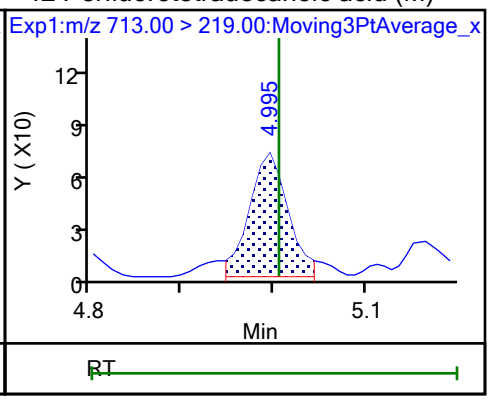
D 43 13C2 PFTeDA



42 Perfluorotetradecanoic acid (M)



42 Perfluorotetradecanoic acid (M)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

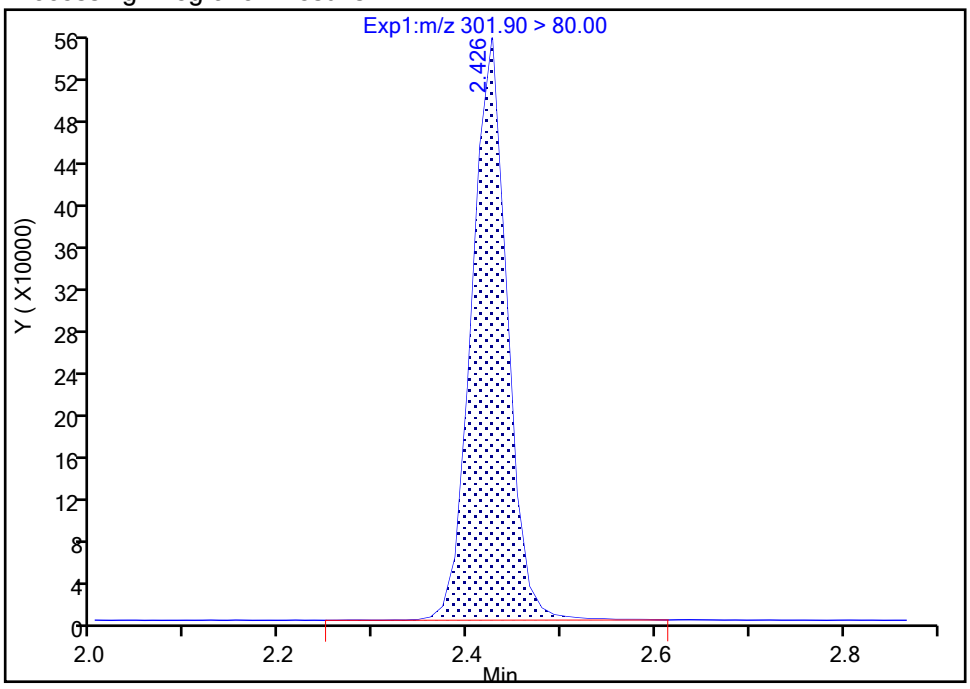
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Injection Date:	03-Mar-2021 22:00:30	Instrument ID:	LC812		
Lims ID:	480-181441-A-12-A	Lab Sample ID:	200-181441-12		
Client ID:	TMW-2D-022421				
Operator ID:	lc812tech	ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

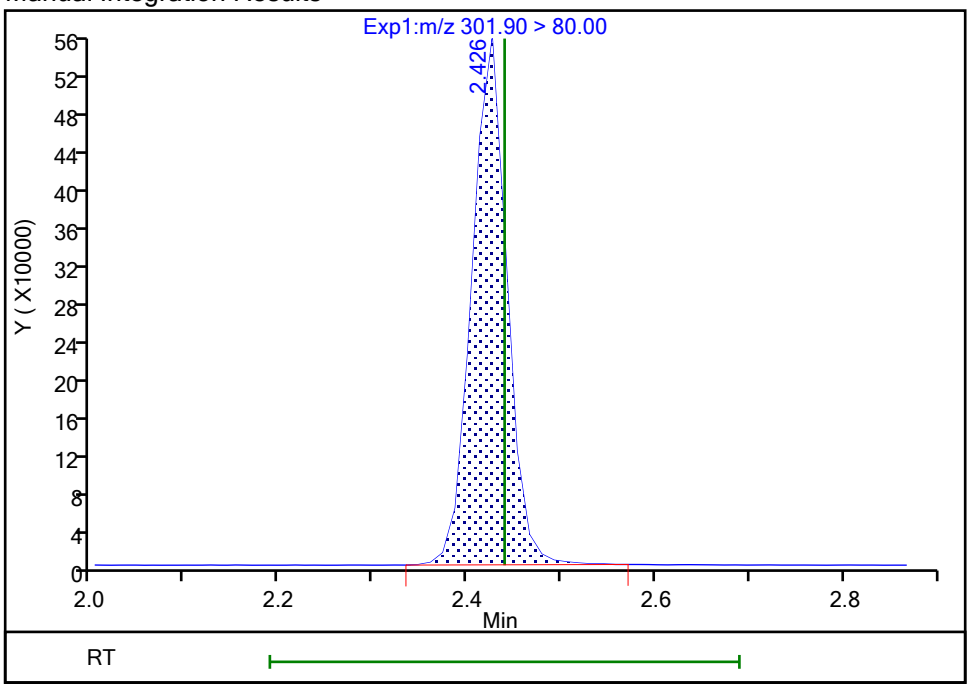
Processing Integration Results

RT: 2.43
Area: 1455310
Amount: 1.143179
Amount Units: ng/ml



Manual Integration Results

RT: 2.43
Area: 1450272
Amount: 1.139222
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:41:06

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

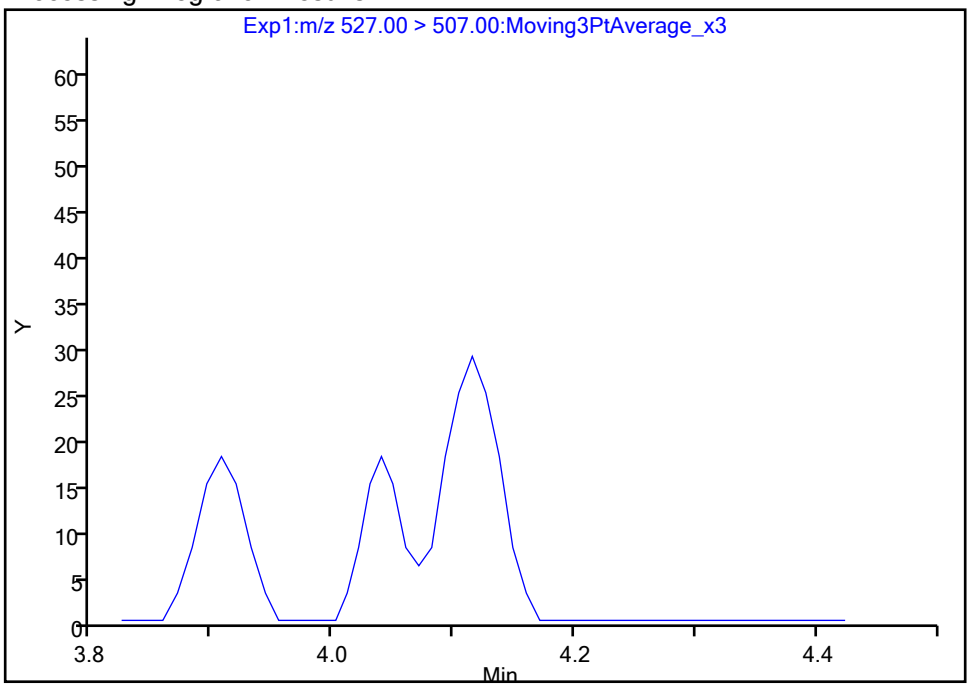
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Injection Date:	03-Mar-2021 22:00:30	Instrument ID:	LC812		
Lims ID:	480-181441-A-12-A	Lab Sample ID:	200-181441-12		
Client ID:	TMW-2D-022421				
Operator ID:	lc812tech	ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

25 1H,1H,2H,2H-perfluorodecanesulfo, CAS: 39108-34-4

Signal: 1

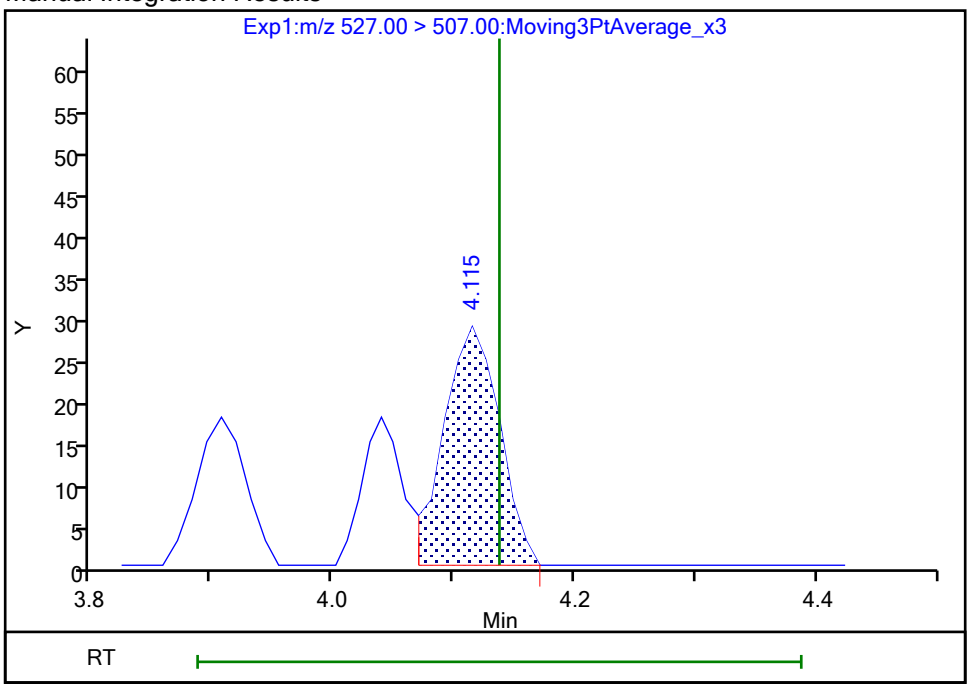
Not Detected
Expected RT: 4.14

Processing Integration Results



Manual Integration Results

RT: 4.11
Area: 91
Amount: 0.001087
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:43:21
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

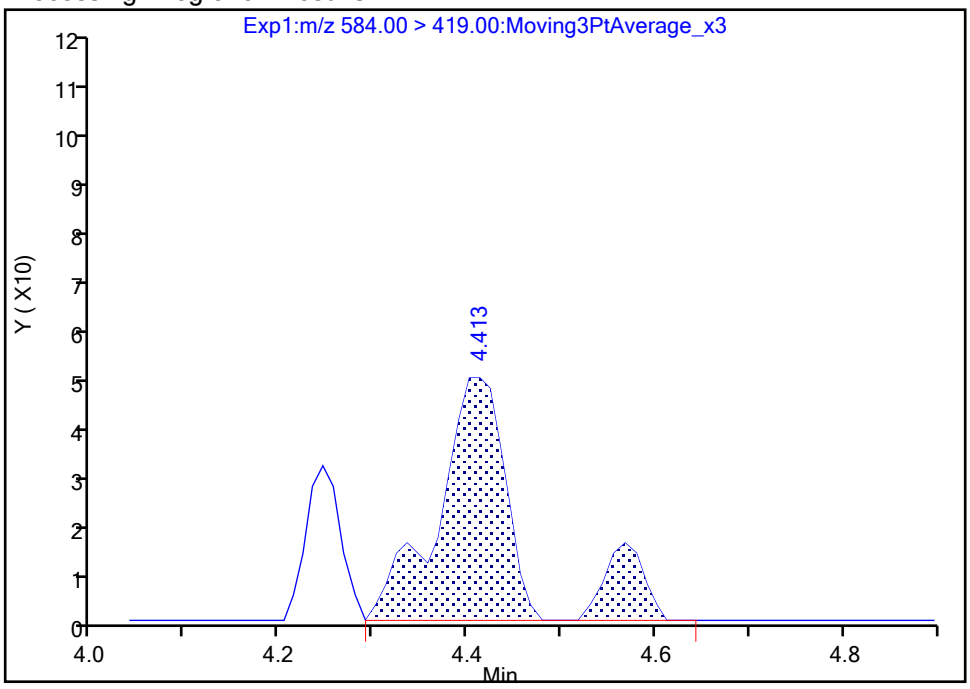
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B23.d				
Injection Date:	03-Mar-2021 22:00:30	Instrument ID:	LC812		
Lims ID:	480-181441-A-12-A	Lab Sample ID:	200-181441-12		
Client ID:	TMW-2D-022421				
Operator ID:	lc812tech	ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

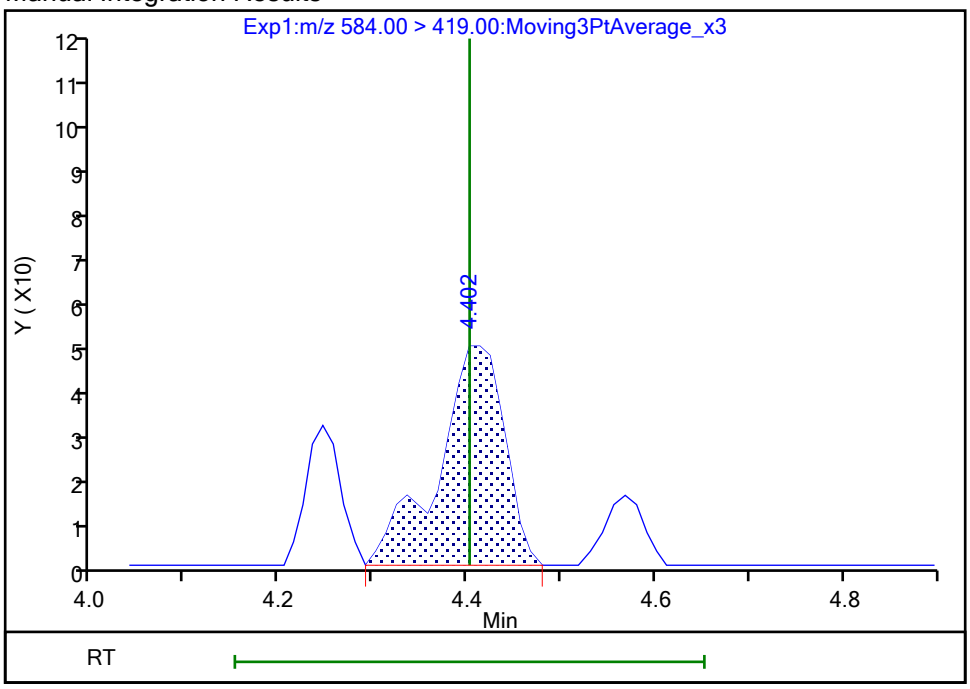
Processing Integration Results

RT: 4.41
Area: 274
Amount: 0.006386
Amount Units: ng/ml



Manual Integration Results

RT: 4.40
Area: 231
Amount: 0.005384
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:43:45
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

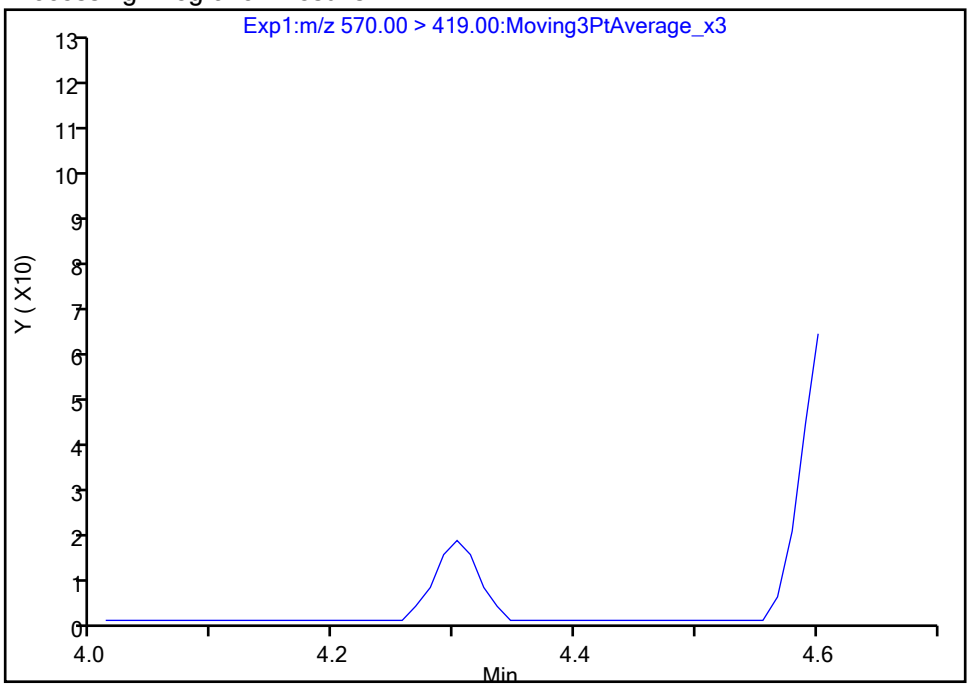
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B23.d				
Injection Date:	03-Mar-2021 22:00:30	Instrument ID:	LC812		
Lims ID:	480-181441-A-12-A	Lab Sample ID:	200-181441-12		
Client ID:	TMW-2D-022421				
Operator ID:	lc812tech	ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

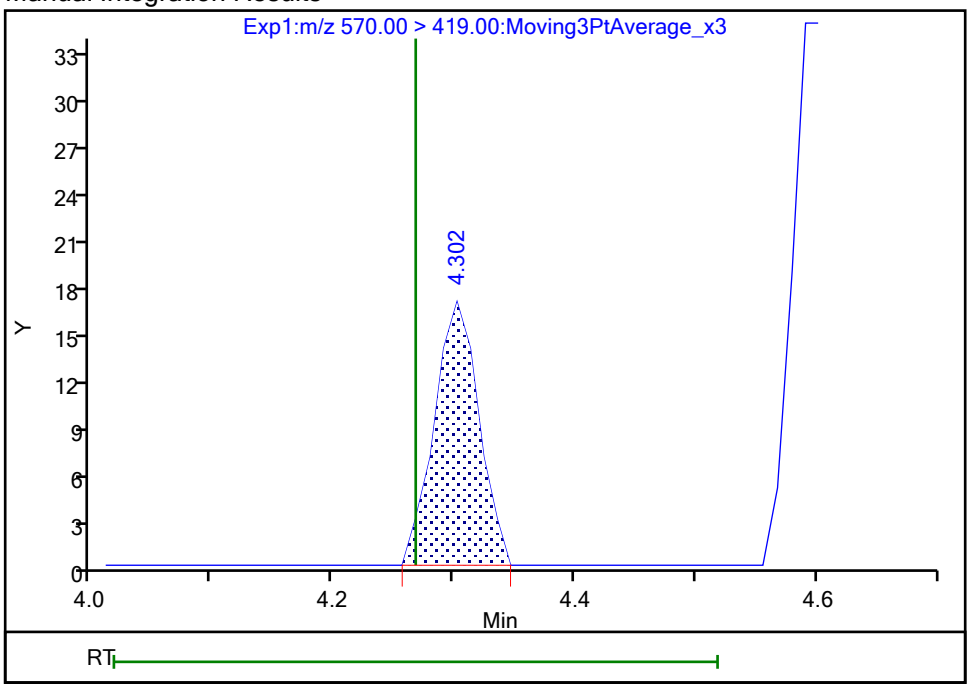
Not Detected
Expected RT: 4.27

Processing Integration Results



Manual Integration Results

RT: 4.30
Area: 43
Amount: 0.000958
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:43:29
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

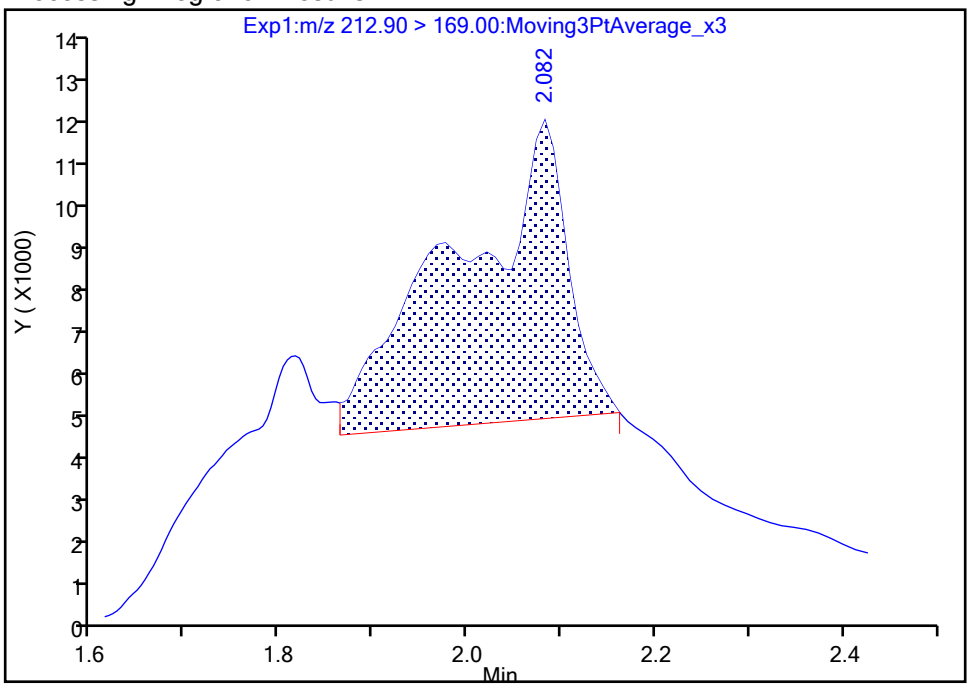
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B23.d				
Injection Date:	03-Mar-2021 22:00:30	Instrument ID:	LC812		
Lims ID:	480-181441-A-12-A	Lab Sample ID:	200-181441-12		
Client ID:	TMW-2D-022421				
Operator ID:	lc812tech	ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

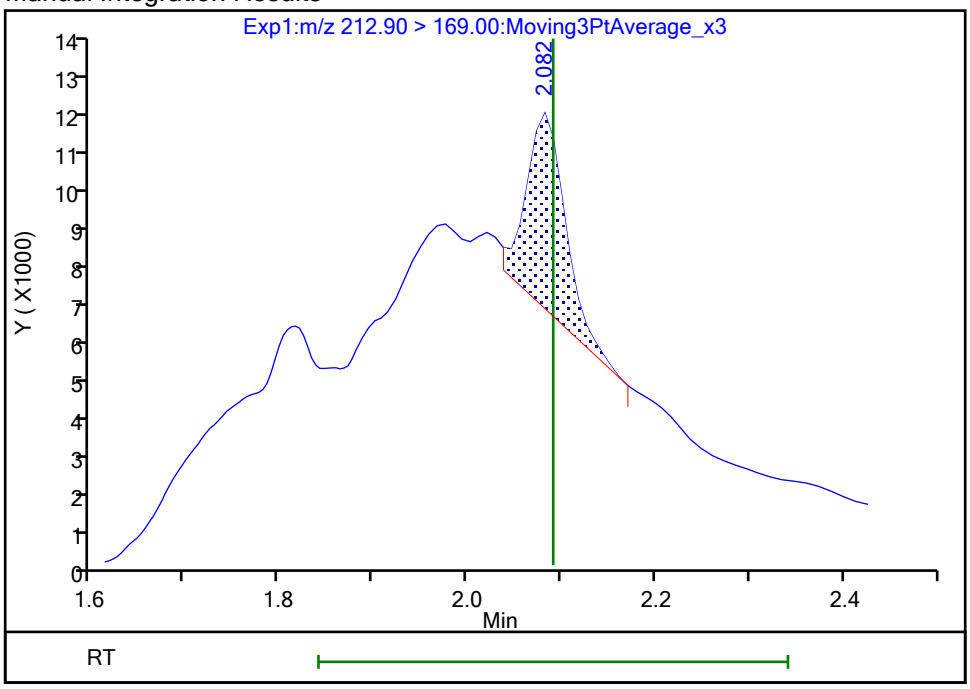
Processing Integration Results

RT: 2.08
Area: 53344
Amount: 0.045818
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 13480
Amount: 0.011578
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:41:30

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

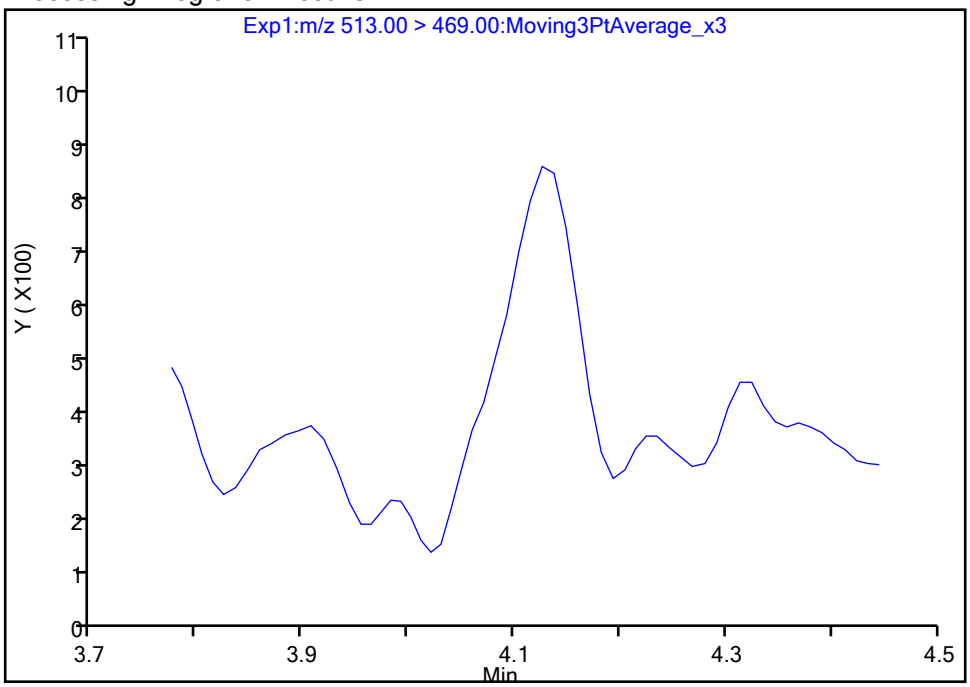
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Lims ID:	480-181441-A-12-A	Lab Sample ID:	200-181441-12		
Client ID:	TMW-2D-022421				
Operator ID:	lc812tech	ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

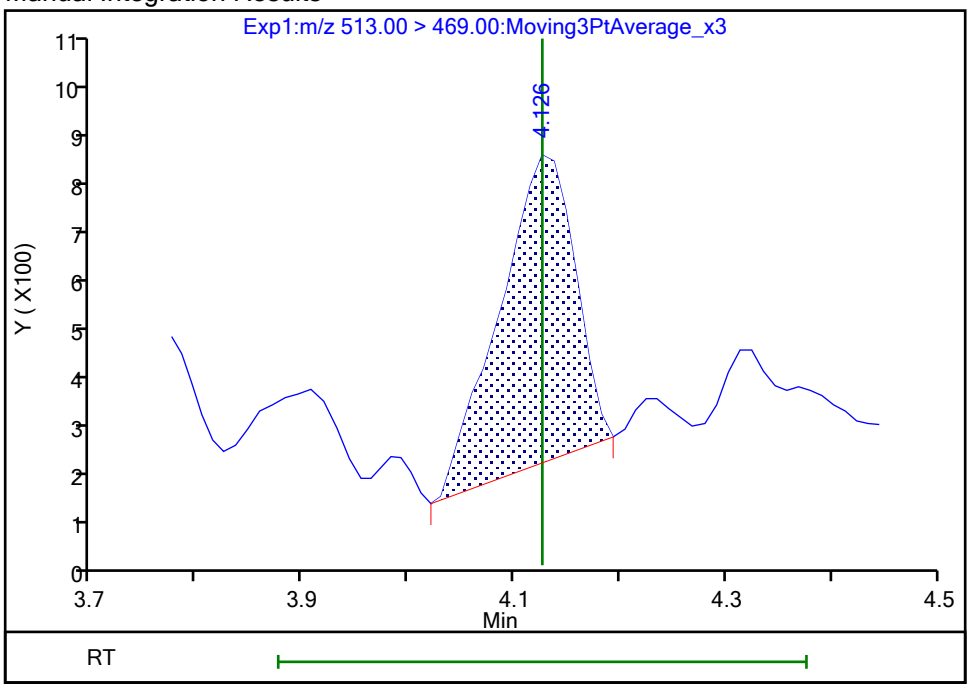
Not Detected
Expected RT: 4.13

Processing Integration Results



Manual Integration Results

RT: 4.13
Area: 2952
Amount: 0.003469
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:43:09
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

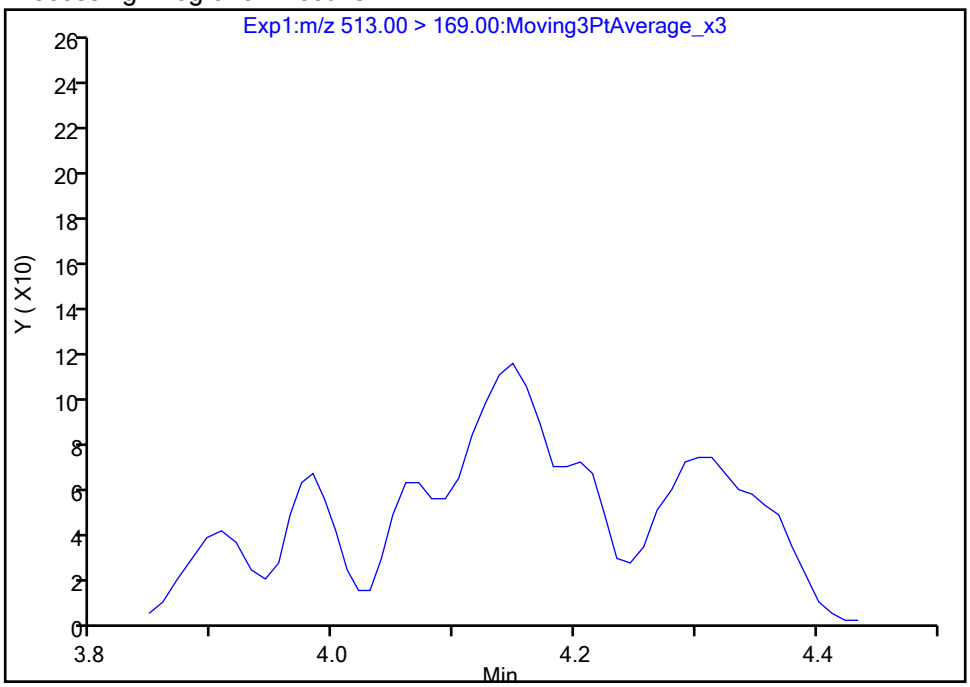
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B23.d				
Injection Date:	03-Mar-2021 22:00:30	Instrument ID:	LC812		
Lims ID:	480-181441-A-12-A	Lab Sample ID:	200-181441-12		
Client ID:	TMW-2D-022421				
Operator ID:	lc812tech	ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

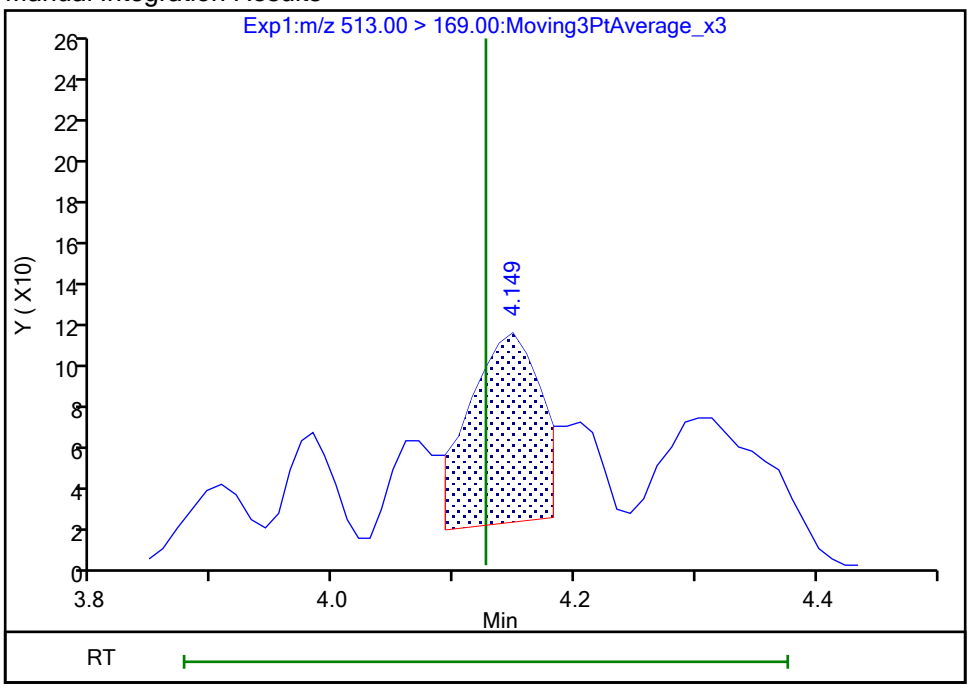
Not Detected
Expected RT: 4.13

Processing Integration Results



Manual Integration Results

RT: 4.15
Area: 365
Amount: 0.003469
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:43:14
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

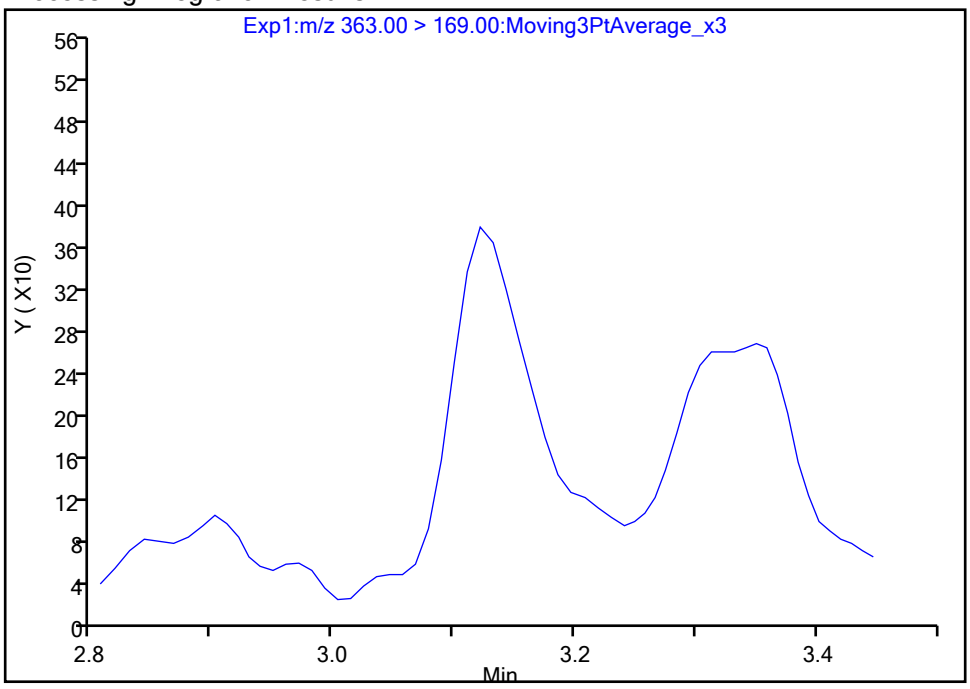
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B23.d				
Injection Date:	03-Mar-2021 22:00:30	Instrument ID:	LC812		
Lims ID:	480-181441-A-12-A	Lab Sample ID:	200-181441-12		
Client ID:	TMW-2D-022421				
Operator ID:	lc812tech	ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

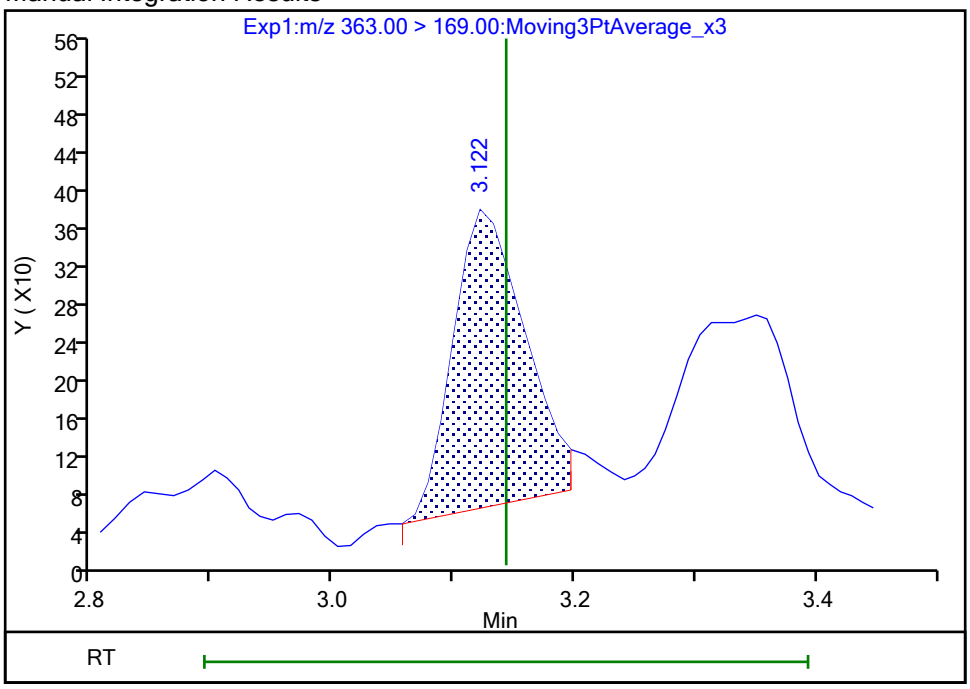
Not Detected
Expected RT: 3.14

Processing Integration Results



Manual Integration Results

RT: 3.12
Area: 1302
Amount: 0.004649
Amount Units: ng/ml



Reviewer: deannd, 04-Mar-2021 10:18:25
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

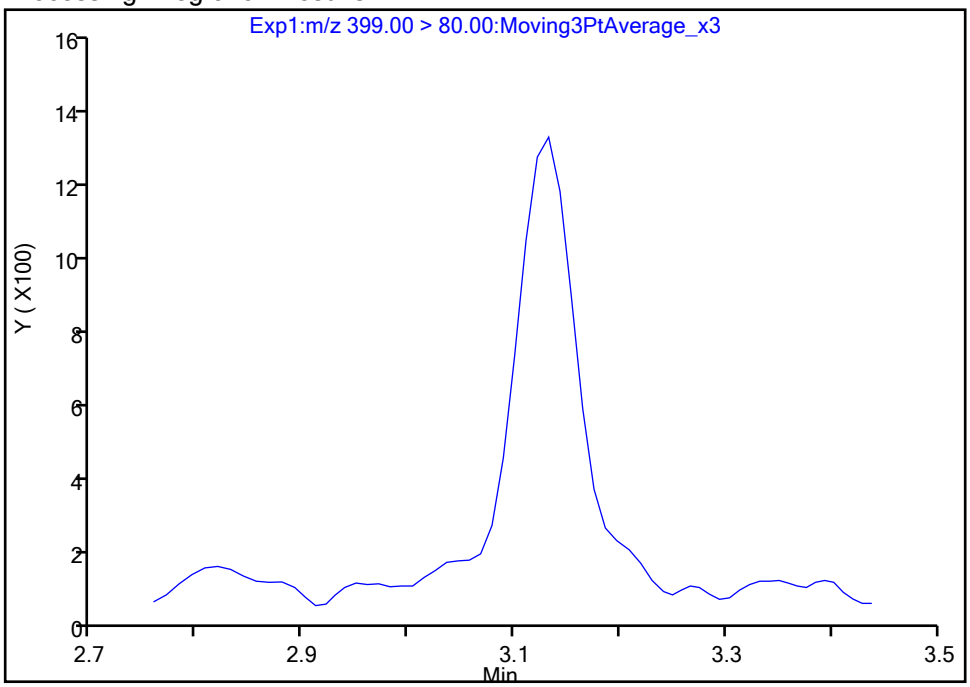
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B23.d				
Injection Date:	03-Mar-2021 22:00:30	Instrument ID:	LC812		
Lims ID:	480-181441-A-12-A	Lab Sample ID:	200-181441-12		
Client ID:	TMW-2D-022421				
Operator ID:	lc812tech	ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

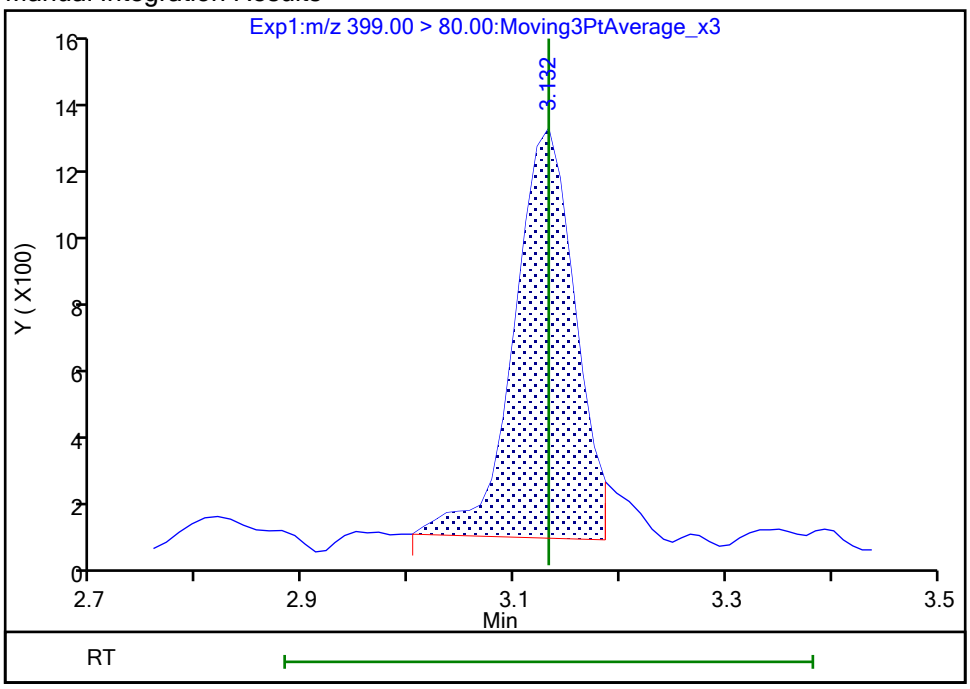
Not Detected
Expected RT: 3.13

Processing Integration Results



Manual Integration Results

RT: 3.13
Area: 4903
Amount: 0.004346
Amount Units: ng/ml



Reviewer: deannd, 04-Mar-2021 10:18:15
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

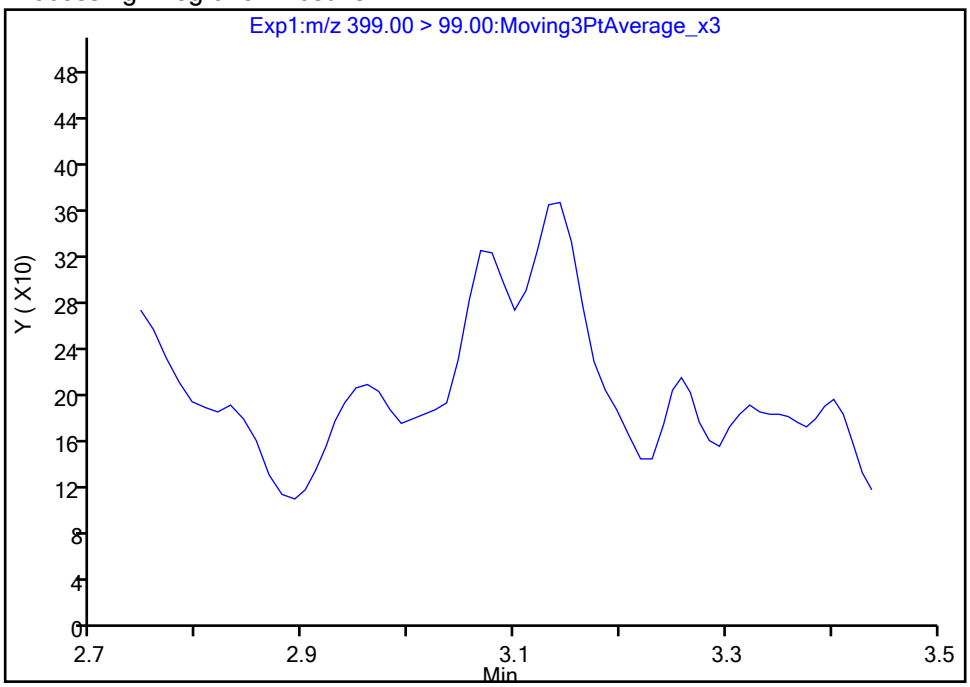
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Injection Date:	03-Mar-2021 22:00:30	Instrument ID:	LC812		
Lims ID:	480-181441-A-12-A	Lab Sample ID:	200-181441-12		
Client ID:	TMW-2D-022421				
Operator ID:	lc812tech	ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

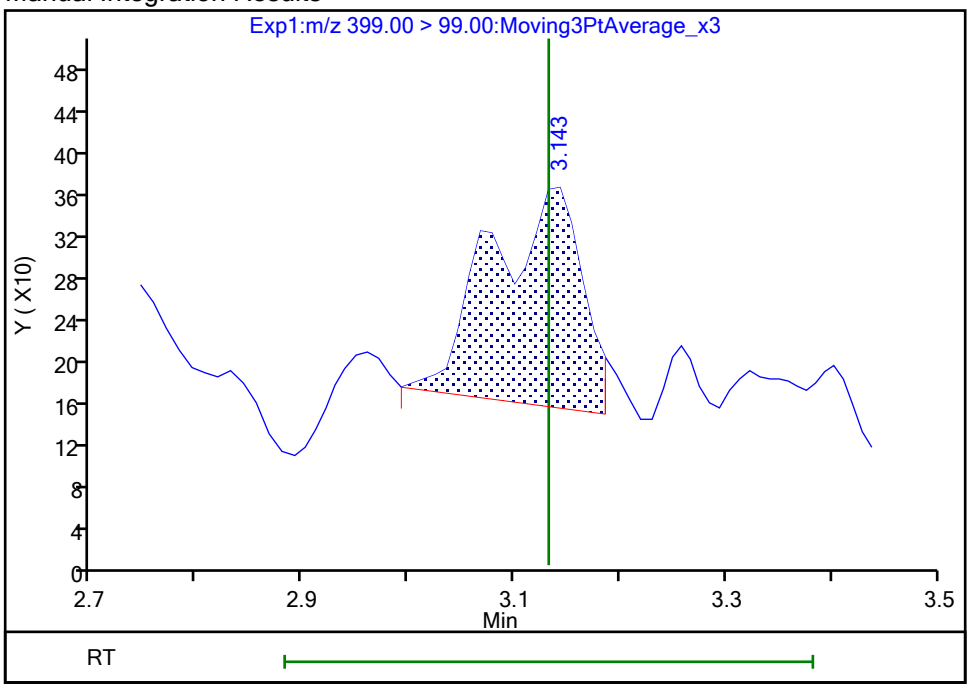
Not Detected
Expected RT: 3.13

Processing Integration Results



Manual Integration Results

RT: 3.14
Area: 1250
Amount: 0.004346
Amount Units: ng/ml



Reviewer: deannd, 04-Mar-2021 10:18:18
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

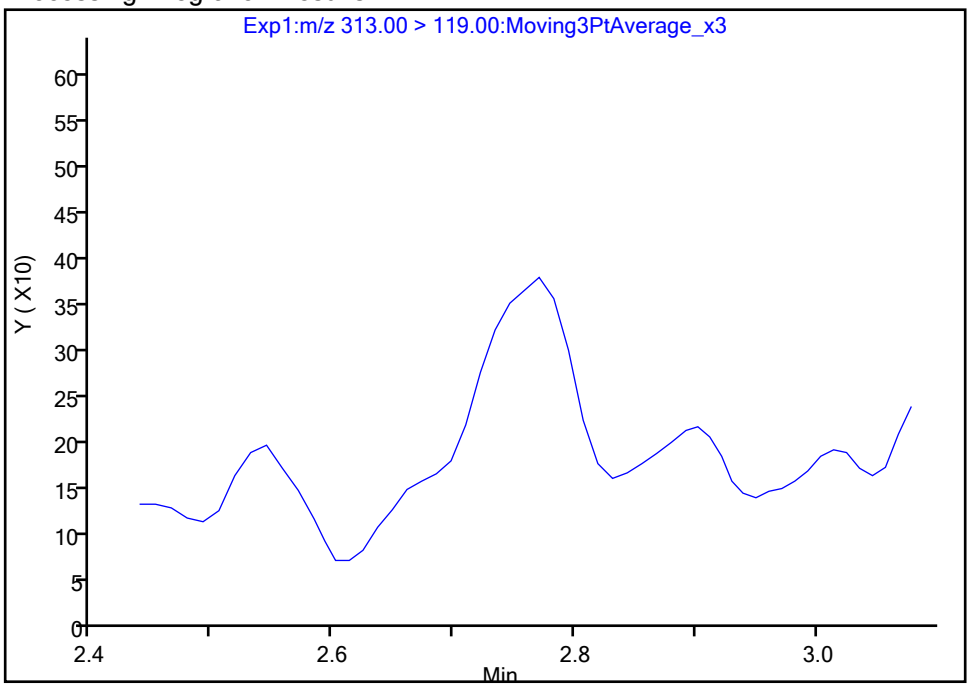
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B23.d				
Injection Date:	03-Mar-2021 22:00:30	Instrument ID:	LC812		
Lims ID:	480-181441-A-12-A	Lab Sample ID:	200-181441-12		
Client ID:	TMW-2D-022421				
Operator ID:	lc812tech	ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

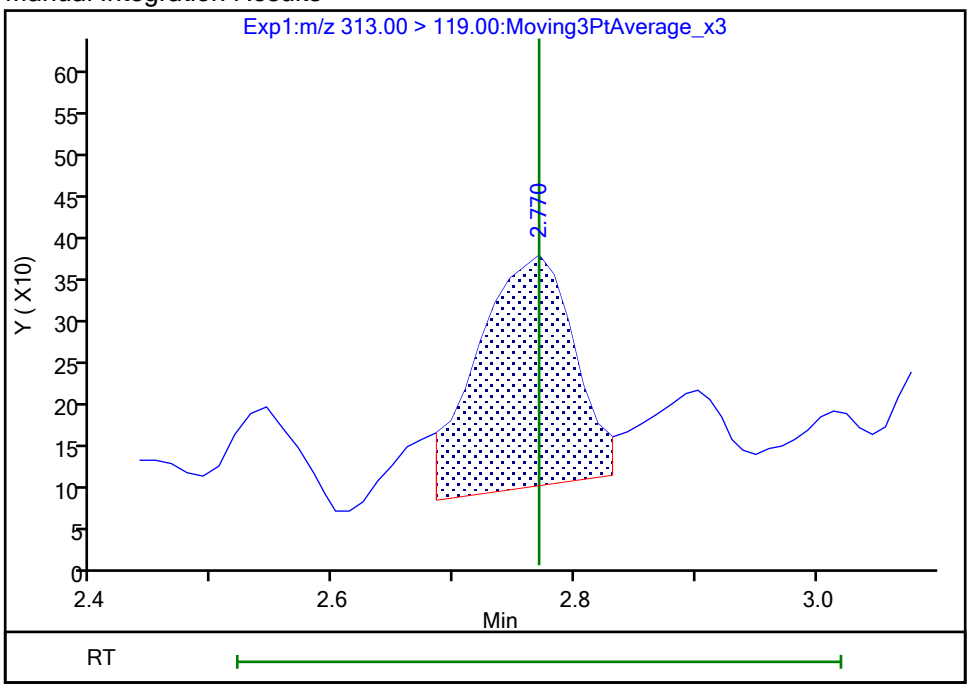
Not Detected
Expected RT: 2.77

Processing Integration Results



Manual Integration Results

RT: 2.77
Area: 1541
Amount: 0.008083
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:41:50
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

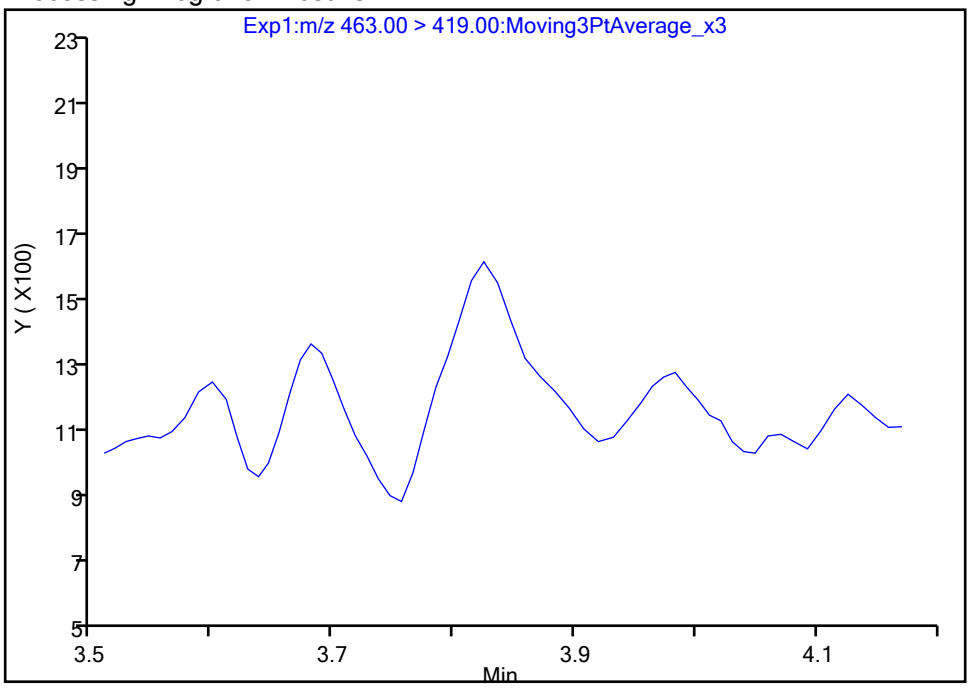
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B23.d				
Injection Date:	03-Mar-2021 22:00:30	Instrument ID:	LC812		
Lims ID:	480-181441-A-12-A	Lab Sample ID:	200-181441-12		
Client ID:	TMW-2D-022421				
Operator ID:	lc812tech	ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

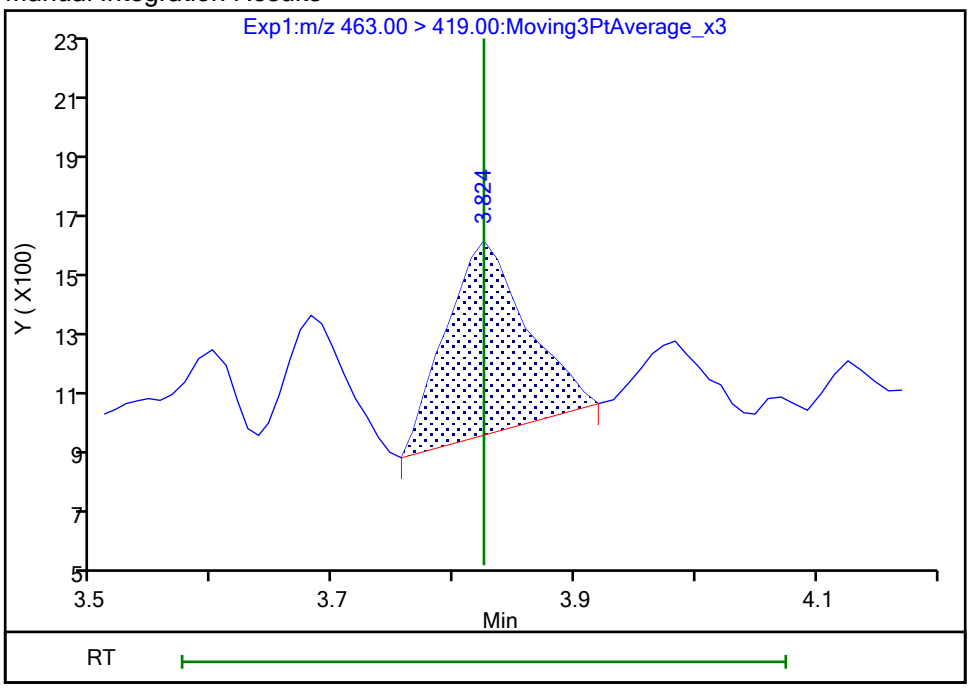
Not Detected
Expected RT: 3.82

Processing Integration Results



Manual Integration Results

RT: 3.82
Area: 3022
Amount: 0.003082
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:42:58
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

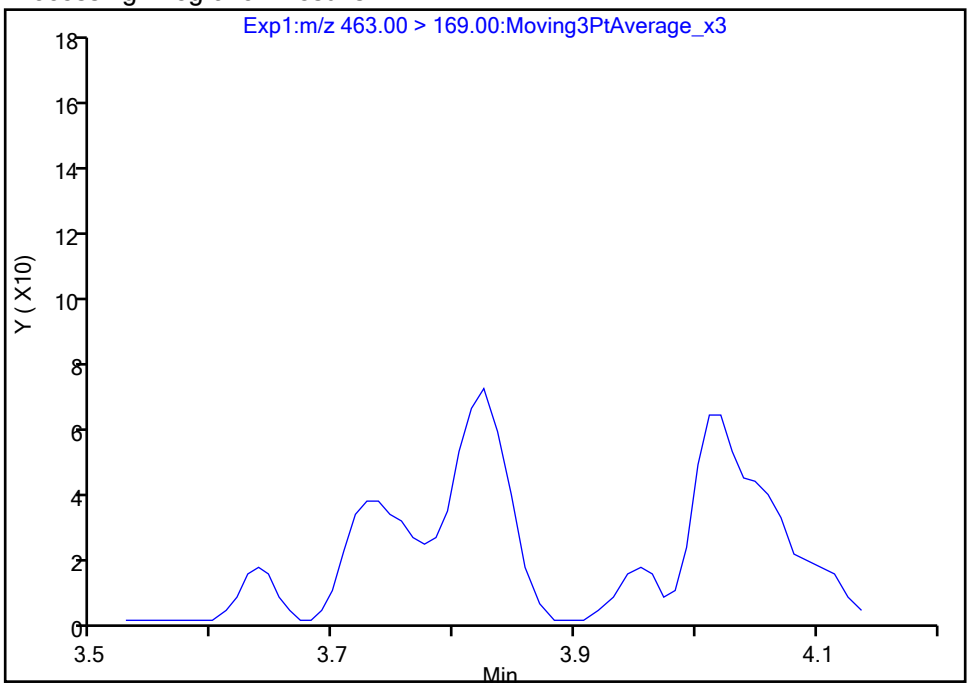
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Injection Date:	03-Mar-2021 22:00:30	Instrument ID:	LC812		
Lims ID:	480-181441-A-12-A	Lab Sample ID:	200-181441-12		
Client ID:	TMW-2D-022421				
Operator ID:	lc812tech	ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

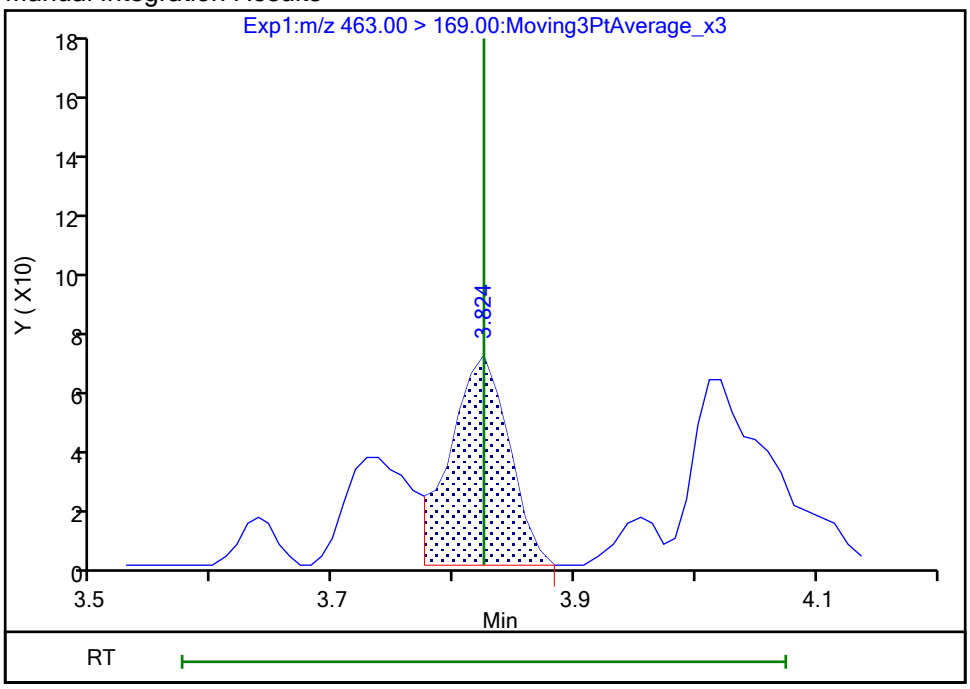
Not Detected
Expected RT: 3.82

Processing Integration Results



Manual Integration Results

RT: 3.82
Area: 234
Amount: 0.003082
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:43:02
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

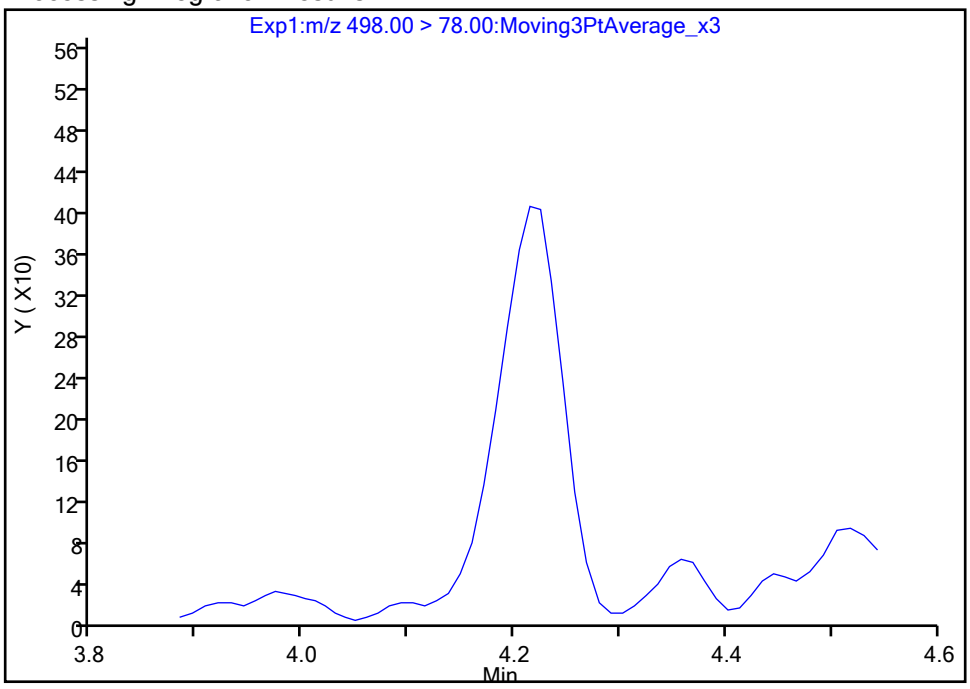
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B23.d				
Injection Date:	03-Mar-2021 22:00:30	Instrument ID:	LC812		
Lims ID:	480-181441-A-12-A	Lab Sample ID:	200-181441-12		
Client ID:	TMW-2D-022421				
Operator ID:	lc812tech	ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

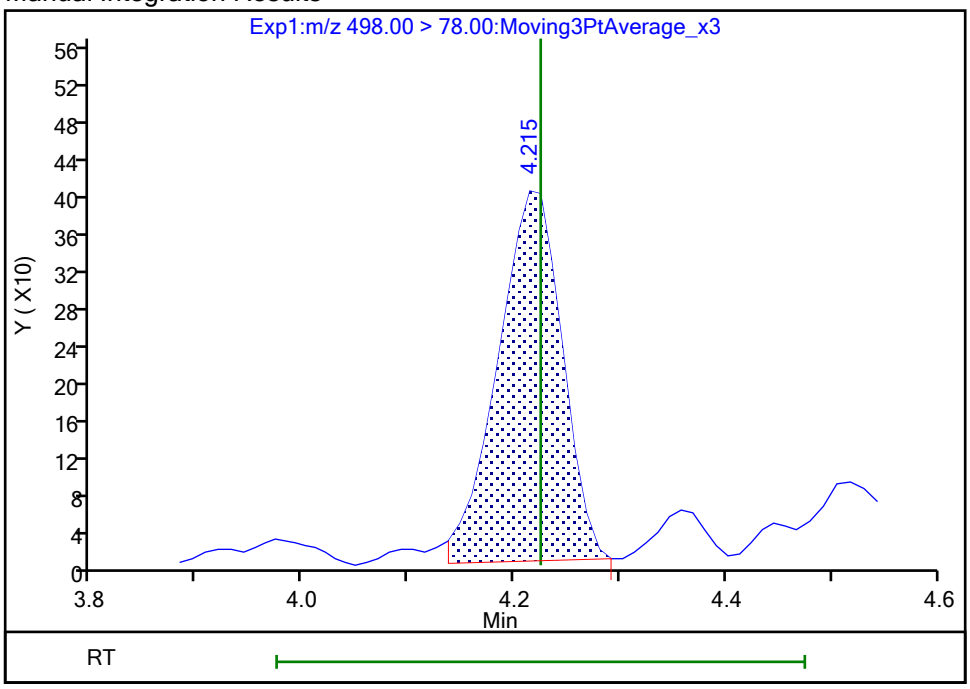
Not Detected
Expected RT: 4.22

Processing Integration Results



Manual Integration Results

RT: 4.21
Area: 1670
Amount: 0.001521
Amount Units: ng/ml



Reviewer: deannd, 04-Mar-2021 10:18:50
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

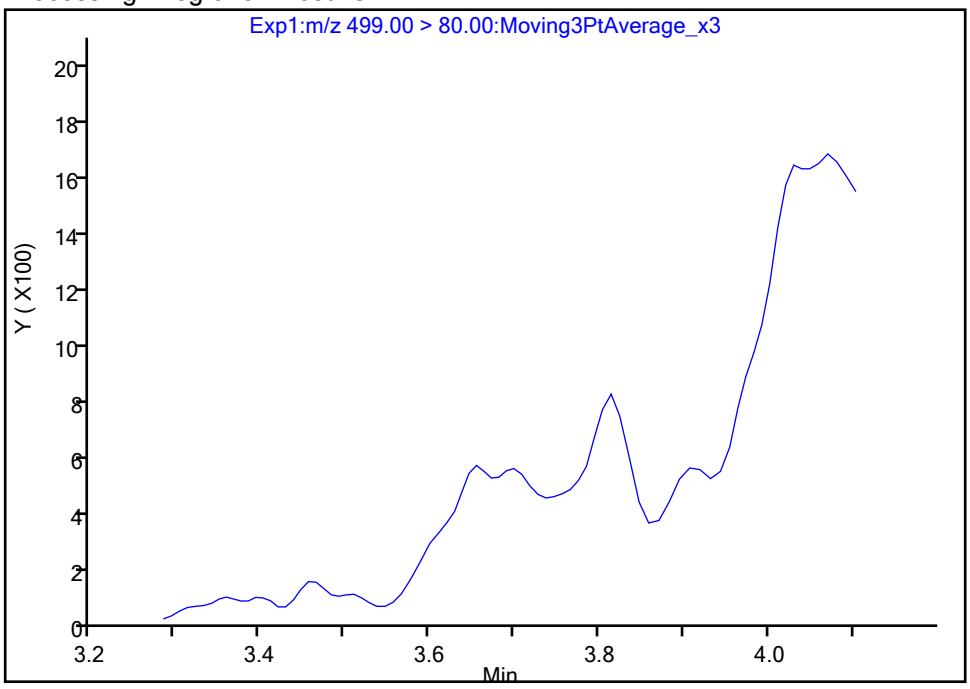
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B23.d				
Injection Date:	03-Mar-2021 22:00:30	Instrument ID:	LC812		
Lims ID:	480-181441-A-12-A	Lab Sample ID:	200-181441-12		
Client ID:	TMW-2D-022421				
Operator ID:	lc812tech	ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

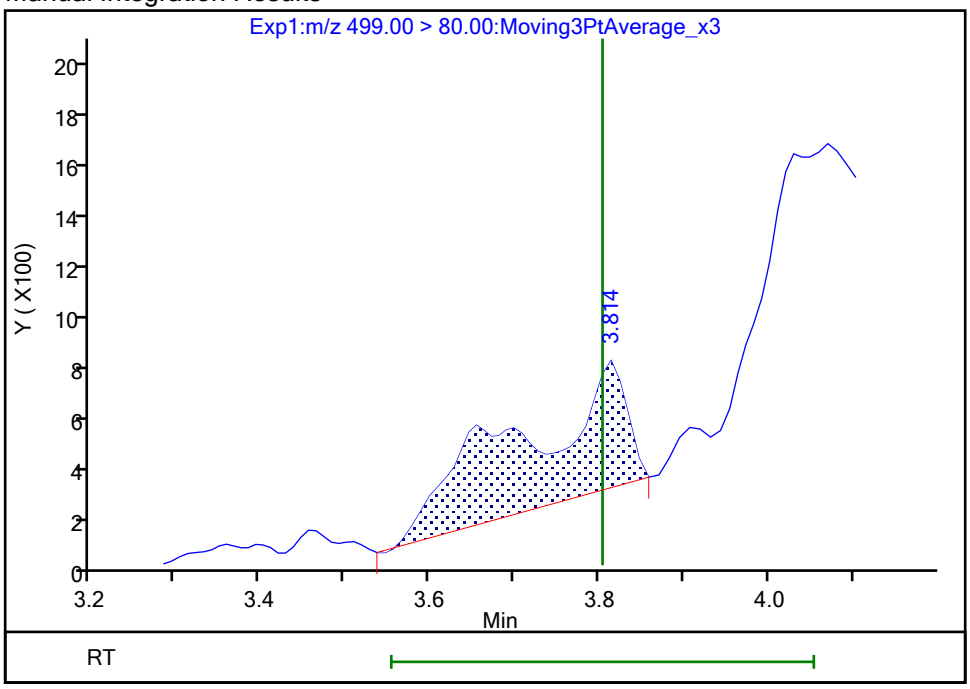
Not Detected
Expected RT: 3.80

Processing Integration Results



Manual Integration Results

RT: 3.81
Area: 4563
Amount: 0.005886
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:42:27
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

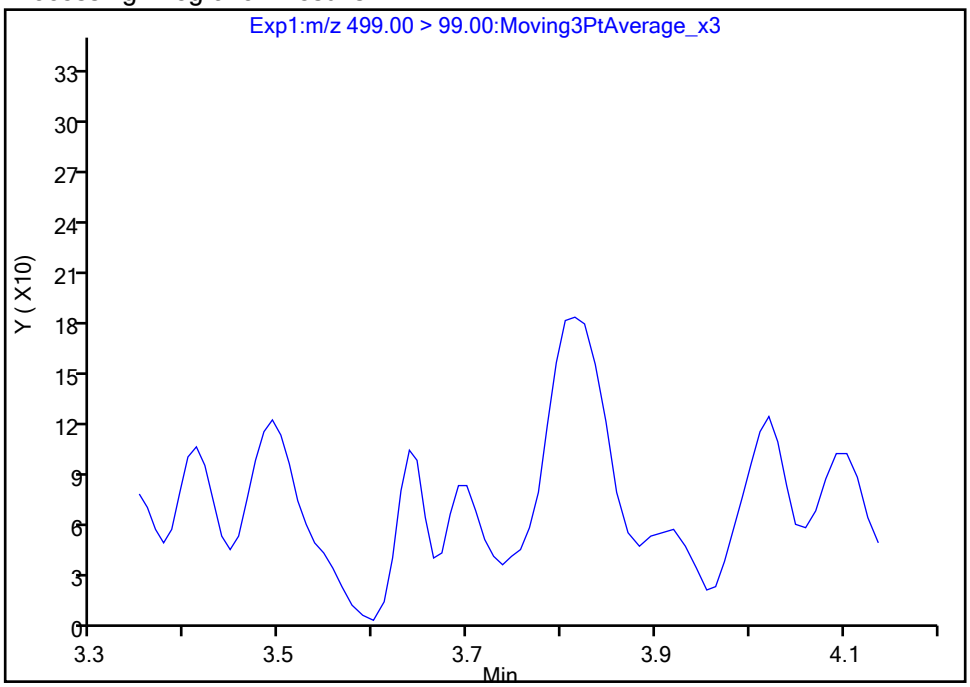
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B23.d				
Injection Date:	03-Mar-2021 22:00:30	Instrument ID:	LC812		
Lims ID:	480-181441-A-12-A	Lab Sample ID:	200-181441-12		
Client ID:	TMW-2D-022421				
Operator ID:	lc812tech	ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

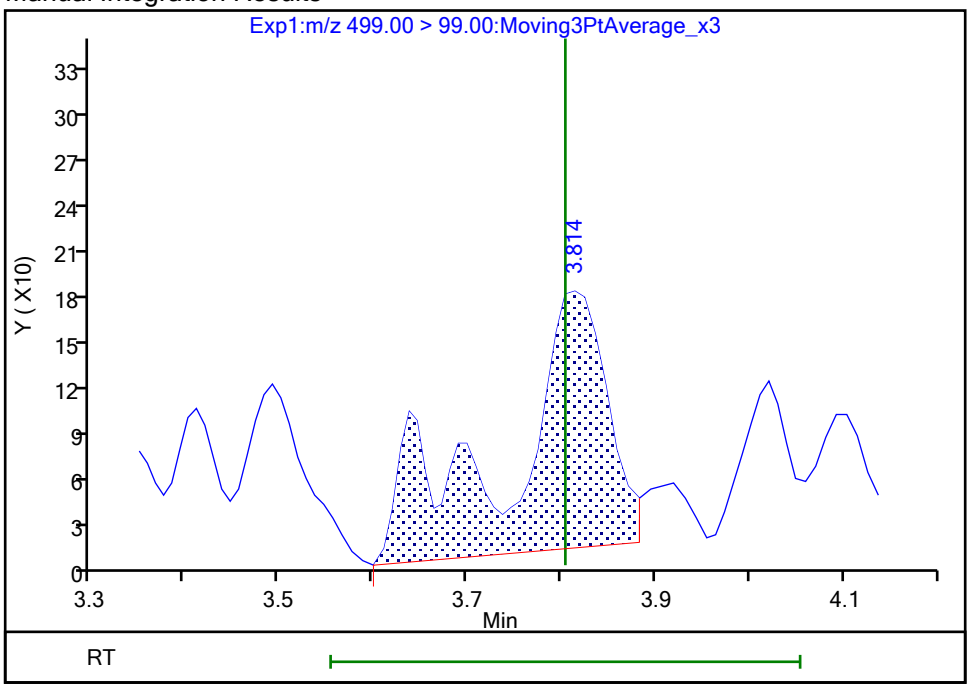
Not Detected
Expected RT: 3.80

Processing Integration Results



Manual Integration Results

RT: 3.81
Area: 1236
Amount: 0.005886
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:42:50
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

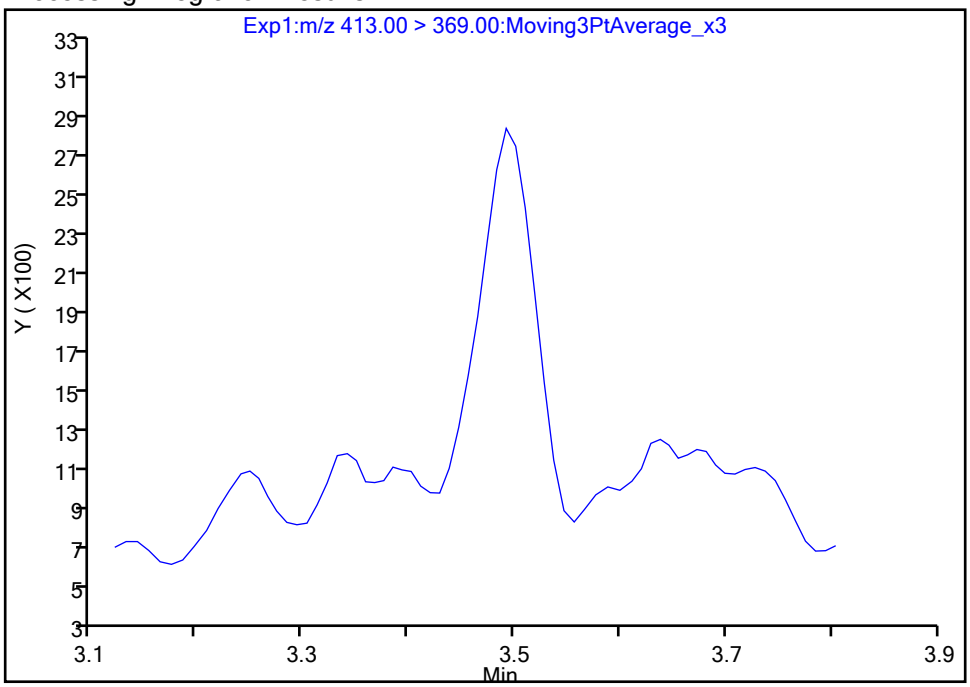
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B23.d				
Injection Date:	03-Mar-2021 22:00:30	Instrument ID:	LC812		
Lims ID:	480-181441-A-12-A	Lab Sample ID:	200-181441-12		
Client ID:	TMW-2D-022421				
Operator ID:	lc812tech	ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

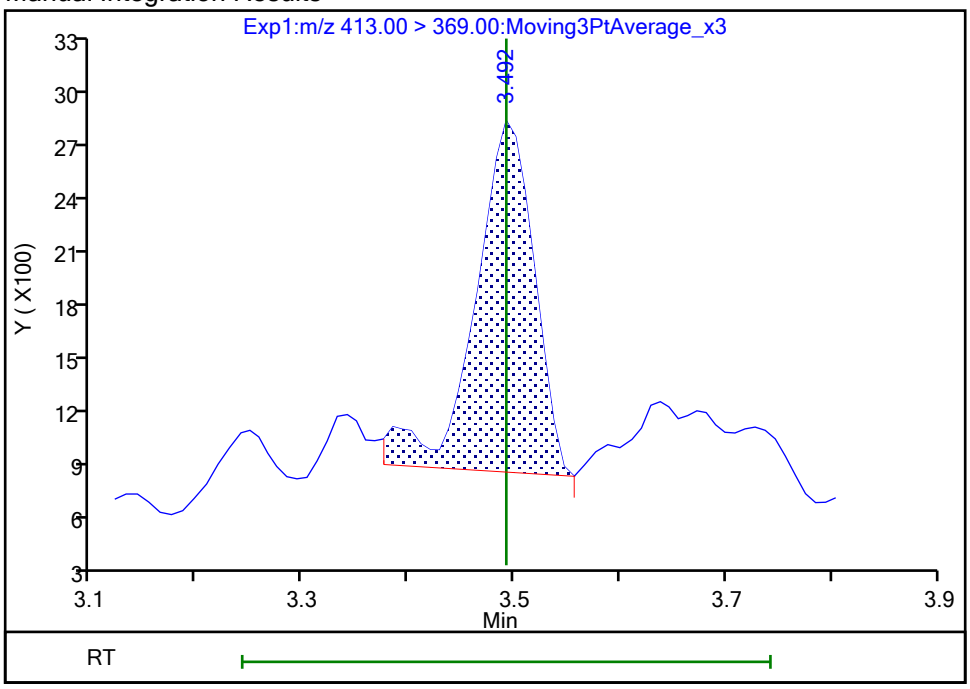
Not Detected
Expected RT: 3.49

Processing Integration Results



Manual Integration Results

RT: 3.49
Area: 7620
Amount: 0.006770
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:42:18
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

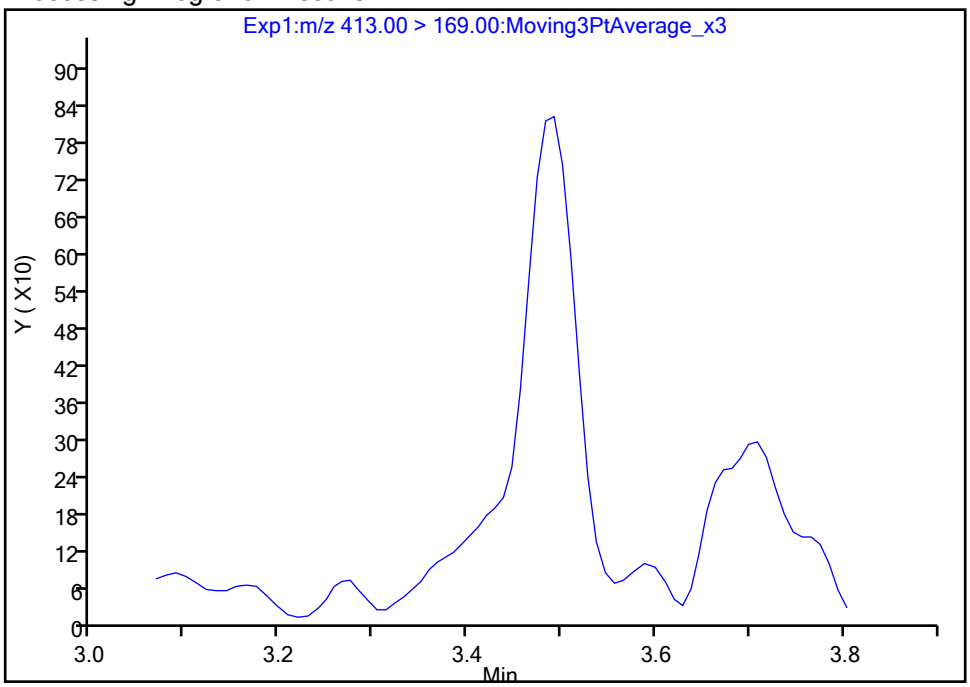
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B23.d				
Injection Date:	03-Mar-2021 22:00:30	Instrument ID:	LC812		
Lims ID:	480-181441-A-12-A	Lab Sample ID:	200-181441-12		
Client ID:	TMW-2D-022421				
Operator ID:	lc812tech	ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

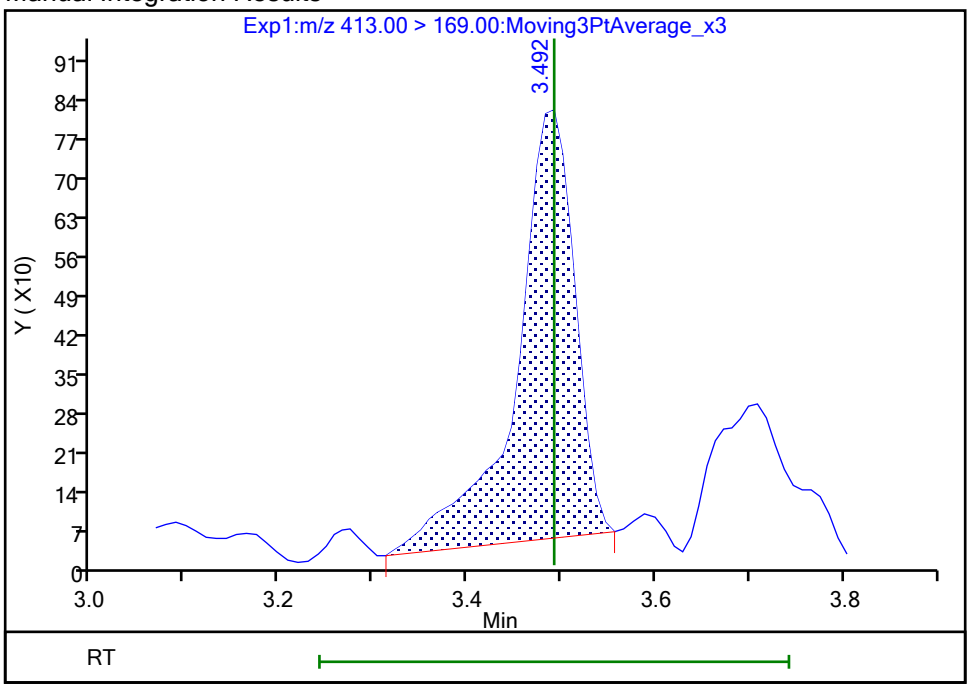
Not Detected
Expected RT: 3.49

Processing Integration Results



Manual Integration Results

RT: 3.49
Area: 3341
Amount: 0.006770
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:42:20
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

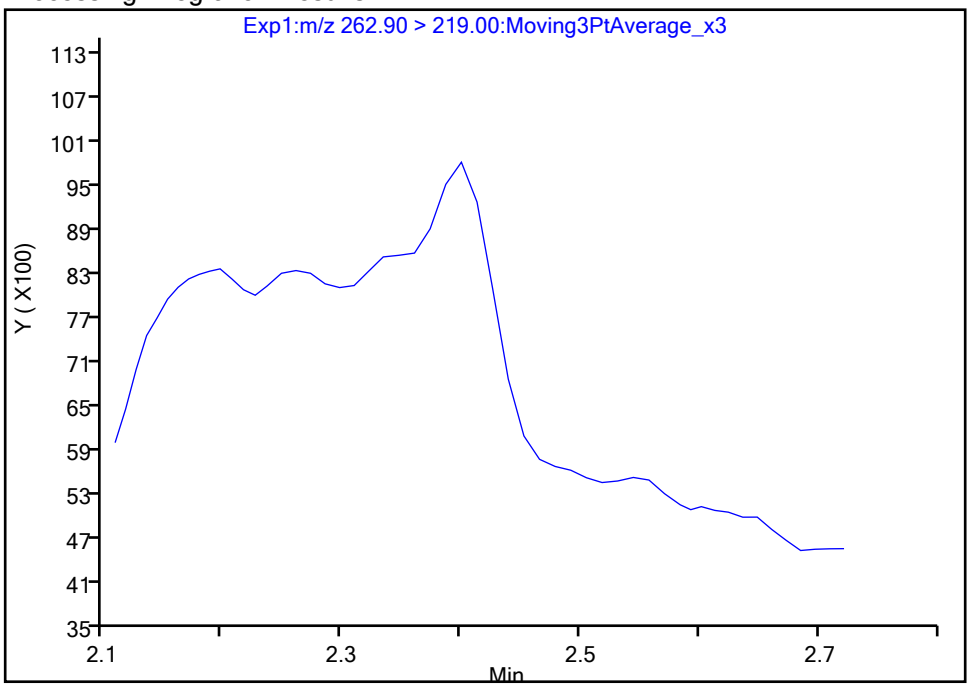
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B23.d				
Injection Date:	03-Mar-2021 22:00:30	Instrument ID:	LC812		
Lims ID:	480-181441-A-12-A	Lab Sample ID:	200-181441-12		
Client ID:	TMW-2D-022421				
Operator ID:	lc812tech	ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

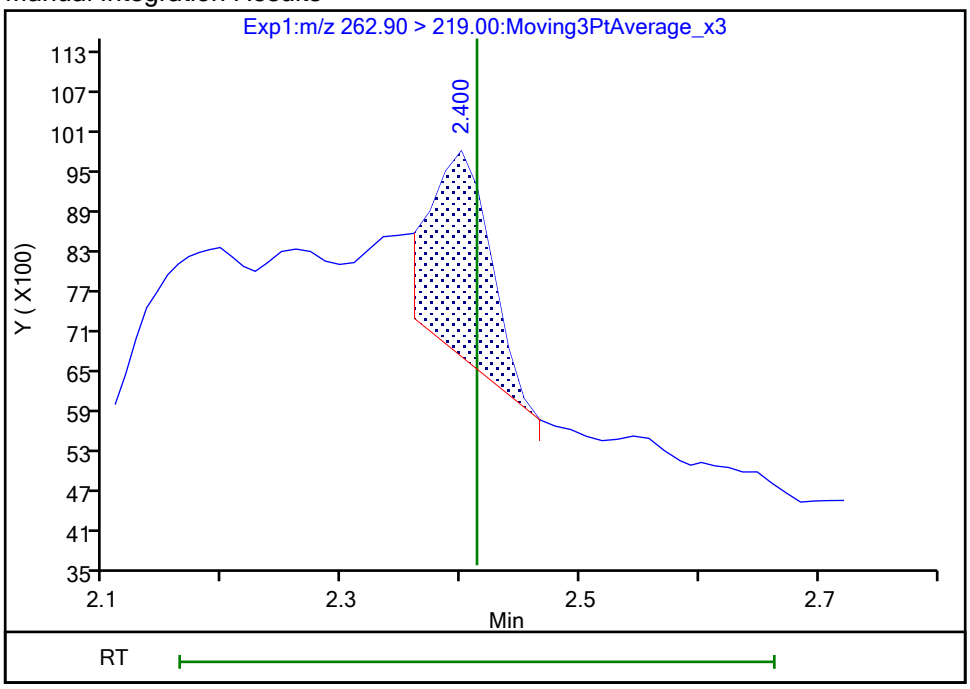
Not Detected
Expected RT: 2.41

Processing Integration Results



Manual Integration Results

RT: 2.40
Area: 10584
Amount: 0.009517
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:41:38
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

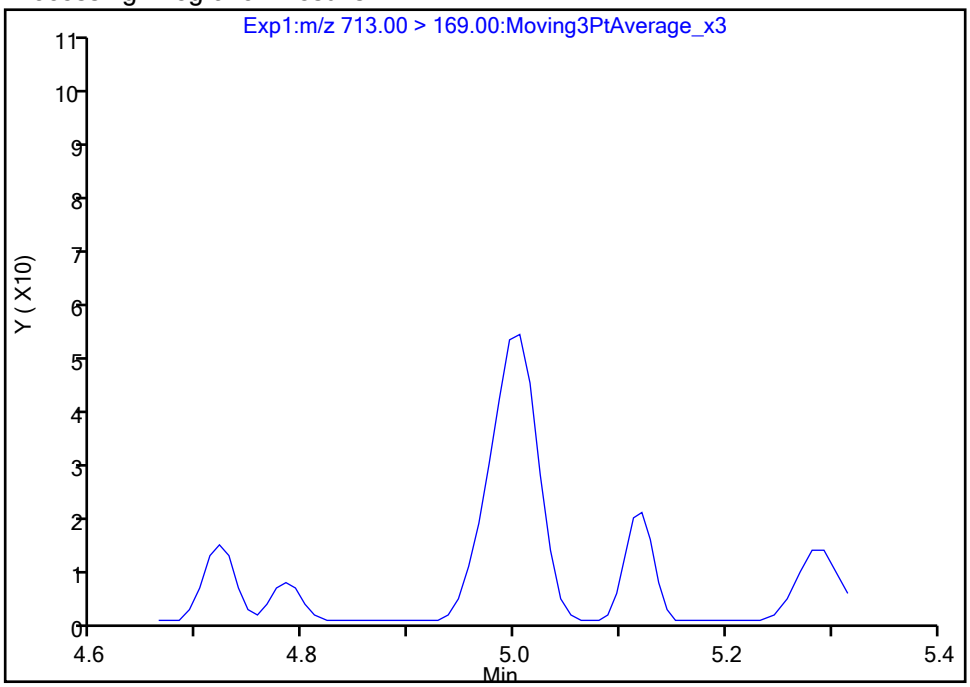
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Injection Date:	03-Mar-2021 22:00:30	Instrument ID:	LC812		
Lims ID:	480-181441-A-12-A	Lab Sample ID:	200-181441-12		
Client ID:	TMW-2D-022421				
Operator ID:	lc812tech	ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

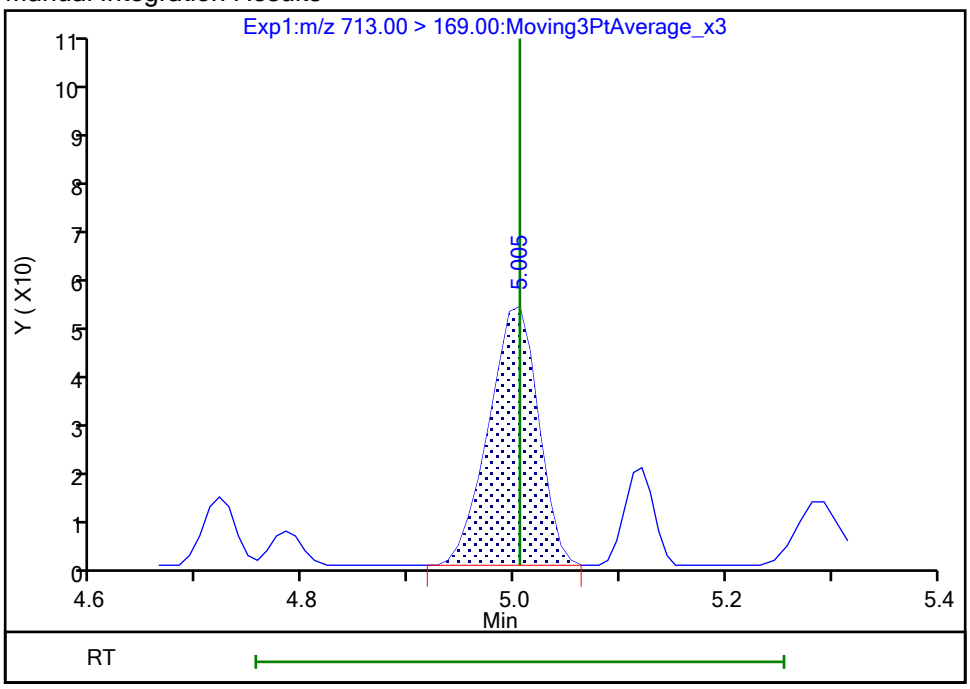
Not Detected
Expected RT: 5.00

Processing Integration Results



Manual Integration Results

RT: 5.00
Area: 172
Amount: 0.002210
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:43:53
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

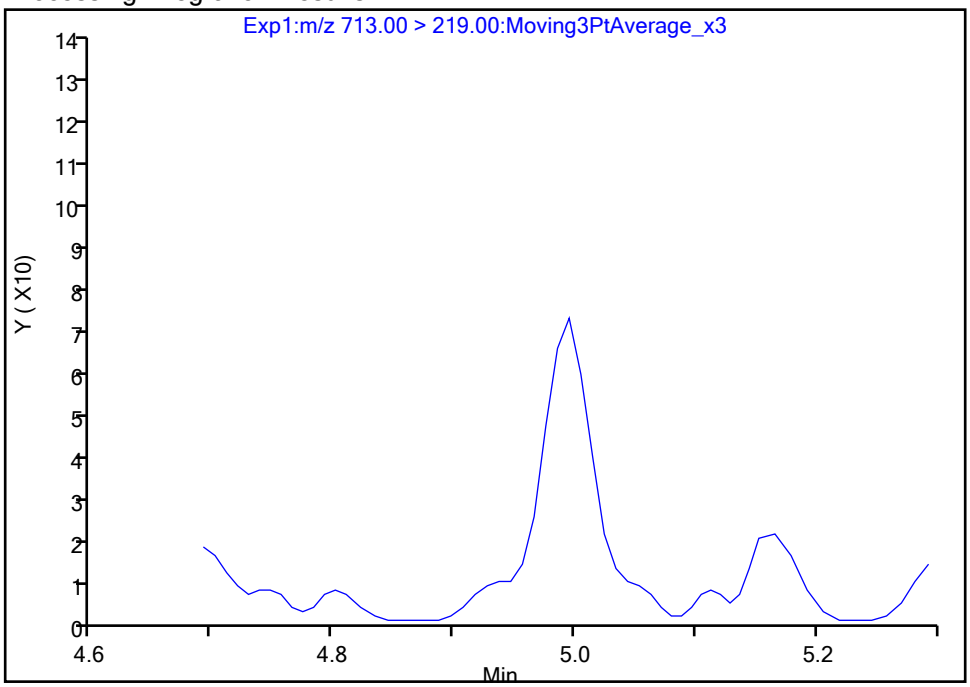
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B23.d				
Injection Date:	03-Mar-2021 22:00:30	Instrument ID:	LC812		
Lims ID:	480-181441-A-12-A	Lab Sample ID:	200-181441-12		
Client ID:	TMW-2D-022421				
Operator ID:	lc812tech	ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

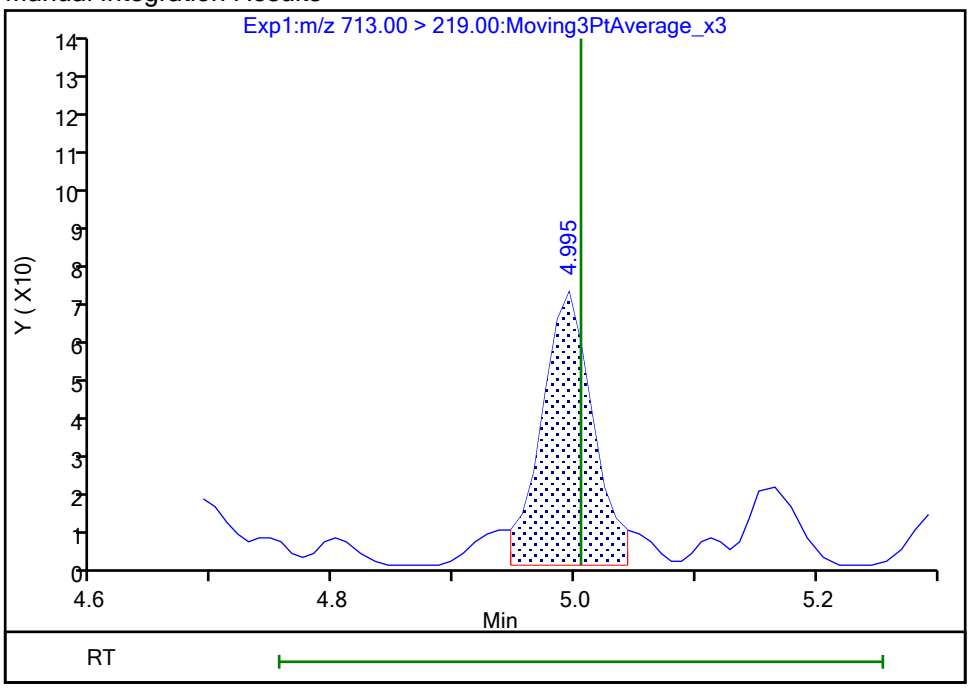
Not Detected
Expected RT: 5.00

Processing Integration Results



Manual Integration Results

RT: 5.00
Area: 203
Amount: 0.002210
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:44:01
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

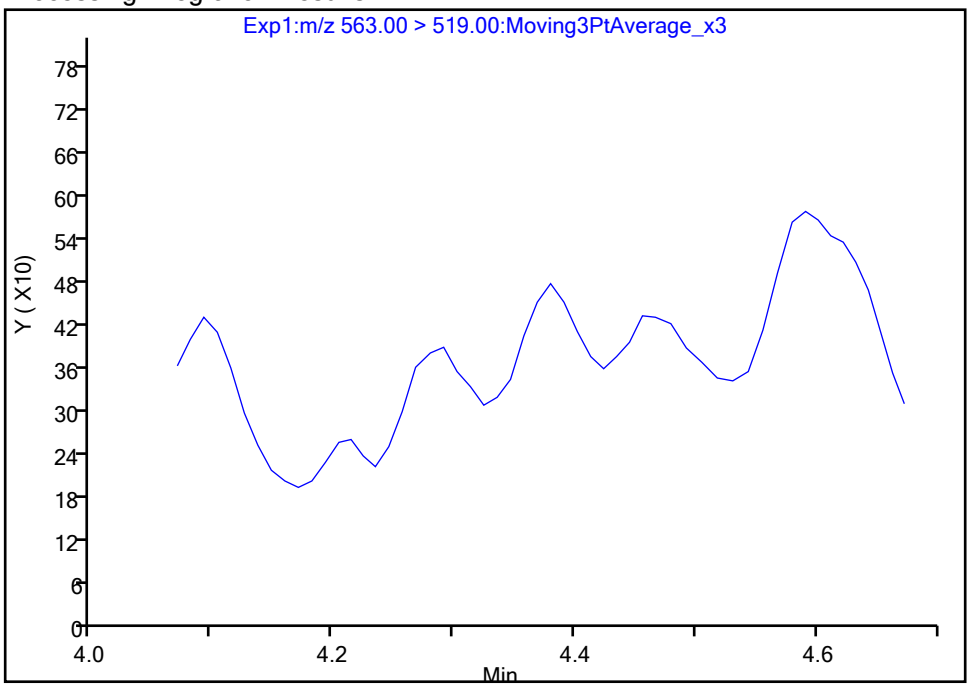
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B23.d				
Injection Date:	03-Mar-2021 22:00:30	Instrument ID:	LC812		
Lims ID:	480-181441-A-12-A	Lab Sample ID:	200-181441-12		
Client ID:	TMW-2D-022421				
Operator ID:	lc812tech	ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

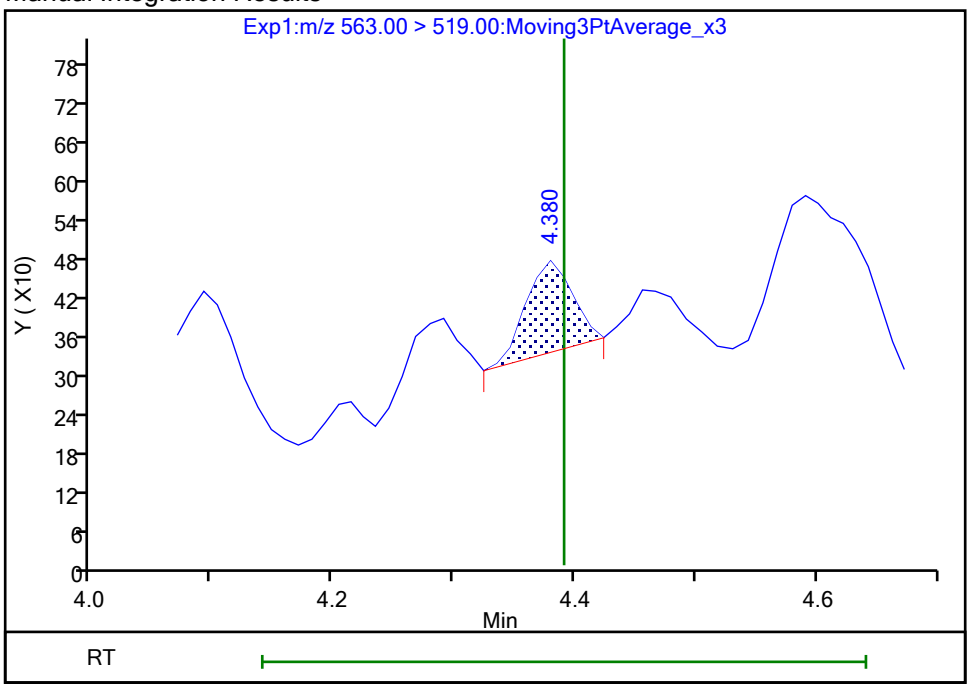
Not Detected
Expected RT: 4.39

Processing Integration Results



Manual Integration Results

RT: 4.38
Area: 377
Amount: 0.000666
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:43:36
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

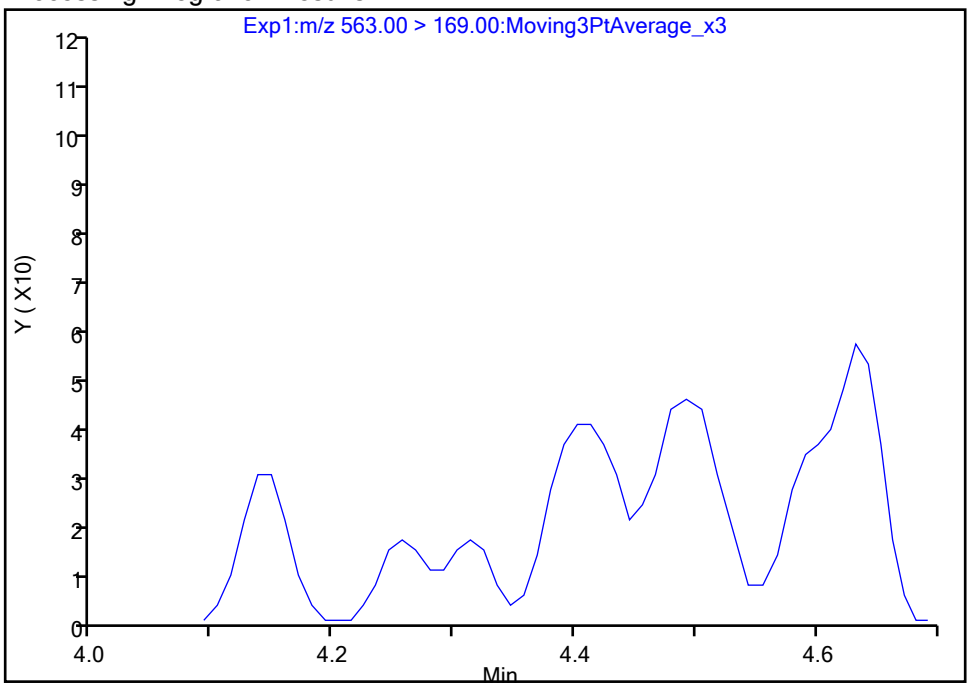
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B23.d				
Injection Date:	03-Mar-2021 22:00:30	Instrument ID:	LC812		
Lims ID:	480-181441-A-12-A	Lab Sample ID:	200-181441-12		
Client ID:	TMW-2D-022421				
Operator ID:	lc812tech	ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

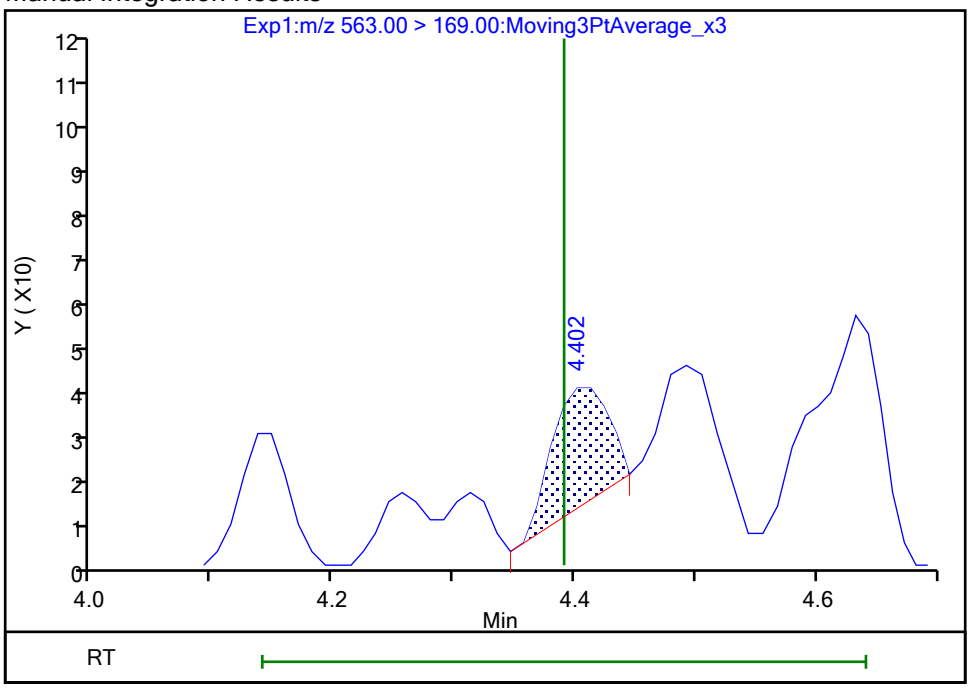
Not Detected
Expected RT: 4.39

Processing Integration Results



Manual Integration Results

RT: 4.40
Area: 84
Amount: 0.000666
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:43:39
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Client Sample ID: EQUIP BLANK Lab Sample ID: 480-181441-13

Matrix: Water Lab File ID: PA210303B24.d

Analysis Method: 537 (modified) Date Collected: 02/23/2021 13:35

Extraction Method: 3535 Date Extracted: 03/03/2021 08:24

Sample wt/vol: 286.9(mL) Date Analyzed: 03/03/2021 22:08

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 164492 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
39108-34-4	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.7	0.58
27619-97-2	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.4	0.63
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.4	0.81
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.4	0.69
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		1.7	0.55
375-22-4	Perfluorobutanoic acid (PFBA)	ND		4.4	0.98
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.42
335-76-2	Perfluorodecanoic acid (PFDA)	ND		1.7	0.40
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		1.7	0.40
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.7	0.34
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		1.7	0.40
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		1.7	0.58
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		1.7	0.72
375-95-1	Perfluorononanoic acid (PFNA)	ND		1.7	0.51
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND		1.7	0.50
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		1.7	0.76
335-67-1	Perfluorooctanoic acid (PFOA)	ND		1.7	0.85
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		1.7	0.94
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		1.7	0.51
72629-94-8	Perfluorotridecanoic acid (PFTriA)	ND		1.7	0.37
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.64

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Client Sample ID: EQUIP BLANK Lab Sample ID: 480-181441-13

Matrix: Water Lab File ID: PA210303B24.d

Analysis Method: 537 (modified) Date Collected: 02/23/2021 13:35

Extraction Method: 3535 Date Extracted: 03/03/2021 08:24

Sample wt/vol: 286.9(mL) Date Analyzed: 03/03/2021 22:08

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 164492 Units: ng/L

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00996	13C2 PFDA	107		50-150
STL00998	13C2 PFDoA	88		50-150
STL00993	13C2 PFHxA	112		50-150
STL02116	13C2 PFTeDA	79		50-150
STL00997	13C2 PFUnA	98		50-150
STL02337	13C3 PFBS	106		50-150
STL00992	13C4 PFBA	110		25-150
STL01892	13C4 PFHpA	112		50-150
STL00990	13C4 PFOA	107		50-150
STL00991	13C4 PFOS	110		50-150
STL00995	13C5 PFNA	105		50-150
STL01893	13C5 PFPeA	108		25-150
STL01056	13C8 FOSA	87		25-150
STL00994	18O2 PFHxS	106		50-150
STL02118	d3-NMeFOSAA	91		50-150
STL02117	d5-NEtFOSAA	92		50-150
STL02279	M2-6:2 FTS	108		25-150
STL02280	M2-8:2 FTS	117		25-150

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B24.d
Lims ID: 480-181441-A-13-A
Client ID: EQUIP BLANK
Sample Type: Client
Inject. Date: 03-Mar-2021 22:08:46 ALS Bottle#: 24 Worklist Smp#: 24
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: 480-181441-A-13-A
Misc. Info.: 200-0045034-024 Plate: 1 Rack: 2
Operator ID: lc812tech Instrument ID: LC812

Method: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 04-Mar-2021 11:31:15 Calib Date: 22-Dec-2020 13:29:37
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1647

First Level Reviewer: khanphomeea Date: 04-Mar-2021 15:47:34
Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.082	2.091	-0.009	0.596	1829786	1.38		110	13818	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.082	2.091	-0.009	1.000	29351	0.0200			5.0	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.400	2.413	-0.013	0.687	1296427	1.35		108	3836	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.400	2.413	-0.013	1.000	8946	0.007790			0.5	M
D 47 13C3 PFBS										M
301.90 > 80.00	2.426	2.439	-0.013	0.695	1556690	1.23		106	285217	M
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.426	2.439	-0.013	1.000	3045	0.002010	Target=2.21		6.1	
298.90 > 99.00	2.426	2.439	-0.013	1.000	1926		1.58(1.11-3.32)		1.7	
D 7 13C2 PFHxA										
315.00 > 270.00	2.758	2.770	-0.012	0.790	1406125	1.40		112	3086	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.770	2.770	0.0	1.004	5525	0.004496	Target=12.83		1.5	M
313.00 > 119.00	2.770	2.770	0.0	1.004	515		10.73(6.42-19.25)		0.9	M
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.132	3.132	0.0	1.000	4850	0.004147	Target=4.15		17.5	M
399.00 > 99.00	3.132	3.132	0.0	1.000	1349		3.60(2.08-6.23)		1.7	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.132	3.132	0.0	0.897	1173466	1.25		106	2085	
D 9 13C4 PFHpA										
367.00 > 322.00	3.132	3.143	-0.011	0.897	1351222	1.41		112	4314	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.121	3.143	-0.022	0.997	2521	0.002135	Target=3.66		1.0	M
363.00 > 169.00	3.143	3.143	0.0	1.003	921		2.74(1.83-5.49)		2.3	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
16 Perfluoroheptanesulfonic acid										RM
449.00 > 80.00	3.474	3.483	-0.009	0.913	154	0.000162	Target=5.95		1.1	RM
449.00 > 99.00	3.483	3.483	0.0	0.916	224		0.69(2.98-8.93)		1.7	M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.483	3.483	0.0	0.997	150789	1.29		108	554	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.474	3.483	-0.009	0.997	215	0.001522			5.8	M
D 14 13C4 PFOA										
417.00 > 372.00	3.492	3.492	0.0	1.000	1307806	1.34		107	3133	
* 62 13C2 PFOA										
415.00 > 370.00	3.492	3.492	0.0		1233672	1.25			5937	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.501	3.492	0.009	1.003	2641	0.002329	Target=2.58		1.0	M
413.00 > 169.00	3.501	3.492	0.009	1.003	1385		1.91(1.29-3.87)		4.4	M
17 Perfluorooctanesulfonic acid										RM
499.00 > 80.00	3.814	3.804	0.010	1.003	1209	0.001489	Target=5.65		0.3	RM
499.00 > 99.00	3.795	3.804	-0.009	0.997	476		2.54(2.82-8.47)		1.0	M
D 18 13C4 PFOS										
503.00 > 80.00	3.804	3.804	0.0	1.089	843404	1.31		110	2638	
D 19 13C5 PFNA										
468.00 > 423.00	3.825	3.825	0.0	1.095	1129200	1.31		105	3300	
D 23 13C2 PFDA										
515.00 > 470.00	4.126	4.126	0.0	1.182	1097255	1.33		107	5040	
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.126	4.126	0.0	1.000	1267	0.001401	Target=9.29		1.6	M
513.00 > 169.00	4.104	4.126	-0.022	0.995	218		5.81(4.64-13.93)		2.4	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.137	4.137	0.0	1.185	168973	1.40		117	702	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.171	4.137	0.034	1.008	46	0.000479			1.3	M
D 21 13C8 FOSA										
506.00 > 78.00	4.215	4.225	-0.010	1.207	1313393	1.08		86.8	3668	
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.215	4.225	-0.010	1.000	529	0.000502			7.2	M
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.268	4.268	0.0	1.222	67673	1.13		90.6	779	
D 30 13C2 PFUnA										
565.00 > 520.00	4.391	4.391	0.0	1.257	832457	1.23		98.4	2778	
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.402	4.402	0.0	1.261	66645	1.15		92.3	447	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.391	4.402	-0.011	0.997	40	0.000810			1.5	M
D 36 13C2 PFDoA										
615.00 > 570.00	4.612	4.612	0.0	1.321	789584	1.11		88.4	4169	
37 Perfluorododecanoic acid										RM
613.00 > 569.00	4.612	4.612	0.0	1.000	2288	0.003293	Target=6.91		0.7	RM
613.00 > 169.00	4.602	4.612	-0.010	0.998	89		25.71(3.45-10.36)		3.3	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 43 13C2 PFTeDA										
715.00 > 670.00	5.015	5.005	0.010	1.436	523806	0.99		79.3	2535	
42 Perfluorotetradecanoic acid										RM
713.00 > 169.00	4.995	5.005	-0.010	0.996	231	0.002973	Target=1.06		7.0	RM
713.00 > 219.00	4.995	5.005	-0.010	0.996	54		4.28(0.53-1.59)		3.3	M

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Report Date: 04-Mar-2021 11:31:35 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B24.d

Injection Date: 03-Mar-2021 22:08:46 Instrument ID: LC812

Lims ID: 480-181441-A-13-A Lab Sample ID: 200-181441-13

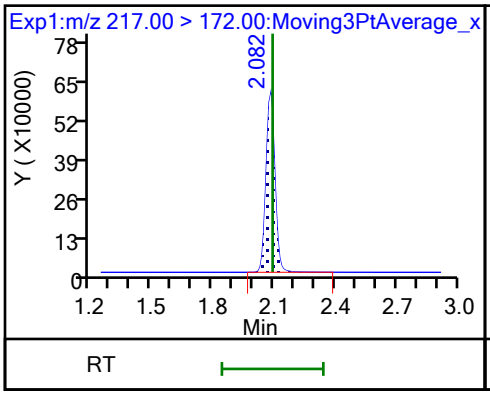
Client ID: EQUIP BLANK

Operator ID: lc812tech ALS Bottle#: 24 Worklist Smp#: 24

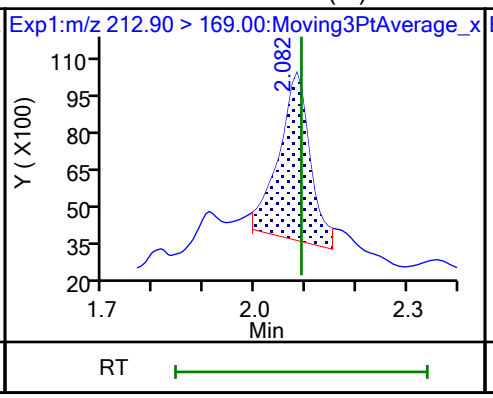
Injection Vol: 20.0 ul Dil. Factor: 1.0000

Method: PFC_LC812 Limit Group: LC_PFC_ICAL

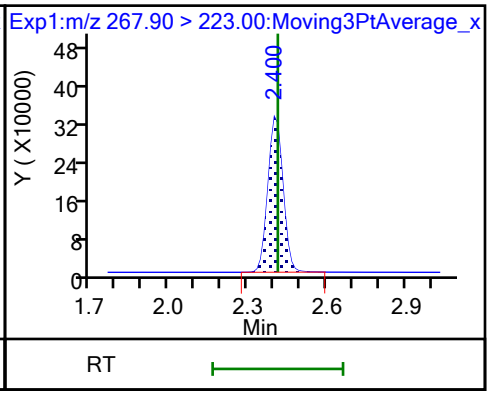
D 1 13C4 PFBA



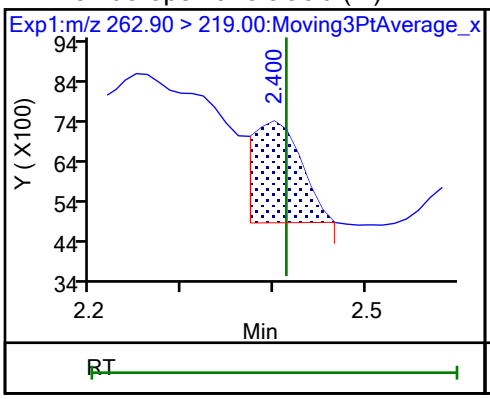
2 Perfluorobutanoic acid (M)



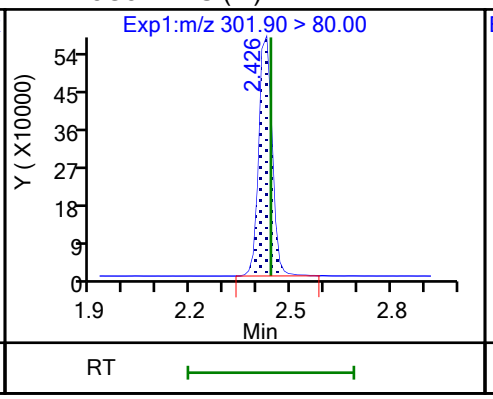
D 3 13C5 PFPeA



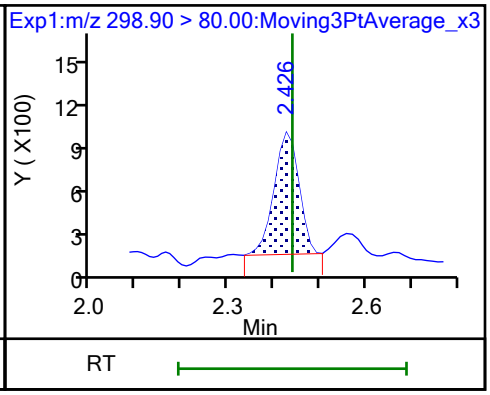
4 Perfluoropentanoic acid (M)



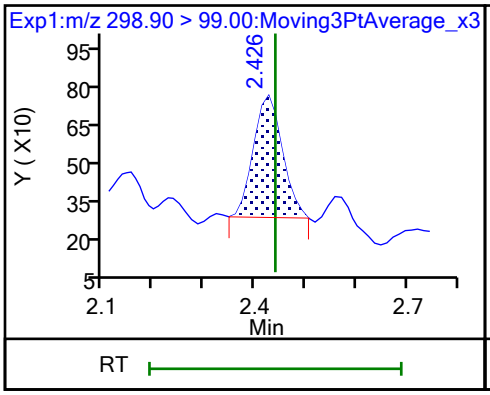
D 47 13C3 PFBS (M)



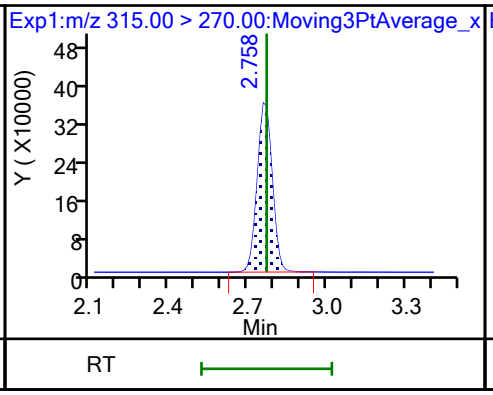
5 Perfluorobutanesulfonic acid



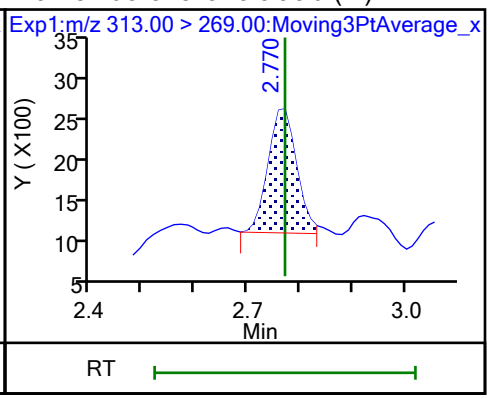
5 Perfluorobutanesulfonic acid



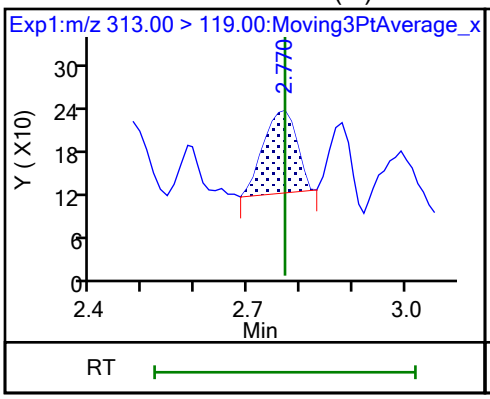
D 7 13C2 PFHxA



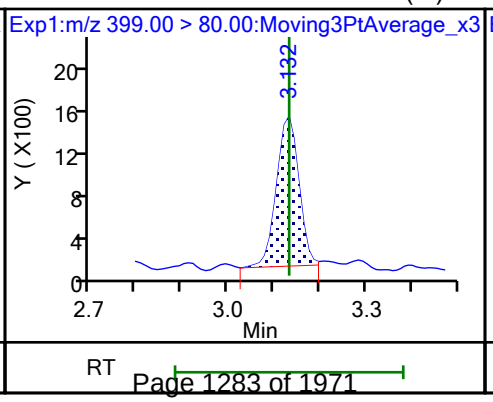
6 Perfluorohexanoic acid (M)



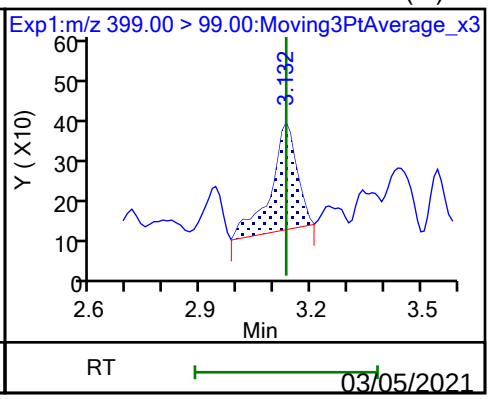
6 Perfluorohexanoic acid (M)



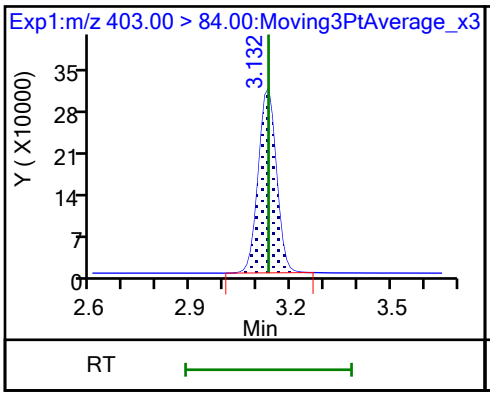
8 Perfluorohexanesulfonic acid (M)



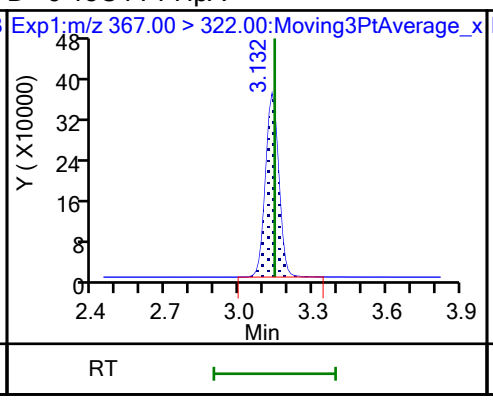
8 Perfluorohexanesulfonic acid (M)



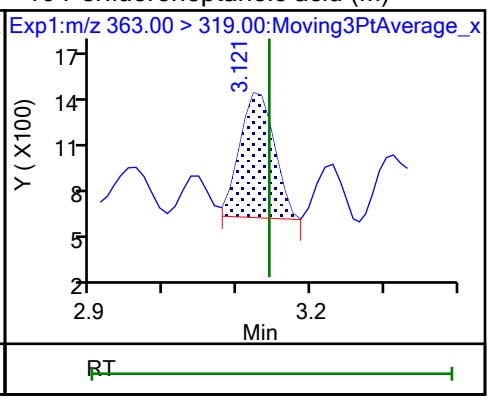
D 11 18O2 PFHxS



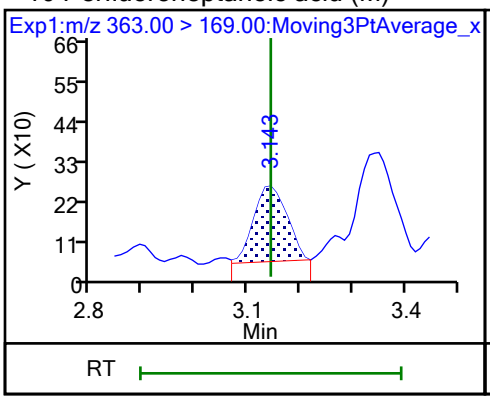
D 9 13C4 PFHpA



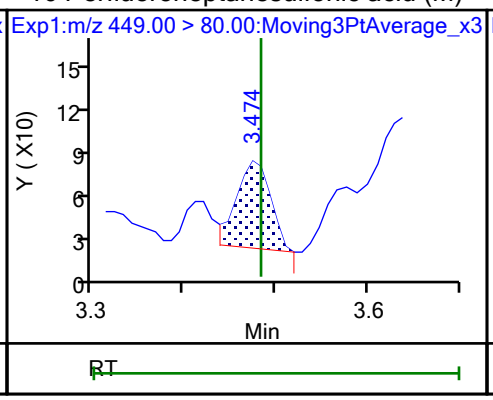
10 Perfluoroheptanoic acid (M)



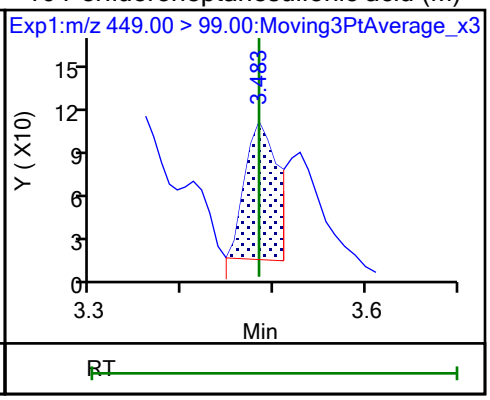
10 Perfluoroheptanoic acid (M)



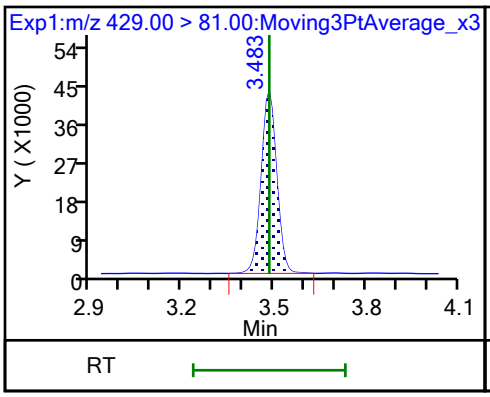
16 Perfluoroheptanesulfonic acid (M)



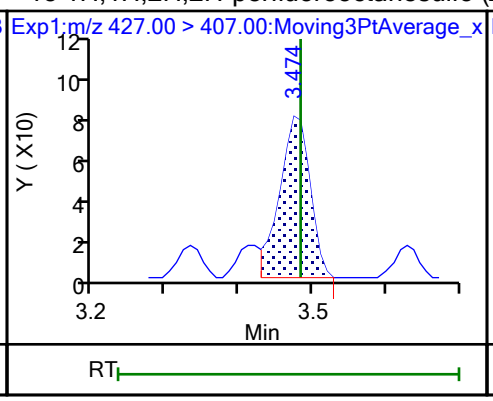
16 Perfluoroheptanesulfonic acid (M)



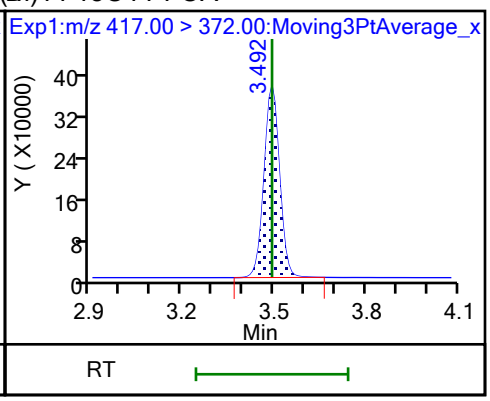
D 12 M2-6:2 FTS



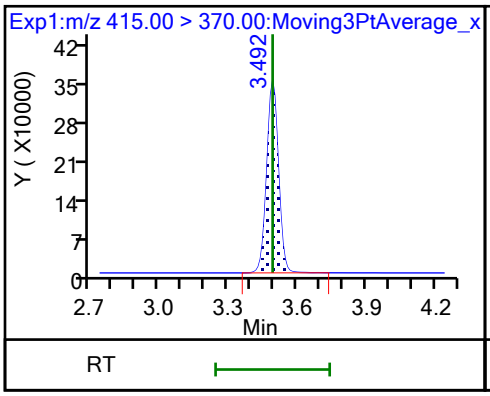
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



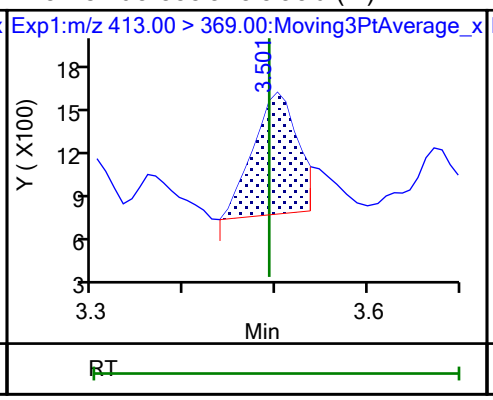
14 13C4 PFOA



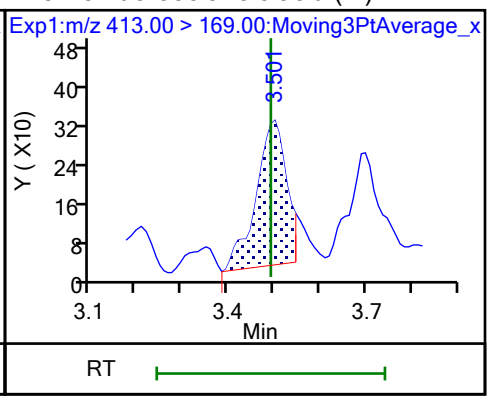
* 62 13C2 PFOA



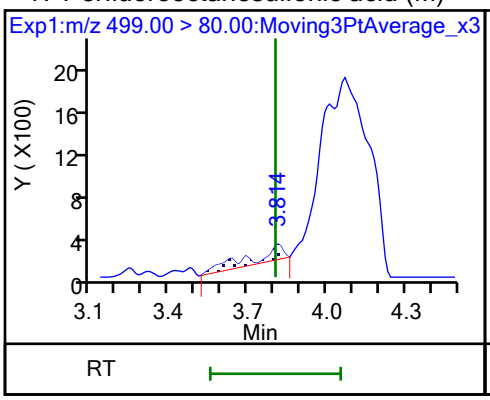
15 Perfluorooctanoic acid (M)



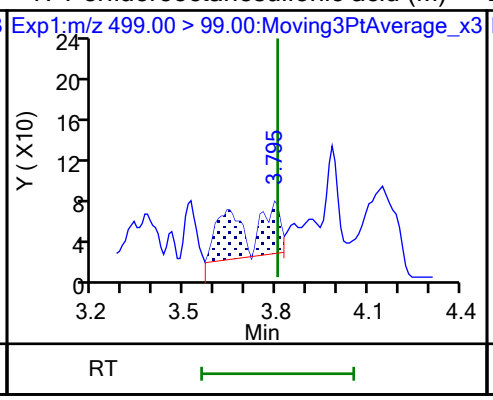
15 Perfluorooctanoic acid (M)



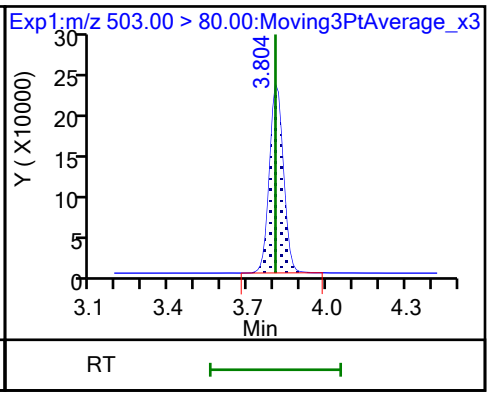
17 Perfluorooctanesulfonic acid (M)



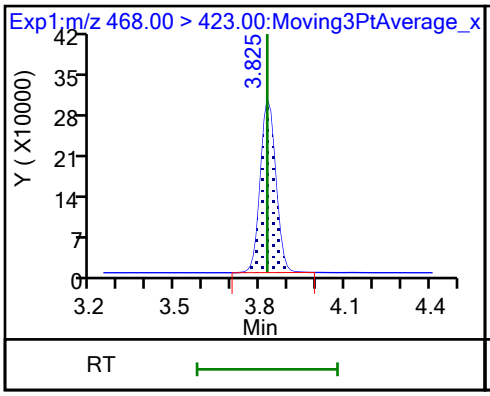
17 Perfluorooctanesulfonic acid (M)



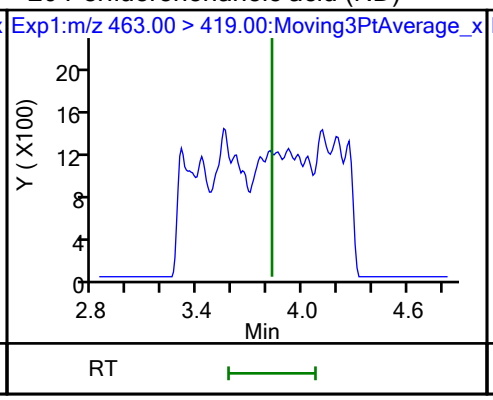
D 18 13C4 PFOS



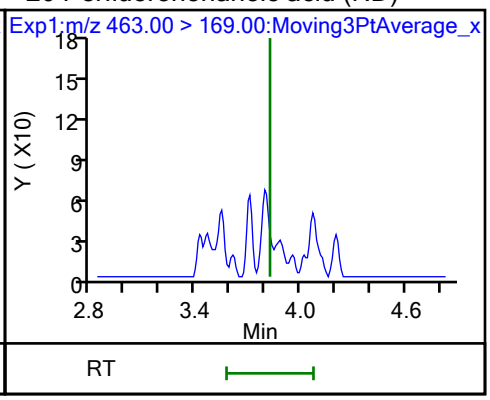
D 19 13C5 PFNA



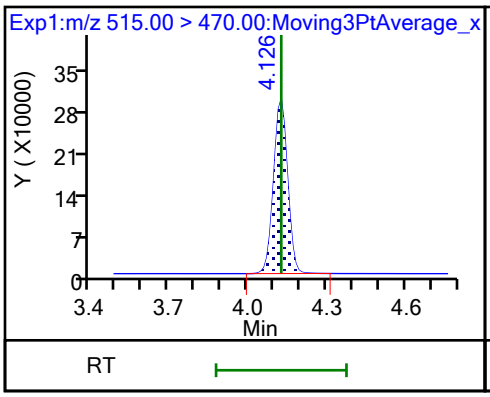
20 Perfluorononanoic acid (ND)



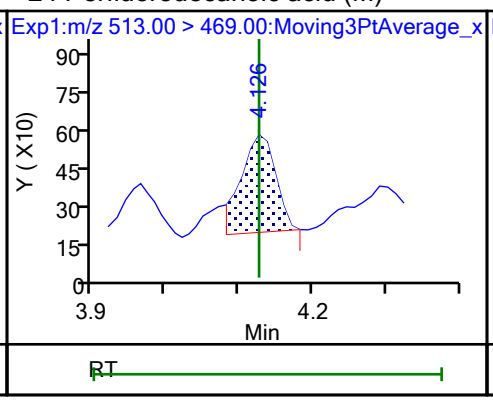
20 Perfluorononanoic acid (ND)



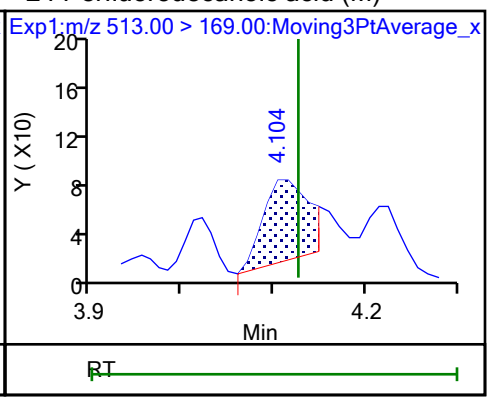
D 23 13C2 PFDA



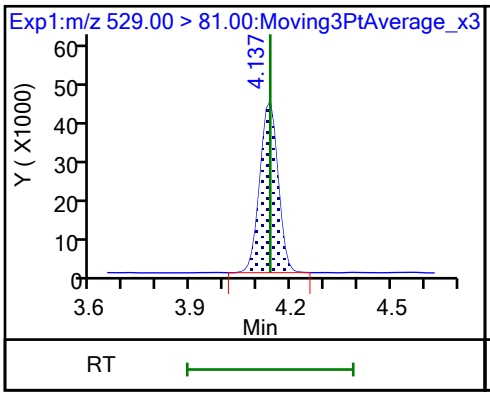
24 Perfluorodecanoic acid (M)



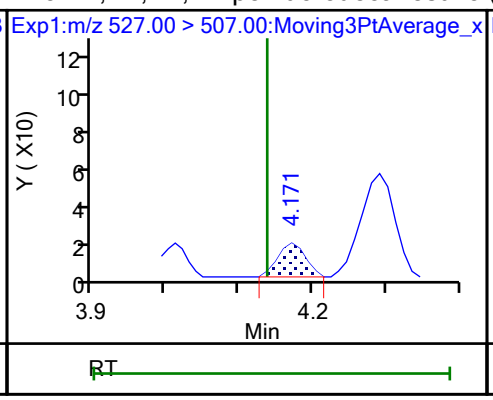
24 Perfluorodecanoic acid (M)



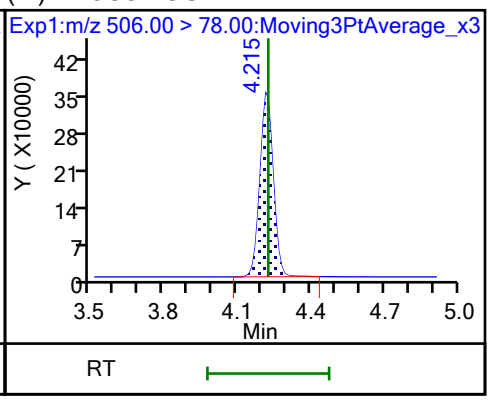
D 26 M2-8:2 FTS



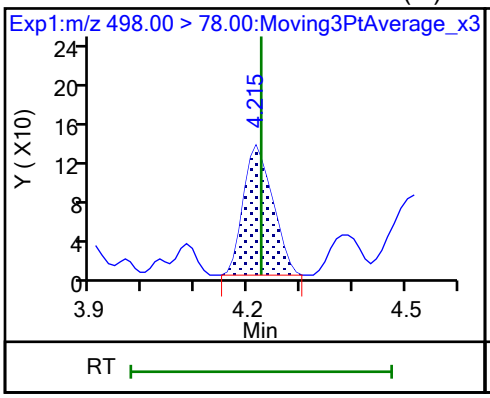
25 1H,1H,2H,2H-perfluorodecanesulfo



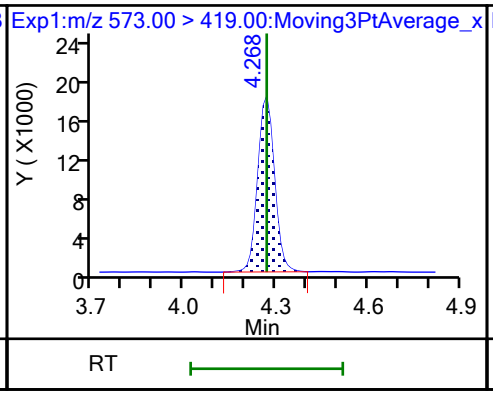
D 21 13C8 FOSA



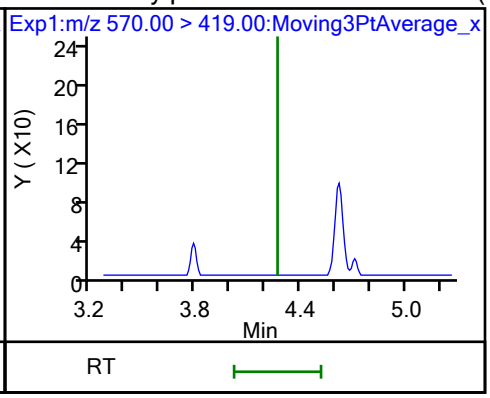
22 Perfluorooctanesulfonamide (M)



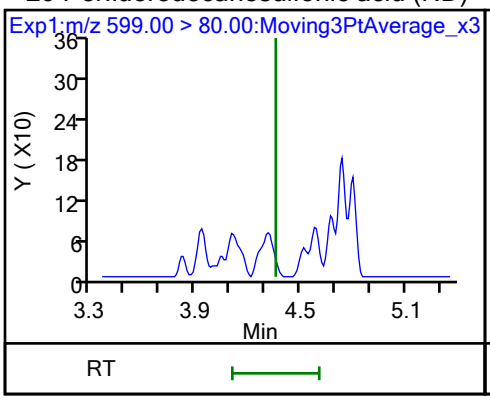
D 27 d3-NMeFOSAA



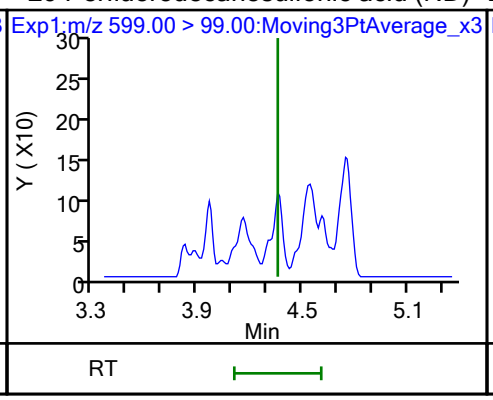
28 N-methylperfluorooctanesulfonami (ND)



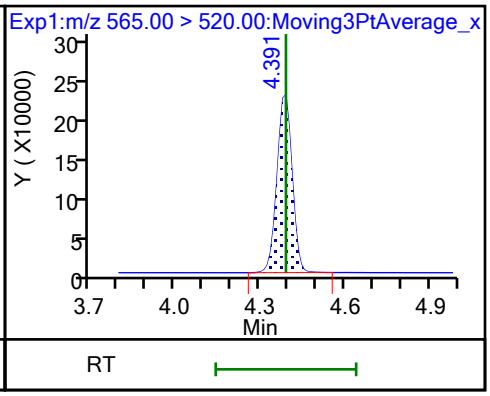
29 Perfluorodecanesulfonic acid (ND)



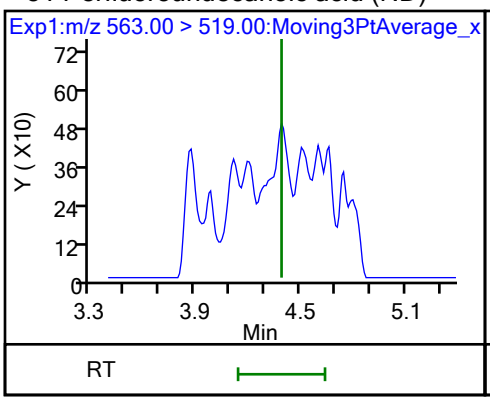
29 Perfluorodecanesulfonic acid (ND)



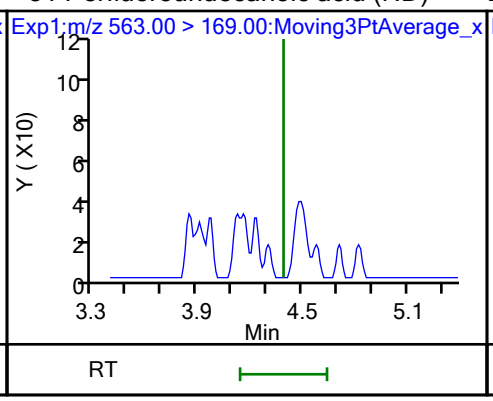
D 30 13C2 PFUnA



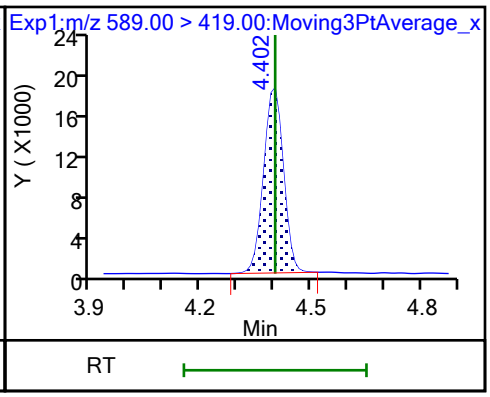
31 Perfluoroundecanoic acid (ND)



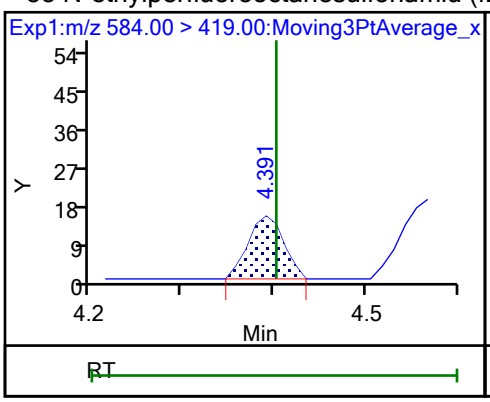
31 Perfluoroundecanoic acid (ND)



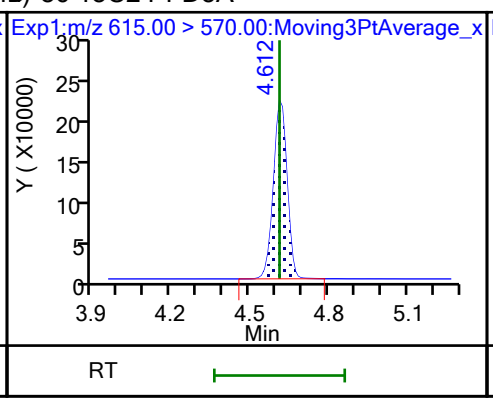
D 32 d5-NEtFOSAA



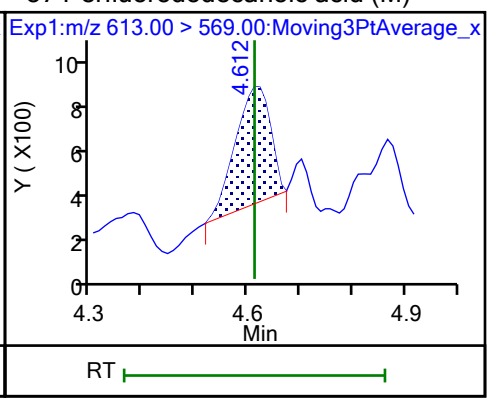
33 N-ethylperfluorooctanesulfonamid (ND)



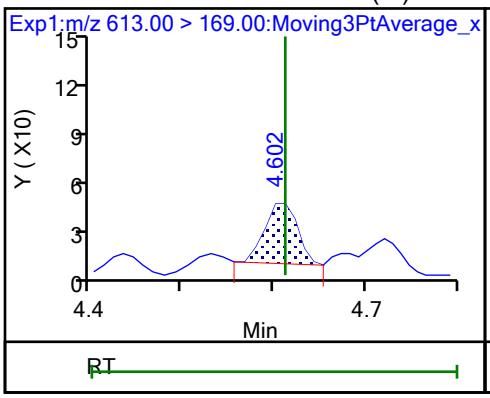
D 36 13C2 PFDoA



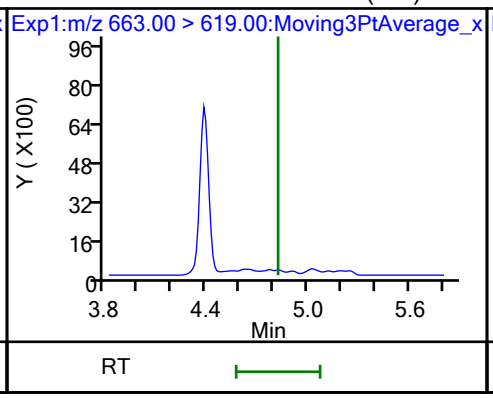
37 Perfluorododecanoic acid (M)



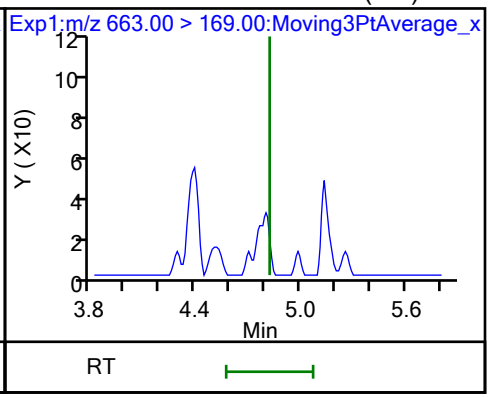
37 Perfluorododecanoic acid (M)



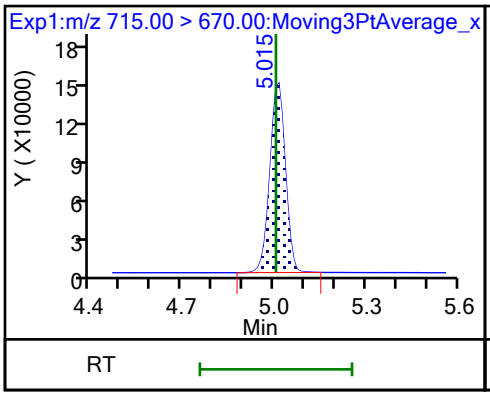
41 Perfluorotridecanoic acid (ND)



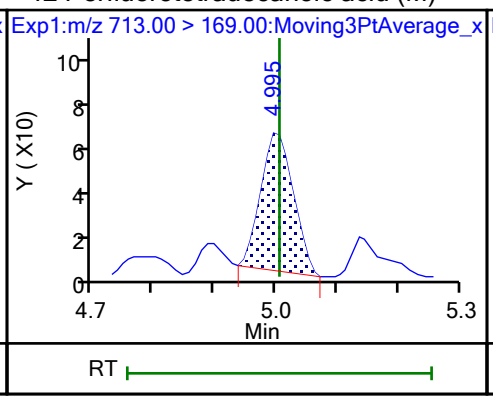
41 Perfluorotridecanoic acid (ND)



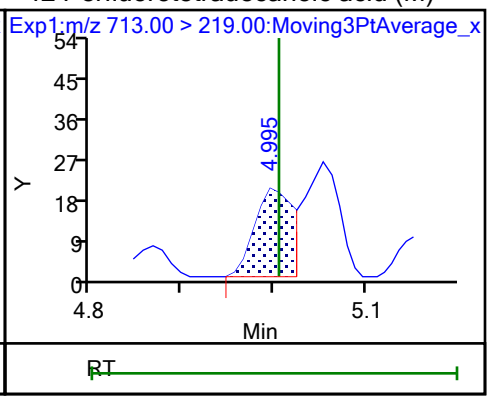
D 43 13C2 PFTeDA



42 Perfluorotetradecanoic acid (M)



42 Perfluorotetradecanoic acid (M)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

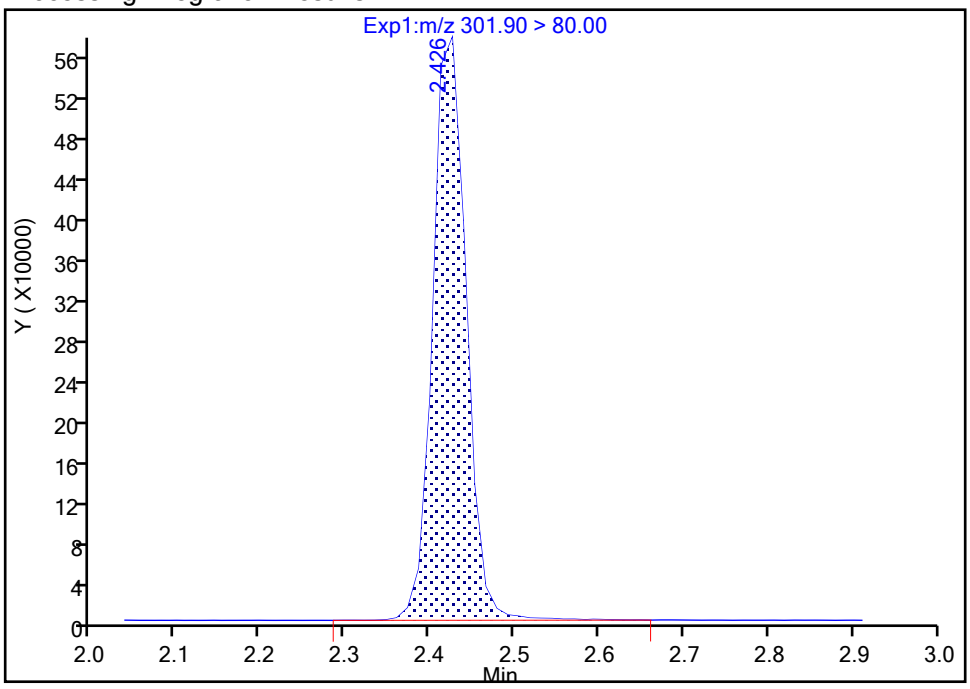
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Injection Date:	03-Mar-2021 22:08:46	Instrument ID:	LC812		
Lims ID:	480-181441-A-13-A	Lab Sample ID:	200-181441-13		
Client ID:	EQUIP BLANK				
Operator ID:	lc812tech	ALS Bottle#:	24	Worklist Smp#:	24
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

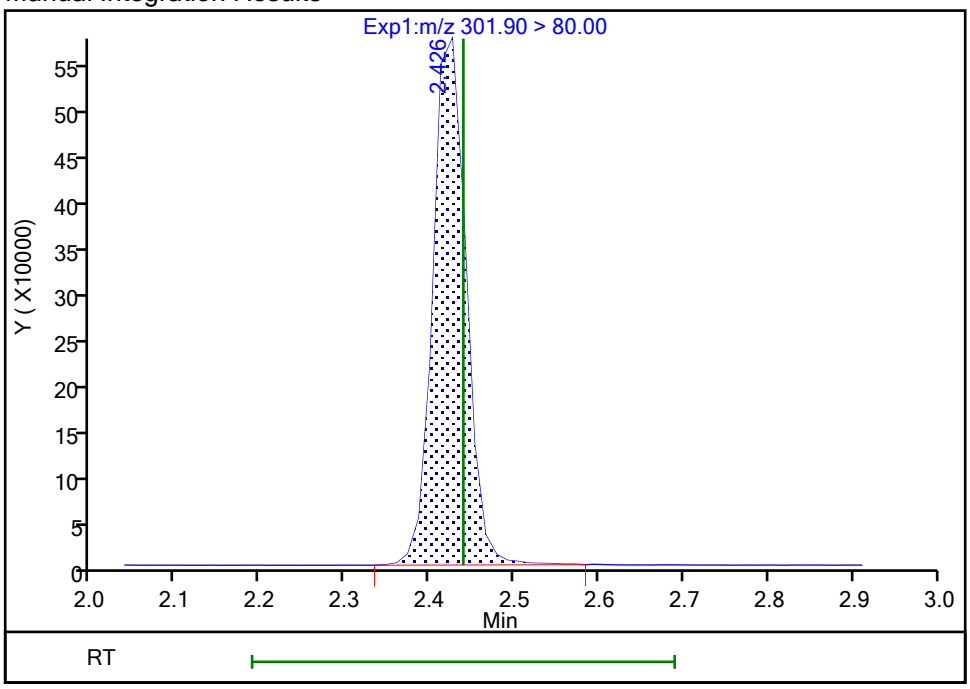
Processing Integration Results

RT: 2.43
Area: 1561360
Amount: 1.238107
Amount Units: ng/ml



Manual Integration Results

RT: 2.43
Area: 1556690
Amount: 1.234403
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:44:27

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

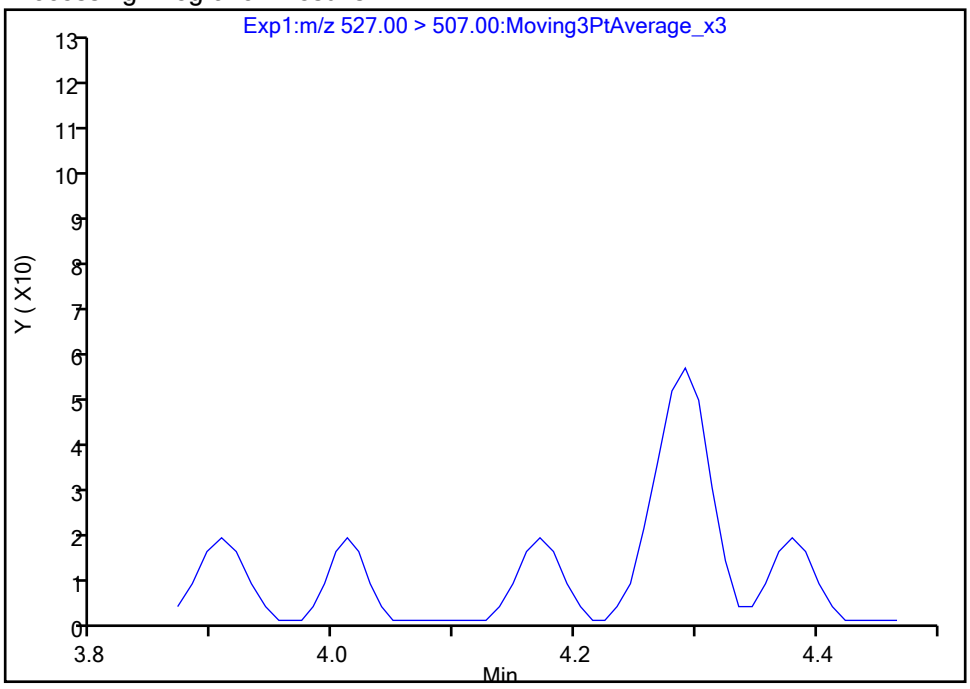
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Lims ID:	480-181441-A-13-A	Lab Sample ID:	200-181441-13		
Client ID:	EQUIP BLANK				
Operator ID:	lc812tech	ALS Bottle#:	24	Worklist Smp#:	24
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

25 1H,1H,2H,2H-perfluorodecanesulfo, CAS: 39108-34-4

Signal: 1

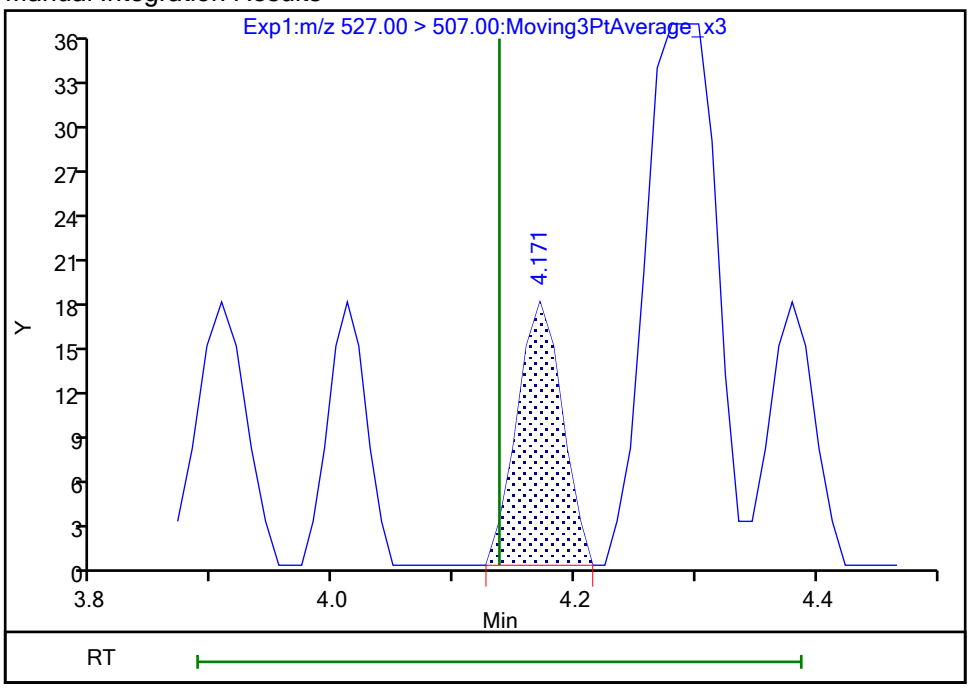
Not Detected
Expected RT: 4.14

Processing Integration Results



Manual Integration Results

RT: 4.17
Area: 46
Amount: 0.000479
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:46:59
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

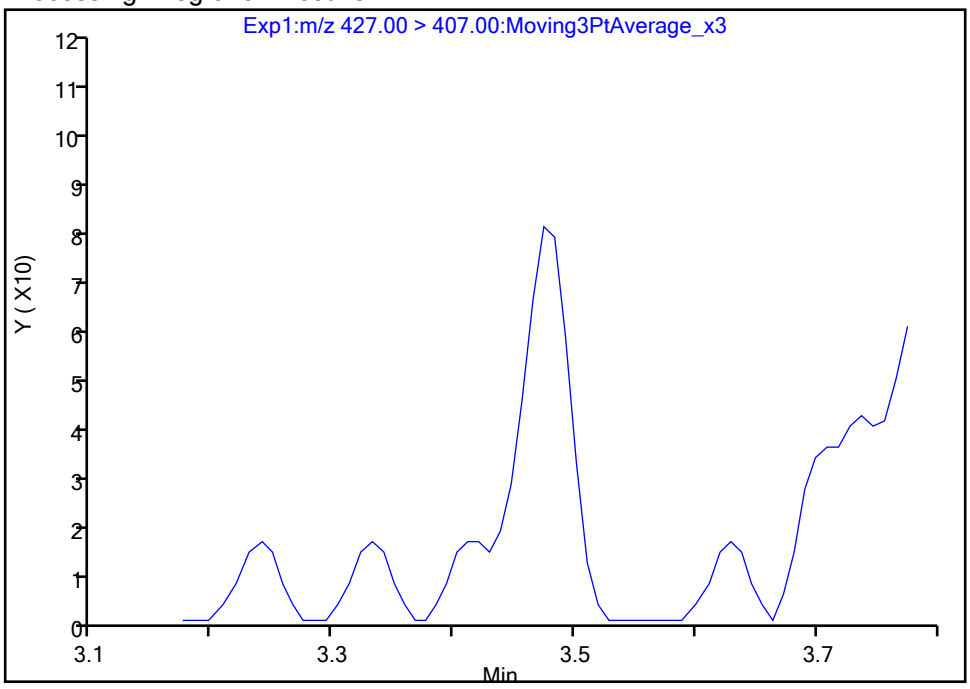
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Injection Date:	03-Mar-2021 22:08:46	Instrument ID:	LC812		
Lims ID:	480-181441-A-13-A	Lab Sample ID:	200-181441-13		
Client ID:	EQUIP BLANK				
Operator ID:	lc812tech	ALS Bottle#:	24	Worklist Smp#:	24
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

Signal: 1

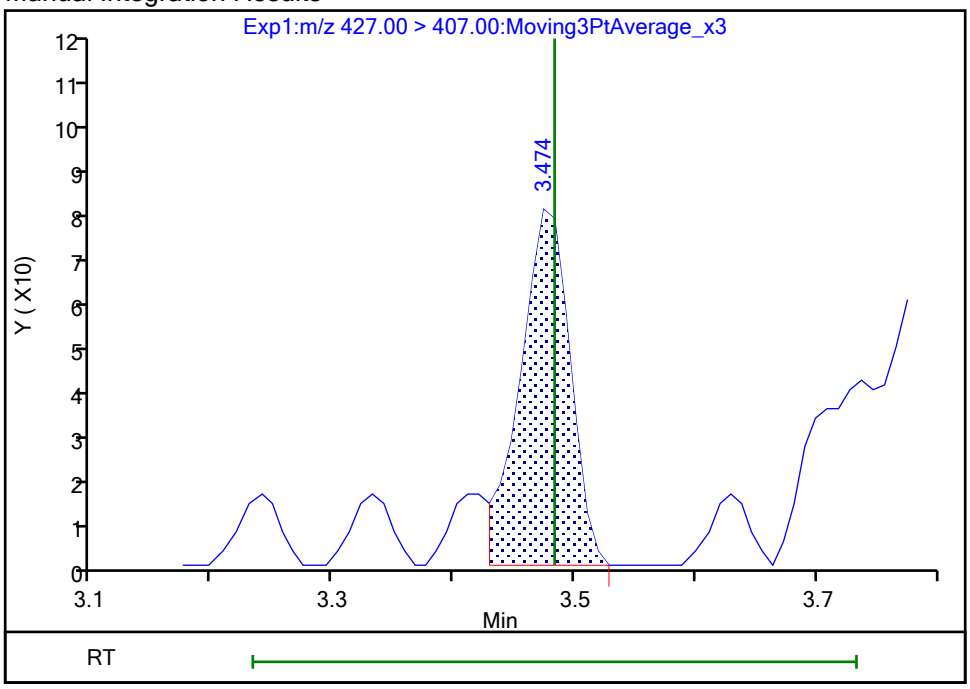
Not Detected
Expected RT: 3.48

Processing Integration Results



Manual Integration Results

RT: 3.47
Area: 215
Amount: 0.001522
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:45:53
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

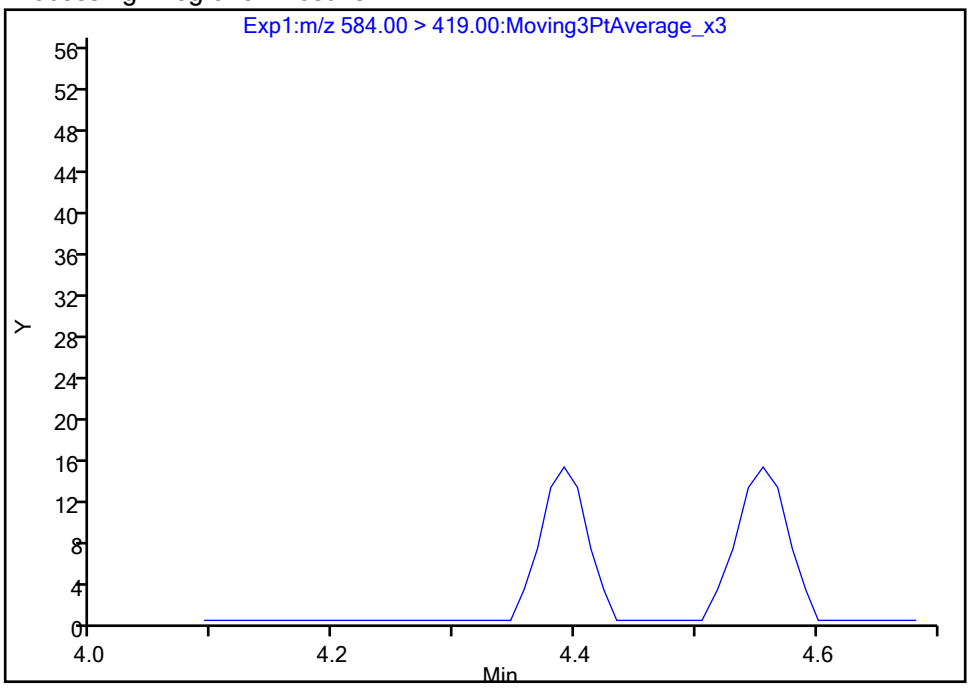
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B24.d				
Injection Date:	03-Mar-2021 22:08:46	Instrument ID:	LC812		
Lims ID:	480-181441-A-13-A	Lab Sample ID:	200-181441-13		
Client ID:	EQUIP BLANK				
Operator ID:	lc812tech	ALS Bottle#:	24	Worklist Smp#:	24
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

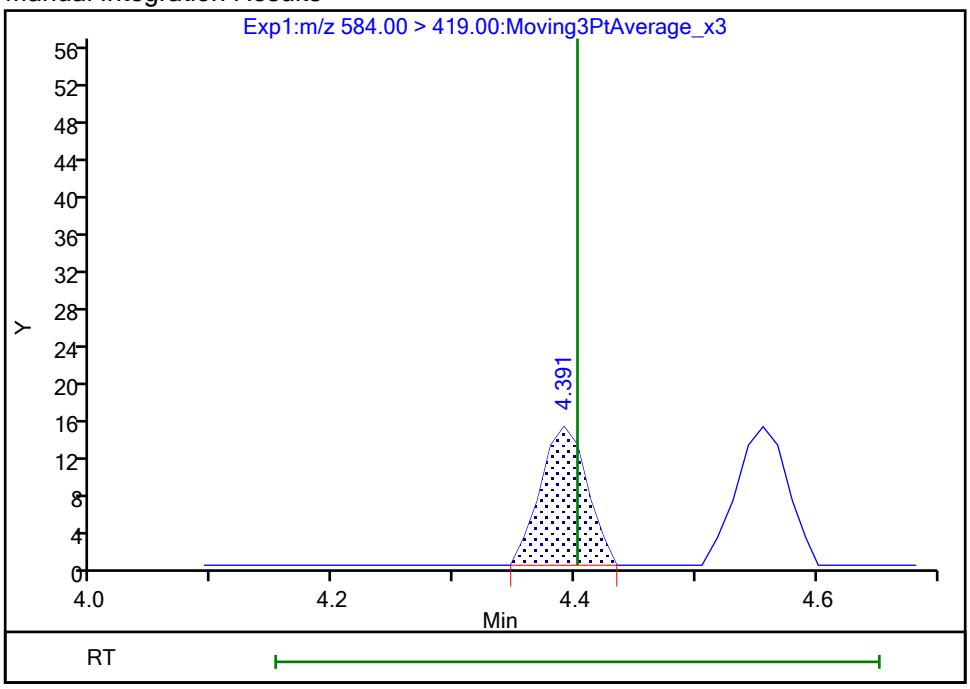
Not Detected
Expected RT: 4.40

Processing Integration Results



Manual Integration Results

RT: 4.39
Area: 40
Amount: 0.000810
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:47:11
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

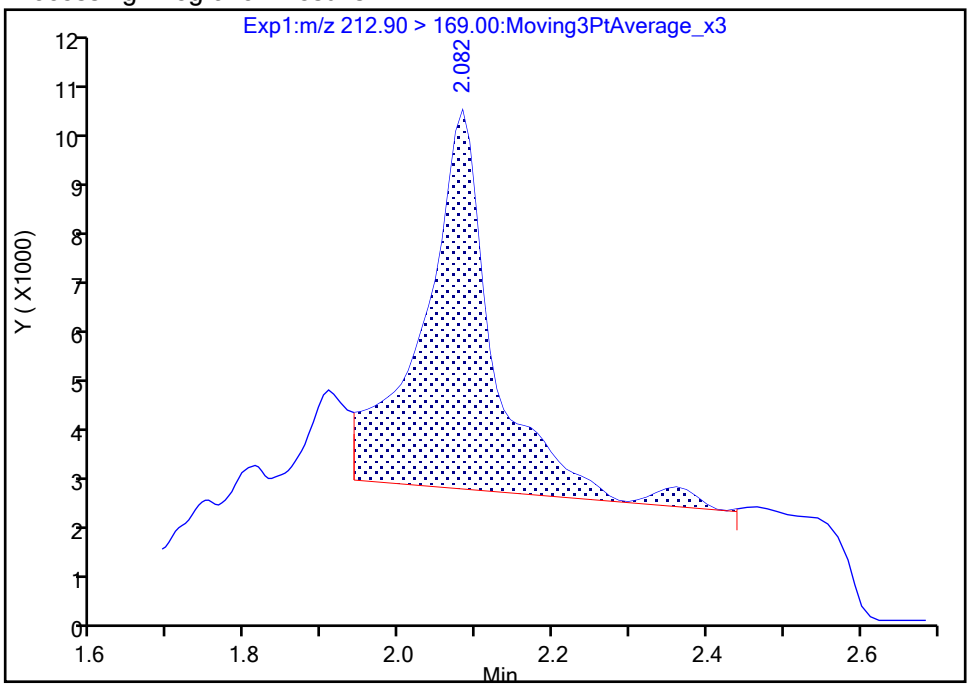
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B24.d				
Injection Date:	03-Mar-2021 22:08:46	Instrument ID:	LC812		
Lims ID:	480-181441-A-13-A	Lab Sample ID:	200-181441-13		
Client ID:	EQUIP BLANK				
Operator ID:	lc812tech	ALS Bottle#:	24	Worklist Smp#:	24
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

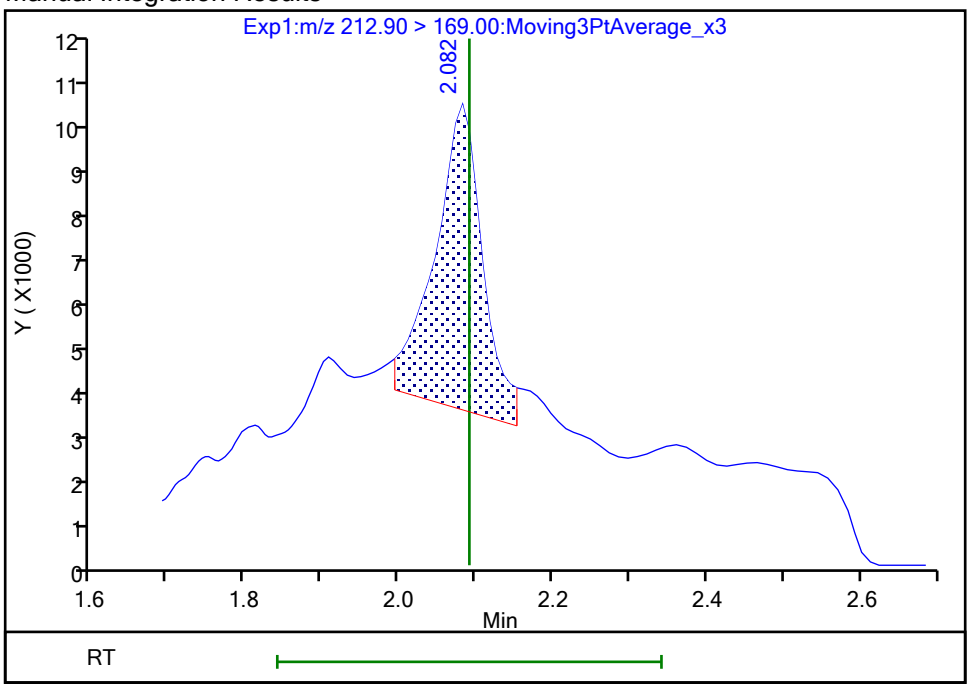
Processing Integration Results

RT: 2.08
Area: 49484
Amount: 0.033737
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 29351
Amount: 0.020011
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:44:48

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

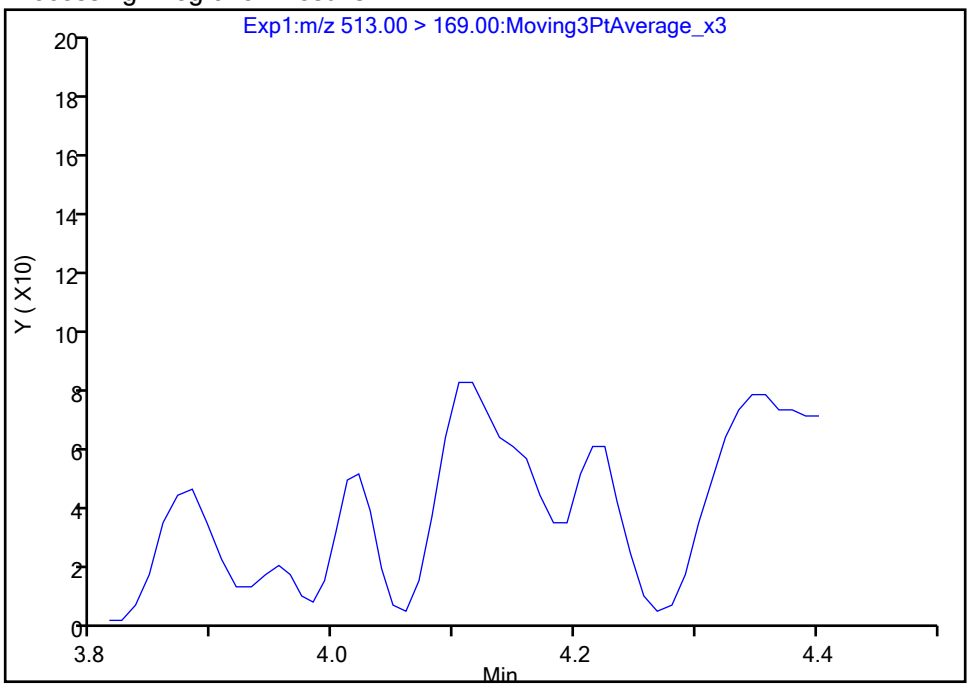
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B24.d				
Injection Date:	03-Mar-2021 22:08:46	Instrument ID:	LC812		
Lims ID:	480-181441-A-13-A	Lab Sample ID:	200-181441-13		
Client ID:	EQUIP BLANK				
Operator ID:	lc812tech	ALS Bottle#:	24	Worklist Smp#:	24
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

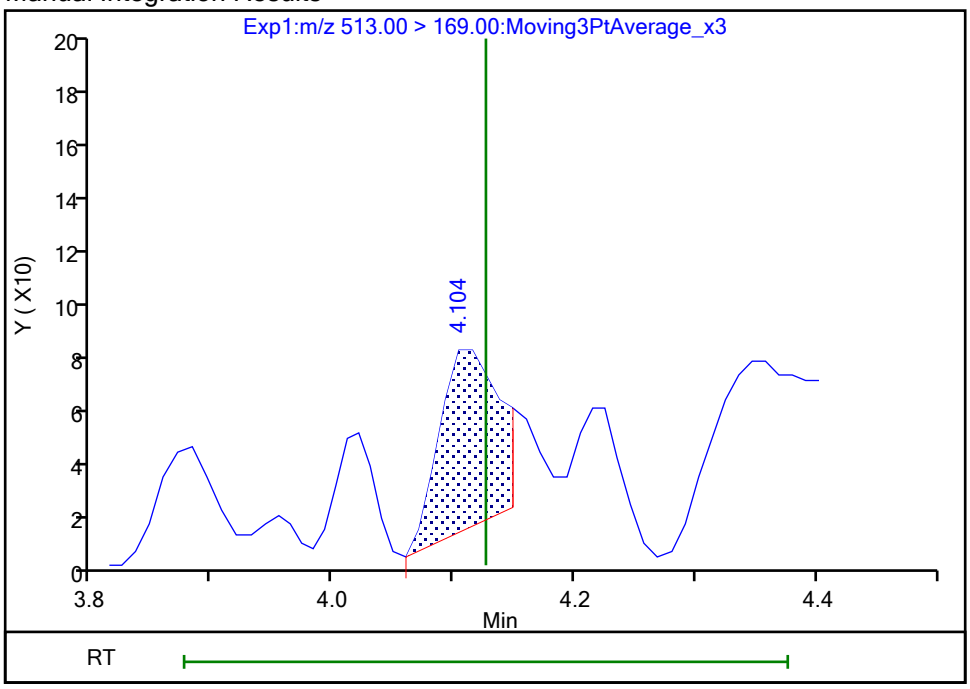
Not Detected
Expected RT: 4.13

Processing Integration Results



Manual Integration Results

RT: 4.10
Area: 218
Amount: 0.001401
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:46:48
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

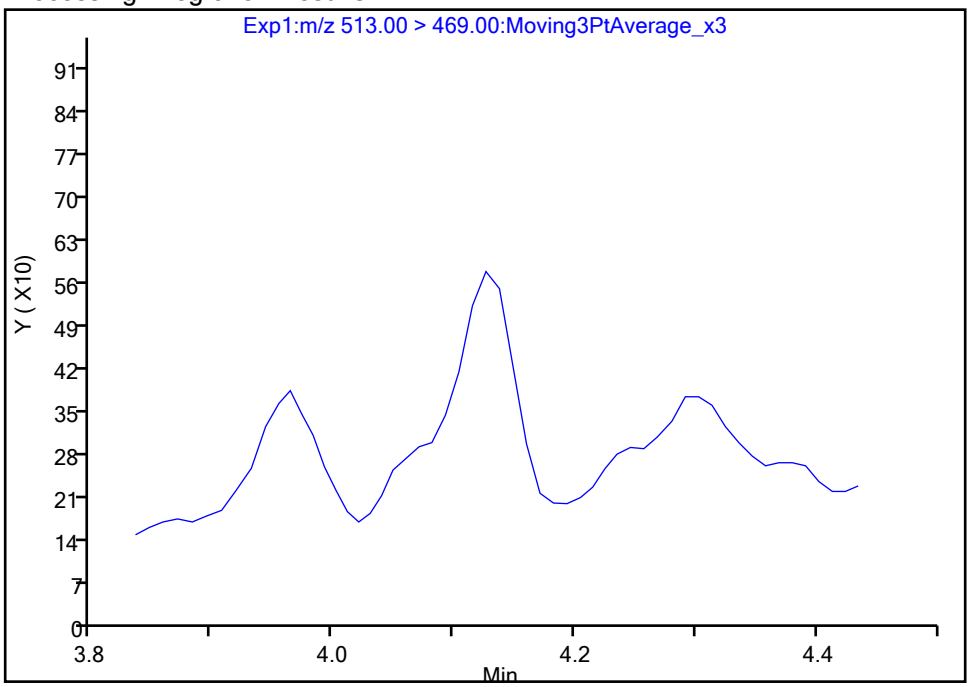
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B24.d				
Injection Date:	03-Mar-2021 22:08:46	Instrument ID:	LC812		
Lims ID:	480-181441-A-13-A	Lab Sample ID:	200-181441-13		
Client ID:	EQUIP BLANK				
Operator ID:	lc812tech	ALS Bottle#:	24	Worklist Smp#:	24
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

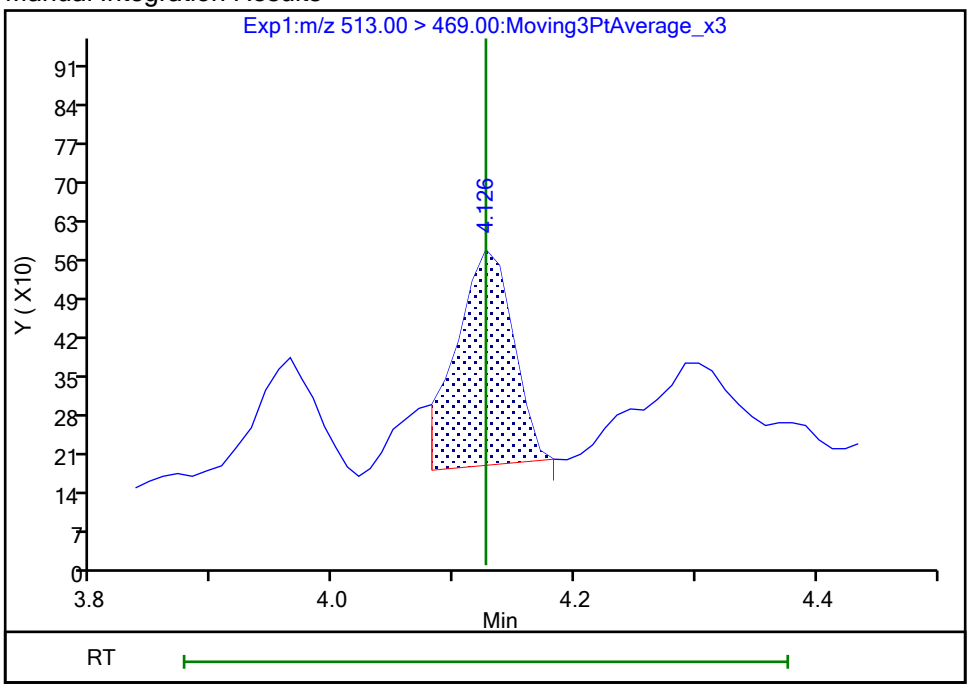
Not Detected
Expected RT: 4.13

Processing Integration Results



Manual Integration Results

RT: 4.13
Area: 1267
Amount: 0.001401
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:46:49
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

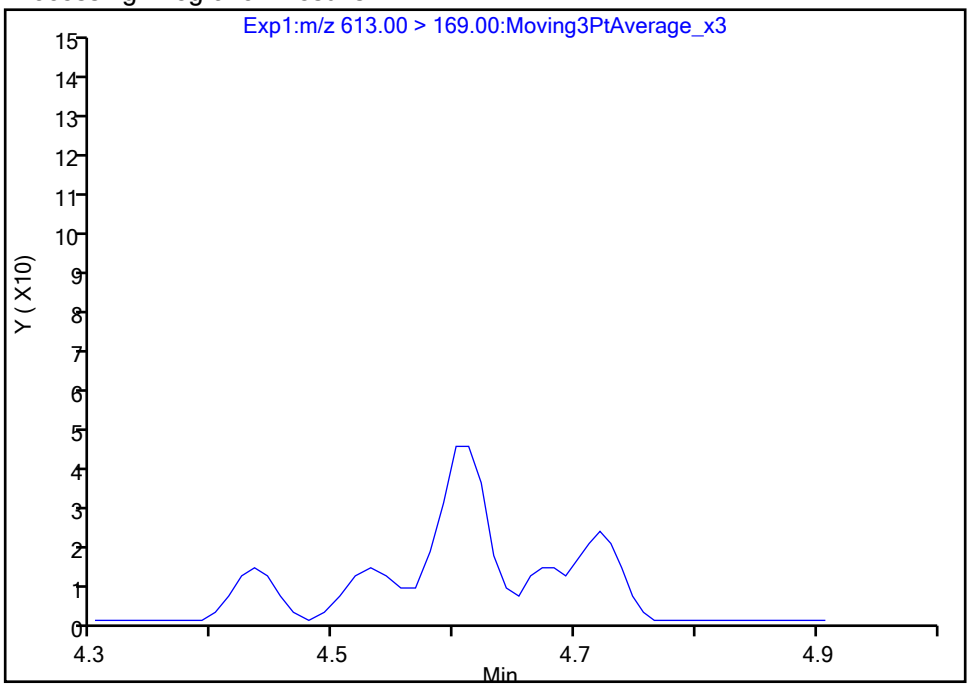
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B24.d				
Injection Date:	03-Mar-2021 22:08:46	Instrument ID:	LC812		
Lims ID:	480-181441-A-13-A	Lab Sample ID:	200-181441-13		
Client ID:	EQUIP BLANK				
Operator ID:	lc812tech	ALS Bottle#:	24	Worklist Smp#:	24
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

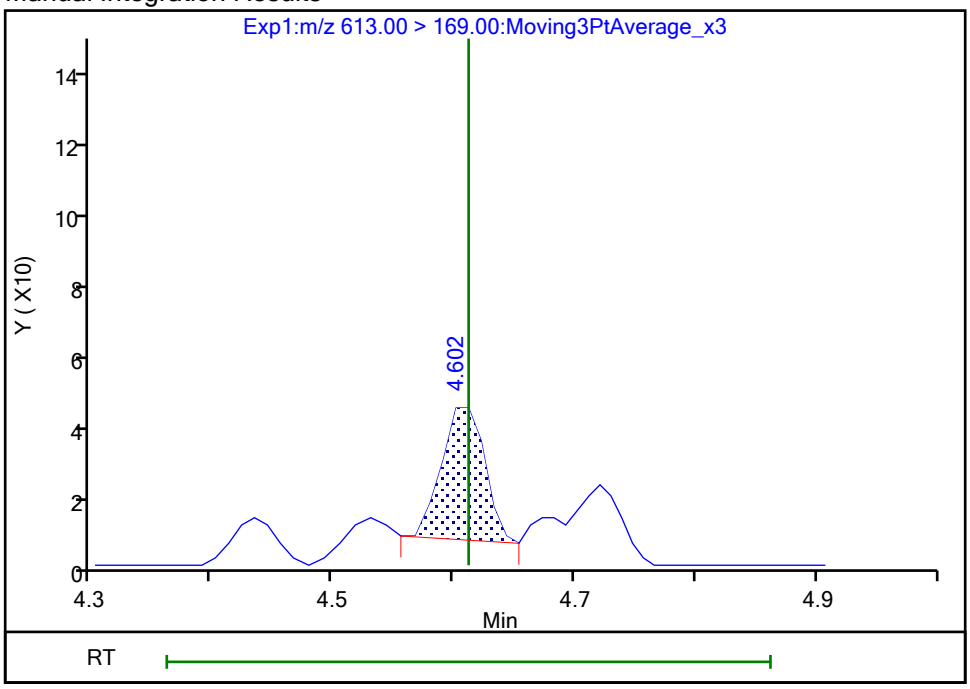
Not Detected
Expected RT: 4.61

Processing Integration Results



Manual Integration Results

RT: 4.60
Area: 89
Amount: 0.003293
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:47:16
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

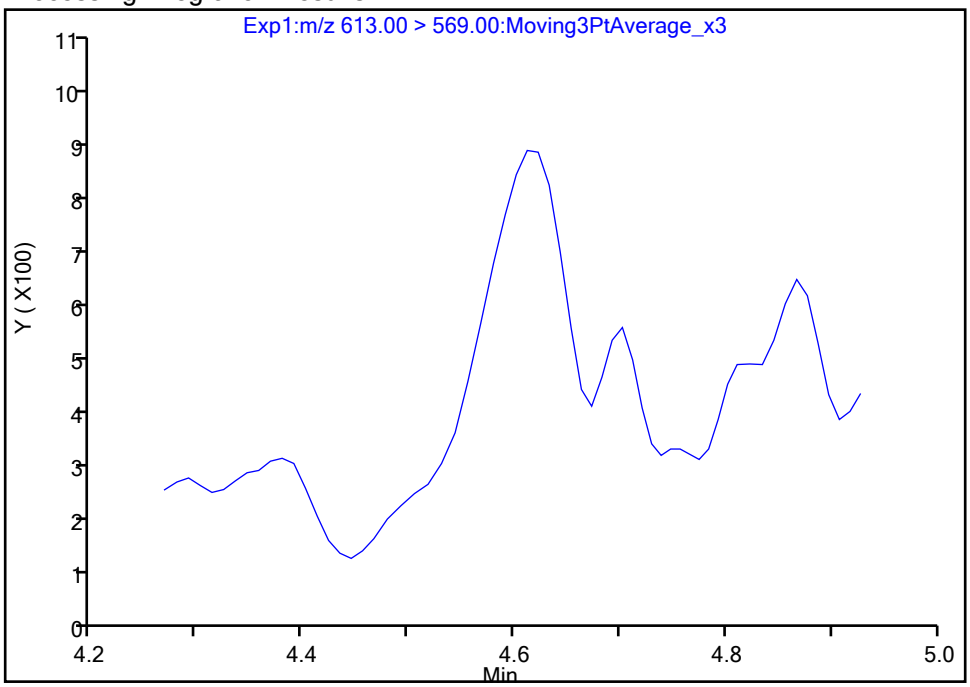
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B24.d				
Injection Date:	03-Mar-2021 22:08:46	Instrument ID:	LC812		
Lims ID:	480-181441-A-13-A	Lab Sample ID:	200-181441-13		
Client ID:	EQUIP BLANK				
Operator ID:	lc812tech	ALS Bottle#:	24	Worklist Smp#:	24
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

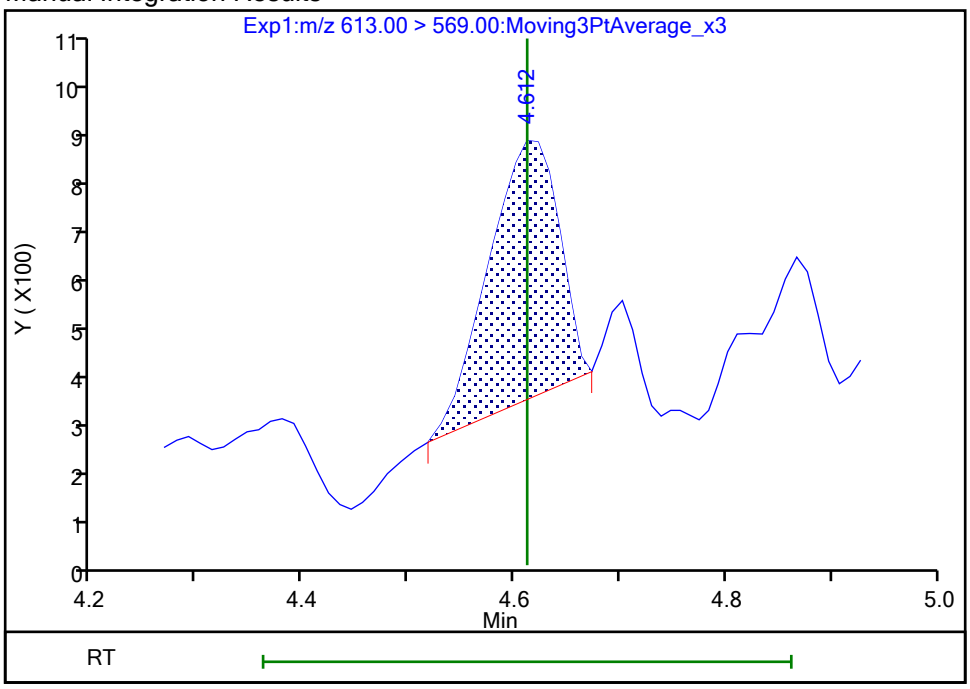
Not Detected
Expected RT: 4.61

Processing Integration Results



Manual Integration Results

RT: 4.61
Area: 2288
Amount: 0.003293
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:47:21
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

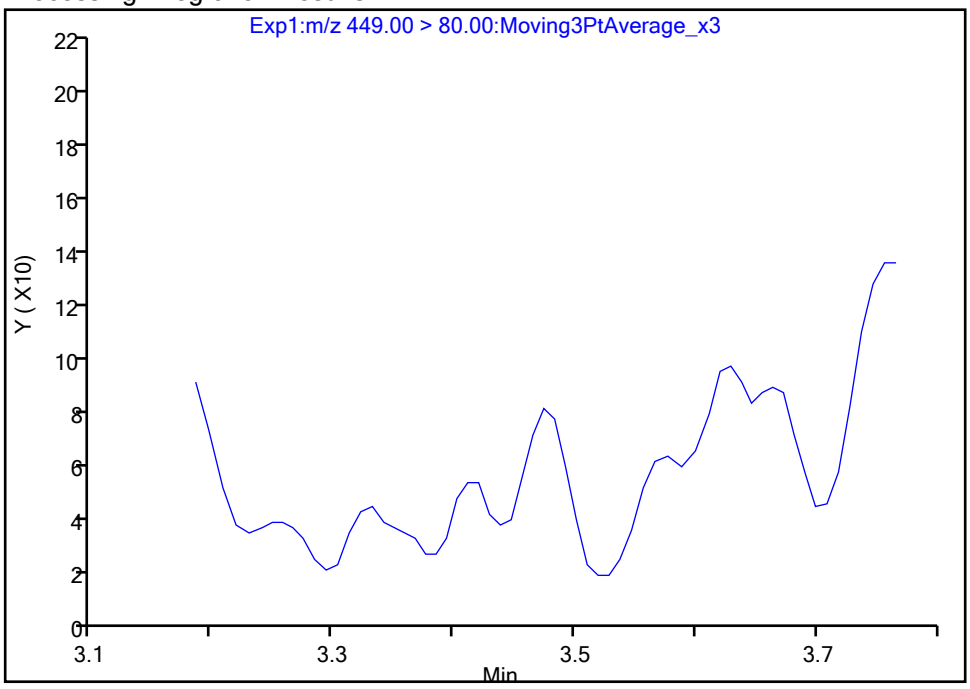
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B24.d				
Injection Date:	03-Mar-2021 22:08:46	Instrument ID:	LC812		
Lims ID:	480-181441-A-13-A	Lab Sample ID:	200-181441-13		
Client ID:	EQUIP BLANK				
Operator ID:	lc812tech	ALS Bottle#:	24	Worklist Smp#:	24
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

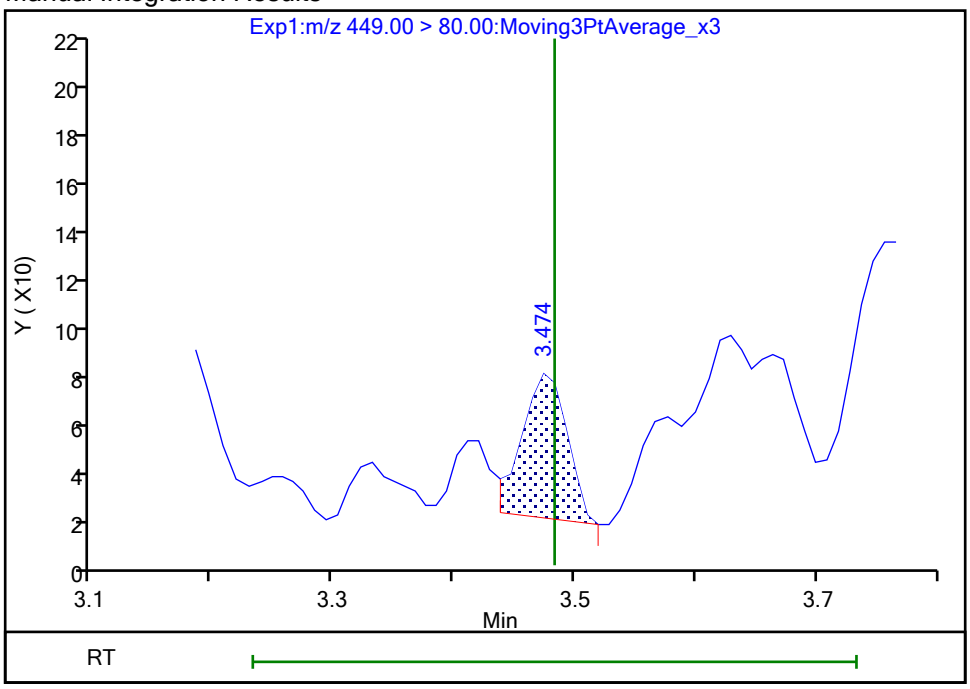
Not Detected
Expected RT: 3.48

Processing Integration Results



Manual Integration Results

RT: 3.47
Area: 154
Amount: 0.000162
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:45:40
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

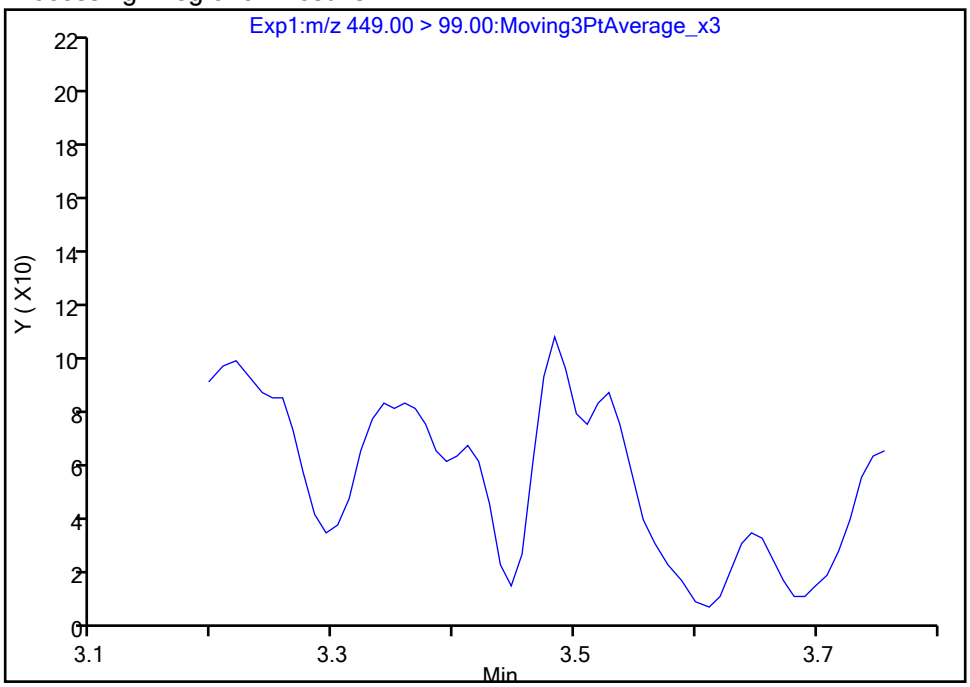
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B24.d				
Injection Date:	03-Mar-2021 22:08:46	Instrument ID:	LC812		
Lims ID:	480-181441-A-13-A	Lab Sample ID:	200-181441-13		
Client ID:	EQUIP BLANK				
Operator ID:	lc812tech	ALS Bottle#:	24	Worklist Smp#:	24
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

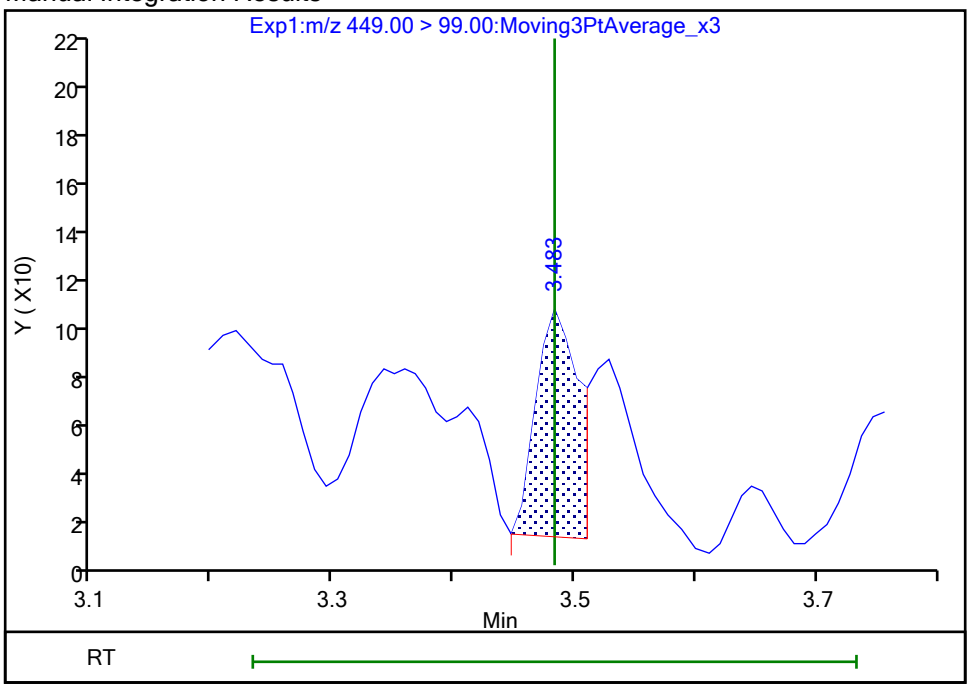
Not Detected
Expected RT: 3.48

Processing Integration Results



Manual Integration Results

RT: 3.48
Area: 224
Amount: 0.000162
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:45:41
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

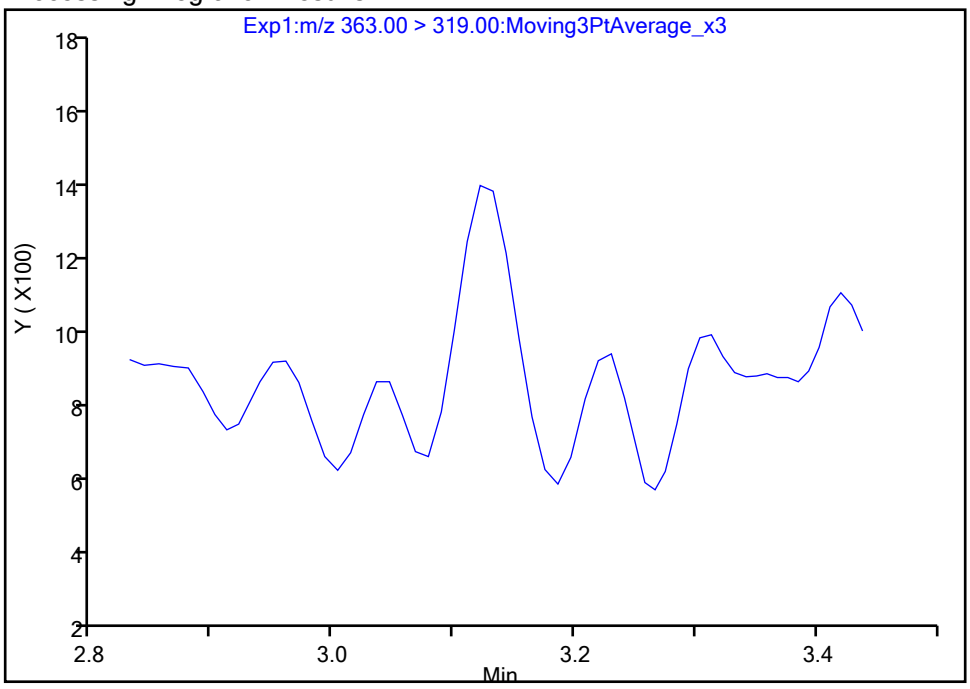
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B24.d				
Injection Date:	03-Mar-2021 22:08:46	Instrument ID:	LC812		
Lims ID:	480-181441-A-13-A	Lab Sample ID:	200-181441-13		
Client ID:	EQUIP BLANK				
Operator ID:	lc812tech	ALS Bottle#:	24	Worklist Smp#:	24
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

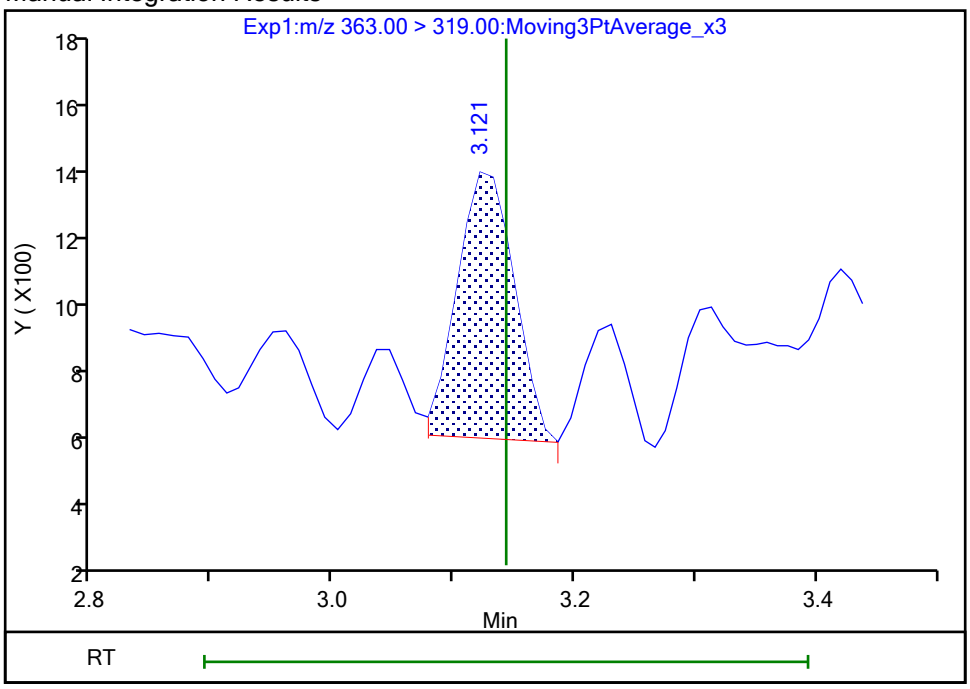
Not Detected
Expected RT: 3.14

Processing Integration Results



Manual Integration Results

RT: 3.12
Area: 2521
Amount: 0.002135
Amount Units: ng/ml



Reviewer: deannd, 04-Mar-2021 10:20:05
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

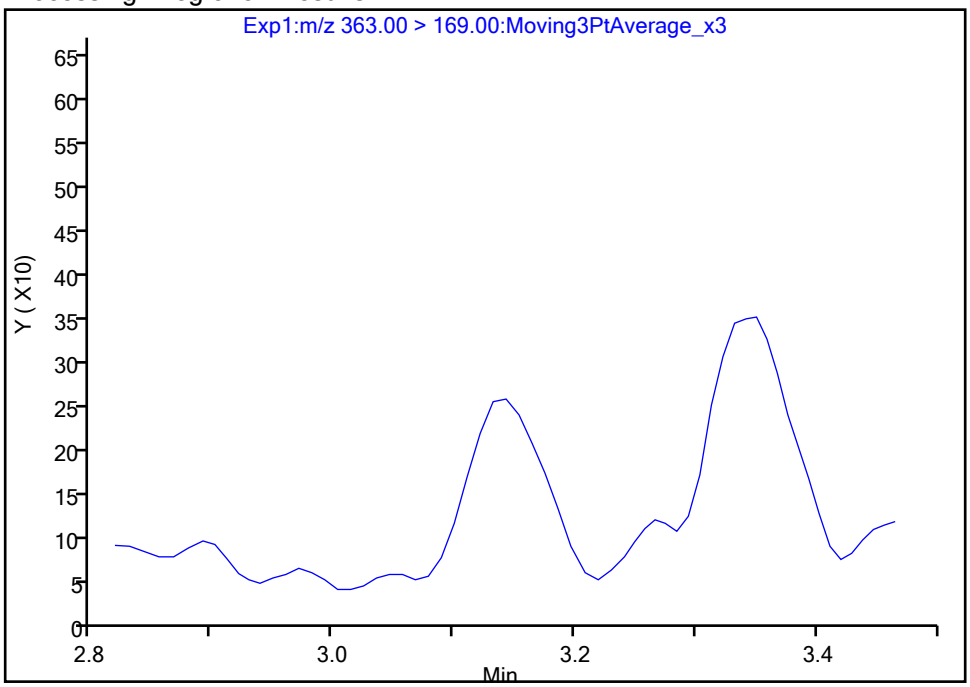
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B24.d				
Injection Date:	03-Mar-2021 22:08:46	Instrument ID:	LC812		
Lims ID:	480-181441-A-13-A	Lab Sample ID:	200-181441-13		
Client ID:	EQUIP BLANK				
Operator ID:	lc812tech	ALS Bottle#:	24	Worklist Smp#:	24
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

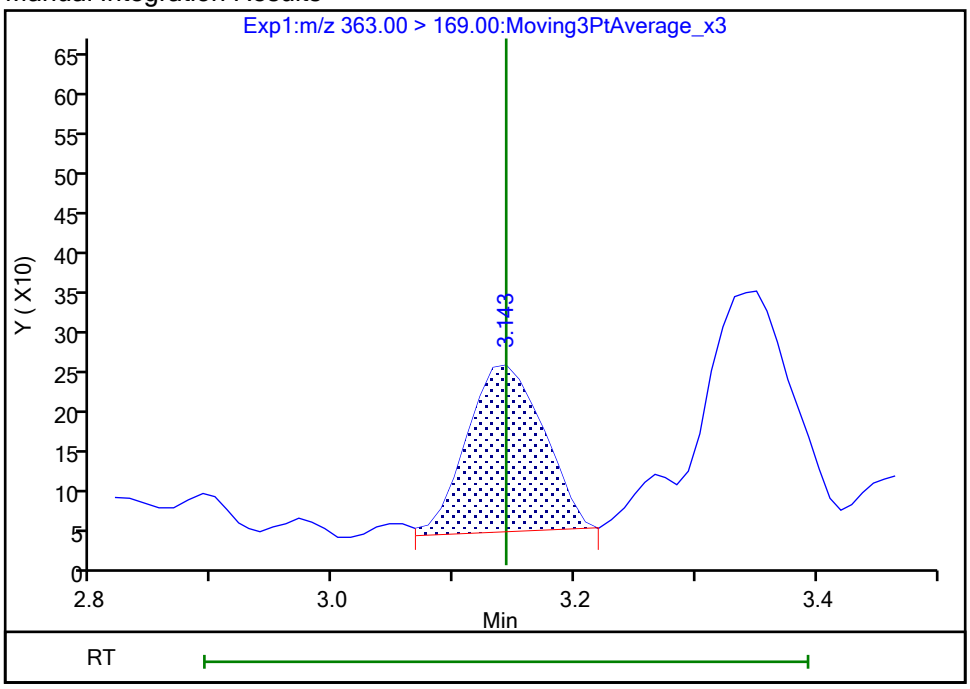
Not Detected
Expected RT: 3.14

Processing Integration Results



Manual Integration Results

RT: 3.14
Area: 921
Amount: 0.002135
Amount Units: ng/ml



Reviewer: deannd, 04-Mar-2021 10:20:10
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

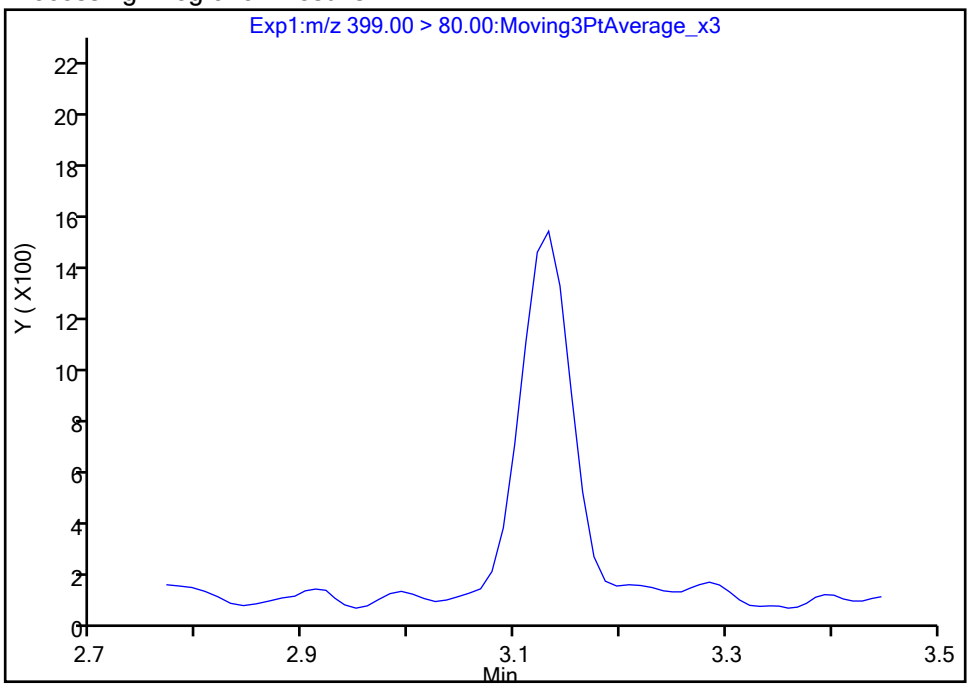
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B24.d				
Injection Date:	03-Mar-2021 22:08:46	Instrument ID:	LC812		
Lims ID:	480-181441-A-13-A	Lab Sample ID:	200-181441-13		
Client ID:	EQUIP BLANK				
Operator ID:	lc812tech	ALS Bottle#:	24	Worklist Smp#:	24
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

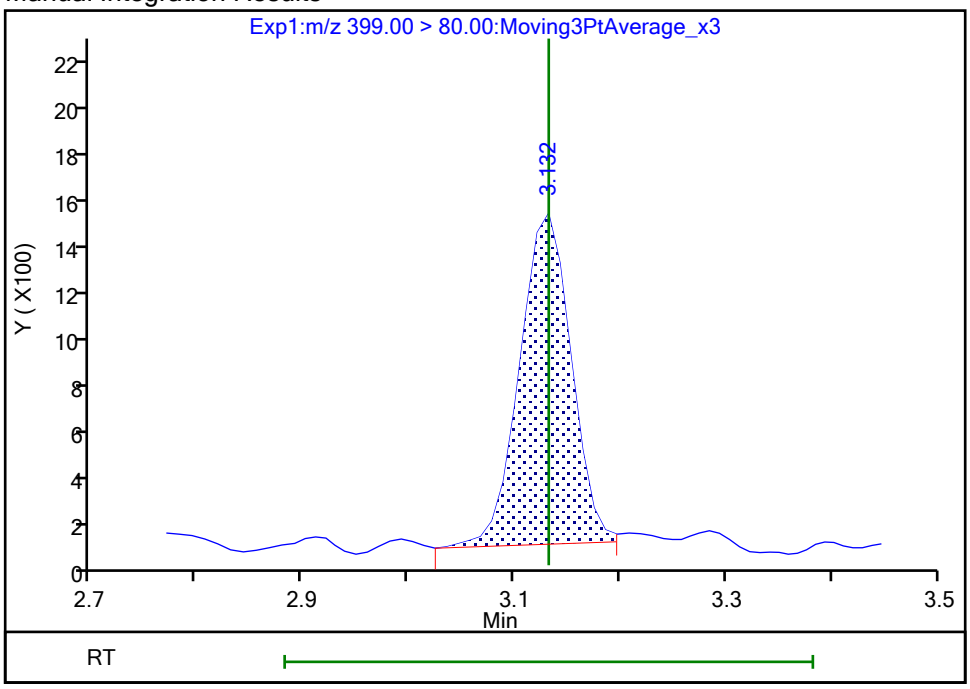
Not Detected
Expected RT: 3.13

Processing Integration Results



Manual Integration Results

RT: 3.13
Area: 4850
Amount: 0.004147
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:45:13
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

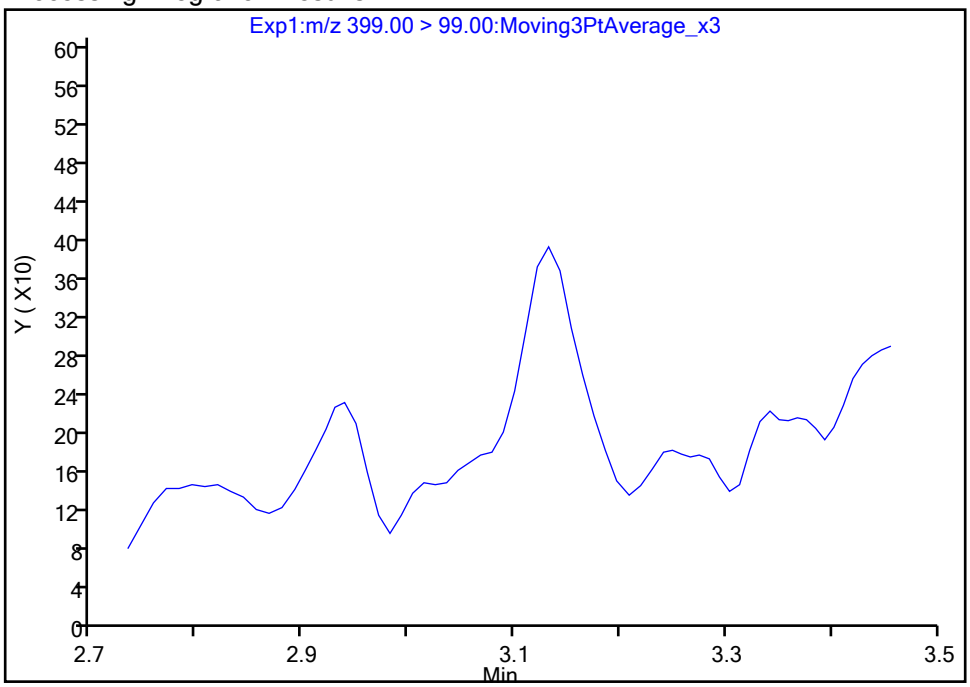
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B24.d				
Injection Date:	03-Mar-2021 22:08:46	Instrument ID:	LC812		
Lims ID:	480-181441-A-13-A	Lab Sample ID:	200-181441-13		
Client ID:	EQUIP BLANK				
Operator ID:	lc812tech	ALS Bottle#:	24	Worklist Smp#:	24
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

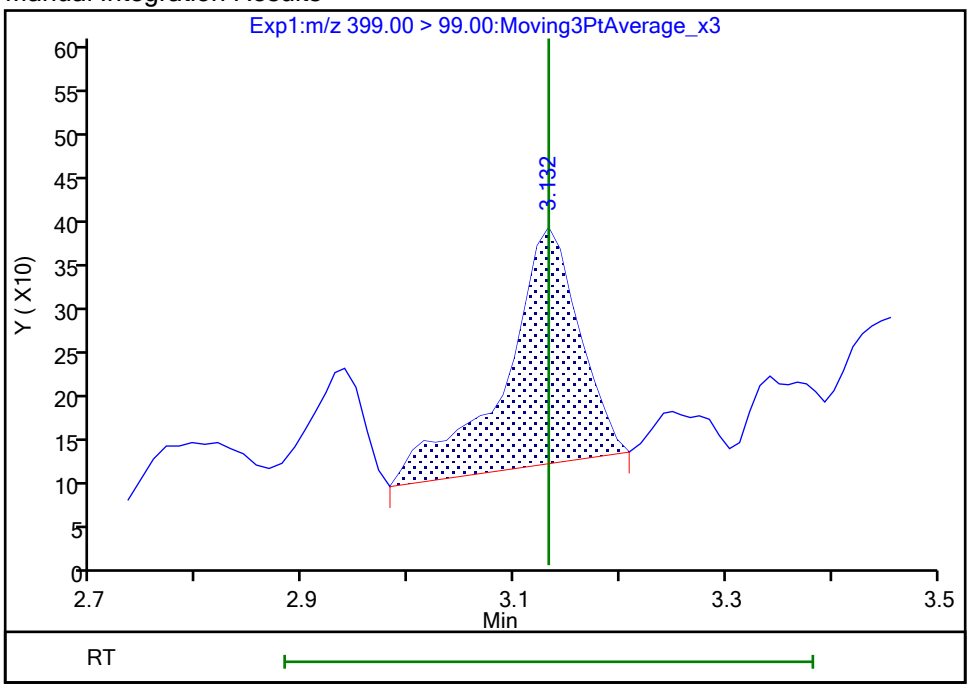
Not Detected
Expected RT: 3.13

Processing Integration Results



Manual Integration Results

RT: 3.13
Area: 1349
Amount: 0.004147
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:45:16
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

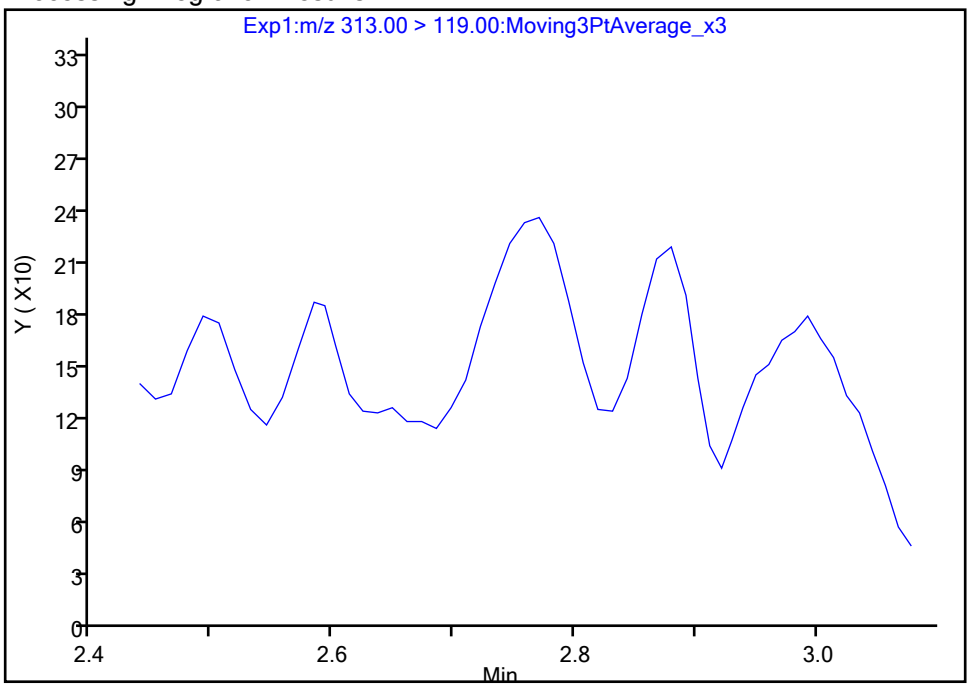
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B24.d				
Injection Date:	03-Mar-2021 22:08:46	Instrument ID:	LC812		
Lims ID:	480-181441-A-13-A	Lab Sample ID:	200-181441-13		
Client ID:	EQUIP BLANK				
Operator ID:	lc812tech	ALS Bottle#:	24	Worklist Smp#:	24
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

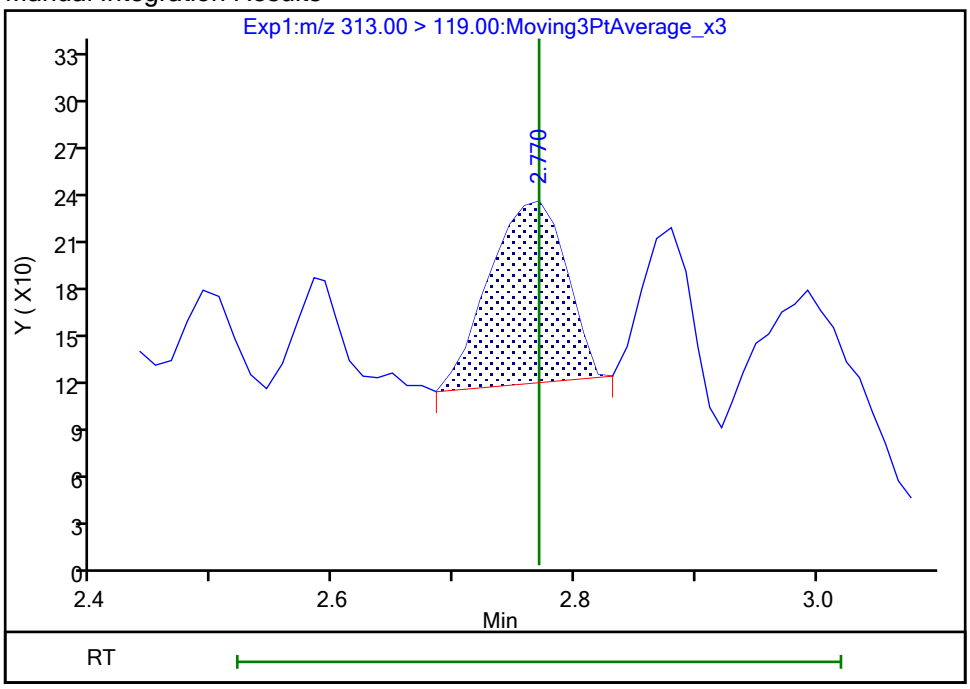
Not Detected
Expected RT: 2.77

Processing Integration Results



Manual Integration Results

RT: 2.77
Area: 515
Amount: 0.004496
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:45:03
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

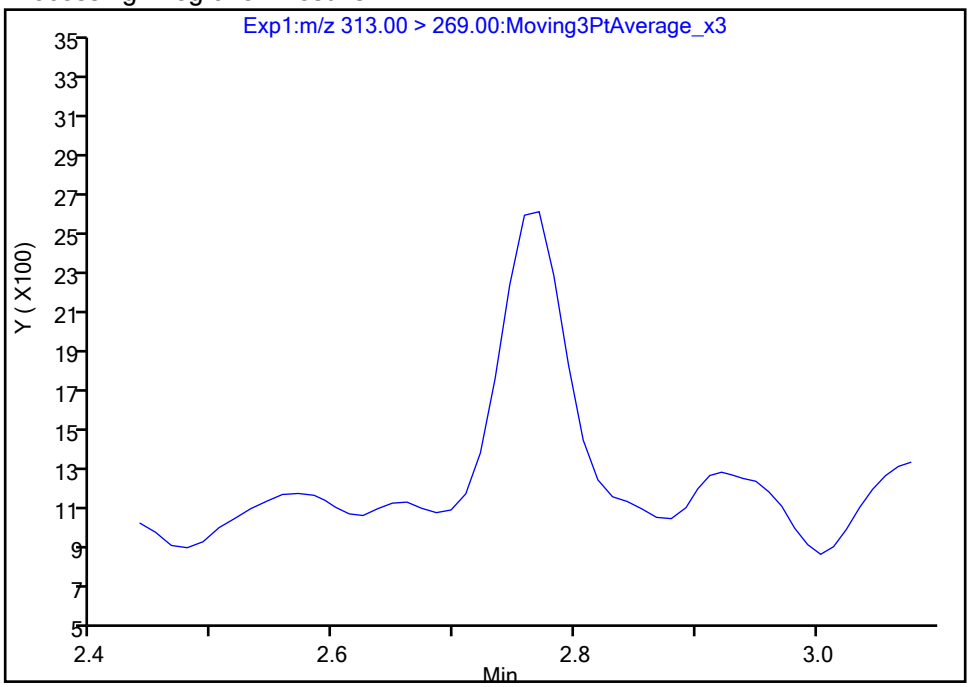
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B24.d				
Injection Date:	03-Mar-2021 22:08:46	Instrument ID:	LC812		
Lims ID:	480-181441-A-13-A	Lab Sample ID:	200-181441-13		
Client ID:	EQUIP BLANK				
Operator ID:	lc812tech	ALS Bottle#:	24	Worklist Smp#:	24
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

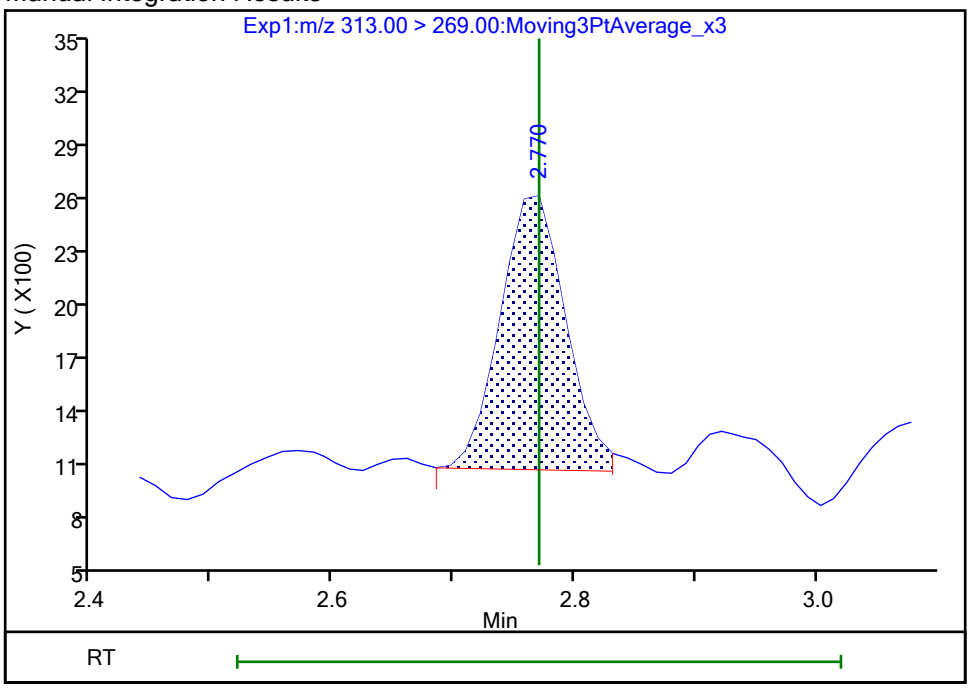
Not Detected
Expected RT: 2.77

Processing Integration Results



Manual Integration Results

RT: 2.77
Area: 5525
Amount: 0.004496
Amount Units: ng/ml



Reviewer: deannd, 04-Mar-2021 10:19:54
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

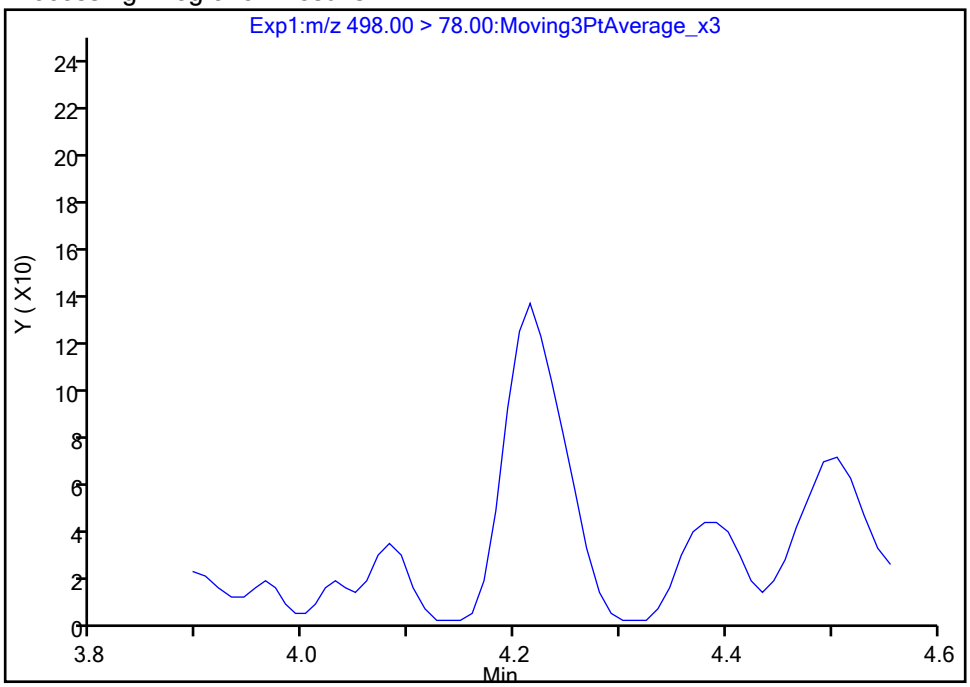
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B24.d				
Injection Date:	03-Mar-2021 22:08:46	Instrument ID:	LC812		
Lims ID:	480-181441-A-13-A	Lab Sample ID:	200-181441-13		
Client ID:	EQUIP BLANK				
Operator ID:	lc812tech	ALS Bottle#:	24	Worklist Smp#:	24
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

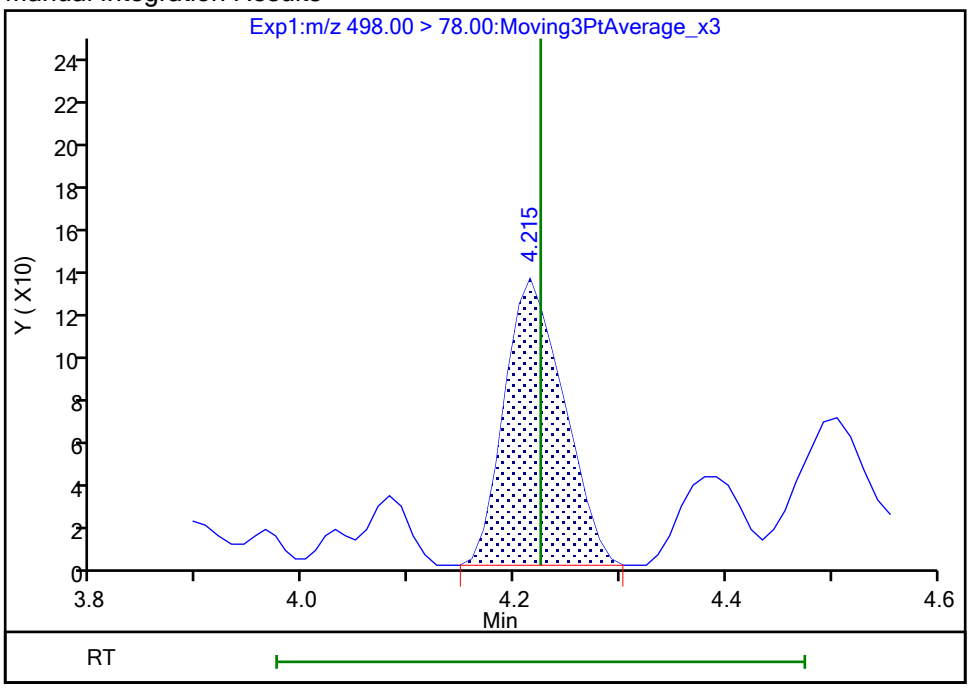
Not Detected
Expected RT: 4.22

Processing Integration Results



Manual Integration Results

RT: 4.21
Area: 529
Amount: 0.000502
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:47:03
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

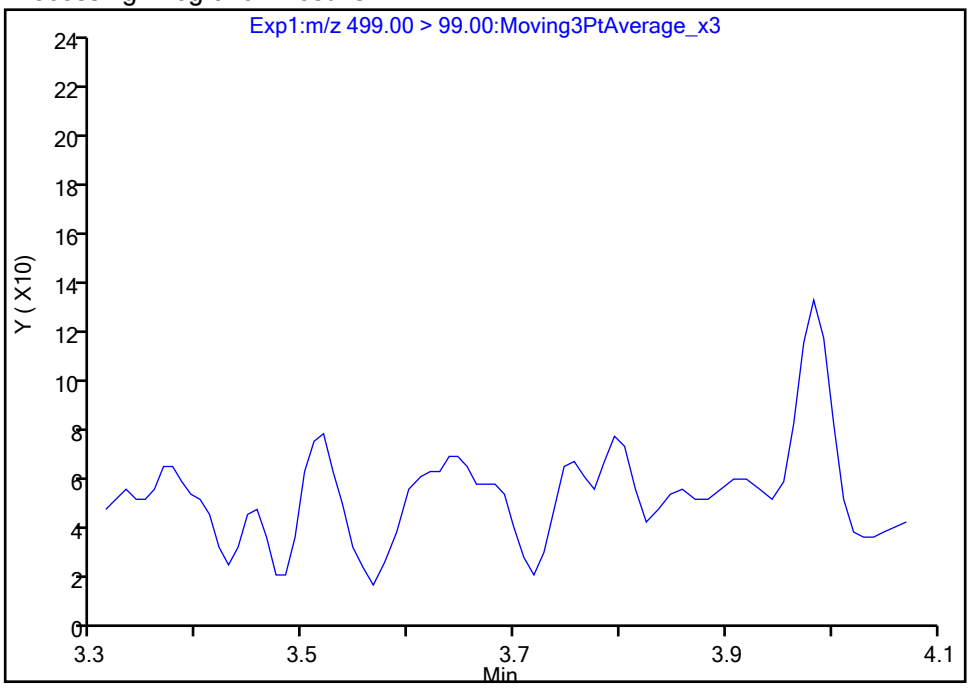
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Injection Date:	03-Mar-2021 22:08:46	Instrument ID:	LC812		
Lims ID:	480-181441-A-13-A	Lab Sample ID:	200-181441-13		
Client ID:	EQUIP BLANK				
Operator ID:	lc812tech	ALS Bottle#:	24	Worklist Smp#:	24
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

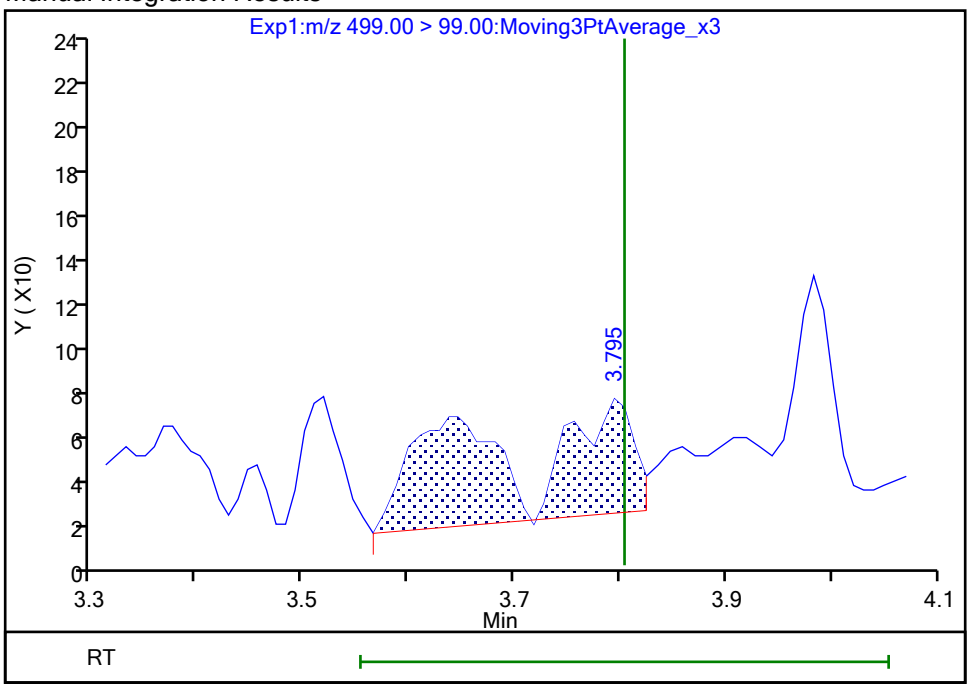
Not Detected
Expected RT: 3.80

Processing Integration Results



RT: 3.79
Area: 476
Amount: 0.001489
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 04-Mar-2021 15:46:18
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

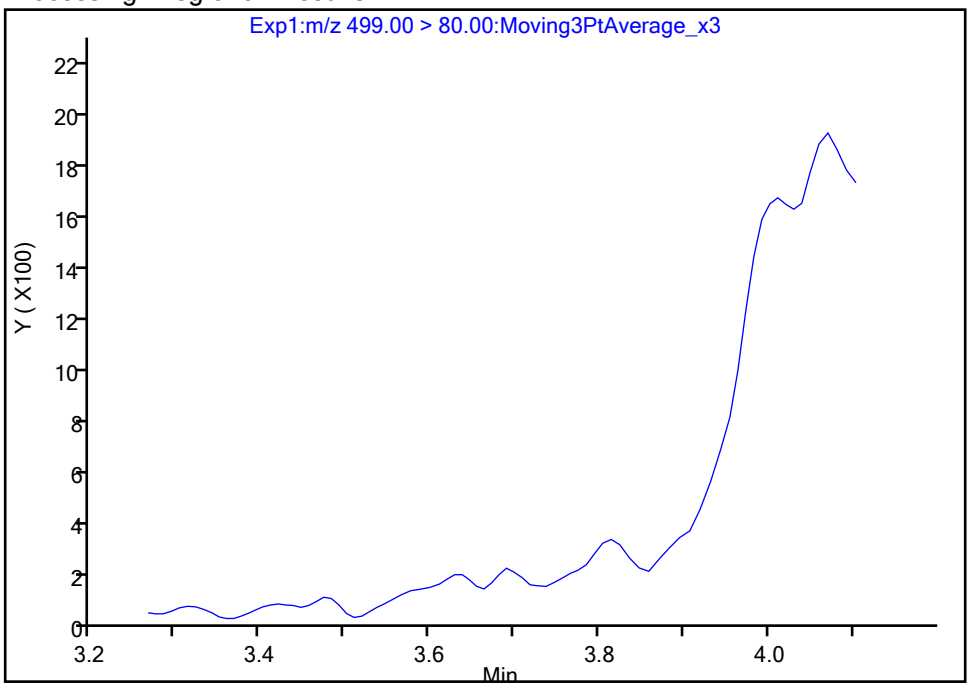
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B24.d				
Injection Date:	03-Mar-2021 22:08:46	Instrument ID:	LC812		
Lims ID:	480-181441-A-13-A	Lab Sample ID:	200-181441-13		
Client ID:	EQUIP BLANK				
Operator ID:	lc812tech	ALS Bottle#:	24	Worklist Smp#:	24
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

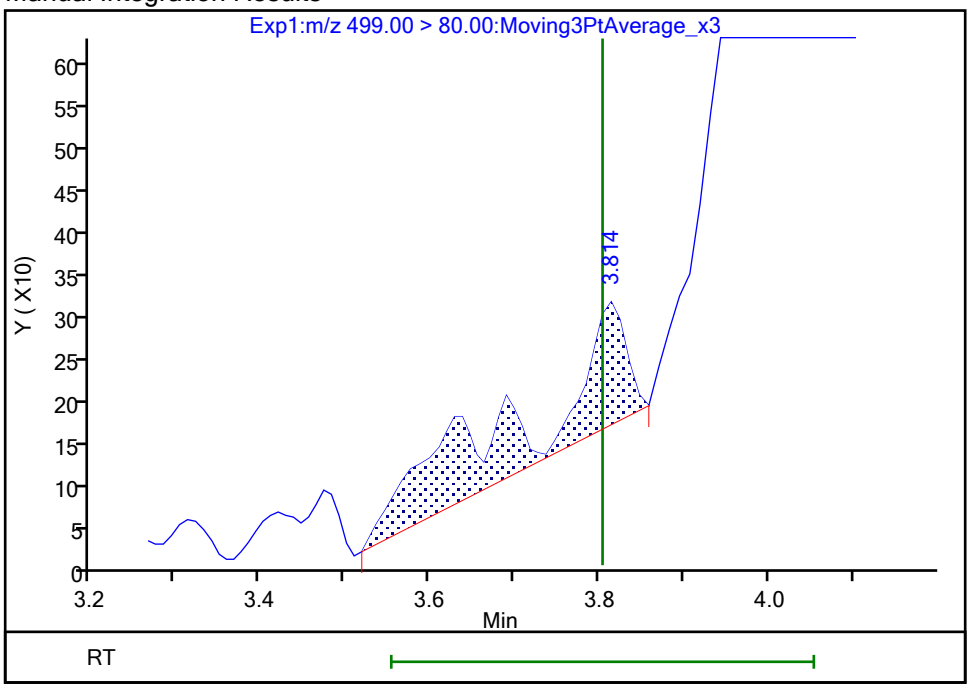
Not Detected
Expected RT: 3.80

Processing Integration Results



RT: 3.81
Area: 1209
Amount: 0.001489
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 04-Mar-2021 15:46:31
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

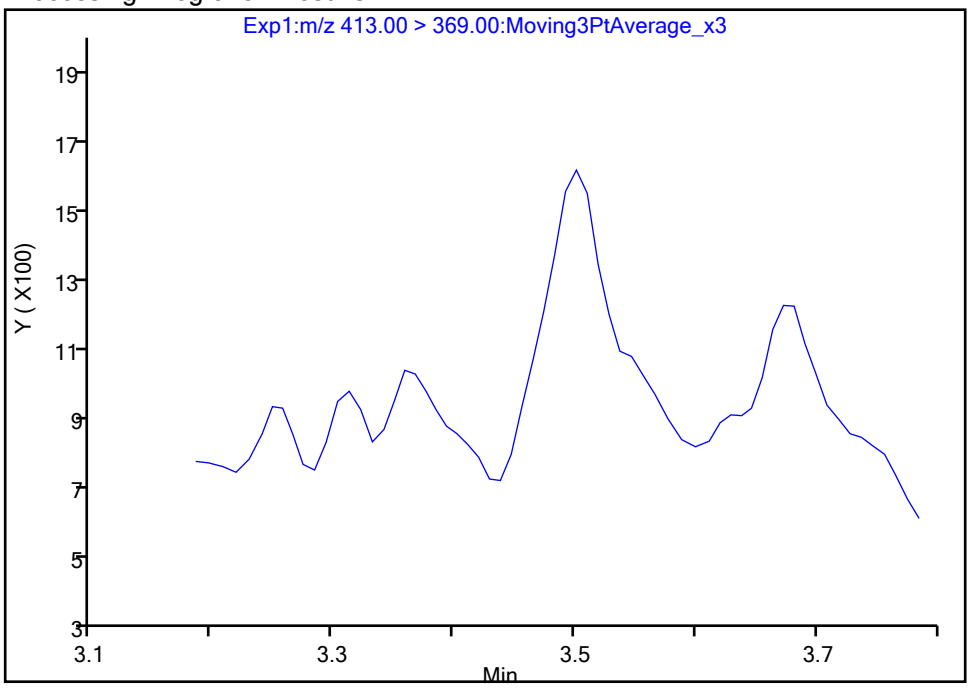
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B24.d				
Injection Date:	03-Mar-2021 22:08:46	Instrument ID:	LC812		
Lims ID:	480-181441-A-13-A	Lab Sample ID:	200-181441-13		
Client ID:	EQUIP BLANK				
Operator ID:	lc812tech	ALS Bottle#:	24	Worklist Smp#:	24
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

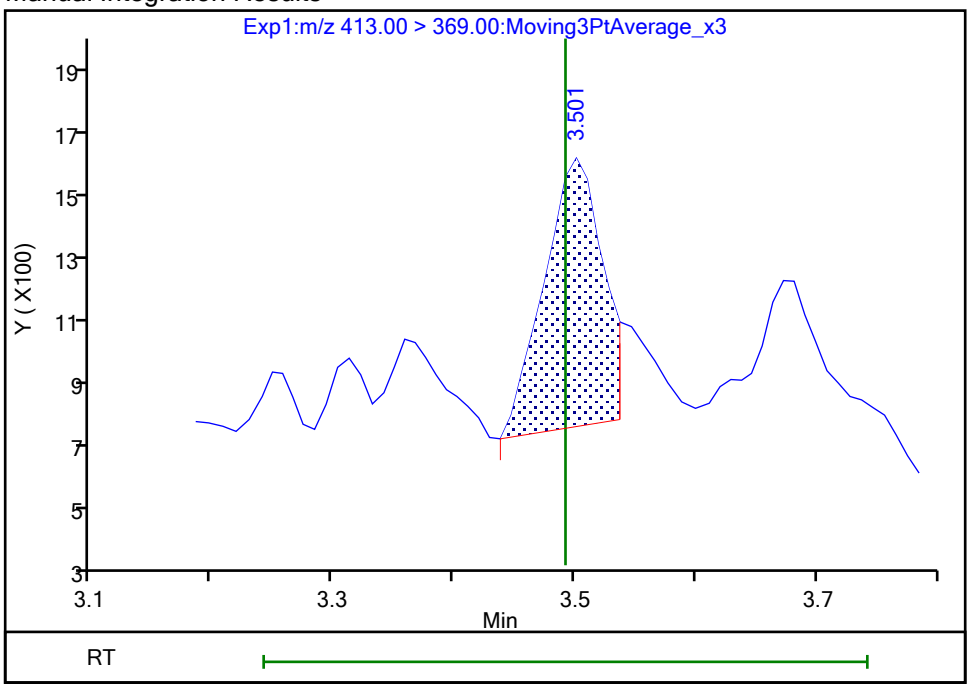
Not Detected
Expected RT: 3.49

Processing Integration Results



Manual Integration Results

RT: 3.50
Area: 2641
Amount: 0.002329
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:46:00
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

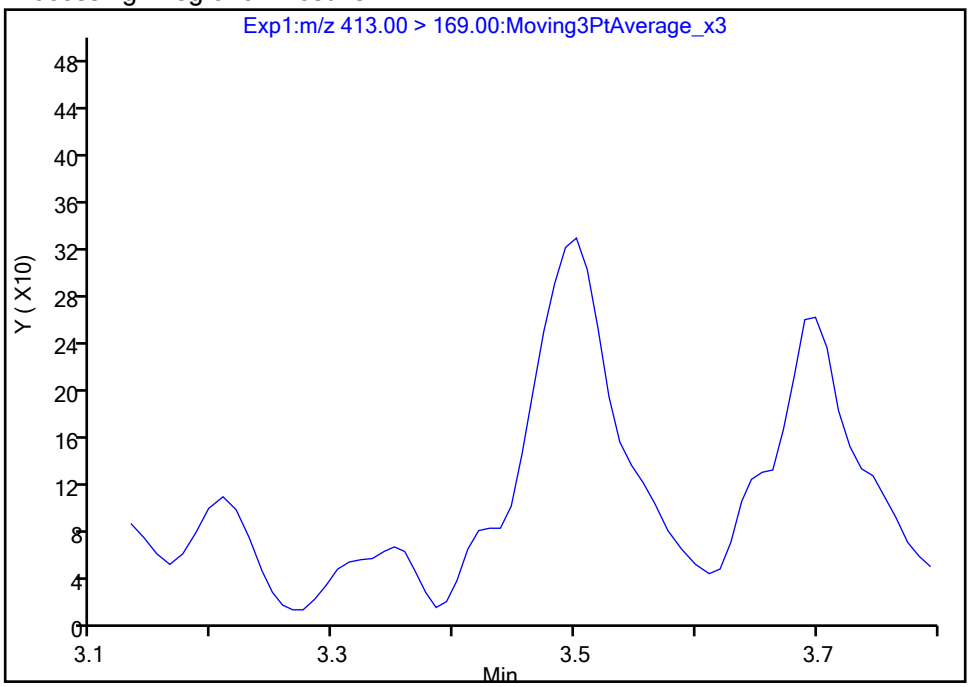
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B24.d				
Injection Date:	03-Mar-2021 22:08:46	Instrument ID:	LC812		
Lims ID:	480-181441-A-13-A	Lab Sample ID:	200-181441-13		
Client ID:	EQUIP BLANK				
Operator ID:	lc812tech	ALS Bottle#:	24	Worklist Smp#:	24
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

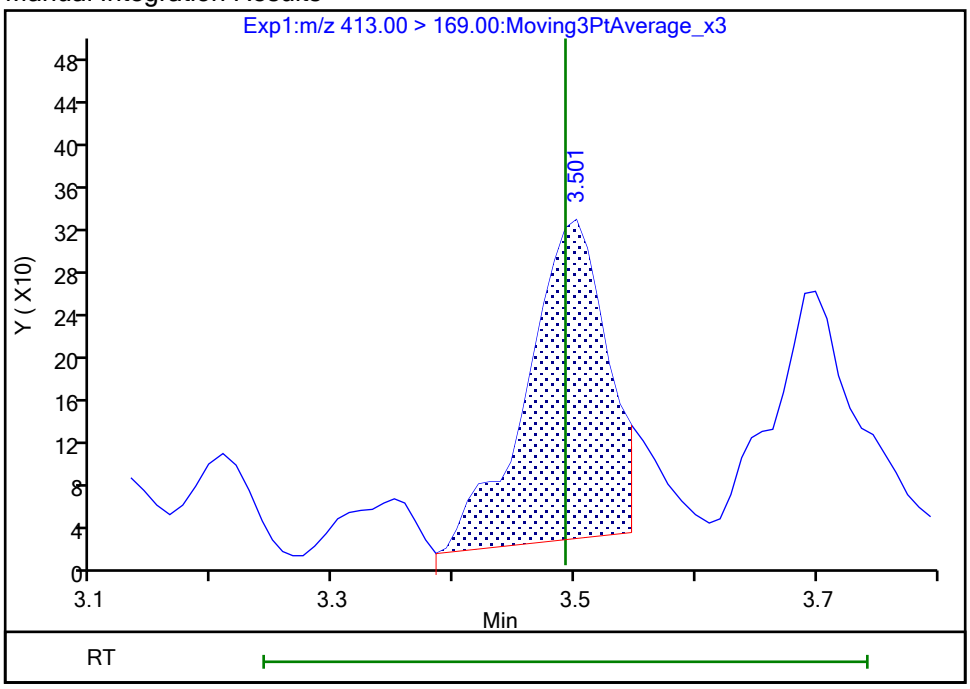
Not Detected
Expected RT: 3.49

Processing Integration Results



Manual Integration Results

RT: 3.50
Area: 1385
Amount: 0.002329
Amount Units: ng/ml



Reviewer: deannd, 04-Mar-2021 10:20:18
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

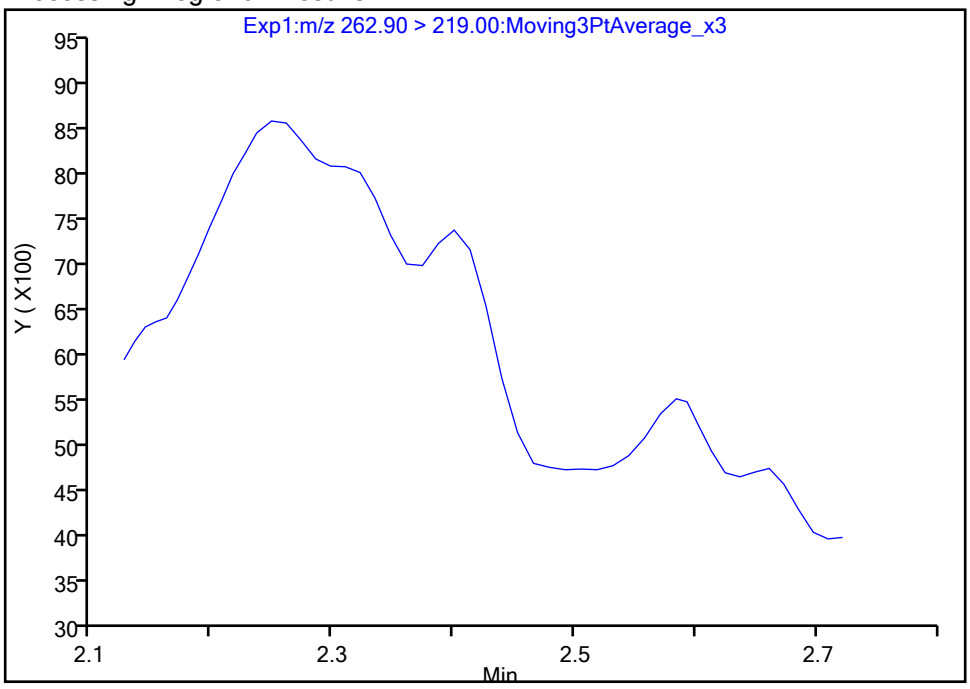
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B24.d				
Injection Date:	03-Mar-2021 22:08:46	Instrument ID:	LC812		
Lims ID:	480-181441-A-13-A	Lab Sample ID:	200-181441-13		
Client ID:	EQUIP BLANK				
Operator ID:	lc812tech	ALS Bottle#:	24	Worklist Smp#:	24
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

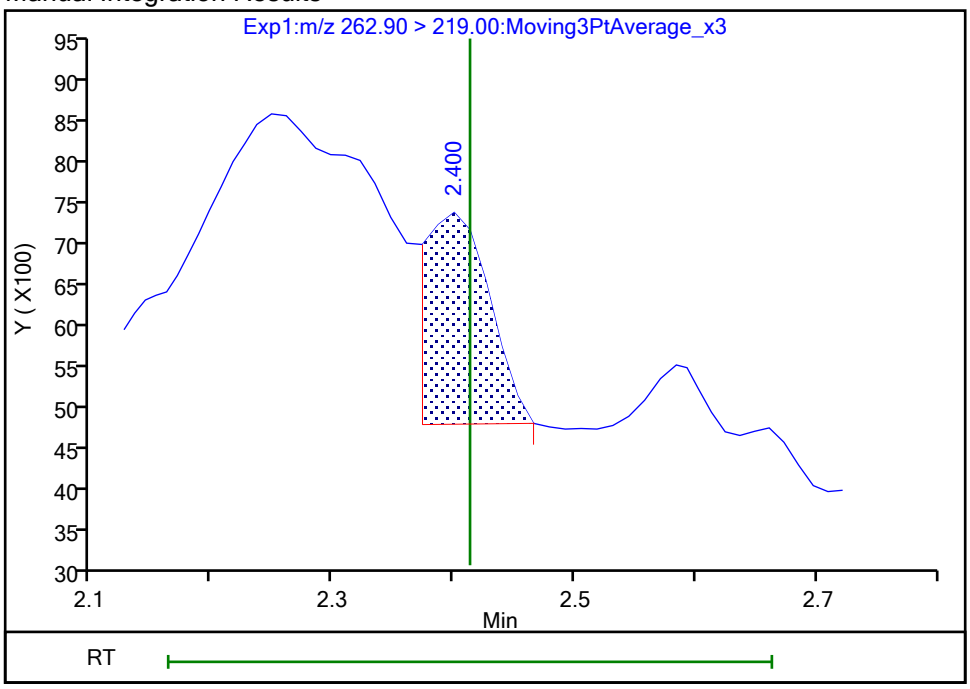
Not Detected
Expected RT: 2.41

Processing Integration Results



Manual Integration Results

RT: 2.40
Area: 8946
Amount: 0.007790
Amount Units: ng/ml



Reviewer: deannd, 04-Mar-2021 10:19:46
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

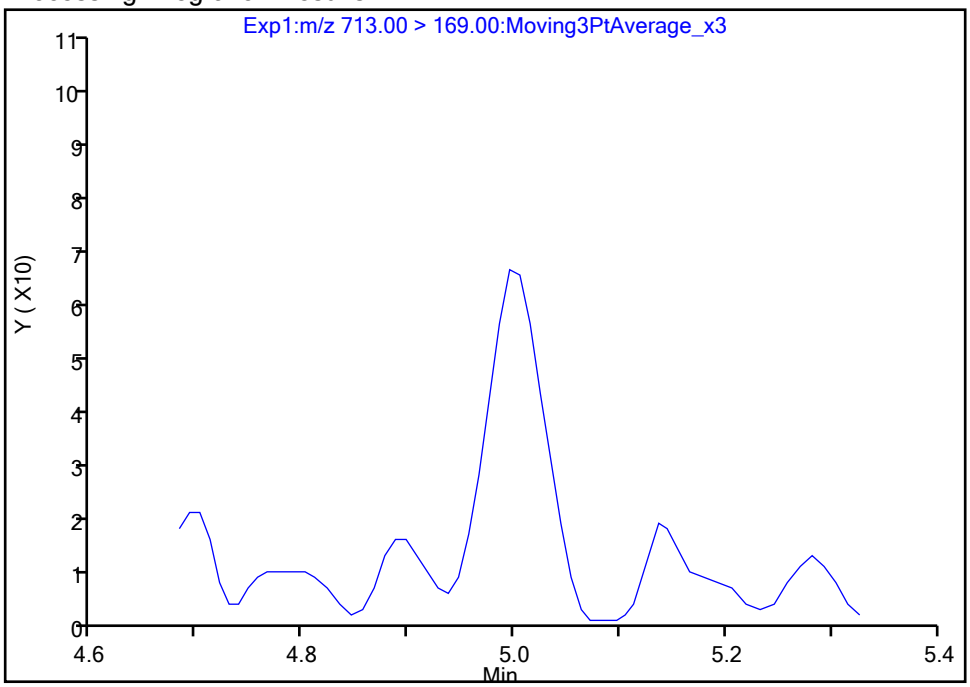
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B24.d				
Injection Date:	03-Mar-2021 22:08:46	Instrument ID:	LC812		
Lims ID:	480-181441-A-13-A	Lab Sample ID:	200-181441-13		
Client ID:	EQUIP BLANK				
Operator ID:	lc812tech	ALS Bottle#:	24	Worklist Smp#:	24
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

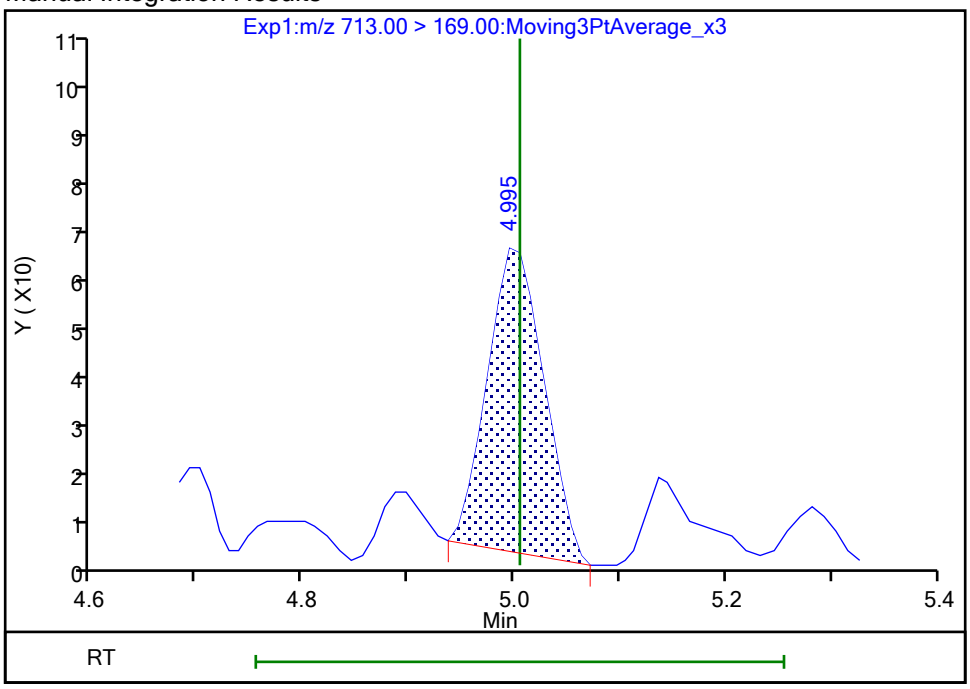
Not Detected
Expected RT: 5.00

Processing Integration Results



Manual Integration Results

RT: 5.00
Area: 231
Amount: 0.002973
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:47:26
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

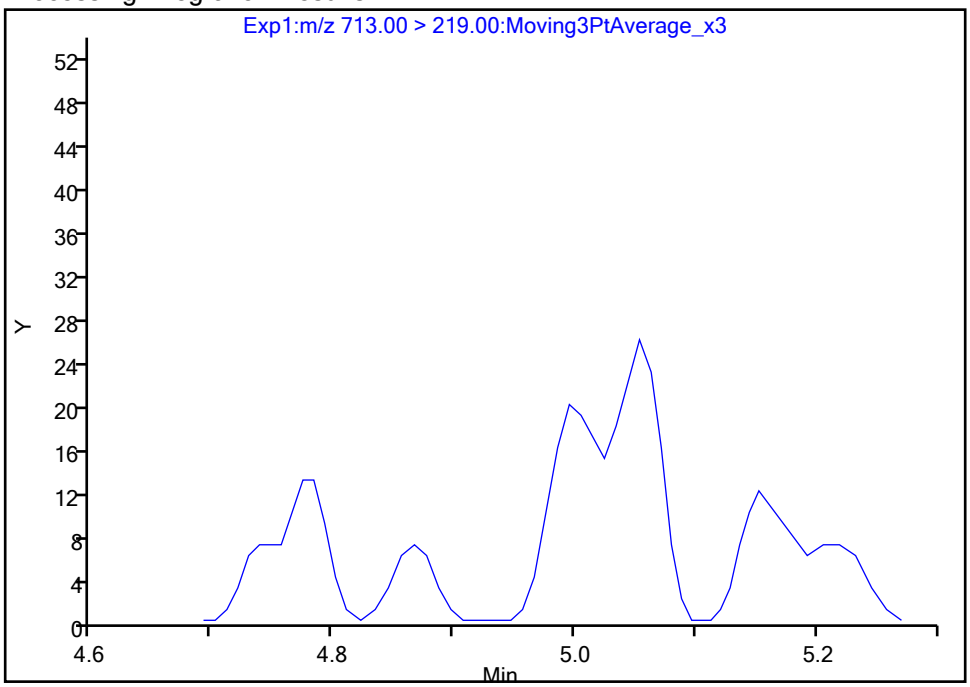
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B24.d				
Injection Date:	03-Mar-2021 22:08:46	Instrument ID:	LC812		
Lims ID:	480-181441-A-13-A	Lab Sample ID:	200-181441-13		
Client ID:	EQUIP BLANK				
Operator ID:	lc812tech	ALS Bottle#:	24	Worklist Smp#:	24
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

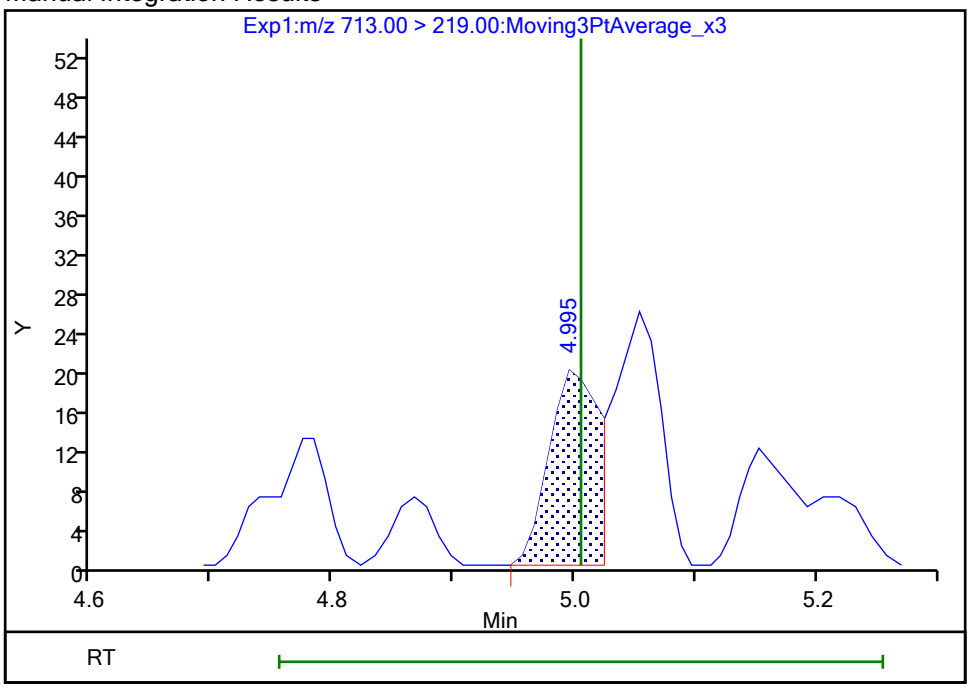
Not Detected
Expected RT: 5.00

Processing Integration Results



Manual Integration Results

RT: 5.00
Area: 54
Amount: 0.002973
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 15:47:31
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM VI
LCMS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1 Analy Batch No.: 162365

SDG No.:

Instrument ID: LC812 GC Column: C-18 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/22/2020 12:48 Calibration End Date: 12/22/2020 13:29 Calibration ID: 44876

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-162365/8	PA201222ICAL008.d
Level 2	IC 200-162365/9	PA201222ICAL009.d
Level 3	IC 200-162365/10	PA201222ICAL010.d
Level 4	ICIS 200-162365/11	PA201222ICAL011.d
Level 5	IC 200-162365/12	PA201222ICAL012.d
Level 6	IC 200-162365/13	PA201222ICAL013.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Perfluorobutanoic acid (PFBA)	1.2189 0.9212	1.0687	0.9486	0.9302	0.9245	AveID		1.0020				12.0		35.0			
Perfluoropentanoic acid (PFPeA)	1.2359 1.0381	1.2067	1.0701	1.0593	1.0336	AveID		1.1073				8.1		35.0			
Perfluorobutanesulfonic acid (PFBS)	1.2430 1.0810	1.2027	1.1143	1.0713	1.0755	AveID		1.1313				6.5		35.0			
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	2.1097 1.7815	1.7396	1.8012	1.7853	1.7852	AveID		1.8337				7.5		50.0			
Perfluorohexanoic acid (PFHxA)	1.2889 1.0559	1.0893	1.0241	1.0681	1.0283	AveID		1.0924				9.1		35.0			
Perfluoropentanesulfonic acid	1.3317 1.2762	1.3900	1.3228	1.3125	1.2408	AveID		1.3123				3.9		50.0			
HFPO-DA	1.6029 1.5130	1.4395	1.2239	1.2678	1.2653	AveID		1.3854				11.2		35.0			
Perfluorohexanesulfonic acid (PFHxS)	1.3163 1.0823	1.2845	1.1737	1.1347	1.0794	AveID		1.1785				8.6		35.0			
Perfluoroheptanoic acid (PFHpA)	1.1499 1.0050	1.2248	1.0199	1.0649	1.0888	AveID		1.0922				7.6		35.0			
DONA	3.5199 3.1986	3.4097	3.3571	3.1992	3.4069	AveID		3.3485				3.8		50.0			
Perfluoroheptanesulfonic Acid (PFHpS)	1.4516 1.2663	1.4209	1.3827	1.2969	1.2825	AveID		1.3502				5.8		50.0			
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	1.1353 1.1108	1.0938	1.0521	1.1805	1.1016	AveID		1.1123				3.9		35.0			
Perfluorooctanoic acid (PFOA)	1.1405 1.0797	1.1163	1.0725	1.0647	1.0301	AveID		1.0840				3.6		35.0			

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

FORM VI
LCMS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1 Analy Batch No.: 162365

SDG No.:

Instrument ID: LC812 GC Column: C-18 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/22/2020 12:48 Calibration End Date: 12/22/2020 13:29 Calibration ID: 44876

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Perfluorooctanesulfonic acid (PFOS)	1.2730 1.0861	1.2252	1.1557	1.0760	1.0845	AveID		1.1501				7.2		35.0			
Perfluorononanoic acid (PFNA)	1.2720 1.0506	1.1314	1.0797	1.0688	1.0387	AveID		1.1069				7.9		35.0			
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	1.3764 1.2216	1.2415	1.2991	1.2610	1.2996	AveID		1.2832				4.3		50.0			
Perfluorononanesulfonic acid	0.9575 0.8062	0.9122	0.8952	0.7667	0.8107	AveID		0.8581				8.6		50.0			
Perfluorodecanoic acid (PFDA)	1.0684 1.0125	1.0468	1.0595	1.0466	0.9494	AveID		1.0305				4.3		35.0			
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	0.6644 0.6523	0.7808	0.6633	0.6388	0.6810	AveID		0.6801				7.5		35.0			
Perfluorooctanesulfonamide (PFOSA)	0.9663 0.9744	1.0478	0.9946	0.9970	1.0328	AveID		1.0021				3.2		35.0			
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.8884 0.9227	0.9333	0.7706	0.9010	0.9023	AveID		0.8864				6.7		35.0			
Perfluorodecanesulfonic acid (PFDS)	0.7308 0.6500	0.6951	0.6680	0.6763	0.6843	AveID		0.6841				4.0		50.0			
Perfluoroundecanoic acid (PFUnA)	0.9653 0.9963	1.0681	1.0534	1.0365	0.9995	AveID		1.0198				3.8		35.0			
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.0840 0.8490	0.9020	0.8715	0.8865	0.9612	AveID		0.9257				9.3		35.0			
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	1.3680 1.2897	1.3189	1.3742	1.3366	1.3013	AveID		1.3315				2.6		50.0			
Perfluorododecanoic acid (PFDoA)	1.1939 1.0908	1.1709	1.0287	1.0643	1.0505	AveID		1.0999				6.1		35.0			
10:2 FTS	0.2963 0.3499	0.3593	0.3884	0.3534	0.3536	AveID		0.3501				8.5		50.0			
Perfluorododecanesulfonic acid (PFDoS)	0.3056 0.2278	0.2625	0.2486	0.2372	0.2284	AveID		0.2517				11.7		50.0			
Perfluorotridecanoic acid (PFTriA)	0.9603 0.8509	0.9077	0.8822	0.8740	0.8804	AveID		0.8926				4.2		50.0			
Perfluorotetradecanoic acid (PFTeA)	0.2058 0.1744	0.1755	0.1790	0.1993	0.1787	AveID		0.1855				7.3		35.0			

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

FORM VI
LCMS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1 Analy Batch No.: 162365

SDG No.:

Instrument ID: LC812 GC Column: C-18 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/22/2020 12:48 Calibration End Date: 12/22/2020 13:29 Calibration ID: 44876

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Perfluoro-n-hexadecanoic acid (PFHxDA)	1.1808 0.9325	1.0946	0.9853	0.9326	0.9374	L1ID	0.0142	0.9312							1.0000		0.9900
Perfluoro-n-octadecanoic acid (PFODA)	0.9585 0.9072	0.8914	0.8714	0.8948	0.8753	AveID		0.8998				3.5		50.0			
13C4 PFBA	1.3516 1.4010	1.2562	1.3934	1.3322	1.3257	Ave		1.3433				3.9		30.0			
13C5 PFPeA	1.0050 0.9950	0.9334	0.9917	0.9482	0.9528	Ave		0.9710				3.1		30.0			
13C3 PFBS	1.2595 1.3474	1.2450	1.2928	1.2842	1.2377	Ave		1.2778				3.2		30.0			
M2-4:2 FTS	0.1068 0.1107	0.1097	0.1066	0.1039	0.1020	Ave		0.1066				3.1		30.0			
13C2 PFHxA	1.0392 1.0173	0.9943	1.0464	1.0067	1.0023	Ave		1.0177				2.1		30.0			
13C3 HFPO-DA	0.1775 0.1641	0.1678	0.2001	0.1881	0.1776	Ave		0.1792				7.4		30.0			
18O2 PFHxS	0.9945 0.9952	0.9157	0.9459	0.9138	0.9414	Ave		0.9511				3.8		30.0			
13C4 PFHpA	0.9758 1.0180	0.9235	1.0338	0.9550	0.9390	Ave		0.9742				4.5		30.0			
M2-6:2 FTS	0.1210 0.1191	0.1173	0.1250	0.1147	0.1152	Ave		0.1187				3.3		30.0			
13C4 PFOA	1.0167 0.9862	0.9977	0.9929	0.9770	0.9669	Ave		0.9896				1.7		30.0			
13C4 PFOS	0.6612 0.6787	0.6466	0.6579	0.6518	0.6206	Ave		0.6528				2.9		30.0			
13C5 PFNA	0.9008 0.8670	0.8743	0.8943	0.8543	0.8475	Ave		0.8730				2.4		30.0			
13C2 PFDA	0.8480 0.8214	0.8392	0.8359	0.8118	0.8517	Ave		0.8346				1.8		30.0			
M2-8:2 FTS	0.1285 0.1295	0.1188	0.1212	0.1180	0.1188	Ave		0.1225				4.2		30.0			
13C8 FOSA	1.2313 1.3053	1.2240	1.2319	1.2023	1.1664	Ave		1.2269				3.7		30.0			
d3-NMeFOSAA	0.0571 0.0621	0.0633	0.0629	0.0593	0.0586	Ave		0.0605				4.3		30.0			

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

FORM VI
LCMS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1 Analy Batch No.: 162365

SDG No.:

Instrument ID: LC812 GC Column: C-18 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/22/2020 12:48 Calibration End Date: 12/22/2020 13:29 Calibration ID: 44876

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
13C2 PFUnA	0.7235 0.6928	0.6824	0.6717	0.6694	0.6738	Ave		0.6856				3.0		30.0			
d5-NEtFOSAA	0.0562 0.0615	0.0603	0.0604	0.0567	0.0560	Ave		0.0585				4.2		30.0			
13C2 PFDoA	0.7321 0.7422	0.7045	0.7438	0.7209	0.6991	Ave		0.7238				2.6		30.0			
13C2 PFTeDA	0.5271 0.5540	0.5419	0.5559	0.5063	0.5266	Ave		0.5353				3.5		30.0			
13C2 PFHxDA	0.5646 0.5903	0.5755	0.5757	0.5580	0.5667	Ave		0.5718				2.0		30.0			

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

FORM VI
LCMS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1 Analy Batch No.: 162365

SDG No.:

Instrument ID: LC812 GC Column: C-18 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/22/2020 12:48 Calibration End Date: 12/22/2020 13:29 Calibration ID: 44876

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-162365/8	PA201222ICAL008.d
Level 2	IC 200-162365/9	PA201222ICAL009.d
Level 3	IC 200-162365/10	PA201222ICAL010.d
Level 4	ICIS 200-162365/11	PA201222ICAL011.d
Level 5	IC 200-162365/12	PA201222ICAL012.d
Level 6	IC 200-162365/13	PA201222ICAL013.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Perfluorobutanoic acid (PFBA)		AveID	57629 8790651	118541	456581	881958	2187518	0.0500 10.0	0.100	0.500	1.00	2.50
Perfluoropentanoic acid (PFPeA)		AveID	43447 7036279	99455	366588	714864	1757757	0.0500 10.0	0.100	0.500	1.00	2.50
Perfluorobutanesulfonic acid (PFBS)		AveID	48410 8770776	116878	439919	865582	2100213	0.0442 8.84	0.0884	0.442	0.884	2.21
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)		AveID	7359 1254443	15740	61951	123314	303490	0.0467 9.34	0.0934	0.467	0.934	2.34
Perfluorohexanoic acid (PFHxA)		AveID	46854 7316861	95637	370199	765249	1839714	0.0500 10.0	0.100	0.500	1.00	2.50
Perfluoropentanesulfonic acid		AveID	43453 8114898	105420	405410	800668	1955608	0.0469 9.38	0.0938	0.469	0.938	2.35
HFPO-DA		AveID	9952 1690983	21331	84587	169678	401085	0.0500 10.0	0.100	0.500	1.00	2.50
Perfluorohexanesulfonic acid (PFHxS)		AveID	41668 6676661	94508	348983	671571	1650425	0.0455 9.10	0.0910	0.455	0.910	2.28
Perfluoroheptanoic acid (PFHpA)		AveID	39251 6968995	99874	364247	723792	1824848	0.0500 10.0	0.100	0.500	1.00	2.50

FORM VI
LCMS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1 Analy Batch No.: 162365

SDG No.:

Instrument ID: LC812 GC Column: C-18 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/22/2020 12:48 Calibration End Date: 12/22/2020 13:29 Calibration ID: 44876

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
DONA		AveI D	76688 13928638	183369	718739	1397912	3554808	0.0471 9.42	0.0942	0.471	0.942	2.36
Perfluoroheptanesulfonic Acid (PFHpS)		AveI D	31963 5572962	77228	299175	572696	1352437	0.0476 9.52	0.0952	0.476	0.952	2.38
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)		AveI D	4554 854196	10738	43065	91369	214702	0.0474 9.48	0.0948	0.474	0.948	2.37
Perfluorooctanoic acid (PFOA)		AveI D	40563 7252703	98345	367859	740338	1777820	0.0500 10.0	0.100	0.500	1.00	2.50
Perfluorooctanesulfonic acid (PFOS)		AveI D	27324 4659375	64913	243758	463174	1114751	0.0464 9.28	0.0928	0.464	0.928	2.32
Perfluorononanoic acid (PFNA)		AveI D	40080 6204125	87340	333548	649860	1571226	0.0500 10.0	0.100	0.500	1.00	2.50
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid		AveI D	29669 5263362	66060	275177	545155	1341633	0.0466 9.32	0.0932	0.466	0.932	2.33
Perfluorononanesulfonic acid		AveI D	21260 3577811	49994	195317	341392	862047	0.0480 9.60	0.0960	0.480	0.960	2.40
Perfluorodecanoic acid (PFDA)		AveI D	31691 5664507	77566	305912	604674	1443205	0.0500 10.0	0.100	0.500	1.00	2.50
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)		AveI D	2861 551191	7849	26606	51395	138394	0.0479 9.58	0.0958	0.479	0.958	2.40
Perfluorooctanesulfonamide (PFOSA)		AveI D	41621 8663983	113239	423265	853072	2150057	0.0500 10.0	0.100	0.500	1.00	2.50
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)		AveI D	1773 390016	5218	16744	38043	94320	0.0500 10.0	0.100	0.500	1.00	2.50

FORM VI
LCMS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1 Analy Batch No.: 162365

SDG No.:

Instrument ID: LC812 GC Column: C-18 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/22/2020 12:48 Calibration End Date: 12/22/2020 13:29 Calibration ID: 44876

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Perfluorodecanesulfonic acid (PFDS)		AveID	16293 2896712	38256	146348	302428	730691	0.0482 9.64	0.0964	0.482	0.964	2.41
Perfluoroundecanoic acid (PFUnA)		AveID	24431 4701521	64357	244409	493796	1201956	0.0500 10.0	0.100	0.500	1.00	2.50
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)		AveID	2130 355914	4802	18172	35802	96074	0.0500 10.0	0.100	0.500	1.00	2.50
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid		AveID	29806 5616158	70930	294213	584047	1357763	0.0471 9.42	0.0942	0.471	0.942	2.36
Perfluorododecanoic acid (PFDoA)		AveID	30573 5514700	72835	264312	546074	1310849	0.0500 10.0	0.100	0.500	1.00	2.50
10:2 FTS		AveID	1284 297521	3634	15677	28609	72297	0.0482 9.64	0.0964	0.482	0.964	2.41
Perfluorododecanesulfonic acid (PFDoS)		AveID	6843 1019532	14504	54696	106502	244860	0.0484 9.68	0.0968	0.484	0.968	2.42
Perfluorotridecanoic acid (PFTriA)		AveID	24591 4302065	56462	226665	448445	1098559	0.0500 10.0	0.100	0.500	1.00	2.50
Perfluorotetradecanoic acid (PFTeA)		AveID	3795 657979	8395	34379	71818	167971	0.0500 10.0	0.100	0.500	1.00	2.50
Perfluoro-n-hexadecanoic acid (PFHxDA)		L1ID	23322 3749492	55625	195955	370408	948058	0.0500 10.0	0.100	0.500	1.00	2.50
Perfluoro-n-octadecanoic acid (PFODA)		AveID	18931 3647983	45299	173296	355381	885277	0.0500 10.0	0.100	0.500	1.00	2.50
13C4 PFBA	13PFOA	Ave	1181985 1192876	1386458	1203352	1185176	1183081	1.25 1.25	1.25	1.25	1.25	1.25

FORM VI
LCMS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1 Analy Batch No.: 162365

SDG No.:

Instrument ID: LC812 GC Column: C-18 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/22/2020 12:48 Calibration End Date: 12/22/2020 13:29 Calibration ID: 44876

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
13C5 PFPeA	13PF OA	Ave	878850 847223	1030251	856461	843580	850273	1.25 1.25	1.25	1.25	1.25	1.25
13C3 PFBS	13PF OA	Ave	1024342 1066974	1277928	1038343	1062494	1027240	1.16 1.16	1.16	1.16	1.16	1.16
M2-4:2 FTS	13PF OA	Ave	87206 88021	113101	85984	86339	85003	1.17 1.17	1.17	1.17	1.17	1.17
13C2 PFHxA	13PF OA	Ave	908776 866171	1097468	903699	895585	894513	1.25 1.25	1.25	1.25	1.25	1.25
13C3 HFPO-DA	13PF OA	Ave	155222 139707	185233	172775	167297	158496	1.25 1.25	1.25	1.25	1.25	1.25
18O2 PFHxS	13PF OA	Ave	822695 801639	956077	772740	769056	794776	1.18 1.18	1.18	1.18	1.18	1.18
13C4 PFHpA	13PF OA	Ave	853376 866766	1019298	892830	849594	838035	1.25 1.25	1.25	1.25	1.25	1.25
M2-6:2 FTS	13PF OA	Ave	100493 96331	122975	102545	96952	97655	1.19 1.19	1.19	1.19	1.19	1.19
13C4 PFOA	13PF OA	Ave	889146 839703	1101215	857479	869201	862938	1.25 1.25	1.25	1.25	1.25	1.25
13C4 PFOS	13PF OA	Ave	552776 552420	682230	543196	554310	529467	1.20 1.20	1.20	1.20	1.20	1.20
13C5 PFNA	13PF OA	Ave	787744 738168	964938	772347	760016	756323	1.25 1.25	1.25	1.25	1.25	1.25
13C2 PFDA	13PF OA	Ave	741582 699346	926205	721858	722168	760056	1.25 1.25	1.25	1.25	1.25	1.25

FORM VI
LCMS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1 Analy Batch No.: 162365

SDG No.:

Instrument ID: LC812 GC Column: C-18 ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/22/2020 12:48 Calibration End Date: 12/22/2020 13:29 Calibration ID: 44876

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
M2-8:2 FTS	13PF OA	Ave	107657 105624	125650	100274	100569	101608	1.20 1.20	1.20	1.20	1.20	1.20
13C8 FOSA	13PF OA	Ave	1076815 1111429	1350960	1063884	1069567	1040920	1.25 1.25	1.25	1.25	1.25	1.25
d3-NMeFOSAA	13PF OA	Ave	49895 52838	69887	54321	52781	52266	1.25 1.25	1.25	1.25	1.25	1.25
13C2 PFUnA	13PF OA	Ave	632709 589898	753171	580063	595523	601281	1.25 1.25	1.25	1.25	1.25	1.25
d5-NEtFOSAA	13PF OA	Ave	49123 52405	66544	52130	50481	49976	1.25 1.25	1.25	1.25	1.25	1.25
13C2 PFDoA	13PF OA	Ave	640188 631964	777582	642314	641373	623891	1.25 1.25	1.25	1.25	1.25	1.25
13C2 PFTeDA	13PF OA	Ave	460978 471704	598063	480039	450404	469963	1.25 1.25	1.25	1.25	1.25	1.25
13C2 PFHxDA	13PF OA	Ave	493765 502634	635237	497203	496455	505699	1.25 1.25	1.25	1.25	1.25	1.25

Curve Type Legend
Ave = Average ISTD
AveID = Average isotope dilution
L1ID = Linear 1/conc IsoDil

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL008.d
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 22-Dec-2020 12:48:13 ALS Bottle#: 2 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 200-0044184-008 Plate: 1 Rack: 1
Operator ID: lc812tech Instrument ID: LC812
Sublist: chrom-PFC_LC812*sub3

Method: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 22-Dec-2020 14:39:20 Calib Date: 22-Dec-2020 13:29:37
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1625

First Level Reviewer: deannd Date: 22-Dec-2020 13:44:52
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.082	2.091	-0.009	0.596	1181985	1.26		101	10169	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.091	2.091	0.0	1.004	57629	0.0608		122	6.6	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.401	2.414	-0.013	0.687	878850	1.29		103	2743	
4 Perfluoropentanoic acid										
262.90 > 219.00	2.401	2.414	-0.013	1.000	43447	0.0558		112	1.8	
D 47 13C3 PFBS										
301.90 > 80.00	2.427	2.427	0.0	0.695	1024342	1.15		98.6	180745	
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.427	2.427	0.0	1.000	48410	0.0486	Target=2.21	110	133	
298.90 > 99.00	2.427	2.427	0.0	1.000	22181		2.18(1.10-3.31)	110	29.3	
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.723	2.735	-0.012	1.000	7359	0.0537		115	154	
D 60 M2-4:2 FTS										
329.00 > 81.00	2.723	2.735	-0.012	0.779	87206	1.17		100	92.0	
D 7 13C2 PFHxA										
315.00 > 270.00	2.759	2.771	-0.012	0.790	908776	1.28		102	2502	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.759	2.771	-0.012	1.000	46854	0.0590	Target=12.17	118	12.0	
313.00 > 119.00	2.759	2.771	-0.012	1.000	3848		12.18(6.09-18.26)	118	6.8	M
70 Perfluoropentanesulfonic acid										
349.00 > 80.00	2.771	2.771	0.0	0.888	43453	0.0476	Target=3.32	101	153	
349.00 > 99.00	2.759	2.771	-0.012	0.884	12485		3.48(1.66-4.98)	101	31.9	
67 Perfluoro(2-propoxypropanoic) ac										
329.10 > 285.00	2.869	2.881	-0.012	1.000	9952	0.0578		116	1.2	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 64 13C3 HFPO-DA										
332.10 > 287.00	2.869	2.881	-0.012	0.821	155222	1.24		99.1	808	
D 11 18O2 PFHxS										
403.00 > 84.00	3.123	3.133	-0.011	0.894	822695	1.24		105	1287	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.133	3.133	0.0	1.003	41668	0.0508	Target=4.08	112	50.8	M
399.00 > 99.00	3.123	3.133	-0.011	1.000	11112		3.75(2.04-6.11)	112	9.6	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.133	3.133	0.0	0.897	853376	1.25		100	3008	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.133	3.133	0.0	1.000	39251	0.0526	Target=3.70	105	10.4	
363.00 > 169.00	3.133	3.133	0.0	1.000	11020		3.56(1.85-5.56)	105	35.2	
77 DONA										
377.00 > 251.00	3.165	3.176	-0.011	0.832	76688	0.0495	Target=2.47	105	110	
377.00 > 85.00	3.165	3.176	-0.011	0.832	30043		2.55(1.23-3.70)	105	33.3	
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.475	3.484	-0.009	0.913	31963	0.0512	Target=5.85	108	249	
449.00 > 99.00	3.475	3.484	-0.009	0.913	5848		5.47(2.93-8.78)	108	36.6	M
D 12 M2-6:2 FTS										M
429.00 > 81.00	3.475	3.484	-0.009	0.995	100493	1.21		102	352	M
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.484	3.484	0.0	1.003	4554	0.0484		102	112	M
D 14 13C4 PFOA										
417.00 > 372.00	3.493	3.493	0.0	1.000	889146	1.28		103	2451	
* 62 13C2 PFOA										
415.00 > 370.00	3.493	3.493	0.0		874500	1.25			3167	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.493	3.493	0.0	1.000	40563	0.0526	Target=2.58	105	9.1	
413.00 > 169.00	3.493	3.493	0.0	1.000	16414		2.47(1.29-3.87)	105	40.6	M
D 18 13C4 PFOS										
503.00 > 80.00	3.806	3.806	0.0	1.089	552776	1.21		101	1557	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.806	3.806	0.0	1.000	27324	0.0514	Target=5.56	111	34.0	M
499.00 > 99.00	3.806	3.806	0.0	1.000	5749		4.75(2.78-8.34)	111	21.4	M
D 19 13C5 PFNA										
468.00 > 423.00	3.826	3.826	0.0	1.095	787744	1.29		103	2069	
20 Perfluorononanoic acid										M
463.00 > 419.00	3.826	3.826	0.0	1.000	40080	0.0575	Target=6.87	115	6.3	M
463.00 > 169.00	3.816	3.826	-0.010	0.997	6287		6.38(3.43-10.30)	115	60.0	M
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.967	3.967	0.0	1.042	29669	0.0500		107	209	
68 Perfluorononanesulfonic acid										M
549.00 > 80.00	4.095	4.095	0.0	1.076	21260	0.0536	Target=2.78	112	265	M
549.00 > 99.00	4.095	4.095	0.0	1.076	7735		2.75(1.39-4.17)	112	23.1	M
D 23 13C2 PFDA										
515.00 > 470.00	4.118	4.129	-0.011	1.179	741582	1.27		102	2696	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.118	4.129	-0.011	1.000	31691	0.0518	Target=9.03	104	24.7	M
513.00 > 169.00	4.118	4.129	-0.011	1.000	3824		8.29(4.51-13.54)	104	31.1	M
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.129	4.140	-0.011	1.000	2861	0.0468		97.7	73.0	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.129	4.140	-0.011	1.182	107657	1.26		105	657	
D 21 13C8 FOSA										
506.00 > 78.00	4.207	4.207	0.0	1.204	1076815	1.25		100	3541	
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.207	4.207	0.0	1.000	41621	0.0482		96.4	229	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.260	4.272	-0.012	1.219	49895	1.18		94.2	714	
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.272	4.272	0.0	1.003	1773	0.0501		100	18.6	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.350	4.362	-0.012	1.143	16293	0.0515	Target=2.76	107	164	
599.00 > 99.00	4.350	4.362	-0.012	1.143	5699		2.86(1.38-4.14)	107	32.2	
D 30 13C2 PFUnA										
565.00 > 520.00	4.384	4.384	0.0	1.255	632709	1.32		106	1998	
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.384	4.395	-0.011	1.000	24431	0.0473	Target=8.02	94.7	10.1	
563.00 > 169.00	4.384	4.395	-0.011	1.000	3612		6.76(4.01-12.03)	94.7	53.0	
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.395	4.395	0.0	1.258	49123	1.20		96.0	347	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.395	4.406	-0.011	1.000	2130	0.0586		117	45.3	M
66 11-Chloroeicosafluoro-3-oxaundec										
631.00 > 451.00	4.485	4.485	0.0	1.179	29806	0.0484		103	568	
D 36 13C2 PFDoA										
615.00 > 570.00	4.616	4.626	-0.010	1.322	640188	1.26		101	3580	
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.616	4.626	-0.010	1.000	30573	0.0543	Target=6.85	109	9.7	
613.00 > 169.00	4.616	4.626	-0.010	1.000	3833		7.98(3.42-10.27)	109	57.9	M
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.637	4.637	0.0	1.123	1284	0.0408		84.6	40.0	M
75 Perfluorododecanesulfonic acid (										M
699.00 > 80.00	4.797	4.797	0.0	1.261	6843	0.0588	Target=0.53	121	16.8	M
699.00 > 99.00	4.797	4.797	0.0	1.261	10922		0.63(0.26-0.79)	121	65.2	
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.827	4.839	-0.012	1.046	24591	0.0538	Target=4.48	108	10.0	
663.00 > 169.00	4.827	4.839	-0.012	1.046	5908		4.16(2.24-6.72)	108	88.9	
D 43 13C2 PFTeDA										
715.00 > 670.00	5.018	5.027	-0.009	1.436	460978	1.23		98.5	2875	
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.027	5.027	0.0	1.002	3795	0.0555	Target=0.99	111	120	M
713.00 > 219.00	5.018	5.027	-0.009	1.000	4608		0.82(0.50-1.49)	111	166	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 44 13C2 PFHxDA										
815.00 > 770.00	5.374	5.374	0.0	1.539	493765	1.23		98.7	1409	
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.374	5.374	0.0	1.000	23322	0.0481	Target=4.02	96.3	6.3	
813.00 > 169.00	5.374	5.374	0.0	1.000	5860		3.98(2.01-6.02)	96.3	134	M
46 Perfluorooctadecanoic acid										
913.00 > 869.00	5.722	5.722	0.0	1.065	18931	0.0533	Target=3.88	107	16.4	
913.00 > 169.00	5.713	5.722	-0.009	1.063	4824		3.92(1.94-5.82)	107	121	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCIC1_00007 Amount Added: 100.00 Units: uL

Report Date: 22-Dec-2020 14:39:20 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL008.d

Injection Date: 22-Dec-2020 12:48:13 Instrument ID: LC812

Lims ID: IC

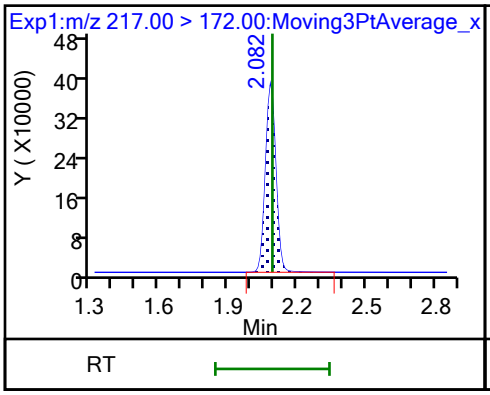
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Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 8

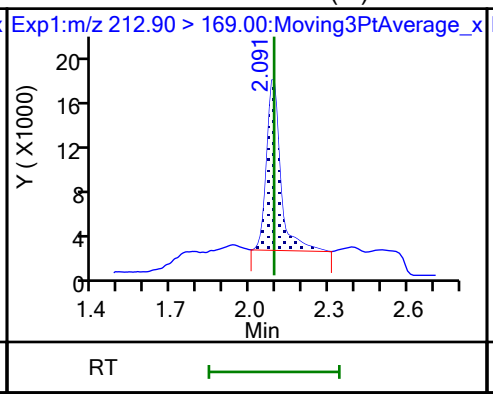
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Method: PFC_LC812 Limit Group: LC_PFC_ICAL

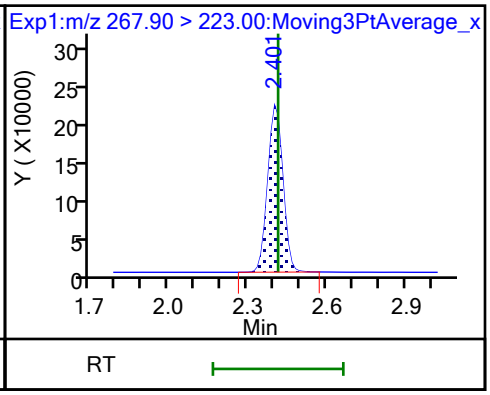
D 1 13C4 PFBA



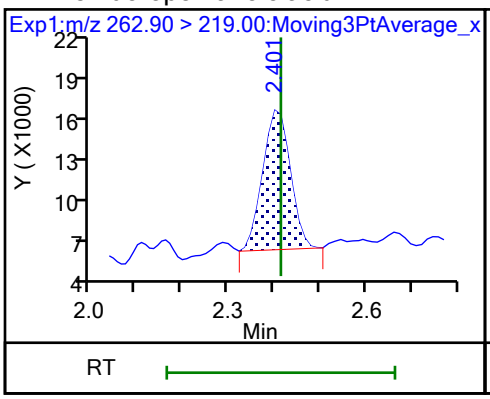
2 Perfluorobutanoic acid (M)



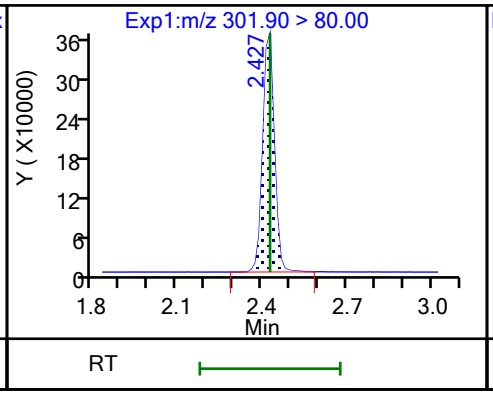
D 3 13C5 PFPeA



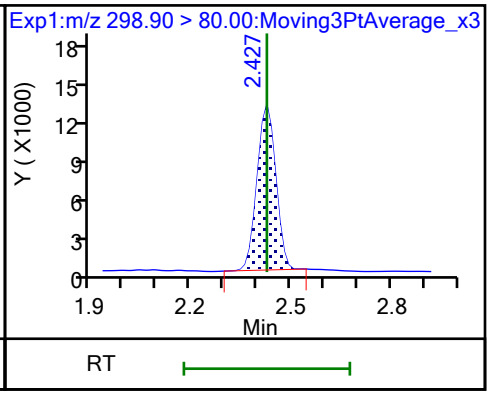
4 Perfluoropentanoic acid



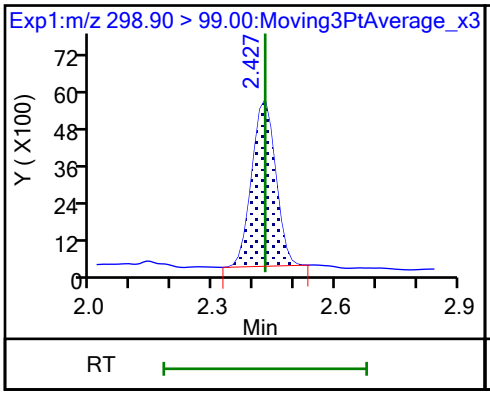
D 47 13C3 PFBS



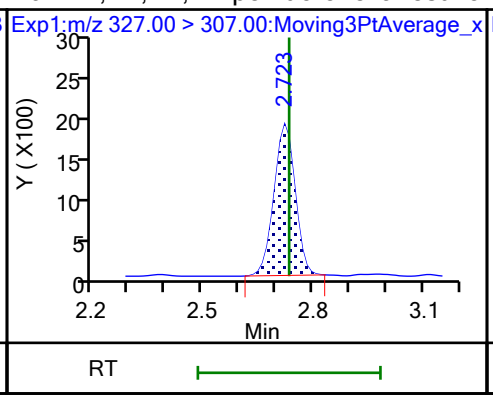
5 Perfluorobutanesulfonic acid



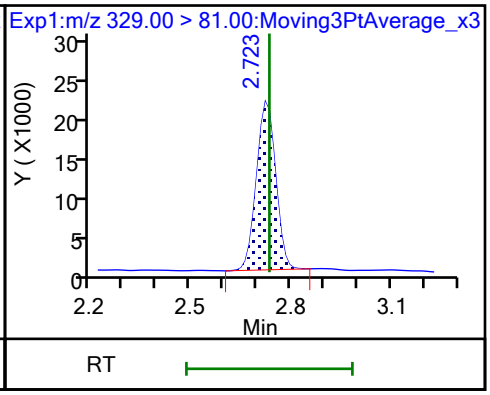
5 Perfluorobutanesulfonic acid



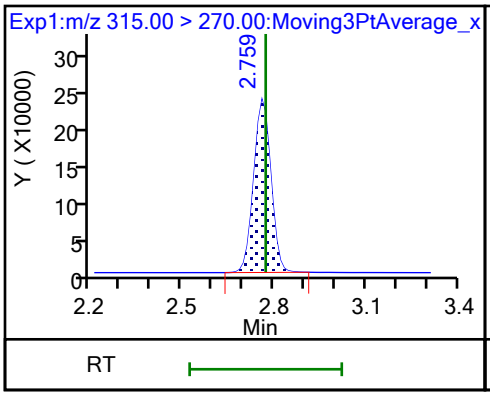
61 1H,1H,2H,2H-perfluorohexanesulfo



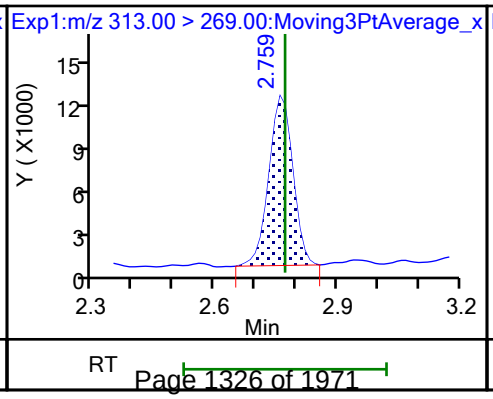
D 60 M2-4:2 FTS



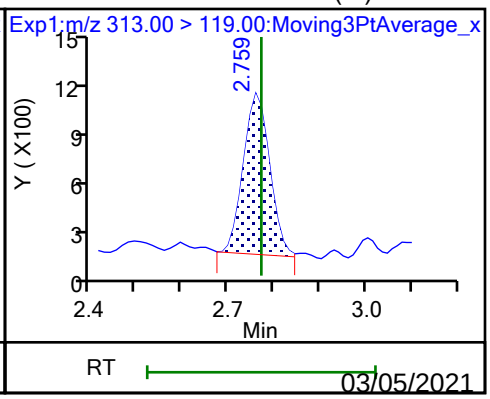
D 7 13C2 PFHxA



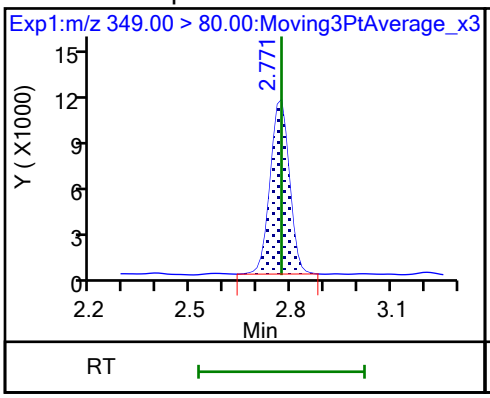
6 Perfluorohexanoic acid



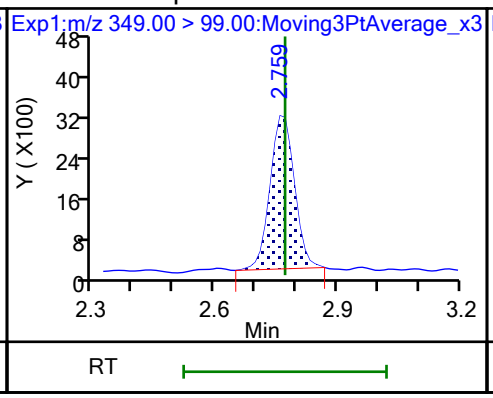
6 Perfluorohexanoic acid (M)



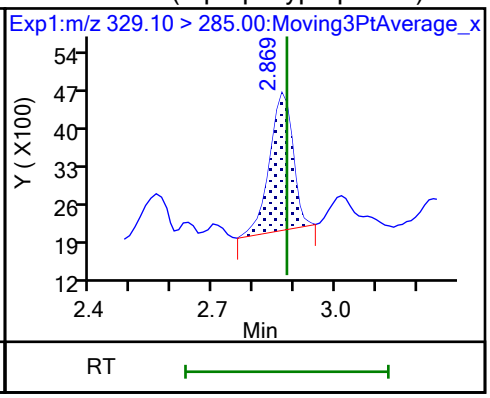
70 Perfluoropentanesulfonic acid



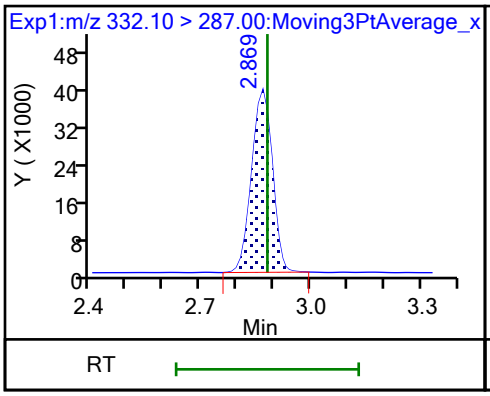
70 Perfluoropentanesulfonic acid



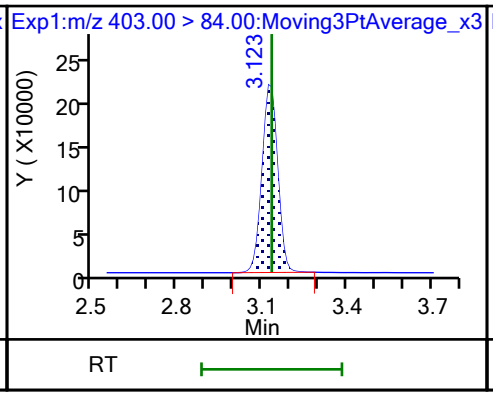
67 Perfluoro(2-propoxypropanoic) ac



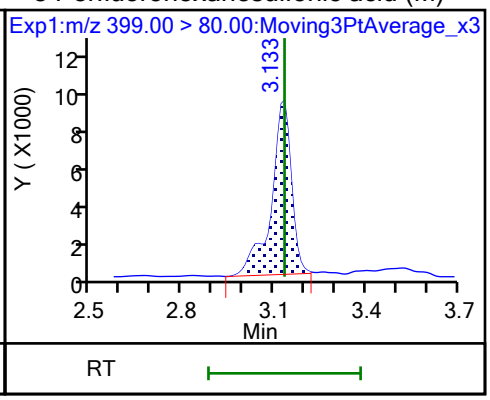
D 64 13C3 HFPO-DA



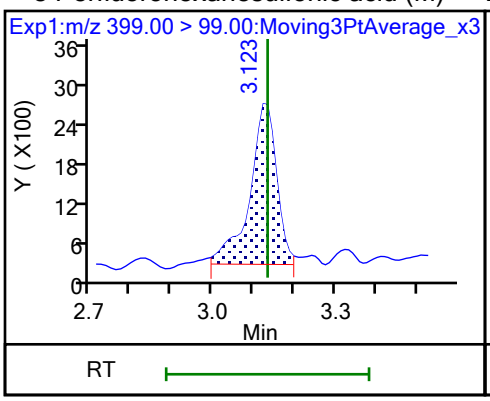
D 11 18O2 PFHxS



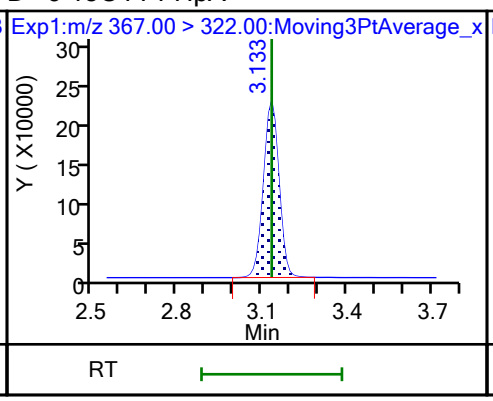
8 Perfluorohexanesulfonic acid (M)



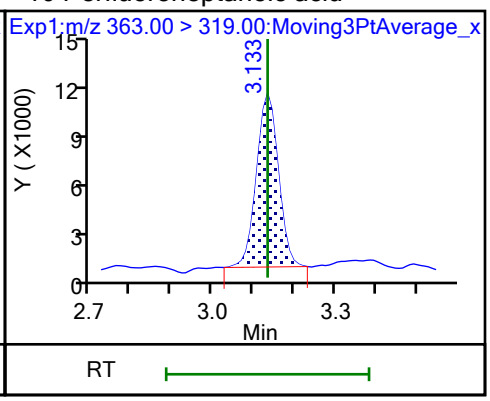
8 Perfluorohexanesulfonic acid (M)



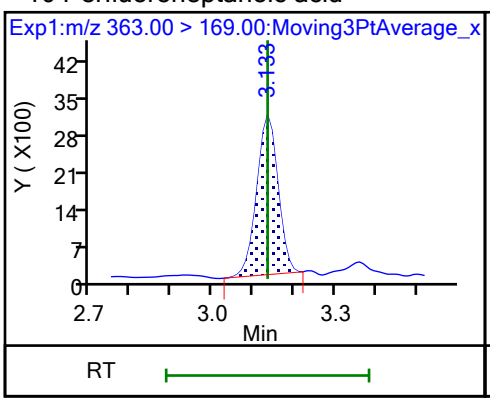
D 9 13C4 PFHpA



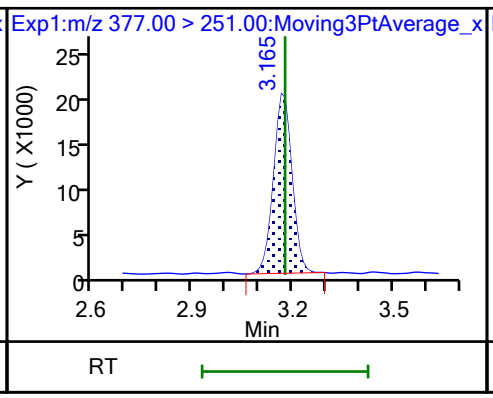
10 Perfluoroheptanoic acid



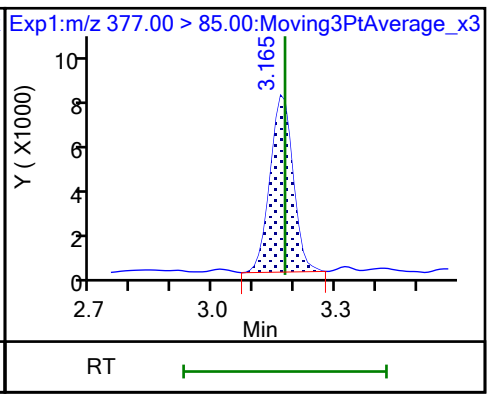
10 Perfluoroheptanoic acid



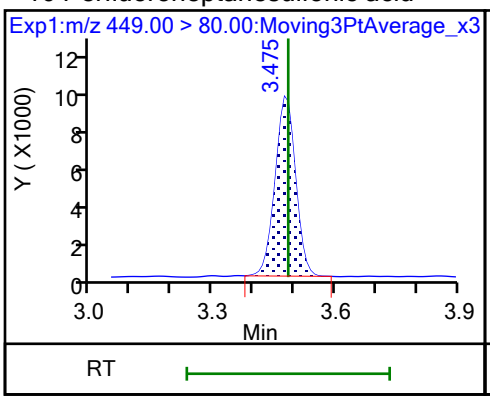
77 DONA



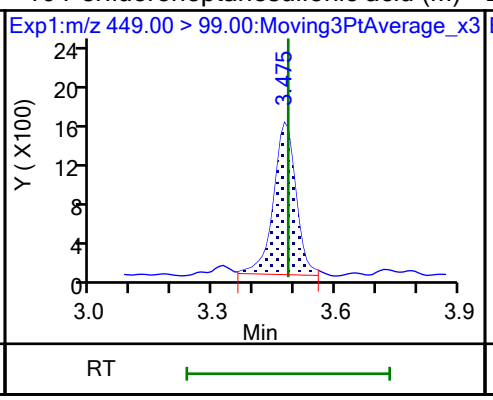
77 DONA



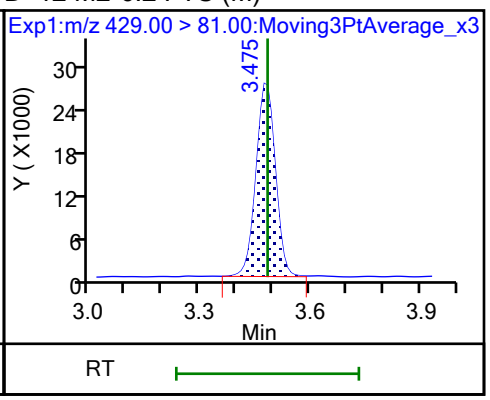
16 Perfluoroheptanesulfonic acid



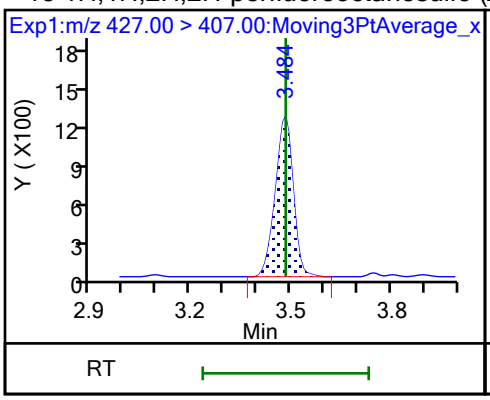
16 Perfluoroheptanesulfonic acid (M)



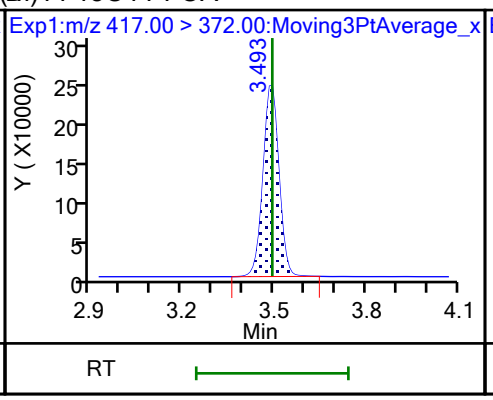
D 12 M2-6:2 FTS (M)



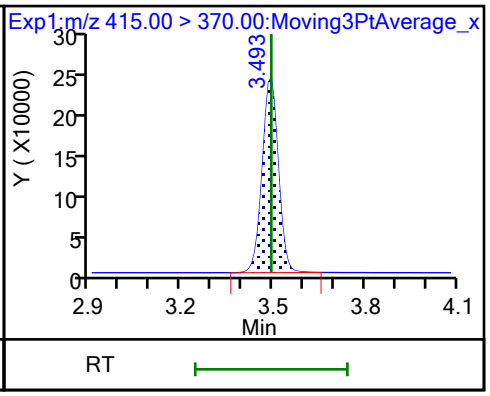
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



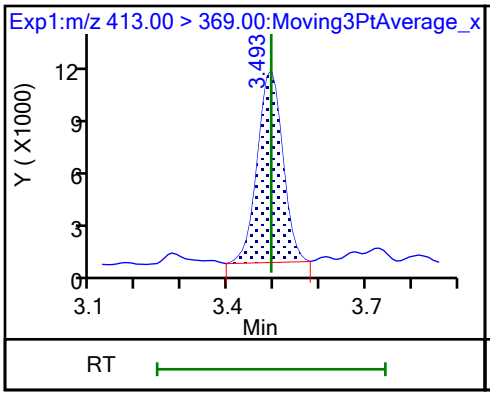
14 13C4 PFOA



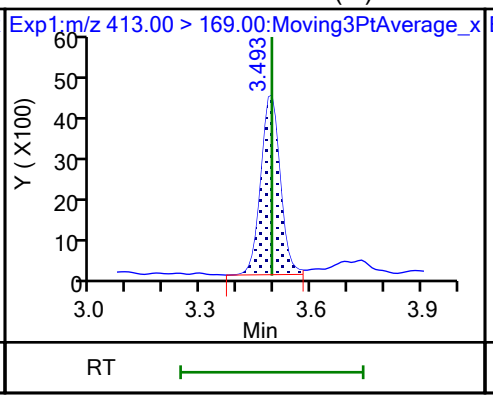
* 62 13C2 PFOA



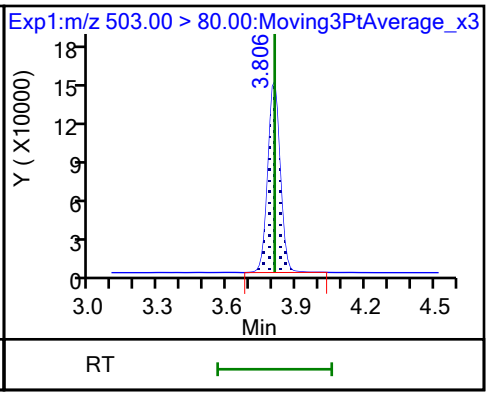
15 Perfluorooctanoic acid



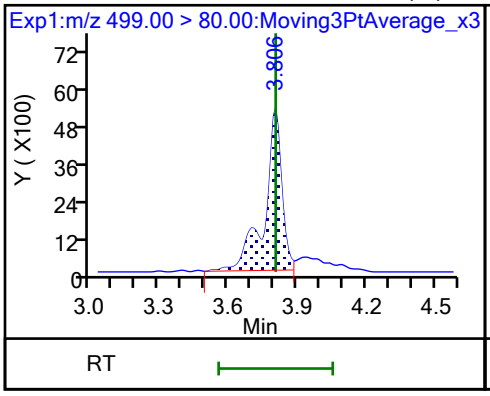
15 Perfluorooctanoic acid (M)



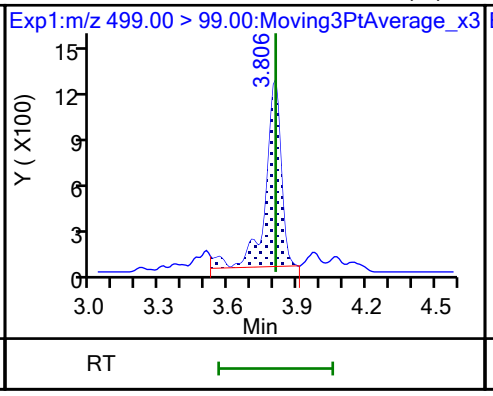
D 18 13C4 PFOS



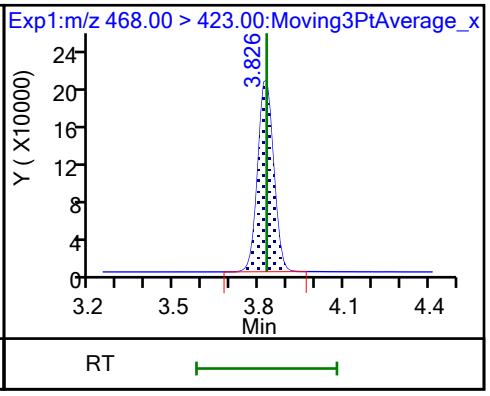
17 Perfluorooctanesulfonic acid (M)



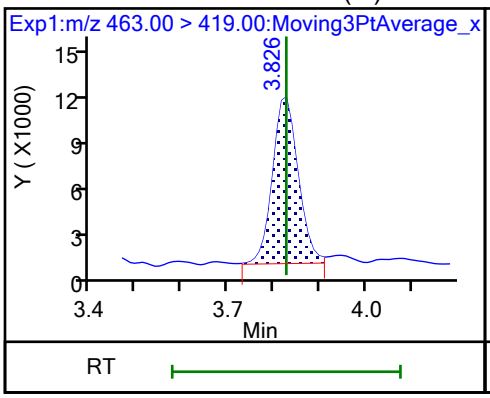
17 Perfluorooctanesulfonic acid (M)



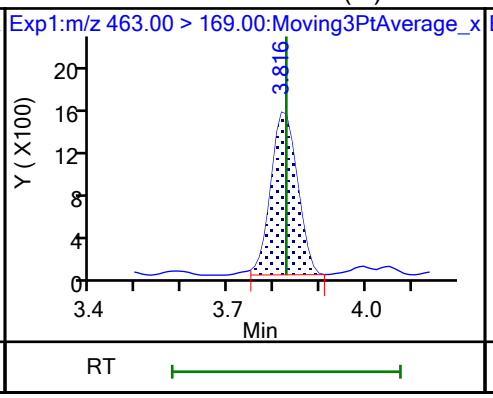
D 19 13C5 PFNA



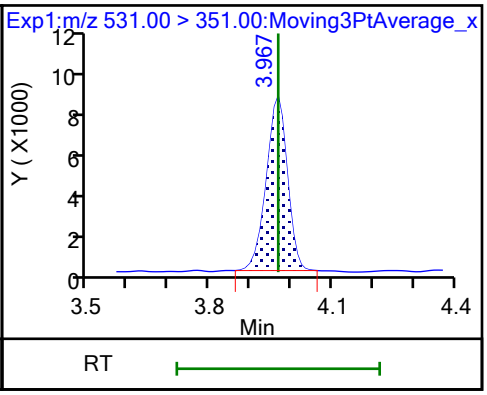
20 Perfluorononanoic acid (M)



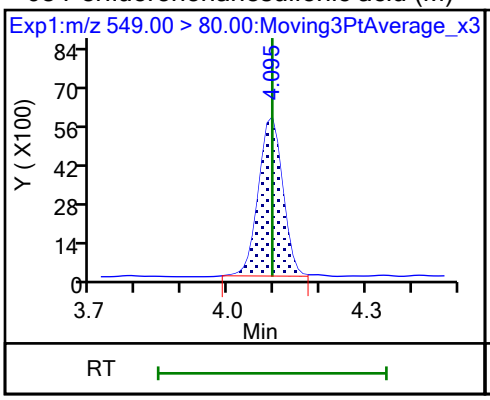
20 Perfluorononanoic acid (M)



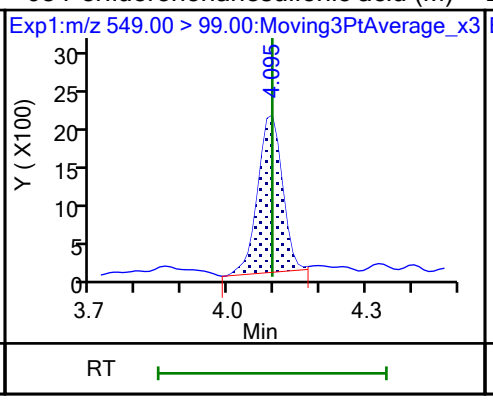
69 9-Chlorohexadecafluoro-3-oxanona



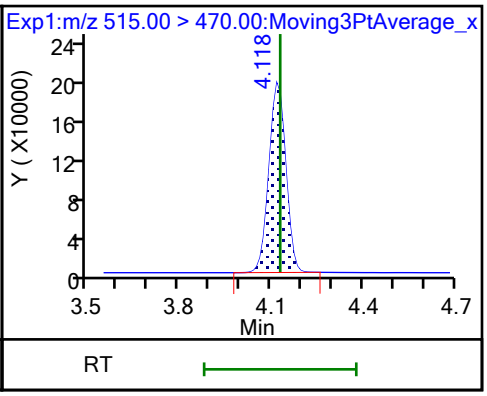
68 Perfluorononanesulfonic acid (M)



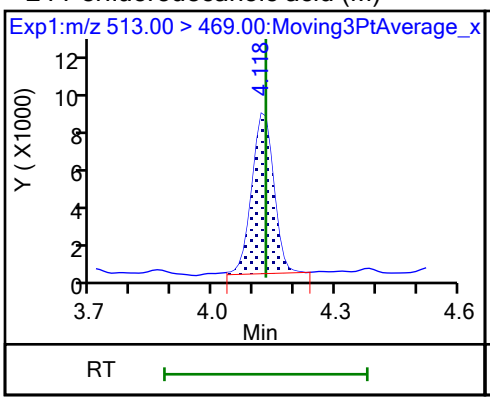
68 Perfluorononanesulfonic acid (M)



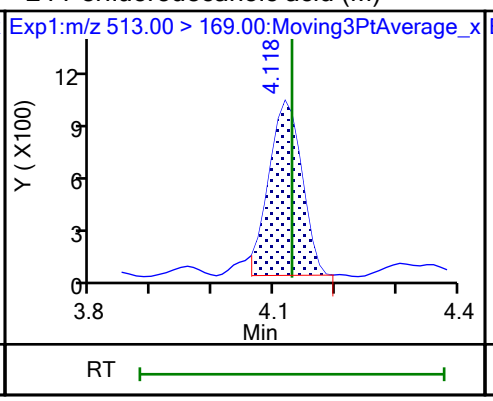
D 23 13C2 PFDA



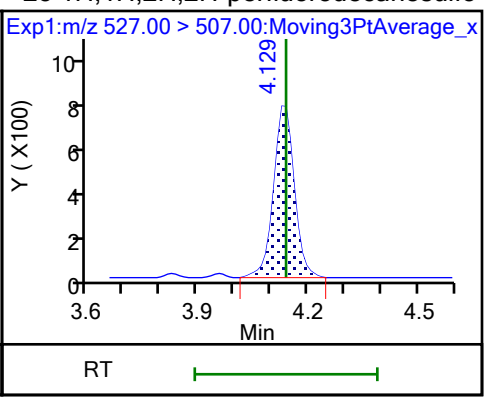
24 Perfluorodecanoic acid (M)



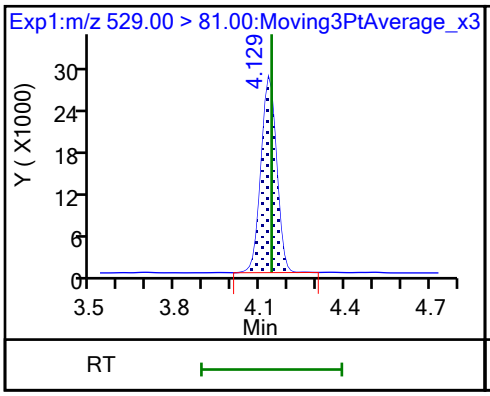
24 Perfluorodecanoic acid (M)



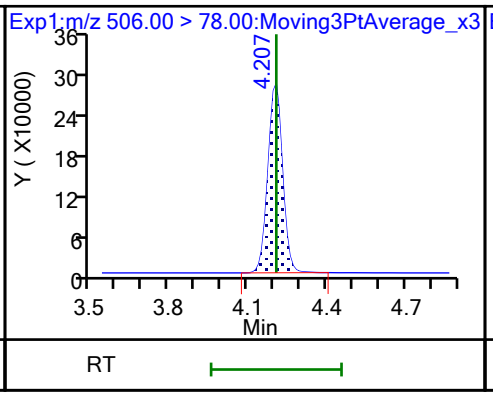
25 1H,1H,2H,2H-perfluorodecanesulfo



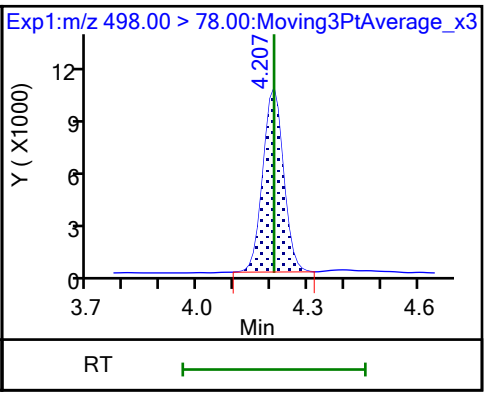
D 26 M2-8:2 FTS



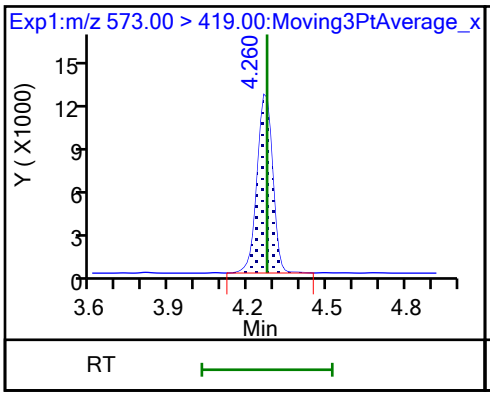
D 21 13C8 FOSA



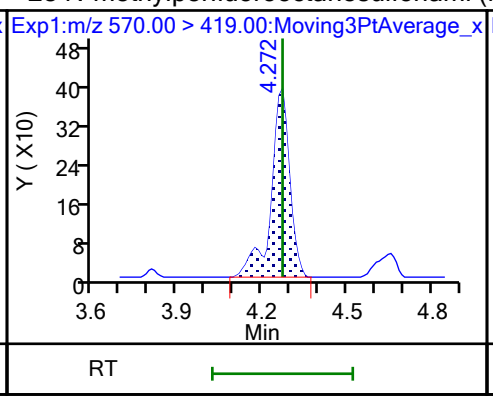
22 Perfluorooctanesulfonamide



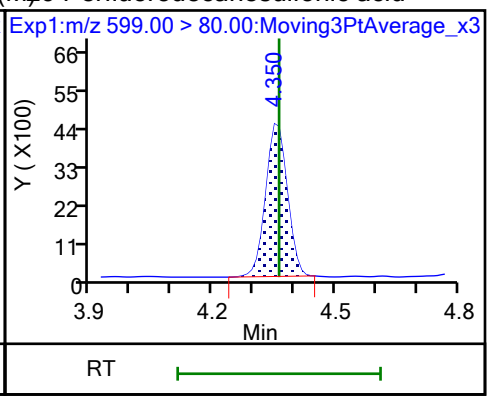
D 27 d3-NMeFOSAA



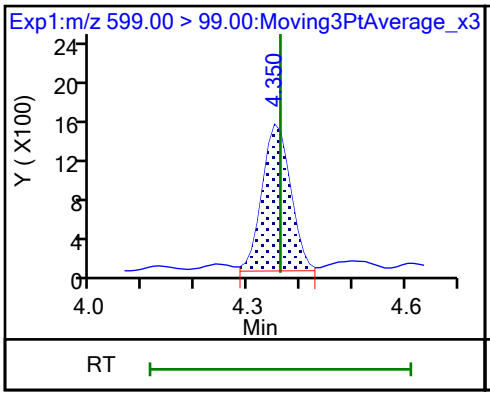
28 N-methylperfluorooctanesulfonami (M)



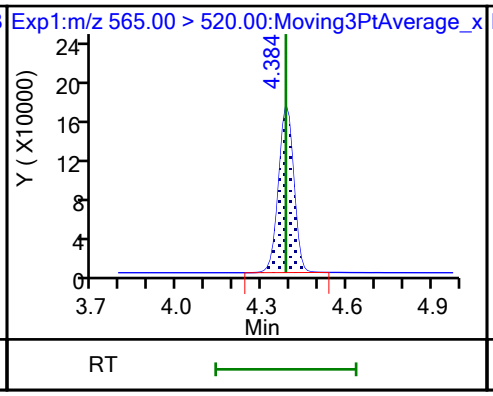
29 Perfluorodecanesulfonic acid



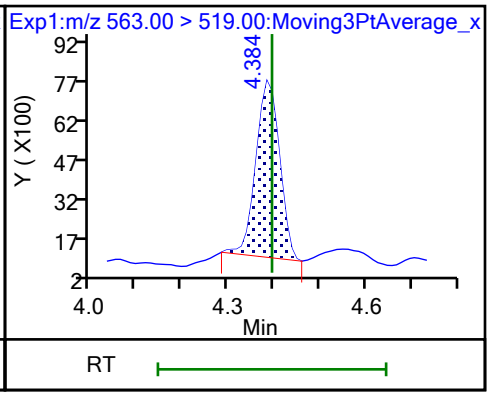
29 Perfluorodecanesulfonic acid



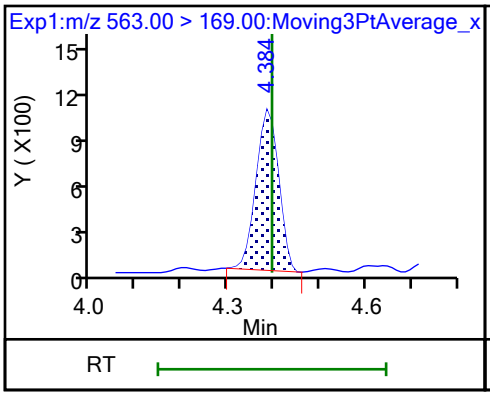
D 30 13C2 PFUnA



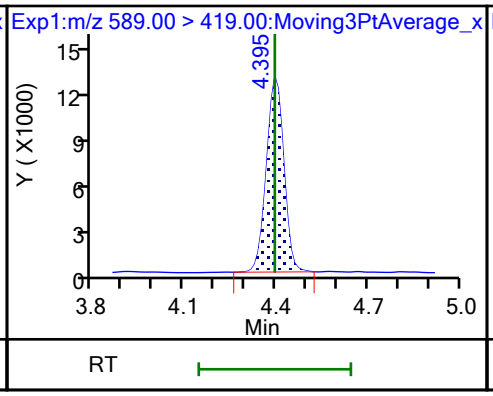
31 Perfluoroundecanoic acid



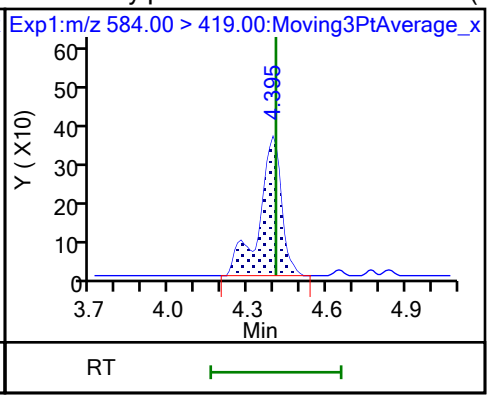
31 Perfluoroundecanoic acid



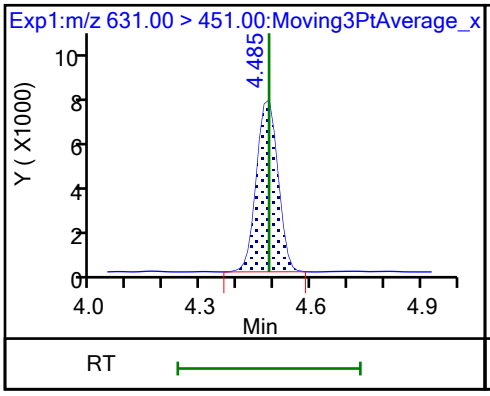
D 32 d5-NEtFOSAA



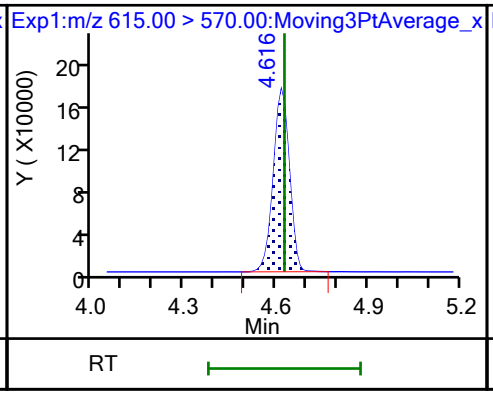
33 N-ethylperfluorooctanesulfonamid (M)



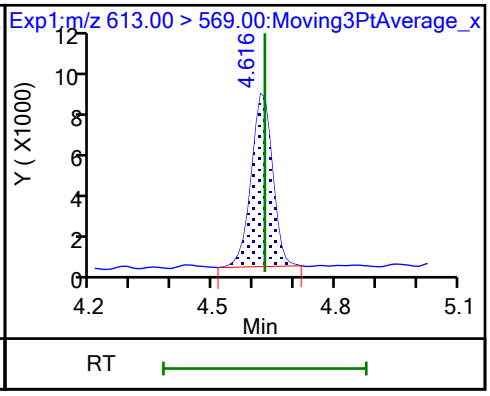
66 11-Chloroeicosafluoro-3-oxaundec



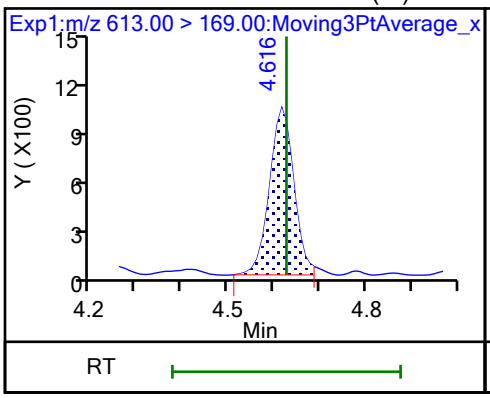
D 36 13C2 PFDoA



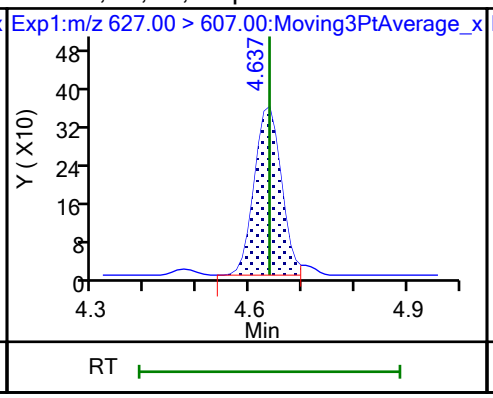
37 Perfluorododecanoic acid



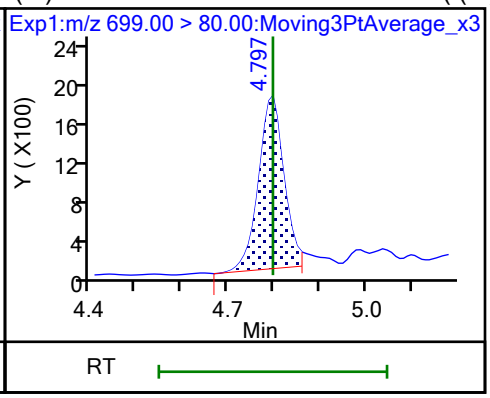
37 Perfluorododecanoic acid (M)



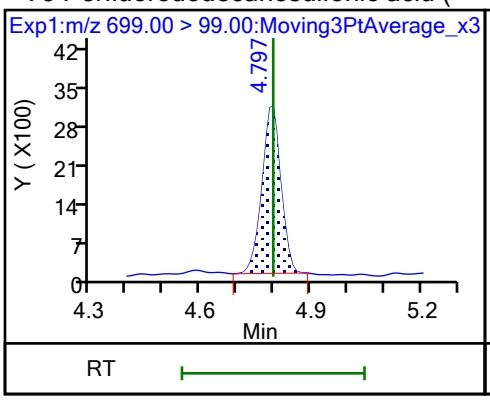
74 1H,1H,2H,2H-perfluorododecanesul (M)



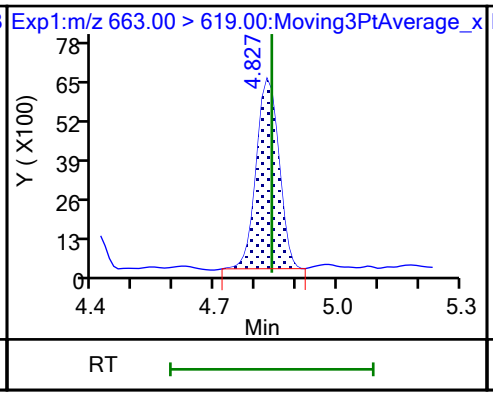
75 Perfluorododecanesulfonic acid ((M)



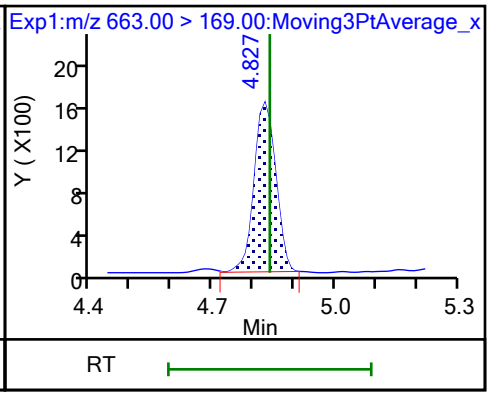
75 Perfluorododecanesulfonic acid (



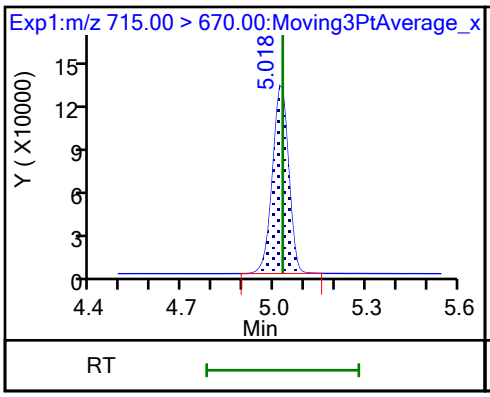
41 Perfluorotridecanoic acid



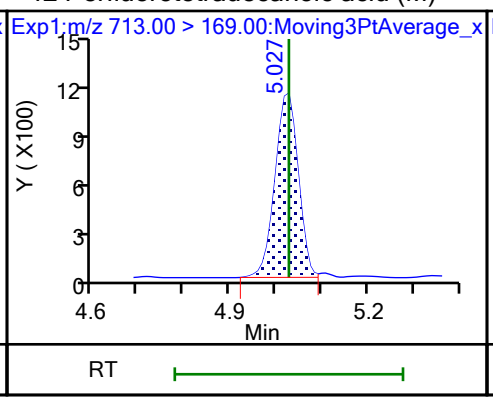
41 Perfluorotridecanoic acid



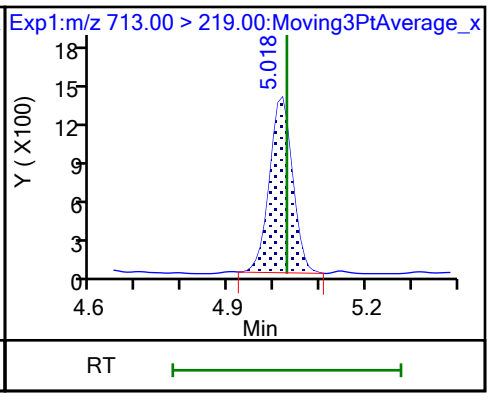
D 43 13C2 PFTeDA



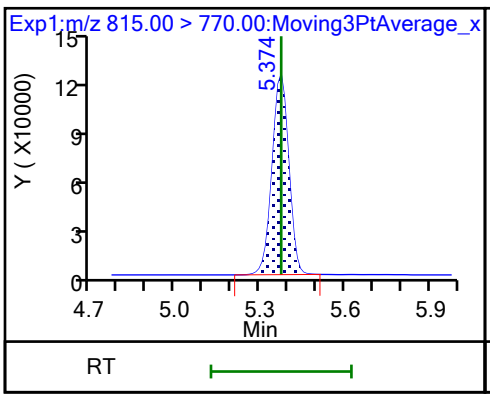
42 Perfluorotetradecanoic acid (M)



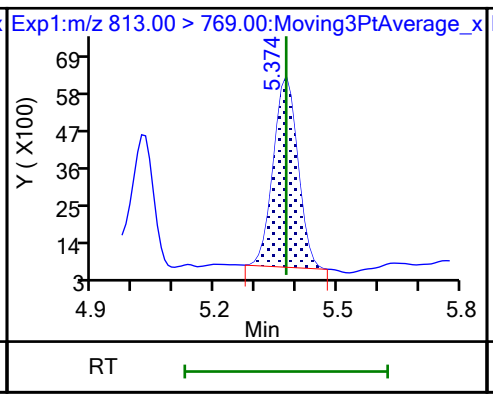
42 Perfluorotetradecanoic acid



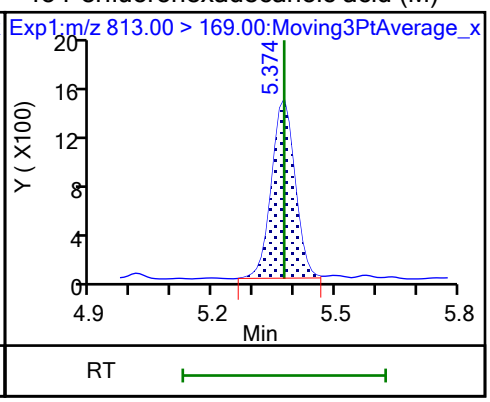
D 44 13C2 PFHxDA



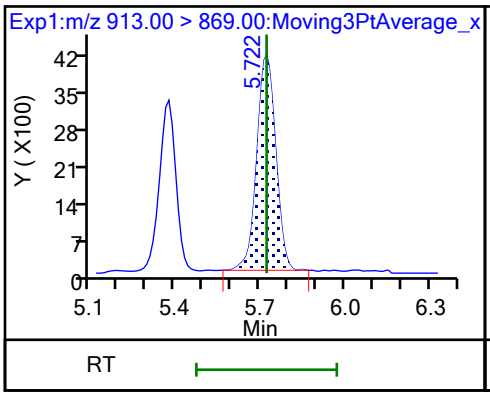
45 Perfluorohexadecanoic acid



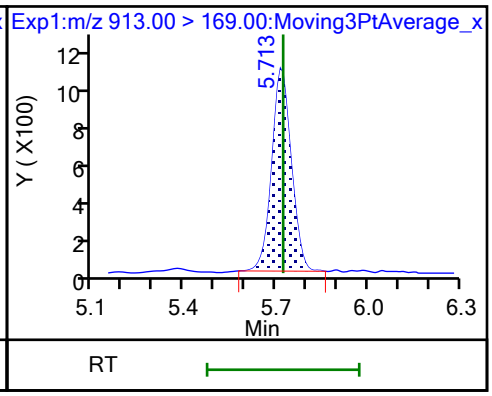
45 Perfluorohexadecanoic acid (M)



46 Perfluorooctadecanoic acid



46 Perfluorooctadecanoic acid



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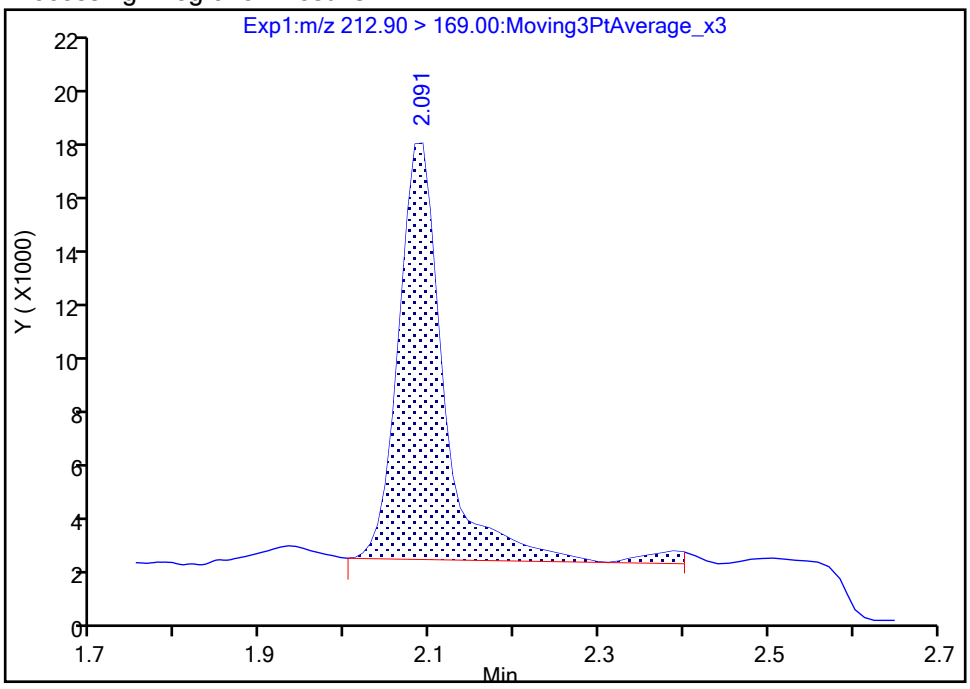
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Injection Date:	22-Dec-2020 12:48:13	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

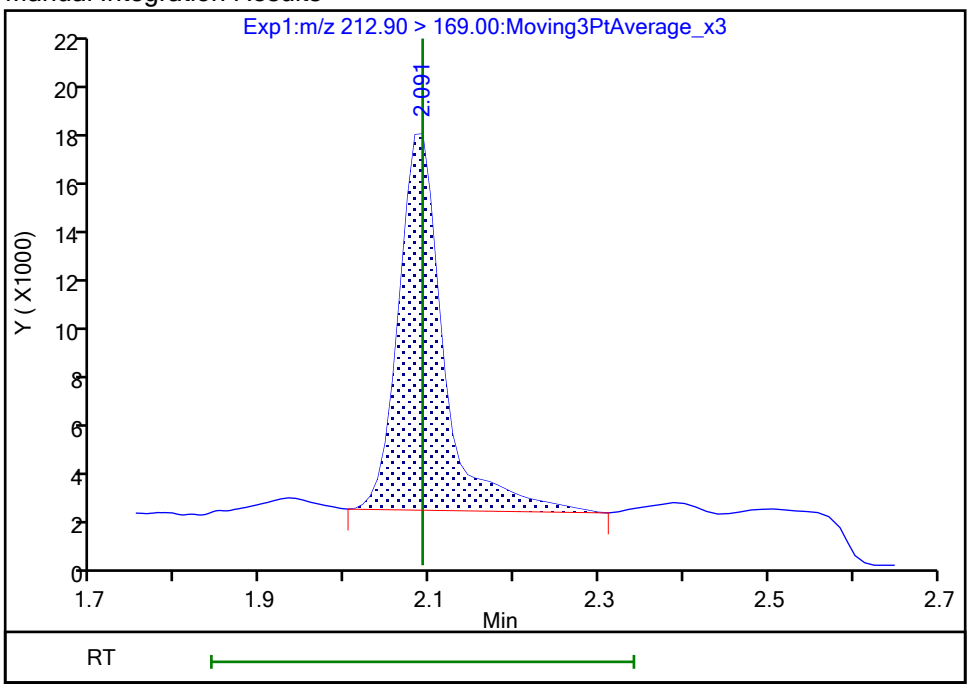
Processing Integration Results

RT: 2.09
Area: 59095
Amount: 0.050540
Amount Units: ng/ml



Manual Integration Results

RT: 2.09
Area: 57629
Amount: 0.060823
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 14:33:32
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

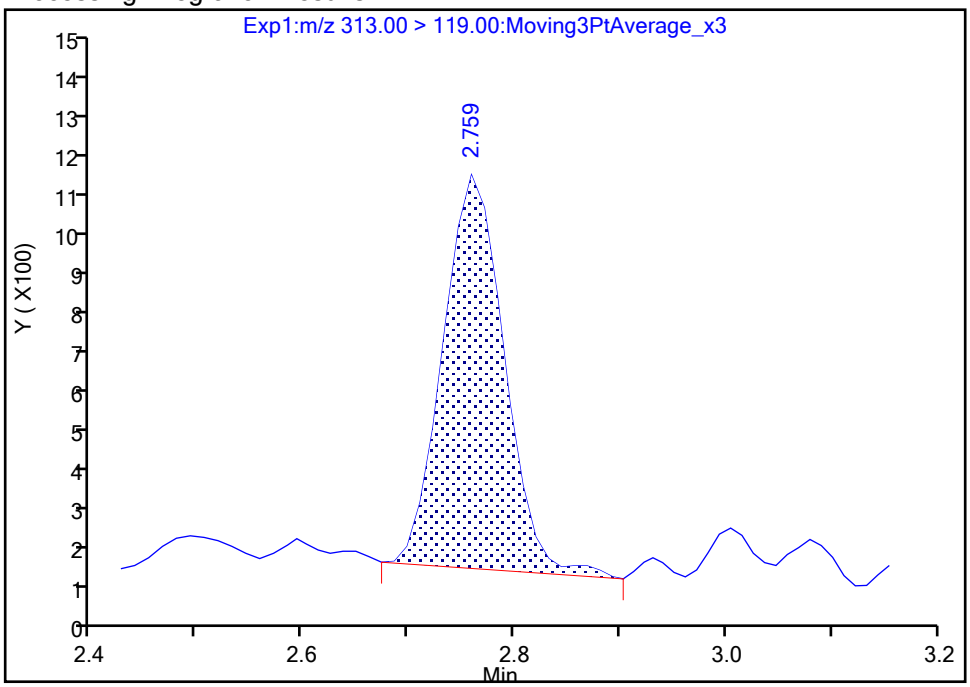
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Injection Date:	22-Dec-2020 12:48:13	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

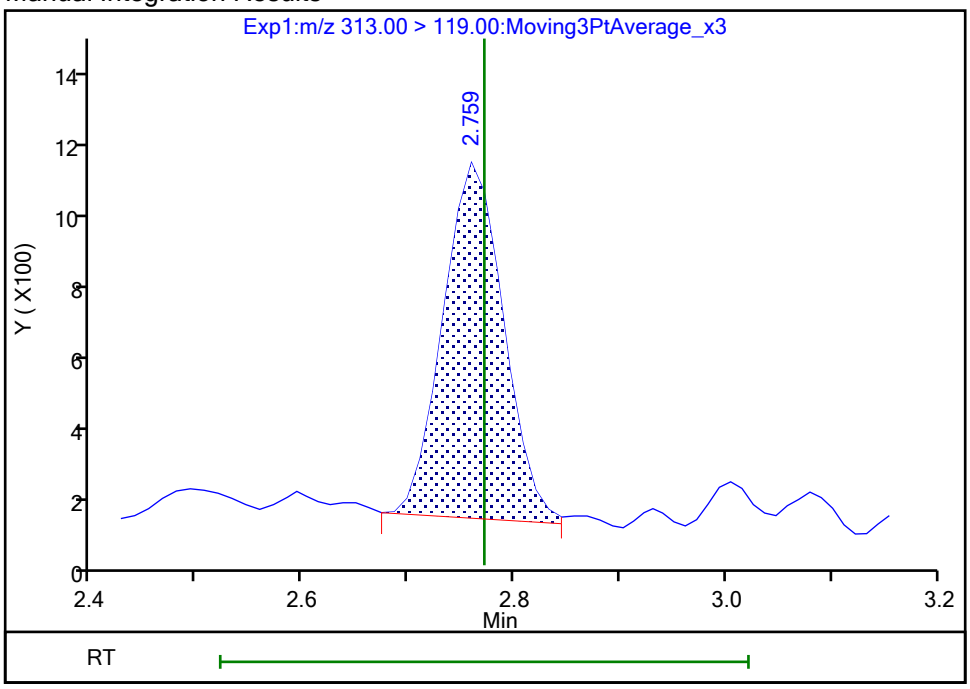
Processing Integration Results

RT: 2.76
Area: 3908
Amount: 0.051782
Amount Units: ng/ml



Manual Integration Results

RT: 2.76
Area: 3848
Amount: 0.058993
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:38:20
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

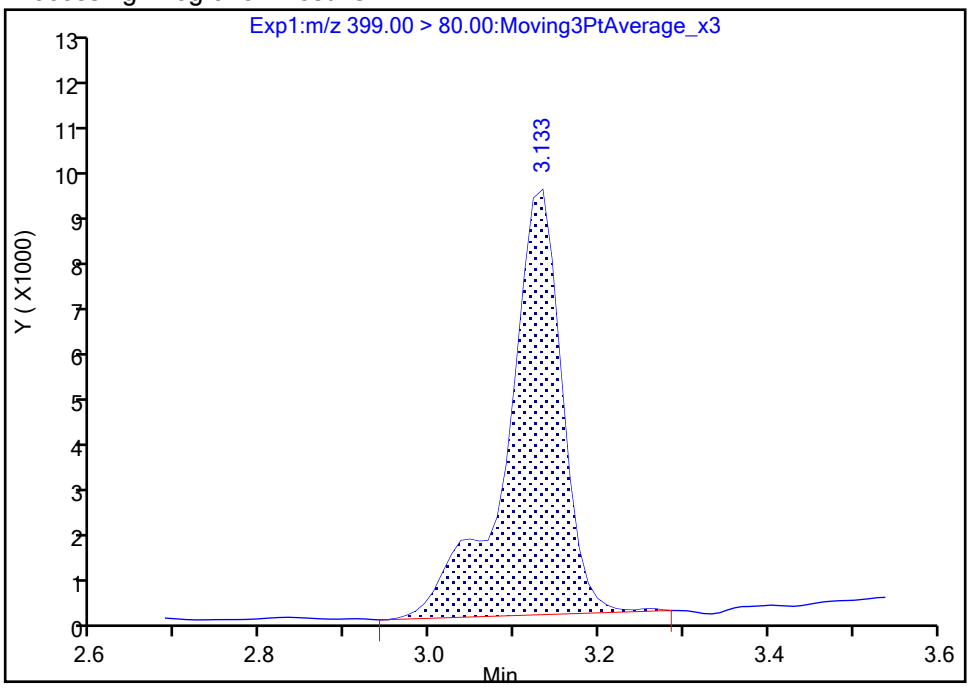
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Injection Date:	22-Dec-2020 12:48:13	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

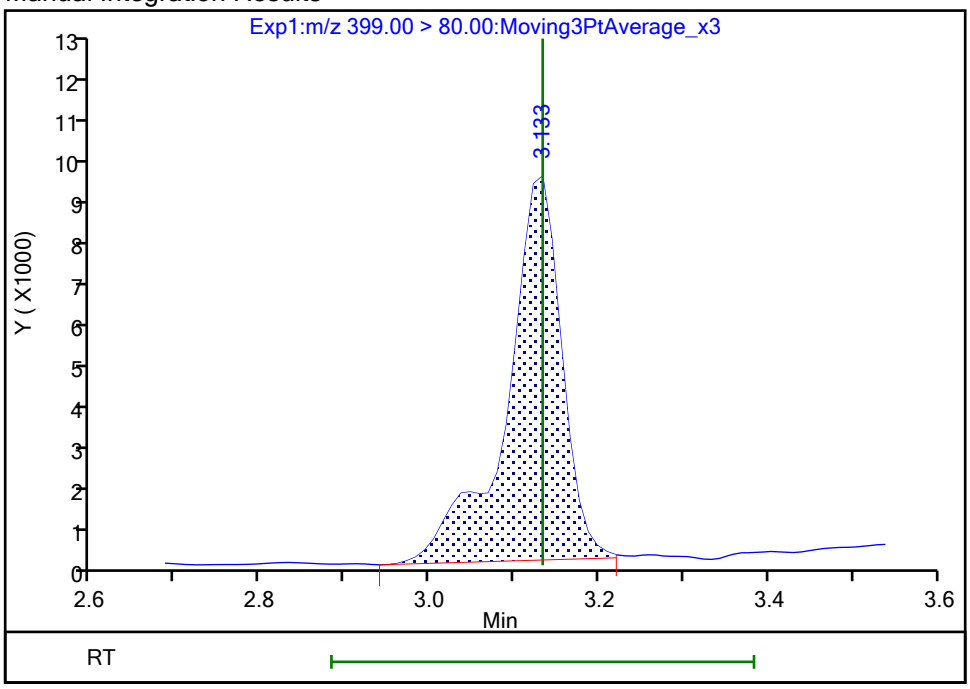
Processing Integration Results

RT: 3.13
Area: 41838
Amount: 0.042786
Amount Units: ng/ml



Manual Integration Results

RT: 3.13
Area: 41668
Amount: 0.050821
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:39:55

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

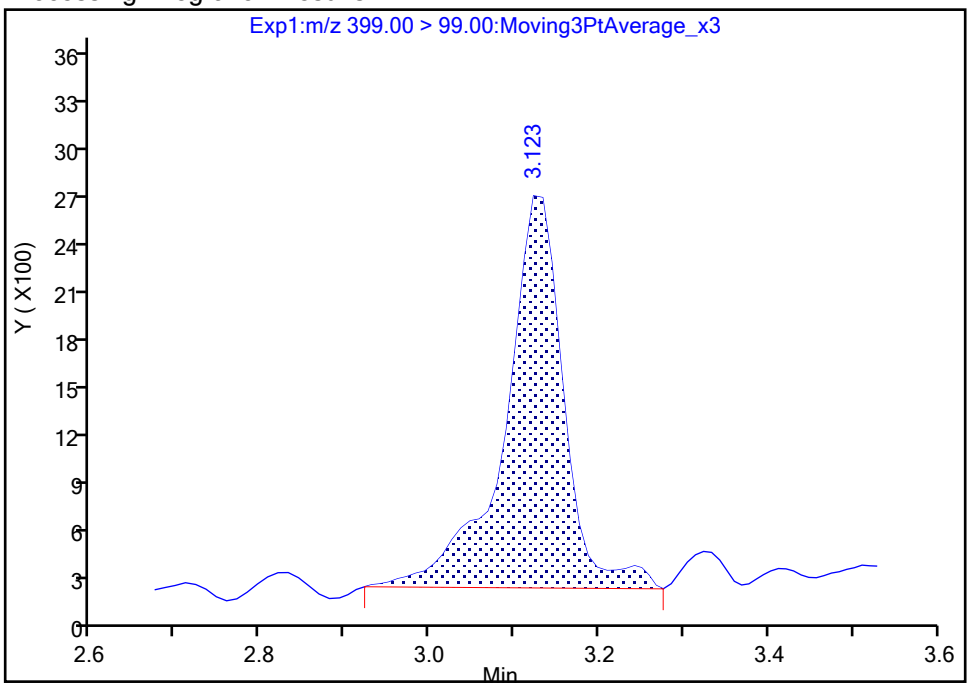
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL008.d				
Injection Date:	22-Dec-2020 12:48:13	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

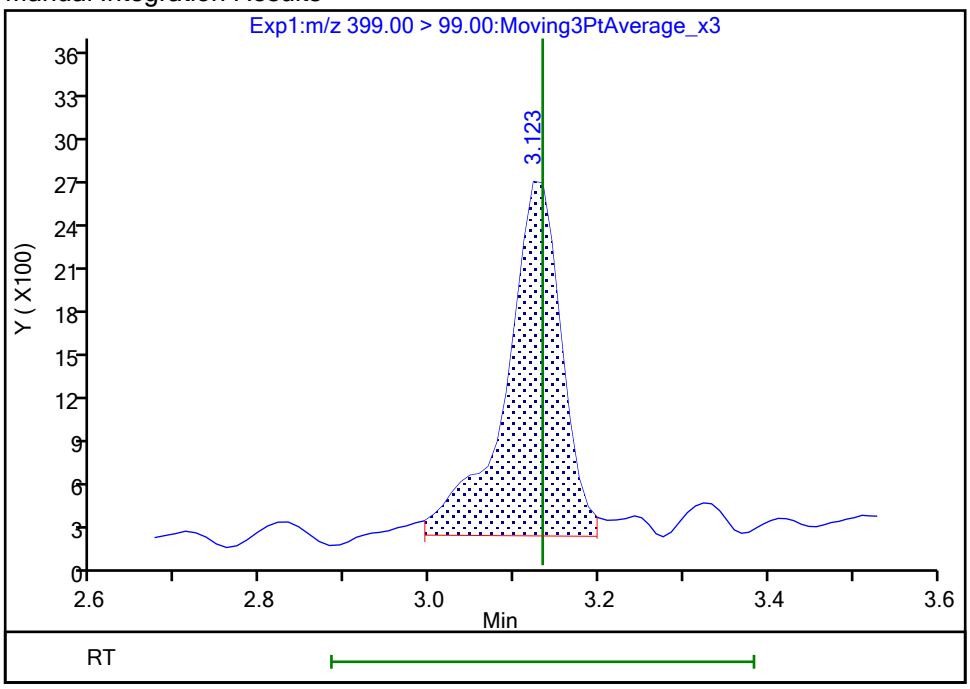
Processing Integration Results

RT: 3.12
Area: 11785
Amount: 0.042786
Amount Units: ng/ml



Manual Integration Results

RT: 3.12
Area: 11112
Amount: 0.050821
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:39:58
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

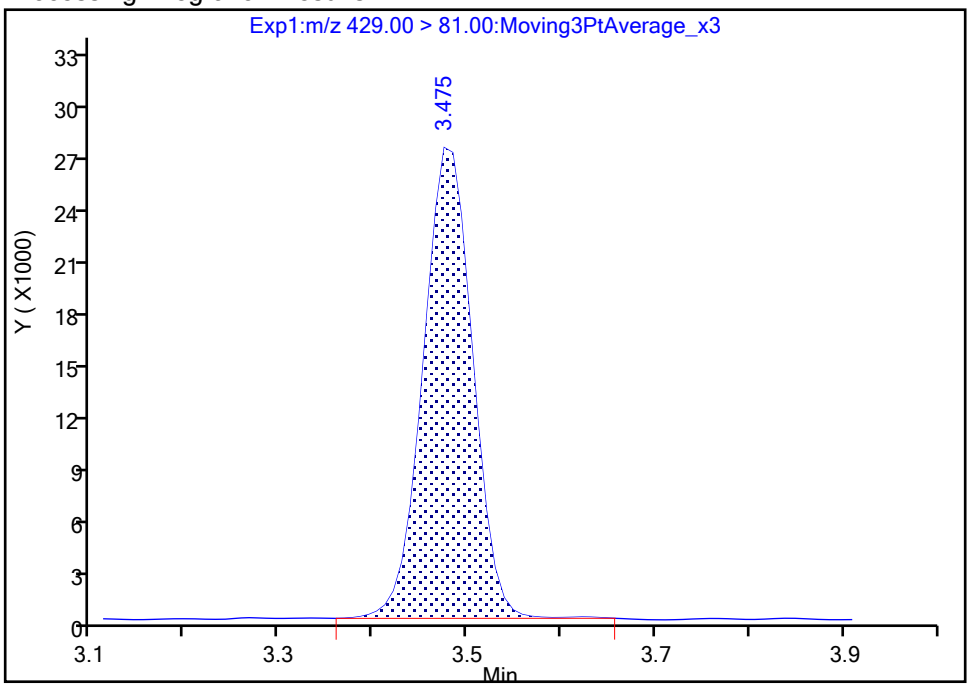
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL008.d				
Injection Date:	22-Dec-2020 12:48:13	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 12 M2-6:2 FTS, CAS: STL02279

Signal: 1

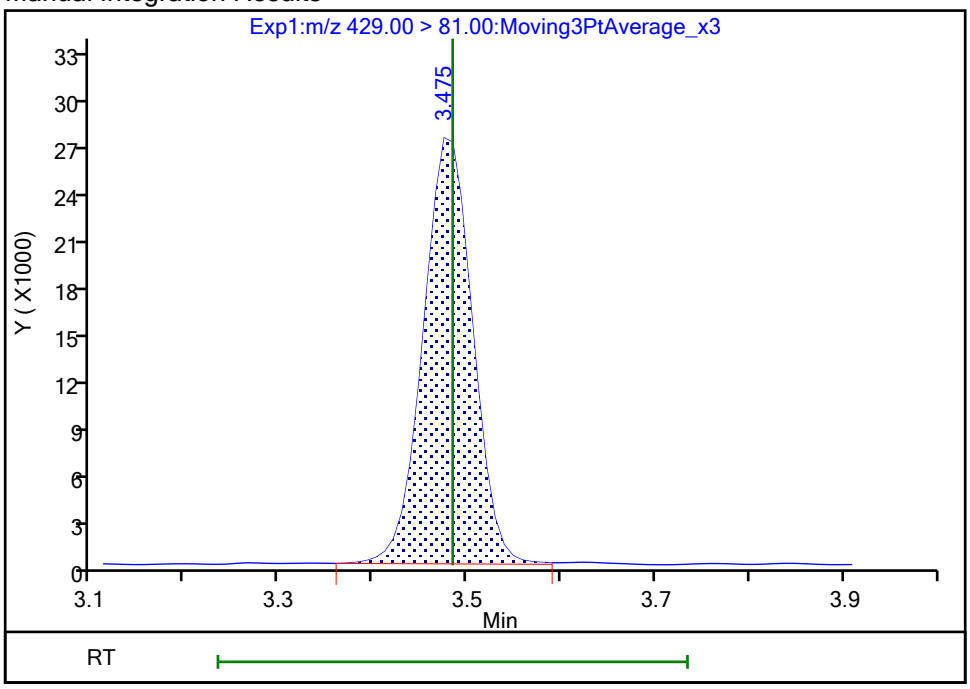
Processing Integration Results

RT: 3.48
Area: 100266
Amount: 1.224525
Amount Units: ng/ml



Manual Integration Results

RT: 3.48
Area: 100493
Amount: 1.210092
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:40:34
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

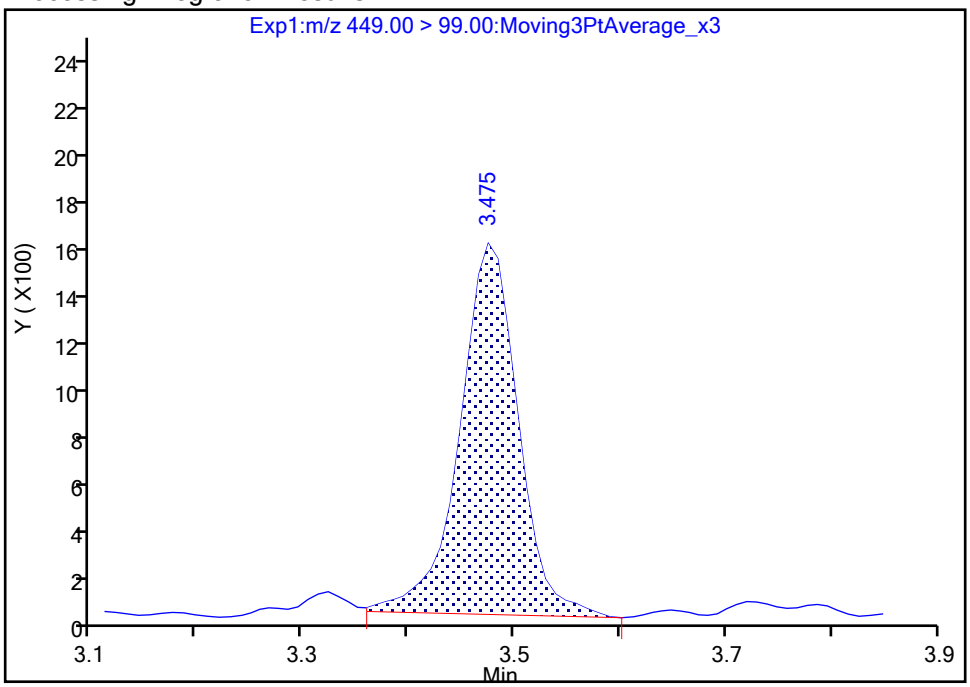
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL008.d				
Injection Date:	22-Dec-2020 12:48:13	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

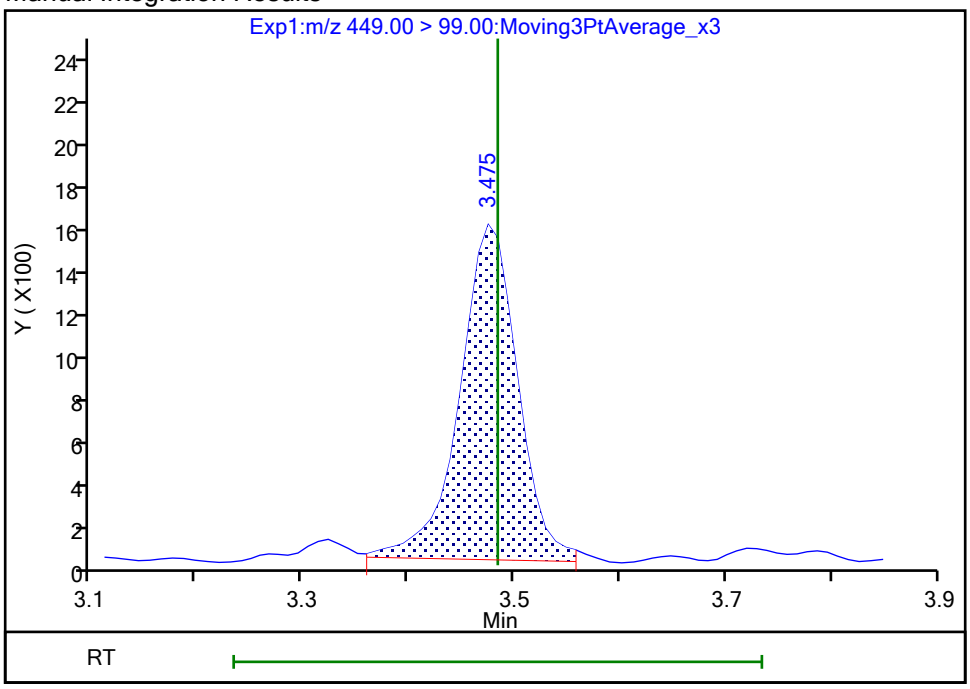
Processing Integration Results

RT: 3.48
Area: 5908
Amount: 0.046186
Amount Units: ng/ml



Manual Integration Results

RT: 3.48
Area: 5848
Amount: 0.051177
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:40:18
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

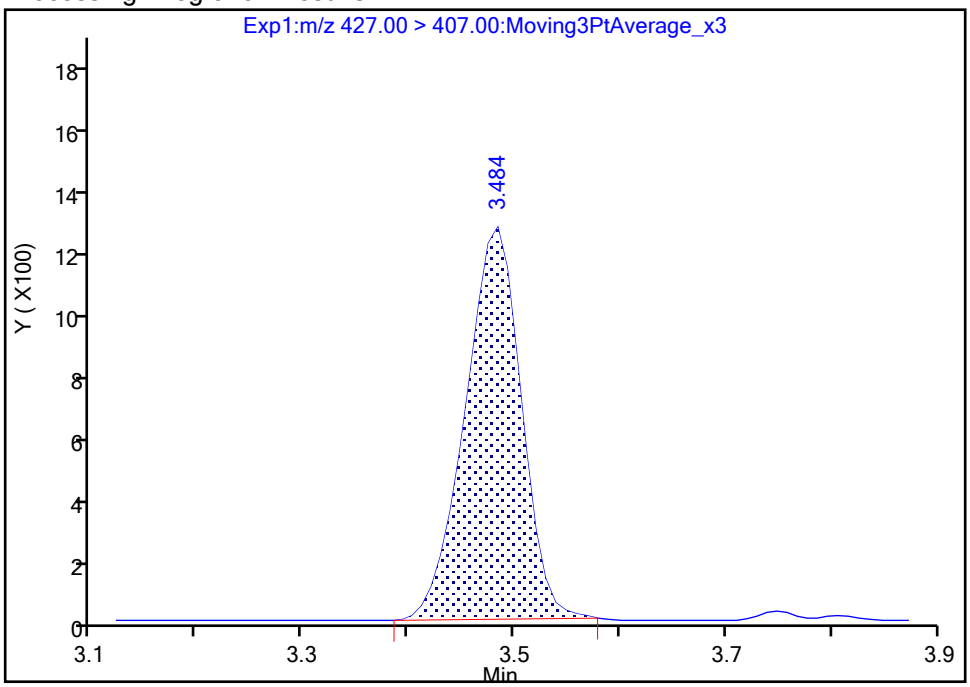
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL008.d				
Injection Date:	22-Dec-2020 12:48:13	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

Signal: 1

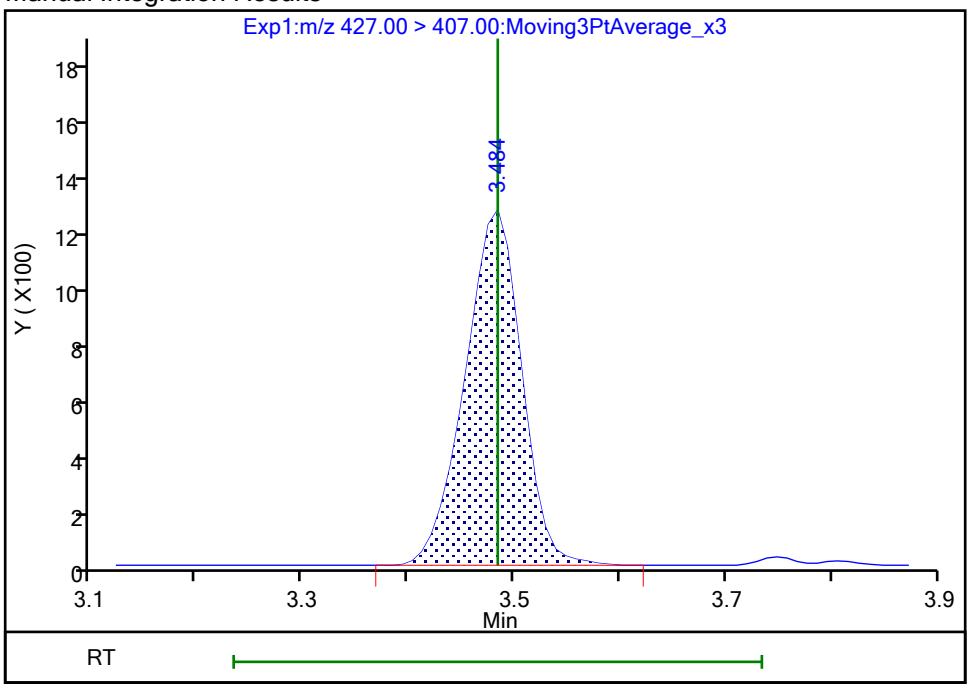
Processing Integration Results

RT: 3.48
Area: 4509
Amount: 0.047470
Amount Units: ng/ml



Manual Integration Results

RT: 3.48
Area: 4554
Amount: 0.048378
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:40:43
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

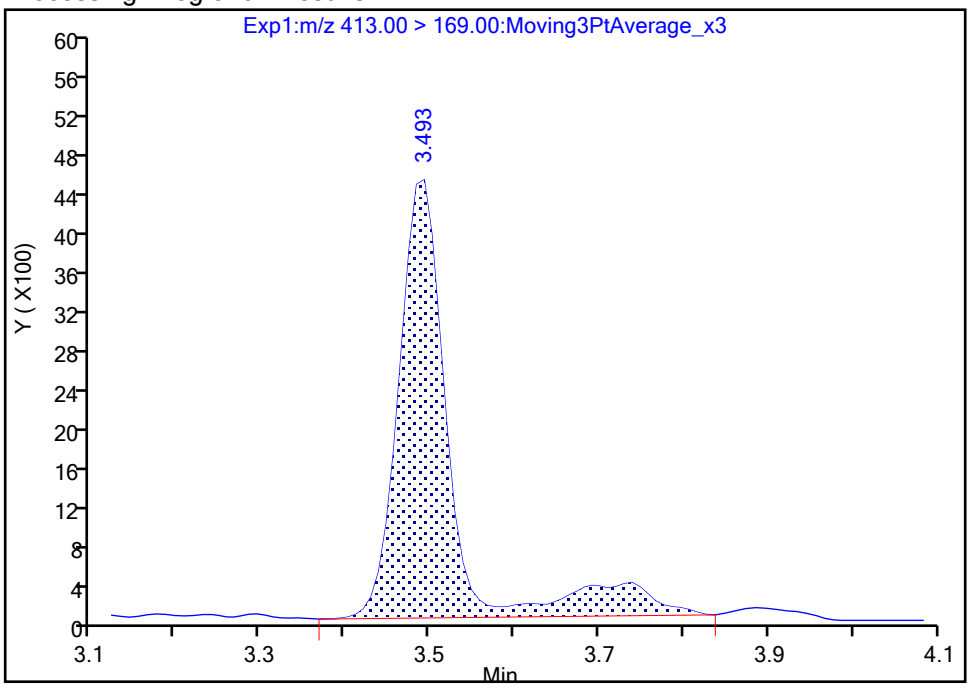
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL008.d
Injection Date: 22-Dec-2020 12:48:13 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

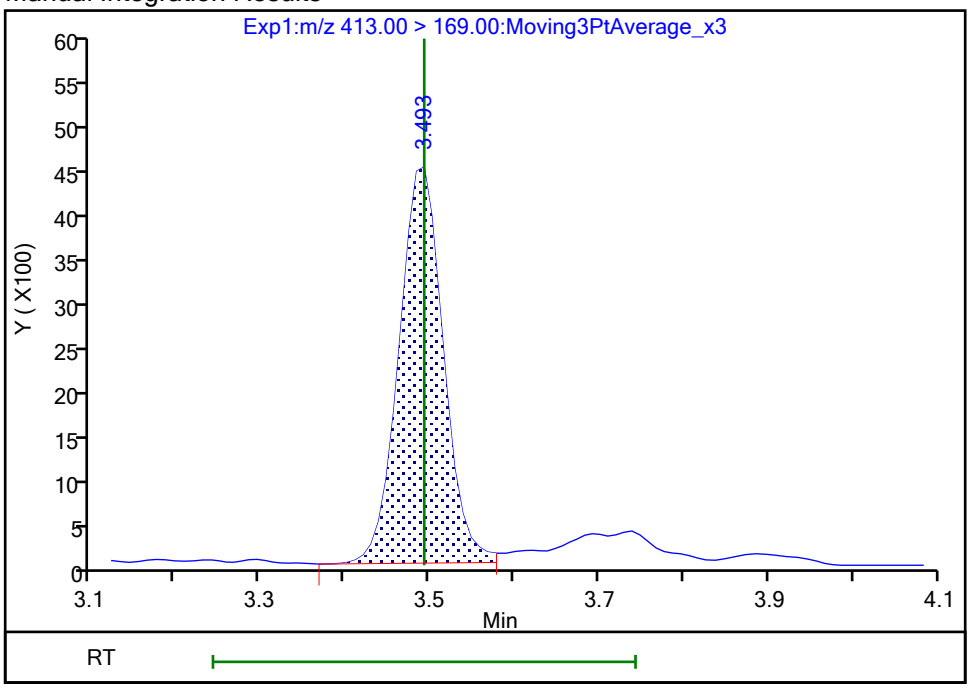
Processing Integration Results

RT: 3.49
Area: 19115
Amount: 0.048680
Amount Units: ng/ml



Manual Integration Results

RT: 3.49
Area: 16414
Amount: 0.052608
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:40:57
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

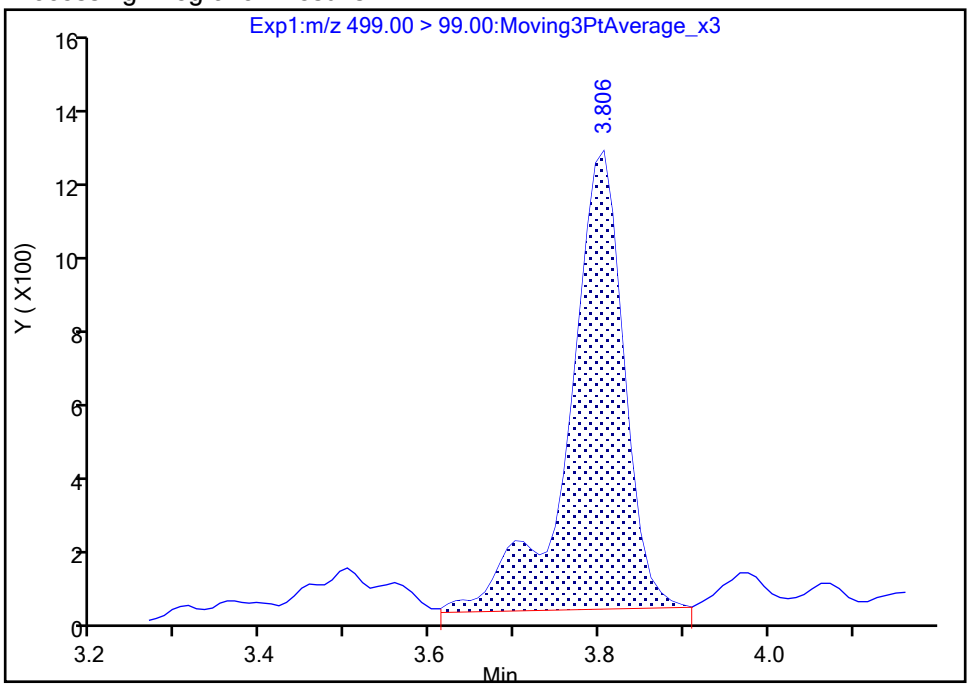
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL008.d				
Injection Date:	22-Dec-2020 12:48:13	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

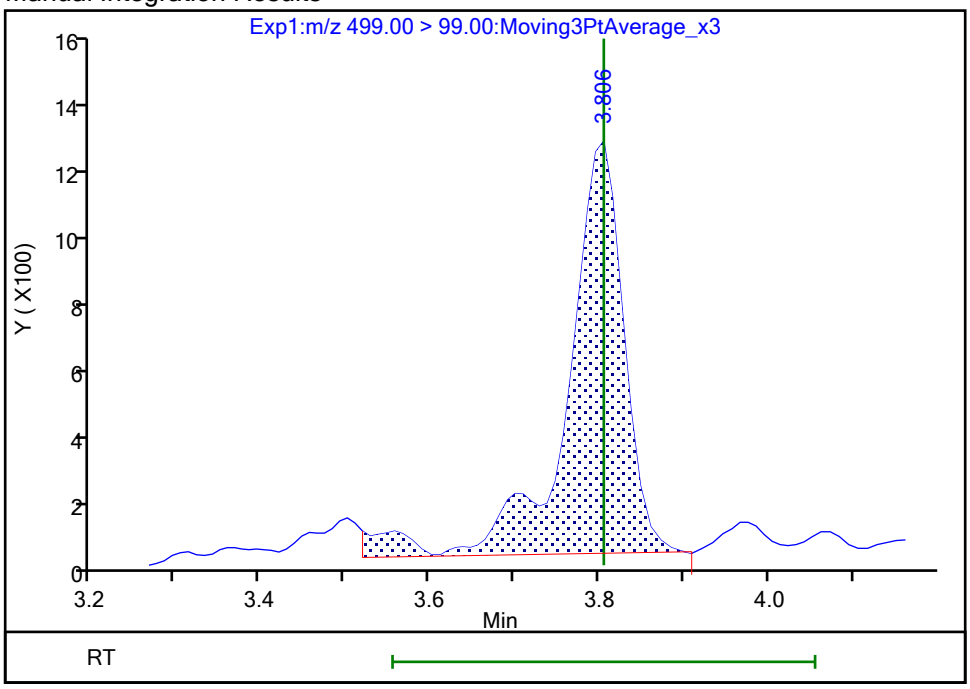
Processing Integration Results

RT: 3.81
Area: 5573
Amount: 0.046531
Amount Units: ng/ml



Manual Integration Results

RT: 3.81
Area: 5749
Amount: 0.051360
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:41:31
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

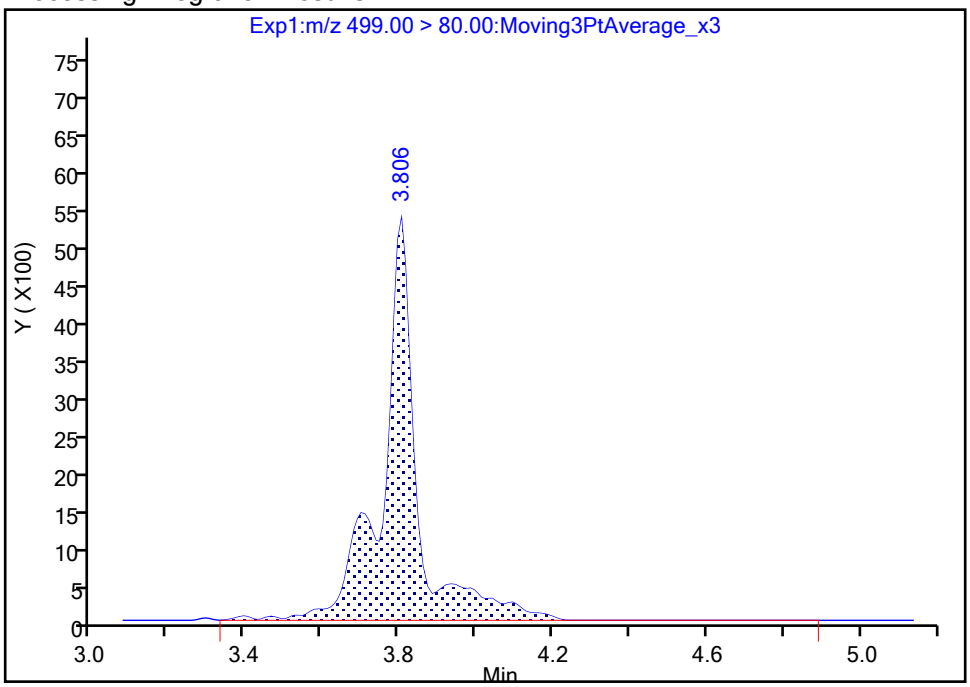
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL008.d				
Injection Date:	22-Dec-2020 12:48:13	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

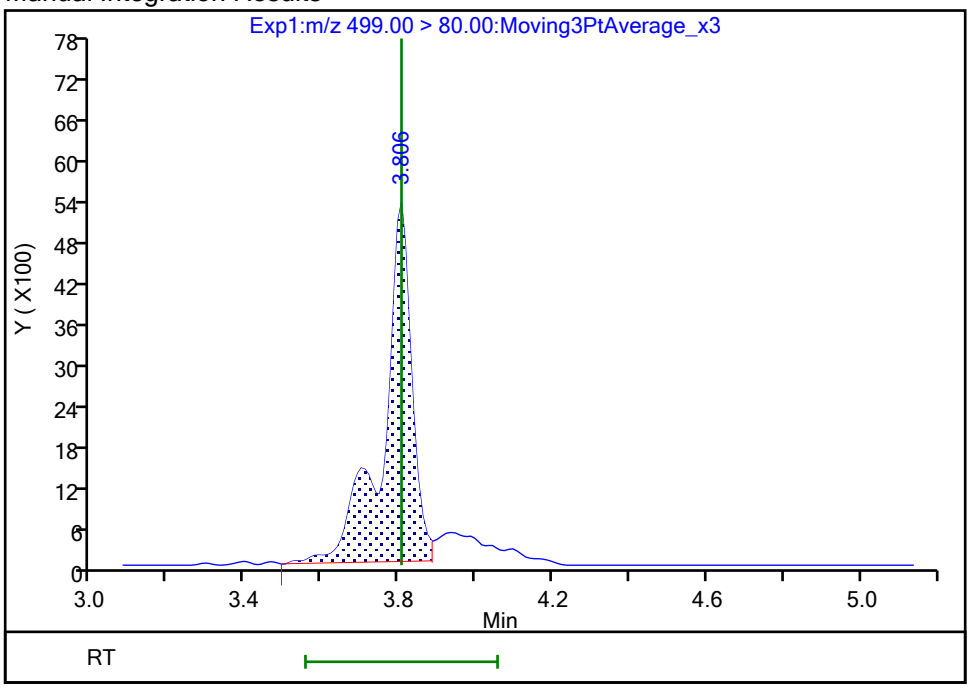
Processing Integration Results

RT: 3.81
Area: 33869
Amount: 0.046531
Amount Units: ng/ml



Manual Integration Results

RT: 3.81
Area: 27324
Amount: 0.051360
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:41:52

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

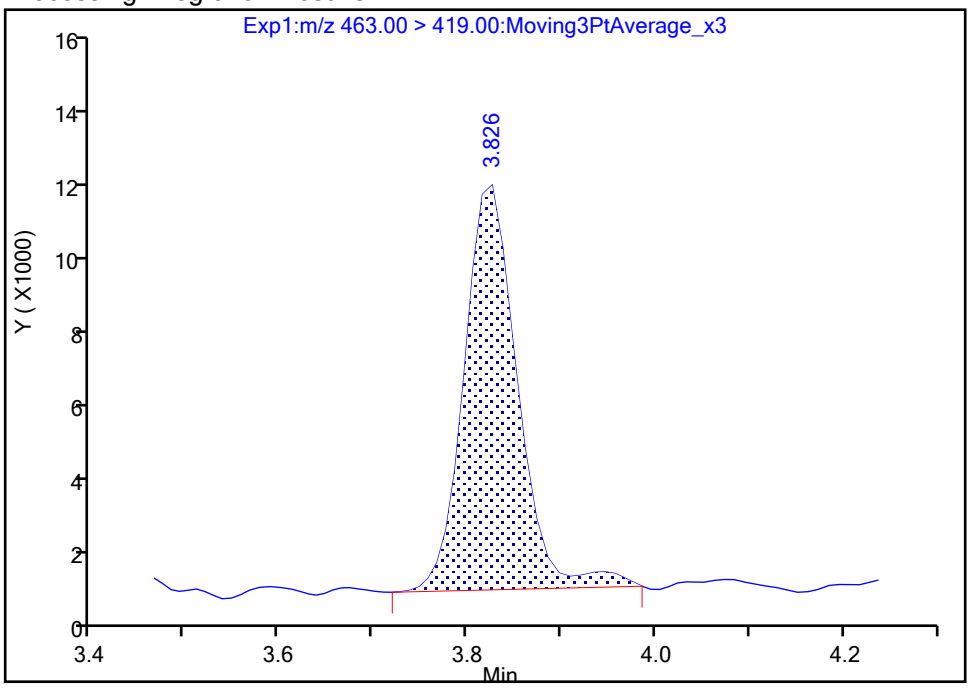
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL008.d				
Injection Date:	22-Dec-2020 12:48:13	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

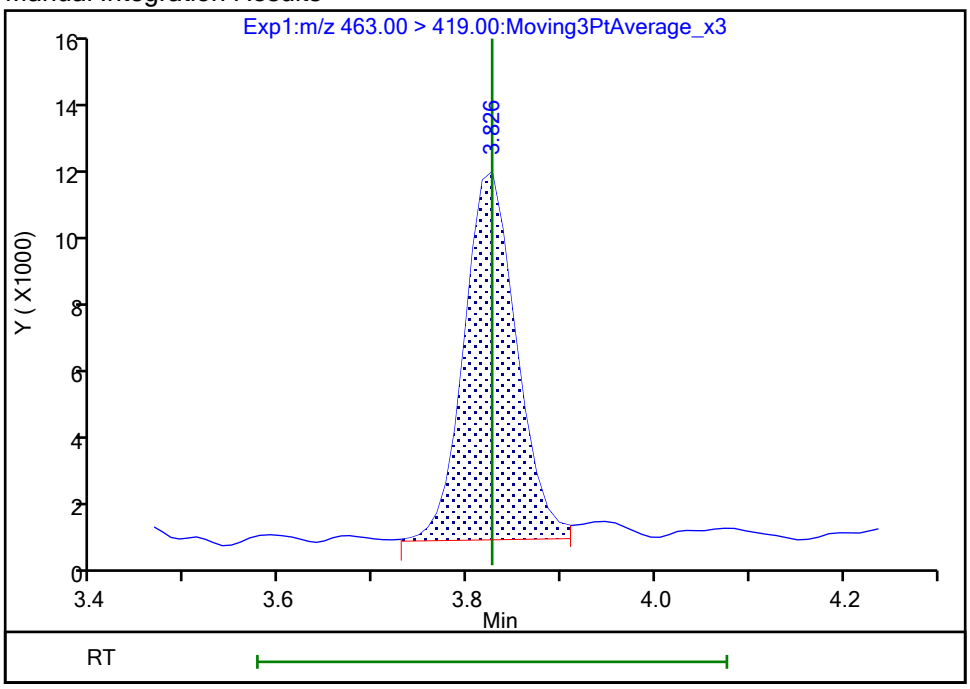
Processing Integration Results

RT: 3.83
Area: 40725
Amount: 0.050765
Amount Units: ng/ml



Manual Integration Results

RT: 3.83
Area: 40080
Amount: 0.057459
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:42:29

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

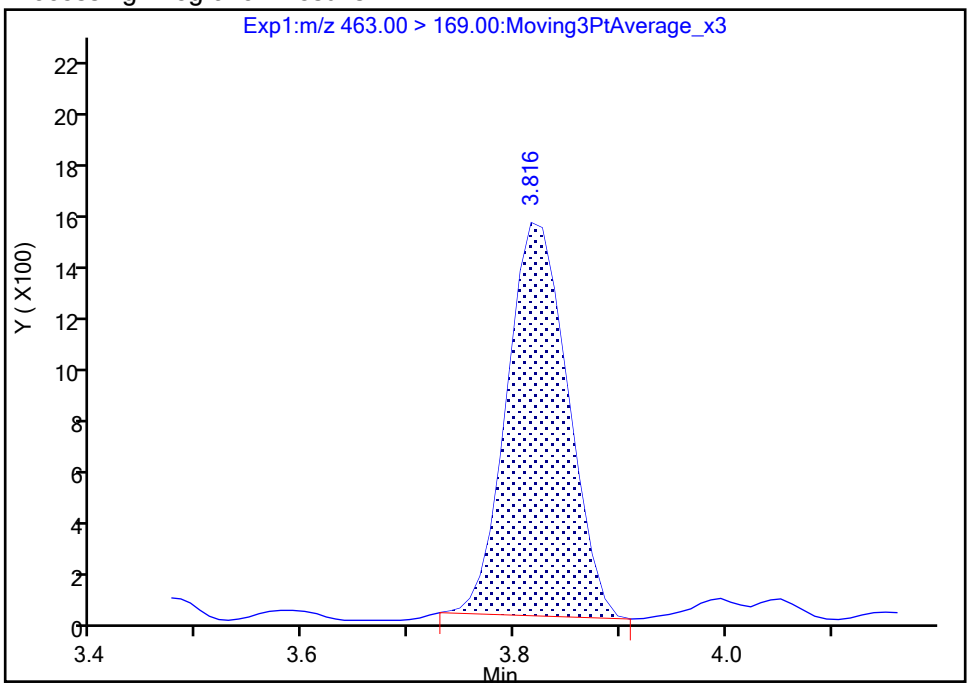
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL008.d				
Injection Date:	22-Dec-2020 12:48:13	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

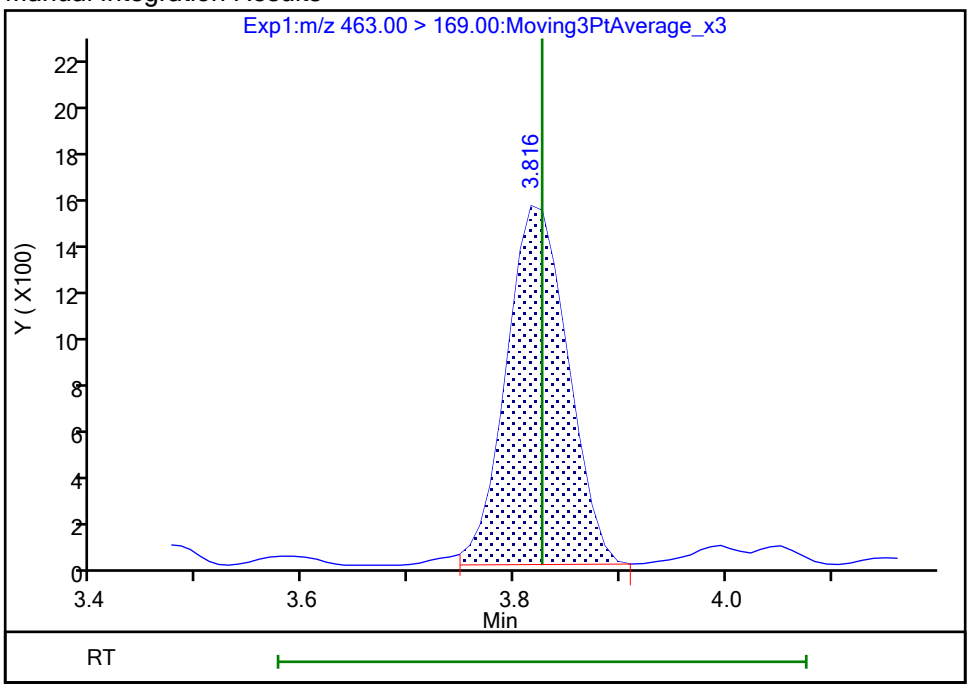
Processing Integration Results

RT: 3.82
Area: 6170
Amount: 0.050765
Amount Units: ng/ml



Manual Integration Results

RT: 3.82
Area: 6287
Amount: 0.057459
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:42:33
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

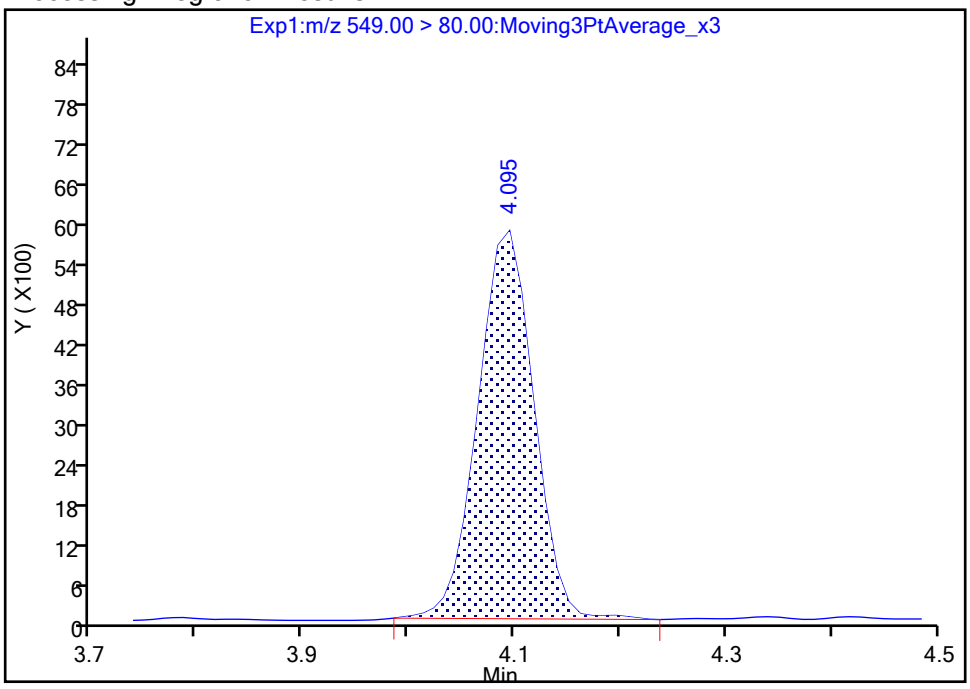
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL008.d				
Injection Date:	22-Dec-2020 12:48:13	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

68 Perfluorononanesulfonic acid, CAS: 68259-12-1

Signal: 1

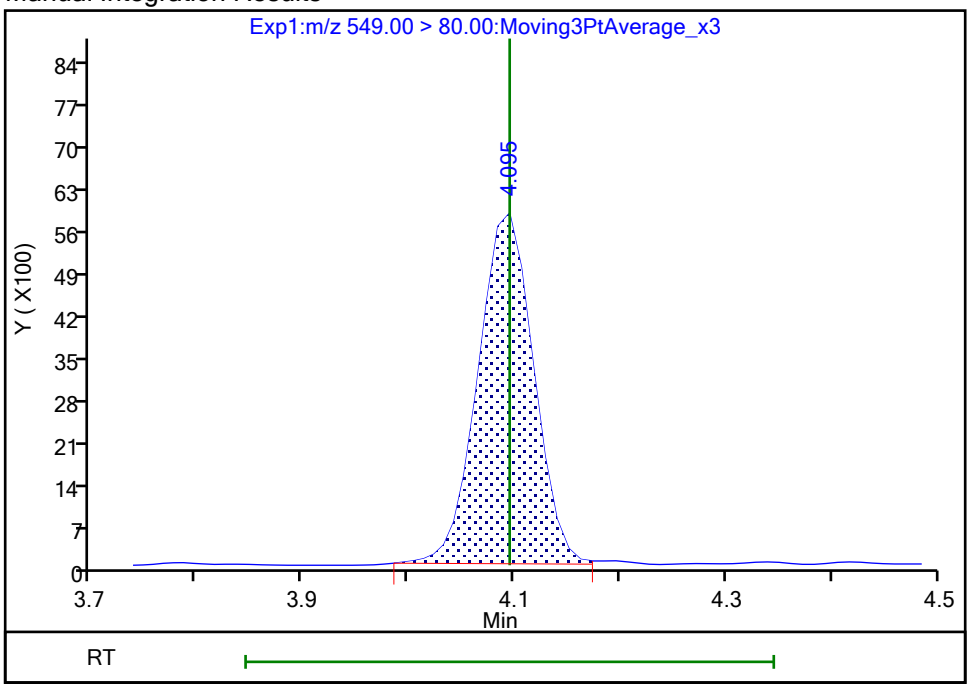
Processing Integration Results

RT: 4.10
Area: 21398
Amount: 0.047565
Amount Units: ng/ml



Manual Integration Results

RT: 4.10
Area: 21260
Amount: 0.053562
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:42:43
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

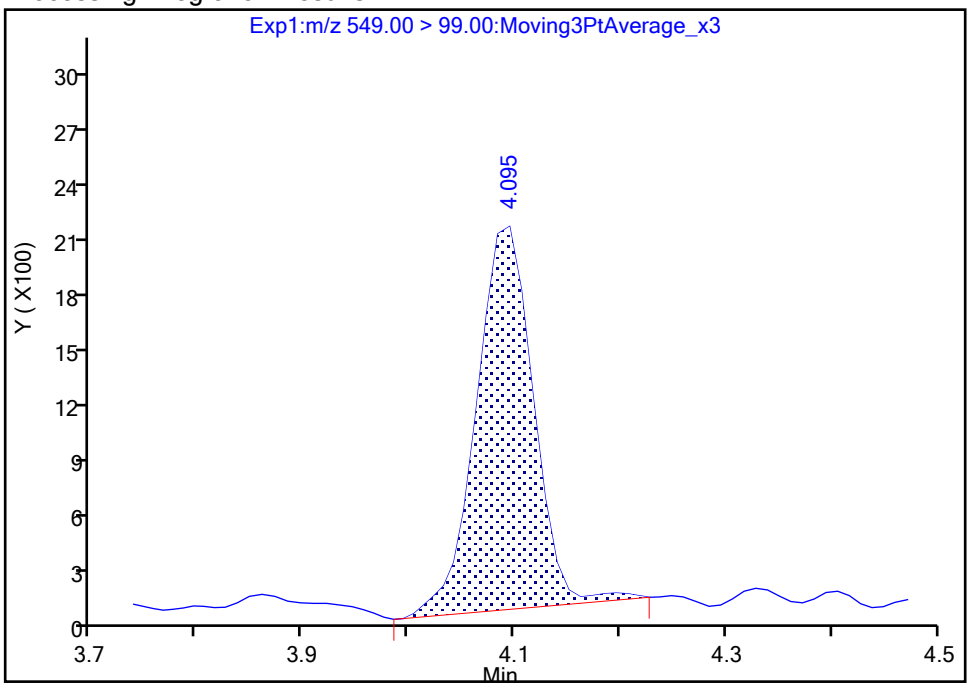
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL008.d				
Injection Date:	22-Dec-2020 12:48:13	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

68 Perfluorononanesulfonic acid, CAS: 68259-12-1

Signal: 2

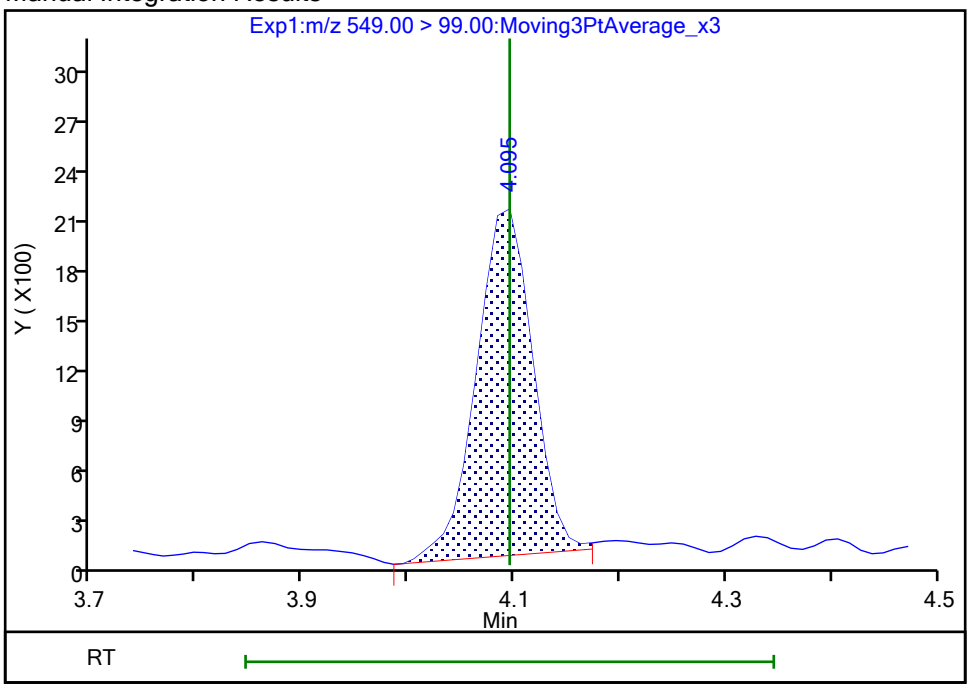
Processing Integration Results

RT: 4.10
Area: 7819
Amount: 0.047565
Amount Units: ng/ml



Manual Integration Results

RT: 4.10
Area: 7735
Amount: 0.053562
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:42:47

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

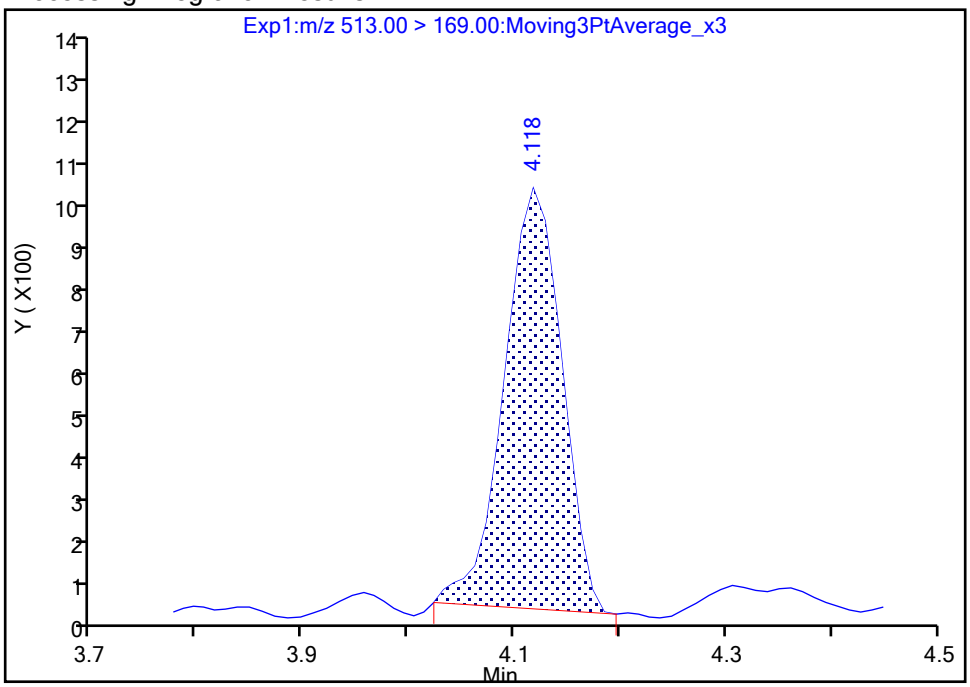
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL008.d				
Injection Date:	22-Dec-2020 12:48:13	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

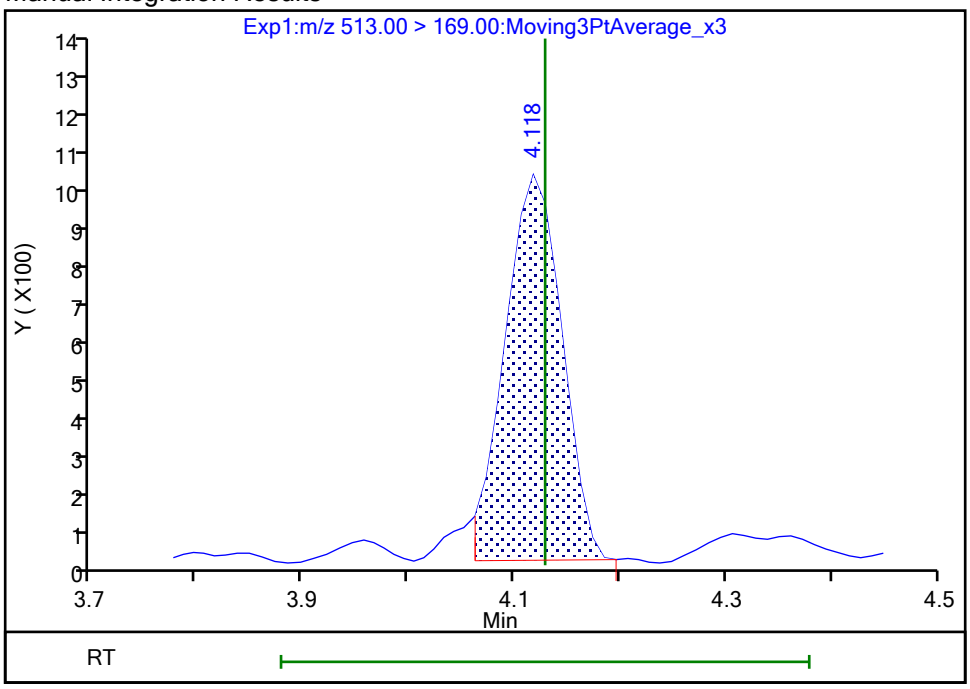
Processing Integration Results

RT: 4.12
Area: 3840
Amount: 0.047221
Amount Units: ng/ml



Manual Integration Results

RT: 4.12
Area: 3824
Amount: 0.051836
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:43:04

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

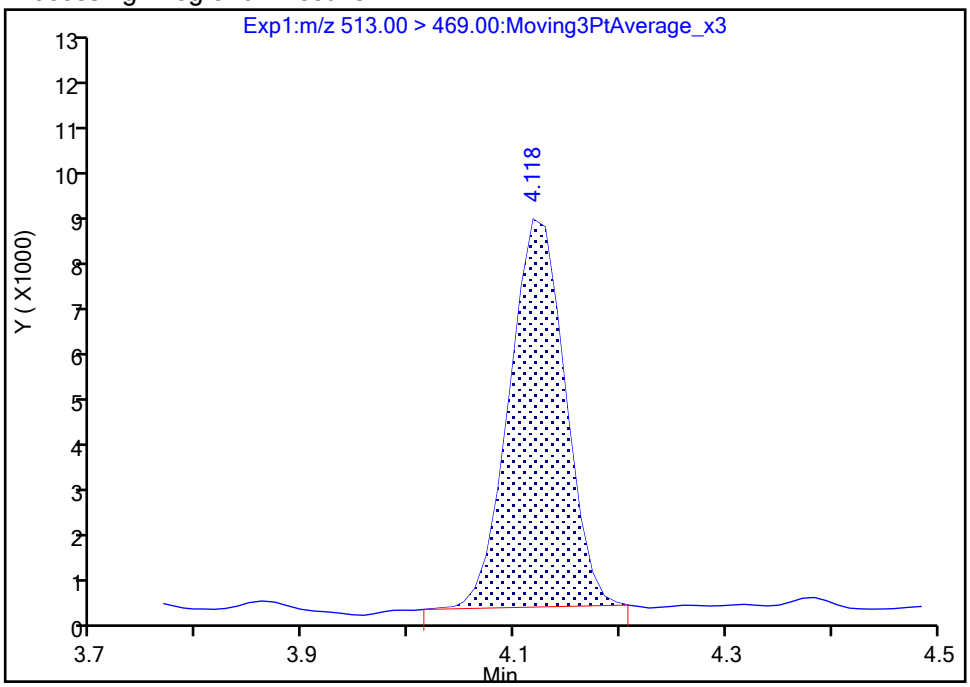
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL008.d				
Injection Date:	22-Dec-2020 12:48:13	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

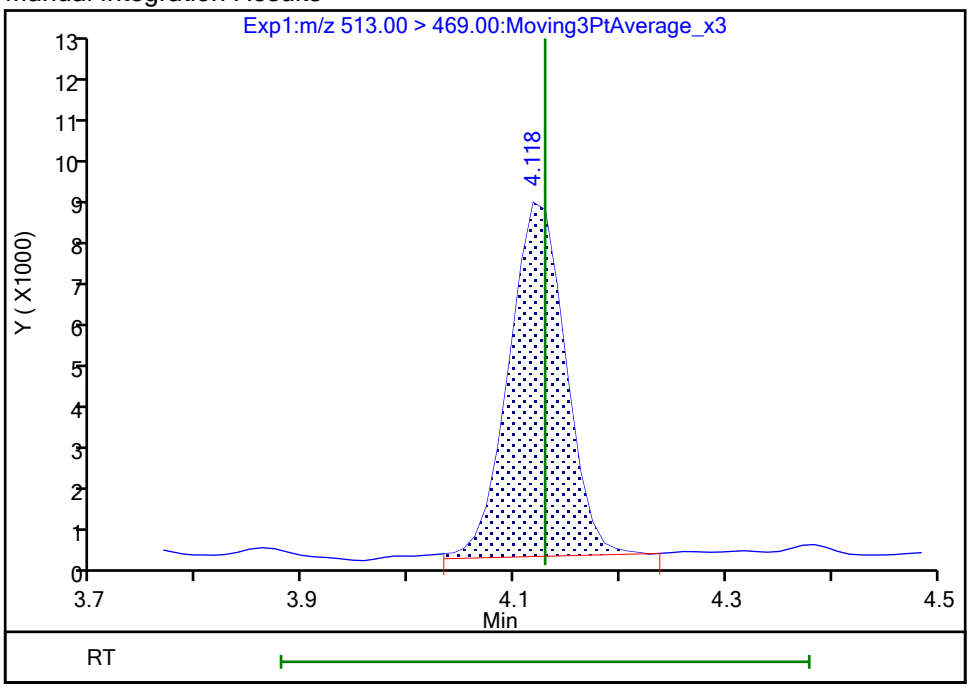
Processing Integration Results

RT: 4.12
Area: 30845
Amount: 0.047221
Amount Units: ng/ml



Manual Integration Results

RT: 4.12
Area: 31691
Amount: 0.051836
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:43:07

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

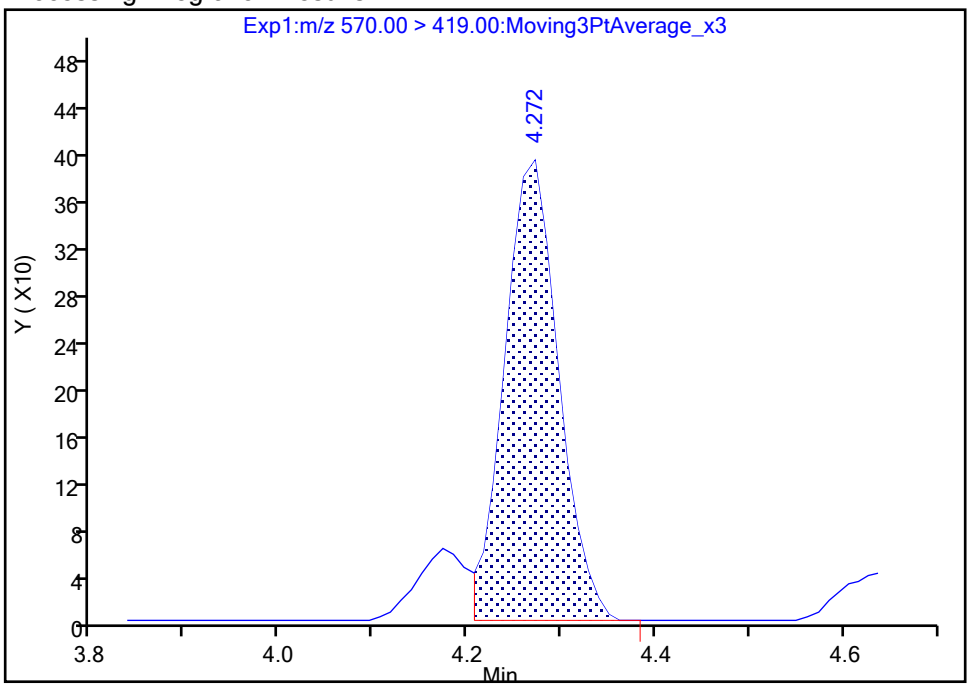
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL008.d				
Injection Date:	22-Dec-2020 12:48:13	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

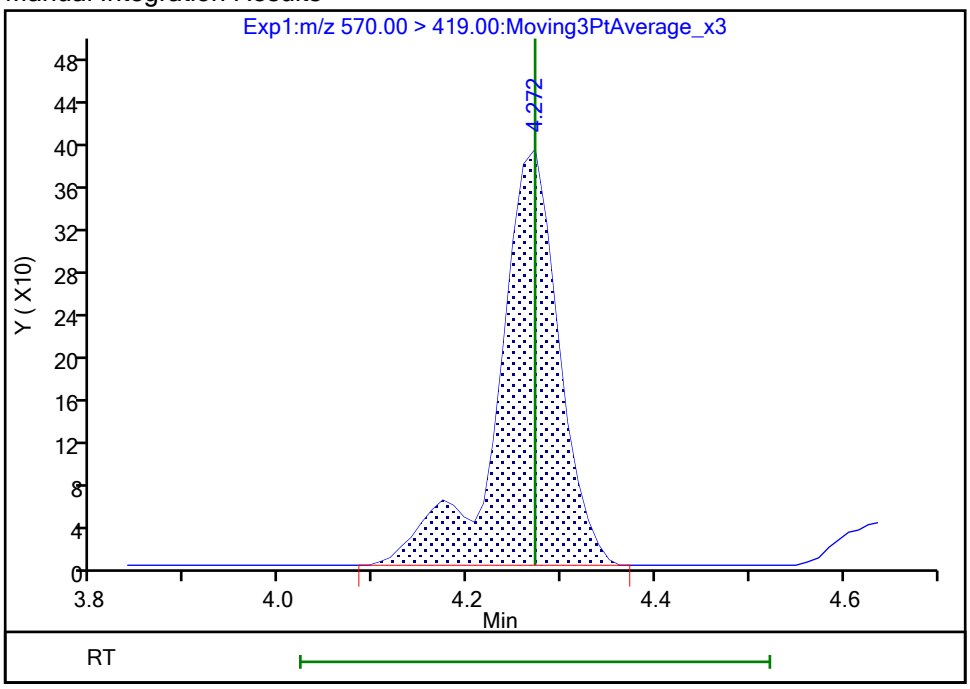
Processing Integration Results

RT: 4.27
Area: 1554
Amount: 0.046107
Amount Units: ng/ml



Manual Integration Results

RT: 4.27
Area: 1773
Amount: 0.050113
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:43:23

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

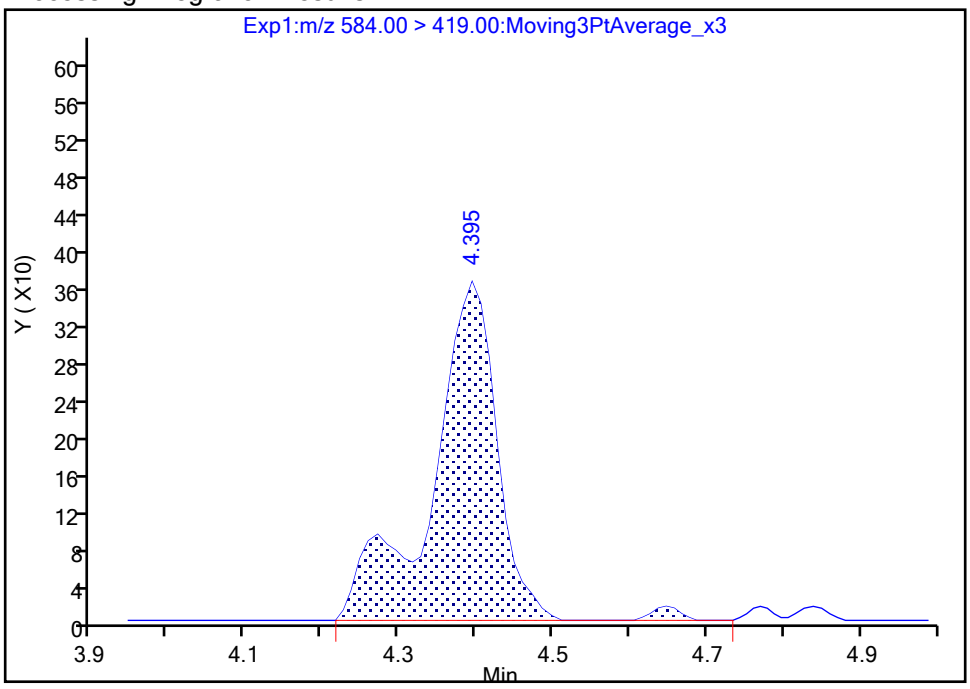
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL008.d
Injection Date: 22-Dec-2020 12:48:13 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

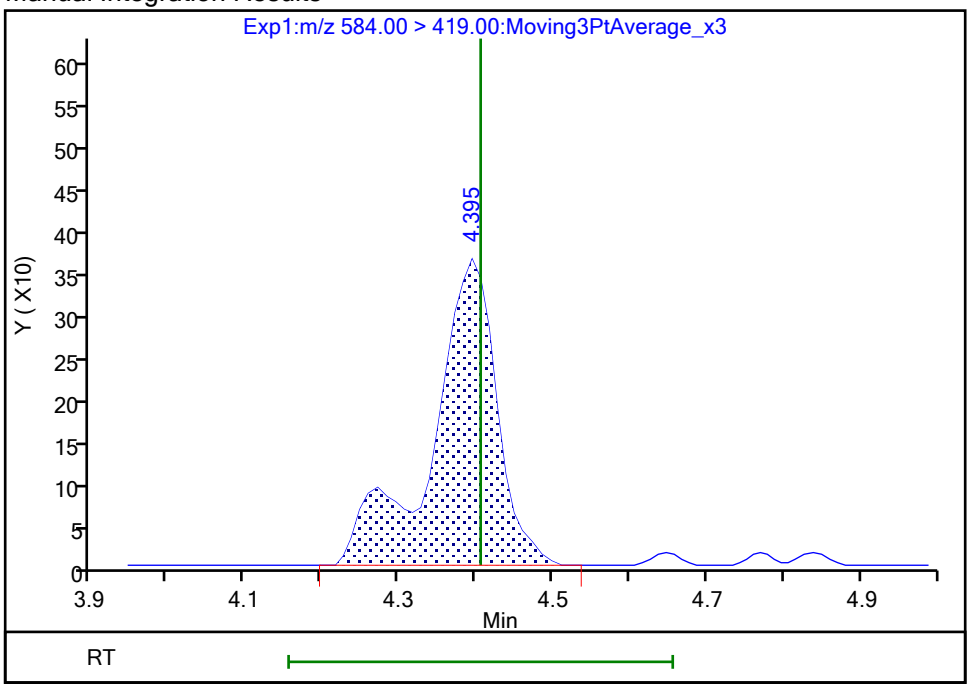
Processing Integration Results

RT: 4.39
Area: 2167
Amount: 0.054458
Amount Units: ng/ml



Manual Integration Results

RT: 4.39
Area: 2130
Amount: 0.058551
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:43:40
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

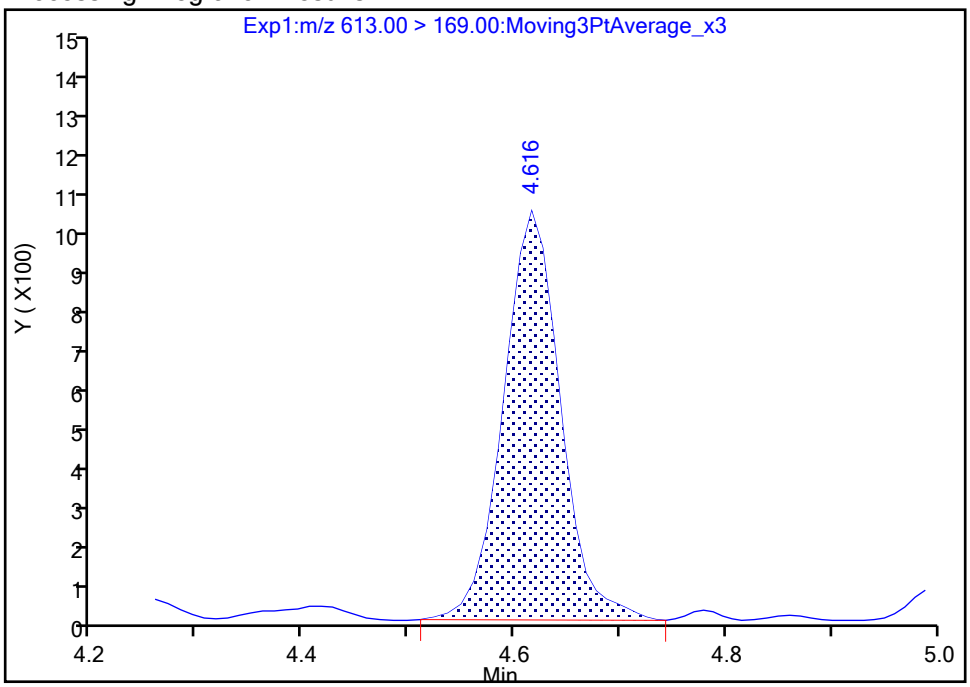
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Injection Date:	22-Dec-2020 12:48:13	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

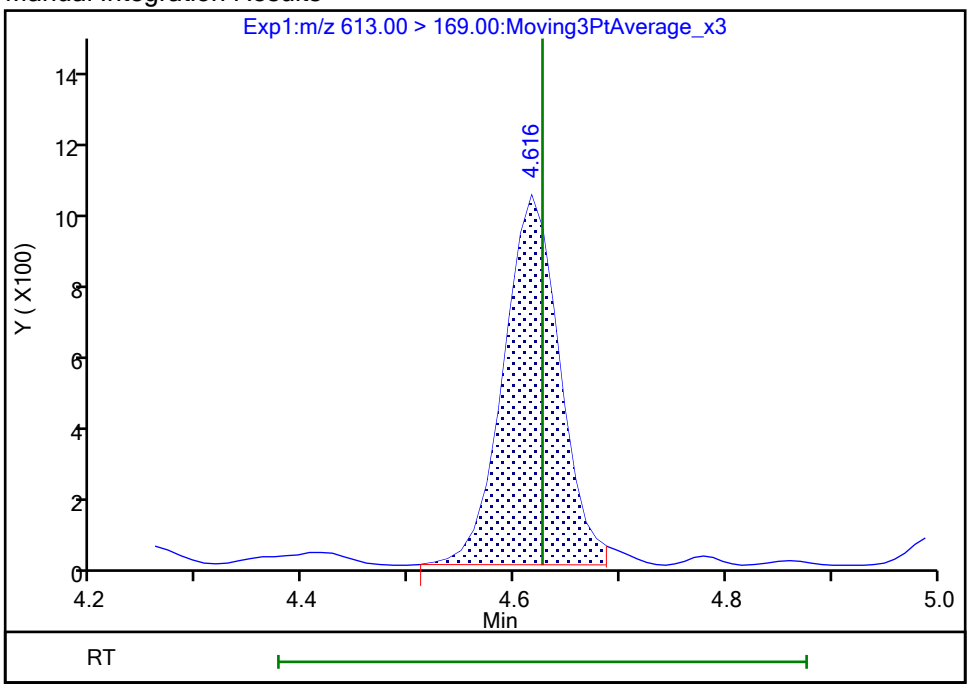
Processing Integration Results

RT: 4.62
Area: 3910
Amount: 0.048356
Amount Units: ng/ml



Manual Integration Results

RT: 4.62
Area: 3833
Amount: 0.054276
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:43:58
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

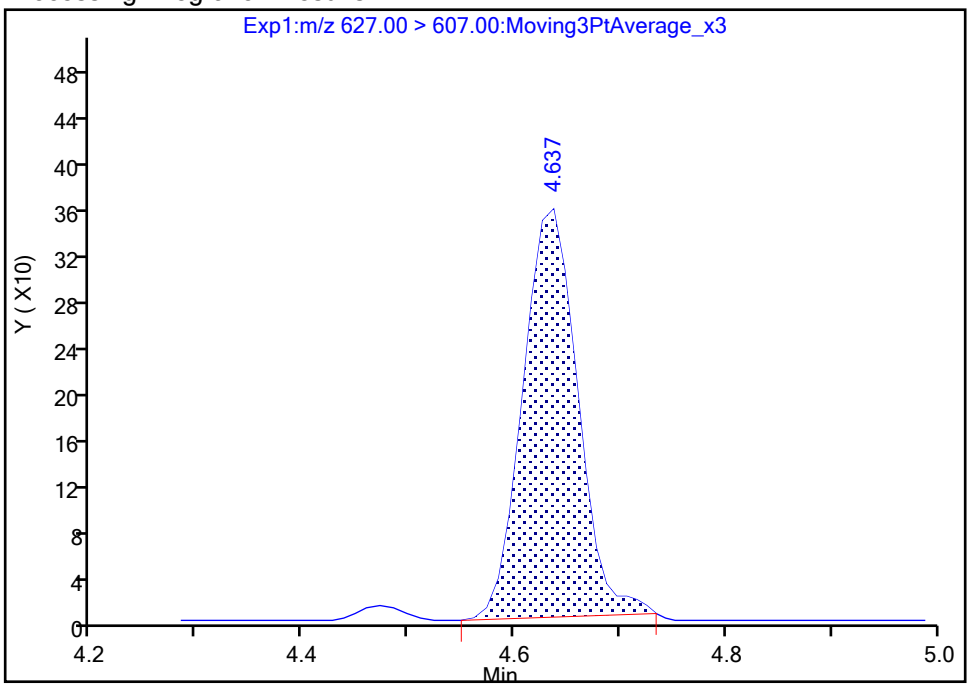
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Injection Date:	22-Dec-2020 12:48:13	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

74 1H,1H,2H,2H-perfluorododecanesul, CAS: 120226-60-0

Signal: 1

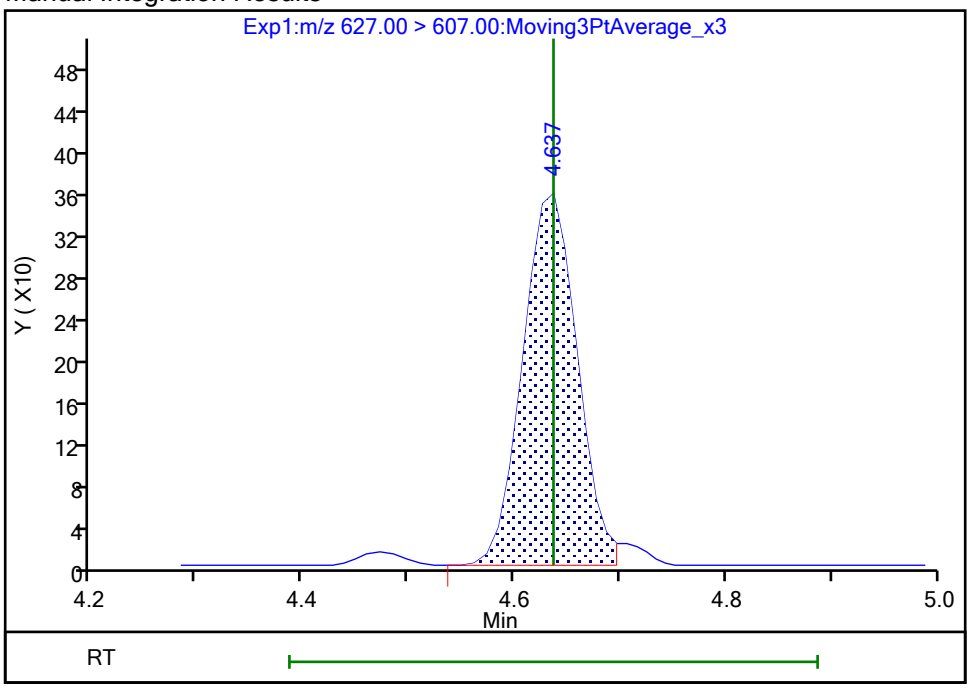
Processing Integration Results

RT: 4.64
Area: 1287
Amount: 0.045204
Amount Units: ng/ml



Manual Integration Results

RT: 4.64
Area: 1284
Amount: 0.040790
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:44:11
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

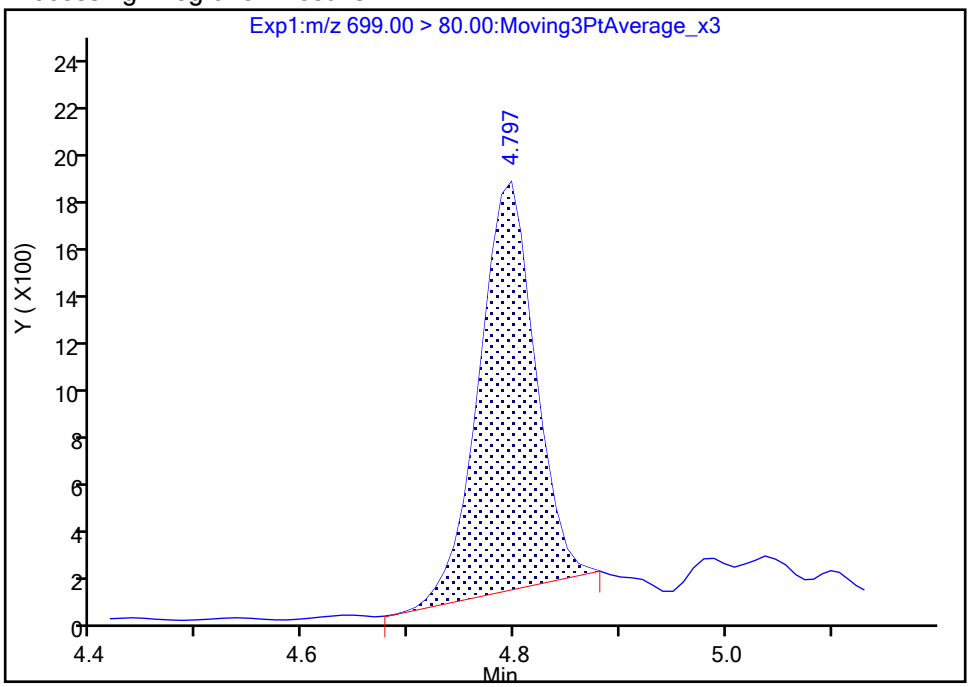
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Injection Date:	22-Dec-2020 12:48:13	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

75 Perfluorododecanesulfonic acid (, CAS: 79780-39-5

Signal: 1

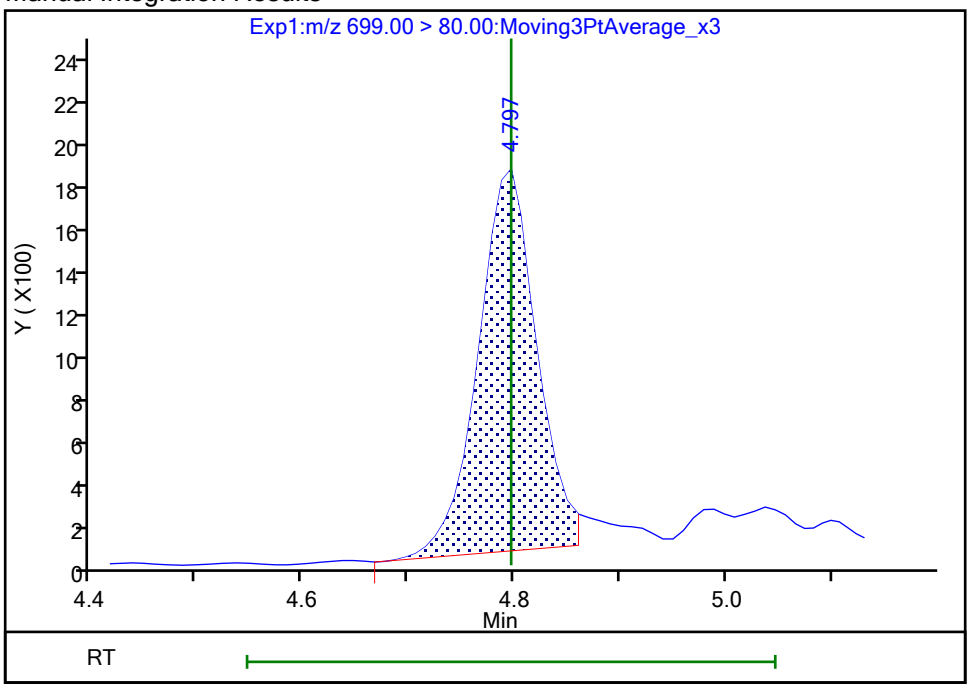
Processing Integration Results

RT: 4.80
Area: 6369
Amount: 0.047233
Amount Units: ng/ml



Manual Integration Results

RT: 4.80
Area: 6843
Amount: 0.058777
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:44:24
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

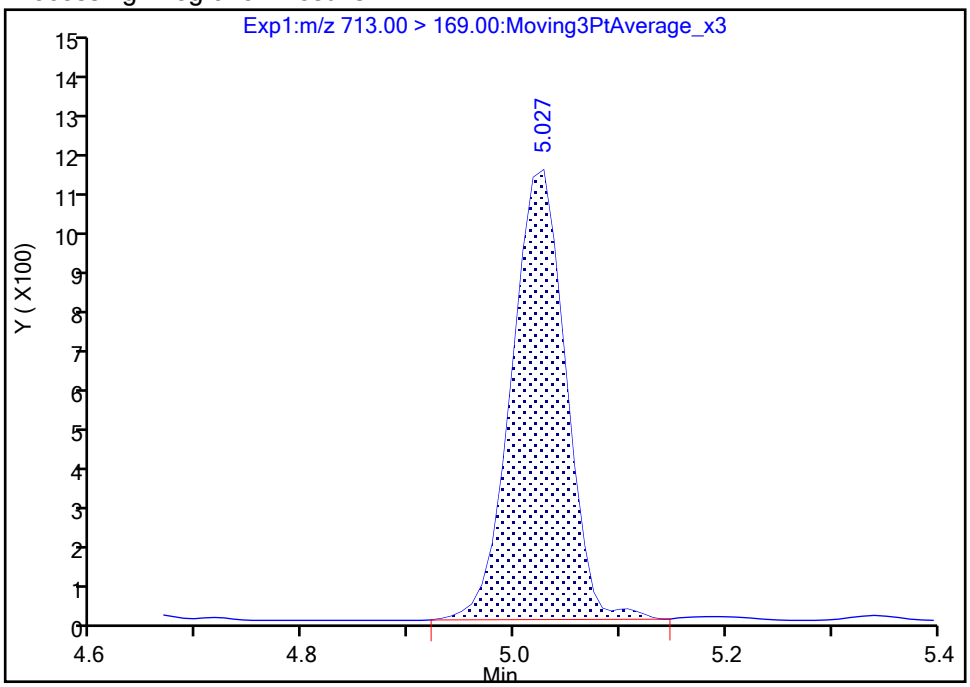
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Injection Date:	22-Dec-2020 12:48:13	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

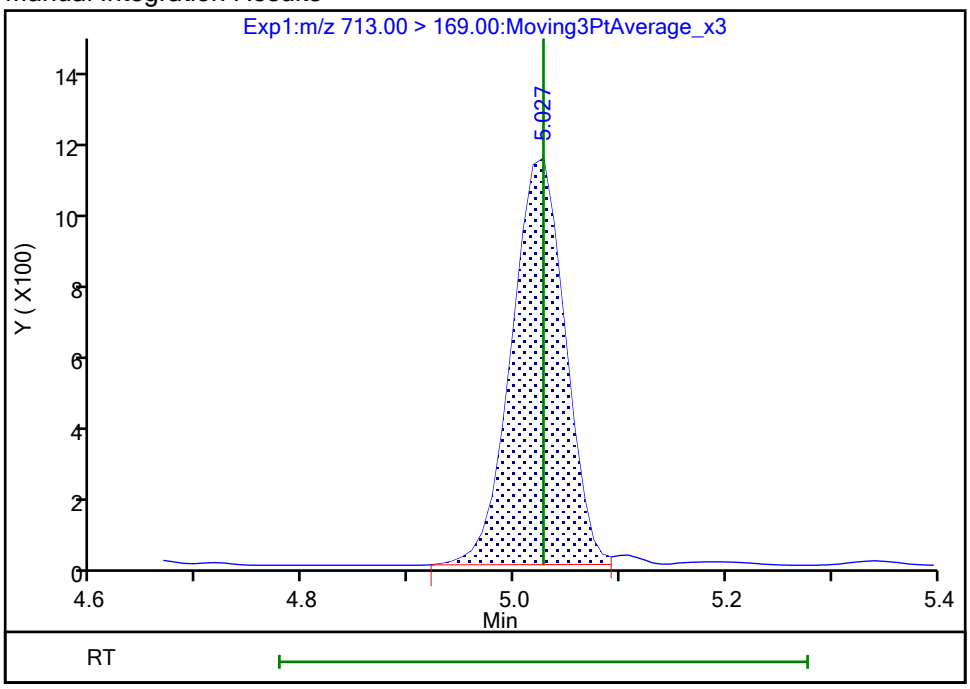
Processing Integration Results

RT: 5.03
Area: 3835
Amount: 0.052002
Amount Units: ng/ml



Manual Integration Results

RT: 5.03
Area: 3795
Amount: 0.055490
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:44:36
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

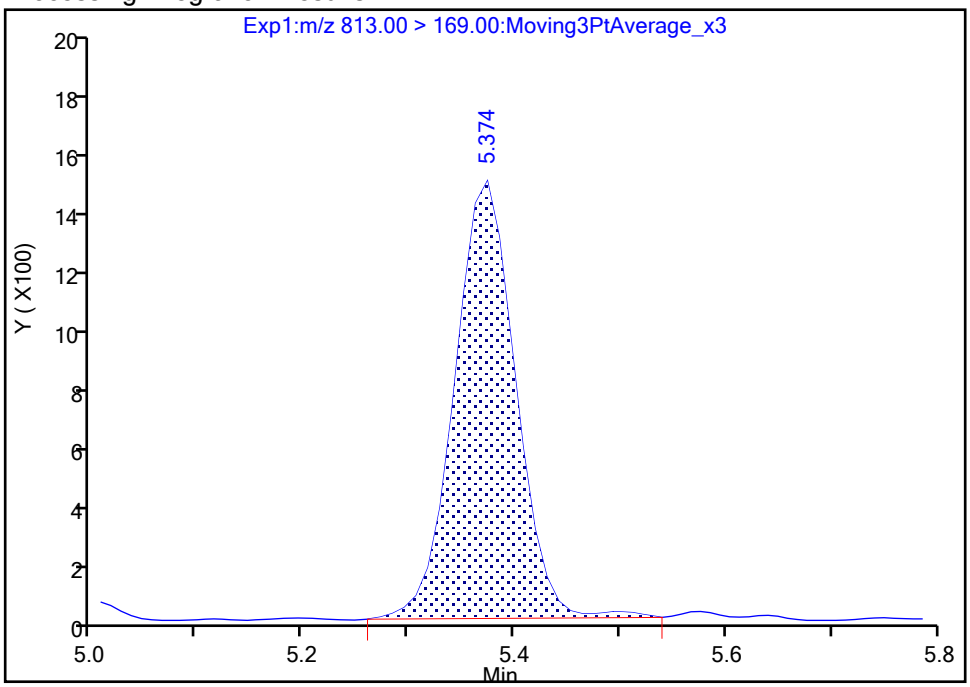
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL008.d				
Injection Date:	22-Dec-2020 12:48:13	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

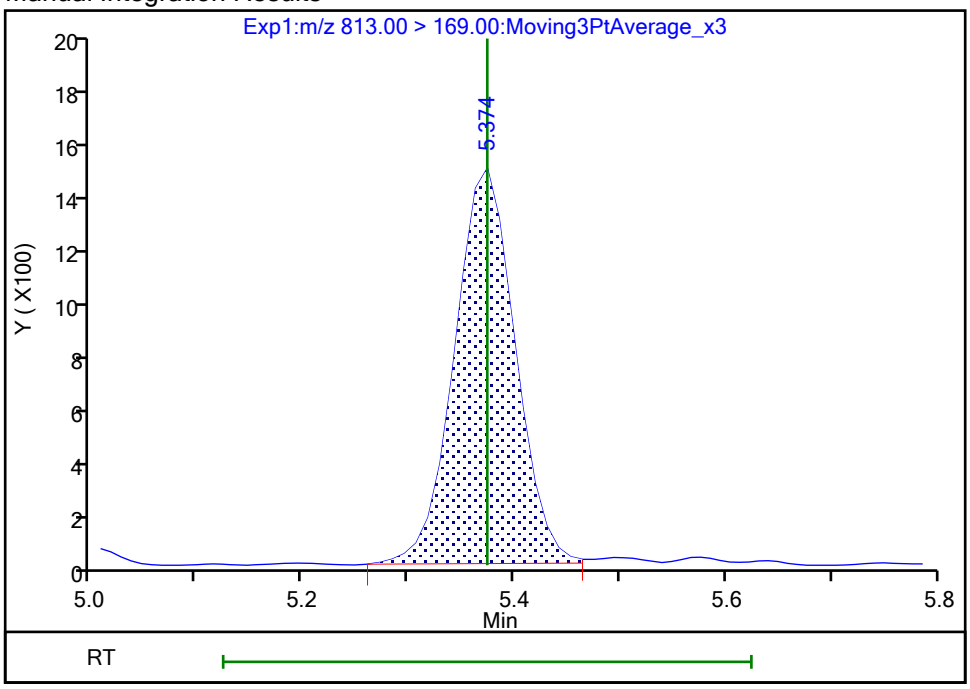
Processing Integration Results

RT: 5.37
Area: 5918
Amount: 0.048807
Amount Units: ng/ml



Manual Integration Results

RT: 5.37
Area: 5860
Amount: 0.048147
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:44:42
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL009.d
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 22-Dec-2020 12:56:31 ALS Bottle#: 3 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 200-0044184-009 Plate: 1 Rack: 1
Operator ID: lc812tech Instrument ID: LC812
Sublist: chrom-PFC_LC812*sub3

Method: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 22-Dec-2020 14:39:23 Calib Date: 22-Dec-2020 13:29:37
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1625

First Level Reviewer: deannd Date: 22-Dec-2020 13:14:51
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.089	2.091	-0.002	0.598	1386458	1.17		93.5	10763	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.089	2.091	-0.002	1.000	118541	0.1067		107	14.5	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.411	2.414	-0.003	0.690	1030251	1.20		96.1	3380	
4 Perfluoropentanoic acid										
262.90 > 219.00	2.411	2.414	-0.003	1.000	99455	0.1090		109	4.0	
D 47 13C3 PFBS										
301.90 > 80.00	2.424	2.427	-0.003	0.694	1277928	1.13		97.4	252272	
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.424	2.427	-0.003	1.000	116878	0.0940	Target=2.21	106	312	
298.90 > 99.00	2.424	2.427	-0.003	1.000	52401		2.23(1.10-3.31)	106	67.4	
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.732	2.735	-0.003	1.000	15740	0.0886		94.9	312	
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.732	2.735	-0.003	0.782	113101	1.20		103	114	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.756	2.771	-0.015	0.789	1097468	1.22		97.7	3242	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.768	2.771	-0.003	1.004	95637	0.0997	Target=12.17	99.7	23.1	
313.00 > 119.00	2.756	2.771	-0.015	1.000	8260		11.58(6.09-18.26)	99.7	14.9	M
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.768	2.771	-0.003	0.884	105420	0.0994	Target=3.32	106	388	
349.00 > 99.00	2.768	2.771	-0.003	0.884	33039		3.19(1.66-4.98)	106	68.2	M
67 Perfluoro(2-propoxypropanoic) ac										M
329.10 > 285.00	2.866	2.881	-0.015	0.996	21331	0.1039		104	2.4	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 64 13C3 HFPO-DA										
332.10 > 287.00	2.878	2.881	-0.003	0.824	185233	1.17		93.7	1519	
D 11 18O2 PFHxS										
403.00 > 84.00	3.132	3.133	-0.001	0.897	956077	1.14		96.3	3982	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.122	3.133	-0.011	0.997	94508	0.0992	Target=4.08	109	112	M
399.00 > 99.00	3.122	3.133	-0.011	0.997	22626		4.18(2.04-6.11)	109	20.2	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.132	3.133	-0.001	0.897	1019298	1.18		94.8	1684	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.132	3.133	-0.001	1.000	99874	0.1121	Target=3.70	112	26.0	M
363.00 > 169.00	3.132	3.133	-0.001	1.000	25333		3.94(1.85-5.56)	112	73.0	
77 DONA										
377.00 > 251.00	3.164	3.176	-0.012	0.832	183369	0.0959	Target=2.47	102	246	
377.00 > 85.00	3.164	3.176	-0.012	0.832	75776		2.42(1.23-3.70)	102	77.5	
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.474	3.484	-0.010	0.913	77228	0.1002	Target=5.85	105	802	
449.00 > 99.00	3.474	3.484	-0.010	0.913	13156		5.87(2.93-8.78)	105	96.8	M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.483	3.484	-0.001	0.997	122975	1.17		98.8	426	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.483	3.484	-0.001	1.000	10738	0.0932		98.3	187	M
D 14 13C4 PFOA										
417.00 > 372.00	3.492	3.493	-0.001	1.000	1101215	1.26		101	3358	
* 62 13C2 PFOA										
415.00 > 370.00	3.492	3.493	-0.001		1103718	1.25			2862	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.492	3.493	-0.001	1.000	98345	0.1030	Target=2.58	103	23.3	
413.00 > 169.00	3.492	3.493	-0.001	1.000	37378		2.63(1.29-3.87)	103	85.8	M
D 18 13C4 PFOS										
503.00 > 80.00	3.804	3.806	-0.002	1.089	682230	1.18		99.0	1801	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.804	3.806	-0.002	1.000	64913	0.0989	Target=5.56	107	101	M
499.00 > 99.00	3.804	3.806	-0.002	1.000	11330		5.73(2.78-8.34)	107	48.4	M
D 19 13C5 PFNA										
468.00 > 423.00	3.825	3.826	-0.001	1.095	964938	1.25		100	2839	
20 Perfluorononanoic acid										
463.00 > 419.00	3.825	3.826	-0.001	1.000	87340	0.1022	Target=6.87	102	14.1	
463.00 > 169.00	3.825	3.826	-0.001	1.000	12785		6.83(3.43-10.30)	102	160	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.964	3.967	-0.003	1.042	66060	0.0902		96.8	406	
68 Perfluorononanesulfonic acid										M
549.00 > 80.00	4.093	4.095	-0.002	1.076	49994	0.1021	Target=2.78	106	545	
549.00 > 99.00	4.093	4.095	-0.002	1.076	17680		2.83(1.39-4.17)	106	50.1	M
D 23 13C2 PFDA										
515.00 > 470.00	4.115	4.129	-0.014	1.178	926205	1.26		101	5089	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										
513.00 > 469.00	4.126	4.129	-0.003	1.003	77566	0.1016	Target=9.03	102	57.4	
513.00 > 169.00	4.126	4.129	-0.003	1.003	7425		10.45(4.51-13.54)	102	62.2	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.126	4.140	-0.014	1.000	7849	0.1100		115	208	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.126	4.140	-0.014	1.182	125650	1.16		97.0	549	
D 21 13C8 FOSA										
506.00 > 78.00	4.205	4.207	-0.002	1.204	1350960	1.25		99.8	3463	
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.205	4.207	-0.002	1.000	113239	0.1046		105	482	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.257	4.272	-0.015	1.219	69887	1.31		105	615	
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.268	4.272	-0.004	1.003	5218	0.1053		105	32.7	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.358	4.362	-0.004	1.146	38256	0.0980	Target=2.76	102	327	
599.00 > 99.00	4.358	4.362	-0.004	1.146	13445		2.85(1.38-4.14)	102	58.5	
D 30 13C2 PFUnA										
565.00 > 520.00	4.391	4.384	0.007	1.257	753171	1.24		99.5	3341	
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.391	4.395	-0.004	1.000	64357	0.1047	Target=8.02	105	26.8	
563.00 > 169.00	4.391	4.395	-0.004	1.000	7377		8.72(4.01-12.03)	105	119	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.391	4.395	-0.004	1.257	66544	1.29		103	433	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.402	4.406	-0.004	1.003	4802	0.0974		97.4	108	M
66 11-Chloroeicosafluoro-3-oxaundec										
631.00 > 451.00	4.480	4.485	-0.005	1.178	70930	0.0933		99.1	820	
D 36 13C2 PFDoA										
615.00 > 570.00	4.622	4.626	-0.004	1.323	777582	1.22		97.3	2674	
37 Perfluorododecanoic acid										
613.00 > 569.00	4.622	4.626	-0.004	1.000	72835	0.1065	Target=6.85	106	20.2	
613.00 > 169.00	4.622	4.626	-0.004	1.000	10752		6.77(3.42-10.27)	106	245	
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.632	4.637	-0.005	1.123	3634	0.0989		103	126	
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.792	4.797	-0.005	1.260	14504	0.1009	Target=0.53	104	41.0	
699.00 > 99.00	4.792	4.797	-0.005	1.260	28153		0.52(0.26-0.79)	104	181	
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.834	4.839	-0.005	1.046	56462	0.1017	Target=4.48	102	18.4	
663.00 > 169.00	4.822	4.839	-0.017	1.043	12265		4.60(2.24-6.72)	102	220	
D 43 13C2 PFTeDA										
715.00 > 670.00	5.024	5.027	-0.003	1.439	598063	1.27		101	5734	
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.024	5.027	-0.003	1.000	8395	0.0946	Target=0.99	94.6	246	
713.00 > 219.00	5.014	5.027	-0.013	0.998	8166		1.03(0.50-1.49)	94.6	233	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 44 13C2 PFHxDA										
815.00 > 770.00	5.372	5.374	-0.002	1.538	635237	1.26		101	1942	
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.372	5.374	-0.002	1.000	55625	0.1023	Target=4.02	102	14.4	
813.00 > 169.00	5.372	5.374	-0.002	1.000	13256		4.20(2.01-6.02)	102	365	
46 Perfluorooctadecanoic acid										
913.00 > 869.00	5.720	5.722	-0.002	1.065	45299	0.0991	Target=3.88	99.1	29.9	
913.00 > 169.00	5.711	5.722	-0.011	1.063	11915		3.80(1.94-5.82)	99.1	261	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

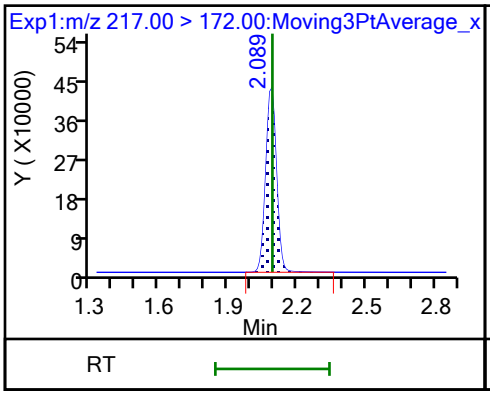
PFAS32NCIC2_00006 Amount Added: 100.00 Units: uL

Report Date: 22-Dec-2020 14:39:24 Chrom Revision: 2.3 09-Dec-2020 16:22:14

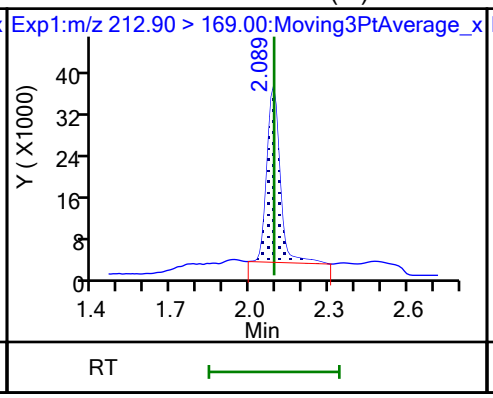
Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL009.d
Injection Date: 22-Dec-2020 12:56:31 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL

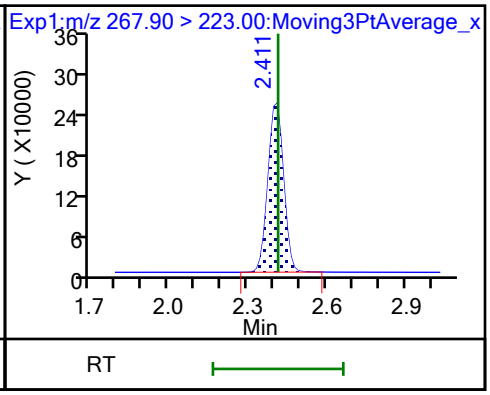
D 1 13C4 PFBA



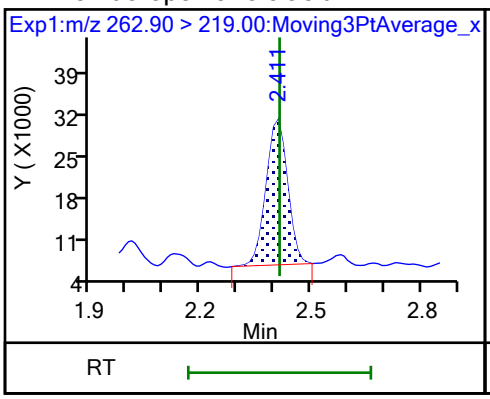
2 Perfluorobutanoic acid (M)



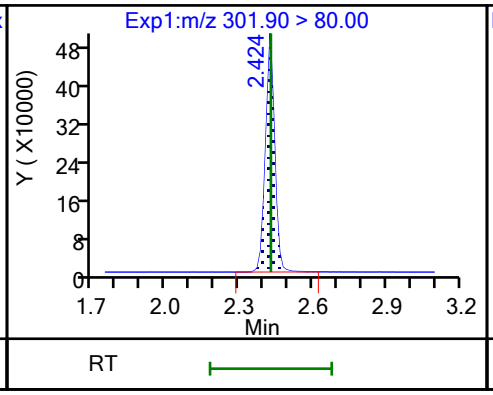
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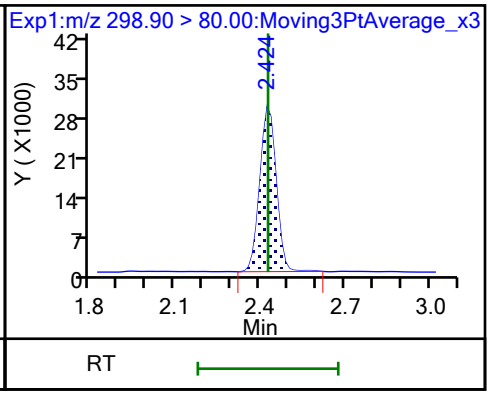
4 Perfluoropentanoic acid



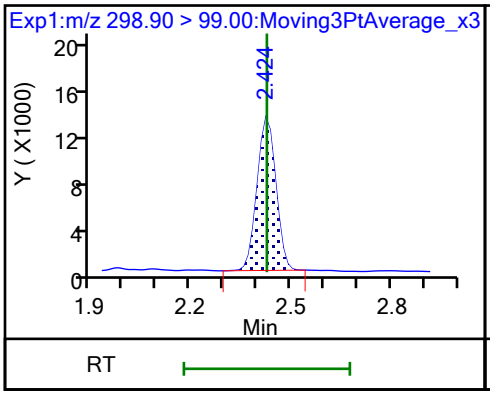
D 47 13C3 PFBS



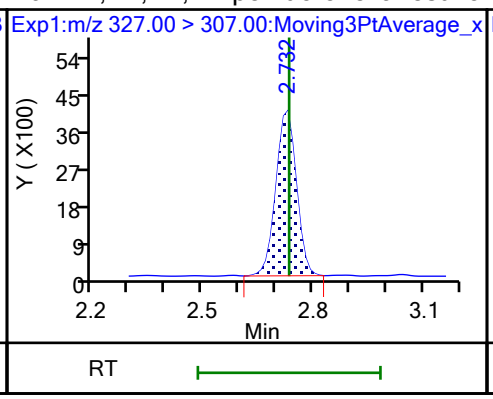
5 Perfluorobutanesulfonic acid



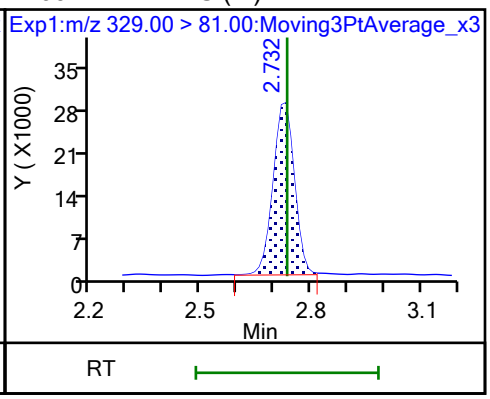
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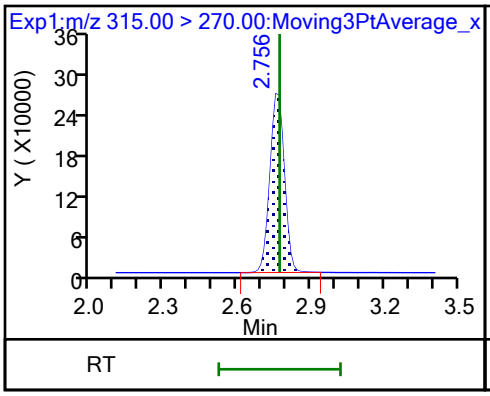
61 1H,1H,2H,2H-perfluorohexanesulfo



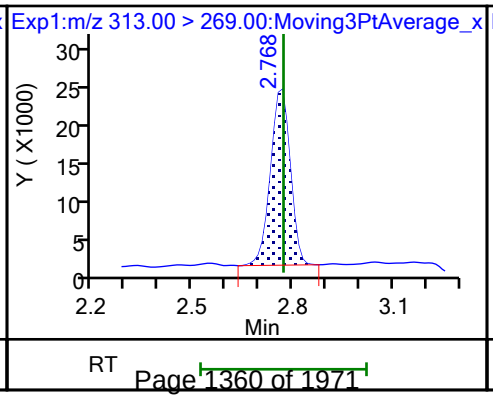
D 60 M2-4:2 FTS (M)



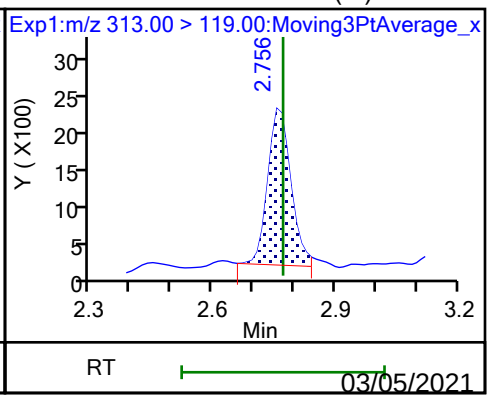
D 7 13C2 PFHxA



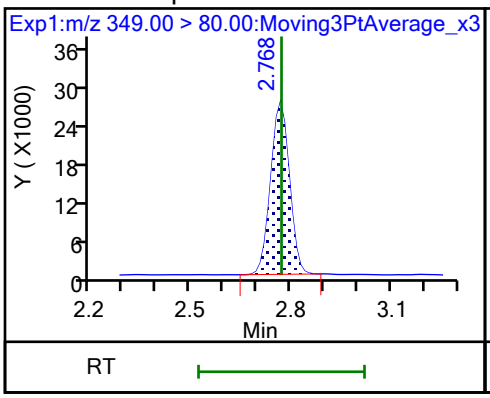
6 Perfluorohexanoic acid



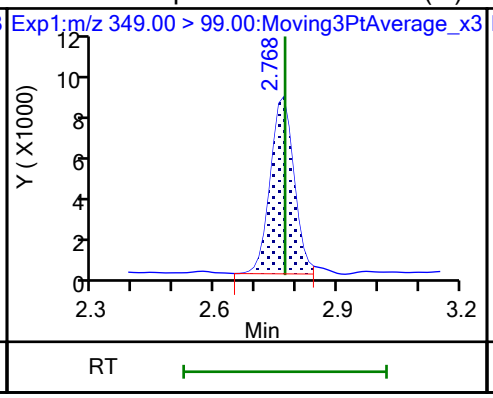
6 Perfluorohexanoic acid (M)



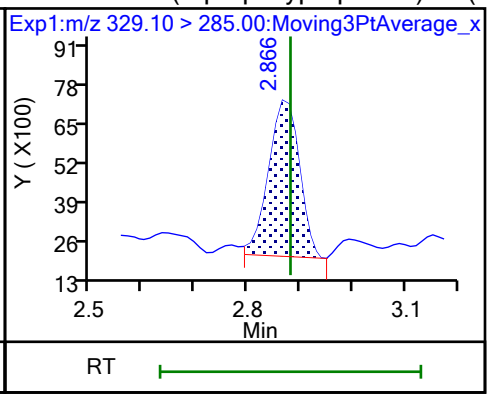
70 Perfluoropentanesulfonic acid



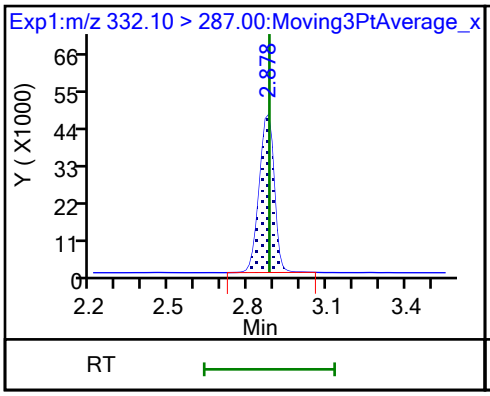
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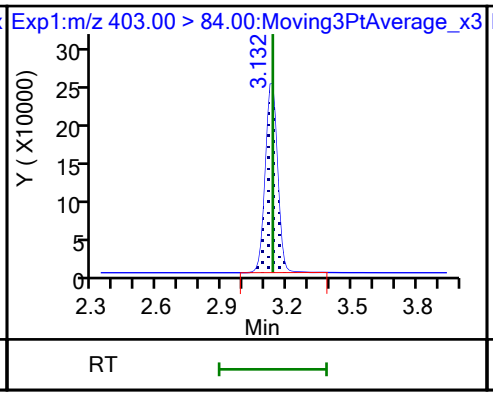
67 Perfluoro(2-propoxypropanoic) ac (M)



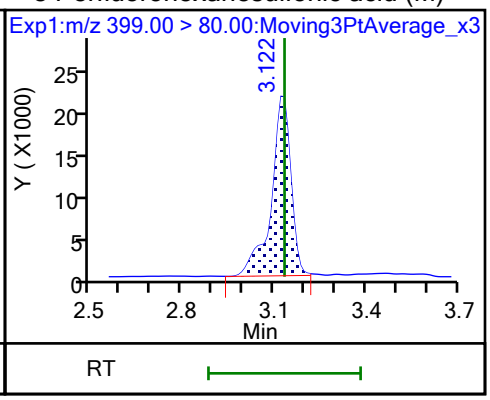
D 64 13C3 HFPO-DA



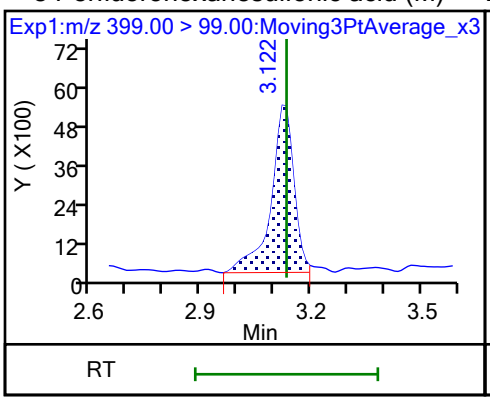
D 11 18O2 PFHxS



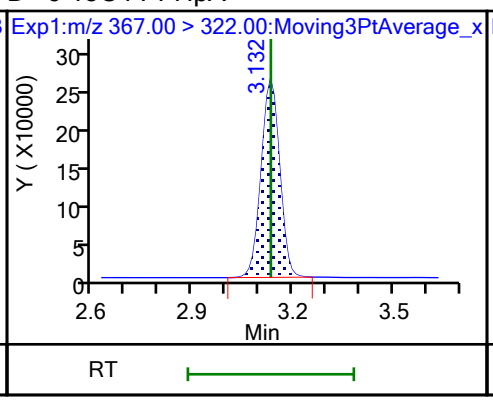
8 Perfluorohexanesulfonic acid (M)



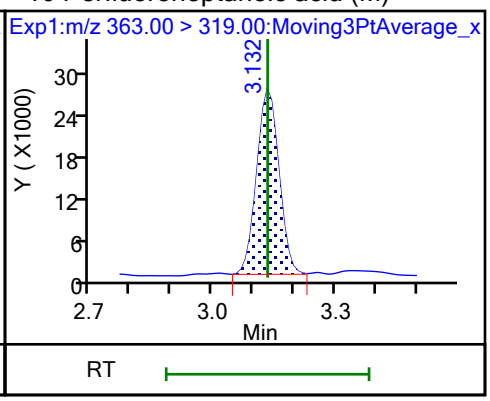
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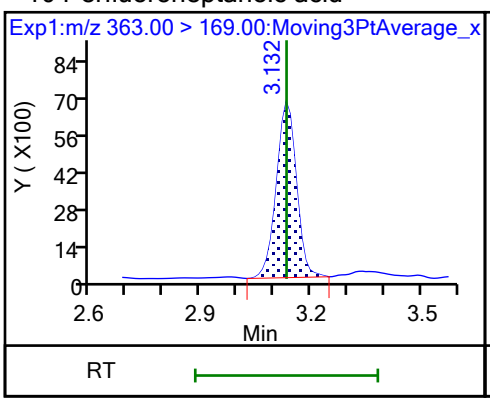
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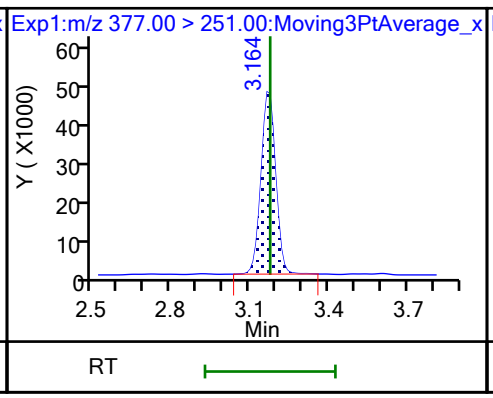
10 Perfluoroheptanoic acid (M)



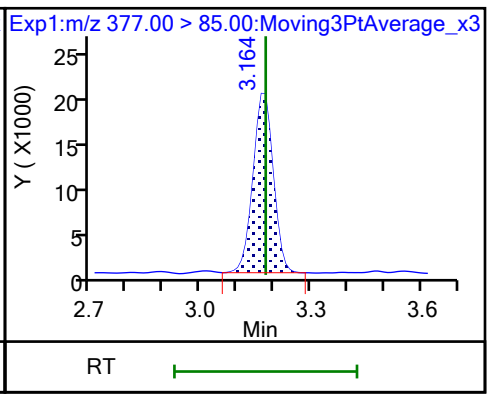
10 Perfluoroheptanoic acid



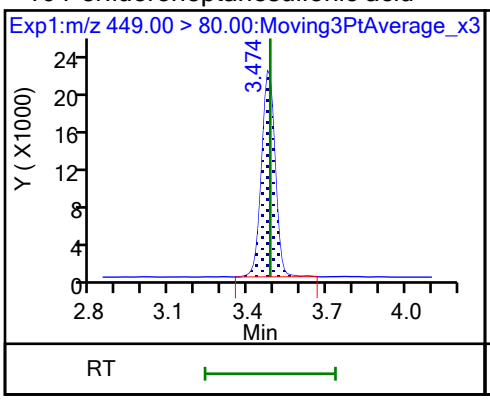
77 DONA



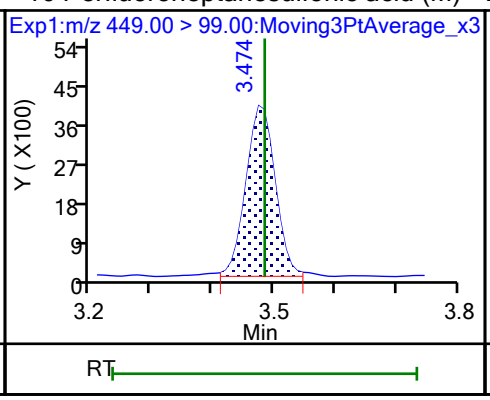
77 DONA



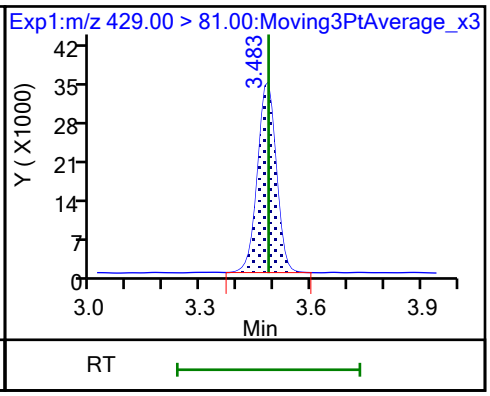
16 Perfluoroheptanesulfonic acid



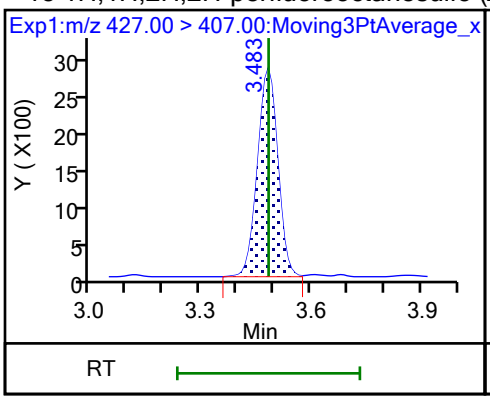
16 Perfluoroheptanesulfonic acid (M)



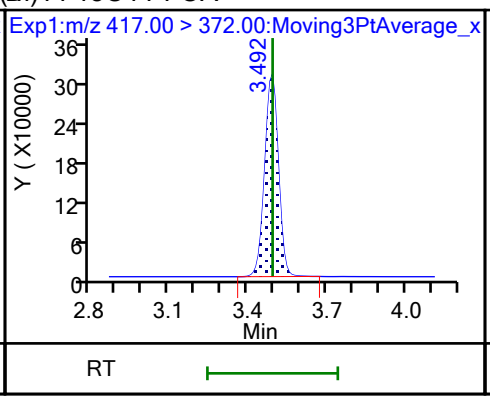
D 12 M2-6:2 FTS



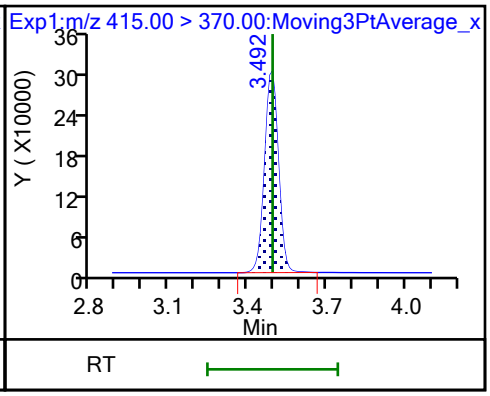
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



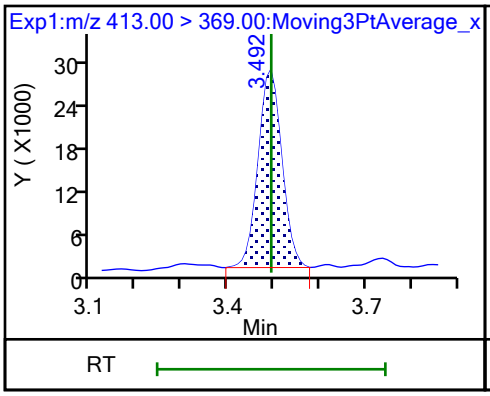
D 14 13C4 PFOA



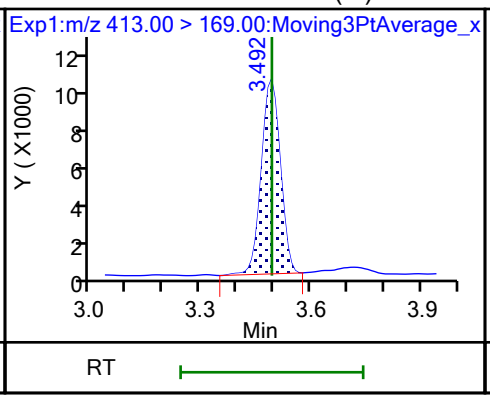
* 62 13C2 PFOA



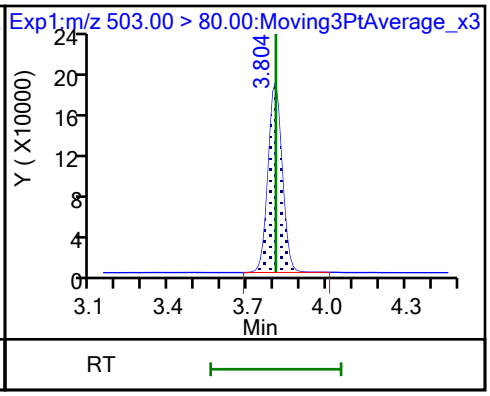
15 Perfluorooctanoic acid



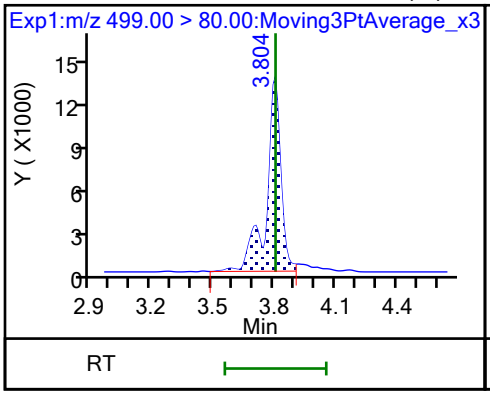
15 Perfluorooctanoic acid (M)



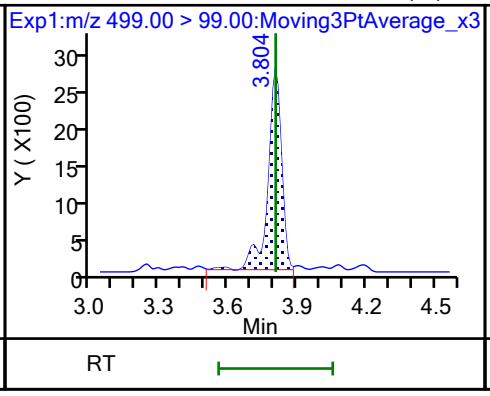
D 18 13C4 PFOS



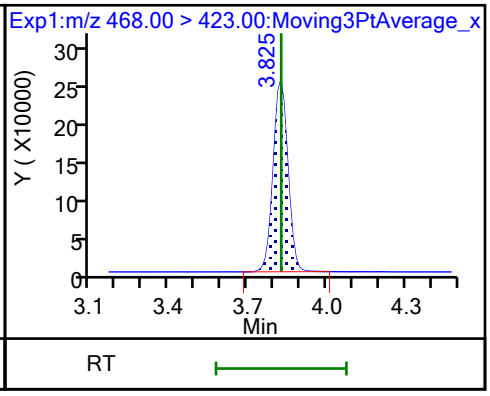
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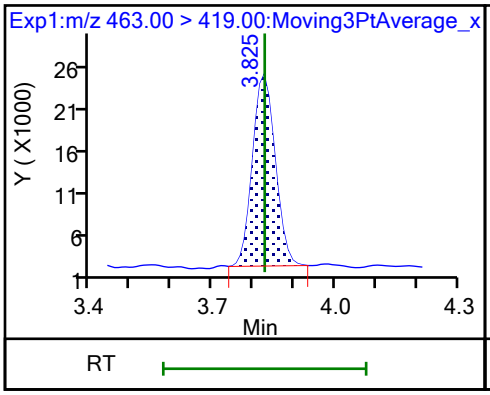
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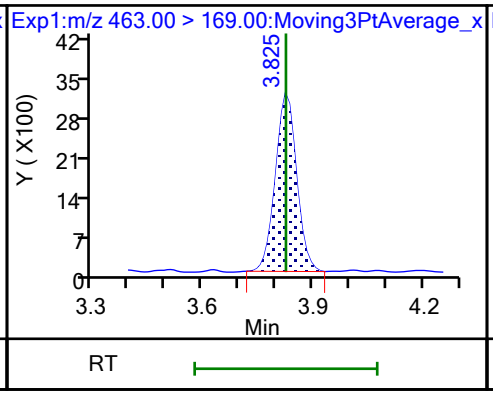
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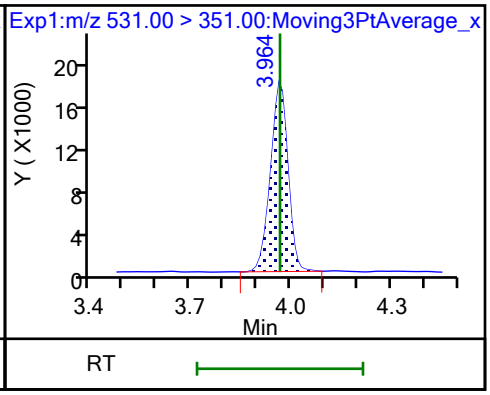
20 Perfluorononanoic acid



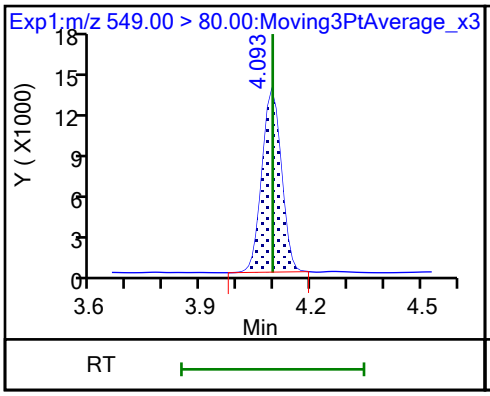
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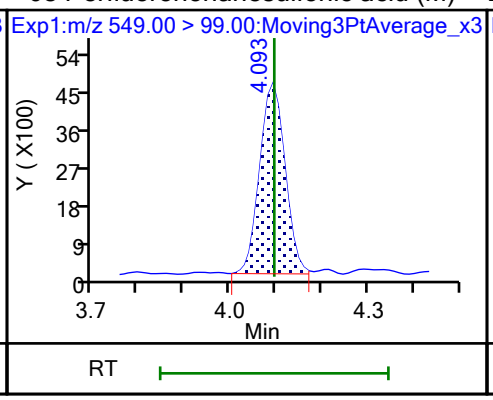
69 9-Chlorohexadecafluoro-3-oxanona



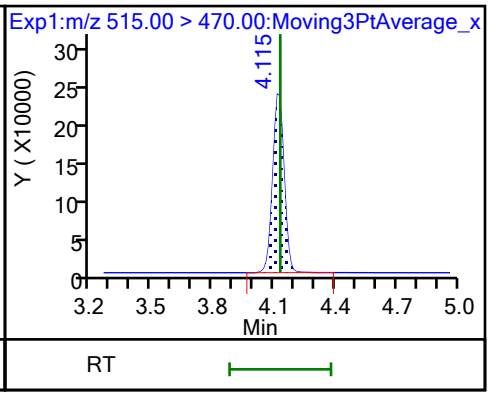
68 Perfluorononanesulfonic acid



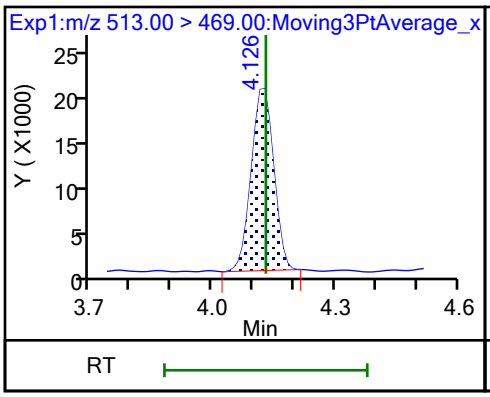
68 Perfluorononanesulfonic acid (M)



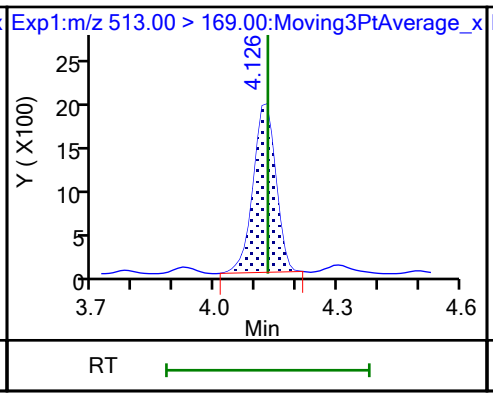
D 23 13C2 PFDA



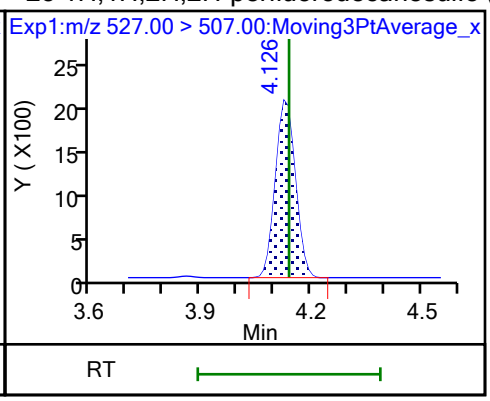
24 Perfluorodecanoic acid



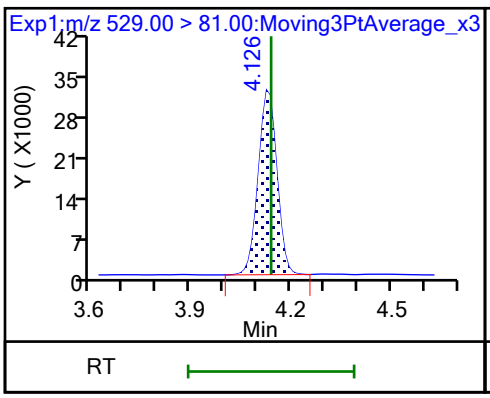
24 Perfluorodecanoic acid



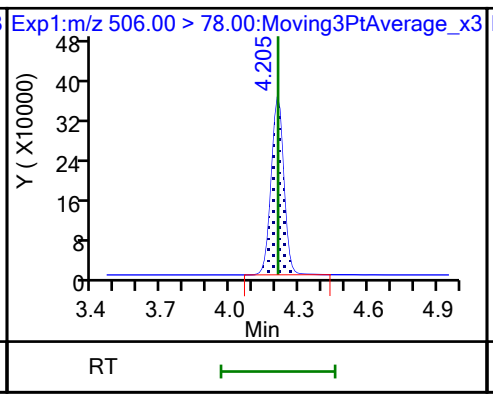
25 1H,1H,2H,2H-perfluorodecanesulfo (M)



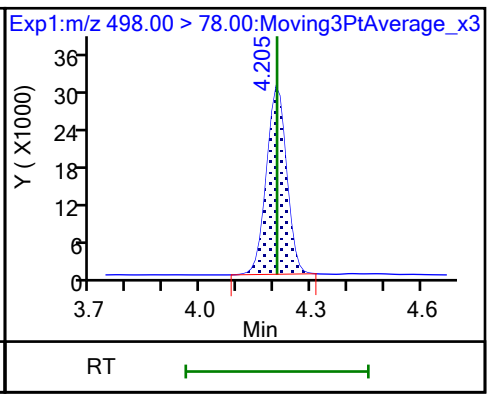
D 26 M2-8:2 FTS



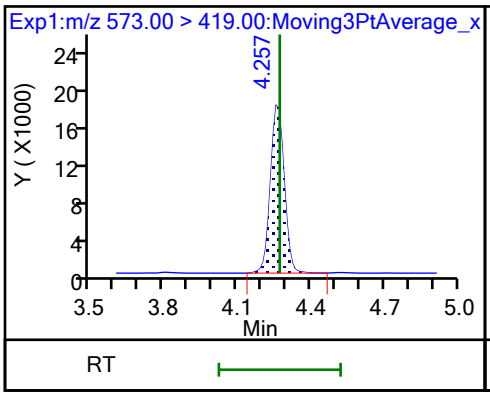
D 21 13C8 FOSA



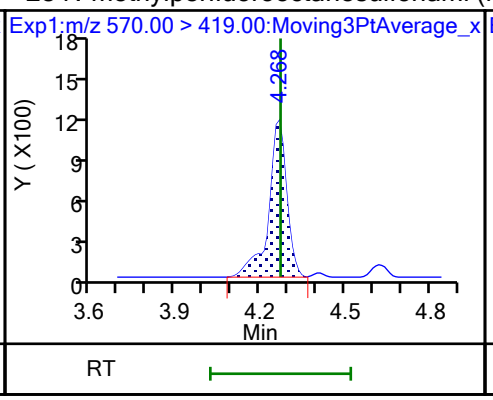
22 Perfluorooctanesulfonamide



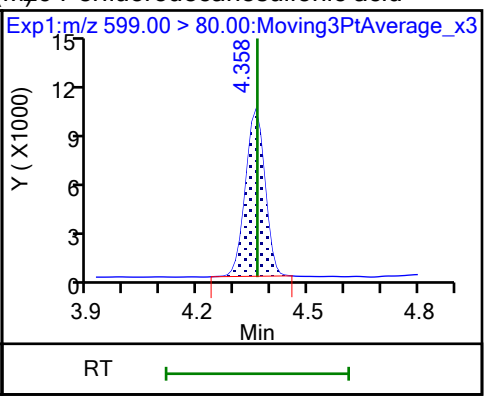
D 27 d3-NMeFOSAA



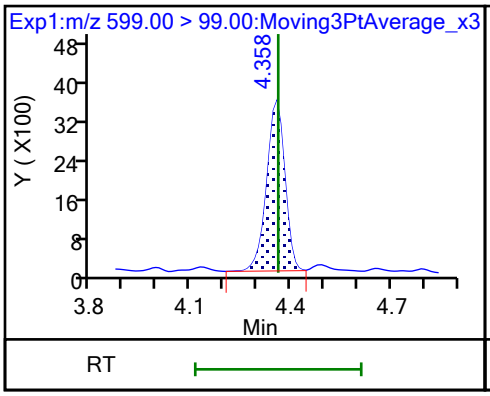
28 N-methylperfluorooctanesulfonami (M)



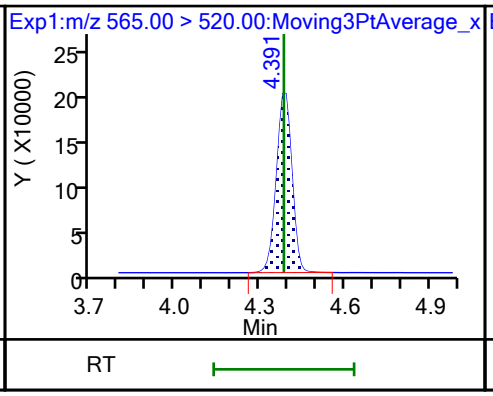
29 Perfluorodecanesulfonic acid



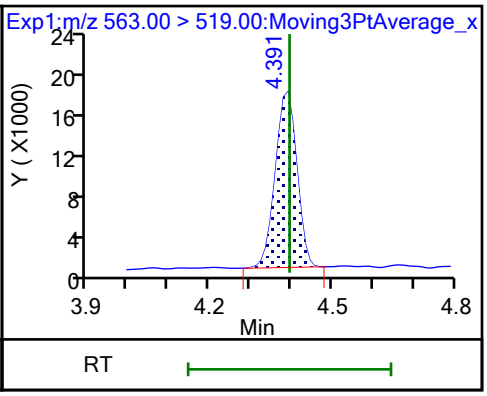
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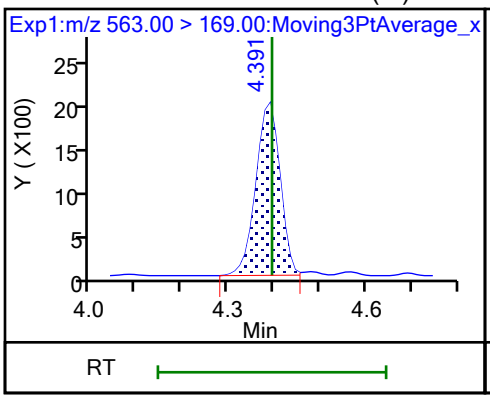
D 30 13C2 PFUnA



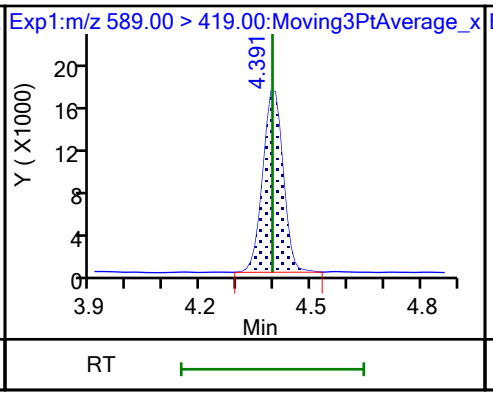
31 Perfluoroundecanoic acid



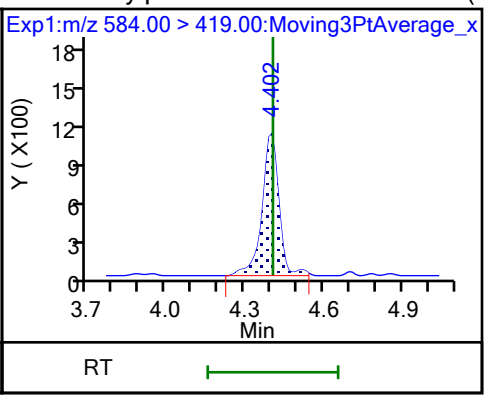
31 Perfluoroundecanoic acid (M)



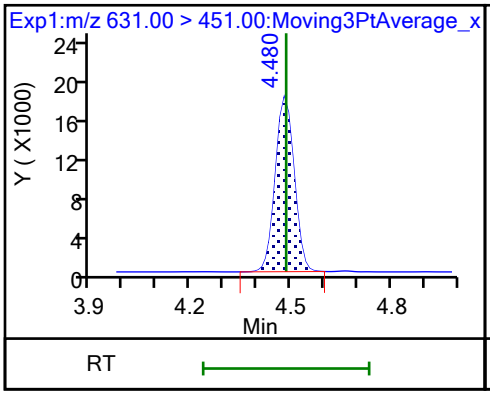
D 32 d5-NEtFOSAA



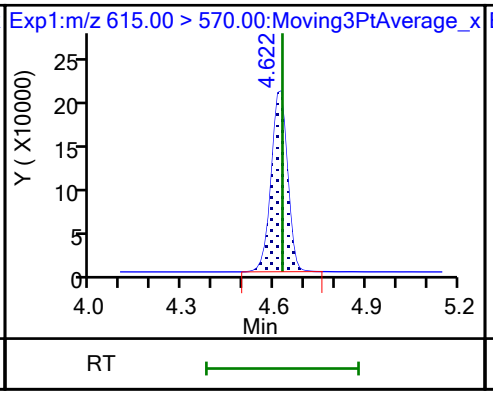
33 N-ethylperfluorooctanesulfonamid (M)



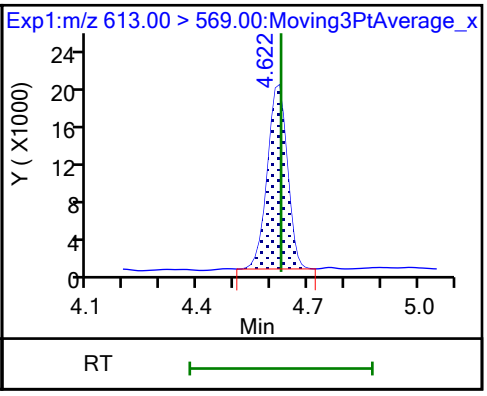
66 11-Chloroeicosafluoro-3-oxaundec



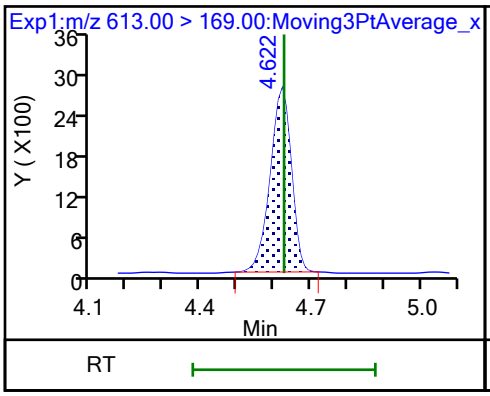
D 36 13C2 PFDoA



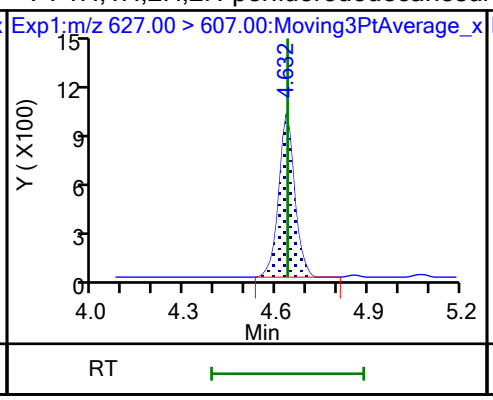
37 Perfluorododecanoic acid



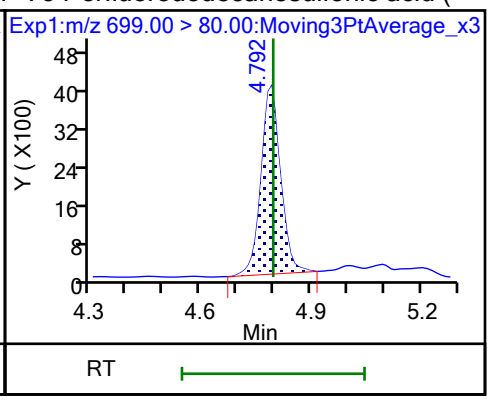
37 Perfluorododecanoic acid



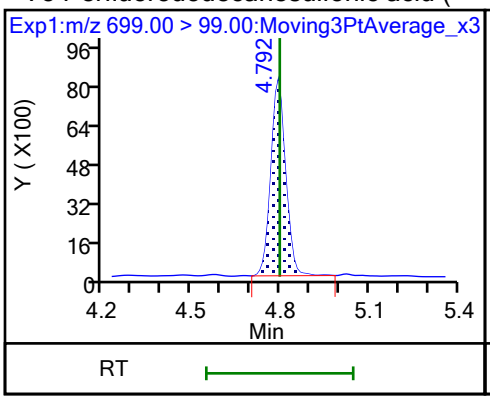
74 1H,1H,2H,2H-perfluorododecanesul



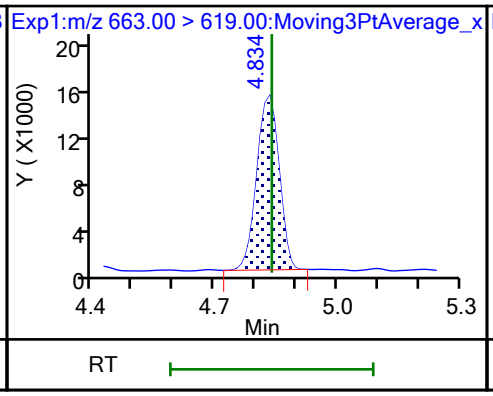
75 Perfluorododecanesulfonic acid (



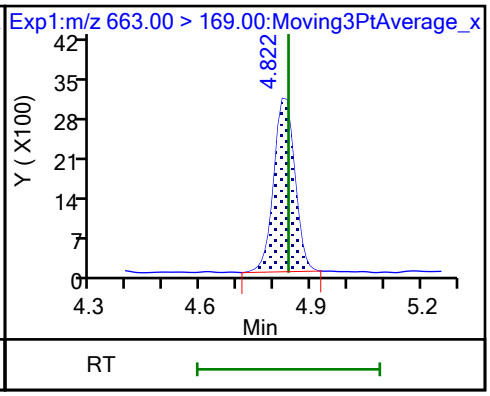
75 Perfluorododecanesulfonic acid (



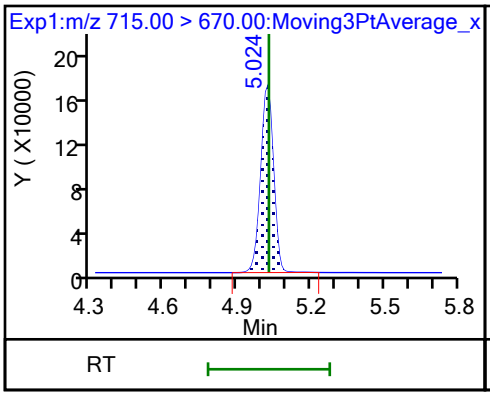
41 Perfluorotridecanoic acid



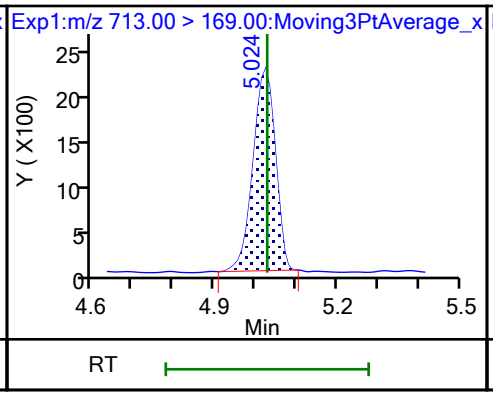
41 Perfluorotridecanoic acid



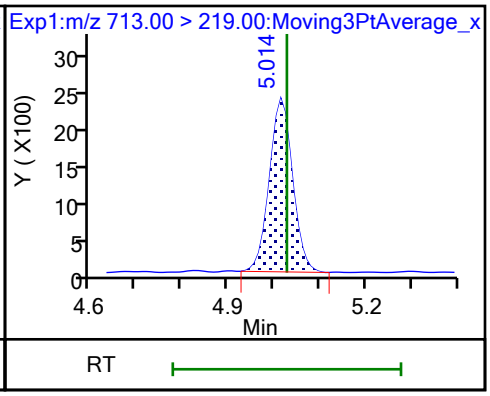
D 43 13C2 PFTeDA



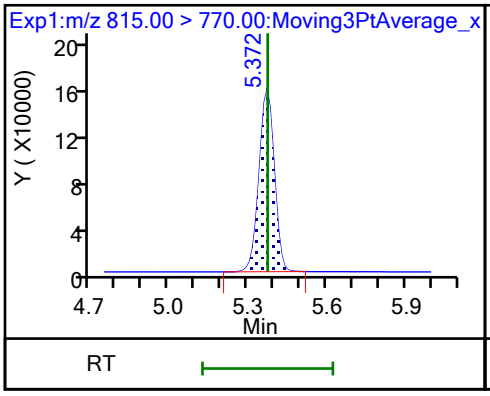
42 Perfluorotetradecanoic acid



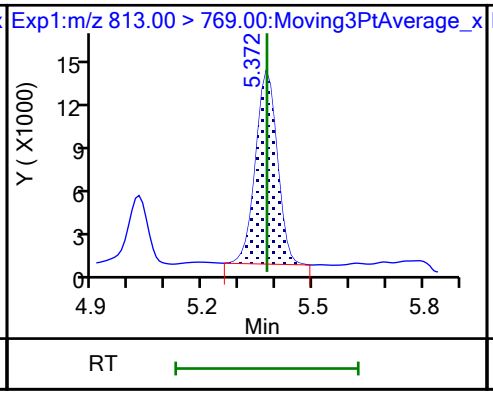
42 Perfluorotetradecanoic acid



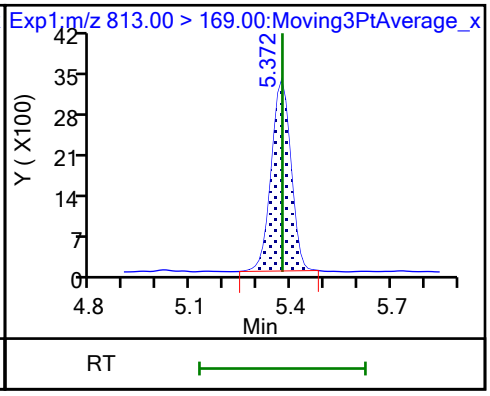
D 44 13C2 PFHxDA



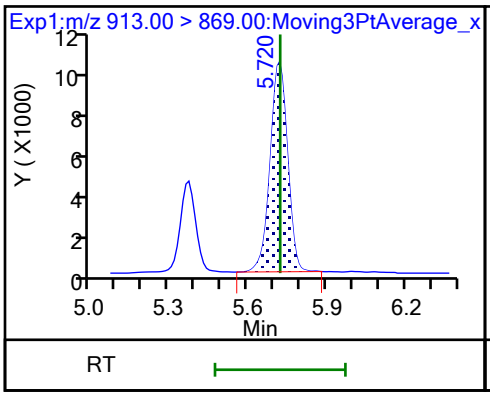
45 Perfluorohexadecanoic acid



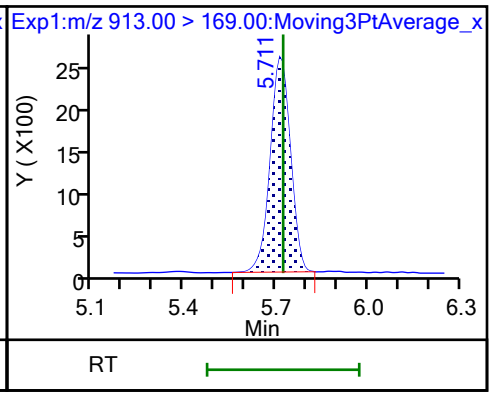
45 Perfluorohexadecanoic acid



46 Perfluorooctadecanoic acid



46 Perfluorooctadecanoic acid



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

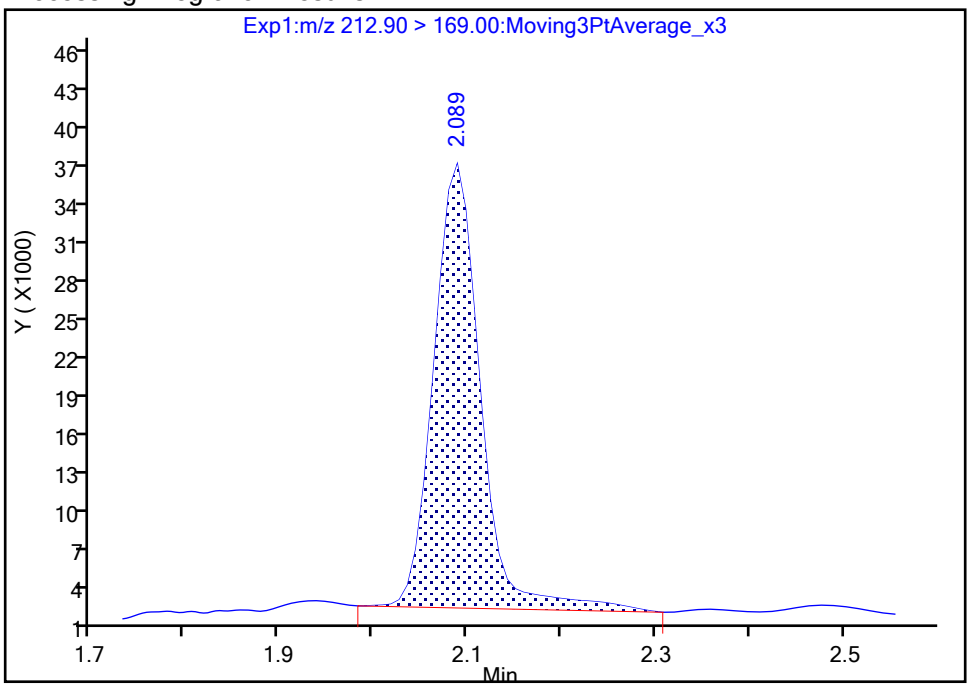
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL009.d				
Injection Date:	22-Dec-2020 12:56:31	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

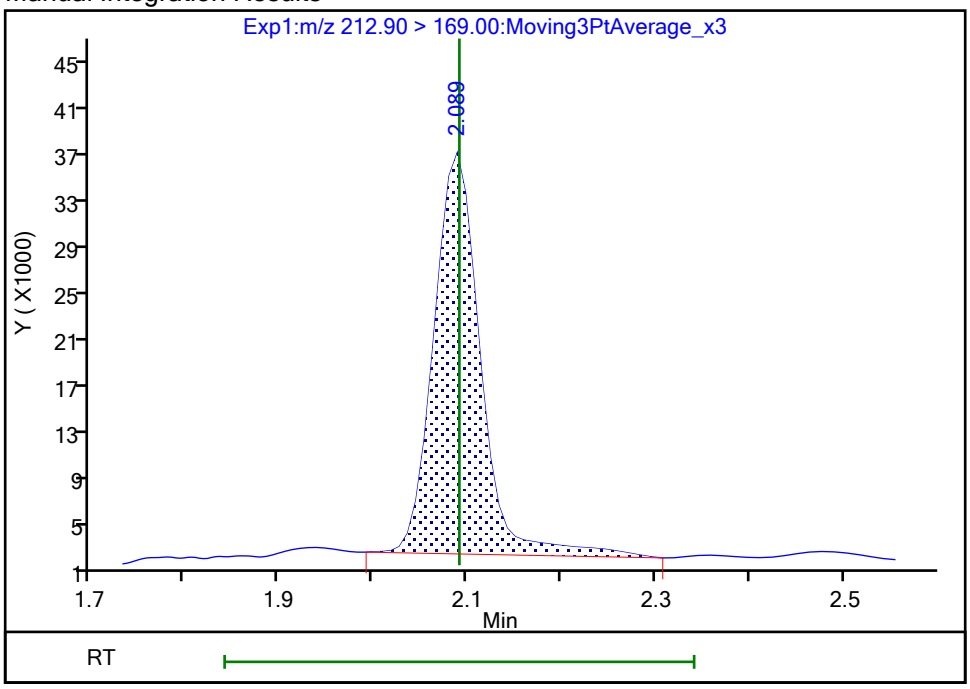
Processing Integration Results

RT: 2.09
Area: 118682
Amount: 0.101454
Amount Units: ng/ml



Manual Integration Results

RT: 2.09
Area: 118541
Amount: 0.106660
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 14:33:53

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

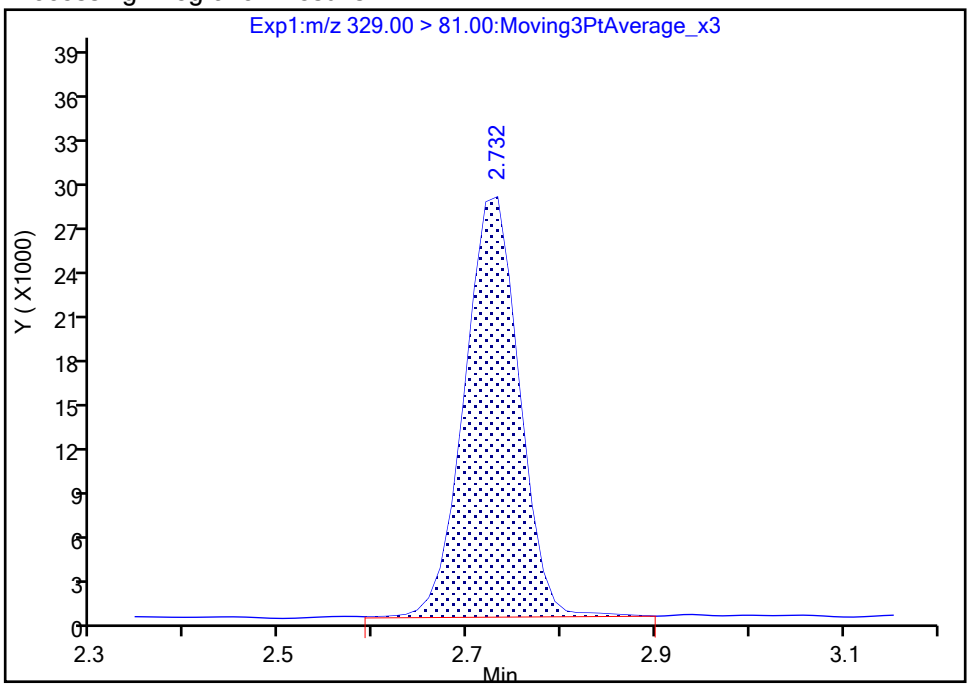
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Injection Date:	22-Dec-2020 12:56:31	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 60 M2-4:2 FTS, CAS: STL02395

Signal: 1

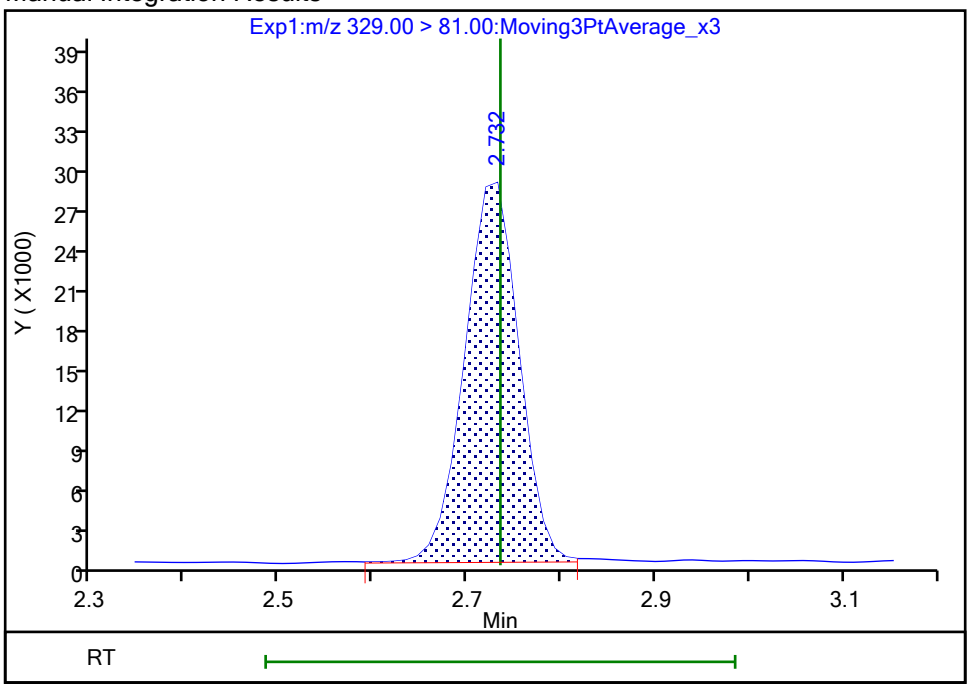
Processing Integration Results

RT: 2.73
Area: 113766
Amount: 1.212479
Amount Units: ng/ml



Manual Integration Results

RT: 2.73
Area: 113101
Amount: 1.201509
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:50:31

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

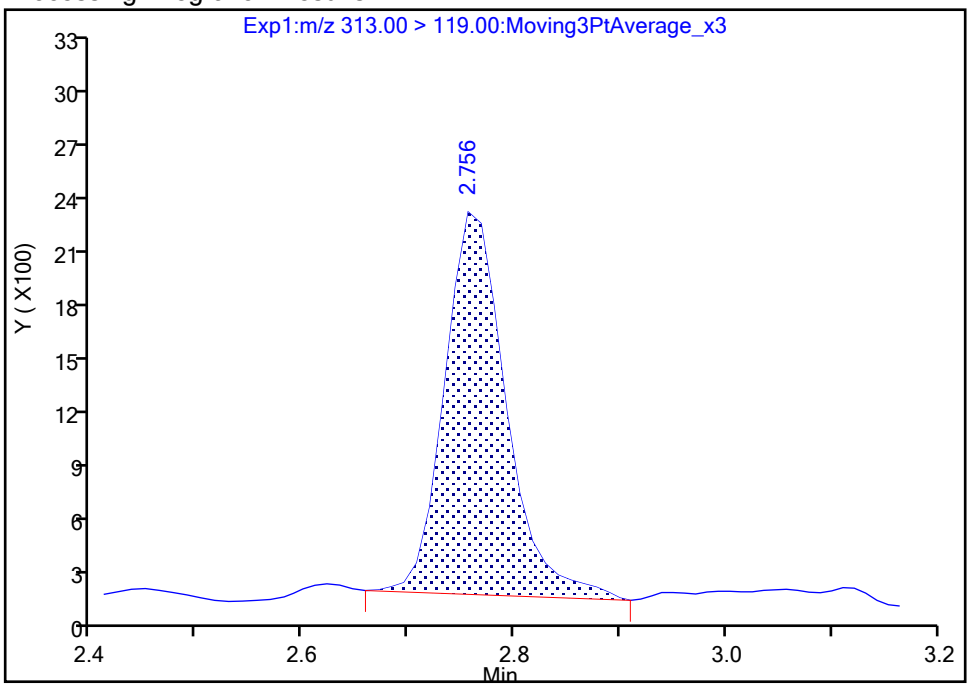
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL009.d
Injection Date: 22-Dec-2020 12:56:31 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

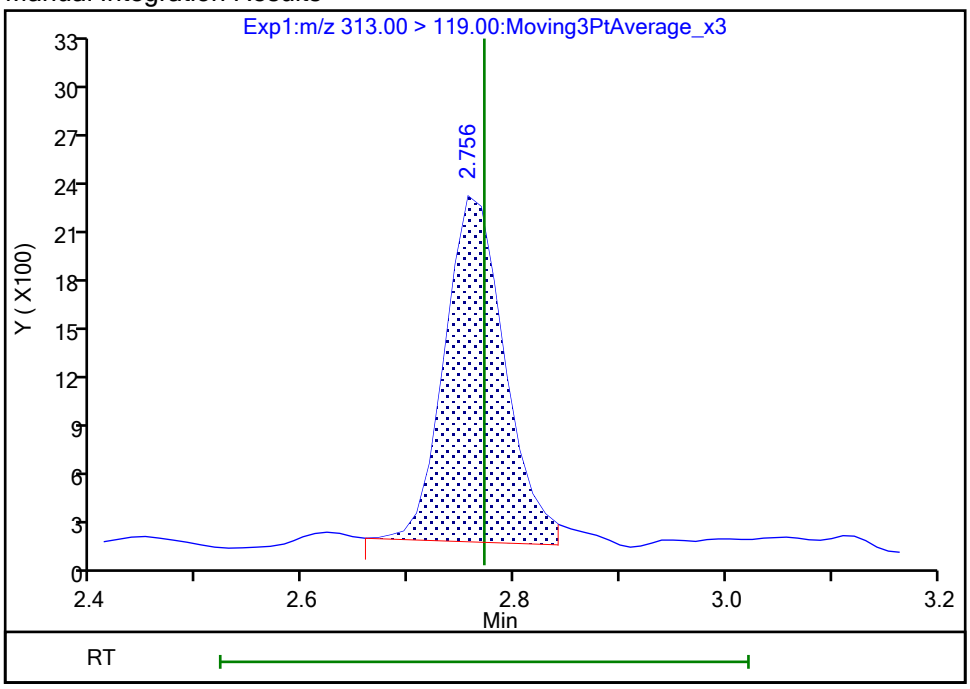
Processing Integration Results

RT: 2.76
Area: 8512
Amount: 0.094868
Amount Units: ng/ml



Manual Integration Results

RT: 2.76
Area: 8260
Amount: 0.099711
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:50:22
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

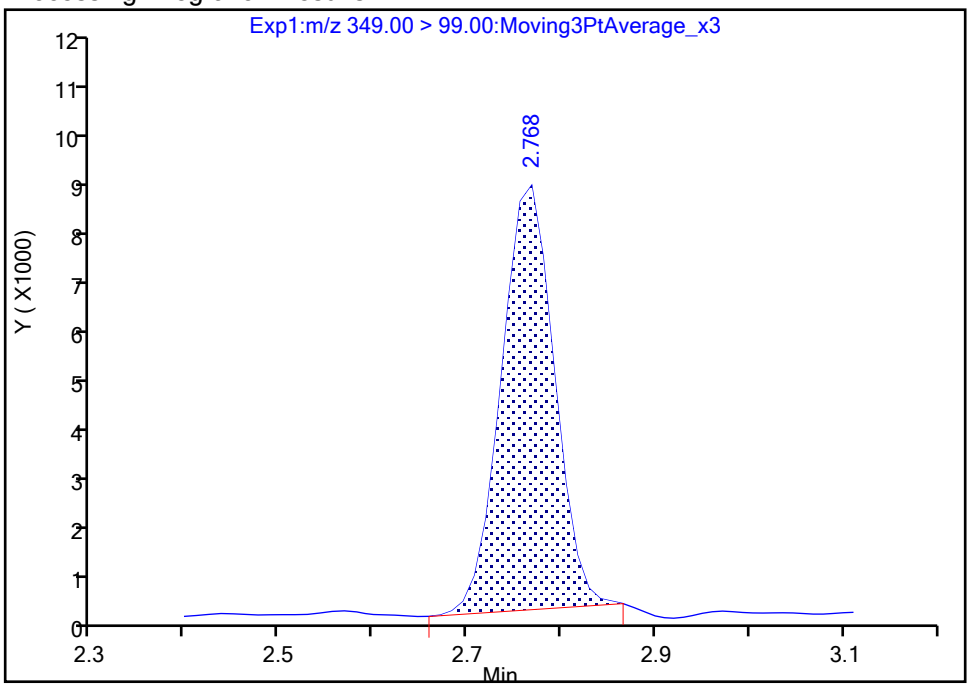
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL009.d				
Injection Date:	22-Dec-2020 12:56:31	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 2

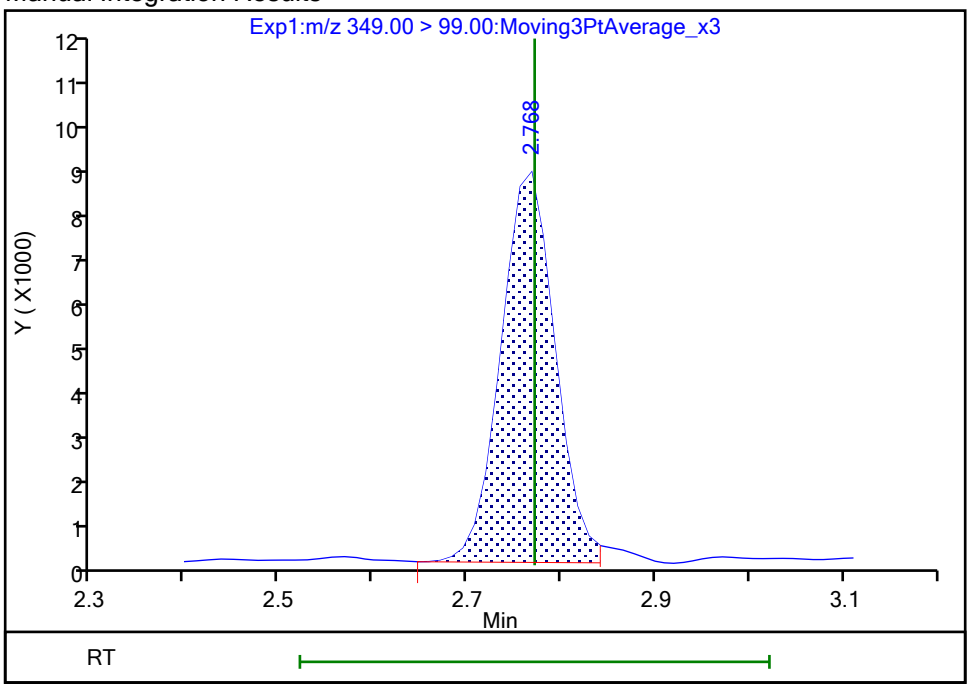
Processing Integration Results

RT: 2.77
Area: 31806
Amount: 0.097860
Amount Units: ng/ml



Manual Integration Results

RT: 2.77
Area: 33039
Amount: 0.099355
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:50:13
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

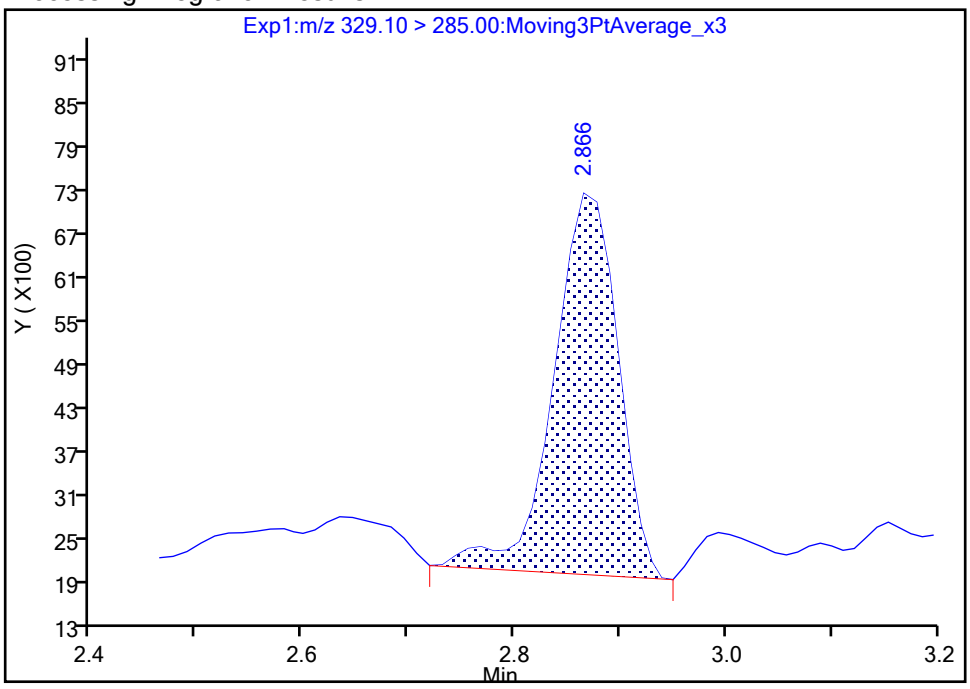
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL009.d
Injection Date: 22-Dec-2020 12:56:31 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

67 Perfluoro(2-propoxypropanoic) ac, CAS: 13252-13-6

Signal: 1

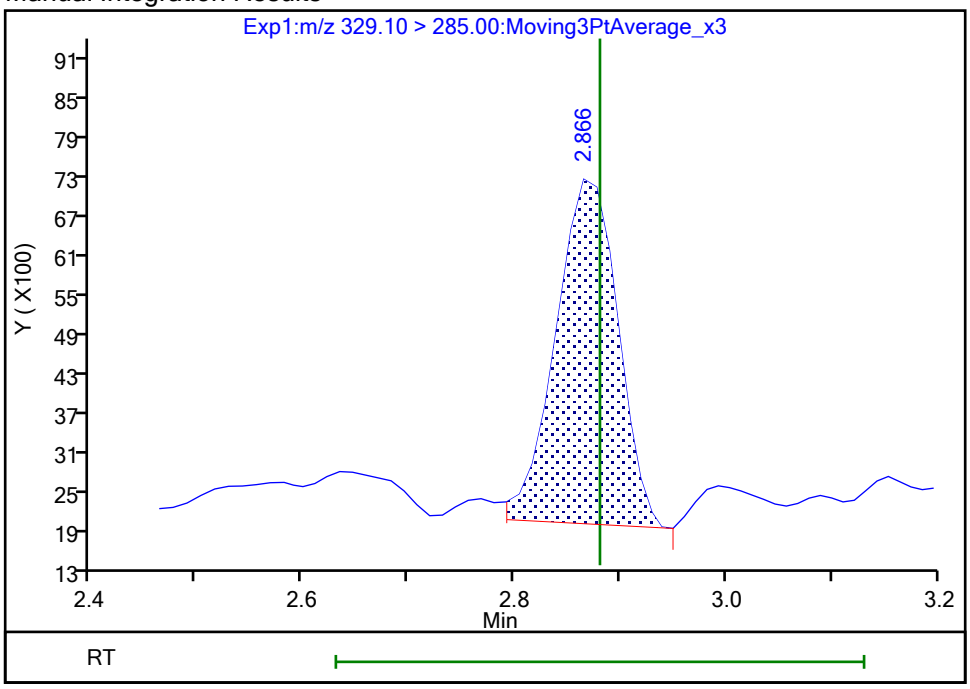
Processing Integration Results

RT: 2.87
Area: 22157
Amount: 0.102844
Amount Units: ng/ml



Manual Integration Results

RT: 2.87
Area: 21331
Amount: 0.103904
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:49:59
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

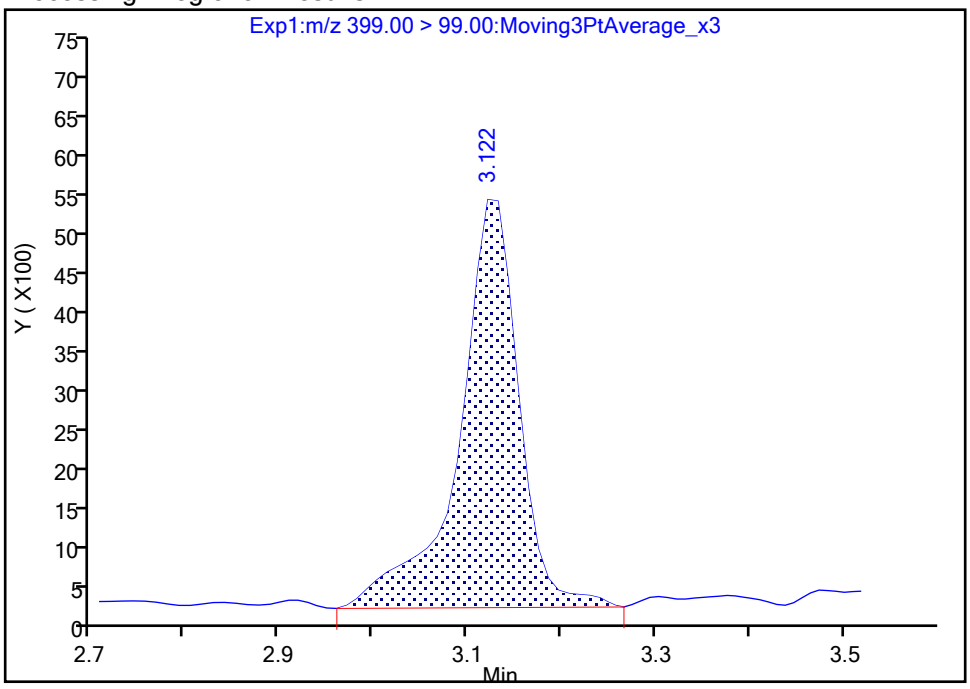
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL009.d				
Injection Date:	22-Dec-2020 12:56:31	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

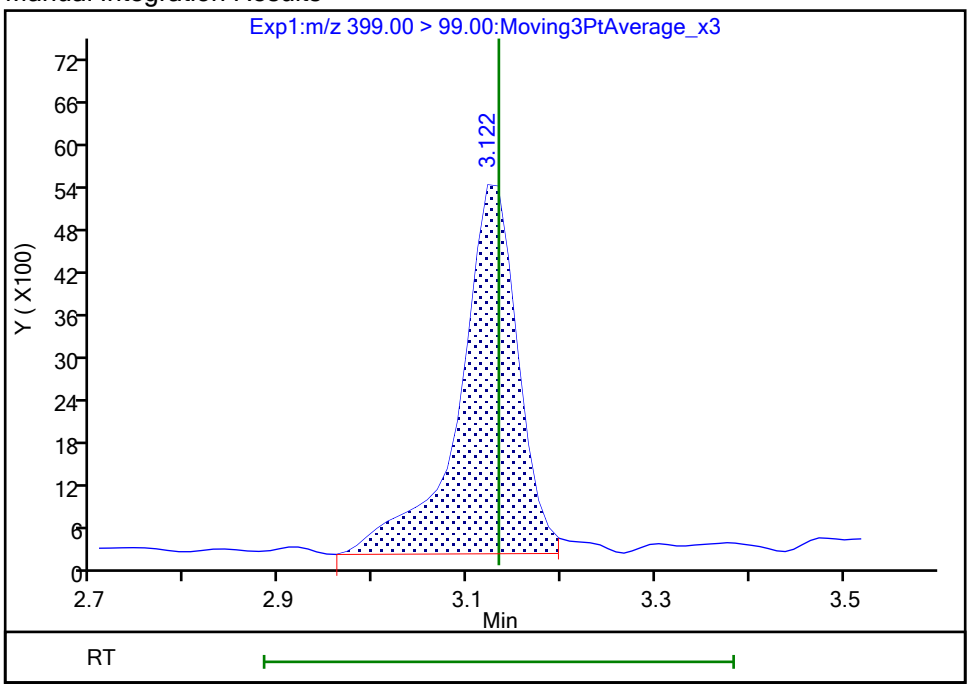
Processing Integration Results

RT: 3.12
Area: 23122
Amount: 0.095239
Amount Units: ng/ml



Manual Integration Results

RT: 3.12
Area: 22626
Amount: 0.099187
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:49:48
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

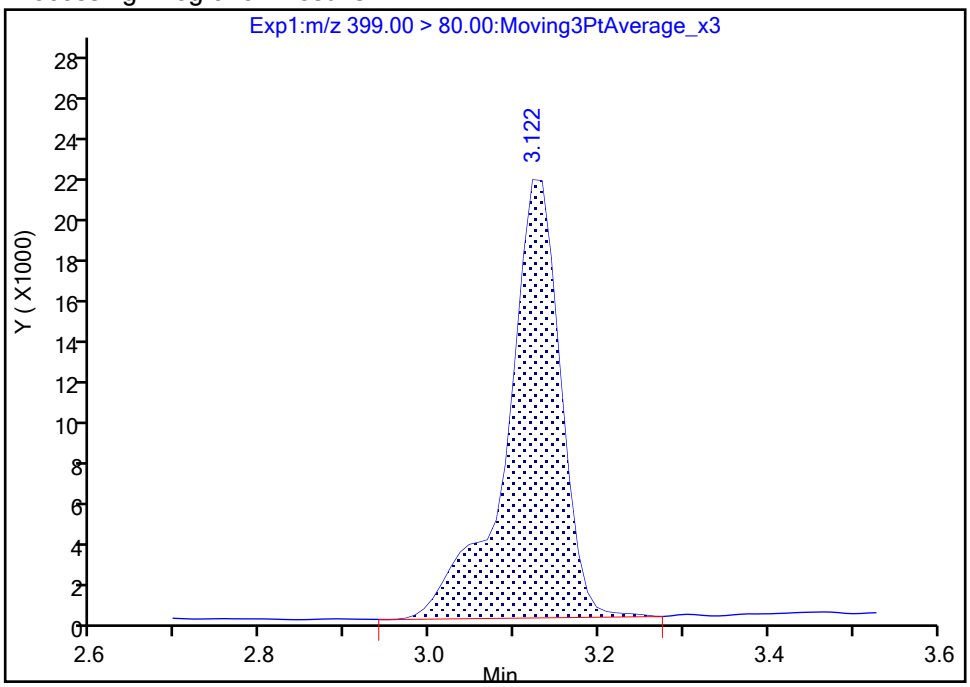
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL009.d				
Injection Date:	22-Dec-2020 12:56:31	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

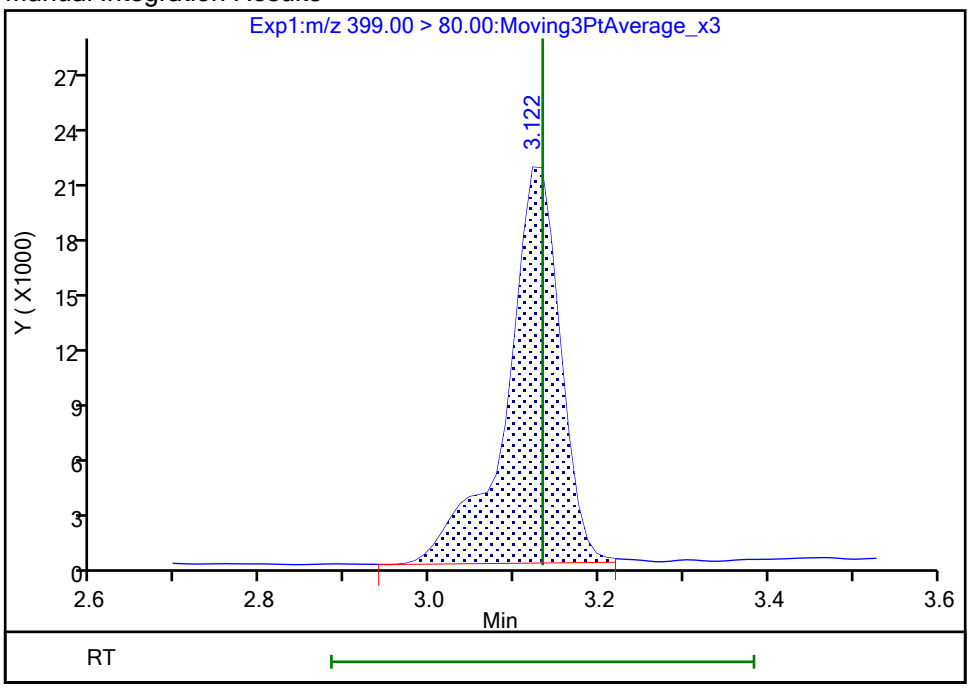
Processing Integration Results

RT: 3.12
Area: 94813
Amount: 0.095239
Amount Units: ng/ml



Manual Integration Results

RT: 3.12
Area: 94508
Amount: 0.099187
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:49:51

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

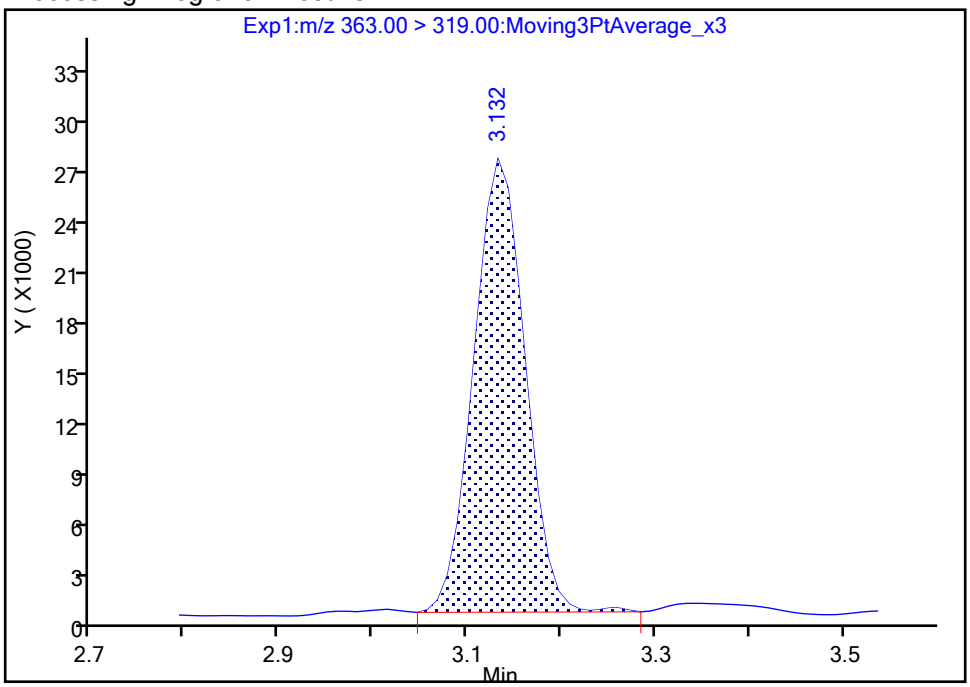
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Injection Date:	22-Dec-2020 12:56:31	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

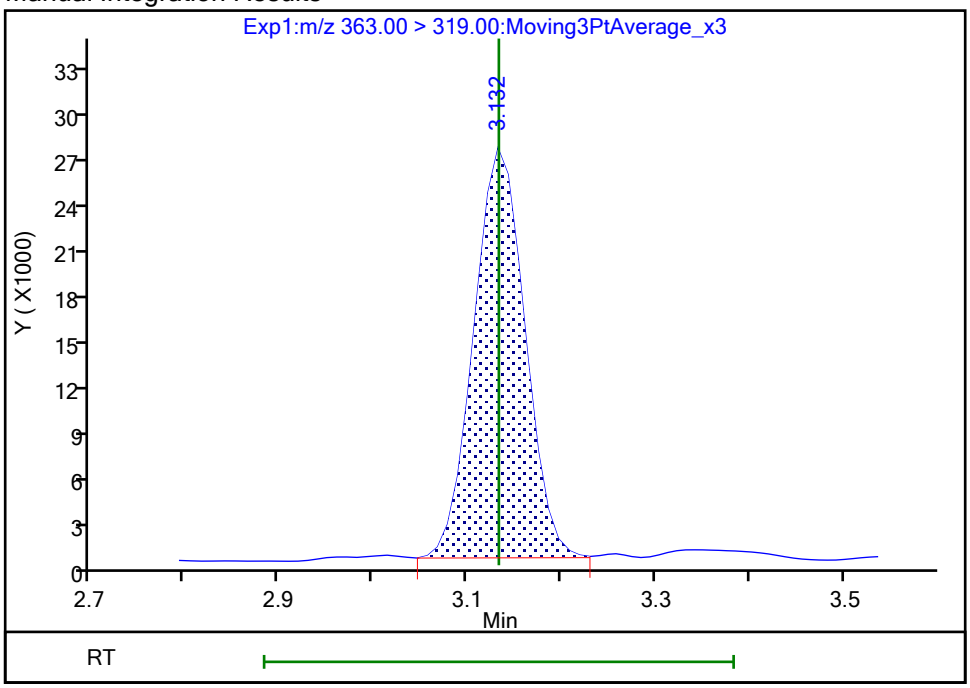
Processing Integration Results

RT: 3.13
Area: 100330
Amount: 0.107605
Amount Units: ng/ml



Manual Integration Results

RT: 3.13
Area: 99874
Amount: 0.112138
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:49:42
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

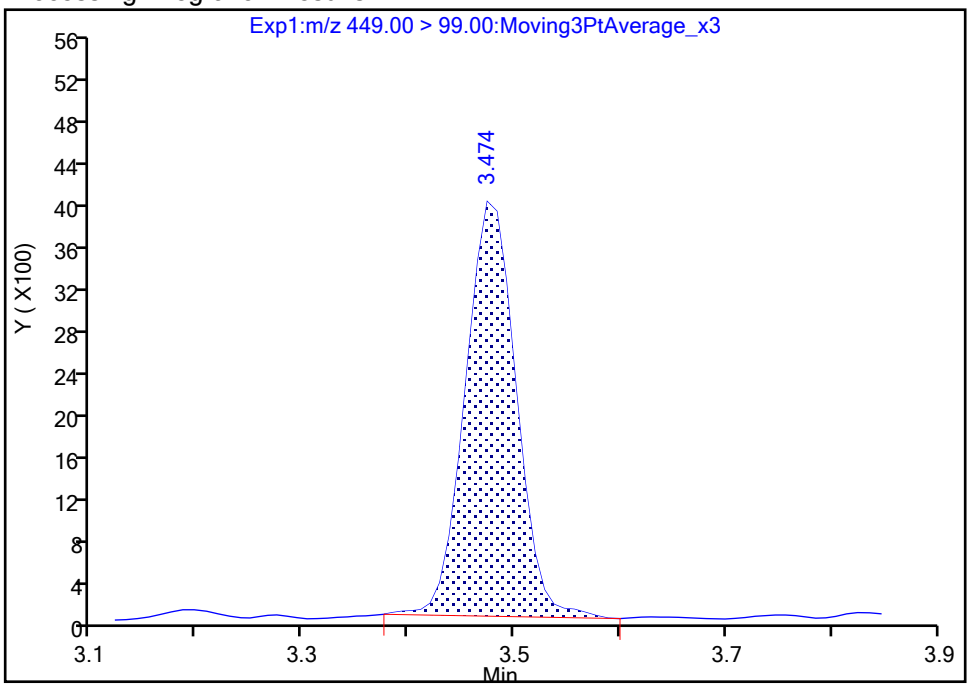
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL009.d
Injection Date: 22-Dec-2020 12:56:31 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

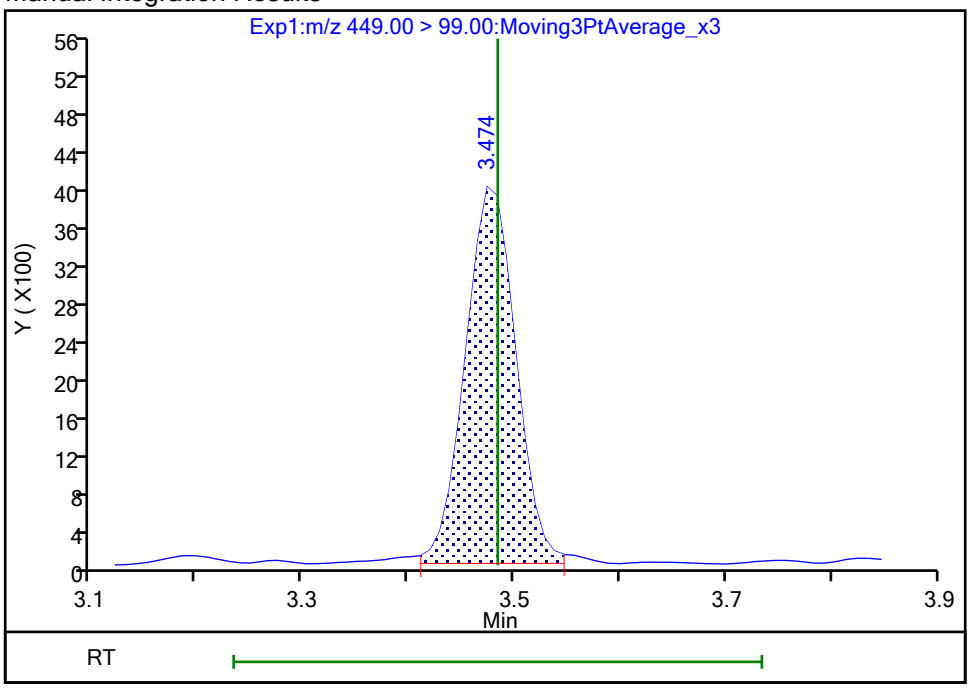
Processing Integration Results

RT: 3.47
Area: 13173
Amount: 0.097839
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 13156
Amount: 0.100190
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:49:35
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

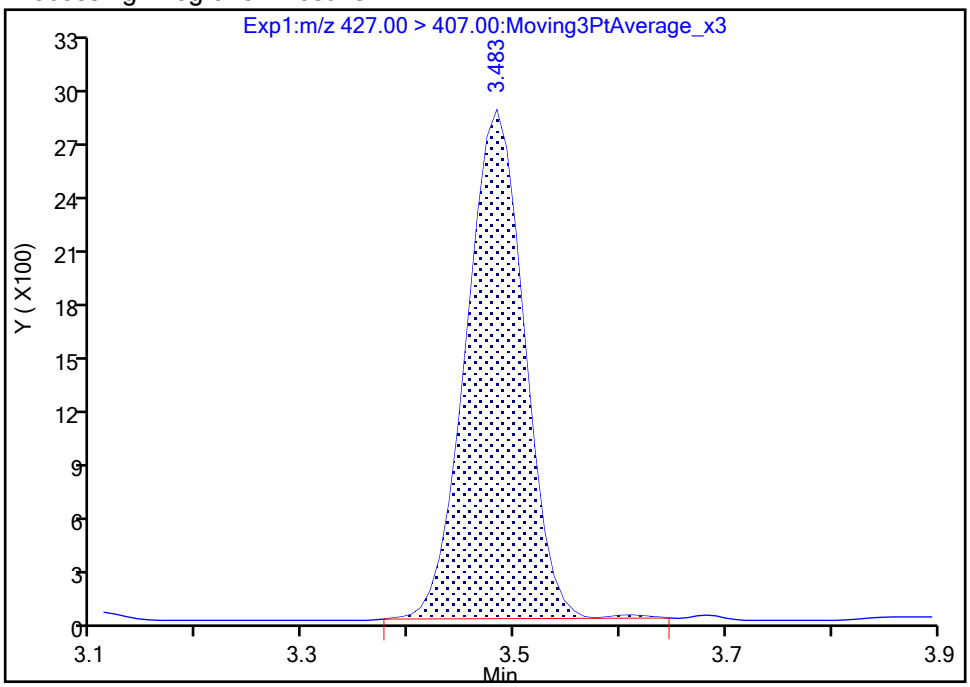
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL009.d				
Injection Date:	22-Dec-2020 12:56:31	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

Signal: 1

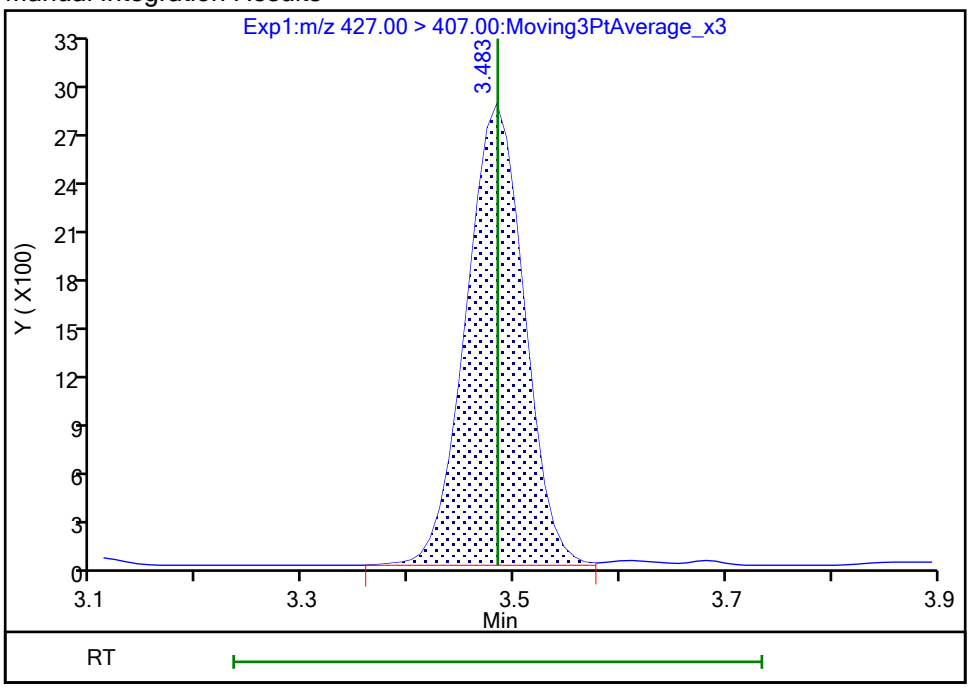
Processing Integration Results

RT: 3.48
Area: 10663
Amount: 0.091432
Amount Units: ng/ml



Manual Integration Results

RT: 3.48
Area: 10738
Amount: 0.093218
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:49:18

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

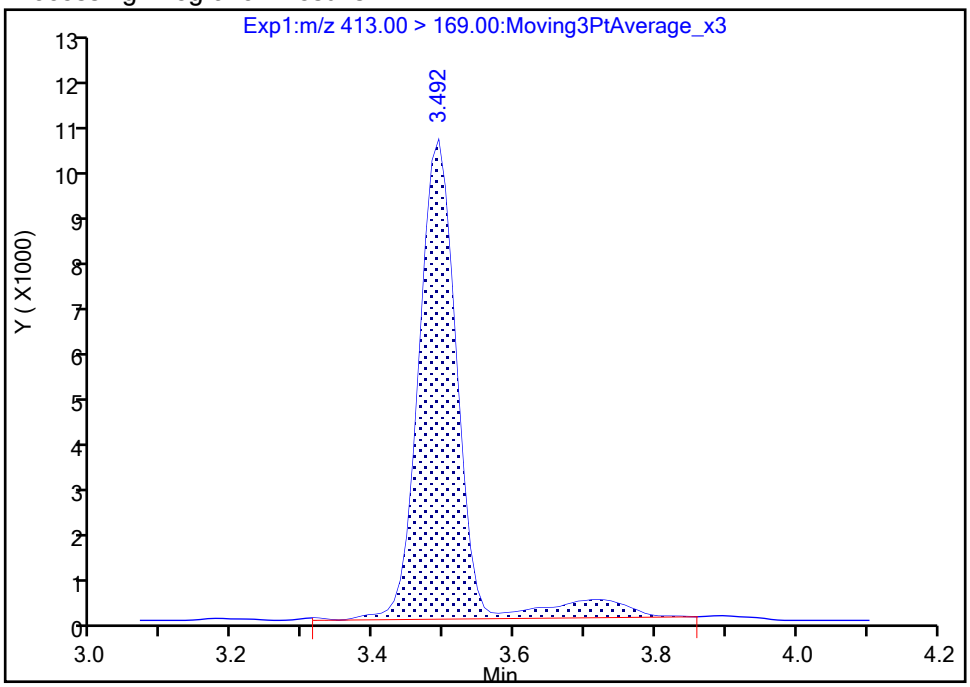
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL009.d				
Injection Date:	22-Dec-2020 12:56:31	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

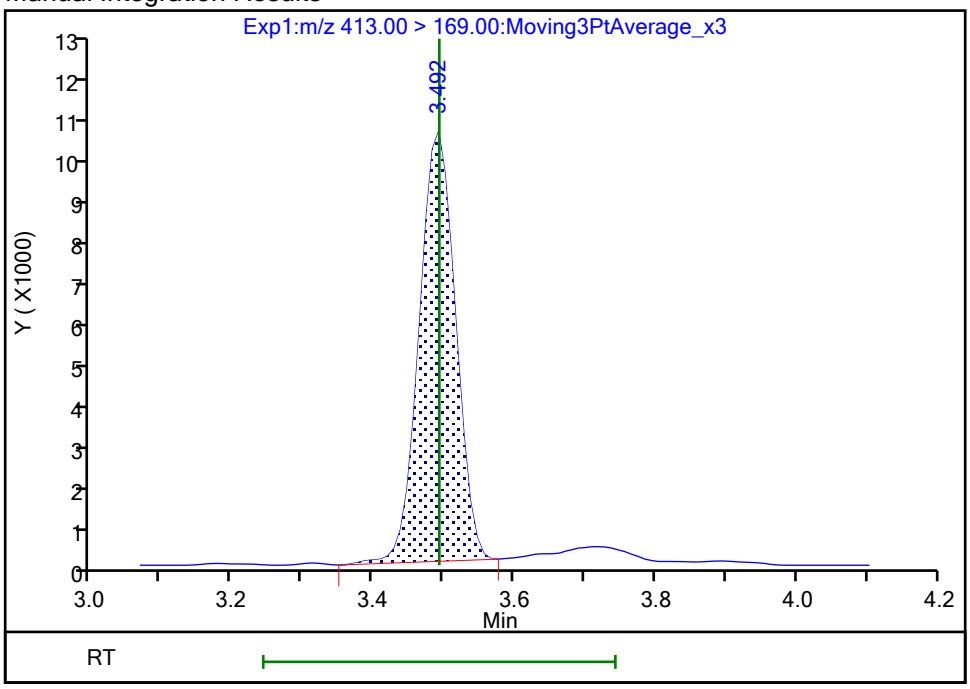
Processing Integration Results

RT: 3.49
Area: 41476
Amount: 0.101377
Amount Units: ng/ml



Manual Integration Results

RT: 3.49
Area: 37378
Amount: 0.102986
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:49:00

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

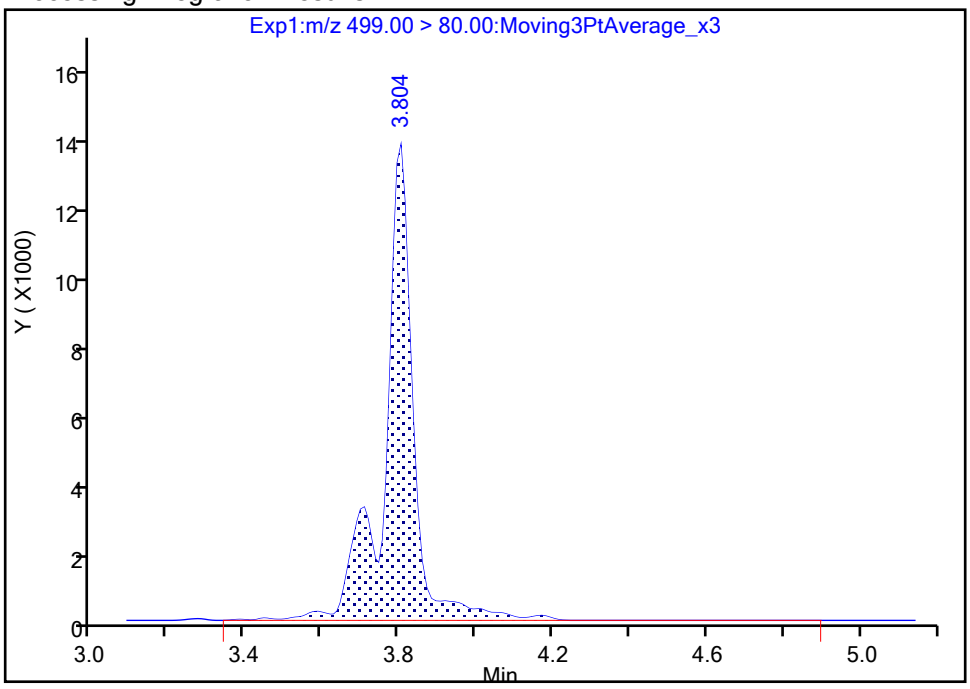
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL009.d				
Injection Date:	22-Dec-2020 12:56:31	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

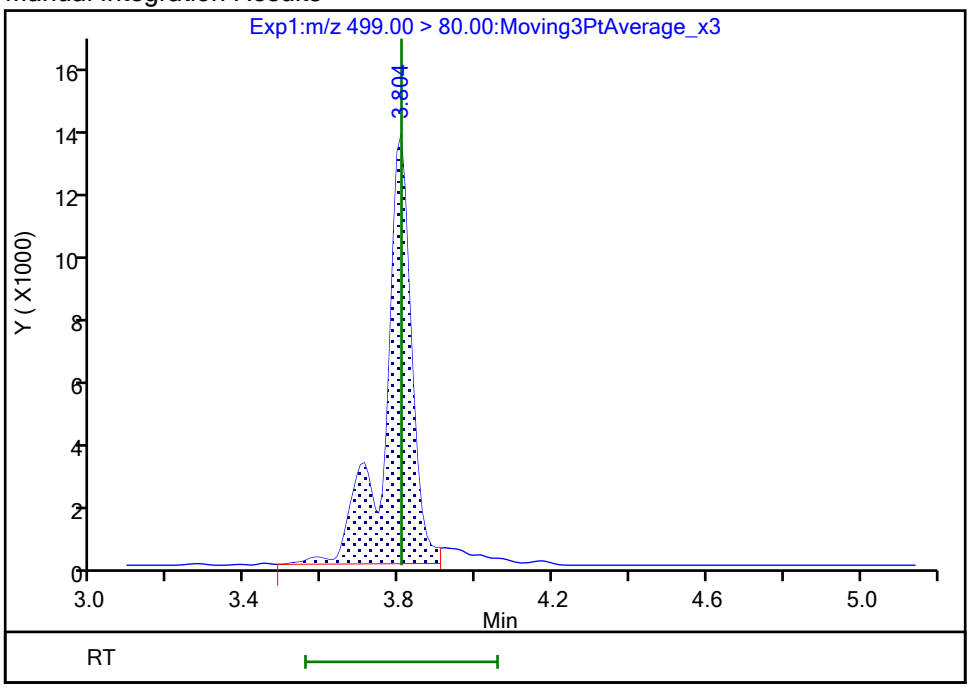
Processing Integration Results

RT: 3.80
Area: 70713
Amount: 0.101573
Amount Units: ng/ml



Manual Integration Results

RT: 3.80
Area: 64913
Amount: 0.098863
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:48:39

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

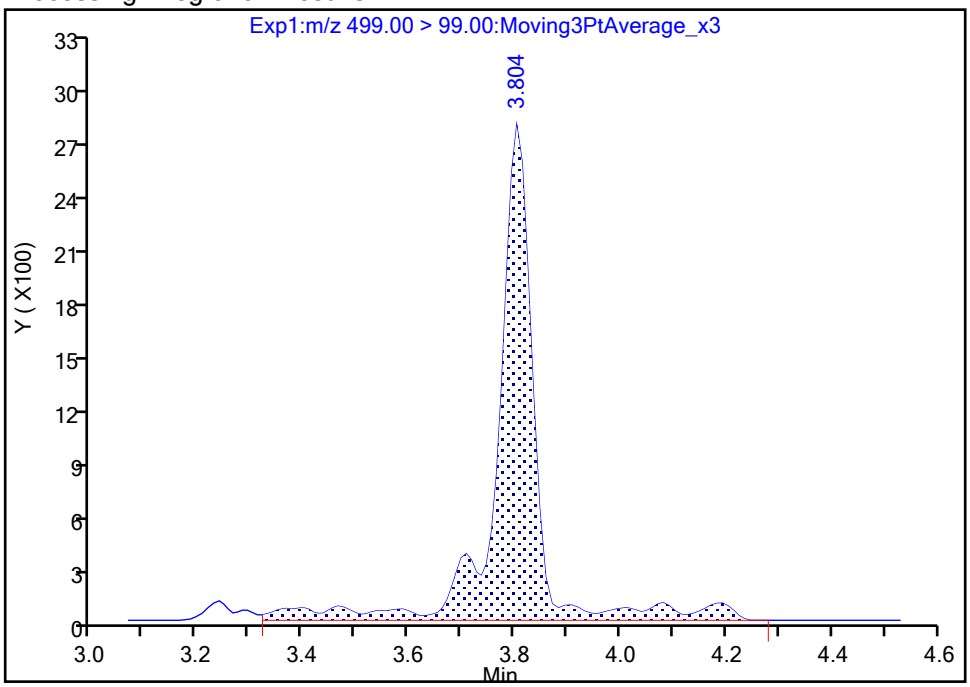
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL009.d				
Injection Date:	22-Dec-2020 12:56:31	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

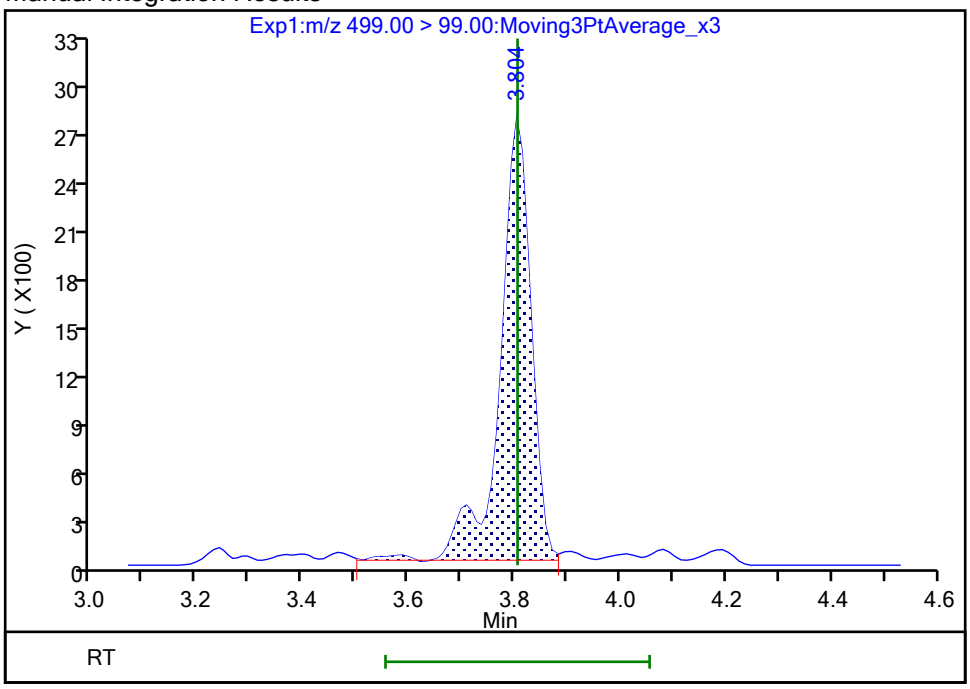
Processing Integration Results

RT: 3.80
Area: 13970
Amount: 0.101573
Amount Units: ng/ml



Manual Integration Results

RT: 3.80
Area: 11330
Amount: 0.098863
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:48:47

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

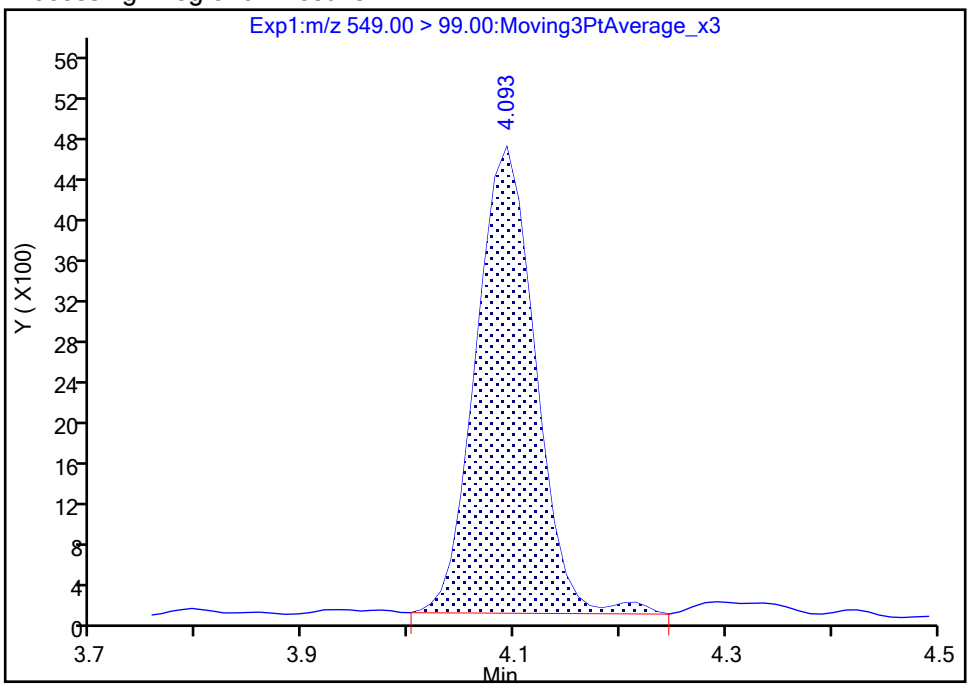
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL009.d				
Injection Date:	22-Dec-2020 12:56:31	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

68 Perfluorononanesulfonic acid, CAS: 68259-12-1

Signal: 2

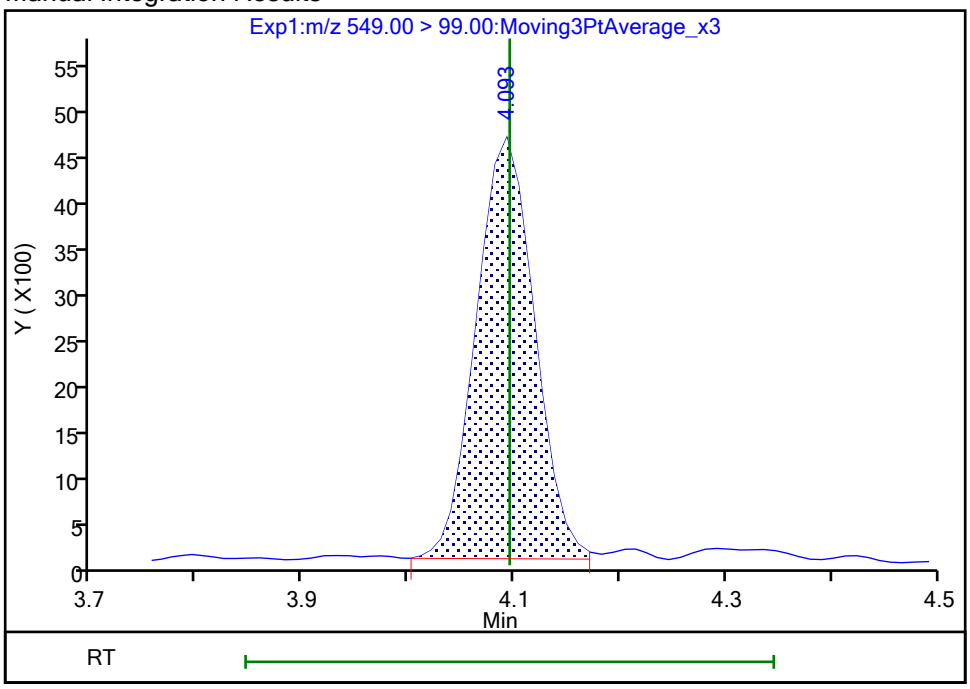
Processing Integration Results

RT: 4.09
Area: 17997
Amount: 0.099852
Amount Units: ng/ml



Manual Integration Results

RT: 4.09
Area: 17680
Amount: 0.102055
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:48:16
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

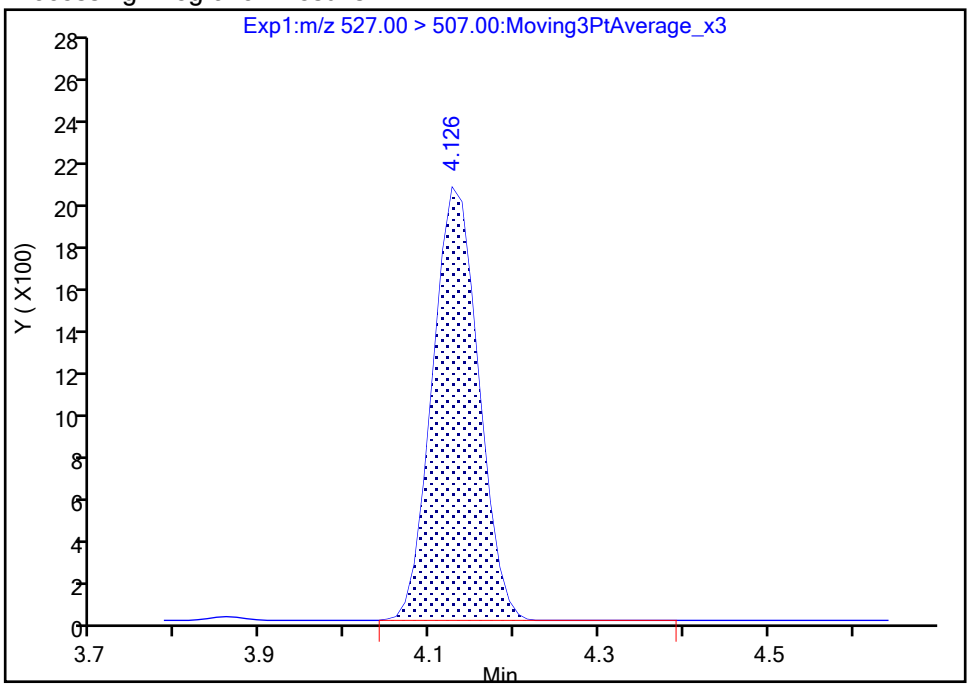
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL009.d
Injection Date: 22-Dec-2020 12:56:31 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

25 1H,1H,2H,2H-perfluorodecanesulfo, CAS: 39108-34-4

Signal: 1

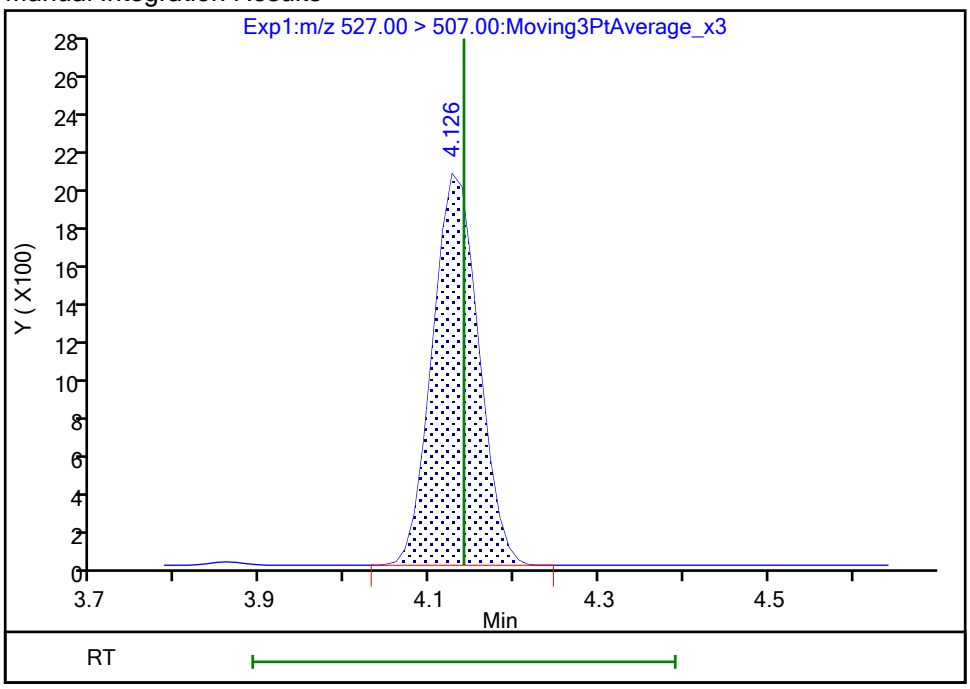
Processing Integration Results

RT: 4.13
Area: 7849
Amount: 0.107751
Amount Units: ng/ml



Manual Integration Results

RT: 4.13
Area: 7849
Amount: 0.109988
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:48:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

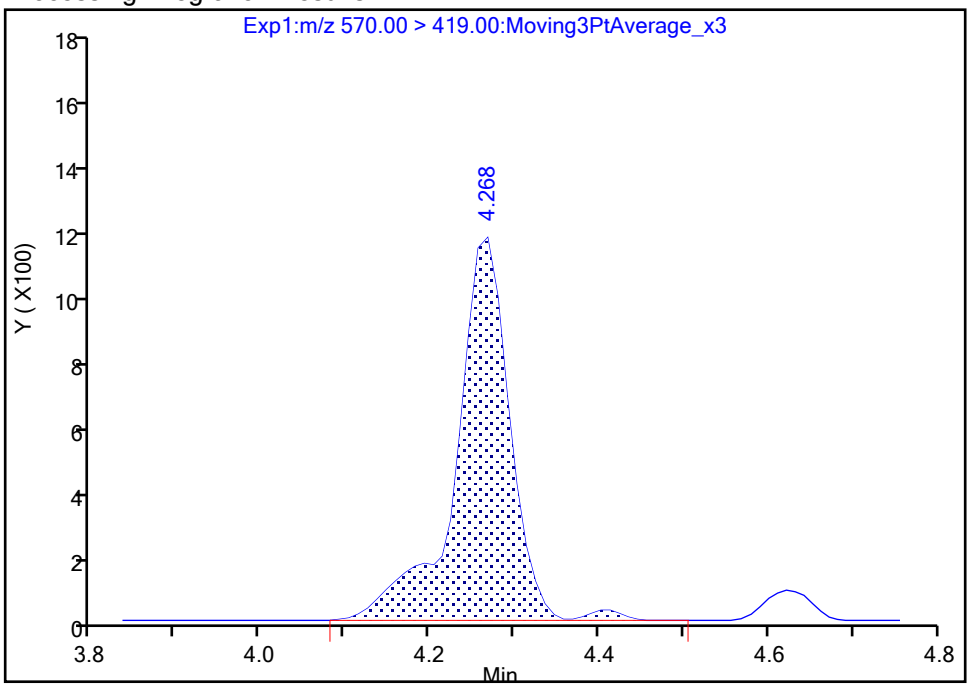
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL009.d				
Injection Date:	22-Dec-2020 12:56:31	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

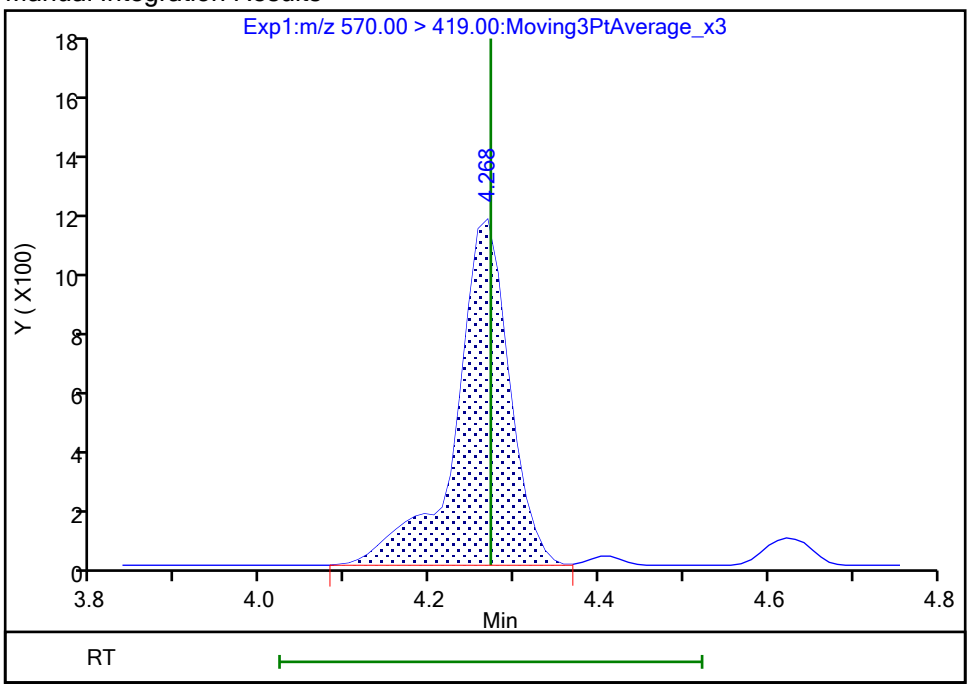
Processing Integration Results

RT: 4.27
Area: 5303
Amount: 0.103943
Amount Units: ng/ml



Manual Integration Results

RT: 4.27
Area: 5218
Amount: 0.105294
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:47:35
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

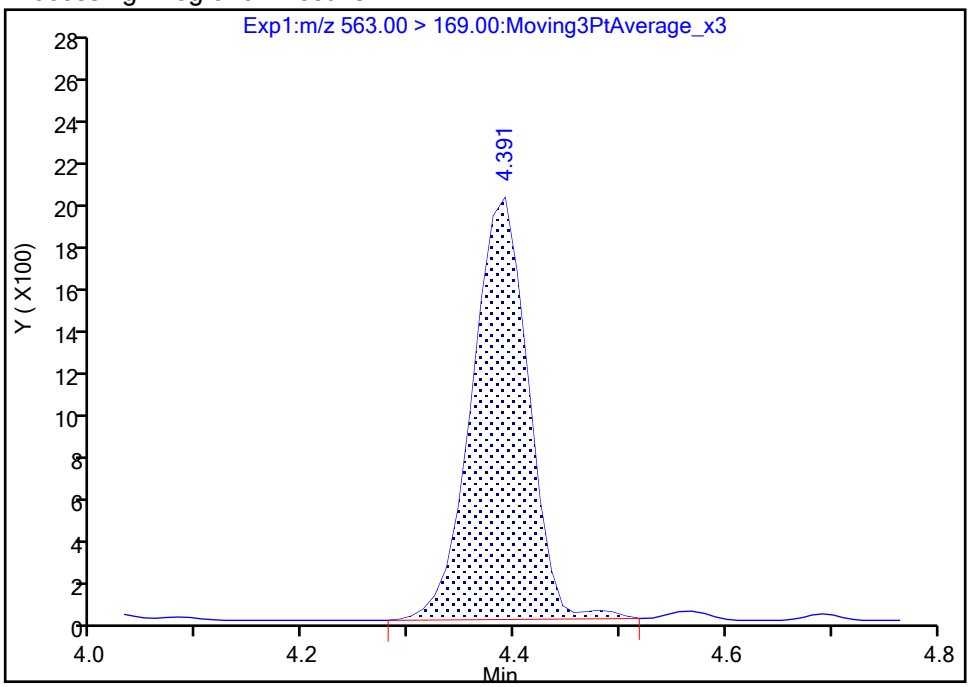
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL009.d				
Injection Date:	22-Dec-2020 12:56:31	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

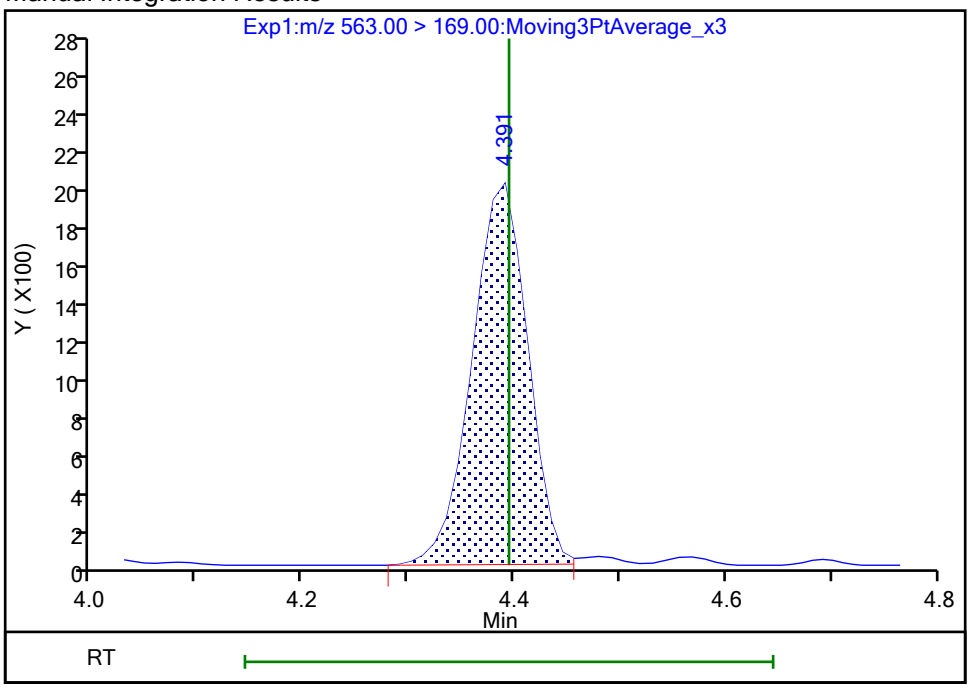
Processing Integration Results

RT: 4.39
Area: 7470
Amount: 0.104826
Amount Units: ng/ml



Manual Integration Results

RT: 4.39
Area: 7377
Amount: 0.104732
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:47:22
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

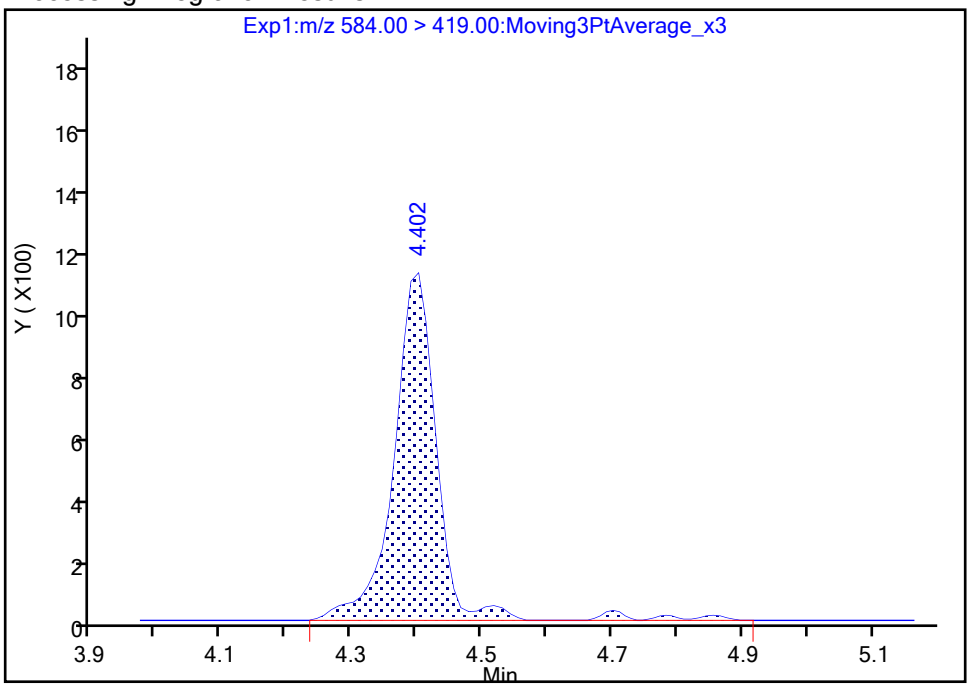
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL009.d				
Injection Date:	22-Dec-2020 12:56:31	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

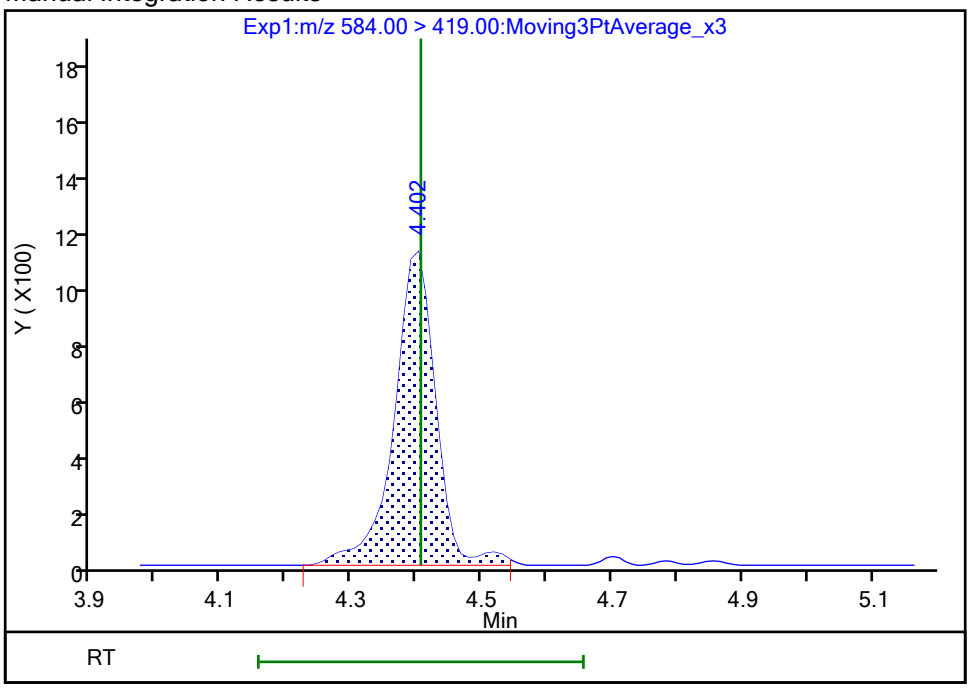
Processing Integration Results

RT: 4.40
Area: 4955
Amount: 0.095218
Amount Units: ng/ml



Manual Integration Results

RT: 4.40
Area: 4802
Amount: 0.097444
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:47:50
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL010.d
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 22-Dec-2020 13:04:47 ALS Bottle#: 4 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 200-0044184-010 Plate: 1 Rack: 1
Operator ID: lc812tech Instrument ID: LC812
Sublist: chrom-PFC_LC812*sub3

Method: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 22-Dec-2020 14:39:27 Calib Date: 22-Dec-2020 13:29:37
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1625

First Level Reviewer: deannd Date: 22-Dec-2020 13:54:26
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.082	2.091	-0.009	0.596	1203352	1.30		104	8925	
2 Perfluorobutanoic acid										
212.90 > 169.00	2.091	2.091	0.0	1.004	456581	0.4733		94.7	58.6	
D 3 13C5 PFPeA										
267.90 > 223.00	2.400	2.414	-0.014	0.687	856461	1.28		102	3165	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.413	2.414	-0.001	1.005	366588	0.4832		96.6	14.1	M
D 47 13C3 PFBS										
301.90 > 80.00	2.426	2.427	-0.001	0.695	1038343	1.18		101	190646	
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.426	2.427	-0.001	1.000	439919	0.4354	Target=2.21	98.5	936	
298.90 > 99.00	2.426	2.427	-0.001	1.000	196460		2.24(1.10-3.31)	98.5	210	
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.722	2.735	-0.013	1.000	61951	0.4587		98.2	1168	
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.722	2.735	-0.013	0.779	85984	1.17		100	90.5	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.758	2.771	-0.013	0.790	903699	1.29		103	3305	
6 Perfluorohexanoic acid										
313.00 > 269.00	2.758	2.771	-0.013	1.000	370199	0.4687	Target=12.17	93.7	92.5	
313.00 > 119.00	2.758	2.771	-0.013	1.000	30072		12.31(6.09-18.26)	93.7	46.5	
70 Perfluoropentanesulfonic acid										
349.00 > 80.00	2.770	2.771	-0.001	0.884	405410	0.4727	Target=3.32	101	1026	
349.00 > 99.00	2.770	2.771	-0.001	0.884	124768		3.25(1.66-4.98)	101	227	
67 Perfluoro(2-propoxypropanoic) ac										M
329.10 > 285.00	2.868	2.881	-0.013	1.000	84587	0.4417		88.3	9.7	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 64 13C3 HFPO-DA										
332.10 > 287.00	2.868	2.881	-0.013	0.821	172775	1.40		112	1278	
D 11 18O2 PFHxS										
403.00 > 84.00	3.132	3.133	-0.001	0.897	772740	1.18		99.5	3063	
8 Perfluorohexanesulfonic acid										
399.00 > 80.00	3.132	3.133	-0.001	1.000	348983	0.4532	Target=4.08	99.6	333	
399.00 > 99.00	3.132	3.133	-0.001	1.000	83133		4.20(2.04-6.11)	99.6	75.2	
D 9 13C4 PFHpA										
367.00 > 322.00	3.132	3.133	-0.001	0.897	892830	1.33		106	4015	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.132	3.133	-0.001	1.000	364247	0.4669	Target=3.70	93.4	90.6	
363.00 > 169.00	3.132	3.133	-0.001	1.000	98861		3.68(1.85-5.56)	93.4	266	
77 DONA										
377.00 > 251.00	3.175	3.176	-0.001	0.835	718739	0.4722	Target=2.47	100	864	
377.00 > 85.00	3.164	3.176	-0.012	0.832	296310		2.43(1.23-3.70)	100	299	
16 Perfluoroheptanesulfonic acid										
449.00 > 80.00	3.474	3.484	-0.010	0.913	299175	0.4875	Target=5.85	102	1865	
449.00 > 99.00	3.474	3.484	-0.010	0.913	49233		6.08(2.93-8.78)	102	263	
D 12 M2-6:2 FTS										M
429.00 > 81.00	3.483	3.484	-0.001	0.997	102545	1.25		105	434	M
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.483	3.484	-0.001	1.000	43065	0.4483		94.6	540	M
D 14 13C4 PFOA										
417.00 > 372.00	3.492	3.493	-0.001	1.000	857479	1.25		100	3031	
* 62 13C2 PFOA										
415.00 > 370.00	3.492	3.493	-0.001		863609	1.25			2079	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.492	3.493	-0.001	1.000	367859	0.4947	Target=2.58	98.9	74.6	M
413.00 > 169.00	3.492	3.493	-0.001	1.000	139299		2.64(1.29-3.87)	98.9	307	M
D 18 13C4 PFOS										
503.00 > 80.00	3.804	3.806	-0.002	1.089	543196	1.20		101	1530	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.804	3.806	-0.002	1.000	243758	0.4663	Target=5.56	100	344	M
499.00 > 99.00	3.804	3.806	-0.002	1.000	40689		5.99(2.78-8.34)	100	175	M
D 19 13C5 PFNA										
468.00 > 423.00	3.825	3.826	-0.001	1.095	772347	1.28		102	3142	
20 Perfluorononanoic acid										
463.00 > 419.00	3.825	3.826	-0.001	1.000	333548	0.4877	Target=6.87	97.5	56.9	
463.00 > 169.00	3.825	3.826	-0.001	1.000	48745		6.84(3.43-10.30)	97.5	496	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.964	3.967	-0.003	1.042	275177	0.4718		101	1786	
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.093	4.095	-0.002	1.076	195317	0.5008	Target=2.78	104	2076	
549.00 > 99.00	4.093	4.095	-0.002	1.076	64085		3.05(1.39-4.17)	104	211	
D 23 13C2 PFDA										
515.00 > 470.00	4.126	4.129	-0.003	1.182	721858	1.25		100	3027	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										
513.00 > 469.00	4.126	4.129	-0.003	1.000	305912	0.5140	Target=9.03	103	248	
513.00 > 169.00	4.126	4.129	-0.003	1.000	35067		8.72(4.51-13.54)	103	262	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.126	4.140	-0.014	1.000	26606	0.4672		97.5	734	
D 26 M2-8:2 FTS										M
529.00 > 81.00	4.126	4.140	-0.014	1.182	100274	1.18		99.0	555	M
D 21 13C8 FOSA										
506.00 > 78.00	4.205	4.207	-0.002	1.204	1063884	1.26		100	2586	
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.205	4.207	-0.002	1.000	423265	0.4962		99.2	1392	
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.268	4.272	-0.004	1.222	54321	1.30		104	214	M
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.268	4.272	-0.004	1.000	16744	0.4347		86.9	164	
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.358	4.362	-0.004	1.146	146348	0.4706	Target=2.76	97.6	911	
599.00 > 99.00	4.358	4.362	-0.004	1.146	55990		2.61(1.38-4.14)	97.6	249	
D 30 13C2 PFUnA										
565.00 > 520.00	4.380	4.384	-0.004	1.254	580063	1.22		98.0	2619	
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.380	4.395	-0.015	1.000	244409	0.5164	Target=8.02	103	106	
563.00 > 169.00	4.380	4.395	-0.015	1.000	30090		8.12(4.01-12.03)	103	399	
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.402	4.395	0.007	1.261	52130	1.29		103	354	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.402	4.406	-0.004	1.000	18172	0.4707		94.1	352	M
66 11-Chloroeicosafluoro-3-oxaundec										
631.00 > 451.00	4.480	4.485	-0.005	1.178	294213	0.4861		103	2000	
D 36 13C2 PFDoA										
615.00 > 570.00	4.611	4.626	-0.015	1.320	642314	1.28		103	2858	
37 Perfluorododecanoic acid										
613.00 > 569.00	4.622	4.626	-0.004	1.002	264312	0.4677	Target=6.85	93.5	73.5	
613.00 > 169.00	4.622	4.626	-0.004	1.002	45410		5.82(3.42-10.27)	93.5	1100	
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.642	4.637	0.005	1.125	15677	0.5347		111	349	
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.792	4.797	-0.005	1.260	54696	0.4781	Target=0.53	98.8	146	
699.00 > 99.00	4.792	4.797	-0.005	1.260	105717		0.52(0.26-0.79)	98.8	628	
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.834	4.839	-0.005	1.048	226665	0.4942	Target=4.48	98.8	96.5	
663.00 > 169.00	4.834	4.839	-0.005	1.048	47211		4.80(2.24-6.72)	98.8	564	
D 43 13C2 PFTeDA										
715.00 > 670.00	5.014	5.027	-0.013	1.436	480039	1.30		104	3351	
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.024	5.027	-0.003	1.002	34379	0.4827	Target=0.99	96.5	848	
713.00 > 219.00	5.014	5.027	-0.013	1.000	34663		0.99(0.50-1.49)	96.5	949	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 44 13C2 PFHxDA										
815.00 > 770.00	5.372	5.374	-0.002	1.538	497203	1.26		101	1522	
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.372	5.374	-0.002	1.000	195955	0.5138	Target=4.02	103	57.1	
813.00 > 169.00	5.372	5.374	-0.002	1.000	50967		3.84(2.01-6.02)	103	1147	
46 Perfluorooctadecanoic acid										
913.00 > 869.00	5.711	5.722	-0.011	1.063	173296	0.4842	Target=3.88	96.8	133	
913.00 > 169.00	5.711	5.722	-0.011	1.063	45239		3.83(1.94-5.82)	96.8	618	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

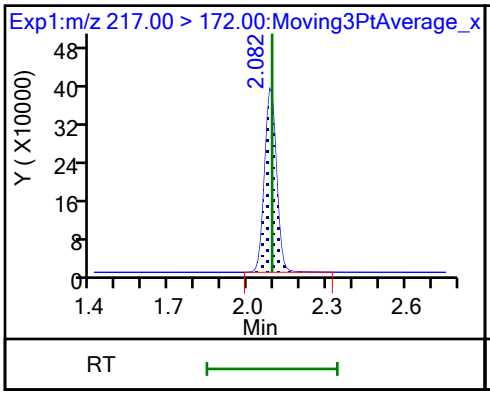
PFAS32NCIC3_00008 Amount Added: 100.00 Units: uL

Report Date: 22-Dec-2020 14:39:28 Chrom Revision: 2.3 09-Dec-2020 16:22:14

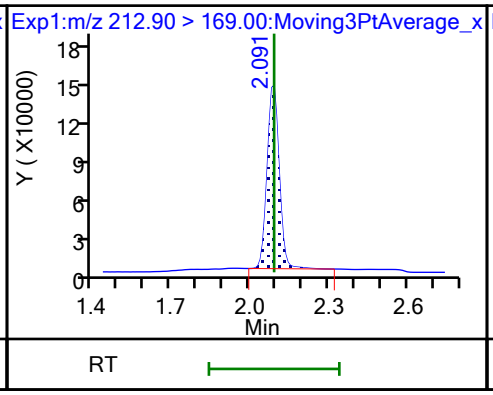
Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL010.d
Injection Date: 22-Dec-2020 13:04:47 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL

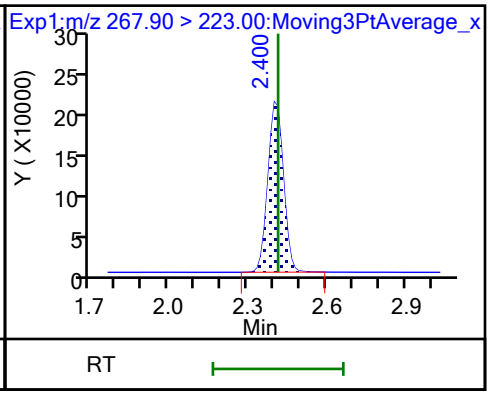
D 1 13C4 PFBA



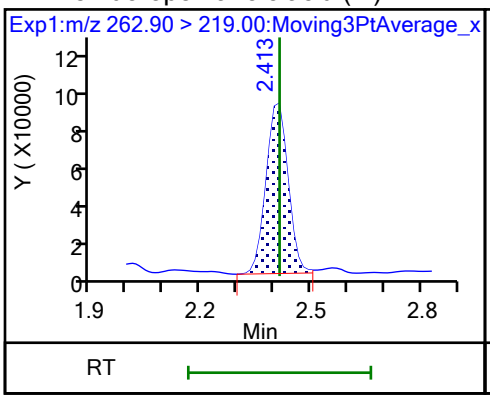
2 Perfluorobutanoic acid



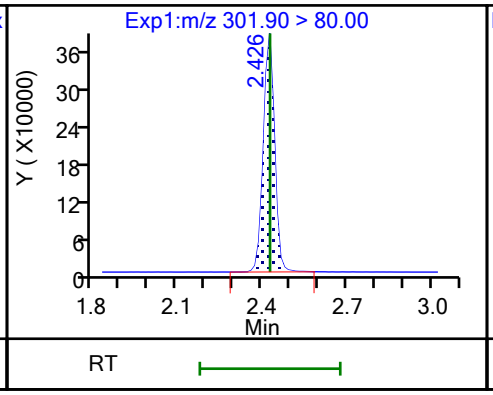
D 3 13C5 PFPeA



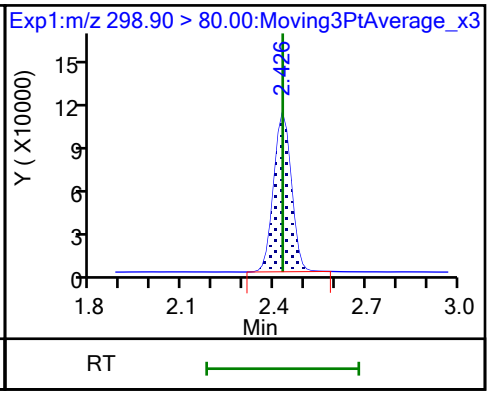
4 Perfluoropentanoic acid (M)



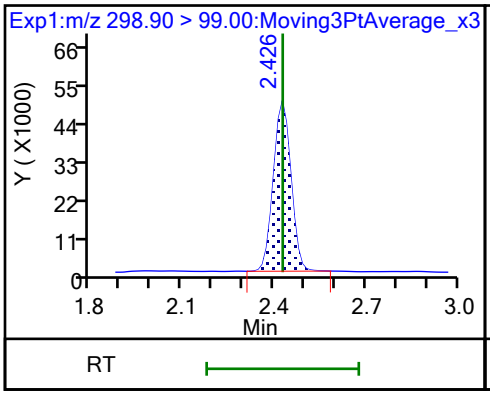
D 47 13C3 PFBS



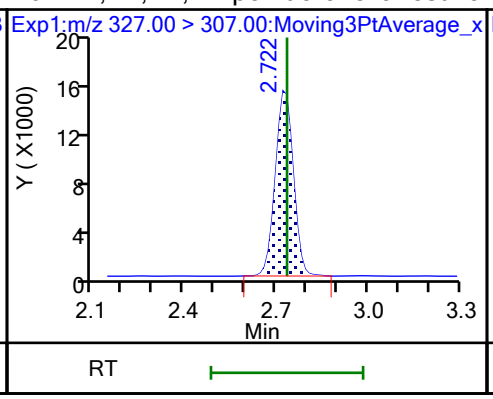
5 Perfluorobutanesulfonic acid



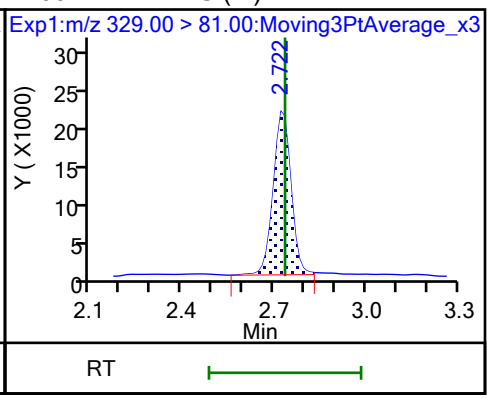
5 Perfluorobutanesulfonic acid



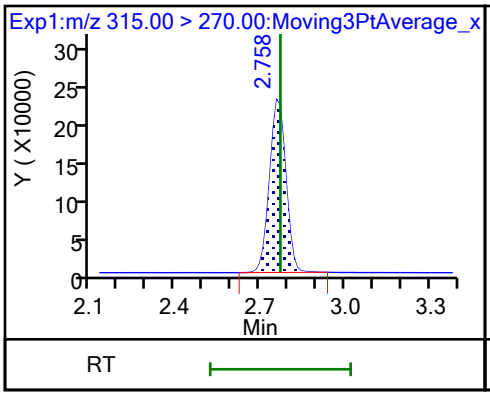
61 1H,1H,2H,2H-perfluorohexanesulfo



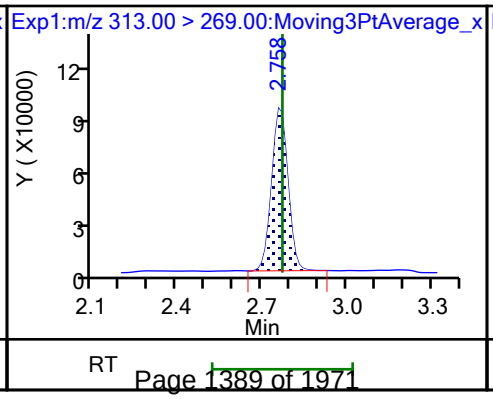
D 60 M2-4:2 FTS (M)



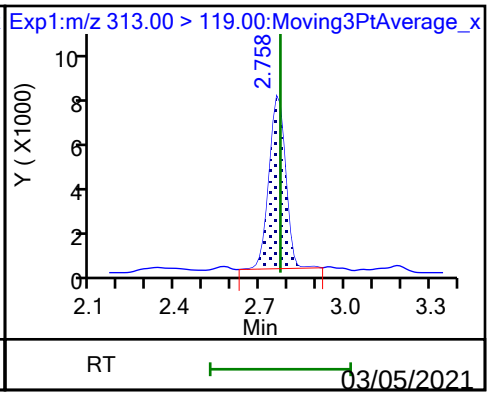
D 7 13C2 PFHxA



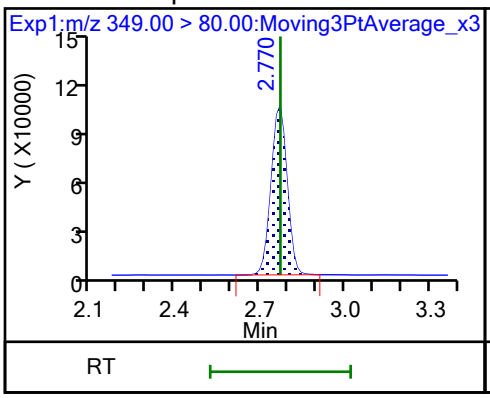
6 Perfluorohexanoic acid



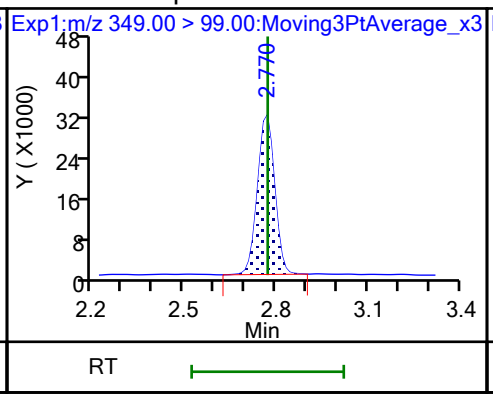
6 Perfluorohexanoic acid



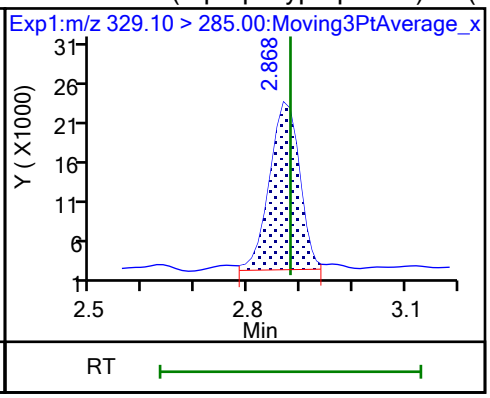
70 Perfluoropentanesulfonic acid



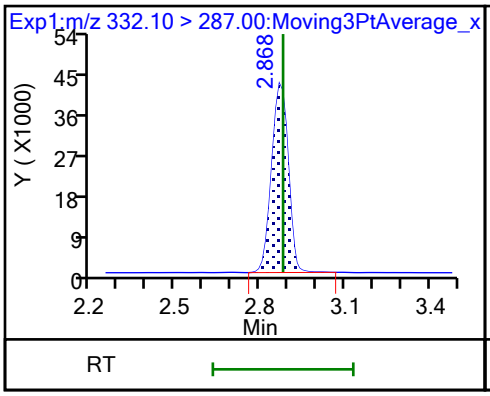
70 Perfluoropentanesulfonic acid



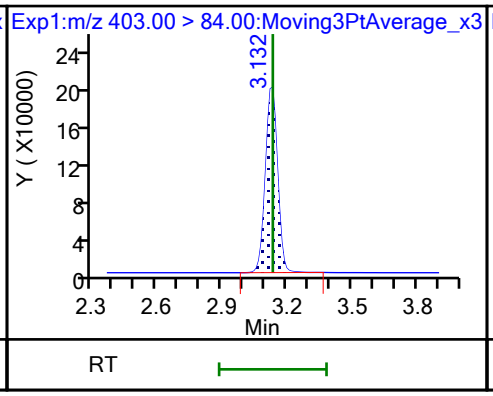
67 Perfluoro(2-propoxypropanoic) ac (M)



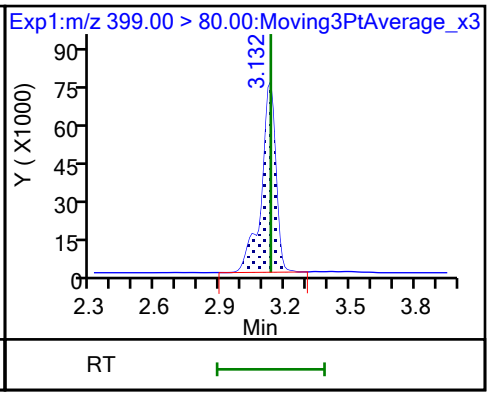
D 64 13C3 HFPO-DA



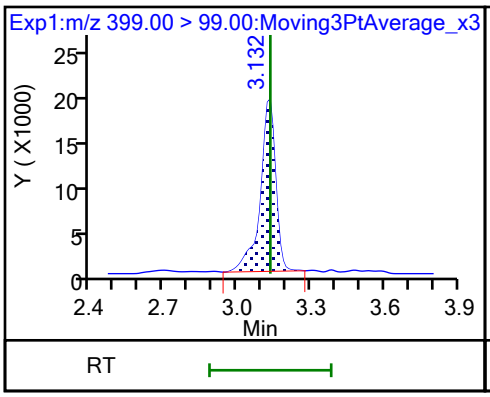
D 11 18O2 PFHxS



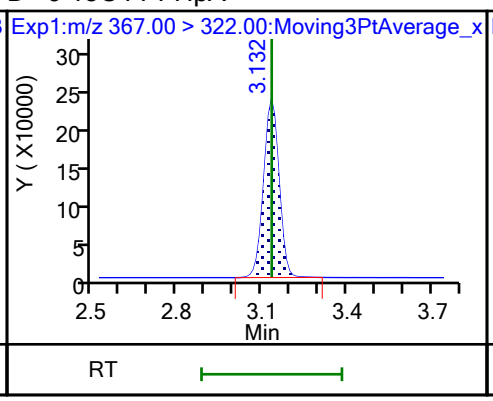
8 Perfluorohexanesulfonic acid



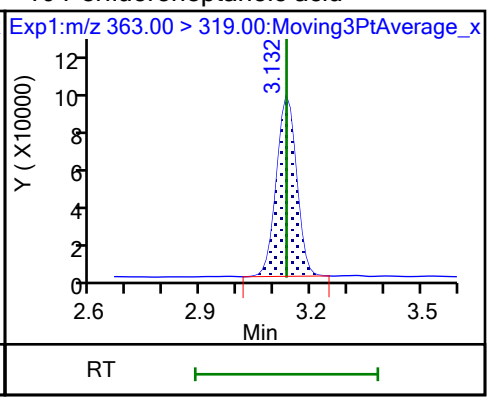
8 Perfluorohexanesulfonic acid



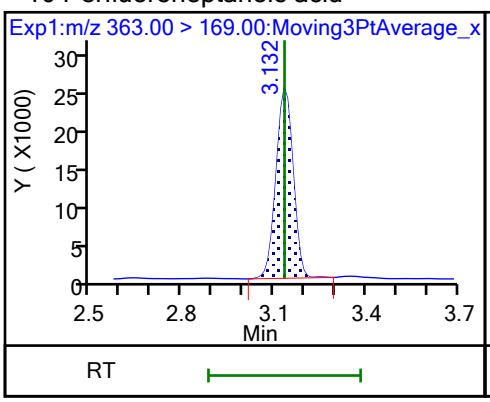
D 9 13C4 PFHpA



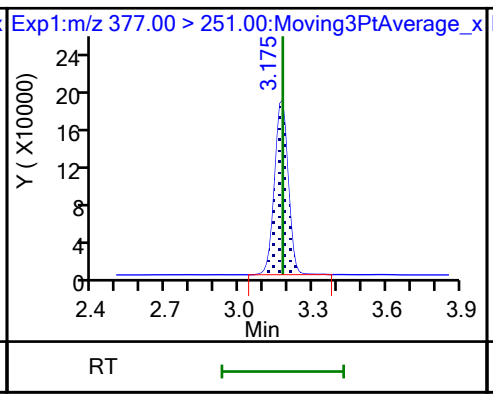
10 Perfluoroheptanoic acid



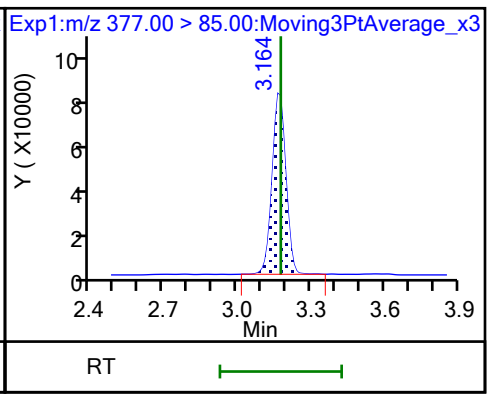
10 Perfluoroheptanoic acid



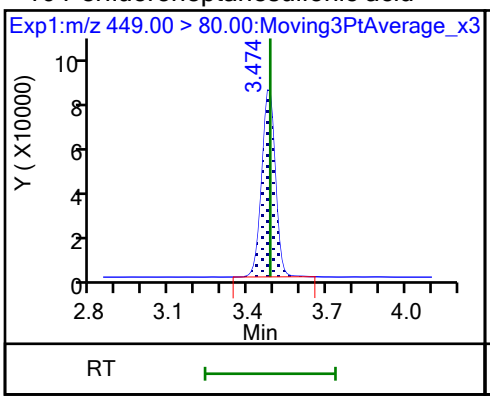
77 DONA



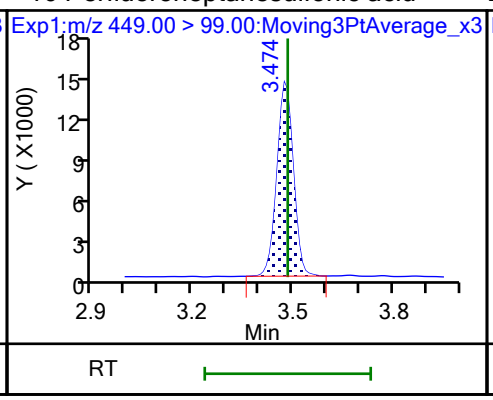
77 DONA



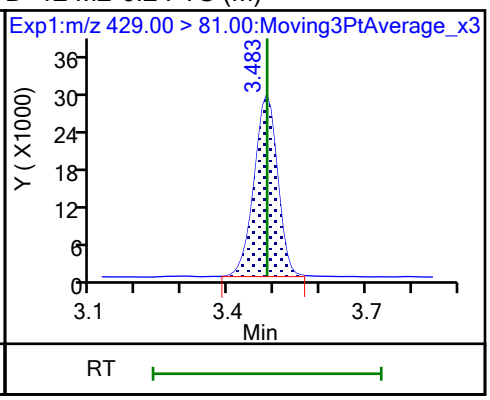
16 Perfluoroheptanesulfonic acid



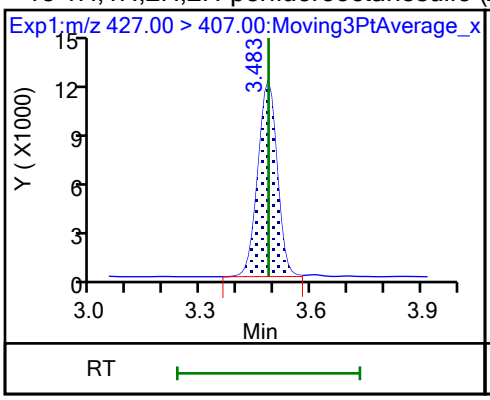
16 Perfluoroheptanesulfonic acid



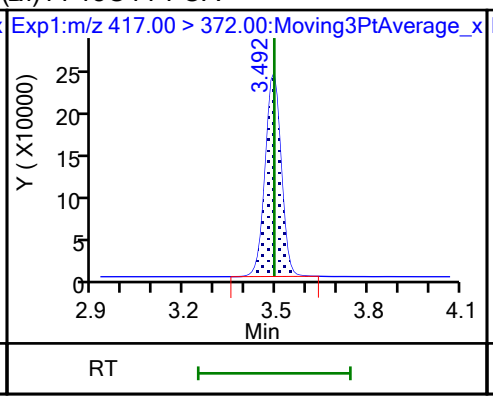
D 12 M2-6:2 FTS (M)



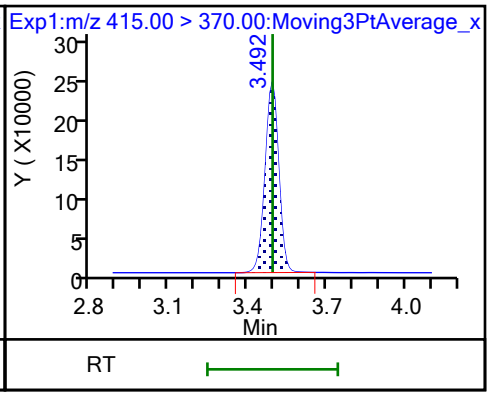
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



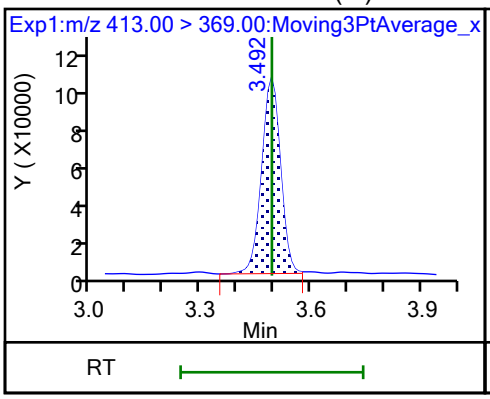
D 14 13C4 PFOA



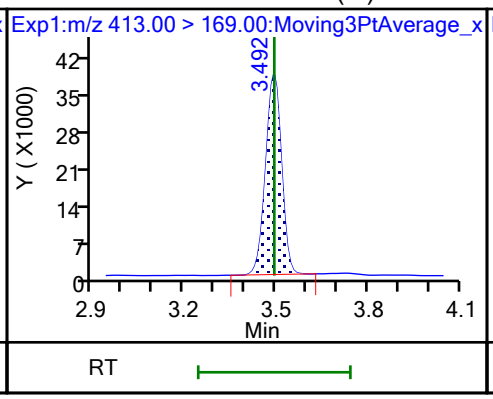
* 62 13C2 PFOA



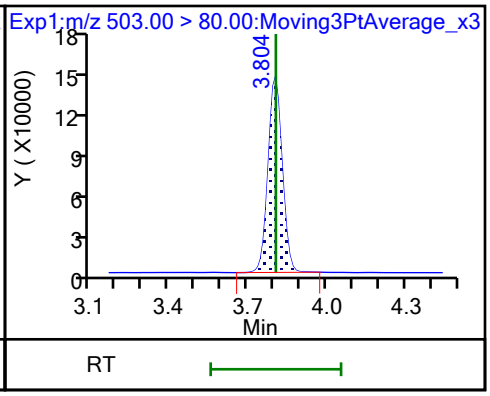
15 Perfluorooctanoic acid (M)



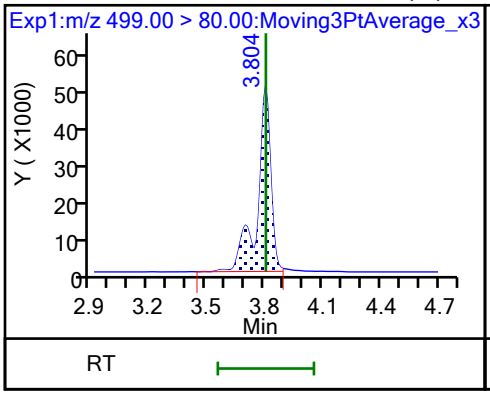
15 Perfluorooctanoic acid (M)



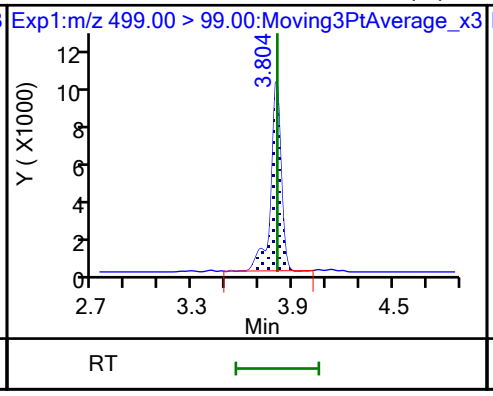
D 18 13C4 PFOS



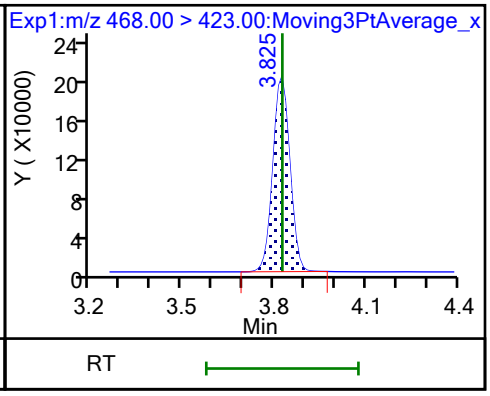
17 Perfluorooctanesulfonic acid (M)



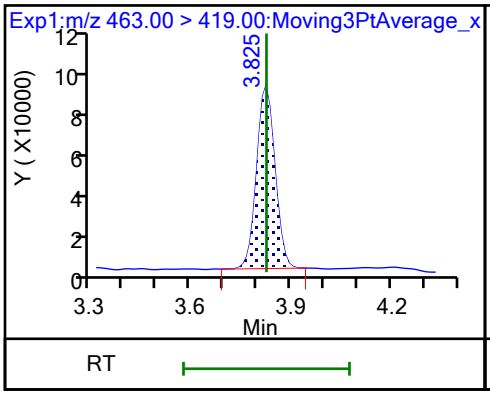
17 Perfluorooctanesulfonic acid (M)



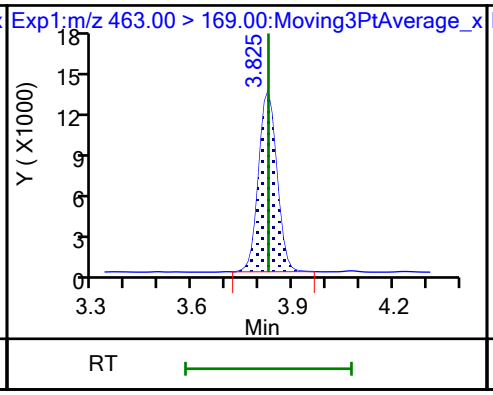
D 19 13C5 PFNA



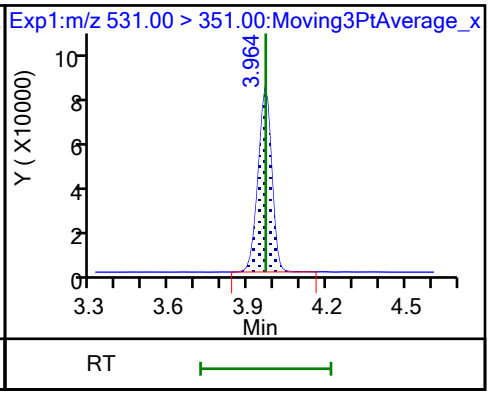
20 Perfluorononanoic acid



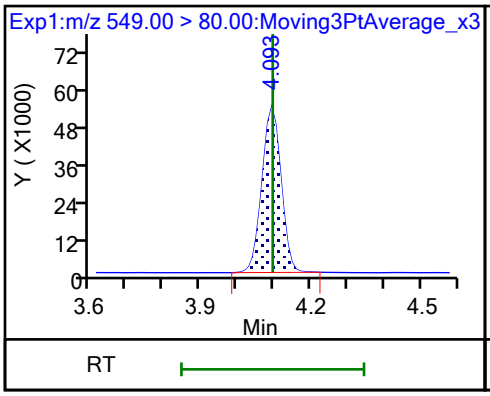
20 Perfluorononanoic acid



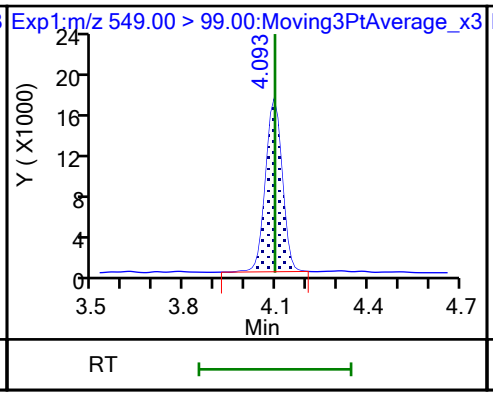
69 9-Chlorohexadecafluoro-3-oxanona



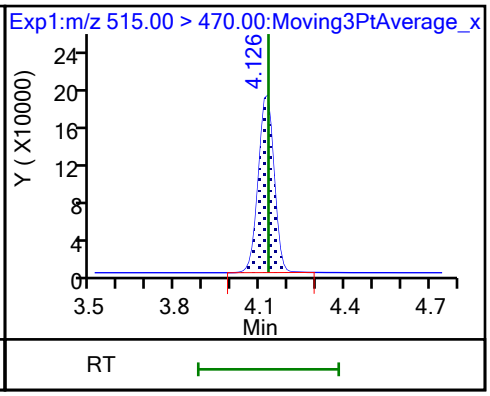
68 Perfluorononanesulfonic acid



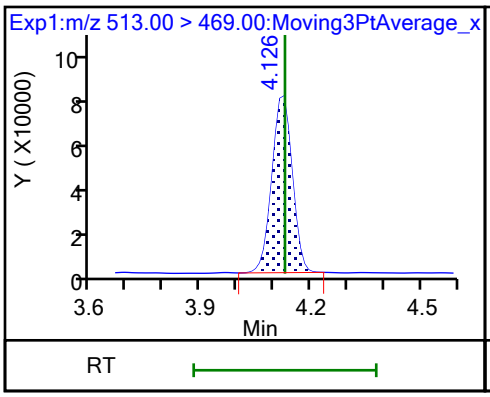
68 Perfluorononanesulfonic acid



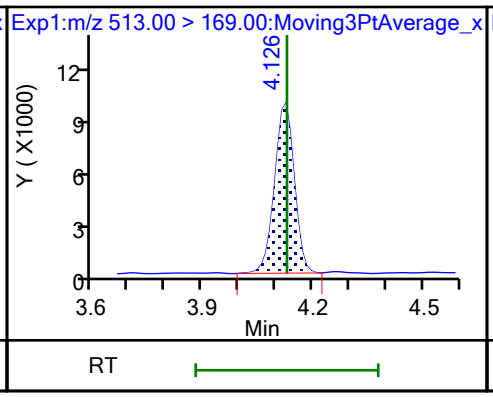
D 23 13C2 PFDA



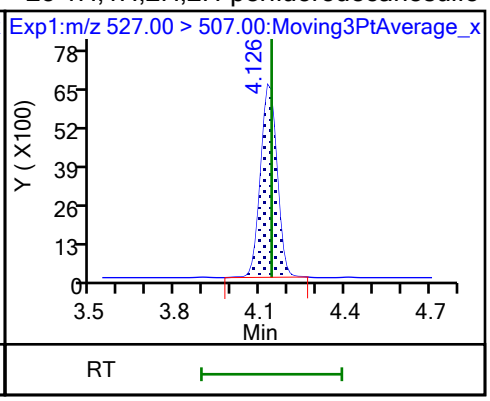
24 Perfluorodecanoic acid



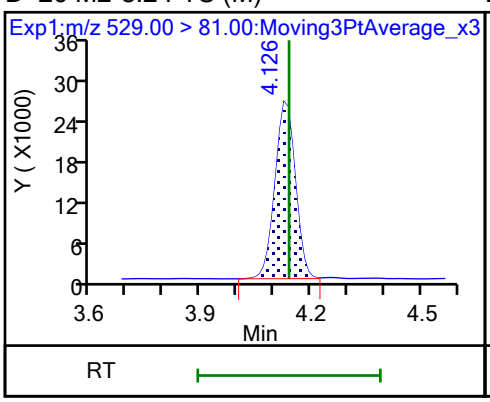
24 Perfluorodecanoic acid



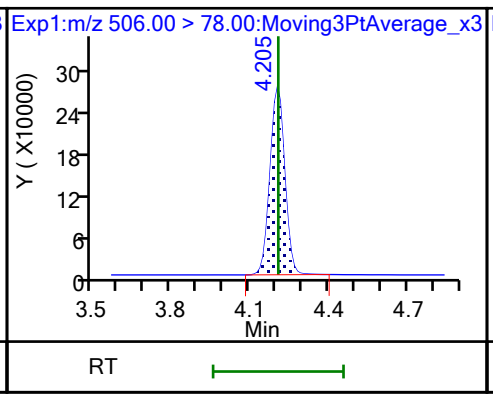
25 1H,1H,2H,2H-perfluorodecanesulfo



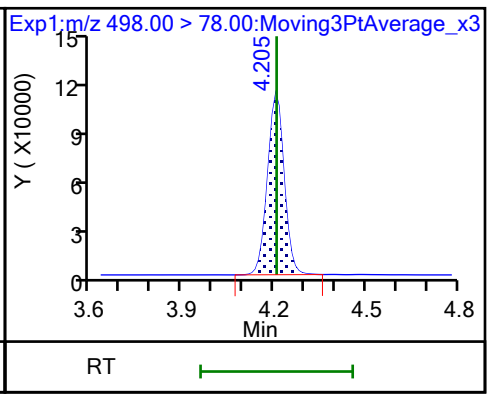
D 26 M2-8:2 FTS (M)



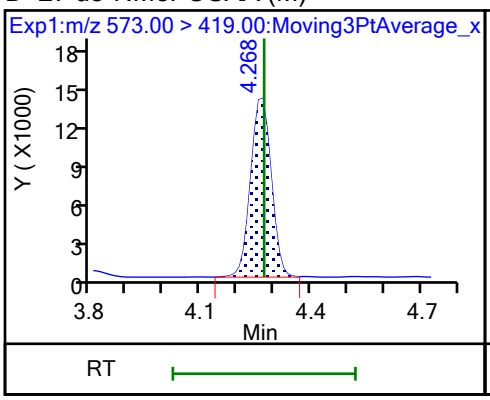
D 21 13C8 FOSA



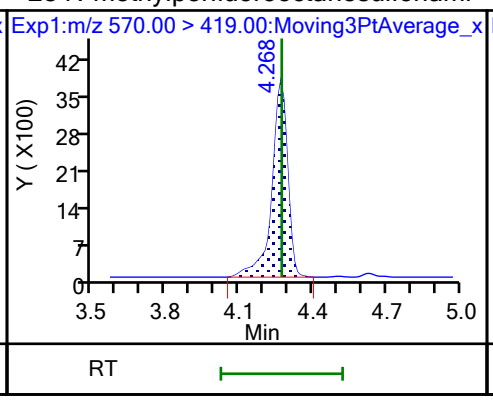
22 Perfluorooctanesulfonamide



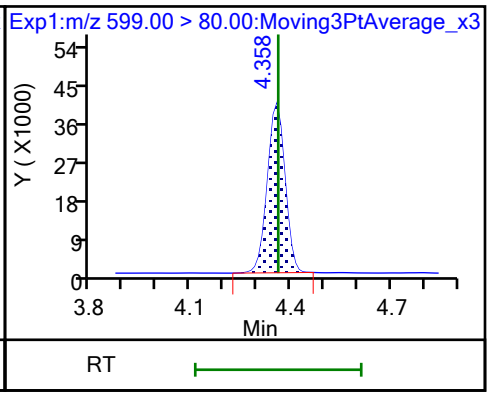
D 27 d3-NMeFOSAA (M)



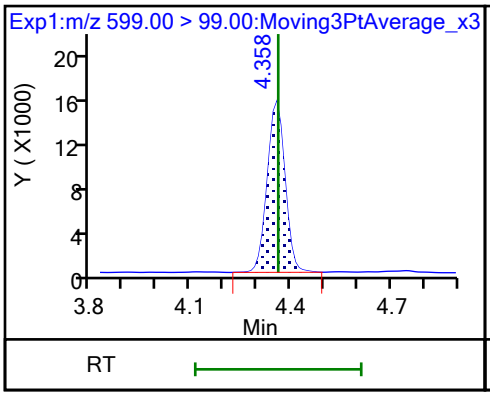
28 N-methylperfluorooctanesulfonami



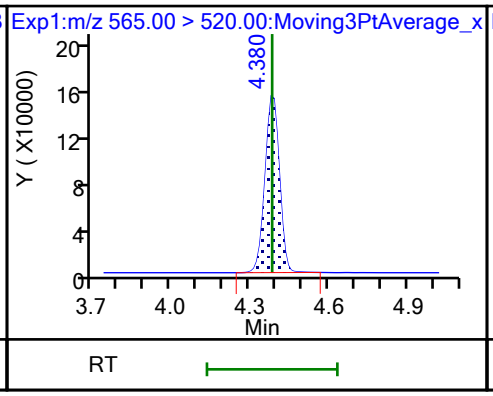
29 Perfluorodecanesulfonic acid



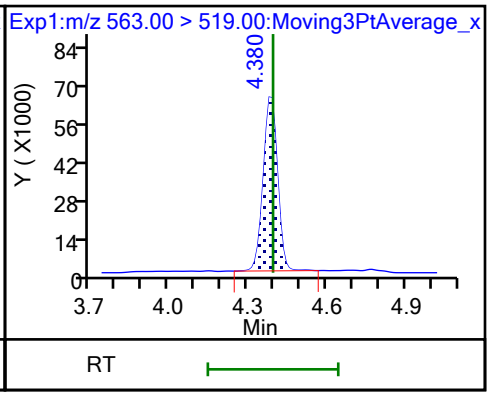
29 Perfluorodecanesulfonic acid



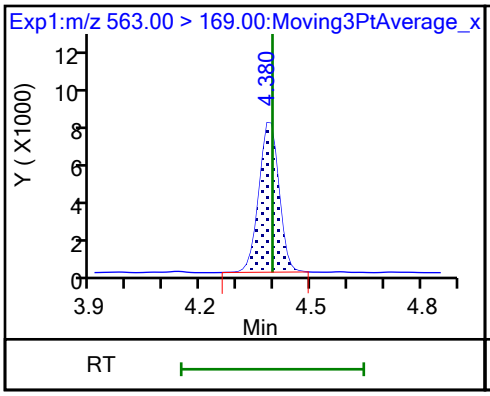
D 30 13C2 PFUnA



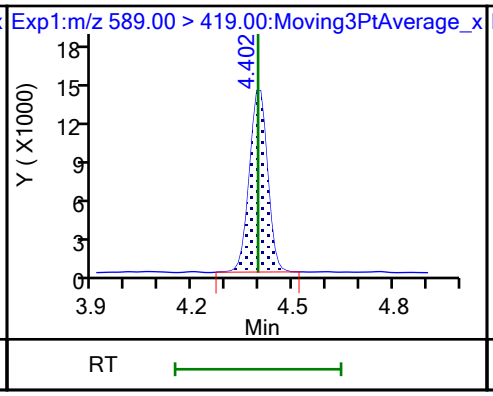
31 Perfluoroundecanoic acid



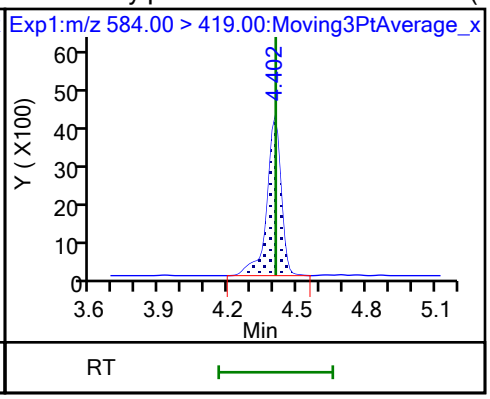
31 Perfluoroundecanoic acid



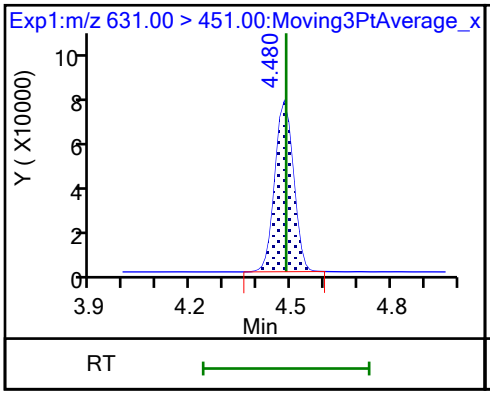
D 32 d5-NEtFOSAA



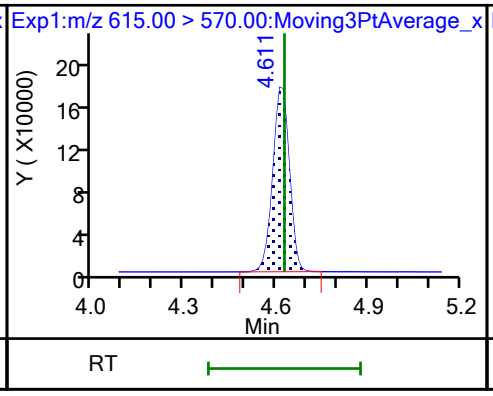
33 N-ethylperfluorooctanesulfonamid (M)



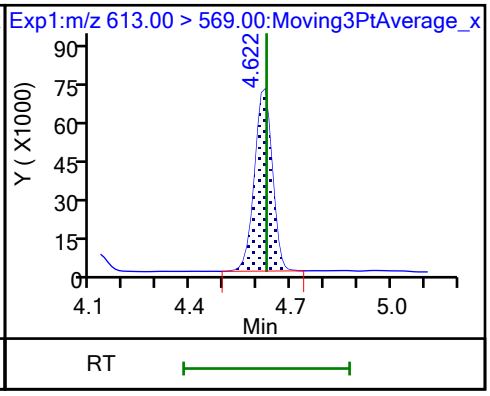
66 11-Chloroeicosafluoro-3-oxaundec



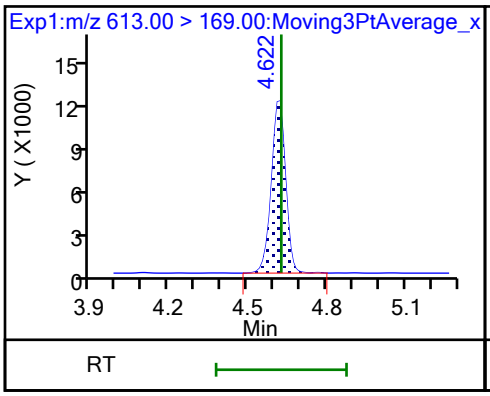
D 36 13C2 PFDoA



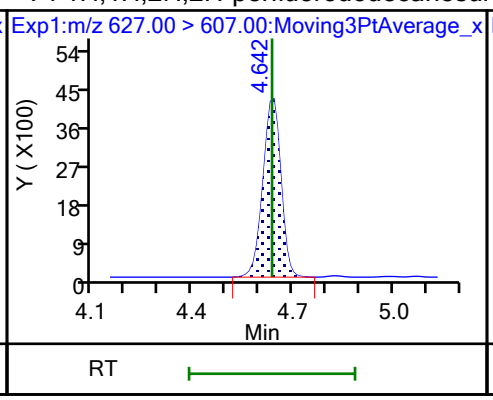
37 Perfluorododecanoic acid



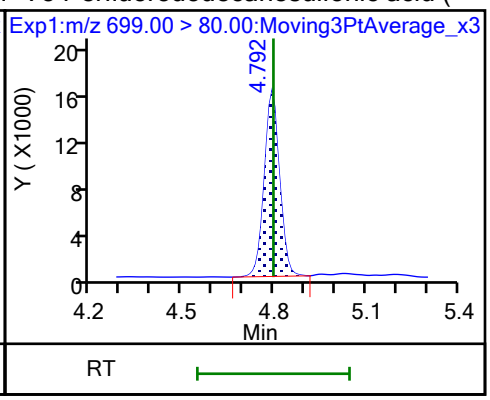
37 Perfluorododecanoic acid



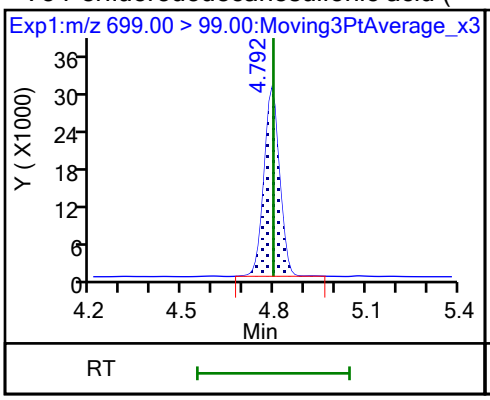
74 1H,1H,2H,2H-perfluorododecanesul



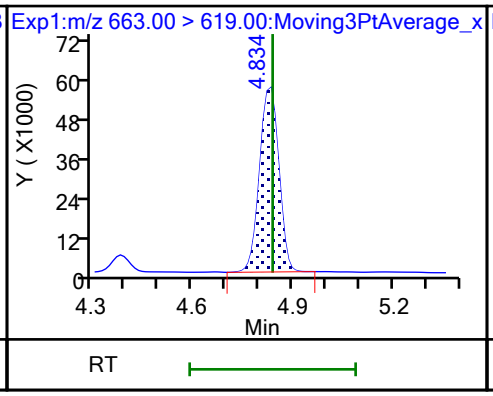
75 Perfluorododecanesulfonic acid (



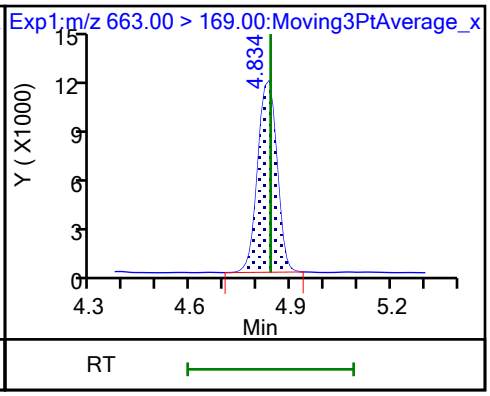
75 Perfluorododecanesulfonic acid (



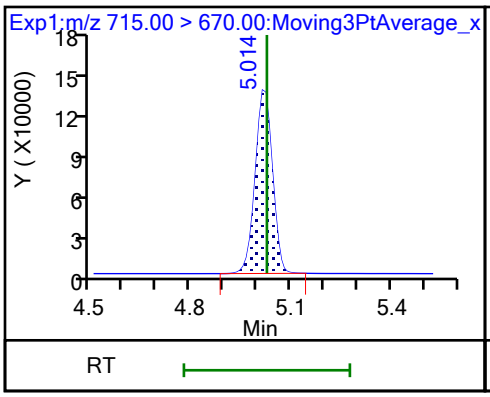
41 Perfluorotridecanoic acid



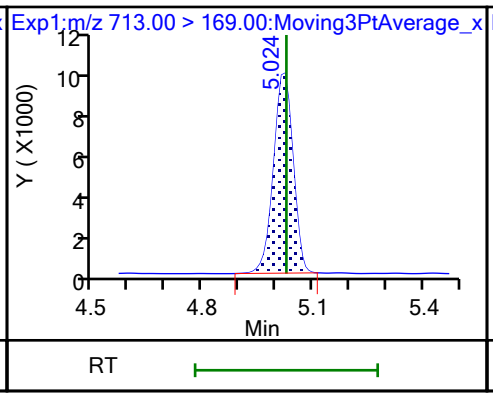
41 Perfluorotridecanoic acid



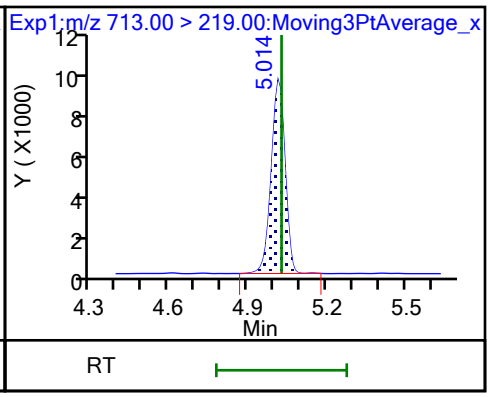
D 43 13C2 PFTeDA



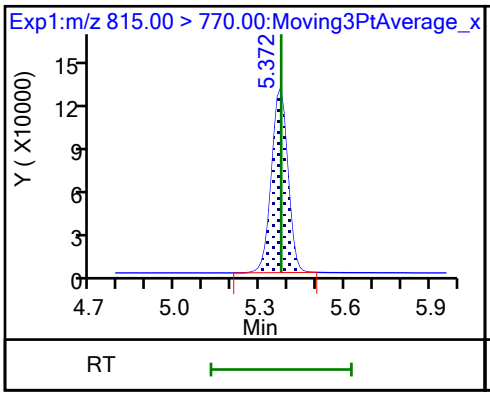
42 Perfluorotetradecanoic acid



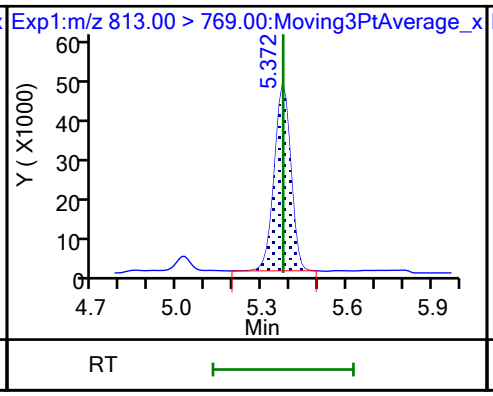
42 Perfluorotetradecanoic acid



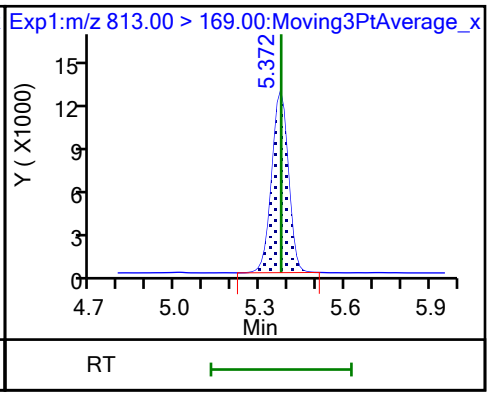
D 44 13C2 PFHxDA



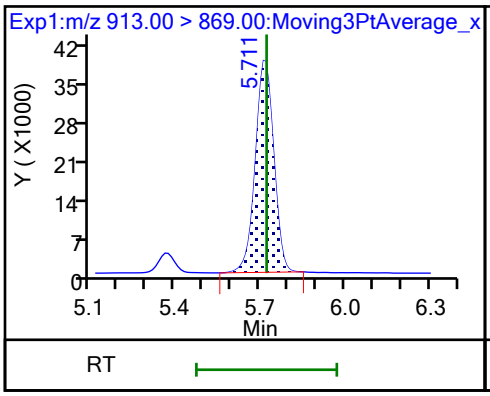
45 Perfluorohexadecanoic acid



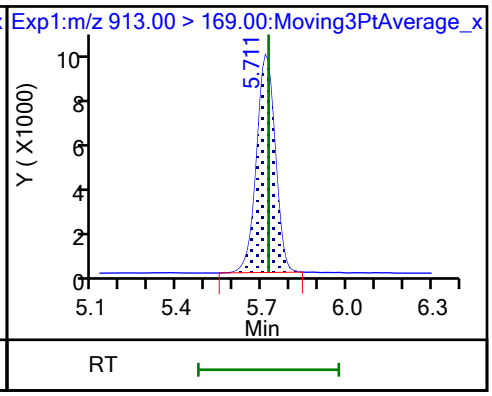
45 Perfluorohexadecanoic acid



46 Perfluorooctadecanoic acid



46 Perfluorooctadecanoic acid



Eurofins TestAmerica, Burlington

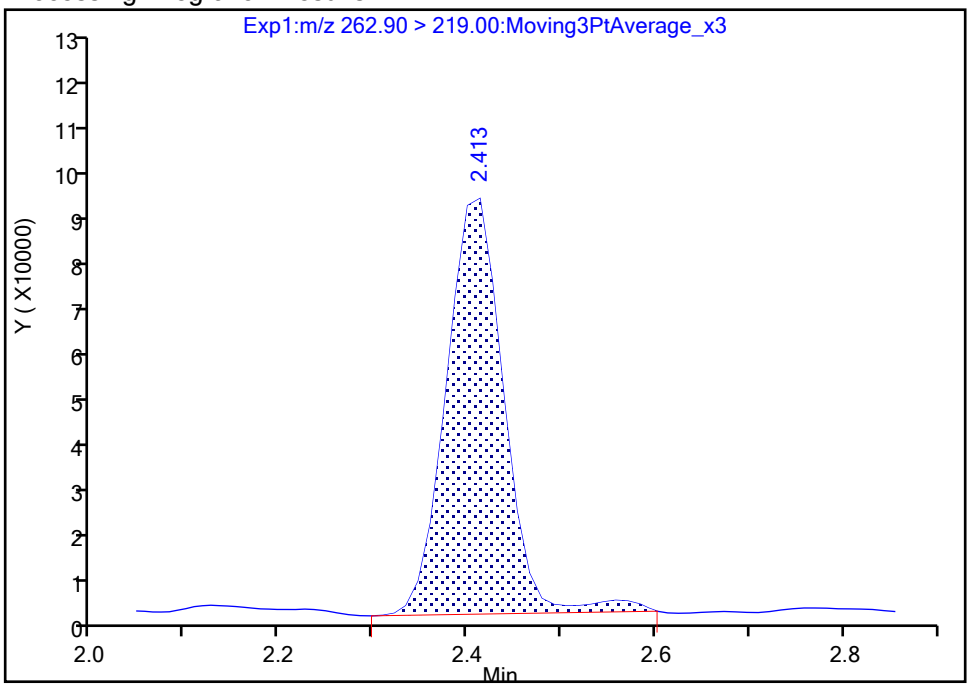
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Injection Date:	22-Dec-2020 13:04:47	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	4	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

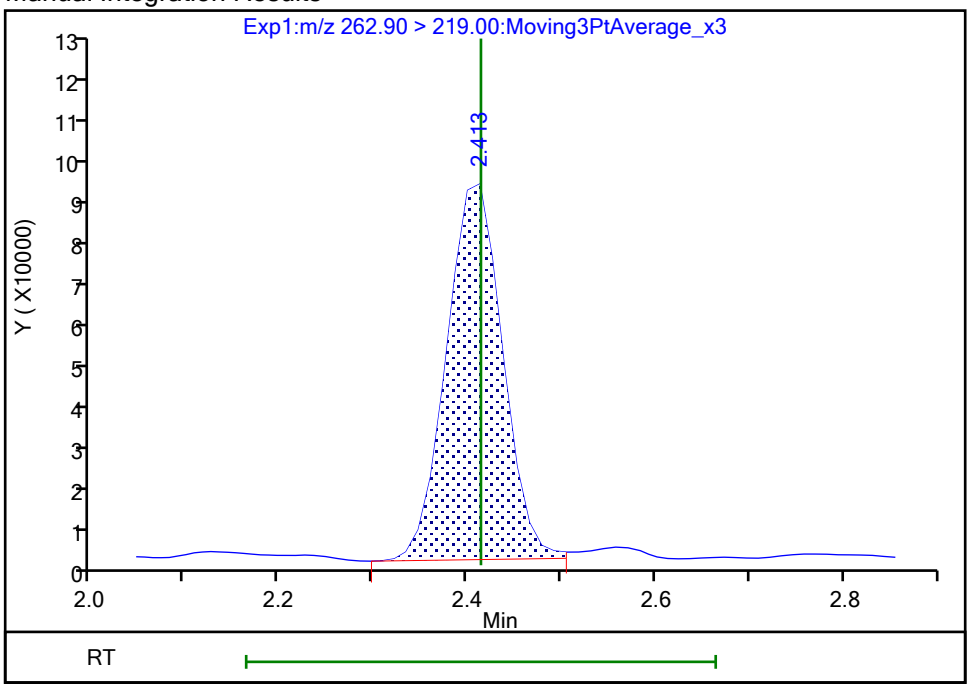
Processing Integration Results

RT: 2.41
Area: 376357
Amount: 0.514937
Amount Units: ng/ml



Manual Integration Results

RT: 2.41
Area: 366588
Amount: 0.483194
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:51:30
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

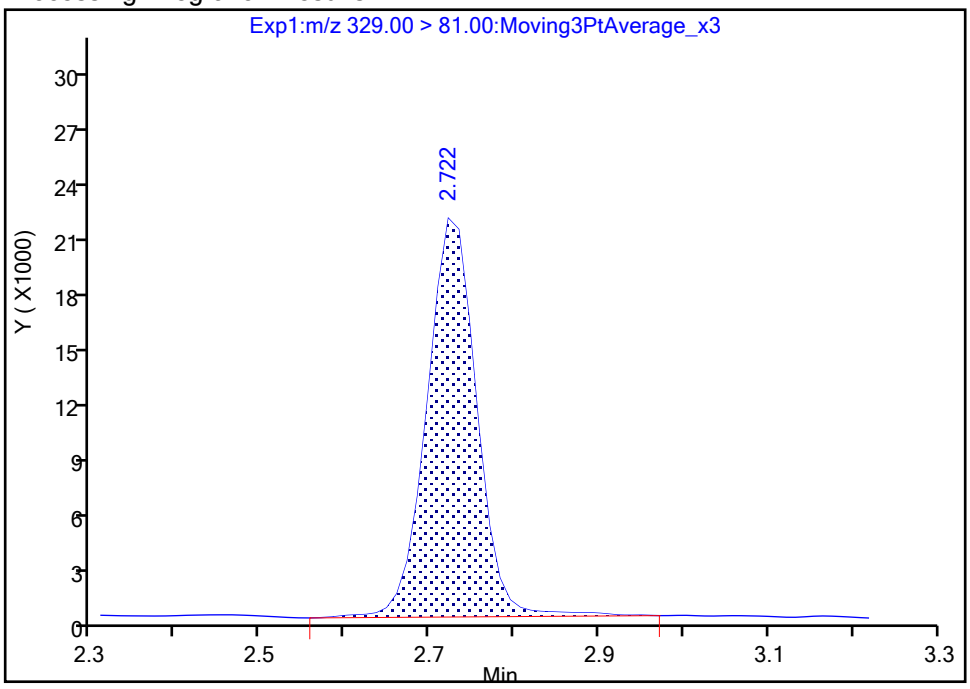
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Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	4	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 60 M2-4:2 FTS, CAS: STL02395

Signal: 1

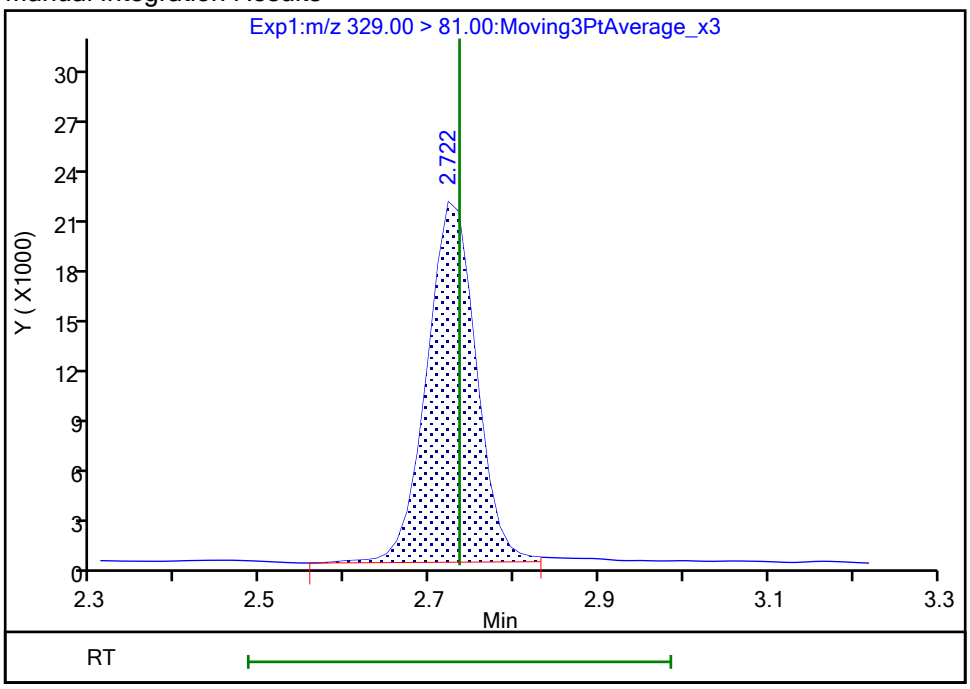
Processing Integration Results

RT: 2.72
Area: 87005
Amount: 1.182952
Amount Units: ng/ml



Manual Integration Results

RT: 2.72
Area: 85984
Amount: 1.167398
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:51:39
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

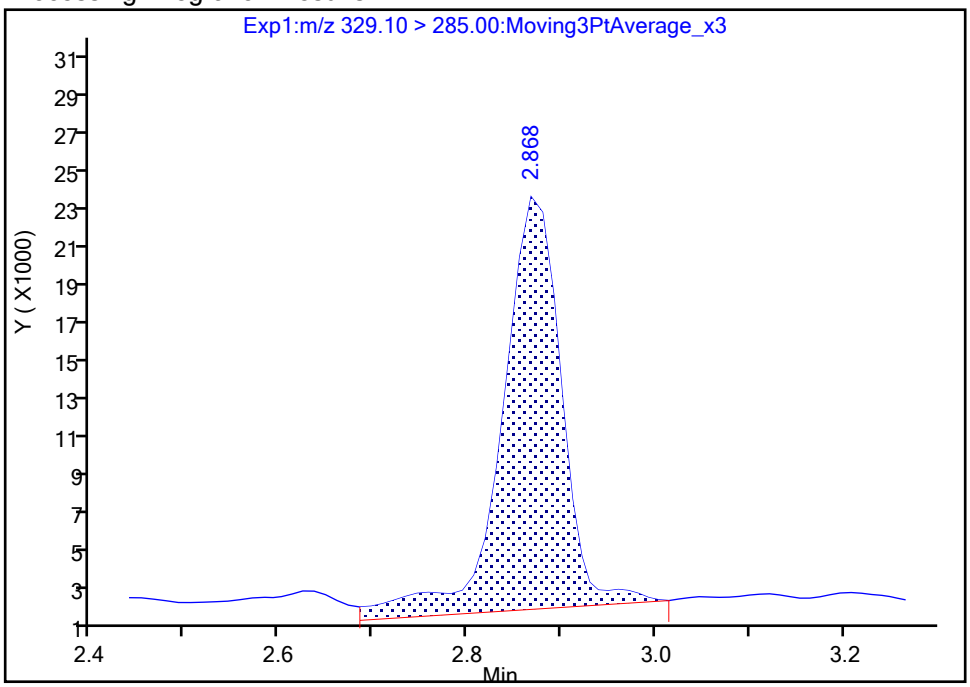
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Injection Date:	22-Dec-2020 13:04:47	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	4	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

67 Perfluoro(2-propoxypropanoic) ac, CAS: 13252-13-6

Signal: 1

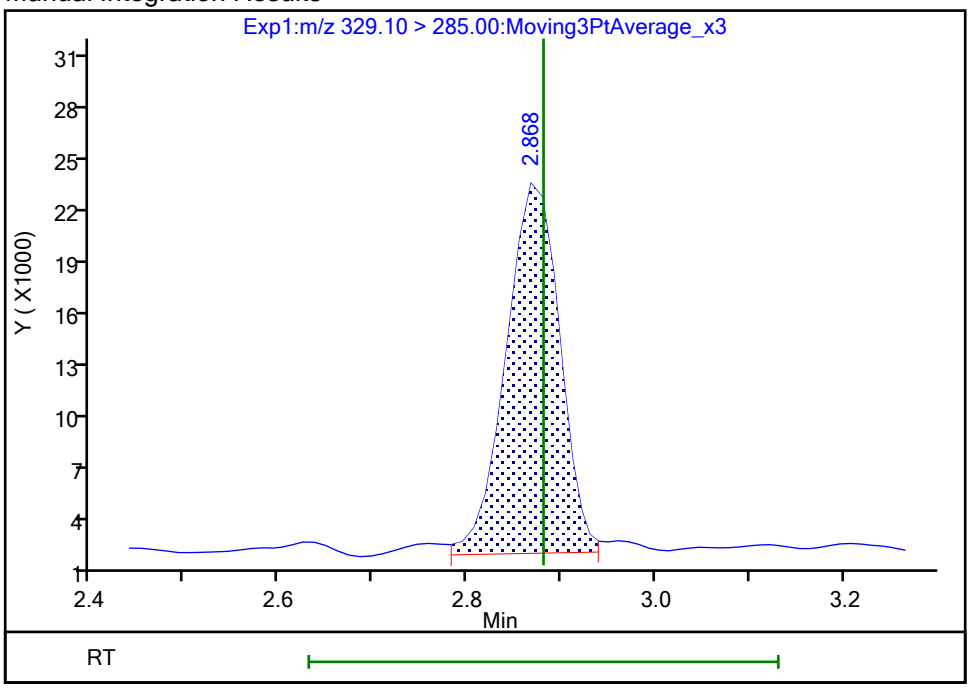
Processing Integration Results

RT: 2.87
Area: 95640
Amount: 0.527822
Amount Units: ng/ml



Manual Integration Results

RT: 2.87
Area: 84587
Amount: 0.441734
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:52:01

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

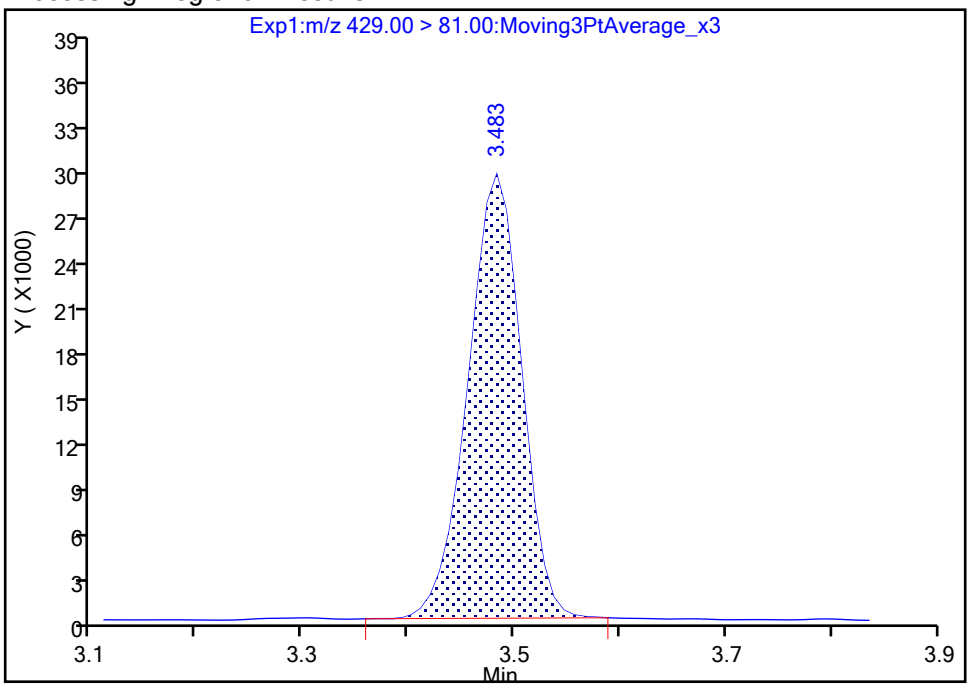
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Injection Date:	22-Dec-2020 13:04:47	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	4	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 12 M2-6:2 FTS, CAS: STL02279

Signal: 1

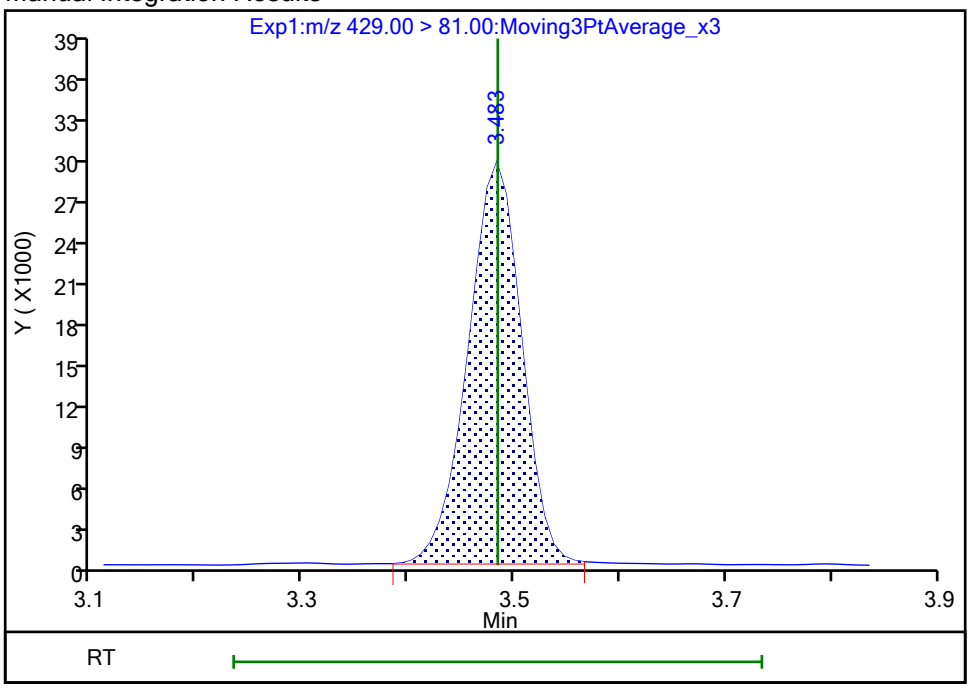
Processing Integration Results

RT: 3.48
Area: 102045
Amount: 1.245762
Amount Units: ng/ml



Manual Integration Results

RT: 3.48
Area: 102545
Amount: 1.250373
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:52:25

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

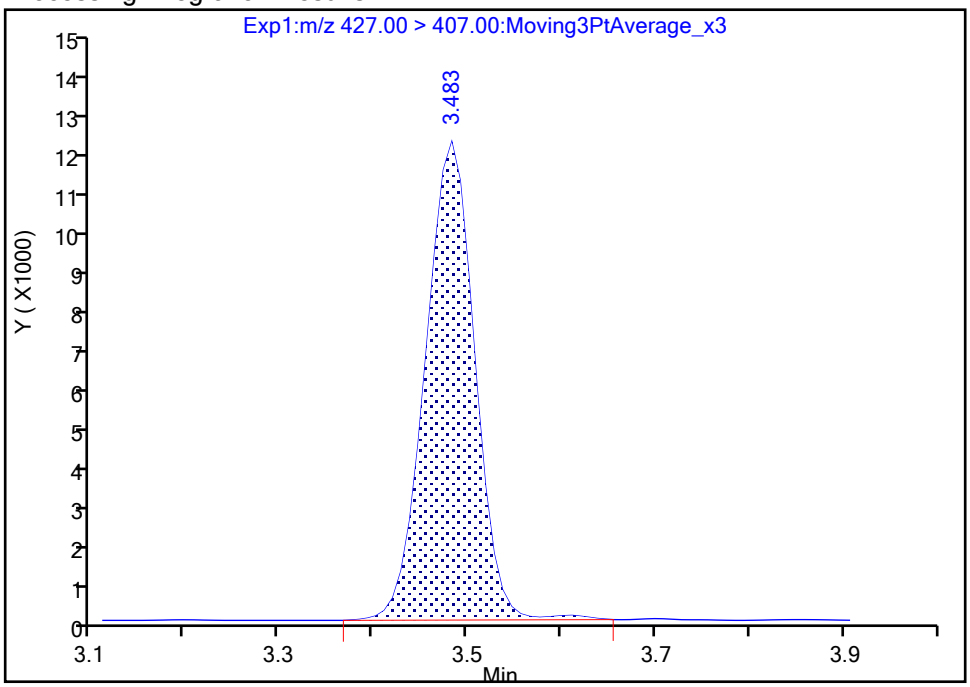
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL010.d				
Injection Date:	22-Dec-2020 13:04:47	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	4	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

Signal: 1

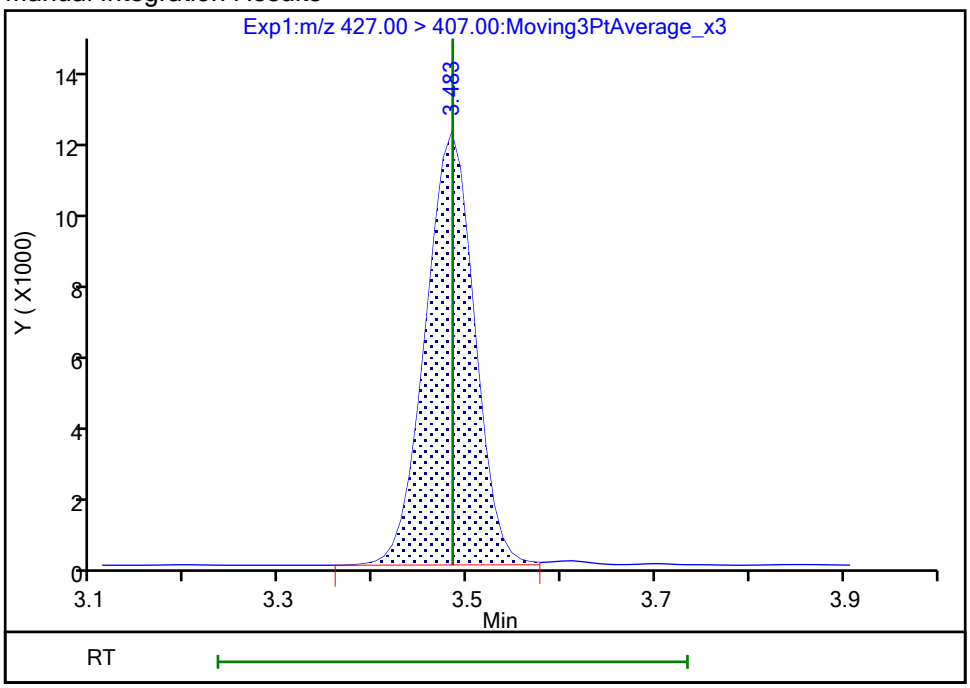
Processing Integration Results

RT: 3.48
Area: 43369
Amount: 0.450504
Amount Units: ng/ml



Manual Integration Results

RT: 3.48
Area: 43065
Amount: 0.448336
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:52:39

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

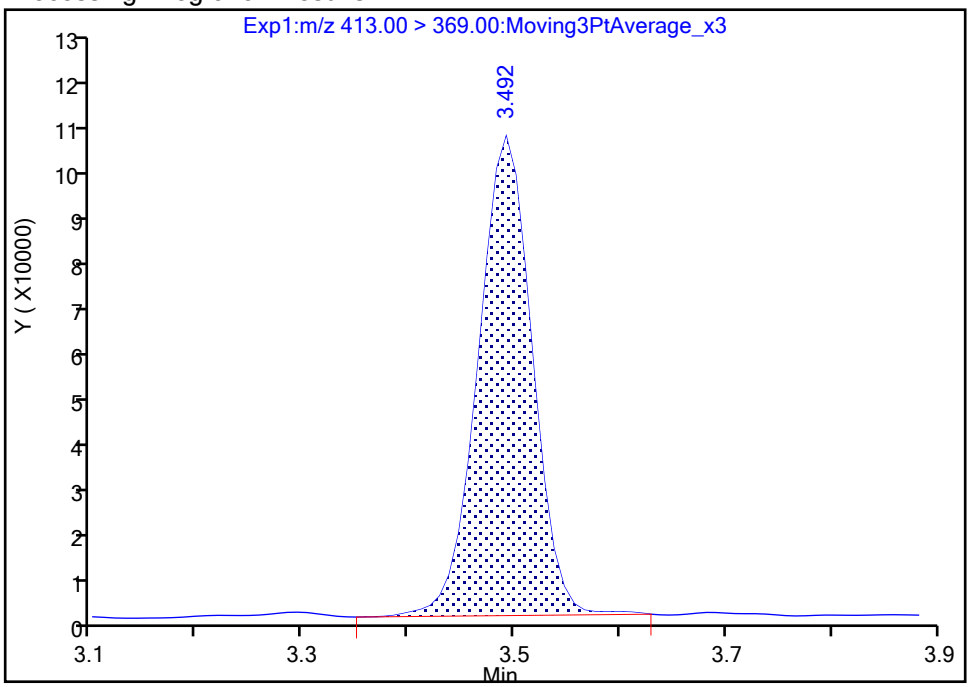
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL010.d				
Injection Date:	22-Dec-2020 13:04:47	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	4	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

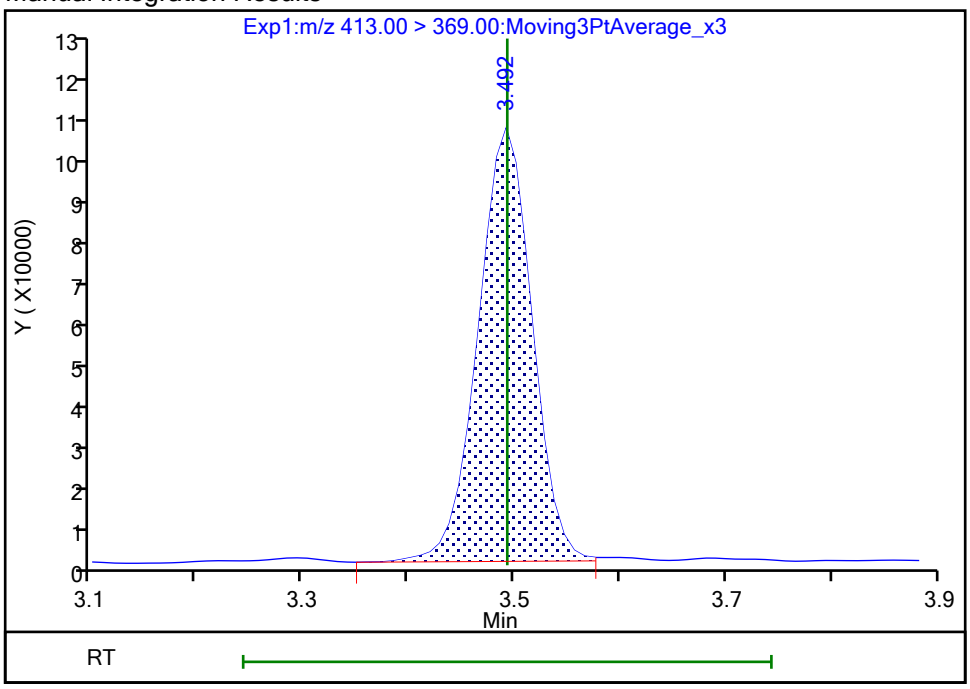
Processing Integration Results

RT: 3.49
Area: 368121
Amount: 0.509972
Amount Units: ng/ml



Manual Integration Results

RT: 3.49
Area: 367859
Amount: 0.494714
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:53:04

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

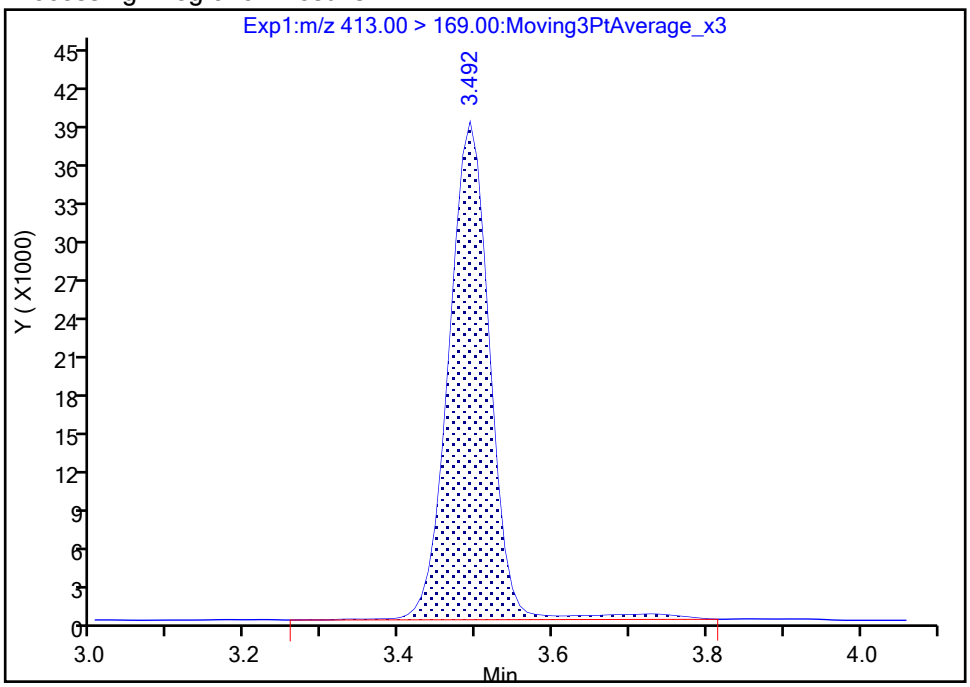
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL010.d				
Injection Date:	22-Dec-2020 13:04:47	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	4	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

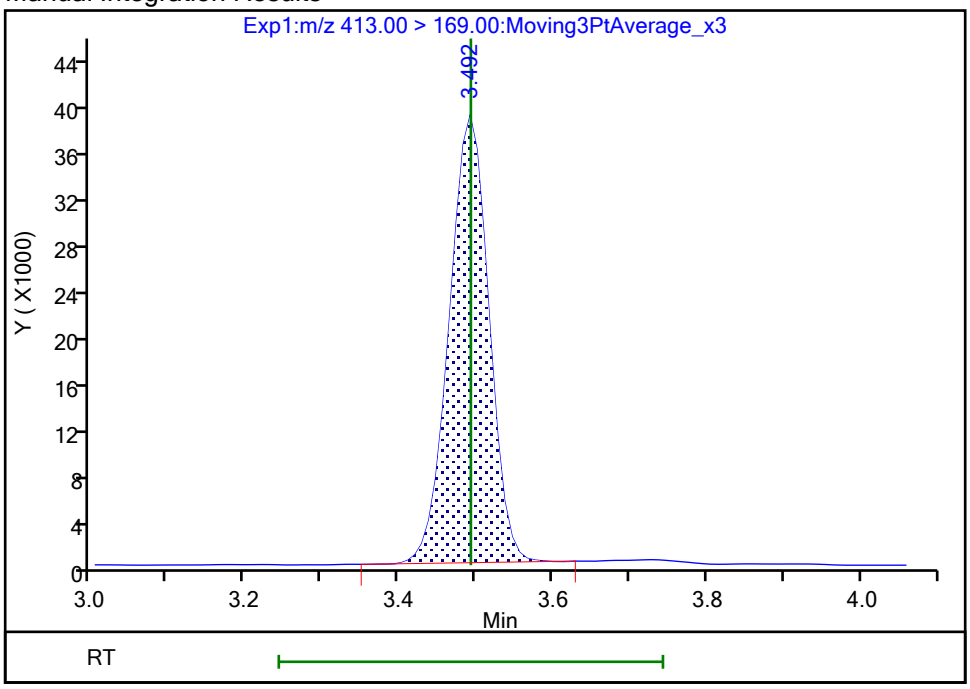
Processing Integration Results

RT: 3.49
Area: 145339
Amount: 0.509972
Amount Units: ng/ml



Manual Integration Results

RT: 3.49
Area: 139299
Amount: 0.494714
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:53:09

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

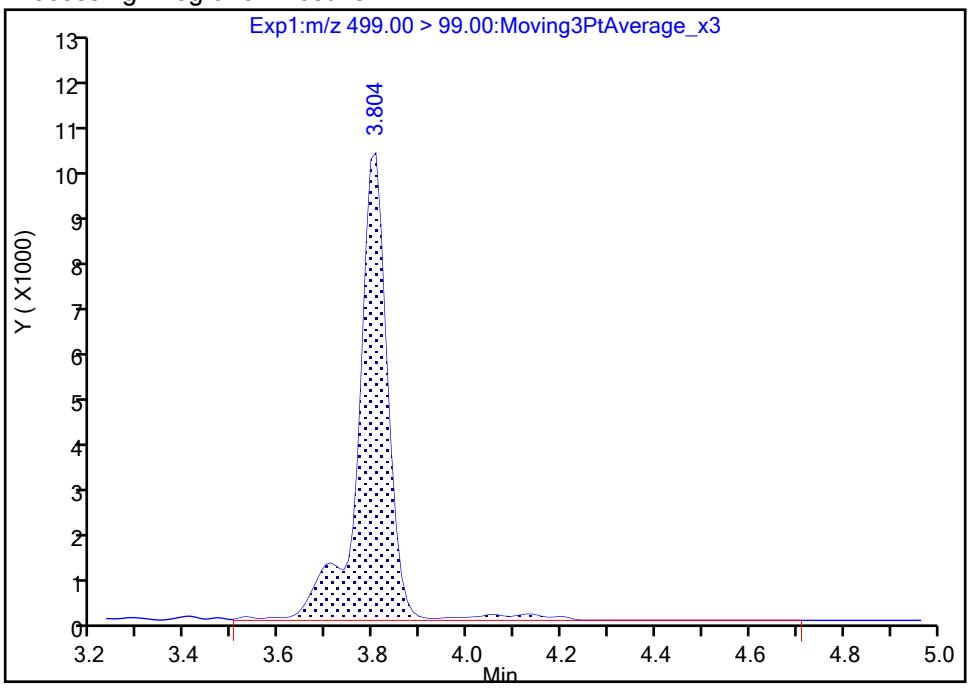
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL010.d				
Injection Date:	22-Dec-2020 13:04:47	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	4	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

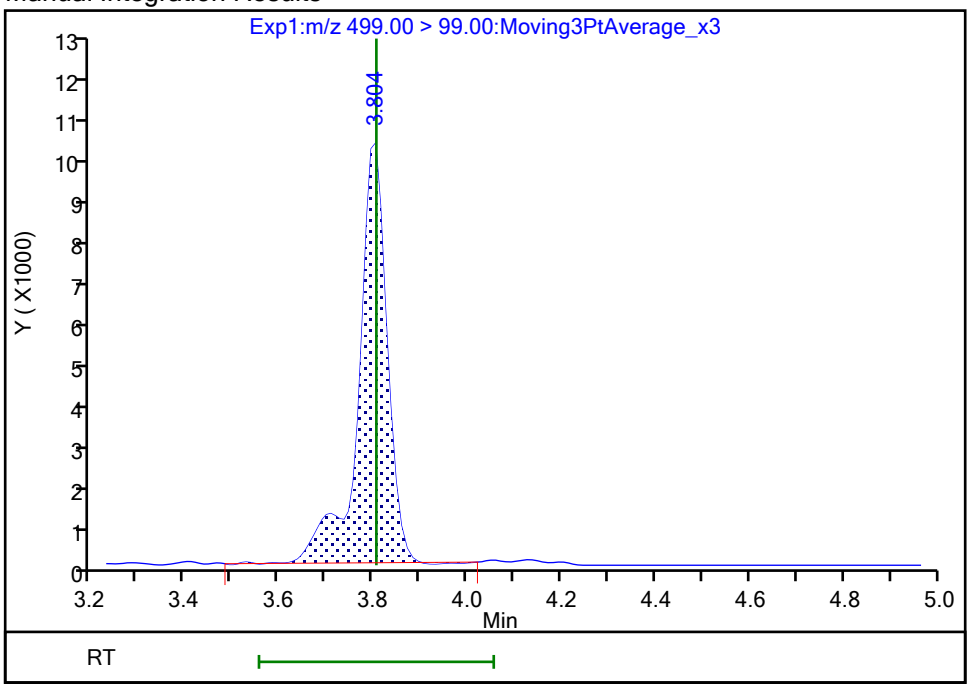
Processing Integration Results

RT: 3.80
Area: 43473
Amount: 0.493773
Amount Units: ng/ml



Manual Integration Results

RT: 3.80
Area: 40689
Amount: 0.466267
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:53:23

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

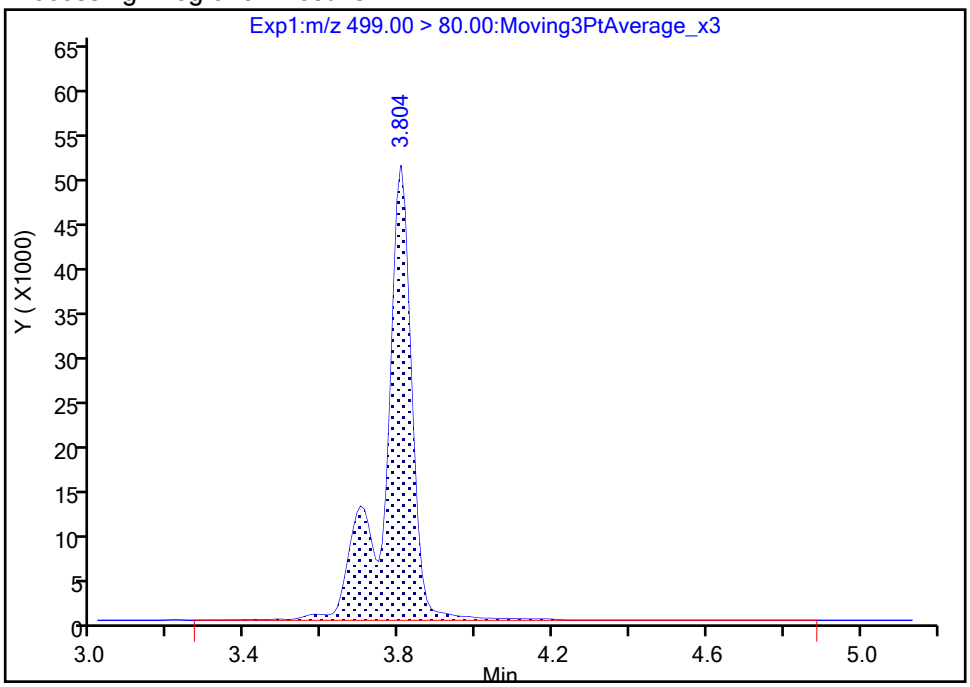
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL010.d				
Injection Date:	22-Dec-2020 13:04:47	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	4	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

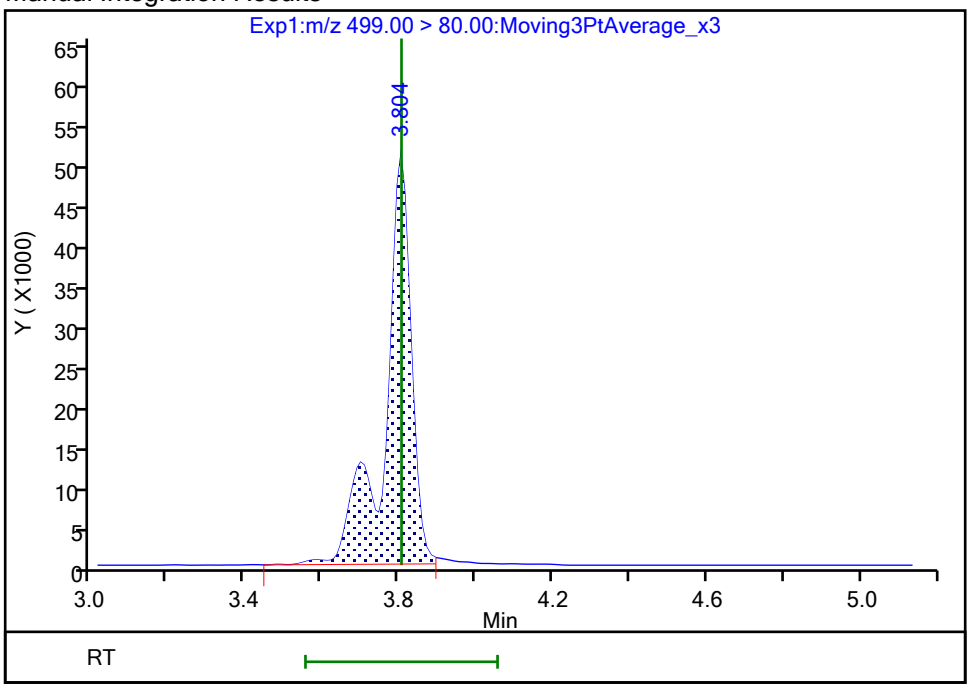
Processing Integration Results

RT: 3.80
Area: 252343
Amount: 0.493773
Amount Units: ng/ml



Manual Integration Results

RT: 3.80
Area: 243758
Amount: 0.466267
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:53:27

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

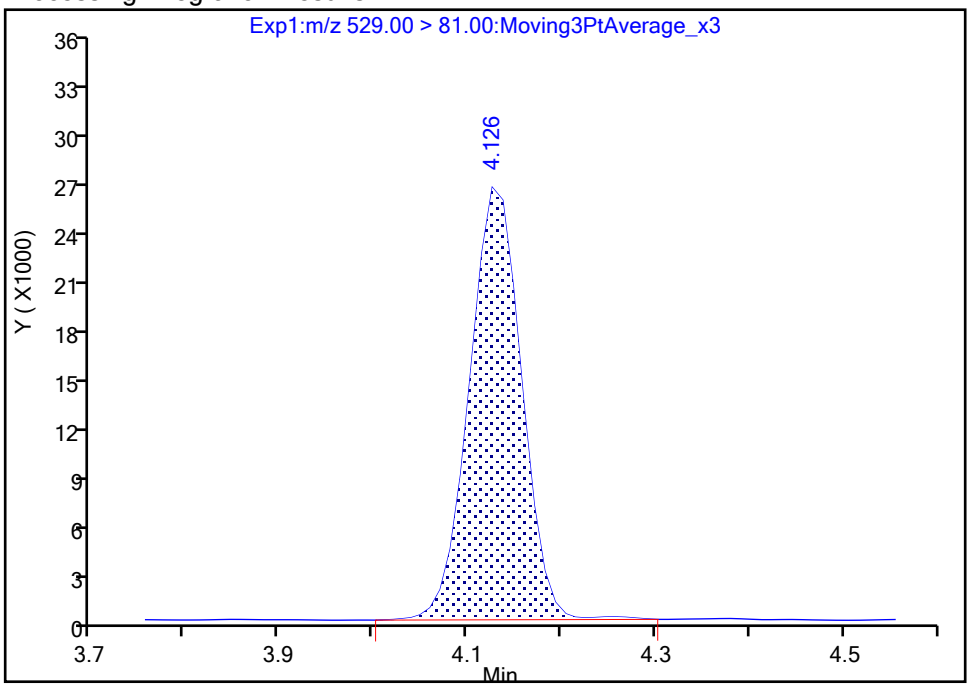
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL010.d				
Injection Date:	22-Dec-2020 13:04:47	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	4	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 26 M2-8:2 FTS, CAS: STL02280

Signal: 1

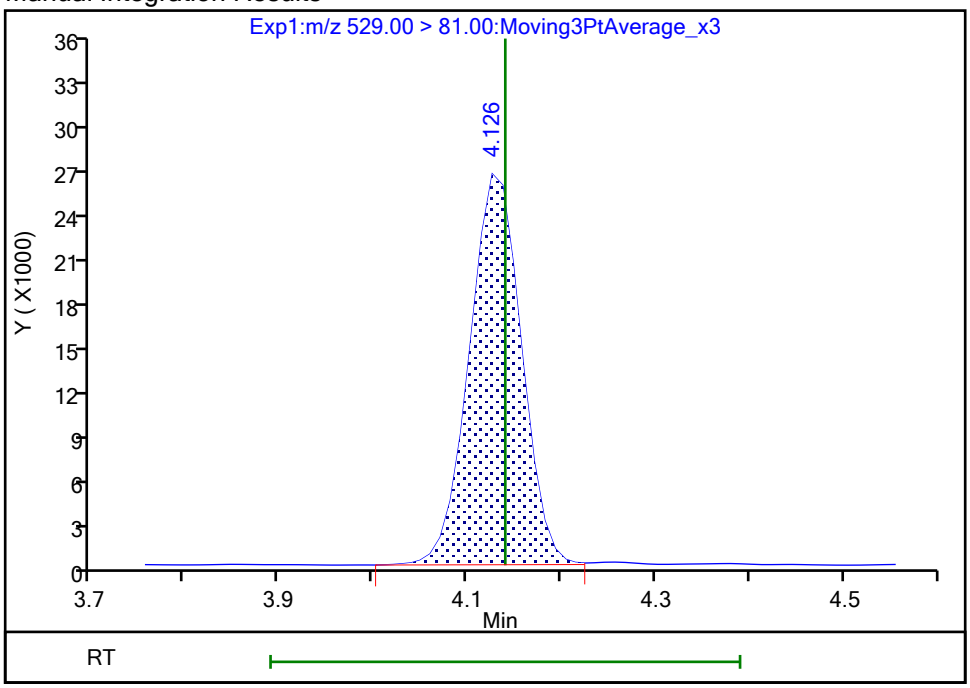
Processing Integration Results

RT: 4.13
Area: 100736
Amount: 1.203135
Amount Units: ng/ml



Manual Integration Results

RT: 4.13
Area: 100274
Amount: 1.184999
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:53:41
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

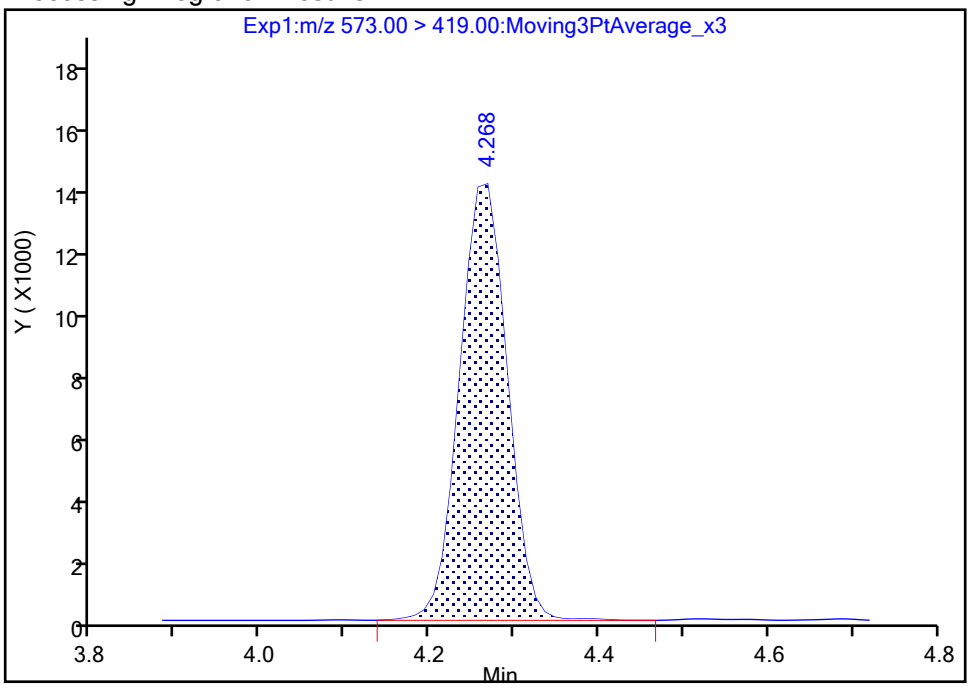
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL010.d				
Injection Date:	22-Dec-2020 13:04:47	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	4	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

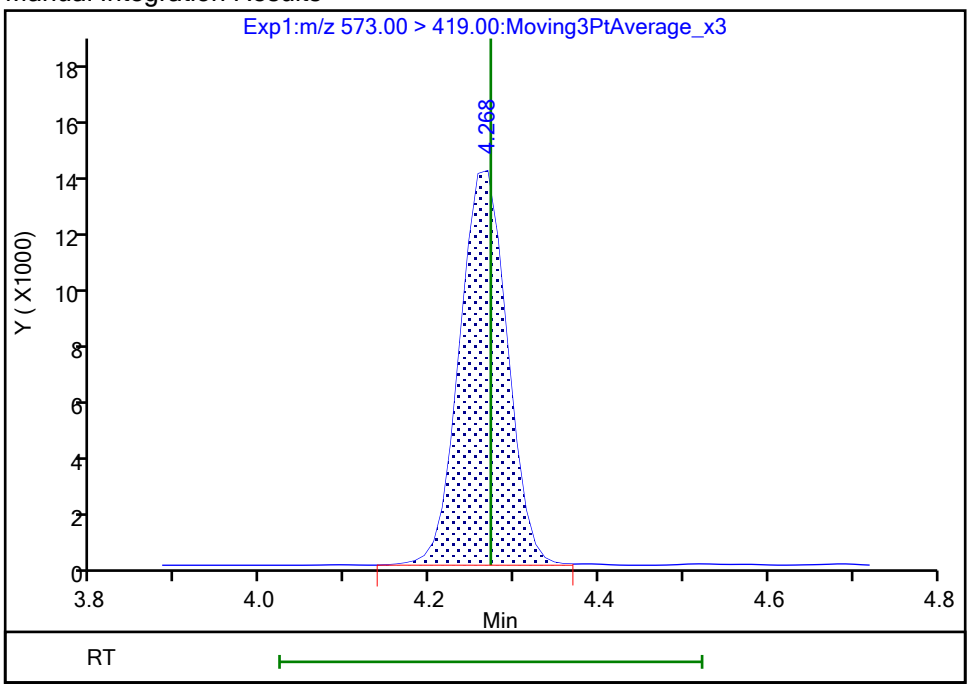
Processing Integration Results

RT: 4.27
Area: 54433
Amount: 1.307455
Amount Units: ng/ml



Manual Integration Results

RT: 4.27
Area: 54321
Amount: 1.298778
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:53:51
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

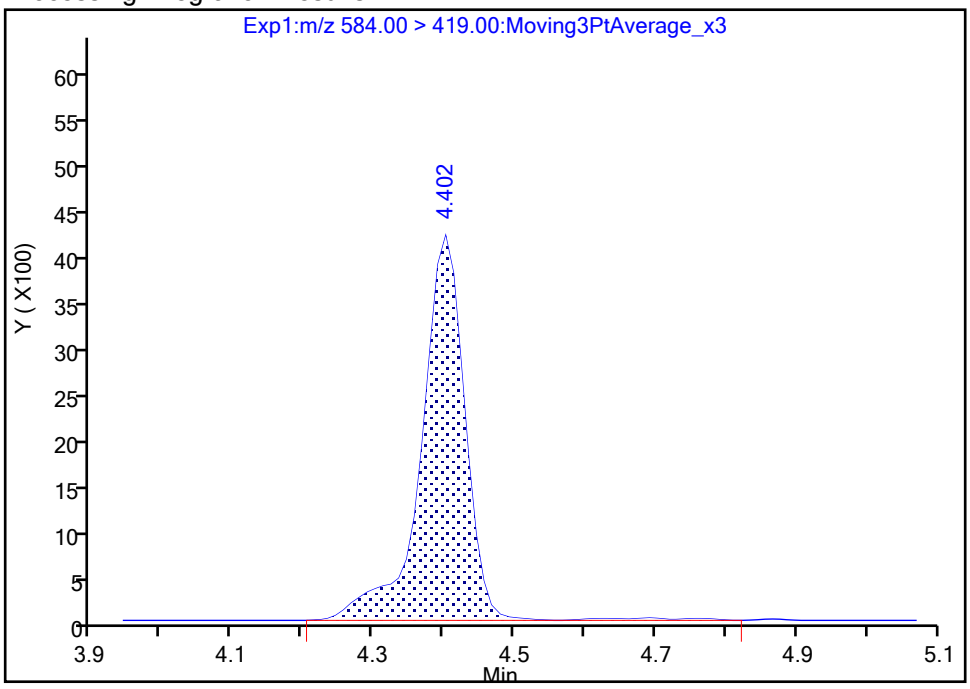
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL010.d				
Injection Date:	22-Dec-2020 13:04:47	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	4	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

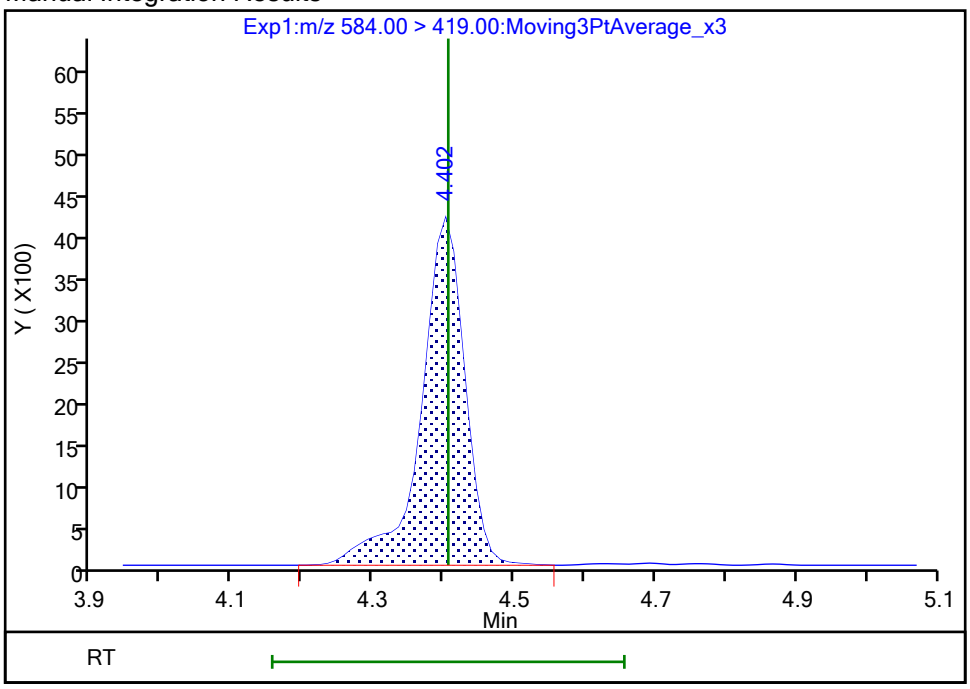
Processing Integration Results

RT: 4.40
Area: 18376
Amount: 0.467982
Amount Units: ng/ml



Manual Integration Results

RT: 4.40
Area: 18172
Amount: 0.470712
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:54:12
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL011.d
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 4
Inject. Date: 22-Dec-2020 13:13:03 ALS Bottle#: 5 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: ICIS
Misc. Info.: 200-0044184-011 Plate: 1 Rack: 1
Operator ID: lc812tech Instrument ID: LC812
Sublist: chrom-PFC_LC812*sub3

Method: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 22-Dec-2020 14:39:31 Calib Date: 22-Dec-2020 13:29:37
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1625

First Level Reviewer: deannd Date: 22-Dec-2020 13:57:34
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.091	2.091	0.0	0.599	1185176	1.24		99.2	10280	
2 Perfluorobutanoic acid										
212.90 > 169.00	2.091	2.091	0.0	1.000	881958	0.9283		92.8	114	
D 3 13C5 PFPeA										
267.90 > 223.00	2.414	2.414	0.0	0.691	843580	1.22		97.7	2846	
4 Perfluoropentanoic acid										
262.90 > 219.00	2.414	2.414	0.0	1.000	714864	0.9566		95.7	28.1	
D 47 13C3 PFBS										
301.90 > 80.00	2.427	2.427	0.0	0.695	1062494	1.17		101	398684	
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.427	2.427	0.0	1.000	865582	0.8371	Target=2.21	94.7	1429	
298.90 > 99.00	2.427	2.427	0.0	1.000	391368		2.21(1.10-3.31)	94.7	429	
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.735	2.735	0.0	1.000	123314	0.9093		97.4	1431	
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.735	2.735	0.0	0.783	86339	1.14		97.5	95.9	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.771	2.771	0.0	0.793	895585	1.24		98.9	2915	
6 Perfluorohexanoic acid										
313.00 > 269.00	2.771	2.771	0.0	1.000	765249	0.9777	Target=12.17	97.8	193	
313.00 > 119.00	2.771	2.771	0.0	1.000	59624		12.83(6.09-18.26)	97.8	105	
70 Perfluoropentanesulfonic acid										
349.00 > 80.00	2.771	2.771	0.0	0.885	800668	0.9381	Target=3.32	100	1524	
349.00 > 99.00	2.771	2.771	0.0	0.885	239318		3.35(1.66-4.98)	100	463	
67 Perfluoro(2-propoxypropanoic) ac										M
329.10 > 285.00	2.881	2.881	0.0	1.000	169678	0.9151		91.5	19.0	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 64 13C3 HFPO-DA										
332.10 > 287.00	2.881	2.881	0.0	0.825	167297	1.31		105	1158	
D 11 18O2 PFHxS										
403.00 > 84.00	3.133	3.133	0.0	0.897	769056	1.14		96.1	2513	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.133	3.133	0.0	1.000	671571	0.8762	Target=4.08	96.3	623	
399.00 > 99.00	3.133	3.133	0.0	1.000	161822		4.15(2.04-6.11)	96.3	175	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.133	3.133	0.0	0.897	849594	1.23		98.0	2733	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.133	3.133	0.0	1.000	723792	0.9750	Target=3.70	97.5	176	
363.00 > 169.00	3.133	3.133	0.0	1.000	197811		3.66(1.85-5.56)	97.5	484	
77 DONA										
377.00 > 251.00	3.176	3.176	0.0	0.835	1397912	0.9000	Target=2.47	95.5	1291	
377.00 > 85.00	3.176	3.176	0.0	0.835	574726		2.43(1.23-3.70)	95.5	519	
16 Perfluoroheptanesulfonic acid										
449.00 > 80.00	3.484	3.484	0.0	0.916	572696	0.9144	Target=5.85	96.1	2707	
449.00 > 99.00	3.484	3.484	0.0	0.916	96214		5.95(2.93-8.78)	96.1	548	
D 12 M2-6:2 FTS										M
429.00 > 81.00	3.484	3.484	0.0	0.997	96952	1.15		96.6	475	M
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.484	3.484	0.0	1.000	91369	1.01		106	727	
D 14 13C4 PFOA										
417.00 > 372.00	3.493	3.493	0.0	1.000	869201	1.23		98.7	5713	
* 62 13C2 PFOA										
415.00 > 370.00	3.493	3.493	0.0		889632	1.25			2744	
15 Perfluorooctanoic acid										
413.00 > 369.00	3.493	3.493	0.0	1.000	740338	0.9822	Target=2.58	98.2	177	
413.00 > 169.00	3.493	3.493	0.0	1.000	286978		2.58(1.29-3.87)	98.2	628	
D 18 13C4 PFOS										
503.00 > 80.00	3.806	3.806	0.0	1.089	554310	1.19		99.8	1960	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.806	3.806	0.0	1.000	463174	0.8682	Target=5.56	93.6	522	M
499.00 > 99.00	3.806	3.806	0.0	1.000	82037		5.65(2.78-8.34)	93.6	317	M
D 19 13C5 PFNA										
468.00 > 423.00	3.826	3.826	0.0	1.095	760016	1.22		97.9	3695	
20 Perfluorononanoic acid										
463.00 > 419.00	3.826	3.826	0.0	1.000	649860	0.9656	Target=6.87	96.6	110	
463.00 > 169.00	3.826	3.826	0.0	1.000	87334		7.44(3.43-10.30)	96.6	640	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.967	3.967	0.0	1.042	545155	0.9159		98.3	2096	
68 Perfluorononanesulfonic acid										M
549.00 > 80.00	4.095	4.095	0.0	1.076	341392	0.8577	Target=2.78	89.3	1751	
549.00 > 99.00	4.095	4.095	0.0	1.076	134385		2.54(1.39-4.17)	89.3	357	M
D 23 13C2 PFDA										
515.00 > 470.00	4.129	4.129	0.0	1.182	722168	1.22		97.3	7907	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										
513.00 > 469.00	4.129	4.129	0.0	1.000	604674	1.02	Target=9.03	102	401	
513.00 > 169.00	4.129	4.129	0.0	1.000	65108		9.29(4.51-13.54)	102	408	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.140	4.140	0.0	1.000	51395	0.8998		93.9	944	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.140	4.140	0.0	1.185	100569	1.15		96.3	455	
D 21 13C8 FOSA										
506.00 > 78.00	4.207	4.207	0.0	1.204	1069567	1.22		98.0	1916	
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.207	4.207	0.0	1.000	853072	0.99		99.5	2290	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.272	4.272	0.0	1.223	52781	1.23		98.0	124	
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.272	4.272	0.0	1.000	38043	1.02		102	275	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.362	4.362	0.0	1.146	302428	0.9531	Target=2.76	98.9	1641	
599.00 > 99.00	4.362	4.362	0.0	1.146	108196		2.80(1.38-4.14)	98.9	554	
D 30 13C2 PFUnA										
565.00 > 520.00	4.384	4.384	0.0	1.255	595523	1.22		97.6	2499	
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.395	4.395	0.0	1.003	493796	1.02	Target=8.02	102	177	
563.00 > 169.00	4.395	4.395	0.0	1.003	60802		8.12(4.01-12.03)	102	1209	
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.395	4.395	0.0	1.258	50481	1.21		97.0	447	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.406	4.406	0.0	1.003	35802	0.9577		95.8	637	M
66 11-Chloroeicosafluoro-3-oxaundec										M
631.00 > 451.00	4.485	4.485	0.0	1.179	584047	0.9457		100	1618	M
D 36 13C2 PFDoA										
615.00 > 570.00	4.626	4.626	0.0	1.324	641373	1.25		99.6	1825	
37 Perfluorododecanoic acid										
613.00 > 569.00	4.626	4.626	0.0	1.000	546074	0.9676	Target=6.85	96.8	153	
613.00 > 169.00	4.616	4.626	-0.010	0.998	79070		6.91(3.42-10.27)	96.8	1104	
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.637	4.637	0.0	1.120	28609	0.9729		101	523	
75 Perfluorododecanesulfonic acid (										M
699.00 > 80.00	4.797	4.797	0.0	1.260	106502	0.9123	Target=0.53	94.2	287	M
699.00 > 99.00	4.797	4.797	0.0	1.260	208152		0.51(0.26-0.79)	94.2	825	
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.839	4.839	0.0	1.046	448445	0.9792	Target=4.48	97.9	173	
663.00 > 169.00	4.839	4.839	0.0	1.046	102042		4.39(2.24-6.72)	97.9	959	
D 43 13C2 PFTeDA										
715.00 > 670.00	5.027	5.027	0.0	1.439	450404	1.18		94.6	1593	
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.027	5.027	0.0	1.000	71818	1.07	Target=0.99	107	1310	
713.00 > 219.00	5.018	5.027	-0.009	0.998	67692		1.06(0.50-1.49)	107	2370	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 44 13C2 PFHxDA										
815.00 > 770.00	5.374	5.374	0.0	1.539	496455	1.22		97.6	1772	
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.374	5.374	0.0	1.000	370408	0.9863	Target=4.02	98.6	105	
813.00 > 169.00	5.374	5.374	0.0	1.000	96475		3.84(2.01-6.02)	98.6	1401	
46 Perfluorooctadecanoic acid										
913.00 > 869.00	5.722	5.722	0.0	1.065	355381	0.99	Target=3.88	99.4	241	
913.00 > 169.00	5.722	5.722	0.0	1.065	90588		3.92(1.94-5.82)	99.4	794	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCIC4_00015 Amount Added: 100.00 Units: uL

Report Date: 22-Dec-2020 14:39:31 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL011.d

Injection Date: 22-Dec-2020 13:13:03 Instrument ID: LC812

Lims ID: ICIS

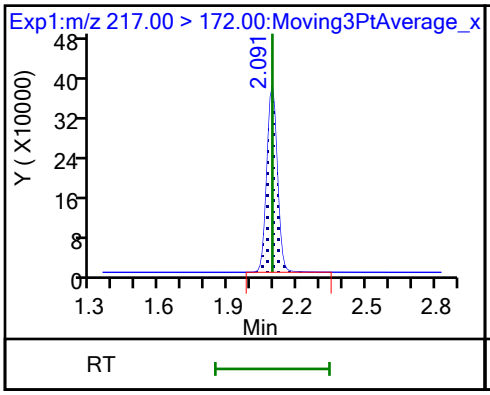
Client ID:

Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 11

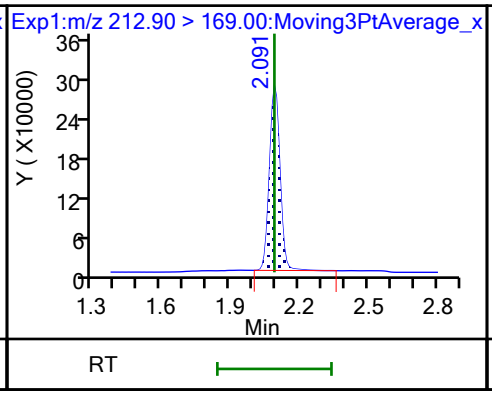
Injection Vol: 20.0 ul Dil. Factor: 1.0000

Method: PFC_LC812 Limit Group: LC_PFC_ICAL

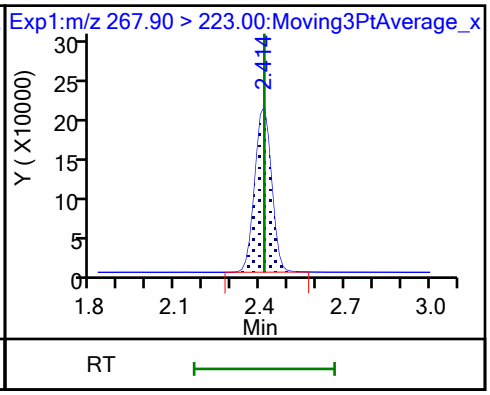
D 1 13C4 PFBA



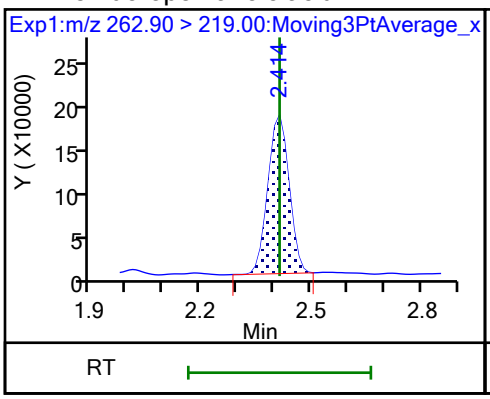
2 Perfluorobutanoic acid



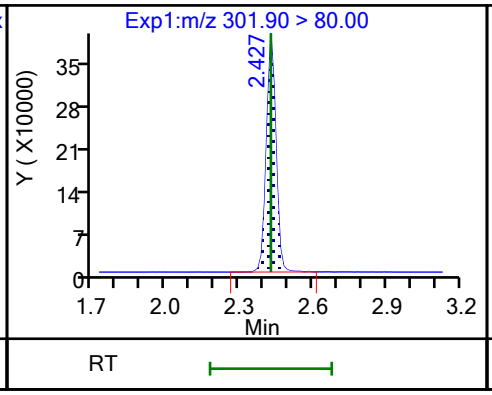
D 3 13C5 PFPeA



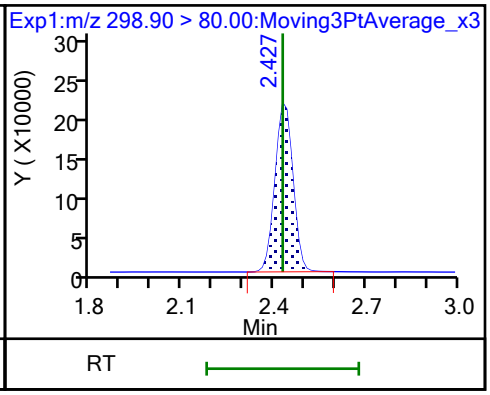
4 Perfluoropentanoic acid



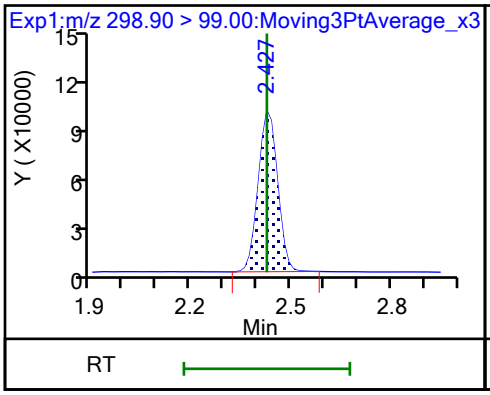
D 47 13C3 PFBS



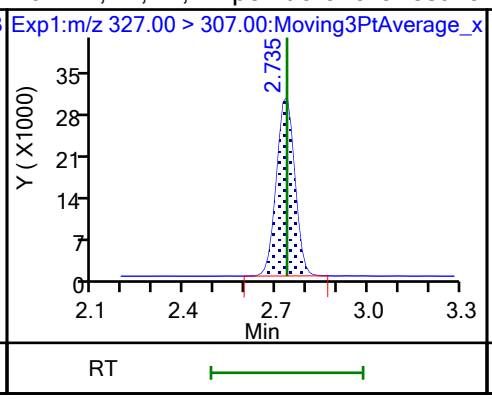
5 Perfluorobutanesulfonic acid



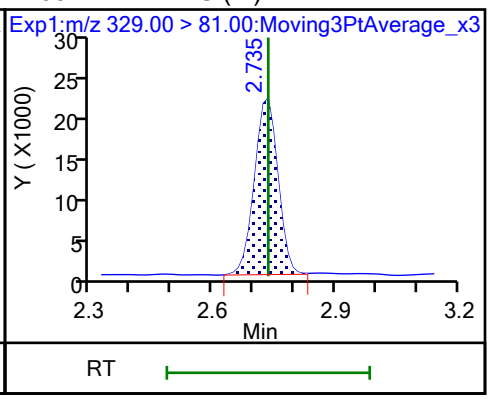
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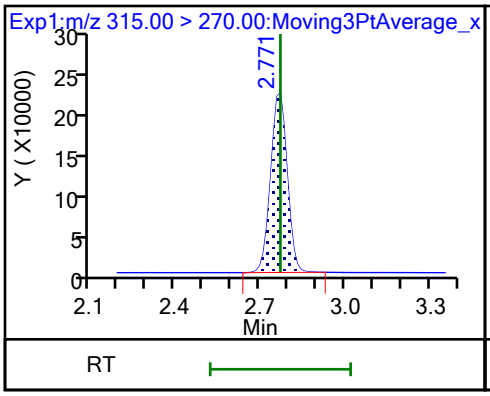
61 1H,1H,2H,2H-perfluorohexanesulfo



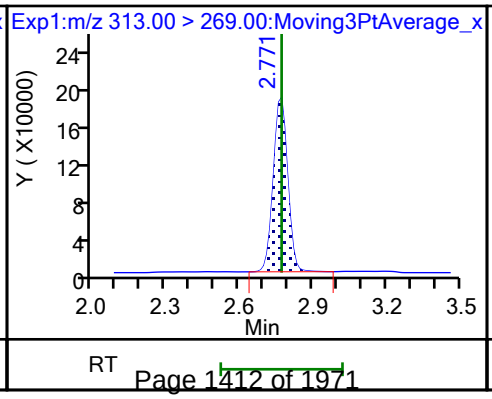
D 60 M2-4:2 FTS (M)



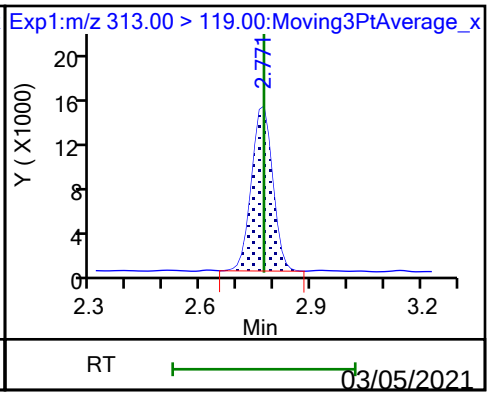
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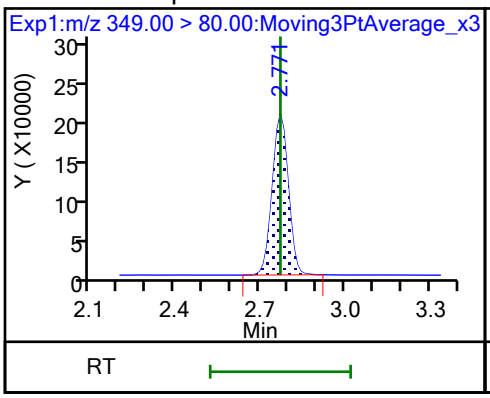
6 Perfluorohexanoic acid



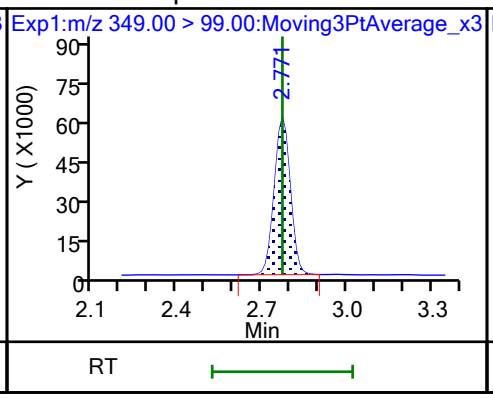
6 Perfluorohexanoic acid



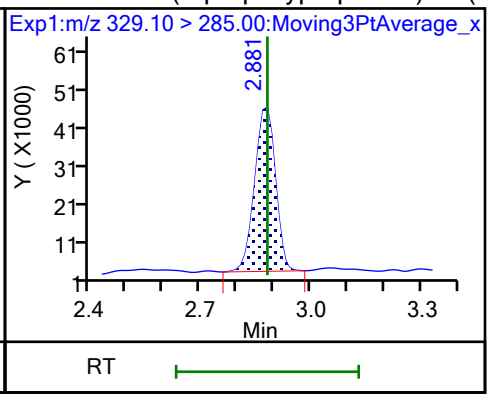
70 Perfluoropentanesulfonic acid



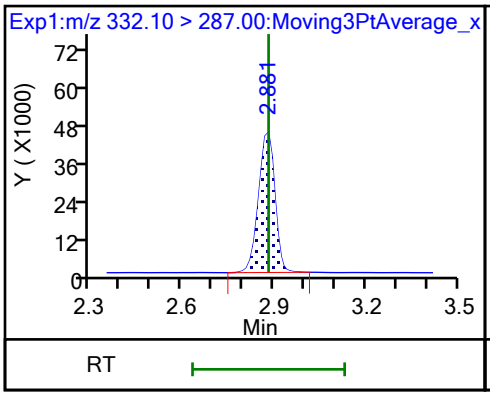
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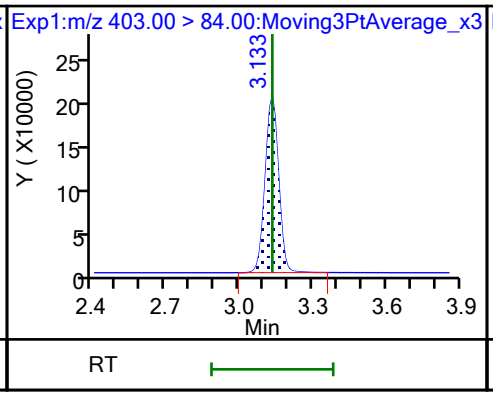
67 Perfluoro(2-propoxypropanoic) ac (M)



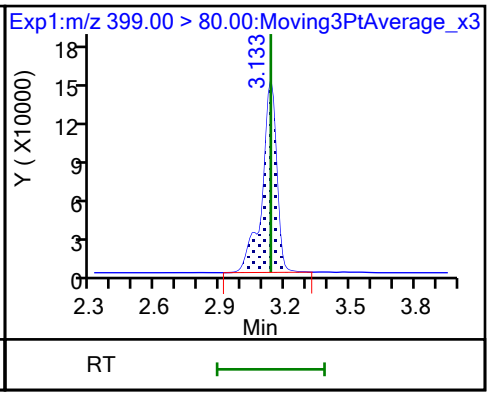
D 64 13C3 HFPO-DA



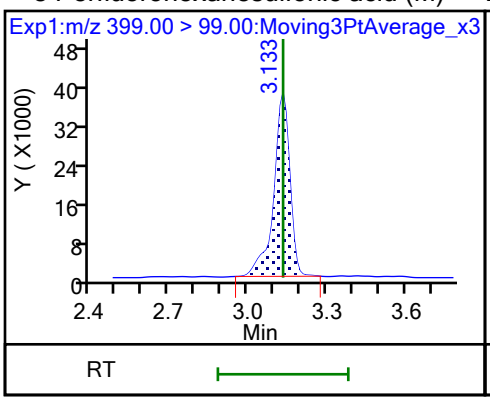
D 11 18O2 PFHxS



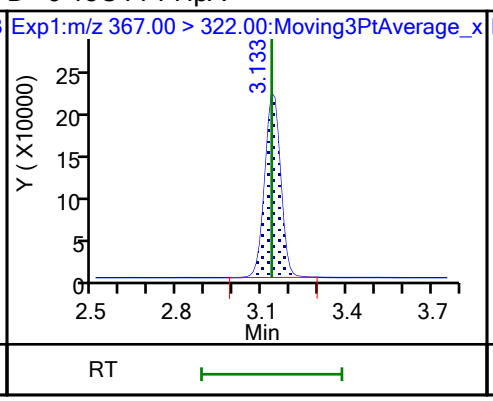
8 Perfluorohexanesulfonic acid



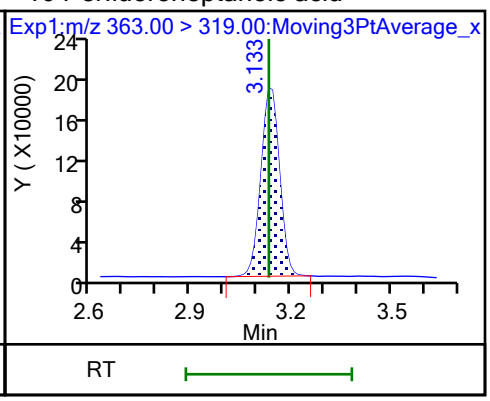
8 Perfluorohexanesulfonic acid (M)



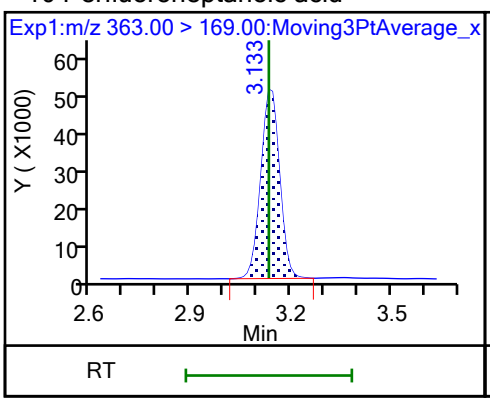
D 9 13C4 PFHpA



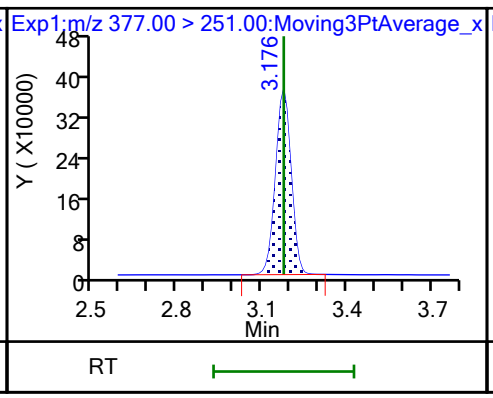
10 Perfluoroheptanoic acid



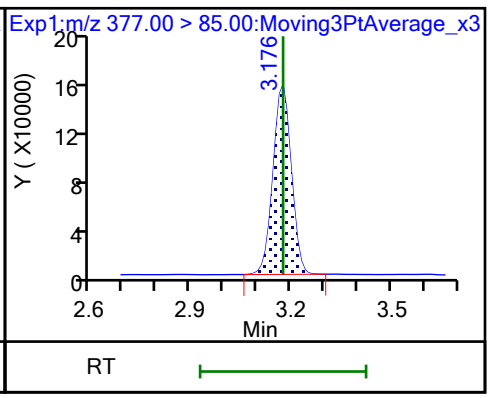
10 Perfluoroheptanoic acid



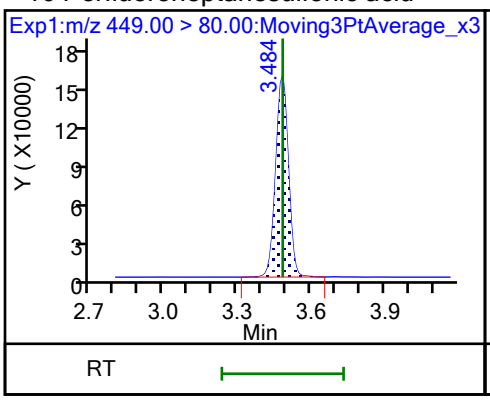
77 DONA



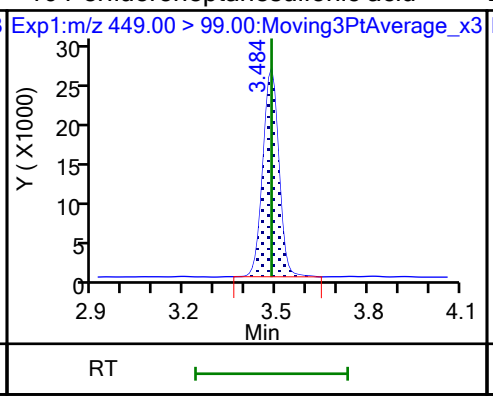
77 DONA



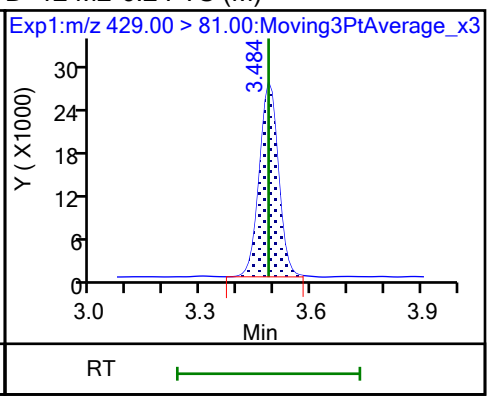
16 Perfluoroheptanesulfonic acid



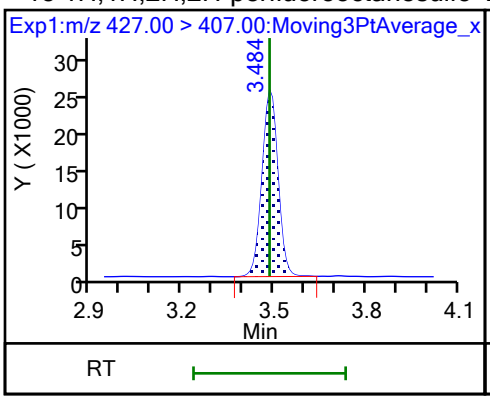
16 Perfluoroheptanesulfonic acid



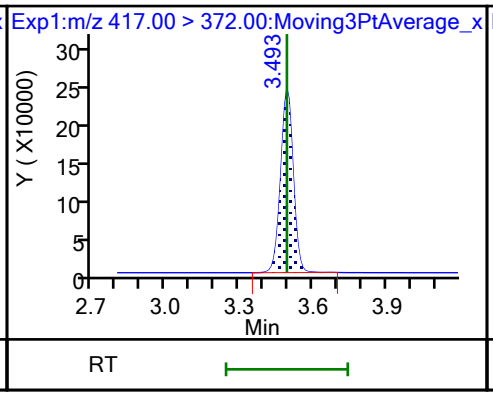
D 12 M2-6:2 FTS (M)



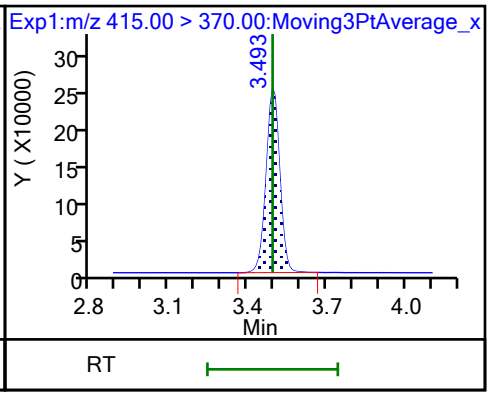
13 1H,1H,2H,2H-perfluorooctanesulfo



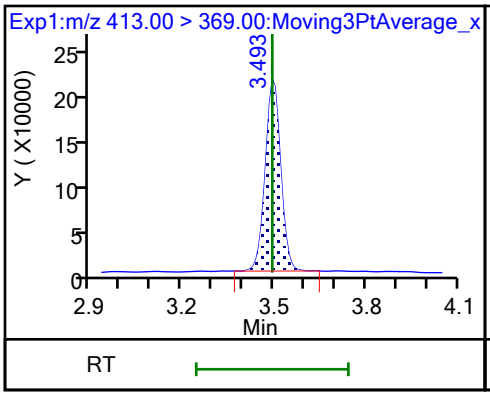
D 14 13C4 PFOA



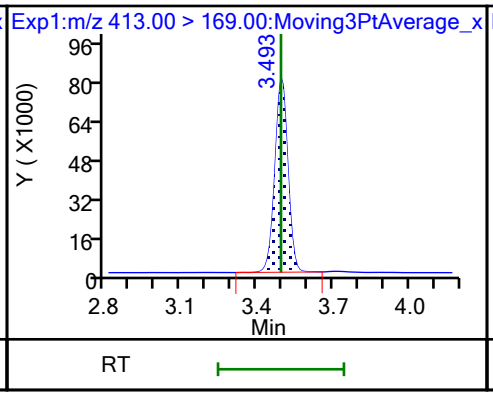
* 62 13C2 PFOA



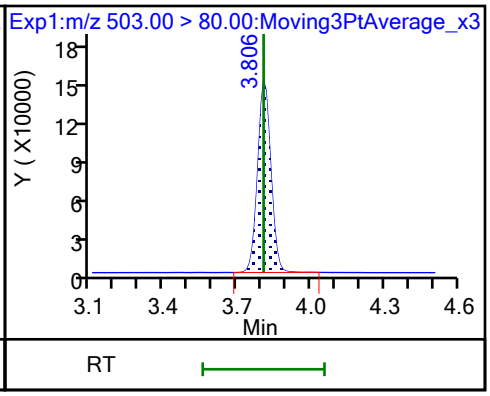
15 Perfluorooctanoic acid



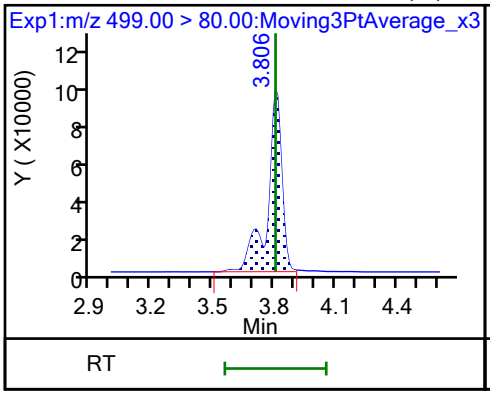
15 Perfluorooctanoic acid



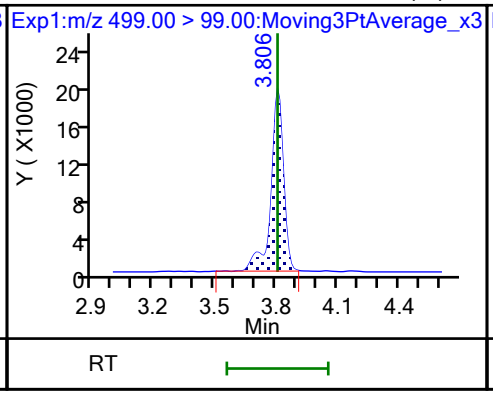
D 18 13C4 PFOS



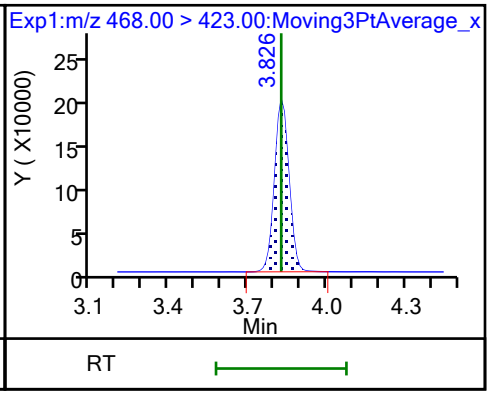
17 Perfluorooctanesulfonic acid (M)



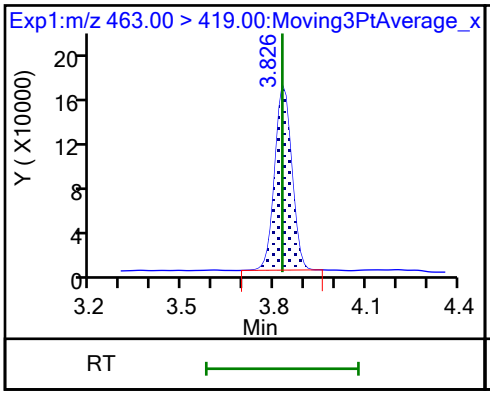
17 Perfluorooctanesulfonic acid (M)



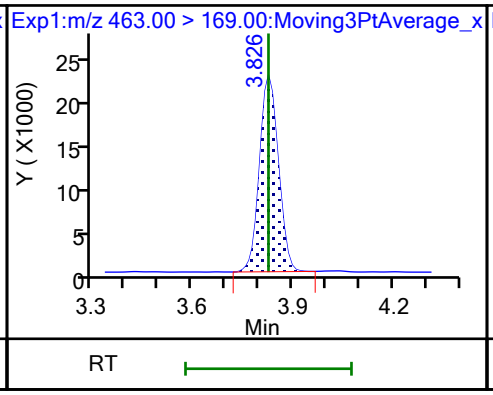
D 19 13C5 PFNA



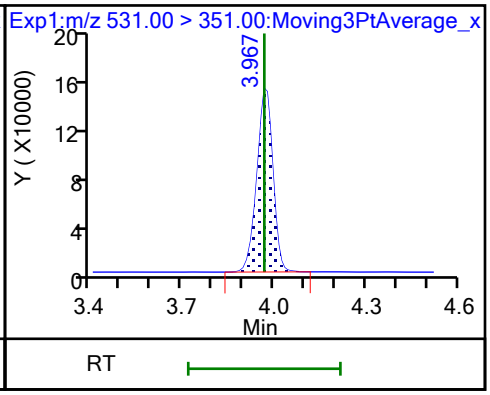
20 Perfluorononanoic acid



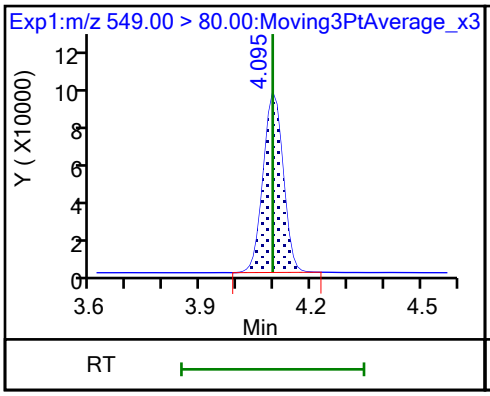
20 Perfluorononanoic acid



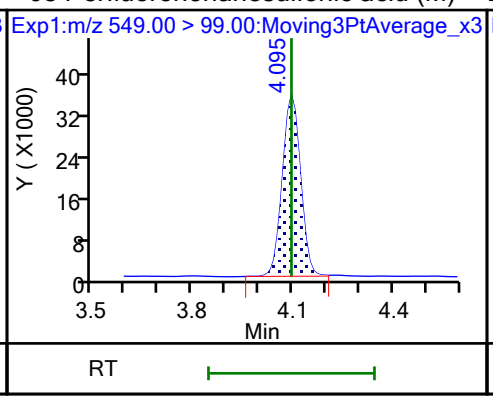
69 9-Chlorohexadecafluoro-3-oxanona



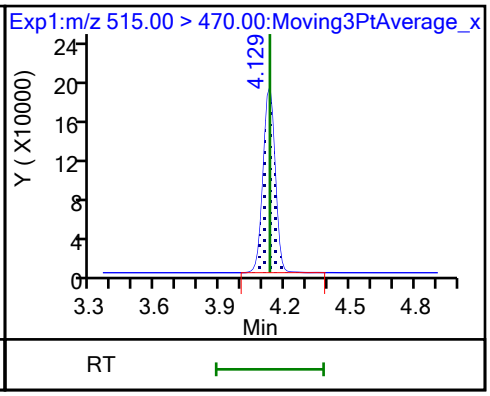
68 Perfluorononanesulfonic acid



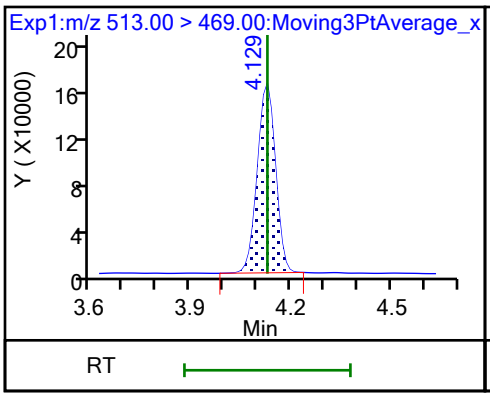
68 Perfluorononanesulfonic acid (M)



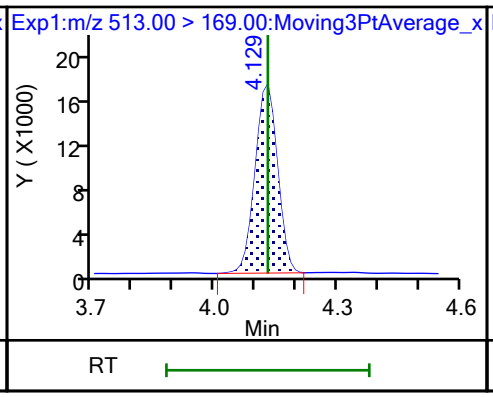
D 23 13C2 PFDA



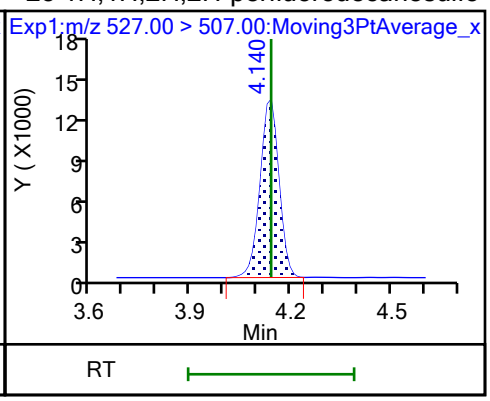
24 Perfluorodecanoic acid



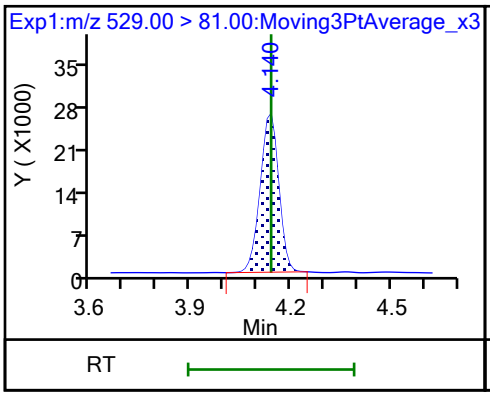
24 Perfluorodecanoic acid



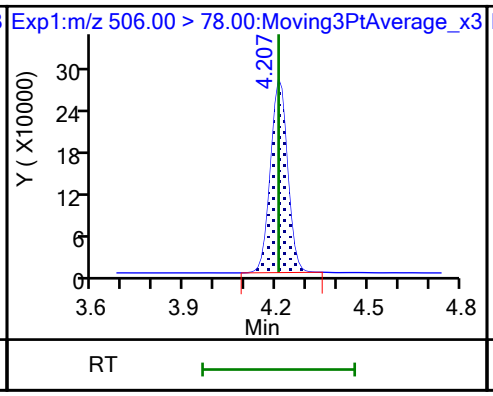
25 1H,1H,2H,2H-perfluorodecanesulfo



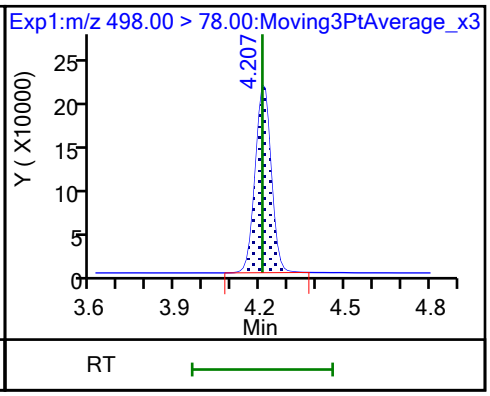
D 26 M2-8:2 FTS



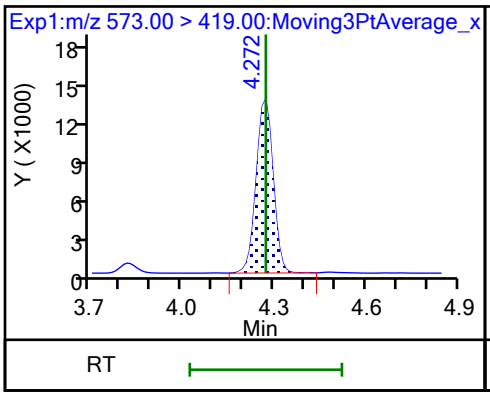
D 21 13C8 FOSA



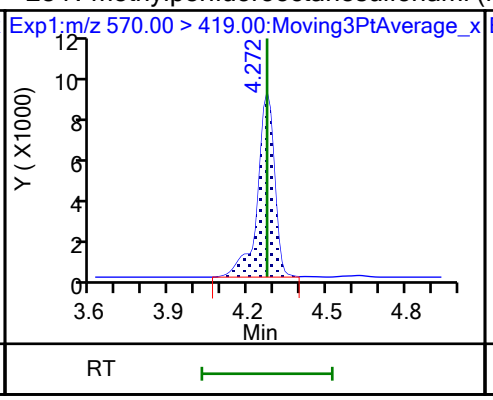
22 Perfluorooctanesulfonamide



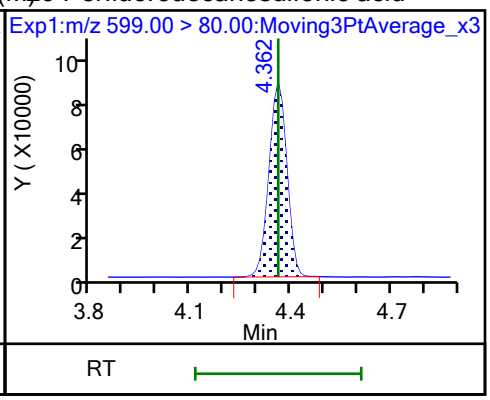
D 27 d3-NMeFOSAA



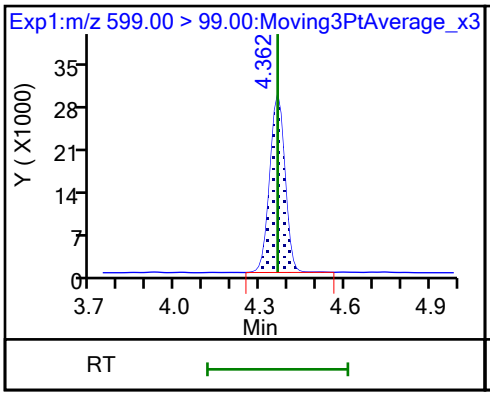
28 N-methylperfluorooctanesulfonami (M)



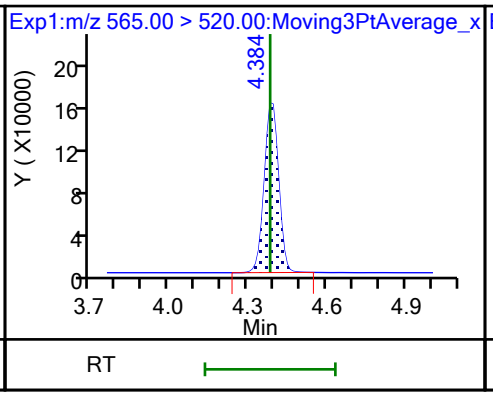
29 Perfluorodecanesulfonic acid



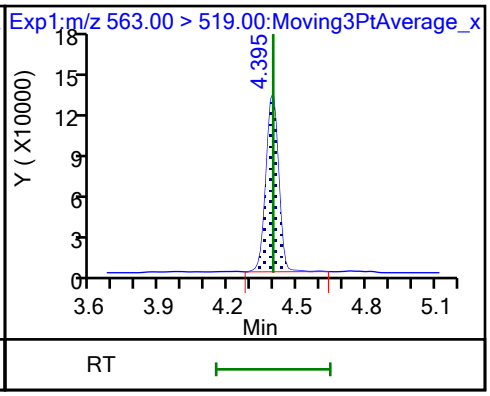
29 Perfluorodecanesulfonic acid



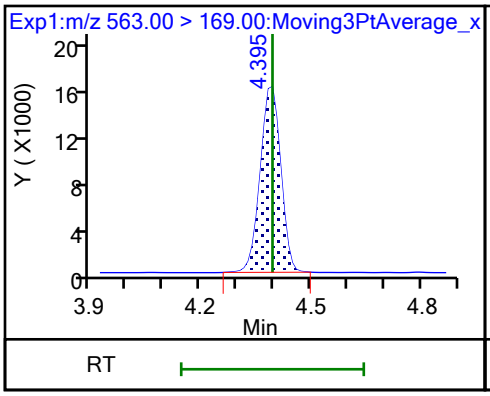
D 30 13C2 PFUnA



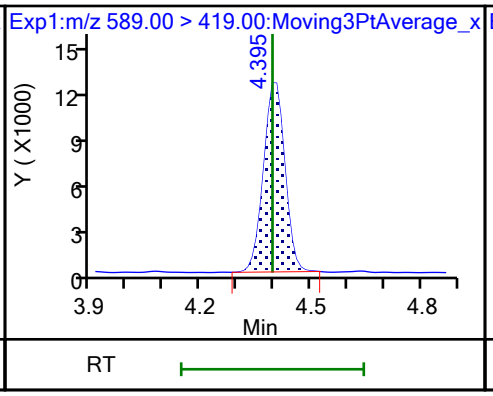
31 Perfluoroundecanoic acid



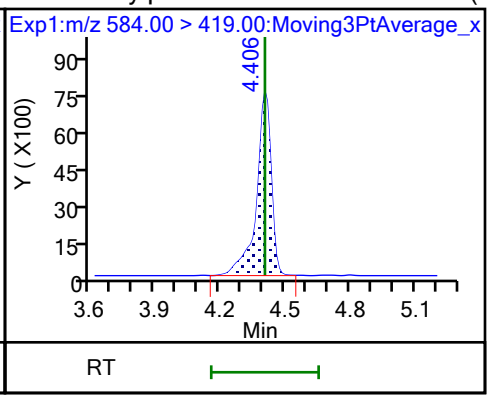
31 Perfluoroundecanoic acid



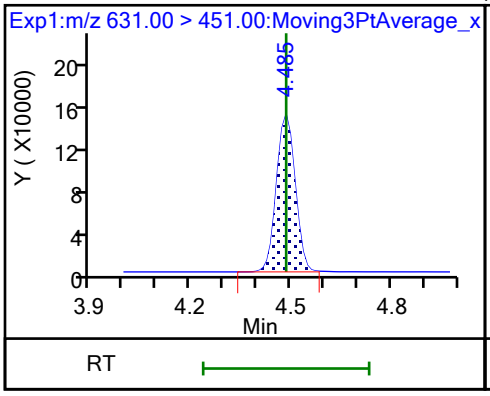
D 32 d5-NEtFOSAA



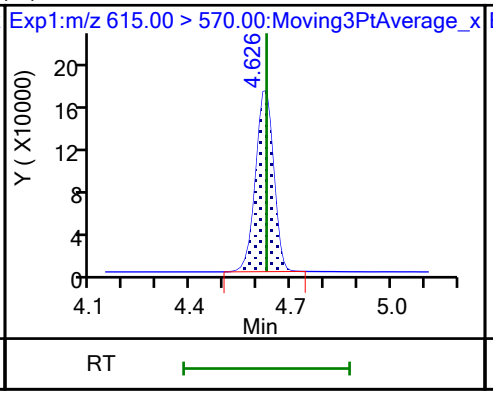
33 N-ethylperfluorooctanesulfonamid (M)



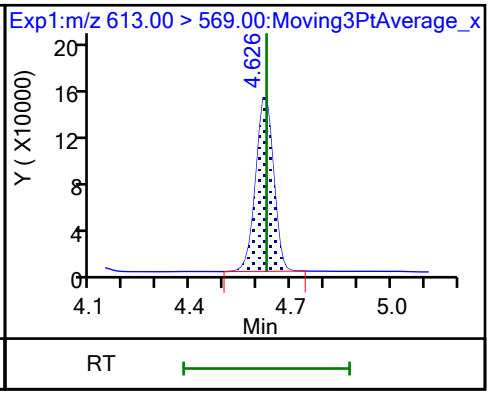
66 11-Chloroeicosafluoro-3-oxaundec (M)



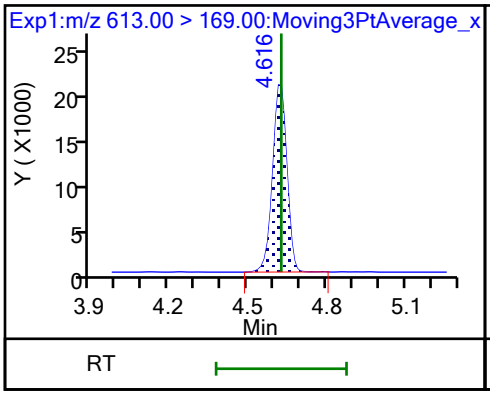
D 36 13C2 PFDoA



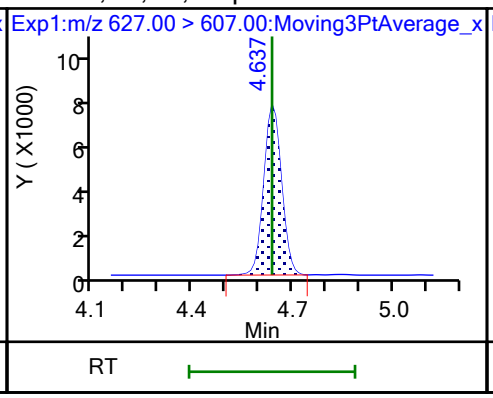
37 Perfluorododecanoic acid



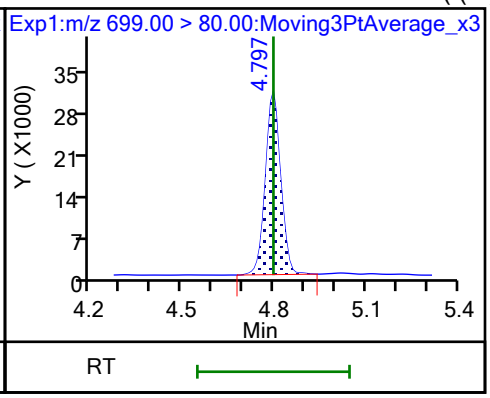
37 Perfluorododecanoic acid



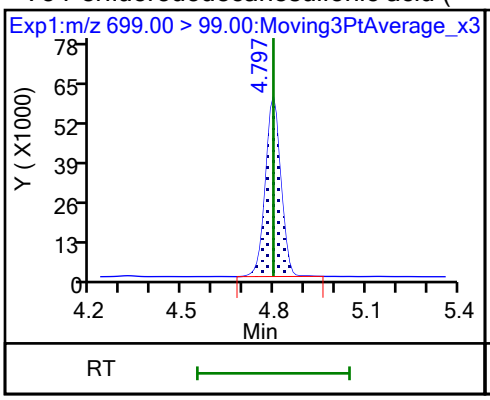
74 1H,1H,2H,2H-perfluorododecanesul



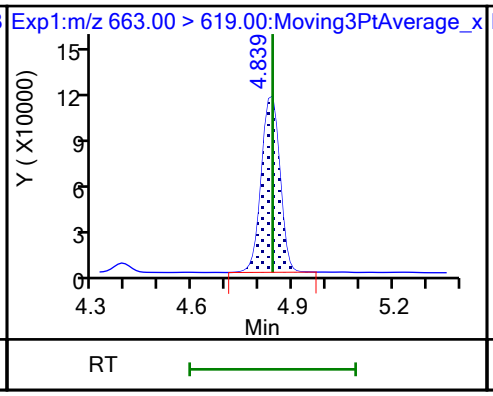
75 Perfluorododecanesulfonic acid ((M)



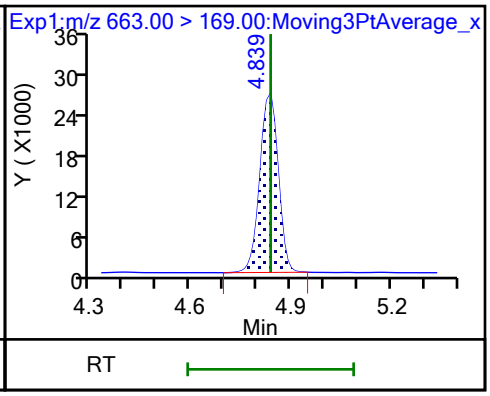
75 Perfluorododecanesulfonic acid (



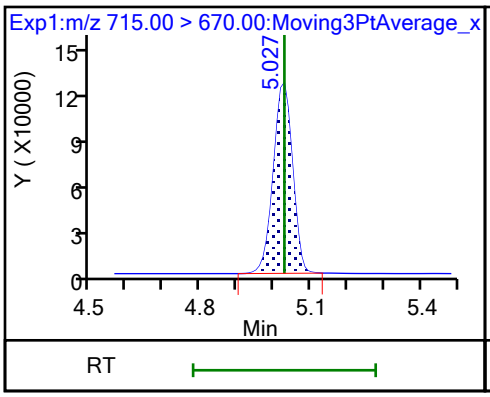
41 Perfluorotridecanoic acid



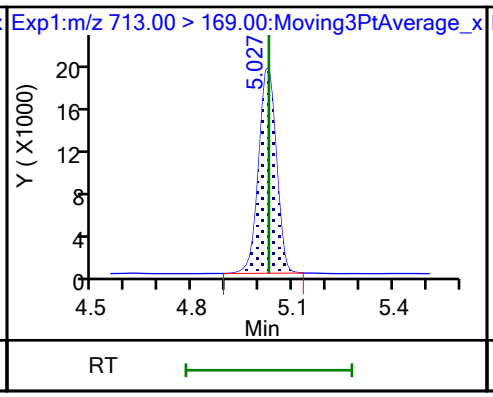
41 Perfluorotridecanoic acid



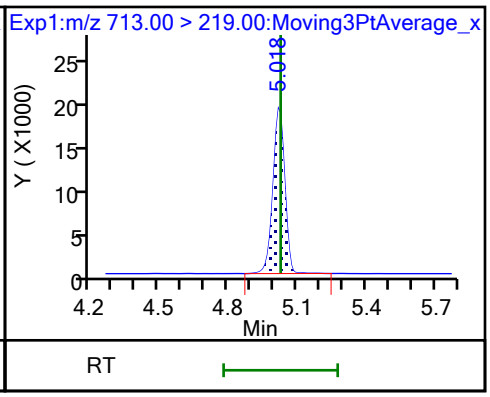
D 43 13C2 PFTeDA



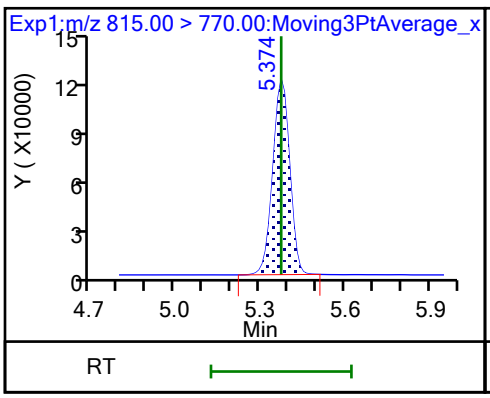
42 Perfluorotetradecanoic acid



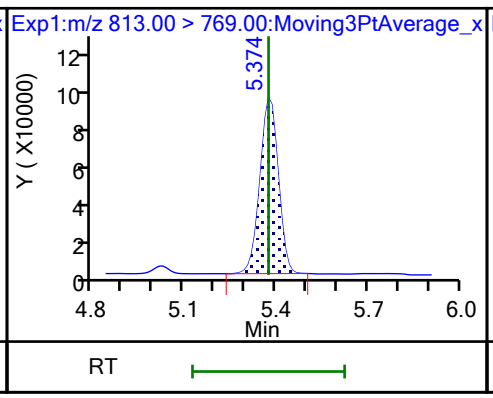
42 Perfluorotetradecanoic acid



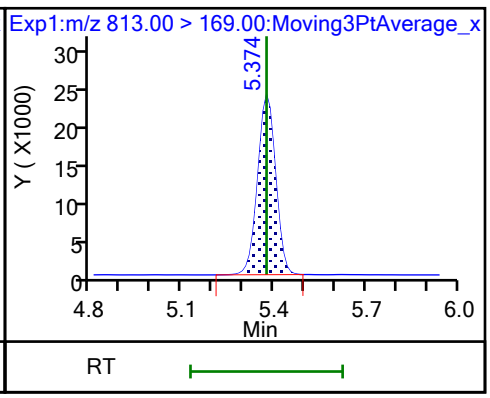
D 44 13C2 PFHxDA



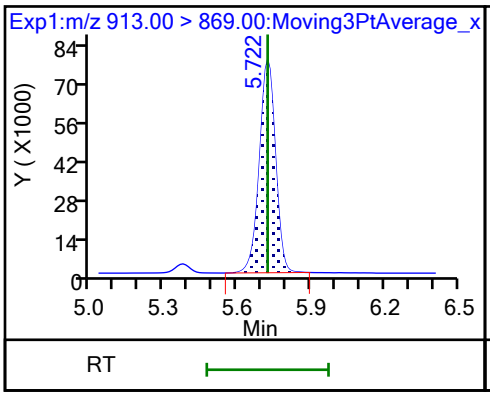
45 Perfluorohexadecanoic acid



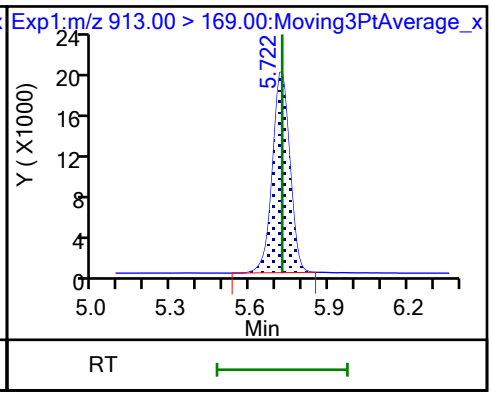
45 Perfluorohexadecanoic acid



46 Perfluorooctadecanoic acid



46 Perfluorooctadecanoic acid



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

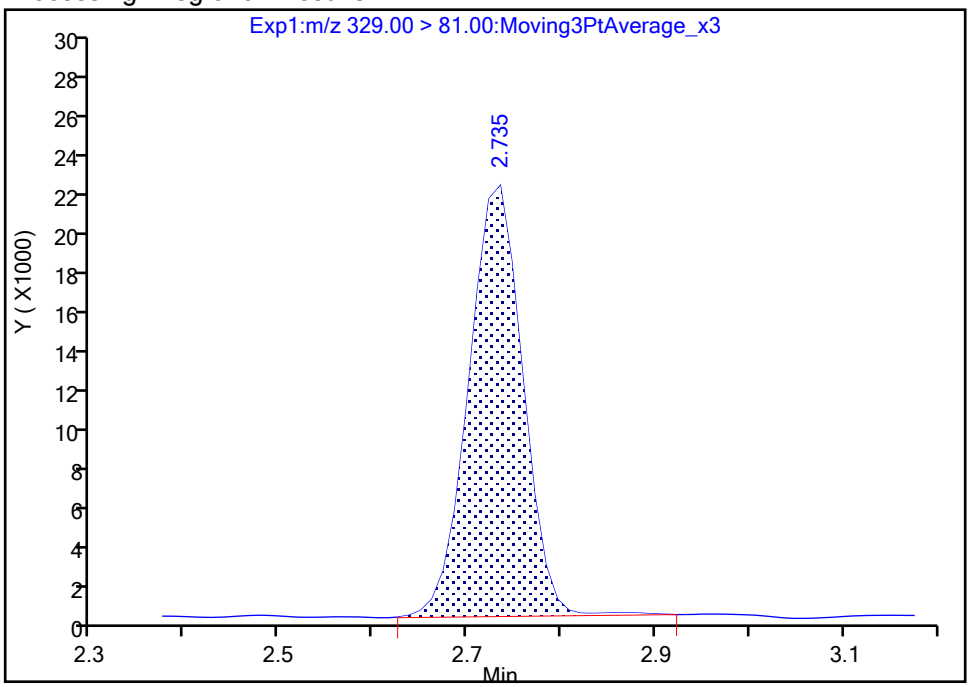
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Injection Date:	22-Dec-2020 13:13:03	Instrument ID:	LC812		
Lims ID:	ICIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 60 M2-4:2 FTS, CAS: STL02395

Signal: 1

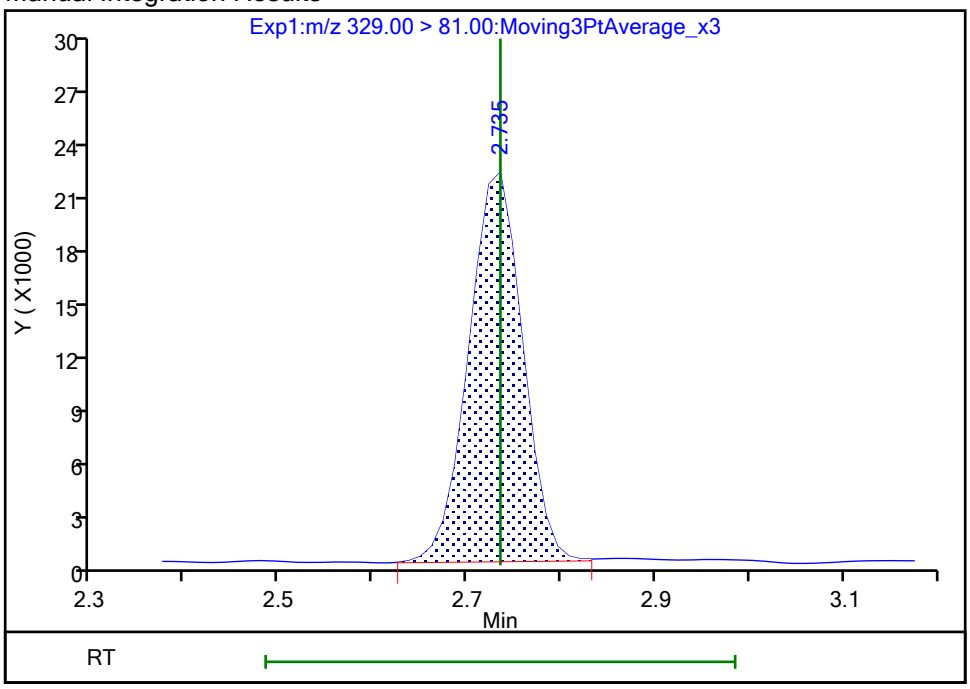
Processing Integration Results

RT: 2.73
Area: 86795
Amount: 1.148308
Amount Units: ng/ml



Manual Integration Results

RT: 2.73
Area: 86339
Amount: 1.137929
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:57:19

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

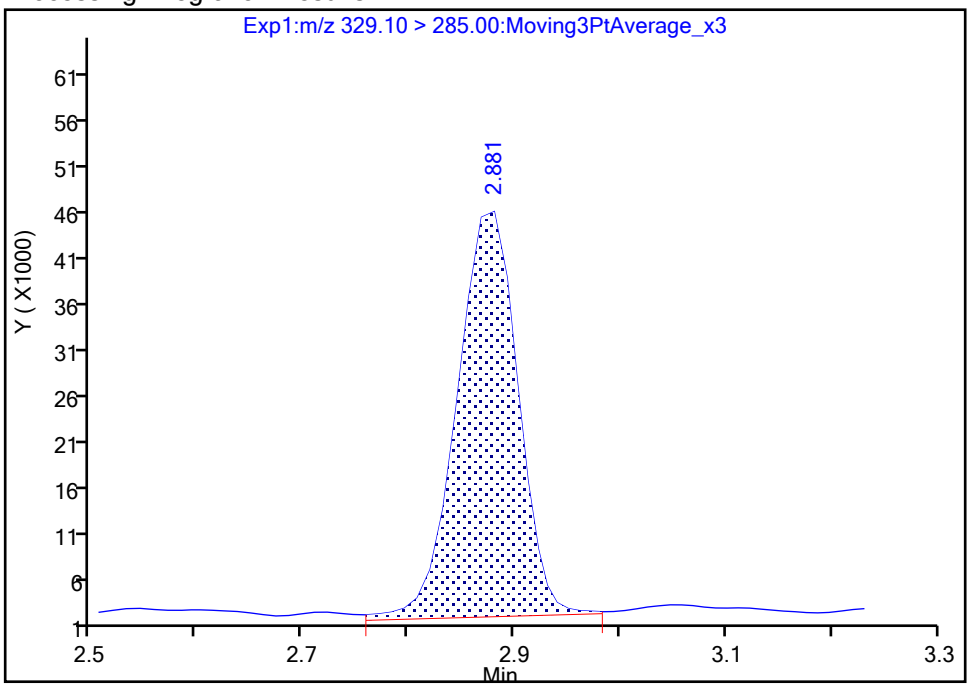
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Lims ID:	ICIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

67 Perfluoro(2-propoxypropanoic) ac, CAS: 13252-13-6

Signal: 1

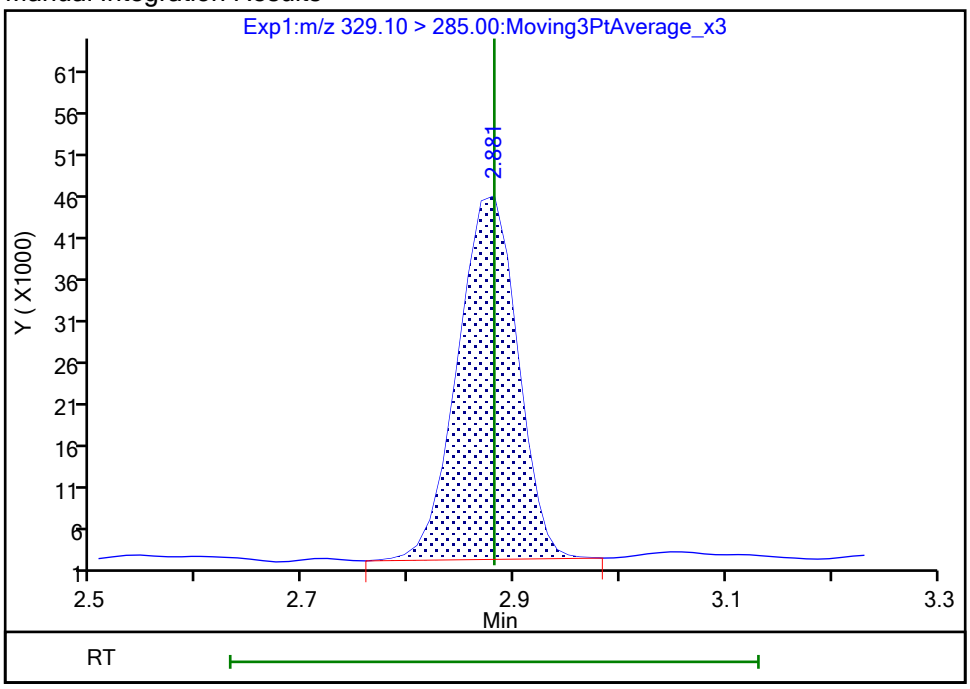
Processing Integration Results

RT: 2.88
Area: 175050
Amount: 1.025742
Amount Units: ng/ml



Manual Integration Results

RT: 2.88
Area: 169678
Amount: 0.915115
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:57:08
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

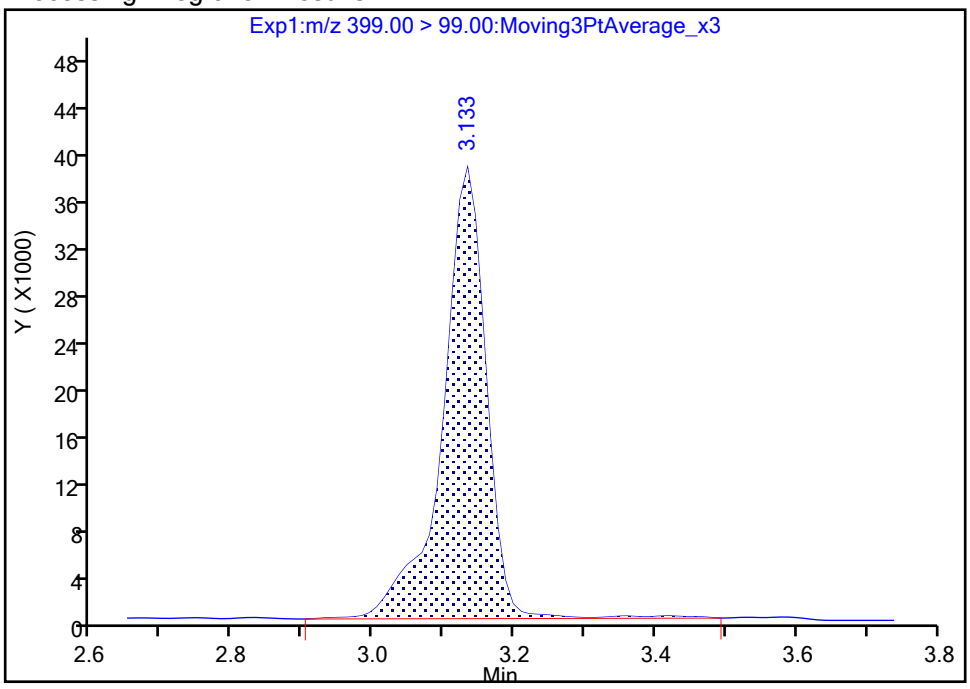
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Injection Date:	22-Dec-2020 13:13:03	Instrument ID:	LC812		
Lims ID:	ICIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

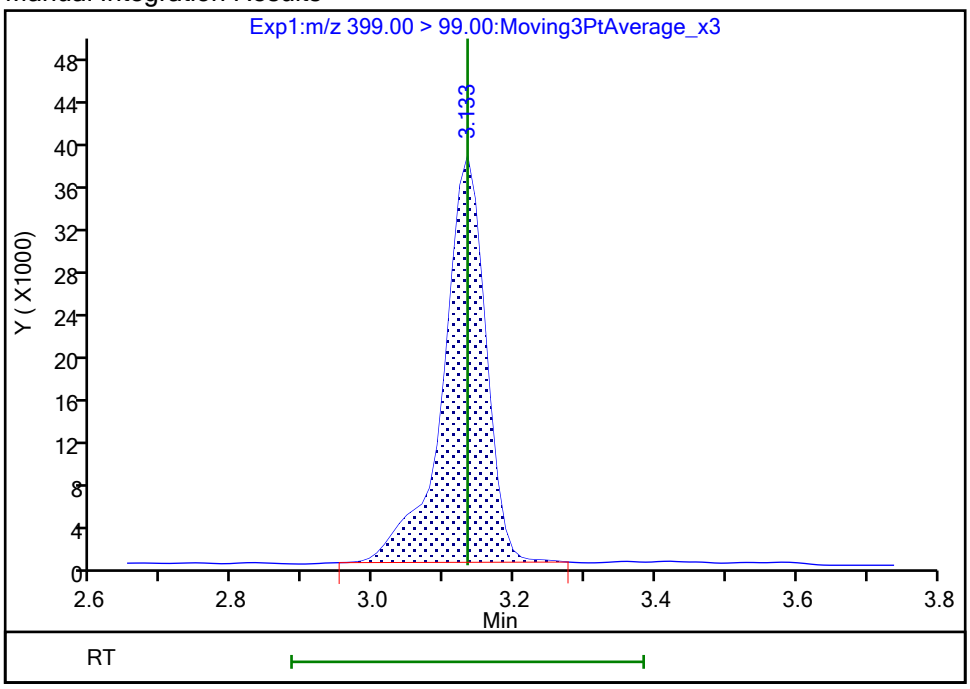
Processing Integration Results

RT: 3.13
Area: 166074
Amount: 0.928046
Amount Units: ng/ml



Manual Integration Results

RT: 3.13
Area: 161822
Amount: 0.876218
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:56:59

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

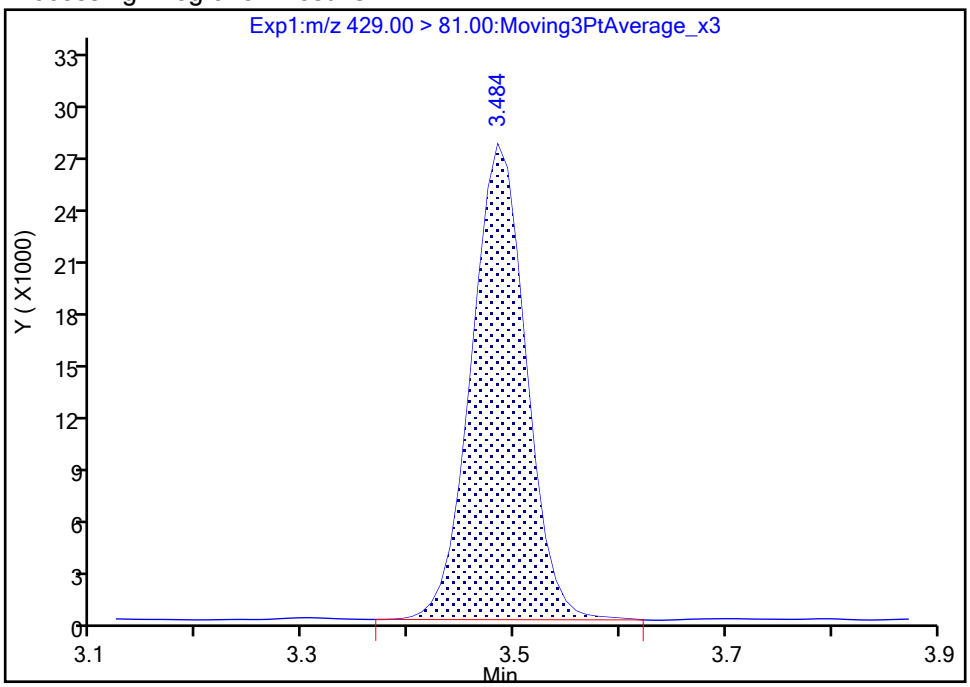
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL011.d				
Injection Date:	22-Dec-2020 13:13:03	Instrument ID:	LC812		
Lims ID:	ICIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 12 M2-6:2 FTS, CAS: STL02279

Signal: 1

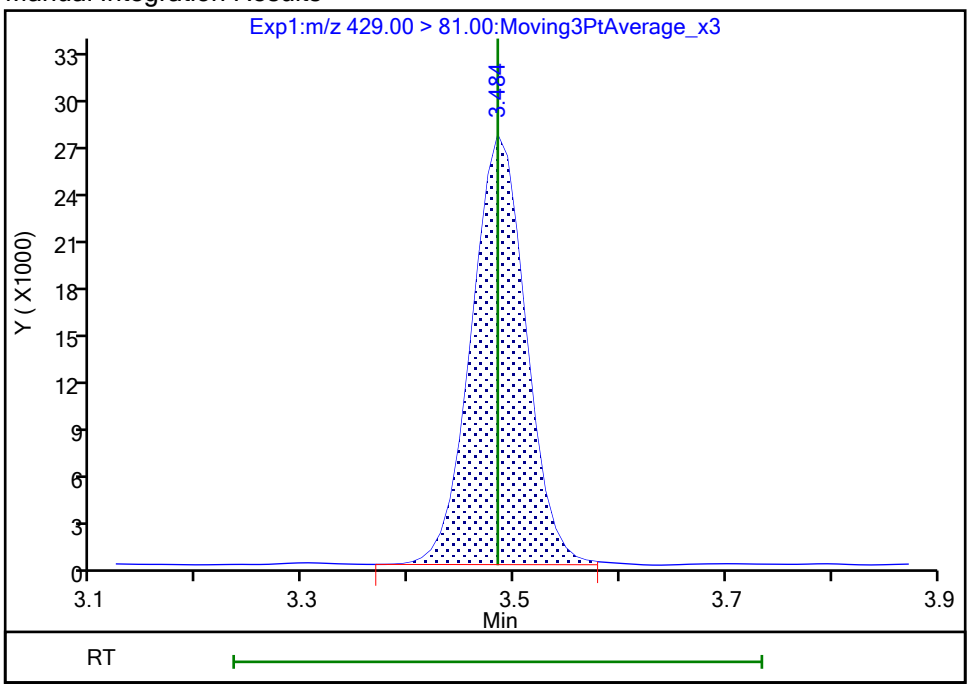
Processing Integration Results

RT: 3.48
Area: 97196
Amount: 1.150674
Amount Units: ng/ml



Manual Integration Results

RT: 3.48
Area: 96952
Amount: 1.147595
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:56:46
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

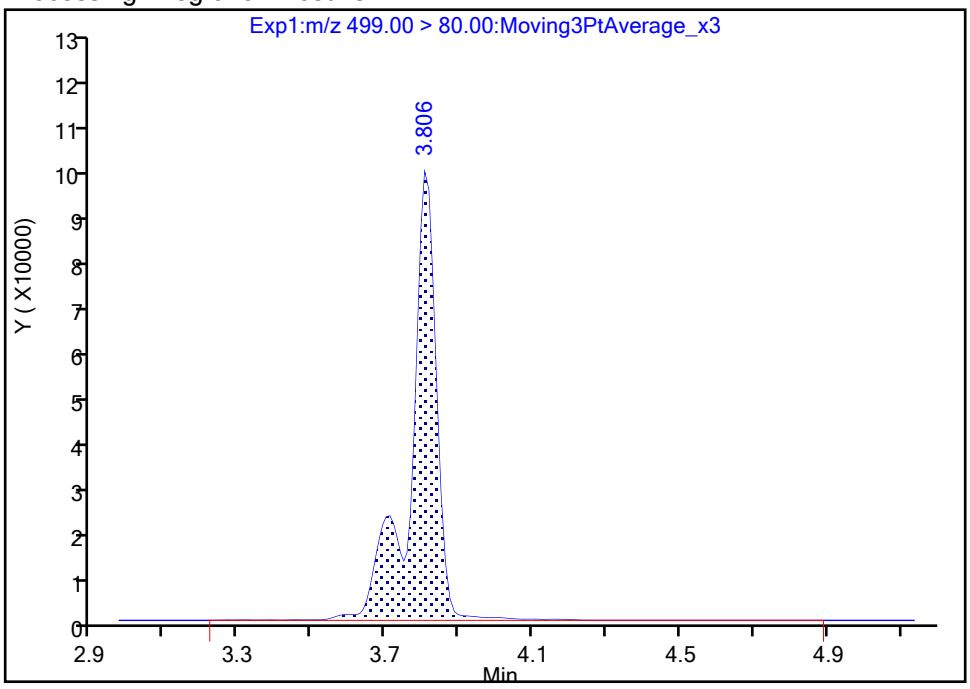
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL011.d				
Injection Date:	22-Dec-2020 13:13:03	Instrument ID:	LC812		
Lims ID:	ICIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

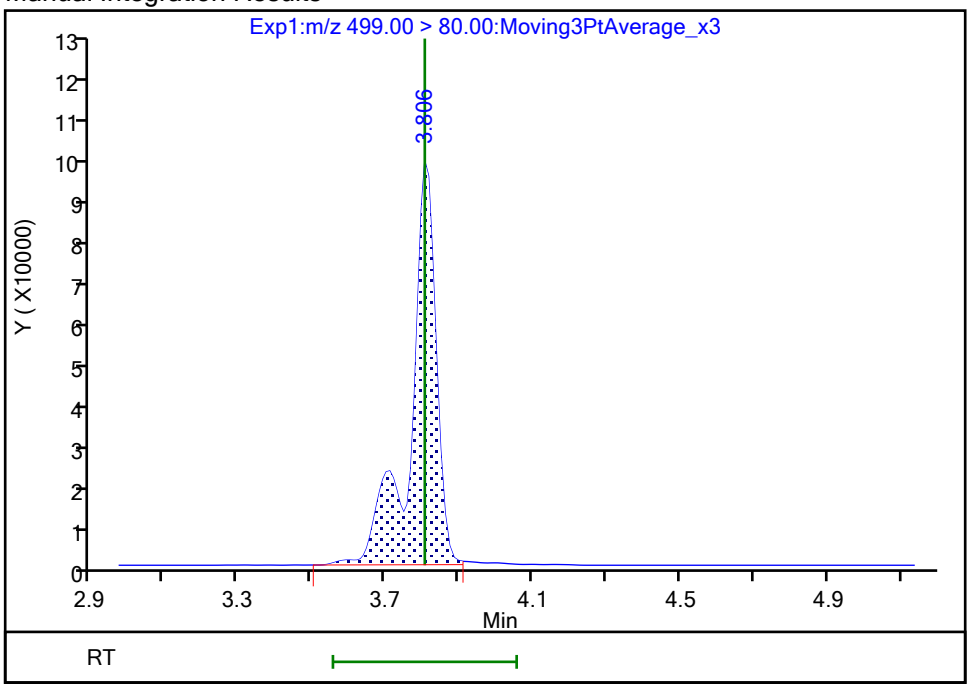
Processing Integration Results

RT: 3.81
Area: 472976
Amount: 0.918920
Amount Units: ng/ml



Manual Integration Results

RT: 3.81
Area: 463174
Amount: 0.868208
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:56:27

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

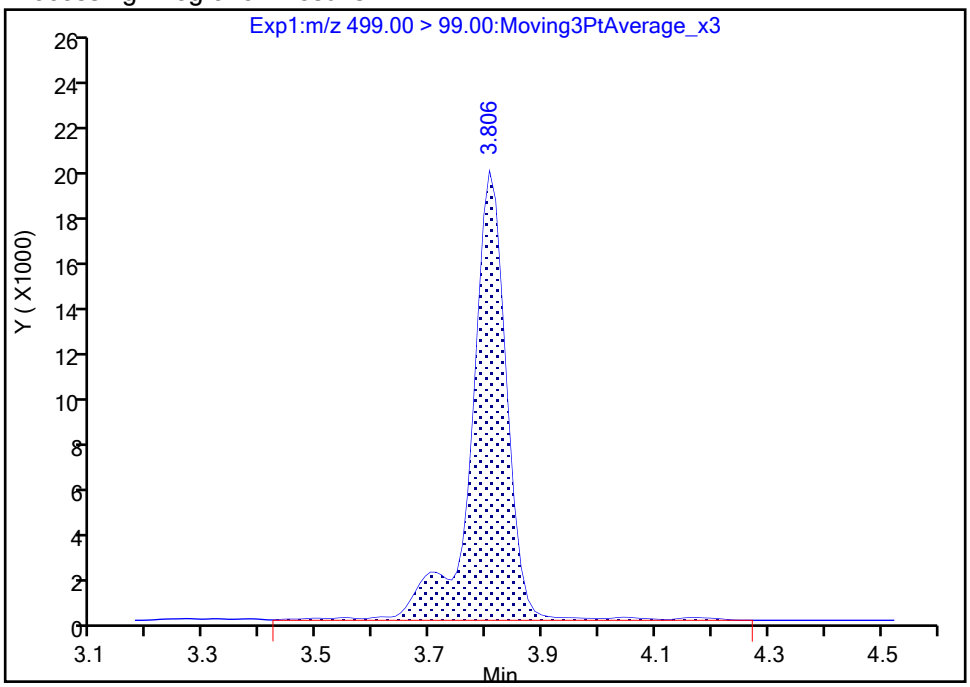
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Lims ID:	ICIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

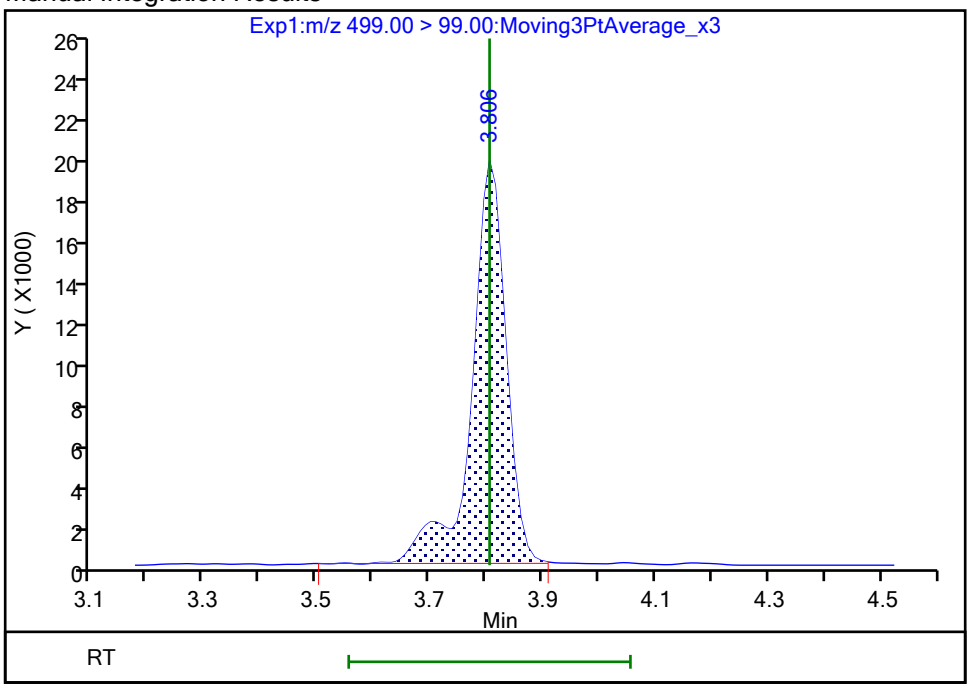
Processing Integration Results

RT: 3.81
Area: 85844
Amount: 0.918920
Amount Units: ng/ml



Manual Integration Results

RT: 3.81
Area: 82037
Amount: 0.868208
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:56:31

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

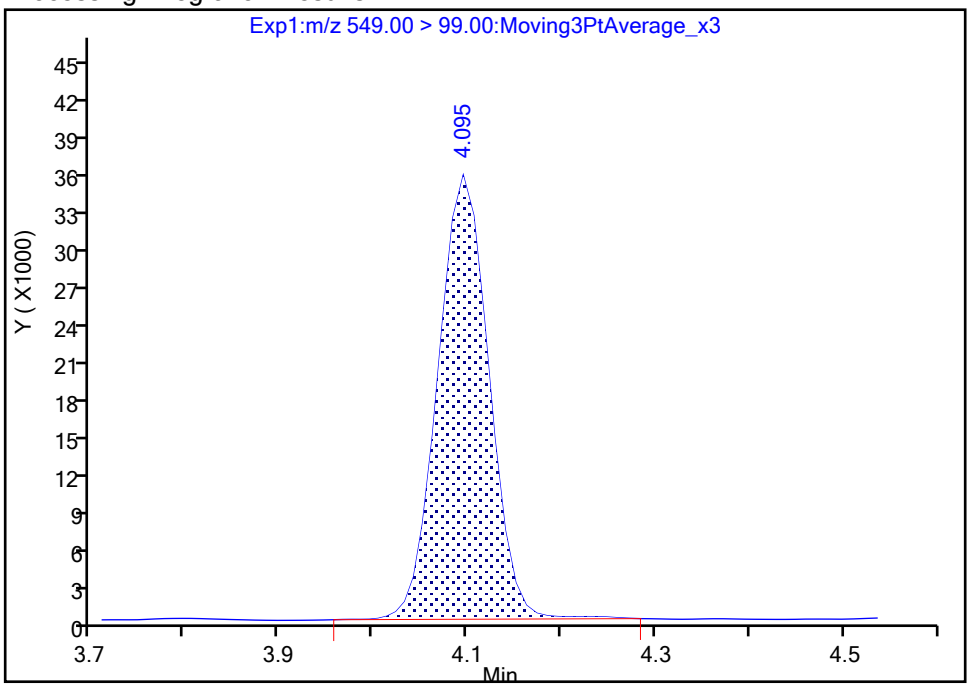
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL011.d				
Injection Date:	22-Dec-2020 13:13:03	Instrument ID:	LC812		
Lims ID:	ICIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

68 Perfluorononanesulfonic acid, CAS: 68259-12-1

Signal: 2

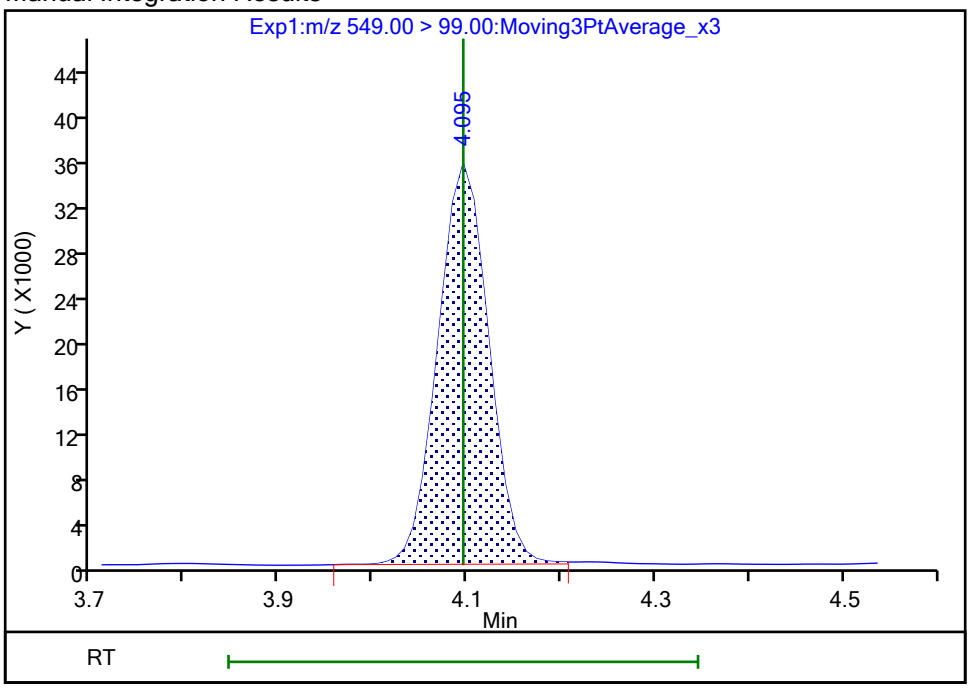
Processing Integration Results

RT: 4.10
Area: 134901
Amount: 0.905222
Amount Units: ng/ml



Manual Integration Results

RT: 4.10
Area: 134385
Amount: 0.857723
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:56:07
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

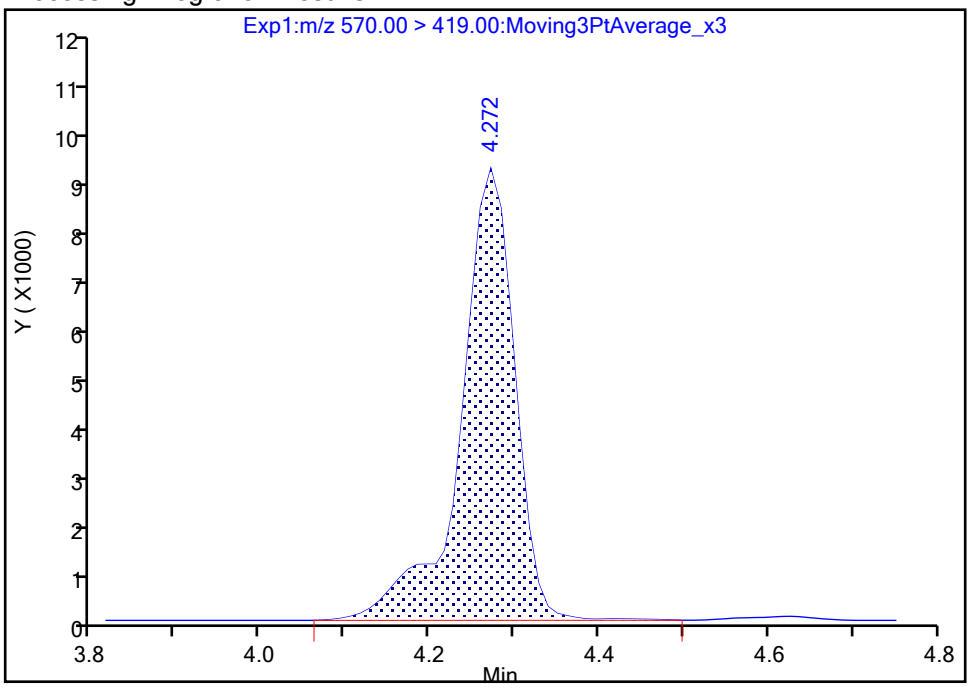
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL011.d				
Injection Date:	22-Dec-2020 13:13:03	Instrument ID:	LC812		
Lims ID:	ICIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

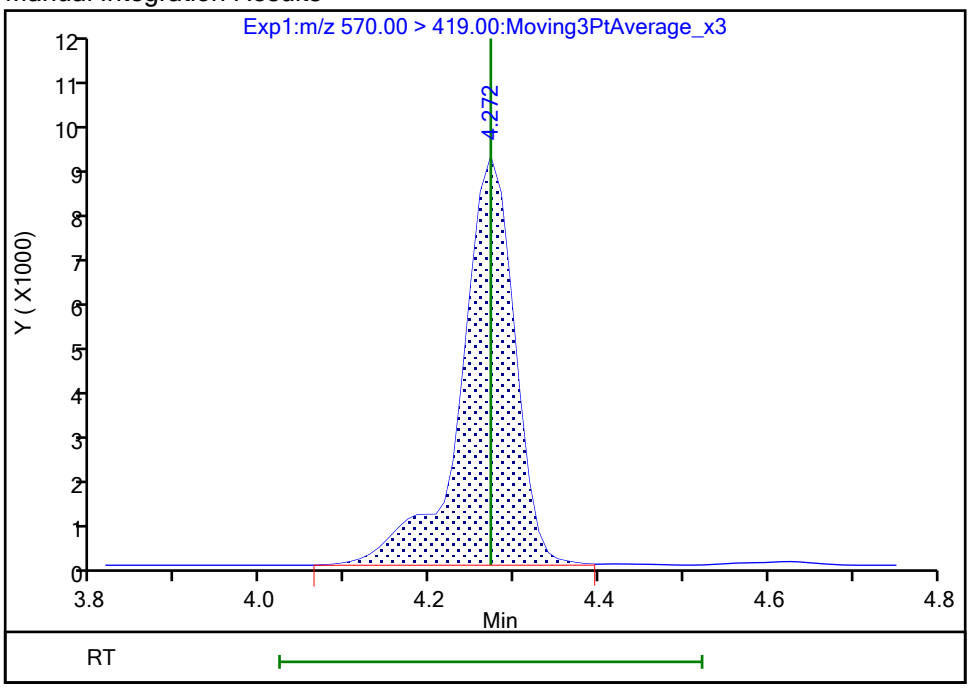
Processing Integration Results

RT: 4.27
Area: 38154
Amount: 1.017971
Amount Units: ng/ml



Manual Integration Results

RT: 4.27
Area: 38043
Amount: 1.016468
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:55:55
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

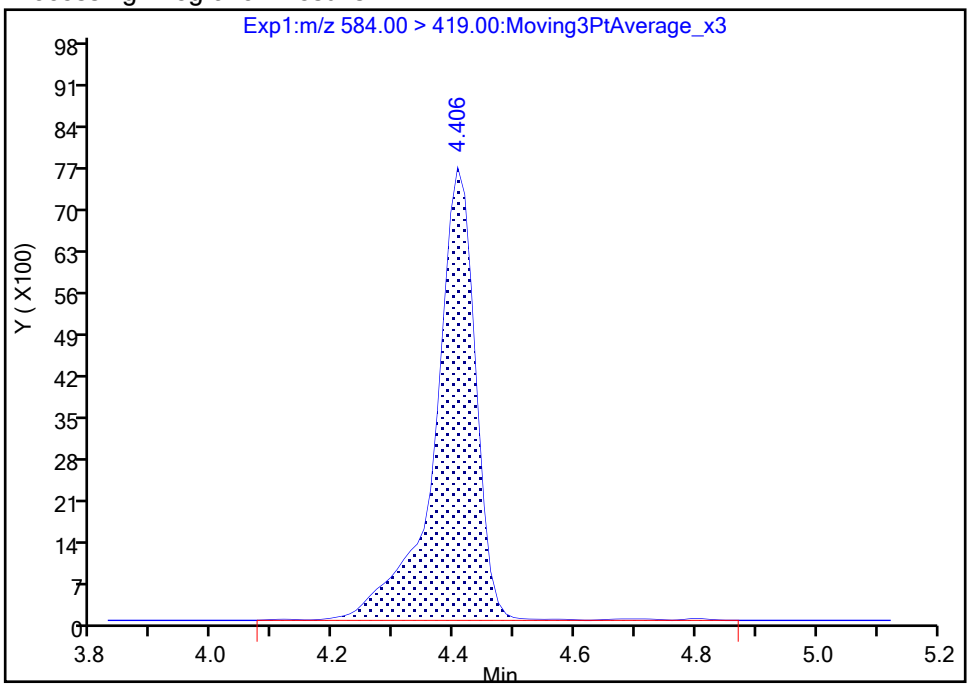
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Injection Date:	22-Dec-2020 13:13:03	Instrument ID:	LC812		
Lims ID:	ICIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

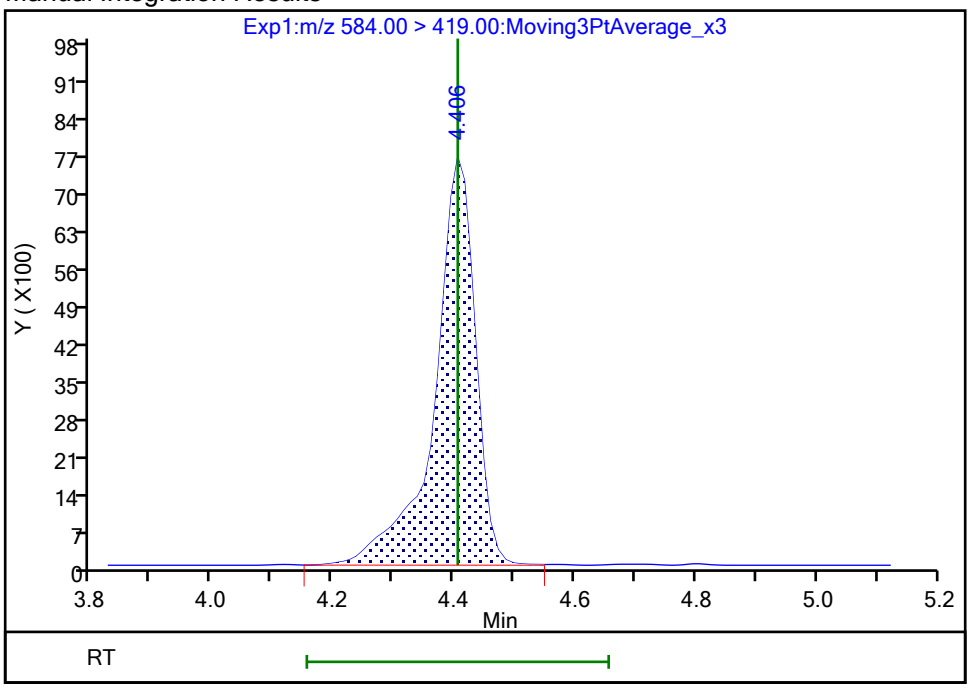
Processing Integration Results

RT: 4.41
Area: 36100
Amount: 0.951686
Amount Units: ng/ml



Manual Integration Results

RT: 4.41
Area: 35802
Amount: 0.957678
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:55:27
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

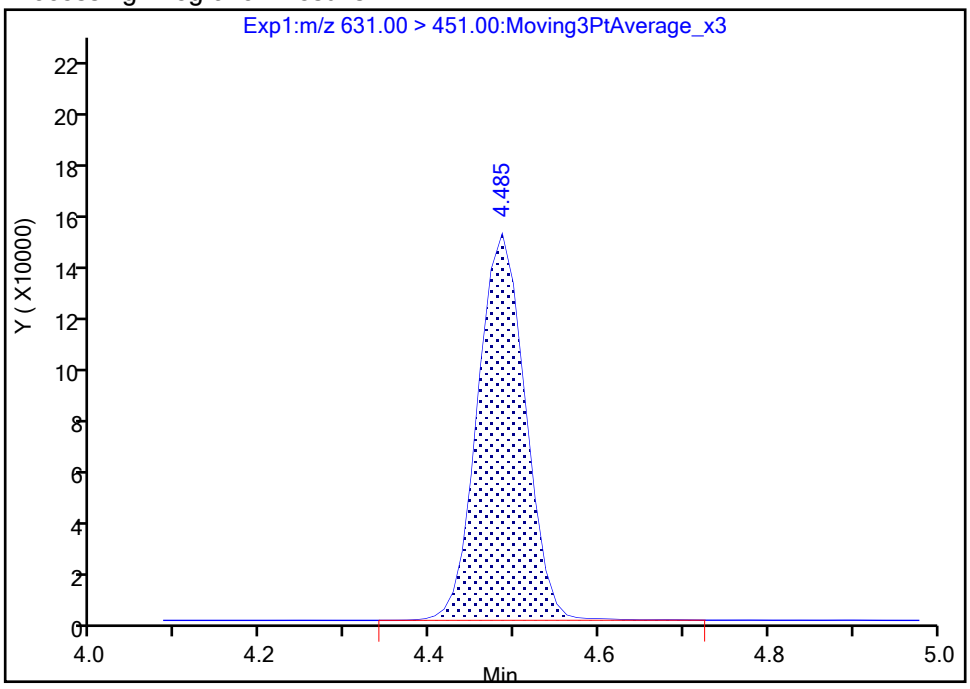
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL011.d				
Injection Date:	22-Dec-2020 13:13:03	Instrument ID:	LC812		
Lims ID:	ICIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

66 11-Chloroeicosafluoro-3-oxaundec, CAS: 763051-92-9

Signal: 1

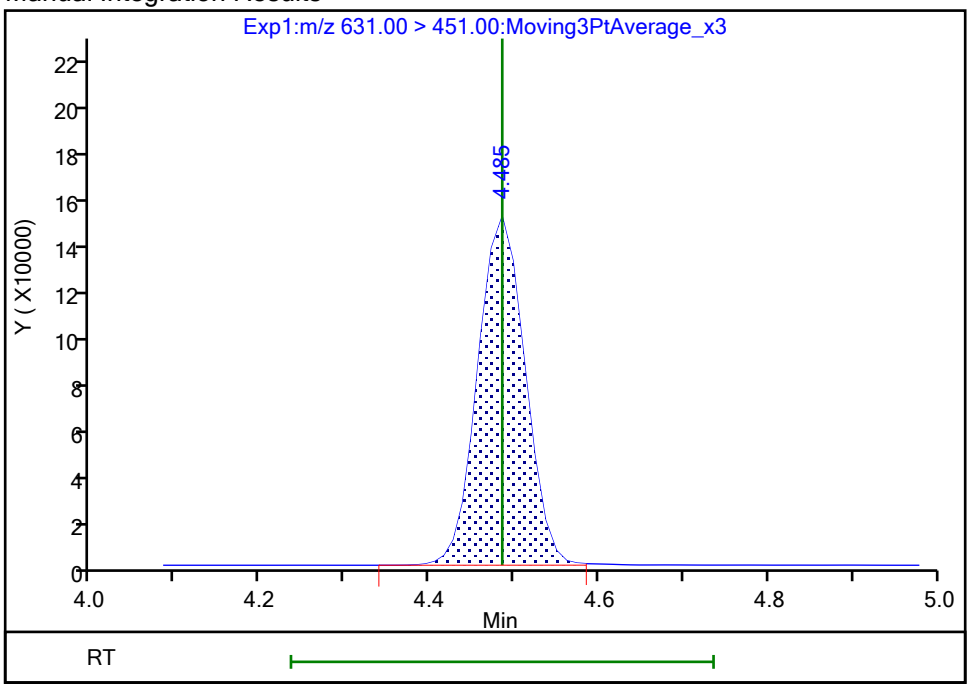
Processing Integration Results

RT: 4.49
Area: 585554
Amount: 0.956453
Amount Units: ng/ml



Manual Integration Results

RT: 4.49
Area: 584047
Amount: 0.945661
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 13:55:10
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

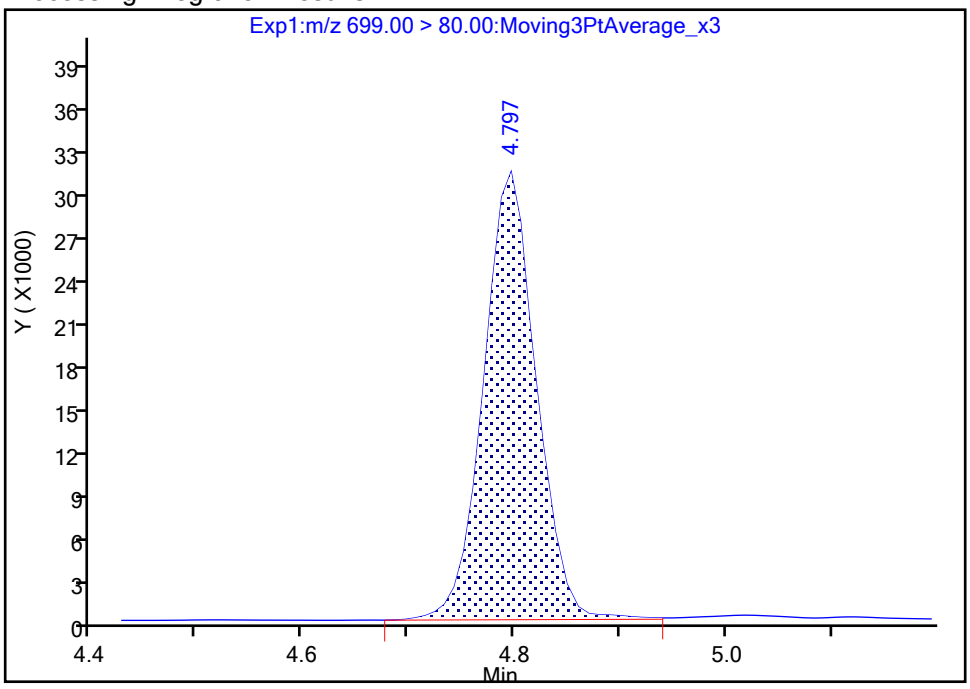
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Injection Date:	22-Dec-2020 13:13:03	Instrument ID:	LC812		
Lims ID:	ICIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

75 Perfluorododecanesulfonic acid (, CAS: 79780-39-5

Signal: 1

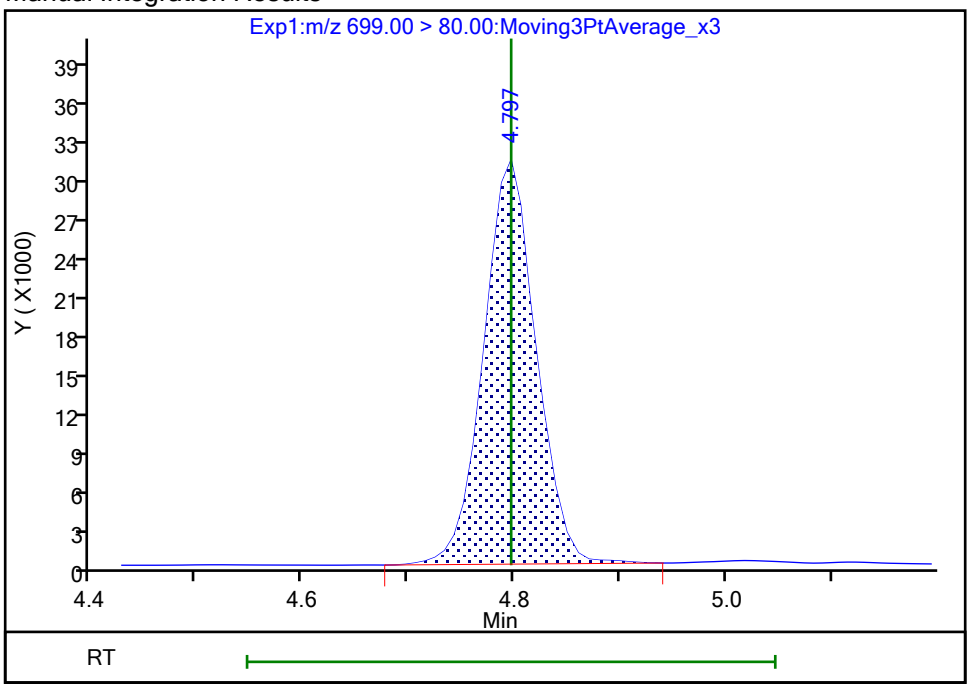
Processing Integration Results

RT: 4.80
Area: 107220
Amount: 0.917436
Amount Units: ng/ml



Manual Integration Results

RT: 4.80
Area: 106502
Amount: 0.912257
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 14:29:39
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL012.d
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 22-Dec-2020 13:21:21 ALS Bottle#: 6 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 200-0044184-012 Plate: 1 Rack: 1
Operator ID: lc812tech Instrument ID: LC812
Sublist: chrom-PFC_LC812*sub3

Method: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 22-Dec-2020 14:39:34 Calib Date: 22-Dec-2020 13:29:37
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1625

First Level Reviewer: deannd Date: 22-Dec-2020 14:07:02
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.089	2.091	-0.002	0.598	1183081	1.23		98.7	9506	
2 Perfluorobutanoic acid										
212.90 > 169.00	2.089	2.091	-0.002	1.000	2187518	2.31		92.3	295	
D 3 13C5 PFPeA										
267.90 > 223.00	2.411	2.414	-0.003	0.690	850273	1.23		98.1	2895	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.411	2.414	-0.003	1.000	1757757	2.33		93.3	67.8	M
D 47 13C3 PFBS										
301.90 > 80.00	2.424	2.427	-0.003	0.694	1027240	1.13		96.9	180081	
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.437	2.427	0.010	1.005	2100213	2.10	Target=2.21	95.1	2803	
298.90 > 99.00	2.424	2.427	-0.003	1.000	961927		2.18(1.10-3.31)	95.1	818	
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.732	2.735	-0.003	1.000	303490	2.27		97.4	4444	
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.732	2.735	-0.003	0.782	85003	1.12		95.7	91.0	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.768	2.771	-0.003	0.793	894513	1.23		98.5	3312	
6 Perfluorohexanoic acid										
313.00 > 269.00	2.768	2.771	-0.003	1.000	1839714	2.35	Target=12.17	94.1	423	
313.00 > 119.00	2.768	2.771	-0.003	1.000	154104		11.94(6.09-18.26)	94.1	252	
70 Perfluoropentanesulfonic acid										
349.00 > 80.00	2.768	2.771	-0.003	0.884	1955608	2.22	Target=3.32	94.5	2881	
349.00 > 99.00	2.768	2.771	-0.003	0.884	582906		3.35(1.66-4.98)	94.5	848	
67 Perfluoro(2-propoxypropanoic) ac										
329.10 > 285.00	2.878	2.881	-0.003	1.000	401085	2.28		91.3	46.2	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 64 13C3 HFPO-DA										
332.10 > 287.00	2.878	2.881	-0.003	0.824	158496	1.24		99.1	927	
D 11 18O2 PFHxS										
403.00 > 84.00	3.133	3.133	0.0	0.897	794776	1.17		99.0	2186	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.133	3.133	0.0	1.000	1650425	2.08	Target=4.08	91.6	1134	M
399.00 > 99.00	3.133	3.133	0.0	1.000	403565		4.09(2.04-6.11)	91.6	384	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.133	3.133	0.0	0.897	838035	1.20		96.4	2374	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.143	3.133	0.010	1.003	1824848	2.49	Target=3.70	99.7	409	
363.00 > 169.00	3.143	3.133	0.010	1.003	477628		3.82(1.85-5.56)	99.7	918	
77 DONA										
377.00 > 251.00	3.175	3.176	-0.001	0.835	3554808	2.40	Target=2.47	102	2378	
377.00 > 85.00	3.175	3.176	-0.001	0.835	1382083		2.57(1.23-3.70)	102	1182	
16 Perfluoroheptanesulfonic acid										
449.00 > 80.00	3.483	3.484	-0.001	0.916	1352437	2.26	Target=5.85	95.0	5671	
449.00 > 99.00	3.483	3.484	-0.001	0.916	226210		5.98(2.93-8.78)	95.0	974	
D 12 M2-6:2 FTS										
429.00 > 81.00	3.483	3.484	-0.001	0.997	97655	1.15		97.0	471	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.483	3.484	-0.001	1.000	214702	2.35		99.0	1811	
D 14 13C4 PFOA										
417.00 > 372.00	3.492	3.493	-0.001	1.000	862938	1.22		97.7	2325	
* 62 13C2 PFOA										
415.00 > 370.00	3.492	3.493	-0.001		892433	1.25			2279	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.492	3.493	-0.001	1.000	1777820	2.38	Target=2.58	95.0	367	
413.00 > 169.00	3.492	3.493	-0.001	1.000	690547		2.57(1.29-3.87)	95.0	1154	M
D 18 13C4 PFOS										
503.00 > 80.00	3.804	3.806	-0.002	1.089	529467	1.14		95.1	1322	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.804	3.806	-0.002	1.000	1114751	2.19	Target=5.56	94.3	1348	M
499.00 > 99.00	3.804	3.806	-0.002	1.000	198425		5.62(2.78-8.34)	94.3	627	M
D 19 13C5 PFNA										
468.00 > 423.00	3.825	3.826	-0.001	1.095	756323	1.21		97.1	3684	
20 Perfluorononanoic acid										
463.00 > 419.00	3.825	3.826	-0.001	1.000	1571226	2.35	Target=6.87	93.8	259	
463.00 > 169.00	3.825	3.826	-0.001	1.000	229840		6.84(3.43-10.30)	93.8	1752	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.974	3.967	0.007	1.045	1341633	2.36		101	3383	
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.093	4.095	-0.002	1.076	862047	2.27	Target=2.78	94.5	2392	
549.00 > 99.00	4.093	4.095	-0.002	1.076	311060		2.77(1.39-4.17)	94.5	1009	
D 23 13C2 PFDA										
515.00 > 470.00	4.126	4.129	-0.003	1.182	760056	1.28		102	3401	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										
513.00 > 469.00	4.126	4.129	-0.003	1.000	1443205	2.30	Target=9.03	92.1	841	
513.00 > 169.00	4.126	4.129	-0.003	1.000	169912		8.49(4.51-13.54)	92.1	930	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.137	4.140	-0.003	1.000	138394	2.40		100	1447	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.137	4.140	-0.003	1.185	101608	1.16		97.0	466	
D 21 13C8 FOSA										
506.00 > 78.00	4.215	4.207	0.008	1.207	1040920	1.19		95.1	3186	
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.215	4.207	0.008	1.000	2150057	2.58		103	4654	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.268	4.272	-0.004	1.222	52266	1.21		96.7	51.5	
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.268	4.272	-0.004	1.000	94320	2.54		102	737	
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.358	4.362	-0.004	1.146	730691	2.41	Target=2.76	100	2833	
599.00 > 99.00	4.358	4.362	-0.004	1.146	275358		2.65(1.38-4.14)	100	1107	
D 30 13C2 PFUnA										
565.00 > 520.00	4.391	4.384	0.007	1.257	601281	1.23		98.3	3472	
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.391	4.395	-0.004	1.000	1201956	2.45	Target=8.02	98.0	427	
563.00 > 169.00	4.391	4.395	-0.004	1.000	148688		8.08(4.01-12.03)	98.0	1524	
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.402	4.395	0.007	1.261	49976	1.20		95.7	418	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.402	4.406	-0.004	1.000	96074	2.60		104	738	M
66 11-Chloroeicosafluoro-3-oxaundec										
631.00 > 451.00	4.480	4.485	-0.005	1.178	1357763	2.30		97.7	2955	
D 36 13C2 PFDoA										
615.00 > 570.00	4.622	4.626	-0.004	1.323	623891	1.21		96.6	2594	
37 Perfluorododecanoic acid										
613.00 > 569.00	4.622	4.626	-0.004	1.000	1310849	2.39	Target=6.85	95.5	318	
613.00 > 169.00	4.622	4.626	-0.004	1.000	198640		6.60(3.42-10.27)	95.5	2140	
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.642	4.637	0.005	1.122	72297	2.43		101	1626	
75 Perfluorododecanesulfonic acid (										M
699.00 > 80.00	4.792	4.797	-0.005	1.260	244860	2.20	Target=0.53	90.7	659	M
699.00 > 99.00	4.792	4.797	-0.005	1.260	492584		0.50(0.26-0.79)	90.7	1772	
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.834	4.839	-0.005	1.046	1098559	2.47	Target=4.48	98.6	391	
663.00 > 169.00	4.834	4.839	-0.005	1.046	251357		4.37(2.24-6.72)	98.6	2262	
D 43 13C2 PFTeDA										
715.00 > 670.00	5.024	5.027	-0.003	1.439	469963	1.23		98.4	3452	
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.024	5.027	-0.003	1.000	167971	2.41	Target=0.99	96.4	1947	
713.00 > 219.00	5.024	5.027	-0.003	1.000	158772		1.06(0.50-1.49)	96.4	2056	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 44 13C2 PFHxDA										
815.00 > 770.00	5.372	5.374	-0.002	1.538	505699	1.24		99.1	1951	
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.372	5.374	-0.002	1.000	948058	2.50	Target=4.02	100	251	
813.00 > 169.00	5.372	5.374	-0.002	1.000	224400		4.22(2.01-6.02)	100	2163	
46 Perfluorooctadecanoic acid										
913.00 > 869.00	5.720	5.722	-0.002	1.065	885277	2.43	Target=3.88	97.3	484	
913.00 > 169.00	5.720	5.722	-0.002	1.065	226882		3.90(1.94-5.82)	97.3	1101	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCIC5_00013 Amount Added: 100.00 Units: uL

Report Date: 22-Dec-2020 14:39:35 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL012.d

Injection Date: 22-Dec-2020 13:21:21 Instrument ID: LC812

Lims ID: IC

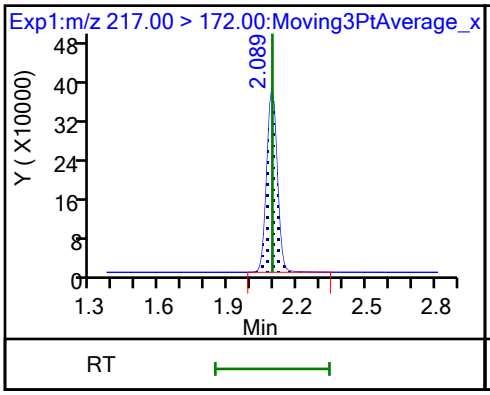
Client ID:

Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 12

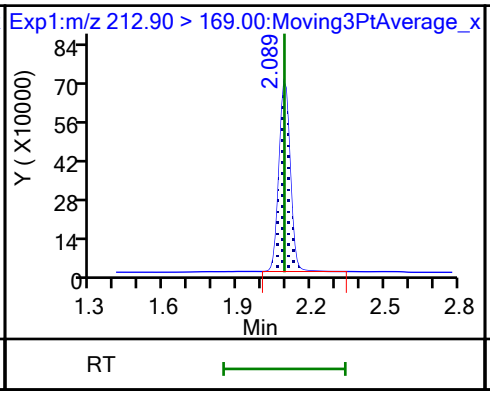
Injection Vol: 20.0 ul Dil. Factor: 1.0000

Method: PFC_LC812 Limit Group: LC_PFC_ICAL

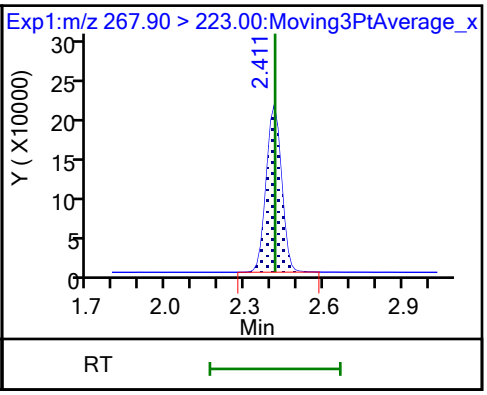
D 1 13C4 PFBA



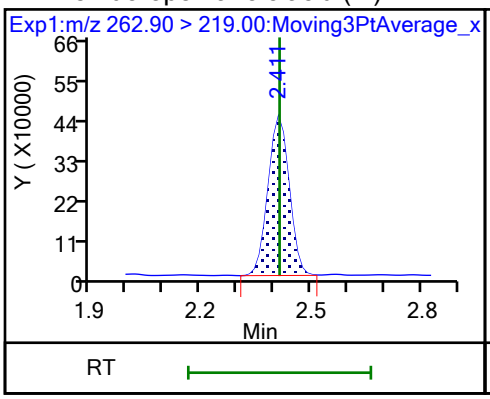
2 Perfluorobutanoic acid



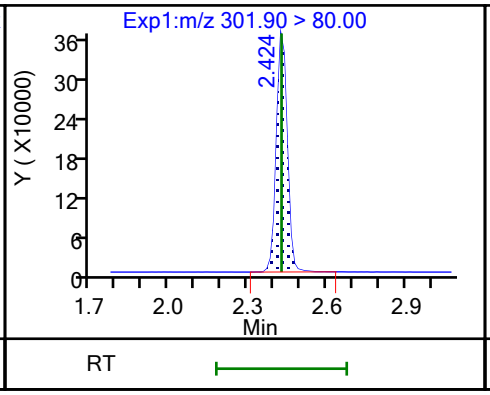
D 3 13C5 PFPeA



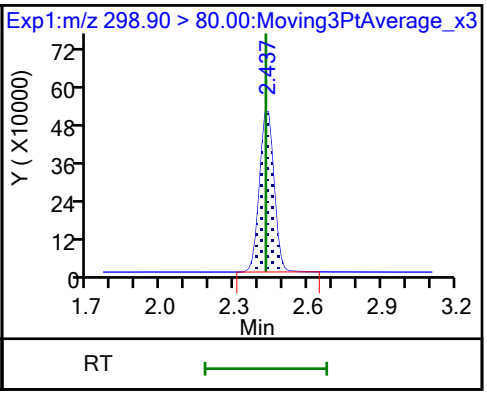
4 Perfluoropentanoic acid (M)



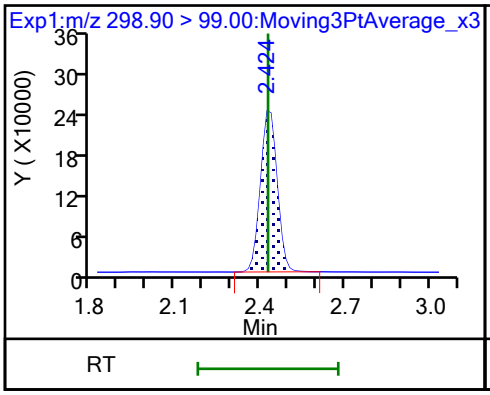
D 47 13C3 PFBS



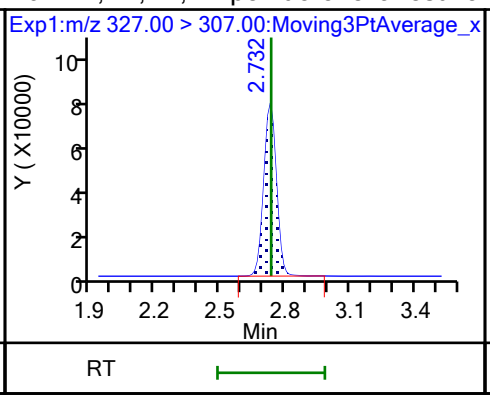
5 Perfluorobutanesulfonic acid



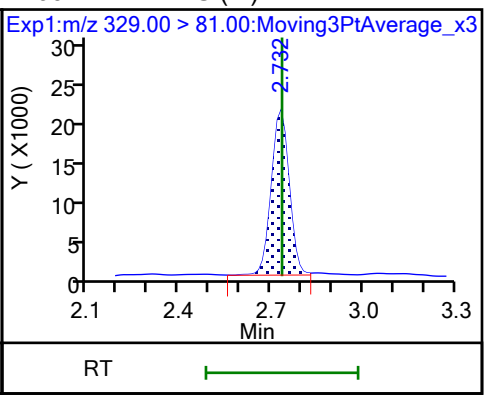
5 Perfluorobutanesulfonic acid



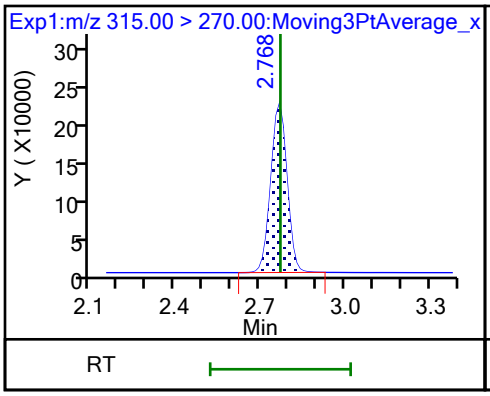
61 1H,1H,2H,2H-perfluorohexanesulfo



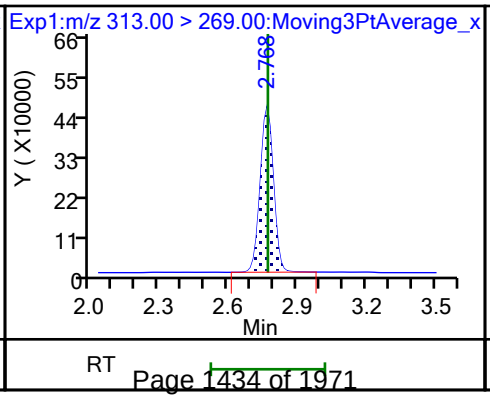
D 60 M2-4:2 FTS (M)



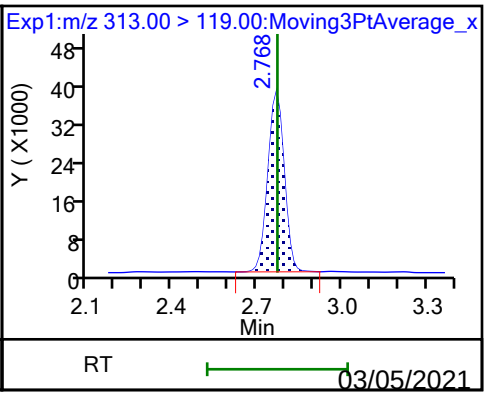
D 7 13C2 PFHxA



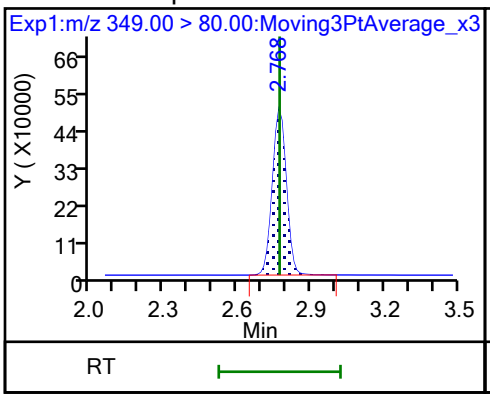
6 Perfluorohexanoic acid



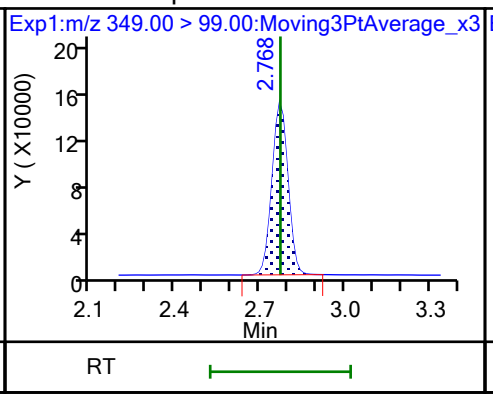
6 Perfluorohexanoic acid



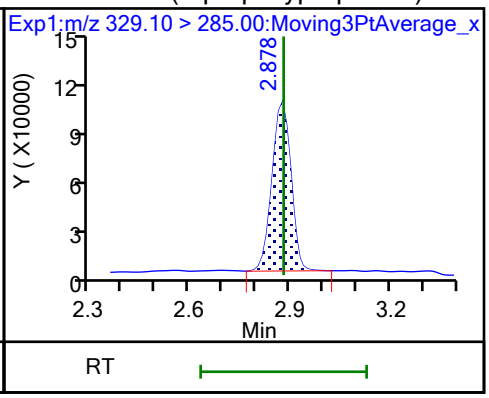
70 Perfluoropentanesulfonic acid



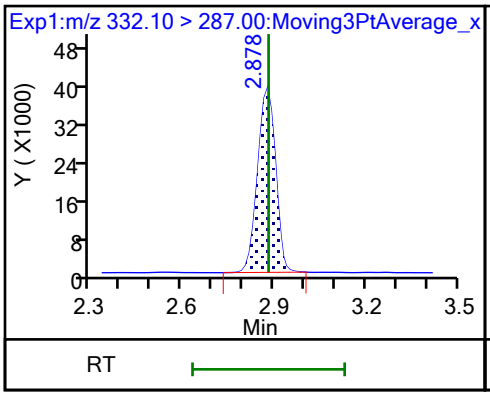
70 Perfluoropentanesulfonic acid



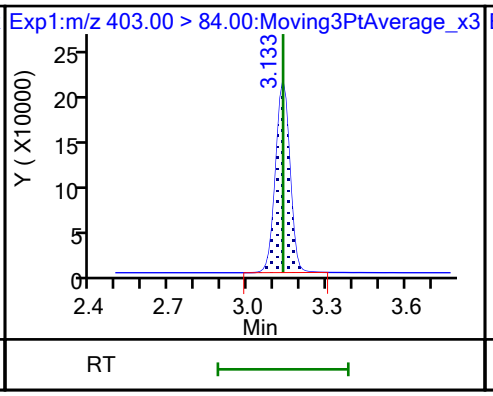
67 Perfluoro(2-propoxypropanoic) ac



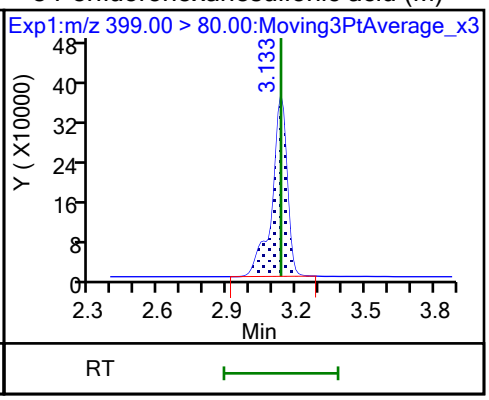
D 64 13C3 HFPO-DA



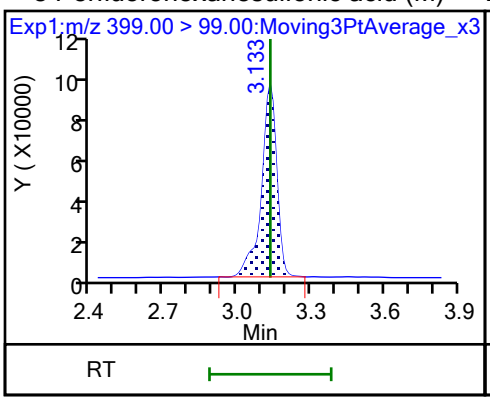
D 11 18O2 PFHxS



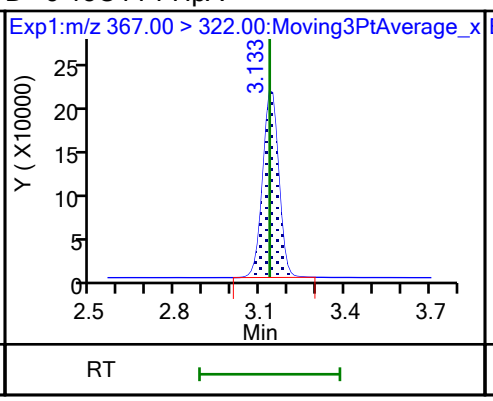
8 Perfluorohexanesulfonic acid (M)



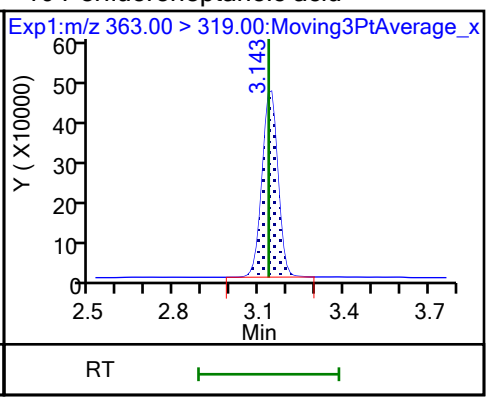
8 Perfluorohexanesulfonic acid (M)



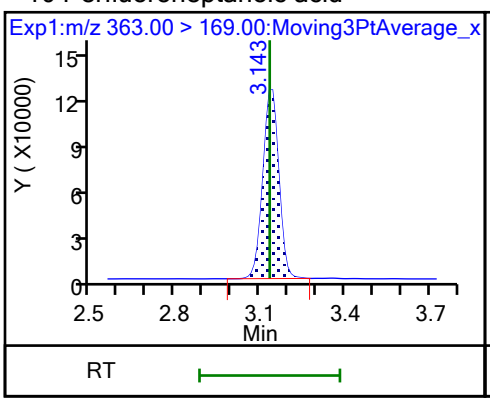
D 9 13C4 PFHpA



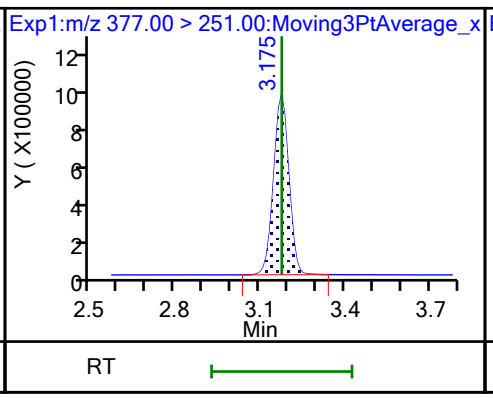
10 Perfluoroheptanoic acid



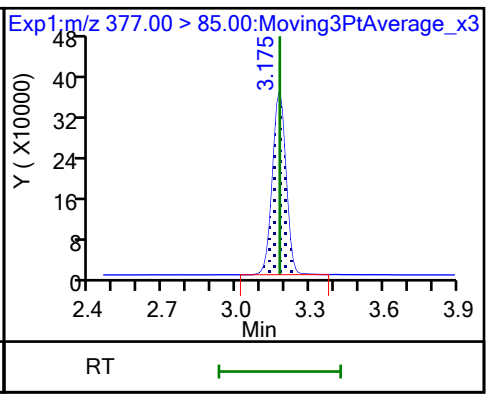
10 Perfluoroheptanoic acid



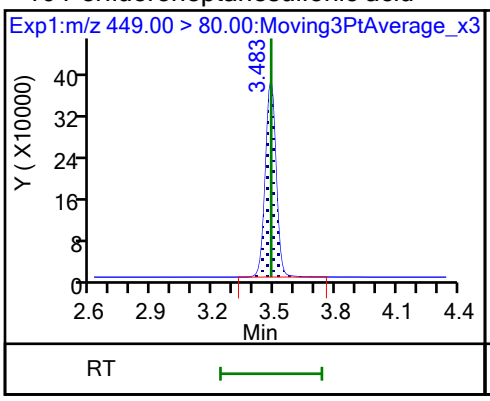
77 DONA



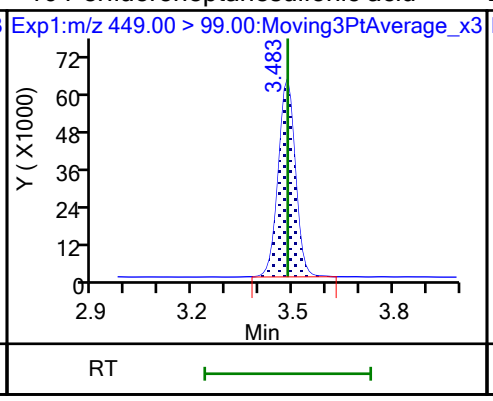
77 DONA



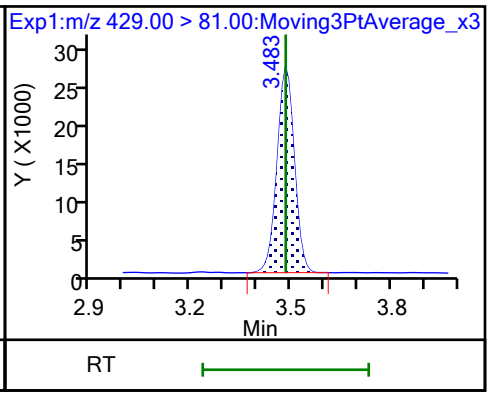
16 Perfluoroheptanesulfonic acid



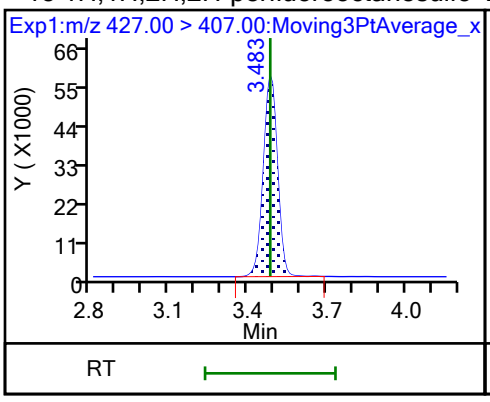
16 Perfluoroheptanesulfonic acid



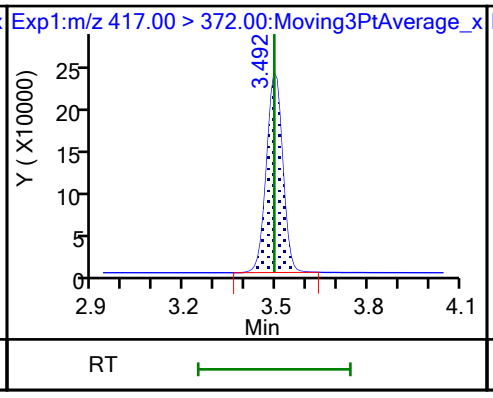
D 12 M2-6:2 FTS



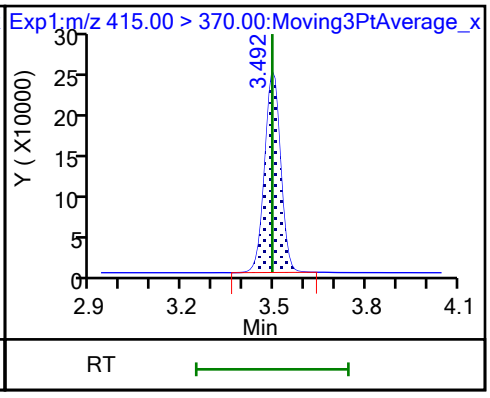
13 1H,1H,2H,2H-perfluorooctanesulfo



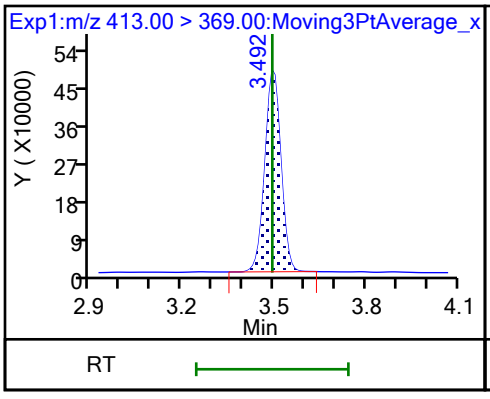
D 14 13C4 PFOA



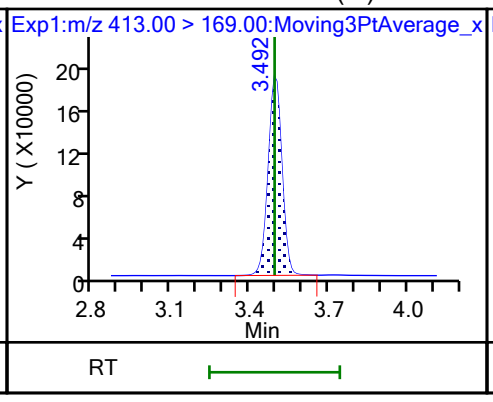
* 62 13C2 PFOA



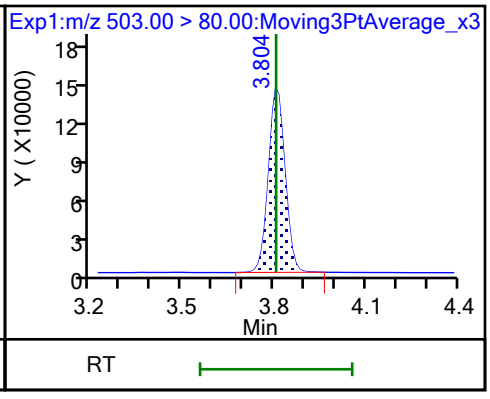
15 Perfluorooctanoic acid



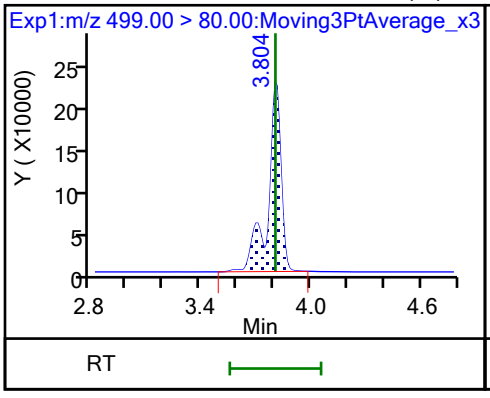
15 Perfluorooctanoic acid (M)



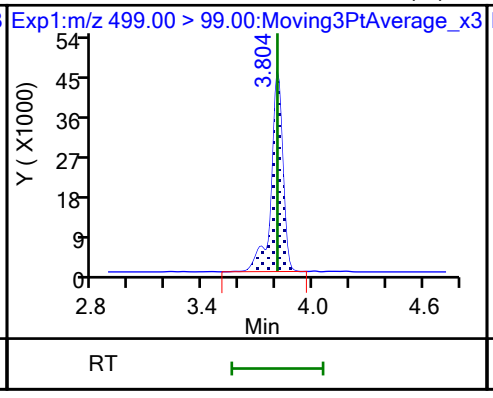
D 18 13C4 PFOS



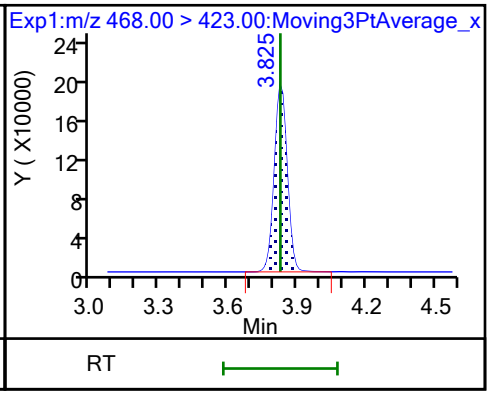
17 Perfluorooctanesulfonic acid (M)



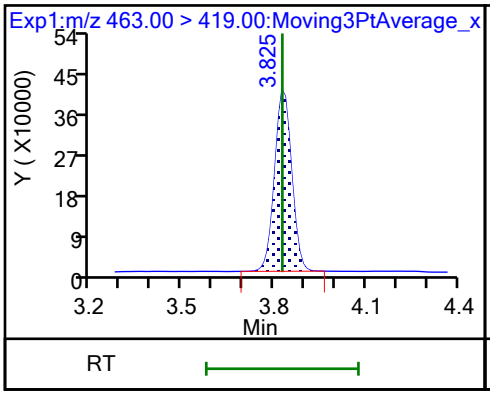
17 Perfluorooctanesulfonic acid (M)



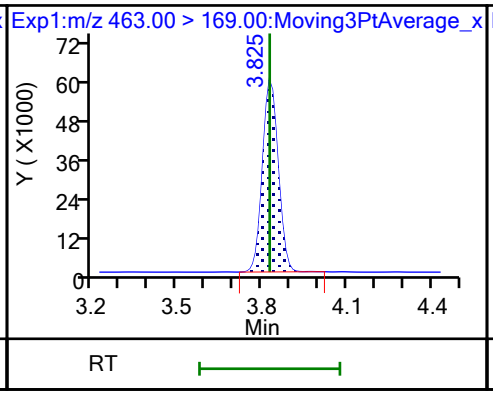
D 19 13C5 PFNA



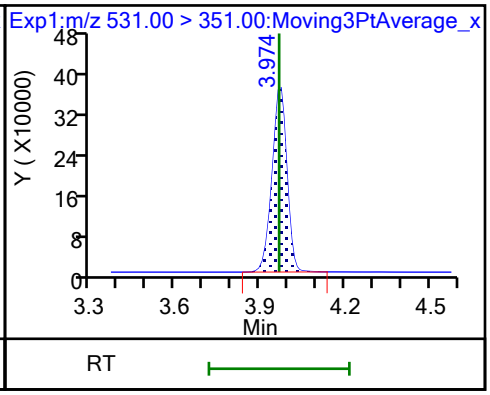
20 Perfluorononanoic acid



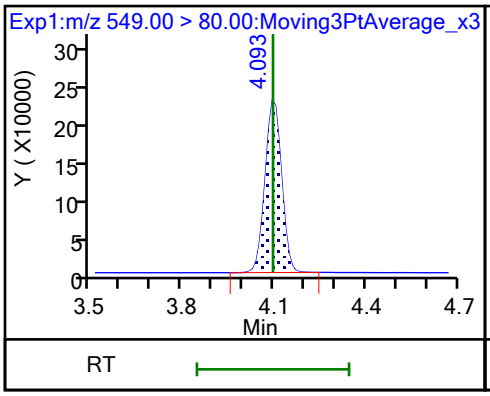
20 Perfluorononanoic acid



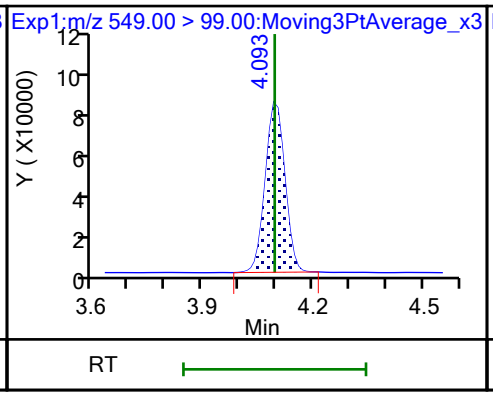
69 9-Chlorohexadecafluoro-3-oxanona



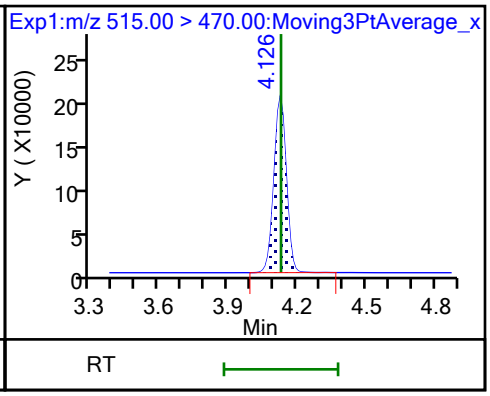
68 Perfluorononanesulfonic acid



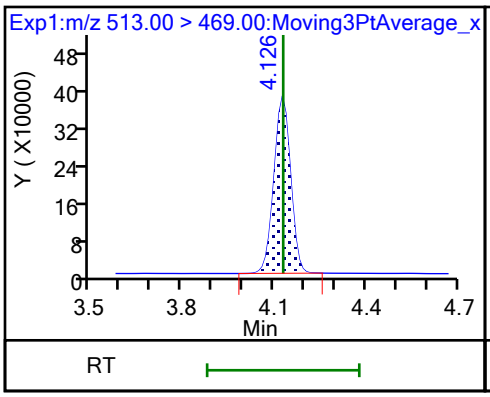
68 Perfluorononanesulfonic acid



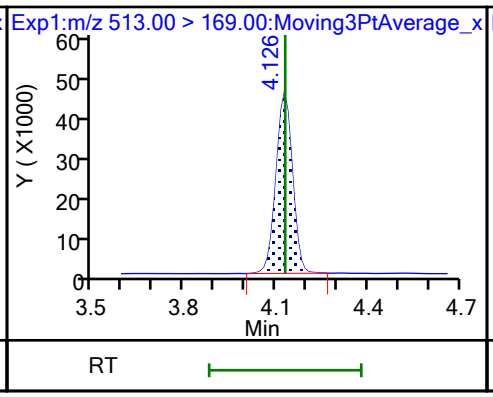
D 23 13C2 PFDA



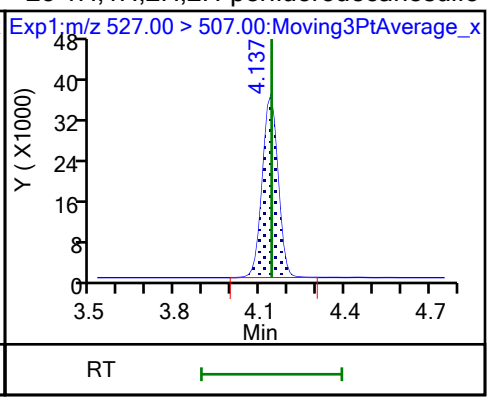
24 Perfluorodecanoic acid



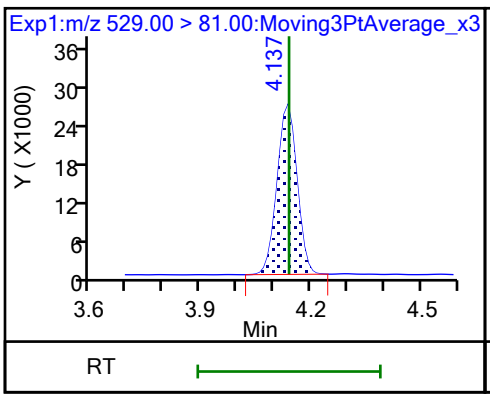
24 Perfluorodecanoic acid



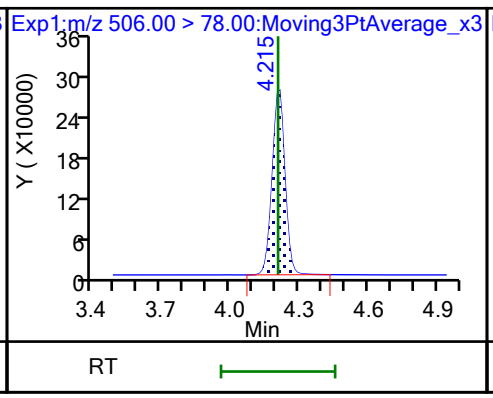
25 1H,1H,2H,2H-perfluorodecanesulfo



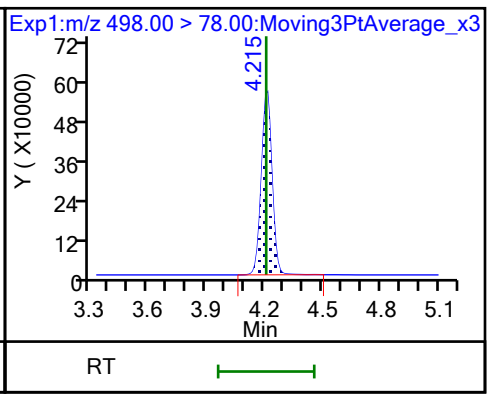
D 26 M2-8:2 FTS



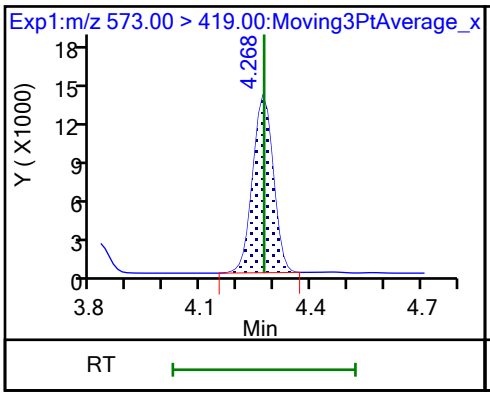
D 21 13C8 FOSA



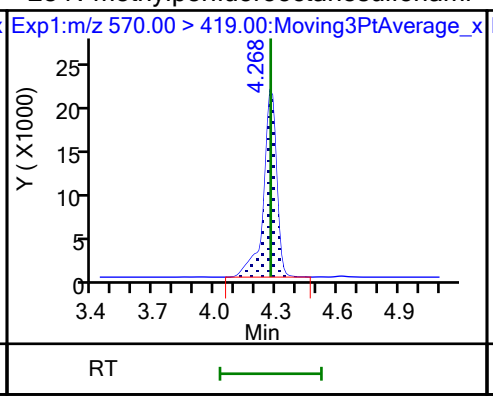
22 Perfluorooctanesulfonamide



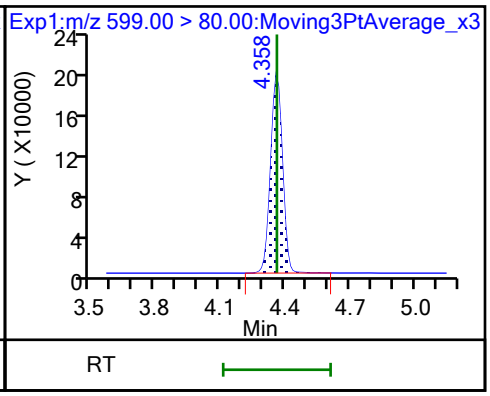
D 27 d3-NMeFOSAA



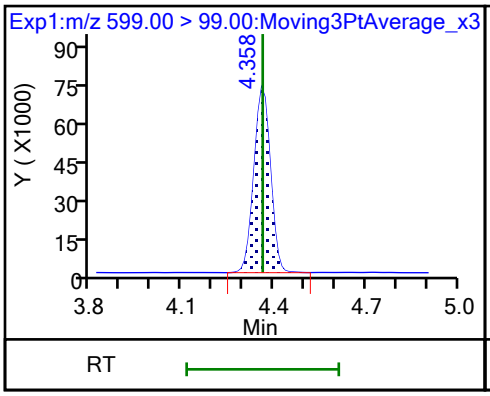
28 N-methylperfluorooctanesulfonami



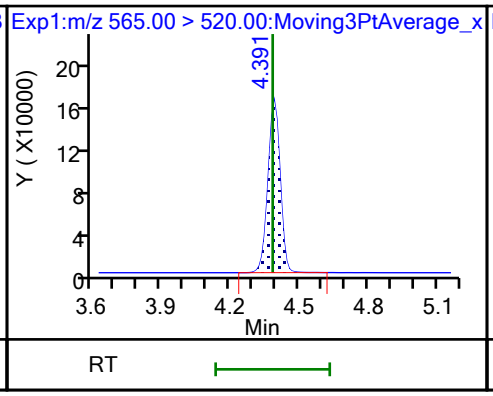
29 Perfluorodecanesulfonic acid



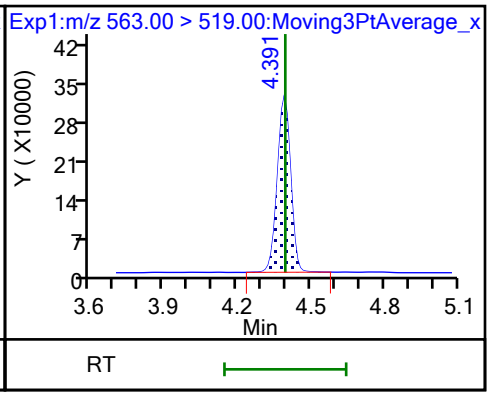
29 Perfluorodecanesulfonic acid



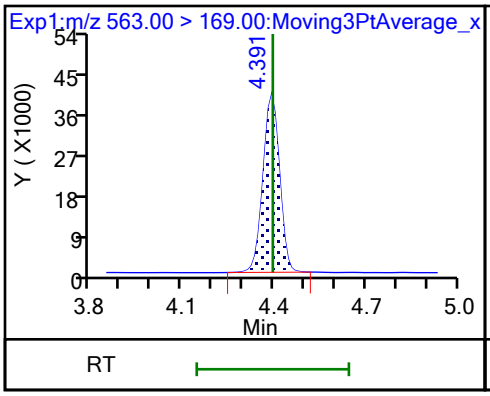
D 30 13C2 PFUnA



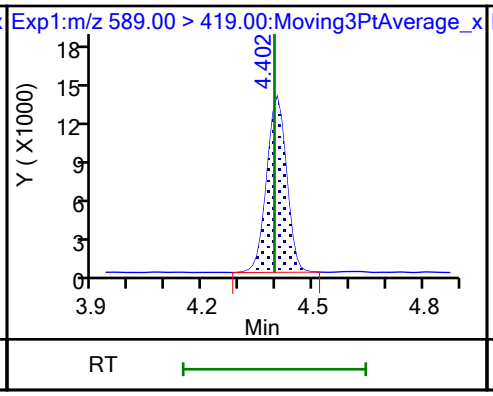
31 Perfluoroundecanoic acid



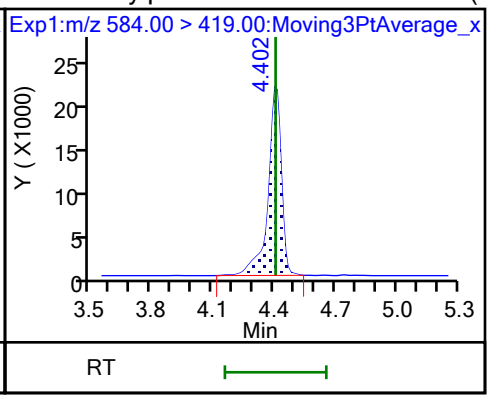
31 Perfluoroundecanoic acid



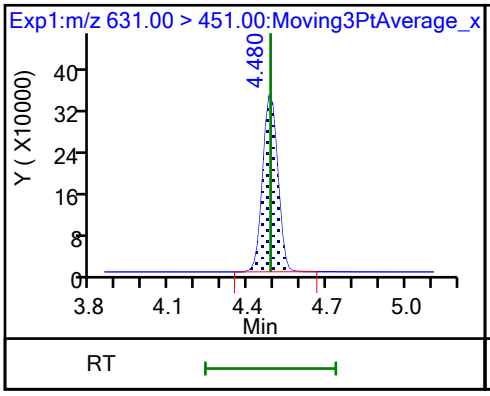
D 32 d5-NEtFOSAA



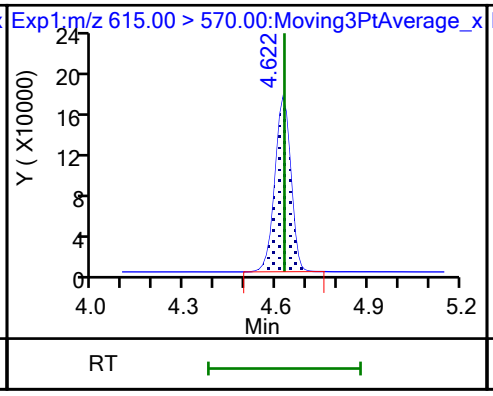
33 N-ethylperfluorooctanesulfonamid (M)



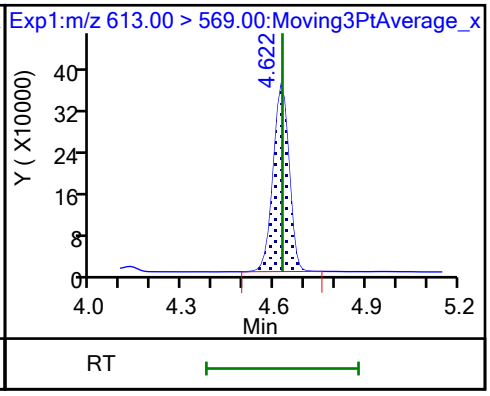
66 11-Chloroeicosafluoro-3-oxaundec



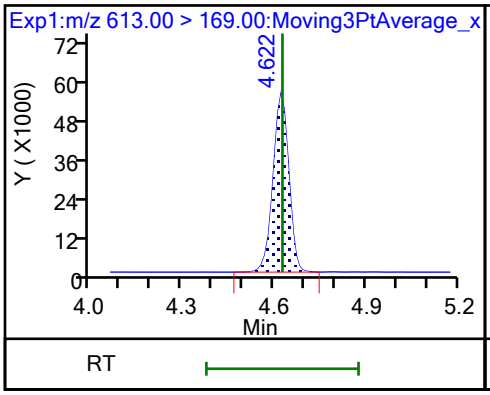
D 36 13C2 PFDoA



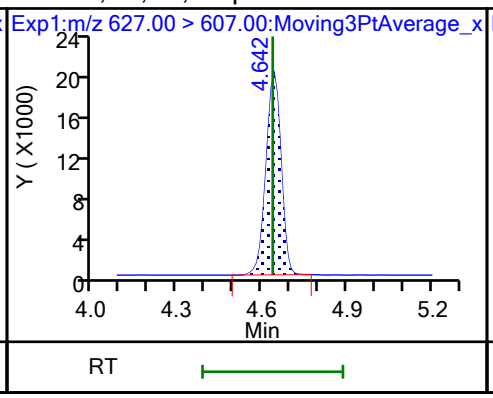
37 Perfluorododecanoic acid



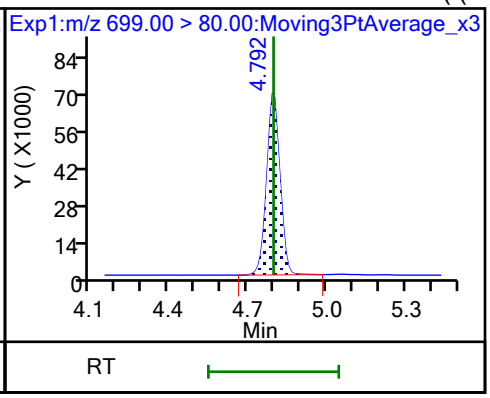
37 Perfluorododecanoic acid



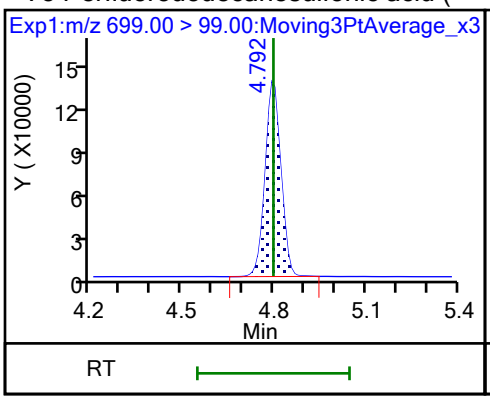
74 1H,1H,2H,2H-perfluorododecanesul



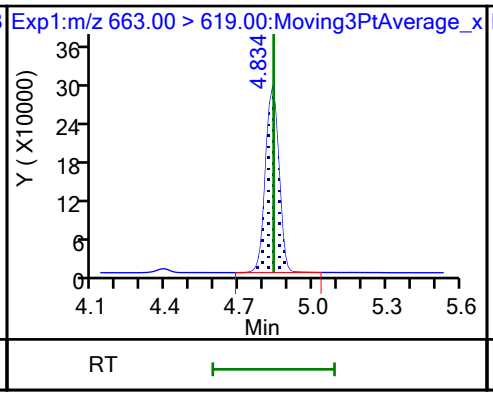
75 Perfluorododecanesulfonic acid ((M)



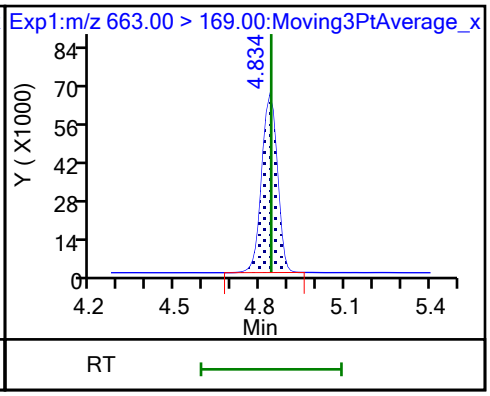
75 Perfluorododecanesulfonic acid (



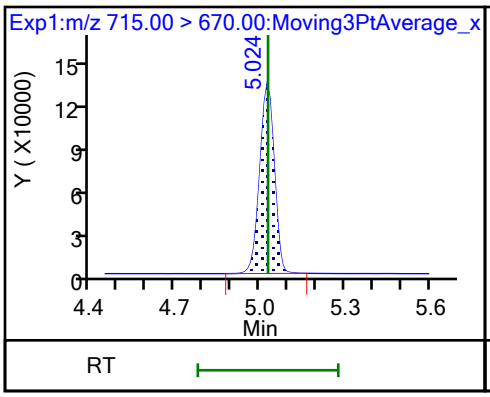
41 Perfluorotridecanoic acid



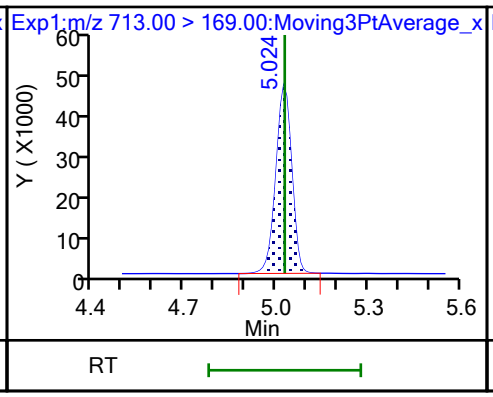
41 Perfluorotridecanoic acid



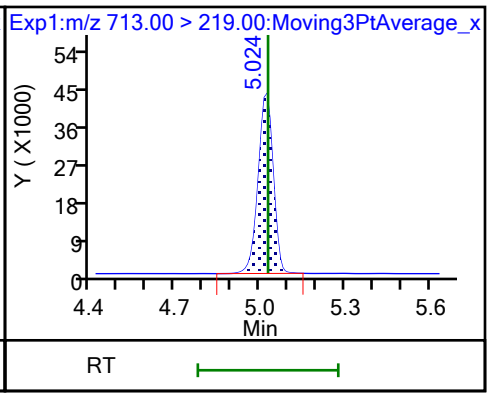
D 43 13C2 PFTeDA



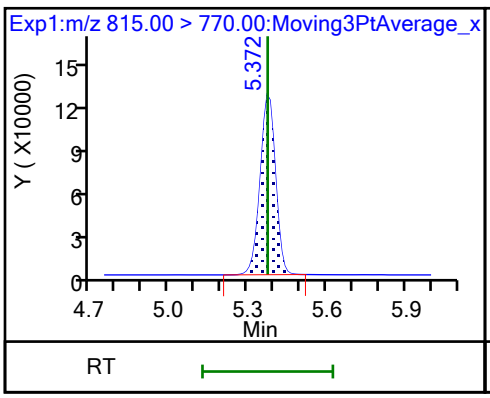
42 Perfluorotetradecanoic acid



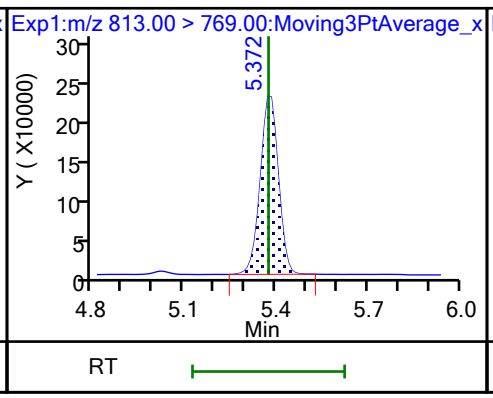
42 Perfluorotetradecanoic acid



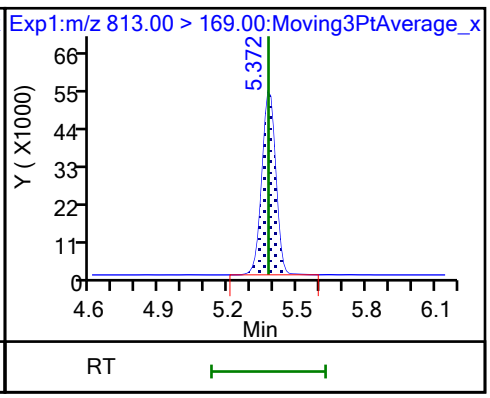
D 44 13C2 PFHxDA



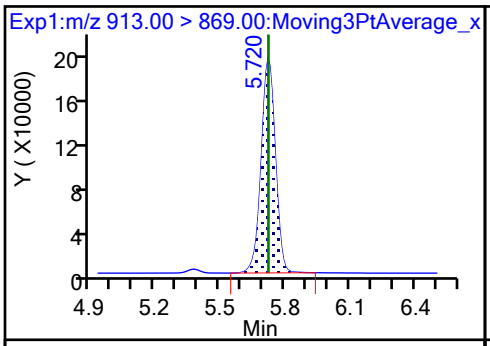
45 Perfluorohexadecanoic acid



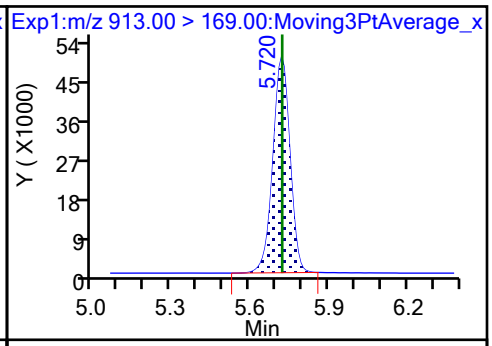
45 Perfluorohexadecanoic acid



46 Perfluorooctadecanoic acid



46 Perfluorooctadecanoic acid



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

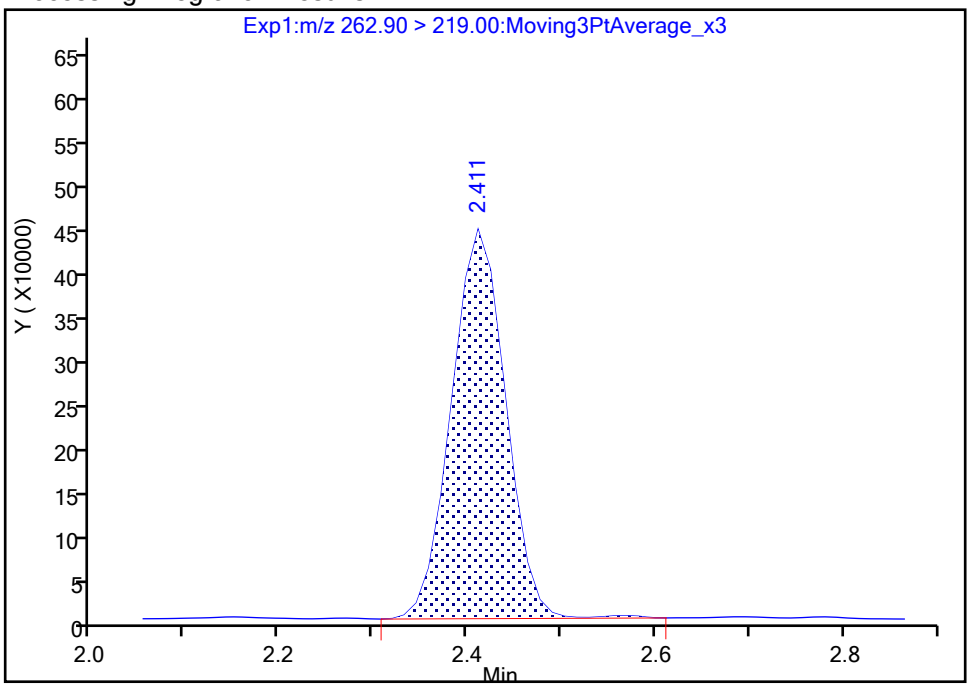
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL012.d				
Injection Date:	22-Dec-2020 13:21:21	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

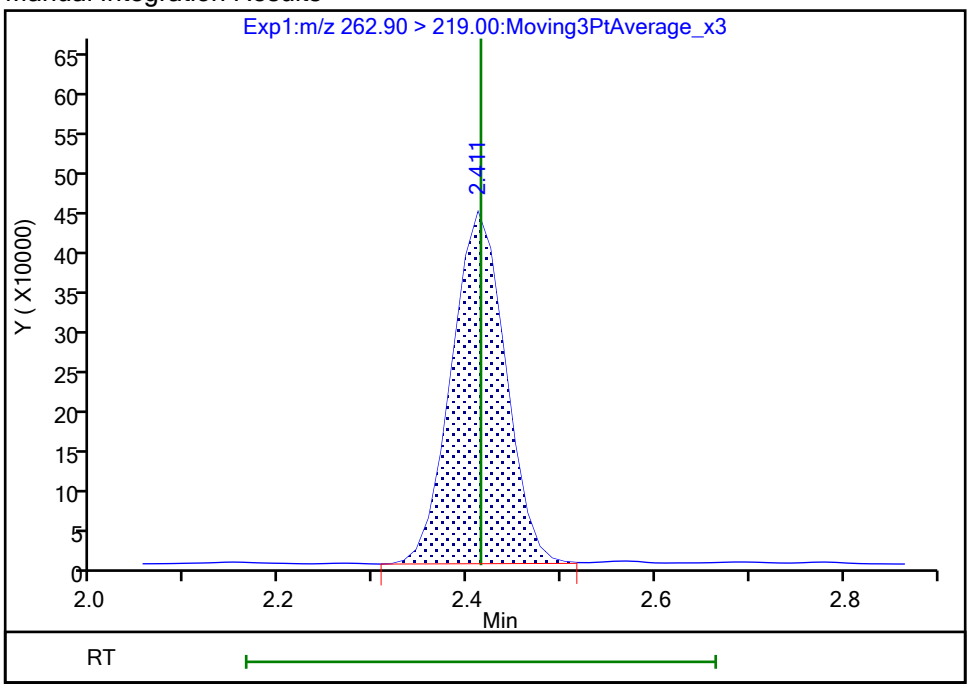
Processing Integration Results

RT: 2.41
Area: 1766120
Amount: 2.490698
Amount Units: ng/ml



Manual Integration Results

RT: 2.41
Area: 1757757
Amount: 2.333733
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 14:06:49

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

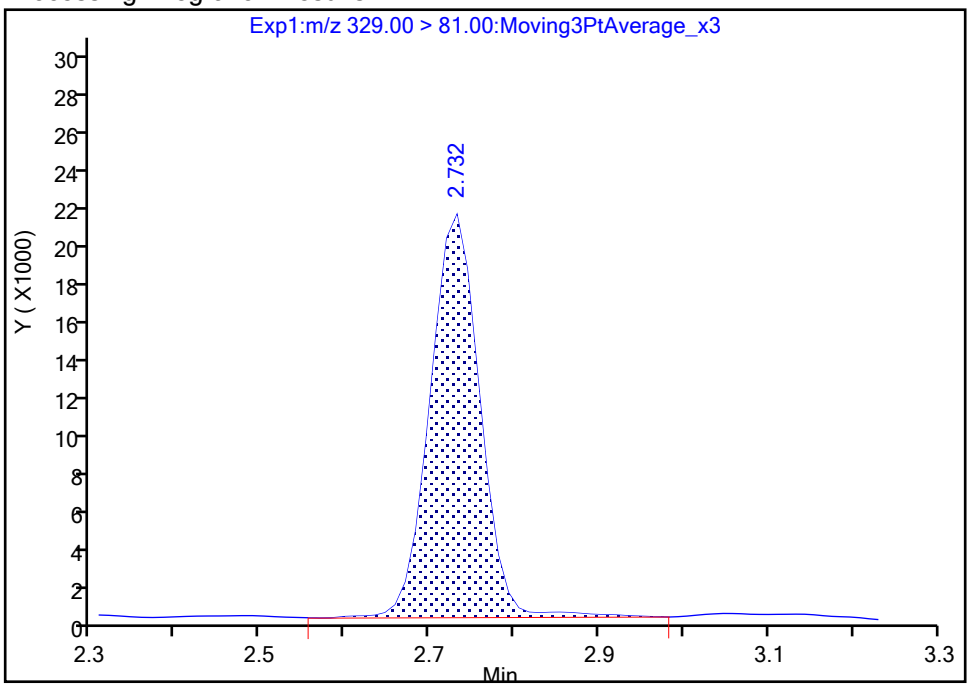
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL012.d				
Injection Date:	22-Dec-2020 13:21:21	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 60 M2-4:2 FTS, CAS: STL02395

Signal: 1

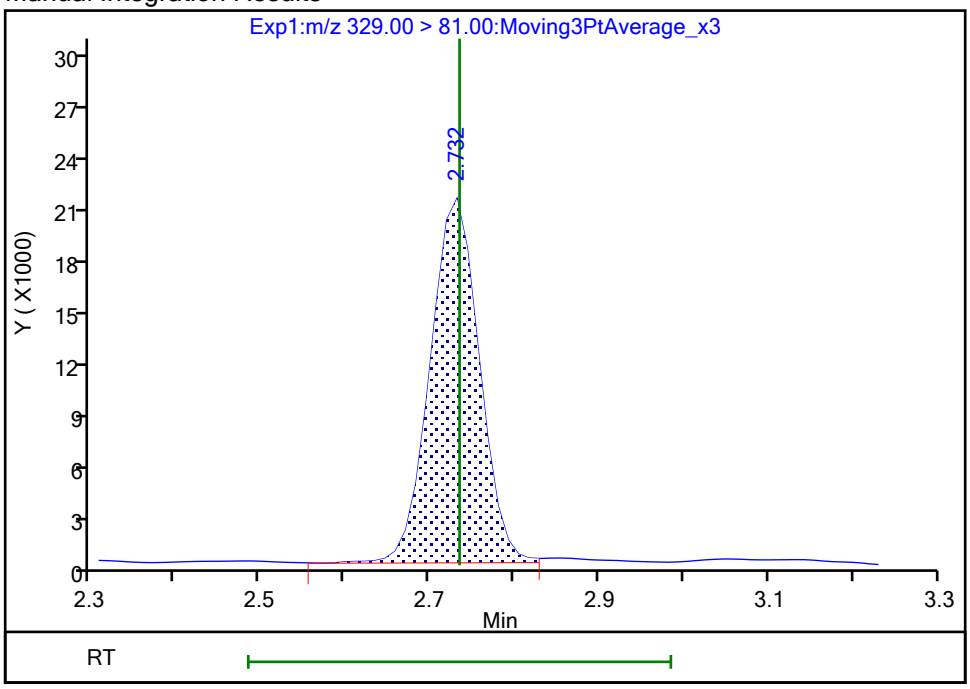
Processing Integration Results

RT: 2.73
Area: 86251
Amount: 1.130555
Amount Units: ng/ml



Manual Integration Results

RT: 2.73
Area: 85003
Amount: 1.116805
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 14:06:38
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

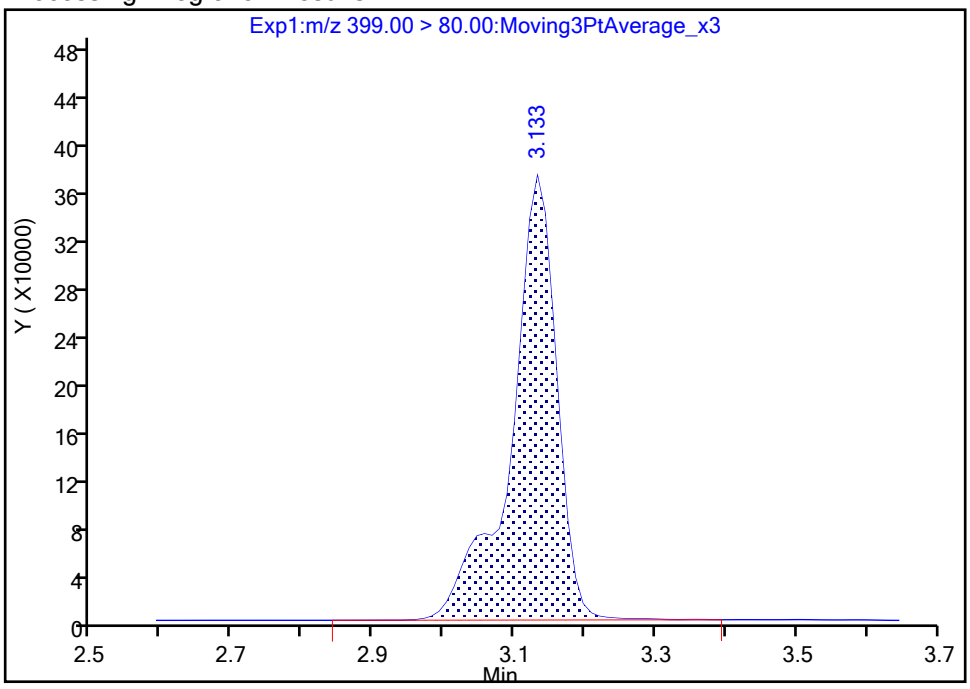
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL012.d
Injection Date: 22-Dec-2020 13:21:21 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

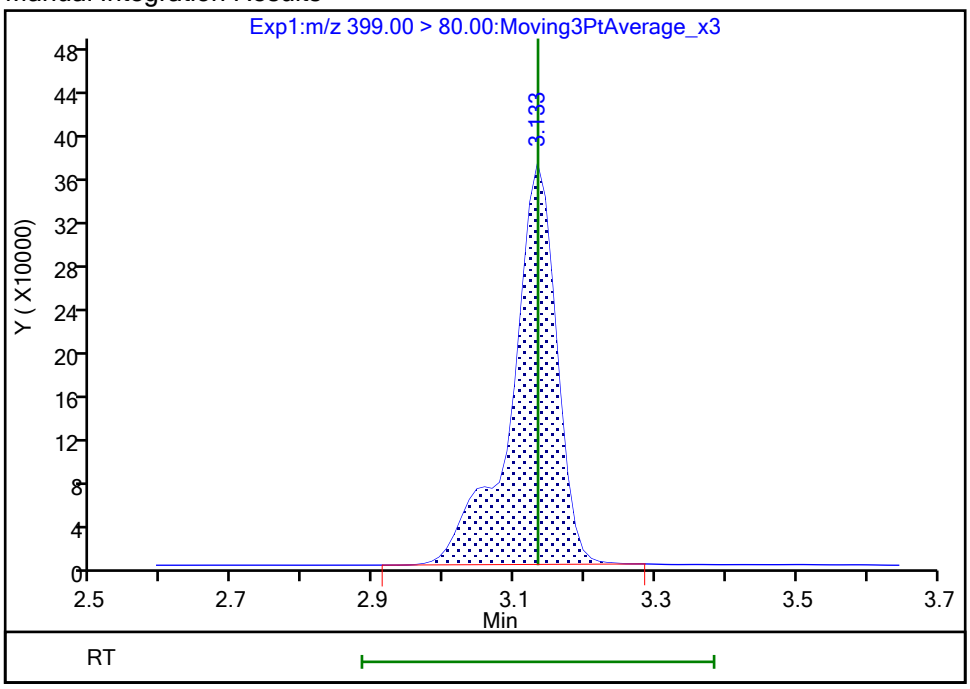
Processing Integration Results

RT: 3.13
Area: 1661072
Amount: 2.263574
Amount Units: ng/ml



Manual Integration Results

RT: 3.13
Area: 1650425
Amount: 2.083671
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 14:06:21
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

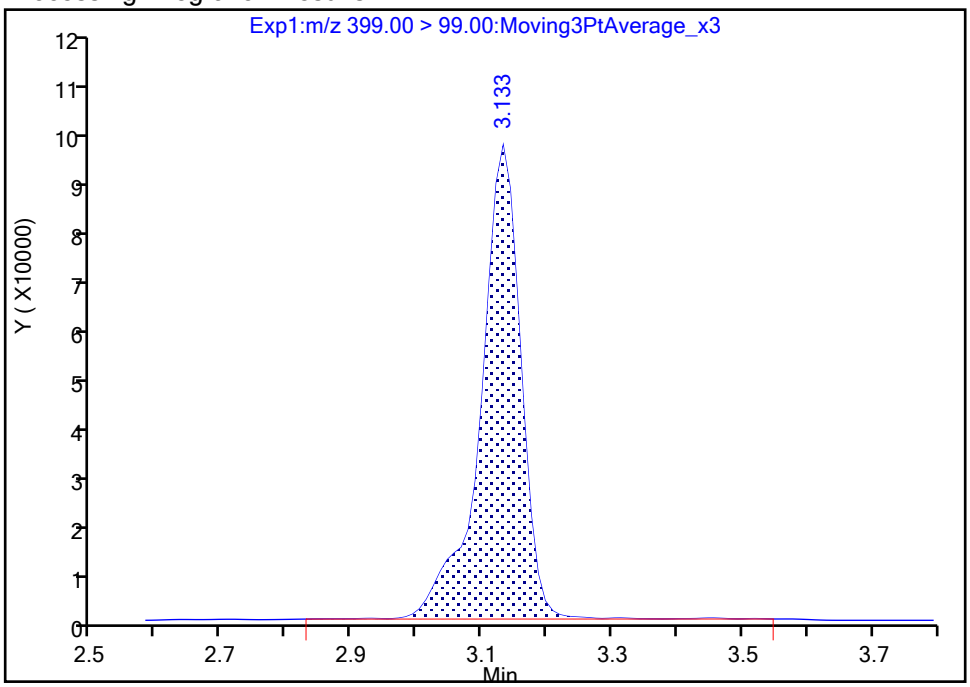
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL012.d				
Injection Date:	22-Dec-2020 13:21:21	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

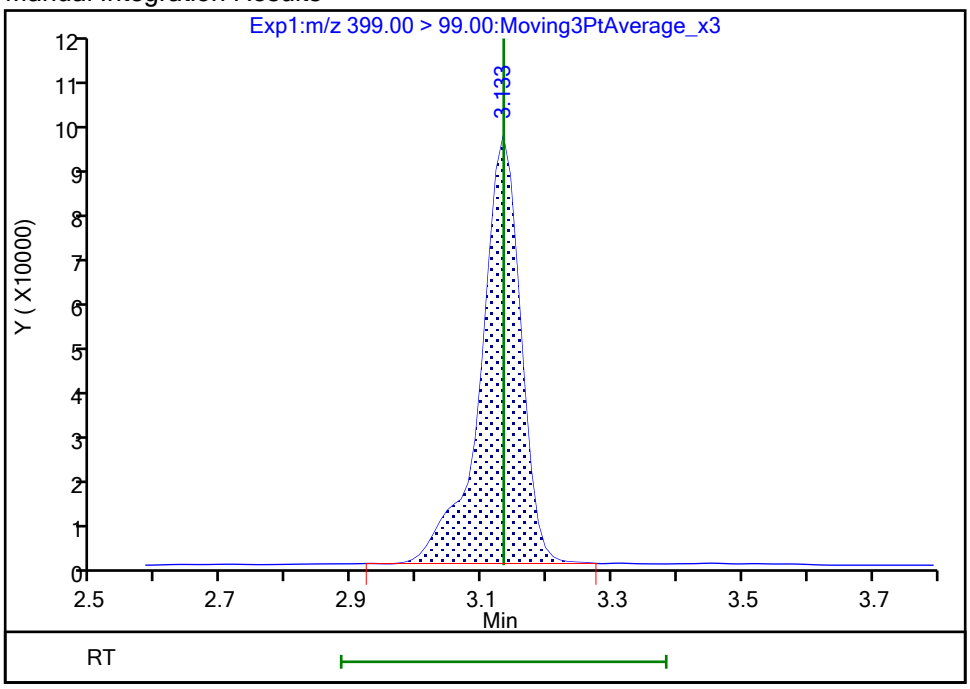
Processing Integration Results

RT: 3.13
Area: 407785
Amount: 2.263574
Amount Units: ng/ml



Manual Integration Results

RT: 3.13
Area: 403565
Amount: 2.083671
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 14:06:25

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

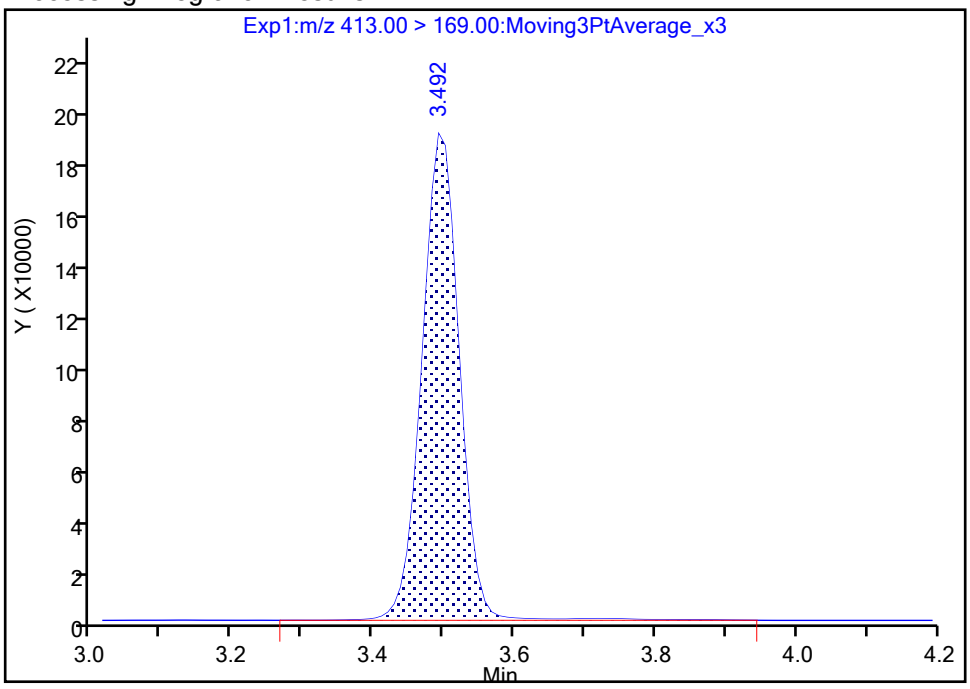
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL012.d				
Injection Date:	22-Dec-2020 13:21:21	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

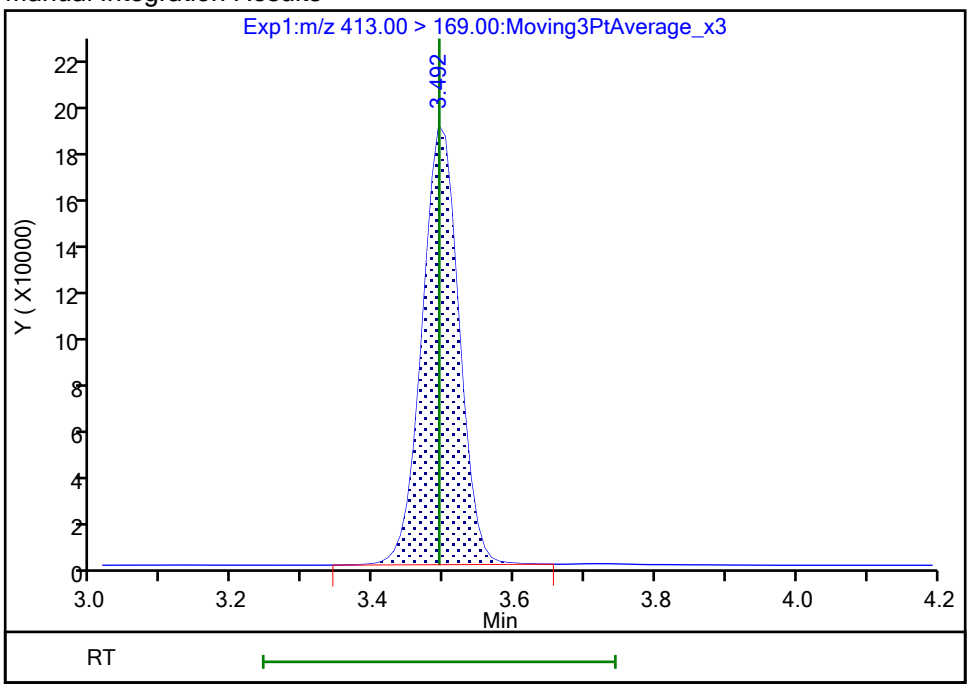
Processing Integration Results

RT: 3.49
Area: 699967
Amount: 2.406684
Amount Units: ng/ml



Manual Integration Results

RT: 3.49
Area: 690547
Amount: 2.375772
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 14:06:07

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

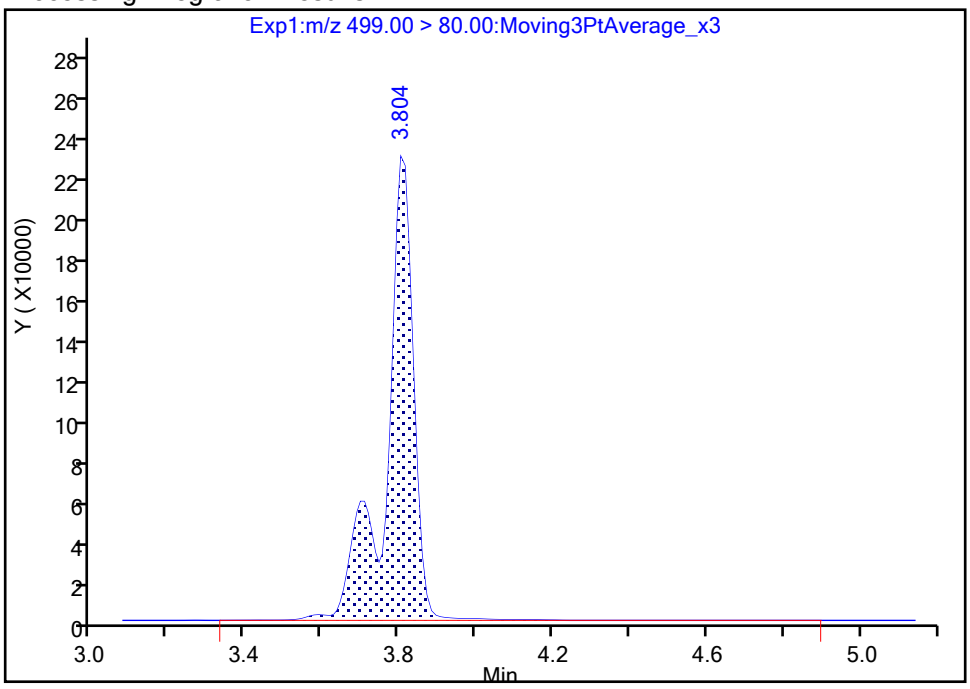
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL012.d				
Injection Date:	22-Dec-2020 13:21:21	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

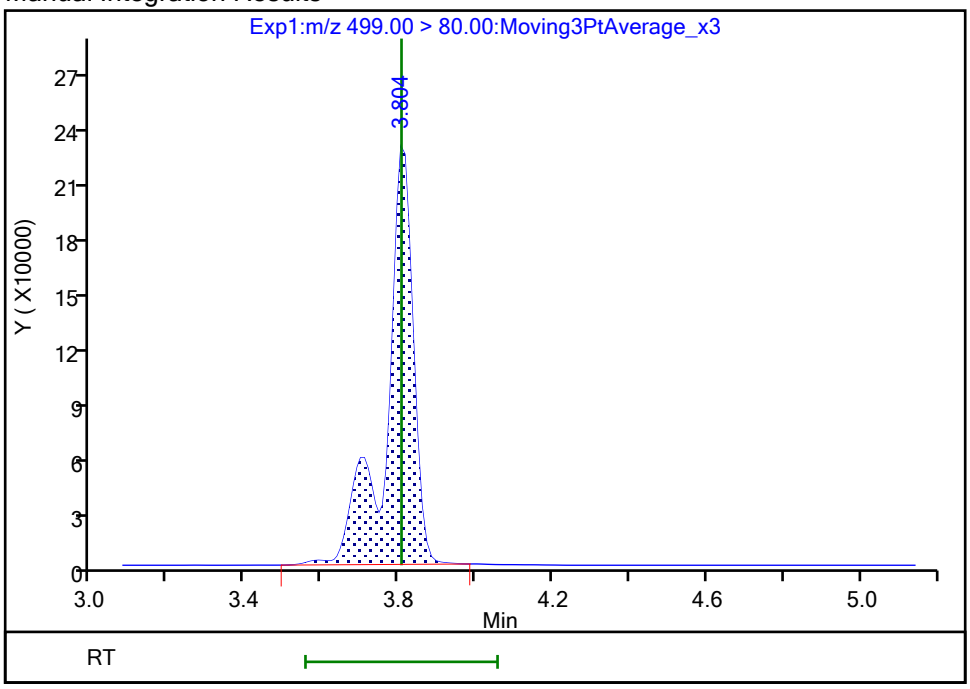
Processing Integration Results

RT: 3.80
Area: 1131058
Amount: 2.338355
Amount Units: ng/ml



Manual Integration Results

RT: 3.80
Area: 1114751
Amount: 2.187617
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 14:05:53

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

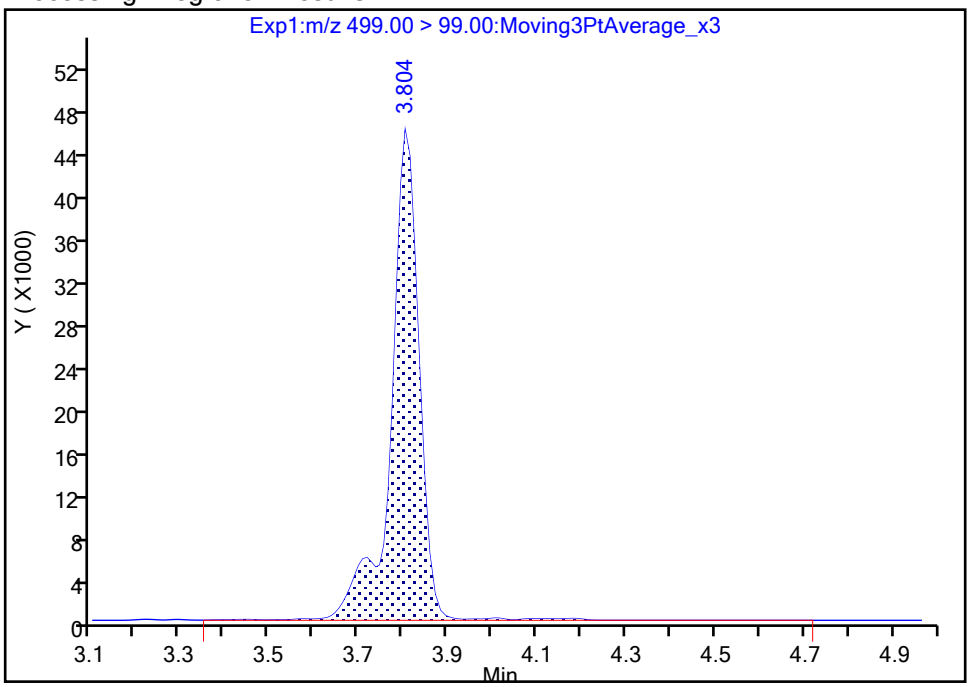
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL012.d				
Injection Date:	22-Dec-2020 13:21:21	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

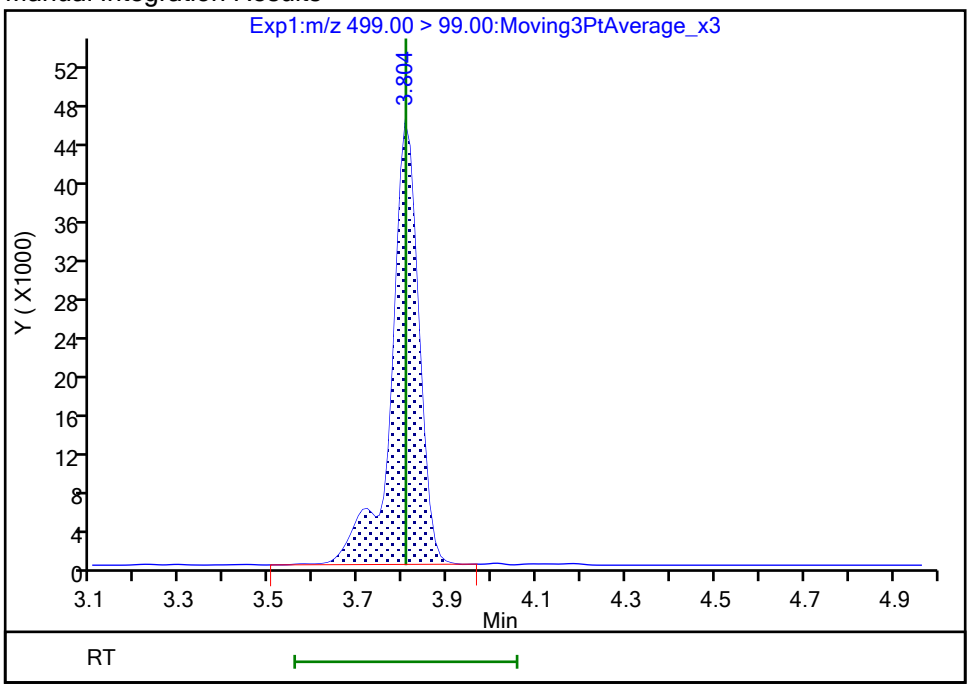
Processing Integration Results

RT: 3.80
Area: 202581
Amount: 2.338355
Amount Units: ng/ml



Manual Integration Results

RT: 3.80
Area: 198425
Amount: 2.187617
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 14:05:58

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

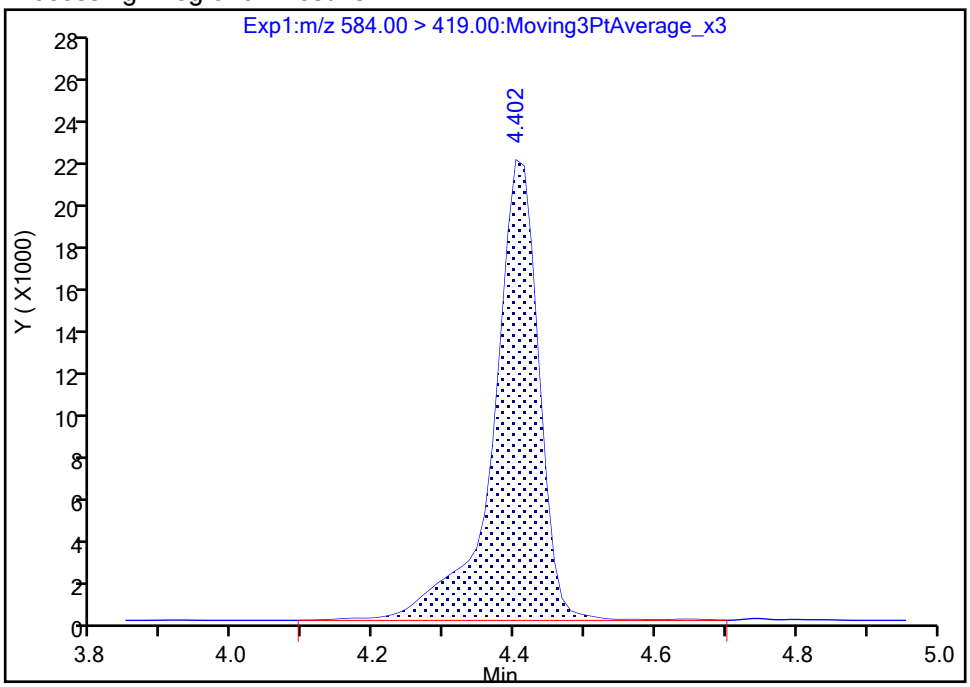
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL012.d
Injection Date: 22-Dec-2020 13:21:21 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

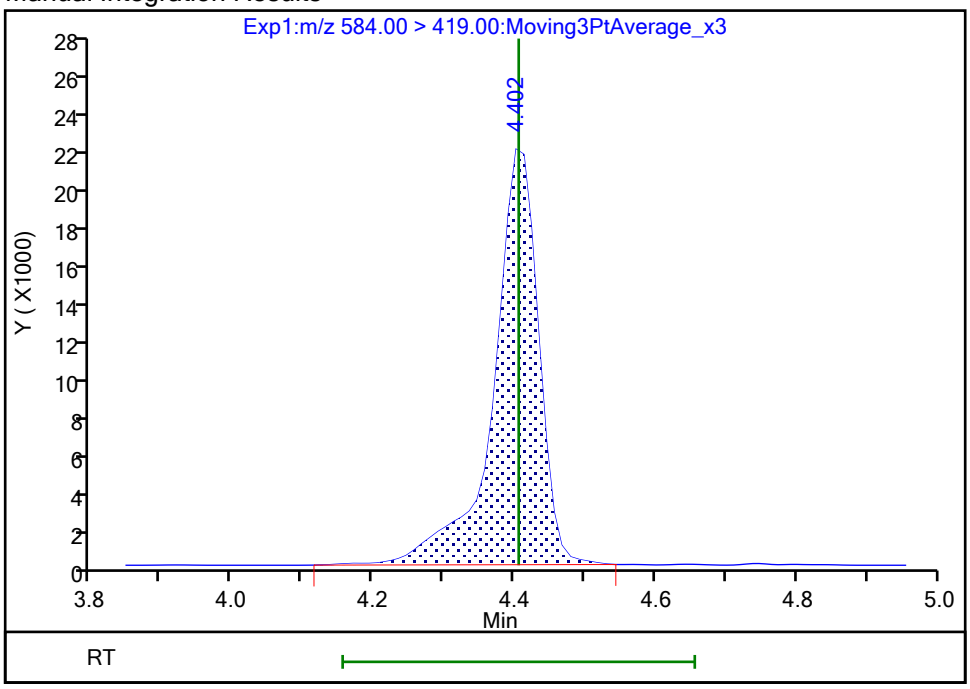
Processing Integration Results

RT: 4.40
Area: 96935
Amount: 2.773055
Amount Units: ng/ml



Manual Integration Results

RT: 4.40
Area: 96074
Amount: 2.595879
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 14:05:30
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

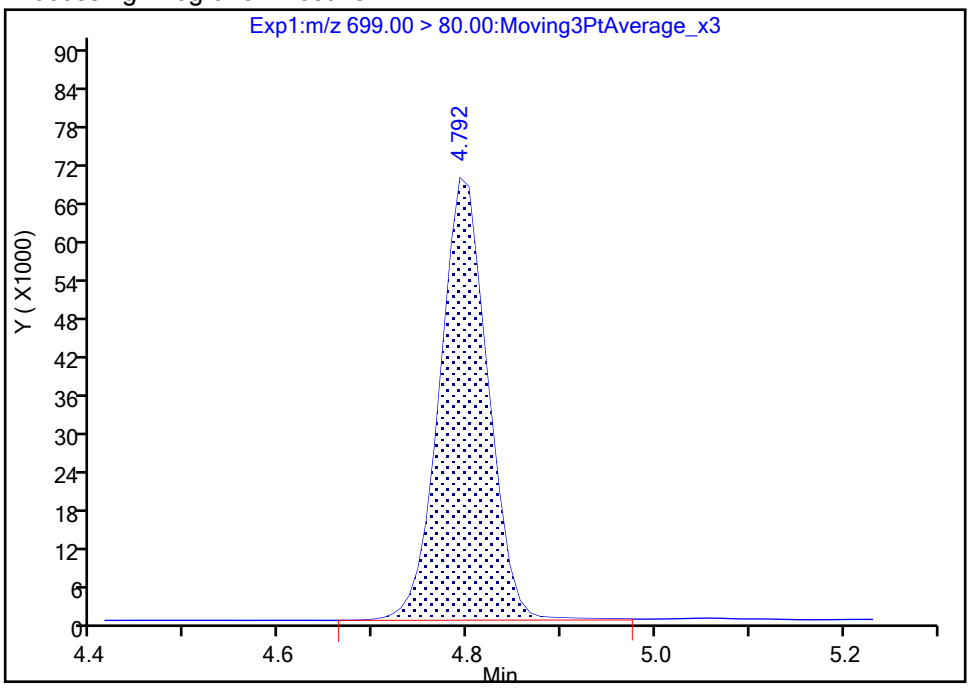
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL012.d				
Injection Date:	22-Dec-2020 13:21:21	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

75 Perfluorododecanesulfonic acid (, CAS: 79780-39-5

Signal: 1

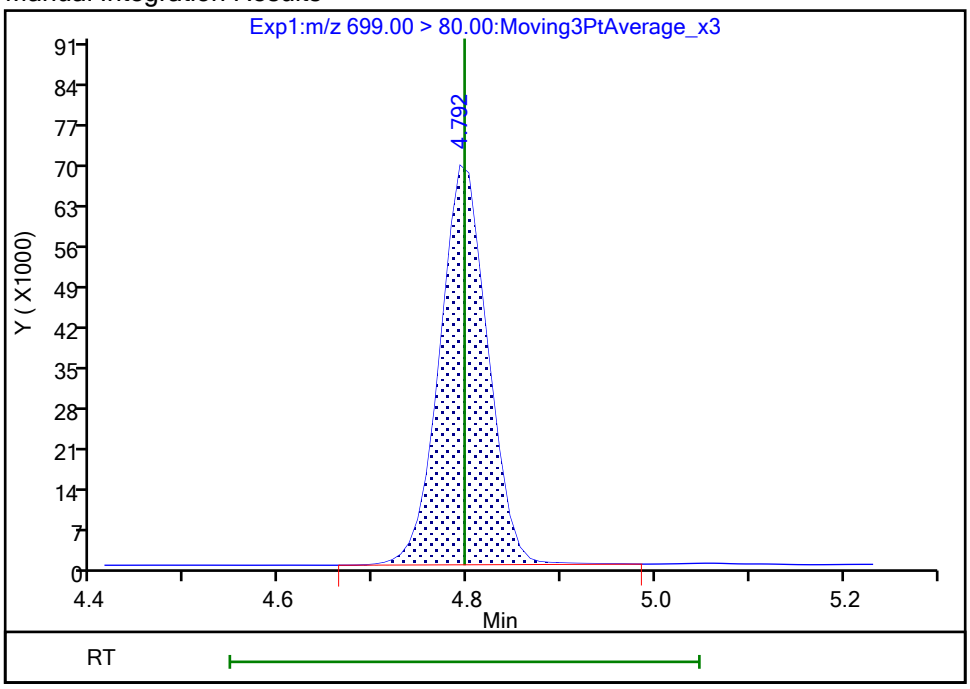
Processing Integration Results

RT: 4.79
Area: 245955
Amount: 2.200561
Amount Units: ng/ml



Manual Integration Results

RT: 4.79
Area: 244860
Amount: 2.195792
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 14:28:22
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 22-Dec-2020 13:29:37 ALS Bottle#: 7 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 200-0044184-013 Plate: 1 Rack: 1
Operator ID: lc812tech Instrument ID: LC812
Sublist: chrom-PFC_LC812*sub3

Method: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 22-Dec-2020 14:39:38 Calib Date: 22-Dec-2020 13:29:37
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1625

First Level Reviewer: deannd Date: 22-Dec-2020 14:04:56
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.089	2.091	-0.002	0.598	1192876	1.30		104	9158	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.089	2.091	-0.002	1.000	8790651	9.19		91.9	1191	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.411	2.414	-0.003	0.690	847223	1.28		102	2699	
4 Perfluoropentanoic acid										
262.90 > 219.00	2.411	2.414	-0.003	1.000	7036279	9.38		93.8	265	
D 47 13C3 PFBS										
301.90 > 80.00	2.424	2.427	-0.003	0.694	1066974	1.23		105	392285	
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.424	2.427	-0.003	1.000	8770776	8.45	Target=2.21	95.6	5300	M
298.90 > 99.00	2.424	2.427	-0.003	1.000	3982557		2.20(1.10-3.31)	95.6	2595	M
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.732	2.735	-0.003	1.000	1254443	9.07		97.1	2421	
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.732	2.735	-0.003	0.782	88021	1.21		104	101	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.768	2.771	-0.003	0.793	866171	1.25		100.0	3139	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.768	2.771	-0.003	1.000	7316861	9.67	Target=12.17	96.7	1318	M
313.00 > 119.00	2.768	2.771	-0.003	1.000	600272		12.19(6.09-18.26)	96.7	839	M
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.768	2.771	-0.003	0.884	8114898	9.12	Target=3.32	97.2	3936	M
349.00 > 99.00	2.768	2.771	-0.003	0.884	2455035		3.31(1.66-4.98)	97.2	2029	M
67 Perfluoro(2-propoxypropanoic) ac										M
329.10 > 285.00	2.878	2.881	-0.003	1.000	1690983	10.9		109	180	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 64 13C3 HFPO-DA										
332.10 > 287.00	2.878	2.881	-0.003	0.824	139707	1.14		91.6	855	
D 11 18O2 PFHxS										
403.00 > 84.00	3.132	3.133	-0.001	0.897	801639	1.24		105	3223	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.132	3.133	-0.001	1.000	6676661	8.36	Target=4.08	91.8	1824	M
399.00 > 99.00	3.132	3.133	-0.001	1.000	1631116		4.09(2.04-6.11)	91.8	1026	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.132	3.133	-0.001	0.897	866766	1.31		104	2235	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.132	3.133	-0.001	1.000	6968995	9.20	Target=3.70	92.0	1254	
363.00 > 169.00	3.132	3.133	-0.001	1.000	1961292		3.55(1.85-5.56)	92.0	2662	
77 DONA										M
377.00 > 251.00	3.175	3.176	-0.001	0.835	13928638	9.00	Target=2.47	95.5	4514	M
377.00 > 85.00	3.175	3.176	-0.001	0.835	5802950		2.40(1.23-3.70)	95.5	2592	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.483	3.484	-0.001	0.916	5572962	8.93	Target=5.85	93.8	3244	M
449.00 > 99.00	3.483	3.484	-0.001	0.916	965141		5.77(2.93-8.78)	93.8	2810	M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.483	3.484	-0.001	0.997	96331	1.19		100	384	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.483	3.484	-0.001	1.000	854196	9.47		99.9	1820	M
D 14 13C4 PFOA										
417.00 > 372.00	3.492	3.493	-0.001	1.000	839703	1.25		99.7	2870	
* 62 13C2 PFOA										
415.00 > 370.00	3.492	3.493	-0.001		851453	1.25			3240	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.492	3.493	-0.001	1.000	7252703	9.96	Target=2.58	99.6	1101	M
413.00 > 169.00	3.492	3.493	-0.001	1.000	2794731		2.60(1.29-3.87)	99.6	2212	M
D 18 13C4 PFOS										
503.00 > 80.00	3.804	3.806	-0.002	1.089	552420	1.24		104	894	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.804	3.806	-0.002	1.000	4659375	8.76	Target=5.56	94.4	3431	M
499.00 > 99.00	3.804	3.806	-0.002	1.000	828174		5.63(2.78-8.34)	94.4	1717	M
D 19 13C5 PFNA										
468.00 > 423.00	3.825	3.826	-0.001	1.095	738168	1.24		99.3	3598	
20 Perfluorononanoic acid										
463.00 > 419.00	3.825	3.826	-0.001	1.000	6204125	9.49	Target=6.87	94.9	920	
463.00 > 169.00	3.825	3.826	-0.001	1.000	903137		6.87(3.43-10.30)	94.9	3042	
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.964	3.967	-0.003	1.042	5263362	8.87		95.2	5275	M
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.093	4.095	-0.002	1.076	3577811	9.02	Target=2.78	94.0	11373	
549.00 > 99.00	4.093	4.095	-0.002	1.076	1313064		2.72(1.39-4.17)	94.0	3473	
D 23 13C2 PFDA										
515.00 > 470.00	4.126	4.129	-0.003	1.182	699346	1.23		98.4	3511	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										
513.00 > 469.00	4.126	4.129	-0.003	1.000	5664507	9.82	Target=9.03	98.2	2648	
513.00 > 169.00	4.126	4.129	-0.003	1.000	633903		8.94(4.51-13.54)	98.2	3241	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.138	4.140	-0.002	1.000	551191	9.19		95.9	3136	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.138	4.140	-0.002	1.185	105624	1.27		106	519	
D 21 13C8 FOSA										
506.00 > 78.00	4.205	4.207	-0.002	1.204	1111429	1.33		106	3985	
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.215	4.207	0.008	1.002	8663983	9.72		97.2	4787	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.268	4.272	-0.004	1.222	52838	1.28		103	18.4	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.268	4.272	-0.004	1.000	390016	10.4		104	632	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.358	4.362	-0.004	1.146	2896712	9.16	Target=2.76	95.0	3660	
599.00 > 99.00	4.358	4.362	-0.004	1.146	1043601		2.78(1.38-4.14)	95.0	2448	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.391	4.384	0.007	1.257	589898	1.26		101	2327	
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.391	4.395	-0.004	1.000	4701521	9.77	Target=8.02	97.7	1491	
563.00 > 169.00	4.391	4.395	-0.004	1.000	566462		8.30(4.01-12.03)	97.7	4044	
D 32 d5-NEtFOSAA										M
589.00 > 419.00	4.402	4.395	0.007	1.261	52405	1.31		105	495	M
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.402	4.406	-0.004	1.000	355914	9.17		91.7	1454	M
66 11-Chloroeicosafluoro-3-oxaundec										
631.00 > 451.00	4.480	4.485	-0.005	1.178	5616158	9.12		96.9	3009	
D 36 13C2 PFDoA										
615.00 > 570.00	4.622	4.626	-0.004	1.323	631964	1.28		103	3397	
37 Perfluorododecanoic acid										
613.00 > 569.00	4.622	4.626	-0.004	1.000	5514700	9.92	Target=6.85	99.2	1136	
613.00 > 169.00	4.622	4.626	-0.004	1.000	787613		7.00(3.42-10.27)	99.2	3121	
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.643	4.637	0.006	1.122	297521	9.63		99.9	2455	
75 Perfluorododecanesulfonic acid (										M
699.00 > 80.00	4.792	4.797	-0.005	1.260	1019532	8.76	Target=0.53	90.5	1881	M
699.00 > 99.00	4.792	4.797	-0.005	1.260	2048689		0.50(0.26-0.79)	90.5	4378	
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.834	4.839	-0.005	1.046	4302065	9.53	Target=4.48	95.3	1238	
663.00 > 169.00	4.834	4.839	-0.005	1.046	944848		4.55(2.24-6.72)	95.3	2957	
D 43 13C2 PFTeDA										
715.00 > 670.00	5.024	5.027	-0.003	1.439	471704	1.29		103	2620	
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.024	5.027	-0.003	1.000	657979	9.40	Target=0.99	94.0	4514	
713.00 > 219.00	5.024	5.027	-0.003	1.000	661054		1.00(0.50-1.49)	94.0	4489	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 44 13C2 PFHxDA										
815.00 > 770.00	5.372	5.374	-0.002	1.538	502634	1.29		103	1958	
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.383	5.374	0.009	1.002	3749492	10.0	Target=4.02	100.0	831	M
813.00 > 169.00	5.372	5.374	-0.002	1.000	935182		4.01(2.01-6.02)	100.0	2911	M
46 Perfluorooctadecanoic acid										
913.00 > 869.00	5.720	5.722	-0.002	1.065	3647983	10.1	Target=3.88	101	1290	
913.00 > 169.00	5.720	5.722	-0.002	1.065	937246		3.89(1.94-5.82)	101	1904	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

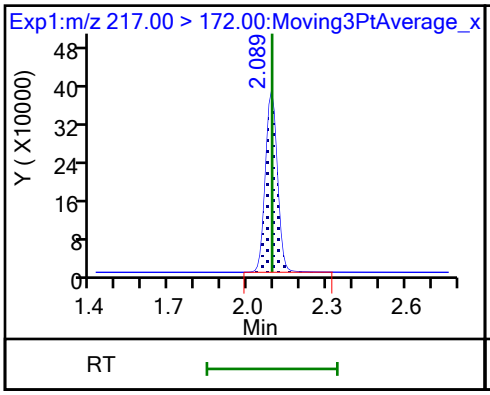
PFAS32NCIC6_00006 Amount Added: 100.00 Units: uL

Report Date: 22-Dec-2020 14:39:38 Chrom Revision: 2.3 09-Dec-2020 16:22:14

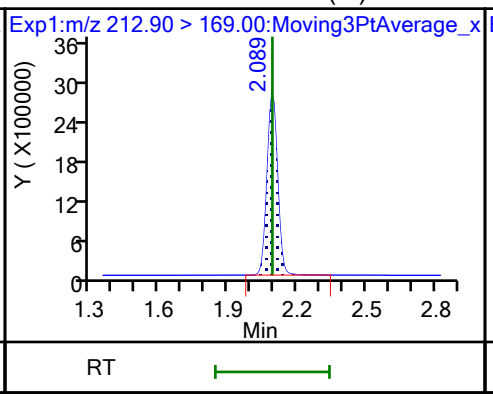
Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d
Injection Date: 22-Dec-2020 13:29:37 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL

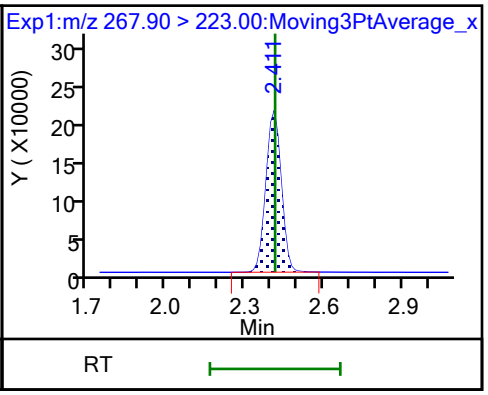
D 1 13C4 PFBA



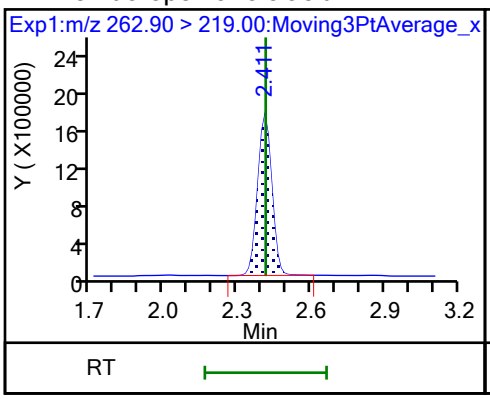
2 Perfluorobutanoic acid (M)



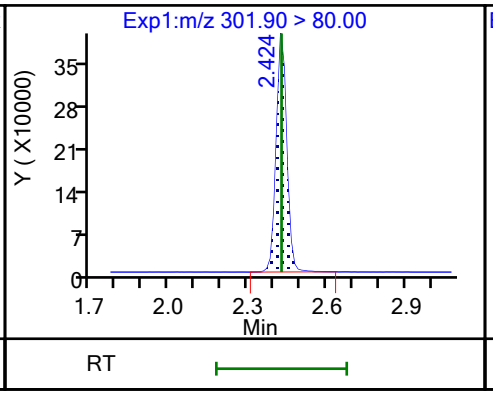
D 3 13C5 PFPeA



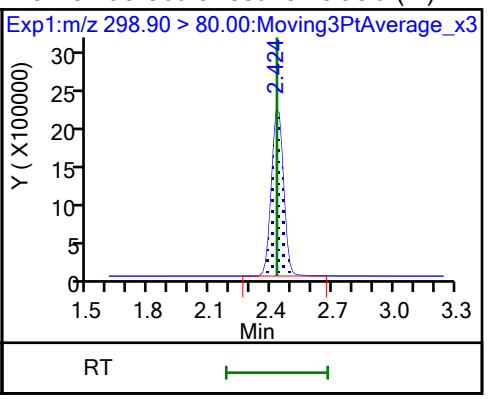
4 Perfluoropentanoic acid



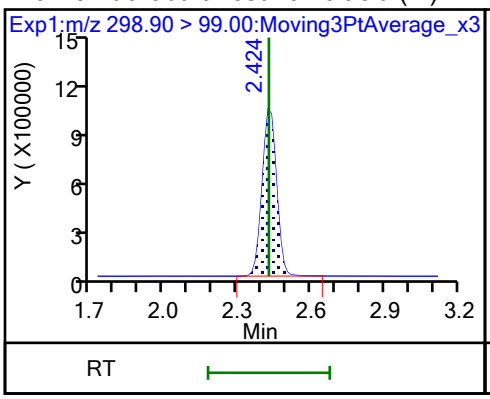
D 47 13C3 PFBS



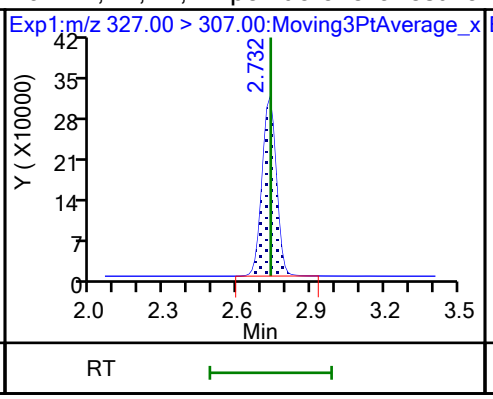
5 Perfluorobutanesulfonic acid (M)



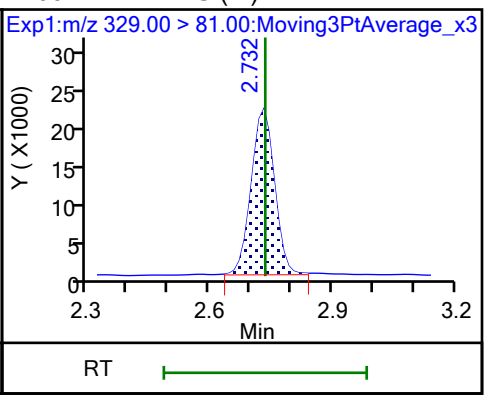
5 Perfluorobutanesulfonic acid (M)



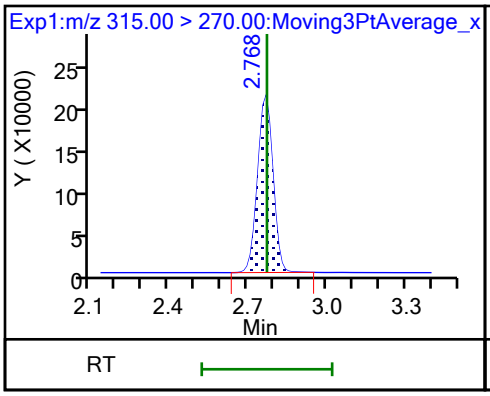
61 1H,1H,2H,2H-perfluorohexanesulfo



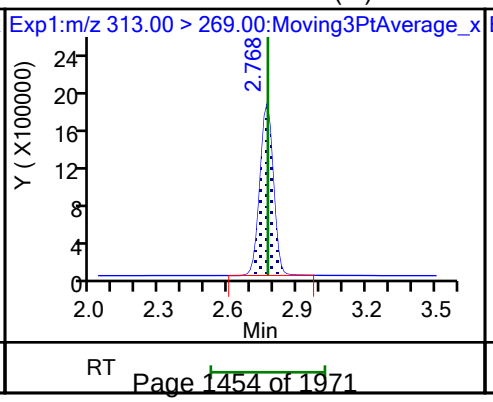
D 60 M2-4:2 FTS (M)



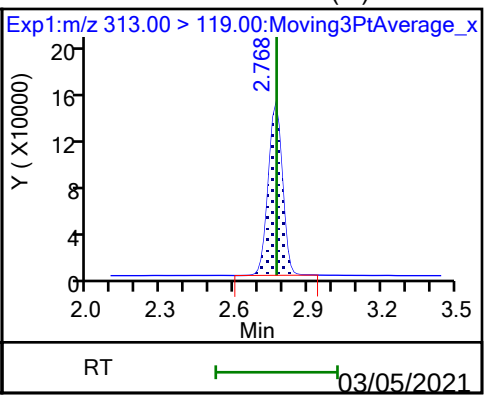
D 7 13C2 PFHxA



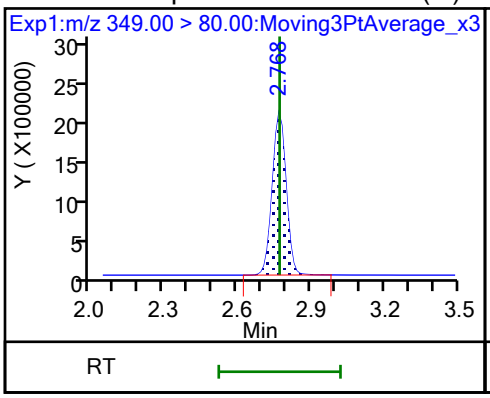
6 Perfluorohexanoic acid (M)



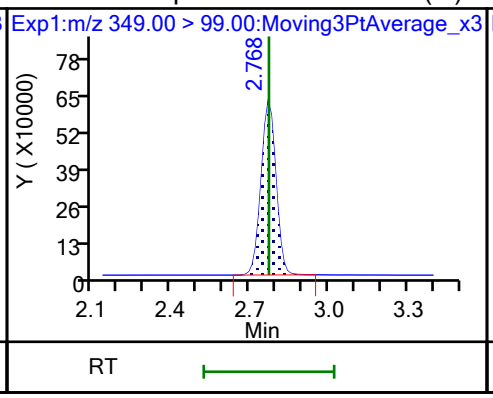
6 Perfluorohexanoic acid (M)



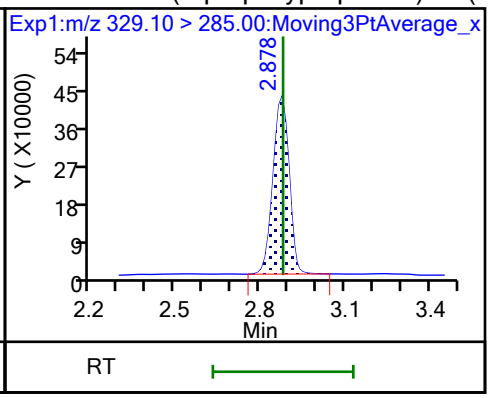
70 Perfluoropentanesulfonic acid (M)



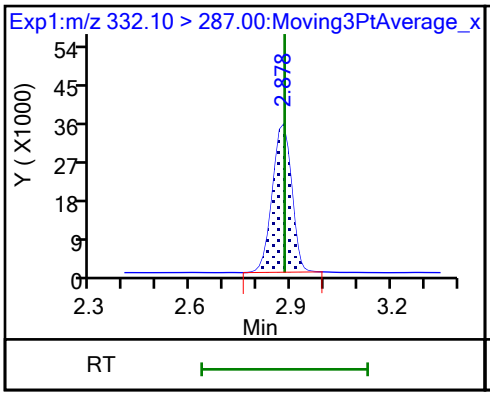
70 Perfluoropentanesulfonic acid (M)



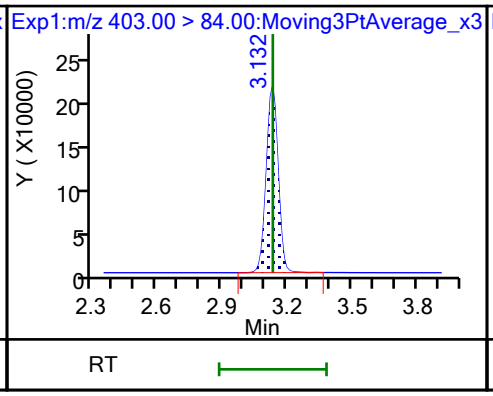
67 Perfluoro(2-propoxypropanoic) ac (M)



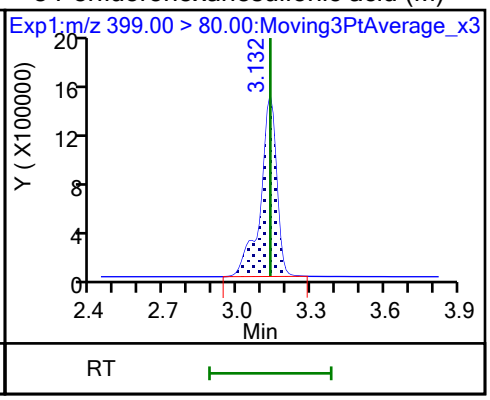
D 64 13C3 HFPO-DA



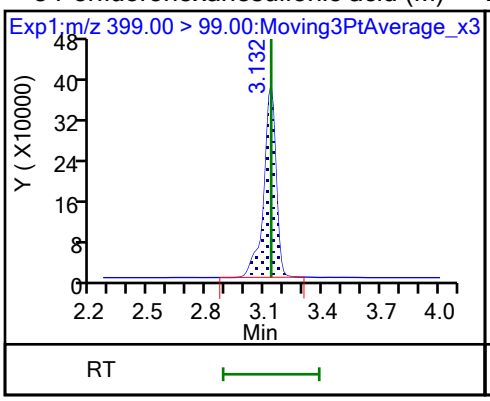
D 11 18O2 PFHxS



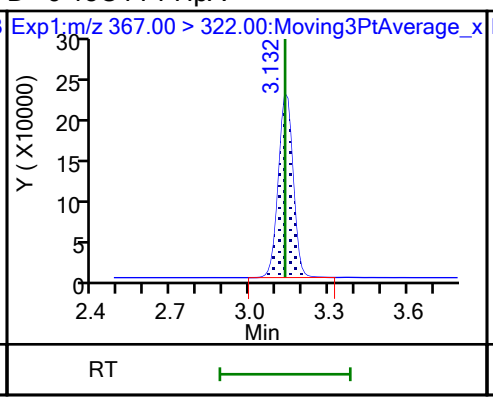
8 Perfluorohexanesulfonic acid (M)



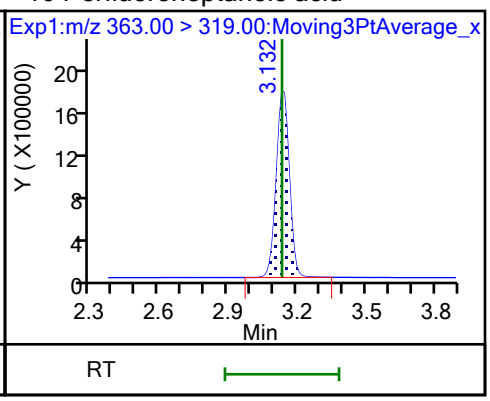
8 Perfluorohexanesulfonic acid (M)



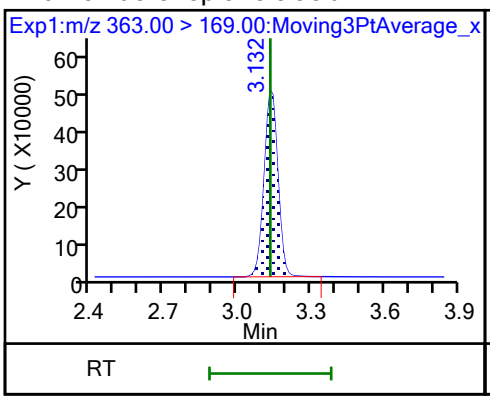
D 9 13C4 PFHpA



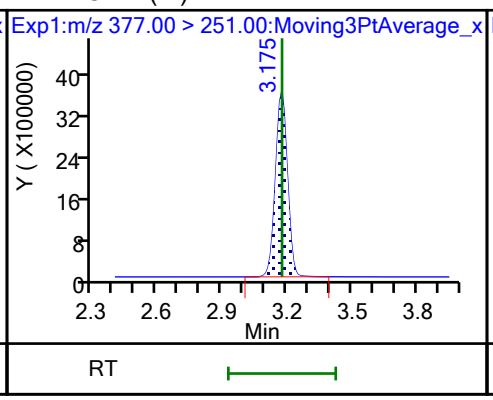
10 Perfluoroheptanoic acid



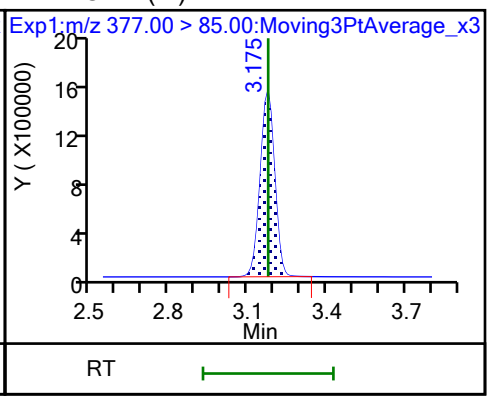
10 Perfluoroheptanoic acid



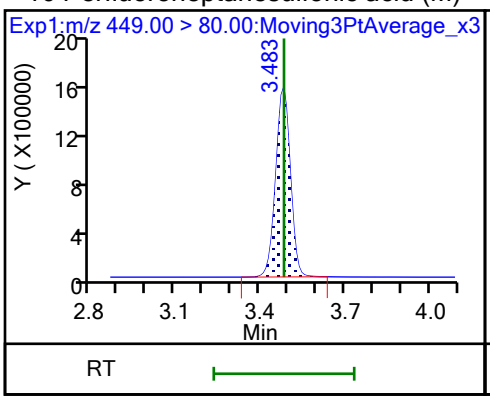
77 DONA (M)



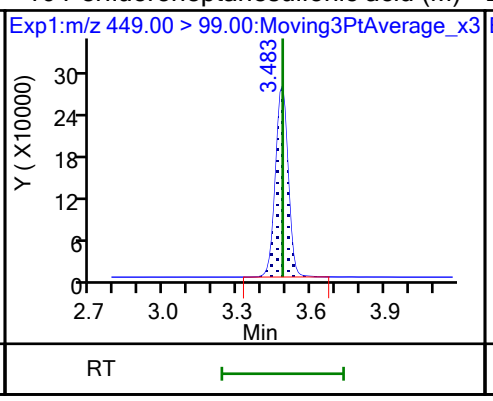
77 DONA (M)



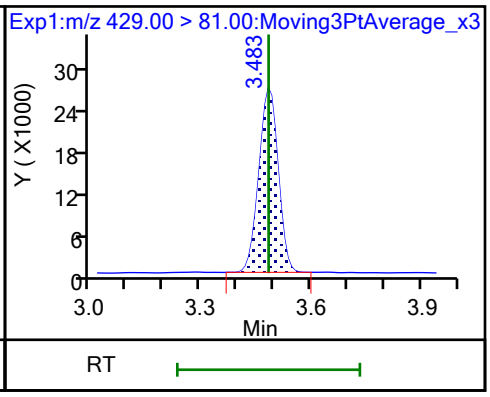
16 Perfluoroheptanesulfonic acid (M)



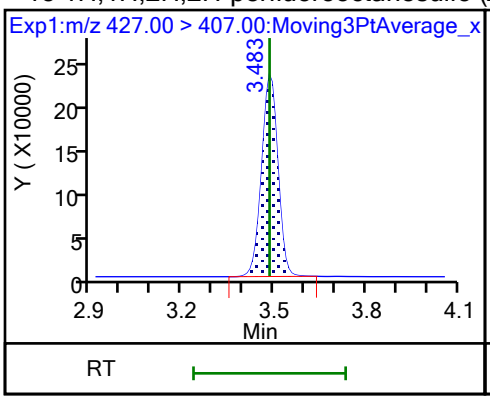
16 Perfluoroheptanesulfonic acid (M)



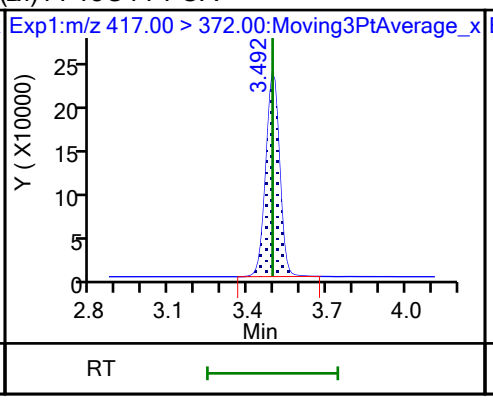
D 12 M2-6:2 FTS



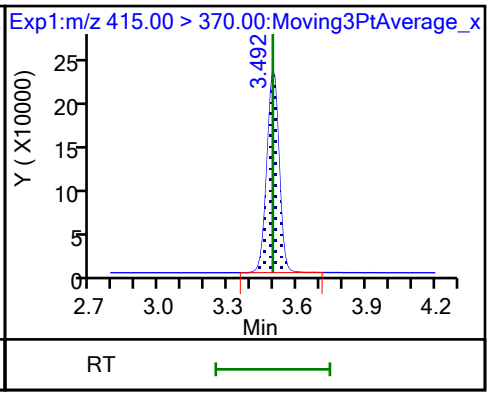
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



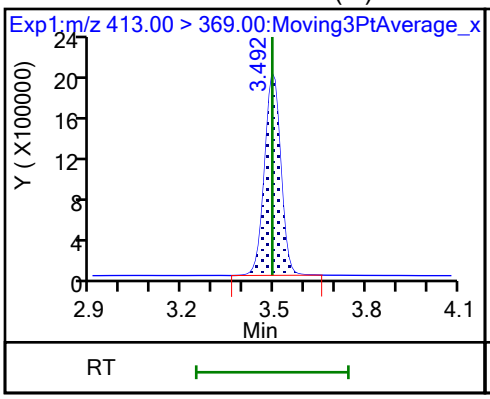
D 14 13C4 PFOA



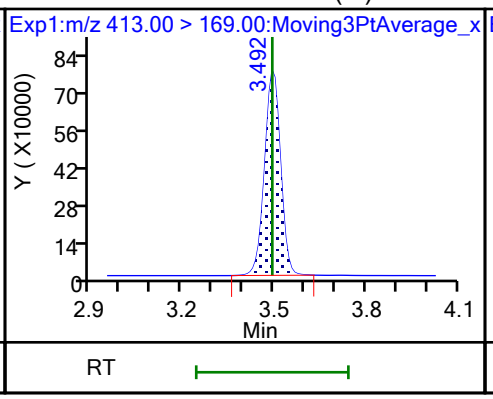
* 62 13C2 PFOA



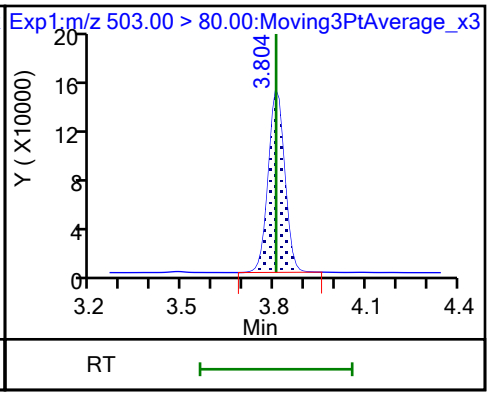
15 Perfluorooctanoic acid (M)



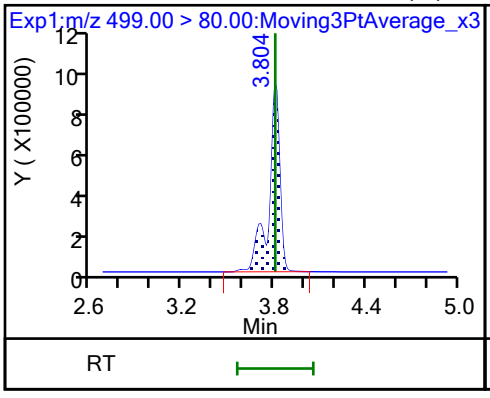
15 Perfluorooctanoic acid (M)



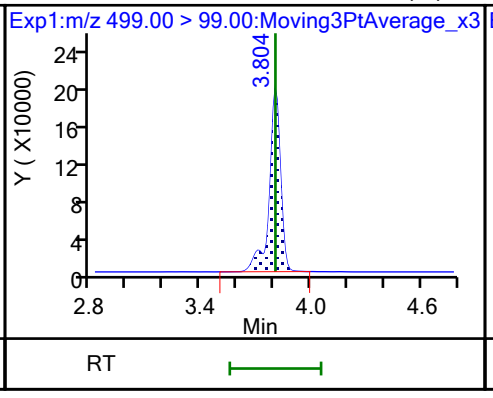
D 18 13C4 PFOS



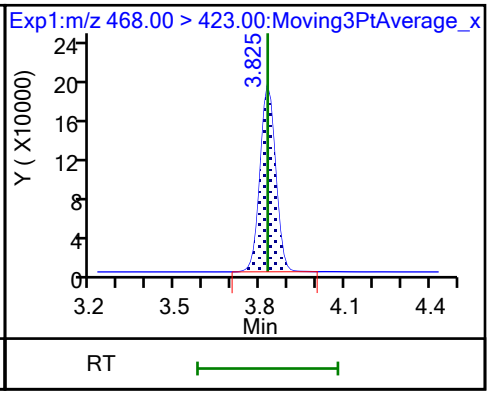
17 Perfluorooctanesulfonic acid (M)



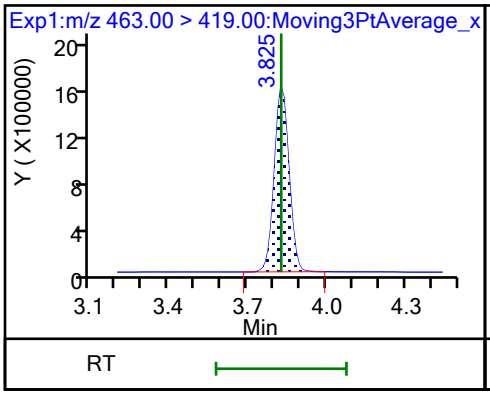
17 Perfluorooctanesulfonic acid (M)



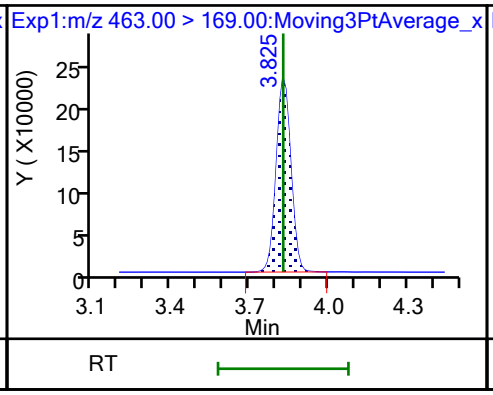
D 19 13C5 PFNA



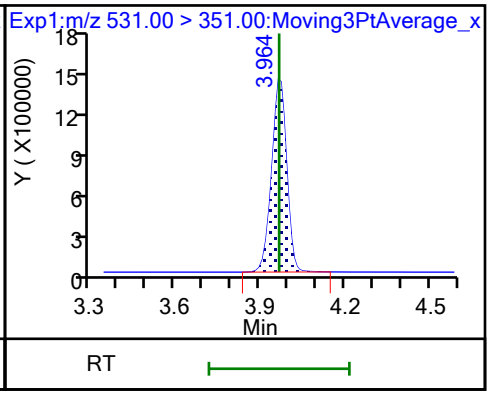
20 Perfluorononanoic acid



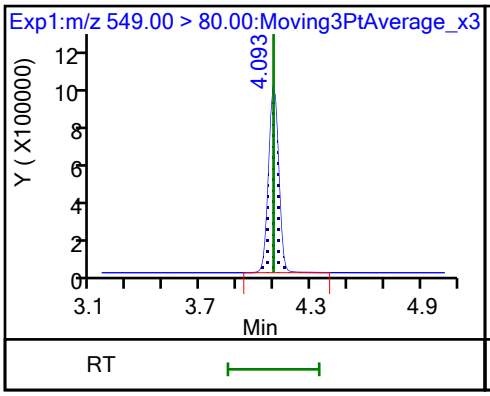
20 Perfluorononanoic acid



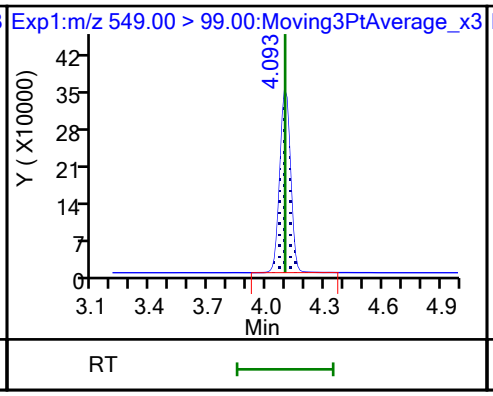
69 9-Chlorohexadecafluoro-3-oxanona (M)



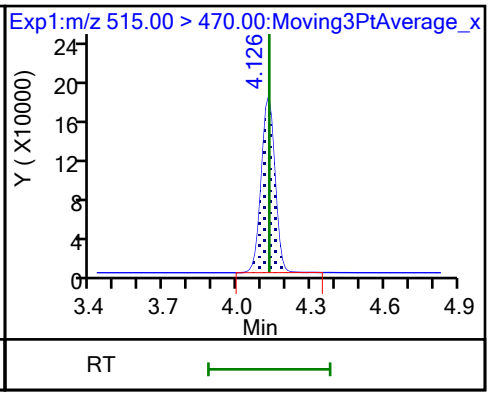
68 Perfluorononanesulfonic acid



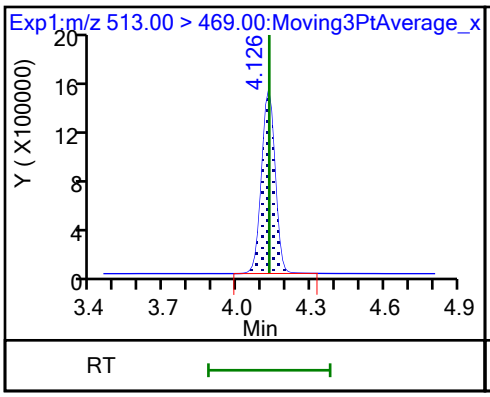
68 Perfluorononanesulfonic acid



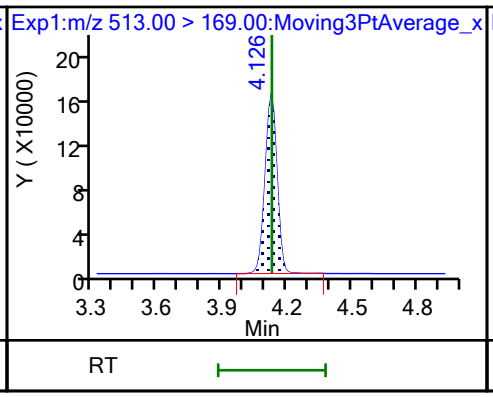
D 23 13C2 PFDA



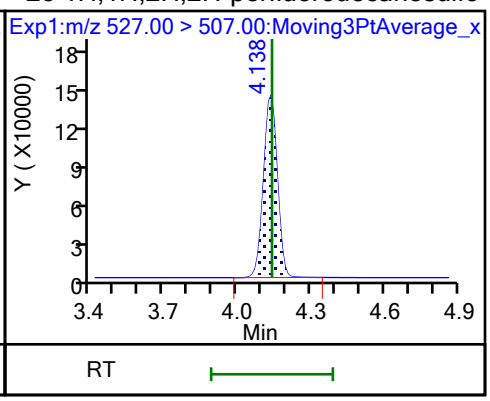
24 Perfluorodecanoic acid



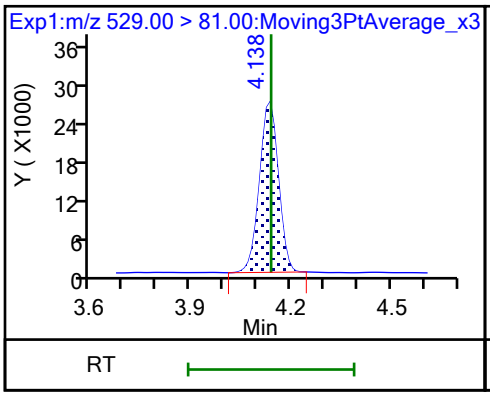
24 Perfluorodecanoic acid



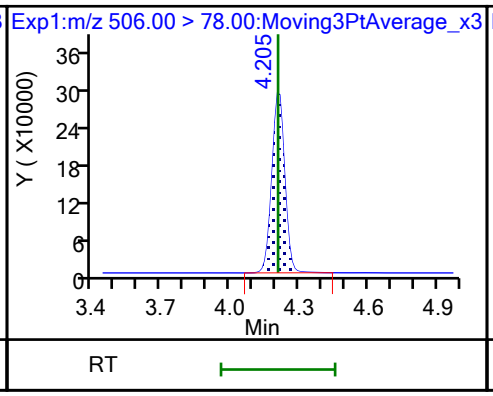
25 1H,1H,2H,2H-perfluorodecanesulfo



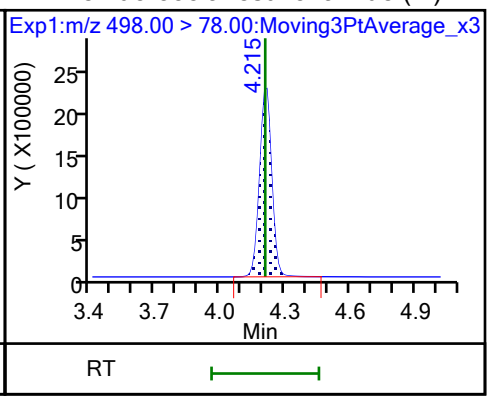
D 26 M2-8:2 FTS



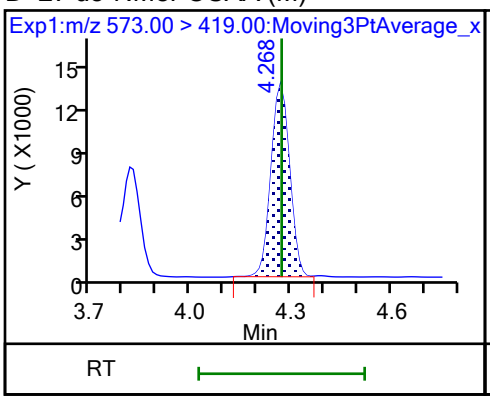
D 21 13C8 FOSA



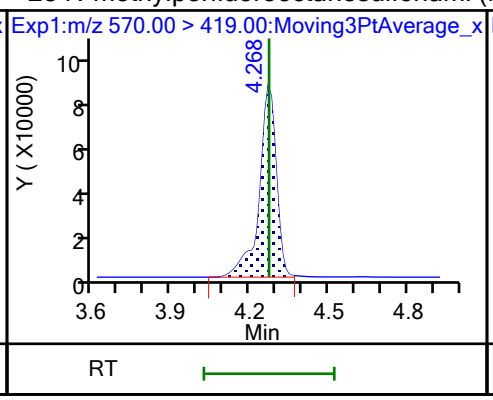
22 Perfluorooctanesulfonamide (M)



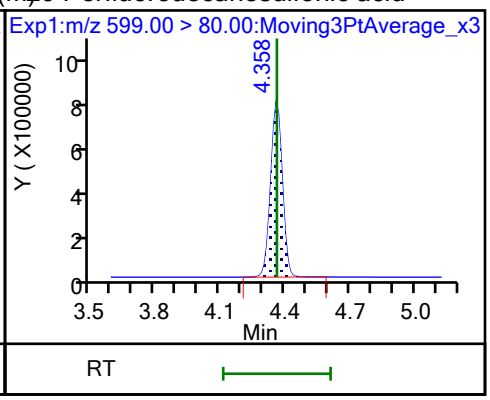
D 27 d3-NMeFOSAA (M)



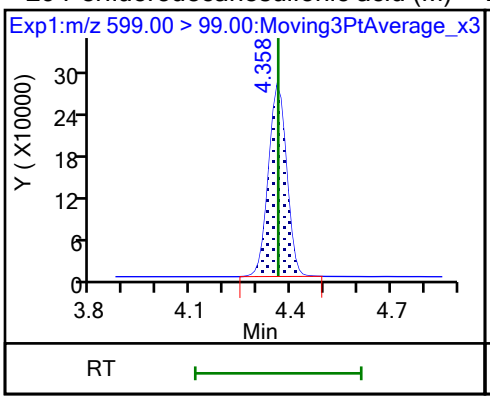
28 N-methylperfluorooctanesulfonami (M)



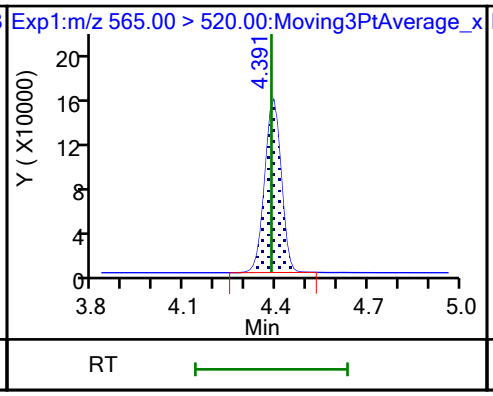
29 Perfluorodecanesulfonic acid



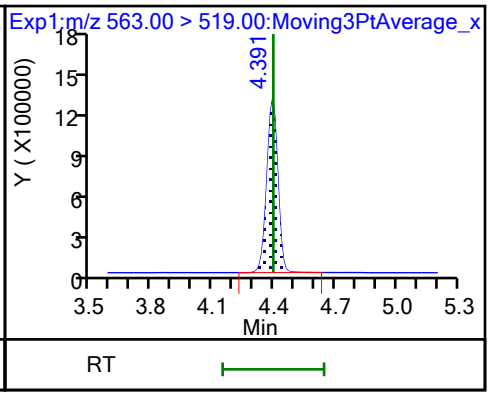
29 Perfluorodecanesulfonic acid (M)



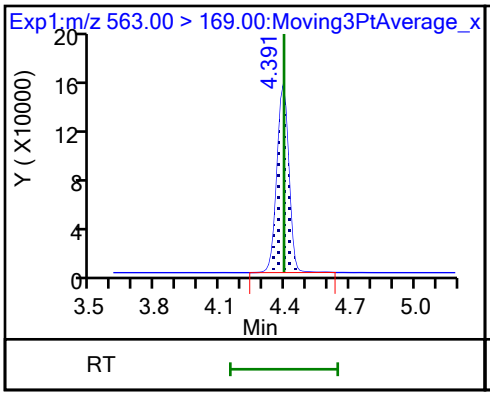
D 30 13C2 PFUnA



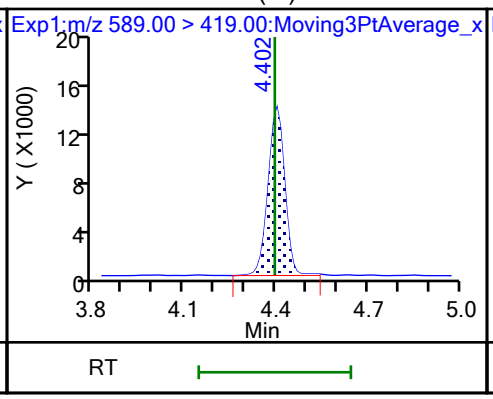
31 Perfluoroundecanoic acid



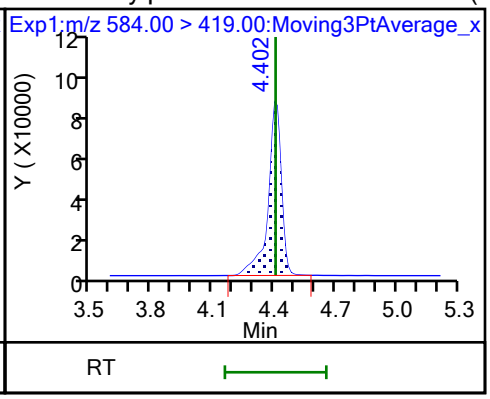
31 Perfluoroundecanoic acid



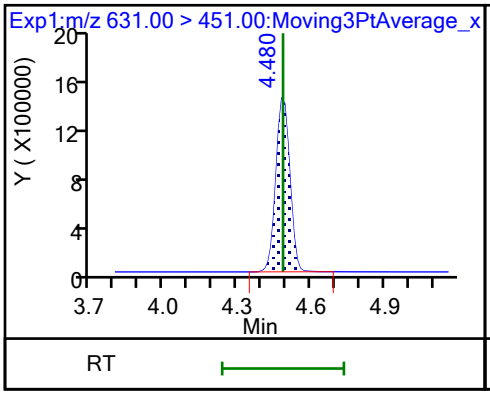
D 32 d5-NEtFOSAA (M)



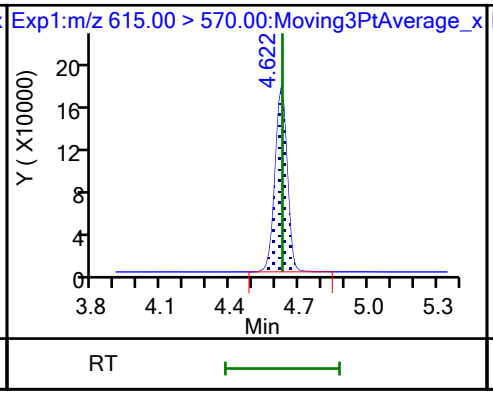
33 N-ethylperfluorooctanesulfonamid (M)



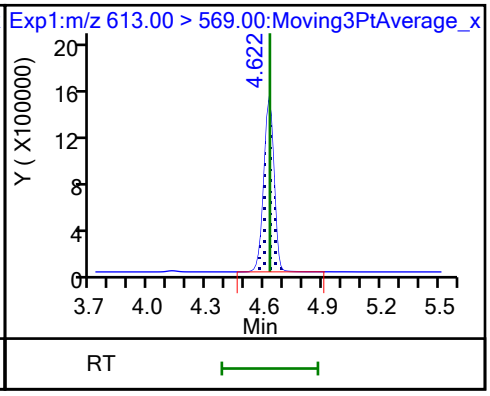
66 11-Chloroeicosafluoro-3-oxaundec



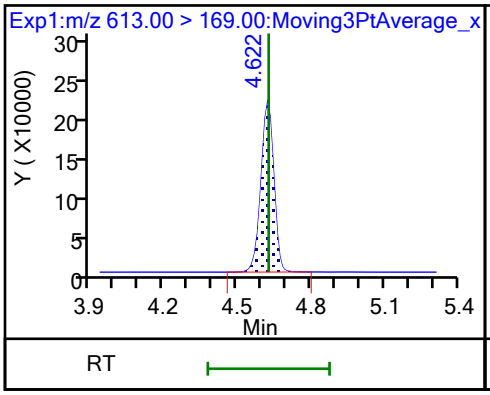
D 36 13C2 PFDoA



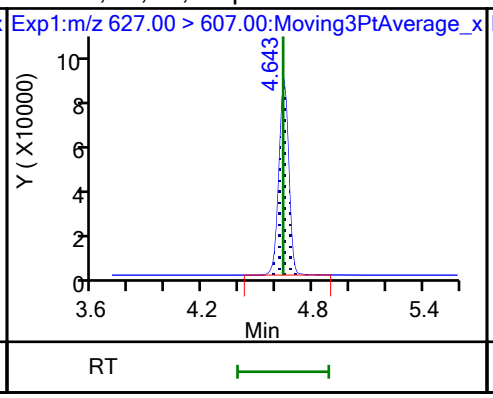
37 Perfluorododecanoic acid



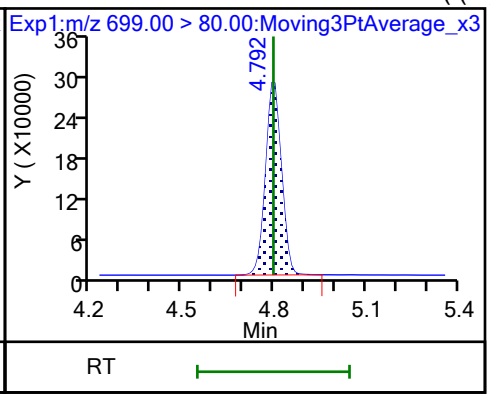
37 Perfluorododecanoic acid



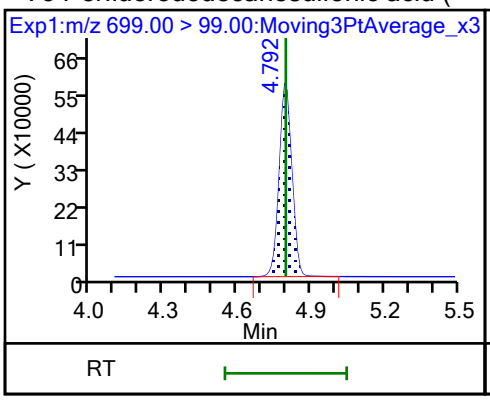
74 1H,1H,2H,2H-perfluorododecanesul



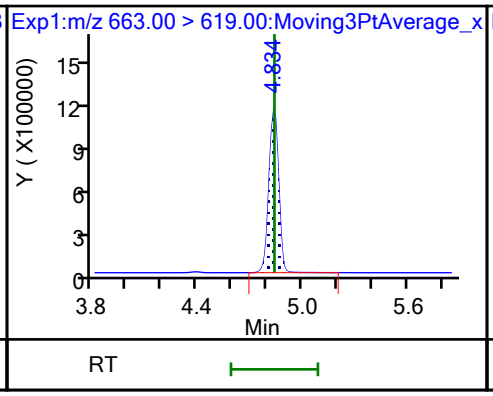
75 Perfluorododecanesulfonic acid ((M)



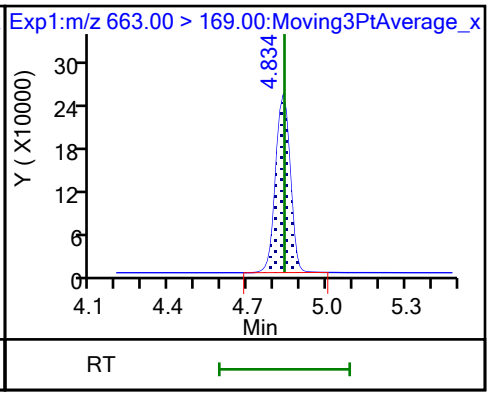
75 Perfluorododecanesulfonic acid (



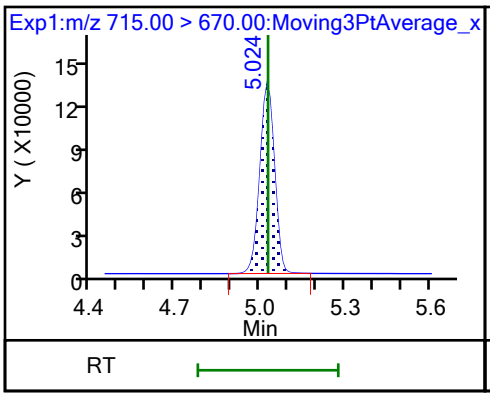
41 Perfluorotridecanoic acid



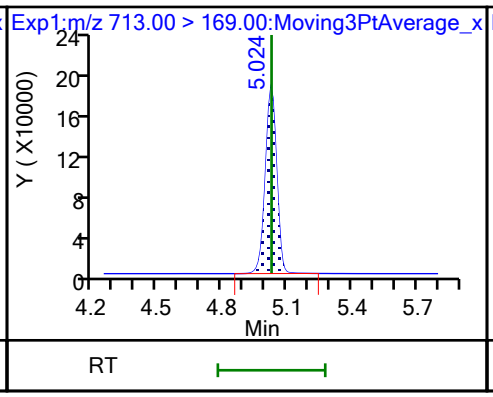
41 Perfluorotridecanoic acid



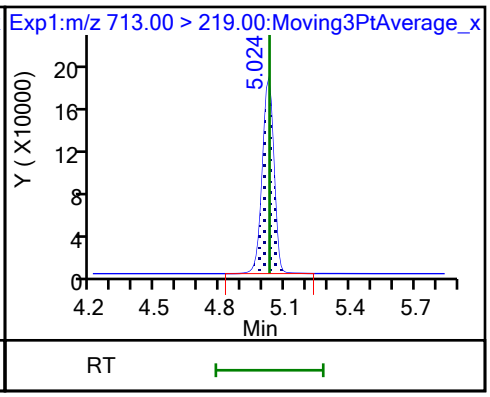
D 43 13C2 PFTeDA



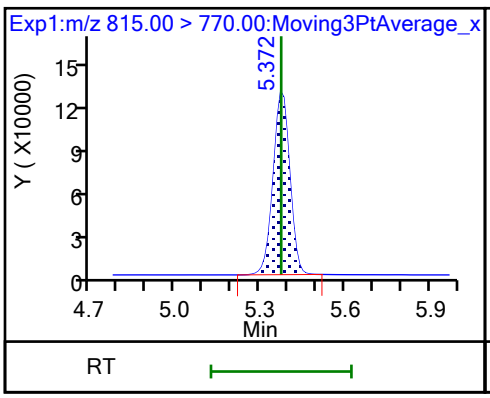
42 Perfluorotetradecanoic acid



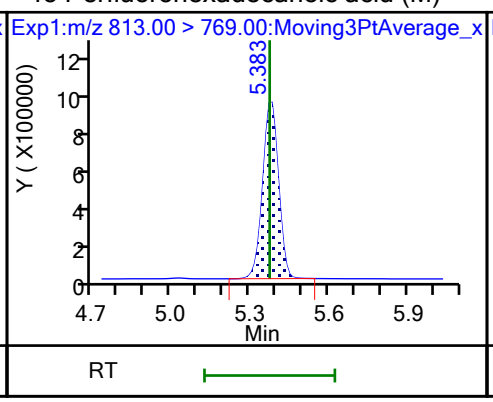
42 Perfluorotetradecanoic acid



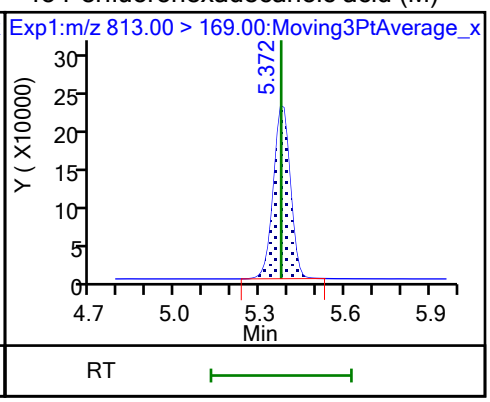
D 44 13C2 PFHxDA



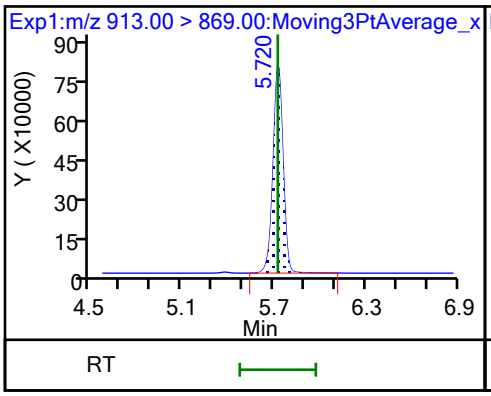
45 Perfluorohexadecanoic acid (M)



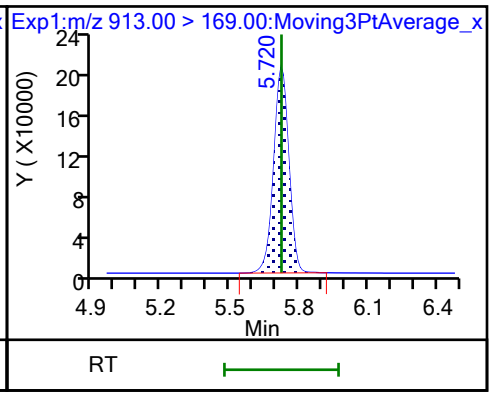
45 Perfluorohexadecanoic acid (M)



46 Perfluorooctadecanoic acid



46 Perfluorooctadecanoic acid



Eurofins TestAmerica, Burlington

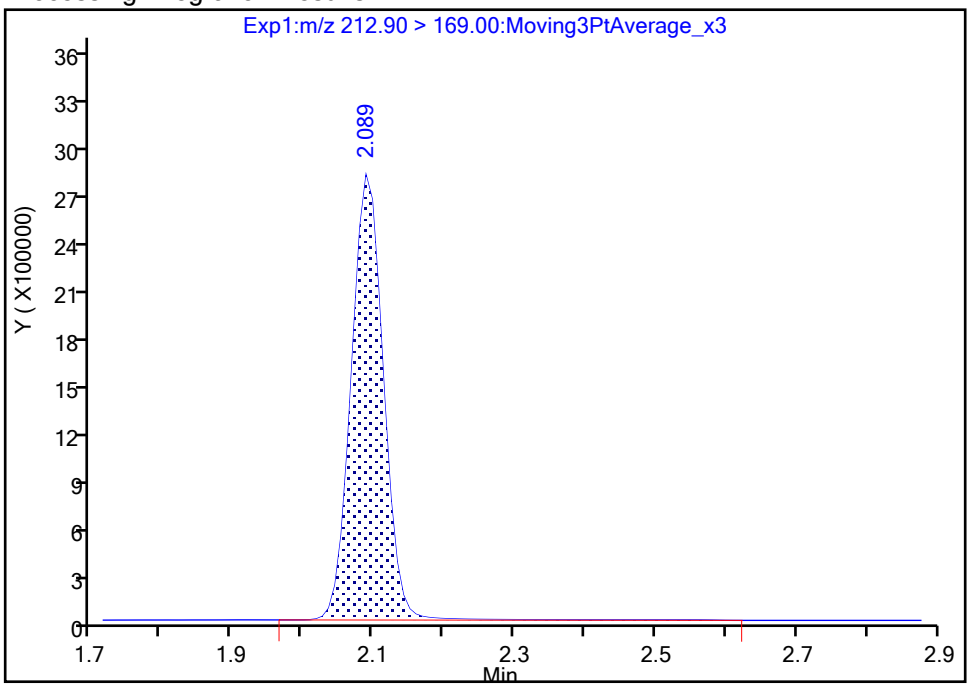
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Injection Date: 22-Dec-2020 13:29:37 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

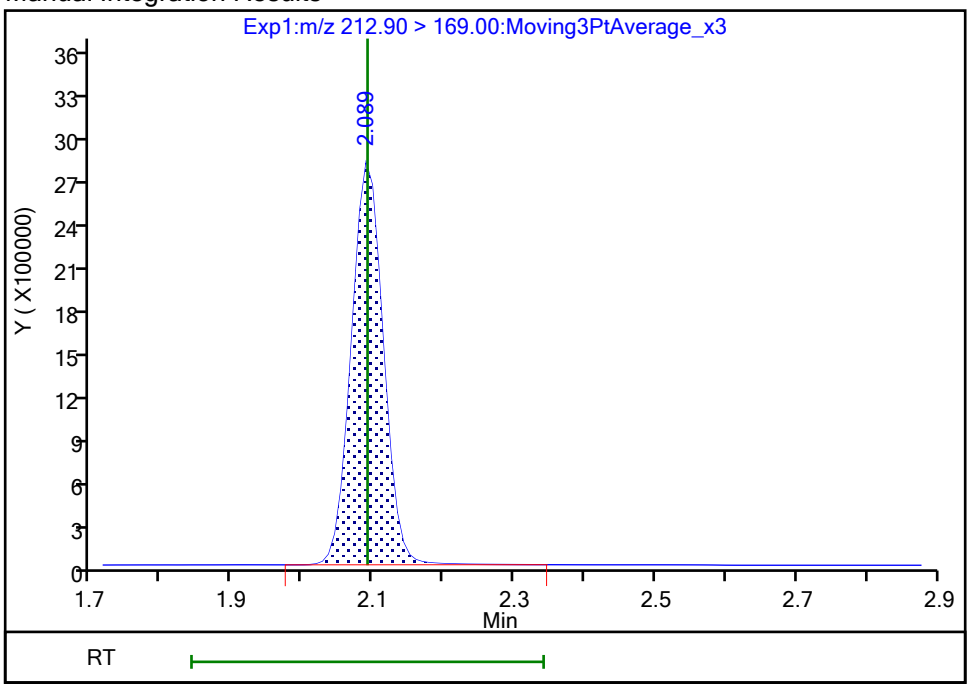
Processing Integration Results

RT: 2.09
Area: 8854729
Amount: 10.021258
Amount Units: ng/ml



Manual Integration Results

RT: 2.09
Area: 8790651
Amount: 9.193132
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 14:00:25
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

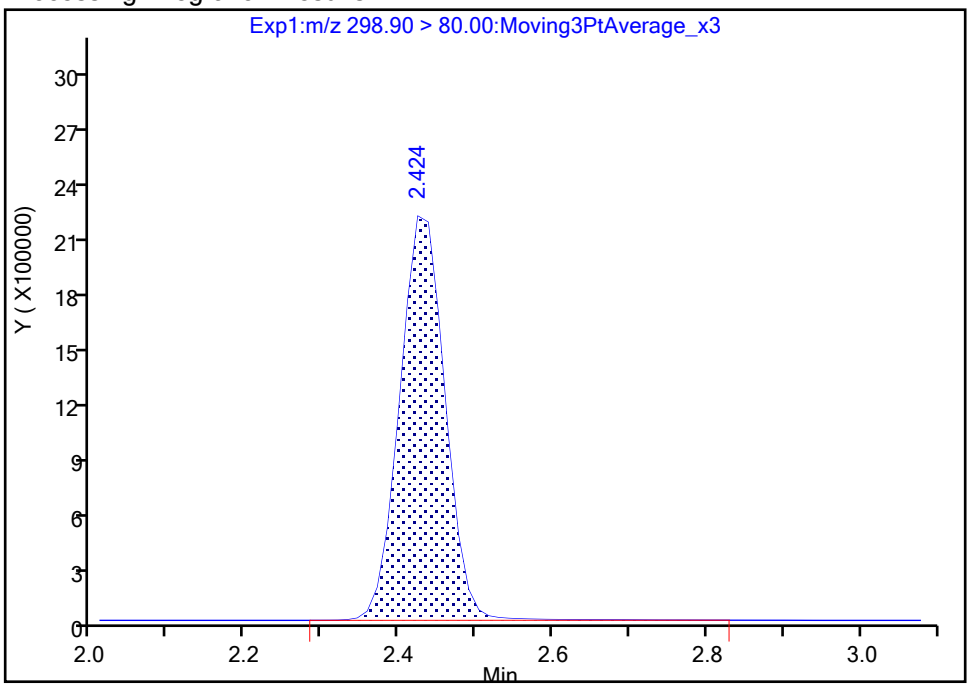
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Injection Date:	22-Dec-2020 13:29:37	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

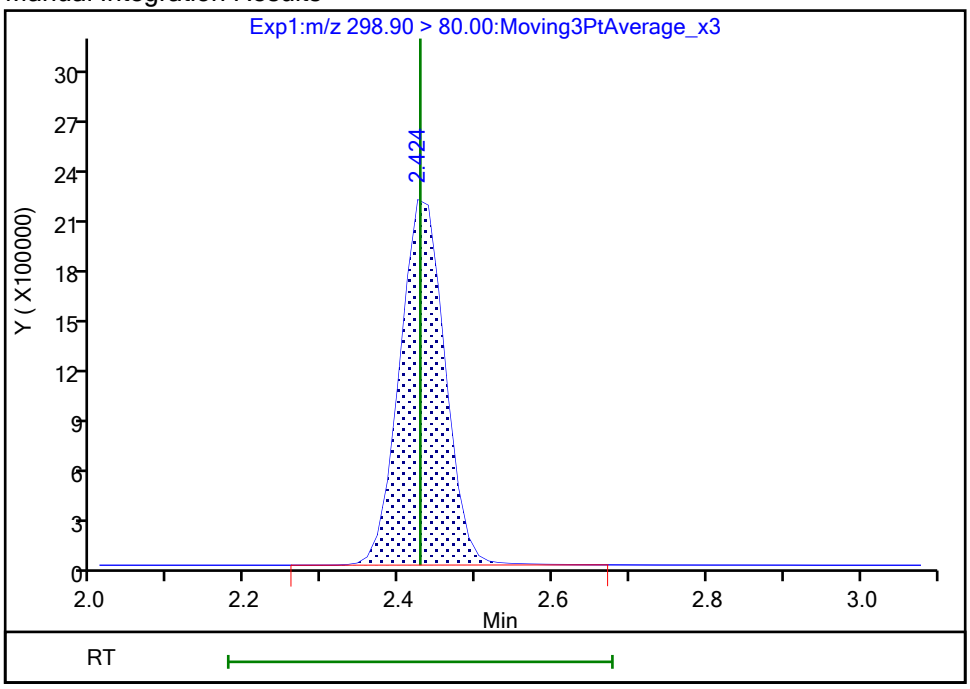
Processing Integration Results

RT: 2.42
Area: 8798028
Amount: 8.864743
Amount Units: ng/ml



Manual Integration Results

RT: 2.42
Area: 8770776
Amount: 8.446965
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 14:00:35
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

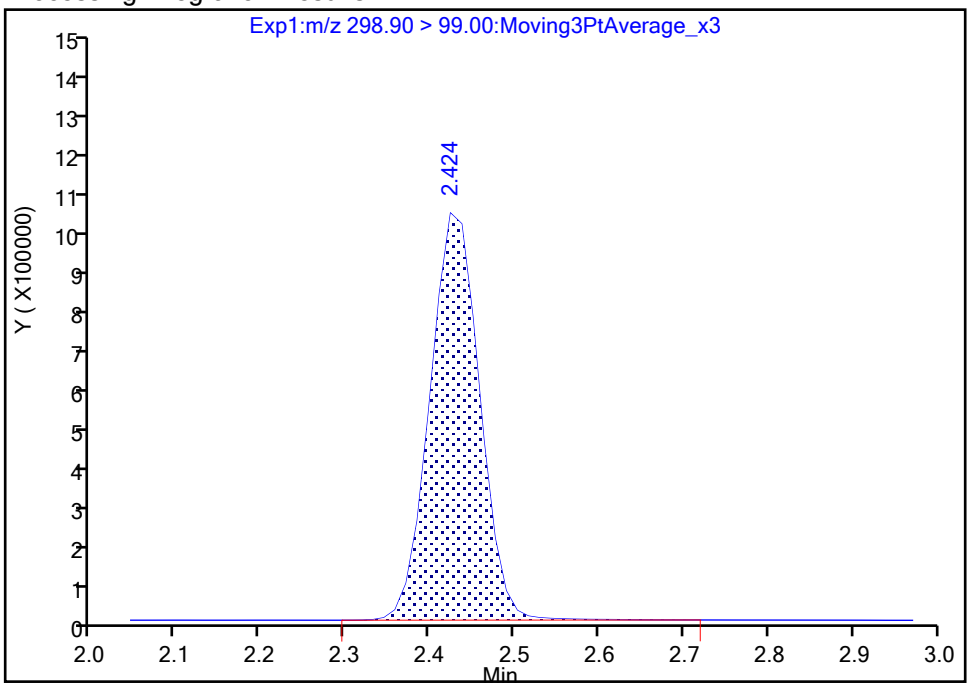
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d				
Injection Date:	22-Dec-2020 13:29:37	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

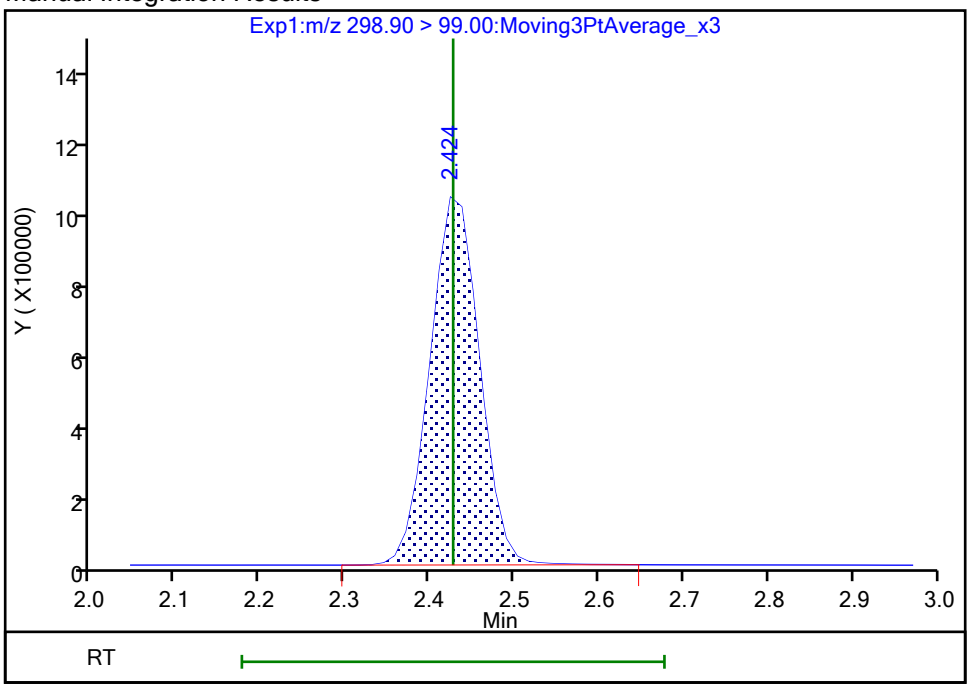
Processing Integration Results

RT: 2.42
Area: 3988912
Amount: 8.864743
Amount Units: ng/ml



Manual Integration Results

RT: 2.42
Area: 3982557
Amount: 8.446965
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 14:00:40

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

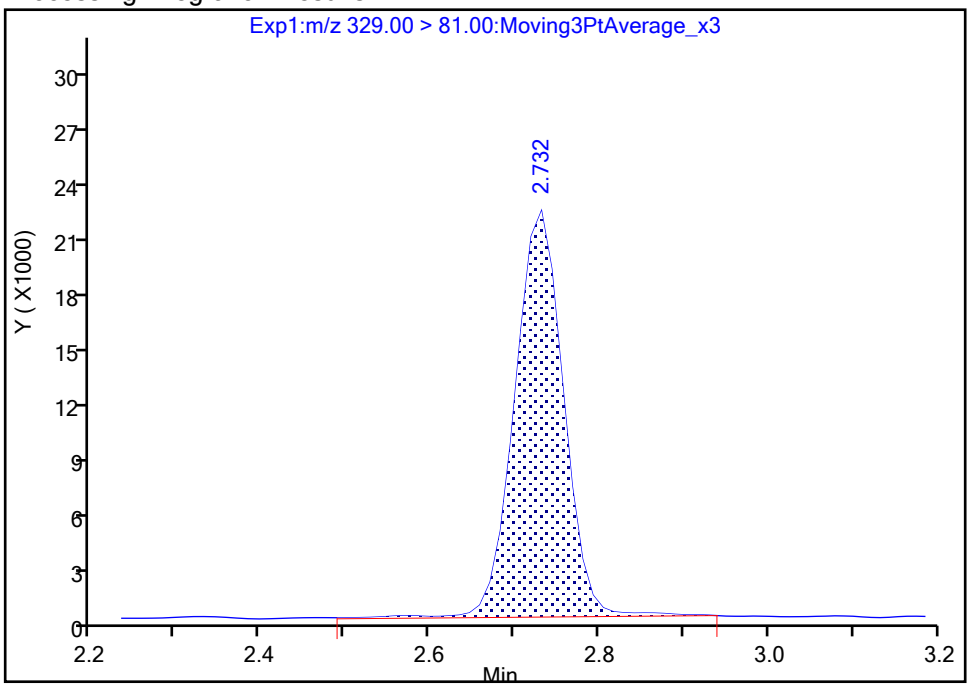
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d				
Injection Date:	22-Dec-2020 13:29:37	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 60 M2-4:2 FTS, CAS: STL02395

Signal: 1

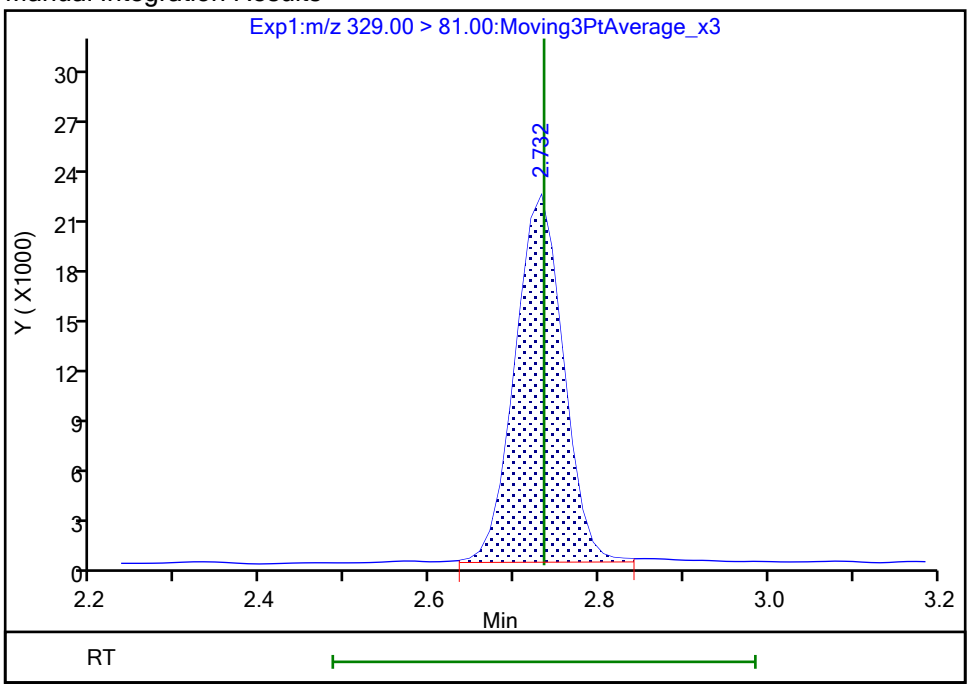
Processing Integration Results

RT: 2.73
Area: 89402
Amount: 1.224941
Amount Units: ng/ml



Manual Integration Results

RT: 2.73
Area: 88021
Amount: 1.212116
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 14:01:07
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

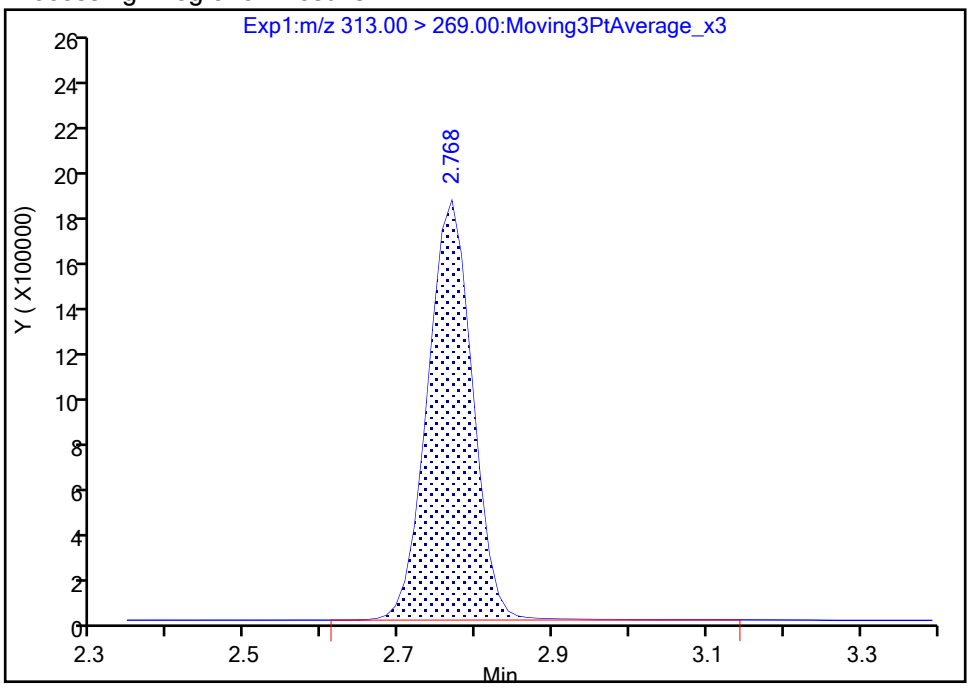
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d				
Injection Date:	22-Dec-2020 13:29:37	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

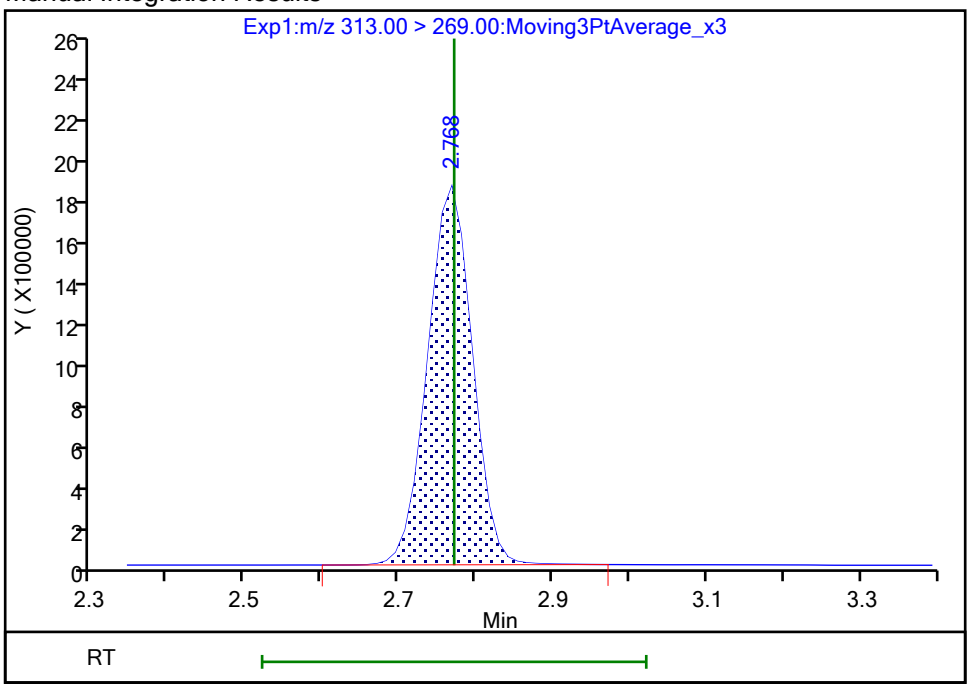
Processing Integration Results

RT: 2.77
Area: 7340146
Amount: 10.071365
Amount Units: ng/ml



Manual Integration Results

RT: 2.77
Area: 7316861
Amount: 9.665643
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 14:01:14
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

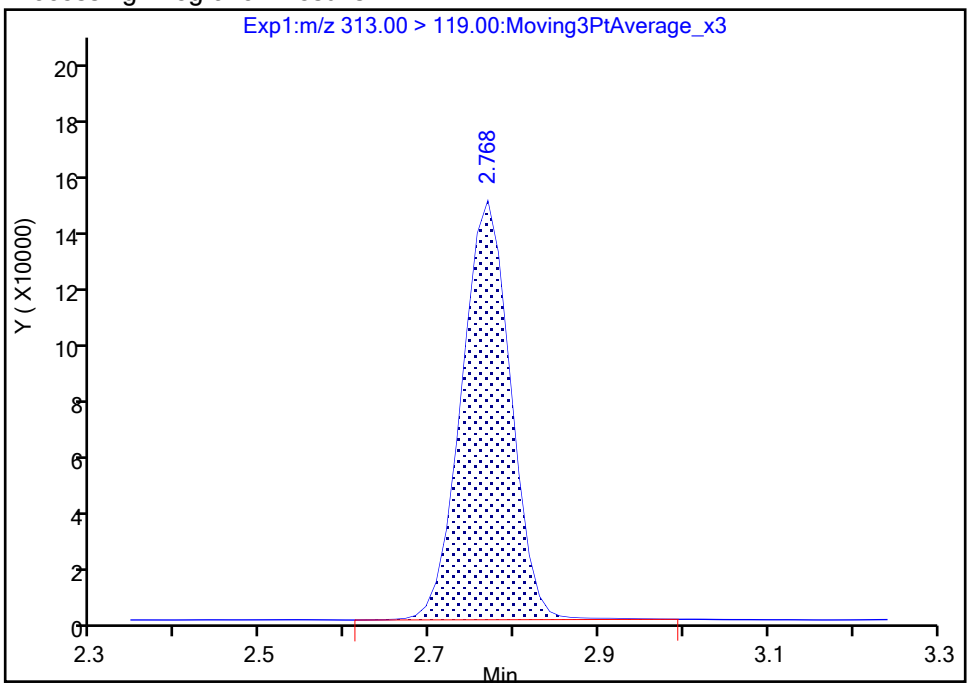
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d				
Injection Date:	22-Dec-2020 13:29:37	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

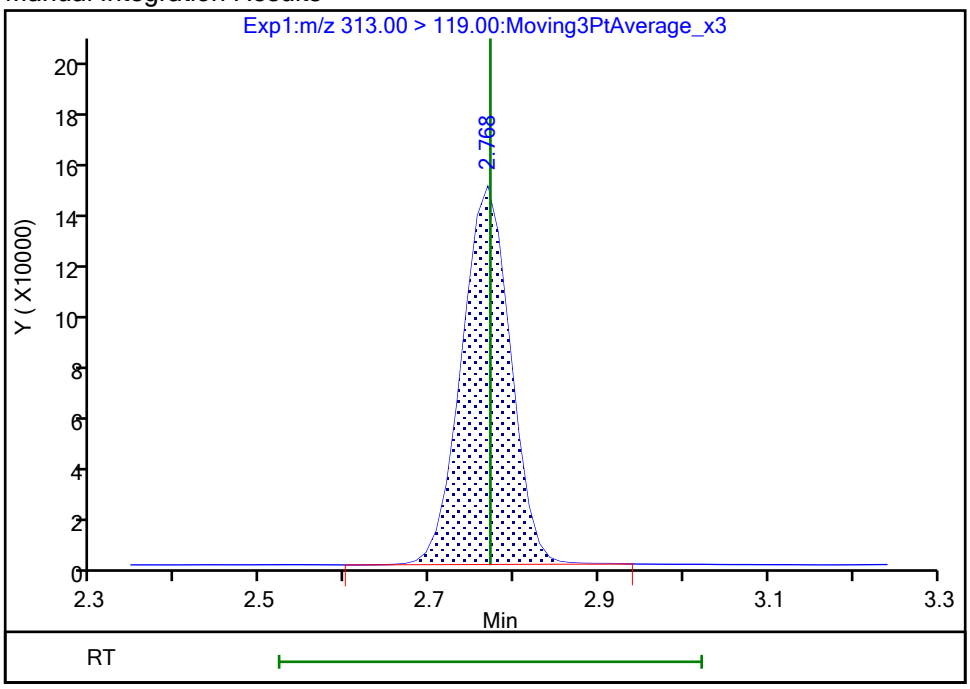
Processing Integration Results

RT: 2.77
Area: 602299
Amount: 10.071365
Amount Units: ng/ml



Manual Integration Results

RT: 2.77
Area: 600272
Amount: 9.665643
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 14:01:19
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

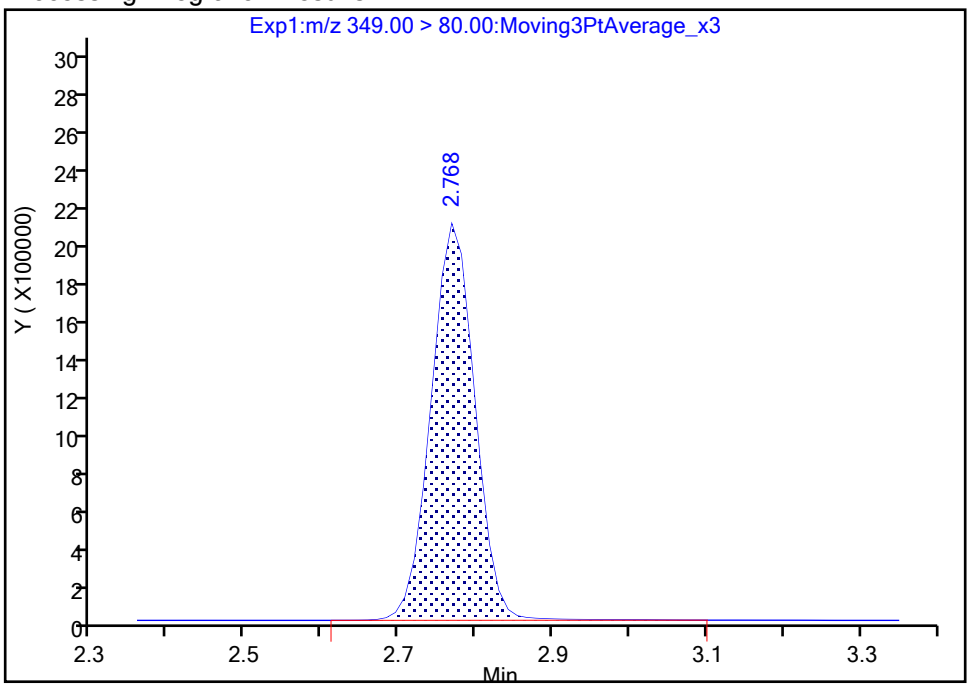
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d				
Injection Date:	22-Dec-2020 13:29:37	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 1

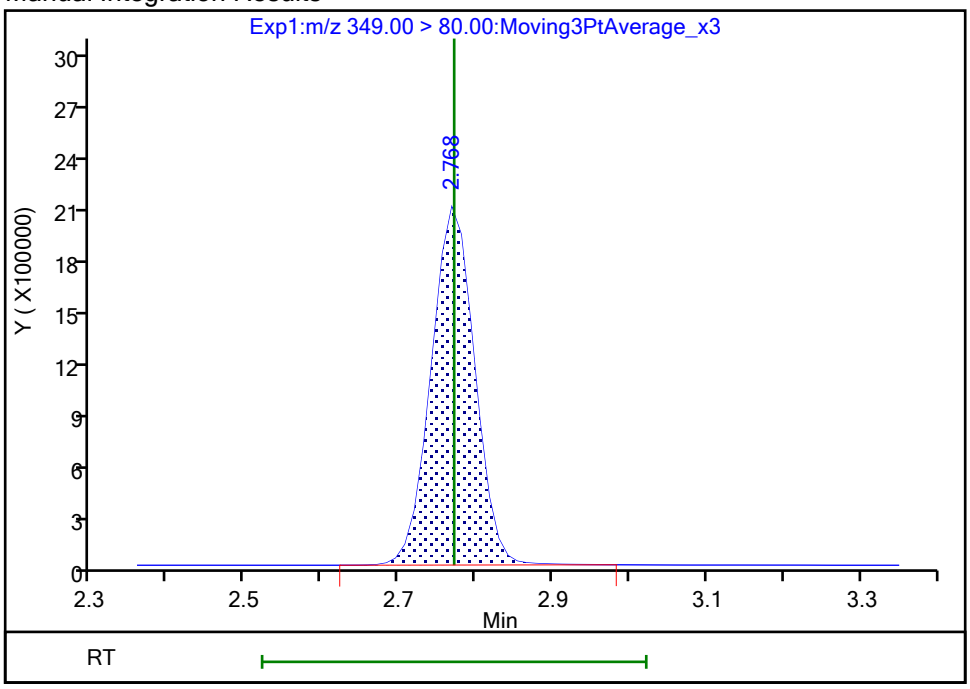
Processing Integration Results

RT: 2.77
Area: 8141354
Amount: 9.412724
Amount Units: ng/ml



Manual Integration Results

RT: 2.77
Area: 8114898
Amount: 9.121450
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 14:01:27
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

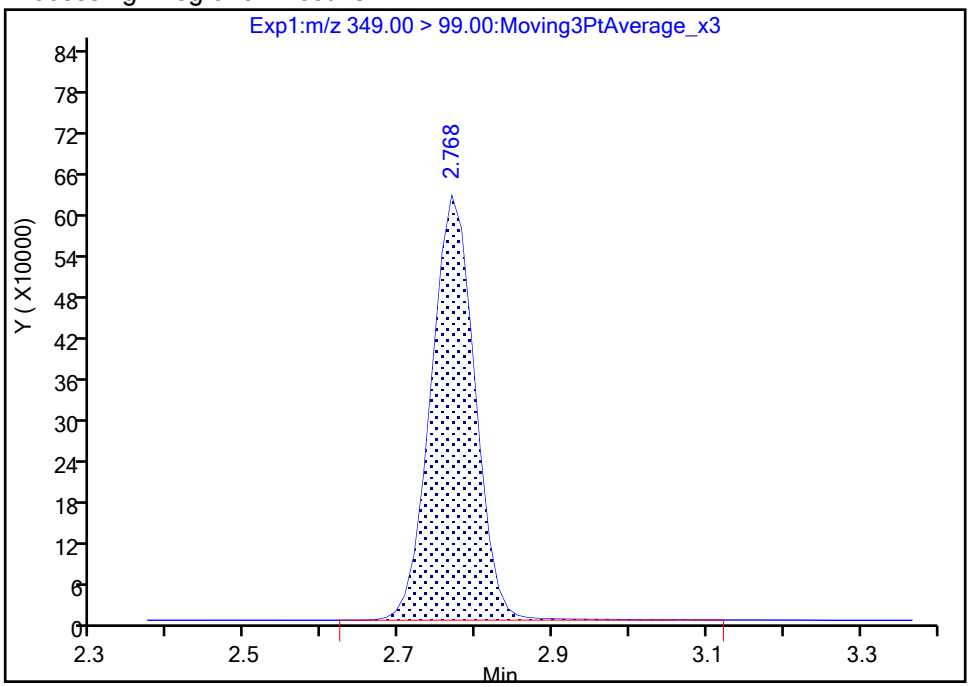
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d				
Injection Date:	22-Dec-2020 13:29:37	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 2

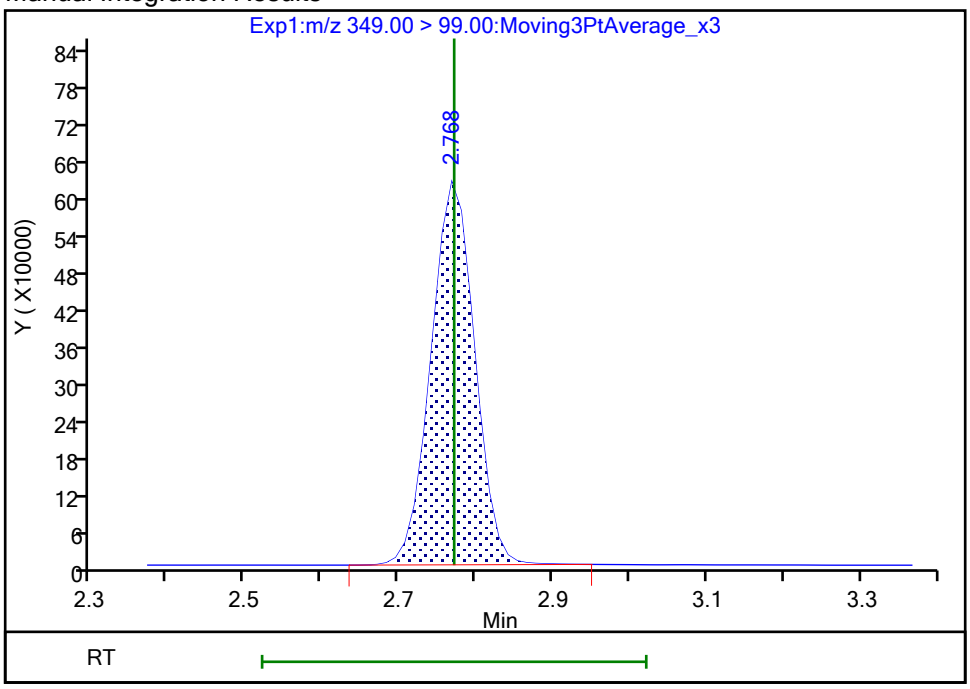
Processing Integration Results

RT: 2.77
Area: 2468153
Amount: 9.412724
Amount Units: ng/ml



Manual Integration Results

RT: 2.77
Area: 2455035
Amount: 9.121450
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 14:01:31

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

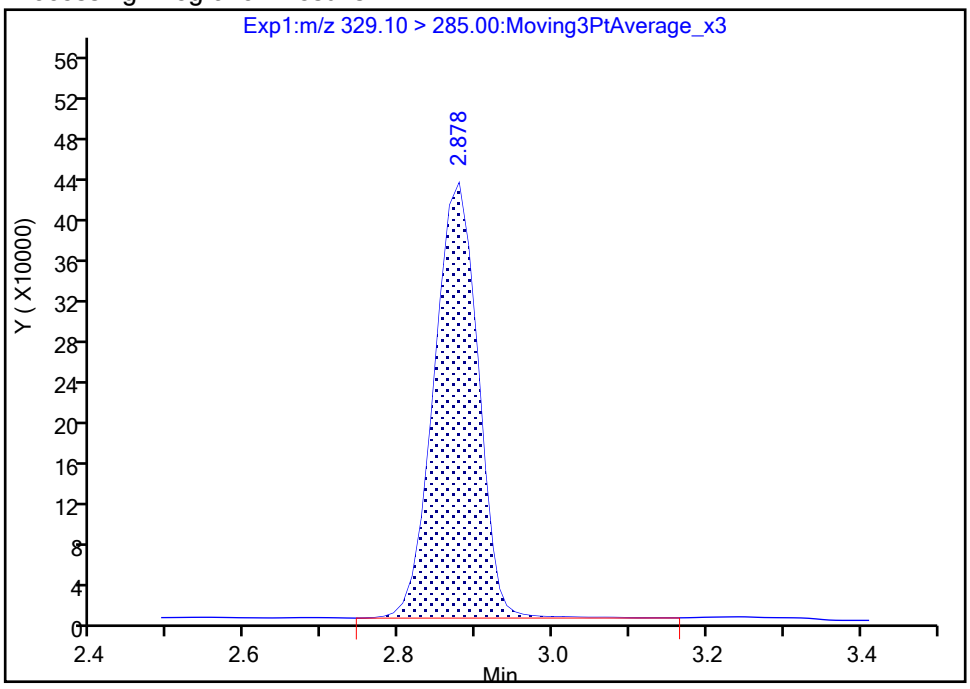
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d				
Injection Date:	22-Dec-2020 13:29:37	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

67 Perfluoro(2-propoxypropanoic) ac, CAS: 13252-13-6

Signal: 1

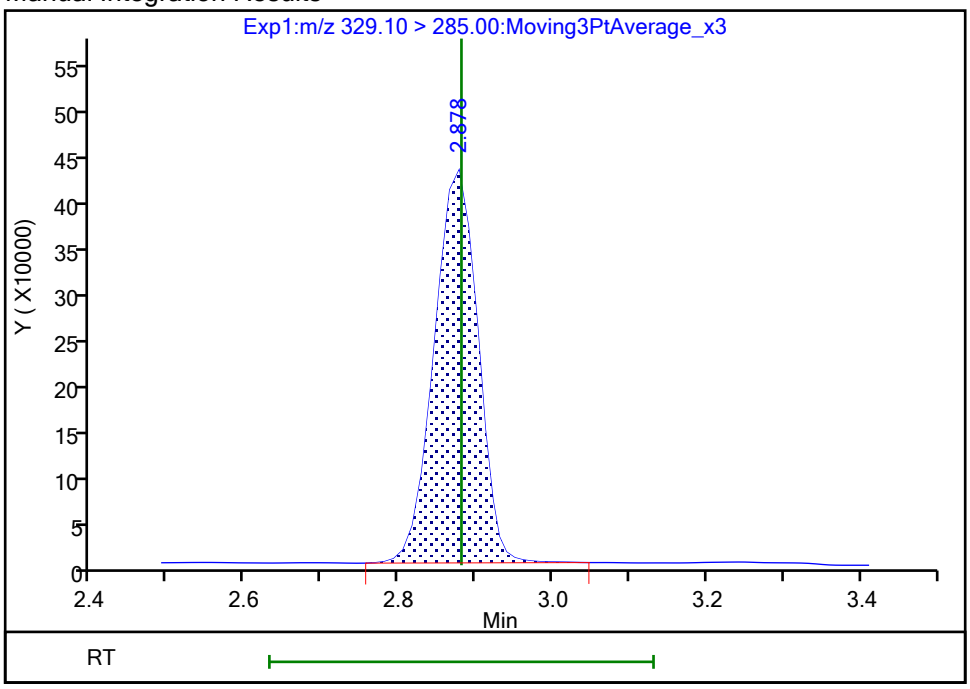
Processing Integration Results

RT: 2.88
Area: 1699465
Amount: 10.481820
Amount Units: ng/ml



Manual Integration Results

RT: 2.88
Area: 1690983
Amount: 10.920927
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 14:01:39
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

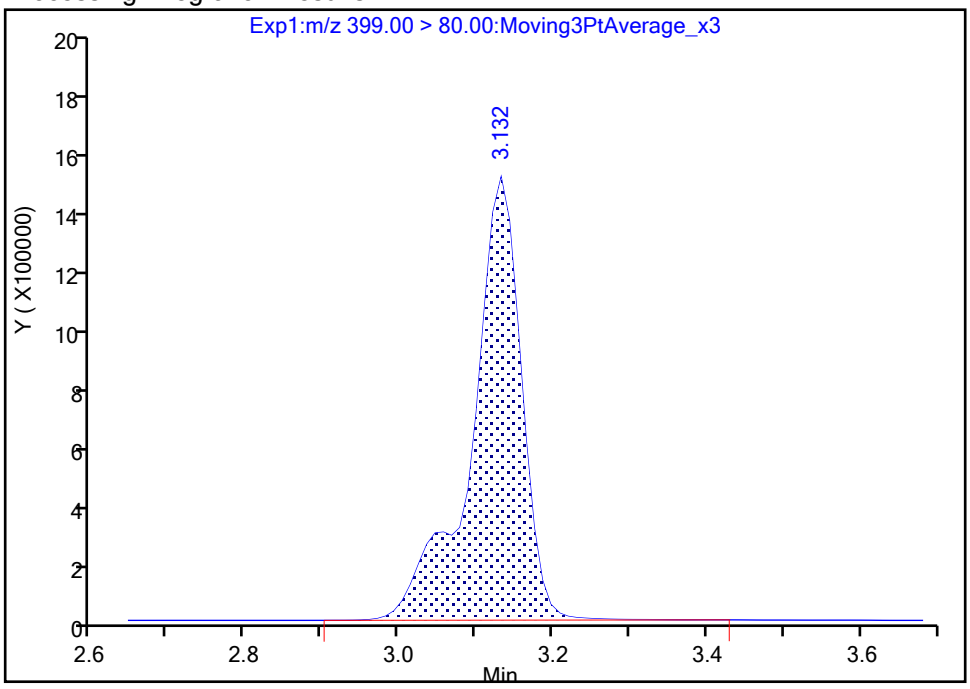
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d				
Injection Date:	22-Dec-2020 13:29:37	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

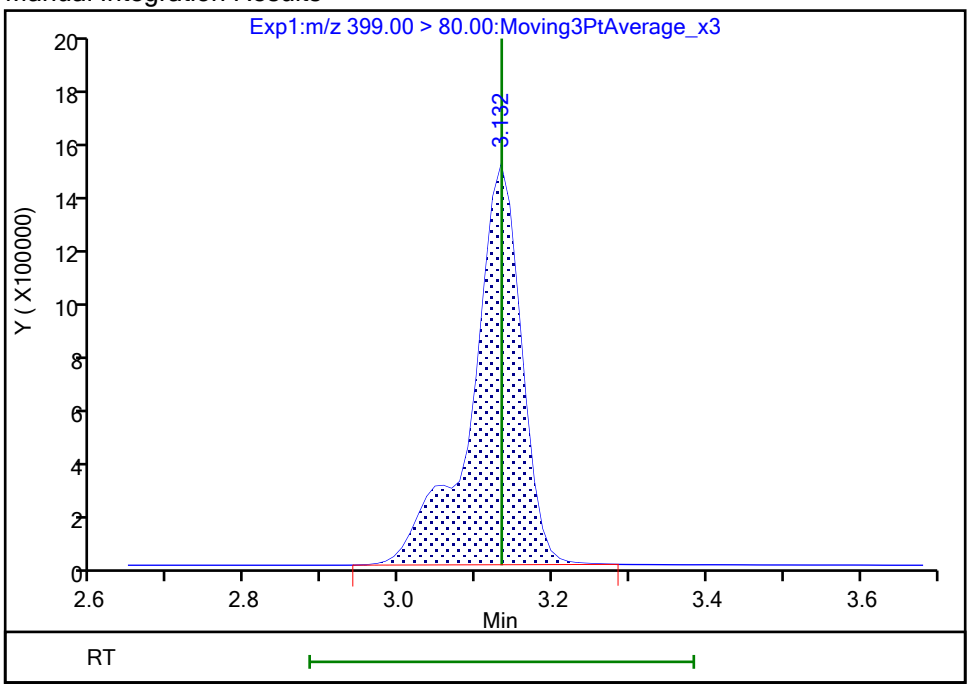
Processing Integration Results

RT: 3.13
Area: 6704374
Amount: 9.072810
Amount Units: ng/ml



Manual Integration Results

RT: 3.13
Area: 6676661
Amount: 8.357156
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 14:01:46
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

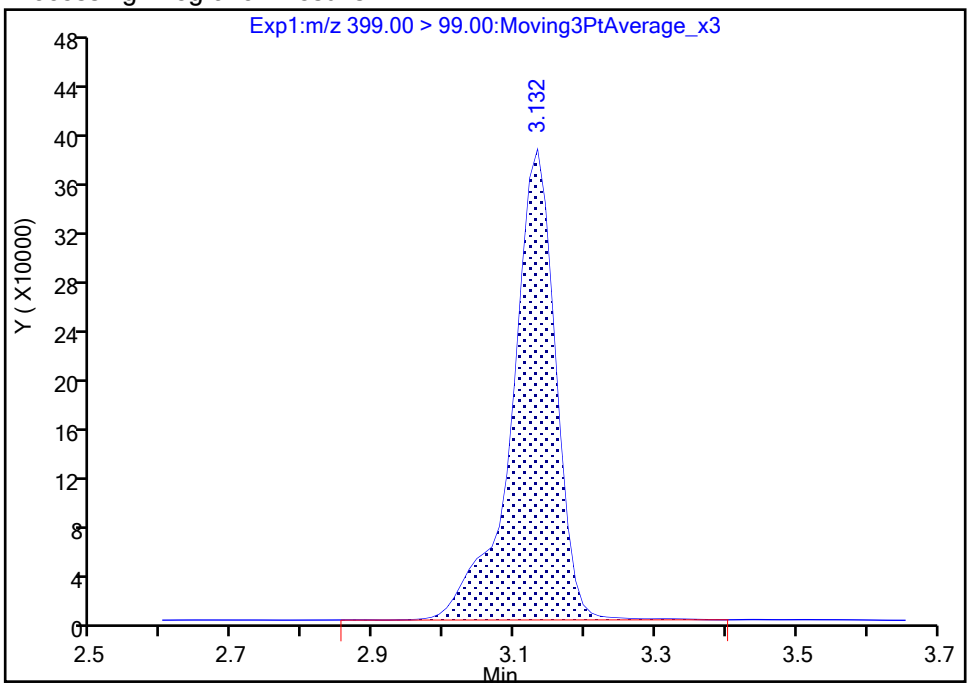
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d				
Injection Date:	22-Dec-2020 13:29:37	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

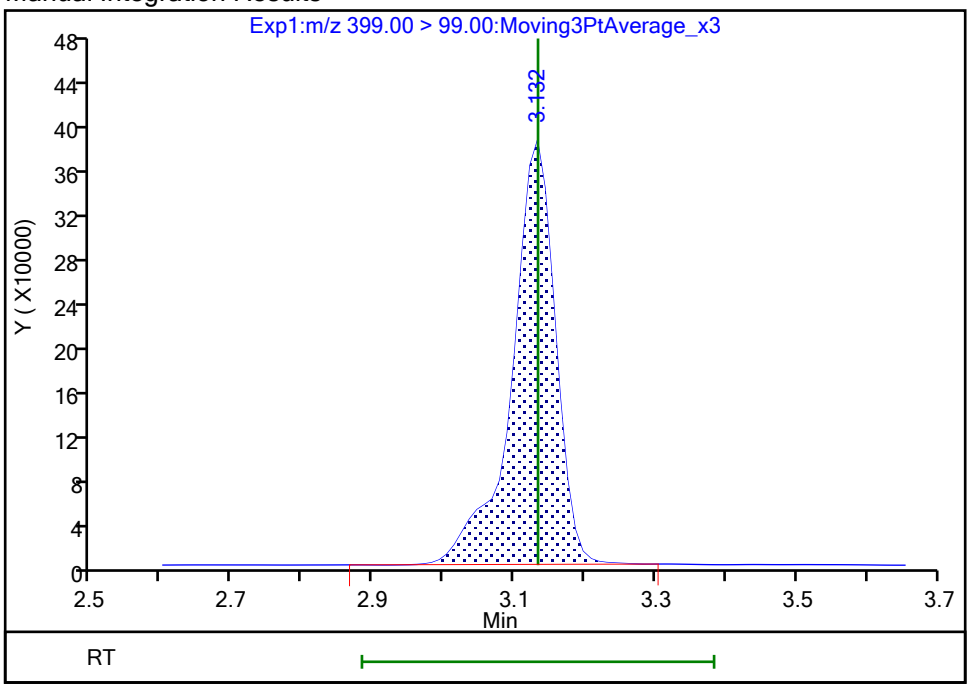
Processing Integration Results

RT: 3.13
Area: 1643683
Amount: 9.072810
Amount Units: ng/ml



Manual Integration Results

RT: 3.13
Area: 1631116
Amount: 8.357156
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 14:01:49

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

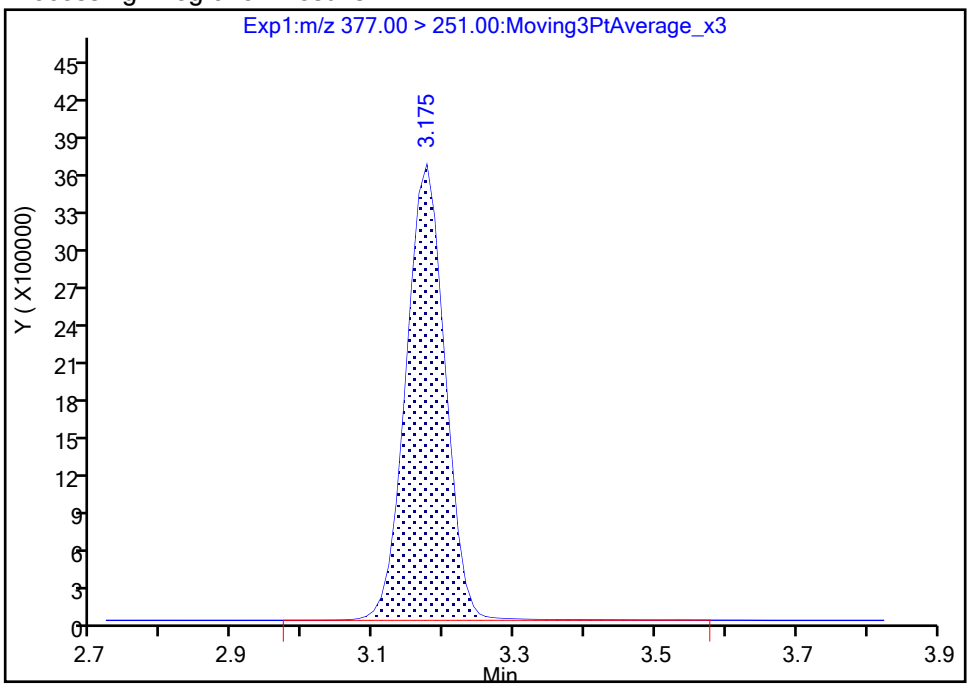
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d
Injection Date: 22-Dec-2020 13:29:37 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

77 DONA, CAS: 919005-14-4

Signal: 1

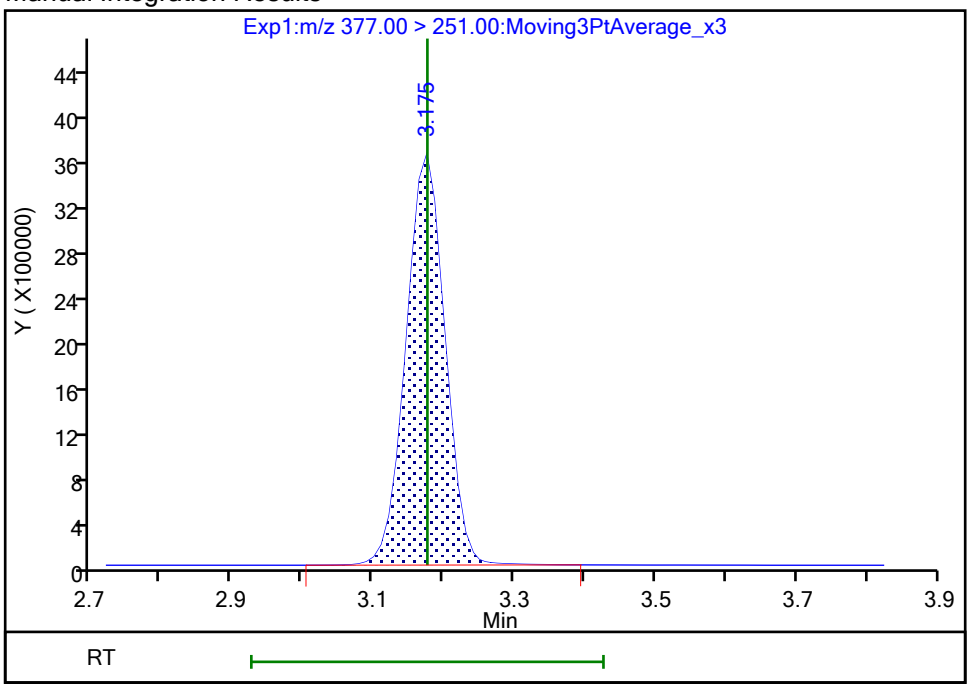
Processing Integration Results

RT: 3.18
Area: 13968604
Amount: 9.315090
Amount Units: ng/ml



Manual Integration Results

RT: 3.18
Area: 13928638
Amount: 8.998109
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 14:01:57
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

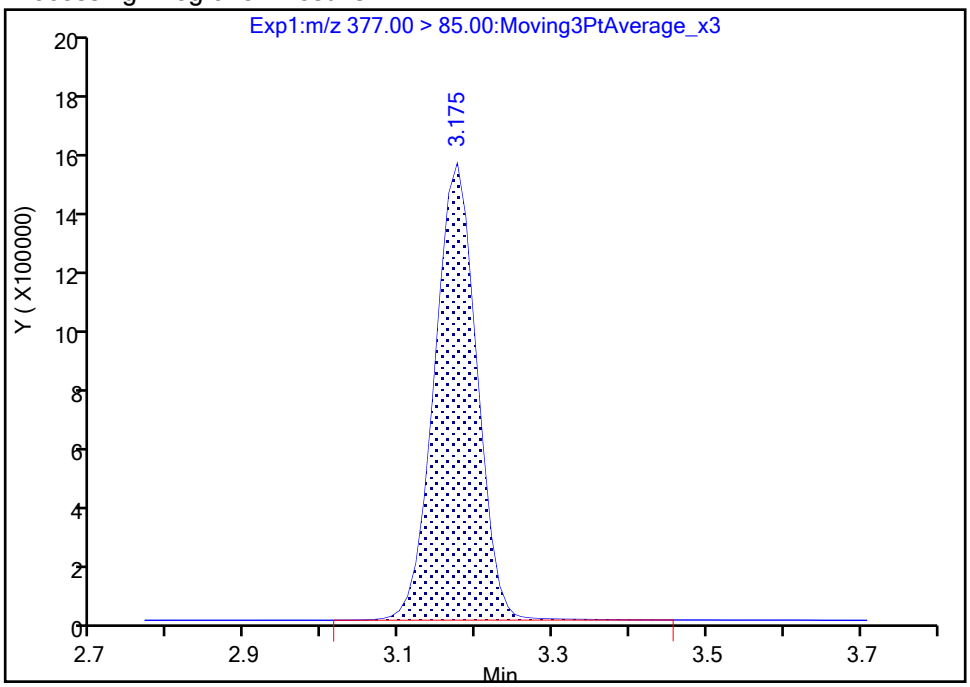
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d				
Injection Date:	22-Dec-2020 13:29:37	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

77 DONA, CAS: 919005-14-4

Signal: 2

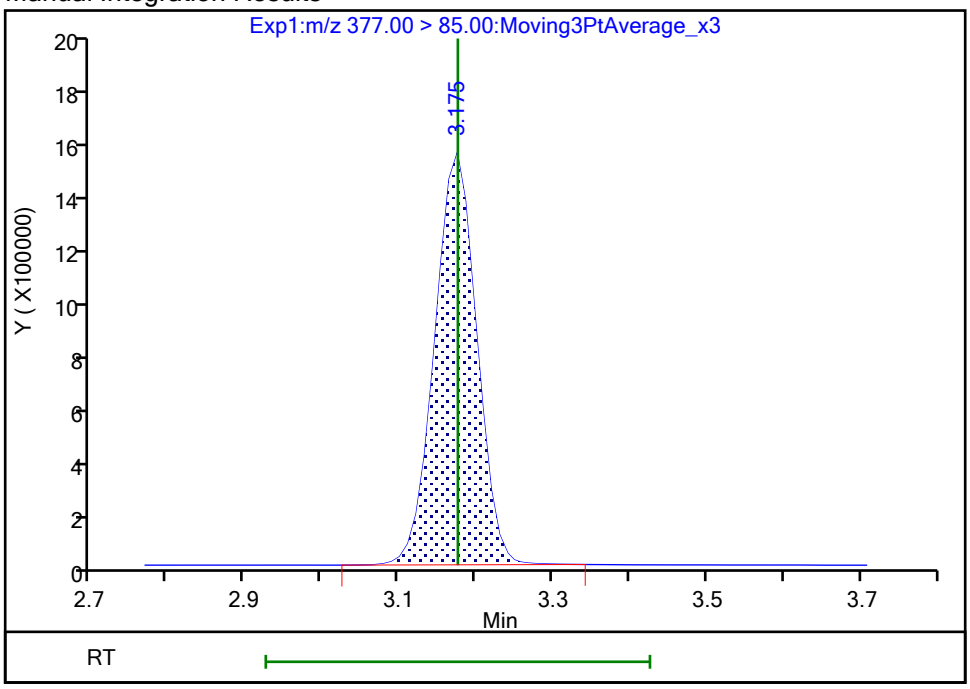
Processing Integration Results

RT: 3.18
Area: 5824120
Amount: 9.315090
Amount Units: ng/ml



Manual Integration Results

RT: 3.18
Area: 5802950
Amount: 8.998109
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 14:02:01

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

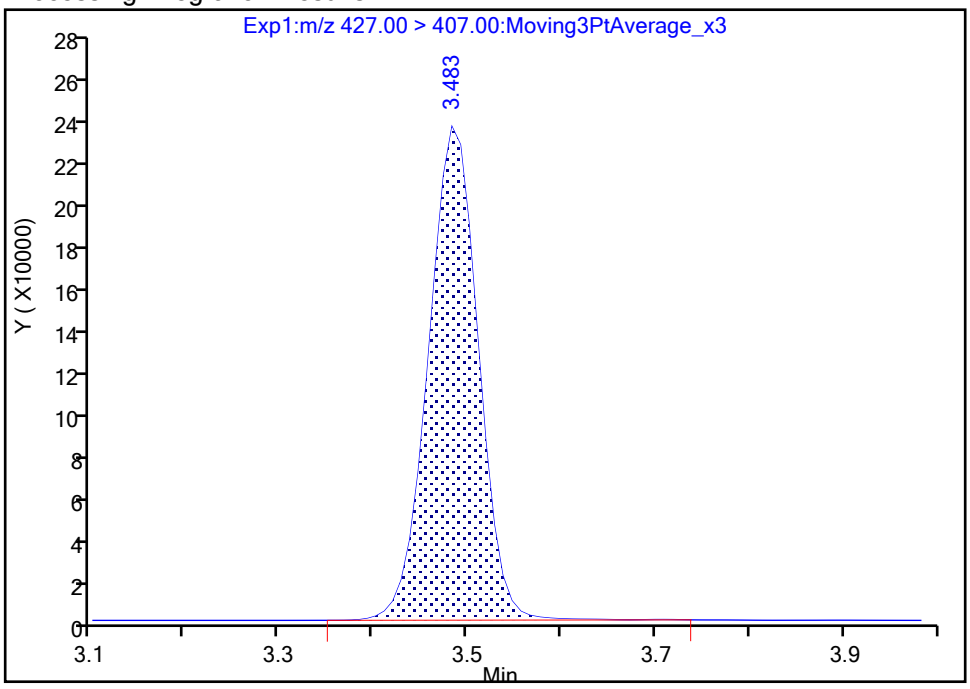
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d				
Injection Date:	22-Dec-2020 13:29:37	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

Signal: 1

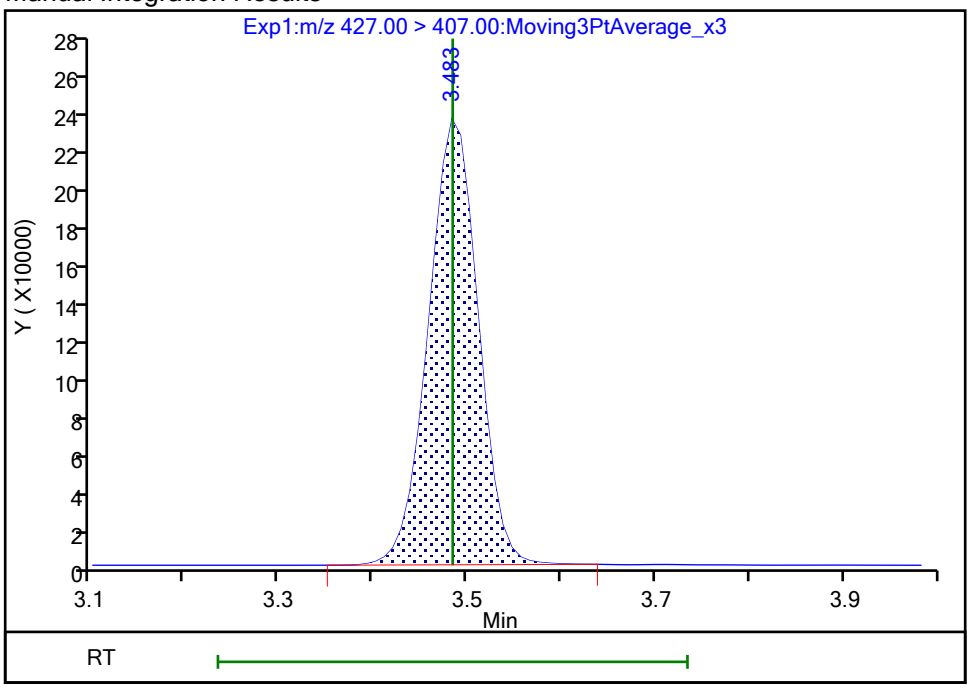
Processing Integration Results

RT: 3.48
Area: 857542
Amount: 9.479520
Amount Units: ng/ml



Manual Integration Results

RT: 3.48
Area: 854196
Amount: 9.466413
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 14:02:20
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

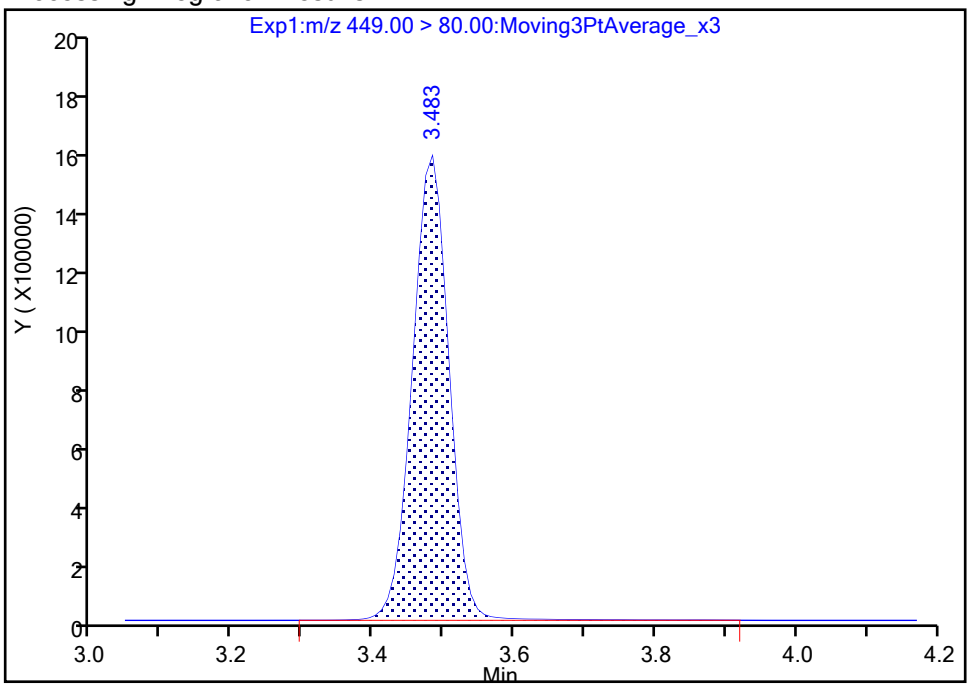
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d				
Injection Date:	22-Dec-2020 13:29:37	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

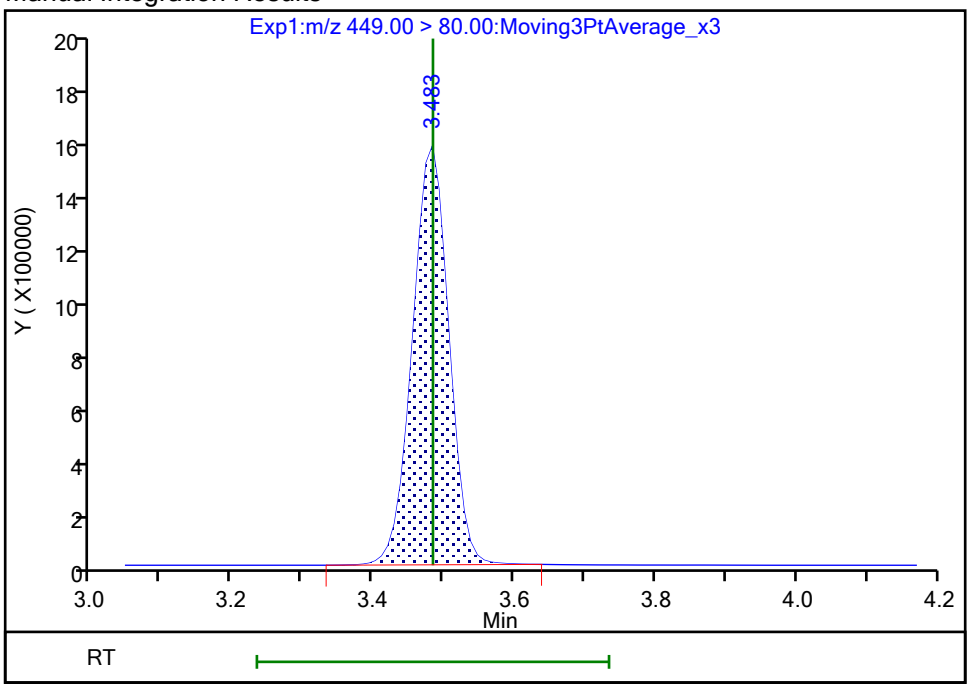
Processing Integration Results

RT: 3.48
Area: 5614949
Amount: 9.491517
Amount Units: ng/ml



Manual Integration Results

RT: 3.48
Area: 5572962
Amount: 8.928842
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 14:02:08
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

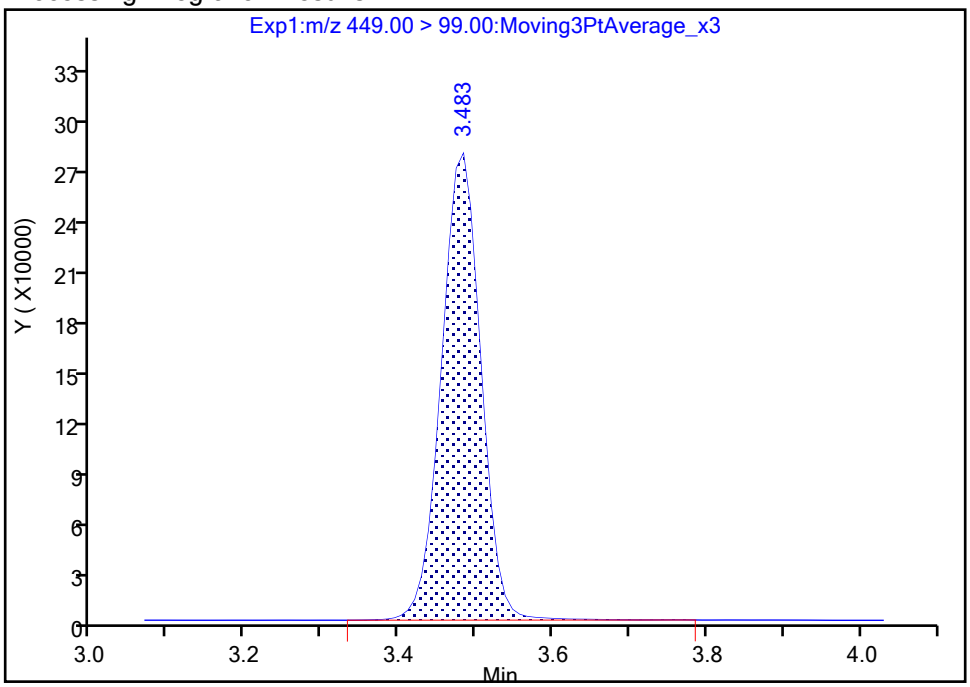
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d				
Injection Date:	22-Dec-2020 13:29:37	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

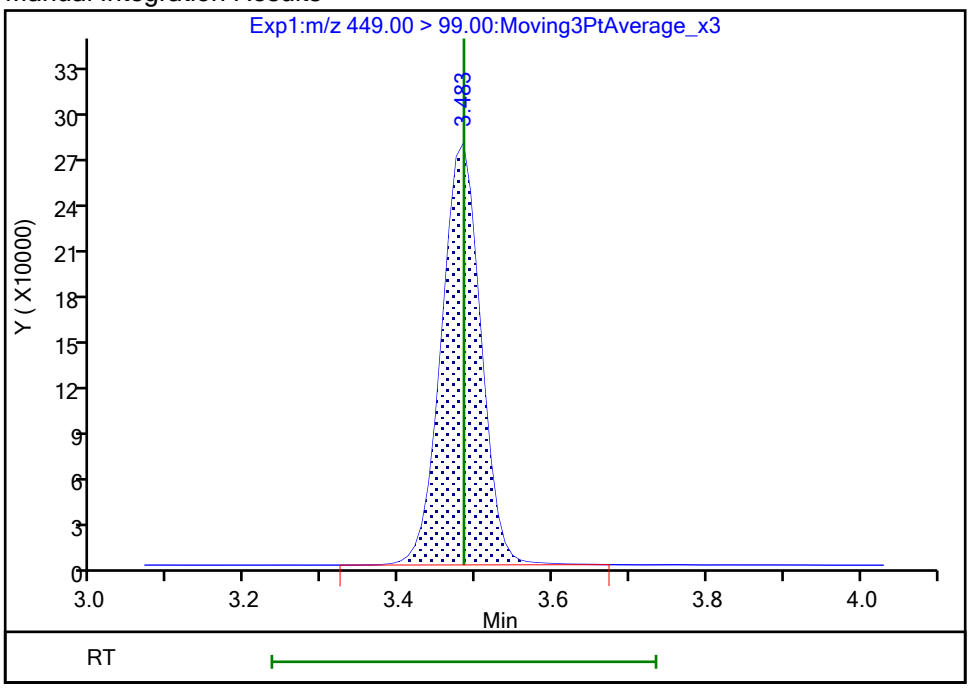
Processing Integration Results

RT: 3.48
Area: 967749
Amount: 9.491517
Amount Units: ng/ml



Manual Integration Results

RT: 3.48
Area: 965141
Amount: 8.928842
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 14:02:12

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

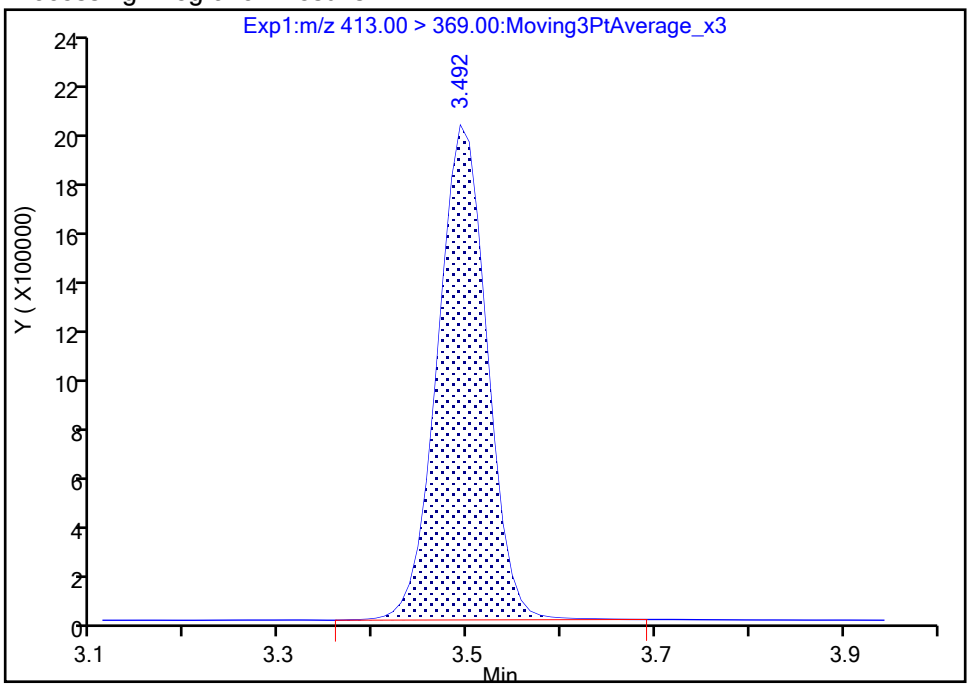
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d				
Injection Date:	22-Dec-2020 13:29:37	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

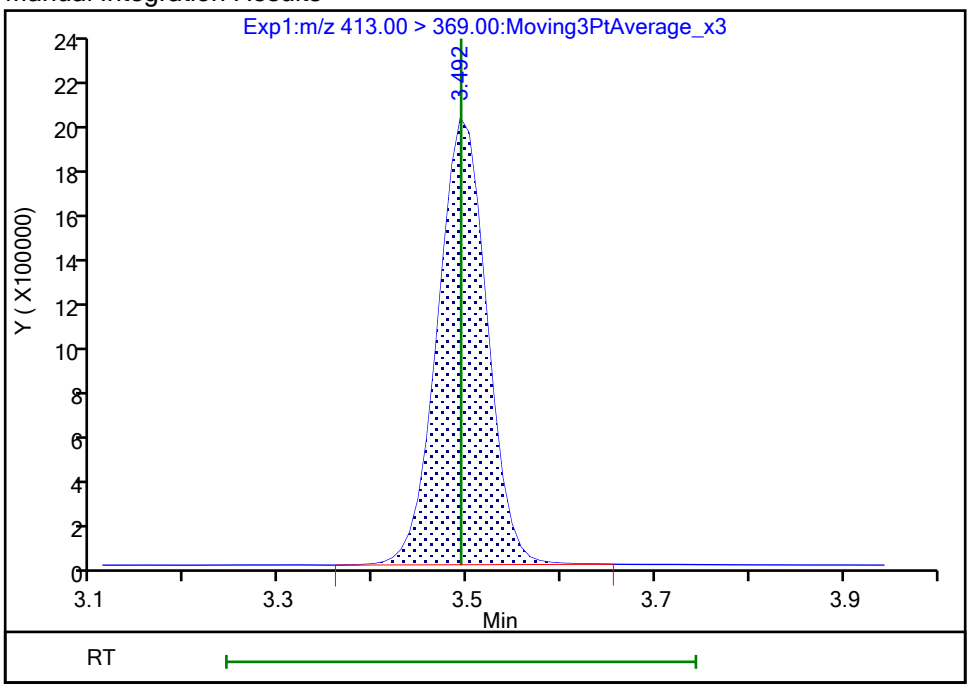
Processing Integration Results

RT: 3.49
Area: 7264133
Amount: 10.101909
Amount Units: ng/ml



Manual Integration Results

RT: 3.49
Area: 7252703
Amount: 9.960263
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 14:02:31

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

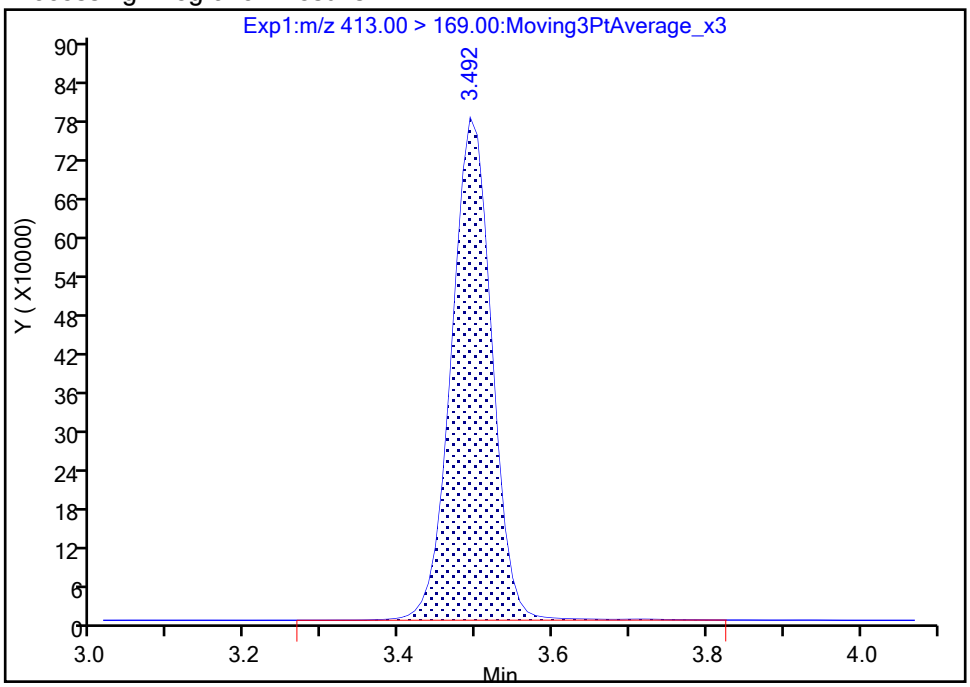
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d				
Injection Date:	22-Dec-2020 13:29:37	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

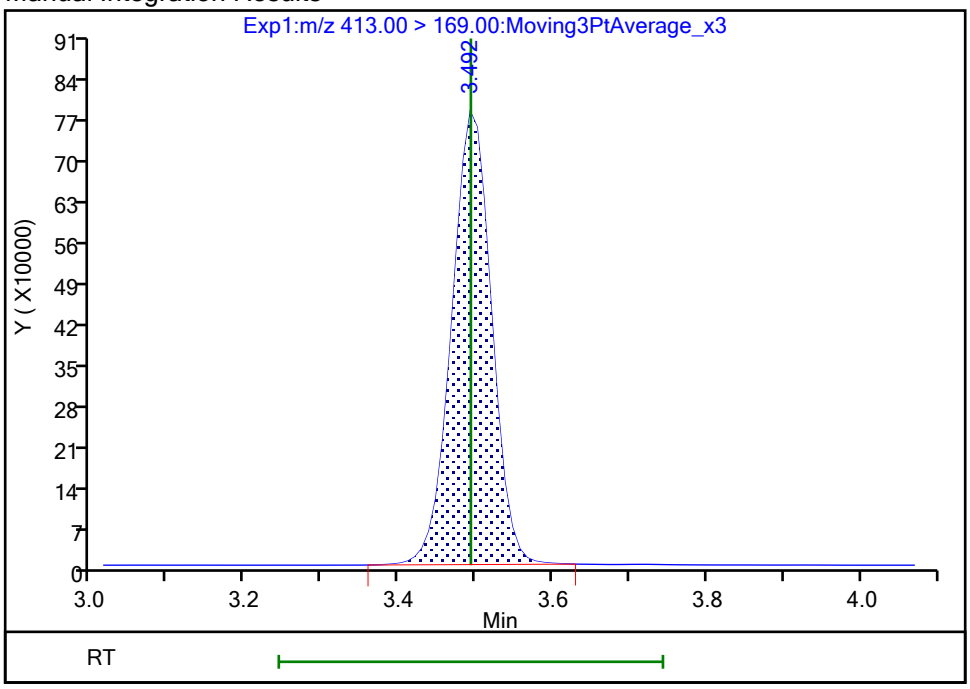
Processing Integration Results

RT: 3.49
Area: 2818415
Amount: 10.101909
Amount Units: ng/ml



Manual Integration Results

RT: 3.49
Area: 2794731
Amount: 9.960263
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 14:02:35
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

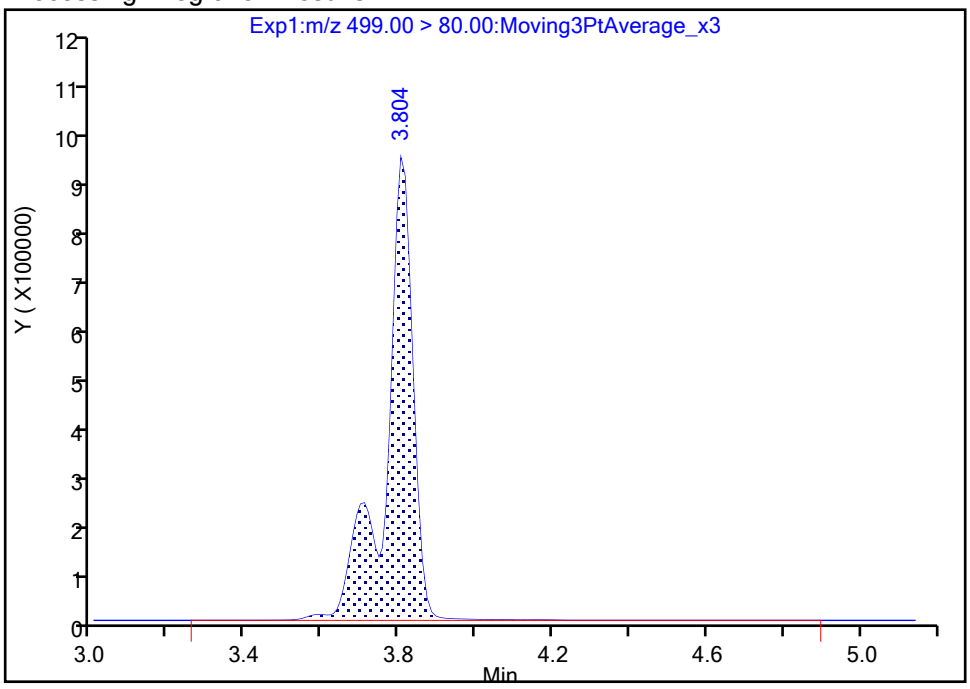
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d				
Injection Date:	22-Dec-2020 13:29:37	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

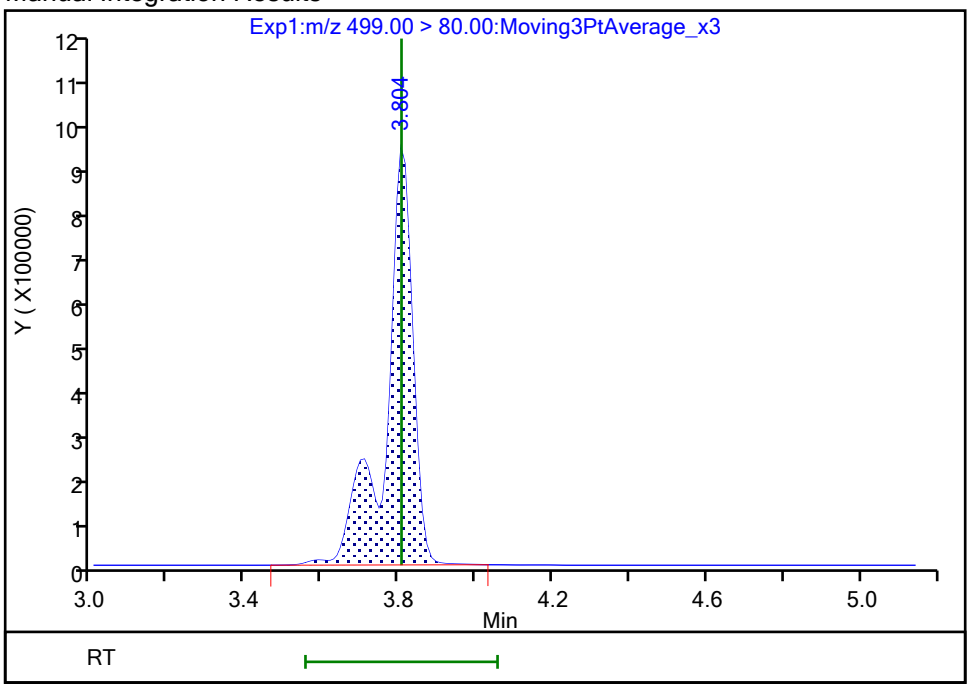
Processing Integration Results

RT: 3.80
Area: 4689022
Amount: 9.277509
Amount Units: ng/ml



Manual Integration Results

RT: 3.80
Area: 4659375
Amount: 8.763764
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 14:02:44

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

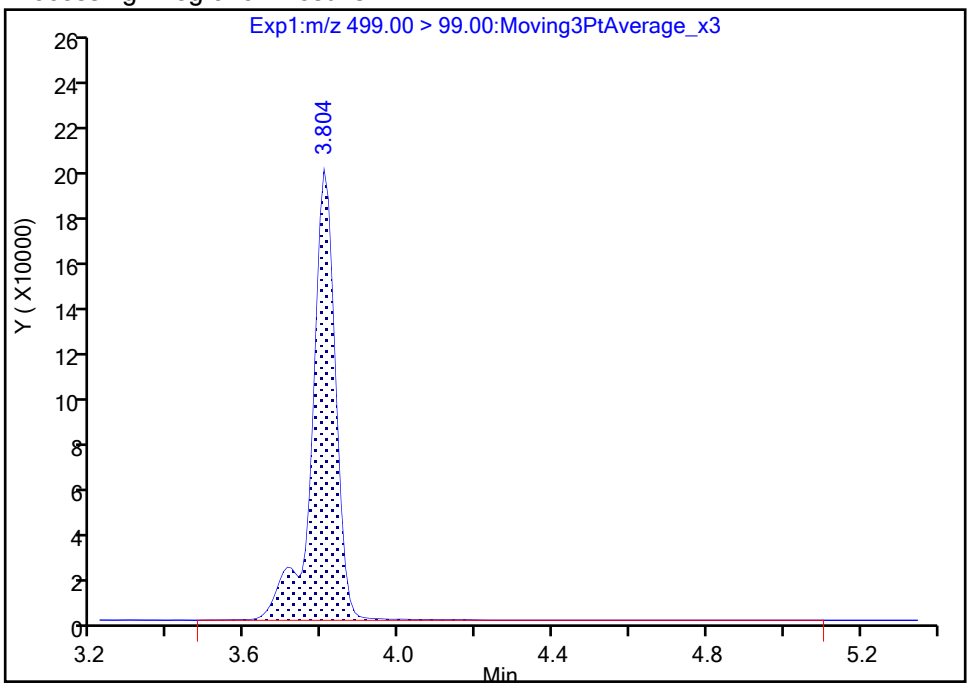
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d				
Injection Date:	22-Dec-2020 13:29:37	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

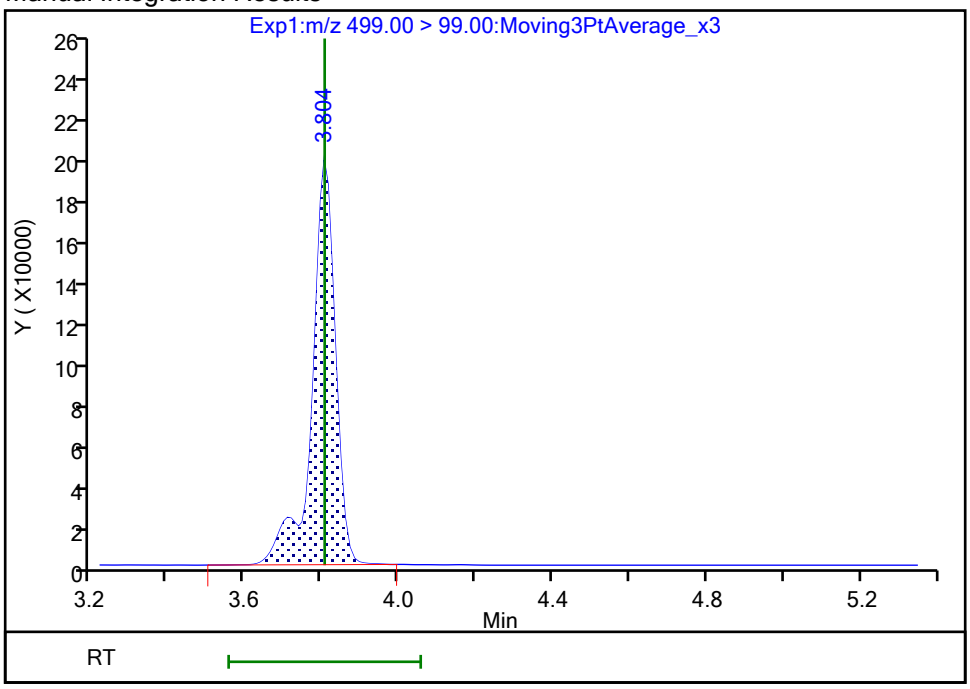
Processing Integration Results

RT: 3.80
Area: 837352
Amount: 9.277509
Amount Units: ng/ml



Manual Integration Results

RT: 3.80
Area: 828174
Amount: 8.763764
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 14:02:50
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

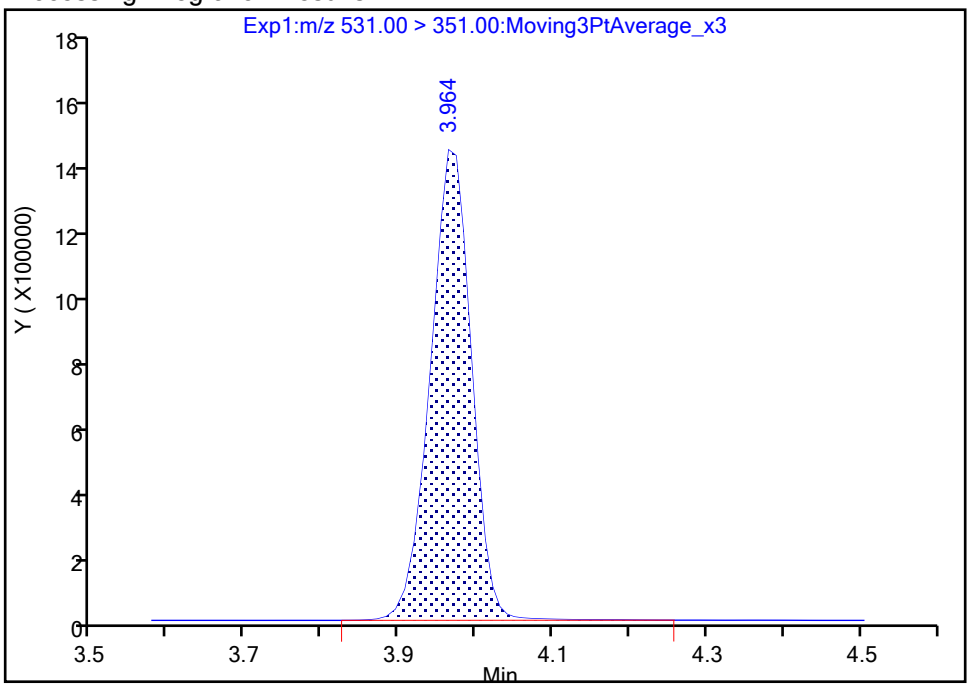
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d				
Injection Date:	22-Dec-2020 13:29:37	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

69 9-Chlorohexadecafluoro-3-oxanona, CAS: 756426-58-1

Signal: 1

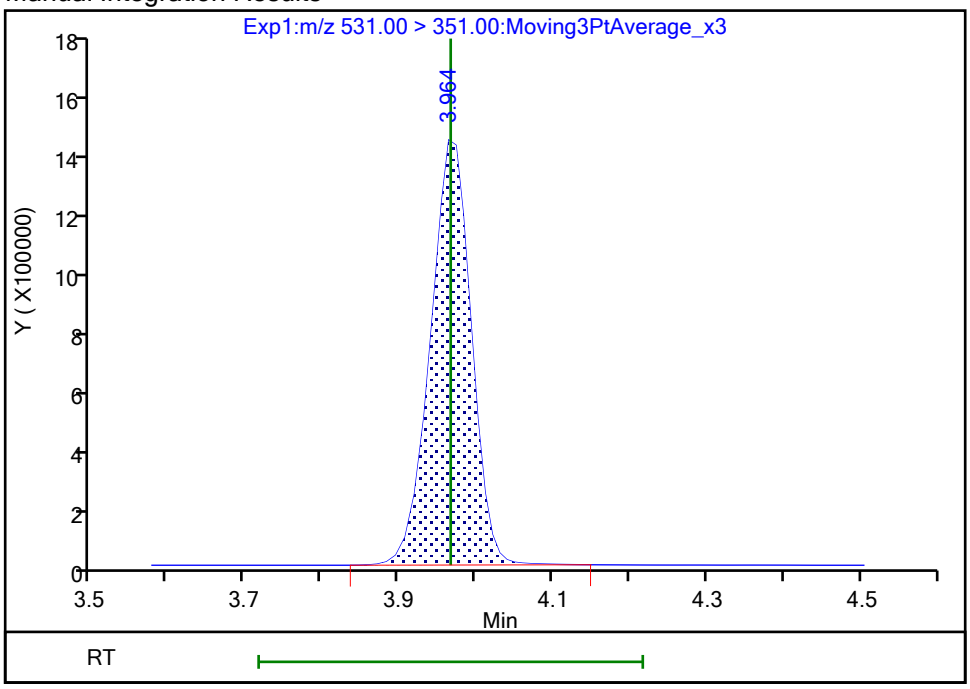
Processing Integration Results

RT: 3.96
Area: 5277681
Amount: 9.196032
Amount Units: ng/ml



Manual Integration Results

RT: 3.96
Area: 5263362
Amount: 8.872886
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 14:02:58
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

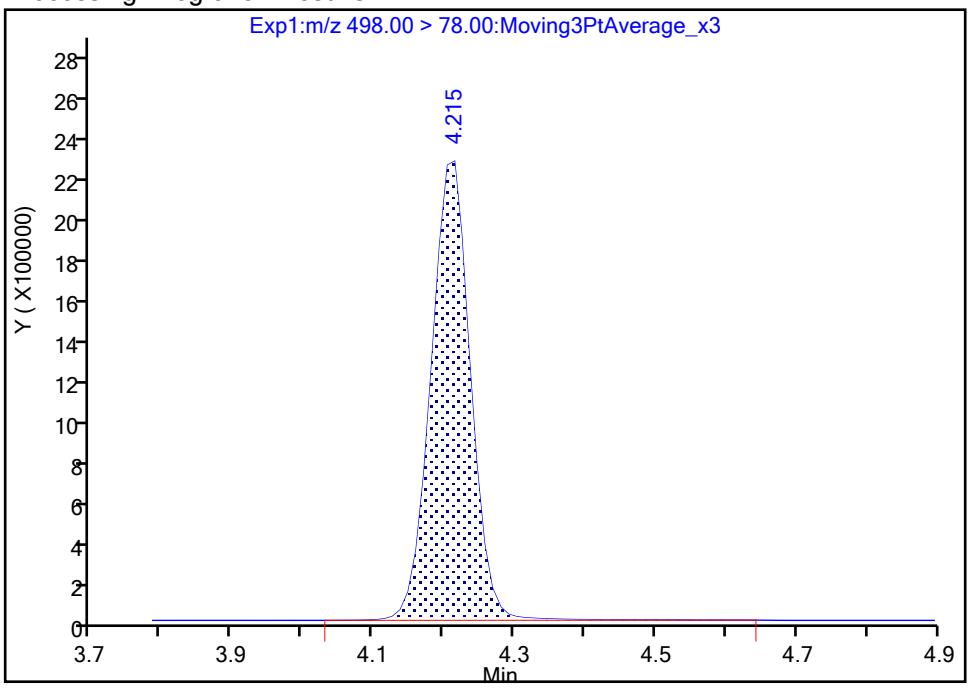
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d				
Injection Date:	22-Dec-2020 13:29:37	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

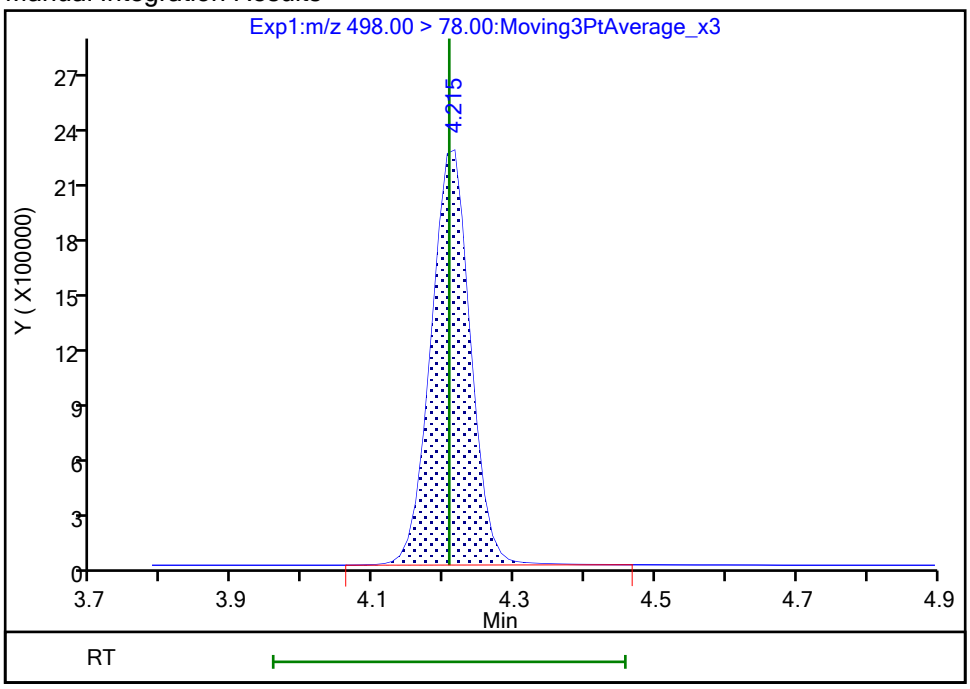
Processing Integration Results

RT: 4.21
Area: 8695535
Amount: 9.886059
Amount Units: ng/ml



Manual Integration Results

RT: 4.21
Area: 8663983
Amount: 9.723361
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 14:03:09
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

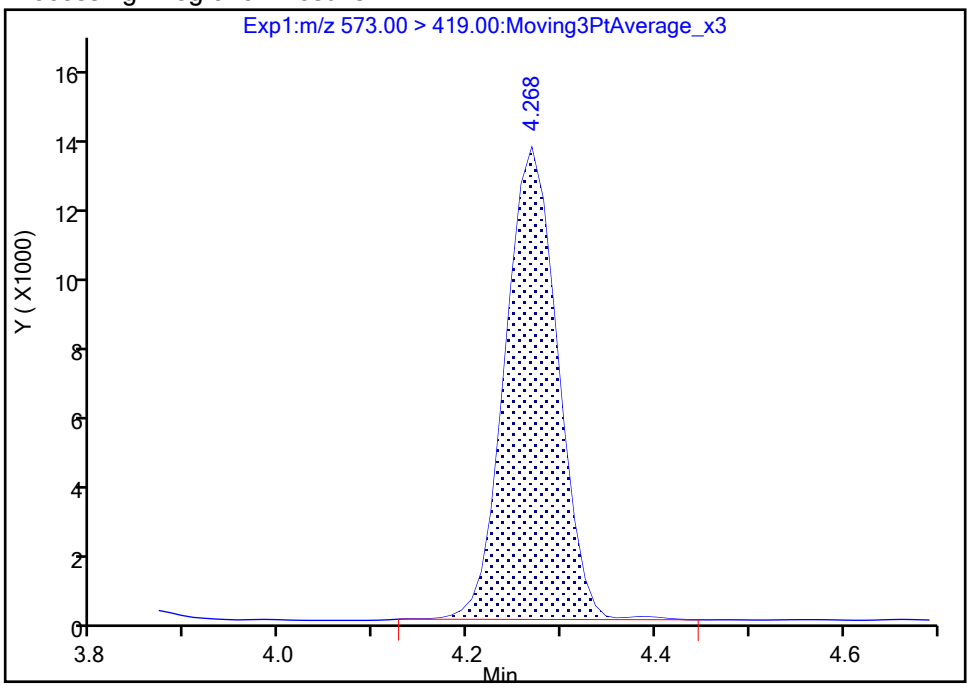
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d				
Injection Date:	22-Dec-2020 13:29:37	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

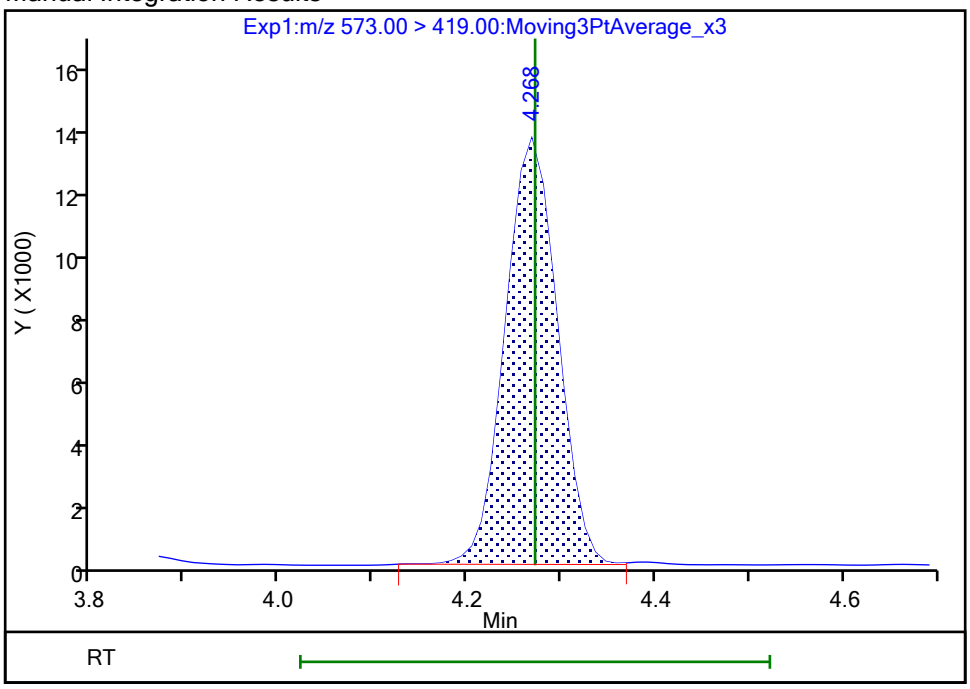
Processing Integration Results

RT: 4.27
Area: 53040
Amount: 1.285415
Amount Units: ng/ml



Manual Integration Results

RT: 4.27
Area: 52838
Amount: 1.281356
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 14:03:23

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

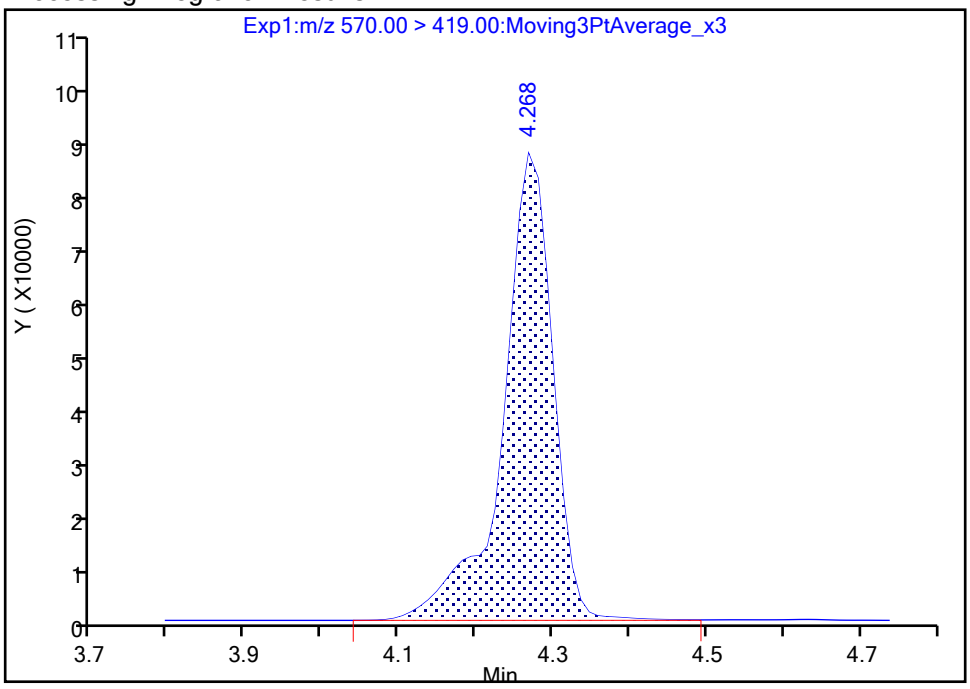
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d				
Injection Date:	22-Dec-2020 13:29:37	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

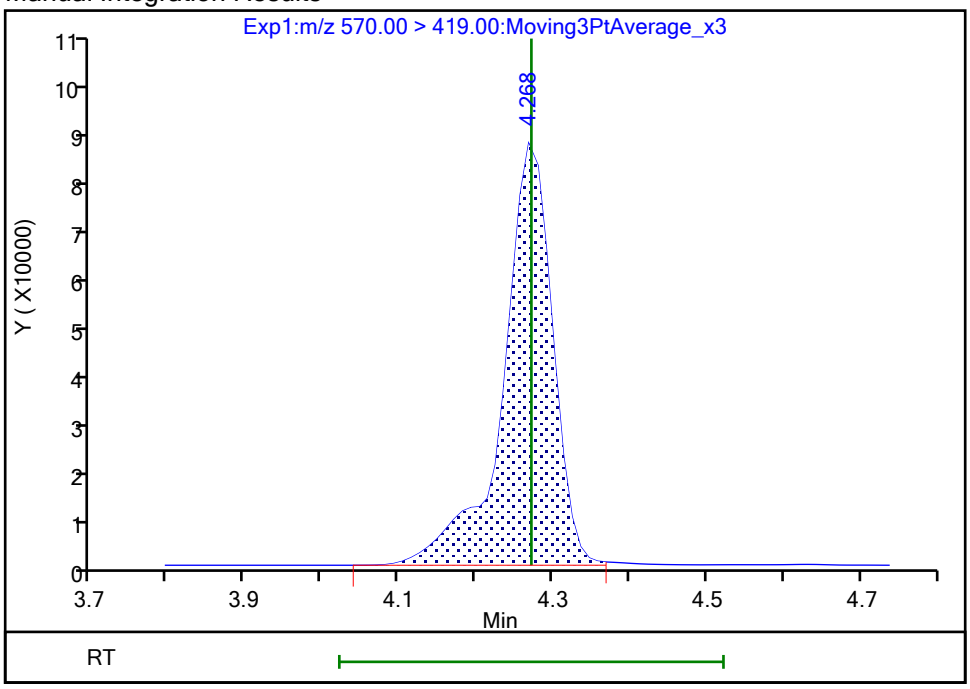
Processing Integration Results

RT: 4.27
Area: 391936
Amount: 10.110192
Amount Units: ng/ml



Manual Integration Results

RT: 4.27
Area: 390016
Amount: 10.409562
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 14:03:36
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

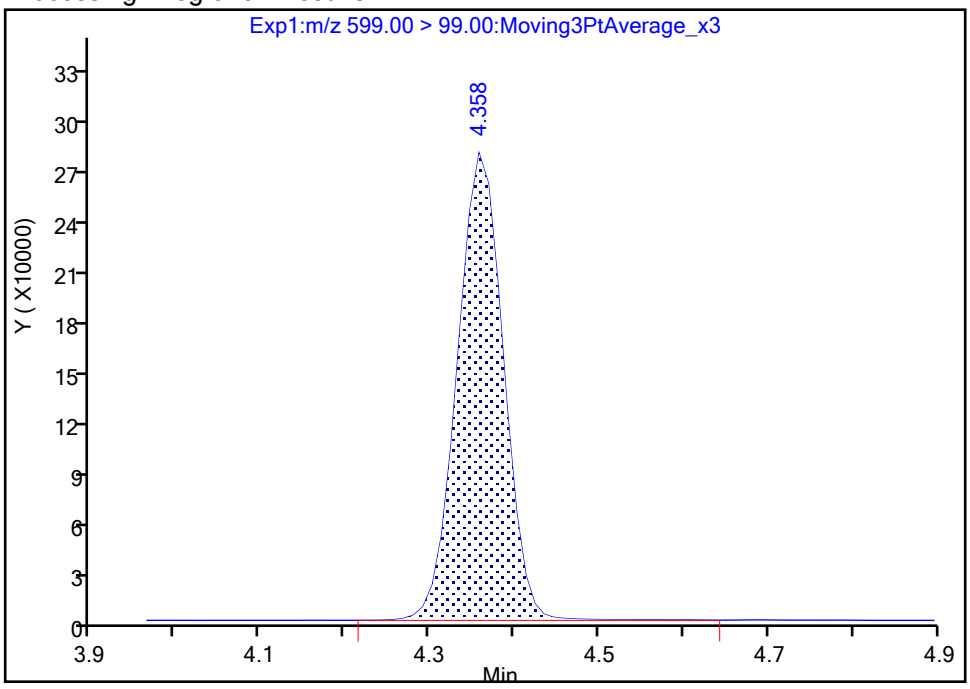
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d				
Injection Date:	22-Dec-2020 13:29:37	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

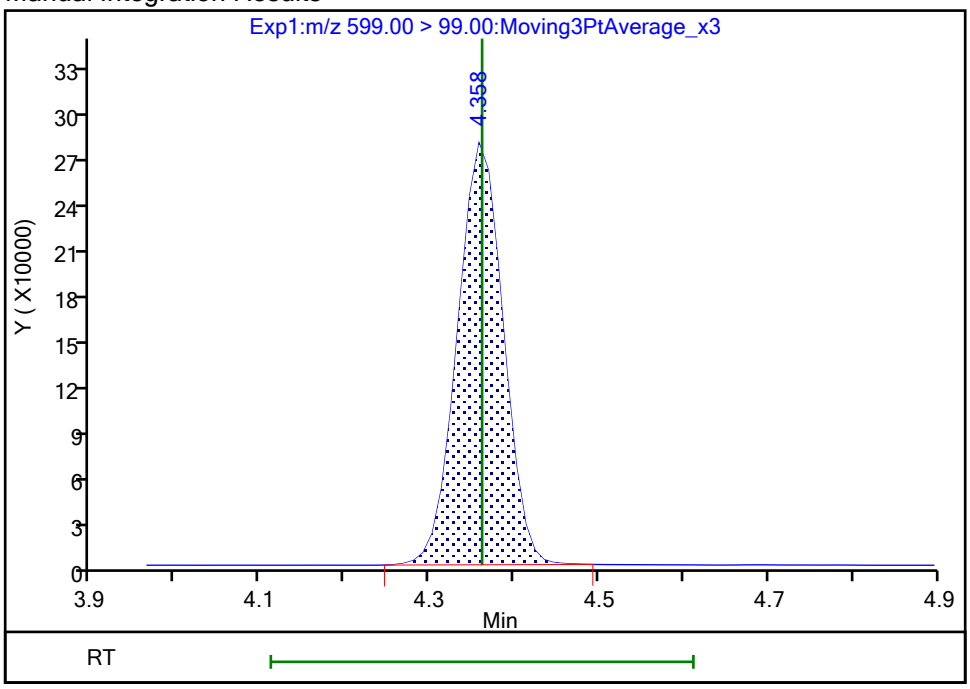
Processing Integration Results

RT: 4.36
Area: 1051372
Amount: 9.528663
Amount Units: ng/ml



Manual Integration Results

RT: 4.36
Area: 1043601
Amount: 9.160012
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 14:03:46

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

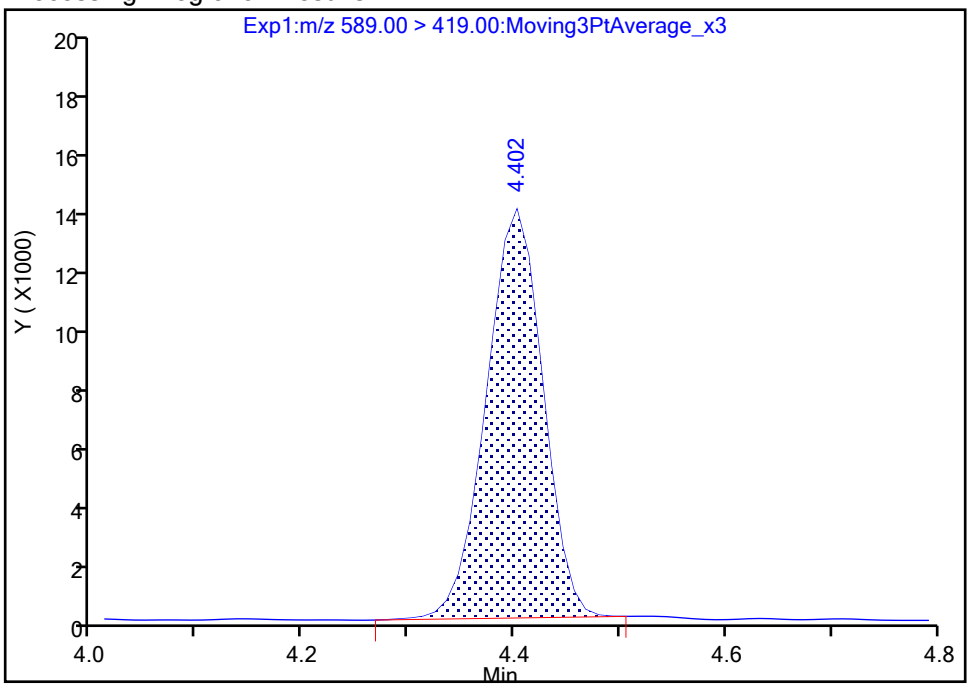
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d				
Injection Date:	22-Dec-2020 13:29:37	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 32 d5-NEtFOSAA, CAS: STL02117

Signal: 1

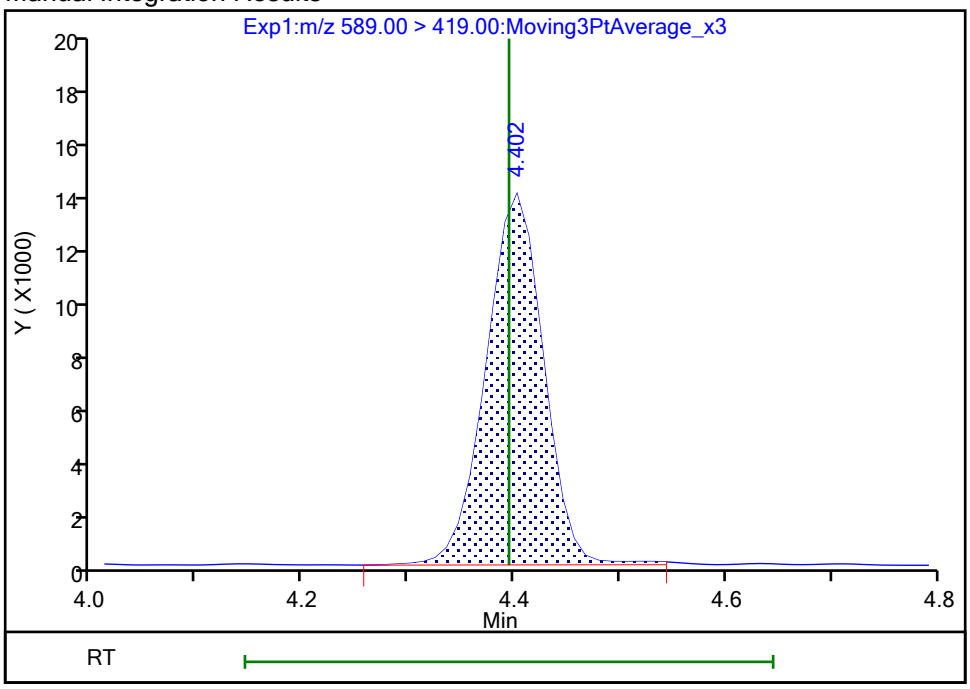
Processing Integration Results

RT: 4.40
Area: 51255
Amount: 1.290797
Amount Units: ng/ml



Manual Integration Results

RT: 4.40
Area: 52405
Amount: 1.314682
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 14:04:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

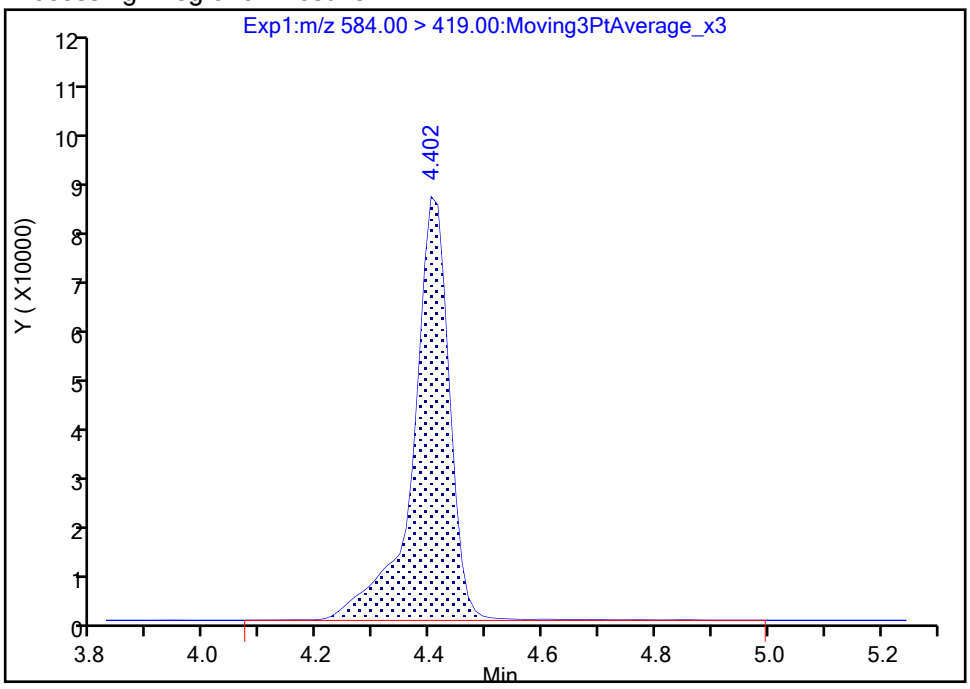
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d
Injection Date: 22-Dec-2020 13:29:37 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

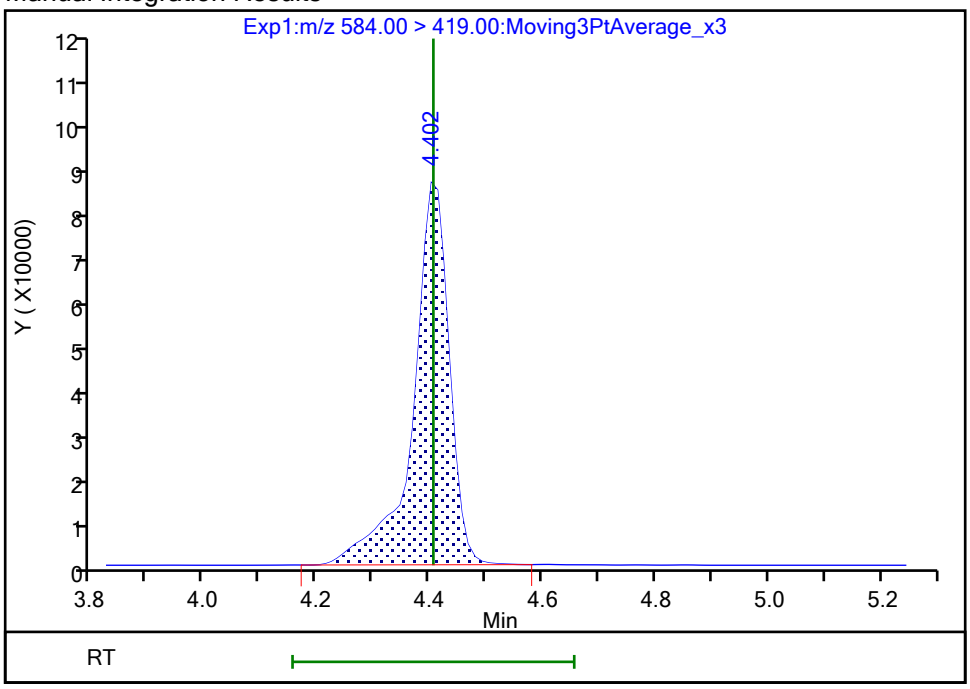
Processing Integration Results

RT: 4.40
Area: 359681
Amount: 9.767456
Amount Units: ng/ml



Manual Integration Results

RT: 4.40
Area: 355914
Amount: 9.170908
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 14:04:17
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

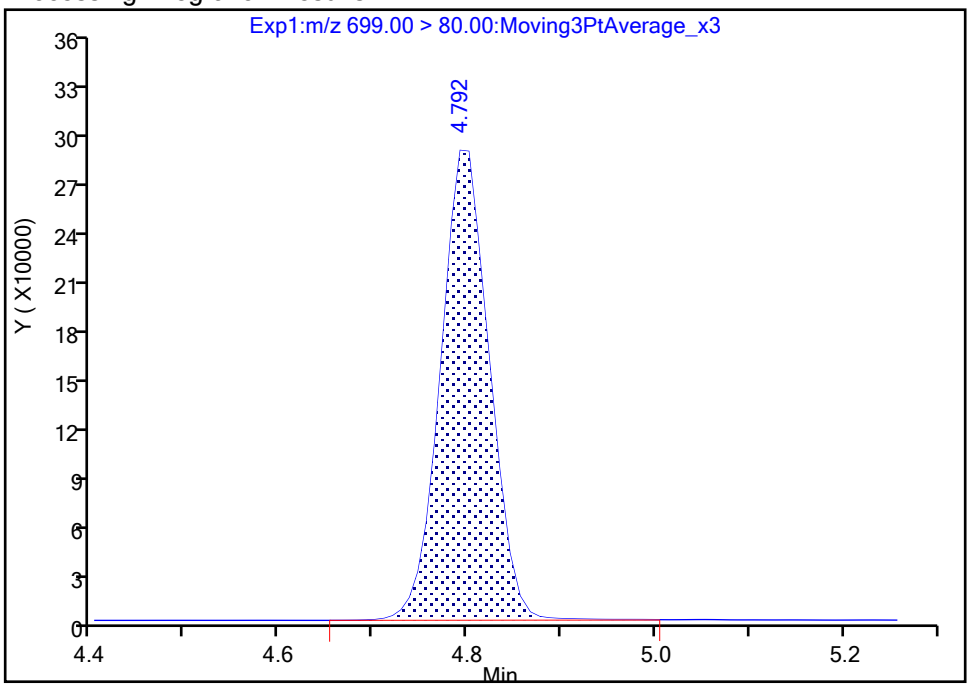
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d				
Injection Date:	22-Dec-2020 13:29:37	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

75 Perfluorododecanesulfonic acid (, CAS: 79780-39-5

Signal: 1

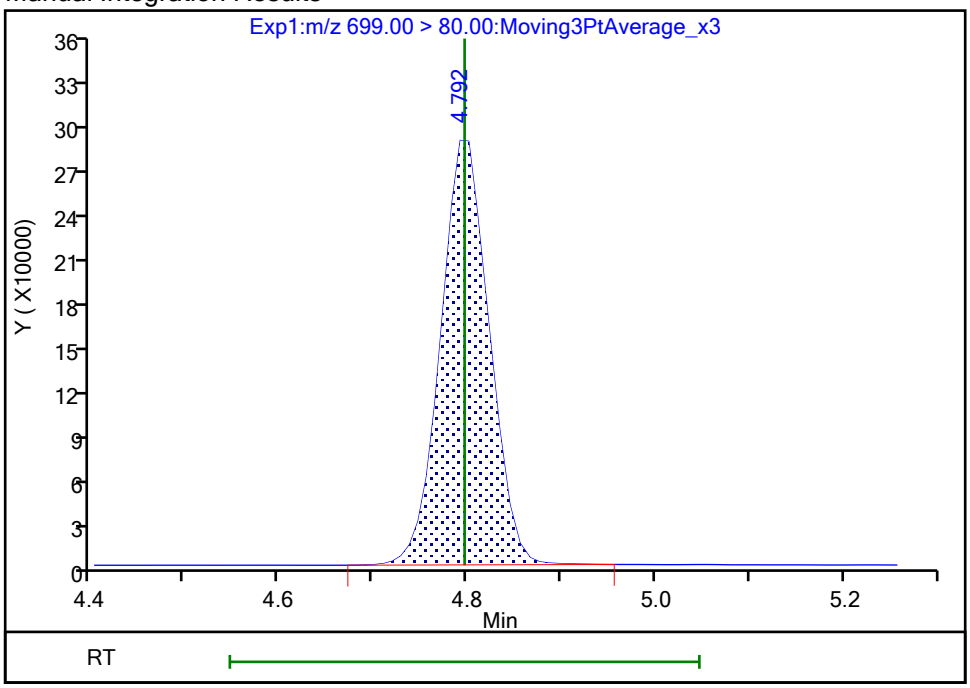
Processing Integration Results

RT: 4.79
Area: 1023317
Amount: 8.781133
Amount Units: ng/ml



Manual Integration Results

RT: 4.79
Area: 1019532
Amount: 8.762818
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 14:28:52
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

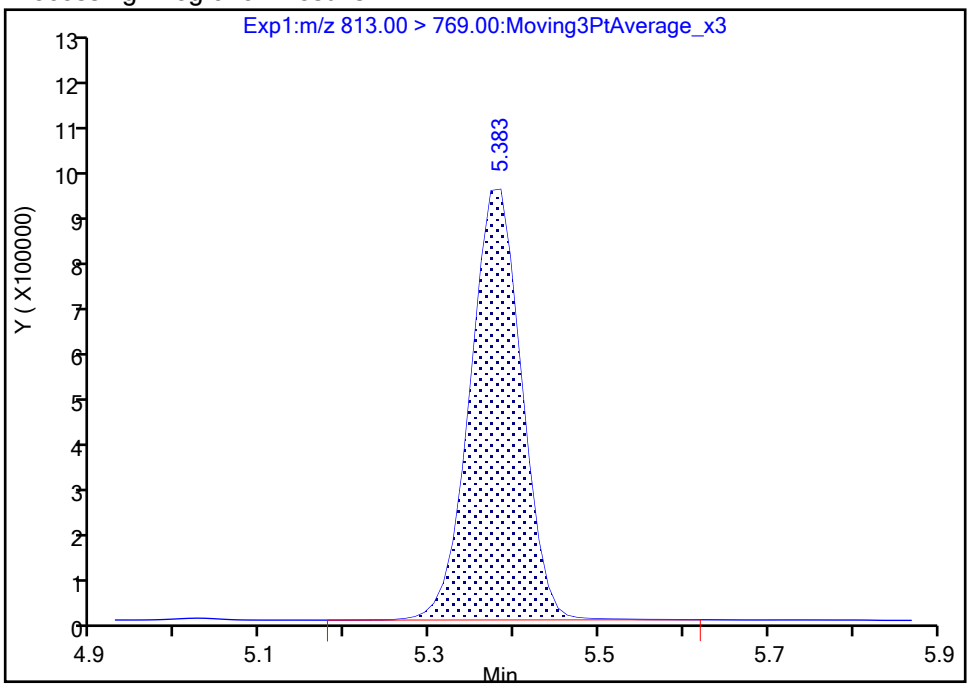
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d				
Injection Date:	22-Dec-2020 13:29:37	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 1

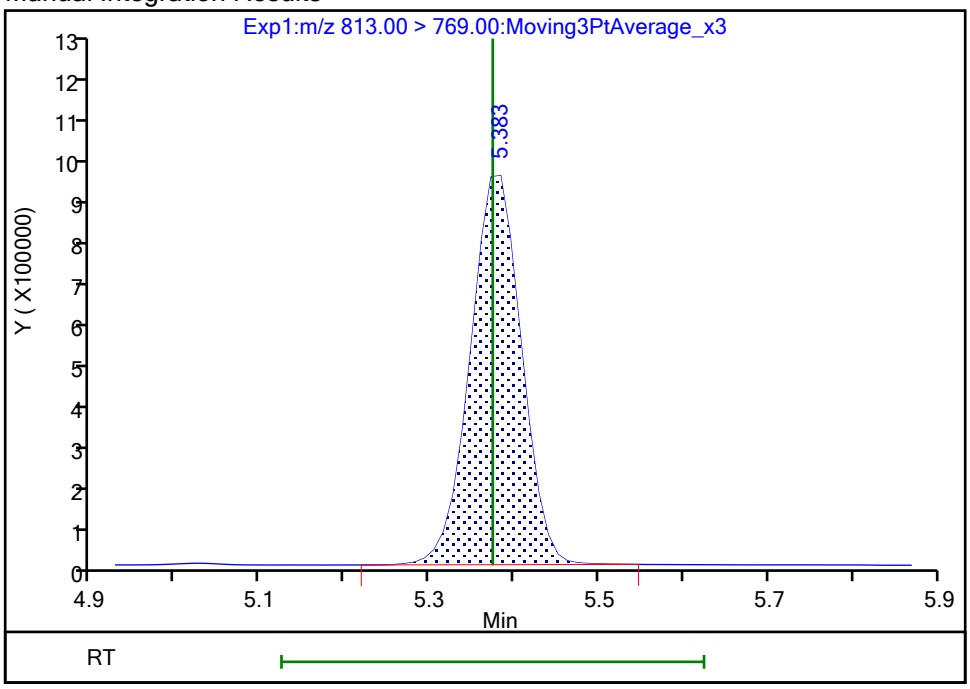
Processing Integration Results

RT: 5.38
Area: 3759052
Amount: 10.004821
Amount Units: ng/ml



Manual Integration Results

RT: 5.38
Area: 3749492
Amount: 9.998208
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 14:04:45
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

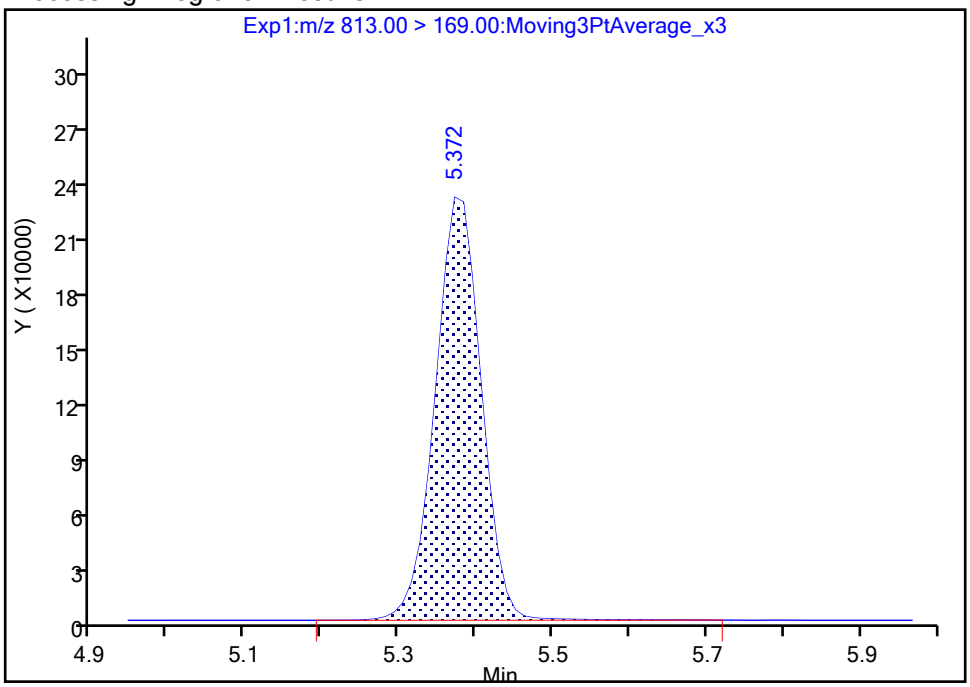
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d				
Injection Date:	22-Dec-2020 13:29:37	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

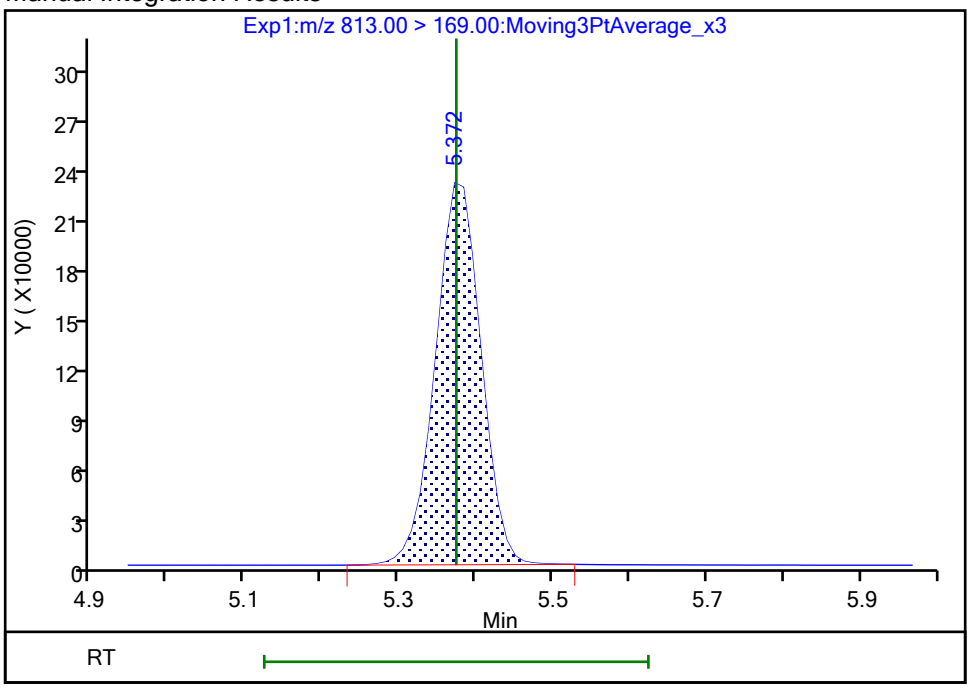
Processing Integration Results

RT: 5.37
Area: 940773
Amount: 10.004821
Amount Units: ng/ml



Manual Integration Results

RT: 5.37
Area: 935182
Amount: 9.998208
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 14:04:50
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

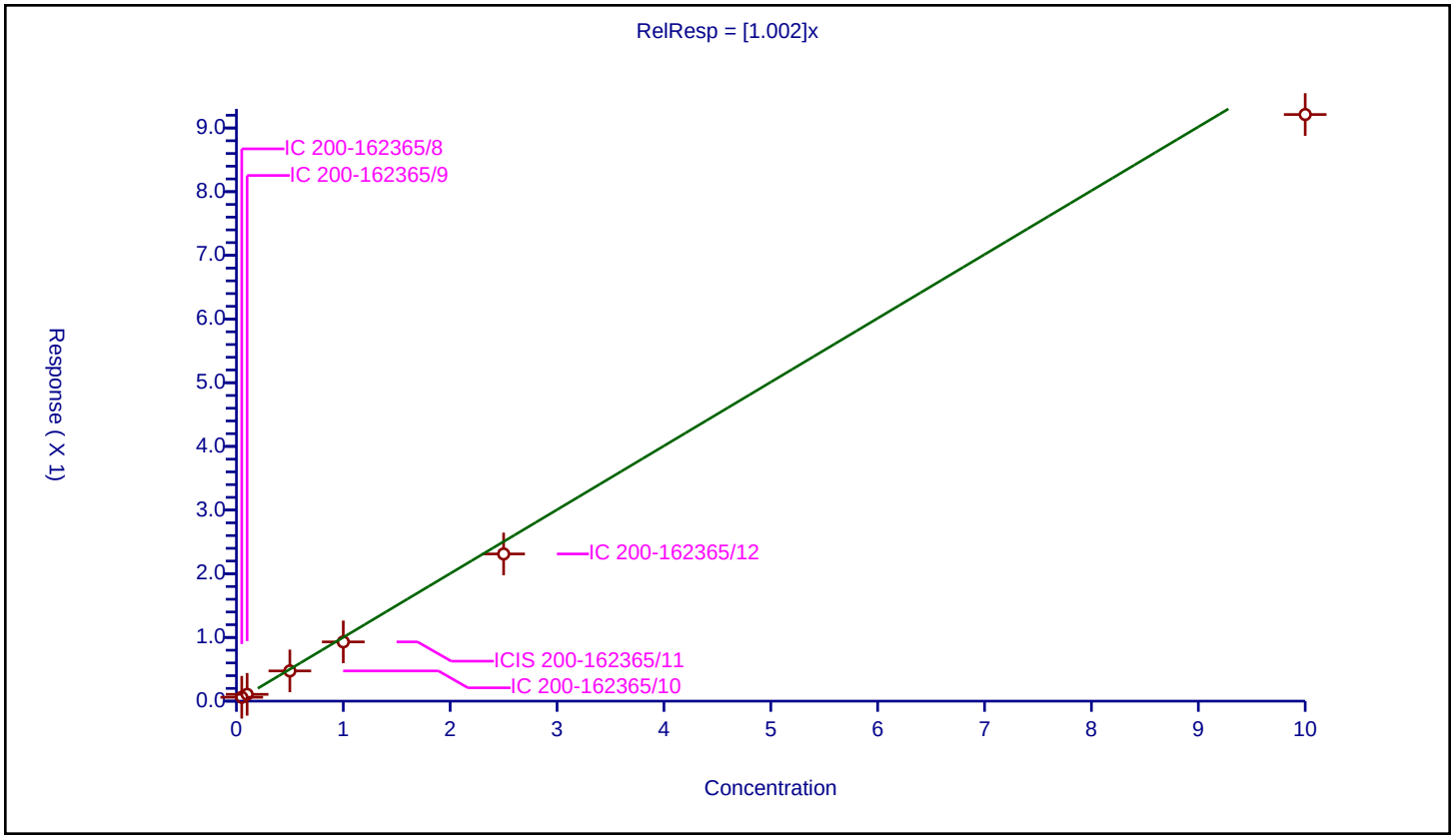
Curve Coefficients

Intercept:	0
Slope:	1.002

Error Coefficients

Standard Error:	4080000
Relative Standard Error:	12.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.05	0.060945	1.25	1181985.0	1.218903	Y
2	IC 200-162365/9	0.1	0.106874	1.25	1386458.0	1.06874	Y
3	IC 200-162365/10	0.5	0.47428	1.25	1203352.0	0.948561	Y
4	ICIS 200-162365/11	1.0	0.930197	1.25	1185176.0	0.930197	Y
5	IC 200-162365/12	2.5	2.311251	1.25	1183081.0	0.924501	Y
6	IC 200-162365/13	10.0	9.211614	1.25	1192876.0	0.921161	Y



Calibration / Perfluoropentanoic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

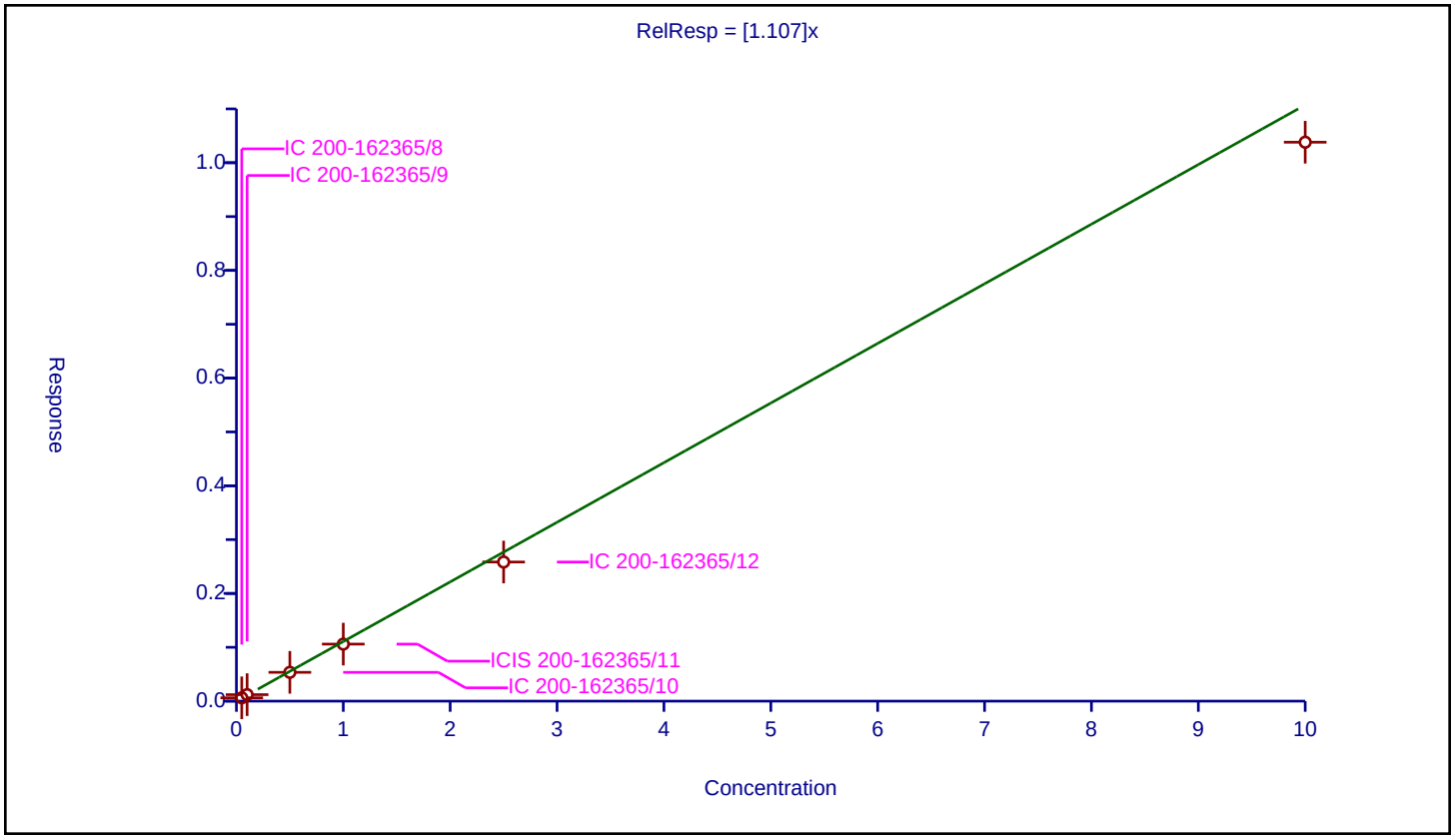
Curve Coefficients

Intercept:	0
Slope:	1.107

Error Coefficients

Standard Error:	3260000
Relative Standard Error:	8.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.05	0.061795	1.25	878850.0	1.235905	Y
2	IC 200-162365/9	0.1	0.120668	1.25	1030251.0	1.206684	Y
3	IC 200-162365/10	0.5	0.535033	1.25	856461.0	1.070066	Y
4	ICIS 200-162365/11	1.0	1.059271	1.25	843580.0	1.059271	Y
5	IC 200-162365/12	2.5	2.584107	1.25	850273.0	1.033643	Y
6	IC 200-162365/13	10.0	10.381386	1.25	847223.0	1.038139	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

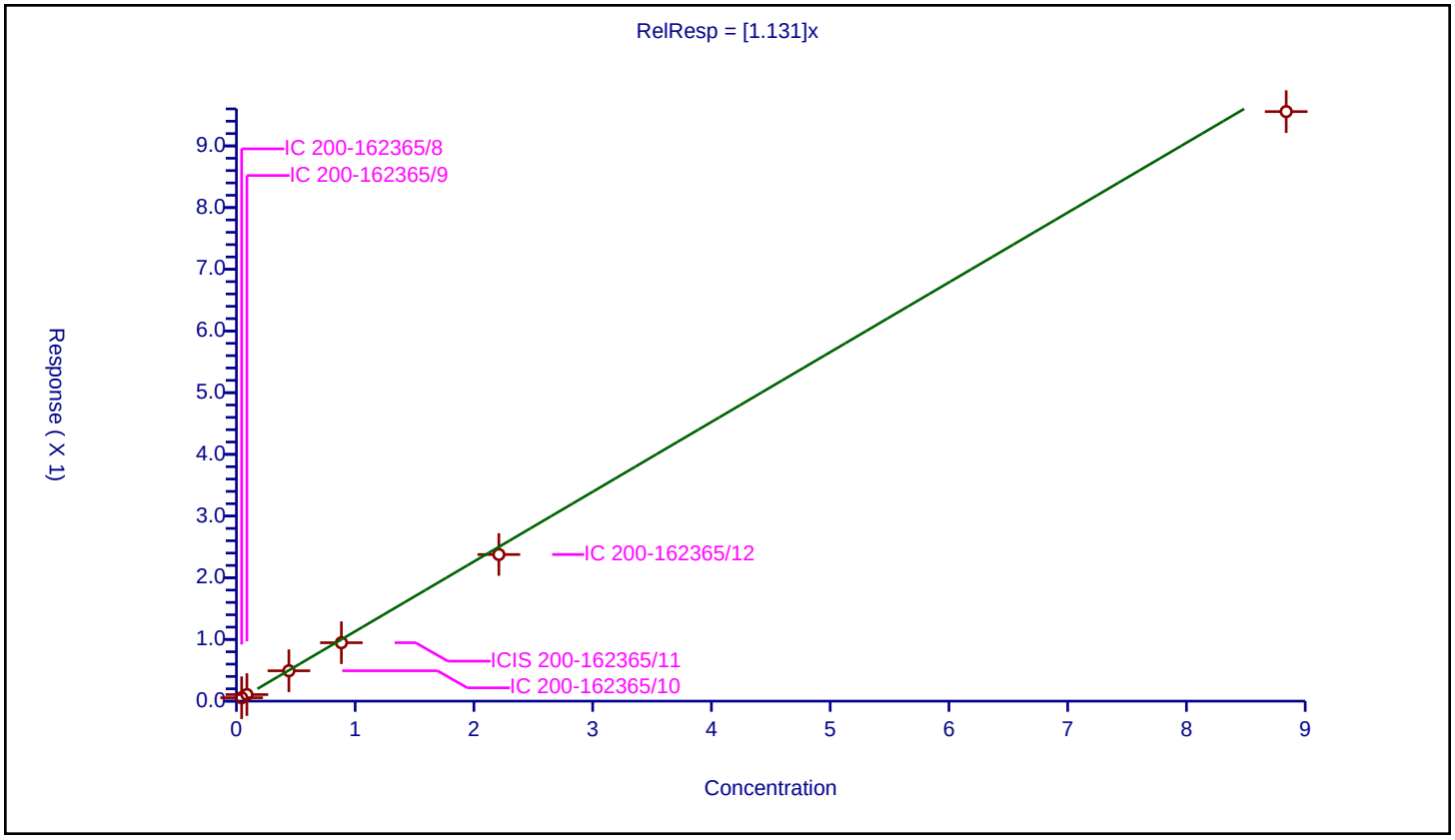
Curve Coefficients

Intercept:	0
Slope:	1.131

Error Coefficients

Standard Error:	4060000
Relative Standard Error:	6.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.0442	0.054939	1.1625	1024342.0	1.24297	Y
2	IC 200-162365/9	0.0884	0.106321	1.1625	1277928.0	1.202727	Y
3	IC 200-162365/10	0.442	0.492521	1.1625	1038343.0	1.114301	Y
4	ICIS 200-162365/11	0.884	0.947054	1.1625	1062494.0	1.071328	Y
5	IC 200-162365/12	2.21	2.376755	1.1625	1027240.0	1.075455	Y
6	IC 200-162365/13	8.84	9.556022	1.1625	1066974.0	1.080998	Y



Calibration / 1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

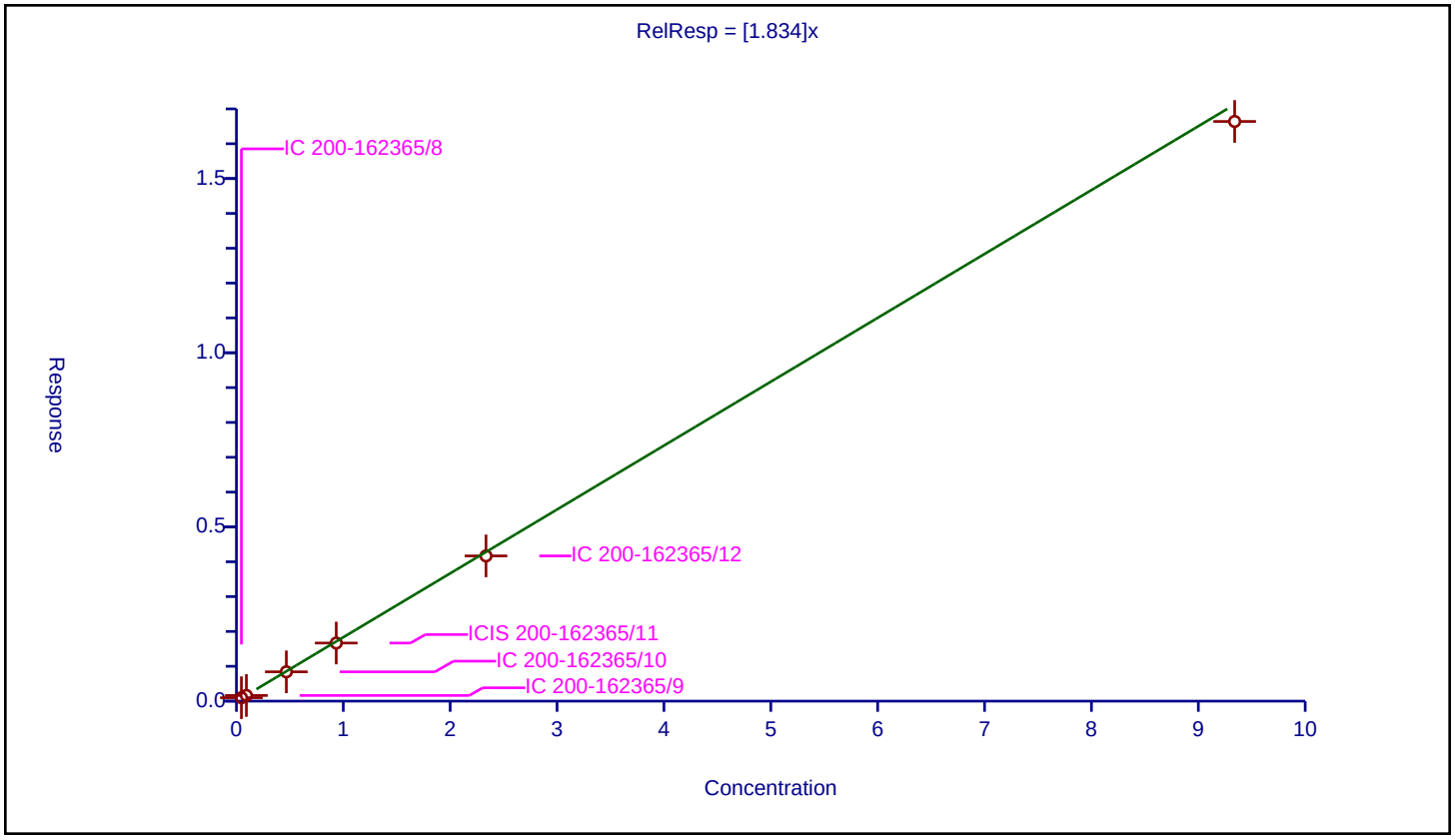
Curve Coefficients

Intercept:	0
Slope:	1.834

Error Coefficients

Standard Error:	581000
Relative Standard Error:	7.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.0467	0.098521	1.1675	87206.0	2.10966	Y
2	IC 200-162365/9	0.0934	0.162478	1.1675	113101.0	1.739596	Y
3	IC 200-162365/10	0.467	0.841177	1.1675	85984.0	1.801236	Y
4	ICIS 200-162365/11	0.934	1.667486	1.1675	86339.0	1.785317	Y
5	IC 200-162365/12	2.335	4.168377	1.1675	85003.0	1.785172	Y
6	IC 200-162365/13	9.34	16.638782	1.1675	88021.0	1.781454	Y



Calibration / Perfluorohexanoic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

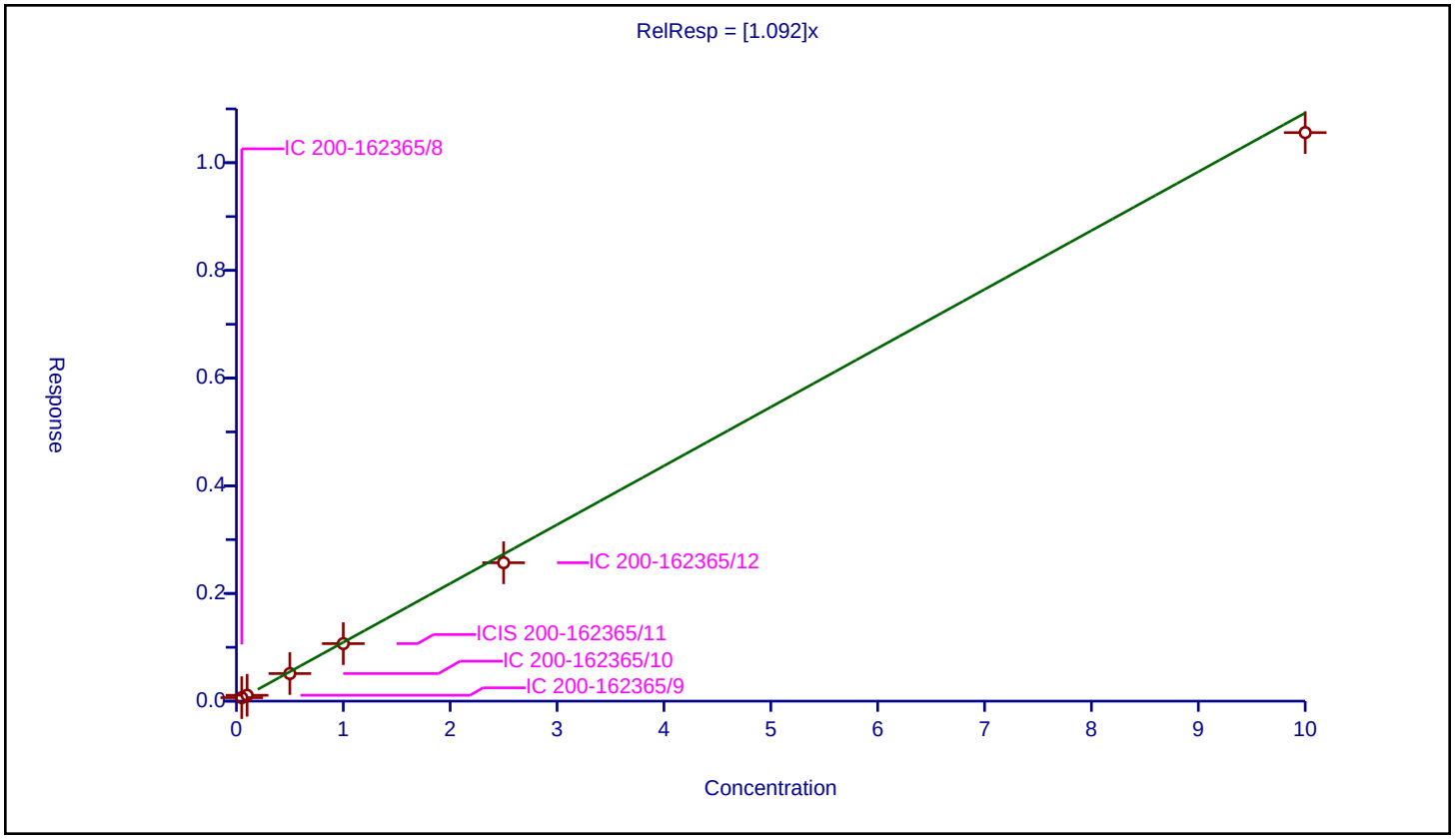
Curve Coefficients

Intercept:	0
Slope:	1.092

Error Coefficients

Standard Error:	3400000
Relative Standard Error:	9.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.05	0.064447	1.25	908776.0	1.288931	Y
2	IC 200-162365/9	0.1	0.108929	1.25	1097468.0	1.089291	Y
3	IC 200-162365/10	0.5	0.512061	1.25	903699.0	1.024121	Y
4	ICIS 200-162365/11	1.0	1.068085	1.25	895585.0	1.068085	Y
5	IC 200-162365/12	2.5	2.570832	1.25	894513.0	1.028333	Y
6	IC 200-162365/13	10.0	10.559204	1.25	866171.0	1.05592	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

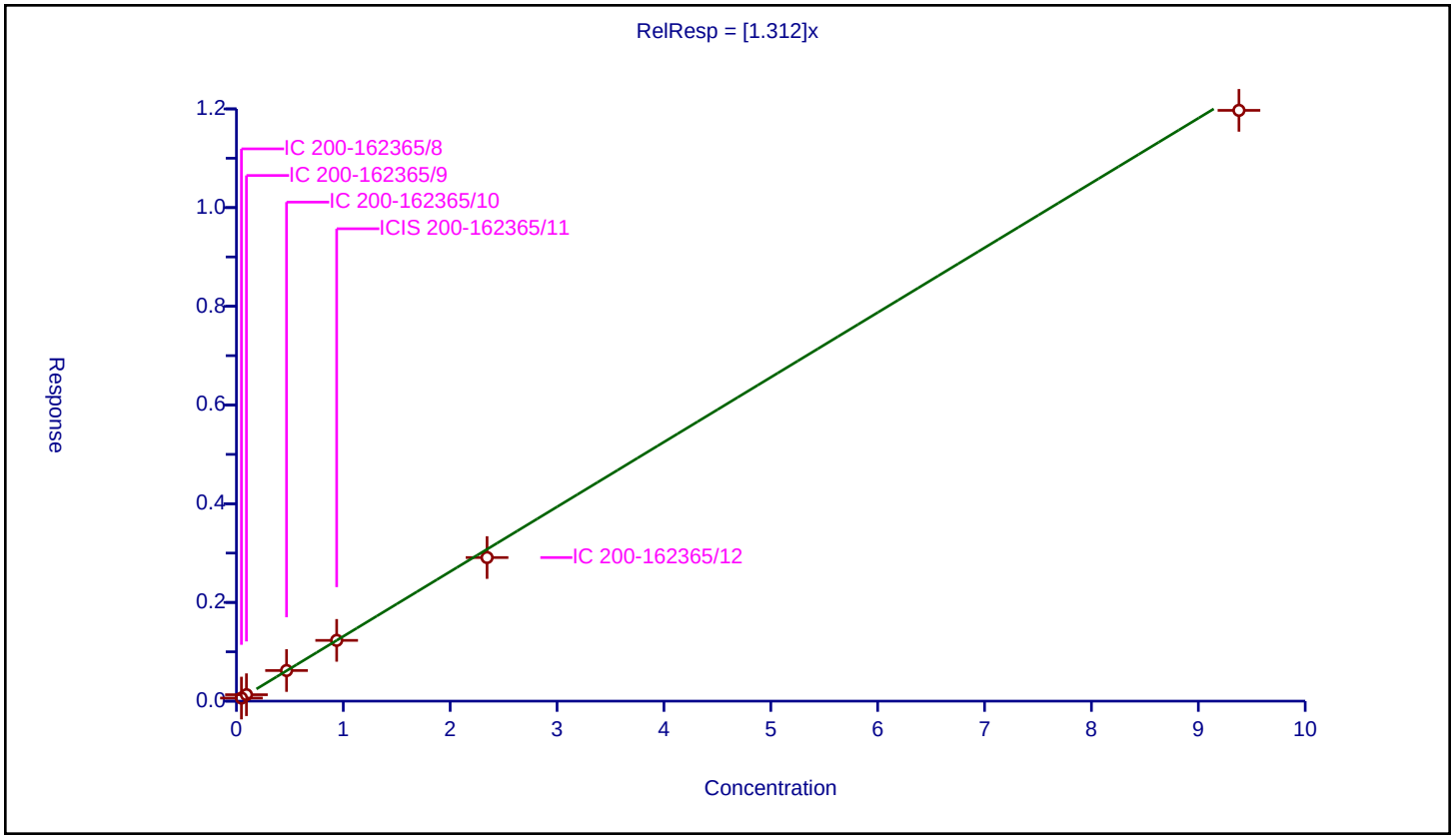
Curve Coefficients

Intercept:	0
Slope:	1.312

Error Coefficients

Standard Error:	3750000
Relative Standard Error:	3.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.0469	0.062457	1.1825	822695.0	1.331709	Y
2	IC 200-162365/9	0.0938	0.130386	1.1825	956077.0	1.390044	Y
3	IC 200-162365/10	0.469	0.620386	1.1825	772740.0	1.322785	Y
4	ICIS 200-162365/11	0.938	1.231107	1.1825	769056.0	1.31248	Y
5	IC 200-162365/12	2.345	2.909633	1.1825	794776.0	1.240782	Y
6	IC 200-162365/13	9.38	11.970309	1.1825	801639.0	1.276152	Y



Calibration / Perfluoro(2-propoxypropanoic) acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

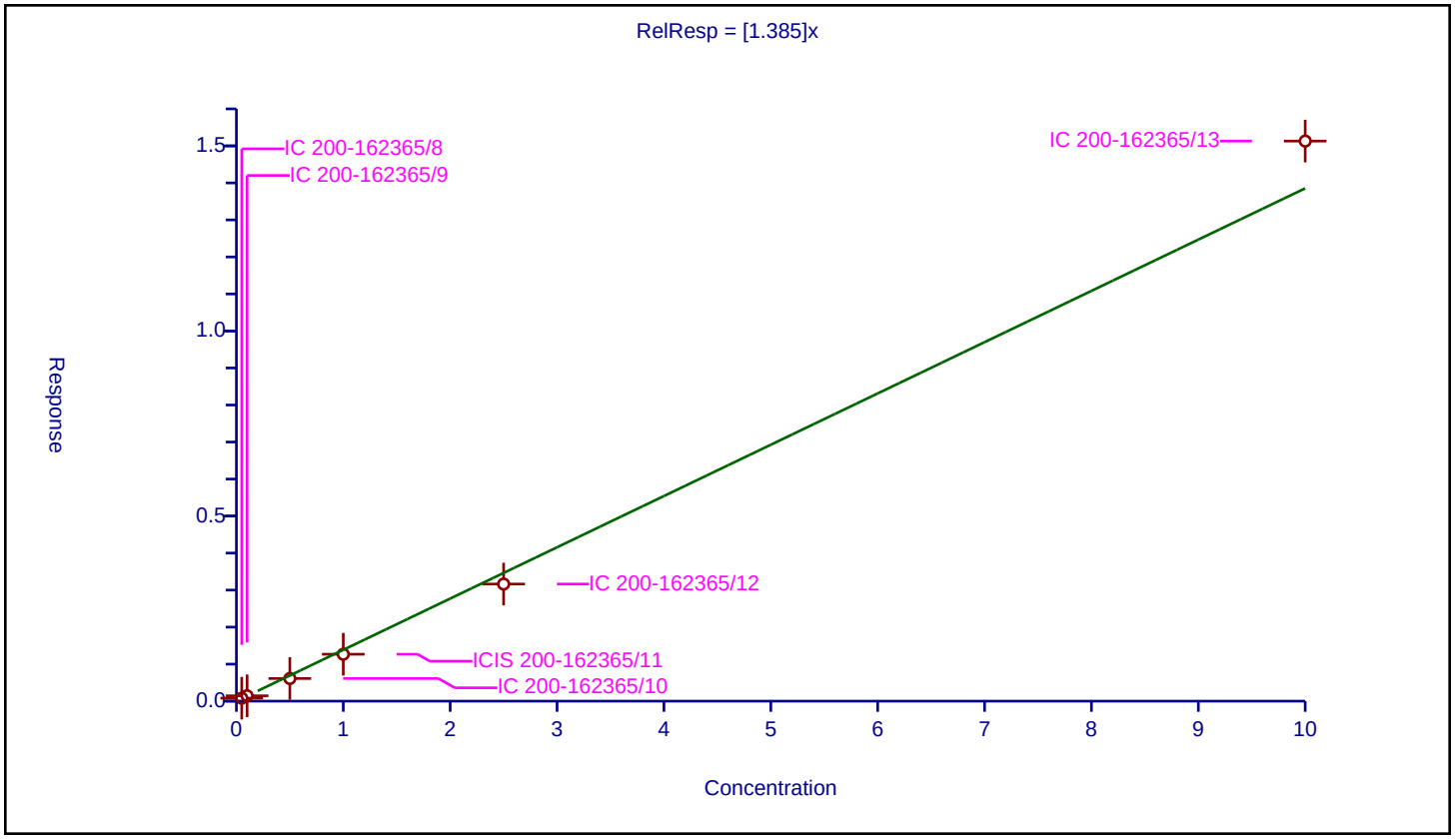
Curve Coefficients

Intercept:	0
Slope:	1.385

Error Coefficients

Standard Error:	782000
Relative Standard Error:	11.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.05	0.080143	1.25	155222.0	1.602866	Y
2	IC 200-162365/9	0.1	0.143947	1.25	185233.0	1.439471	Y
3	IC 200-162365/10	0.5	0.611974	1.25	172775.0	1.223947	Y
4	ICIS 200-162365/11	1.0	1.26779	1.25	167297.0	1.26779	Y
5	IC 200-162365/12	2.5	3.163211	1.25	158496.0	1.265284	Y
6	IC 200-162365/13	10.0	15.129727	1.25	139707.0	1.512973	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

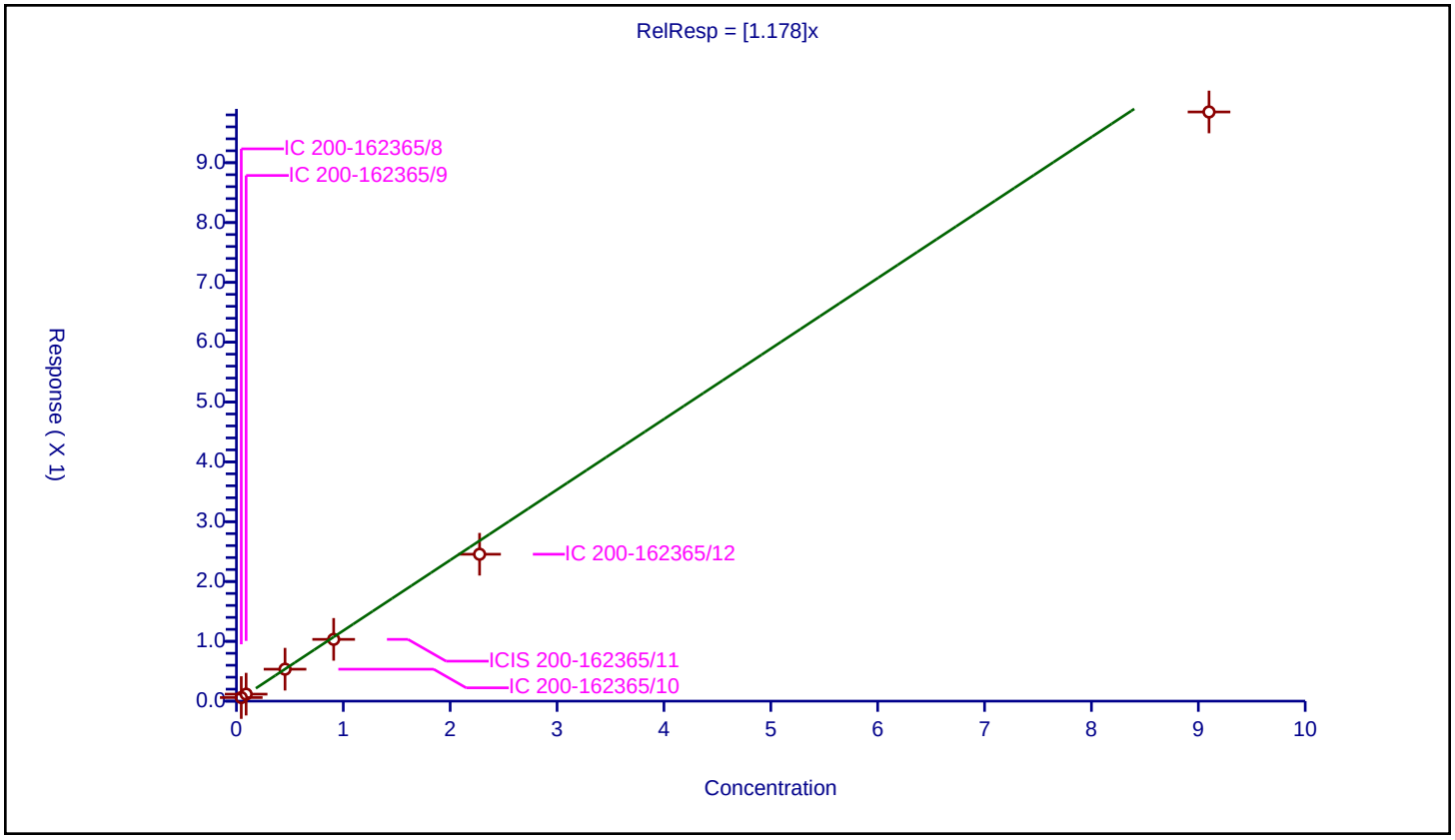
Curve Coefficients

Intercept:	0
Slope:	1.178

Error Coefficients

Standard Error:	3090000
Relative Standard Error:	8.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.0455	0.059891	1.1825	822695.0	1.316296	Y
2	IC 200-162365/9	0.091	0.11689	1.1825	956077.0	1.284504	Y
3	IC 200-162365/10	0.455	0.534038	1.1825	772740.0	1.17371	Y
4	ICIS 200-162365/11	0.91	1.032607	1.1825	769056.0	1.134733	Y
5	IC 200-162365/12	2.275	2.455569	1.1825	794776.0	1.079371	Y
6	IC 200-162365/13	9.1	9.848762	1.1825	801639.0	1.082282	Y



Calibration / Perfluoroheptanoic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

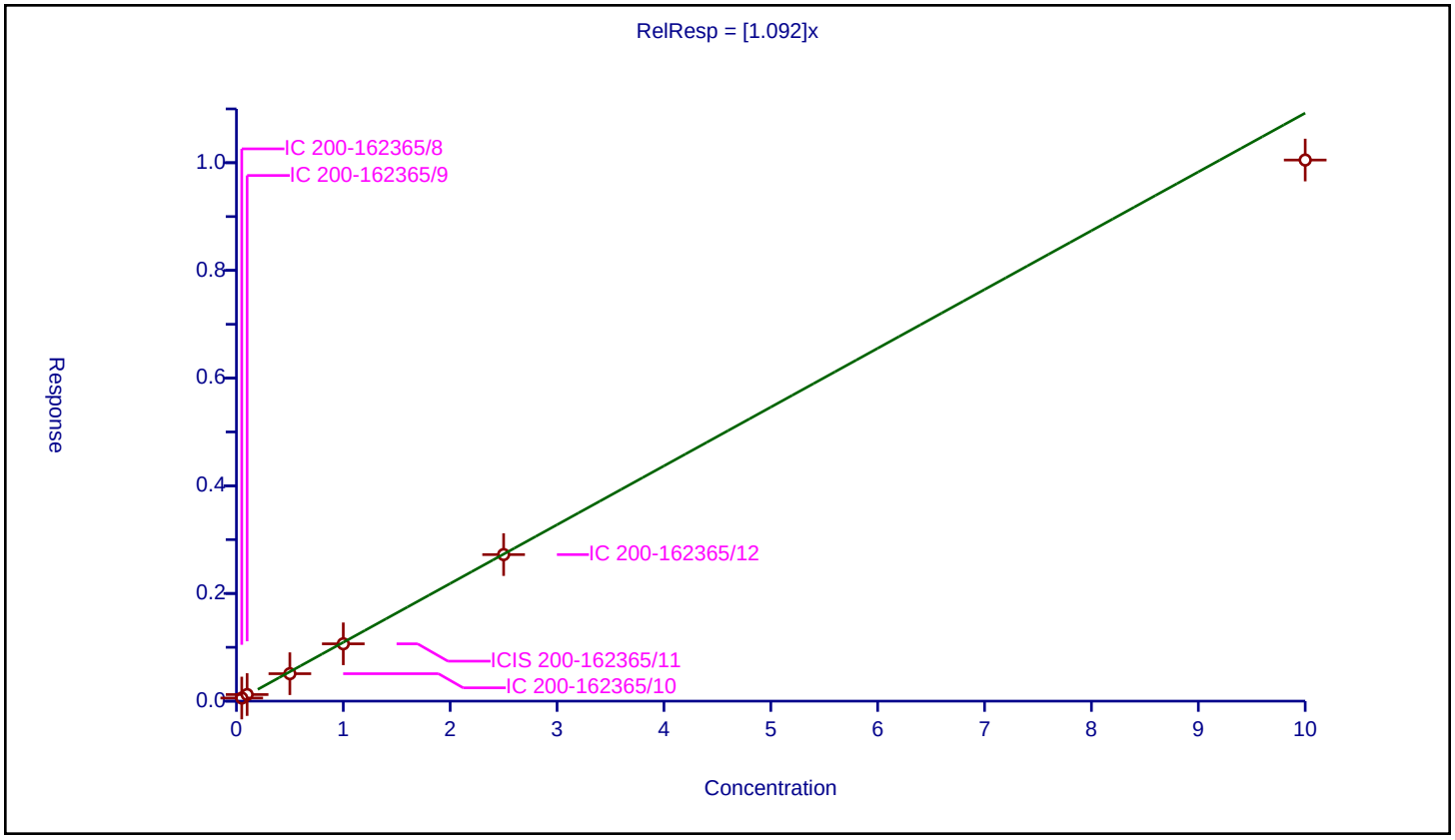
Curve Coefficients

Intercept:	0
Slope:	1.092

Error Coefficients

Standard Error:	3240000
Relative Standard Error:	7.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.05	0.057494	1.25	853376.0	1.149874	Y
2	IC 200-162365/9	0.1	0.122479	1.25	1019298.0	1.224789	Y
3	IC 200-162365/10	0.5	0.509961	1.25	892830.0	1.019923	Y
4	ICIS 200-162365/11	1.0	1.064909	1.25	849594.0	1.064909	Y
5	IC 200-162365/12	2.5	2.721915	1.25	838035.0	1.088766	Y
6	IC 200-162365/13	10.0	10.050283	1.25	866766.0	1.005028	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

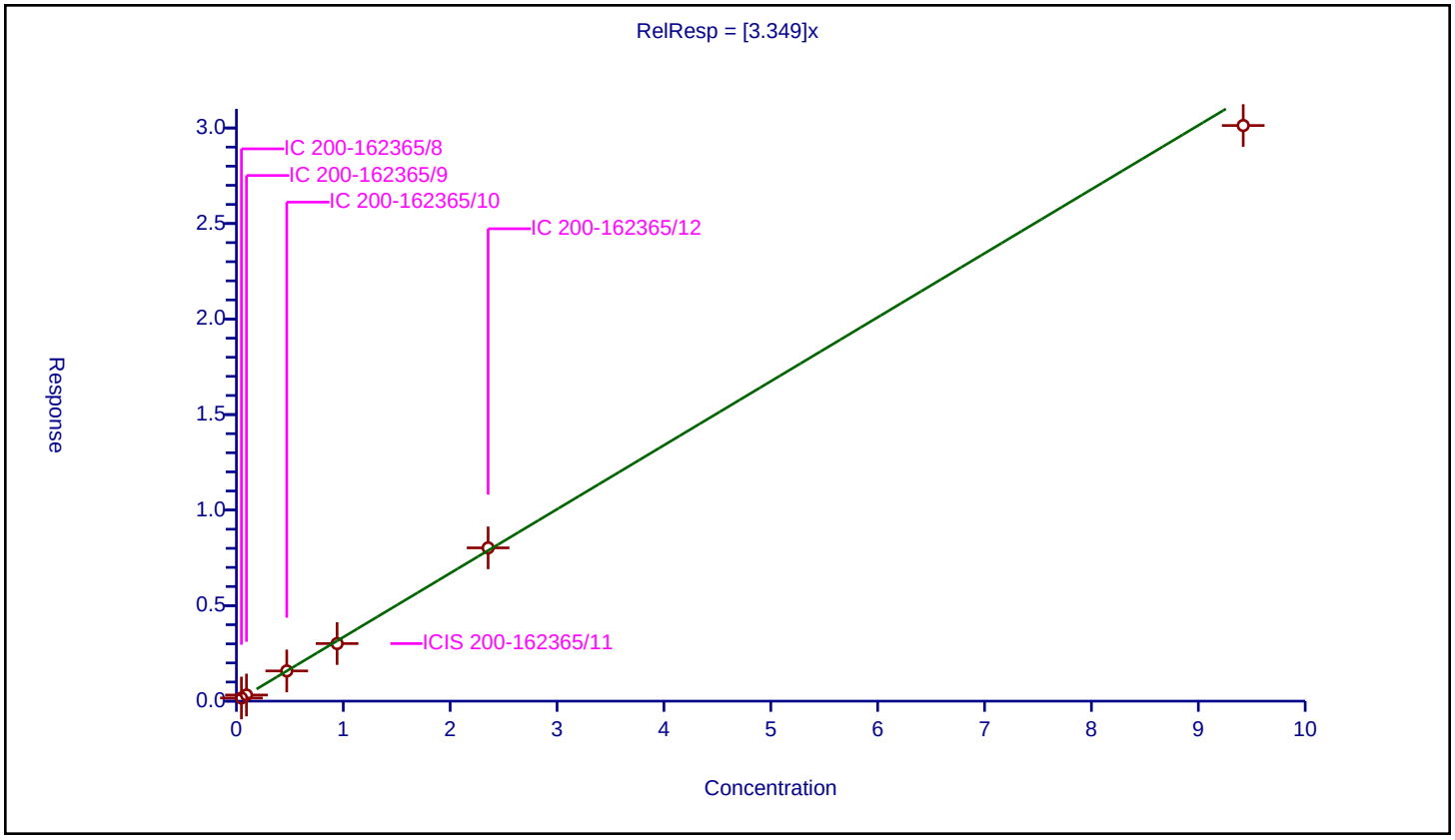
Curve Coefficients

Intercept:	0
Slope:	3.349

Error Coefficients

Standard Error:	6470000
Relative Standard Error:	3.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.0471	0.165785	1.195	552776.0	3.519859	Y
2	IC 200-162365/9	0.0942	0.321191	1.195	682230.0	3.409668	Y
3	IC 200-162365/10	0.471	1.581185	1.195	543196.0	3.35708	Y
4	ICIS 200-162365/11	0.942	3.013665	1.195	554310.0	3.19922	Y
5	IC 200-162365/12	2.355	8.023155	1.195	529467.0	3.40686	Y
6	IC 200-162365/13	9.42	30.130557	1.195	552420.0	3.198573	Y



Calibration / Perfluoroheptanesulfonic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

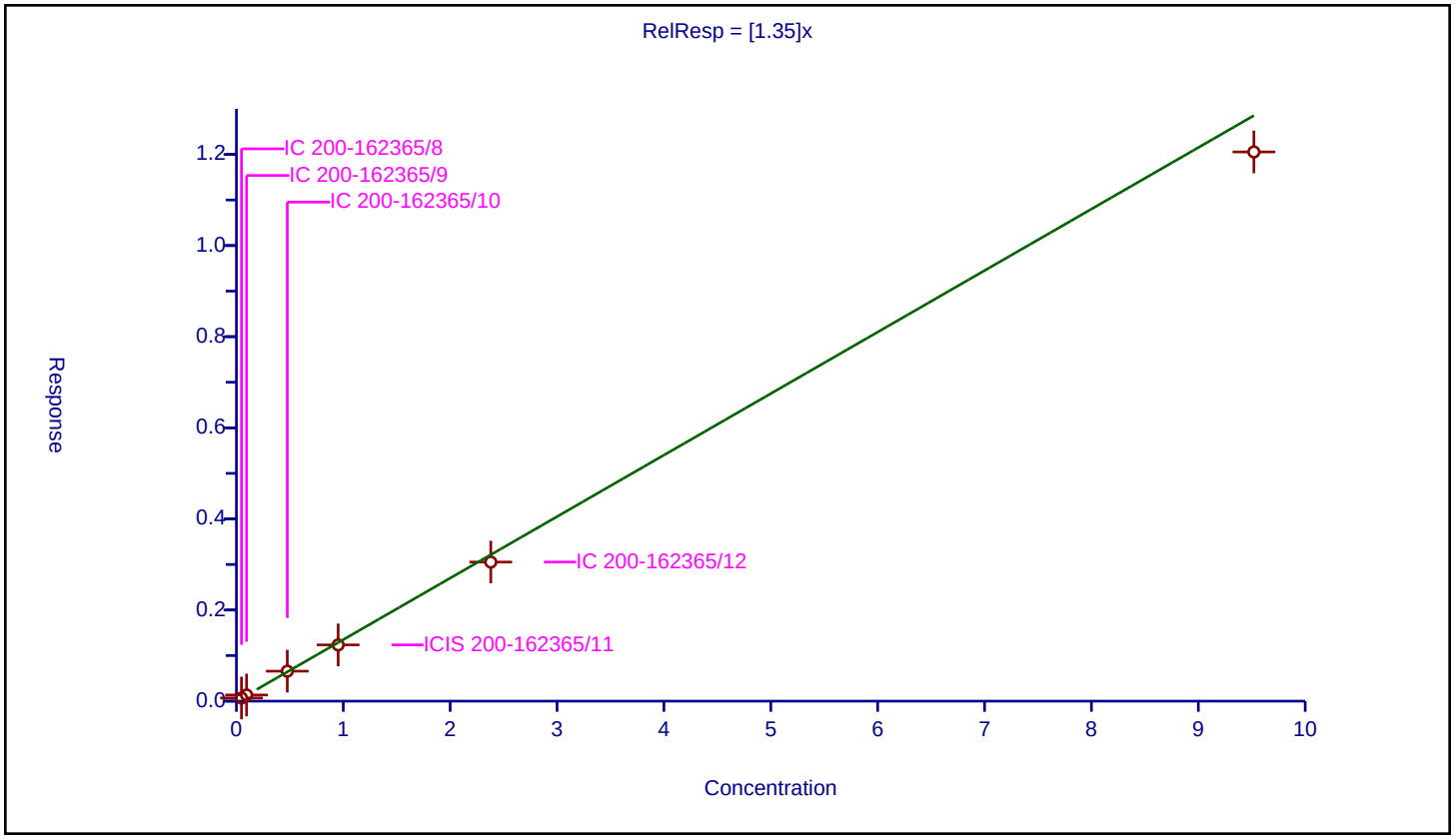
Curve Coefficients

Intercept:	0
Slope:	1.35

Error Coefficients

Standard Error:	2580000
Relative Standard Error:	5.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.0476	0.069098	1.195	552776.0	1.451641	Y
2	IC 200-162365/9	0.0952	0.135273	1.195	682230.0	1.420937	Y
3	IC 200-162365/10	0.476	0.658168	1.195	543196.0	1.382705	Y
4	ICIS 200-162365/11	0.952	1.234637	1.195	554310.0	1.296888	Y
5	IC 200-162365/12	2.38	3.052432	1.195	529467.0	1.282535	Y
6	IC 200-162365/13	9.52	12.055482	1.195	552420.0	1.266332	Y



Calibration / 1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

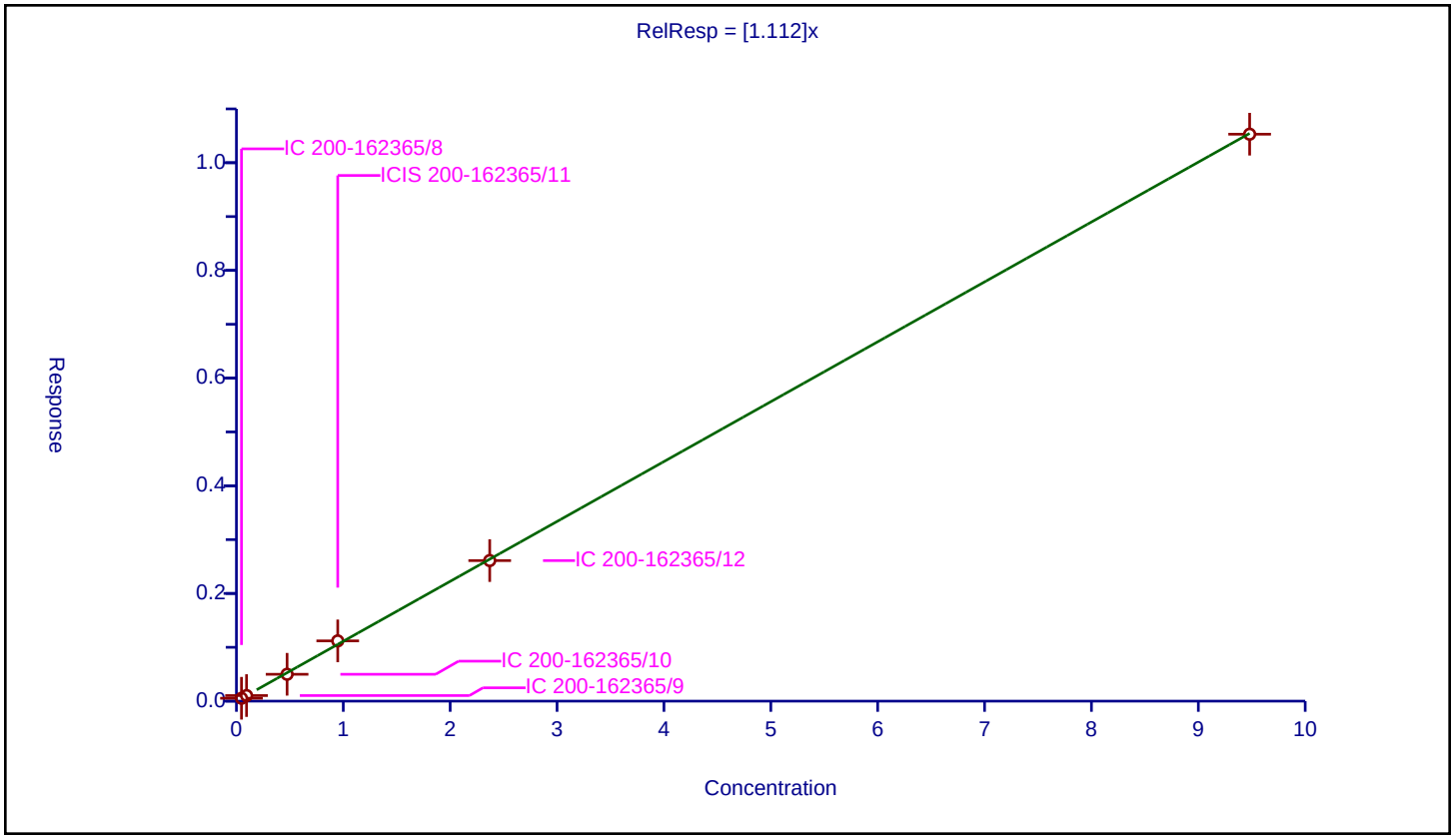
Curve Coefficients

Intercept:	0
Slope:	1.112

Error Coefficients

Standard Error:	397000
Relative Standard Error:	3.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.0474	0.053813	1.1875	100493.0	1.135305	Y
2	IC 200-162365/9	0.0948	0.103691	1.1875	122975.0	1.093785	Y
3	IC 200-162365/10	0.474	0.498705	1.1875	102545.0	1.05212	Y
4	ICIS 200-162365/11	0.948	1.119118	1.1875	96952.0	1.180504	Y
5	IC 200-162365/12	2.37	2.61081	1.1875	97655.0	1.101607	Y
6	IC 200-162365/13	9.48	10.52992	1.1875	96331.0	1.110751	Y



Calibration / Perfluorooctanoic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

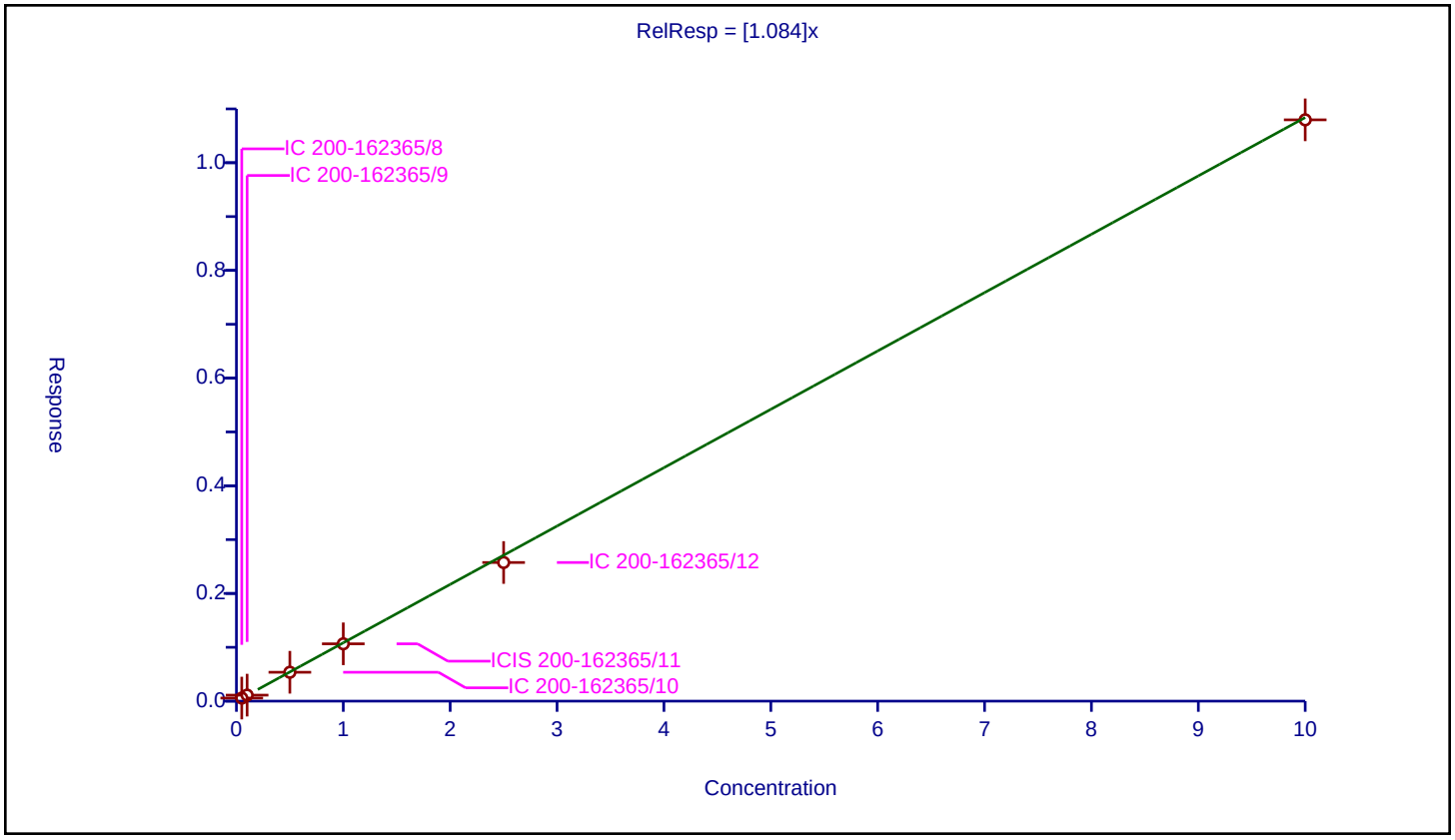
Curve Coefficients

Intercept:	0
Slope:	1.084

Error Coefficients

Standard Error:	3360000
Relative Standard Error:	3.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.05	0.057025	1.25	889146.0	1.140504	Y
2	IC 200-162365/9	0.1	0.111632	1.25	1101215.0	1.116324	Y
3	IC 200-162365/10	0.5	0.536251	1.25	857479.0	1.072501	Y
4	ICIS 200-162365/11	1.0	1.064682	1.25	869201.0	1.064682	Y
5	IC 200-162365/12	2.5	2.575243	1.25	862938.0	1.030097	Y
6	IC 200-162365/13	10.0	10.79653	1.25	839703.0	1.079653	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

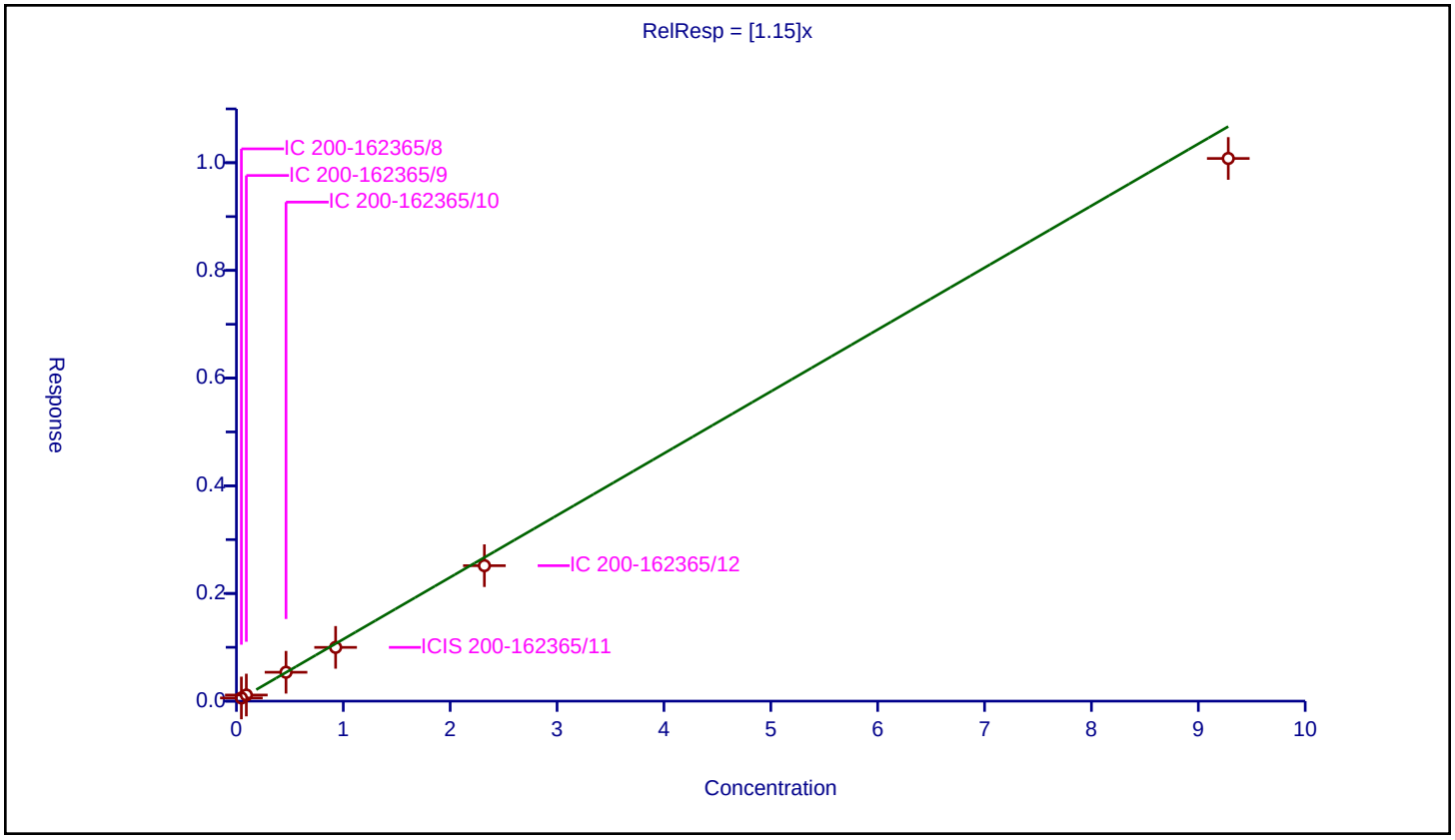
Curve Coefficients

Intercept:	0
Slope:	1.15

Error Coefficients

Standard Error:	2160000
Relative Standard Error:	7.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.0464	0.059069	1.195	552776.0	1.273049	Y
2	IC 200-162365/9	0.0928	0.113702	1.195	682230.0	1.225239	Y
3	IC 200-162365/10	0.464	0.536254	1.195	543196.0	1.155719	Y
4	ICIS 200-162365/11	0.928	0.998526	1.195	554310.0	1.075998	Y
5	IC 200-162365/12	2.32	2.515978	1.195	529467.0	1.084473	Y
6	IC 200-162365/13	9.28	10.079203	1.195	552420.0	1.086121	Y



Calibration / Perfluorononanoic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

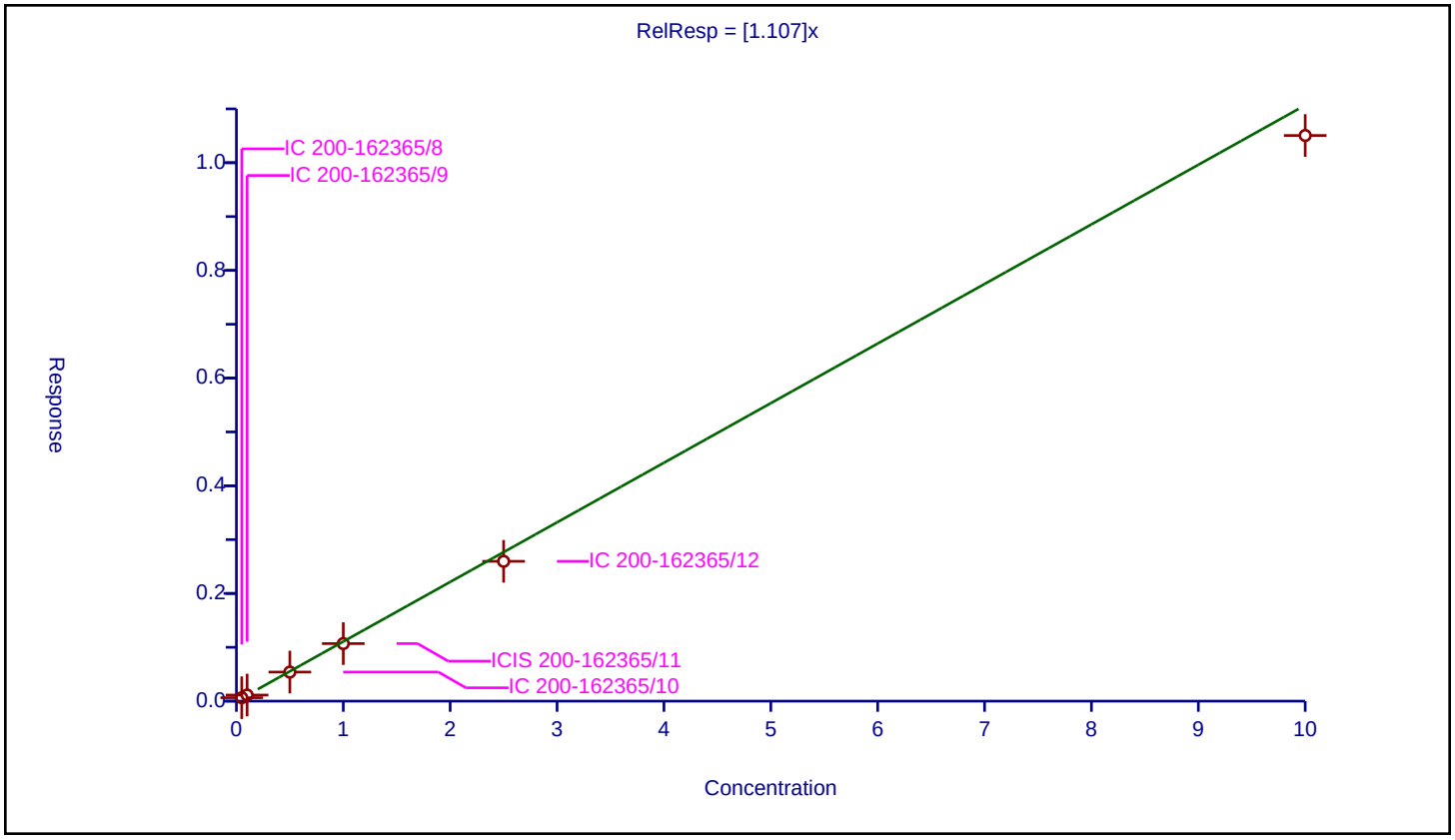
Curve Coefficients

Intercept:	0
Slope:	1.107

Error Coefficients

Standard Error:	2880000
Relative Standard Error:	7.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.05	0.063599	1.25	787744.0	1.271987	Y
2	IC 200-162365/9	0.1	0.113142	1.25	964938.0	1.13142	Y
3	IC 200-162365/10	0.5	0.539829	1.25	772347.0	1.079657	Y
4	ICIS 200-162365/11	1.0	1.068826	1.25	760016.0	1.068826	Y
5	IC 200-162365/12	2.5	2.596817	1.25	756323.0	1.038727	Y
6	IC 200-162365/13	10.0	10.50595	1.25	738168.0	1.050595	Y



Calibration / 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

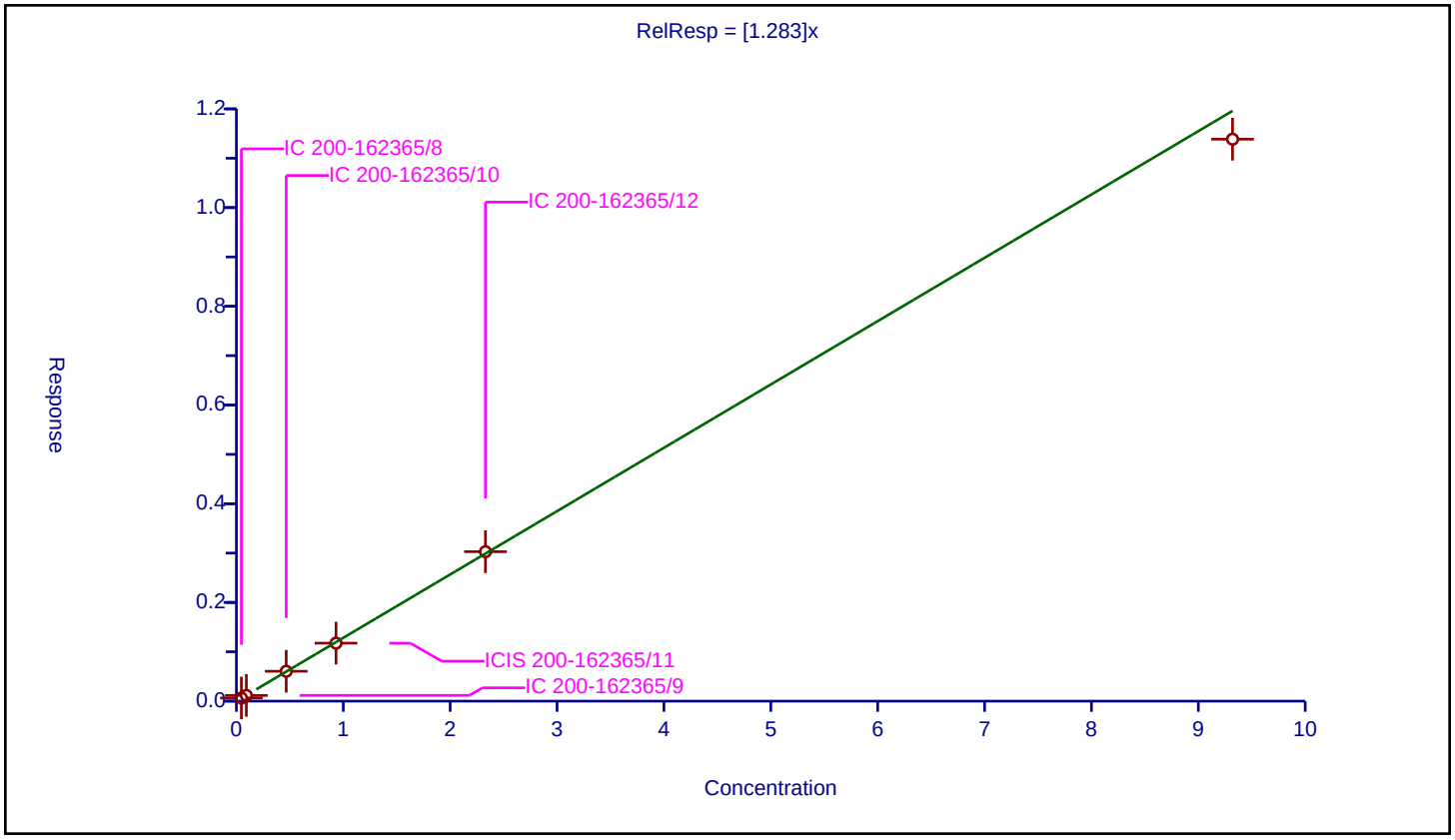
Curve Coefficients

Intercept:	0
Slope:	1.283

Error Coefficients

Standard Error:	2440000
Relative Standard Error:	4.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.0466	0.064139	1.195	552776.0	1.376372	Y
2	IC 200-162365/9	0.0932	0.115711	1.195	682230.0	1.241537	Y
3	IC 200-162365/10	0.466	0.605374	1.195	543196.0	1.299085	Y
4	ICIS 200-162365/11	0.932	1.175263	1.195	554310.0	1.261012	Y
5	IC 200-162365/12	2.33	3.028048	1.195	529467.0	1.299591	Y
6	IC 200-162365/13	9.32	11.385753	1.195	552420.0	1.221647	Y



Calibration / Perfluorononanesulfonic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

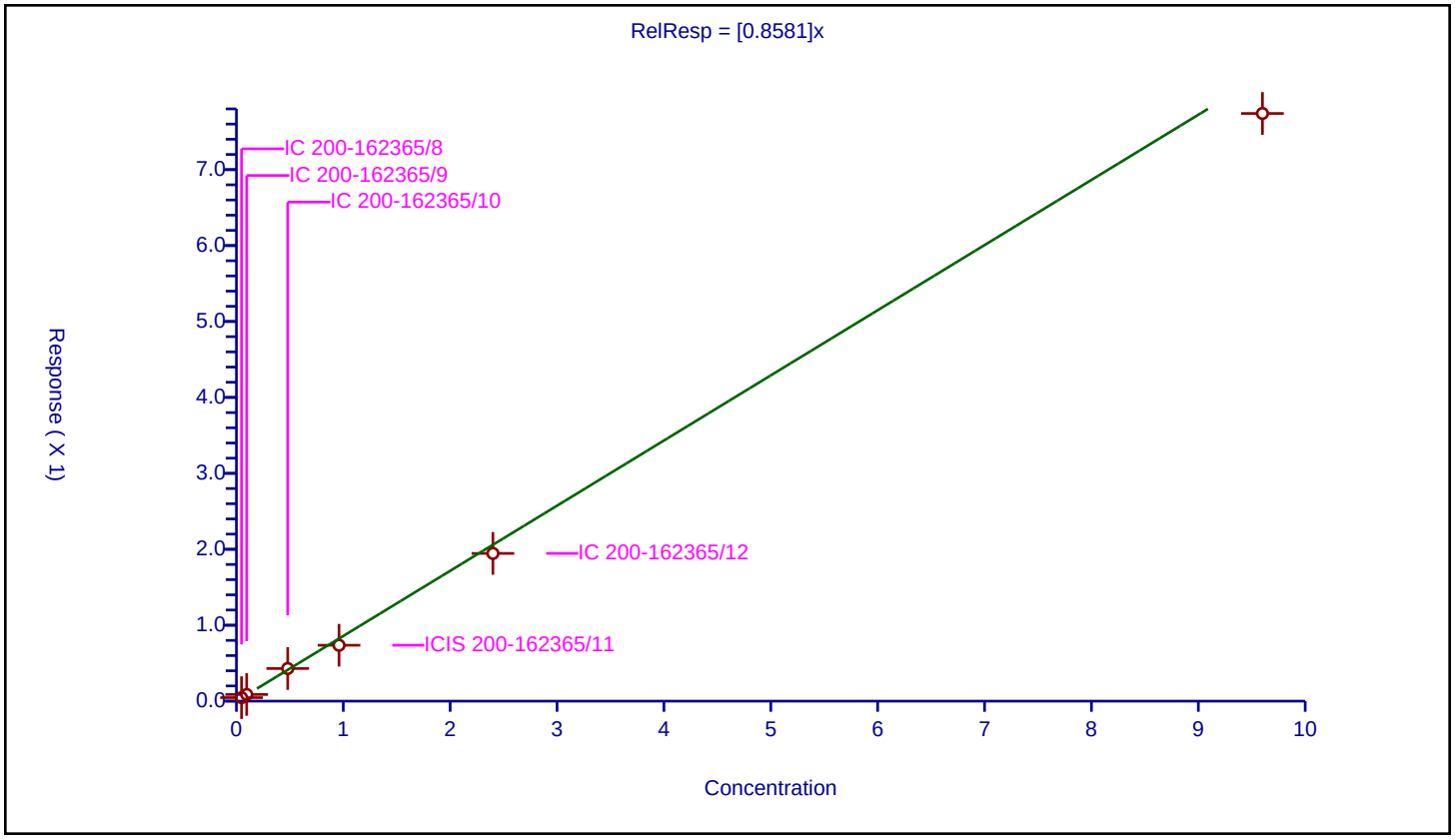
Curve Coefficients

Intercept:	0
Slope:	0.8581

Error Coefficients

Standard Error:	1660000
Relative Standard Error:	8.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.048	0.04596	1.195	552776.0	0.957504	Y
2	IC 200-162365/9	0.096	0.08757	1.195	682230.0	0.912187	Y
3	IC 200-162365/10	0.48	0.429686	1.195	543196.0	0.89518	Y
4	ICIS 200-162365/11	0.96	0.735984	1.195	554310.0	0.76665	Y
5	IC 200-162365/12	2.4	1.945629	1.195	529467.0	0.810679	Y
6	IC 200-162365/13	9.6	7.739554	1.195	552420.0	0.806203	Y



Calibration / Perfluorodecanoic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

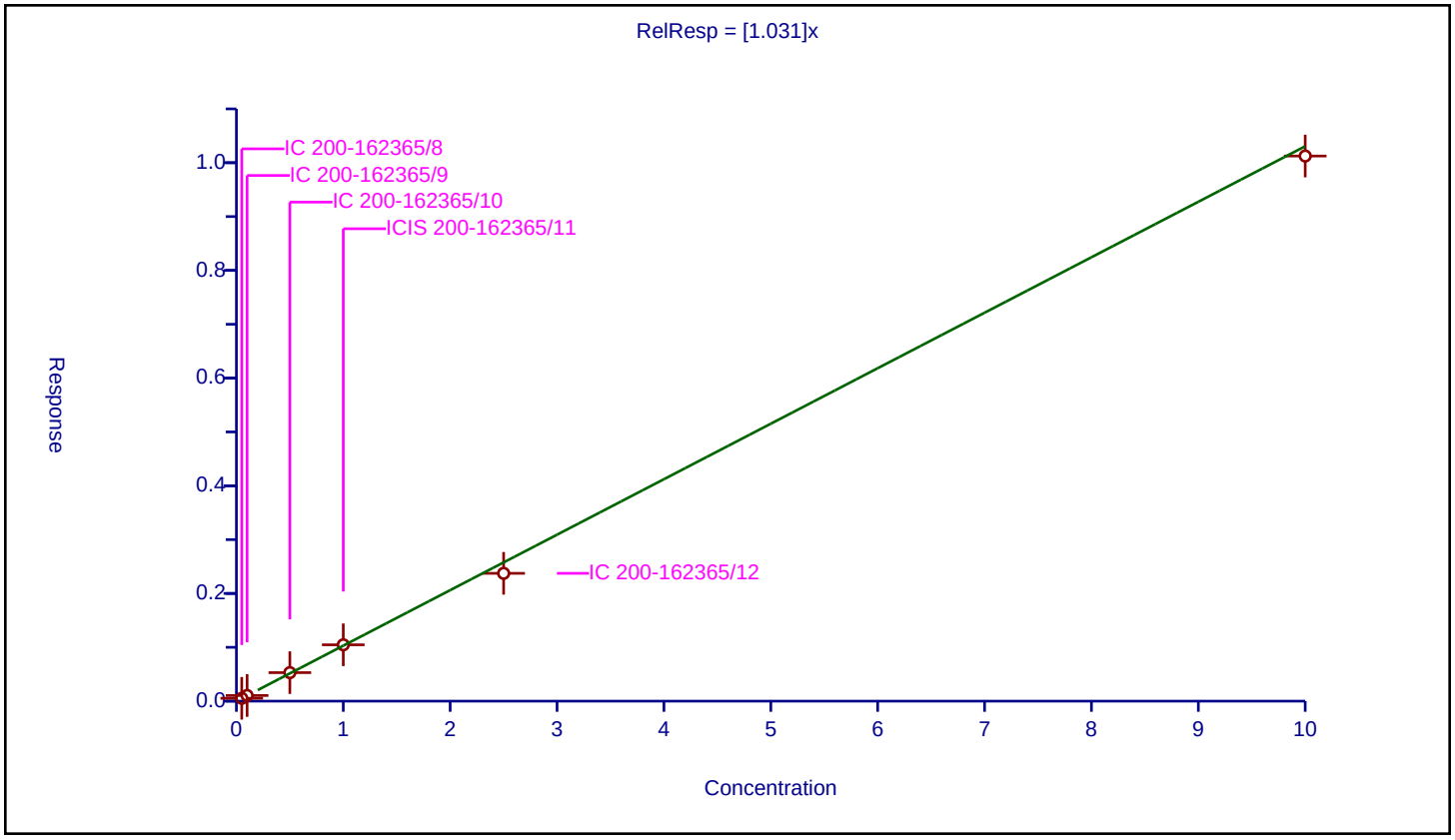
Curve Coefficients

Intercept:	0
Slope:	1.031

Error Coefficients

Standard Error:	2630000
Relative Standard Error:	4.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.05	0.053418	1.25	741582.0	1.068358	Y
2	IC 200-162365/9	0.1	0.104683	1.25	926205.0	1.046825	Y
3	IC 200-162365/10	0.5	0.52973	1.25	721858.0	1.05946	Y
4	ICIS 200-162365/11	1.0	1.04663	1.25	722168.0	1.04663	Y
5	IC 200-162365/12	2.5	2.373518	1.25	760056.0	0.949407	Y
6	IC 200-162365/13	10.0	10.12465	1.25	699346.0	1.012465	Y



Calibration / 1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

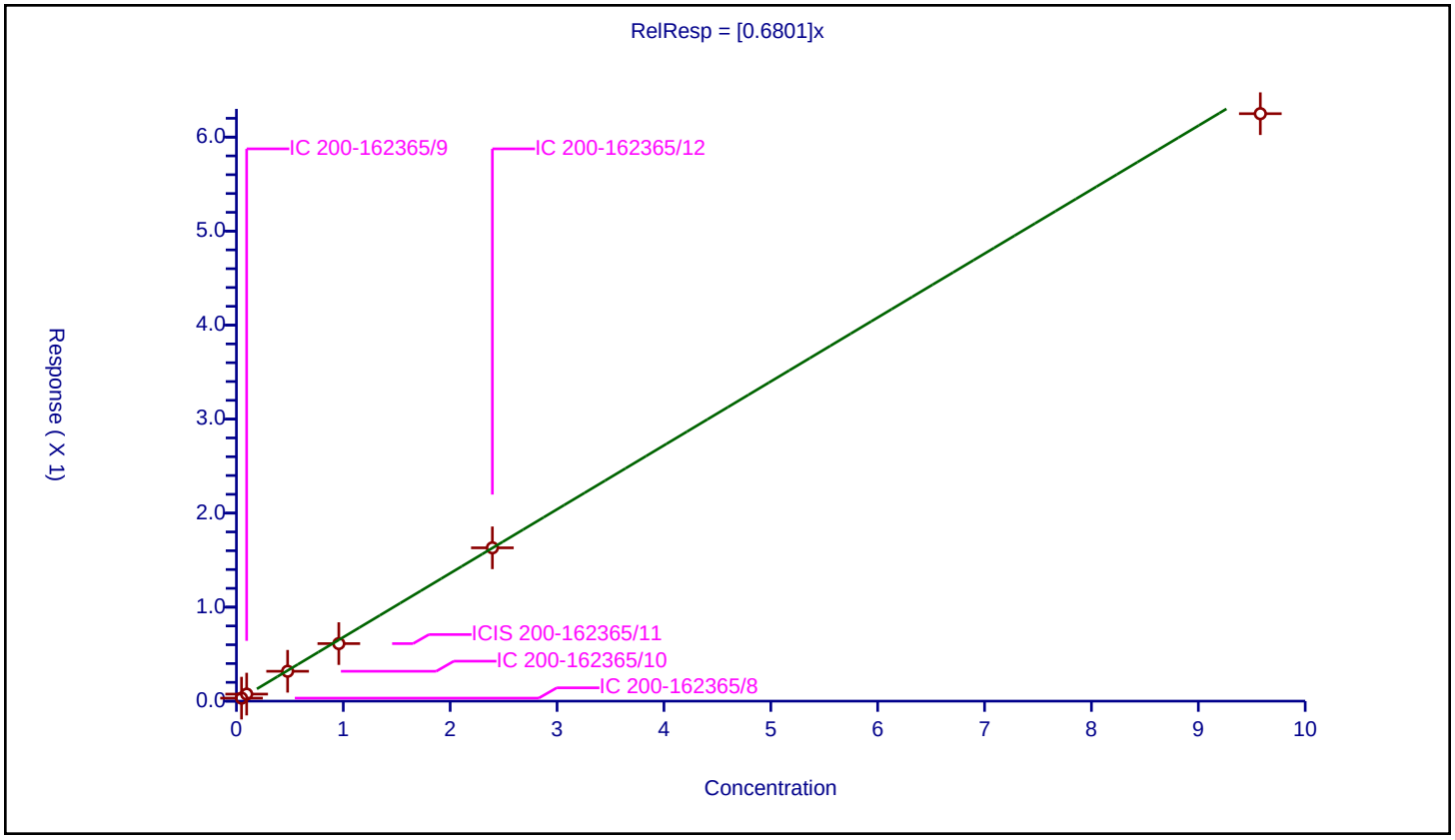
Curve Coefficients

Intercept:	0
Slope:	0.6801

Error Coefficients

Standard Error:	255000
Relative Standard Error:	7.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.0479	0.031824	1.1975	107657.0	0.664379	Y
2	IC 200-162365/9	0.0958	0.074804	1.1975	125650.0	0.78084	Y
3	IC 200-162365/10	0.479	0.317736	1.1975	100274.0	0.663332	Y
4	ICIS 200-162365/11	0.958	0.611973	1.1975	100569.0	0.638803	Y
5	IC 200-162365/12	2.395	1.631041	1.1975	101608.0	0.681019	Y
6	IC 200-162365/13	9.58	6.249065	1.1975	105624.0	0.652303	Y



Calibration / Perfluorooctanesulfonamide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

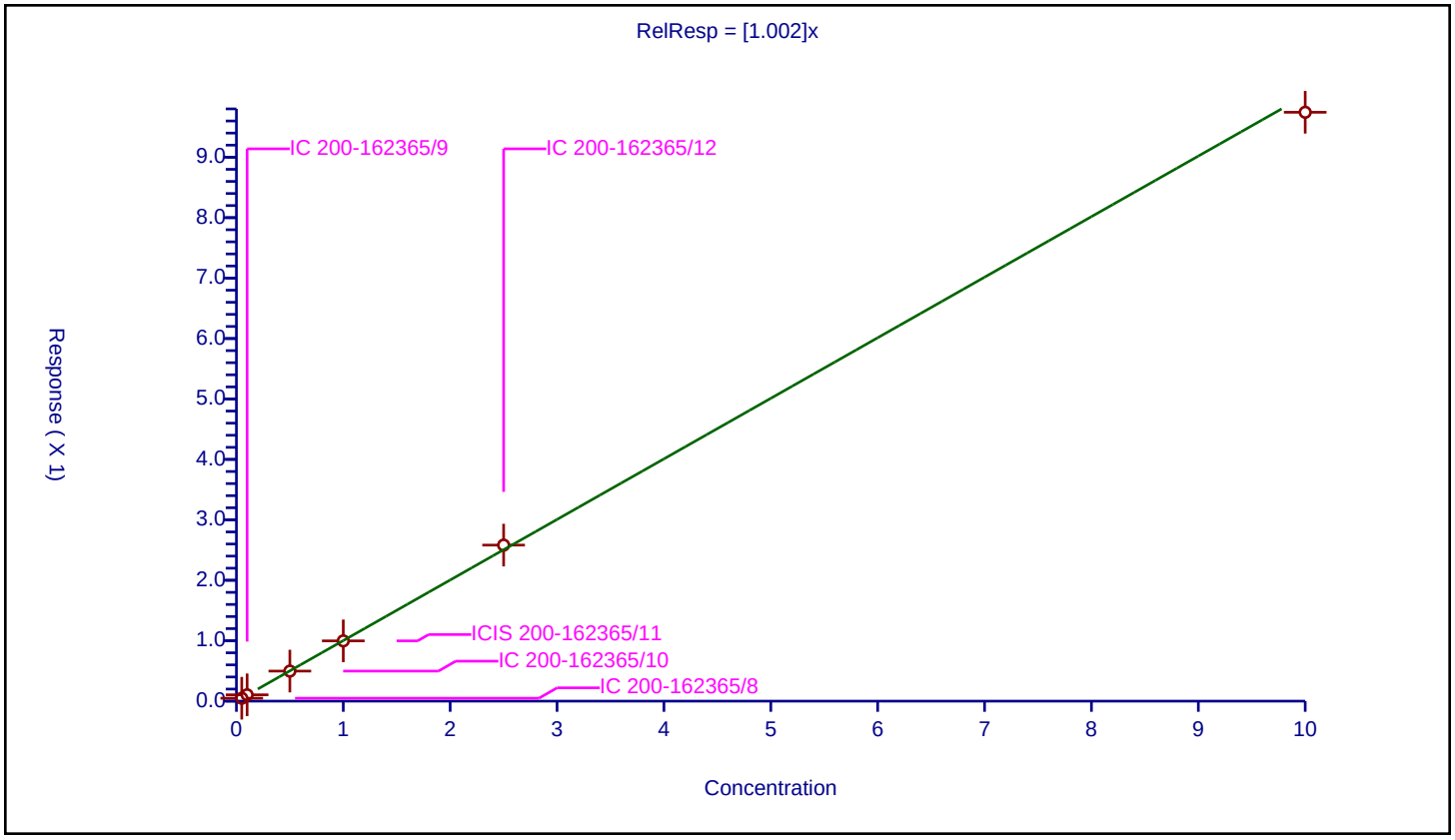
Curve Coefficients

Intercept:	0
Slope:	1.002

Error Coefficients

Standard Error:	4020000
Relative Standard Error:	3.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.05	0.048315	1.25	1076815.0	0.966299	Y
2	IC 200-162365/9	0.1	0.104776	1.25	1350960.0	1.047764	Y
3	IC 200-162365/10	0.5	0.497311	1.25	1063884.0	0.994622	Y
4	ICIS 200-162365/11	1.0	0.996983	1.25	1069567.0	0.996983	Y
5	IC 200-162365/12	2.5	2.581919	1.25	1040920.0	1.032768	Y
6	IC 200-162365/13	10.0	9.744193	1.25	1111429.0	0.974419	Y



Calibration / N-methylperfluorooctanesulfonamidoacetic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

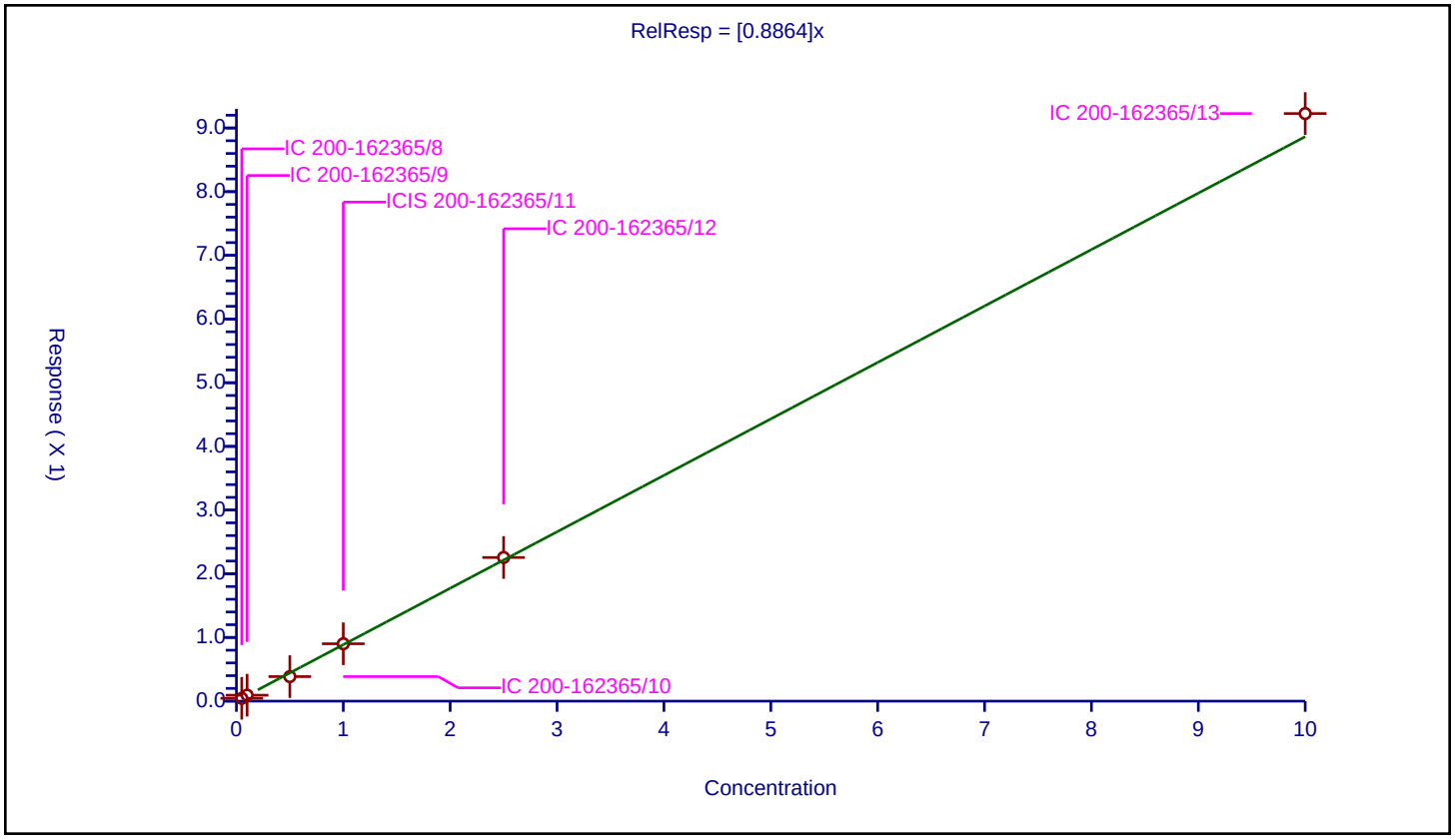
Curve Coefficients

Intercept:	0
Slope:	0.8864

Error Coefficients

Standard Error:	180000
Relative Standard Error:	6.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.05	0.044418	1.25	49895.0	0.888366	Y
2	IC 200-162365/9	0.1	0.093329	1.25	69887.0	0.933292	Y
3	IC 200-162365/10	0.5	0.385302	1.25	54321.0	0.770604	Y
4	ICIS 200-162365/11	1.0	0.900963	1.25	52781.0	0.900963	Y
5	IC 200-162365/12	2.5	2.255769	1.25	52266.0	0.902307	Y
6	IC 200-162365/13	10.0	9.226693	1.25	52838.0	0.922669	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

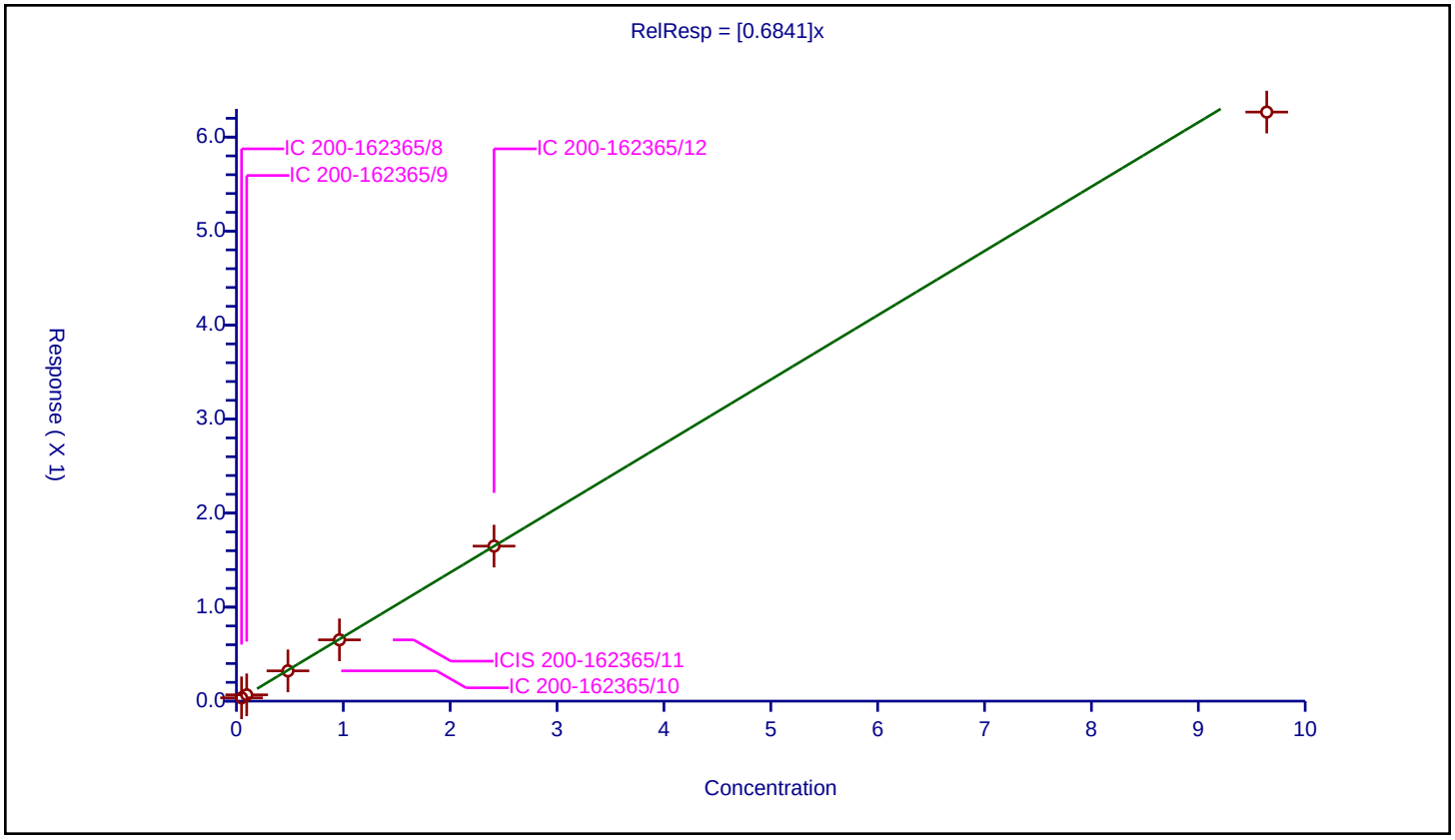
Curve Coefficients

Intercept:	0
Slope:	0.6841

Error Coefficients

Standard Error:	1340000
Relative Standard Error:	4.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.0482	0.035222	1.195	552776.0	0.730757	Y
2	IC 200-162365/9	0.0964	0.06701	1.195	682230.0	0.69512	Y
3	IC 200-162365/10	0.482	0.321957	1.195	543196.0	0.667961	Y
4	ICIS 200-162365/11	0.964	0.651984	1.195	554310.0	0.676332	Y
5	IC 200-162365/12	2.41	1.64916	1.195	529467.0	0.684299	Y
6	IC 200-162365/13	9.64	6.266194	1.195	552420.0	0.65002	Y



Calibration / Perfluoroundecanoic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

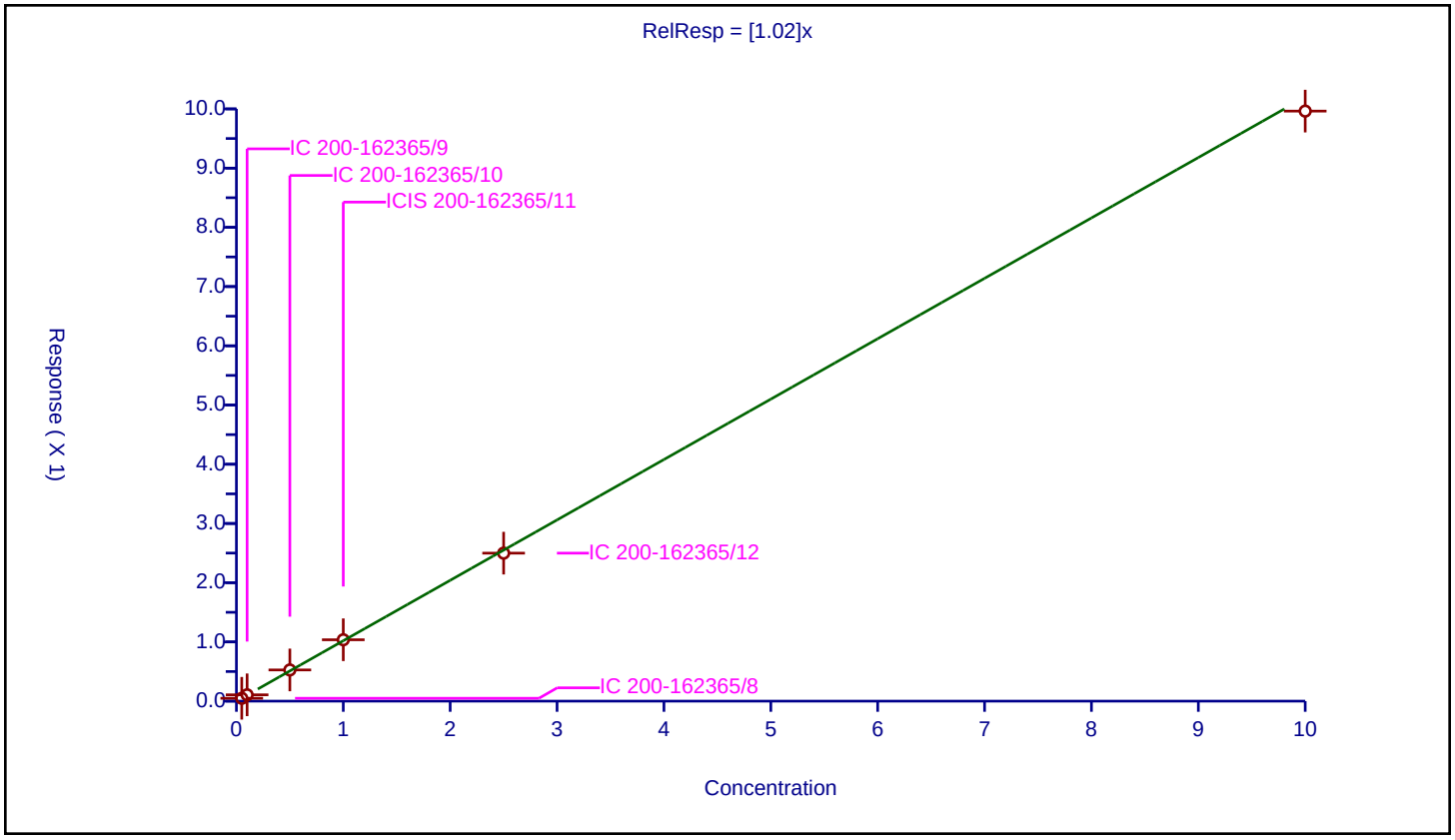
Curve Coefficients

Intercept:	0
Slope:	1.02

Error Coefficients

Standard Error:	2180000
Relative Standard Error:	3.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.05	0.048267	1.25	632709.0	0.965333	Y
2	IC 200-162365/9	0.1	0.10681	1.25	753171.0	1.068101	Y
3	IC 200-162365/10	0.5	0.526686	1.25	580063.0	1.053373	Y
4	ICIS 200-162365/11	1.0	1.036476	1.25	595523.0	1.036476	Y
5	IC 200-162365/12	2.5	2.49874	1.25	601281.0	0.999496	Y
6	IC 200-162365/13	10.0	9.962572	1.25	589898.0	0.996257	Y



Calibration / N-ethylperfluorooctanesulfonamidoacetic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

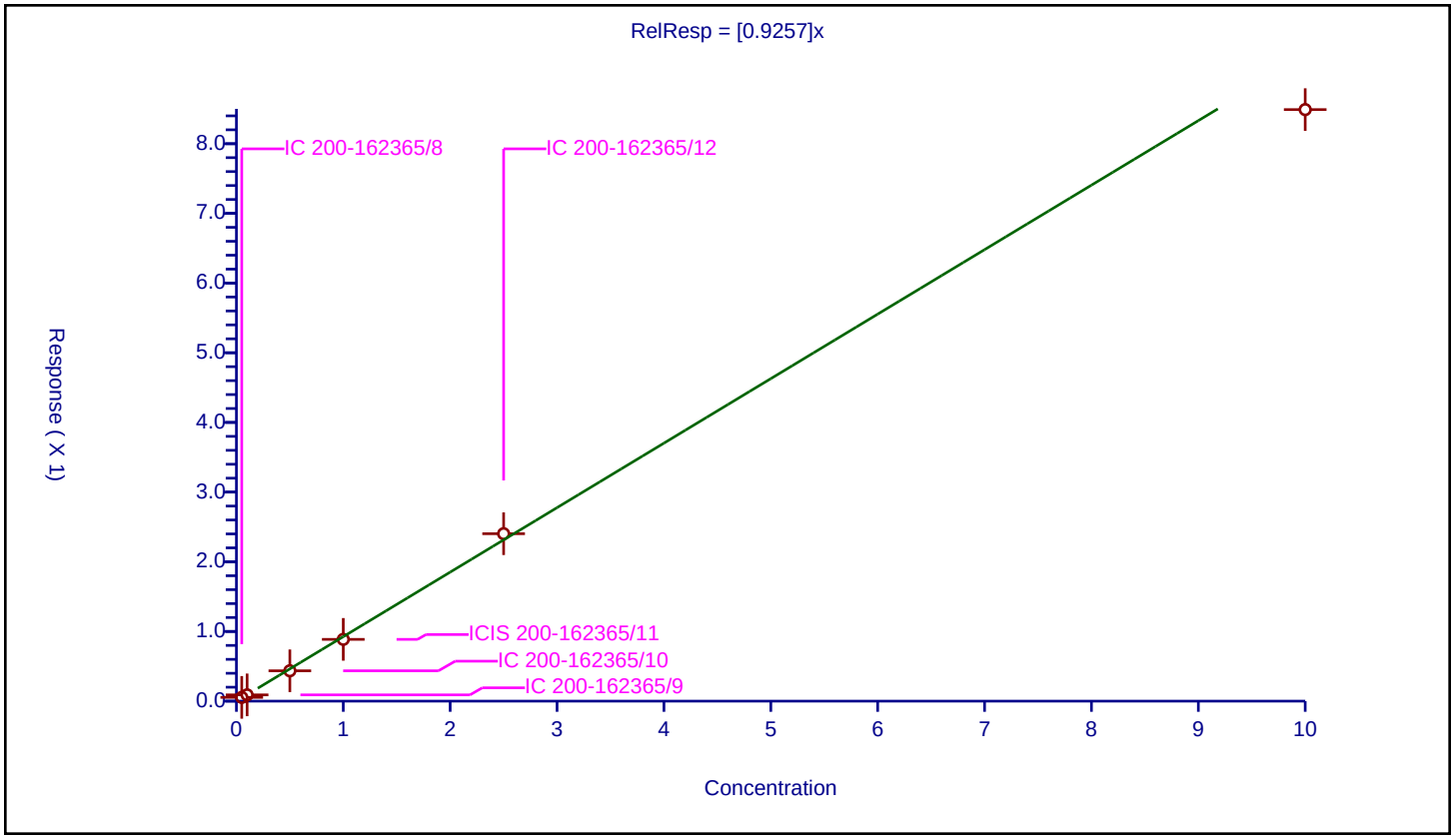
Curve Coefficients

Intercept:	0
Slope:	0.9257

Error Coefficients

Standard Error:	166000
Relative Standard Error:	9.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.05	0.054201	1.25	49123.0	1.084014	Y
2	IC 200-162365/9	0.1	0.090203	1.25	66544.0	0.902035	Y
3	IC 200-162365/10	0.5	0.435738	1.25	52130.0	0.871475	Y
4	ICIS 200-162365/11	1.0	0.886522	1.25	50481.0	0.886522	Y
5	IC 200-162365/12	2.5	2.403003	1.25	49976.0	0.961201	Y
6	IC 200-162365/13	10.0	8.489505	1.25	52405.0	0.84895	Y



Calibration / 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

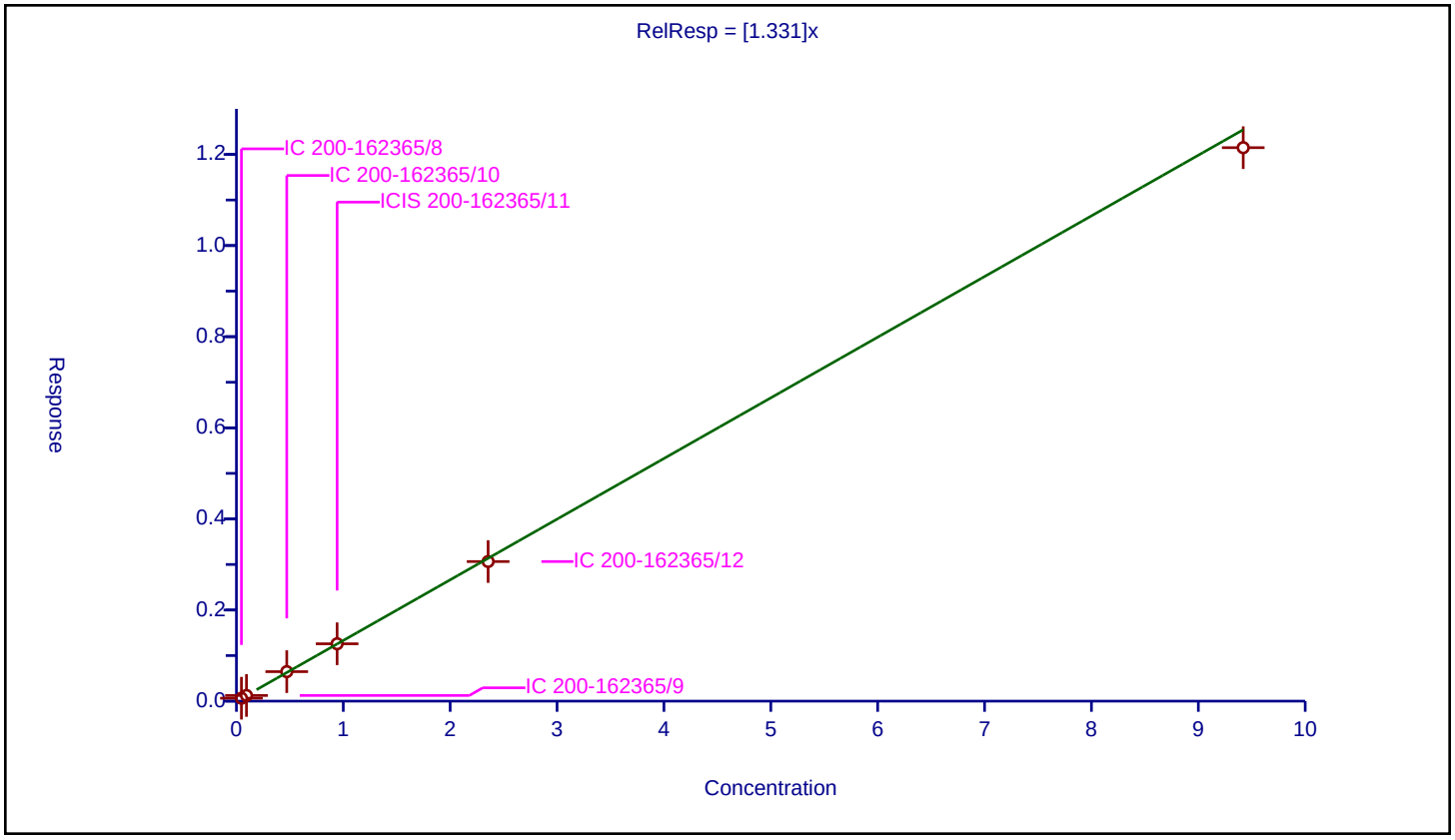
Curve Coefficients

Intercept:	0
Slope:	1.331

Error Coefficients

Standard Error:	2600000
Relative Standard Error:	2.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.0471	0.064435	1.195	552776.0	1.368049	Y
2	IC 200-162365/9	0.0942	0.124242	1.195	682230.0	1.318913	Y
3	IC 200-162365/10	0.471	0.647252	1.195	543196.0	1.374207	Y
4	ICIS 200-162365/11	0.942	1.259108	1.195	554310.0	1.336633	Y
5	IC 200-162365/12	2.355	3.064453	1.195	529467.0	1.301254	Y
6	IC 200-162365/13	9.42	12.148924	1.195	552420.0	1.289695	Y



Calibration / Perfluorododecanoic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

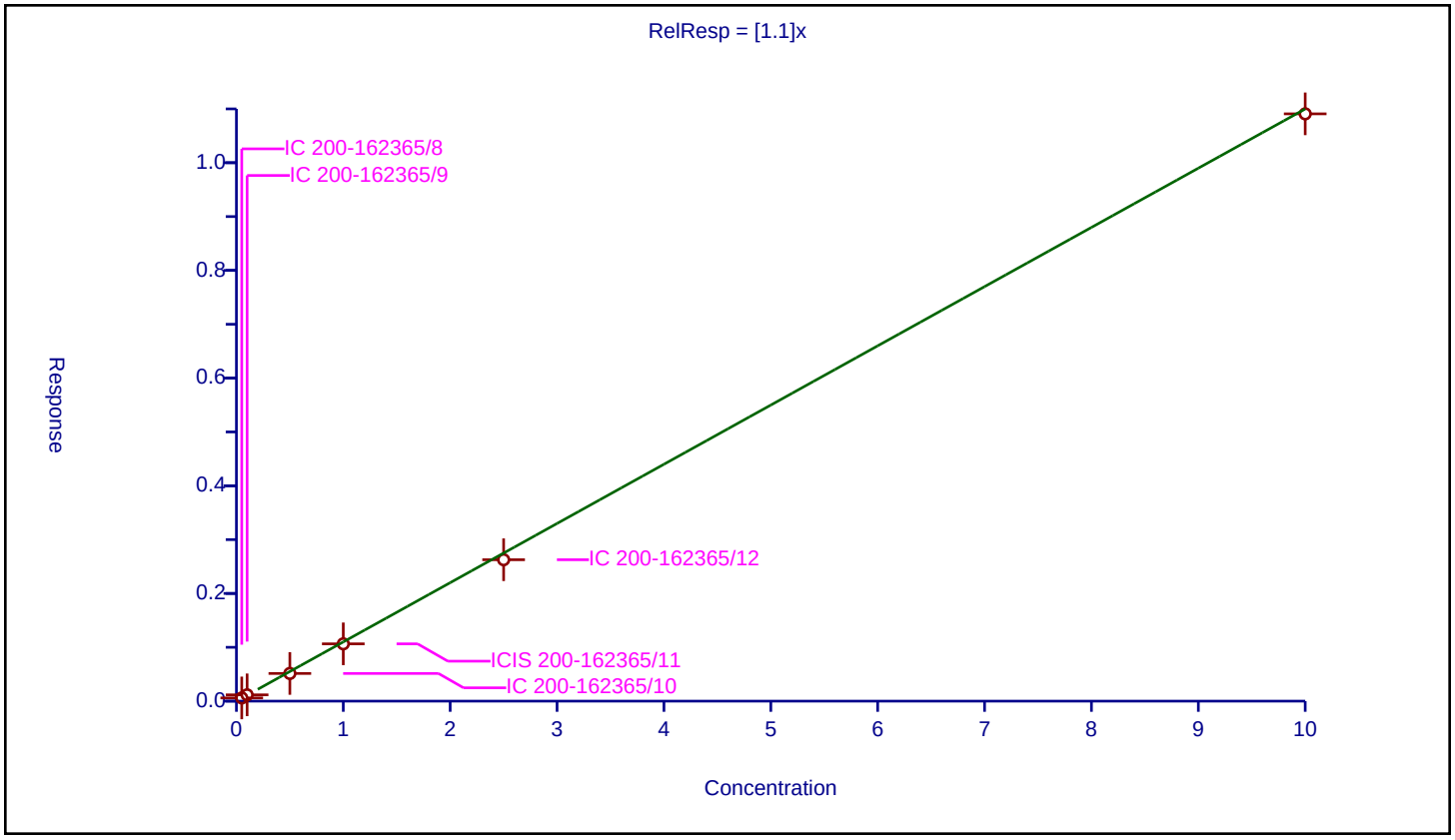
Curve Coefficients

Intercept:	0
Slope:	1.1

Error Coefficients

Standard Error:	2550000
Relative Standard Error:	6.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.05	0.059695	1.25	640188.0	1.193907	Y
2	IC 200-162365/9	0.1	0.117086	1.25	777582.0	1.170857	Y
3	IC 200-162365/10	0.5	0.514375	1.25	642314.0	1.028749	Y
4	ICIS 200-162365/11	1.0	1.064268	1.25	641373.0	1.064268	Y
5	IC 200-162365/12	2.5	2.626358	1.25	623891.0	1.050543	Y
6	IC 200-162365/13	10.0	10.90786	1.25	631964.0	1.090786	Y



Calibration / 1H,1H,2H,2H-perfluorododecanesulfonic acid (10:2)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

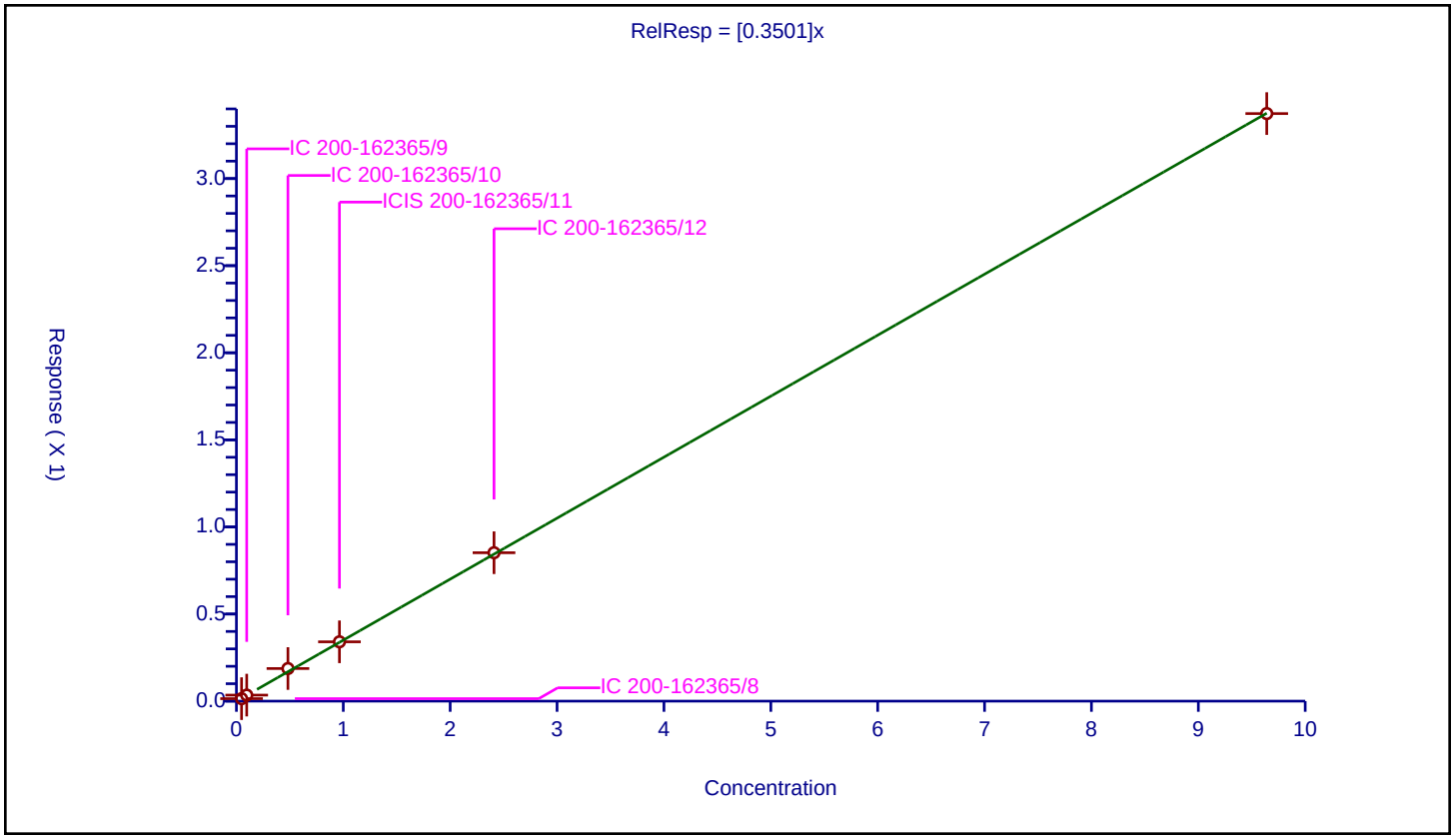
Curve Coefficients

Intercept:	0
Slope:	0.3501

Error Coefficients

Standard Error:	138000
Relative Standard Error:	8.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.0482	0.014282	1.1975	107657.0	0.296313	Y
2	IC 200-162365/9	0.0964	0.034634	1.1975	125650.0	0.35927	Y
3	IC 200-162365/10	0.482	0.187219	1.1975	100274.0	0.388421	Y
4	ICIS 200-162365/11	0.964	0.340654	1.1975	100569.0	0.353376	Y
5	IC 200-162365/12	2.41	0.852056	1.1975	101608.0	0.35355	Y
6	IC 200-162365/13	9.64	3.37311	1.1975	105624.0	0.349908	Y



Calibration / Perfluorododecanesulfonic acid (PFDoS)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

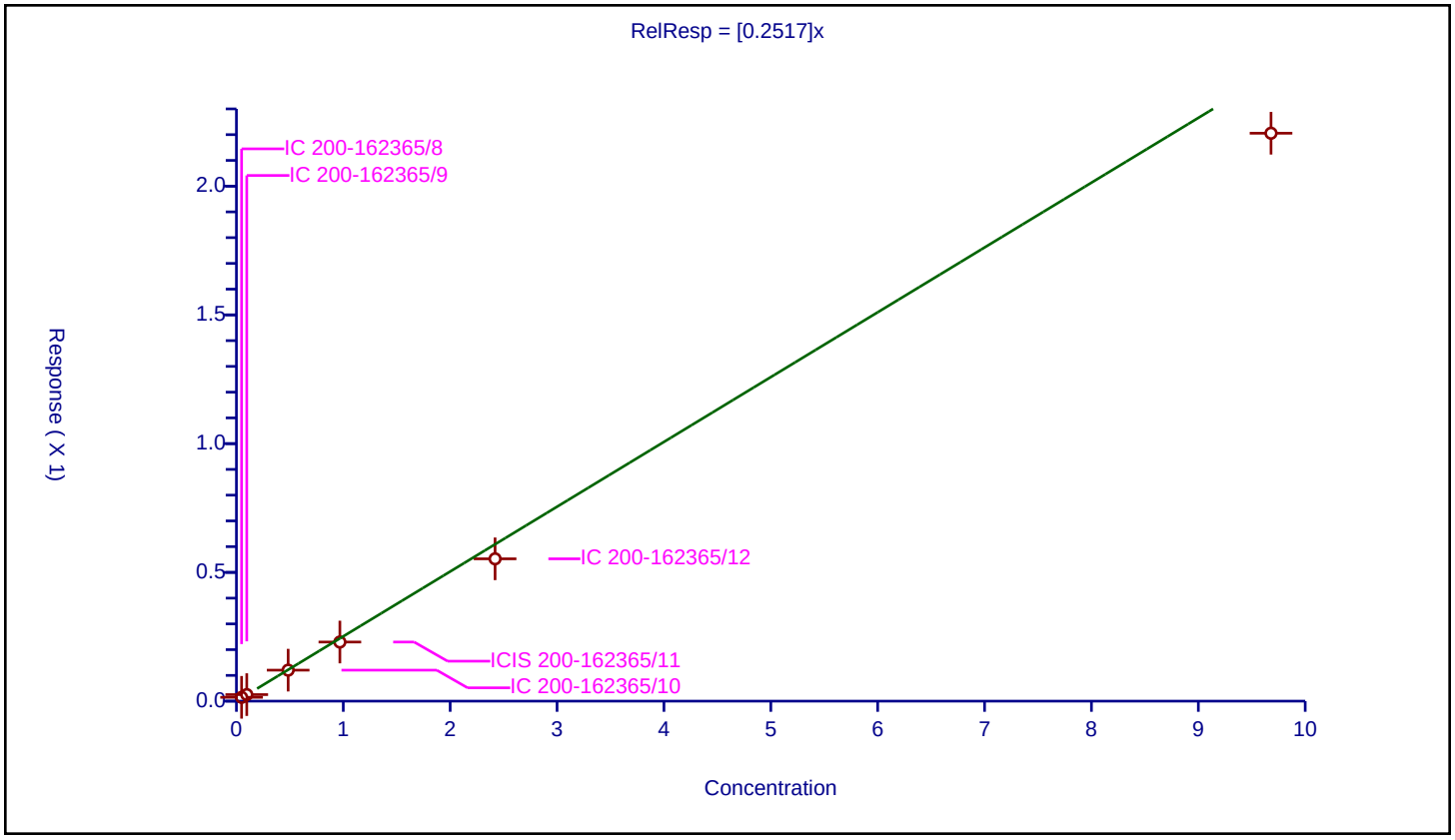
Curve Coefficients

Intercept:	0
Slope:	0.2517

Error Coefficients

Standard Error:	472000
Relative Standard Error:	11.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.0484	0.014793	1.195	552776.0	0.305647	Y
2	IC 200-162365/9	0.0968	0.025405	1.195	682230.0	0.262452	Y
3	IC 200-162365/10	0.484	0.120328	1.195	543196.0	0.248612	Y
4	ICIS 200-162365/11	0.968	0.229601	1.195	554310.0	0.237191	Y
5	IC 200-162365/12	2.42	0.552646	1.195	529467.0	0.228366	Y
6	IC 200-162365/13	9.68	2.205461	1.195	552420.0	0.227837	Y



Calibration / Perfluorotridecanoic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

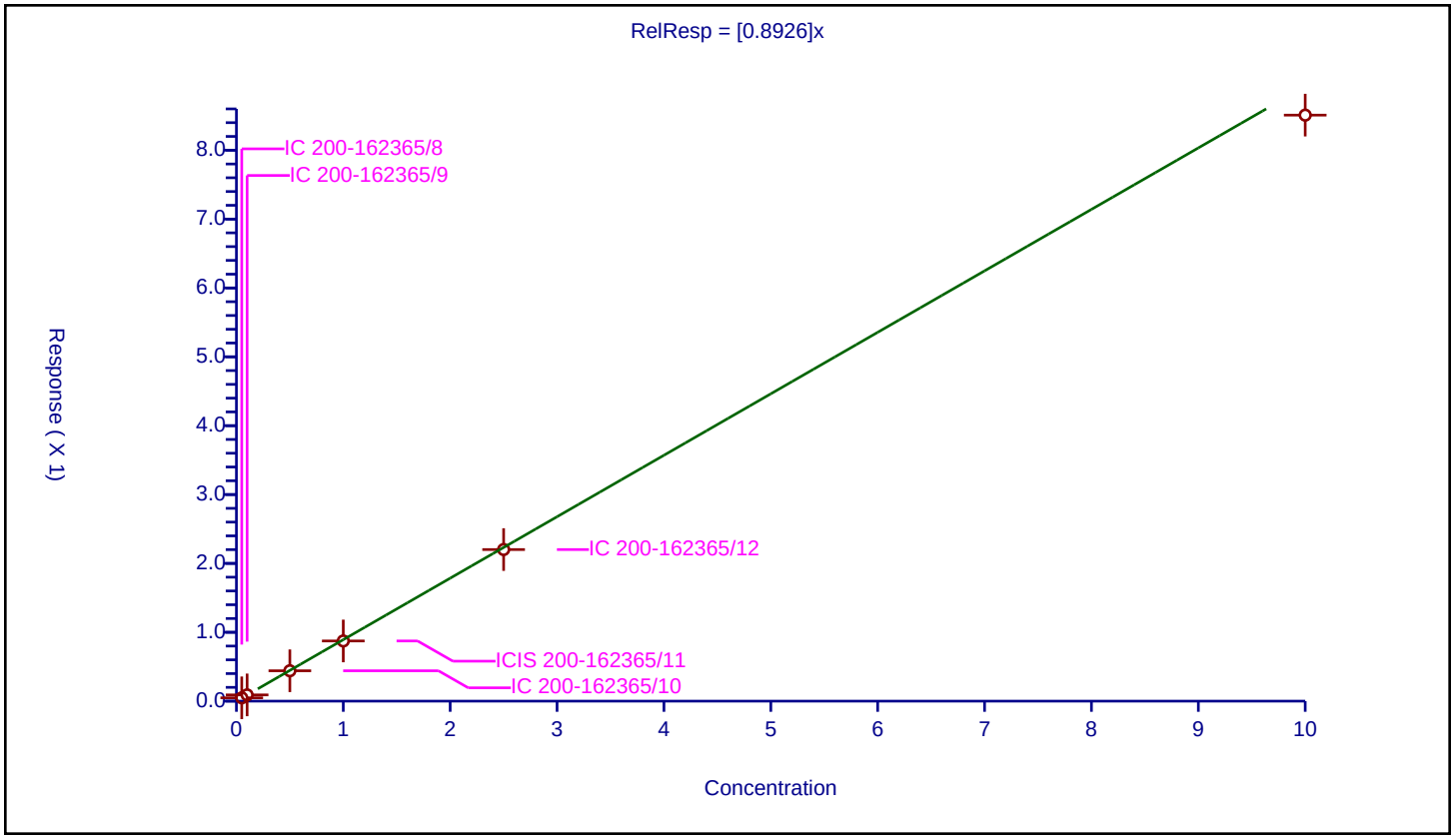
Curve Coefficients

Intercept:	0
Slope:	0.8926

Error Coefficients

Standard Error:	2000000
Relative Standard Error:	4.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.05	0.048015	1.25	640188.0	0.960304	Y
2	IC 200-162365/9	0.1	0.090765	1.25	777582.0	0.907653	Y
3	IC 200-162365/10	0.5	0.44111	1.25	642314.0	0.88222	Y
4	ICIS 200-162365/11	1.0	0.873994	1.25	641373.0	0.873994	Y
5	IC 200-162365/12	2.5	2.201023	1.25	623891.0	0.880409	Y
6	IC 200-162365/13	10.0	8.509316	1.25	631964.0	0.850932	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

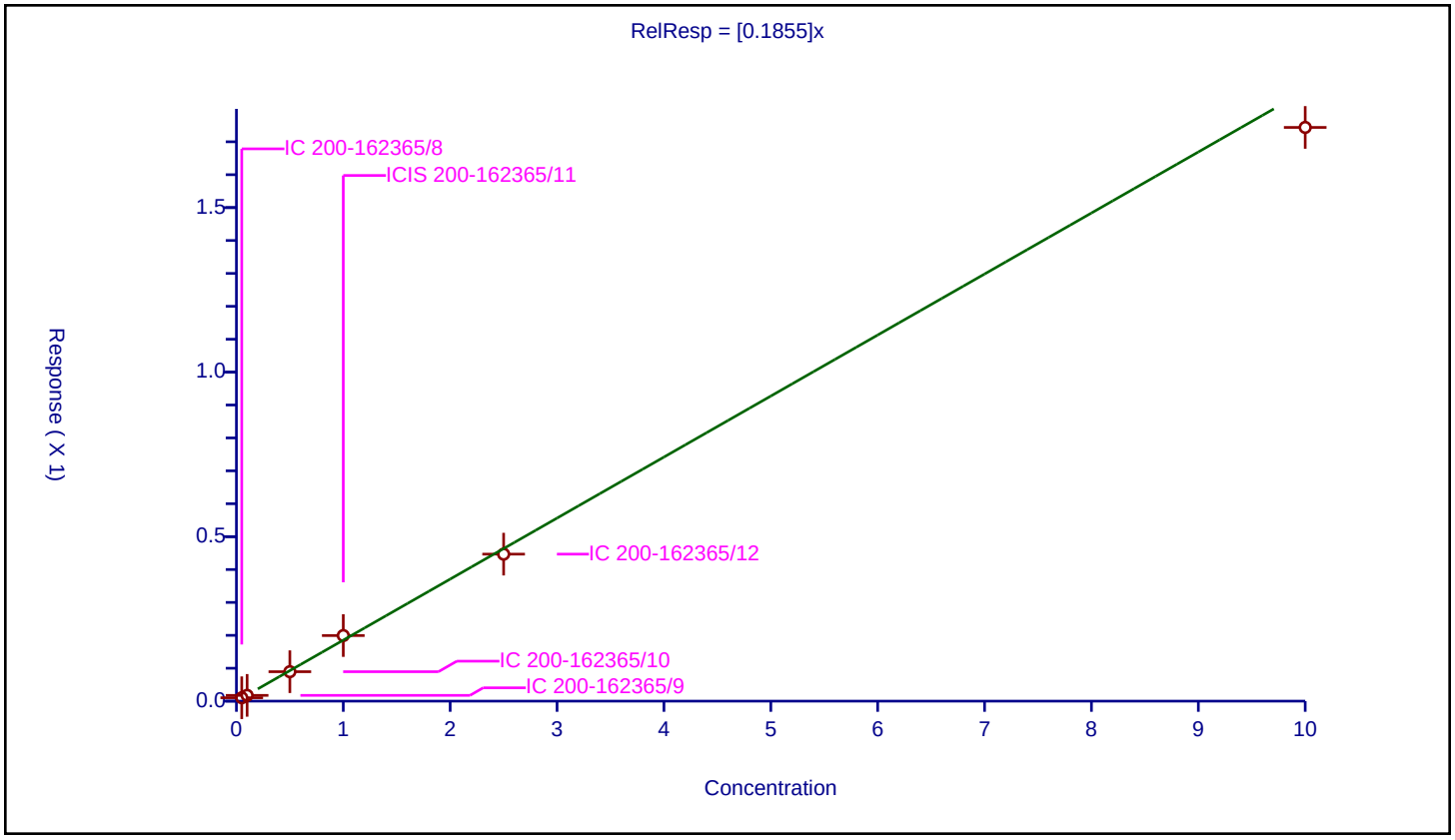
Curve Coefficients

Intercept:	0
Slope:	0.1855

Error Coefficients

Standard Error:	306000
Relative Standard Error:	7.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.05	0.010291	1.25	460978.0	0.205812	Y
2	IC 200-162365/9	0.1	0.017546	1.25	598063.0	0.175462	Y
3	IC 200-162365/10	0.5	0.089521	1.25	480039.0	0.179043	Y
4	ICIS 200-162365/11	1.0	0.199316	1.25	450404.0	0.199316	Y
5	IC 200-162365/12	2.5	0.446767	1.25	469963.0	0.178707	Y
6	IC 200-162365/13	10.0	1.743623	1.25	471704.0	0.174362	Y



Calibration / Perfluorohexadecanoic acid

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

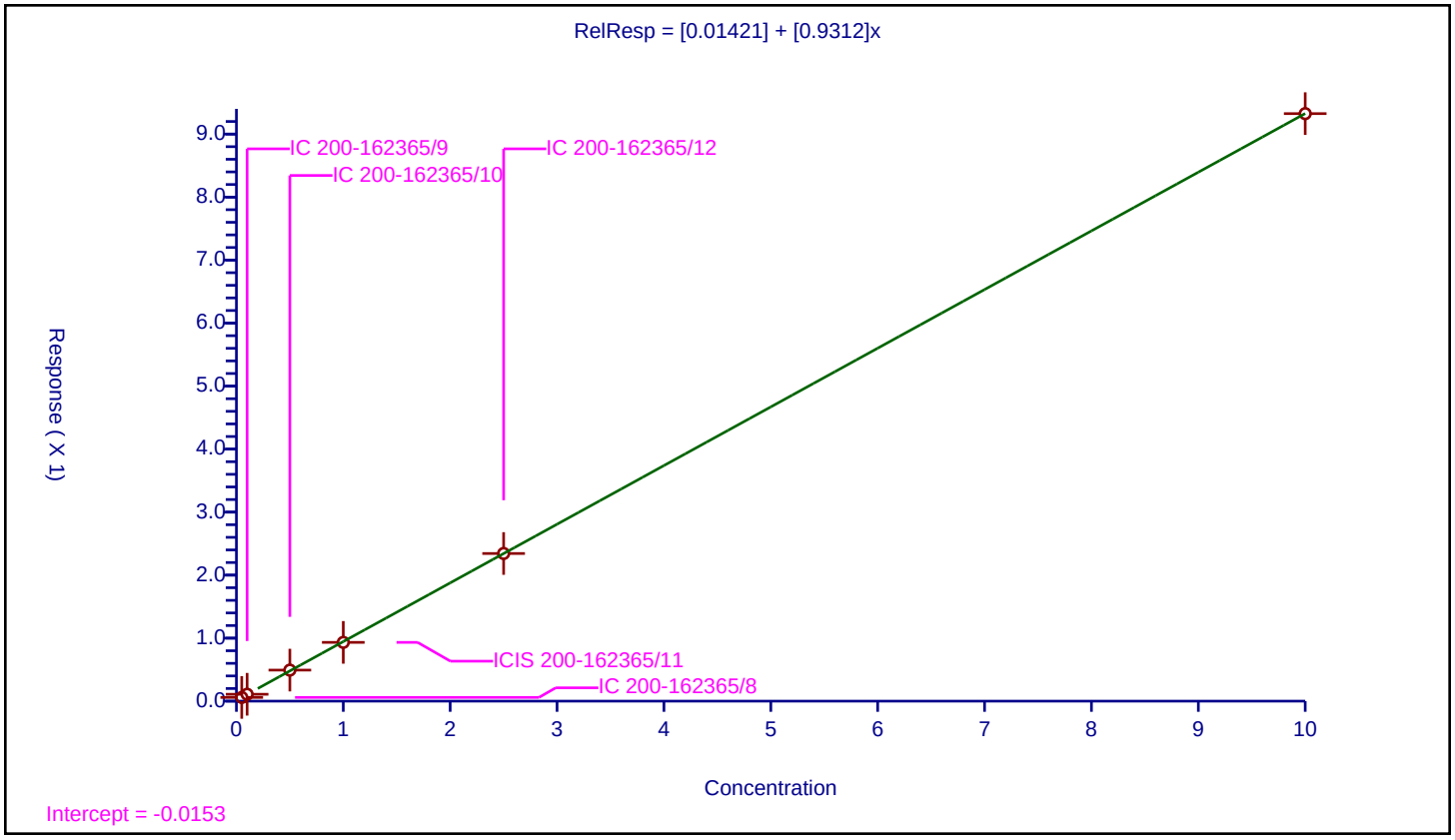
Curve Coefficients

Intercept:	0.01421
Slope:	0.9312

Error Coefficients

Standard Error:	1950000
Relative Standard Error:	2.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.05	0.059041	1.25	493765.0	1.180825	Y
2	IC 200-162365/9	0.1	0.109457	1.25	635237.0	1.094572	Y
3	IC 200-162365/10	0.5	0.492643	1.25	497203.0	0.985287	Y
4	ICIS 200-162365/11	1.0	0.932632	1.25	496455.0	0.932632	Y
5	IC 200-162365/12	2.5	2.343435	1.25	505699.0	0.937374	Y
6	IC 200-162365/13	10.0	9.324608	1.25	502634.0	0.932461	Y



Calibration / Perfluorooctadecanoic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

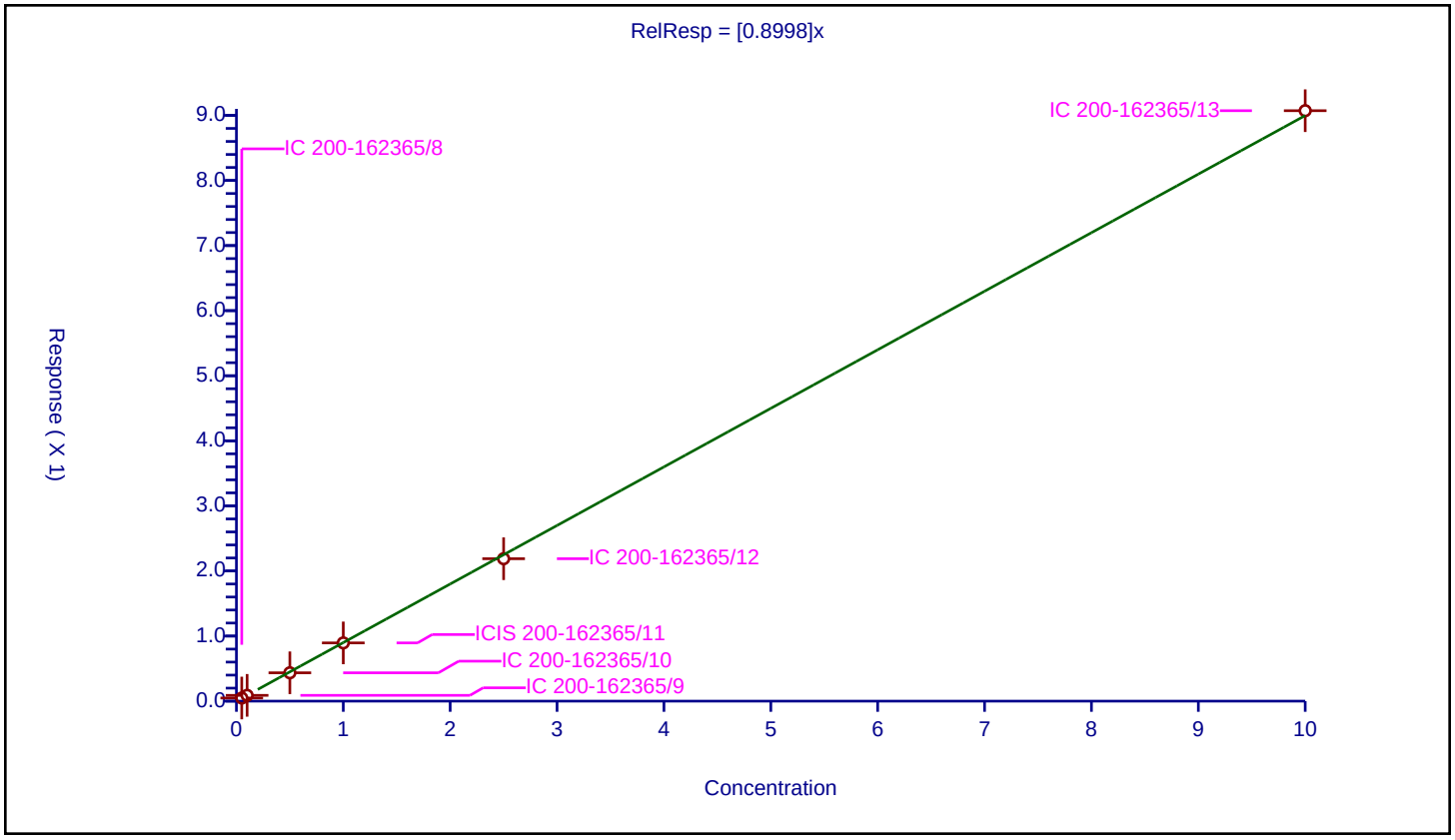
Curve Coefficients

Intercept:	0
Slope:	0.8998

Error Coefficients

Standard Error:	1690000
Relative Standard Error:	3.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-162365/8	0.05	0.047925	1.25	493765.0	0.958503	Y
2	IC 200-162365/9	0.1	0.089138	1.25	635237.0	0.89138	Y
3	IC 200-162365/10	0.5	0.435677	1.25	497203.0	0.871354	Y
4	ICIS 200-162365/11	1.0	0.894797	1.25	496455.0	0.894797	Y
5	IC 200-162365/12	2.5	2.188251	1.25	505699.0	0.8753	Y
6	IC 200-162365/13	10.0	9.072165	1.25	502634.0	0.907217	Y



FORM VII
LCMS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Lab Sample ID: ICV 200-162365/15 Calibration Date: 12/22/2020 13:46

Instrument ID: LC812 Calib Start Date: 12/22/2020 12:48

GC Column: C-18 ID: 4.60(mm) Calib End Date: 12/22/2020 13:29

Lab File ID: PA201222ICAL015.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorobutanoic acid (PFBA)	AveID	1.002	0.9674		0.965	1.00	-3.5	40.0
Perfluoropentanoic acid (PFPeA)	AveID	1.107	1.153		1.05	1.01	4.2	40.0
Perfluorobutanesulfonic acid (PFBS)	AveID	1.131	1.058		0.935	1.00	-6.5	40.0
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	AveID	1.834	1.918		1.05	1.00	4.6	50.0
Perfluorohexanoic acid (PFHxA)	AveID	1.092	1.036		0.958	1.01	-5.2	40.0
Perfluoropentanesulfonic acid	AveID	1.312	1.370		1.04	1.00	4.4	50.0
HFPO-DA	AveID	1.385	1.363		0.994	1.01	-1.6	40.0
Perfluoroheptanoic acid (PFHpA)	AveID	1.092	1.016		0.931	1.00	-6.9	40.0
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.178	1.137		0.975	1.01	-3.5	40.0
DONA	AveID	3.349	3.129		0.935	1.00	-6.5	50.0
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	AveID	1.112	1.090		0.980	1.00	-2.0	40.0
Perfluoroheptanesulfonic Acid (PFHpS)	AveID	1.350	1.275		0.944	1.00	-5.6	50.0
Perfluorooctanoic acid (PFOA)	AveID	1.084	1.062		0.980	1.00	-2.0	40.0
Perfluorooctanesulfonic acid (PFOS)	AveID	1.150	0.9652		0.848	1.01	-16.1	40.0
Perfluorononanoic acid (PFNA)	AveID	1.107	1.200		1.08	1.00	8.5	40.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	AveID	1.283	1.300		1.01	1.00	1.3	50.0
Perfluorononanesulfonic acid	AveID	0.8581	0.8222		0.968	1.01	-4.2	50.0
Perfluorodecanoic acid (PFDA)	AveID	1.031	1.023		0.993	1.00	-0.7	40.0
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	AveID	0.6801	0.6225		0.924	1.01	-8.5	40.0
Perfluorooctanesulfonamide (PFOSA)	AveID	1.002	1.004		1.00	1.00	0.2	40.0
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	0.8864	0.8651		0.976	1.00	-2.4	40.0
Perfluorodecanesulfonic acid (PFDS)	AveID	0.6841	0.6555		0.968	1.01	-4.2	50.0
Perfluoroundecanoic acid (PFUnA)	AveID	1.020	0.9743		0.955	1.00	-4.5	40.0
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.9257	0.8563		0.925	1.00	-7.5	40.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	AveID	1.331	1.310		0.984	1.00	-1.6	50.0
Perfluorododecanoic acid (PFDoA)	AveID	1.100	0.9696		0.882	1.00	-11.8	40.0
10:2 FTS	AveID	0.3501	0.3510		0.966	0.964	0.2	50.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.2517	0.2191		0.842	0.968	-13.0	50.0
Perfluorotridecanoic acid (PFTriA)	AveID	0.8926	0.7434		0.833	1.00	-16.7	50.0

FORM VII
LCMS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Lab Sample ID: ICV 200-162365/15 Calibration Date: 12/22/2020 13:46

Instrument ID: LC812 Calib Start Date: 12/22/2020 12:48

GC Column: C-18 ID: 4.60(mm) Calib End Date: 12/22/2020 13:29

Lab File ID: PA201222ICAL015.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorotetradecanoic acid (PFTeA)	AveID	0.1855	0.2040		1.10	1.00	10.0	40.0
Perfluoro-n-hexadecanoic acid (PFHxDA)	L1ID		0.9228		0.976	1.00	-2.4	40.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	0.8998	0.8197		0.911	1.00	-8.9	50.0
13C4 PFBA	Ave	1.343	1.440		1.34	1.25	7.2	50.0
13C5 PFPeA	Ave	0.9710	1.024		1.32	1.25	5.4	50.0
13C3 PFBS	Ave	1.278	1.420		1.29	1.16	11.1	50.0
M2-4:2 FTS	Ave	0.1066	0.1123		1.23	1.17	5.3	50.0
13C2 PFHxA	Ave	1.018	1.119		1.37	1.25	10.0	50.0
13C3 HFPO-DA	Ave	0.1792	0.1826		1.27	1.25	1.9	50.0
13C4 PFHpA	Ave	0.9742	1.059		1.36	1.25	8.7	50.0
18O2 PFHxS	Ave	0.9511	0.999		1.24	1.18	5.1	50.0
M2-6:2 FTS	Ave	0.1187	0.1266		1.27	1.19	6.6	50.0
13C4 PFOA	Ave	0.9896	1.051		1.33	1.25	6.2	50.0
13C4 PFOS	Ave	0.6528	0.7140		1.31	1.20	9.4	50.0
13C5 PFNA	Ave	0.8730	0.9003		1.29	1.25	3.1	50.0
13C2 PFDA	Ave	0.8346	0.8982		1.35	1.25	7.6	50.0
M2-8:2 FTS	Ave	0.1225	0.1369		1.34	1.20	11.8	50.0
13C8 FOSA	Ave	1.227	1.319		1.34	1.25	7.5	50.0
d3-NMeFOSAA	Ave	0.0605	0.0711		1.47	1.25	17.4	50.0
13C2 PFUnA	Ave	0.6856	0.7424		1.35	1.25	8.3	50.0
d5-NEtFOSAA	Ave	0.0585	0.0669		1.43	1.25	14.3	50.0
13C2 PFDoA	Ave	0.7238	0.7700		1.33	1.25	6.4	50.0
13C2 PFTeDA	Ave	0.5353	0.5430		1.27	1.25	1.4	50.0
13C2 PFHxDA	Ave	0.5718	0.5982		1.31	1.25	4.6	50.0

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL015.d
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 22-Dec-2020 13:46:11 ALS Bottle#: 9 Worklist Smp#: 15
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 200-0044184-015 Plate: 1 Rack: 1
Operator ID: lc812tech Instrument ID: LC812
Sublist:

Method: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 22-Dec-2020 17:35:49 Calib Date: 22-Dec-2020 13:29:37
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1625

First Level Reviewer: deannd Date: 22-Dec-2020 14:47:35
Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.089	2.091	-0.002	0.598	1286706	1.34		107	10620	
2 Perfluorobutanoic acid										
212.90 > 169.00	2.089	2.091	-0.002	1.000	995801	0.9655			134	
D 3 13C5 PFPeA										
267.90 > 223.00	2.411	2.414	-0.003	0.690	914675	1.32		105	3225	
4 Perfluoropentanoic acid										
262.90 > 219.00	2.411	2.414	-0.003	1.000	852414	1.05			34.1	
D 47 13C3 PFBS										
301.90 > 80.00	2.424	2.427	-0.003	0.694	1179594	1.29		111	210514	
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.424	2.427	-0.003	1.000	1073531	0.9352	Target=2.21		1837	
298.90 > 99.00	2.424	2.427	-0.003	1.000	477983		2.25(1.11-3.32)		479	
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.732	2.735	-0.003	1.000	153901	1.05			2132	
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.732	2.735	-0.003	0.782	93671	1.23		105	95.9	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.768	2.771	-0.003	0.793	999764	1.37		110	3166	
6 Perfluorohexanoic acid										
313.00 > 269.00	2.768	2.771	-0.003	1.000	837002	0.9579	Target=12.83		226	
313.00 > 119.00	2.768	2.771	-0.003	1.000	69550		12.03(6.42-19.25)		131	
70 Perfluoropentanesulfonic acid										
349.00 > 80.00	2.768	2.771	-0.003	0.884	978046	1.04	Target=3.35		1810	
349.00 > 99.00	2.768	2.771	-0.003	0.884	290538		3.37(1.67-5.02)		531	
67 Perfluoro(2-propoxypropanoic) ac										M
329.10 > 285.00	2.878	2.881	-0.003	1.004	179615	0.99			21.8	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 64 13C3 HFPO-DA										
332.10 > 287.00	2.866	2.881	-0.015	0.821	163101	1.27		102	882	
D 11 18O2 PFHxS										
403.00 > 84.00	3.132	3.133	-0.001	0.897	844475	1.24		105	2048	
8 Perfluorohexanesulfonic acid										
399.00 > 80.00	3.132	3.133	-0.001	1.000	820382	0.9748	Target=4.15		775	
399.00 > 99.00	3.132	3.133	-0.001	1.000	195522		4.20(2.08-6.23)		191	
D 9 13C4 PFHpA										
367.00 > 322.00	3.132	3.133	-0.001	0.897	946108	1.36		109	3648	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.132	3.133	-0.001	1.000	769336	0.9306	Target=3.66		186	
363.00 > 169.00	3.132	3.133	-0.001	1.000	217871		3.53(1.83-5.49)		561	
77 DONA										M
377.00 > 251.00	3.175	3.176	-0.001	0.835	1596917	0.9345	Target=2.43		1596	M
377.00 > 85.00	3.175	3.176	-0.001	0.835	673298		2.37(1.22-3.65)		635	
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.483	3.484	-0.001	0.916	650457	0.9440	Target=5.95		1952	
449.00 > 99.00	3.483	3.484	-0.001	0.916	113064		5.75(2.98-8.93)		662	M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.483	3.484	-0.001	0.997	107444	1.27		107	391	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.483	3.484	-0.001	1.000	98603	0.9797			1058	
D 14 13C4 PFOA										
417.00 > 372.00	3.492	3.493	-0.001	1.000	939234	1.33		106	3545	
* 62 13C2 PFOA										
415.00 > 370.00	3.492	3.493	-0.001		893380	1.25			3800	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.492	3.493	-0.001	1.000	798260	0.9801	Target=2.58		173	
413.00 > 169.00	3.492	3.493	-0.001	1.000	313074		2.55(1.29-3.87)		556	M
D 18 13C4 PFOS										
503.00 > 80.00	3.804	3.806	-0.002	1.089	609835	1.31		109	1419	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.804	3.806	-0.002	1.000	497497	0.8476	Target=5.65		745	M
499.00 > 99.00	3.804	3.806	-0.002	1.000	83138		5.98(2.82-8.47)		315	M
D 19 13C5 PFNA										
468.00 > 423.00	3.825	3.826	-0.001	1.095	804349	1.29		103	3803	
20 Perfluorononanoic acid										
463.00 > 419.00	3.825	3.826	-0.001	1.000	772486	1.08	Target=7.44		124	
463.00 > 169.00	3.825	3.826	-0.001	1.000	108335		7.13(3.72-11.16)		1027	
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.974	3.967	0.007	1.045	663606	1.01			2073	M
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.093	4.095	-0.002	1.076	423805	0.9678	Target=2.54		2252	
549.00 > 99.00	4.093	4.095	-0.002	1.076	149231		2.84(1.27-3.81)		422	
D 23 13C2 PFDA										
515.00 > 470.00	4.126	4.129	-0.003	1.182	802424	1.35		108	3715	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										
513.00 > 469.00	4.126	4.129	-0.003	1.000	656856	0.99	Target=9.29		415	
513.00 > 169.00	4.126	4.129	-0.003	1.000	77788		8.44(4.64-13.93)		600	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.137	4.140	-0.003	1.000	61523	0.9245			601	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.137	4.140	-0.003	1.185	117176	1.34		112	929	
D 21 13C8 FOSA										
506.00 > 78.00	4.205	4.207	-0.002	1.204	1178726	1.34		108	2916	
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.215	4.207	0.008	1.002	946696	1.00			1585	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.268	4.272	-0.004	1.222	63495	1.47		117	135	
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.268	4.272	-0.004	1.000	43943	0.9760			183	
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.358	4.362	-0.004	1.146	337879	0.9679	Target=2.80		1567	
599.00 > 99.00	4.358	4.362	-0.004	1.146	116326		2.90(1.40-4.19)		464	
D 30 13C2 PFUnA										
565.00 > 520.00	4.391	4.384	0.007	1.257	663214	1.35		108	3106	
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.391	4.395	-0.004	1.000	516949	0.9554	Target=8.12		189	
563.00 > 169.00	4.391	4.395	-0.004	1.000	63288		8.17(4.06-12.18)		786	
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.402	4.395	0.007	1.261	59742	1.43		114	454	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.402	4.406	-0.004	1.000	40925	0.9250			425	M
66 11-Chloroeicosafluoro-3-oxaundec										
631.00 > 451.00	4.480	4.485	-0.005	1.178	668588	0.9840			2444	
D 36 13C2 PFDoA										
615.00 > 570.00	4.622	4.626	-0.004	1.323	687932	1.33		106	2818	
37 Perfluorododecanoic acid										
613.00 > 569.00	4.622	4.626	-0.004	1.000	533635	0.8816	Target=6.91		129	
613.00 > 169.00	4.622	4.626	-0.004	1.000	79300		6.73(3.45-10.36)		1061	
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.642	4.637	0.005	1.122	33105	0.9662			862	
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.801	4.797	0.004	1.262	108210	0.8425	Target=0.51		337	
699.00 > 99.00	4.801	4.797	0.004	1.262	213860		0.51(0.26-0.77)		928	
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.834	4.839	-0.005	1.046	409140	0.8329	Target=4.39		128	
663.00 > 169.00	4.834	4.839	-0.005	1.046	96668		4.23(2.20-6.59)		916	
D 43 13C2 PFTeDA										
715.00 > 670.00	5.024	5.027	-0.003	1.439	485141	1.27		101	2501	
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.033	5.027	0.006	1.002	79193	1.10	Target=1.06		1257	
713.00 > 219.00	5.024	5.027	-0.003	1.000	78129		1.01(0.53-1.59)		2313	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 44 13C2 PFHxDA										
815.00 > 770.00	5.383	5.374	0.009	1.541	534444	1.31		105	2052	
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.383	5.374	0.009	1.000	394543	0.9757	Target=3.84		122	
813.00 > 169.00	5.383	5.374	0.009	1.000	97920		4.03(1.92-5.76)		1211	
46 Perfluorooctadecanoic acid										
913.00 > 869.00	5.729	5.722	0.007	1.064	350452	0.9110	Target=3.92		214	
913.00 > 169.00	5.720	5.722	-0.002	1.063	90477		3.87(1.96-5.88)		762	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

LCPFAS28NCICV_00006 Amount Added: 100.00 Units: uL

Report Date: 22-Dec-2020 17:35:49 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL015.d

Injection Date: 22-Dec-2020 13:46:11 Instrument ID: LC812

Lims ID: ICV

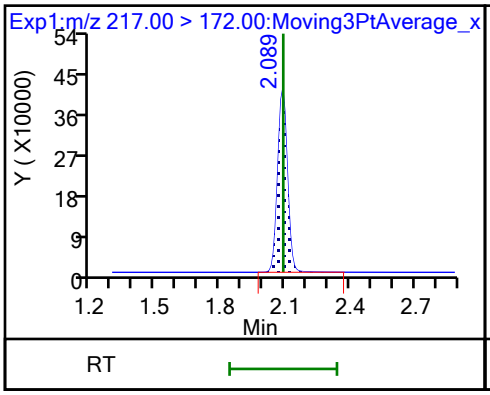
Client ID:

Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 15

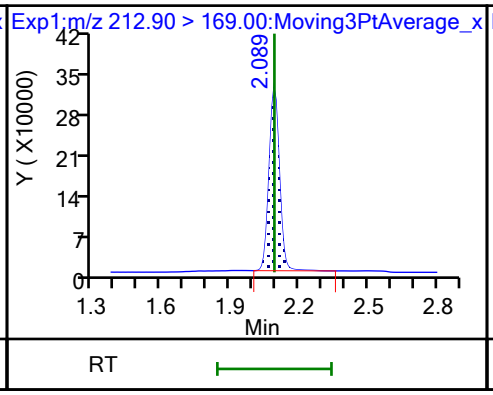
Injection Vol: 20.0 ul Dil. Factor: 1.0000

Method: PFC_LC812 Limit Group: LC_PFC_ICAL

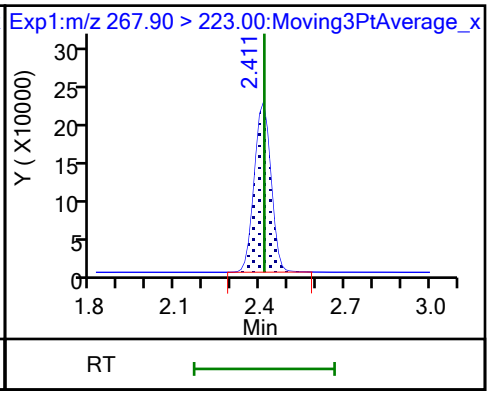
D 1 13C4 PFBA



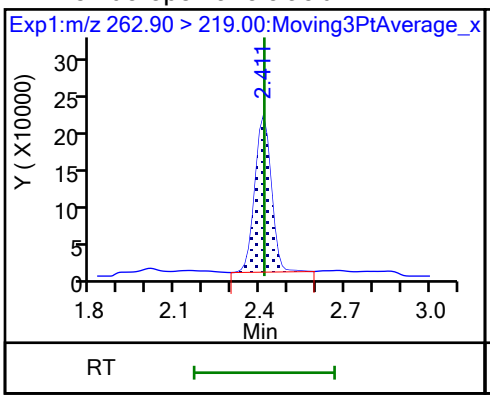
2 Perfluorobutanoic acid



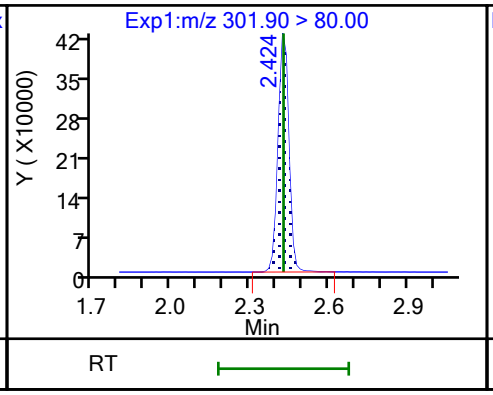
D 3 13C5 PFPeA



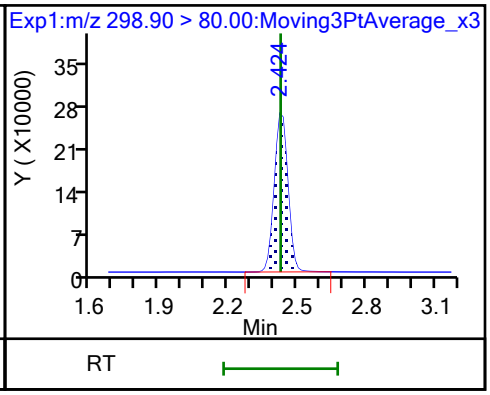
4 Perfluoropentanoic acid



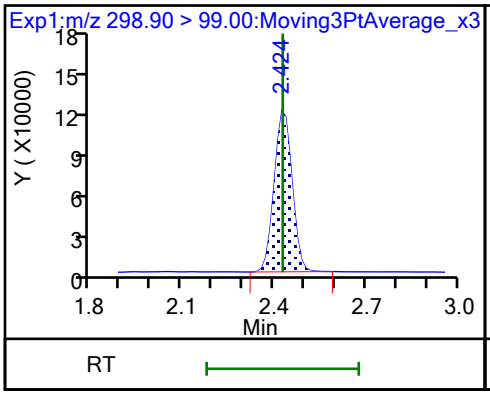
D 47 13C3 PFBS



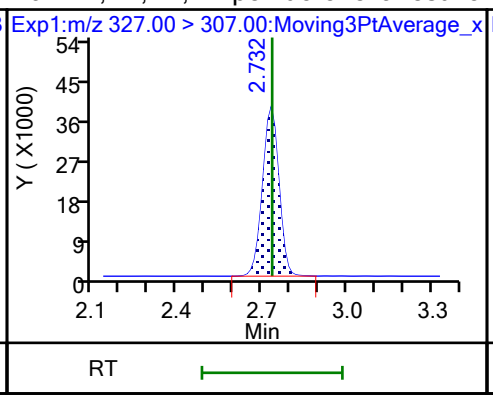
5 Perfluorobutanesulfonic acid



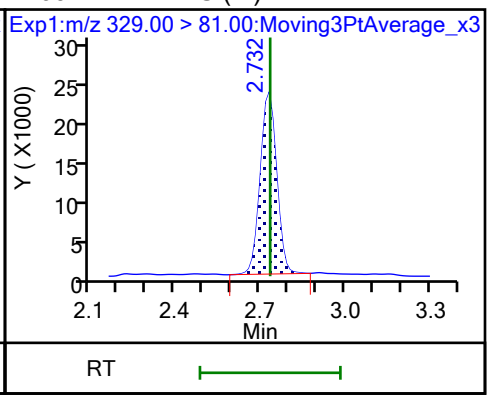
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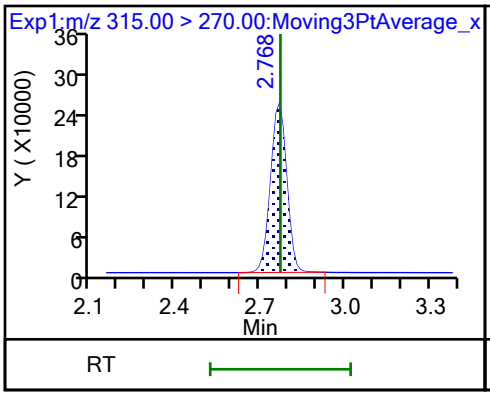
61 1H,1H,2H,2H-perfluorohexanesulfo



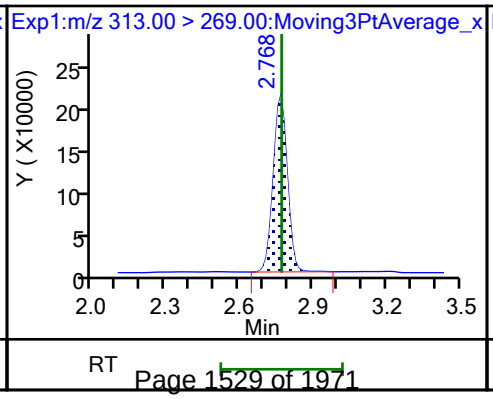
D 60 M2-4:2 FTS (M)



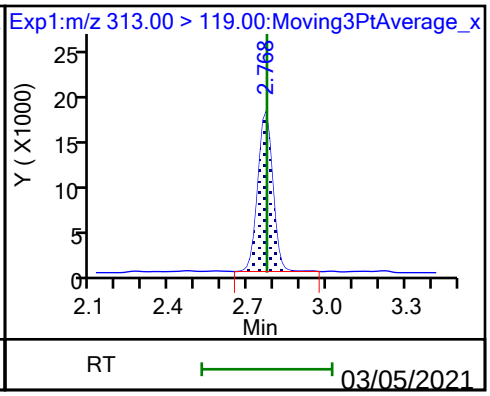
D 7 13C2 PFHxA



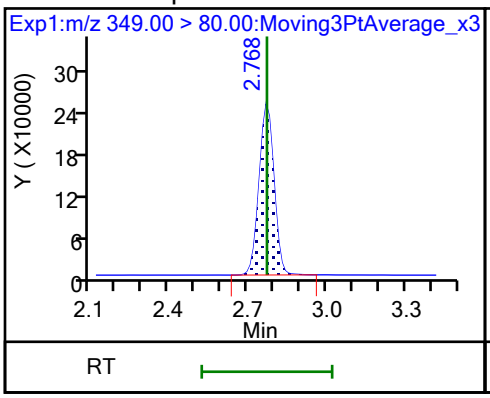
6 Perfluorohexanoic acid



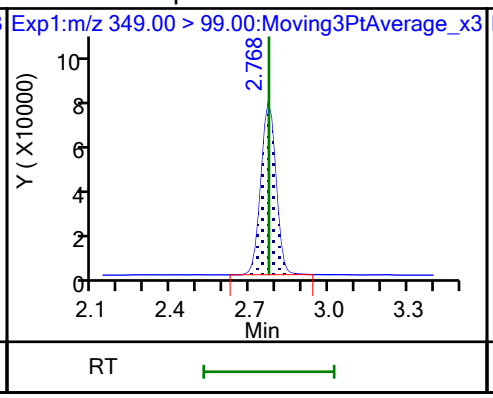
6 Perfluorohexanoic acid



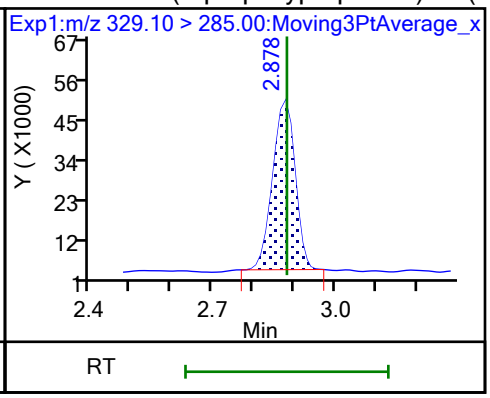
70 Perfluoropentanesulfonic acid



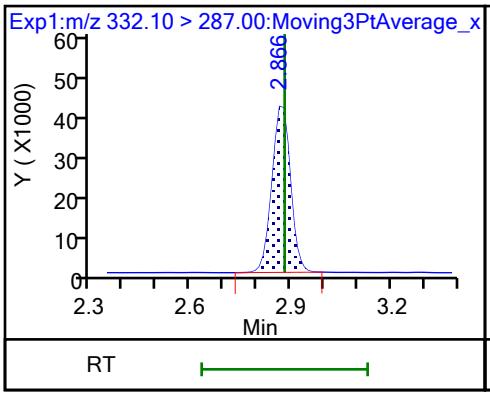
70 Perfluoropentanesulfonic acid



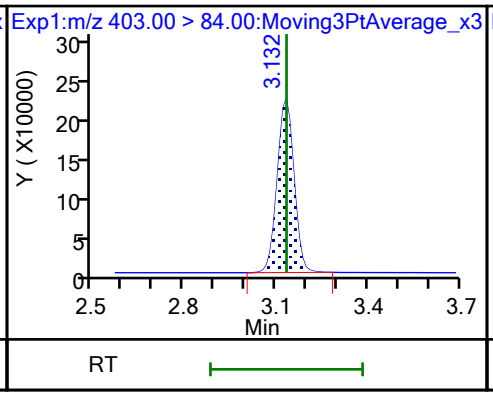
67 Perfluoro(2-propoxypropanoic) ac (M)



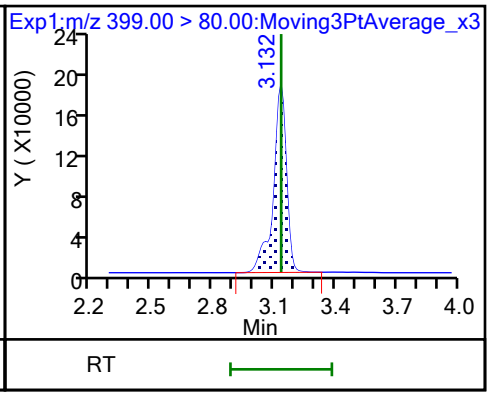
D 64 13C3 HFPO-DA



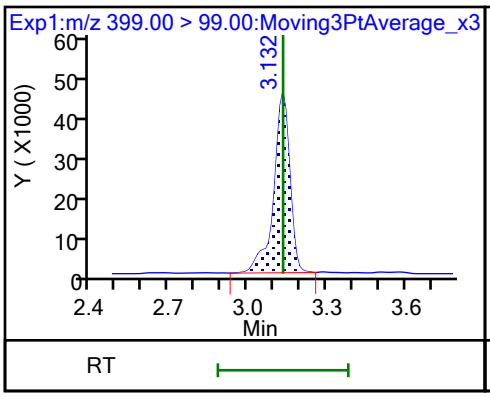
D 11 18O2 PFHxS



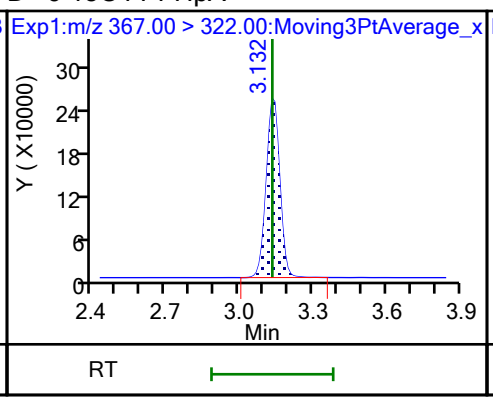
8 Perfluorohexanesulfonic acid



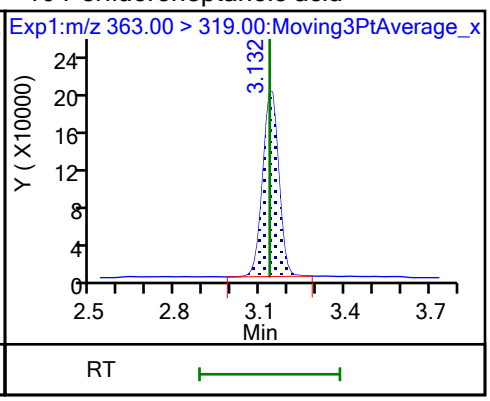
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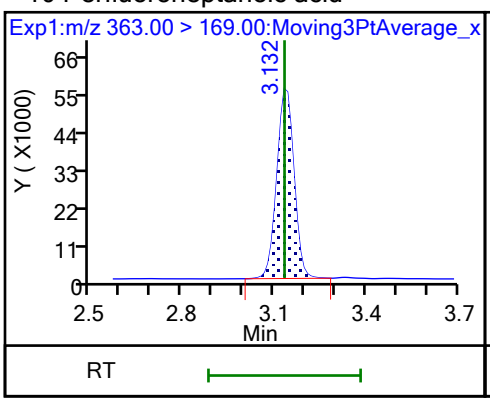
D 9 13C4 PFHpA



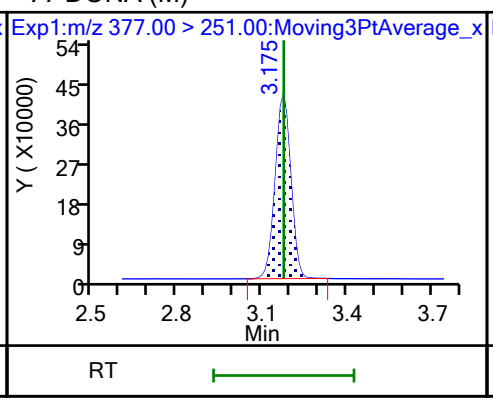
10 Perfluoroheptanoic acid



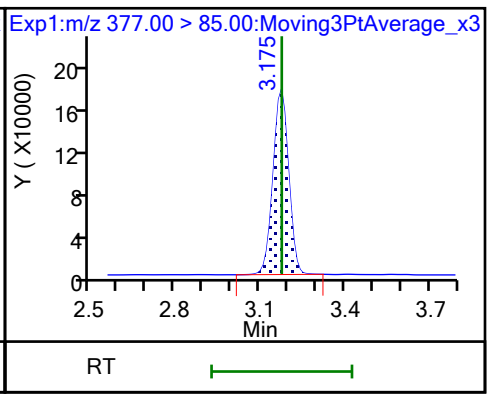
10 Perfluoroheptanoic acid



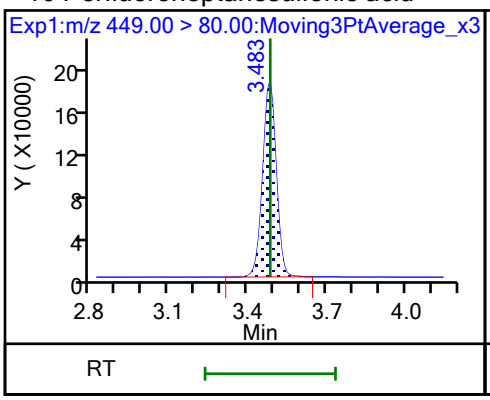
77 DONA (M)



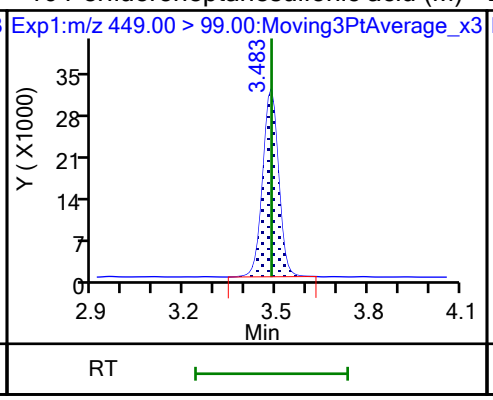
77 DONA



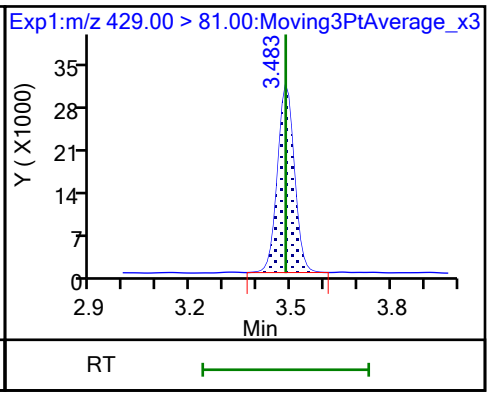
16 Perfluoroheptanesulfonic acid



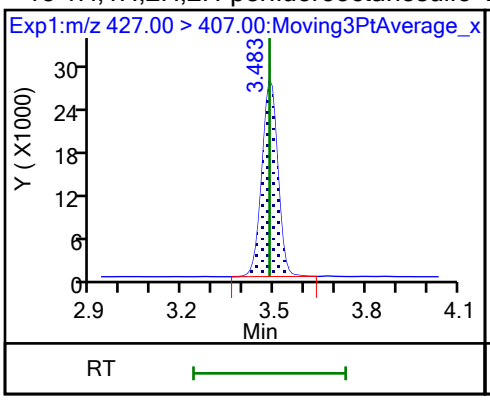
16 Perfluoroheptanesulfonic acid (M)



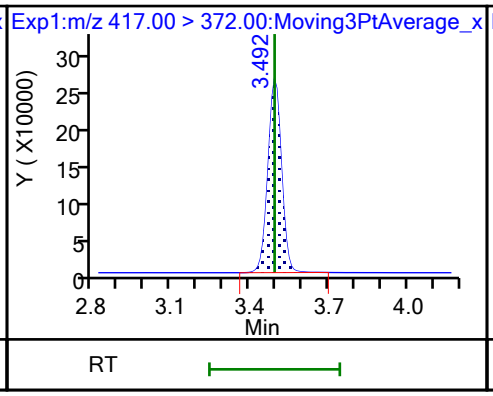
D 12 M2-6:2 FTS



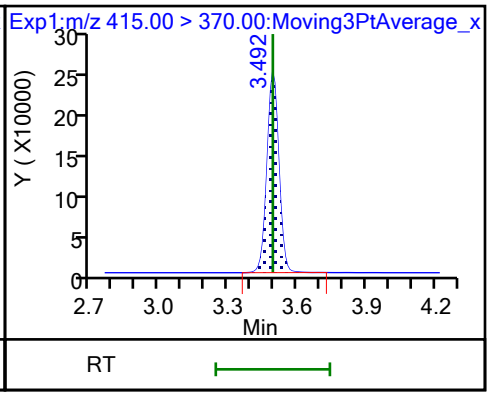
13 1H,1H,2H,2H-perfluorooctanesulfo



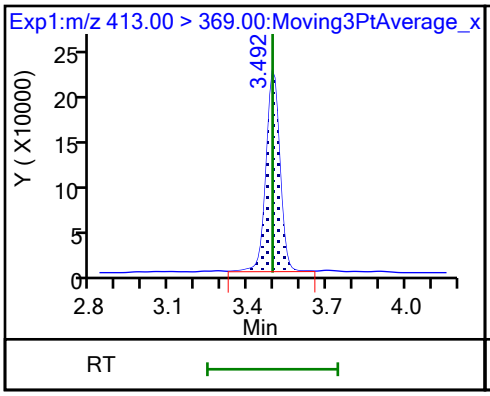
D 14 13C4 PFOA



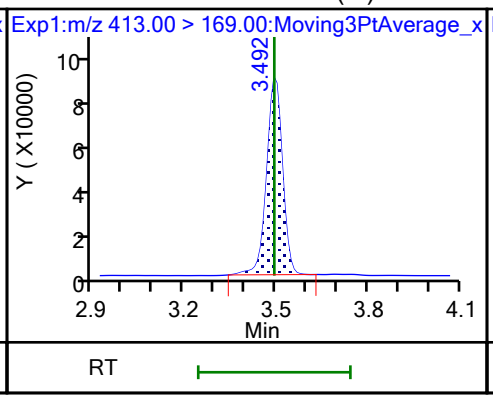
* 62 13C2 PFOA



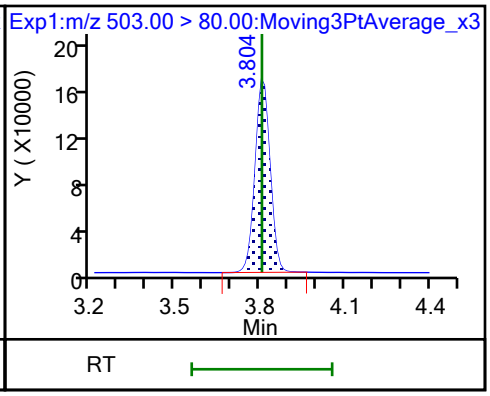
15 Perfluorooctanoic acid



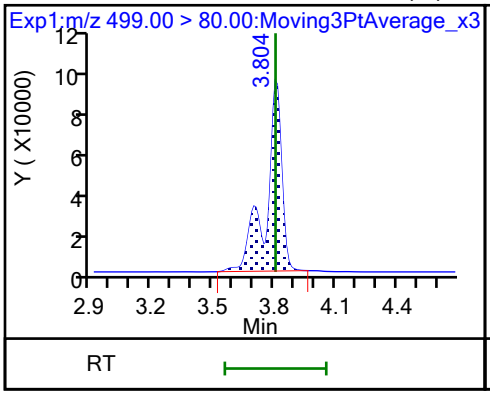
15 Perfluorooctanoic acid (M)



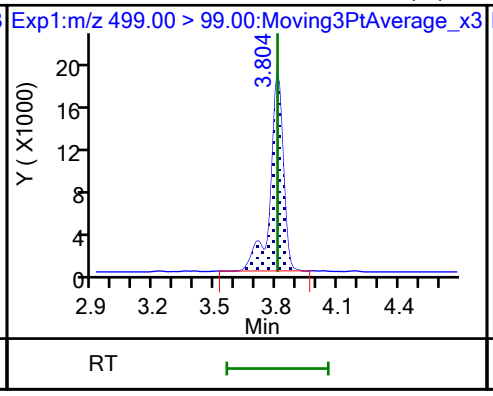
D 18 13C4 PFOS



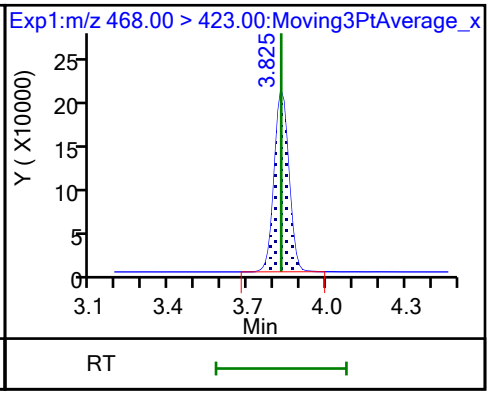
17 Perfluorooctanesulfonic acid (M)



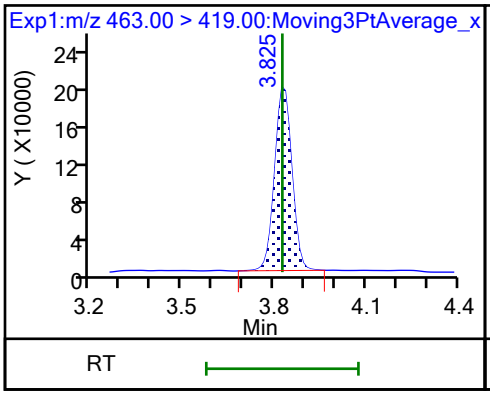
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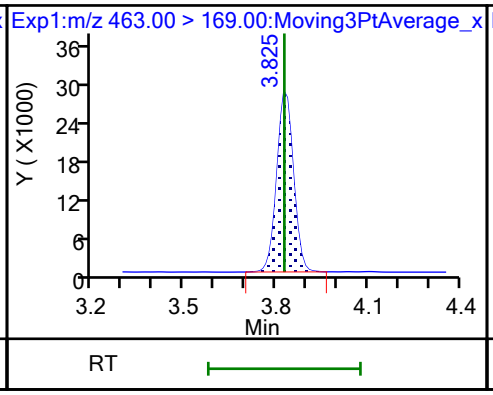
D 19 13C5 PFNA



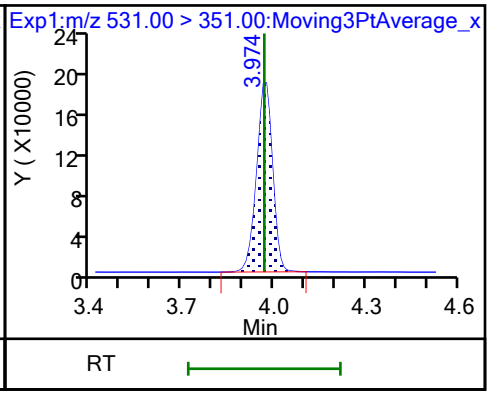
20 Perfluorononanoic acid



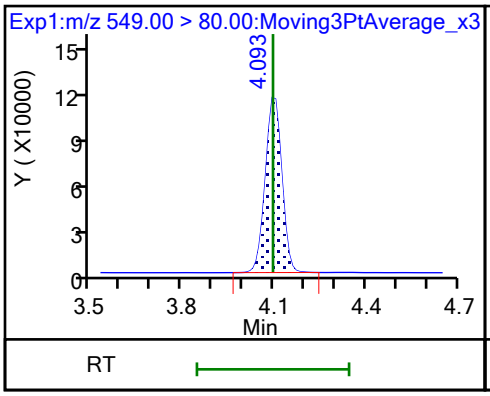
20 Perfluorononanoic acid



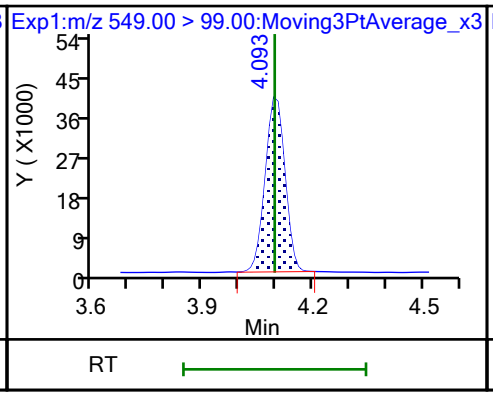
69 9-Chlorohexadecafluoro-3-oxanona (M)



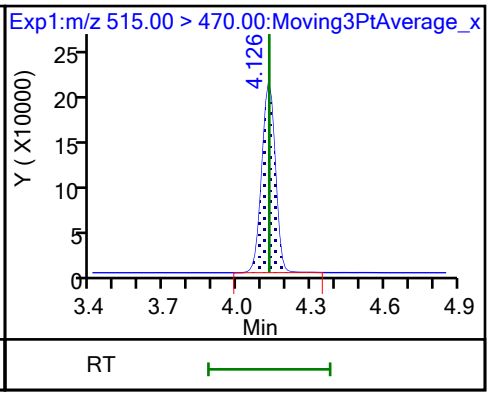
68 Perfluorononanesulfonic acid



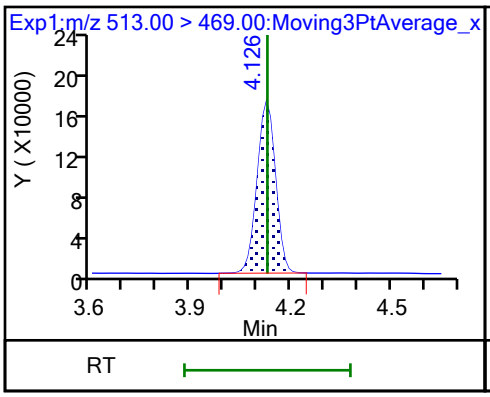
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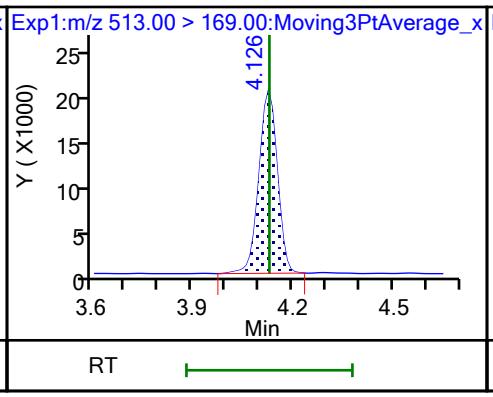
D 23 13C2 PFDA



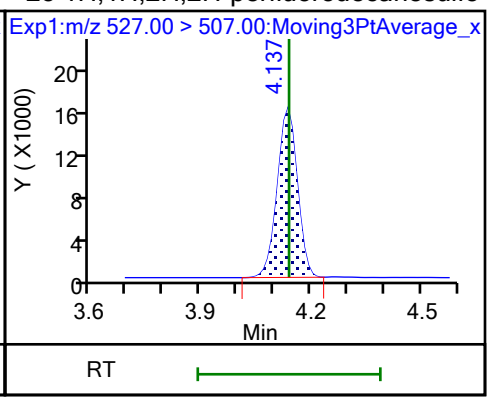
24 Perfluorodecanoic acid



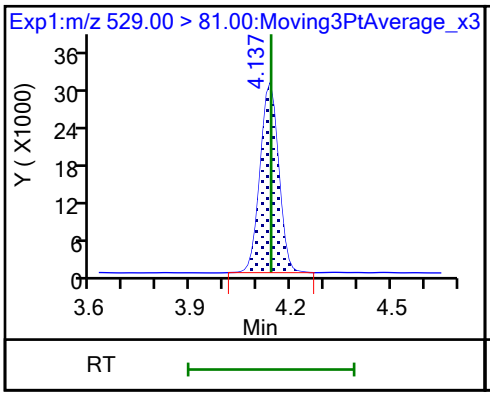
24 Perfluorodecanoic acid



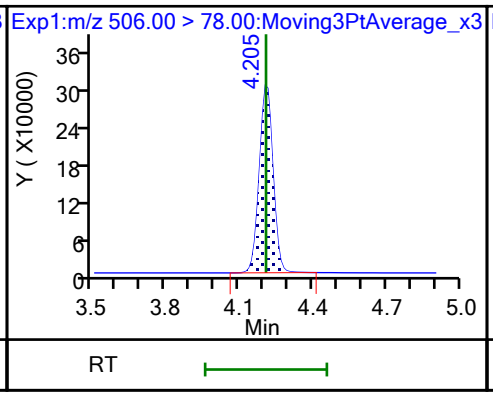
25 1H,1H,2H,2H-perfluorodecanesulfo



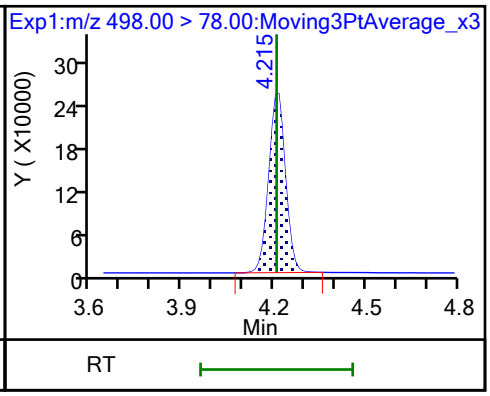
D 26 M2-8:2 FTS



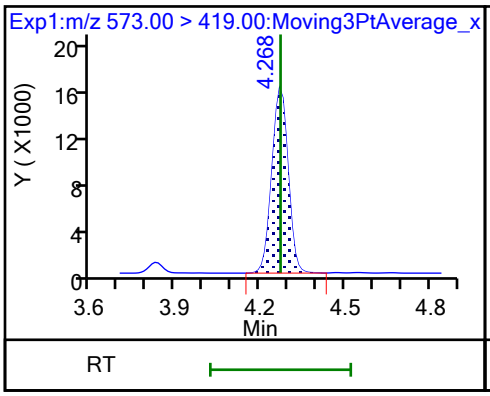
D 21 13C8 FOSA



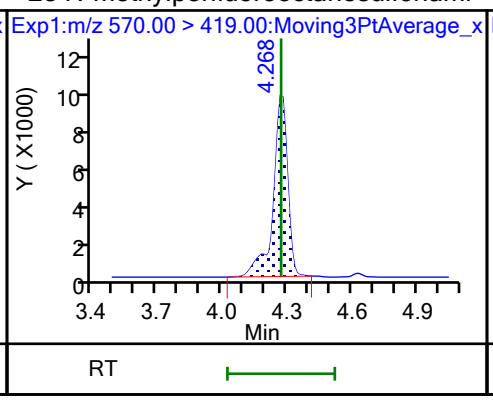
22 Perfluorooctanesulfonamide



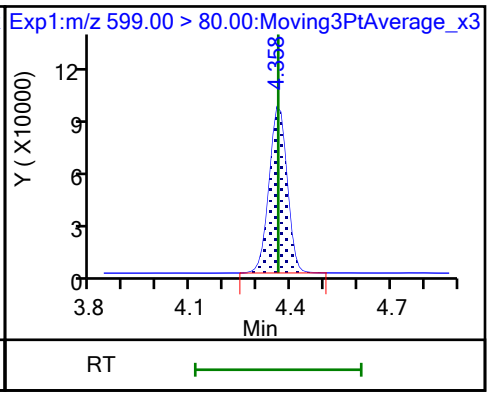
D 27 d3-NMeFOSAA



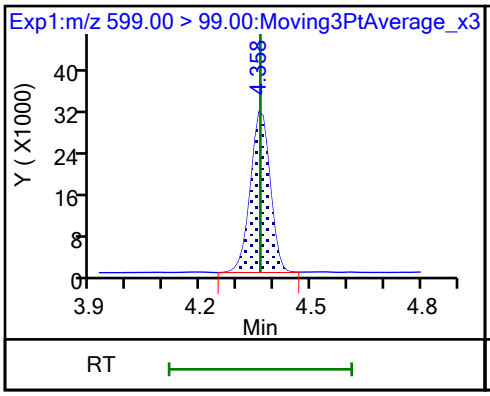
28 N-methylperfluorooctanesulfonami



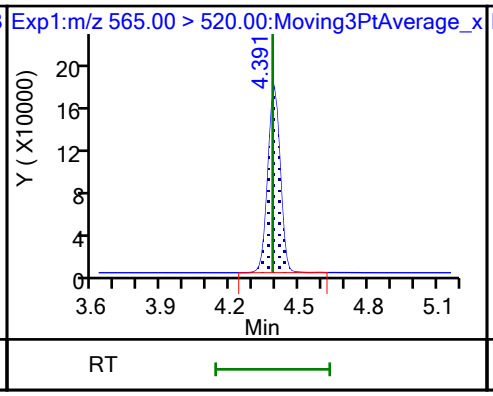
29 Perfluorodecanesulfonic acid



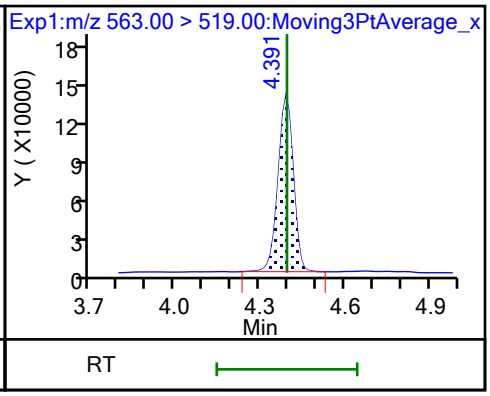
29 Perfluorodecanesulfonic acid



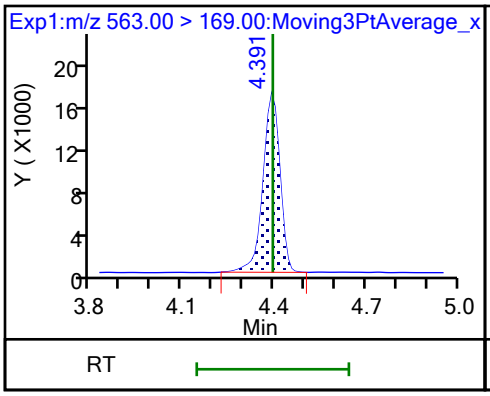
D 30 13C2 PFUnA



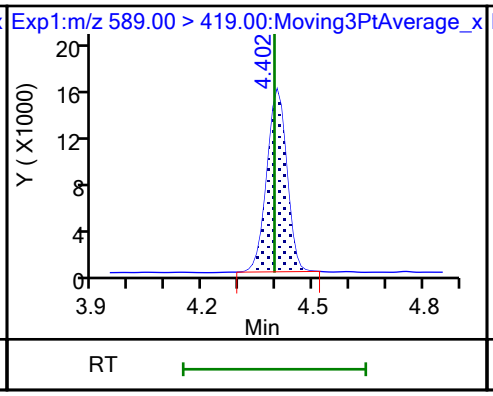
31 Perfluoroundecanoic acid



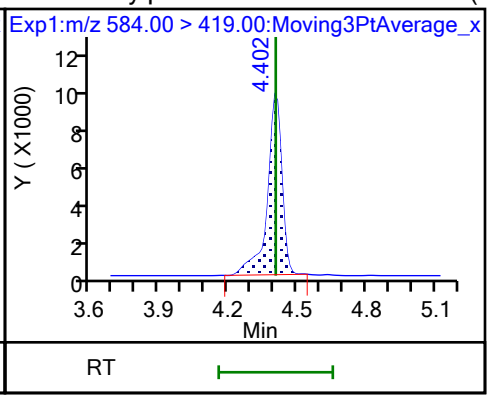
31 Perfluoroundecanoic acid



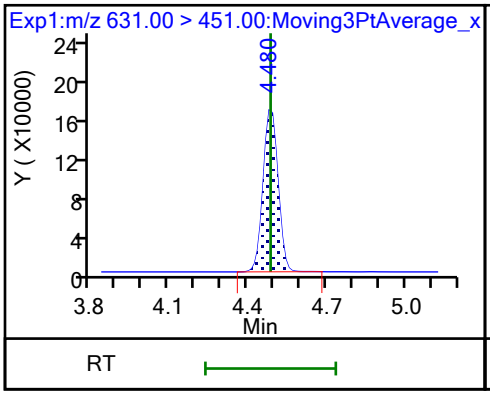
D 32 d5-NEtFOSAA



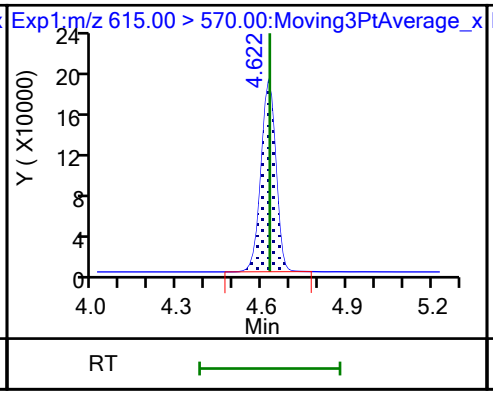
33 N-ethylperfluorooctanesulfonamid (M)



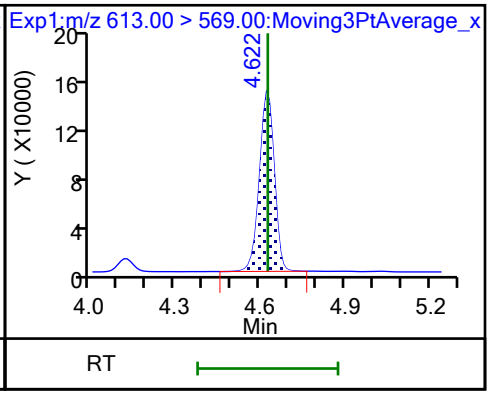
66 11-Chloroeicosafluoro-3-oxaundec



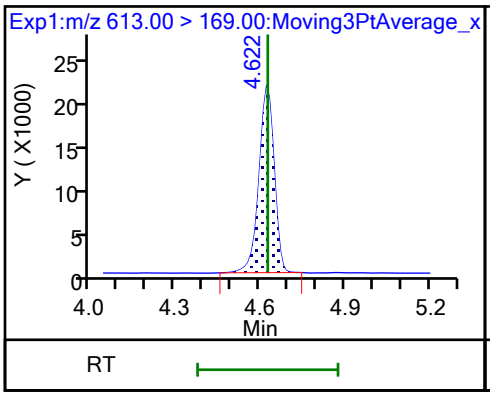
D 36 13C2 PFDoA



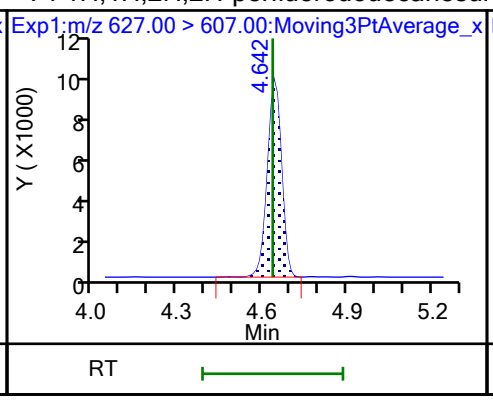
37 Perfluorododecanoic acid



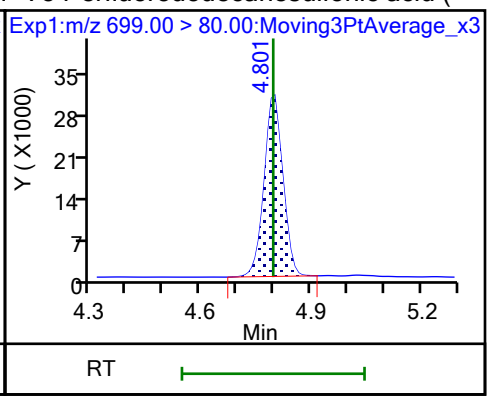
37 Perfluorododecanoic acid



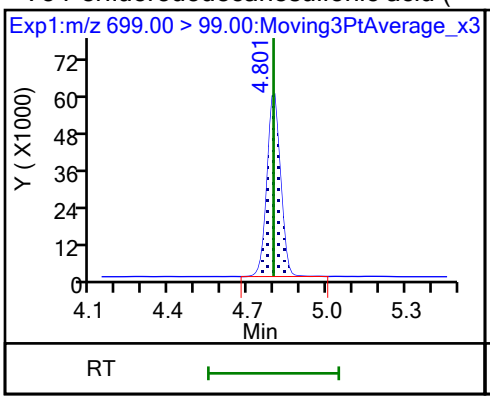
74 1H,1H,2H,2H-perfluorododecanesul



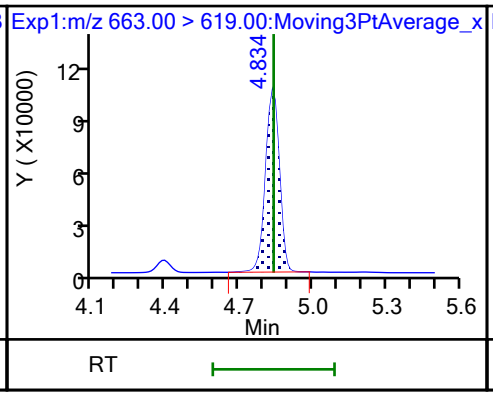
75 Perfluorododecanesulfonic acid (



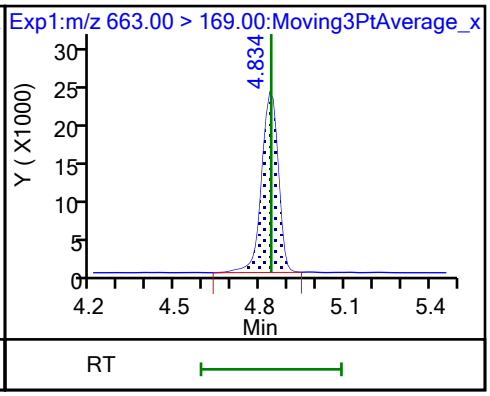
75 Perfluorododecanesulfonic acid (



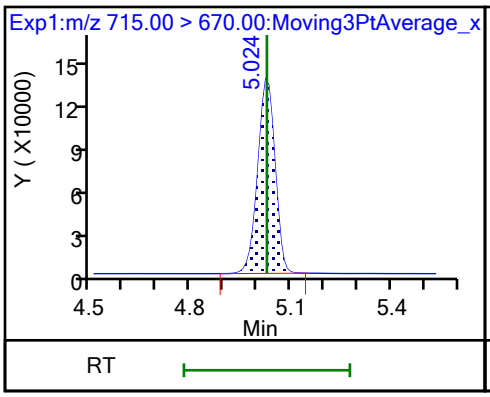
41 Perfluorotridecanoic acid



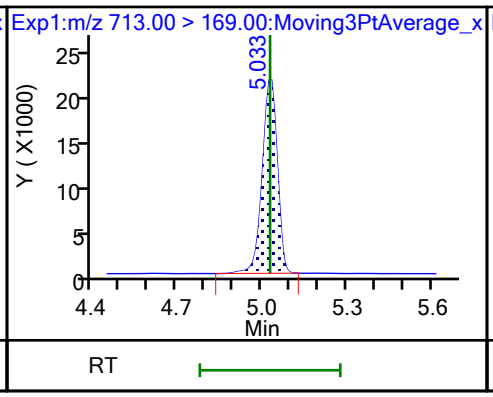
41 Perfluorotridecanoic acid



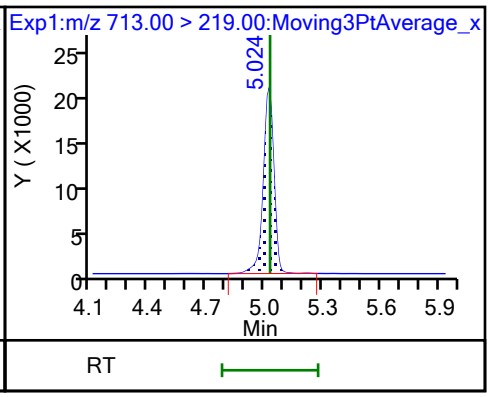
D 43 13C2 PFTeDA



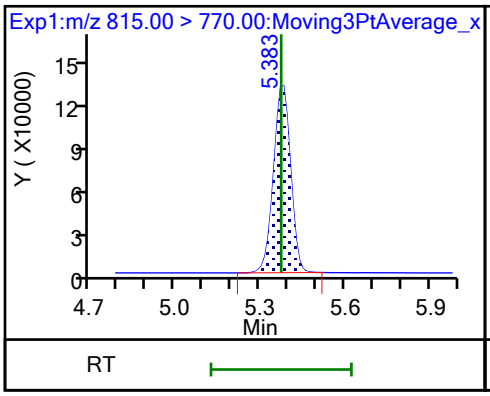
42 Perfluorotetradecanoic acid



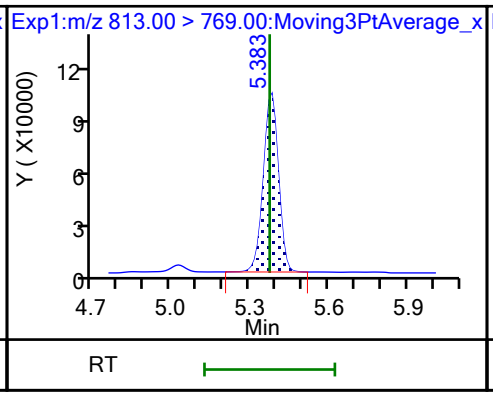
42 Perfluorotetradecanoic acid



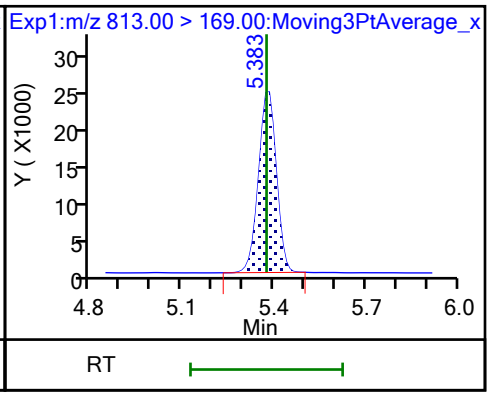
D 44 13C2 PFHxDA



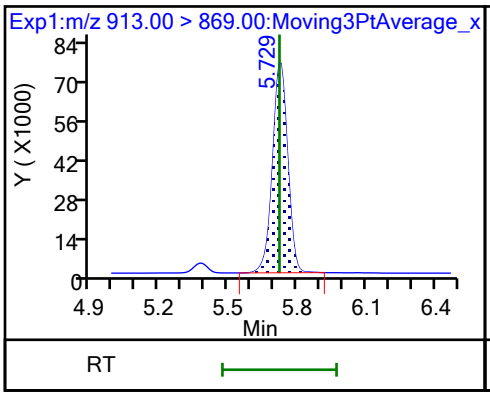
45 Perfluorohexadecanoic acid



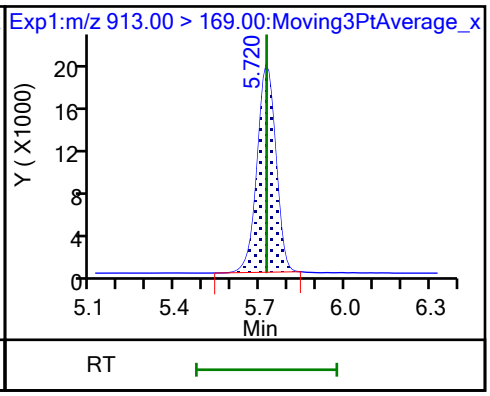
45 Perfluorohexadecanoic acid



46 Perfluorooctadecanoic acid



46 Perfluorooctadecanoic acid



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

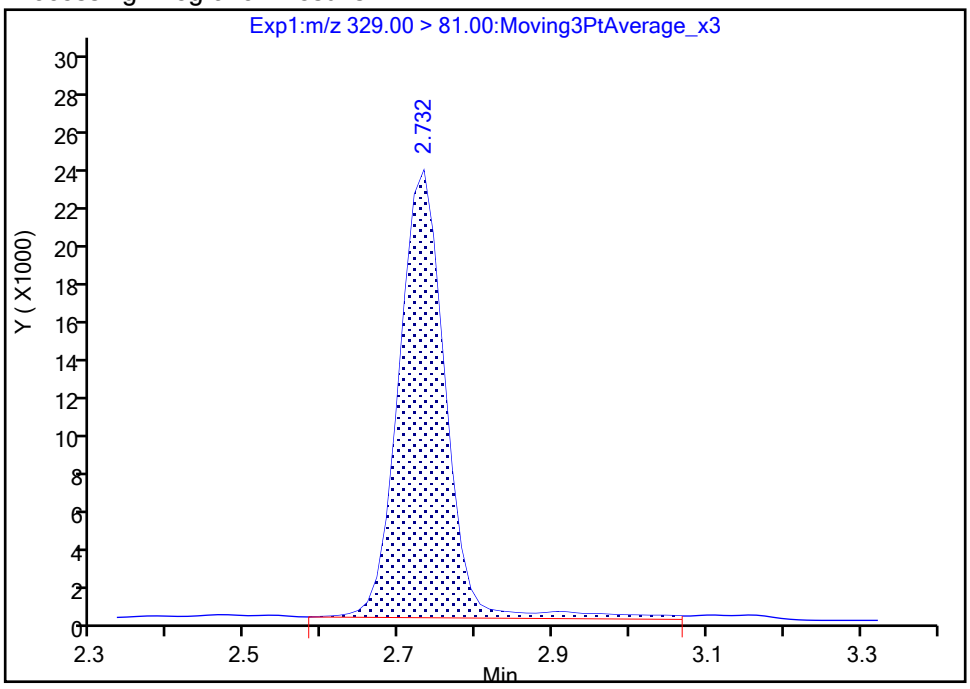
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Injection Date:	22-Dec-2020 13:46:11	Instrument ID:	LC812		
Lims ID:	ICV				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 60 M2-4:2 FTS, CAS: STL02395

Signal: 1

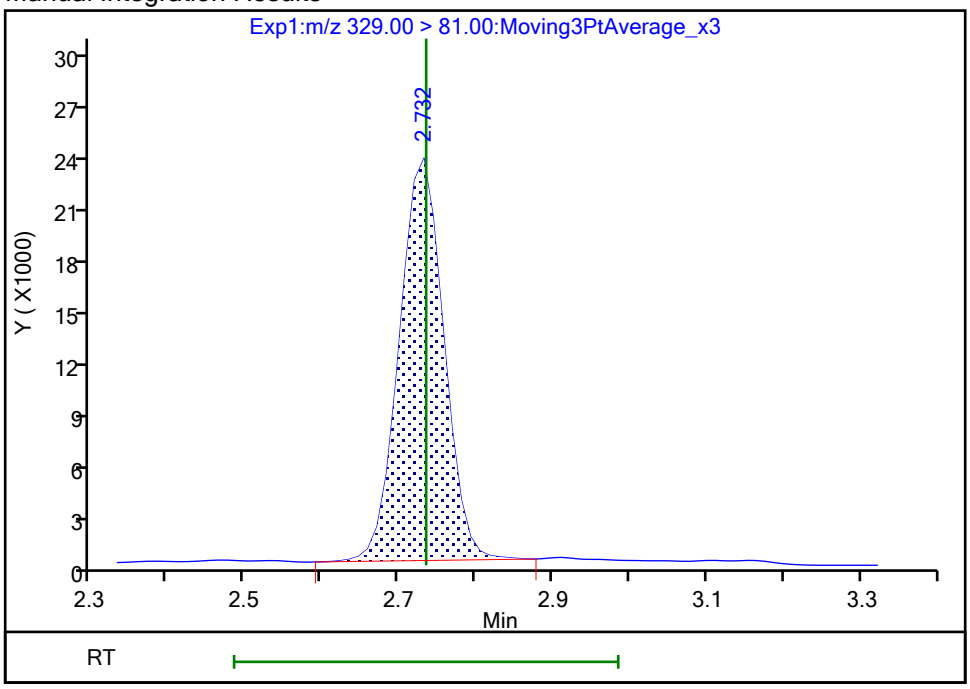
Processing Integration Results

RT: 2.73
Area: 98878
Amount: 1.297723
Amount Units: ng/ml



Manual Integration Results

RT: 2.73
Area: 93671
Amount: 1.229384
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 14:47:09

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

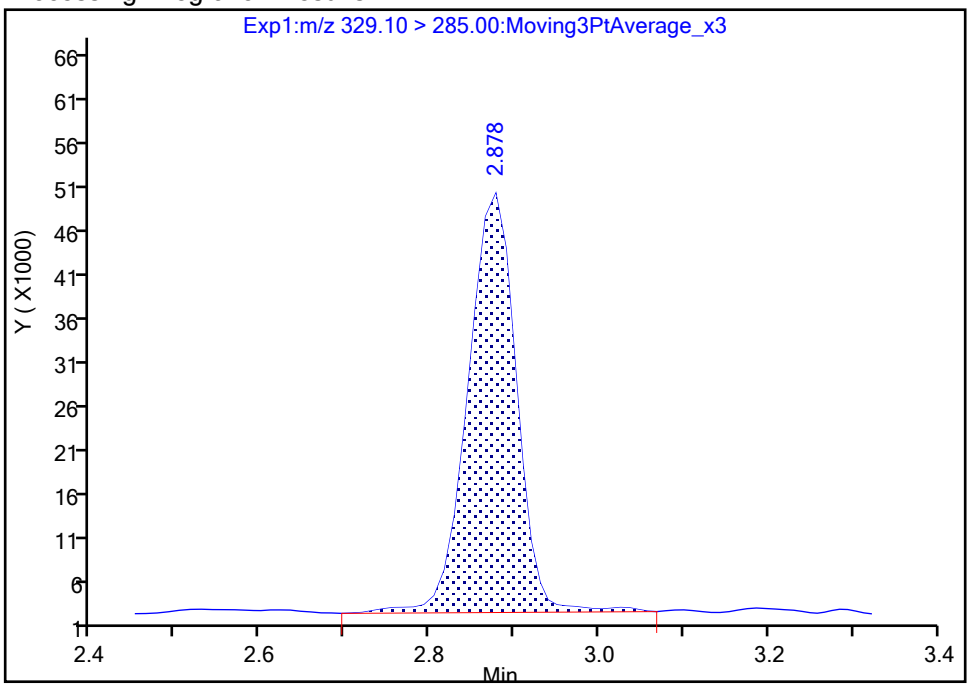
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Injection Date:	22-Dec-2020 13:46:11	Instrument ID:	LC812		
Lims ID:	ICV				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

67 Perfluoro(2-propoxypropanoic) ac, CAS: 13252-13-6

Signal: 1

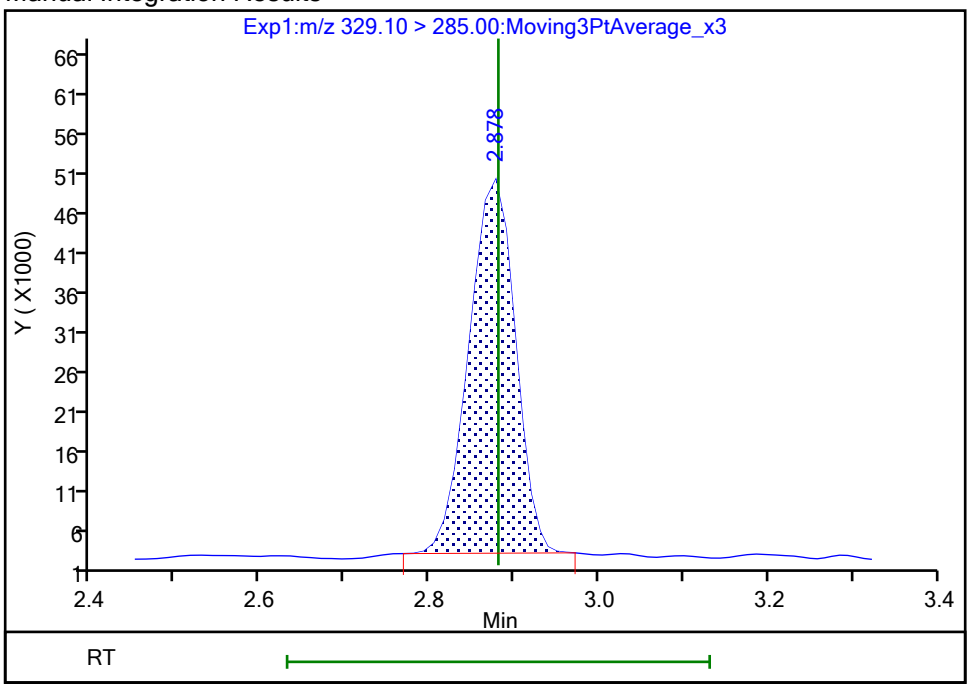
Processing Integration Results

RT: 2.88
Area: 190571
Amount: 1.054238
Amount Units: ng/ml



Manual Integration Results

RT: 2.88
Area: 179615
Amount: 0.993629
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 14:51:39
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

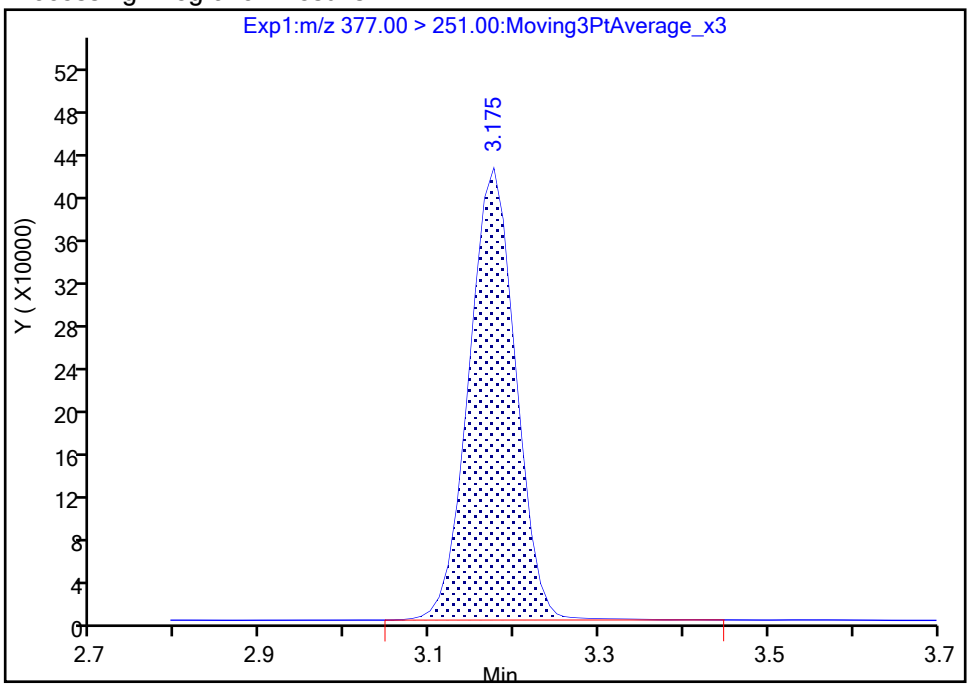
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Injection Date:	22-Dec-2020 13:46:11	Instrument ID:	LC812		
Lims ID:	ICV				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

77 DONA, CAS: 919005-14-4

Signal: 1

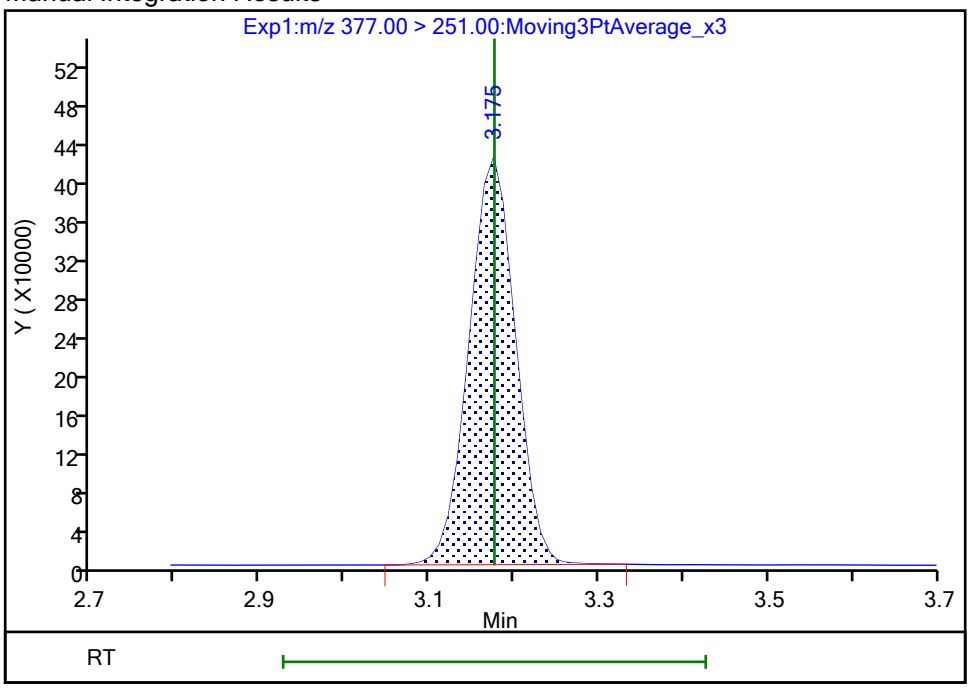
Processing Integration Results

RT: 3.18
Area: 1603901
Amount: 0.938593
Amount Units: ng/ml



Manual Integration Results

RT: 3.18
Area: 1596917
Amount: 0.934506
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 14:52:01

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

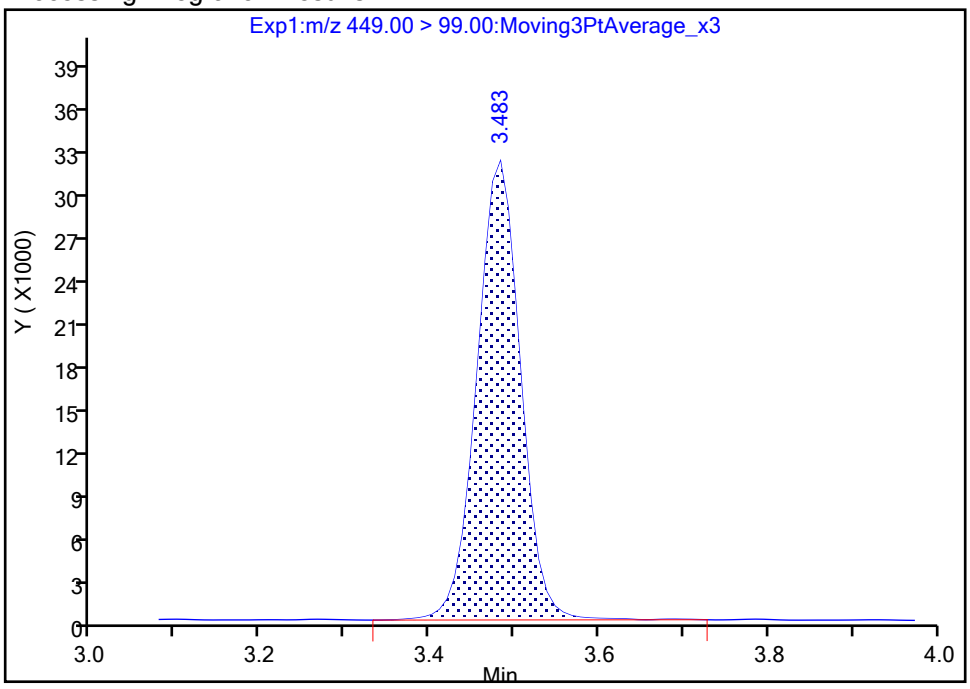
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Injection Date:	22-Dec-2020 13:46:11	Instrument ID:	LC812		
Lims ID:	ICV				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

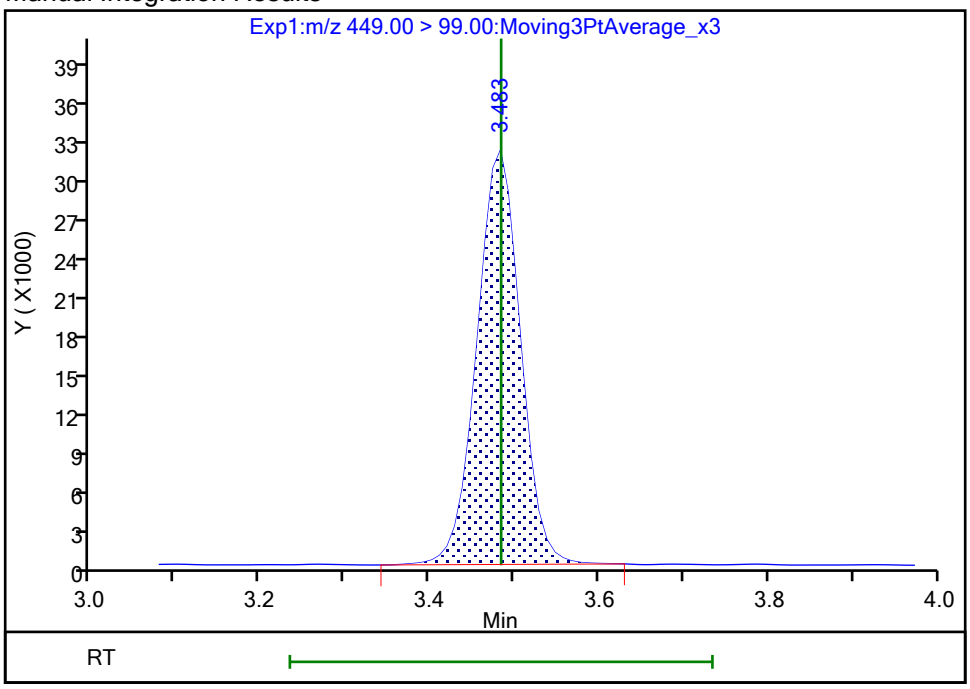
Processing Integration Results

RT: 3.48
Area: 113795
Amount: 0.944028
Amount Units: ng/ml



Manual Integration Results

RT: 3.48
Area: 113064
Amount: 0.944028
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 14:52:59
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

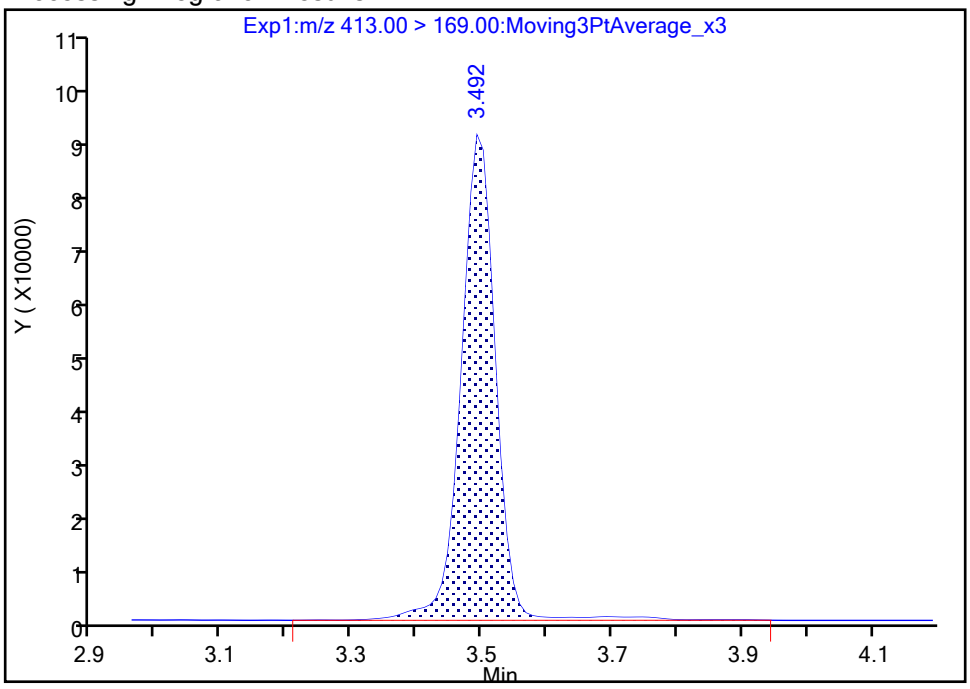
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL015.d				
Injection Date:	22-Dec-2020 13:46:11	Instrument ID:	LC812		
Lims ID:	ICV				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

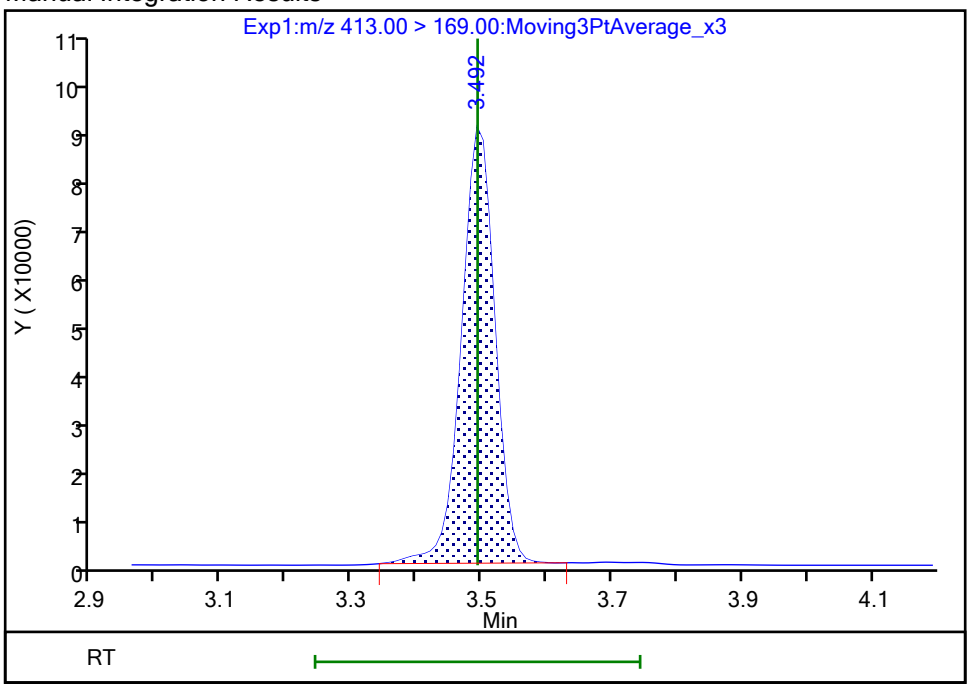
Processing Integration Results

RT: 3.49
Area: 325524
Amount: 0.980093
Amount Units: ng/ml



Manual Integration Results

RT: 3.49
Area: 313074
Amount: 0.980093
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 16:12:49

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

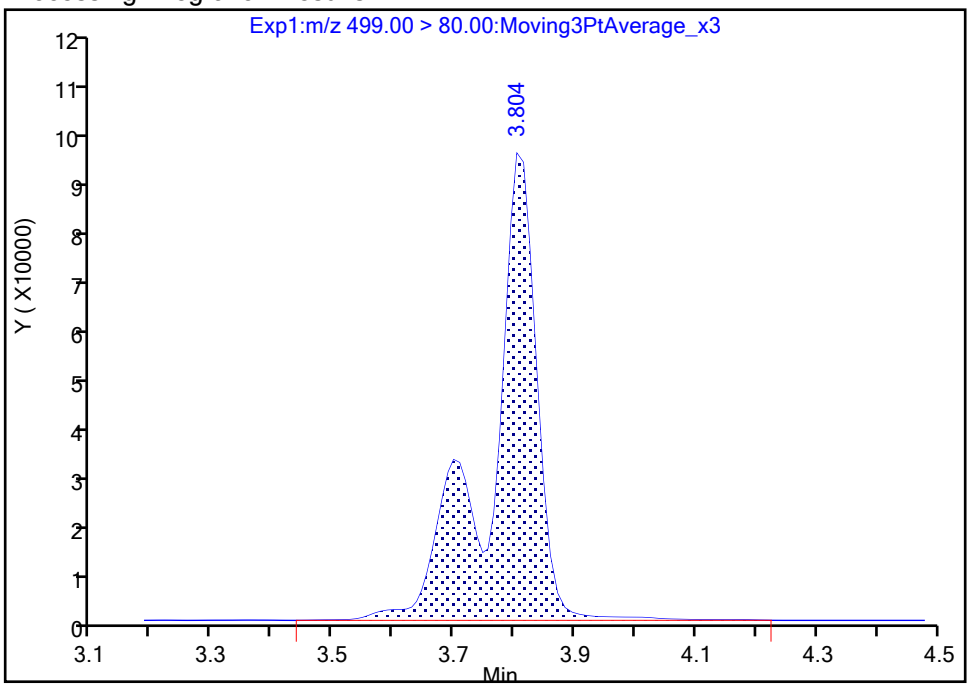
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL015.d				
Injection Date:	22-Dec-2020 13:46:11	Instrument ID:	LC812		
Lims ID:	ICV				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

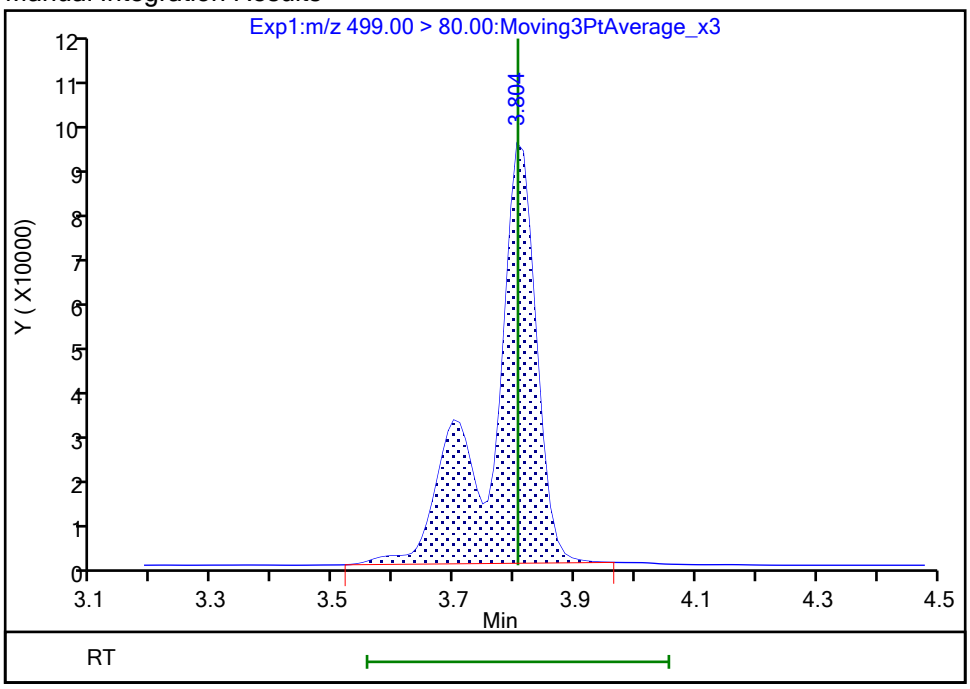
Processing Integration Results

RT: 3.80
Area: 511211
Amount: 0.871004
Amount Units: ng/ml



Manual Integration Results

RT: 3.80
Area: 497497
Amount: 0.847638
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 16:12:58

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

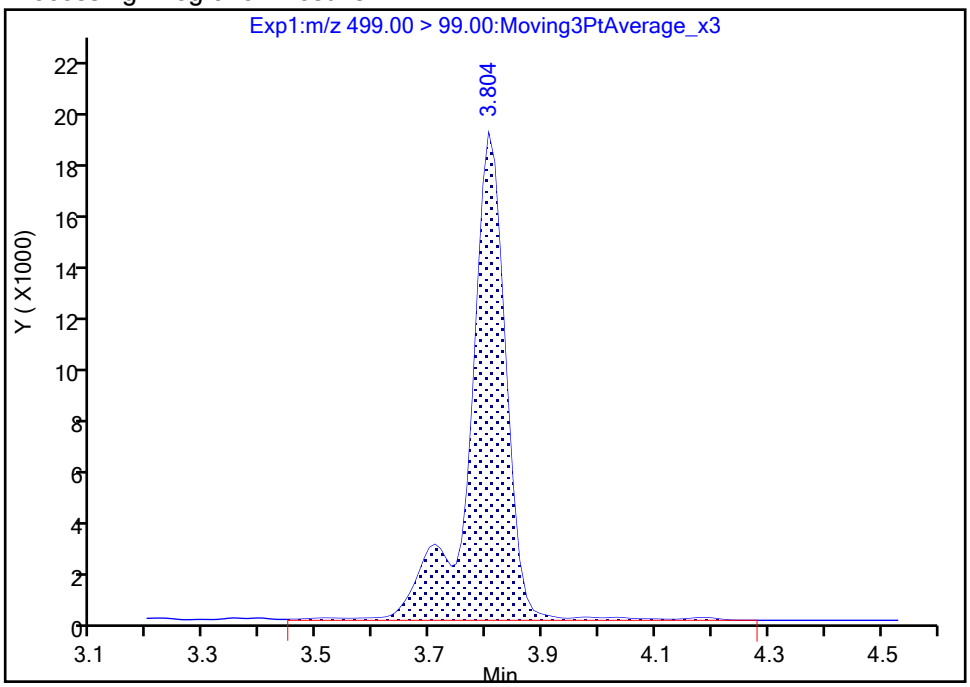
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL015.d				
Injection Date:	22-Dec-2020 13:46:11	Instrument ID:	LC812		
Lims ID:	ICV				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

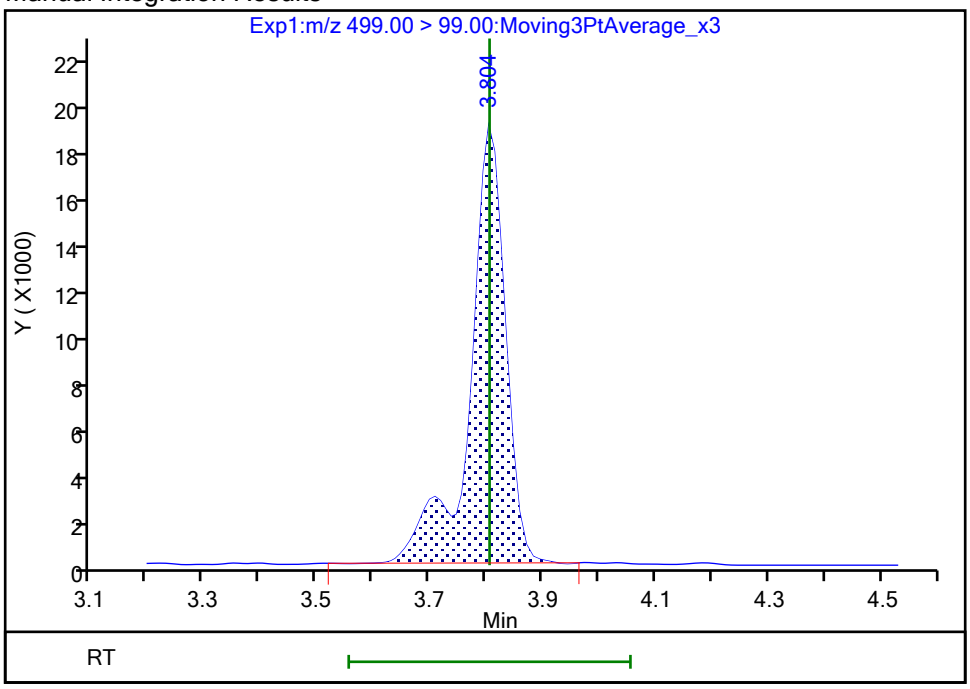
Processing Integration Results

RT: 3.80
Area: 86985
Amount: 0.871004
Amount Units: ng/ml



Manual Integration Results

RT: 3.80
Area: 83138
Amount: 0.847638
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 16:13:03

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

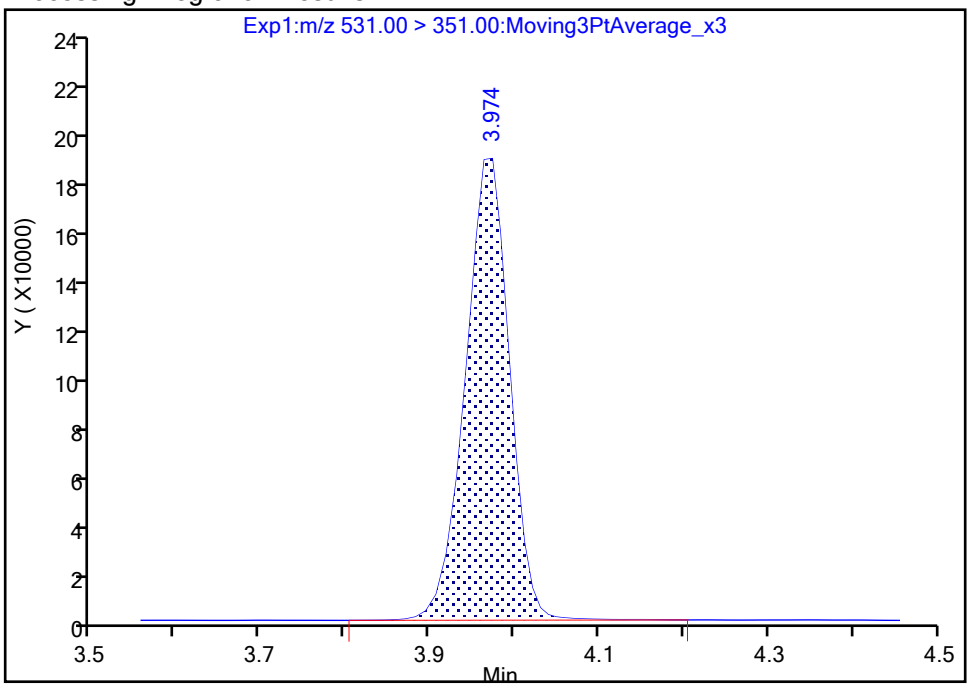
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL015.d				
Injection Date:	22-Dec-2020 13:46:11	Instrument ID:	LC812		
Lims ID:	ICV				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

69 9-Chlorohexadecafluoro-3-oxanona, CAS: 756426-58-1

Signal: 1

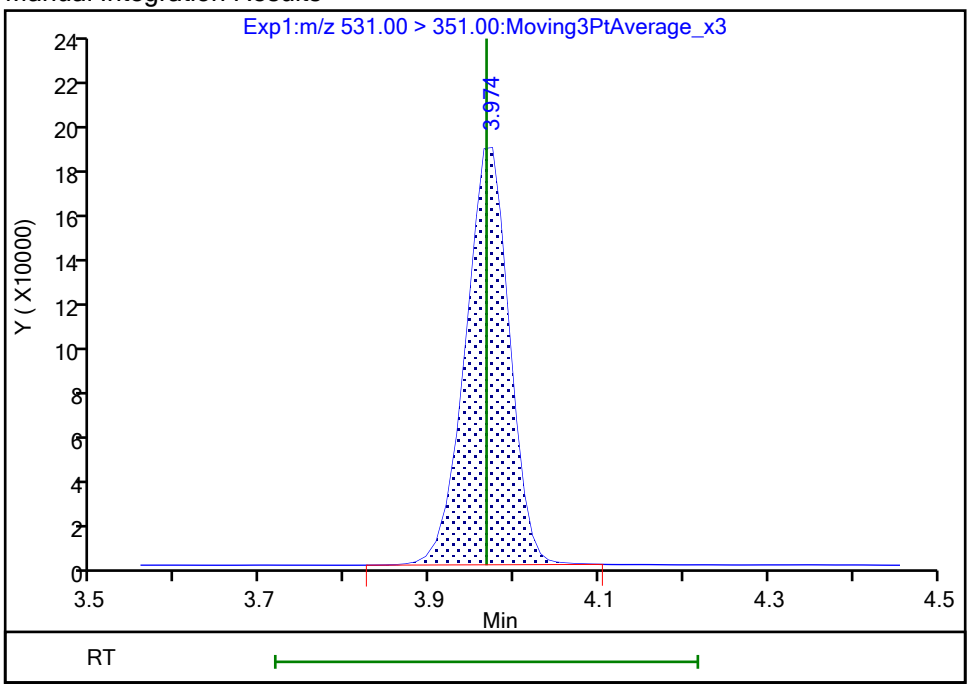
Processing Integration Results

RT: 3.97
Area: 666443
Amount: 1.017705
Amount Units: ng/ml



Manual Integration Results

RT: 3.97
Area: 663606
Amount: 1.013372
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 16:13:11
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

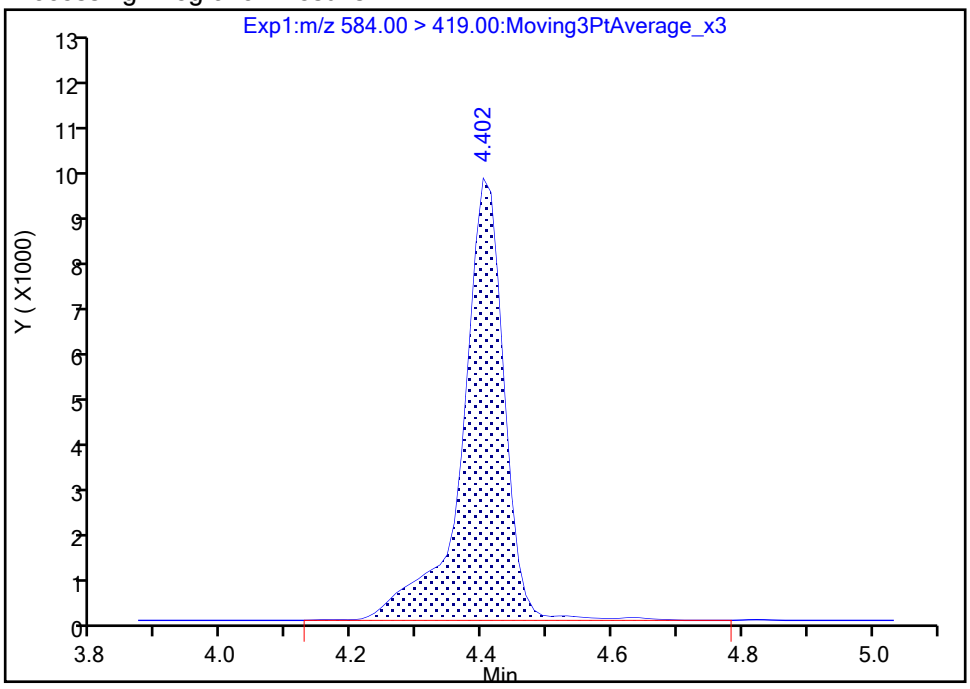
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL015.d				
Injection Date:	22-Dec-2020 13:46:11	Instrument ID:	LC812		
Lims ID:	ICV				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

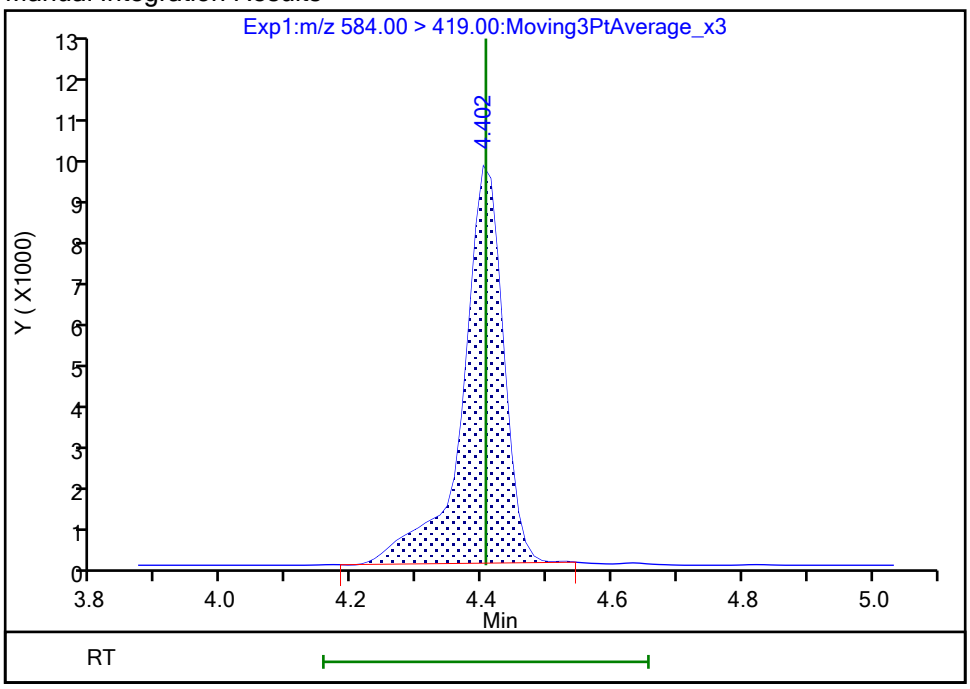
Processing Integration Results

RT: 4.40
Area: 42220
Amount: 0.954286
Amount Units: ng/ml



Manual Integration Results

RT: 4.40
Area: 40925
Amount: 0.925015
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 16:13:33
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM VII
LCMS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Lab Sample ID: CCVL 200-164489/5 Calibration Date: 03/03/2021 16:04

Instrument ID: LC812 Calib Start Date: 12/22/2020 12:48

GC Column: C-18 ID: 4.60(mm) Calib End Date: 12/22/2020 13:29

Lab File ID: PA210303A05.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorobutanoic acid (PFBA)	AveID	1.002	0.9690		0.121	0.125	-3.3	50.0
Perfluoropentanoic acid (PFPeA)	AveID	1.107	1.120		0.0506	0.0500	1.2	50.0
Perfluorobutanesulfonic acid (PFBS)	AveID	1.131	1.201		0.0469	0.0442	6.2	50.0
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	AveID	1.834	1.650		0.0420	0.0467	-10.0	50.0
Perfluorohexanoic acid (PFHxA)	AveID	1.092	1.141		0.0522	0.0500	4.4	50.0
Perfluoropentanesulfonic acid	AveID	1.312	1.279		0.0457	0.0469	-2.5	50.0
HFPO-DA	AveID	1.385	1.638		0.118	0.100	18.3	50.0
Perfluoroheptanoic acid (PFHpA)	AveID	1.092	1.060		0.0485	0.0500	-2.9	50.0
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.178	1.279		0.0494	0.0455	8.6	50.0
DONA	AveID	3.349	3.300		0.0464	0.0471	-1.5	50.0
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	AveID	1.112	0.9177		0.0978	0.119	-17.5	50.0
Perfluoroheptanesulfonic Acid (PFHpS)	AveID	1.350	1.277		0.0450	0.0476	-5.4	50.0
Perfluorooctanoic acid (PFOA)	AveID	1.084	1.129		0.0521	0.0500	4.1	50.0
Perfluorooctanesulfonic acid (PFOS)	AveID	1.150	1.142		0.0461	0.0464	-0.7	50.0
Perfluorononanoic acid (PFNA)	AveID	1.107	1.009		0.0456	0.0500	-8.8	50.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	AveID	1.283	1.037		0.0376	0.0466	-19.2	50.0
Perfluorononanesulfonic acid	AveID	0.8581	0.7083		0.0396	0.0480	-17.5	50.0
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	AveID	0.6801	0.4819		0.0339	0.0479	-29.1	50.0
Perfluorodecanoic acid (PFDA)	AveID	1.031	1.129		0.0548	0.0500	9.6	50.0
Perfluorooctanesulfonamide (PFOSA)	AveID	1.002	0.9944		0.0496	0.0500	-0.8	50.0
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	0.8864	0.8180		0.115	0.125	-7.7	50.0
Perfluorodecanesulfonic acid (PFDS)	AveID	0.6841	0.6486		0.0457	0.0482	-5.2	50.0
Perfluoroundecanoic acid (PFUnA)	AveID	1.020	1.077		0.0528	0.0500	5.6	50.0
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.9257	0.997		0.135	0.125	7.7	50.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	AveID	1.331	1.043		0.0369	0.0471	-21.7	50.0
Perfluorododecanoic acid (PFDoA)	AveID	1.100	1.039		0.0472	0.0500	-5.6	50.0
10:2 FTS	AveID	0.3501	0.2789		0.0384	0.0482	-20.3	50.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.2517	0.2420		0.0465	0.0484	-3.8	50.0
Perfluorotridecanoic acid (PFTriA)	AveID	0.8926	0.9077		0.0508	0.0500	1.7	50.0

FORM VII 537 (modified)

FORM VII
LCMS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Lab Sample ID: CCVL 200-164489/5 Calibration Date: 03/03/2021 16:04

Instrument ID: LC812 Calib Start Date: 12/22/2020 12:48

GC Column: C-18 ID: 4.60(mm) Calib End Date: 12/22/2020 13:29

Lab File ID: PA210303A05.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorotetradecanoic acid (PFTeA)	AveID	0.1855	0.2124		0.0573	0.0500	14.5	50.0
Perfluoro-n-hexadecanoic acid (PFHxDA)	L1ID		1.238		0.0512	0.0500	2.5	50.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	0.8998	0.8267		0.0459	0.0500	-8.1	50.0
13C4 PFBA	Ave	1.343	1.412		1.31	1.25	5.1	50.0
13C5 PFPeA	Ave	0.9710	1.022		1.32	1.25	5.3	50.0
13C3 PFBS	Ave	1.278	1.292		1.18	1.16	1.1	50.0
M2-4:2 FTS	Ave	0.1066	0.1014		1.11	1.17	-4.9	50.0
13C2 PFHxA	Ave	1.018	1.053		1.29	1.25	3.5	50.0
13C3 HFPO-DA	Ave	0.1792	0.1142		0.797	1.25	-36.3	50.0
13C4 PFHpA	Ave	0.9742	1.017		1.30	1.25	4.4	50.0
18O2 PFHxS	Ave	0.9511	0.9510		1.18	1.18	-0.0	50.0
M2-6:2 FTS	Ave	0.1187	0.1263		1.26	1.19	6.4	50.0
13C4 PFOA	Ave	0.9896	0.9841		1.24	1.25	-0.6	50.0
13C4 PFOS	Ave	0.6528	0.6874		1.26	1.20	5.3	50.0
13C5 PFNA	Ave	0.8730	0.8564		1.23	1.25	-1.9	50.0
13C2 PFDA	Ave	0.8346	0.7545		1.13	1.25	-9.6	50.0
M2-8:2 FTS	Ave	0.1225	0.1198		1.17	1.20	-2.2	50.0
13C8 FOSA	Ave	1.227	1.243		1.27	1.25	1.3	50.0
d3-NMeFOSAA	Ave	0.0605	0.0565		1.17	1.25	-6.7	50.0
13C2 PFUnA	Ave	0.6856	0.5914		1.08	1.25	-13.7	50.0
d5-NEtFOSAA	Ave	0.0585	0.0521		1.11	1.25	-10.9	50.0
13C2 PFDoA	Ave	0.7238	0.6174		1.07	1.25	-14.7	50.0
13C2 PFTeDA	Ave	0.5353	0.4385		1.02	1.25	-18.1	50.0
13C2 PFHxDA	Ave	0.5718	0.4420		0.966	1.25	-22.7	50.0

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A05.d
Lims ID: CCVL
Client ID:
Sample Type: CCVL
Inject. Date: 03-Mar-2021 16:04:16 ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: CCVL
Misc. Info.: 200-0045031-005 Plate: 1 Rack: 1
Operator ID: lc812tech Instrument ID: LC812
Sublist: chrom-PFC_LC812*sub3

Method: \\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 04-Mar-2021 11:29:56 Calib Date: 22-Dec-2020 13:29:37
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1647

First Level Reviewer: deannd Date: 03-Mar-2021 16:25:42
Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.082	2.091	-0.009	0.596	1417091	1.31		105	11532	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.091	2.091	0.0	1.004	137315	0.1209		96.7	34.7	M
D 3 13C5 PFPeA										M
267.90 > 223.00	2.414	2.413	0.001	0.691	1025635	1.32		105	3700	M
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.414	2.413	0.001	1.000	45966	0.0506		101	3.0	M
D 47 13C3 PFBS										M
301.90 > 80.00	2.427	2.439	-0.012	0.695	1205365	1.18		101	229246	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.427	2.439	-0.012	1.000	55061	0.0469	Target=2.21	106	129	M
298.90 > 99.00	2.427	2.439	-0.012	1.000	22902		2.40(1.11-3.32)		22.5	M
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.735	2.734	0.001	0.783	95012	1.11		95.1	120	M
61 1H,1H,2H,2H-perfluorohexanesulfo										M
327.00 > 307.00	2.735	2.734	0.001	1.000	6270	0.0420		90.0	150	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.771	2.770	0.001	0.793	1056527	1.29		103	3537	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.771	2.770	0.001	1.000	48215	0.0522	Target=12.83	104	12.3	M
313.00 > 119.00	2.771	2.770	0.001	1.000	3691		13.06(6.42-19.25)		6.4	M
70 Perfluoropentanesulfonic acid										
349.00 > 80.00	2.771	2.783	-0.012	0.885	45803	0.0457	Target=3.35	97.5	177	
349.00 > 99.00	2.771	2.783	-0.012	0.885	14088		3.25(1.67-5.02)		37.0	
D 64 13C3 HFPO-DA										
332.10 > 287.00	2.881	2.880	0.001	0.825	114578	0.7967		63.7	836	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
67 Perfluoro(2-propoxypropanoic) ac										M
329.10 > 285.00	2.881	2.880	0.001	1.000	15018	0.1183		118	3.5	M
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.133	3.132	0.001	1.000	44437	0.0494	Target=4.15	109	188	M
399.00 > 99.00	3.133	3.132	0.001	1.000	11227		3.96(2.08-6.23)		14.8	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.133	3.132	0.001	0.897	902612	1.18		100	1644	
D 9 13C4 PFHpA										
367.00 > 322.00	3.133	3.143	-0.010	0.897	1019959	1.30		104	3013	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.133	3.143	-0.010	1.000	43266	0.0485	Target=3.66	97.1	17.8	M
363.00 > 169.00	3.133	3.143	-0.010	1.000	11307		3.83(1.83-5.49)		29.4	M
77 DONA										M
377.00 > 251.00	3.176	3.175	0.001	0.835	85746	0.0464	Target=2.43	98.5	185	M
377.00 > 85.00	3.176	3.175	0.001	0.835	35489		2.42(1.22-3.65)		81.5	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.484	3.483	0.001	0.916	33542	0.0450	Target=5.95	94.6	225	M
449.00 > 99.00	3.475	3.483	-0.008	0.913	5258		6.38(2.98-8.93)		29.2	M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.484	3.483	0.001	0.997	120420	1.26		106	462	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.484	3.483	0.001	1.000	11028	0.0978		82.5	145	M
D 14 13C4 PFOA										
417.00 > 372.00	3.493	3.492	0.001	1.000	987324	1.24		99.4	2906	
* 62 13C2 PFOA										
415.00 > 370.00	3.493	3.492	0.001		1003287	1.25			3174	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.493	3.492	0.001	1.000	44572	0.0521	Target=2.58	104	15.2	M
413.00 > 169.00	3.493	3.492	0.001	1.000	18363		2.43(1.29-3.87)		93.6	M
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.806	3.804	0.002	1.000	29231	0.0461	Target=5.65	99.3	38.8	M
499.00 > 99.00	3.806	3.804	0.002	1.000	5675		5.15(2.82-8.47)		33.4	M
D 18 13C4 PFOS										
503.00 > 80.00	3.806	3.804	0.002	1.089	659331	1.26		105	2828	
D 19 13C5 PFNA										
468.00 > 423.00	3.826	3.825	0.001	1.095	859175	1.23		98.1	2618	
20 Perfluorononanoic acid										M
463.00 > 419.00	3.826	3.825	0.001	1.000	34689	0.0456	Target=7.44	91.2	8.1	M
463.00 > 169.00	3.826	3.825	0.001	1.000	5551		6.25(3.72-11.16)		84.8	M
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.967	3.964	0.003	1.042	26656	0.0376		80.8	287	
68 Perfluorononanesulfonic acid										M
549.00 > 80.00	4.095	4.093	0.002	1.076	18758	0.0396	Target=2.54	82.5	217	M
549.00 > 99.00	4.095	4.093	0.002	1.076	7928		2.37(1.27-3.81)		29.3	
D 23 13C2 PFDA										
515.00 > 470.00	4.118	4.126	-0.008	1.179	756944	1.13		90.4	2122	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.118	4.126	-0.008	1.000	34184	0.0548	Target=9.29	110	36.0	M
513.00 > 169.00	4.118	4.126	-0.008	1.000	3911		8.74(4.64-13.93)		55.4	M
D 26 M2-8:2 FTS										M
529.00 > 81.00	4.129	4.137	-0.008	1.182	115168	1.17		97.8	493	M
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.118	4.137	-0.019	0.997	2220	0.0339		70.9	40.7	
D 21 13C8 FOSA										
506.00 > 78.00	4.217	4.225	-0.008	1.207	1247458	1.27		101	4062	
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.217	4.225	-0.008	1.000	49617	0.0496		99.2	471	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.260	4.268	-0.008	1.219	56697	1.17		93.3	761	M
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.272	4.268	0.004	1.003	4638	0.1154		92.3	26.4	
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.351	4.358	-0.007	1.143	17249	0.0457	Target=2.80	94.8	148	M
599.00 > 99.00	4.351	4.358	-0.007	1.143	4855		3.55(1.40-4.19)		32.0	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.384	4.391	-0.007	1.255	593361	1.08		86.3	2336	
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.384	4.391	-0.007	1.000	25559	0.0528	Target=8.12	106	19.4	M
563.00 > 169.00	4.384	4.391	-0.007	1.000	2974		8.59(4.06-12.18)		54.5	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.395	4.402	-0.007	1.258	52286	1.11		89.1	731	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.395	4.402	-0.007	1.000	5214	0.1347		108	126	M
66 11-Chloroeicosafluoro-3-oxaundec										M
631.00 > 451.00	4.473	4.480	-0.007	1.175	27108	0.0369		78.3	539	M
D 36 13C2 PFDoA										
615.00 > 570.00	4.606	4.612	-0.006	1.318	619450	1.07		85.3	2753	
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.616	4.612	0.004	1.002	25737	0.0472	Target=6.91	94.4	11.2	M
613.00 > 169.00	4.606	4.612	-0.006	1.000	4002		6.43(3.45-10.36)		101	M
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.627	4.633	-0.006	1.120	1293	0.0384		79.7	32.8	M
75 Perfluorododecanesulfonic acid (										M
699.00 > 80.00	4.779	4.784	-0.005	1.256	6463	0.0465	Target=0.51	96.2	111	
699.00 > 99.00	4.779	4.784	-0.005	1.256	12538		0.52(0.26-0.77)		70.9	M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.815	4.823	-0.008	1.045	22490	0.0508	Target=4.39	102	13.4	M
663.00 > 169.00	4.815	4.823	-0.008	1.045	5480		4.10(2.20-6.59)		108	M
D 43 13C2 PFTeDA										
715.00 > 670.00	4.998	5.005	-0.007	1.431	439927	1.02		81.9	2889	
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.008	5.005	0.003	1.002	3738	0.0573	Target=1.06	115	125	M
713.00 > 219.00	4.998	5.005	-0.007	1.000	3599		1.04(0.53-1.59)		118	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 44 13C2 PFHxDA										
815.00 > 770.00	5.341	5.349	-0.008	1.529	443431	0.9662		77.3	2084	
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.341	5.349	-0.008	1.000	21965	0.0512	Target=3.84	102	12.6	M
813.00 > 169.00	5.341	5.349	-0.008	1.000	5666		3.88(1.92-5.76)		163	M
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.658	5.665	-0.007	1.060	14664	0.0459	Target=3.92	91.9	20.1	M
913.00 > 169.00	5.658	5.665	-0.007	1.060	4369		3.36(1.96-5.88)		158	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

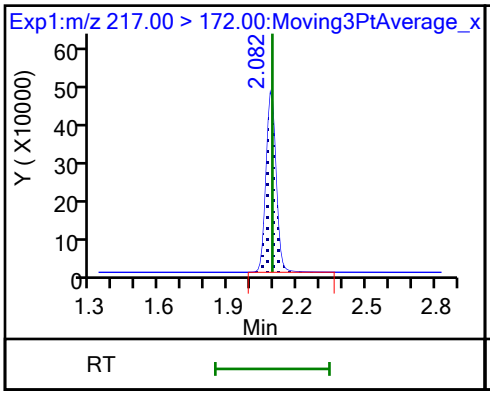
PFAS32NCLOQV_00013 Amount Added: 100.00 Units: uL

Report Date: 04-Mar-2021 11:29:56 Chrom Revision: 2.3 05-Feb-2021 00:13:28

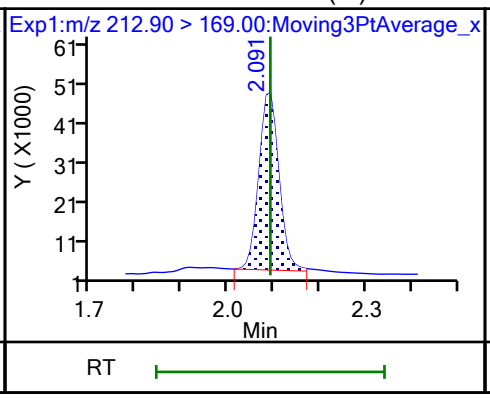
Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A05.d
Injection Date: 03-Mar-2021 16:04:16 Instrument ID: LC812
Lims ID: CCVL
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL

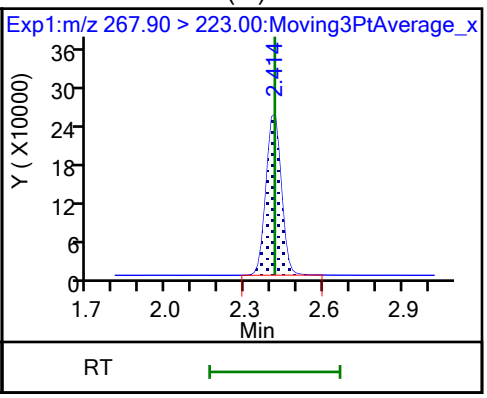
D 1 13C4 PFBA



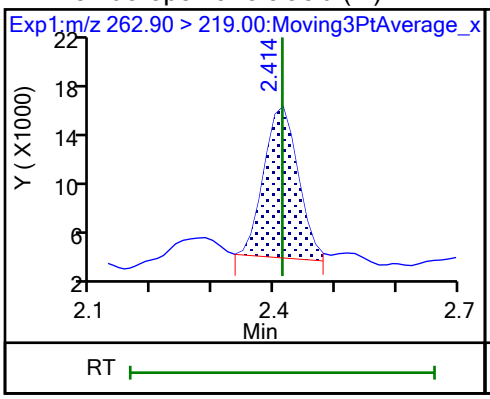
2 Perfluorobutanoic acid (M)



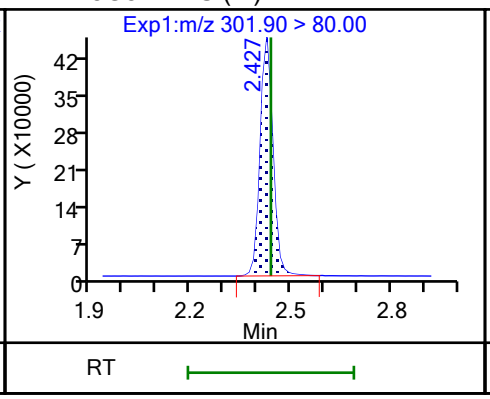
D 3 13C5 PFPeA (M)



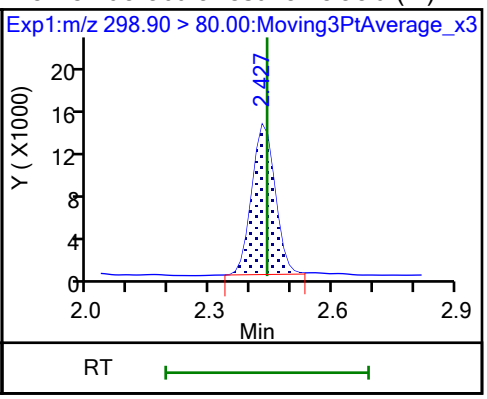
4 Perfluoropentanoic acid (M)



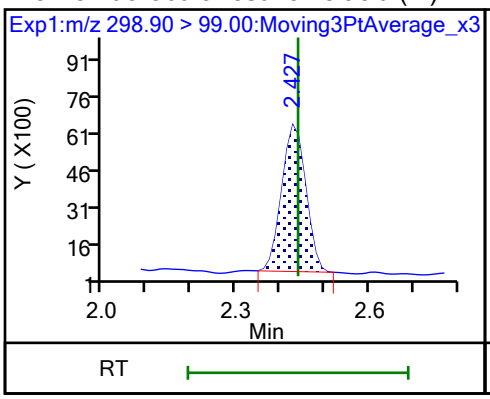
D 47 13C3 PFBS (M)



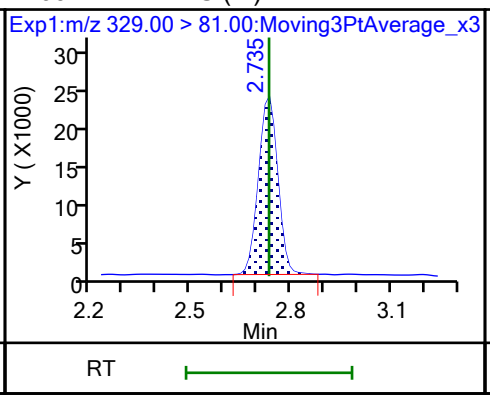
5 Perfluorobutanesulfonic acid (M)



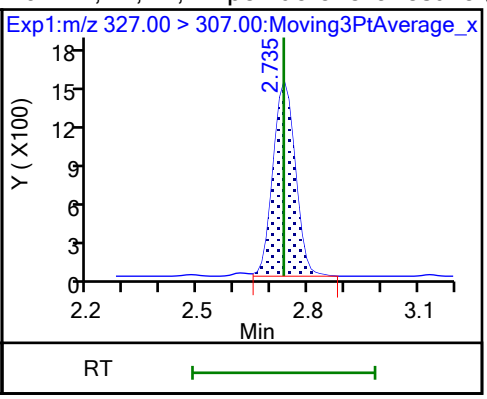
5 Perfluorobutanesulfonic acid (M)



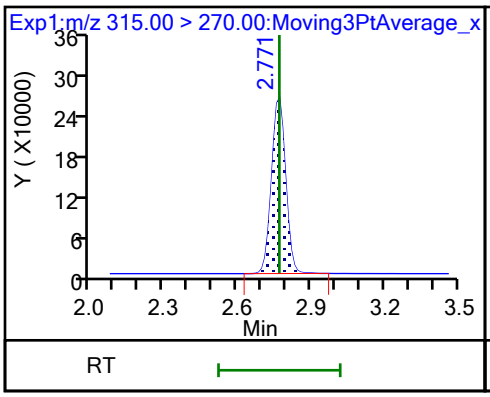
D 60 M2-4:2 FTS (M)



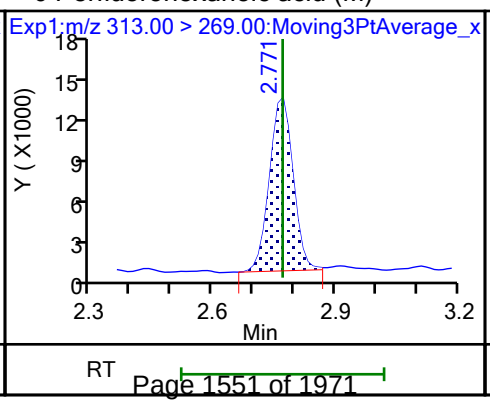
61 1H,1H,2H,2H-perfluorohexanesulfo (M)



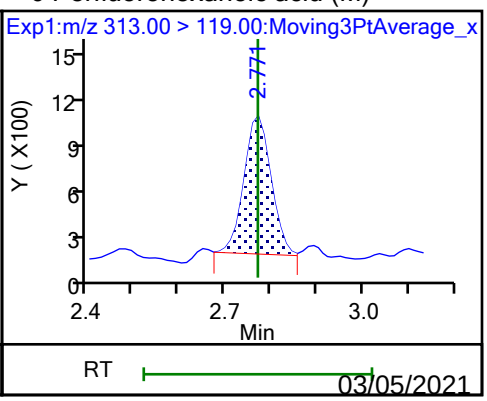
D 7 13C2 PFHxA



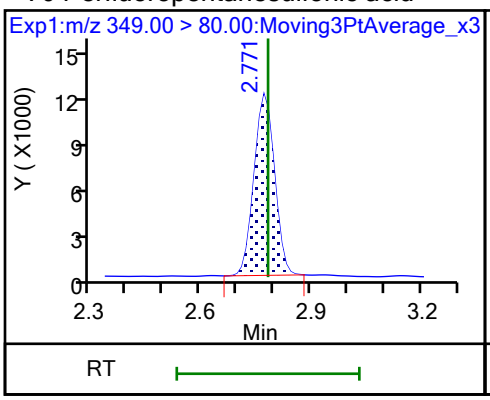
6 Perfluorohexanoic acid (M)



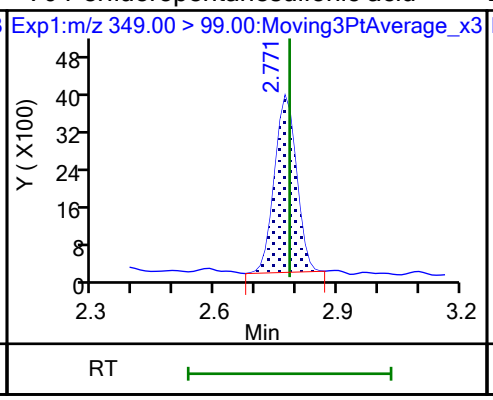
6 Perfluorohexanoic acid (M)



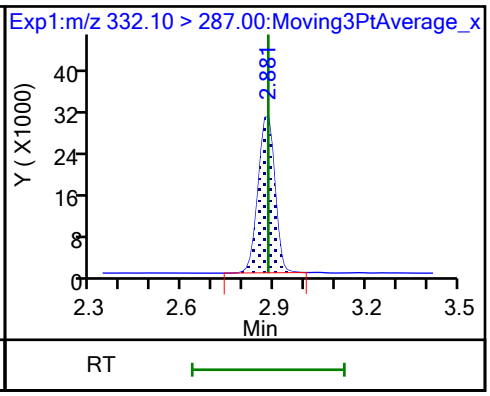
70 Perfluoropentanesulfonic acid



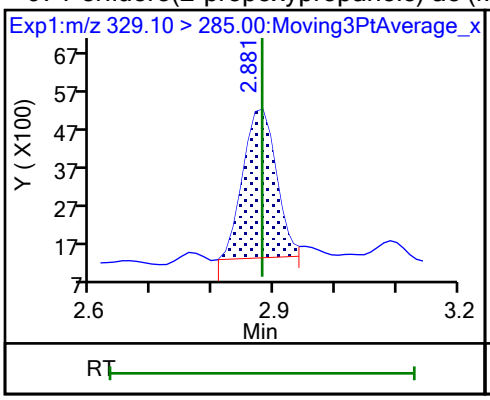
70 Perfluoropentanesulfonic acid



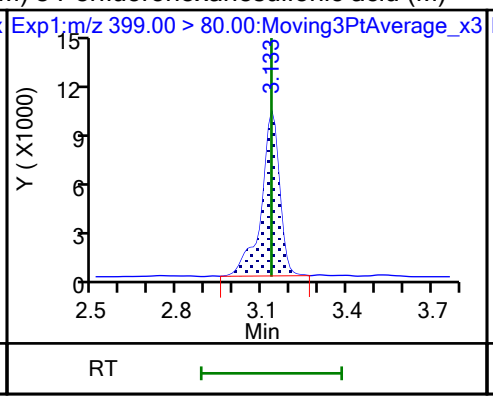
D 64 13C3 HFPO-DA



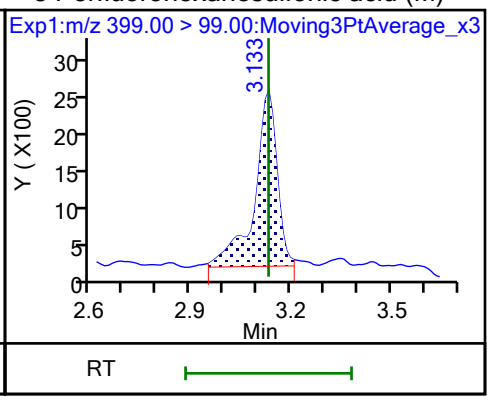
67 Perfluoro(2-propoxypropanoic) ac (M)



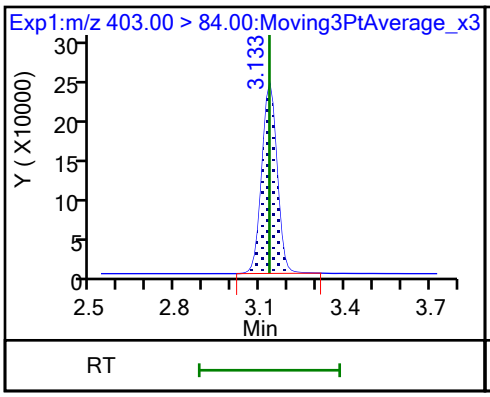
8 Perfluorohexanesulfonic acid (M)



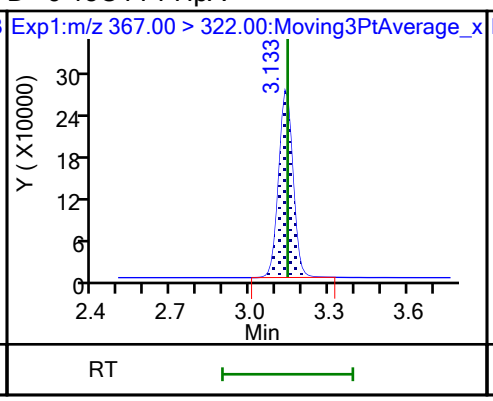
8 Perfluorohexanesulfonic acid (M)



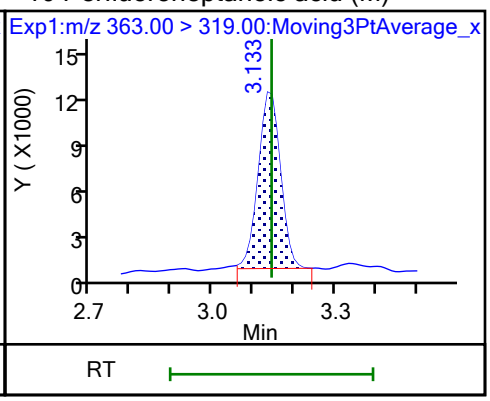
D 11 18O2 PFHxS



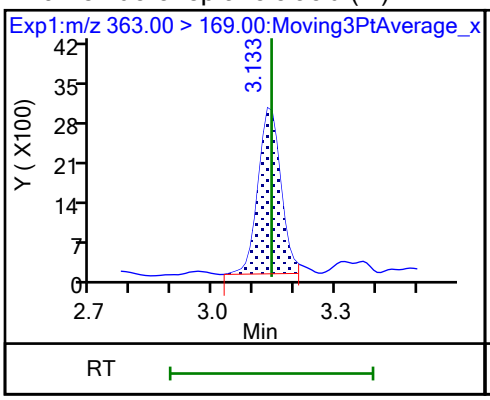
D 9 13C4 PFHpA



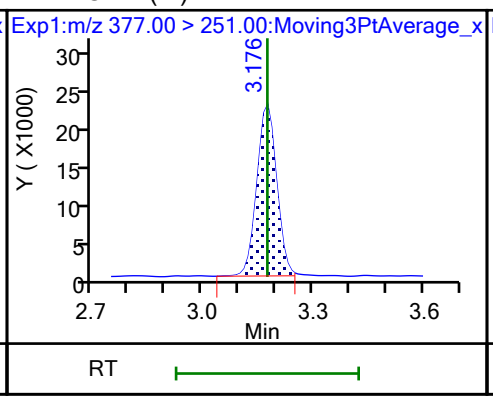
10 Perfluoroheptanoic acid (M)



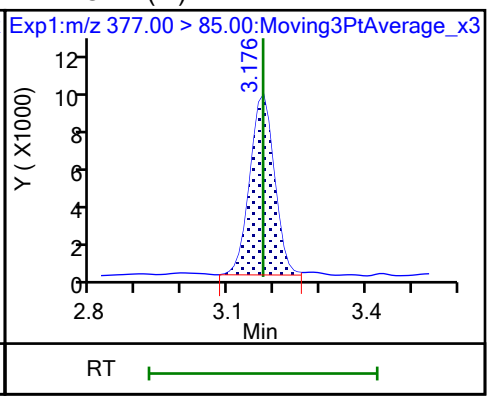
10 Perfluoroheptanoic acid (M)



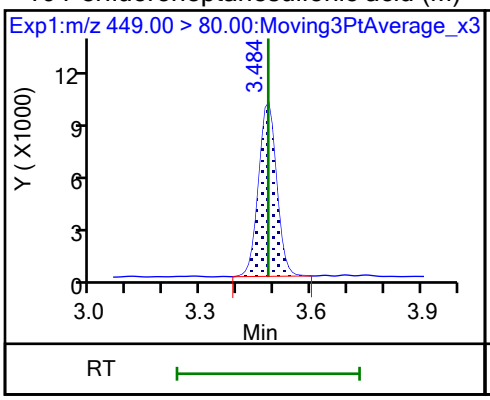
77 DONA (M)



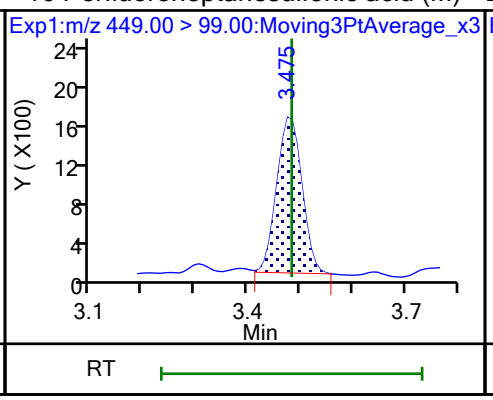
77 DONA (M)



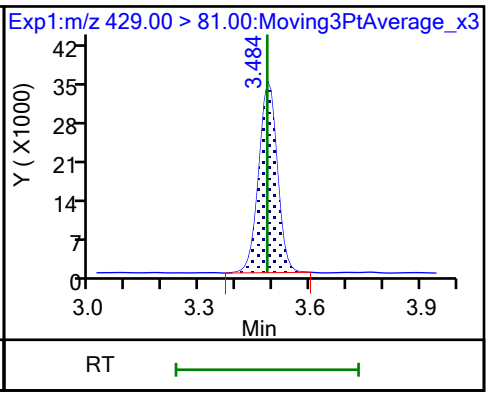
16 Perfluoroheptanesulfonic acid (M)



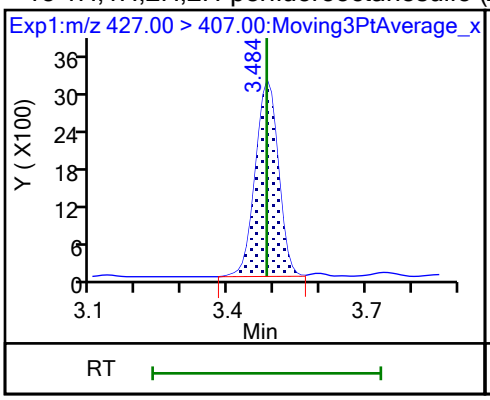
16 Perfluoroheptanesulfonic acid (M)



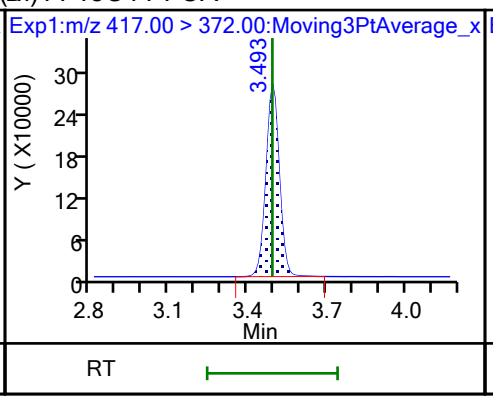
D 12 M2-6:2 FTS



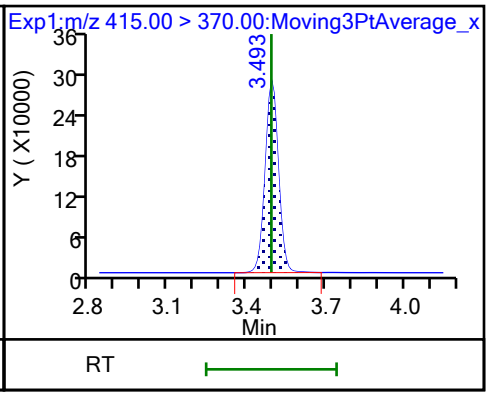
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



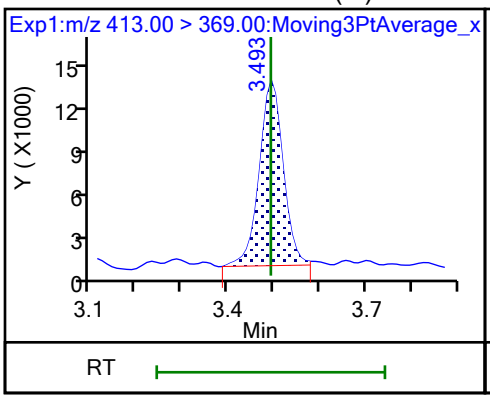
D 14 13C4 PFOA



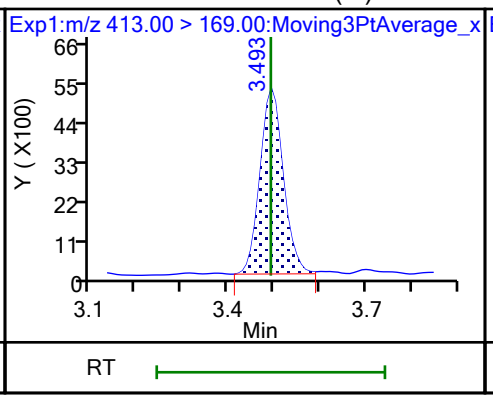
* 62 13C2 PFOA



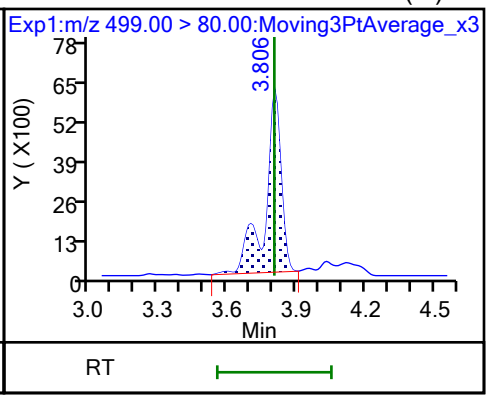
15 Perfluorooctanoic acid (M)



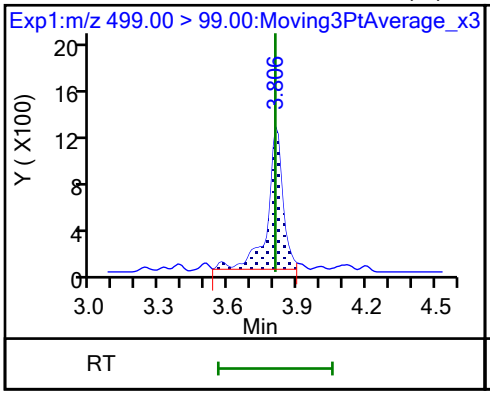
15 Perfluorooctanoic acid (M)



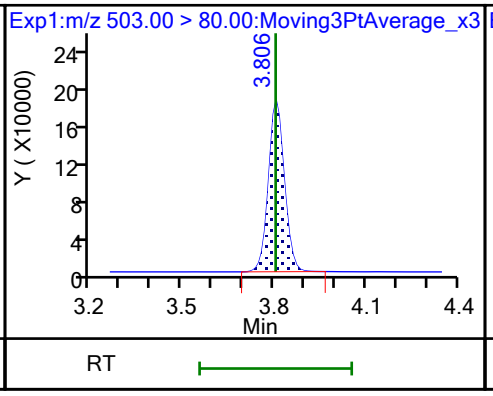
17 Perfluorooctanesulfonic acid (M)



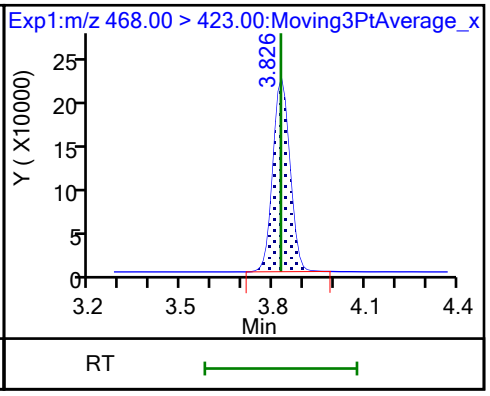
17 Perfluorooctanesulfonic acid (M)



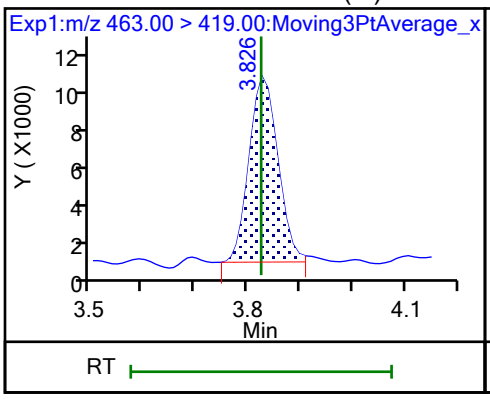
D 18 13C4 PFOS



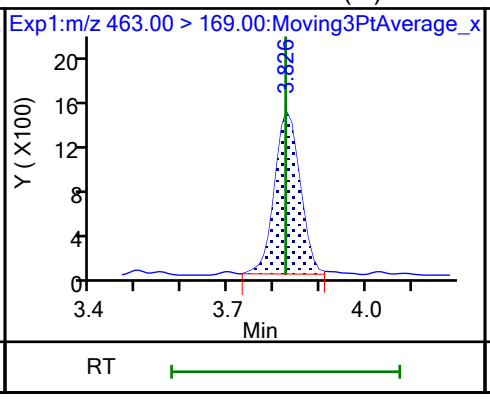
D 19 13C5 PFNA



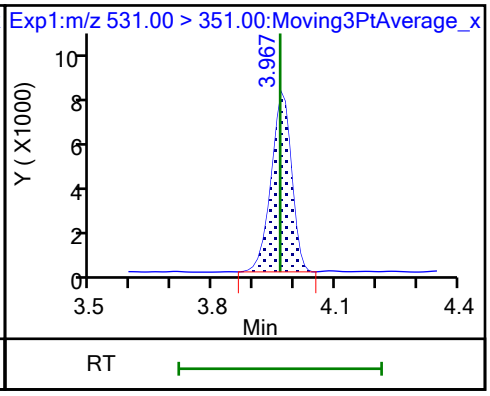
20 Perfluorononanoic acid (M)



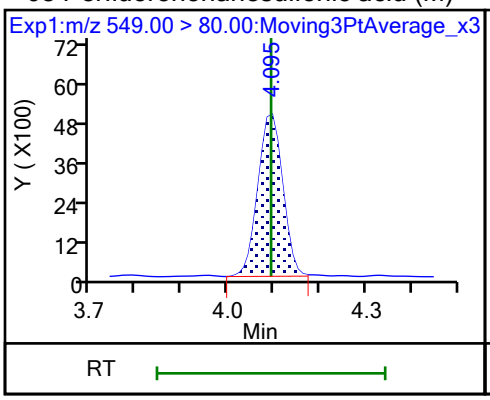
20 Perfluorononanoic acid (M)



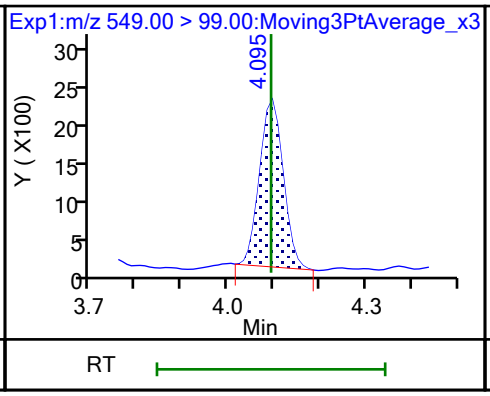
69 9-Chlorohexadecafluoro-3-oxanona



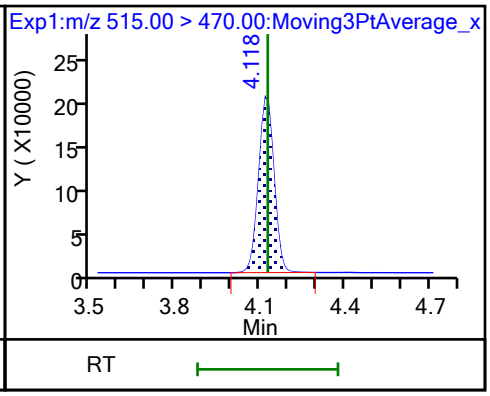
68 Perfluorononanesulfonic acid (M)



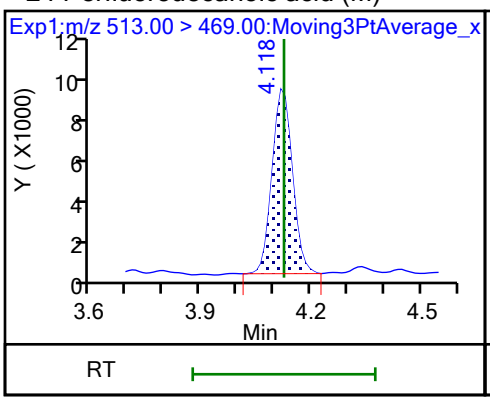
68 Perfluorononanesulfonic acid



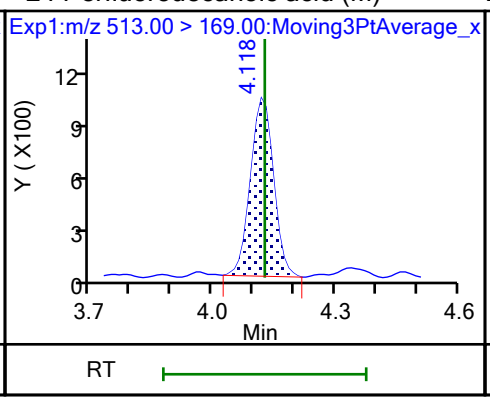
D 23 13C2 PFDA



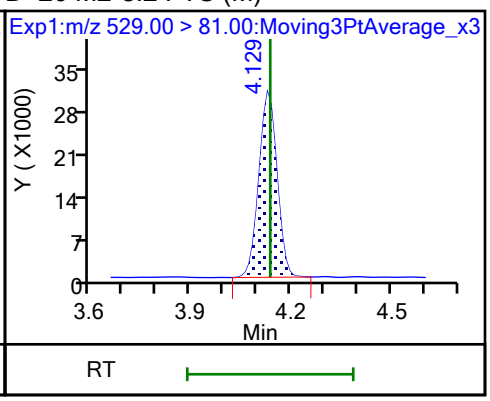
24 Perfluorodecanoic acid (M)



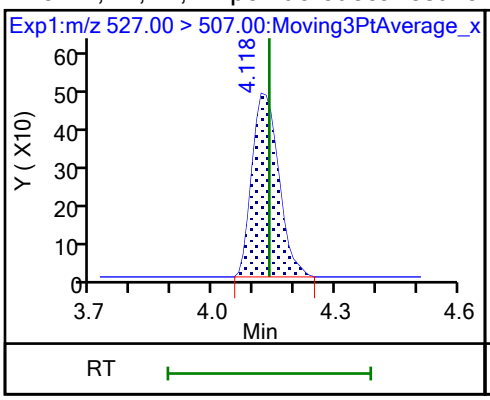
24 Perfluorodecanoic acid (M)



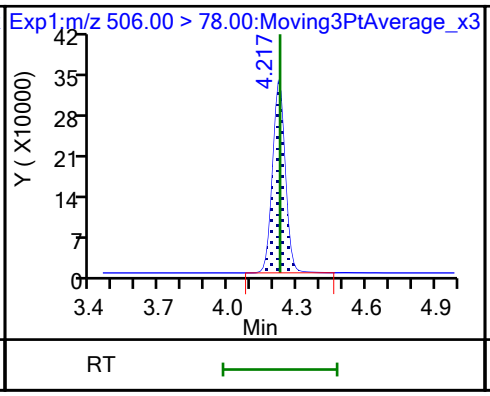
D 26 M2-8:2 FTS (M)



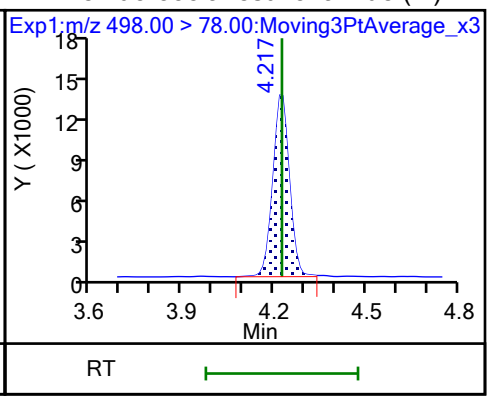
25 1H,1H,2H,2H-perfluorodecanesulfo



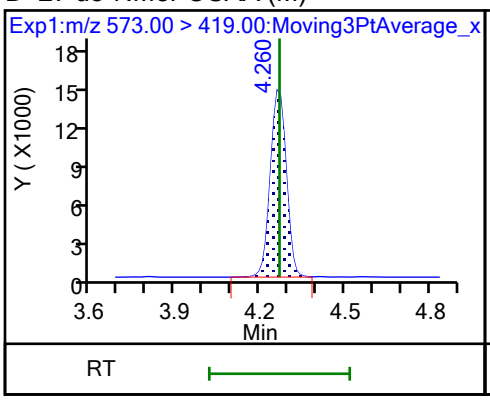
D 21 13C8 FOSA



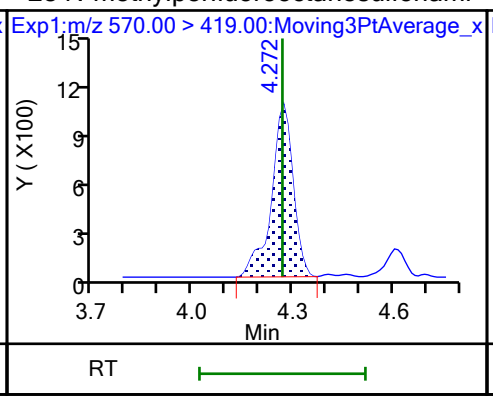
22 Perfluorooctanesulfonamide (M)



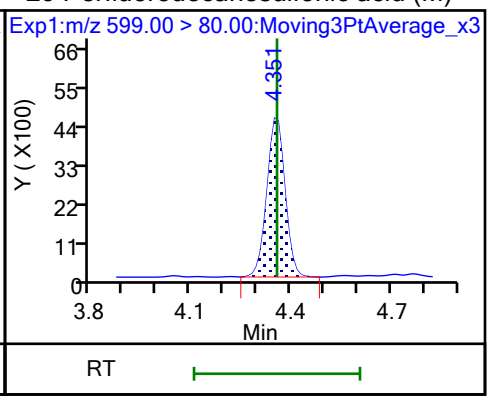
D 27 d3-NMeFOSAA (M)



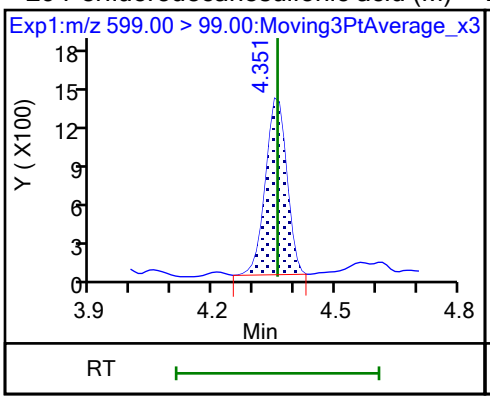
28 N-methylperfluorooctanesulfonami



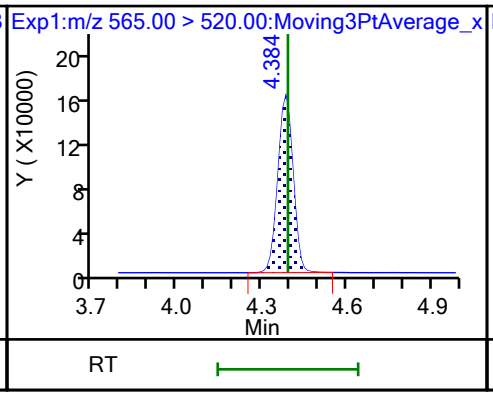
29 Perfluorodecanesulfonic acid (M)



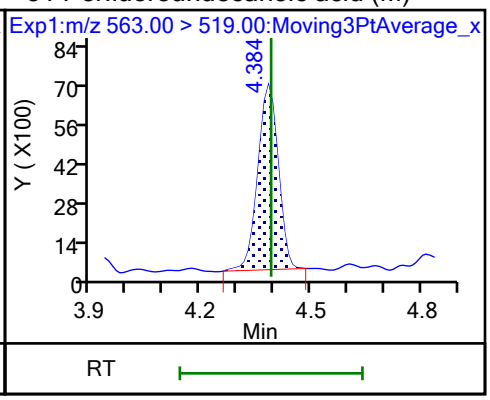
29 Perfluorodecanesulfonic acid (M)



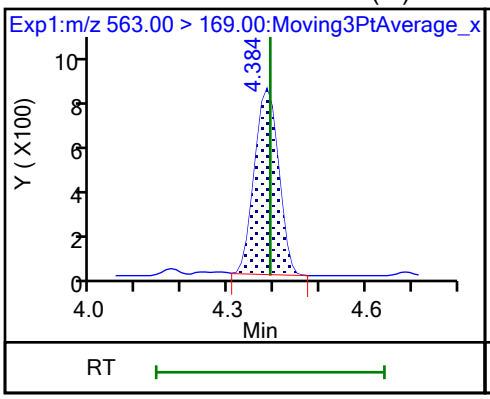
D 30 13C2 PFUnA



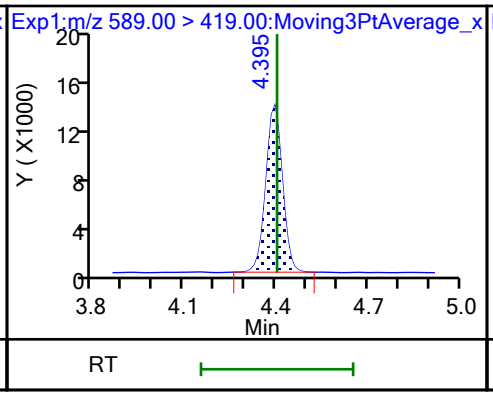
31 Perfluoroundecanoic acid (M)



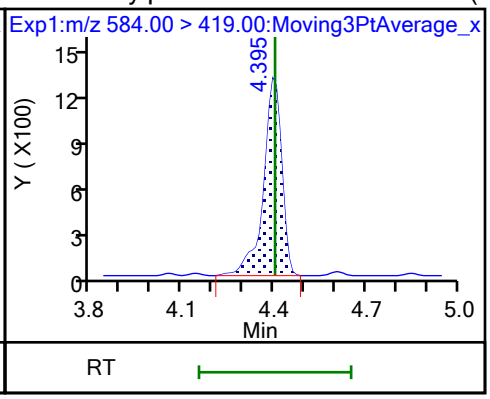
31 Perfluoroundecanoic acid (M)



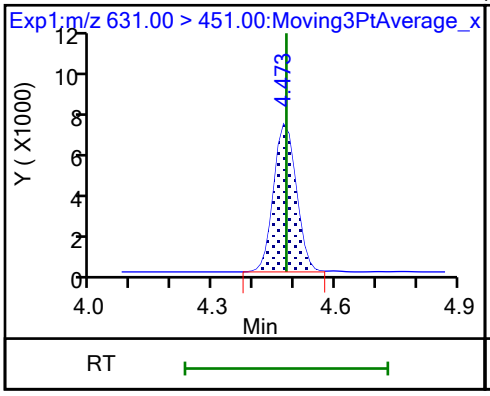
D 32 d5-NEtFOSAA



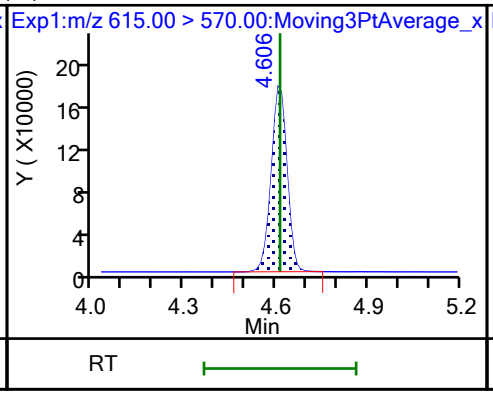
33 N-ethylperfluorooctanesulfonamid (M)



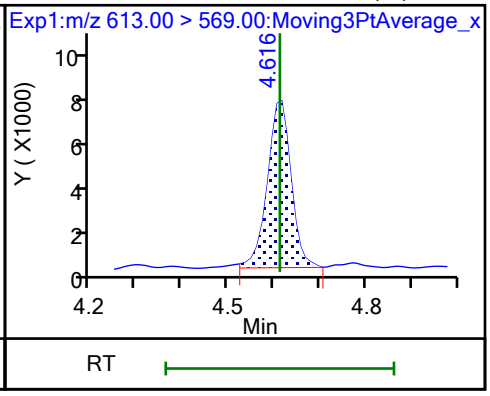
66 11-Chloroeicosafluoro-3-oxaundec (M)



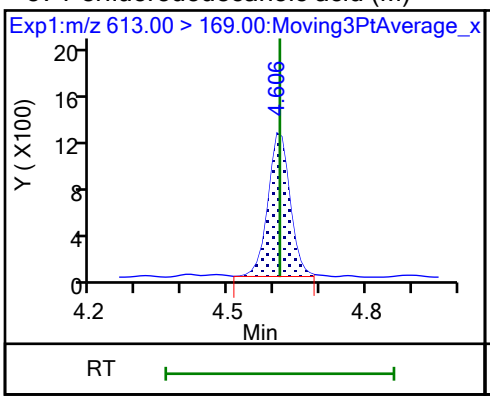
D 36 13C2 PFDoA



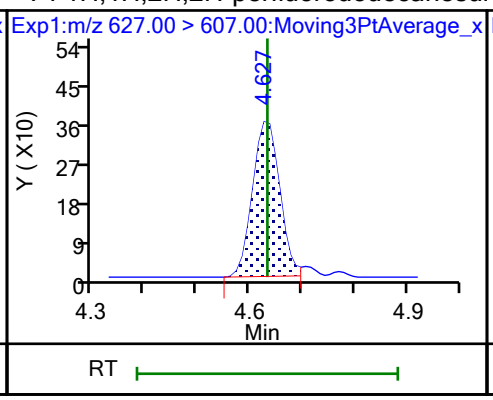
37 Perfluorododecanoic acid (M)



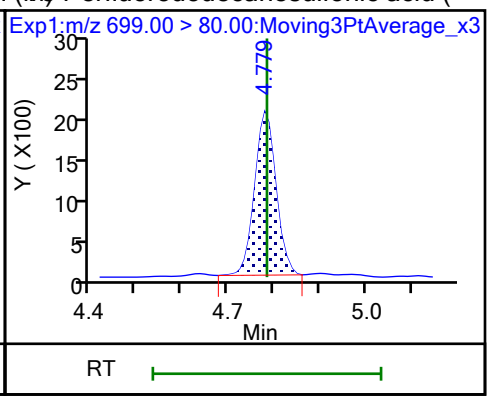
37 Perfluorododecanoic acid (M)



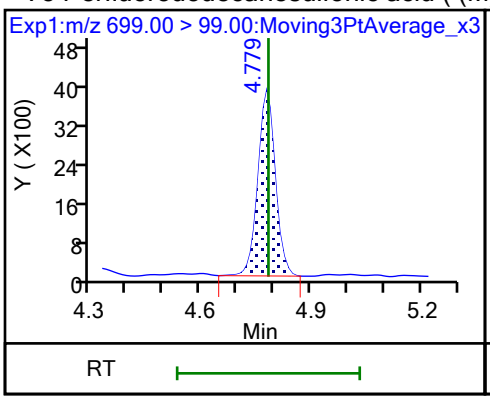
74 1H,1H,2H,2H-perfluorododecanesul (M)



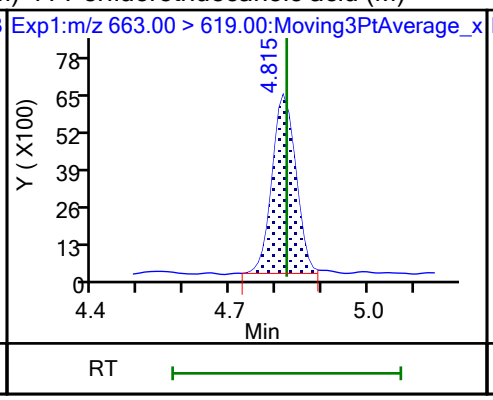
75 Perfluorododecanesulfonic acid (



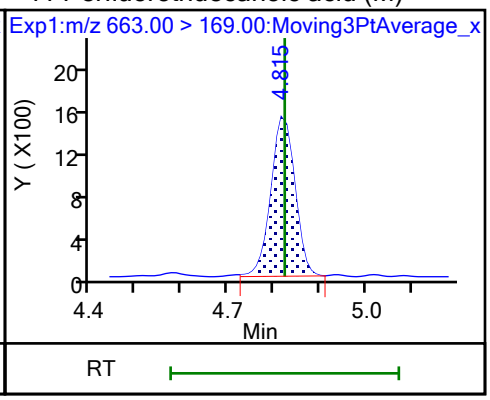
75 Perfluorododecanesulfonic acid ((M)



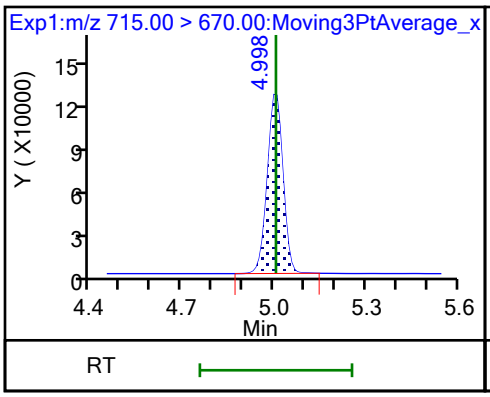
41 Perfluorotridecanoic acid (M)



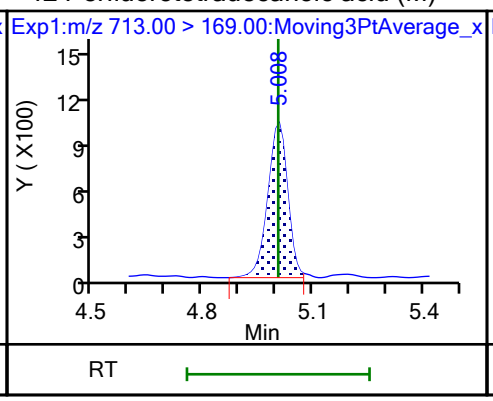
41 Perfluorotridecanoic acid (M)



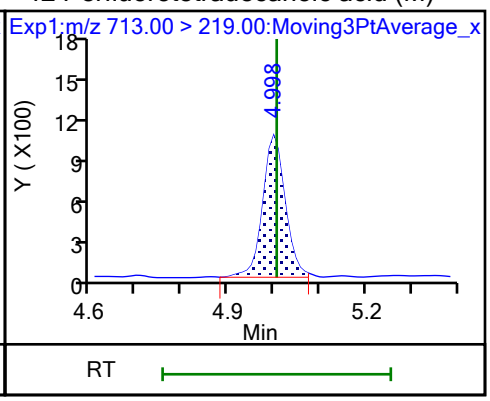
D 43 13C2 PFTeDA



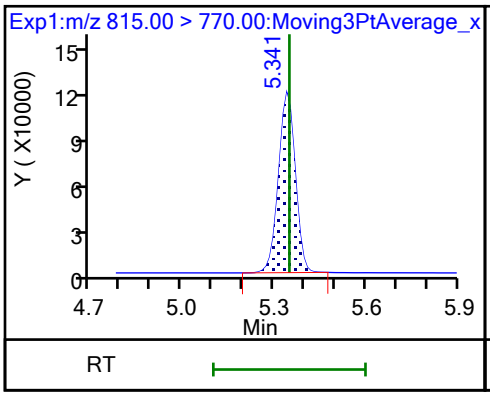
42 Perfluorotetradecanoic acid (M)



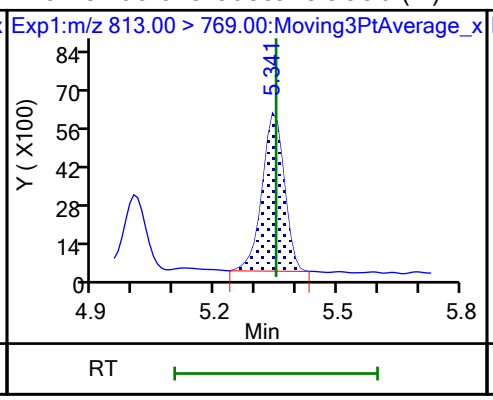
42 Perfluorotetradecanoic acid (M)



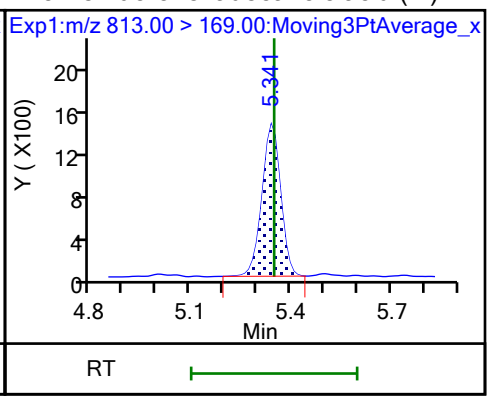
D 44 13C2 PFHxDA



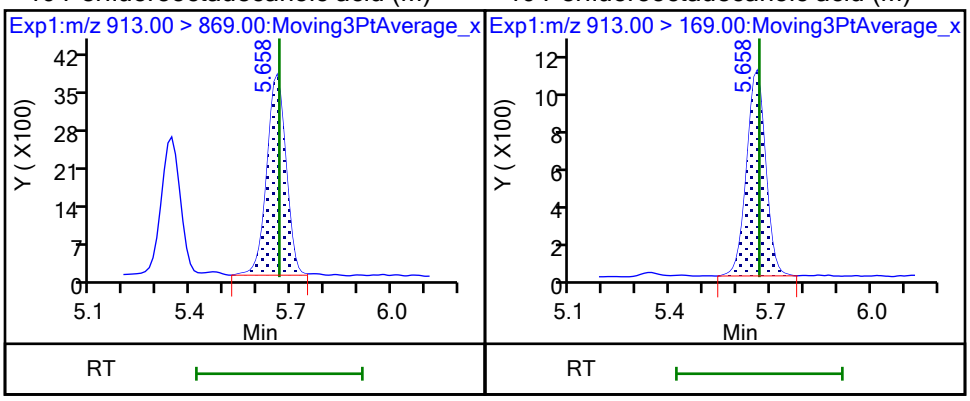
45 Perfluorohexadecanoic acid (M)



45 Perfluorohexadecanoic acid (M)



46 Perfluorooctadecanoic acid (M) 46 Perfluorooctadecanoic acid (M)



Eurofins TestAmerica, Burlington

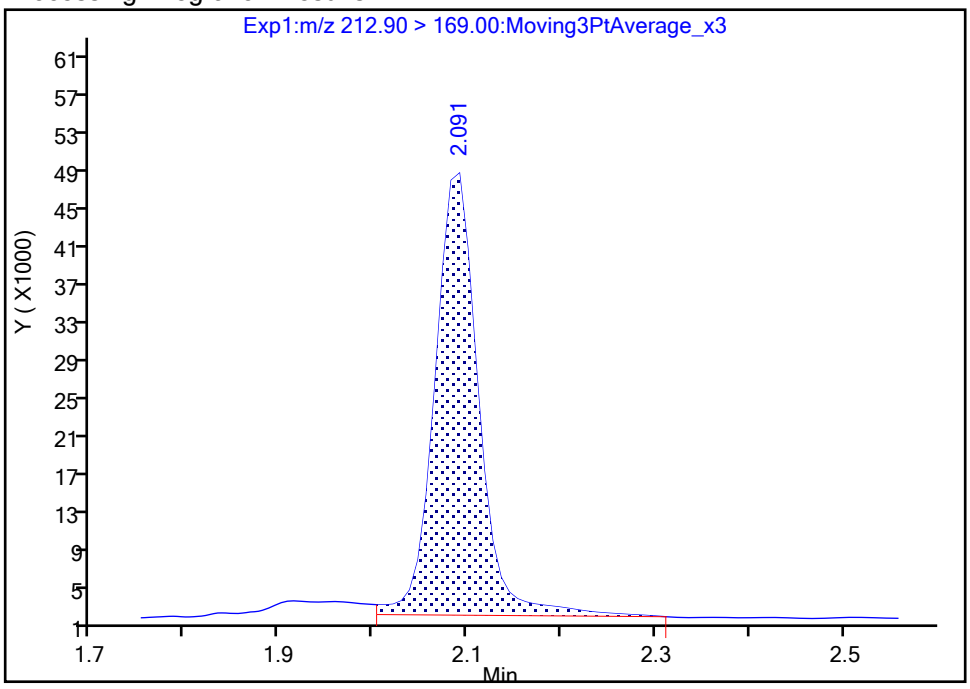
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Injection Date:	03-Mar-2021 16:04:16	Instrument ID:	LC812		
Lims ID:	CCVL				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

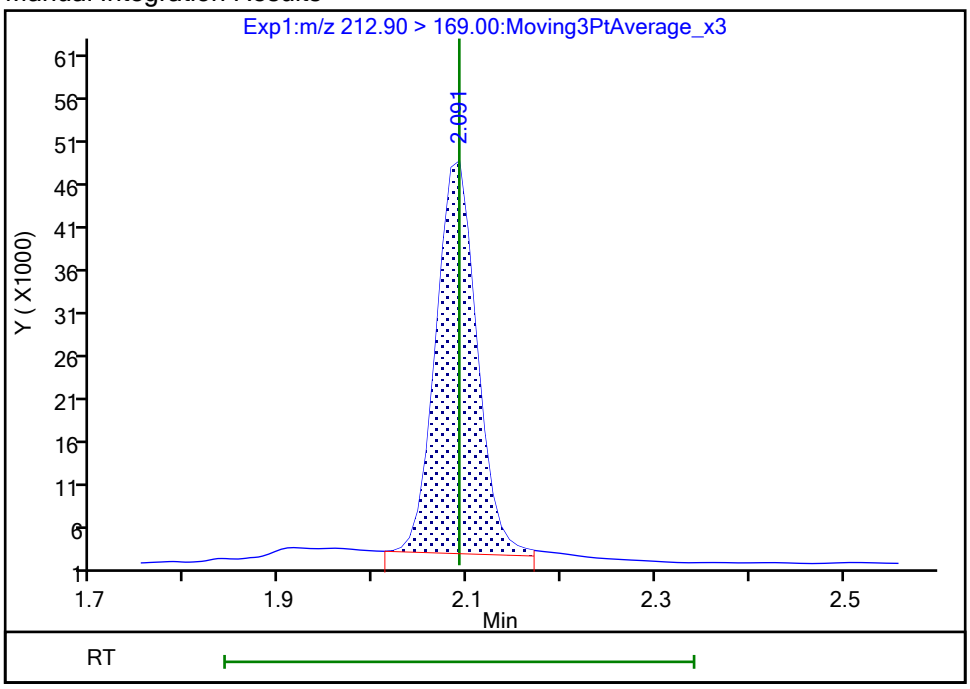
Processing Integration Results

RT: 2.09
Area: 149567
Amount: 0.131667
Amount Units: ng/ml



Manual Integration Results

RT: 2.09
Area: 137315
Amount: 0.120881
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 08:23:24
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

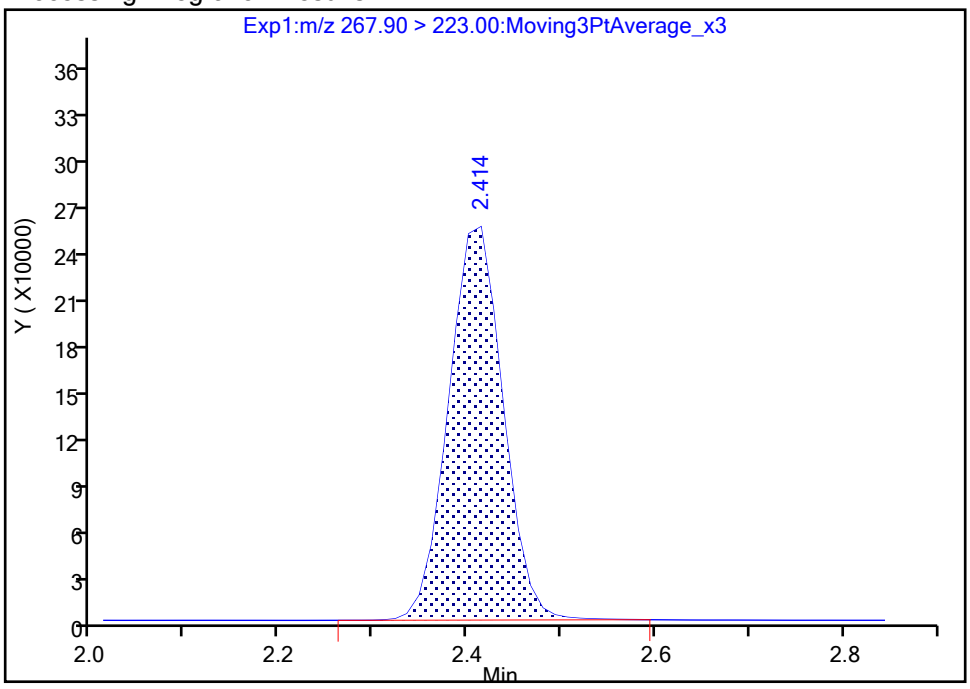
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Lims ID:	CCVL				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 3 13C5 PFPeA, CAS: STL01893

Signal: 1

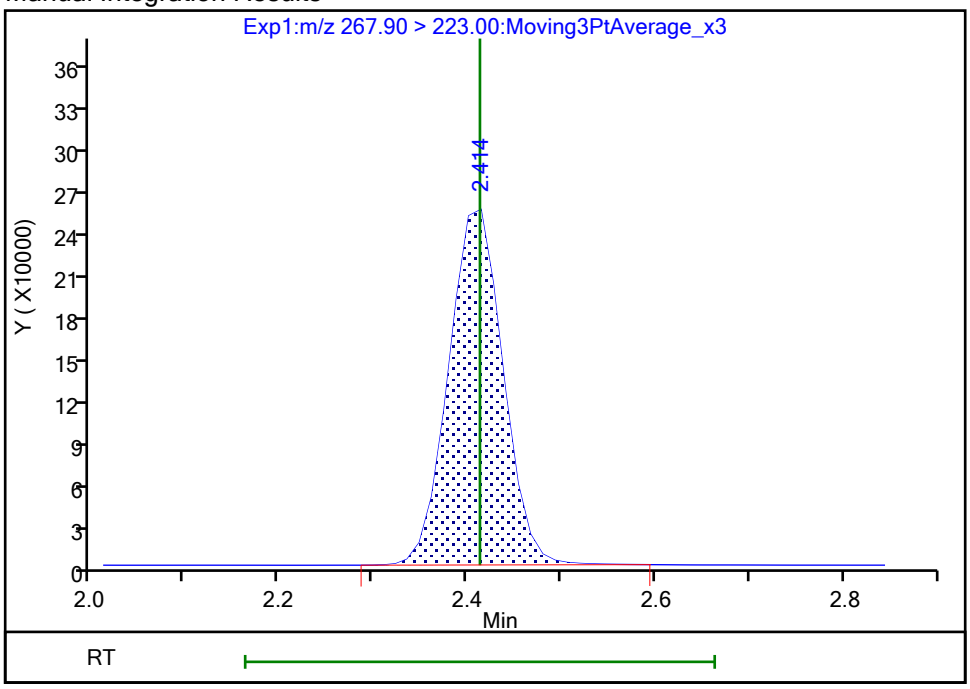
Processing Integration Results

RT: 2.41
Area: 1025774
Amount: 1.316150
Amount Units: ng/ml



Manual Integration Results

RT: 2.41
Area: 1025635
Amount: 1.315972
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 08:18:54

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

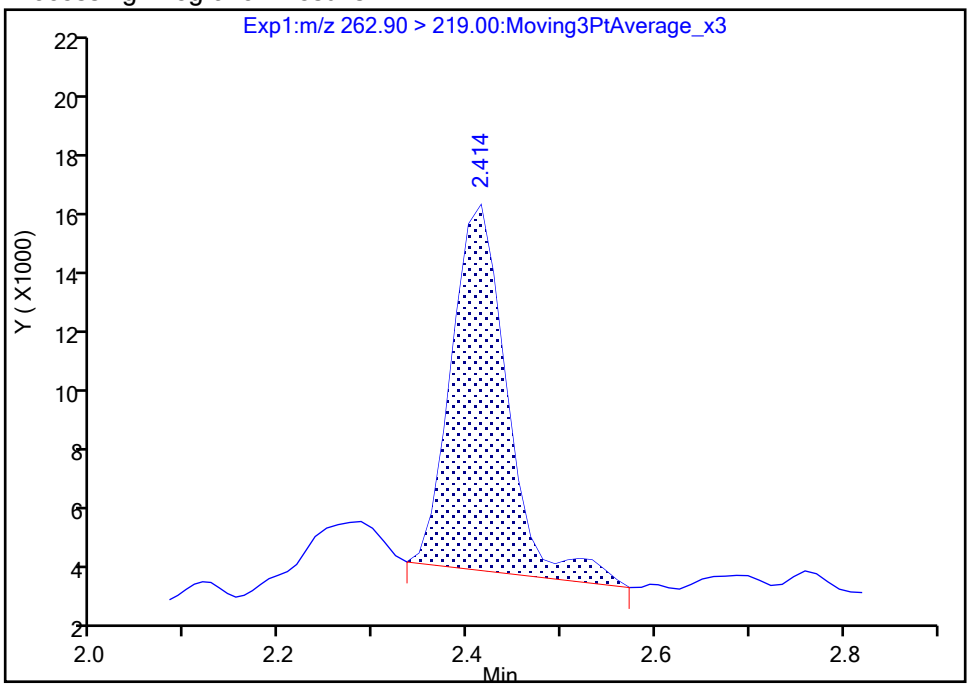
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Injection Date:	03-Mar-2021 16:04:16	Instrument ID:	LC812		
Lims ID:	CCVL				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

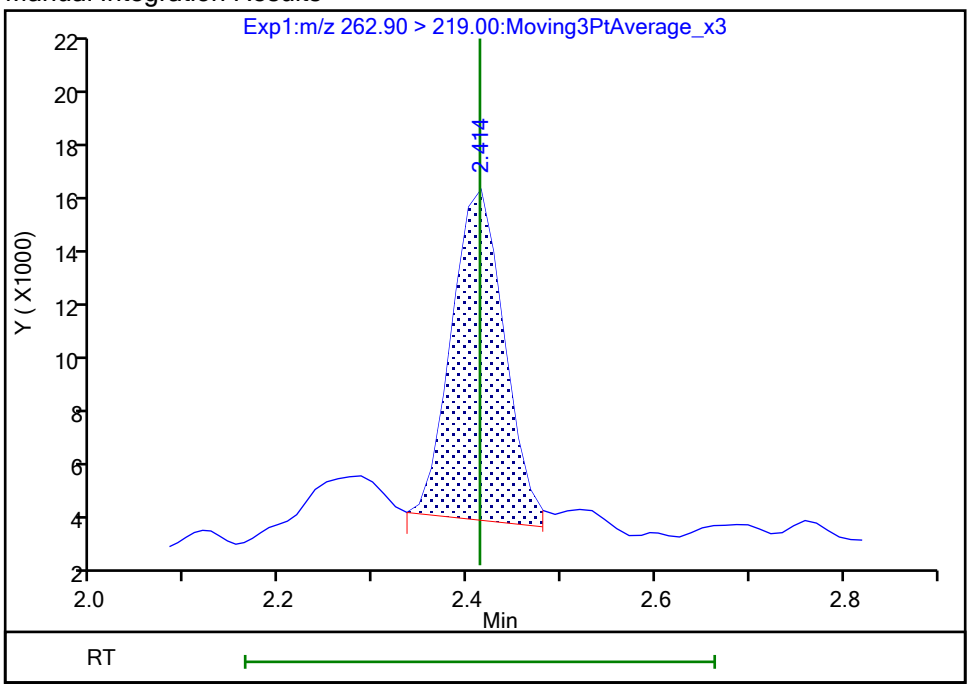
Processing Integration Results

RT: 2.41
Area: 48803
Amount: 0.053716
Amount Units: ng/ml



Manual Integration Results

RT: 2.41
Area: 45966
Amount: 0.050593
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 08:23:49
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

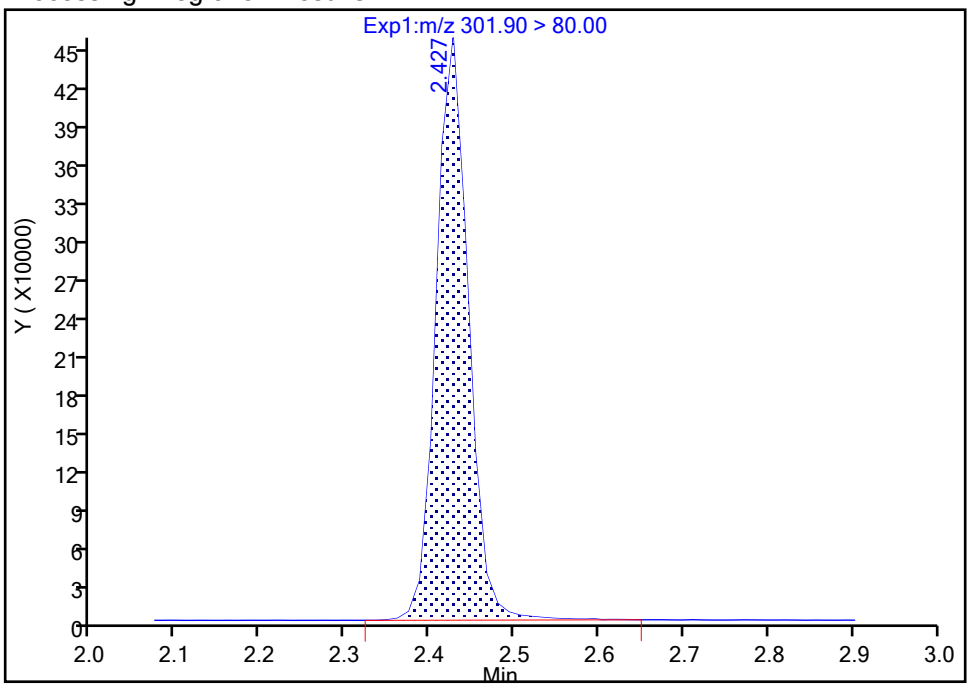
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Injection Date:	03-Mar-2021 16:04:16	Instrument ID:	LC812		
Lims ID:	CCVL				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

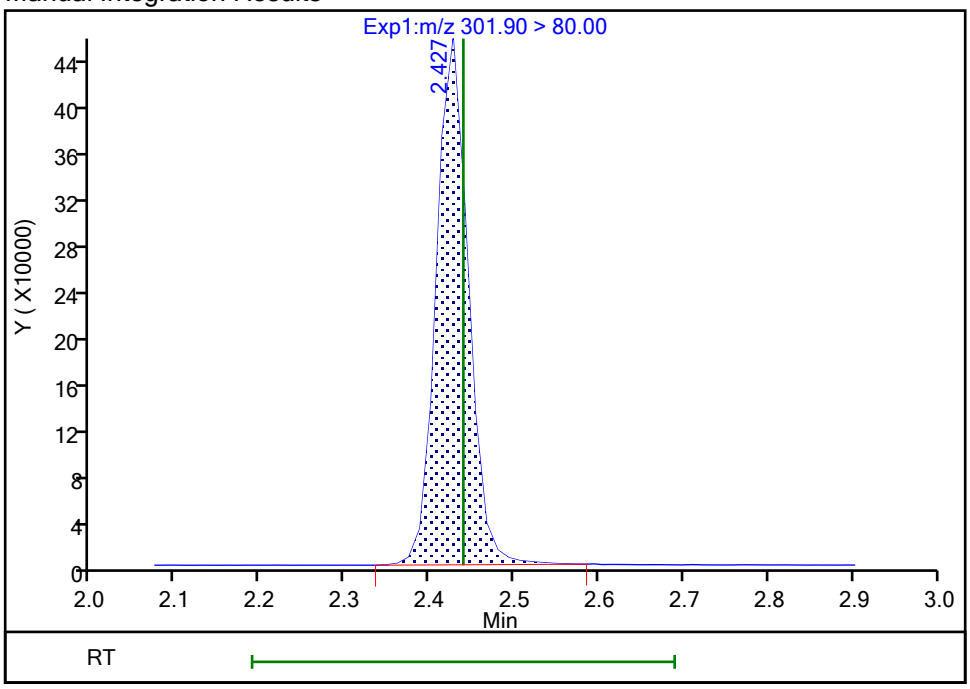
Processing Integration Results

RT: 2.43
Area: 1210772
Amount: 1.180570
Amount Units: ng/ml



Manual Integration Results

RT: 2.43
Area: 1205365
Amount: 1.175298
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 08:19:08

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

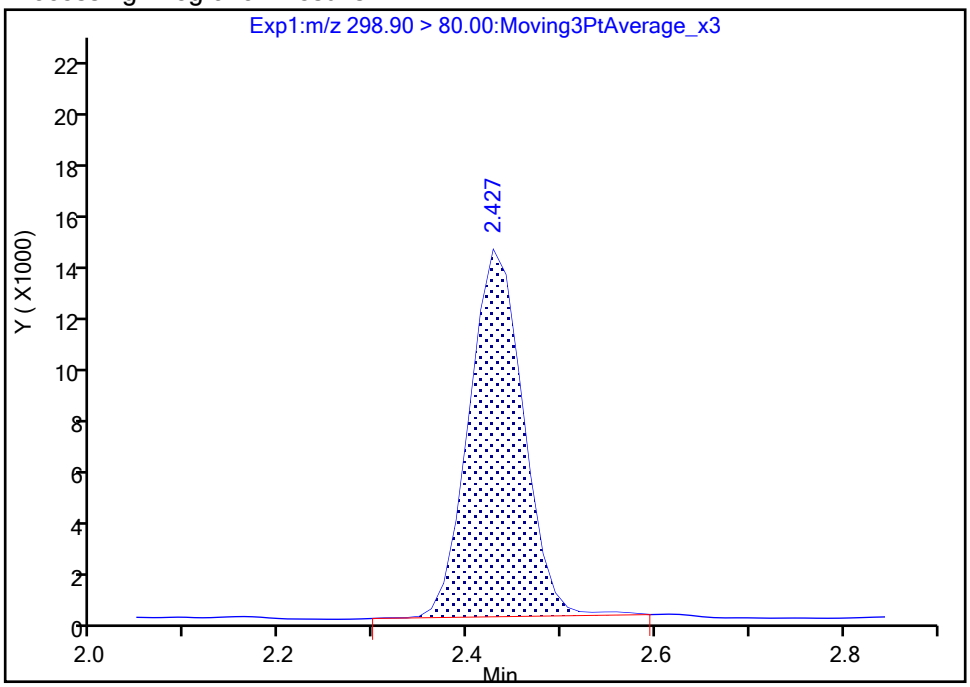
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A05.d				
Injection Date:	03-Mar-2021 16:04:16	Instrument ID:	LC812		
Lims ID:	CCVL				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

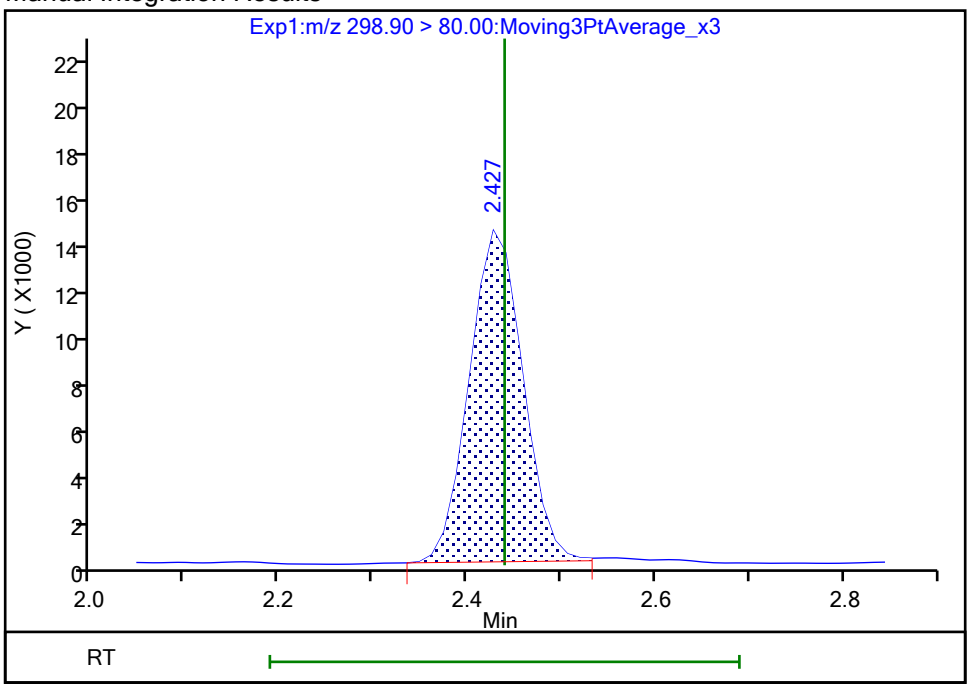
Processing Integration Results

RT: 2.43
Area: 55431
Amount: 0.047255
Amount Units: ng/ml



Manual Integration Results

RT: 2.43
Area: 55061
Amount: 0.046940
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 08:24:18

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

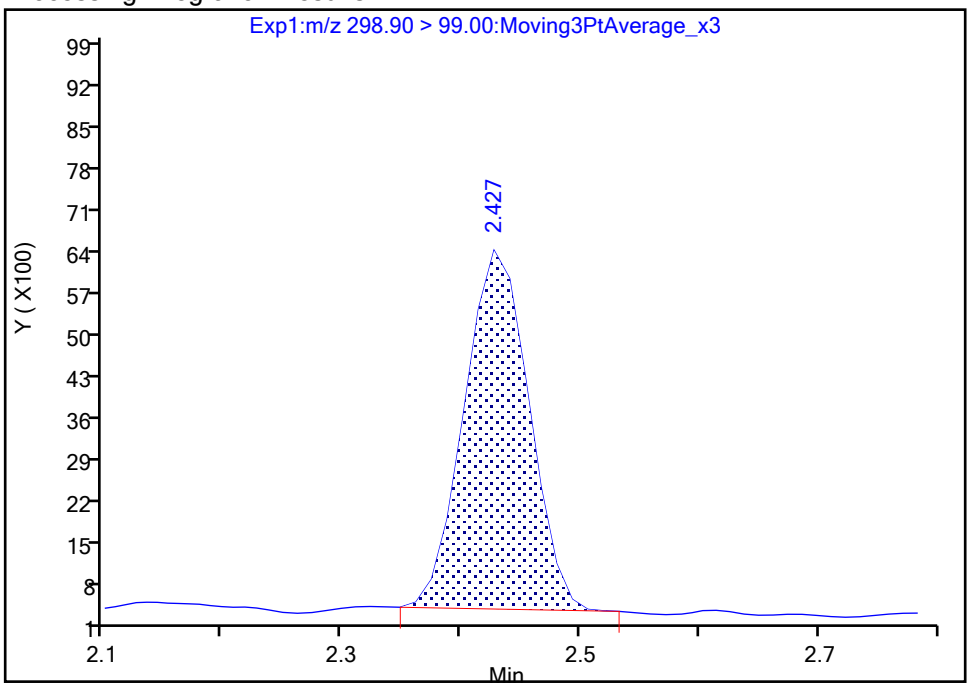
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Injection Date:	03-Mar-2021 16:04:16	Instrument ID:	LC812		
Lims ID:	CCVL				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

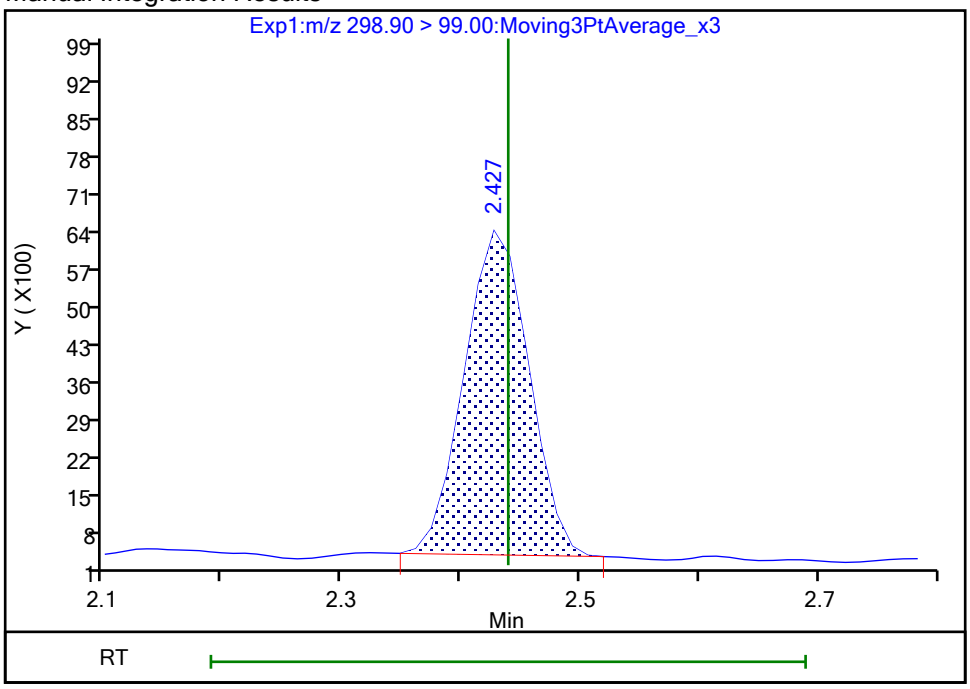
Processing Integration Results

RT: 2.43
Area: 22929
Amount: 0.047255
Amount Units: ng/ml



Manual Integration Results

RT: 2.43
Area: 22902
Amount: 0.046940
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 08:24:27
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

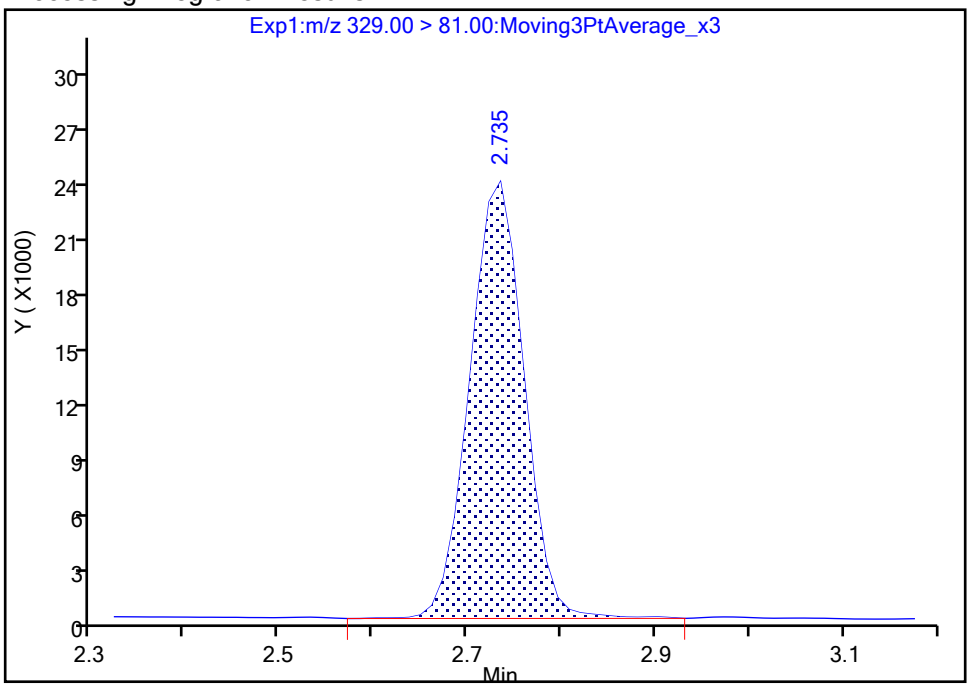
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A05.d				
Injection Date:	03-Mar-2021 16:04:16	Instrument ID:	LC812		
Lims ID:	CCVL				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 60 M2-4:2 FTS, CAS: STL02395

Signal: 1

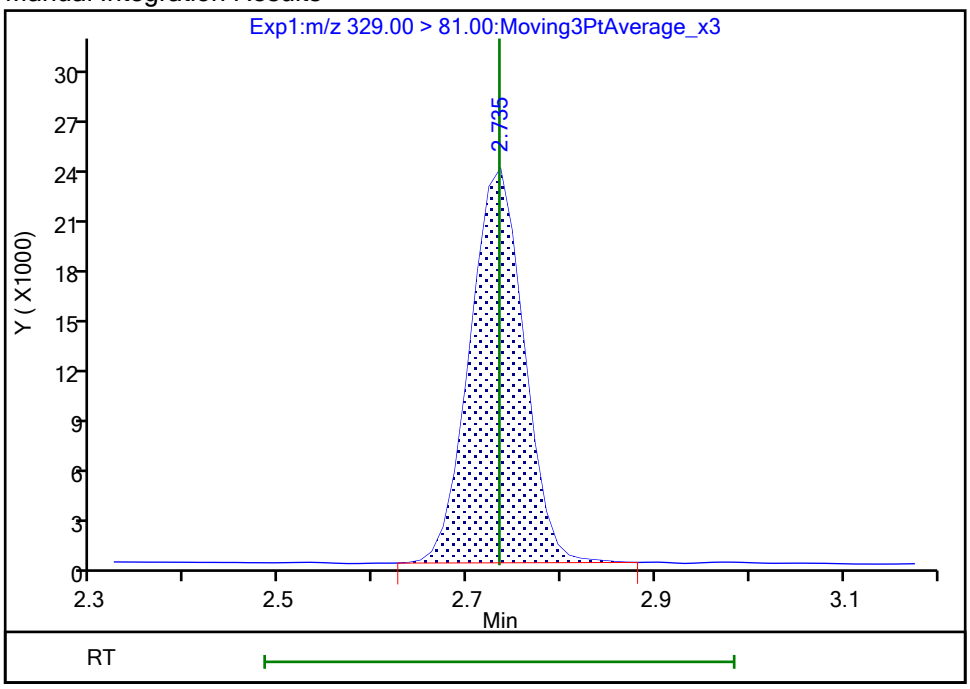
Processing Integration Results

RT: 2.73
Area: 95914
Amount: 1.120922
Amount Units: ng/ml



Manual Integration Results

RT: 2.73
Area: 95012
Amount: 1.110380
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 08:19:56
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

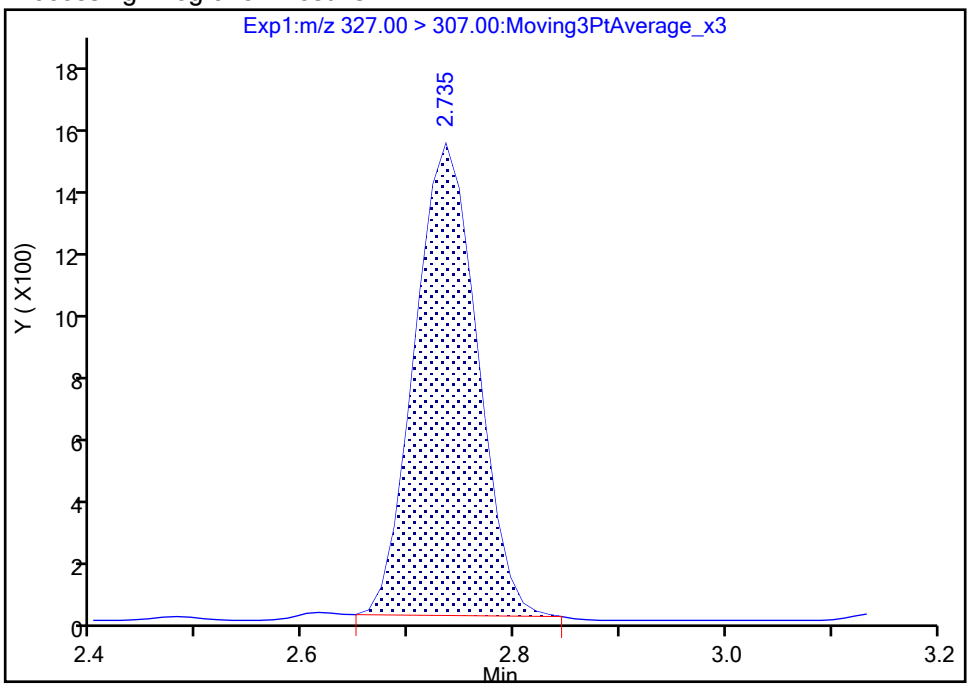
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A05.d				
Injection Date:	03-Mar-2021 16:04:16	Instrument ID:	LC812		
Lims ID:	CCVL				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

61 1H,1H,2H,2H-perfluorohexanesulfo, CAS: 757124-72-4

Signal: 1

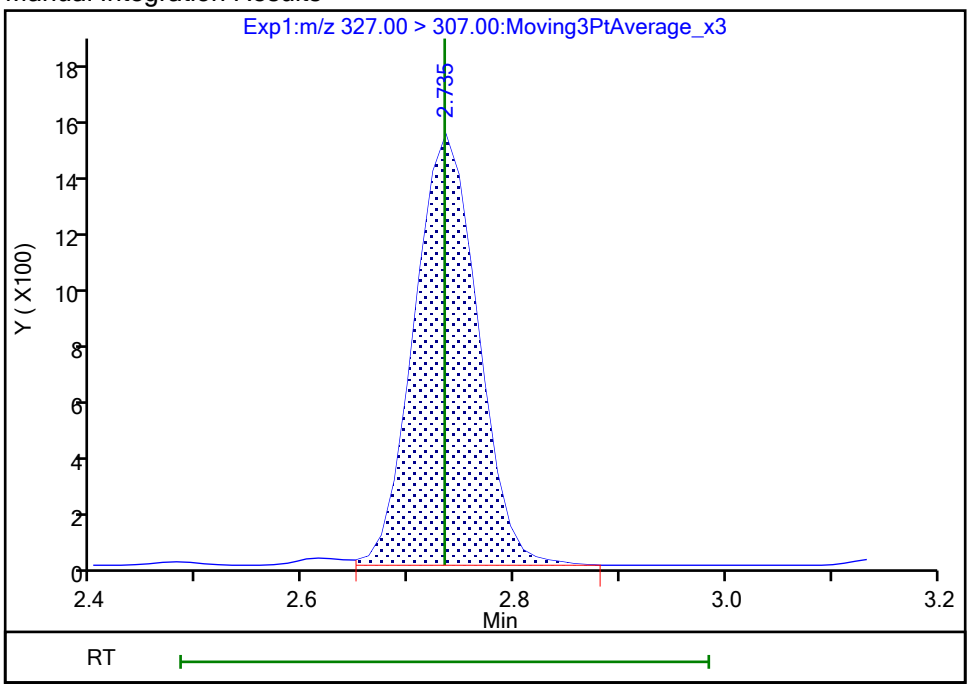
Processing Integration Results

RT: 2.73
Area: 6085
Amount: 0.040776
Amount Units: ng/ml



Manual Integration Results

RT: 2.73
Area: 6270
Amount: 0.042015
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 08:25:00

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

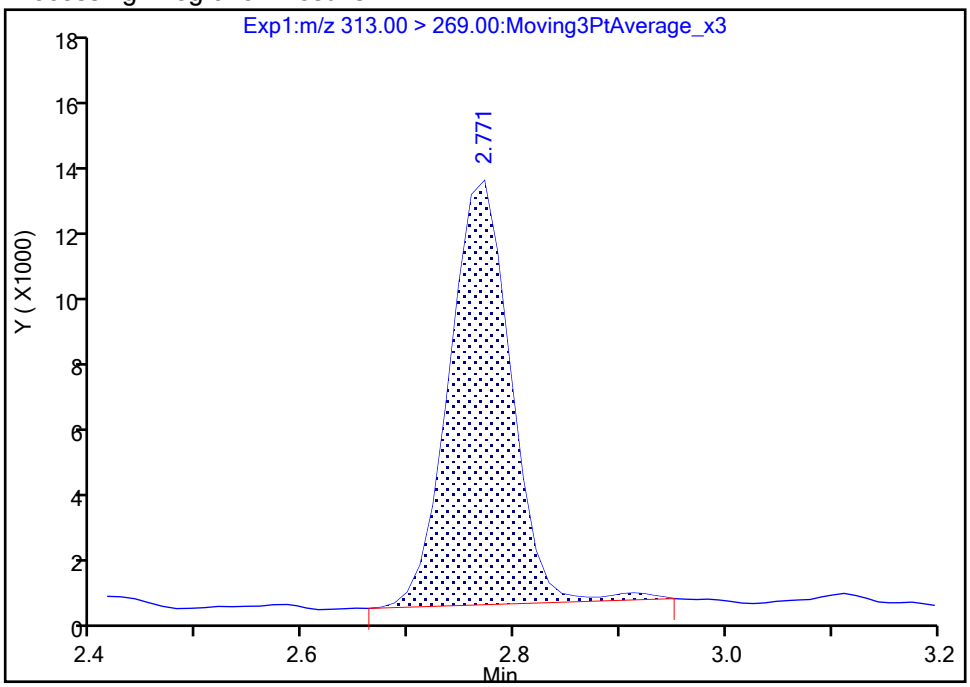
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A05.d				
Injection Date:	03-Mar-2021 16:04:16	Instrument ID:	LC812		
Lims ID:	CCVL				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

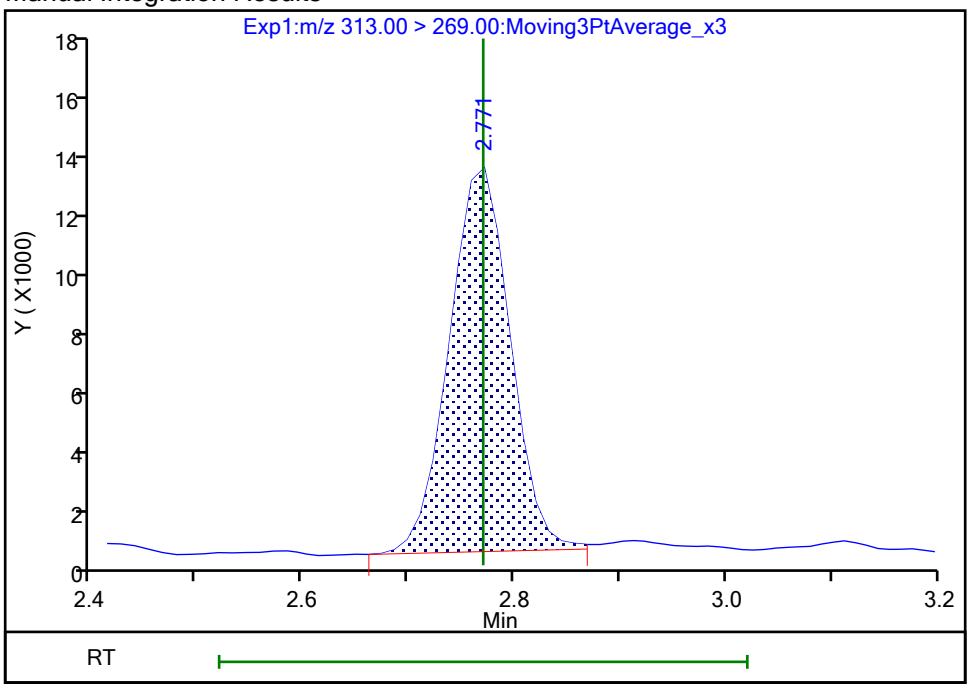
Processing Integration Results

RT: 2.77
Area: 48654
Amount: 0.052692
Amount Units: ng/ml



Manual Integration Results

RT: 2.77
Area: 48215
Amount: 0.052217
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 08:25:16
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

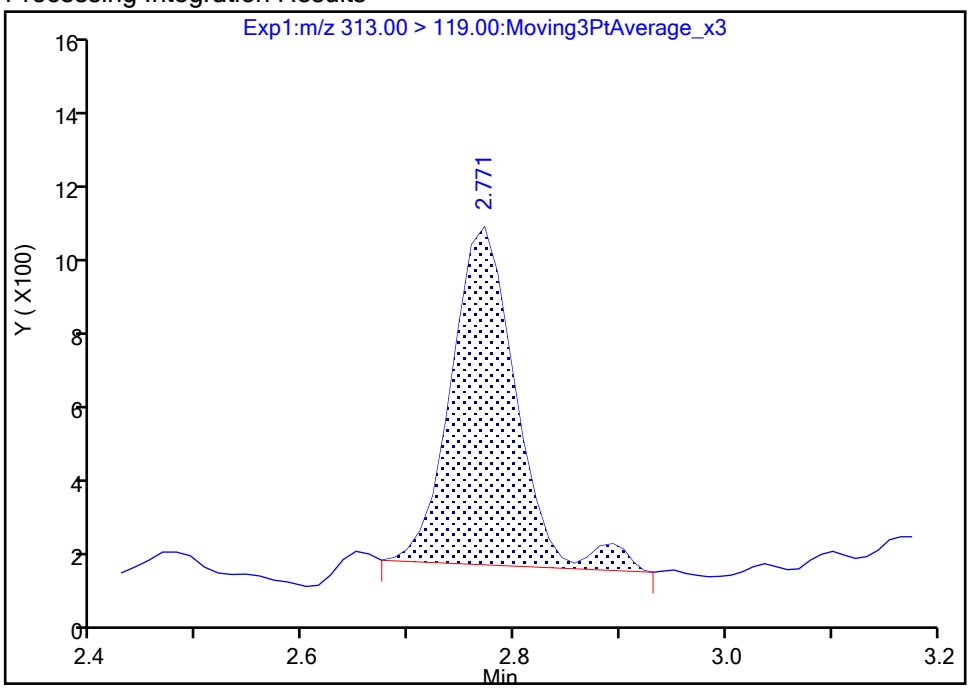
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A05.d				
Injection Date:	03-Mar-2021 16:04:16	Instrument ID:	LC812		
Lims ID:	CCVL				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

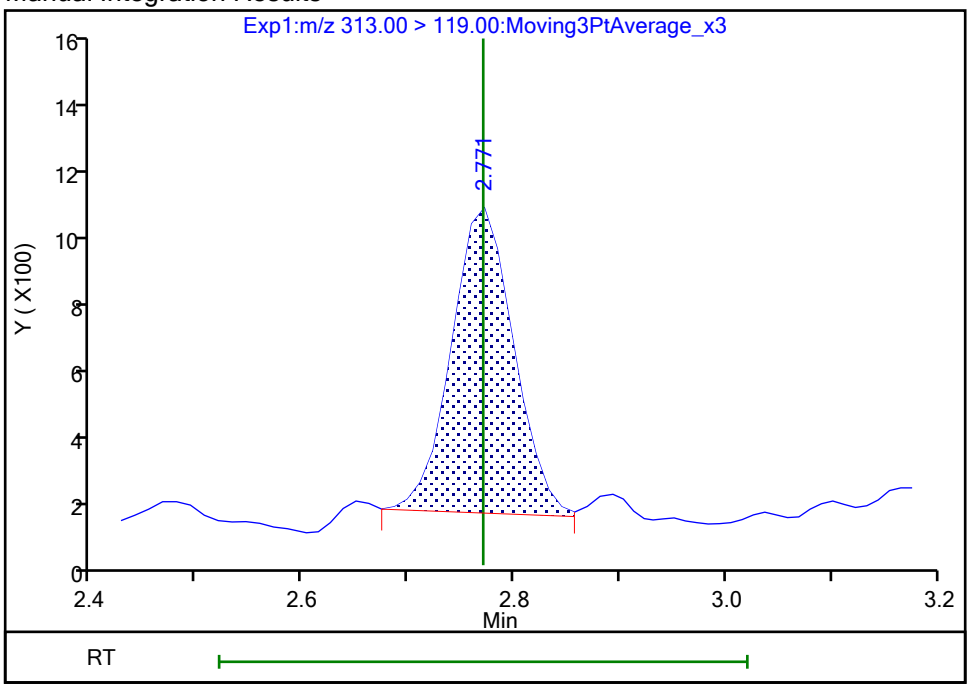
Processing Integration Results

RT: 2.77
Area: 3867
Amount: 0.052692
Amount Units: ng/ml



Manual Integration Results

RT: 2.77
Area: 3691
Amount: 0.052217
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 08:25:24
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

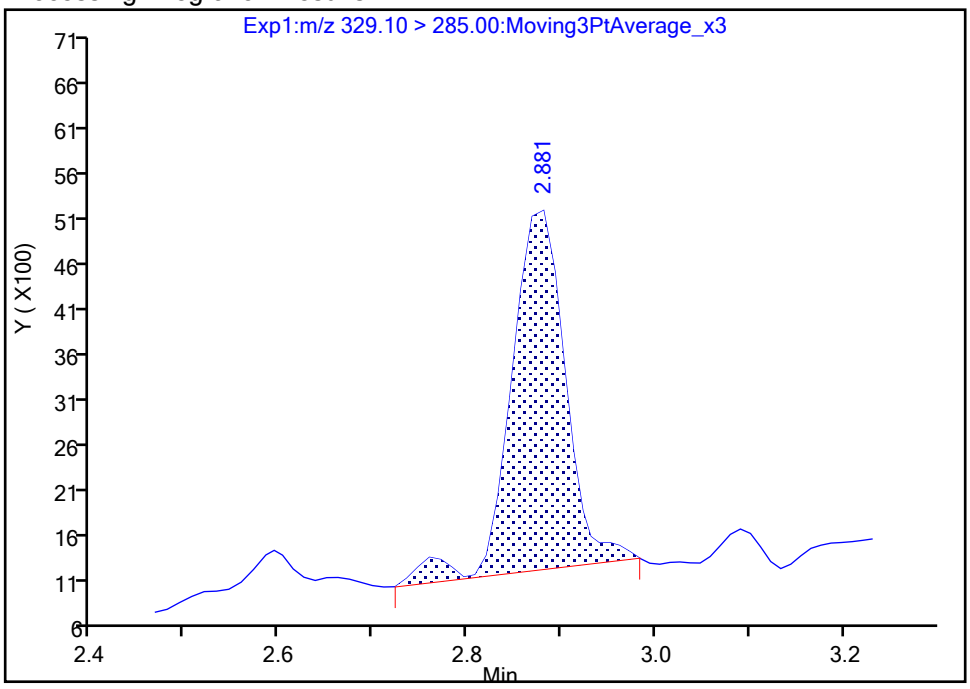
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A05.d				
Injection Date:	03-Mar-2021 16:04:16	Instrument ID:	LC812		
Lims ID:	CCVL				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

67 Perfluoro(2-propoxypropanoic) ac, CAS: 13252-13-6

Signal: 1

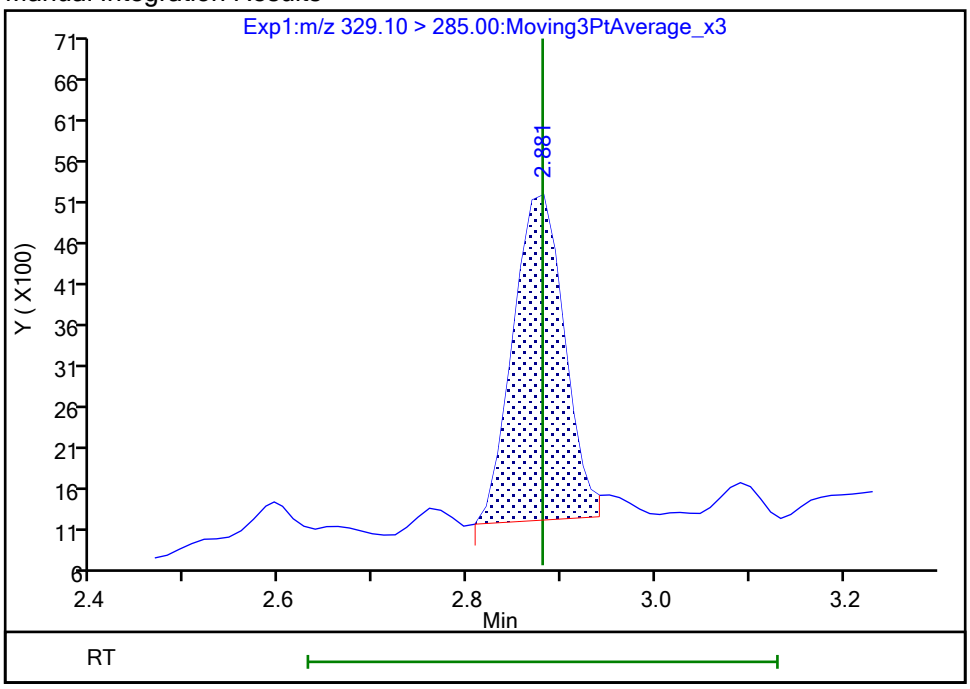
Processing Integration Results

RT: 2.88
Area: 16044
Amount: 0.126343
Amount Units: ng/ml



Manual Integration Results

RT: 2.88
Area: 15018
Amount: 0.118263
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 08:25:56
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

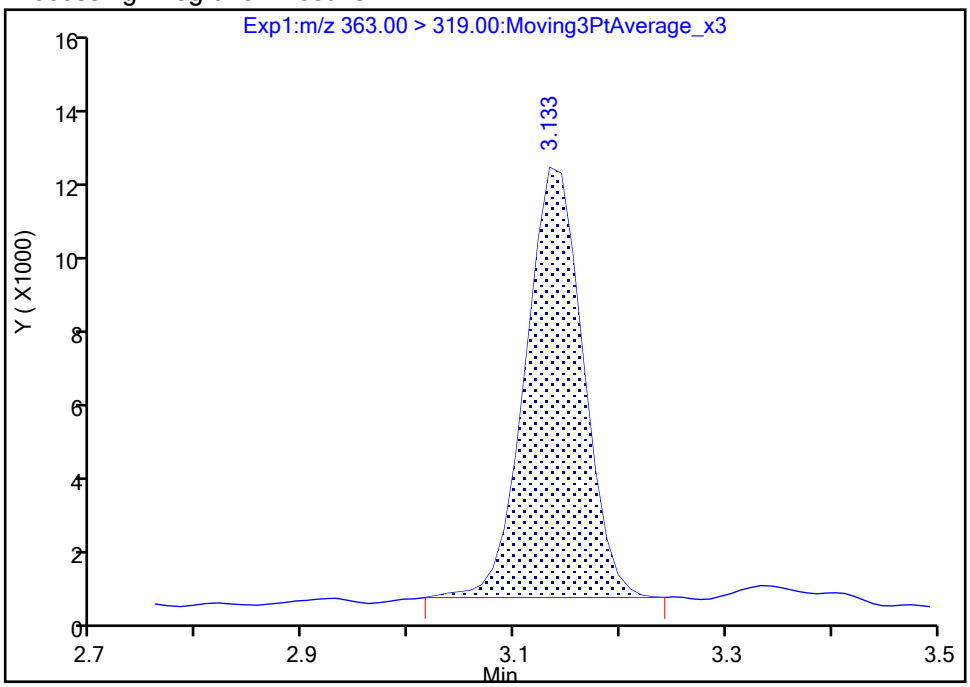
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A05.d				
Injection Date:	03-Mar-2021 16:04:16	Instrument ID:	LC812		
Lims ID:	CCVL				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

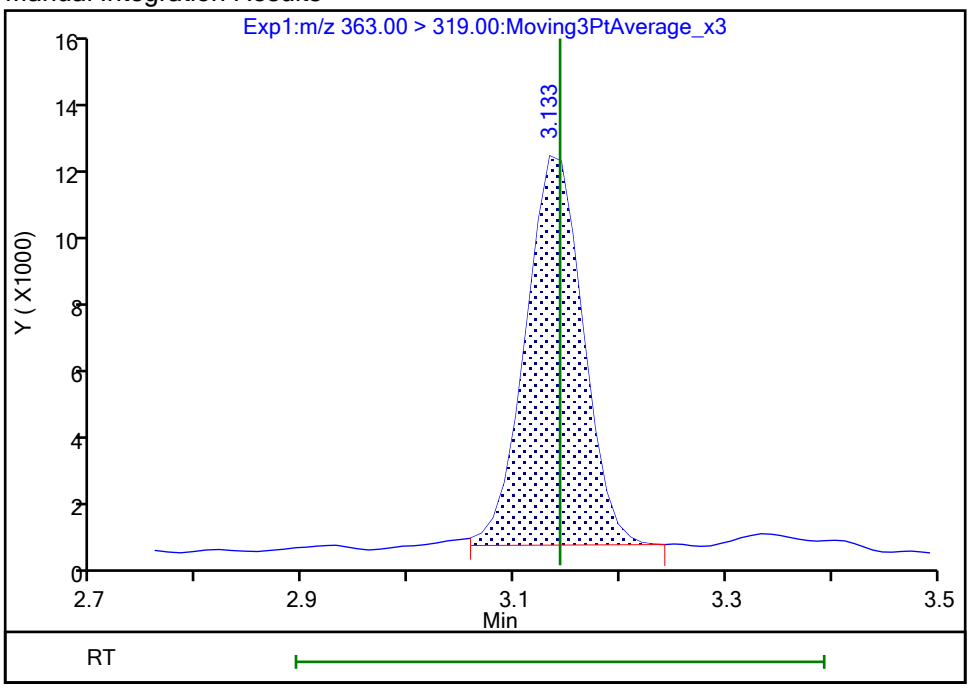
Processing Integration Results

RT: 3.13
Area: 43380
Amount: 0.048675
Amount Units: ng/ml



Manual Integration Results

RT: 3.13
Area: 43266
Amount: 0.048547
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 08:51:41

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

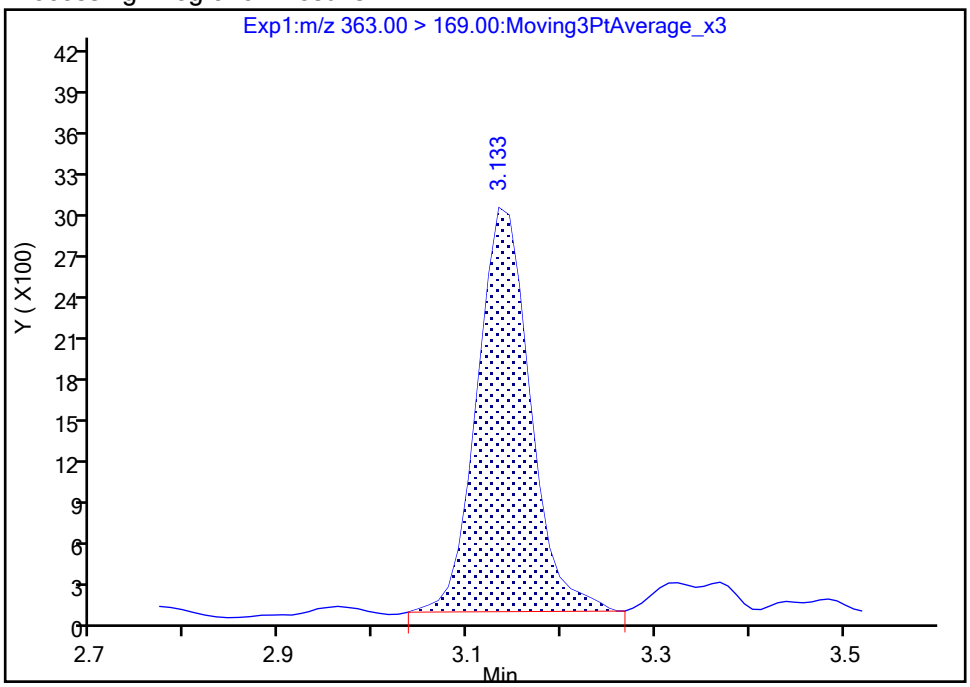
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A05.d				
Injection Date:	03-Mar-2021 16:04:16	Instrument ID:	LC812		
Lims ID:	CCVL				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

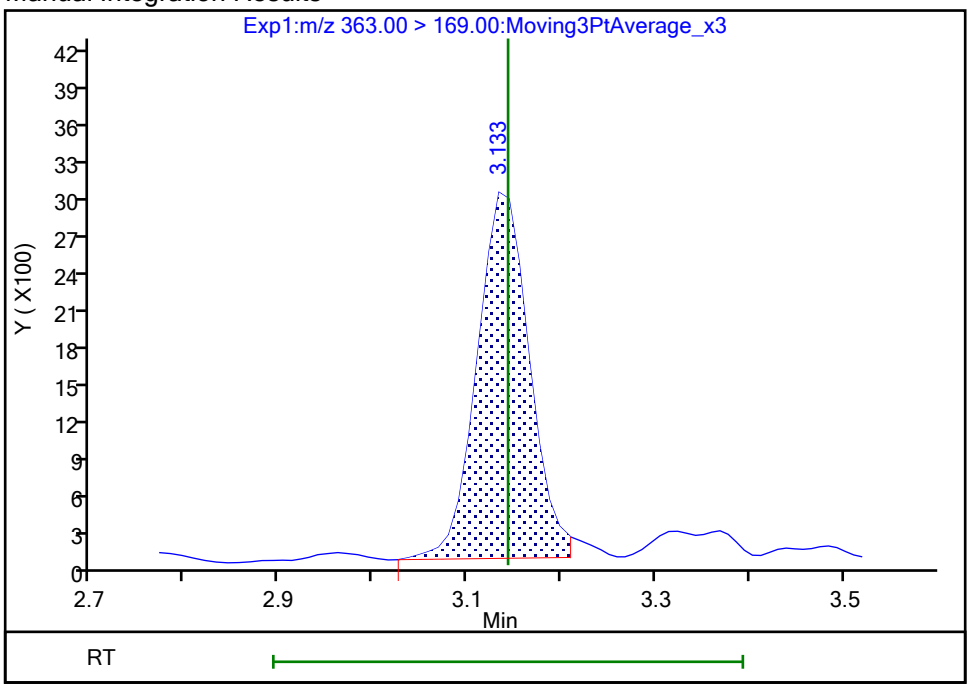
Processing Integration Results

RT: 3.13
Area: 11459
Amount: 0.048675
Amount Units: ng/ml



Manual Integration Results

RT: 3.13
Area: 11307
Amount: 0.048547
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 08:52:03
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

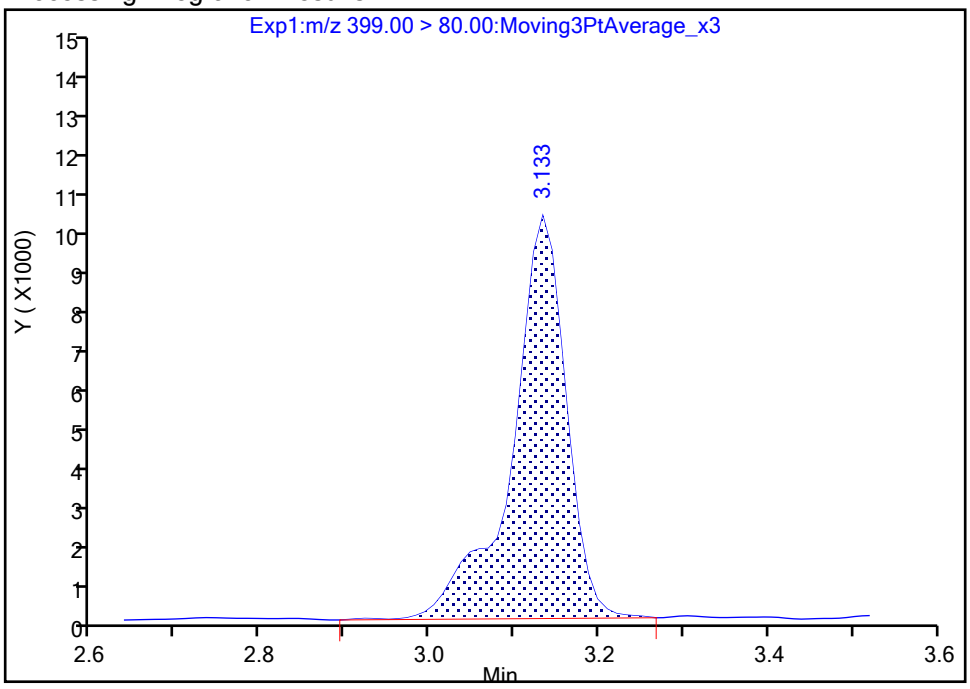
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A05.d				
Injection Date:	03-Mar-2021 16:04:16	Instrument ID:	LC812		
Lims ID:	CCVL				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

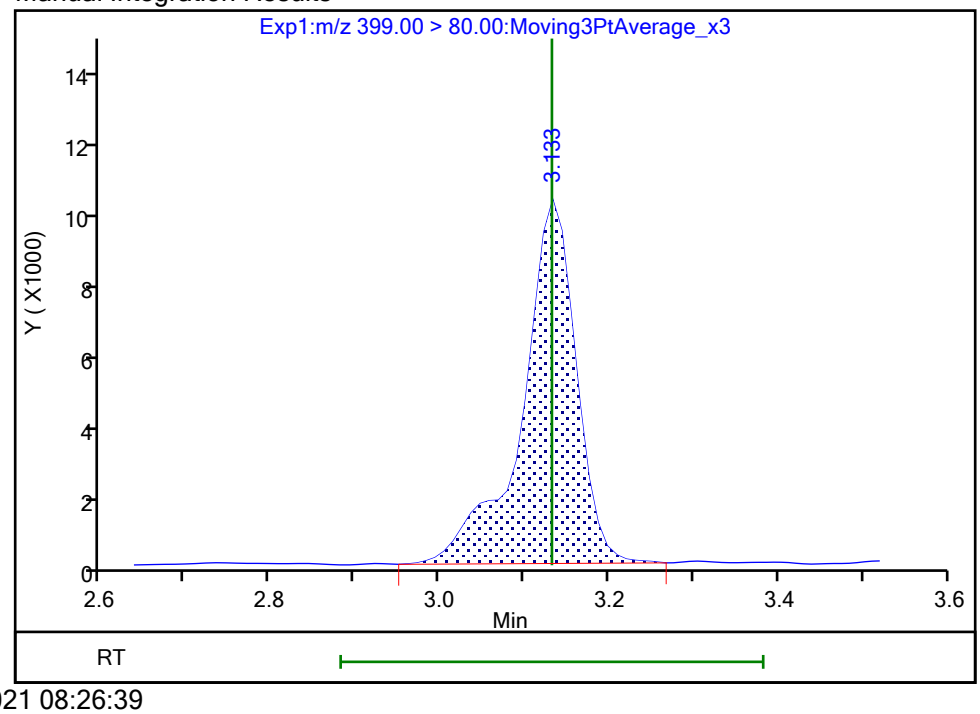
Processing Integration Results

RT: 3.13
Area: 44564
Amount: 0.049541
Amount Units: ng/ml



Manual Integration Results

RT: 3.13
Area: 44437
Amount: 0.049399
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 08:26:39

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

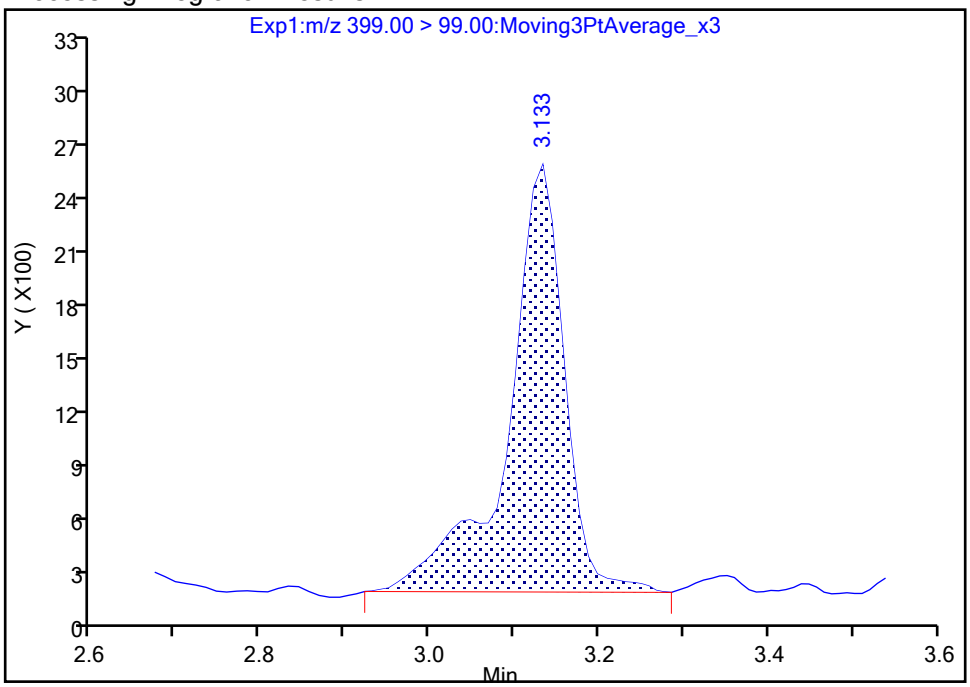
Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A05.d
Injection Date: 03-Mar-2021 16:04:16 Instrument ID: LC812
Lims ID: CCVL
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

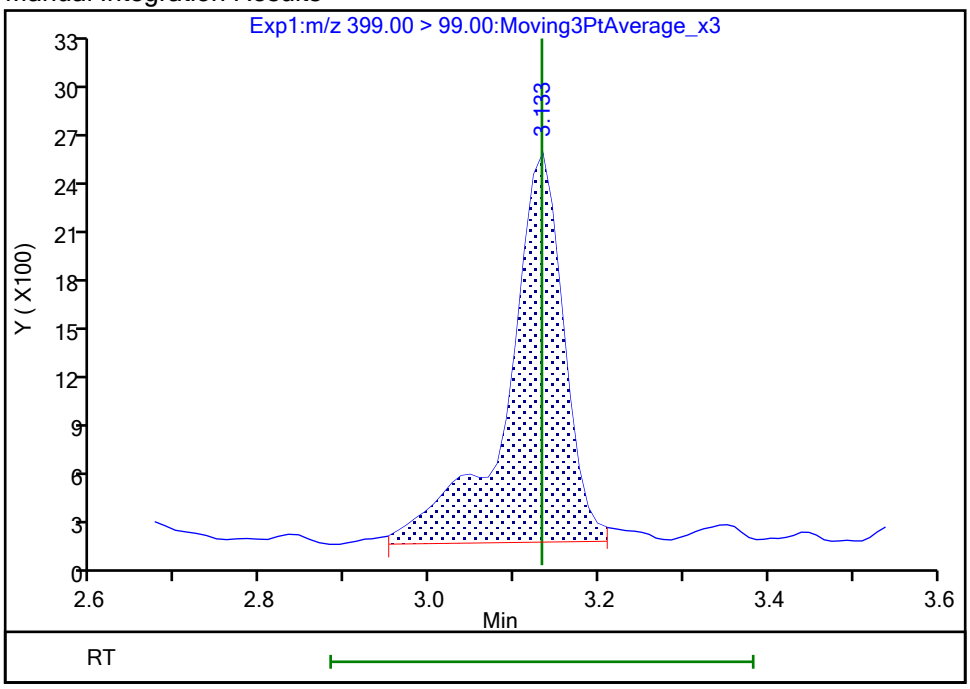
Processing Integration Results

RT: 3.13
Area: 11119
Amount: 0.049541
Amount Units: ng/ml



Manual Integration Results

RT: 3.13
Area: 11227
Amount: 0.049399
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 08:27:12
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

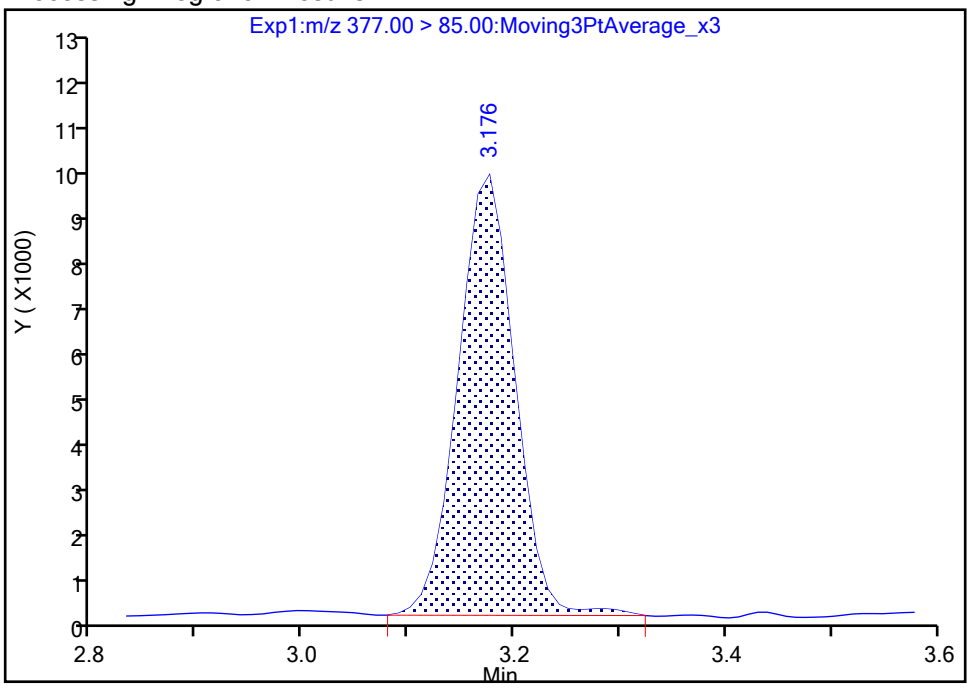
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A05.d				
Injection Date:	03-Mar-2021 16:04:16	Instrument ID:	LC812		
Lims ID:	CCVL				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

77 DONA, CAS: 919005-14-4

Signal: 2

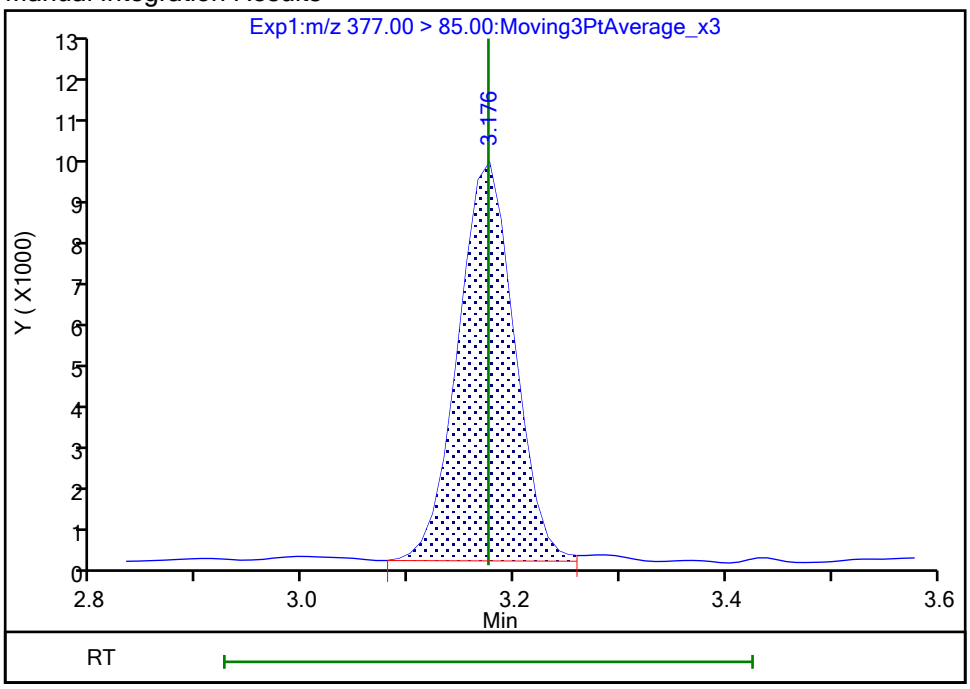
Processing Integration Results

RT: 3.18
Area: 35833
Amount: 0.046155
Amount Units: ng/ml



Manual Integration Results

RT: 3.18
Area: 35489
Amount: 0.046411
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 08:52:27

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

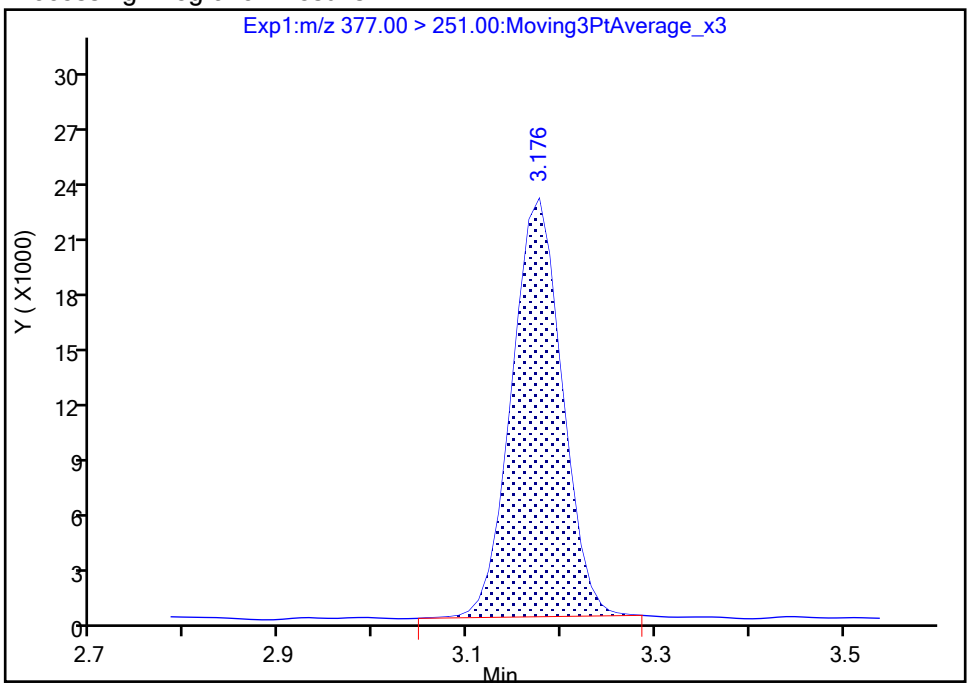
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A05.d				
Injection Date:	03-Mar-2021 16:04:16	Instrument ID:	LC812		
Lims ID:	CCVL				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

77 DONA, CAS: 919005-14-4

Signal: 1

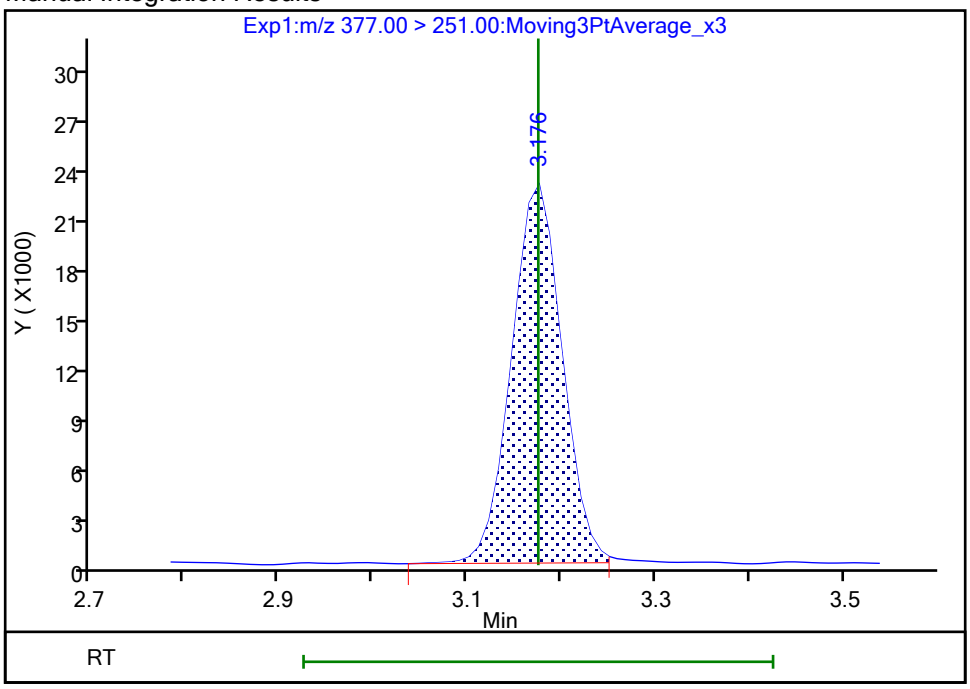
Processing Integration Results

RT: 3.18
Area: 85273
Amount: 0.046155
Amount Units: ng/ml



Manual Integration Results

RT: 3.18
Area: 85746
Amount: 0.046411
Amount Units: ng/ml



Reviewer: deannd, 04-Mar-2021 08:40:59

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

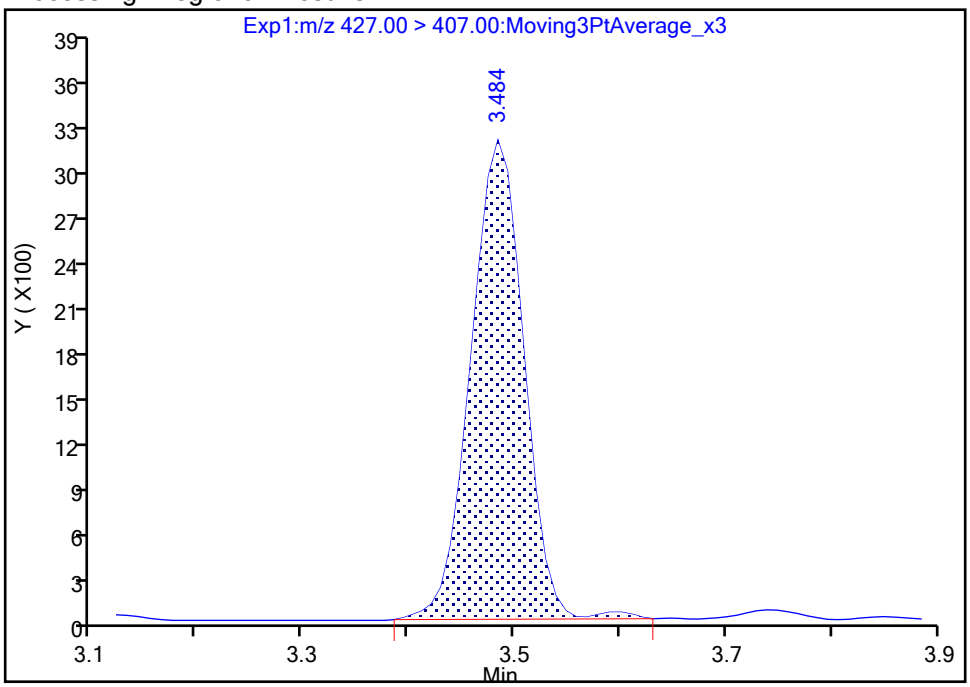
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A05.d				
Injection Date:	03-Mar-2021 16:04:16	Instrument ID:	LC812		
Lims ID:	CCVL				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

Signal: 1

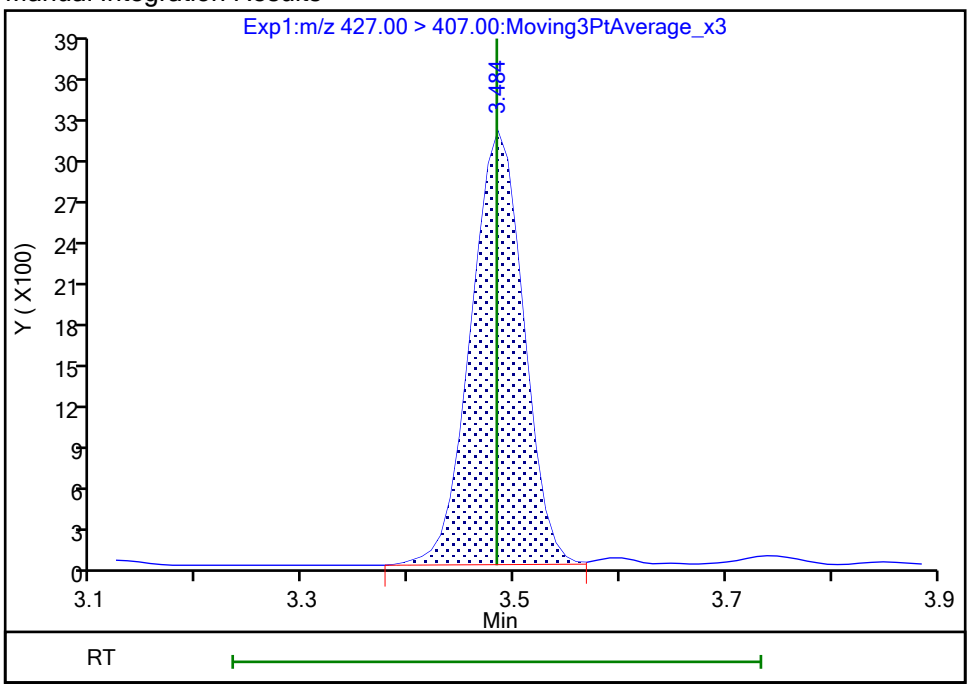
Processing Integration Results

RT: 3.48
Area: 11097
Amount: 0.098379
Amount Units: ng/ml



Manual Integration Results

RT: 3.48
Area: 11028
Amount: 0.097767
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 08:53:54
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

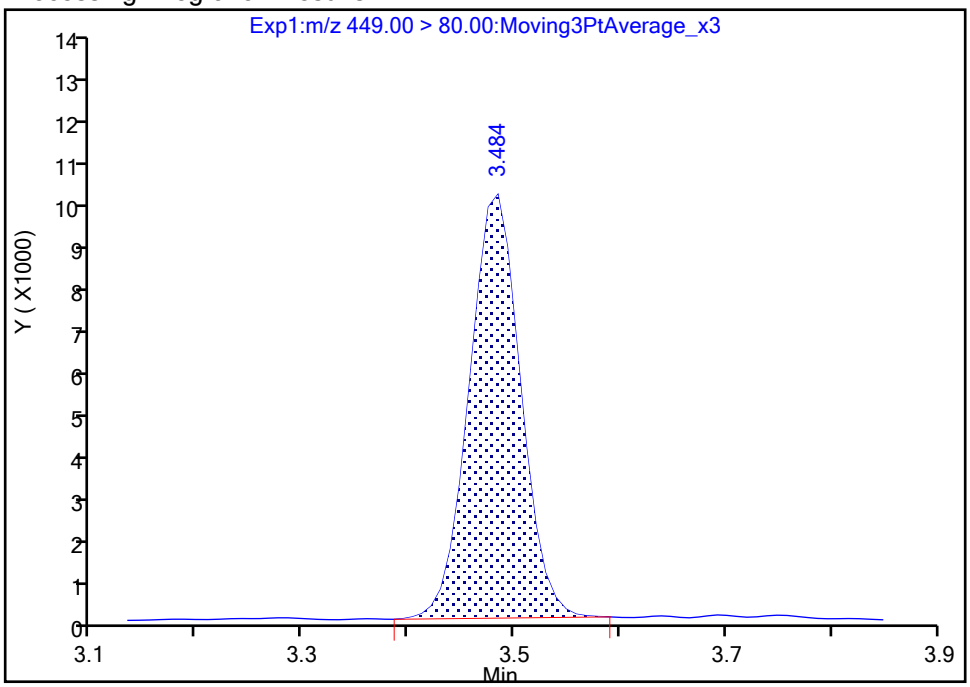
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A05.d				
Injection Date:	03-Mar-2021 16:04:16	Instrument ID:	LC812		
Lims ID:	CCVL				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

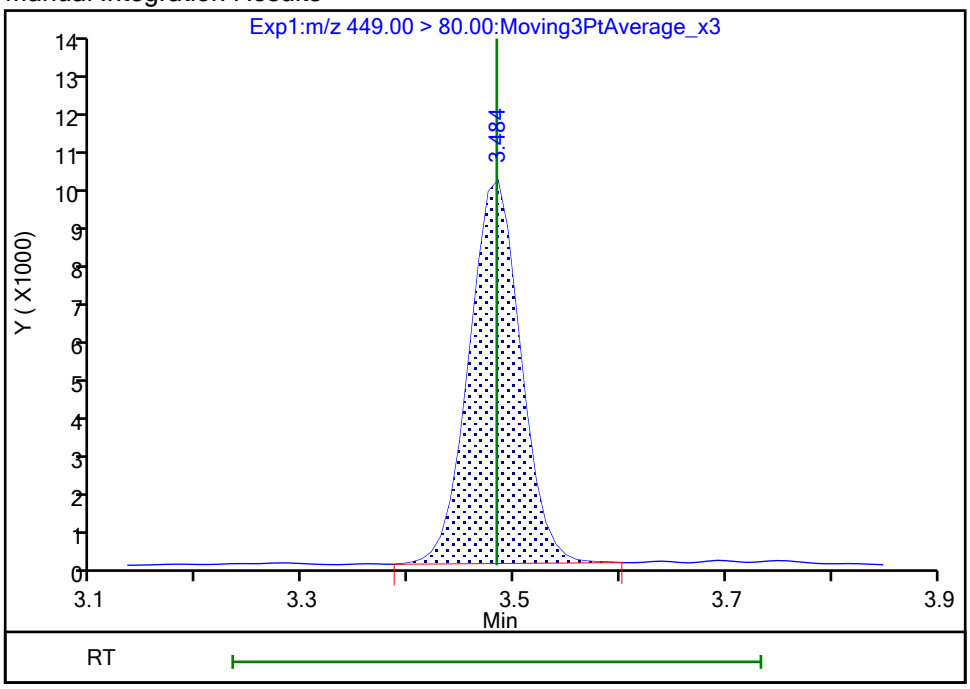
Processing Integration Results

RT: 3.48
Area: 33436
Amount: 0.044884
Amount Units: ng/ml



Manual Integration Results

RT: 3.48
Area: 33542
Amount: 0.045026
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 08:53:15

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

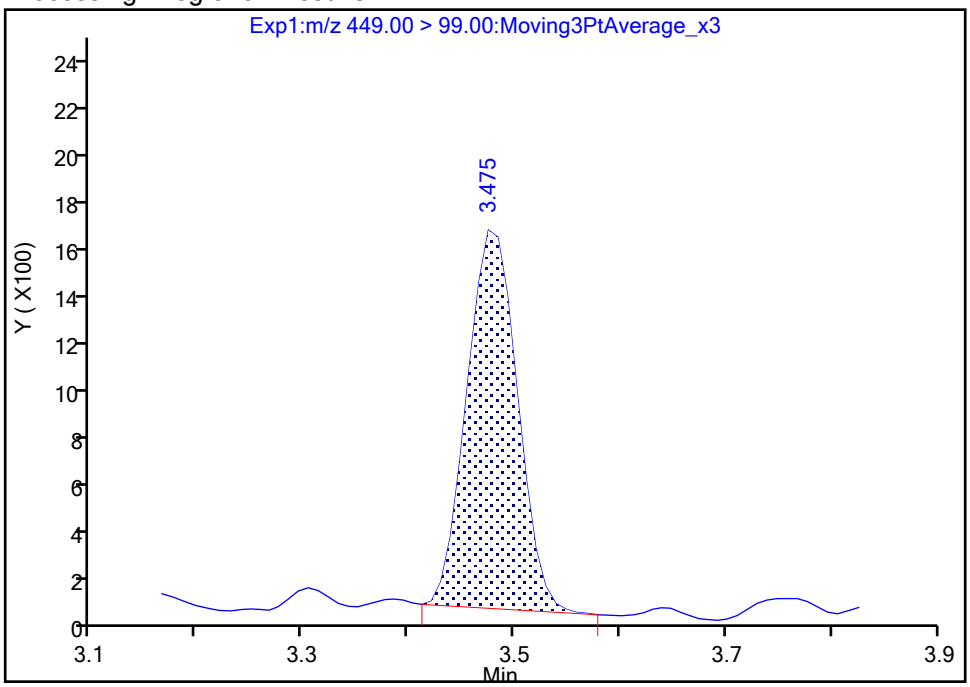
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A05.d				
Injection Date:	03-Mar-2021 16:04:16	Instrument ID:	LC812		
Lims ID:	CCVL				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

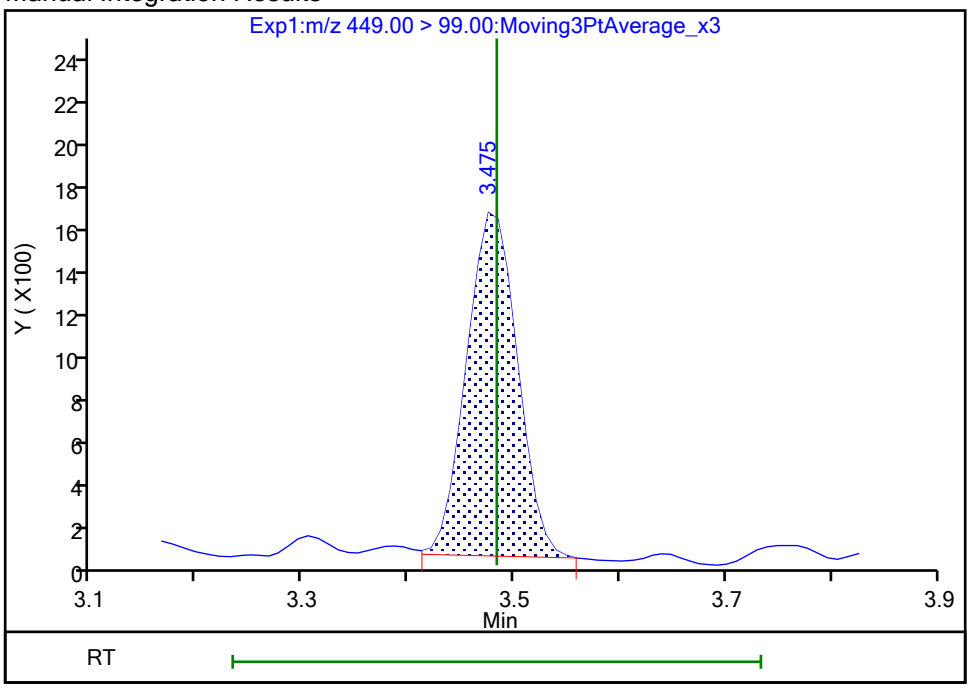
Processing Integration Results

RT: 3.48
Area: 5212
Amount: 0.044884
Amount Units: ng/ml



Manual Integration Results

RT: 3.48
Area: 5258
Amount: 0.045026
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 08:53:40

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

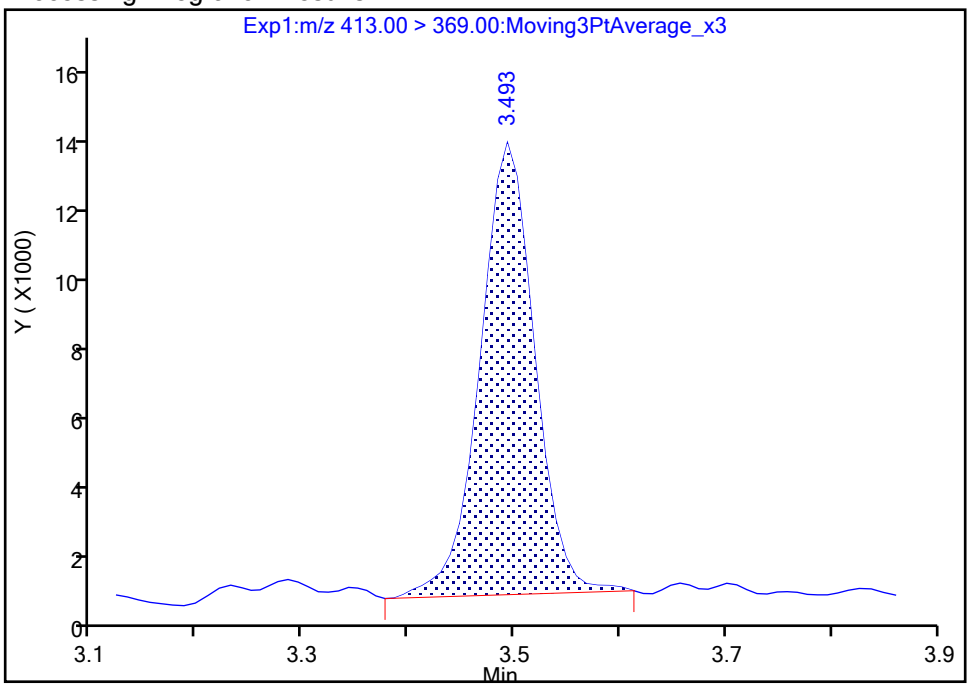
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A05.d				
Injection Date:	03-Mar-2021 16:04:16	Instrument ID:	LC812		
Lims ID:	CCVL				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

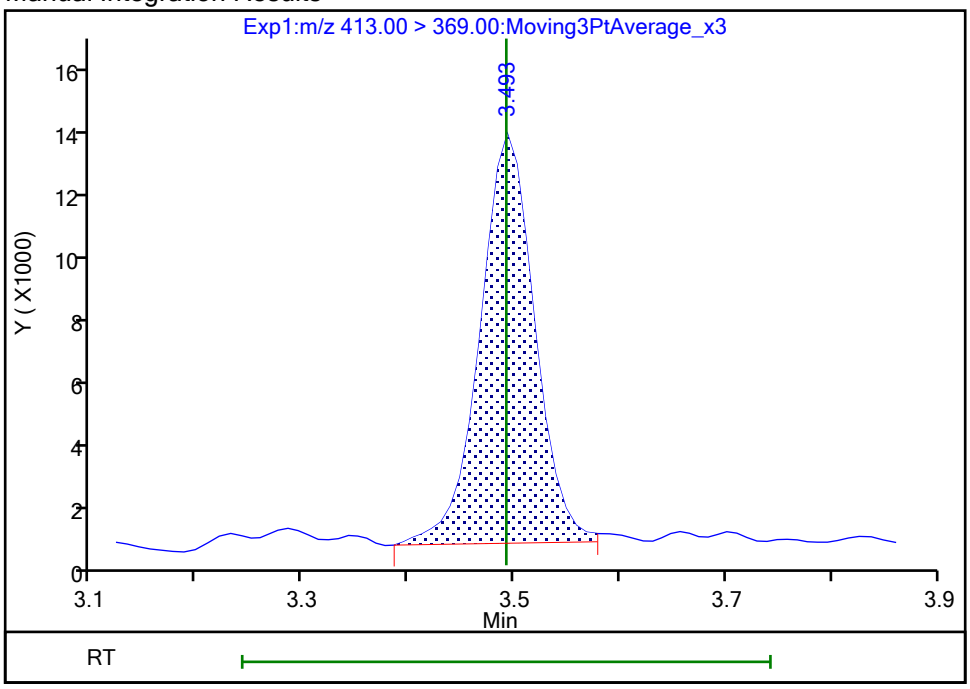
Processing Integration Results

RT: 3.49
Area: 44441
Amount: 0.051906
Amount Units: ng/ml



Manual Integration Results

RT: 3.49
Area: 44572
Amount: 0.052059
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 08:54:07

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

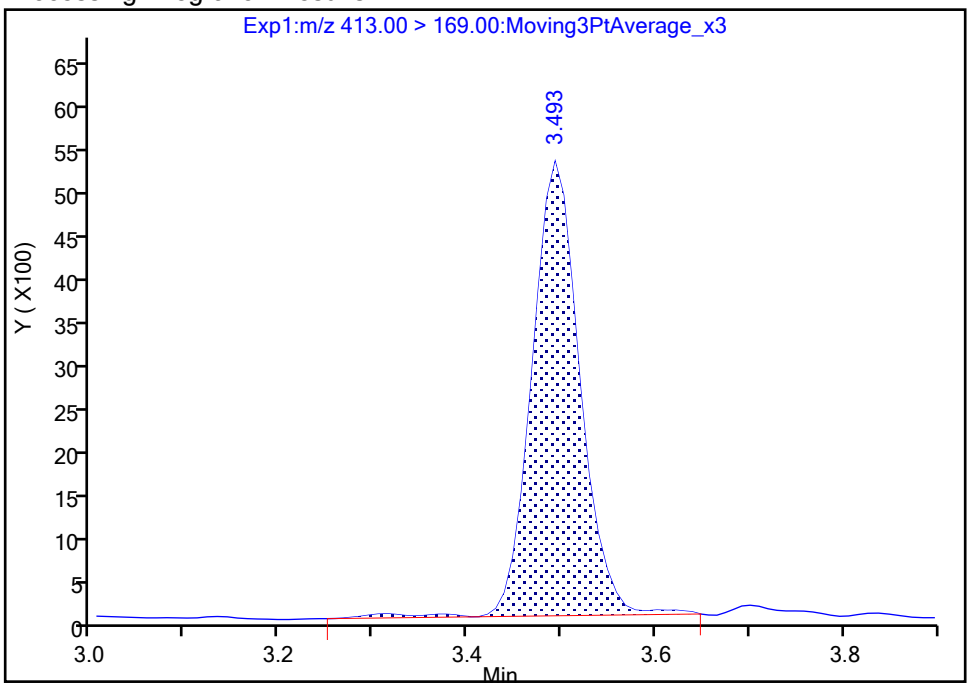
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A05.d				
Injection Date:	03-Mar-2021 16:04:16	Instrument ID:	LC812		
Lims ID:	CCVL				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

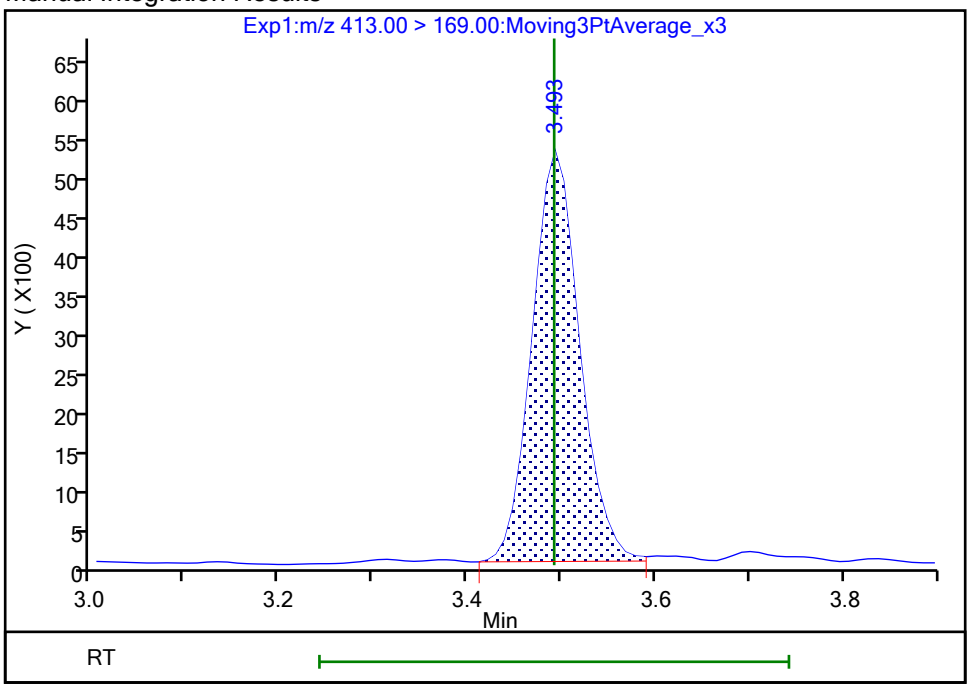
Processing Integration Results

RT: 3.49
Area: 18654
Amount: 0.051906
Amount Units: ng/ml



Manual Integration Results

RT: 3.49
Area: 18363
Amount: 0.052059
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 08:54:24
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

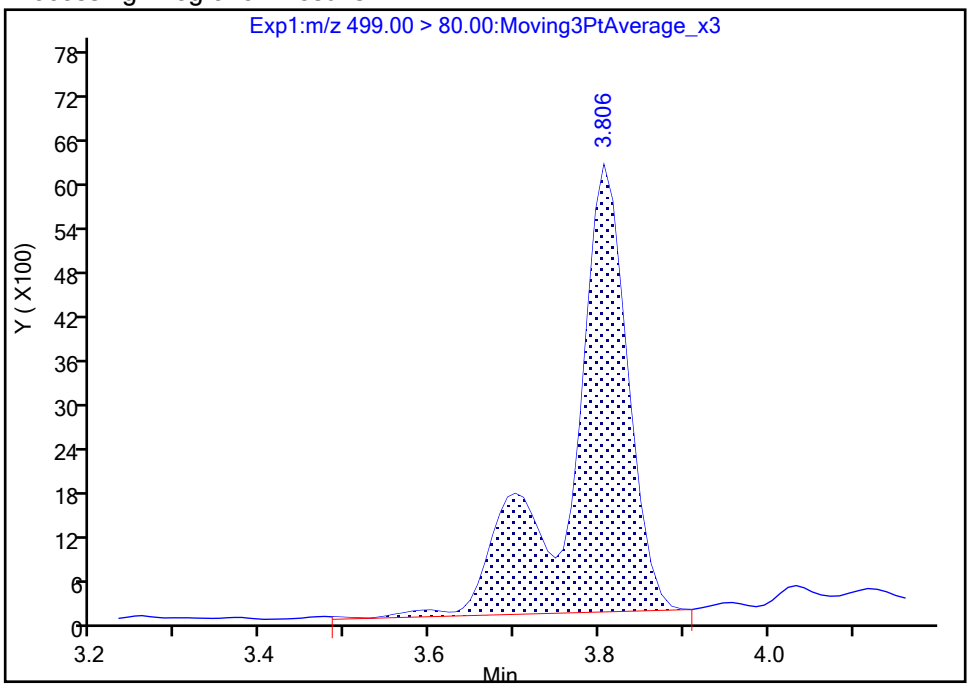
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A05.d				
Injection Date:	03-Mar-2021 16:04:16	Instrument ID:	LC812		
Lims ID:	CCVL				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

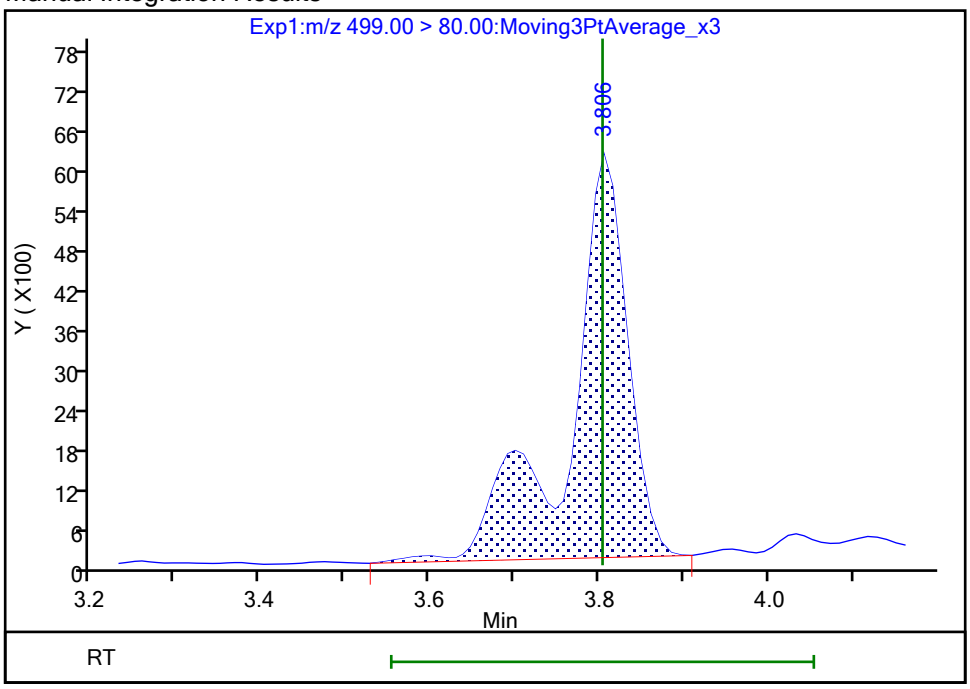
Processing Integration Results

RT: 3.81
Area: 29285
Amount: 0.046150
Amount Units: ng/ml



Manual Integration Results

RT: 3.81
Area: 29231
Amount: 0.046065
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 08:54:57

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

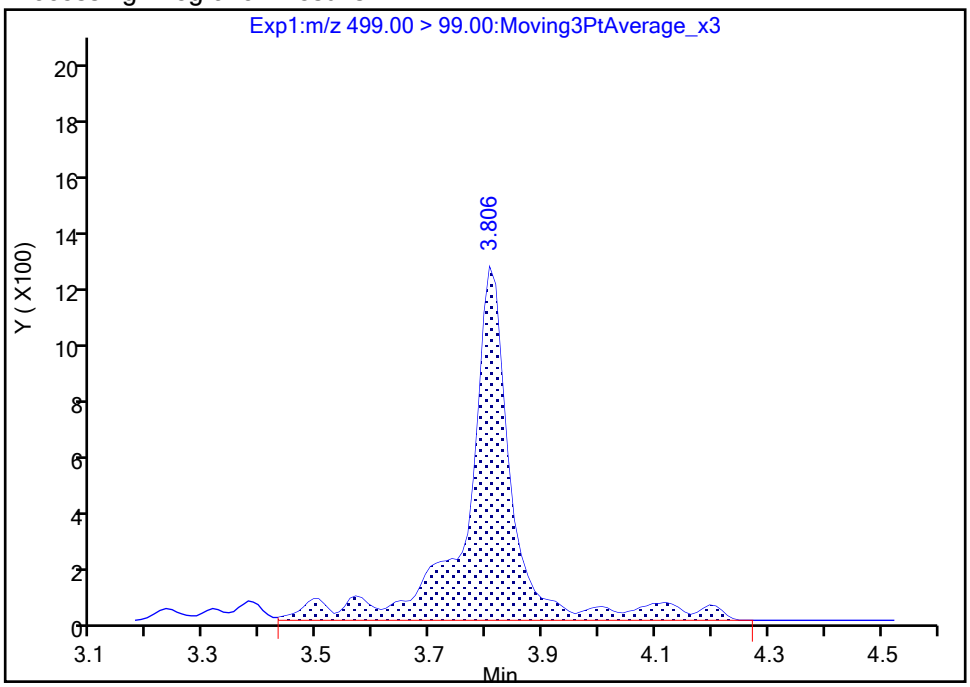
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A05.d				
Injection Date:	03-Mar-2021 16:04:16	Instrument ID:	LC812		
Lims ID:	CCVL				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

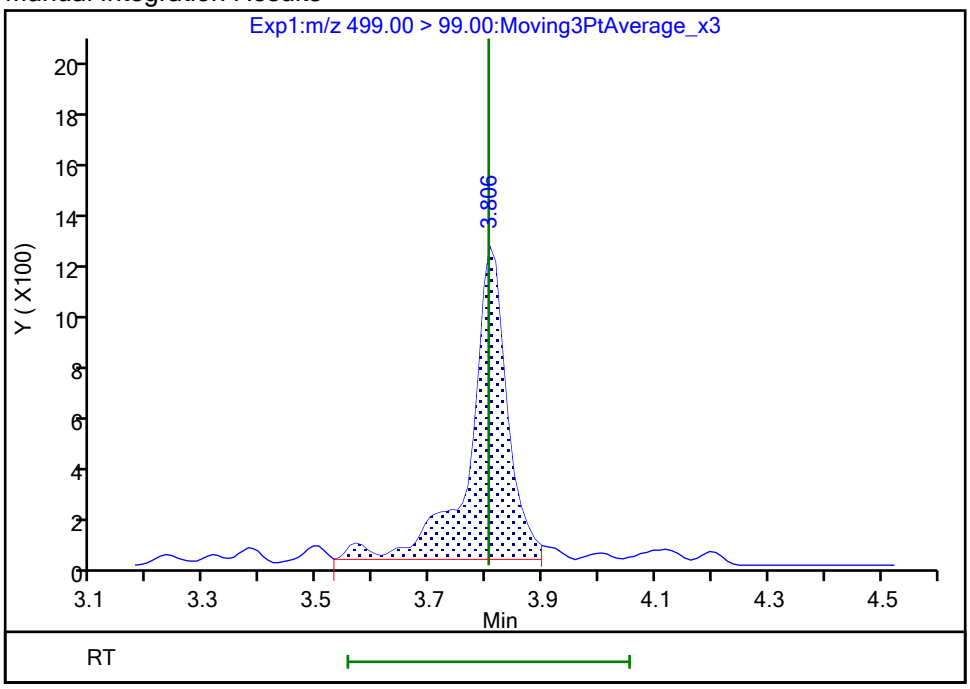
Processing Integration Results

RT: 3.81
Area: 7299
Amount: 0.046150
Amount Units: ng/ml



Manual Integration Results

RT: 3.81
Area: 5675
Amount: 0.046065
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 08:55:21

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

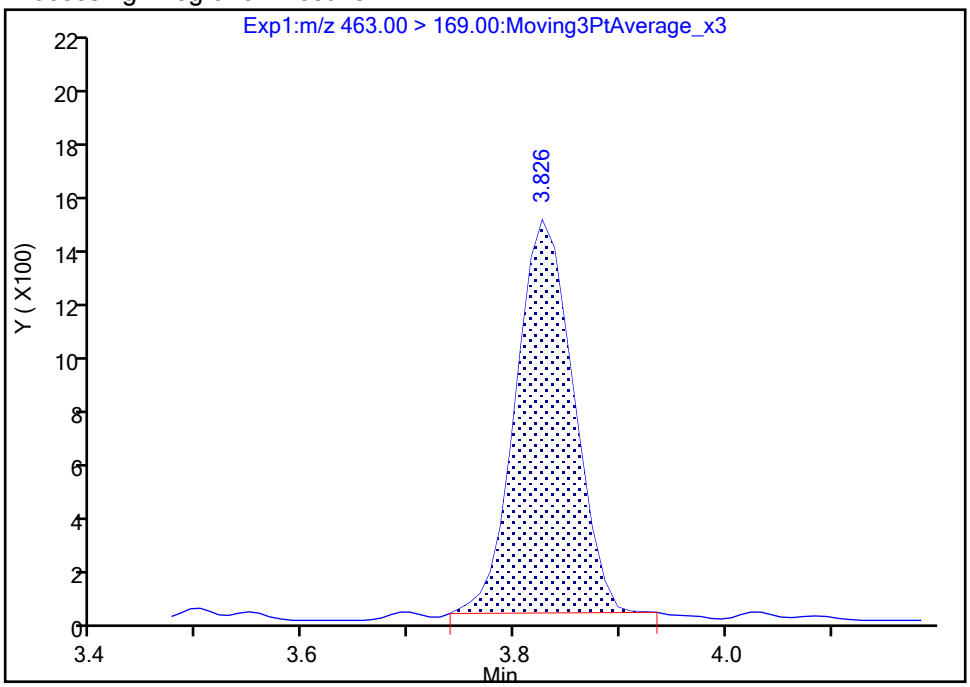
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A05.d				
Injection Date:	03-Mar-2021 16:04:16	Instrument ID:	LC812		
Lims ID:	CCVL				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

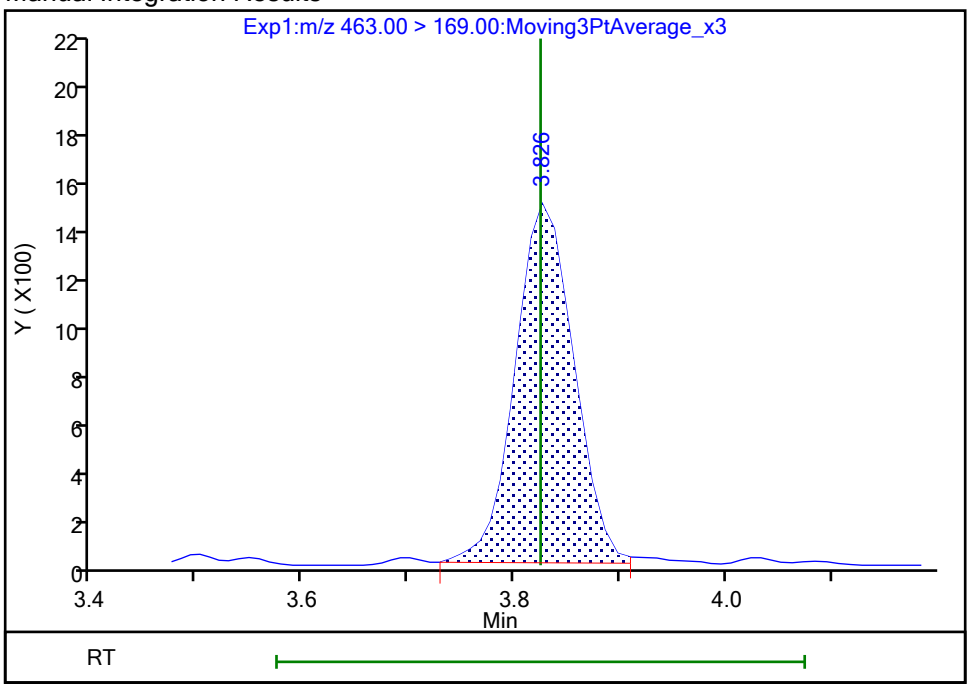
Processing Integration Results

RT: 3.83
Area: 5378
Amount: 0.044108
Amount Units: ng/ml



Manual Integration Results

RT: 3.83
Area: 5551
Amount: 0.045596
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 08:55:45

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

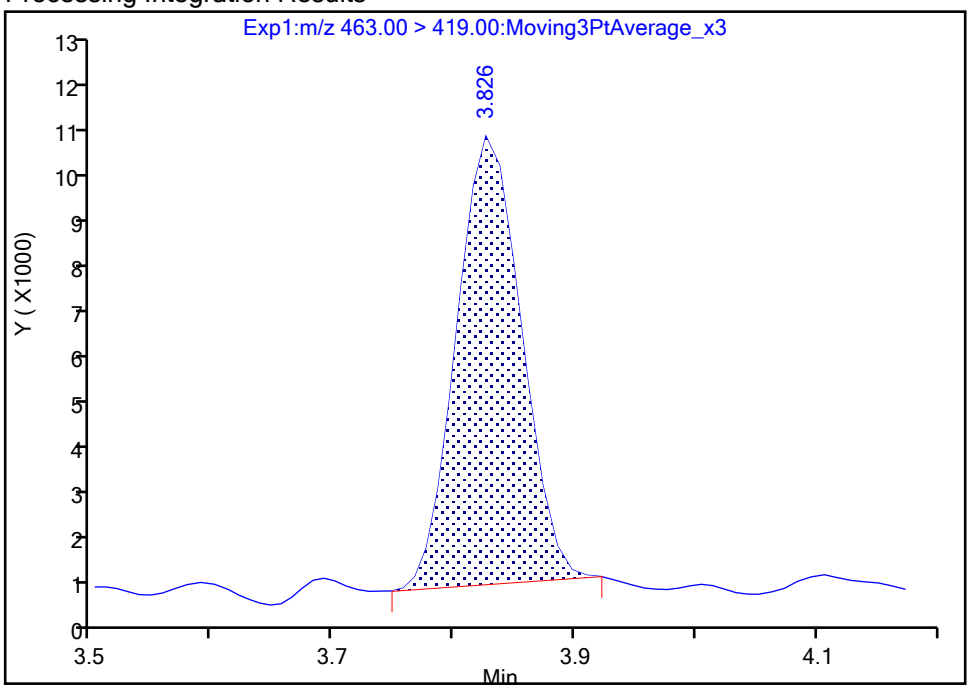
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A05.d				
Injection Date:	03-Mar-2021 16:04:16	Instrument ID:	LC812		
Lims ID:	CCVL				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

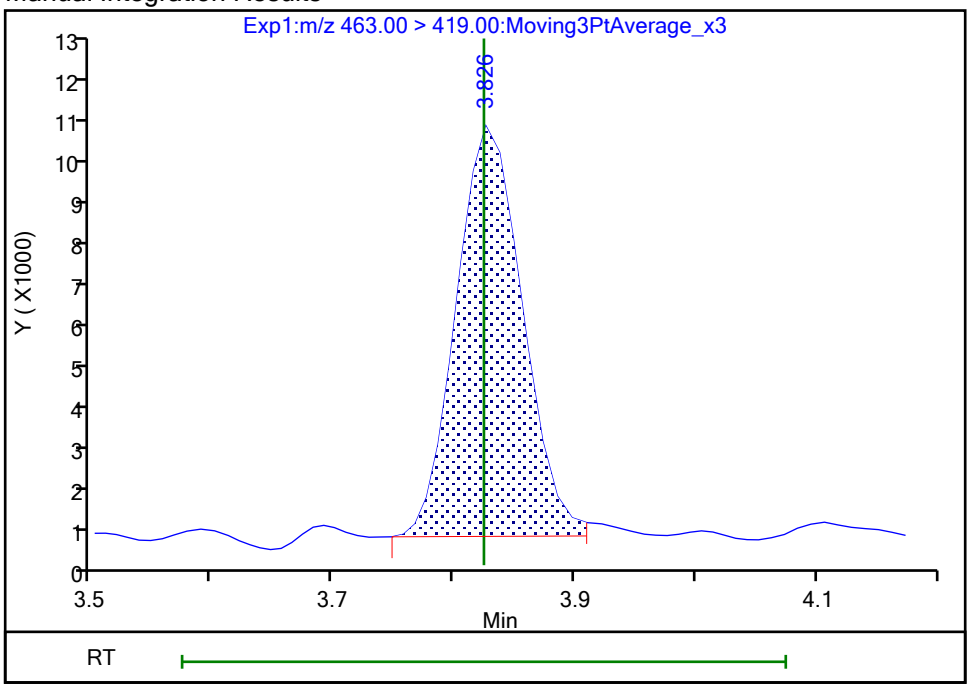
Processing Integration Results

RT: 3.83
Area: 33557
Amount: 0.044108
Amount Units: ng/ml



Manual Integration Results

RT: 3.83
Area: 34689
Amount: 0.045596
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 08:56:01
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

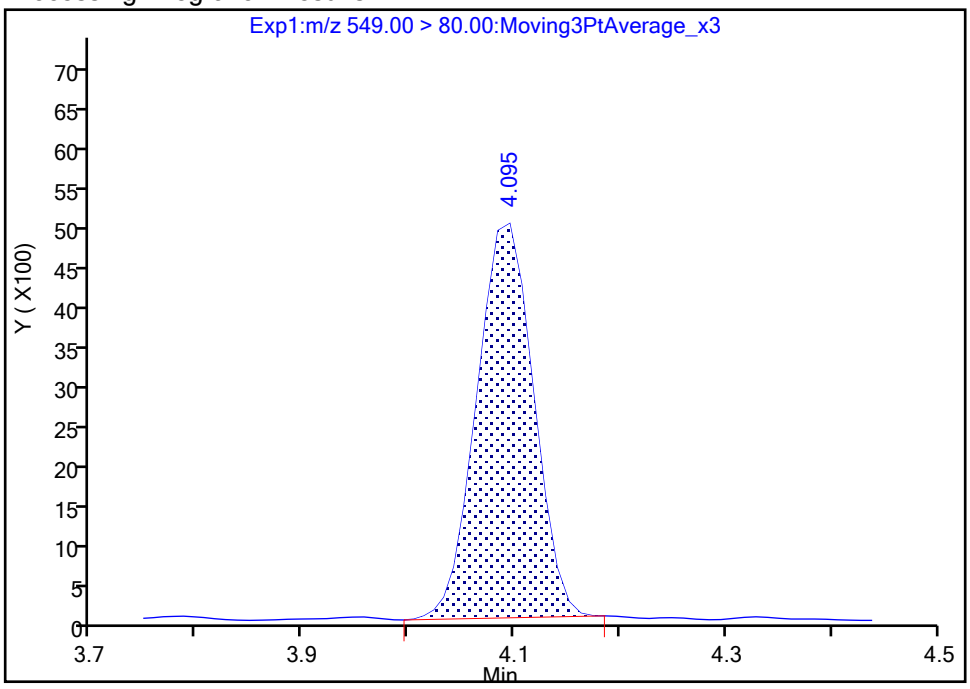
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A05.d				
Injection Date:	03-Mar-2021 16:04:16	Instrument ID:	LC812		
Lims ID:	CCVL				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

68 Perfluorononanesulfonic acid, CAS: 68259-12-1

Signal: 1

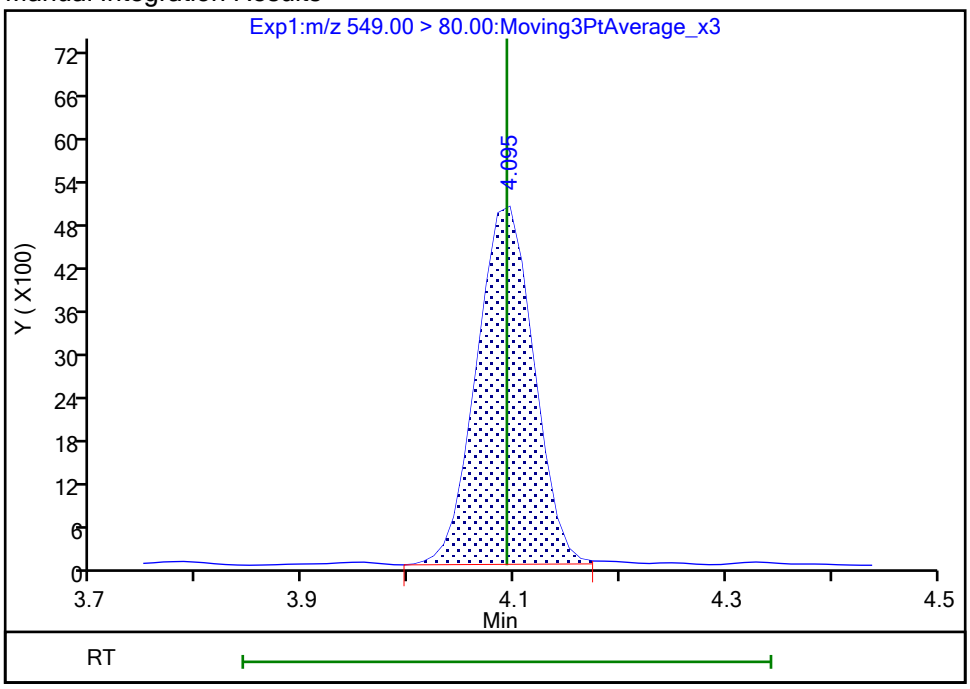
Processing Integration Results

RT: 4.10
Area: 18573
Amount: 0.039231
Amount Units: ng/ml



Manual Integration Results

RT: 4.10
Area: 18758
Amount: 0.039621
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 08:56:22

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

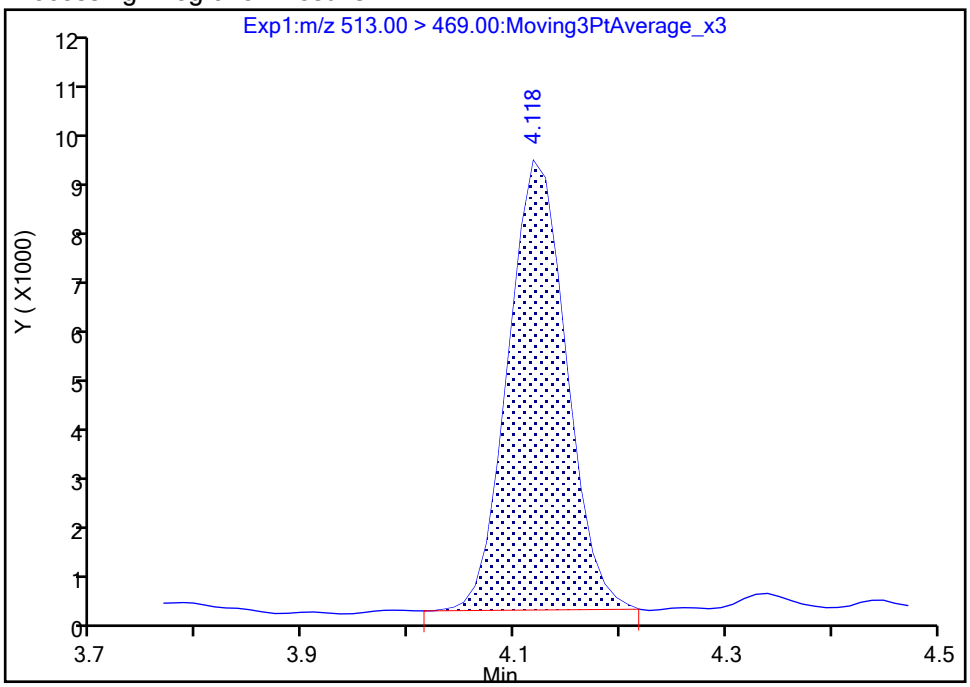
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Injection Date:	03-Mar-2021 16:04:16	Instrument ID:	LC812		
Lims ID:	CCVL				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

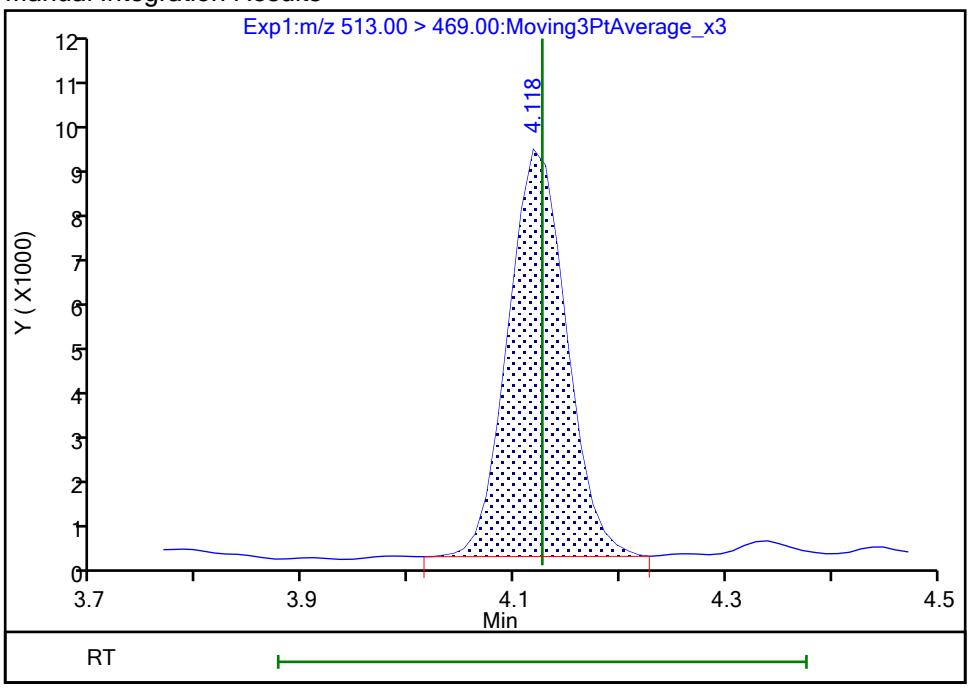
Processing Integration Results

RT: 4.12
Area: 34015
Amount: 0.054508
Amount Units: ng/ml



Manual Integration Results

RT: 4.12
Area: 34184
Amount: 0.054779
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 08:56:52

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

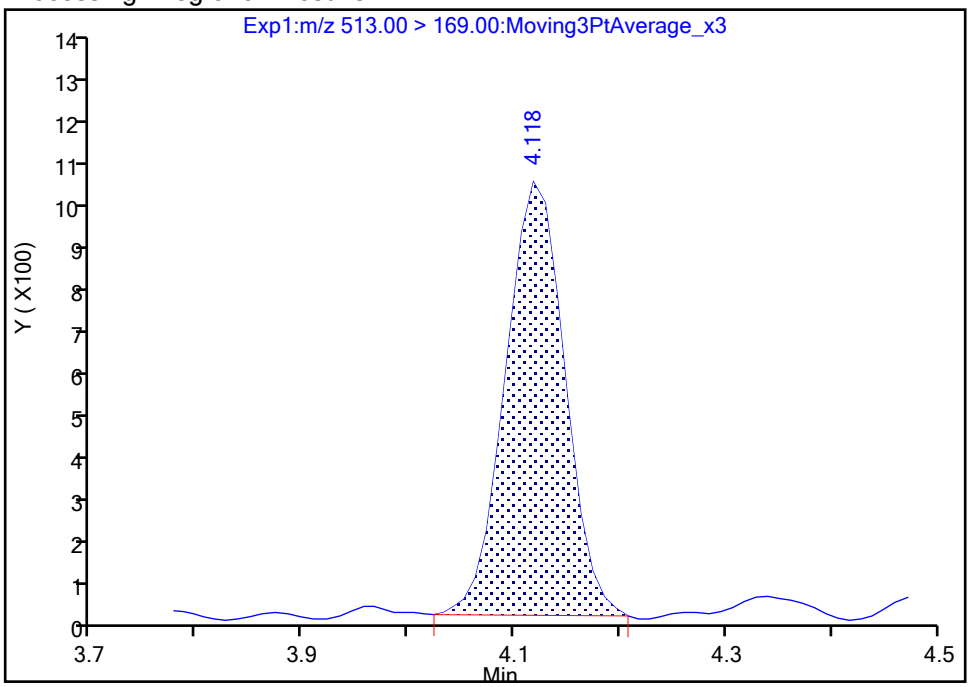
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A05.d				
Injection Date:	03-Mar-2021 16:04:16	Instrument ID:	LC812		
Lims ID:	CCVL				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

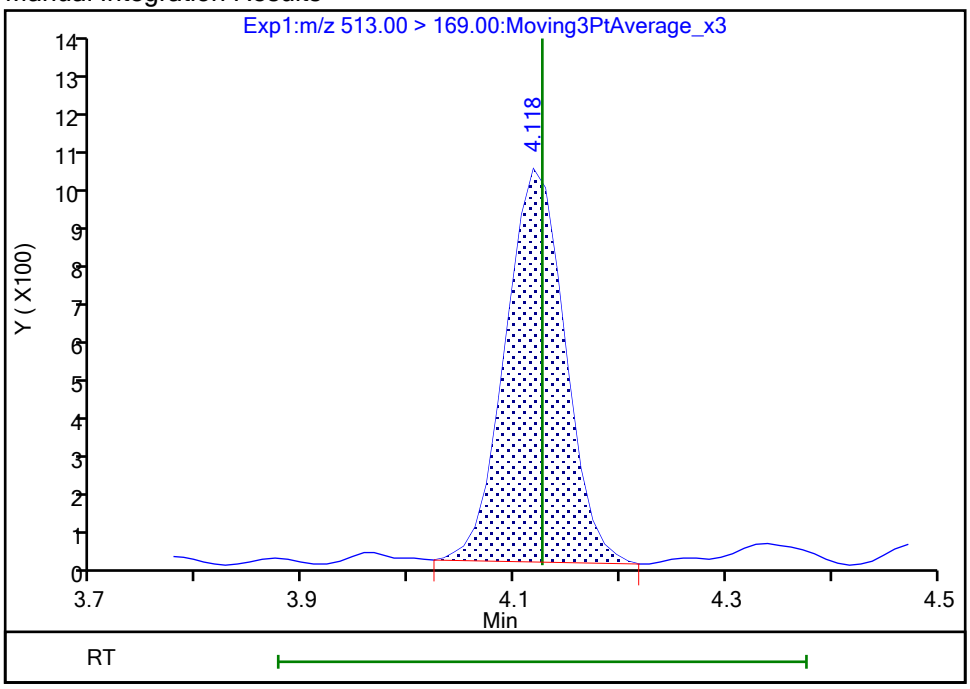
Processing Integration Results

RT: 4.12
Area: 3874
Amount: 0.054508
Amount Units: ng/ml



Manual Integration Results

RT: 4.12
Area: 3911
Amount: 0.054779
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 08:57:00

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

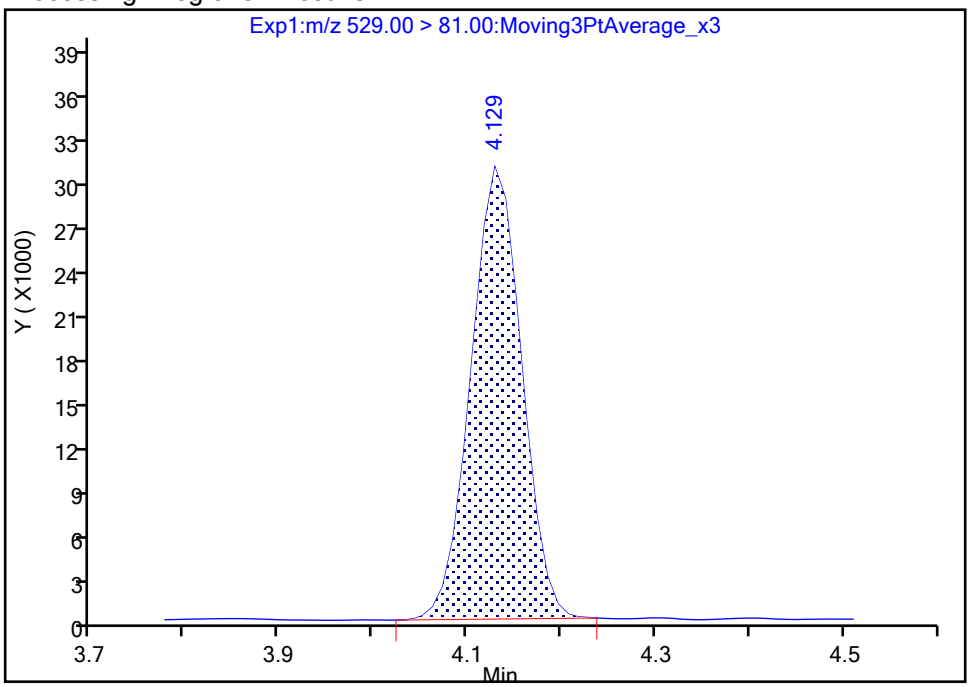
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A05.d				
Injection Date:	03-Mar-2021 16:04:16	Instrument ID:	LC812		
Lims ID:	CCVL				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 26 M2-8:2 FTS, CAS: STL02280

Signal: 1

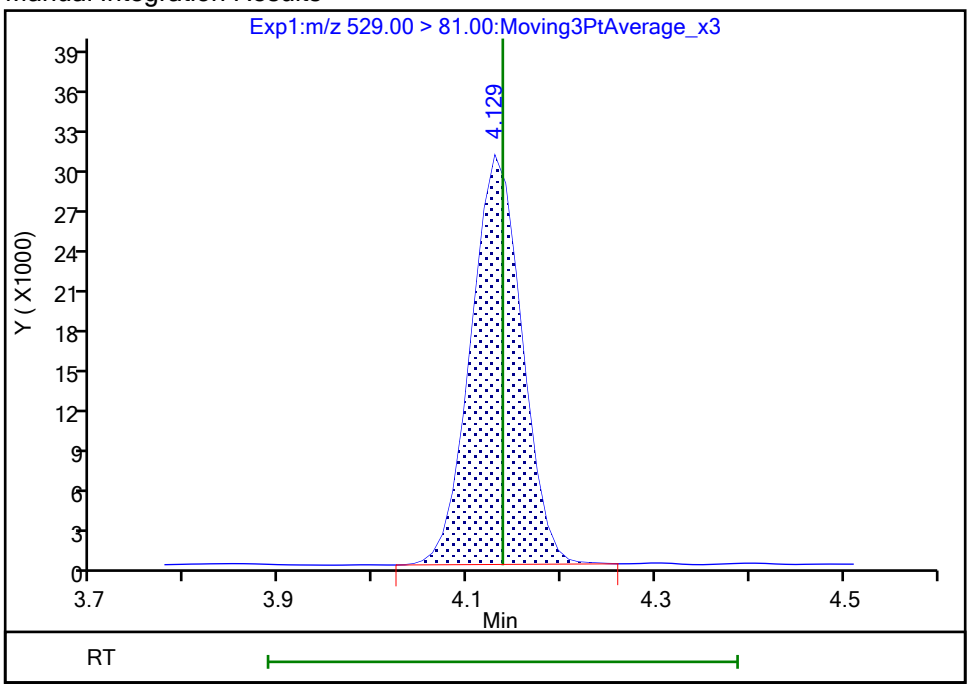
Processing Integration Results

RT: 4.13
Area: 114730
Amount: 1.167074
Amount Units: ng/ml



Manual Integration Results

RT: 4.13
Area: 115168
Amount: 1.171530
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 08:21:31

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

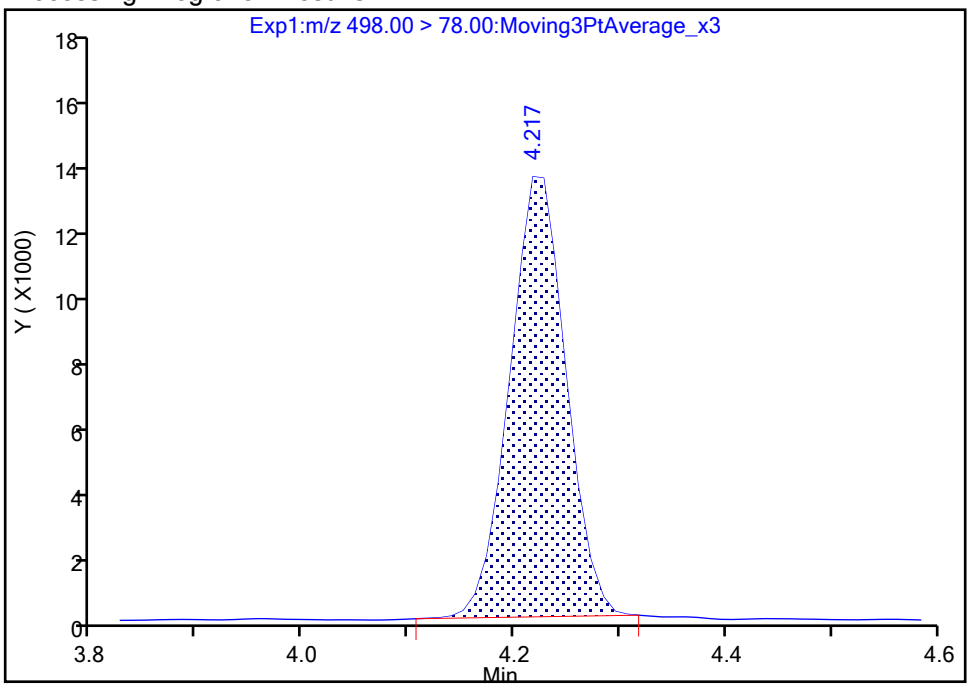
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A05.d				
Injection Date:	03-Mar-2021 16:04:16	Instrument ID:	LC812		
Lims ID:	CCVL				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

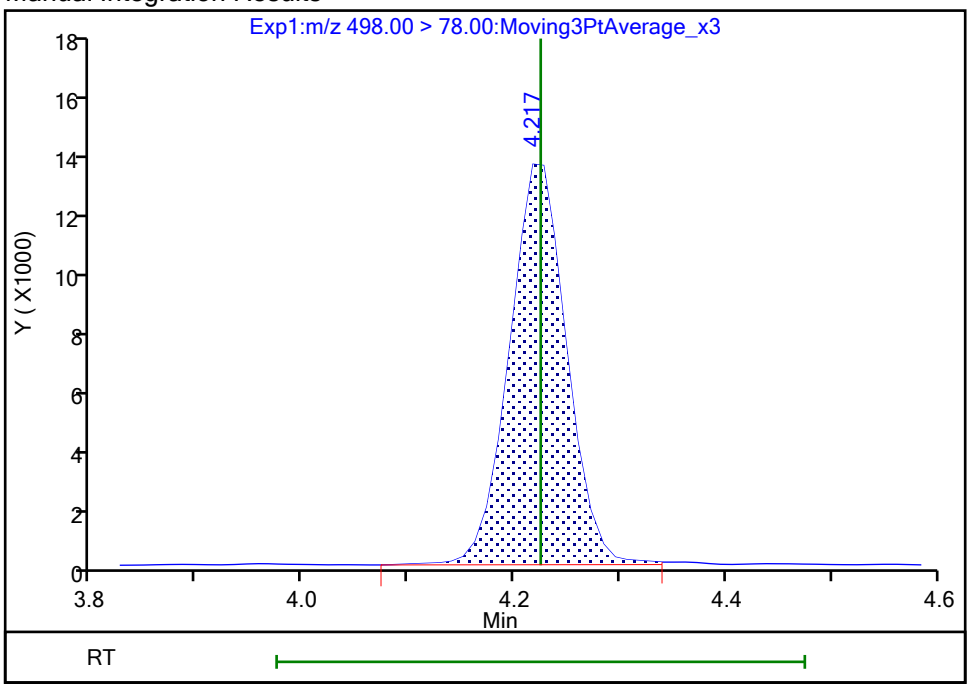
Processing Integration Results

RT: 4.22
Area: 48364
Amount: 0.048359
Amount Units: ng/ml



Manual Integration Results

RT: 4.22
Area: 49617
Amount: 0.049612
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 08:57:46

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

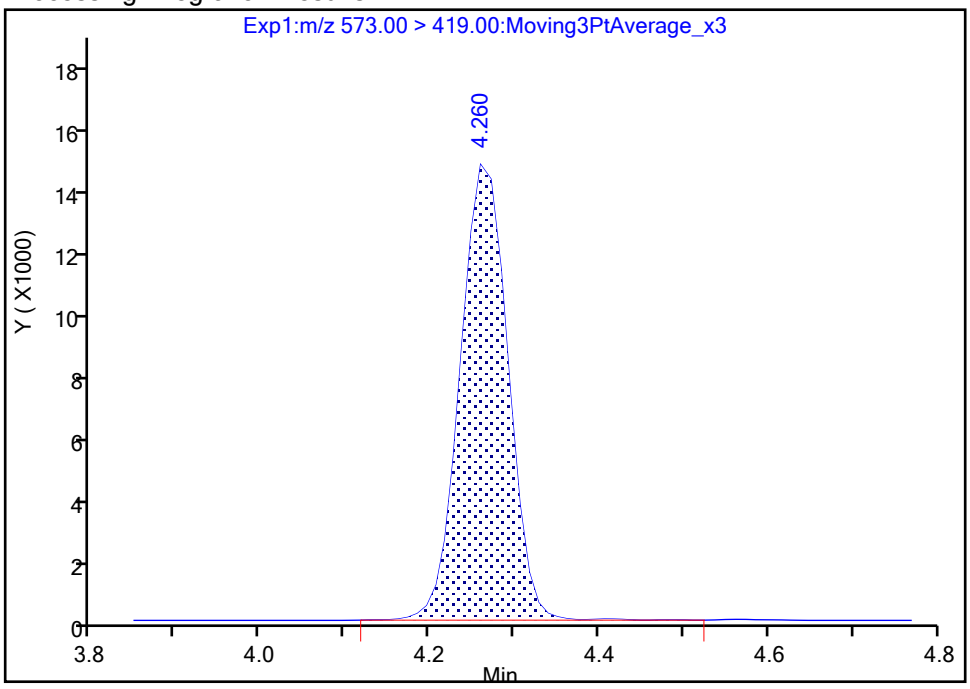
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A05.d				
Injection Date:	03-Mar-2021 16:04:16	Instrument ID:	LC812		
Lims ID:	CCVL				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

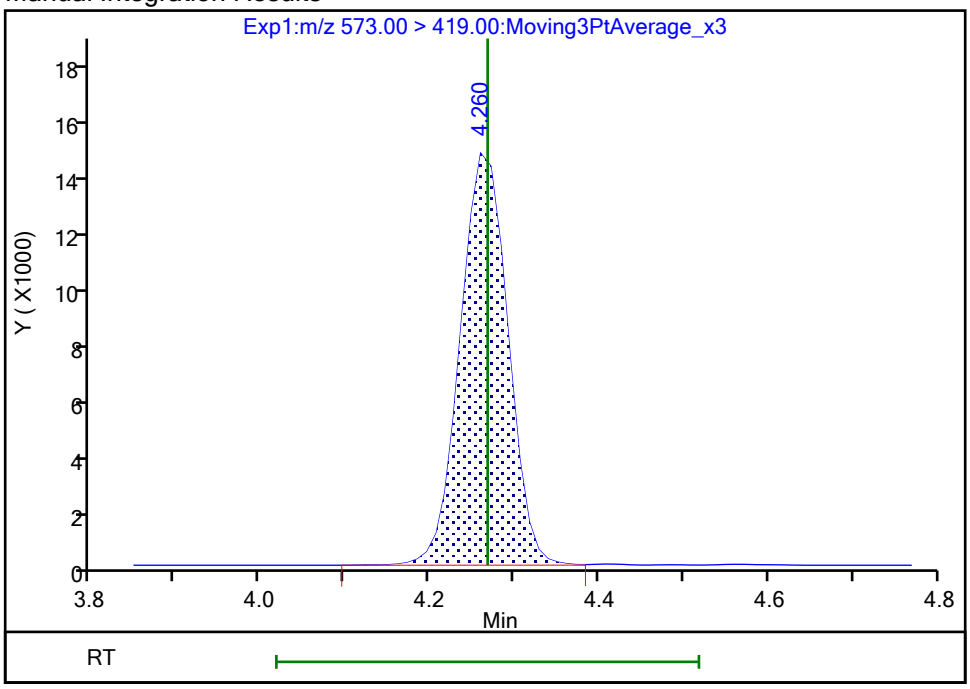
Processing Integration Results

RT: 4.26
Area: 56728
Amount: 1.167499
Amount Units: ng/ml



Manual Integration Results

RT: 4.26
Area: 56697
Amount: 1.166861
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 08:22:19

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

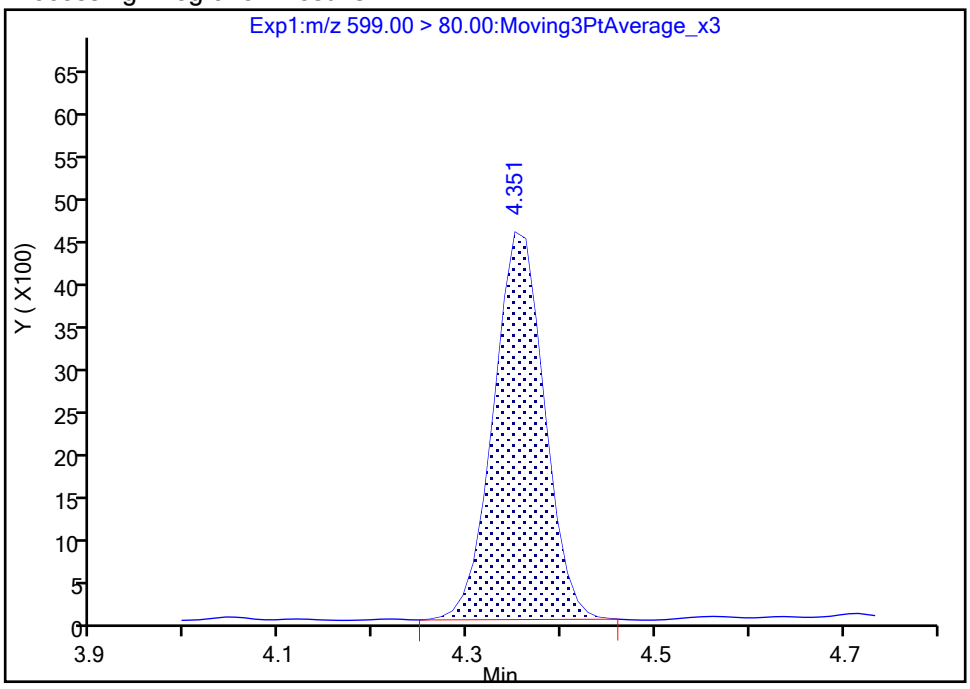
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A05.d				
Injection Date:	03-Mar-2021 16:04:16	Instrument ID:	LC812		
Lims ID:	CCVL				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

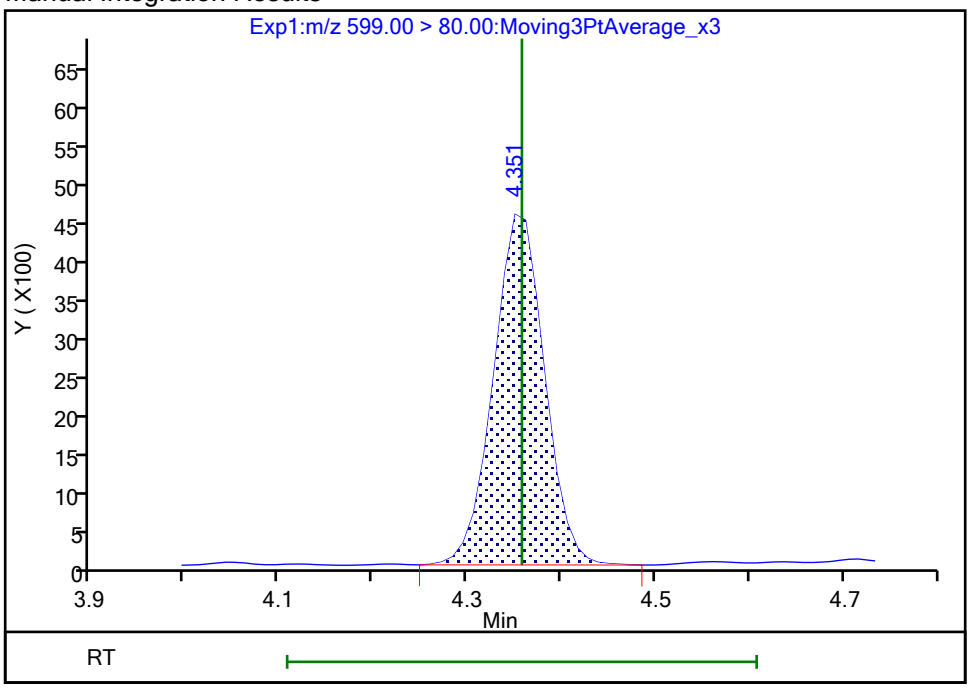
Processing Integration Results

RT: 4.35
Area: 17173
Amount: 0.045499
Amount Units: ng/ml



Manual Integration Results

RT: 4.35
Area: 17249
Amount: 0.045700
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 08:58:14

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

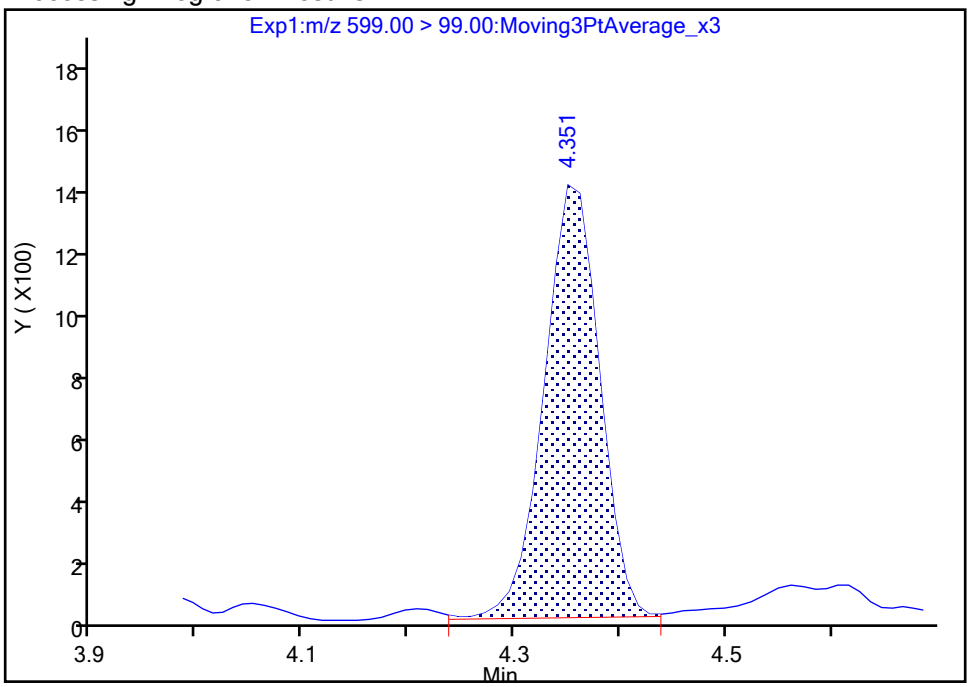
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A05.d				
Injection Date:	03-Mar-2021 16:04:16	Instrument ID:	LC812		
Lims ID:	CCVL				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

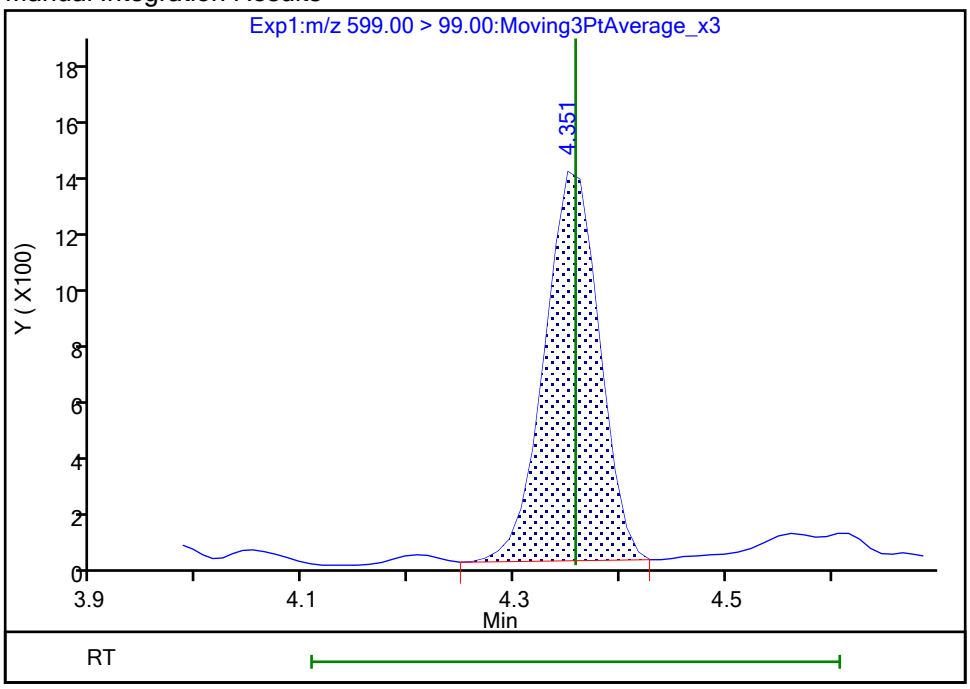
Processing Integration Results

RT: 4.35
Area: 4941
Amount: 0.045499
Amount Units: ng/ml



Manual Integration Results

RT: 4.35
Area: 4855
Amount: 0.045700
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 08:58:23

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

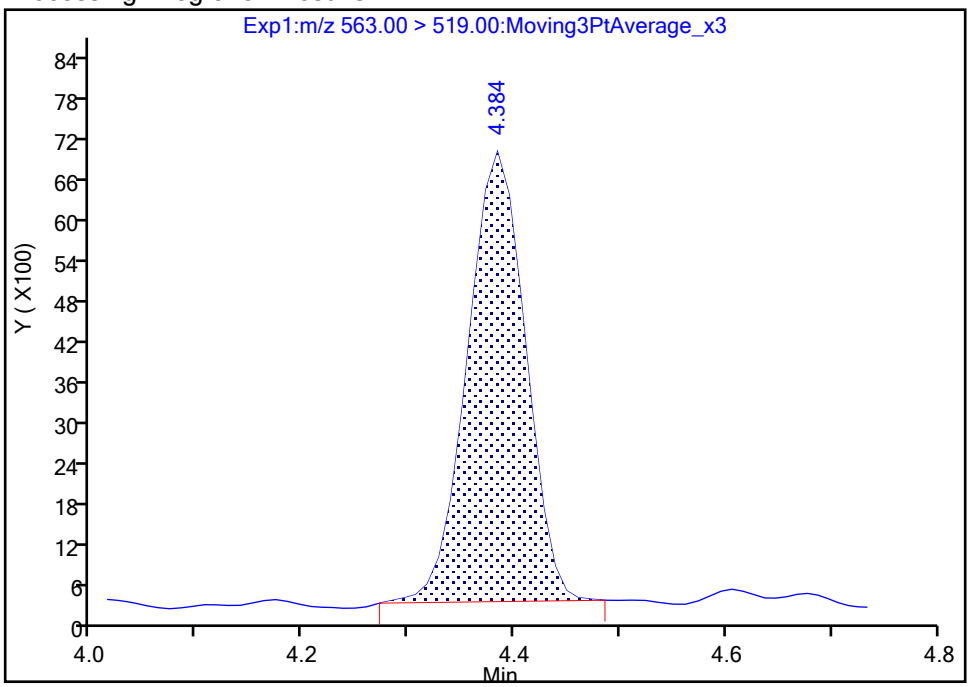
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A05.d				
Injection Date:	03-Mar-2021 16:04:16	Instrument ID:	LC812		
Lims ID:	CCVL				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

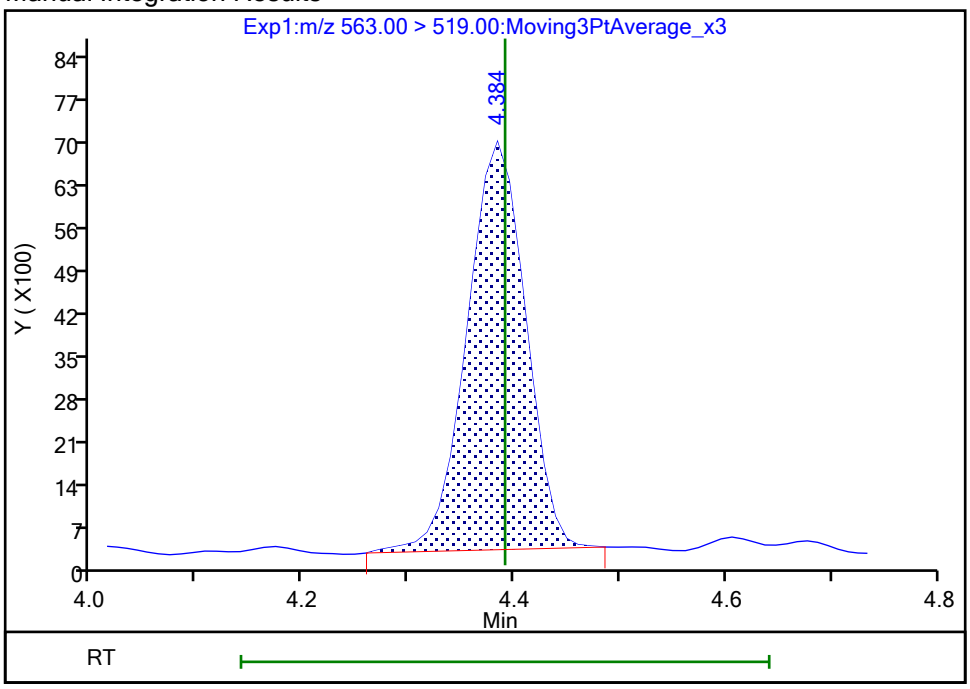
Processing Integration Results

RT: 4.38
Area: 25229
Amount: 0.052115
Amount Units: ng/ml



Manual Integration Results

RT: 4.38
Area: 25559
Amount: 0.052796
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 08:58:44

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

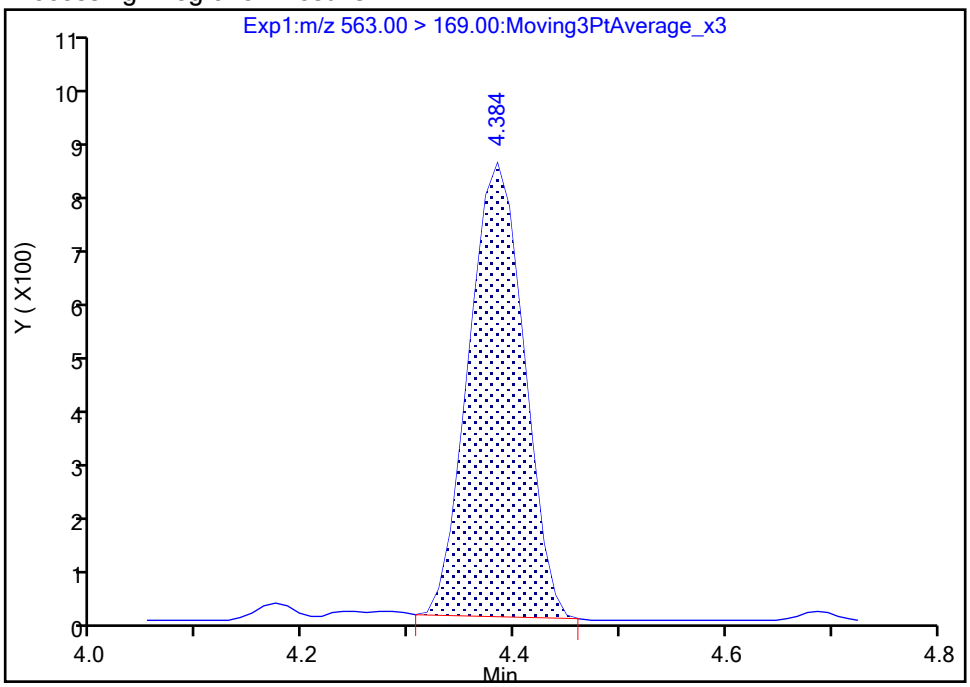
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A05.d				
Injection Date:	03-Mar-2021 16:04:16	Instrument ID:	LC812		
Lims ID:	CCVL				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

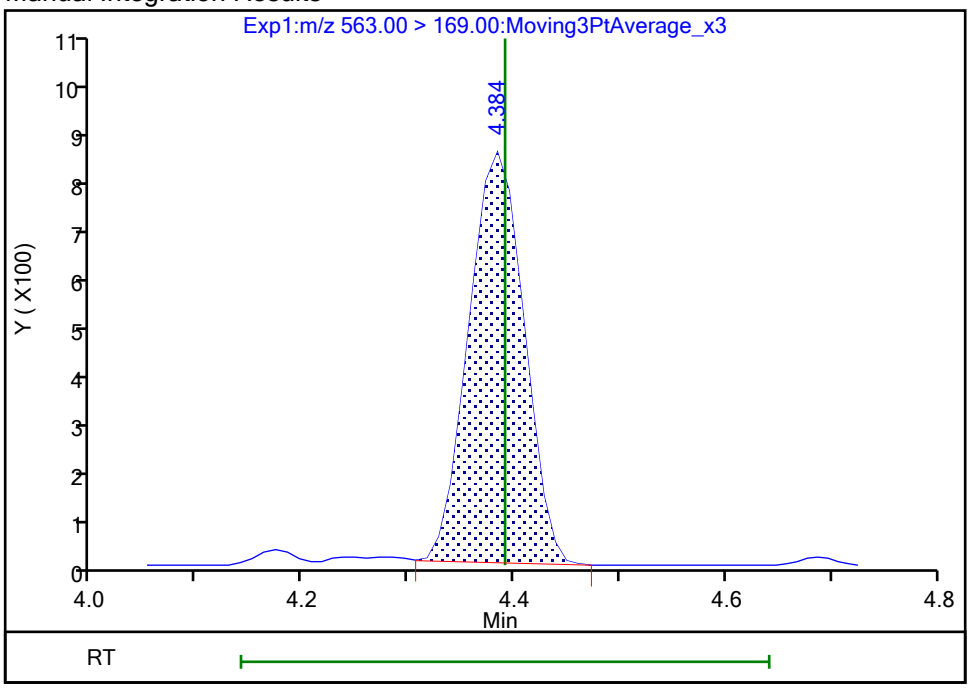
Processing Integration Results

RT: 4.38
Area: 2957
Amount: 0.052115
Amount Units: ng/ml



Manual Integration Results

RT: 4.38
Area: 2974
Amount: 0.052796
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 08:58:57

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

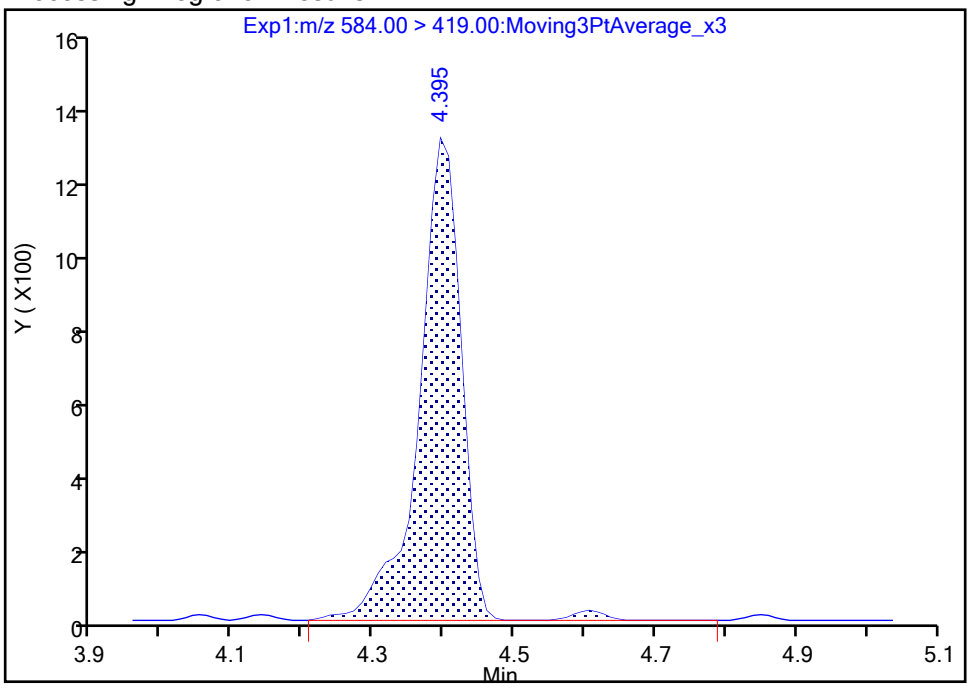
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A05.d				
Injection Date:	03-Mar-2021 16:04:16	Instrument ID:	LC812		
Lims ID:	CCVL				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

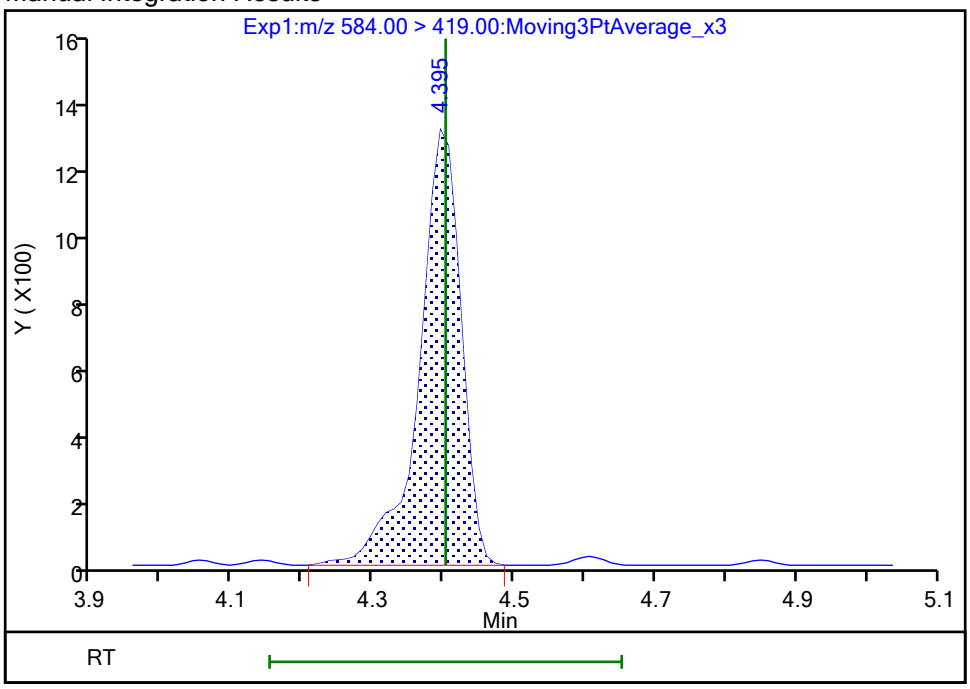
Processing Integration Results

RT: 4.39
Area: 5291
Amount: 0.136645
Amount Units: ng/ml



Manual Integration Results

RT: 4.39
Area: 5214
Amount: 0.134656
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 08:59:06

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

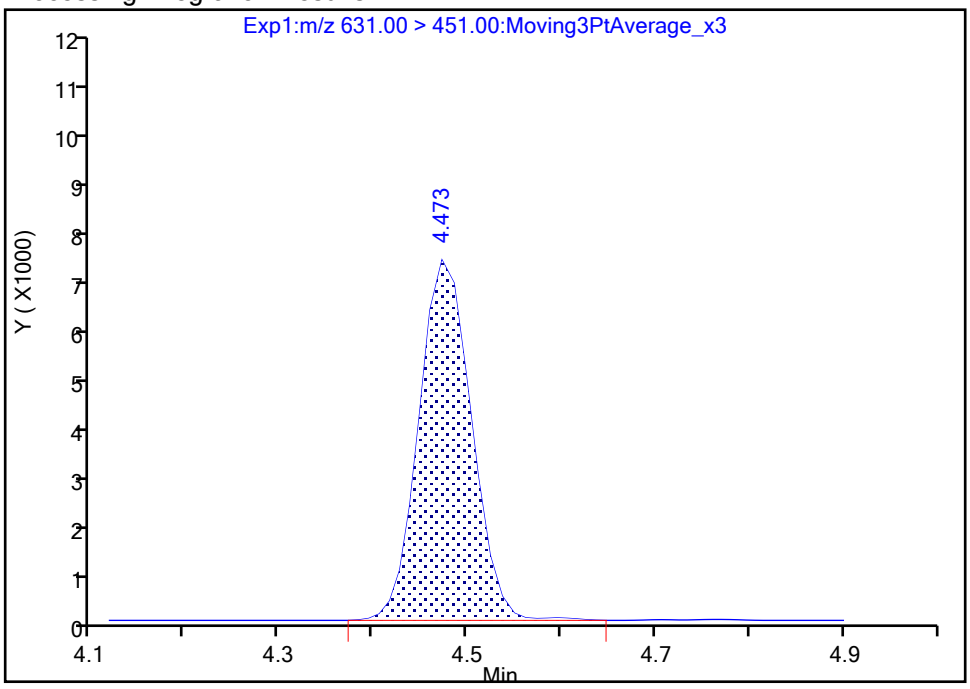
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A05.d				
Injection Date:	03-Mar-2021 16:04:16	Instrument ID:	LC812		
Lims ID:	CCVL				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

66 11-Chloroeicosafluoro-3-oxaundec, CAS: 763051-92-9

Signal: 1

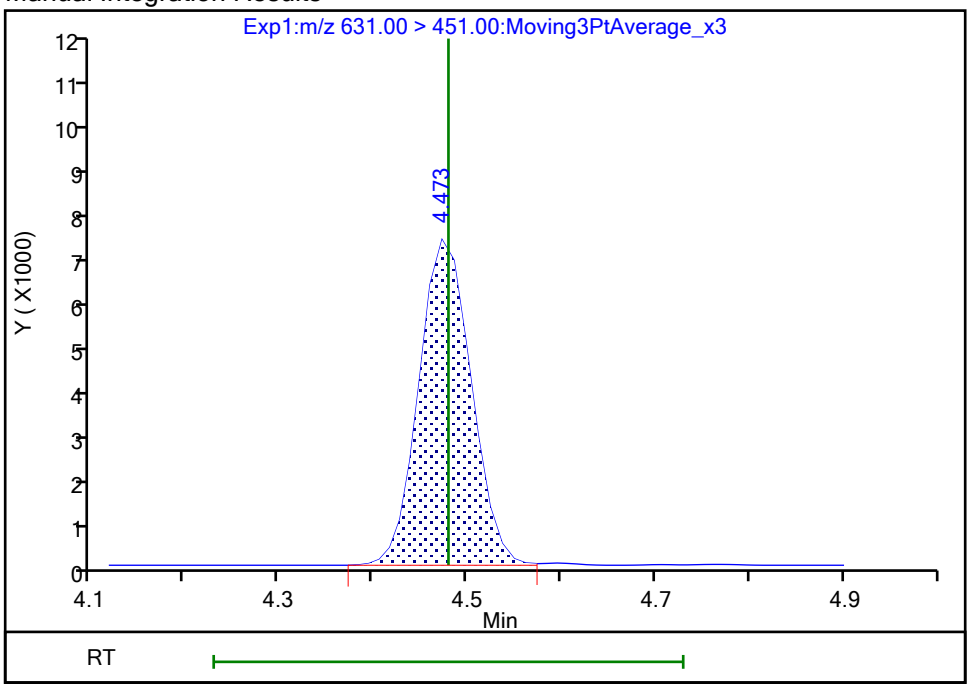
Processing Integration Results

RT: 4.47
Area: 27228
Amount: 0.037064
Amount Units: ng/ml



Manual Integration Results

RT: 4.47
Area: 27108
Amount: 0.036901
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 08:59:21
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

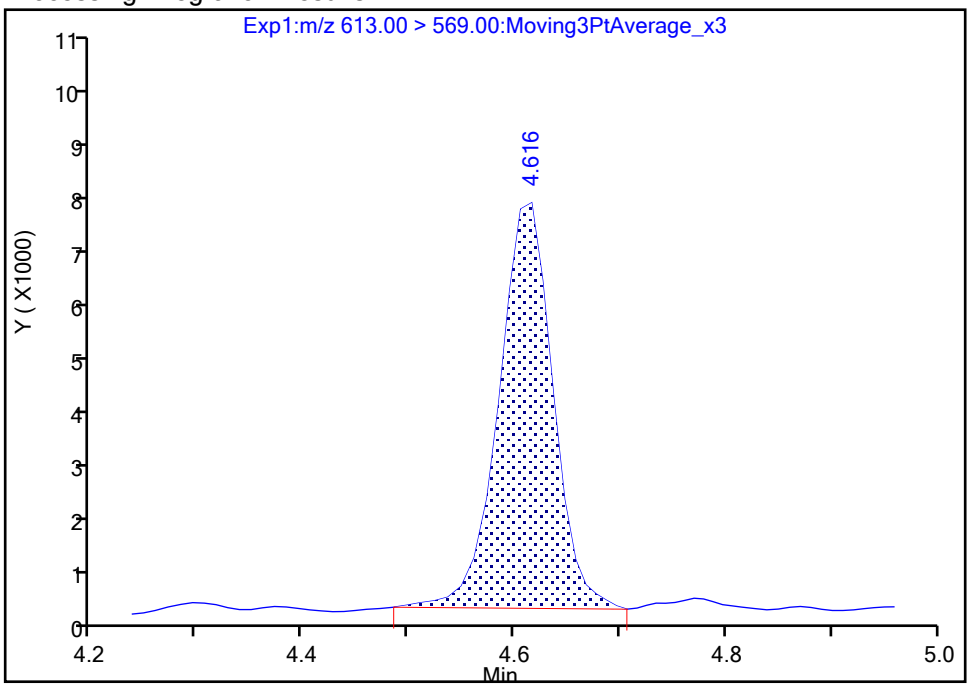
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A05.d				
Injection Date:	03-Mar-2021 16:04:16	Instrument ID:	LC812		
Lims ID:	CCVL				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

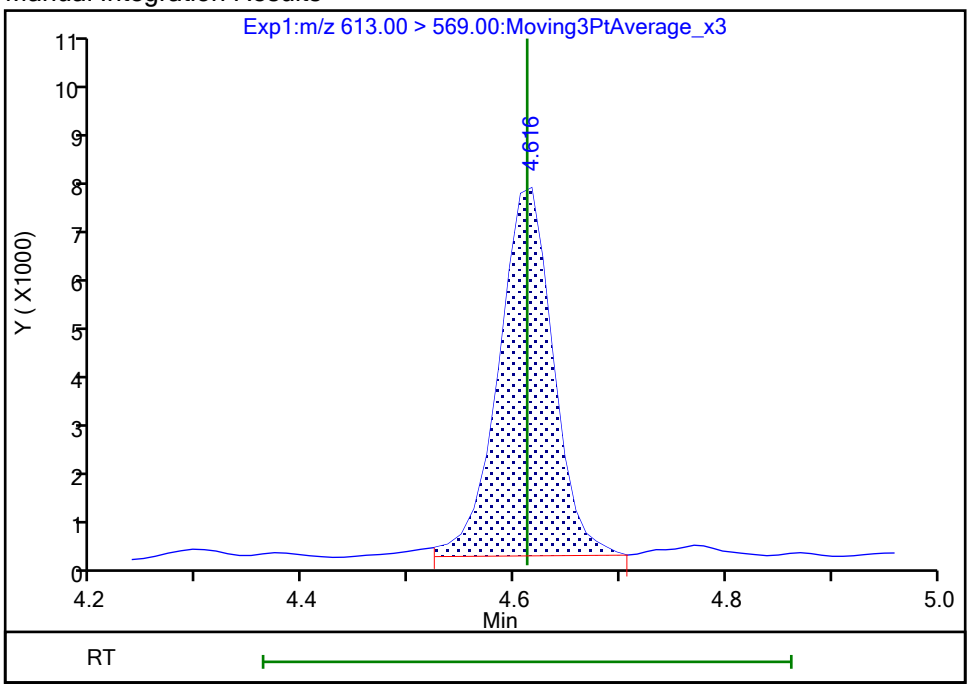
Processing Integration Results

RT: 4.62
Area: 25560
Amount: 0.046895
Amount Units: ng/ml



Manual Integration Results

RT: 4.62
Area: 25737
Amount: 0.047220
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 08:59:37
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

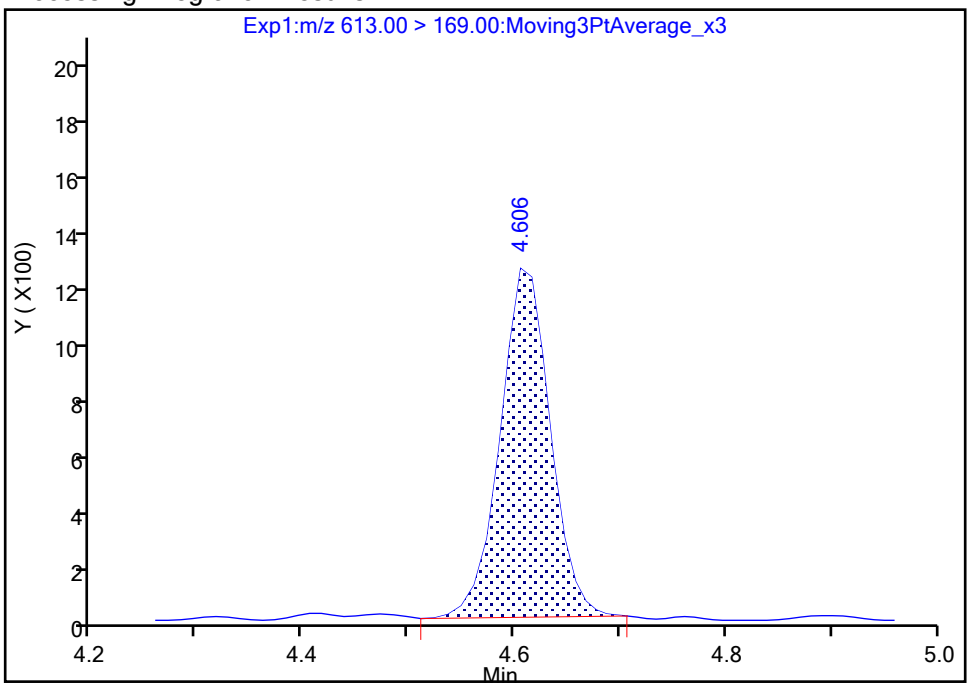
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A05.d				
Injection Date:	03-Mar-2021 16:04:16	Instrument ID:	LC812		
Lims ID:	CCVL				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

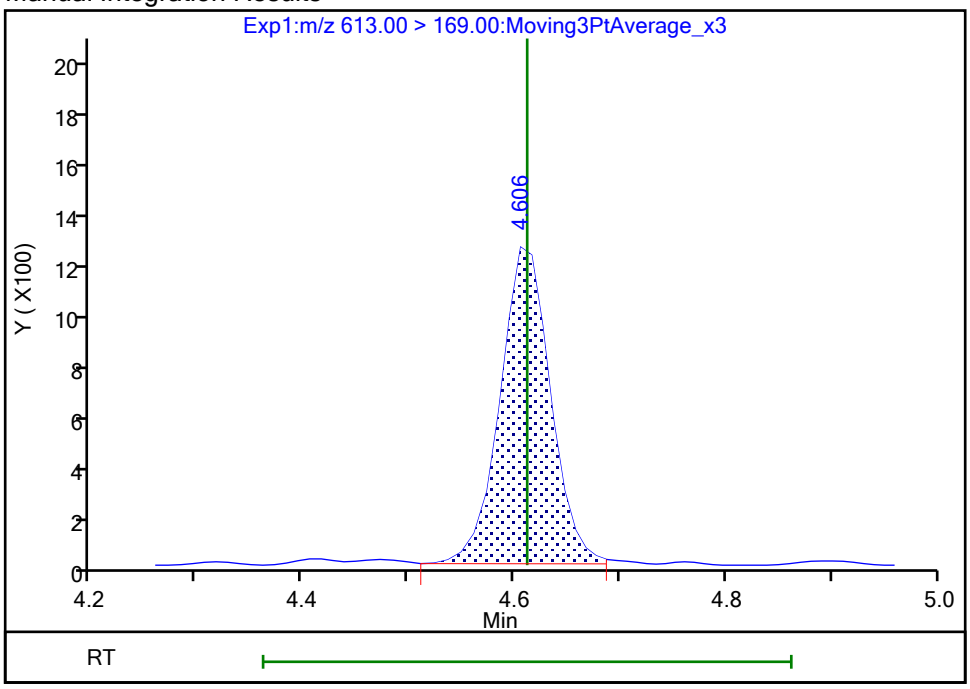
Processing Integration Results

RT: 4.61
Area: 3959
Amount: 0.046895
Amount Units: ng/ml



Manual Integration Results

RT: 4.61
Area: 4002
Amount: 0.047220
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 08:59:49
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

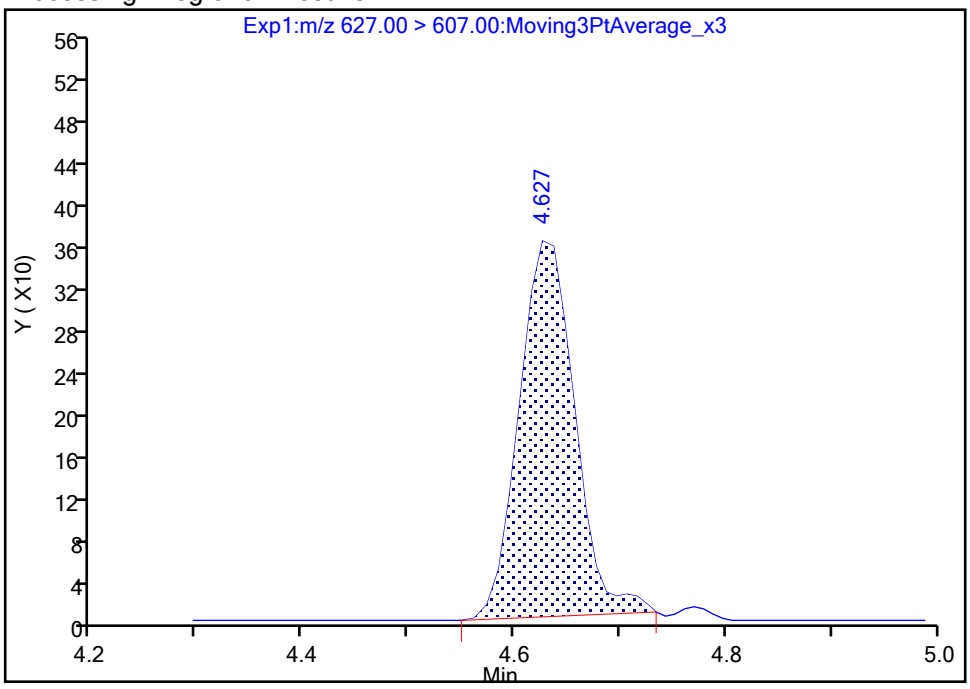
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A05.d				
Injection Date:	03-Mar-2021 16:04:16	Instrument ID:	LC812		
Lims ID:	CCVL				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

74 1H,1H,2H,2H-perfluorododecanesul, CAS: 120226-60-0

Signal: 1

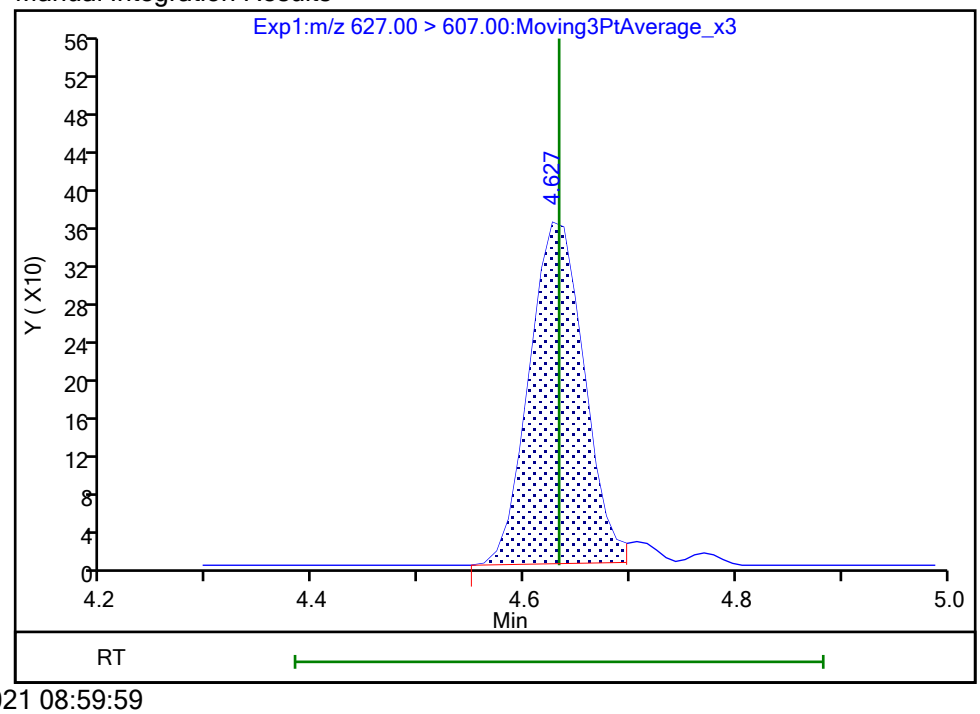
Processing Integration Results

RT: 4.63
Area: 1307
Amount: 0.038813
Amount Units: ng/ml



Manual Integration Results

RT: 4.63
Area: 1293
Amount: 0.038397
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 08:59:59

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

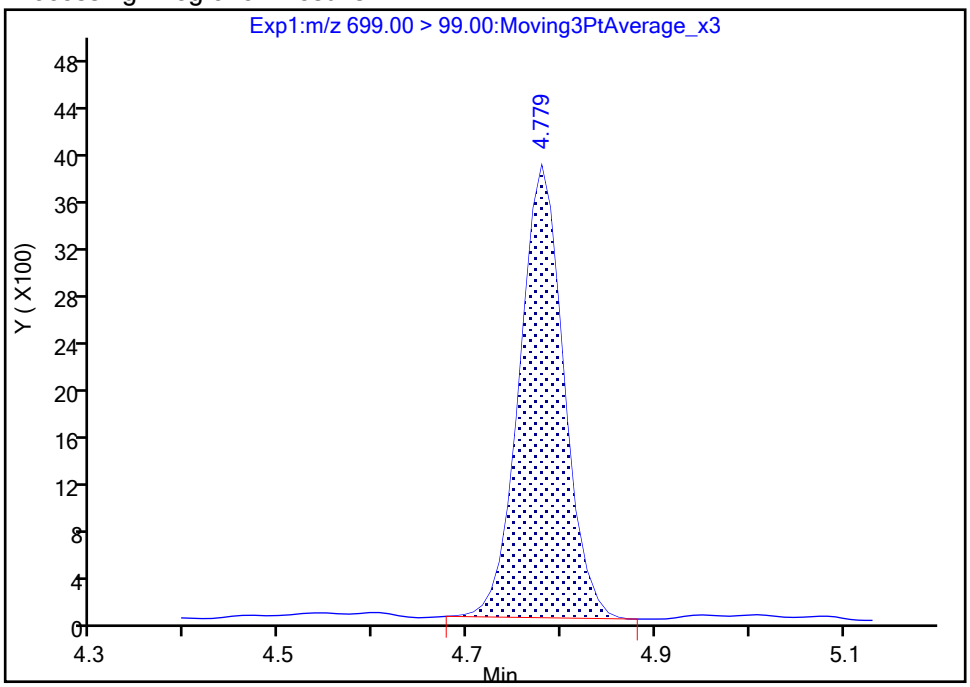
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A05.d				
Injection Date:	03-Mar-2021 16:04:16	Instrument ID:	LC812		
Lims ID:	CCVL				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

75 Perfluorododecanesulfonic acid (, CAS: 79780-39-5

Signal: 2

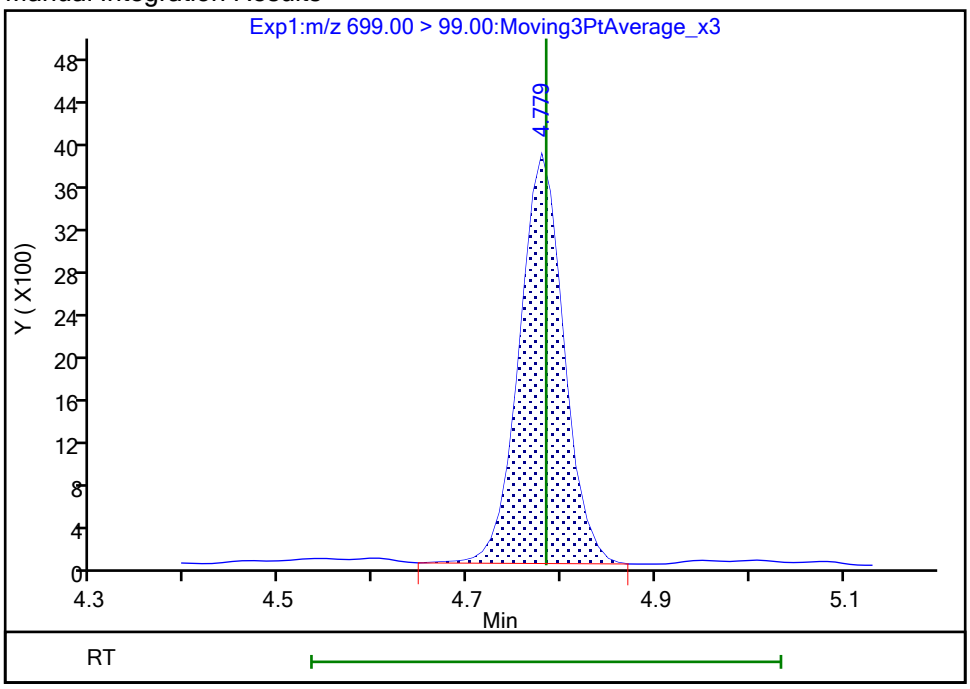
Processing Integration Results

RT: 4.78
Area: 12449
Amount: 0.046542
Amount Units: ng/ml



Manual Integration Results

RT: 4.78
Area: 12538
Amount: 0.046542
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 09:00:13

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

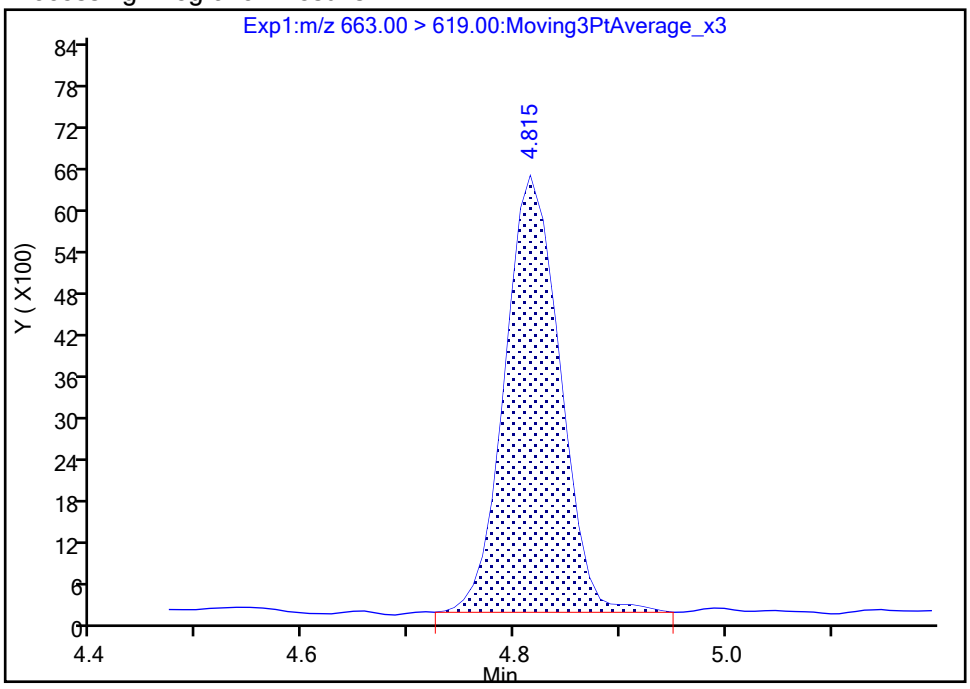
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A05.d				
Injection Date:	03-Mar-2021 16:04:16	Instrument ID:	LC812		
Lims ID:	CCVL				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

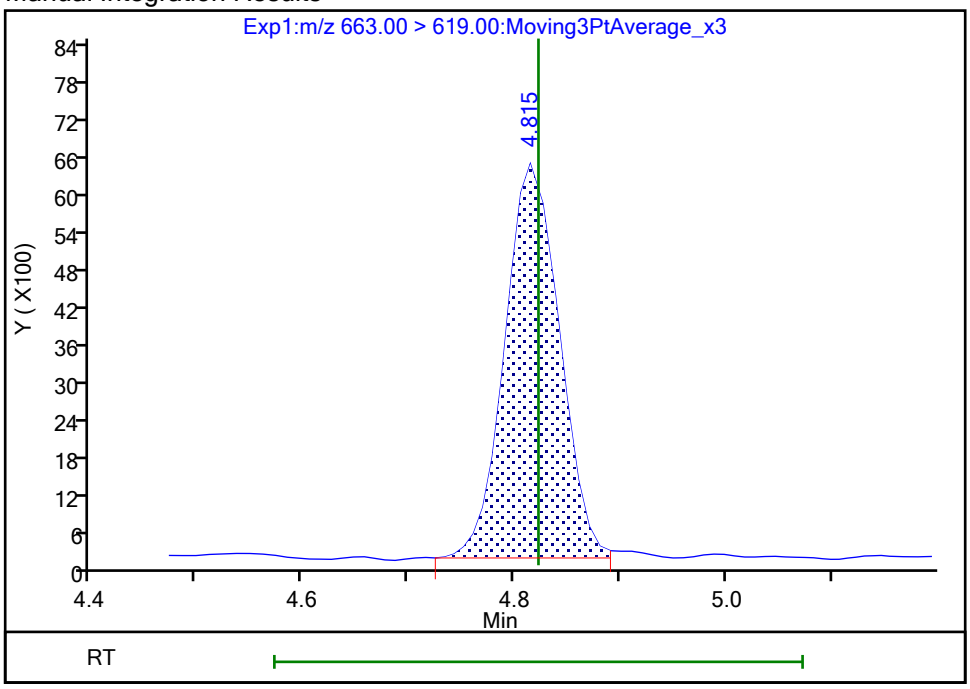
Processing Integration Results

RT: 4.81
Area: 22740
Amount: 0.051410
Amount Units: ng/ml



Manual Integration Results

RT: 4.81
Area: 22490
Amount: 0.050844
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 09:00:26

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

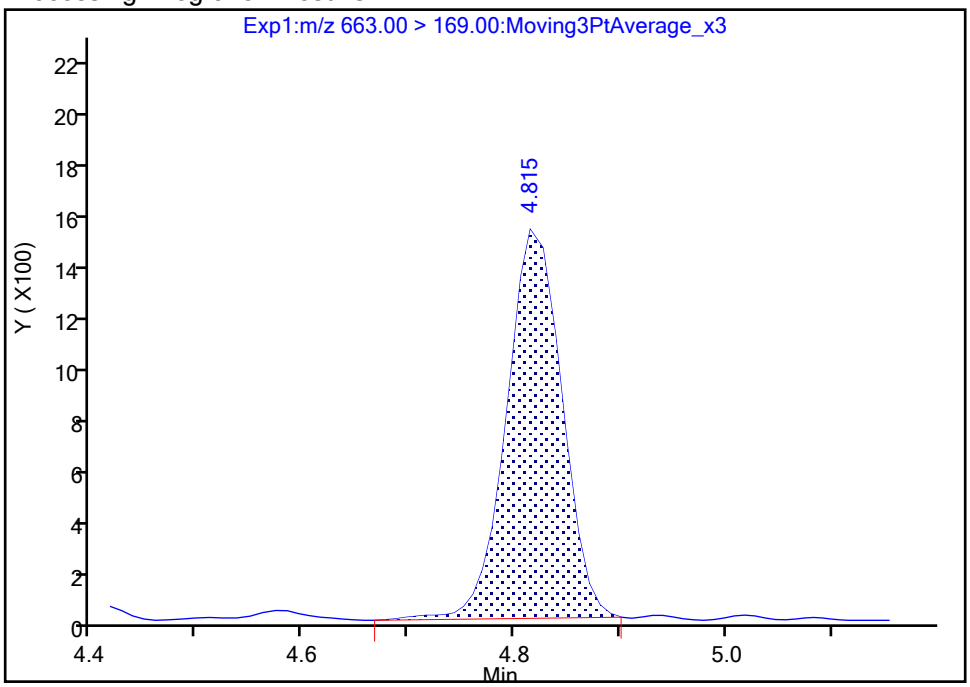
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A05.d				
Injection Date:	03-Mar-2021 16:04:16	Instrument ID:	LC812		
Lims ID:	CCVL				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

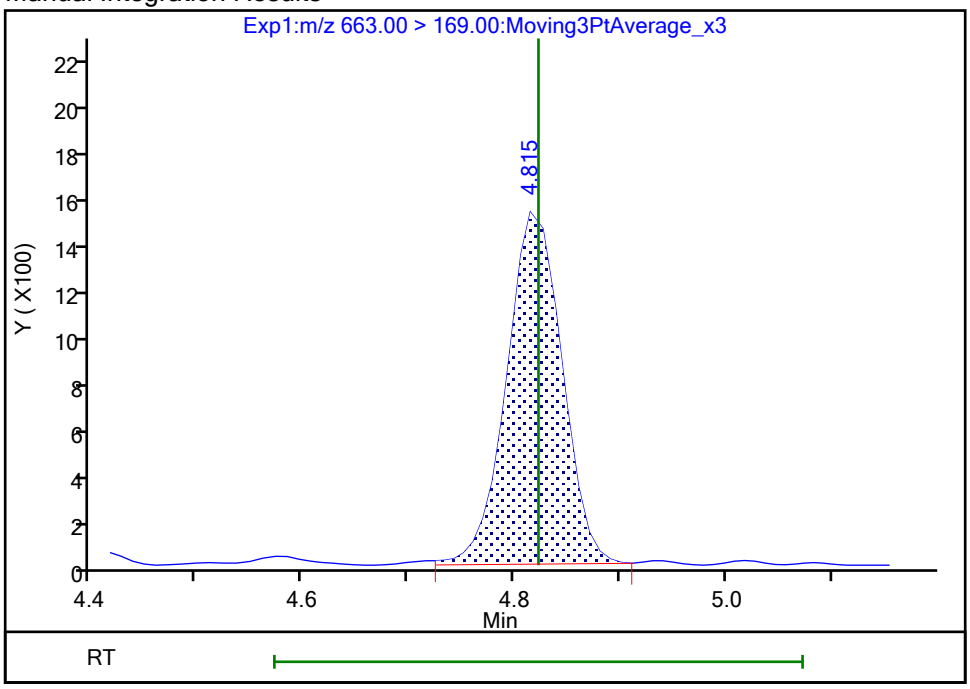
Processing Integration Results

RT: 4.81
Area: 5475
Amount: 0.051410
Amount Units: ng/ml



Manual Integration Results

RT: 4.81
Area: 5480
Amount: 0.050844
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 09:00:45
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

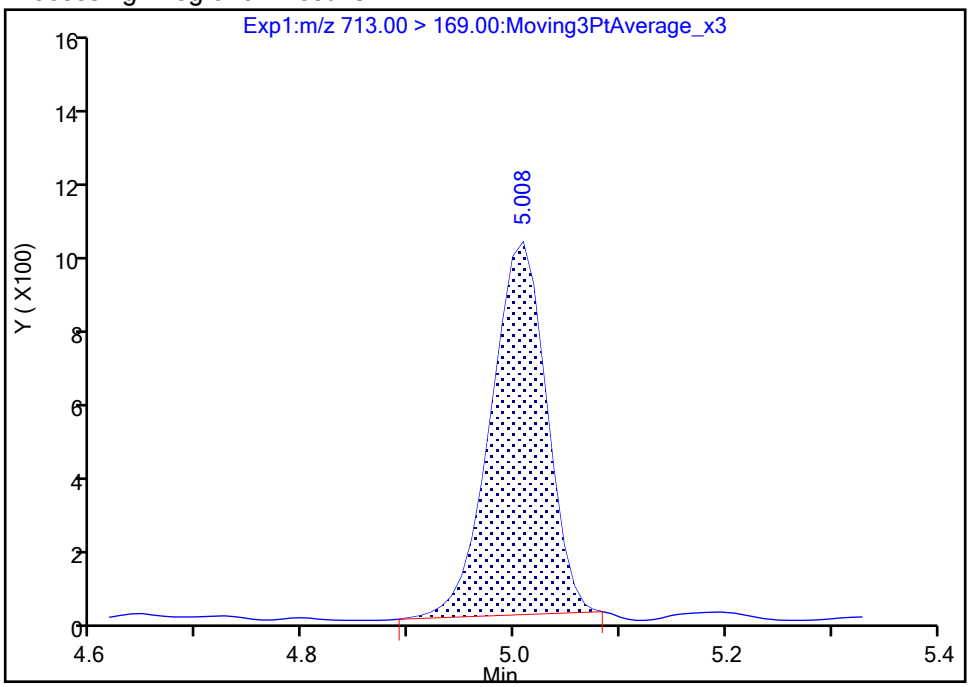
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A05.d				
Injection Date:	03-Mar-2021 16:04:16	Instrument ID:	LC812		
Lims ID:	CCVL				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

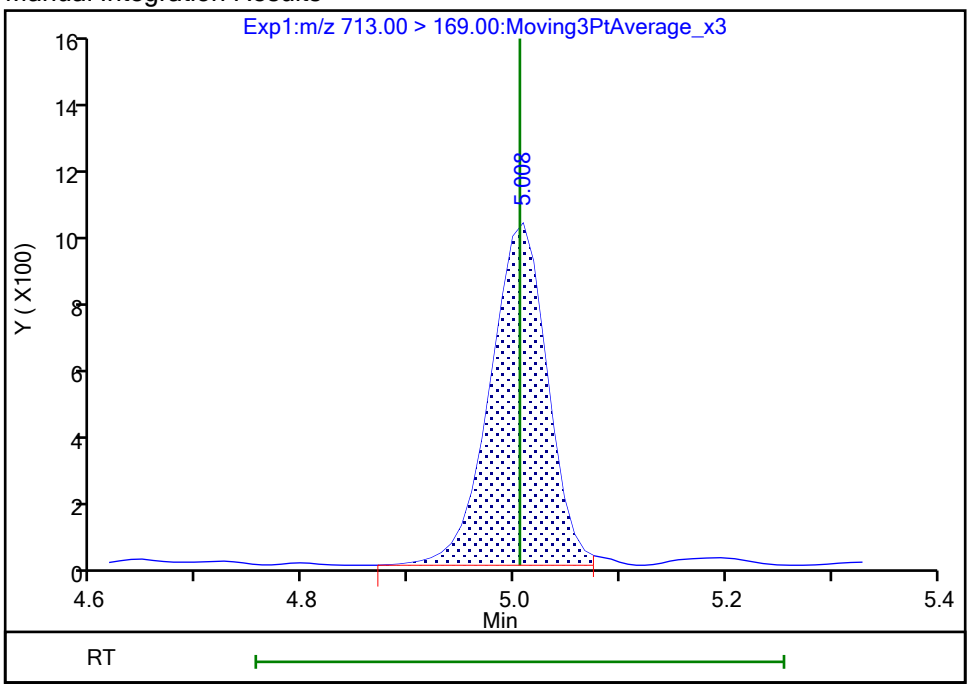
Processing Integration Results

RT: 5.01
Area: 3600
Amount: 0.055157
Amount Units: ng/ml



Manual Integration Results

RT: 5.01
Area: 3738
Amount: 0.057272
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 09:01:03

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

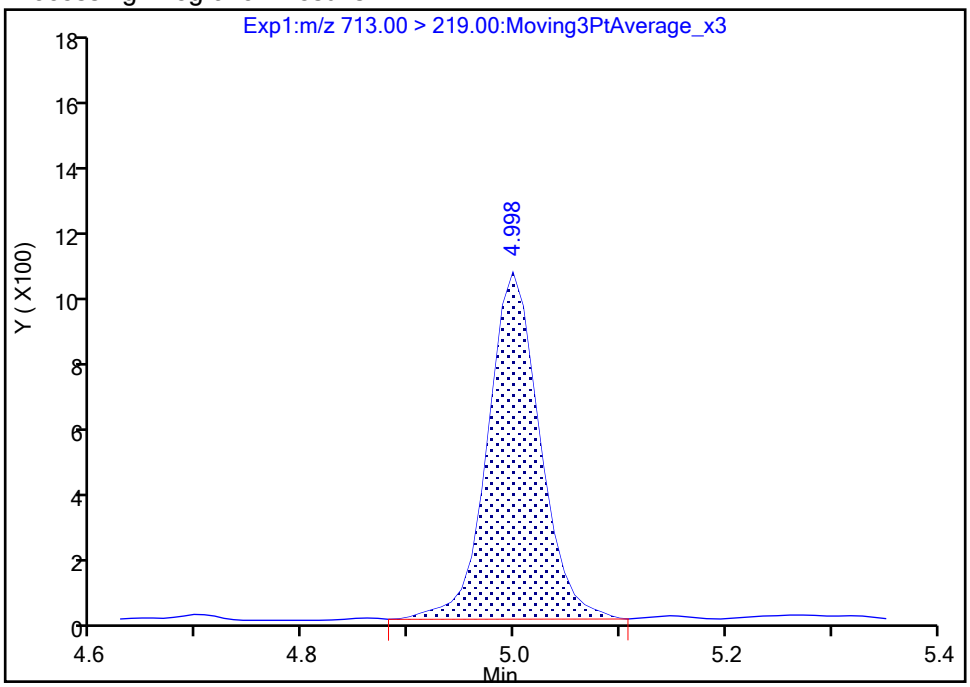
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A05.d				
Injection Date:	03-Mar-2021 16:04:16	Instrument ID:	LC812		
Lims ID:	CCVL				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

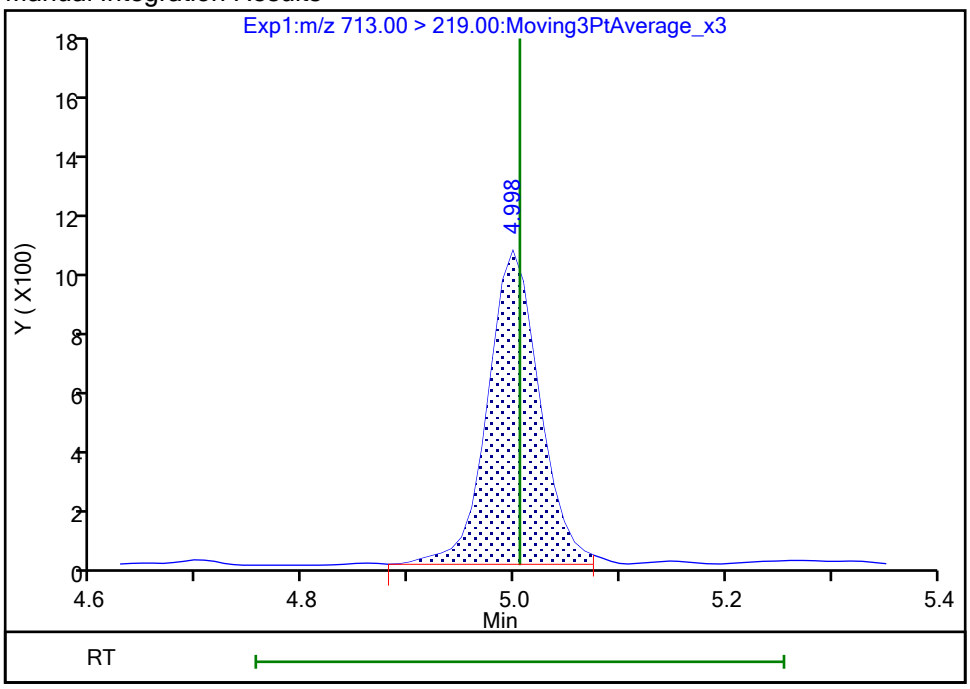
Processing Integration Results

RT: 5.00
Area: 3617
Amount: 0.055157
Amount Units: ng/ml



Manual Integration Results

RT: 5.00
Area: 3599
Amount: 0.057272
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 09:01:21

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

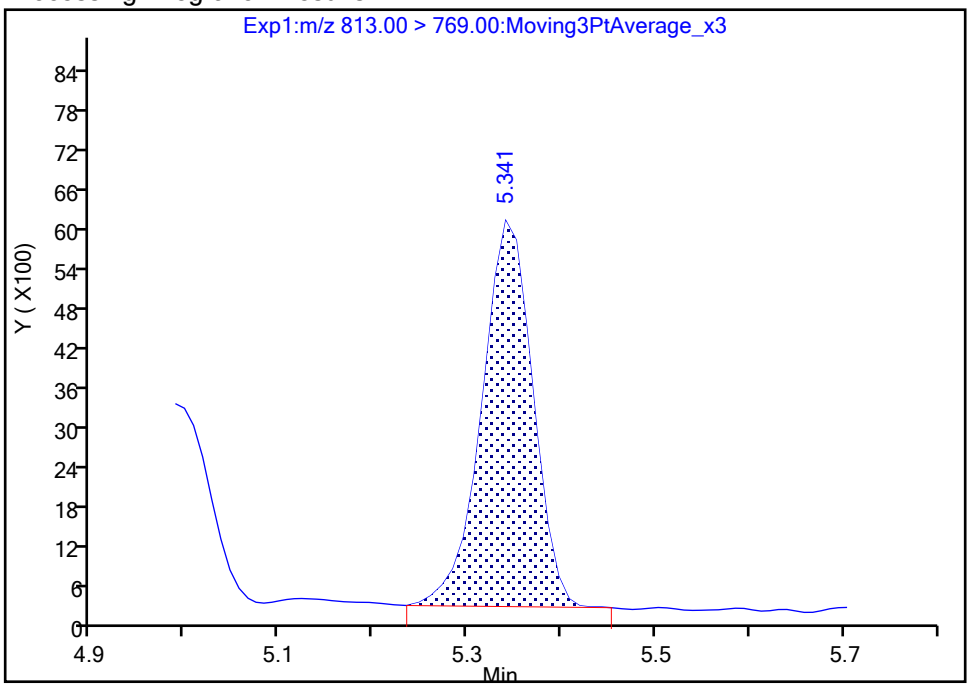
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A05.d				
Injection Date:	03-Mar-2021 16:04:16	Instrument ID:	LC812		
Lims ID:	CCVL				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 1

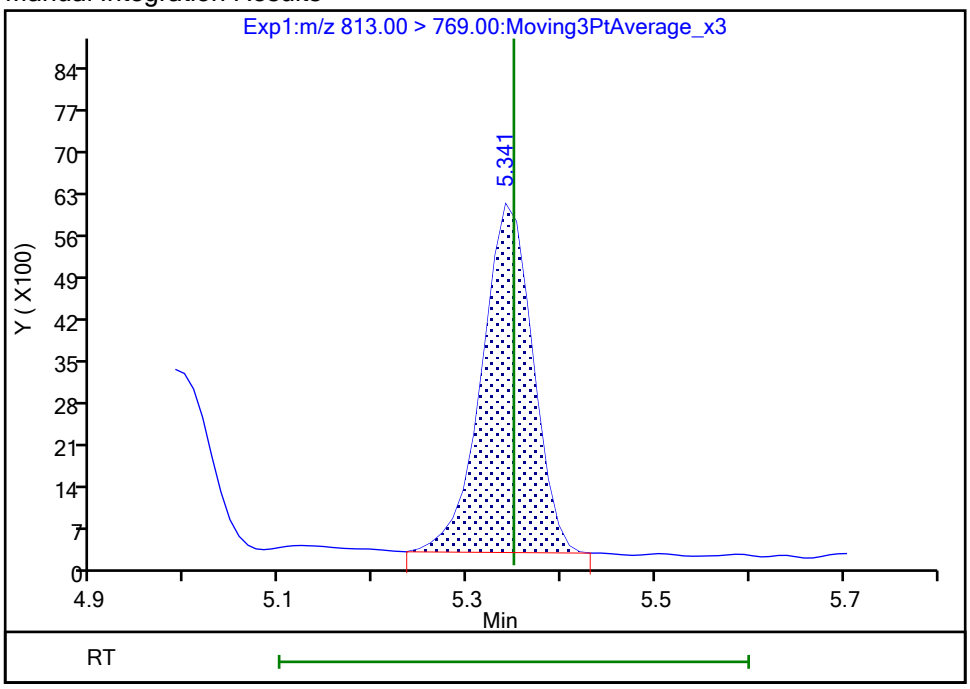
Processing Integration Results

RT: 5.34
Area: 22019
Amount: 0.051400
Amount Units: ng/ml



Manual Integration Results

RT: 5.34
Area: 21965
Amount: 0.051236
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 09:01:48

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

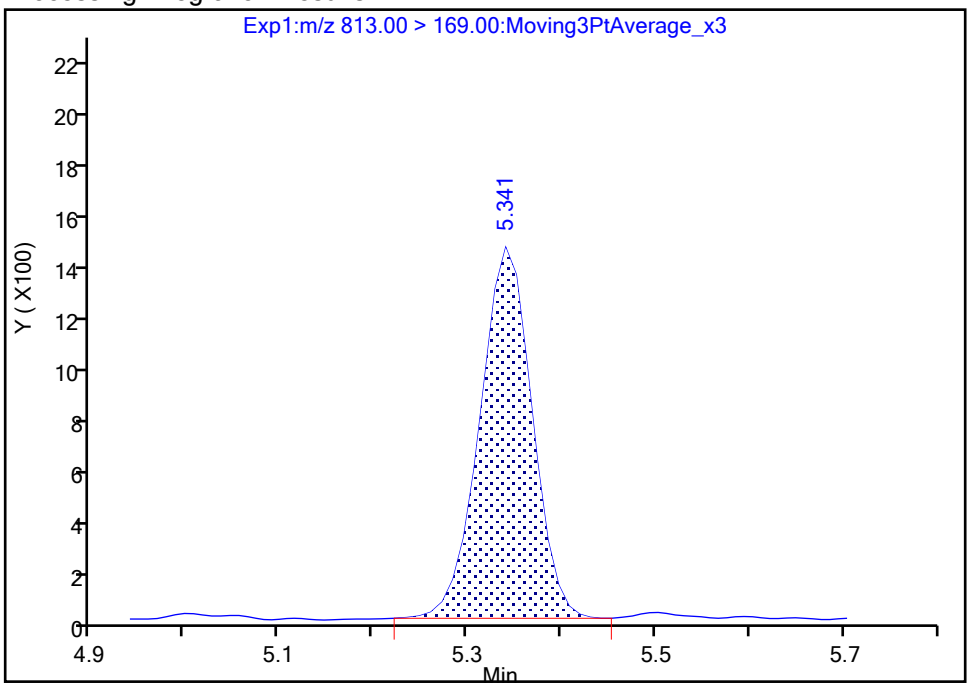
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A05.d				
Injection Date:	03-Mar-2021 16:04:16	Instrument ID:	LC812		
Lims ID:	CCVL				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

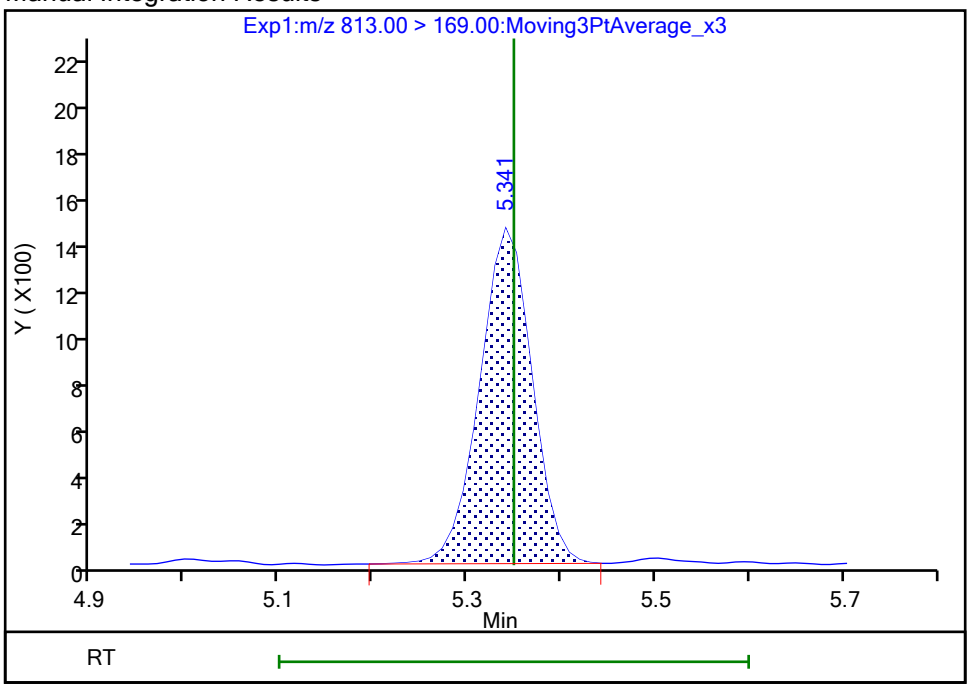
Processing Integration Results

RT: 5.34
Area: 5646
Amount: 0.051400
Amount Units: ng/ml



Manual Integration Results

RT: 5.34
Area: 5666
Amount: 0.051236
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 09:01:59

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

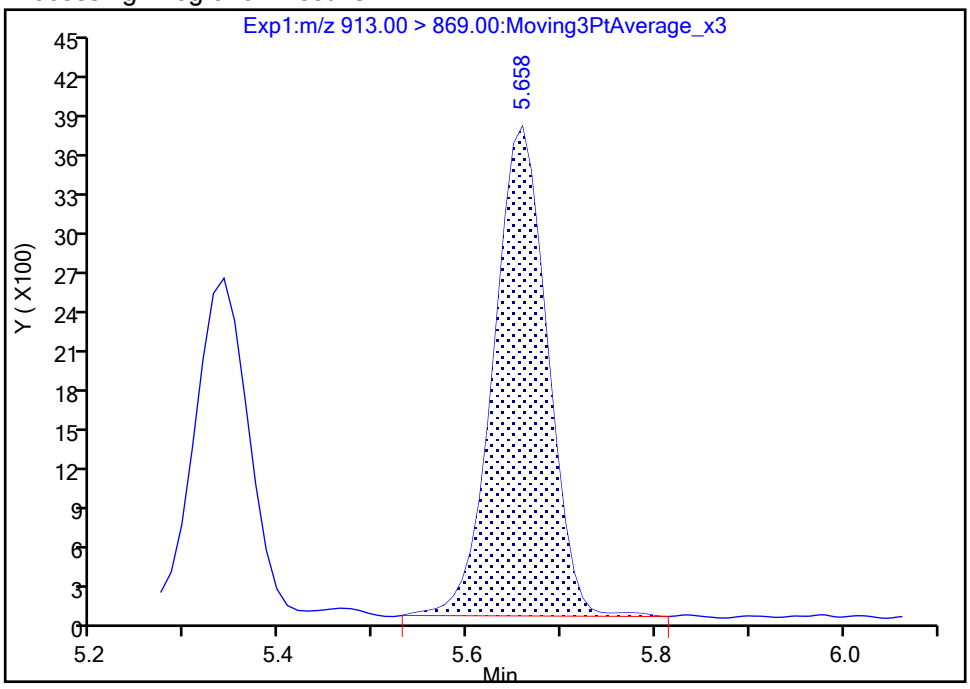
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A05.d				
Injection Date:	03-Mar-2021 16:04:16	Instrument ID:	LC812		
Lims ID:	CCVL				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

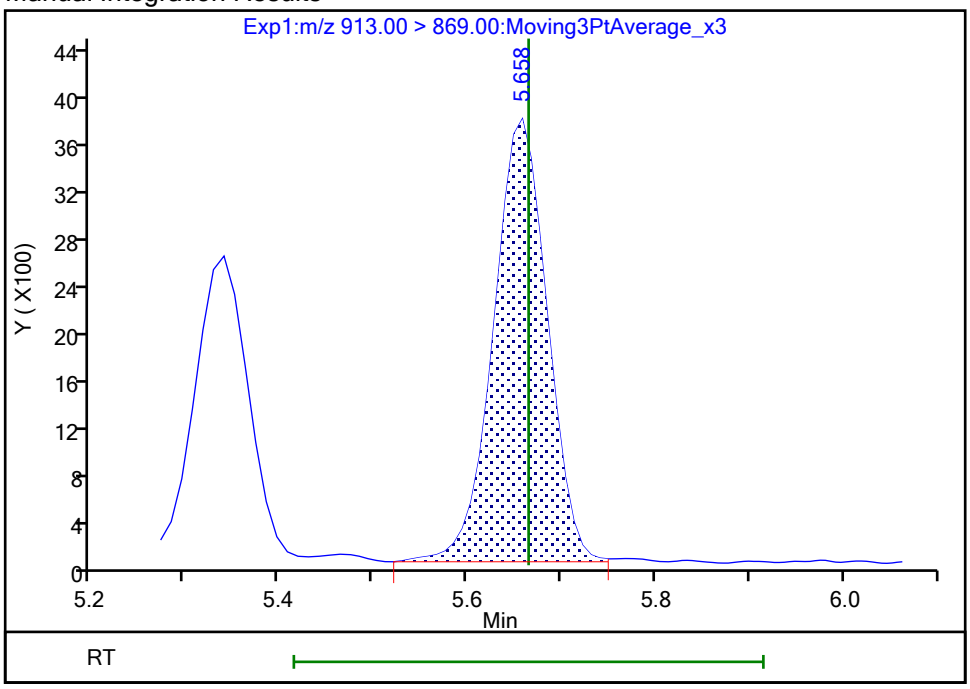
Processing Integration Results

RT: 5.66
Area: 14662
Amount: 0.045936
Amount Units: ng/ml



Manual Integration Results

RT: 5.66
Area: 14664
Amount: 0.045942
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 09:02:36

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

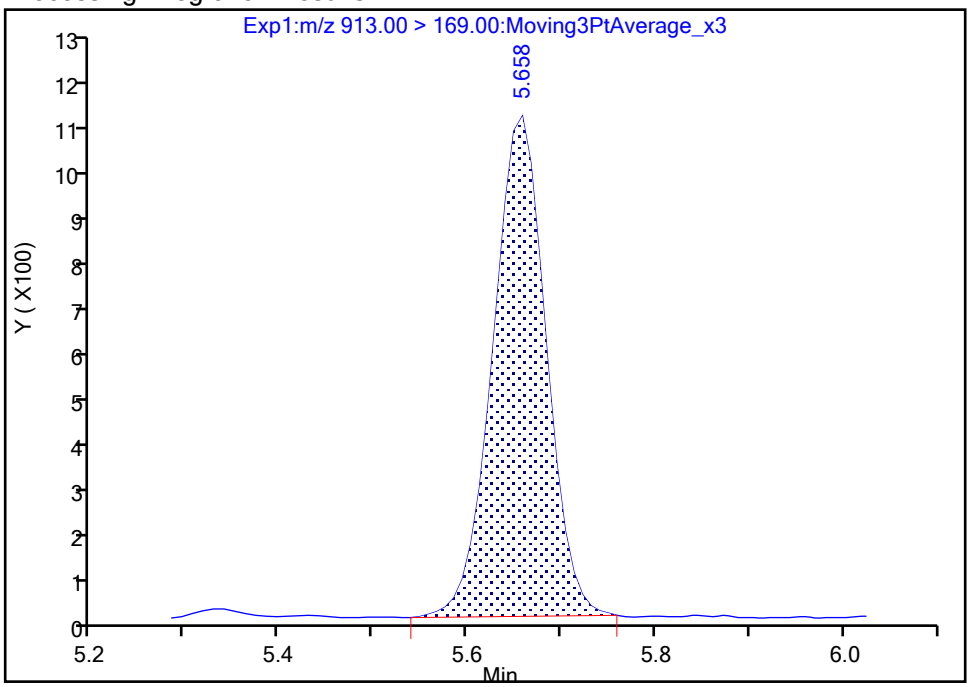
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A05.d				
Injection Date:	03-Mar-2021 16:04:16	Instrument ID:	LC812		
Lims ID:	CCVL				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

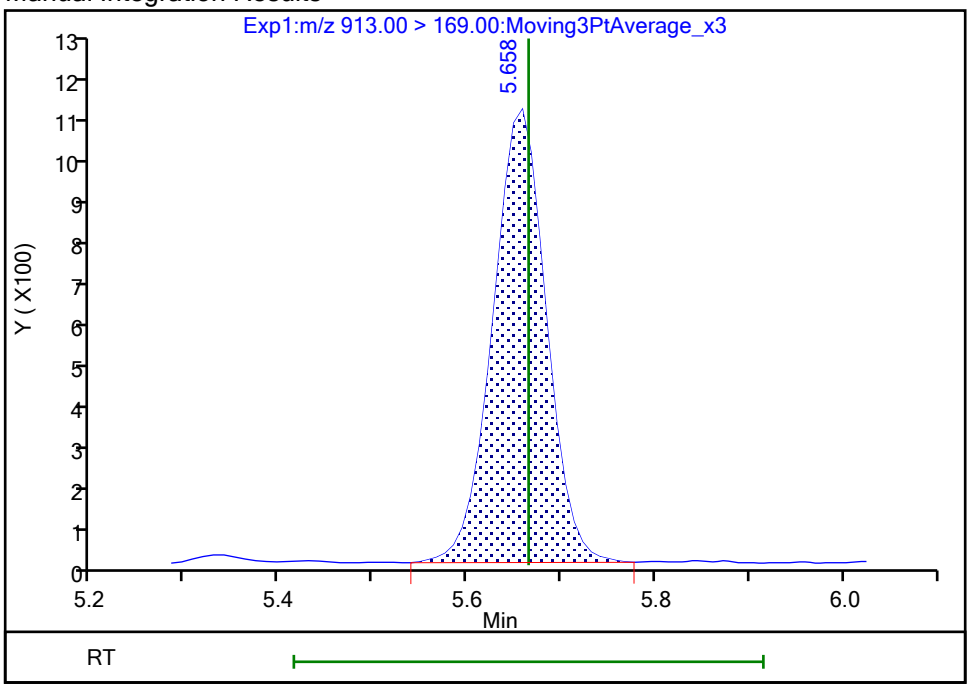
Processing Integration Results

RT: 5.66
Area: 4340
Amount: 0.045936
Amount Units: ng/ml



Manual Integration Results

RT: 5.66
Area: 4369
Amount: 0.045942
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 09:02:47
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM VII
LCMS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Lab Sample ID: CCVIS 200-164489/6 Calibration Date: 03/03/2021 16:12

Instrument ID: LC812 Calib Start Date: 12/22/2020 12:48

GC Column: C-18 ID: 4.60(mm) Calib End Date: 12/22/2020 13:29

Lab File ID: PA210303A06.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorobutanoic acid (PFBA)	AveID	1.002	0.9575		0.956	1.00	-4.4	40.0
Perfluoropentanoic acid (PFPeA)	AveID	1.107	1.077		0.973	1.00	-2.7	40.0
Perfluorobutanesulfonic acid (PFBS)	AveID	1.131	1.133		0.885	0.884	0.1	40.0
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	AveID	1.834	1.898		0.967	0.934	3.5	50.0
Perfluorohexanoic acid (PFHxA)	AveID	1.092	1.111		1.02	1.00	1.7	40.0
Perfluoropentanesulfonic acid	AveID	1.312	1.308		0.935	0.938	-0.3	50.0
HFPO-DA	AveID	1.385	1.658		1.20	1.00	19.7	40.0
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.178	1.191		0.920	0.910	1.1	40.0
Perfluoroheptanoic acid (PFHpA)	AveID	1.092	1.130		1.03	1.00	3.4	40.0
DONA	AveID	3.349	3.462		0.974	0.942	3.4	50.0
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	AveID	1.112	1.001		0.853	0.948	-10.0	40.0
Perfluoroheptanesulfonic Acid (PFHpS)	AveID	1.350	1.378		0.971	0.952	2.0	50.0
Perfluorooctanoic acid (PFOA)	AveID	1.084	1.151		1.06	1.00	6.2	40.0
Perfluorooctanesulfonic acid (PFOS)	AveID	1.150	1.173		0.947	0.928	2.0	40.0
Perfluorononanoic acid (PFNA)	AveID	1.107	1.060		0.958	1.00	-4.2	40.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	AveID	1.283	1.109		0.806	0.932	-13.5	50.0
Perfluorononanesulfonic acid	AveID	0.8581	0.8875		0.993	0.960	3.4	50.0
Perfluorodecanoic acid (PFDA)	AveID	1.031	1.097		1.06	1.00	6.4	40.0
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	AveID	0.6801	0.5979		0.842	0.958	-12.1	40.0
Perfluorooctanesulfonamide (PFOSA)	AveID	1.002	1.060		1.06	1.00	5.7	40.0
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	0.8864	0.8324		0.939	1.00	-6.1	40.0
Perfluorodecanesulfonic acid (PFDS)	AveID	0.6841	0.7023		0.990	0.964	2.7	50.0
Perfluoroundecanoic acid (PFUnA)	AveID	1.020	1.069		1.05	1.00	4.9	40.0
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.9257	0.9078		0.981	1.00	-1.9	40.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	AveID	1.331	1.052		0.744	0.942	-21.0	50.0
Perfluorododecanoic acid (PFDoA)	AveID	1.100	1.026		0.933	1.00	-6.7	40.0
10:2 FTS	AveID	0.3501	0.2972		0.818	0.964	-15.1	50.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.2517	0.2659		1.02	0.968	5.6	50.0
Perfluorotridecanoic acid (PFTriA)	AveID	0.8926	0.8947		1.00	1.00	0.2	50.0

FORM VII
LCMS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Lab Sample ID: CCVIS 200-164489/6 Calibration Date: 03/03/2021 16:12

Instrument ID: LC812 Calib Start Date: 12/22/2020 12:48

GC Column: C-18 ID: 4.60(mm) Calib End Date: 12/22/2020 13:29

Lab File ID: PA210303A06.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorotetradecanoic acid (PFTeA)	AveID	0.1855	0.2196		1.18	1.00	18.4	40.0
Perfluoro-n-hexadecanoic acid (PFHxDA)	L1ID		1.040		1.10	1.00	10.2	40.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	0.8998	0.8947		0.994	1.00	-0.6	50.0
13C4 PFBA	Ave	1.343	1.302		1.21	1.25	-3.1	50.0
13C5 PFPeA	Ave	0.9710	0.9558		1.23	1.25	-1.6	50.0
13C3 PFBS	Ave	1.278	1.169		1.06	1.16	-8.5	50.0
M2-4:2 FTS	Ave	0.1066	0.0929		1.02	1.17	-12.9	50.0
13C2 PFHxA	Ave	1.018	0.9481		1.16	1.25	-6.8	50.0
13C3 HFPO-DA	Ave	0.1792	0.1035		0.722	1.25	-42.3	50.0
18O2 PFHxS	Ave	0.9511	0.8967		1.11	1.18	-5.7	50.0
13C4 PFHpA	Ave	0.9742	0.9336		1.20	1.25	-4.2	50.0
M2-6:2 FTS	Ave	0.1187	0.1088		1.09	1.19	-8.4	50.0
13C4 PFOA	Ave	0.9896	0.8862		1.12	1.25	-10.5	50.0
13C4 PFOS	Ave	0.6528	0.6124		1.12	1.20	-6.2	50.0
13C5 PFNA	Ave	0.8730	0.8122		1.16	1.25	-7.0	50.0
13C2 PFDA	Ave	0.8346	0.7247		1.09	1.25	-13.2	50.0
M2-8:2 FTS	Ave	0.1225	0.1116		1.09	1.20	-8.9	50.0
13C8 FOSA	Ave	1.227	1.141		1.16	1.25	-7.0	50.0
d3-NMeFOSAA	Ave	0.0605	0.0510		1.05	1.25	-15.8	50.0
13C2 PFUnA	Ave	0.6856	0.5346		0.975	1.25	-22.0	50.0
d5-NEtFOSAA	Ave	0.0585	0.0490		1.05	1.25	-16.2	50.0
13C2 PFDoA	Ave	0.7238	0.5919		1.02	1.25	-18.2	50.0
13C2 PFTeDA	Ave	0.5353	0.3936		0.919	1.25	-26.5	50.0
13C2 PFHxDA	Ave	0.5718	0.3954		0.864	1.25	-30.8	50.0

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A06.d
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 03-Mar-2021 16:12:33 ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 200-0045031-006 Plate: 1 Rack: 1
Operator ID: lc812tech Instrument ID: LC812
Sublist: chrom-PFC_LC812*sub3

Method: \\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 04-Mar-2021 11:29:58 Calib Date: 22-Dec-2020 13:29:37
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1647

First Level Reviewer: deannd Date: 03-Mar-2021 17:14:26
Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.091	2.091	0.0	0.599	1396294	1.21		96.9	10936	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.091	2.091	0.0	1.000	1069515	0.9555		95.6	280	M
D 3 13C5 PFPeA										M
267.90 > 223.00	2.413	2.413	0.0	0.691	1025125	1.23		98.4	3641	M
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.413	2.413	0.0	1.000	883511	0.9729		97.3	58.2	M
D 47 13C3 PFBS										M
301.90 > 80.00	2.439	2.439	0.0	0.699	1165624	1.06		91.5	215068	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.439	2.439	0.0	1.000	1003857	0.8850	Target=2.21	100	1082	M
298.90 > 99.00	2.439	2.439	0.0	1.000	466288		2.15(1.11-3.32)		380	
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.734	2.734	0.0	0.783	93046	1.02		87.1	129	M
61 1H,1H,2H,2H-perfluorohexanesulfo										M
327.00 > 307.00	2.734	2.734	0.0	1.000	141277	0.9667		104	2127	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.770	2.770	0.0	0.793	1016904	1.16		93.2	2735	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.770	2.770	0.0	1.000	904100	1.02	Target=12.83	102	212	M
313.00 > 119.00	2.770	2.770	0.0	1.000	75764		11.93(6.42-19.25)		141	
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.783	2.783	0.0	0.888	944111	0.9351	Target=3.35	99.7	1982	M
349.00 > 99.00	2.783	2.783	0.0	0.888	273957		3.45(1.67-5.02)		597	
D 64 13C3 HFPO-DA										M
332.10 > 287.00	2.880	2.880	0.0	0.825	110976	0.7218		57.7	693	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
67 Perfluoro(2-propoxypropanoic) ac										
329.10 > 285.00	2.880	2.880	0.0	1.000	147187	1.20		120	32.4	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.132	3.132	0.0	1.000	833840	0.9196	Target=4.15	101	1425	
399.00 > 99.00	3.132	3.132	0.0	1.000	196089		4.25(2.08-6.23)		214	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.132	3.132	0.0	0.897	909802	1.11		94.3	2132	
D 9 13C4 PFHpA										
367.00 > 322.00	3.143	3.143	0.0	0.900	1001275	1.20		95.8	2519	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.143	3.143	0.0	1.000	904976	1.03	Target=3.66	103	328	M
363.00 > 169.00	3.143	3.143	0.0	1.000	251171		3.60(1.83-5.49)		563	M
77 DONA										M
377.00 > 251.00	3.175	3.175	0.0	0.835	1713512	0.9738	Target=2.43	103	2307	M
377.00 > 85.00	3.175	3.175	0.0	0.835	719526		2.38(1.22-3.65)		1018	
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.483	3.483	0.0	0.916	689258	0.9715	Target=5.95	102	1542	M
449.00 > 99.00	3.483	3.483	0.0	0.916	108613		6.35(2.98-8.93)		417	M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.483	3.483	0.0	0.997	110844	1.09		91.6	593	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.483	3.483	0.0	1.000	88584	0.8532		90.0	640	M
D 14 13C4 PFOA										
417.00 > 372.00	3.492	3.492	0.0	1.000	950428	1.12		89.5	2979	
* 62 13C2 PFOA										M
415.00 > 370.00	3.492	3.492	0.0		1072526	1.25			2145	M
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.492	3.492	0.0	1.000	875112	1.06	Target=2.58	106	258	M
413.00 > 169.00	3.492	3.492	0.0	1.000	348424		2.51(1.29-3.87)		771	M
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.804	3.804	0.0	1.000	572045	0.9465	Target=5.65	102	424	M
499.00 > 99.00	3.804	3.804	0.0	1.000	98221		5.82(2.82-8.47)		369	M
D 18 13C4 PFOS										
503.00 > 80.00	3.804	3.804	0.0	1.089	627946	1.12		93.8	2707	
D 19 13C5 PFNA										
468.00 > 423.00	3.825	3.825	0.0	1.095	871129	1.16		93.0	2671	
20 Perfluorononanoic acid										M
463.00 > 419.00	3.825	3.825	0.0	1.000	738819	0.9578	Target=7.44	95.8	164	M
463.00 > 169.00	3.825	3.825	0.0	1.000	114340		6.46(3.72-11.16)		1293	M
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.964	3.964	0.0	1.042	543350	0.8058		86.5	2167	M
68 Perfluorononanesulfonic acid										M
549.00 > 80.00	4.093	4.093	0.0	1.076	447724	0.99	Target=2.54	103	1731	
549.00 > 99.00	4.093	4.093	0.0	1.076	150262		2.98(1.27-3.81)		524	M
D 23 13C2 PFDA										
515.00 > 470.00	4.126	4.126	0.0	1.182	777270	1.09		86.8	3594	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.126	4.126	0.0	1.000	681944	1.06	Target=9.29	106	623	
513.00 > 169.00	4.126	4.126	0.0	1.000	79147		8.62(4.64-13.93)		546	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.137	4.137	0.0	1.185	114660	1.09		91.1	793	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.137	4.137	0.0	1.000	54840	0.8421		87.9	960	
D 21 13C8 FOSA										
506.00 > 78.00	4.225	4.225	0.0	1.210	1223492	1.16		93.0	3395	
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.225	4.225	0.0	1.000	1037094	1.06		106	2366	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.268	4.268	0.0	1.222	54670	1.05		84.2	205	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.268	4.268	0.0	1.000	36404	0.9391		93.9	221	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.358	4.358	0.0	1.146	355741	0.9896	Target=2.80	103	1631	M
599.00 > 99.00	4.358	4.358	0.0	1.146	130596		2.72(1.40-4.19)		1072	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.391	4.391	0.0	1.257	573402	0.9748		78.0	3760	
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.391	4.391	0.0	1.000	490538	1.05	Target=8.12	105	372	
563.00 > 169.00	4.391	4.391	0.0	1.000	64785		7.57(4.06-12.18)		848	
D 32 d5-NEtFOSAA										M
589.00 > 419.00	4.402	4.402	0.0	1.261	52606	1.05		83.8	628	M
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.402	4.402	0.0	1.000	38205	0.9807		98.1	402	M
66 11-Chloroeicosafluoro-3-oxaundec										
631.00 > 451.00	4.480	4.480	0.0	1.178	520522	0.7440		79.0	1950	
D 36 13C2 PFDoA										
615.00 > 570.00	4.612	4.612	0.0	1.321	634807	1.02		81.8	3698	
37 Perfluorododecanoic acid										
613.00 > 569.00	4.612	4.612	0.0	1.000	520878	0.9325	Target=6.91	93.3	208	
613.00 > 169.00	4.612	4.612	0.0	1.000	90612		5.75(3.45-10.36)		1290	
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.633	4.633	0.0	1.120	27432	0.8182		84.9	967	M
75 Perfluorododecanesulfonic acid (										M
699.00 > 80.00	4.784	4.784	0.0	1.258	135235	1.02	Target=0.51	106	2030	M
699.00 > 99.00	4.784	4.784	0.0	1.258	270677		0.50(0.26-0.77)		1147	
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.823	4.823	0.0	1.046	454378	1.00	Target=4.39	100	228	M
663.00 > 169.00	4.823	4.823	0.0	1.046	114090		3.98(2.20-6.59)		1347	
D 43 13C2 PFTeDA										
715.00 > 670.00	5.005	5.005	0.0	1.433	422143	0.9191		73.5	2233	
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.005	5.005	0.0	1.000	74159	1.18	Target=1.06	118	1502	
713.00 > 219.00	5.005	5.005	0.0	1.000	69115		1.07(0.53-1.59)		1309	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 44 13C2 PFHxDA										
815.00 > 770.00	5.349	5.349	0.0	1.532	424128	0.8645		69.2	2093	
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.349	5.349	0.0	1.000	352965	1.10	Target=3.84	110	164	
813.00 > 169.00	5.349	5.349	0.0	1.000	92416		3.82(1.92-5.76)		1491	M
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.665	5.665	0.0	1.059	303586	0.99	Target=3.92	99.4	316	M
913.00 > 169.00	5.656	5.665	-0.009	1.057	87191		3.48(1.96-5.88)		1192	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

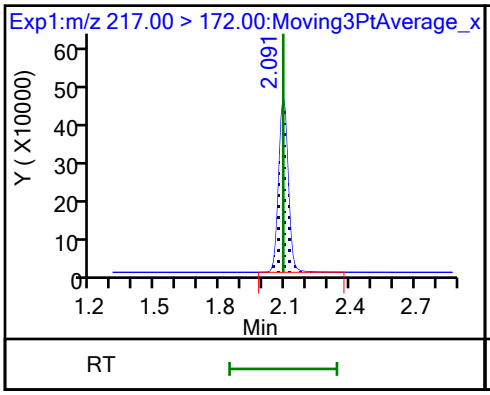
PFAS32NCIC4_00015 Amount Added: 100.00 Units: uL

Report Date: 04-Mar-2021 11:29:58 Chrom Revision: 2.3 05-Feb-2021 00:13:28

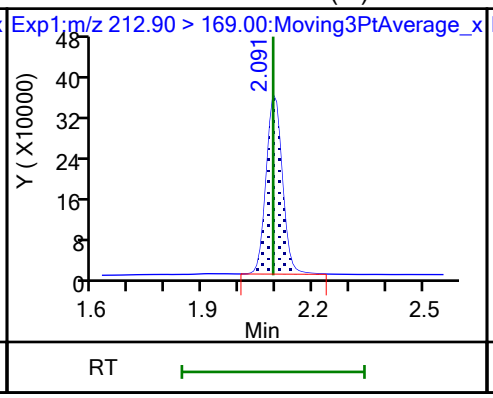
Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A06.d
Injection Date: 03-Mar-2021 16:12:33 Instrument ID: LC812
Lims ID: CCVIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL

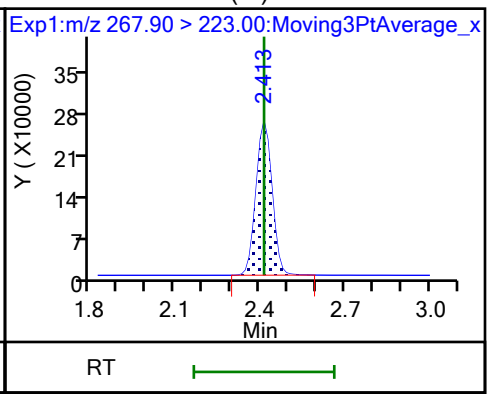
D 1 13C4 PFBA



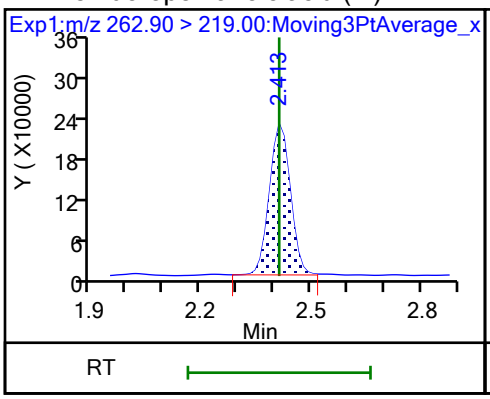
2 Perfluorobutanoic acid (M)



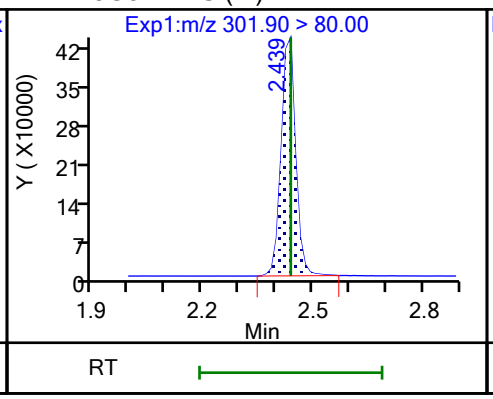
D 3 13C5 PFPeA (M)



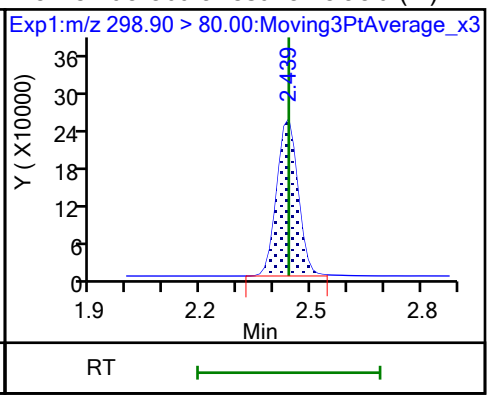
4 Perfluoropentanoic acid (M)



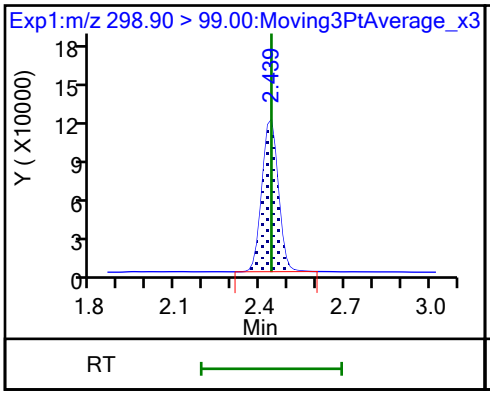
D 47 13C3 PFBS (M)



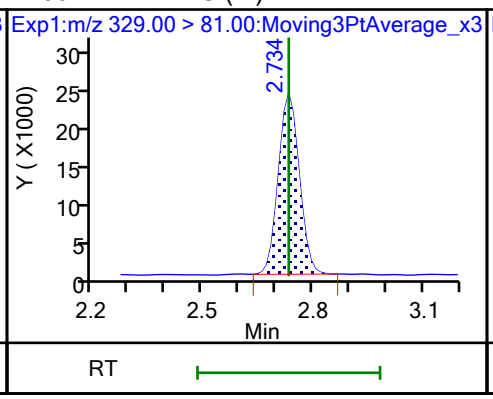
5 Perfluorobutanesulfonic acid (M)



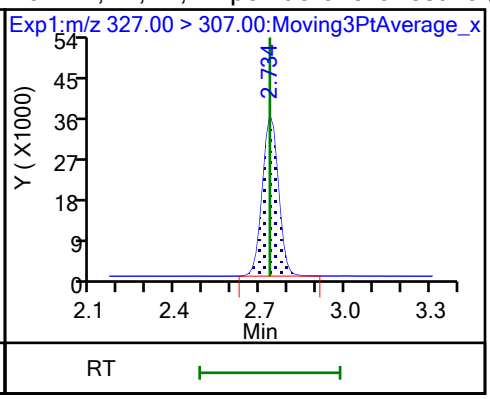
5 Perfluorobutanesulfonic acid



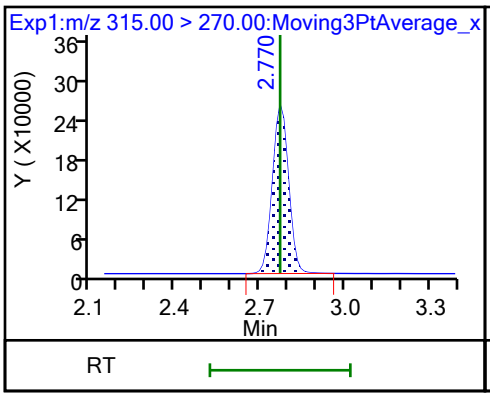
D 60 M2-4:2 FTS (M)



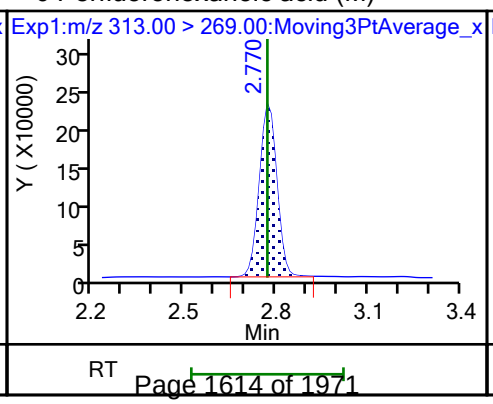
61 1H,1H,2H,2H-perfluorohexanesulfo (M)



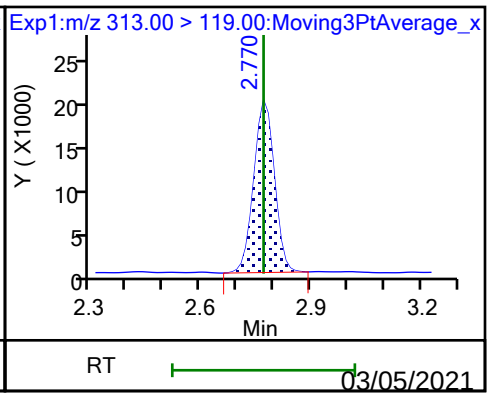
D 7 13C2 PFHxA



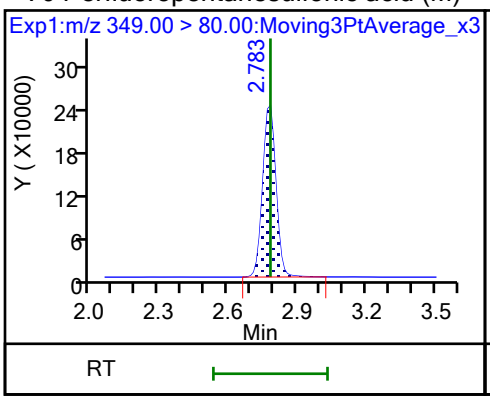
6 Perfluorohexanoic acid (M)



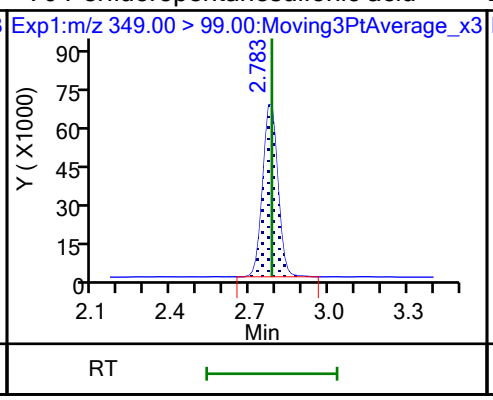
6 Perfluorohexanoic acid



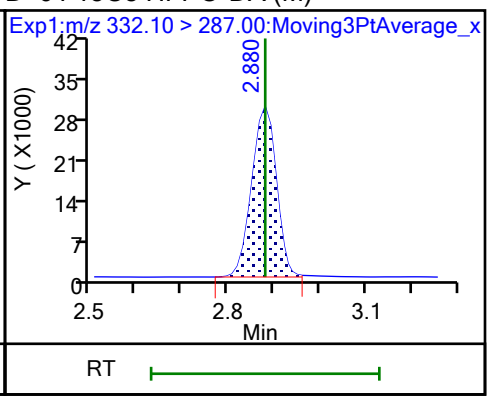
70 Perfluoropentanesulfonic acid (M)



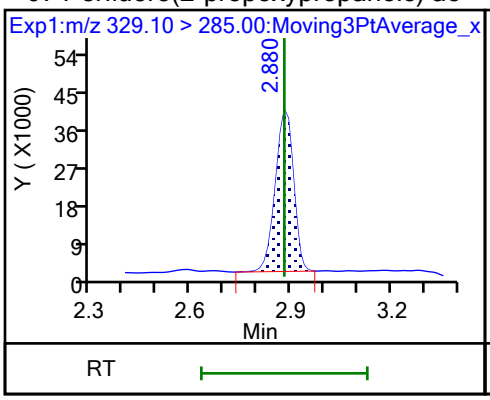
70 Perfluoropentanesulfonic acid



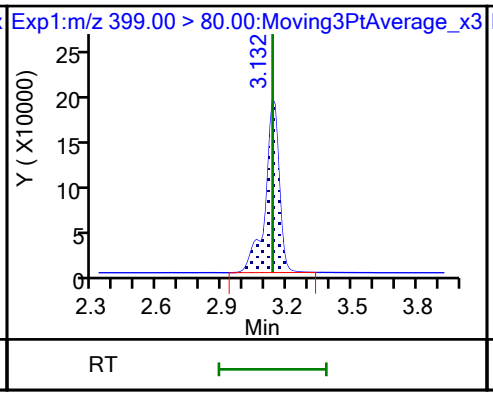
D 64 13C3 HFPO-DA (M)



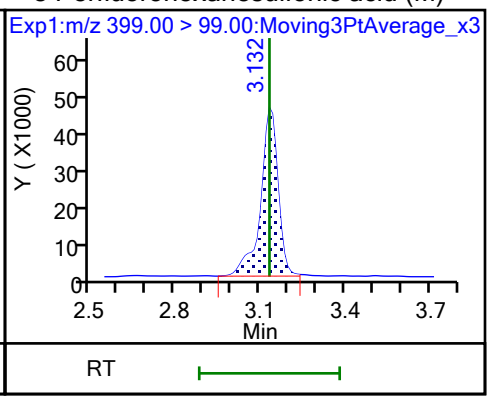
67 Perfluoro(2-propoxypropanoic) ac



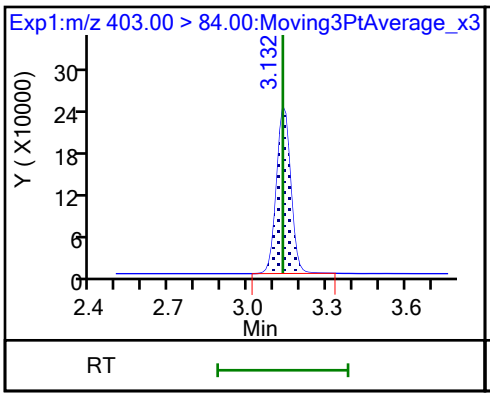
8 Perfluorohexanesulfonic acid



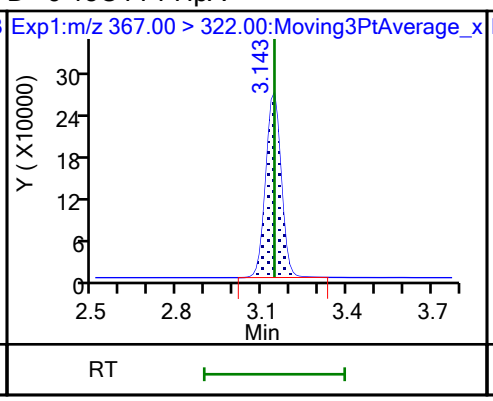
8 Perfluorohexanesulfonic acid (M)



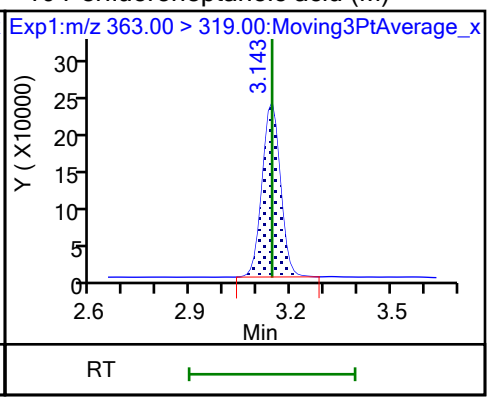
D 11 18O2 PFHxS



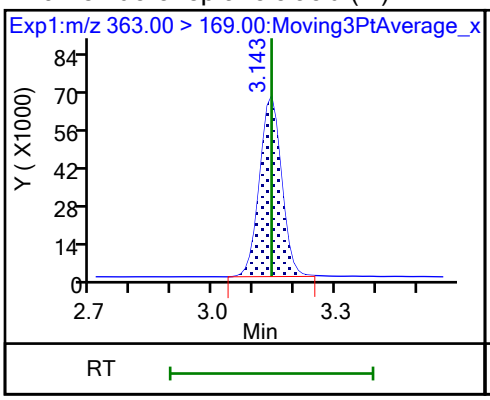
D 9 13C4 PFHpA



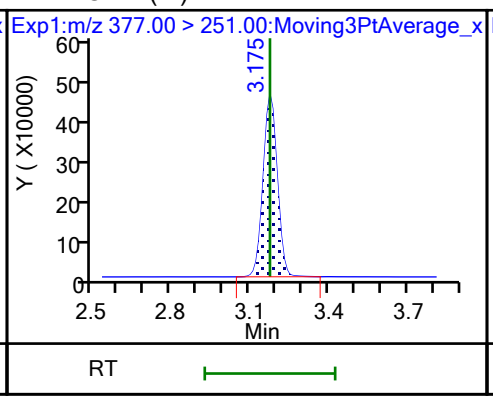
10 Perfluoroheptanoic acid (M)



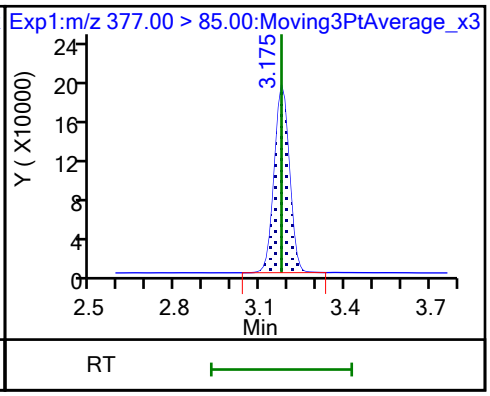
10 Perfluoroheptanoic acid (M)



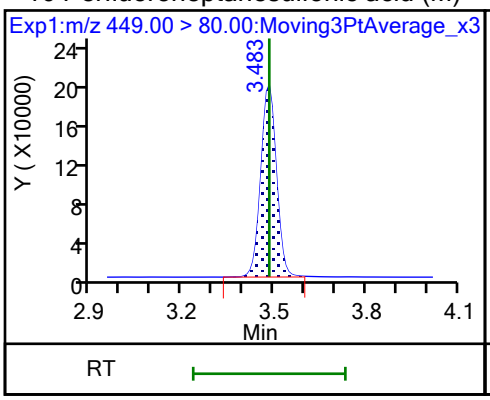
77 DONA (M)



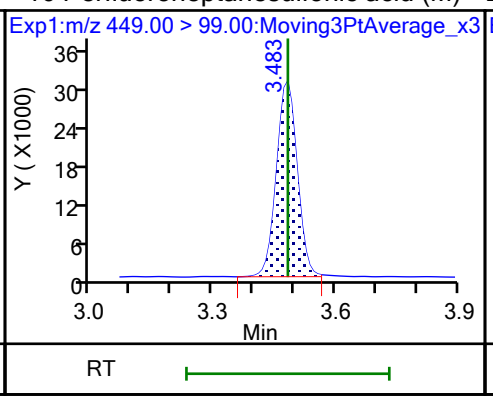
77 DONA



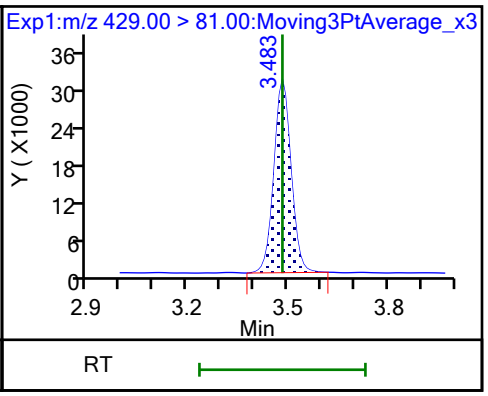
16 Perfluoroheptanesulfonic acid (M)



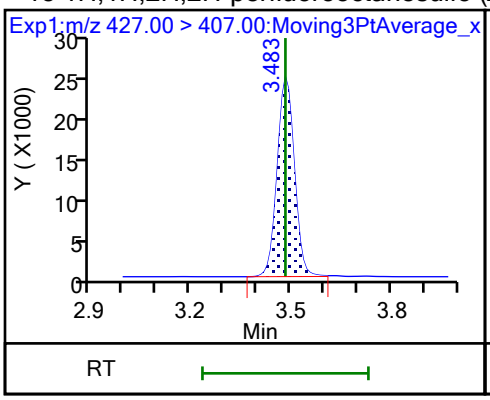
16 Perfluoroheptanesulfonic acid (M)



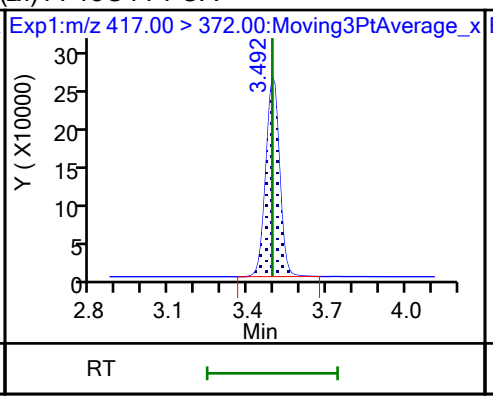
D 12 M2-6:2 FTS



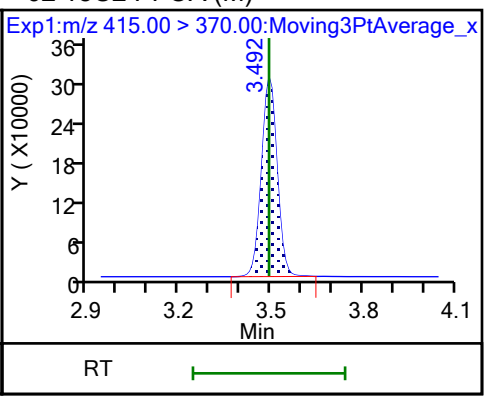
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



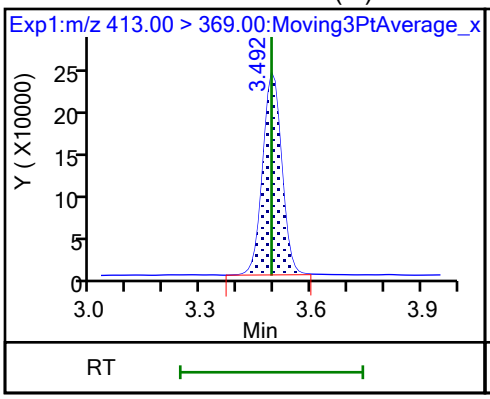
D 14 13C4 PFOA



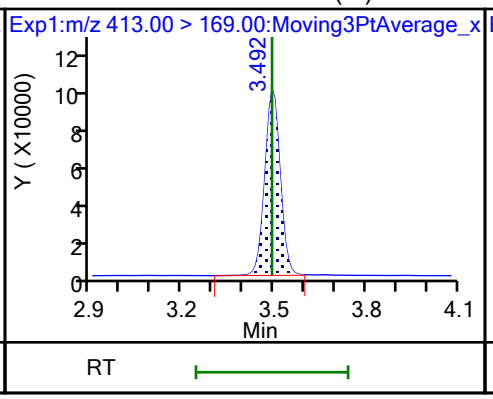
* 62 13C2 PFOA (M)



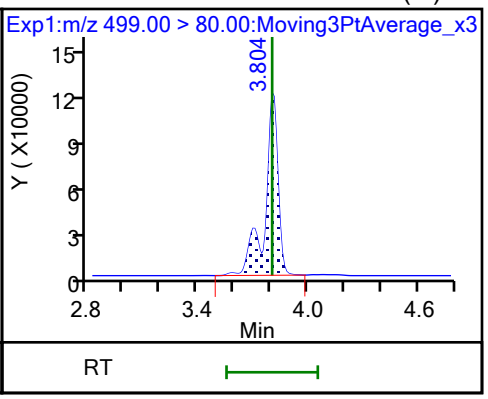
15 Perfluorooctanoic acid (M)



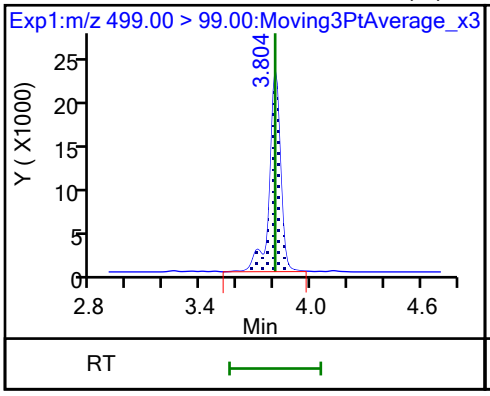
15 Perfluorooctanoic acid (M)



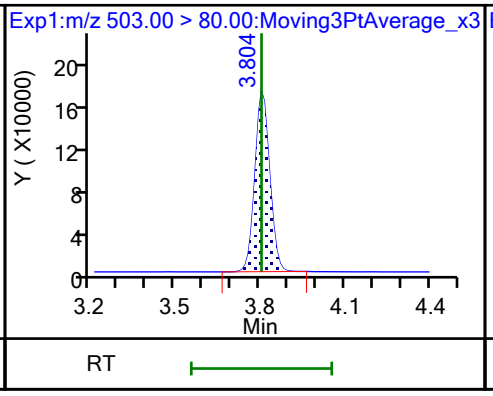
17 Perfluorooctanesulfonic acid (M)



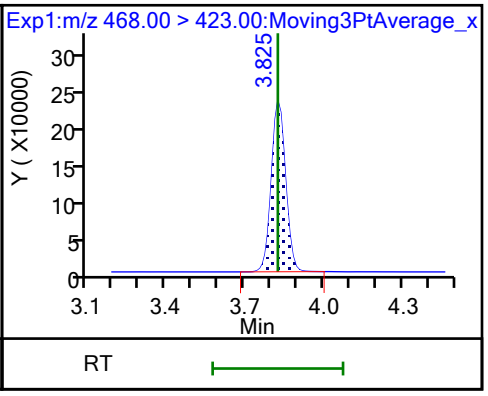
17 Perfluorooctanesulfonic acid (M)



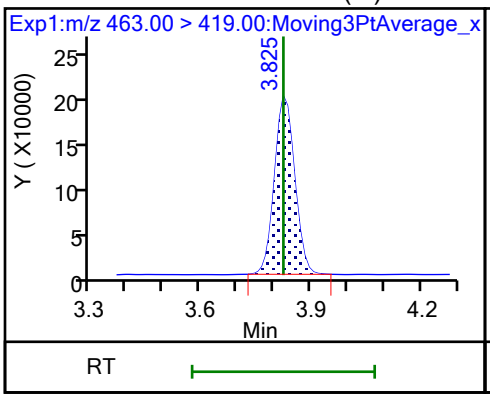
D 18 13C4 PFOS



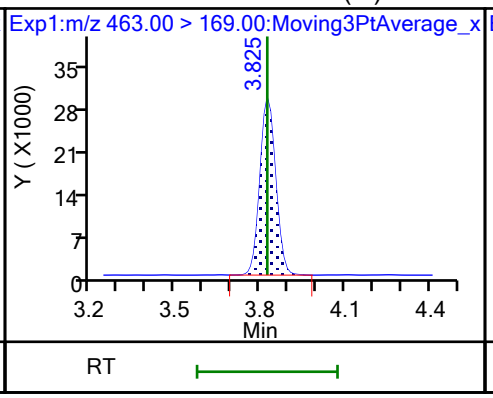
D 19 13C5 PFNA



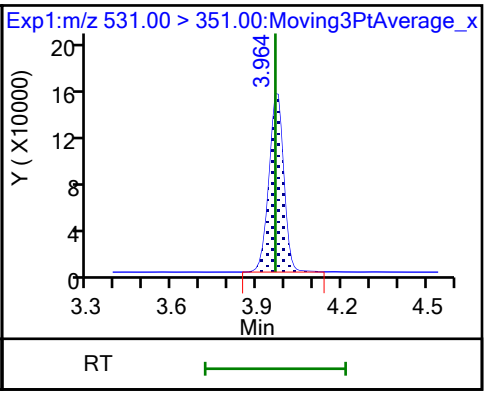
20 Perfluorononanoic acid (M)



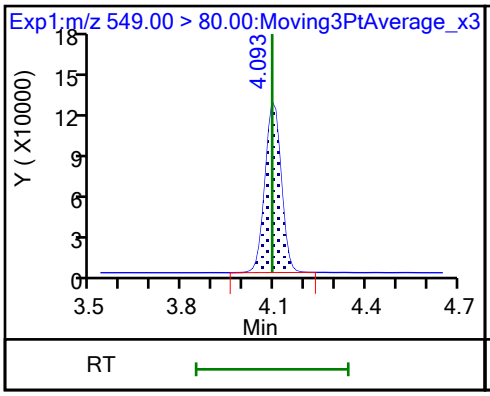
20 Perfluorononanoic acid (M)



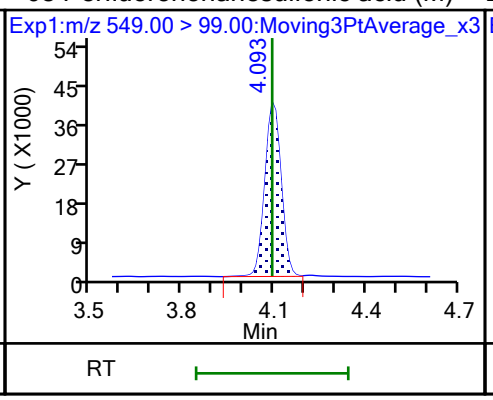
69 9-Chlorohexadecafluoro-3-oxanona (M)



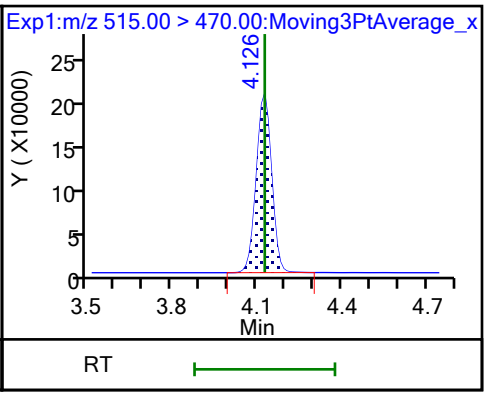
68 Perfluorononanesulfonic acid



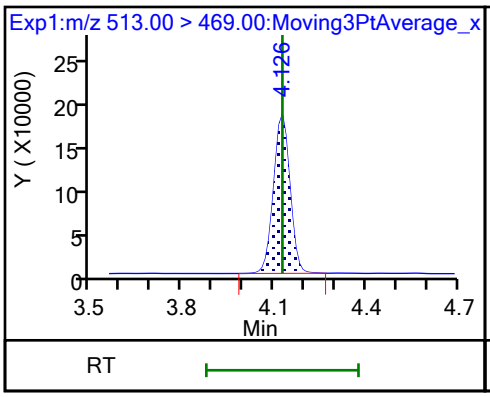
68 Perfluorononanesulfonic acid (M)



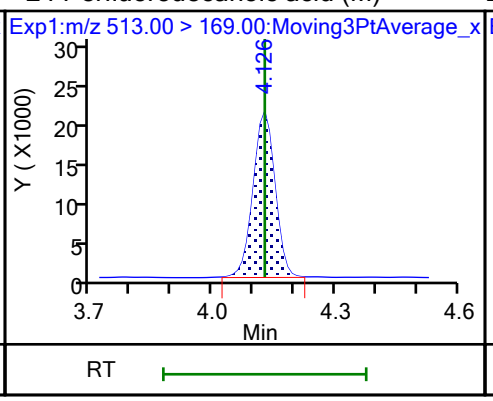
D 23 13C2 PFDA



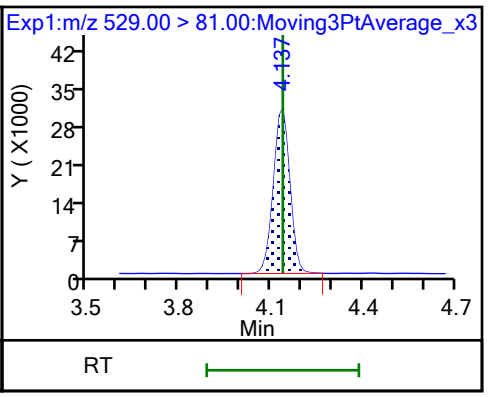
24 Perfluorodecanoic acid



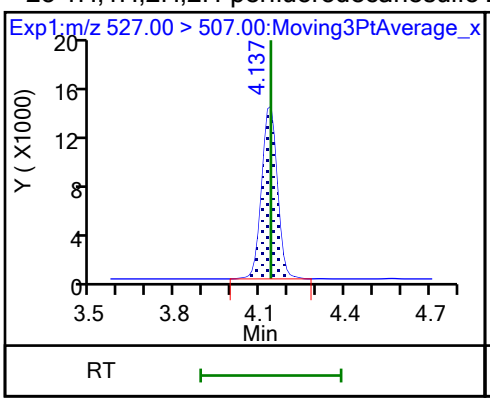
24 Perfluorodecanoic acid (M)



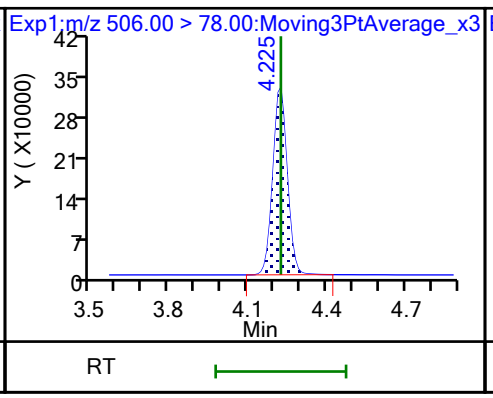
D 26 M2-8:2 FTS



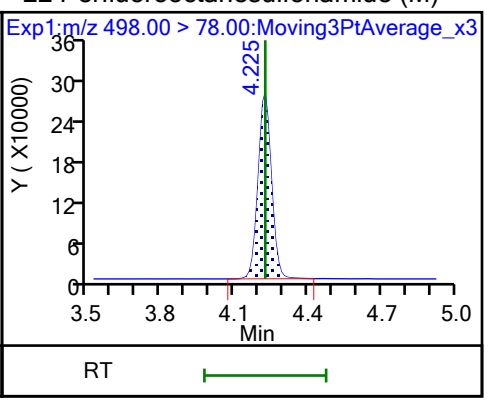
25 1H,1H,2H,2H-perfluorodecanesulfo



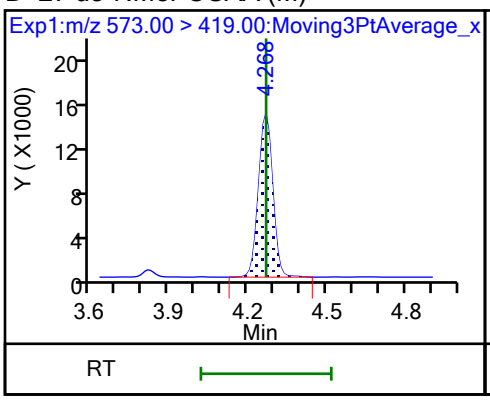
D 21 13C8 FOSA



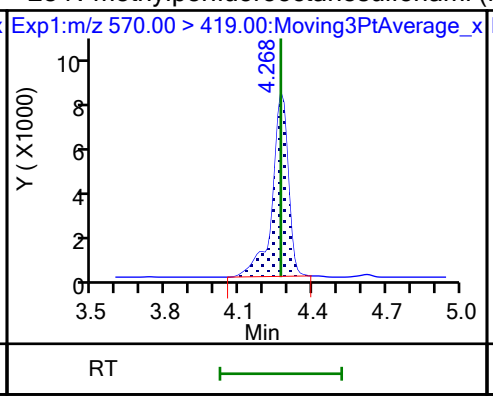
22 Perfluorooctanesulfonamide (M)



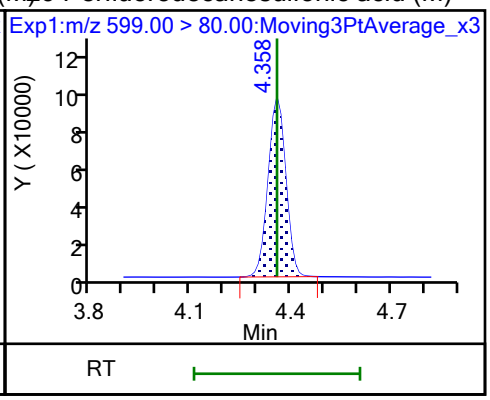
D 27 d3-NMeFOSAA (M)



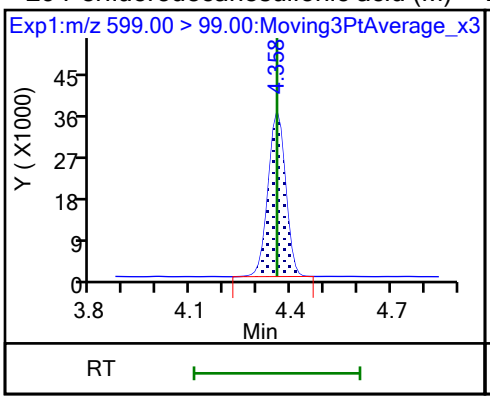
28 N-methylperfluorooctanesulfonami (M)



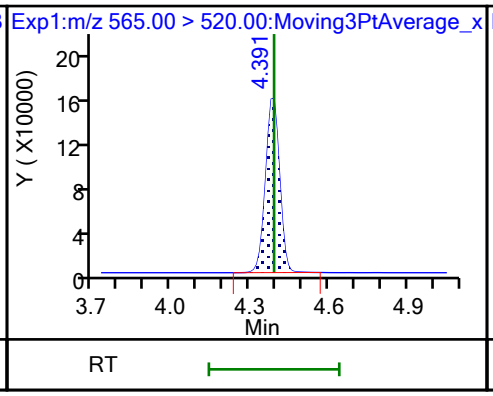
29 Perfluorodecanesulfonic acid (M)



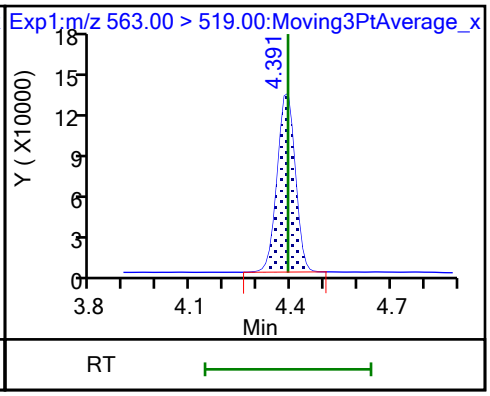
29 Perfluorodecanesulfonic acid (M)



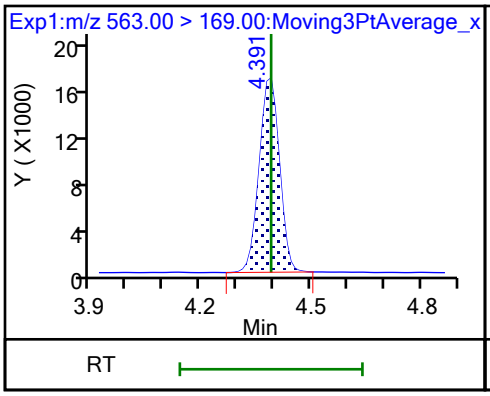
D 30 13C2 PFUnA



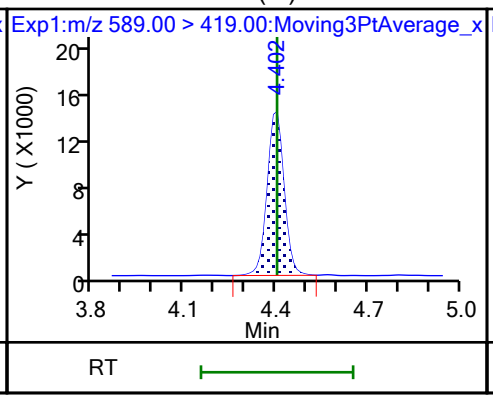
31 Perfluoroundecanoic acid



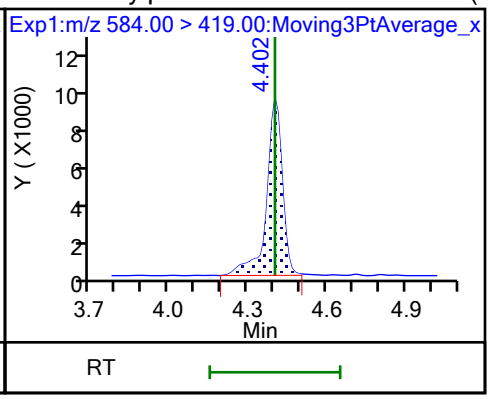
31 Perfluoroundecanoic acid



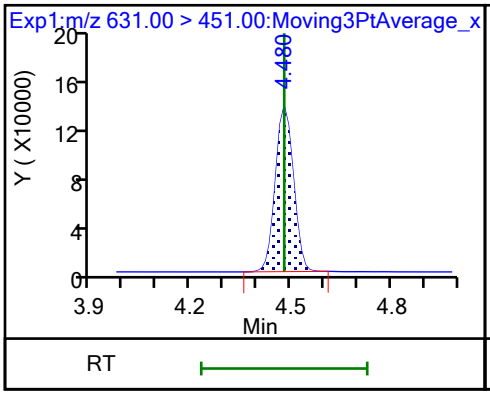
D 32 d5-NEtFOSAA (M)



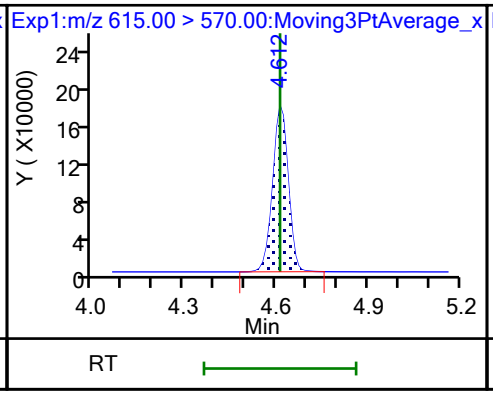
33 N-ethylperfluorooctanesulfonamid (M)



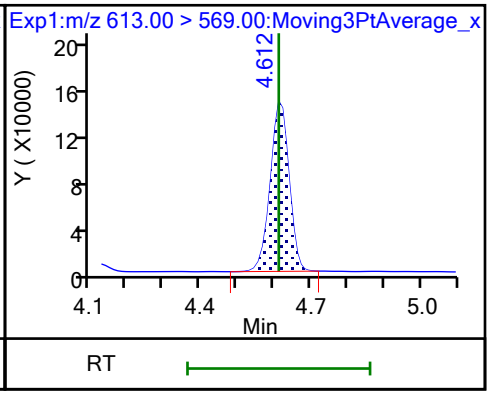
66 11-Chloroeicosafluoro-3-oxaundec



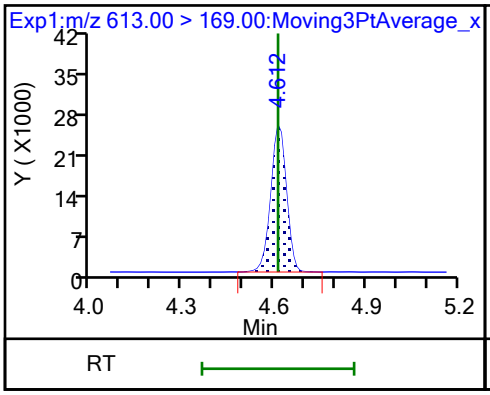
D 36 13C2 PFDoA



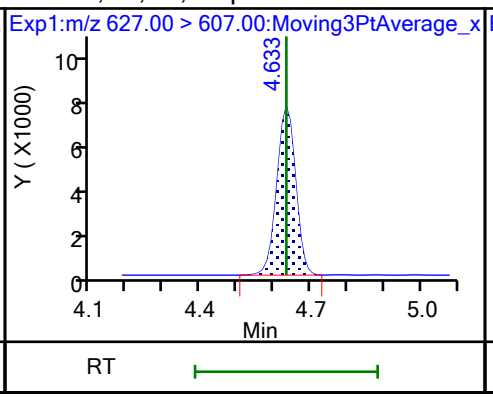
37 Perfluorododecanoic acid



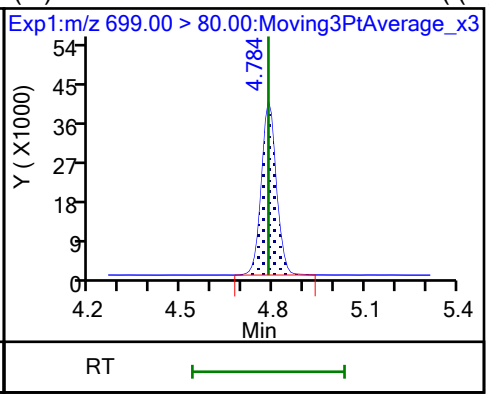
37 Perfluorododecanoic acid



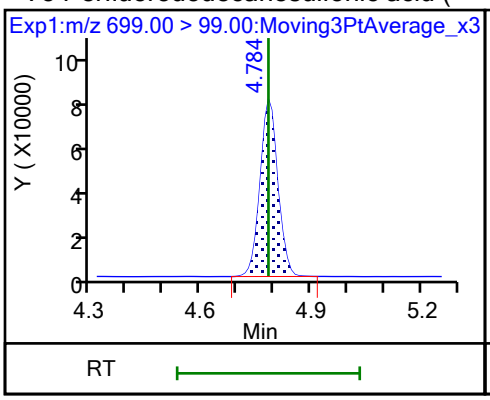
74 1H,1H,2H,2H-perfluorododecanesul (M)



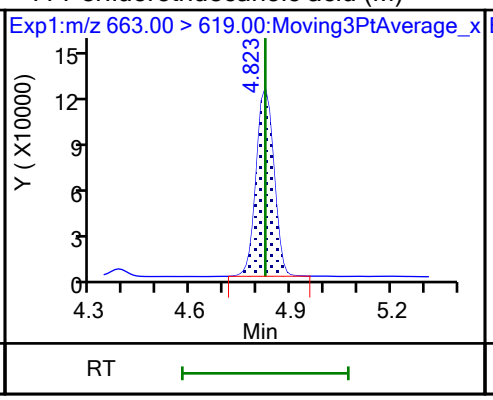
75 Perfluorododecanesulfonic acid ((M)



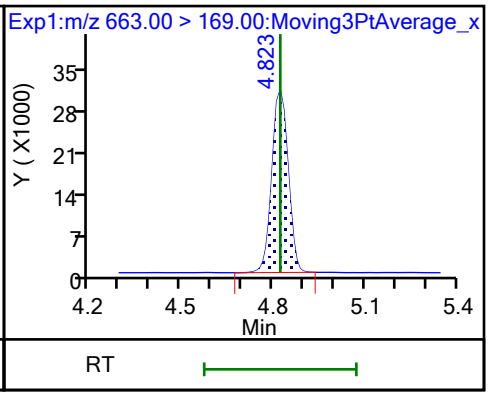
75 Perfluorododecanesulfonic acid (



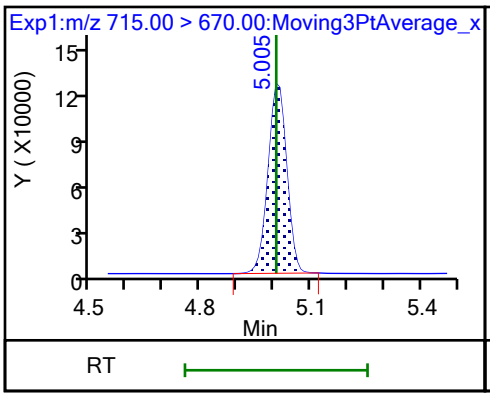
41 Perfluorotridecanoic acid (M)



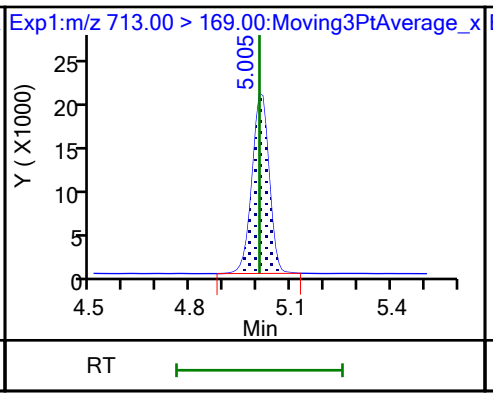
41 Perfluorotridecanoic acid



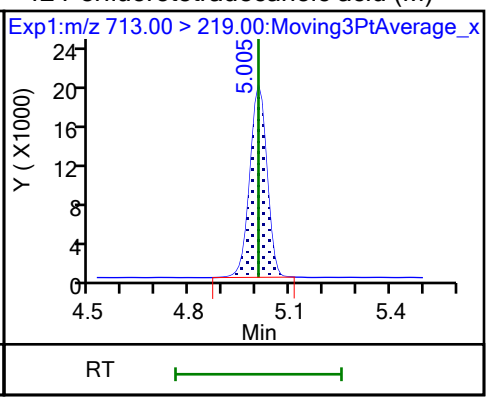
D 43 13C2 PFTeDA



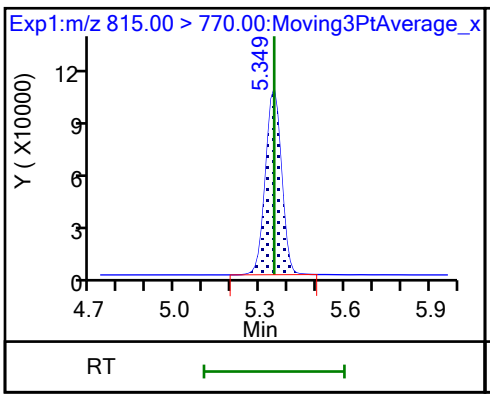
42 Perfluorotetradecanoic acid



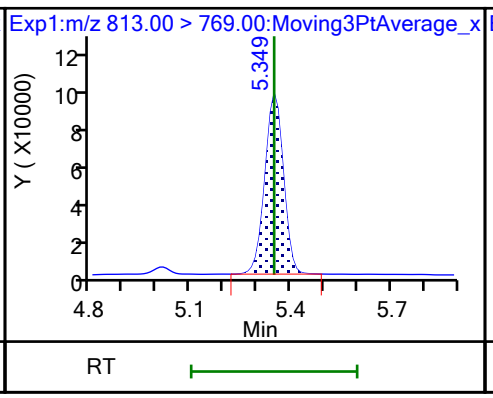
42 Perfluorotetradecanoic acid (M)



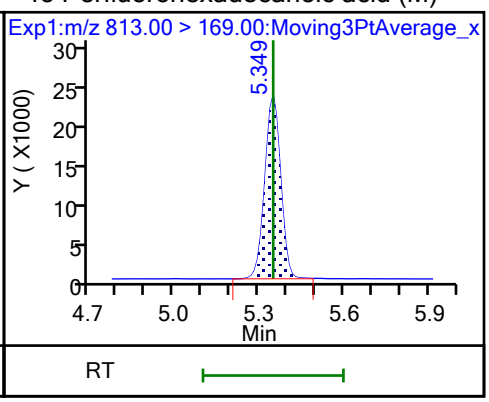
D 44 13C2 PFHxDA



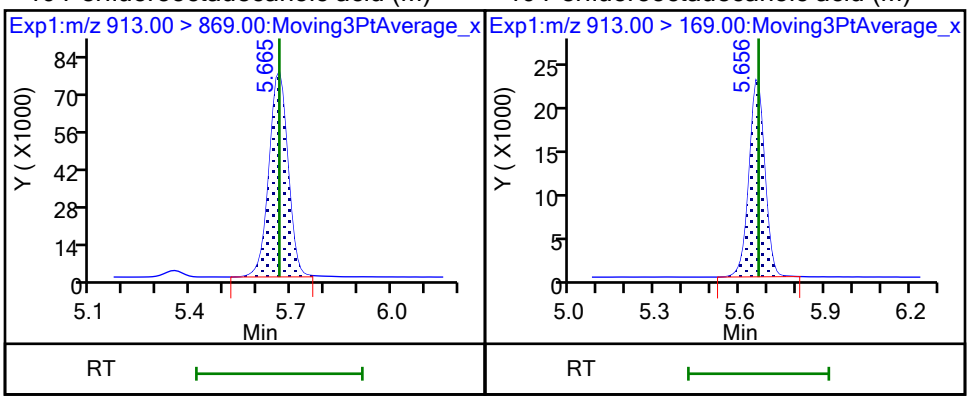
45 Perfluorohexadecanoic acid



45 Perfluorohexadecanoic acid (M)



46 Perfluorooctadecanoic acid (M) 46 Perfluorooctadecanoic acid (M)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

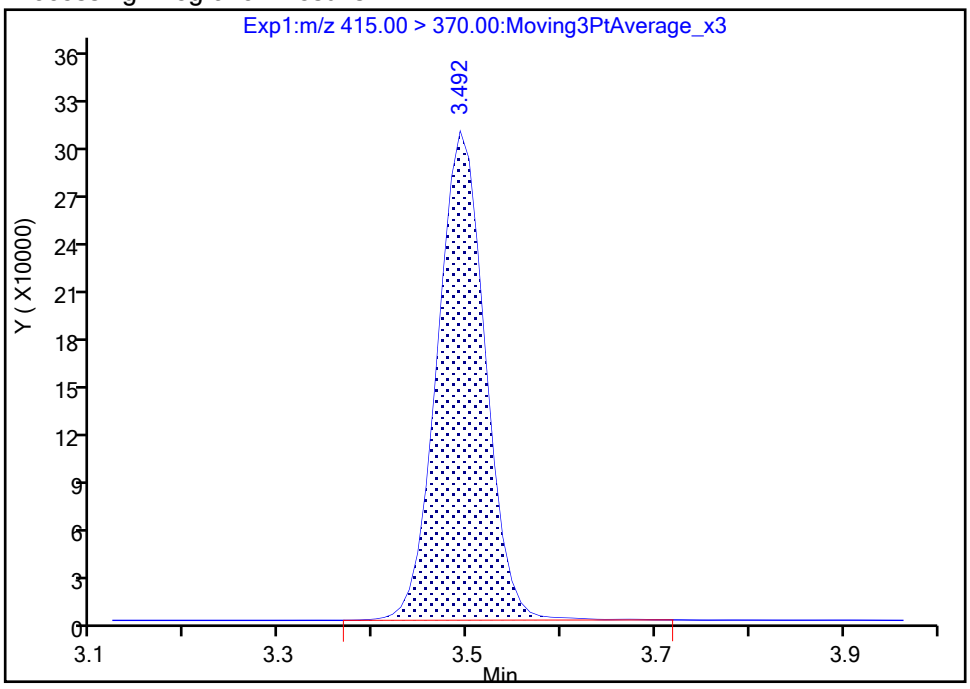
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Injection Date:	03-Mar-2021 16:12:33	Instrument ID:	LC812		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

* 62 13C2 PFOA, CAS: STL00623

Signal: 1

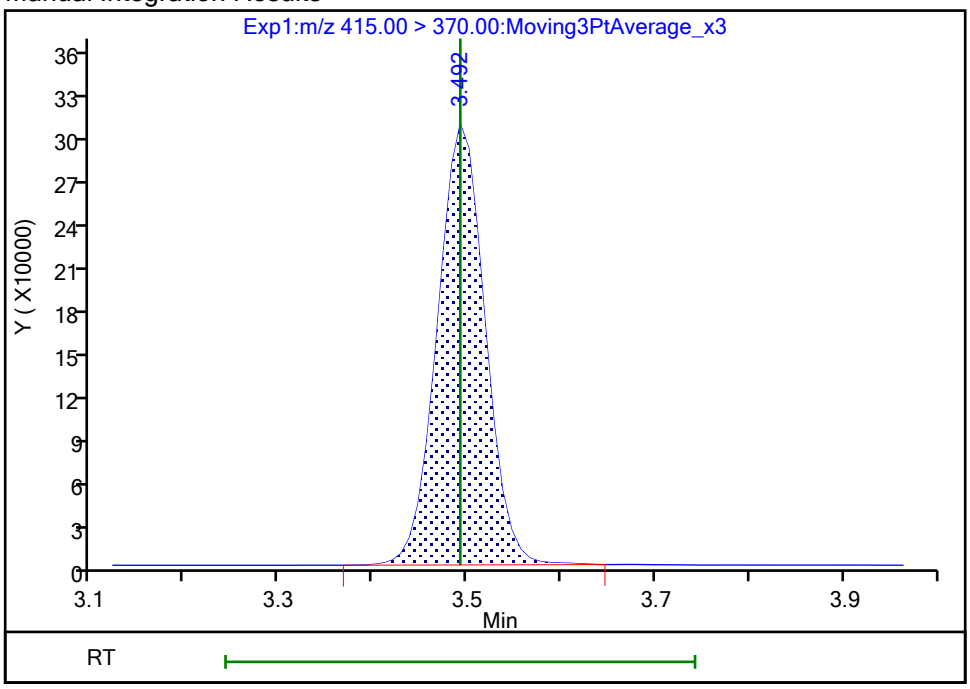
Processing Integration Results

RT: 3.49
Area: 1074970
Amount: 1.250000
Amount Units: ng/ml



Manual Integration Results

RT: 3.49
Area: 1072526
Amount: 1.250000
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 09:07:08
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

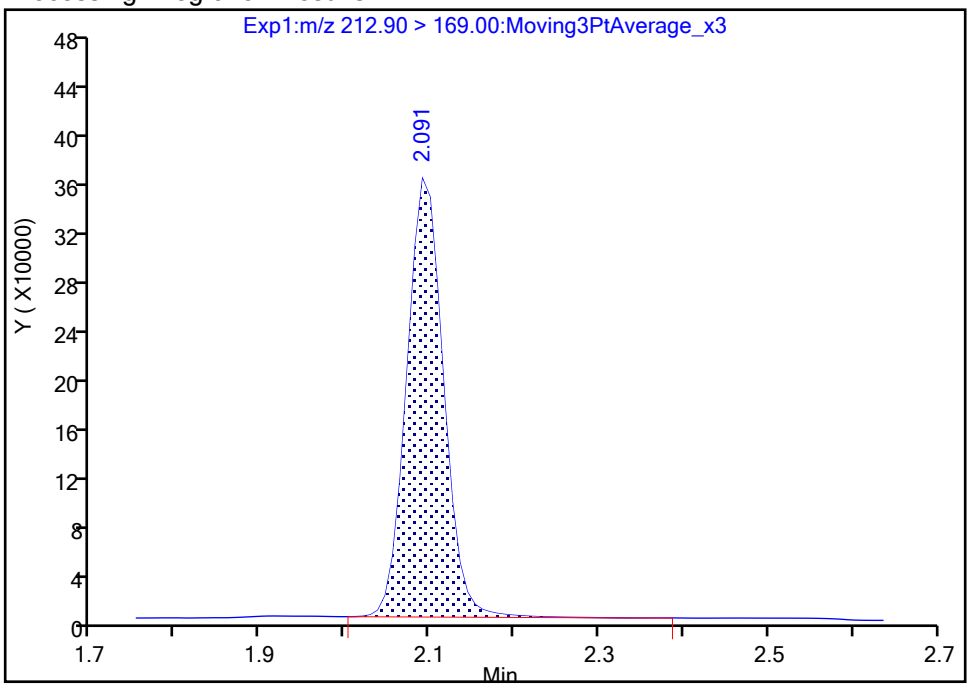
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Lims ID:	CCVIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

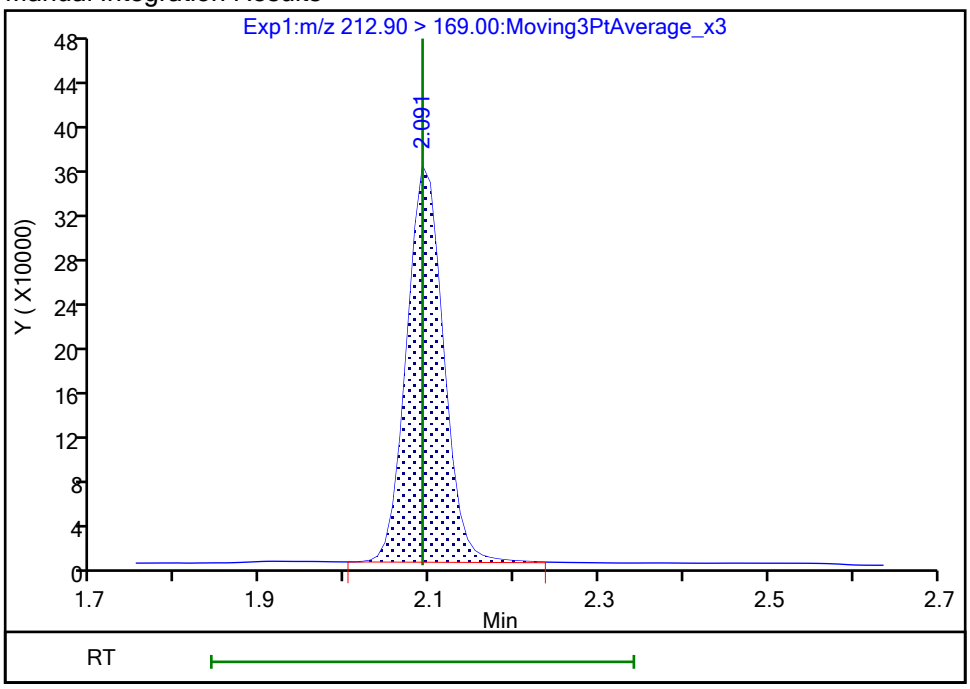
Processing Integration Results

RT: 2.09
Area: 1071170
Amount: 0.957016
Amount Units: ng/ml



Manual Integration Results

RT: 2.09
Area: 1069515
Amount: 0.955538
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 09:07:50

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

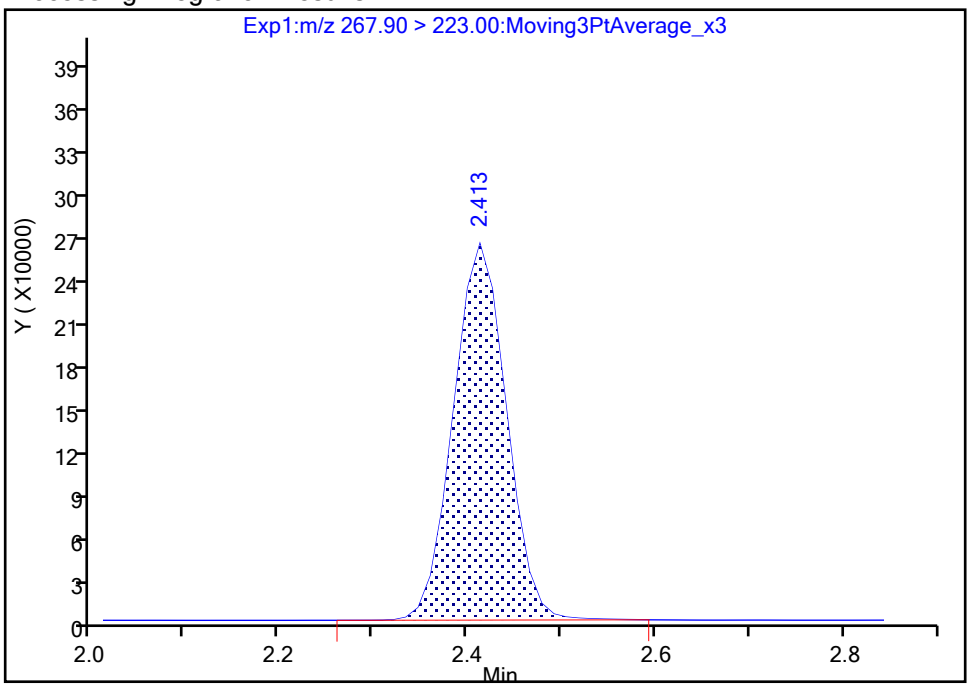
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Injection Date:	03-Mar-2021 16:12:33	Instrument ID:	LC812		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 3 13C5 PFPeA, CAS: STL01893

Signal: 1

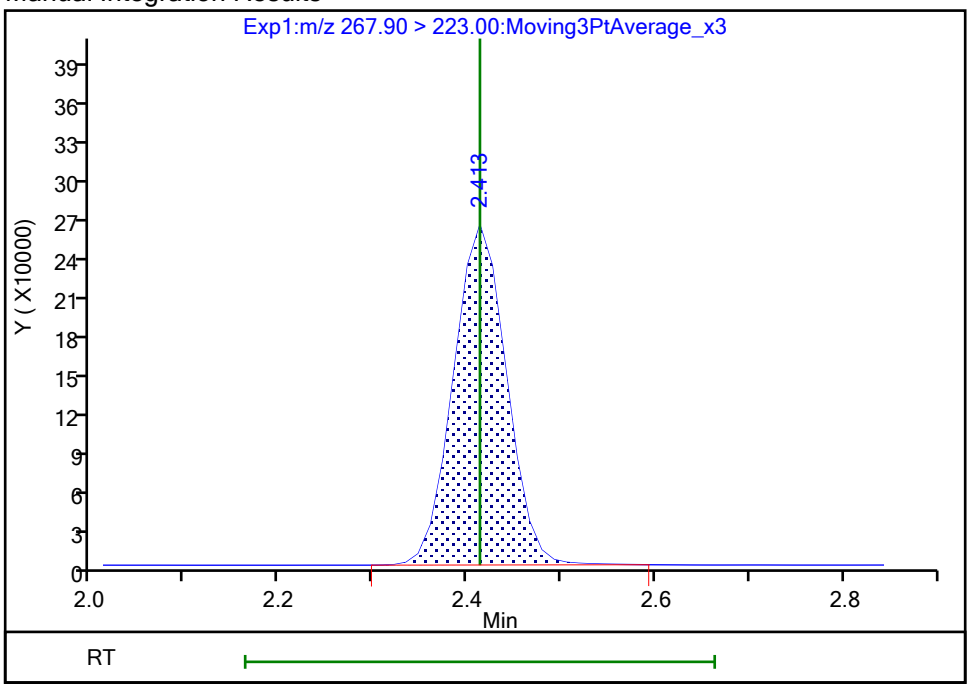
Processing Integration Results

RT: 2.41
Area: 1025181
Amount: 1.227674
Amount Units: ng/ml



Manual Integration Results

RT: 2.41
Area: 1025125
Amount: 1.230404
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 09:03:37
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

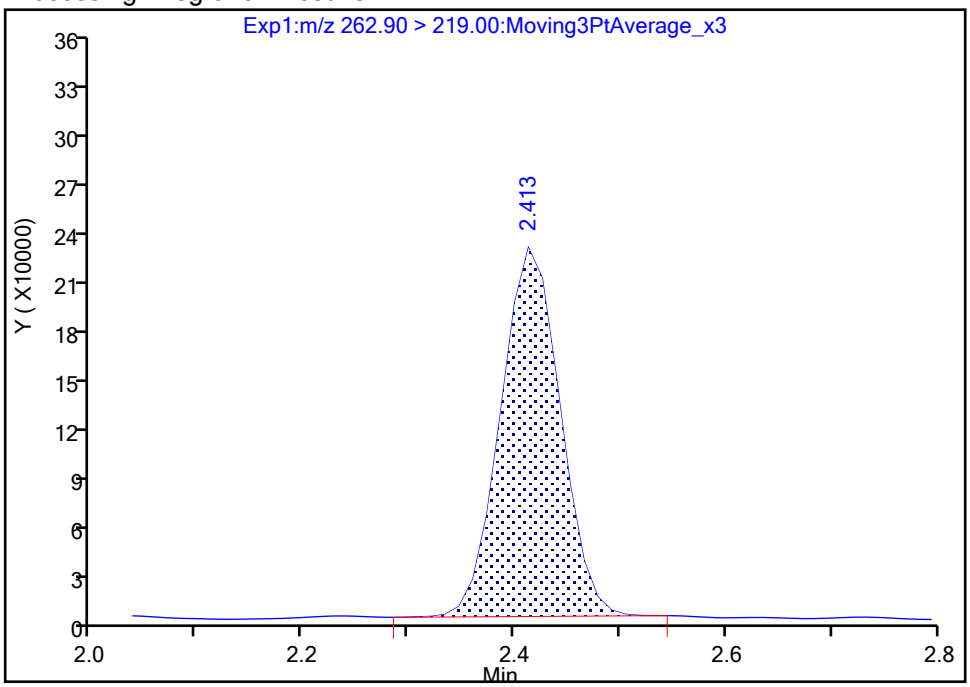
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A06.d				
Injection Date:	03-Mar-2021 16:12:33	Instrument ID:	LC812		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

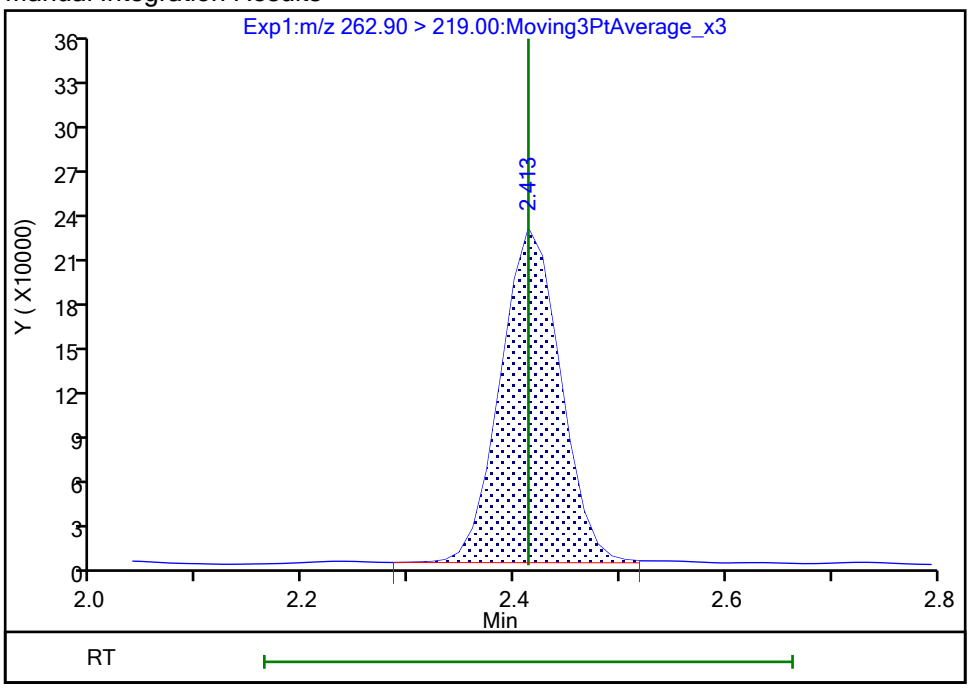
Processing Integration Results

RT: 2.41
Area: 875665
Amount: 0.964299
Amount Units: ng/ml



Manual Integration Results

RT: 2.41
Area: 883511
Amount: 0.972940
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 09:10:25
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

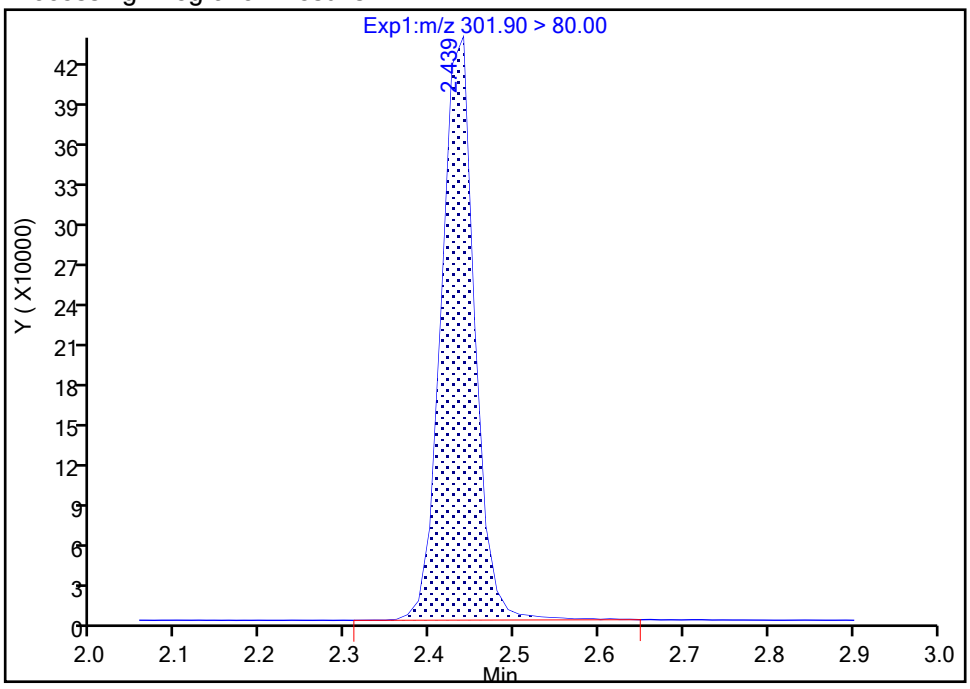
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A06.d				
Injection Date:	03-Mar-2021 16:12:33	Instrument ID:	LC812		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

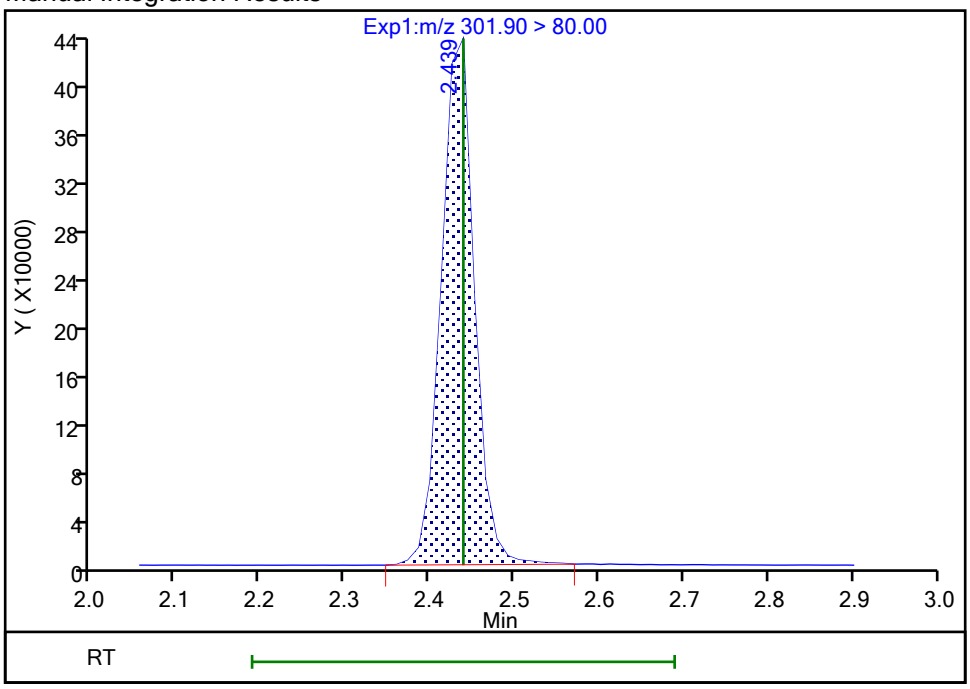
Processing Integration Results

RT: 2.44
Area: 1171255
Amount: 1.065884
Amount Units: ng/ml



Manual Integration Results

RT: 2.44
Area: 1165624
Amount: 1.063176
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 09:03:48

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

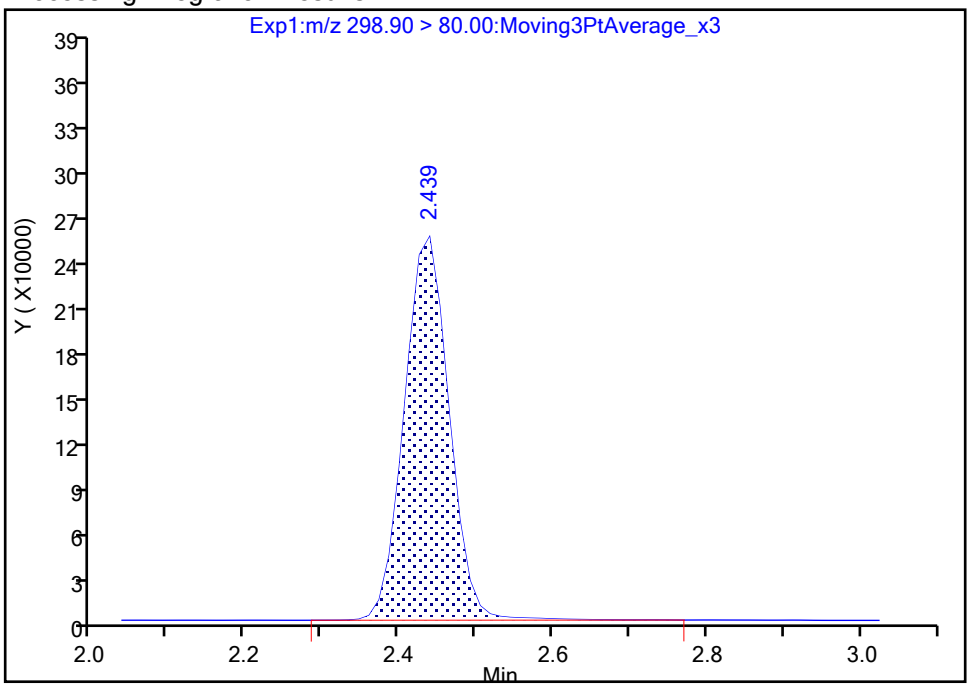
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A06.d				
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Lims ID:	CCVIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

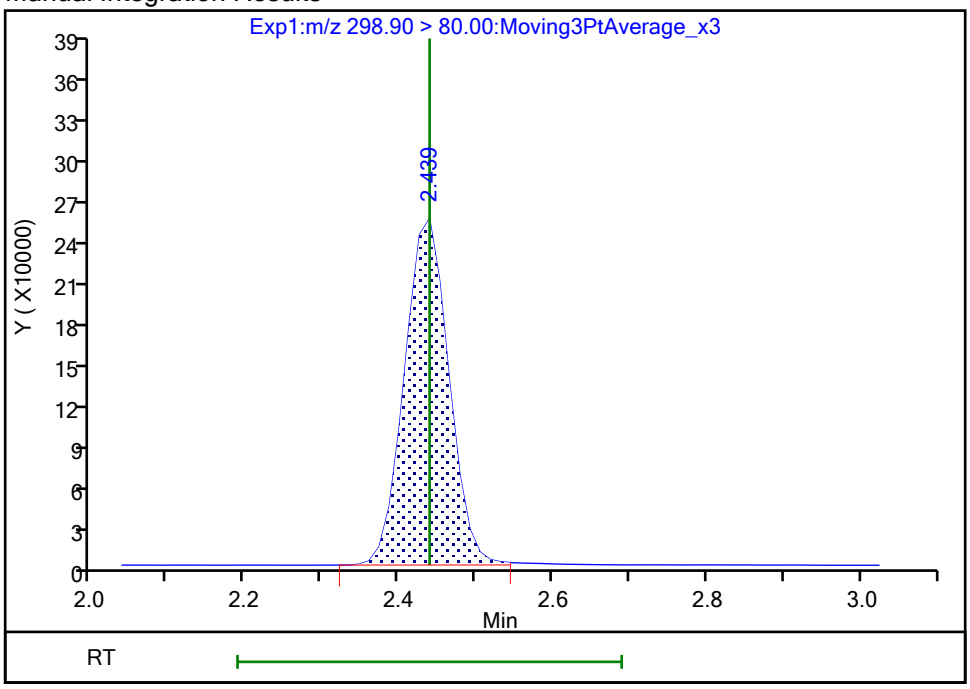
Processing Integration Results

RT: 2.44
Area: 1010860
Amount: 0.891146
Amount Units: ng/ml



Manual Integration Results

RT: 2.44
Area: 1003857
Amount: 0.884973
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 09:11:03

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

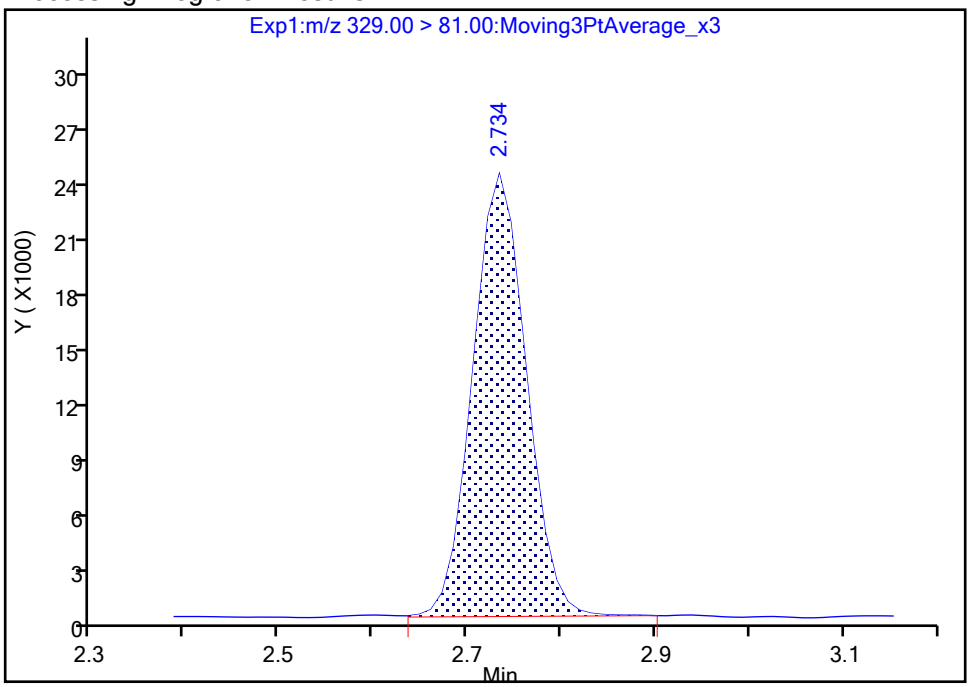
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A06.d				
Injection Date:	03-Mar-2021 16:12:33	Instrument ID:	LC812		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 60 M2-4:2 FTS, CAS: STL02395

Signal: 1

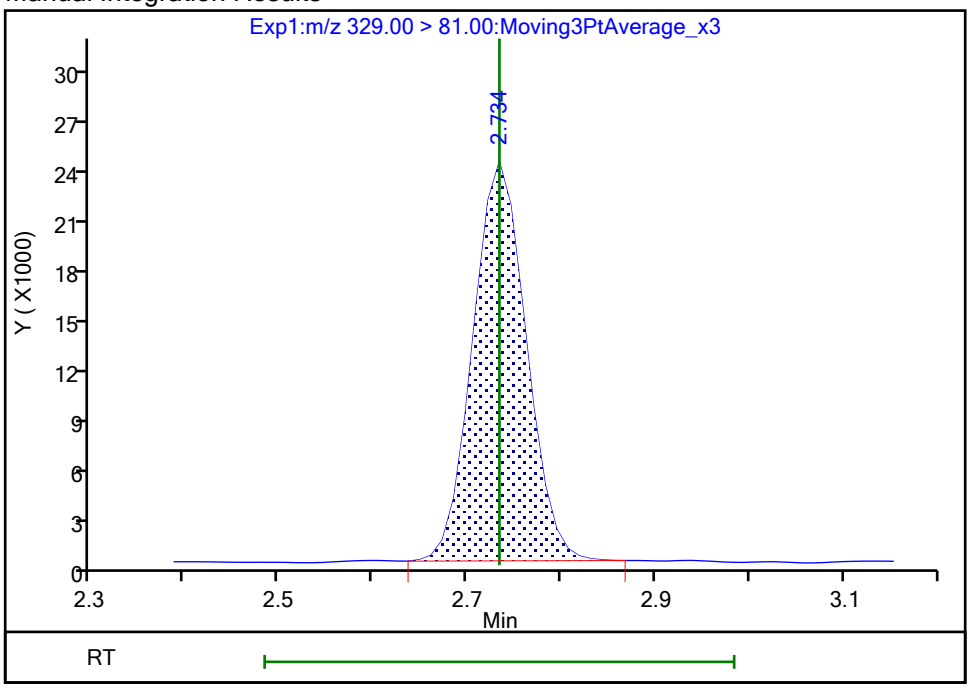
Processing Integration Results

RT: 2.73
Area: 93794
Amount: 1.023051
Amount Units: ng/ml



Manual Integration Results

RT: 2.73
Area: 93046
Amount: 1.017205
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 09:04:19
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

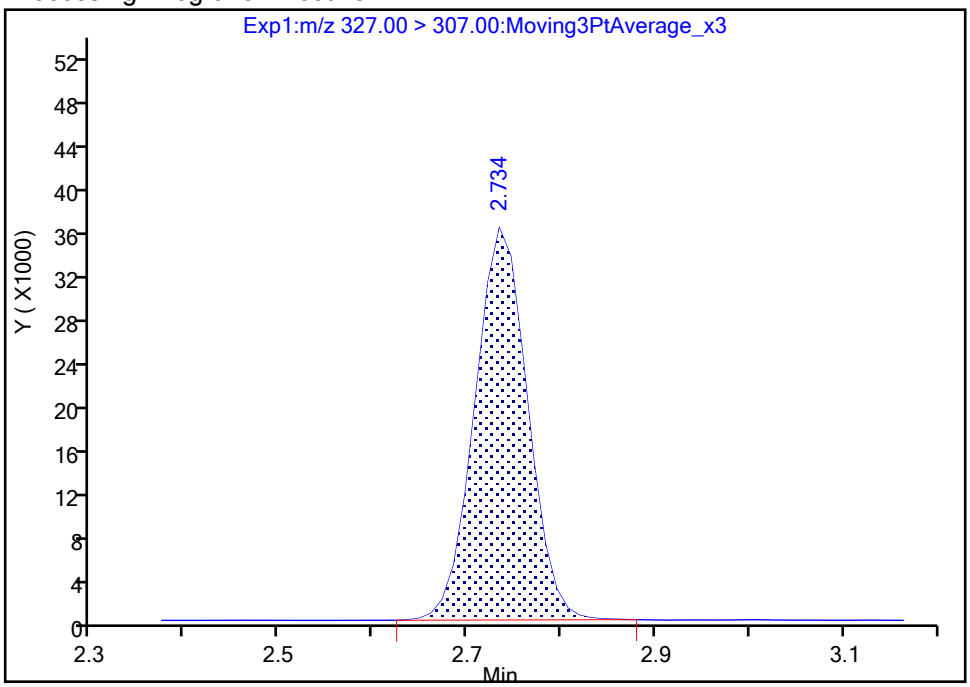
Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A06.d
Injection Date: 03-Mar-2021 16:12:33 Instrument ID: LC812
Lims ID: CCVIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

61 1H,1H,2H,2H-perfluorohexanesulfo, CAS: 757124-72-4

Signal: 1

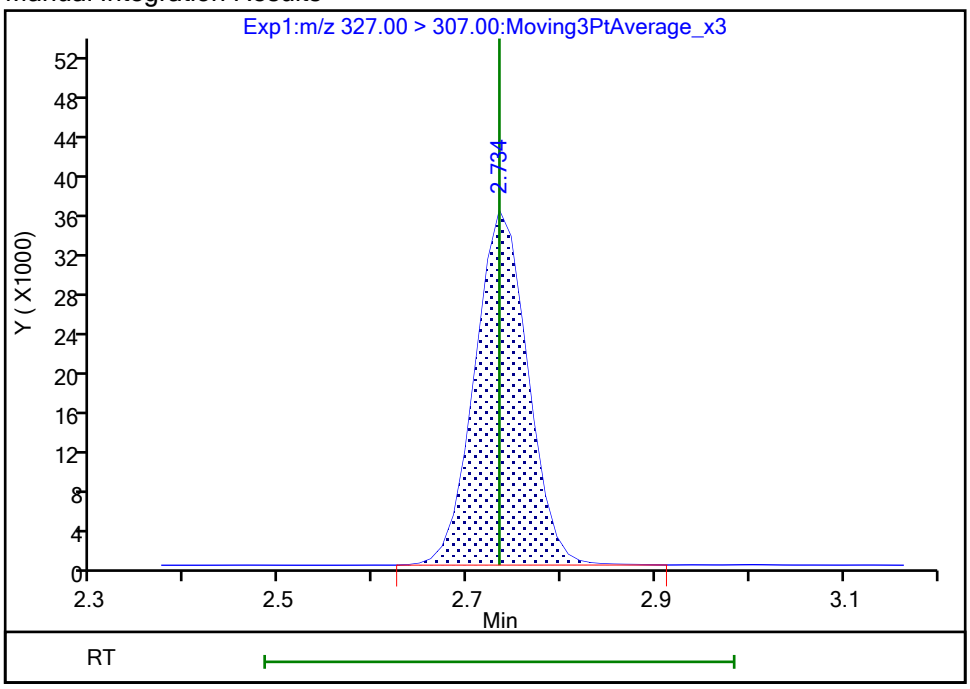
Processing Integration Results

RT: 2.73
Area: 140897
Amount: 0.964103
Amount Units: ng/ml



Manual Integration Results

RT: 2.73
Area: 141277
Amount: 0.966703
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 09:11:26
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

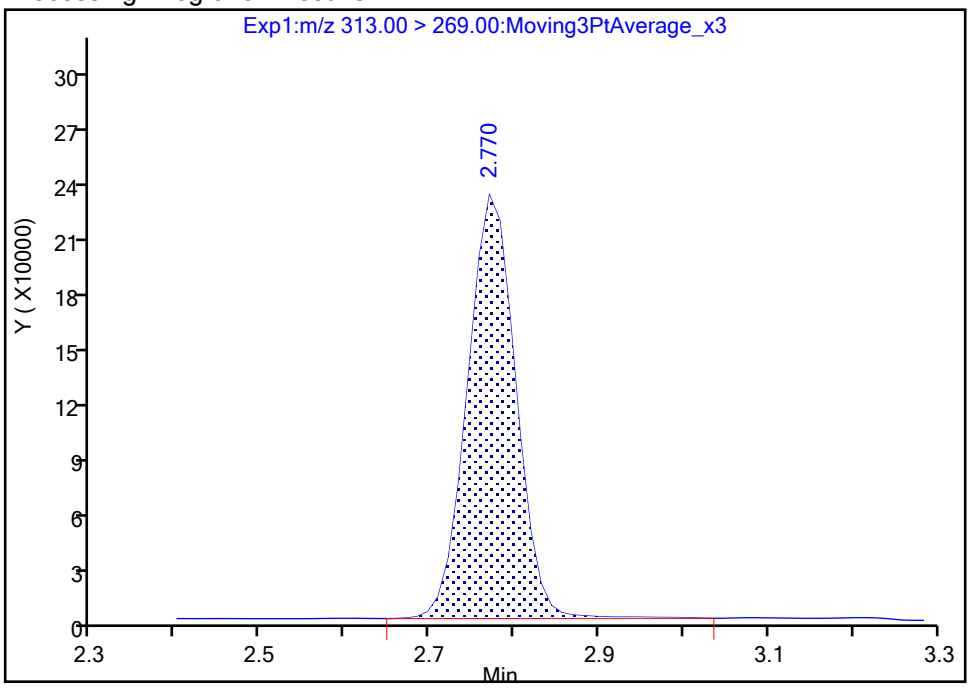
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A06.d				
Injection Date:	03-Mar-2021 16:12:33	Instrument ID:	LC812		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

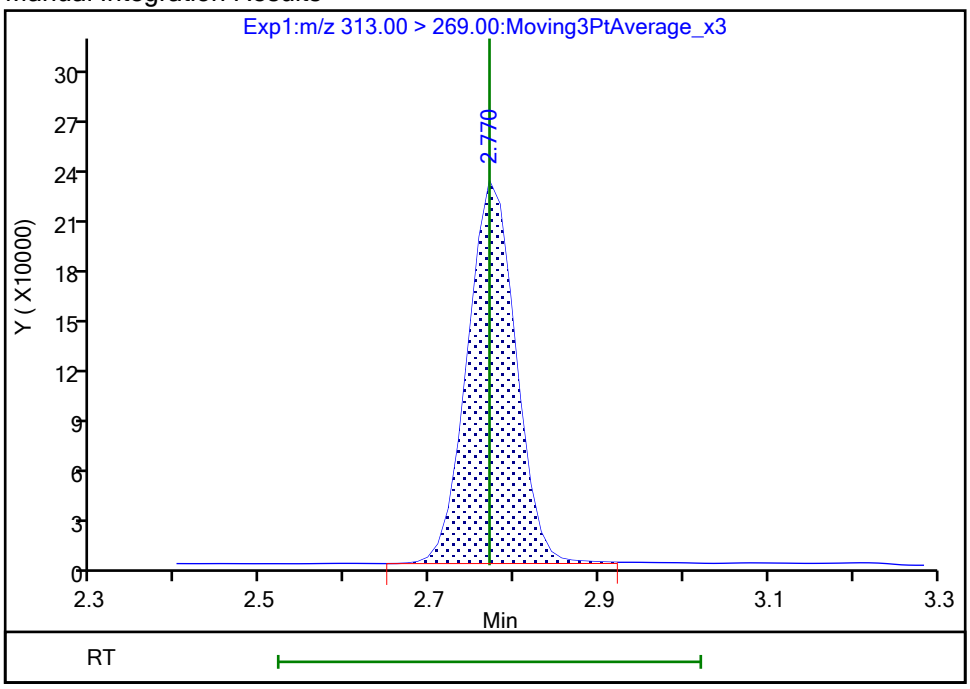
Processing Integration Results

RT: 2.77
Area: 907096
Amount: 1.020664
Amount Units: ng/ml



Manual Integration Results

RT: 2.77
Area: 904100
Amount: 1.017293
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 09:11:51
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

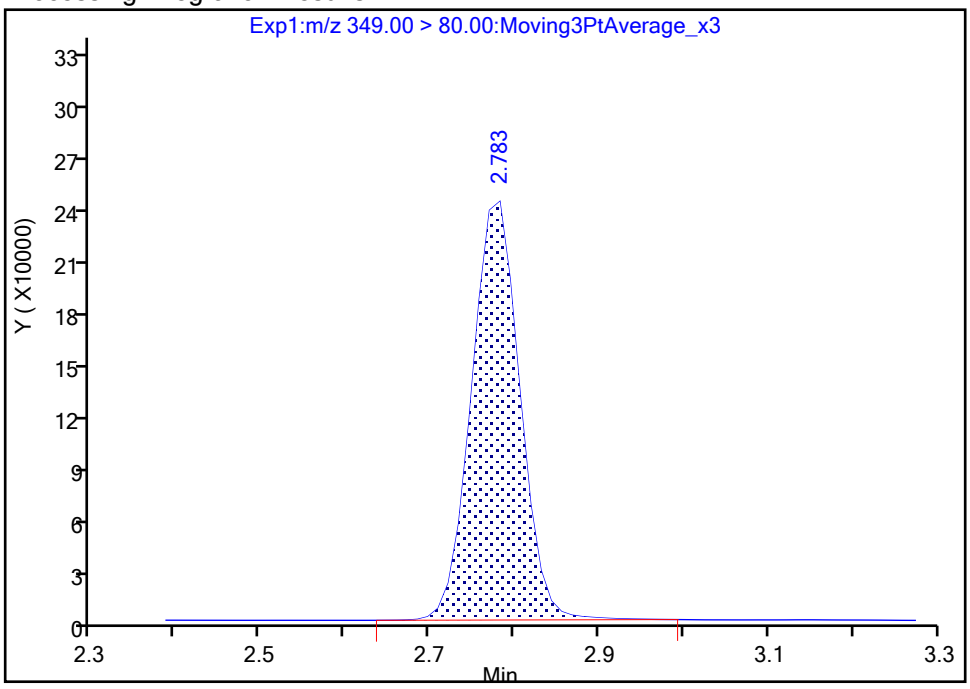
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A06.d				
Injection Date:	03-Mar-2021 16:12:33	Instrument ID:	LC812		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 1

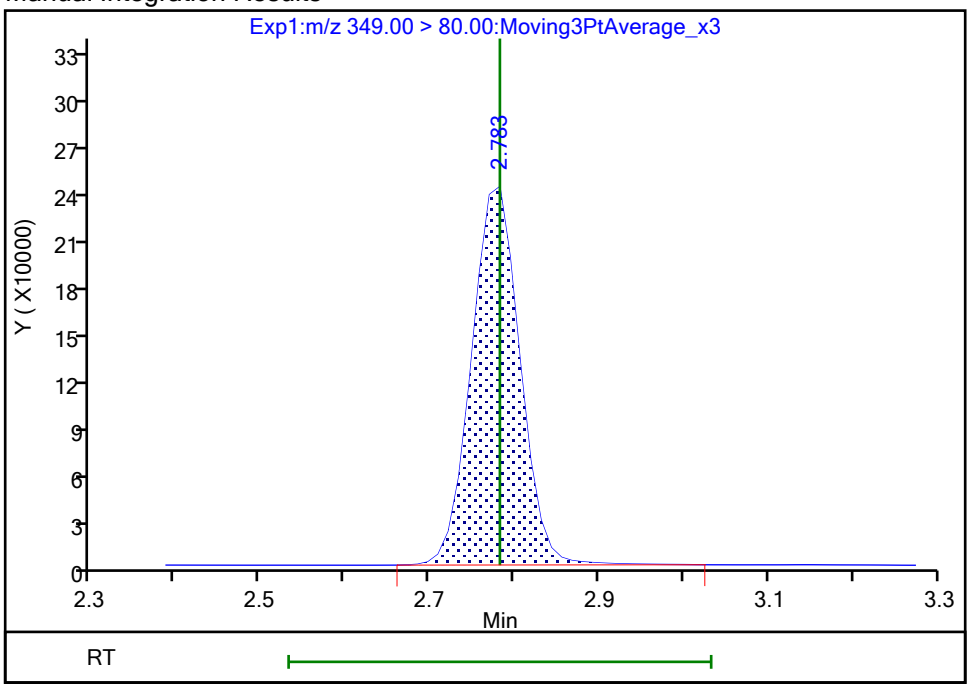
Processing Integration Results

RT: 2.78
Area: 942538
Amount: 0.933494
Amount Units: ng/ml



Manual Integration Results

RT: 2.78
Area: 944111
Amount: 0.935052
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 09:12:11

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

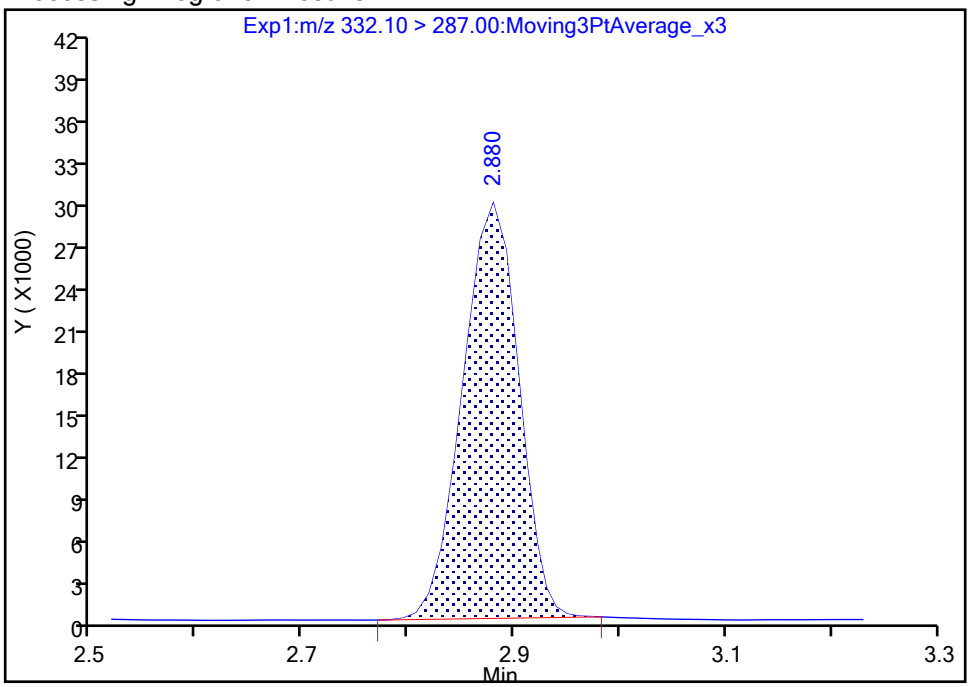
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A06.d				
Injection Date:	03-Mar-2021 16:12:33	Instrument ID:	LC812		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 64 13C3 HFPO-DA, CAS: STL02255

Signal: 1

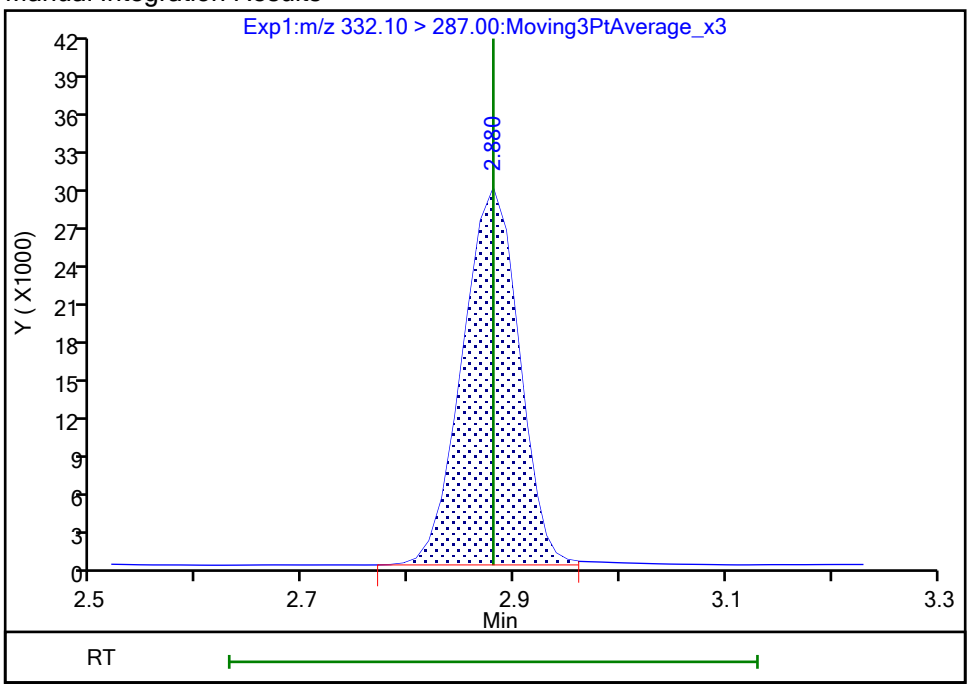
Processing Integration Results

RT: 2.88
Area: 109898
Amount: 0.713179
Amount Units: ng/ml



Manual Integration Results

RT: 2.88
Area: 110976
Amount: 0.721815
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 09:05:20

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

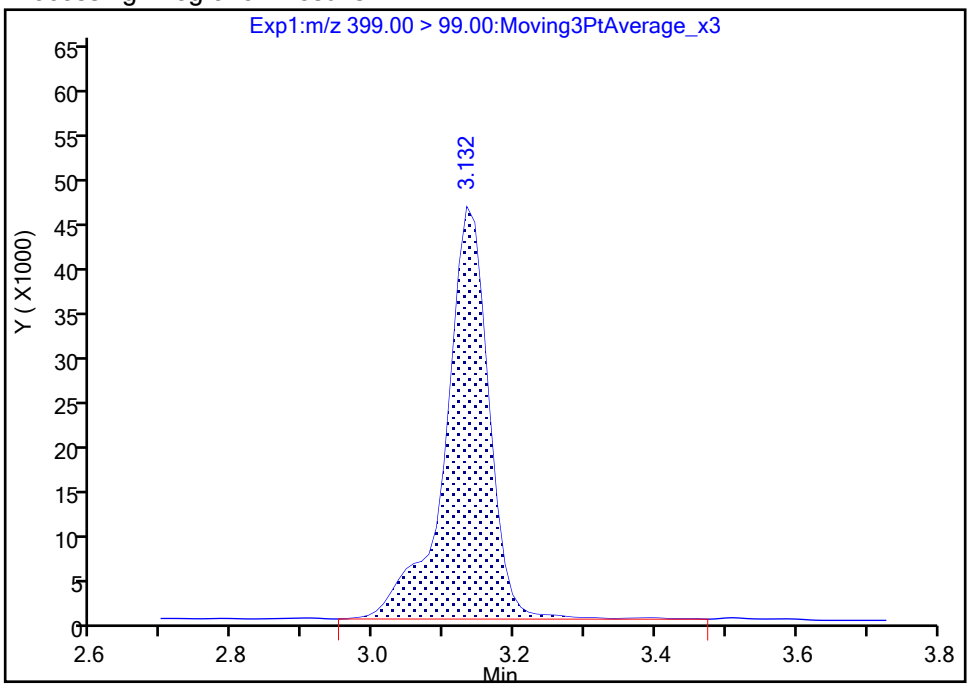
Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A06.d
Injection Date: 03-Mar-2021 16:12:33 Instrument ID: LC812
Lims ID: CCVIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

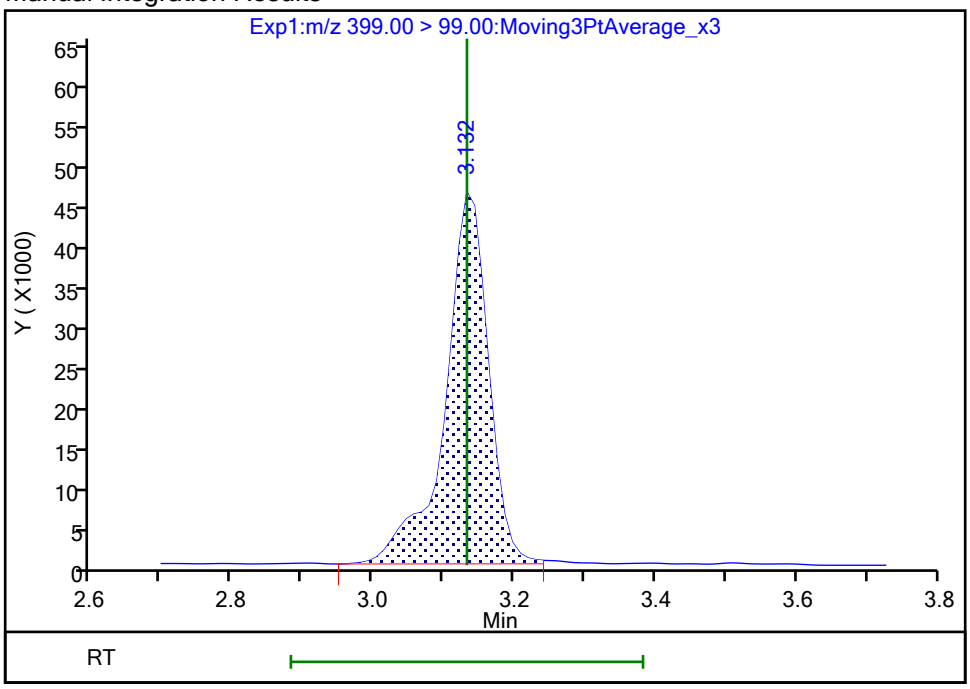
Processing Integration Results

RT: 3.13
Area: 198277
Amount: 0.919631
Amount Units: ng/ml



Manual Integration Results

RT: 3.13
Area: 196089
Amount: 0.919631
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 09:13:31
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

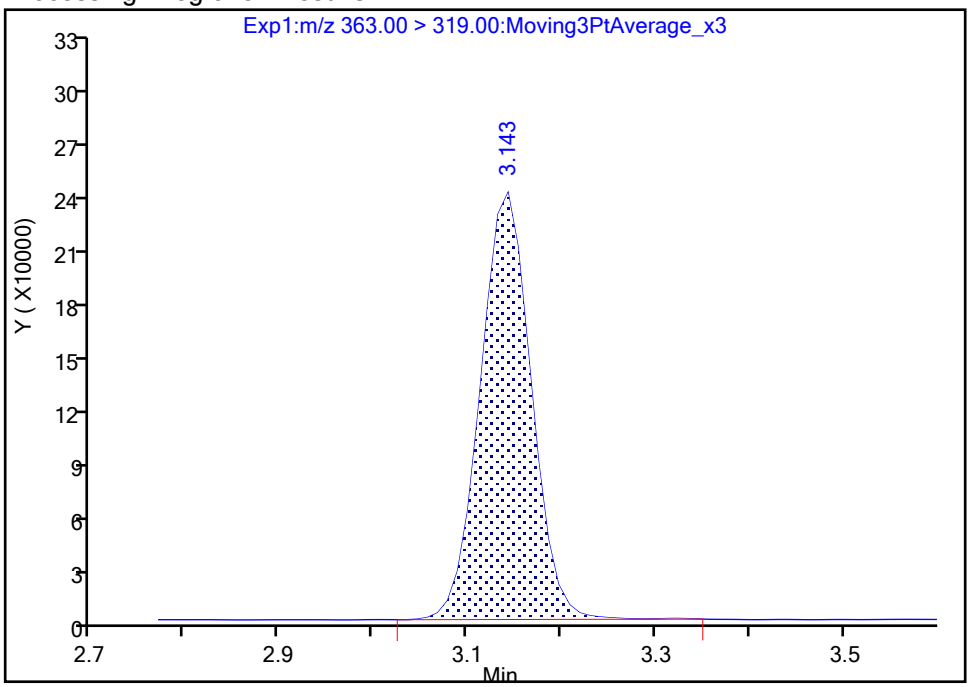
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A06.d				
Injection Date:	03-Mar-2021 16:12:33	Instrument ID:	LC812		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

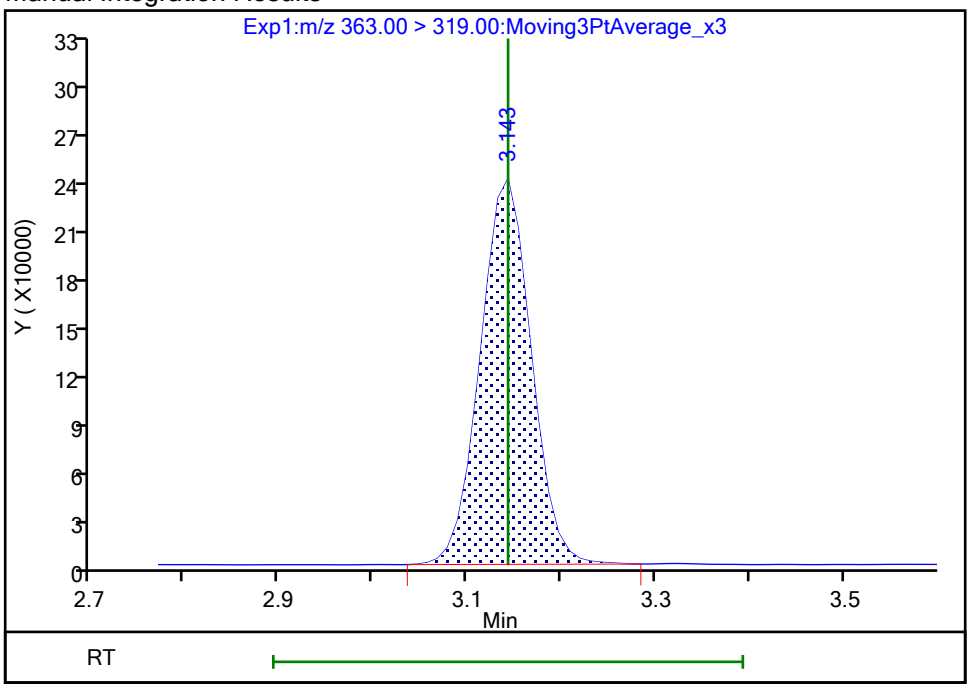
Processing Integration Results

RT: 3.14
Area: 906952
Amount: 1.036652
Amount Units: ng/ml



Manual Integration Results

RT: 3.14
Area: 904976
Amount: 1.034393
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 09:16:58
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

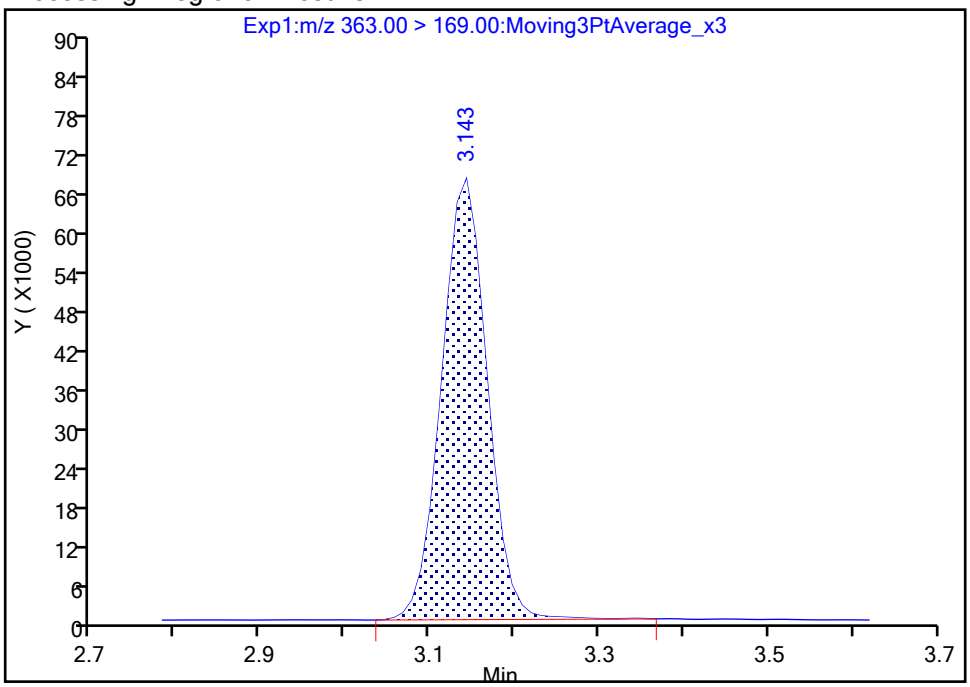
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A06.d				
Injection Date:	03-Mar-2021 16:12:33	Instrument ID:	LC812		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

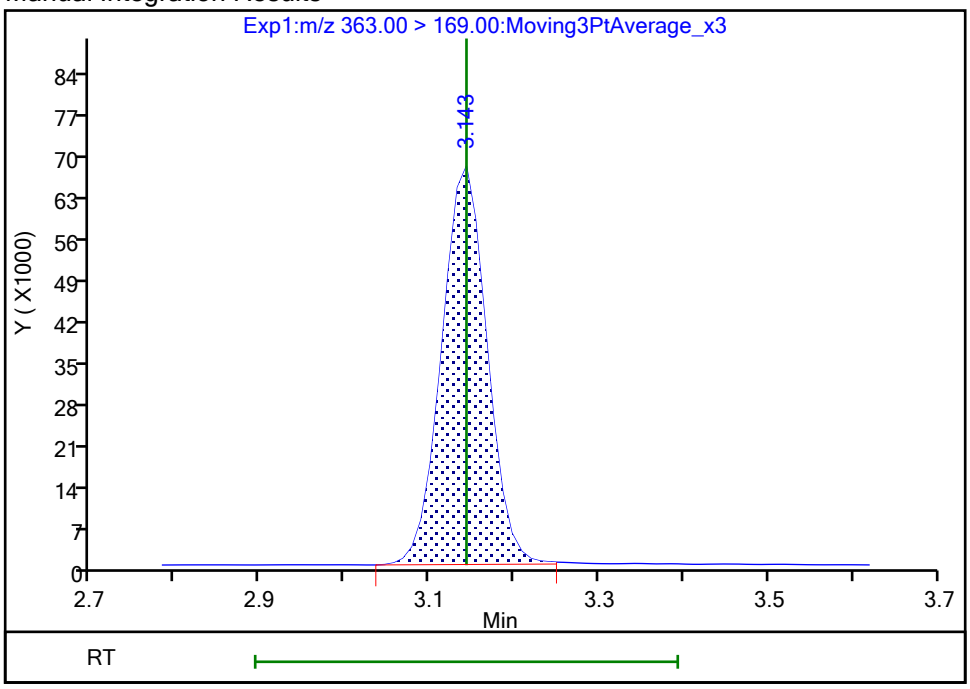
Processing Integration Results

RT: 3.14
Area: 252346
Amount: 1.036652
Amount Units: ng/ml



Manual Integration Results

RT: 3.14
Area: 251171
Amount: 1.034393
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 09:17:31
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

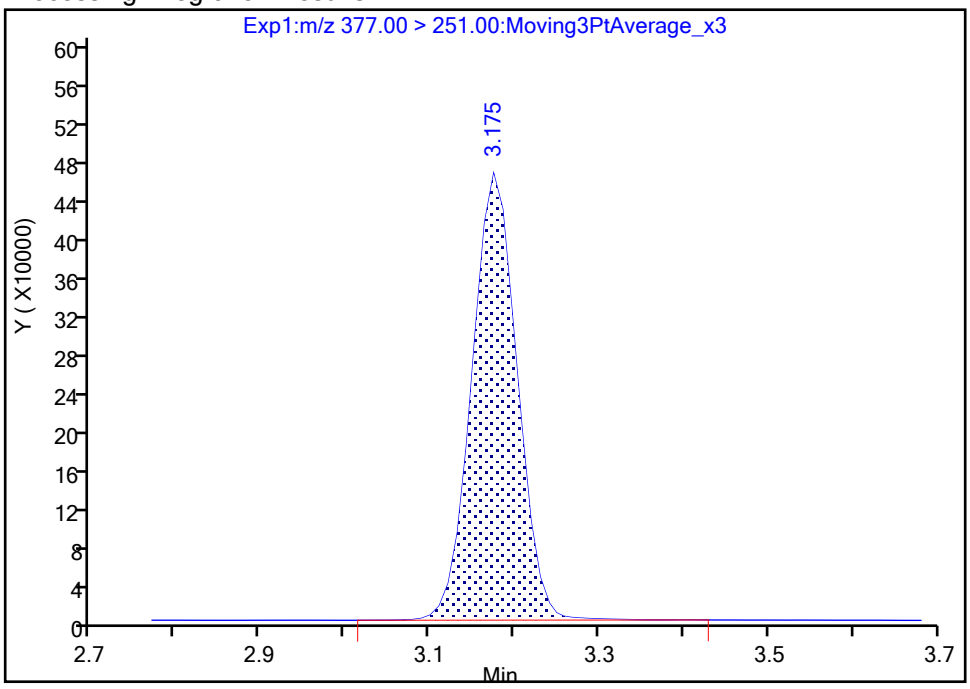
Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A06.d
Injection Date: 03-Mar-2021 16:12:33 Instrument ID: LC812
Lims ID: CCVIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

77 DONA, CAS: 919005-14-4

Signal: 1

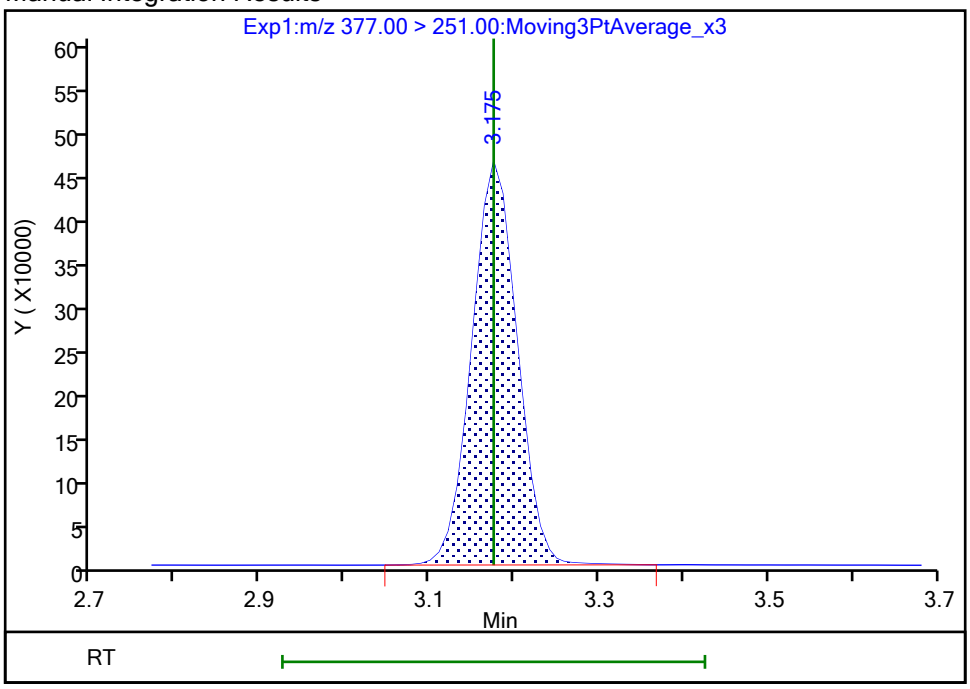
Processing Integration Results

RT: 3.18
Area: 1715260
Amount: 0.974809
Amount Units: ng/ml



Manual Integration Results

RT: 3.18
Area: 1713512
Amount: 0.973816
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 09:18:20
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

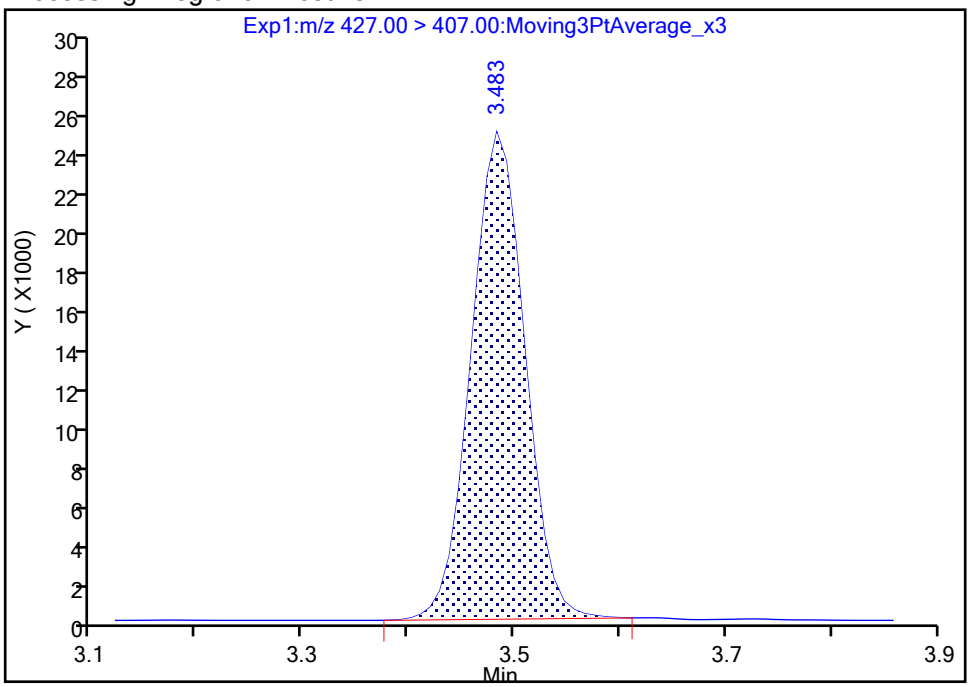
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A06.d				
Injection Date:	03-Mar-2021 16:12:33	Instrument ID:	LC812		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

Signal: 1

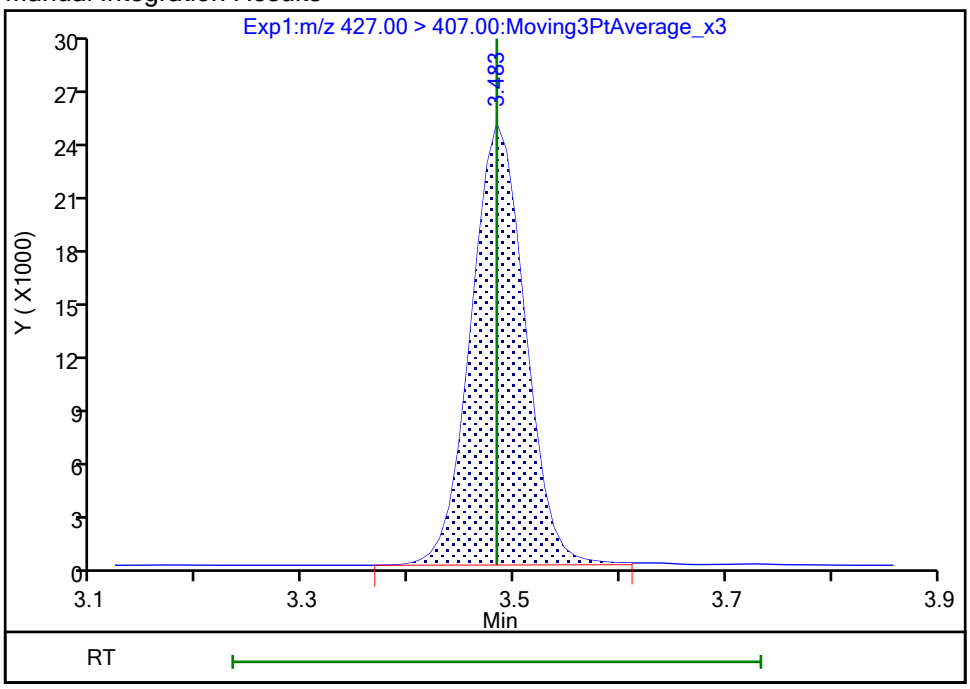
Processing Integration Results

RT: 3.48
Area: 87918
Amount: 0.846759
Amount Units: ng/ml



Manual Integration Results

RT: 3.48
Area: 88584
Amount: 0.853173
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 09:20:53

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

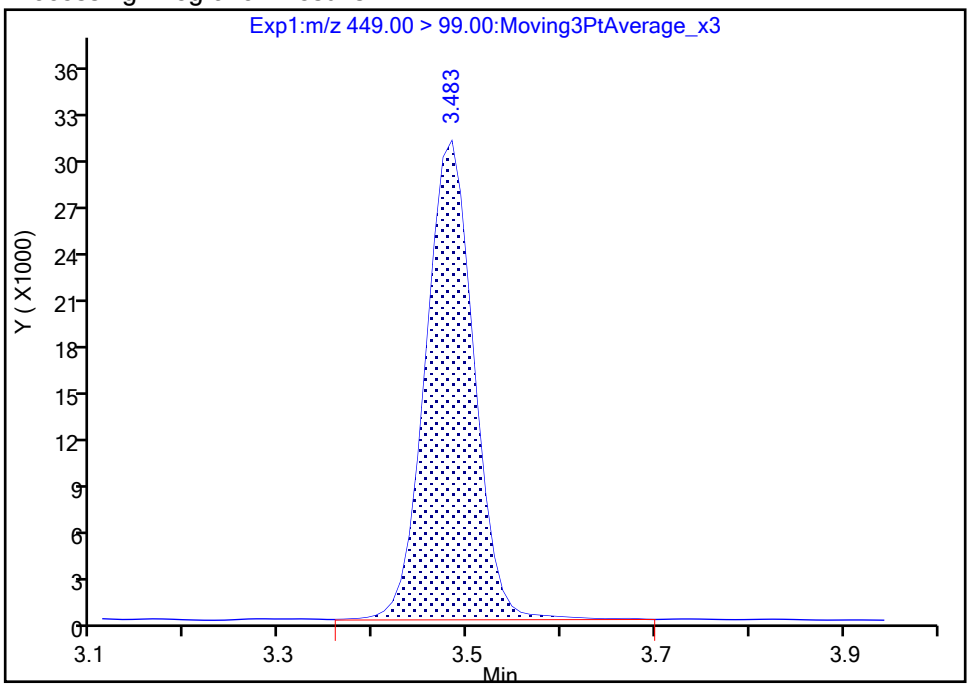
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A06.d				
Injection Date:	03-Mar-2021 16:12:33	Instrument ID:	LC812		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

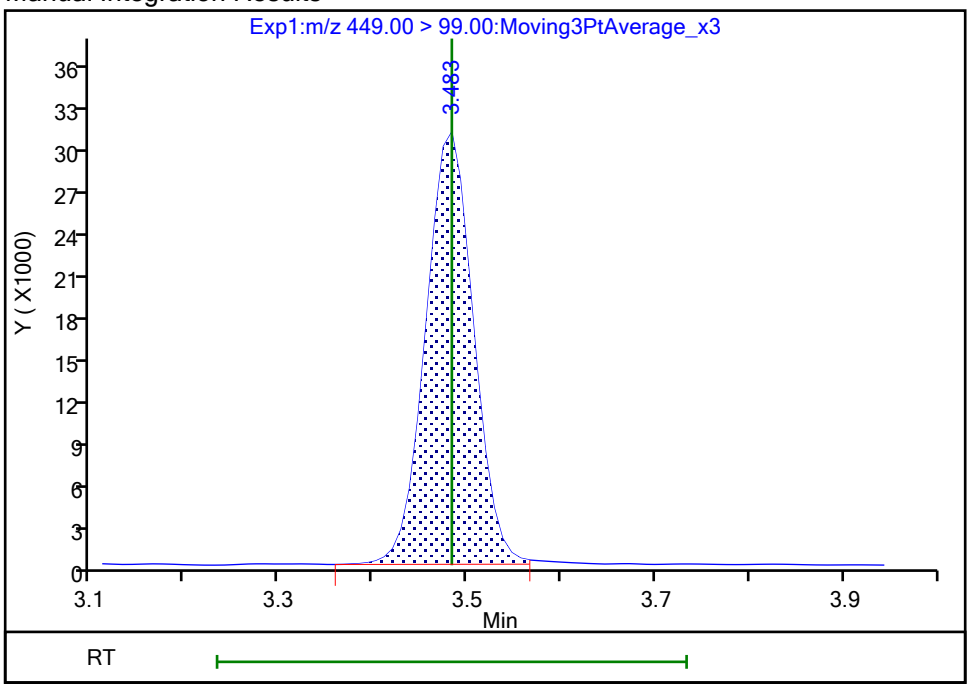
Processing Integration Results

RT: 3.48
Area: 109911
Amount: 0.974486
Amount Units: ng/ml



Manual Integration Results

RT: 3.48
Area: 108613
Amount: 0.971489
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 09:19:13
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

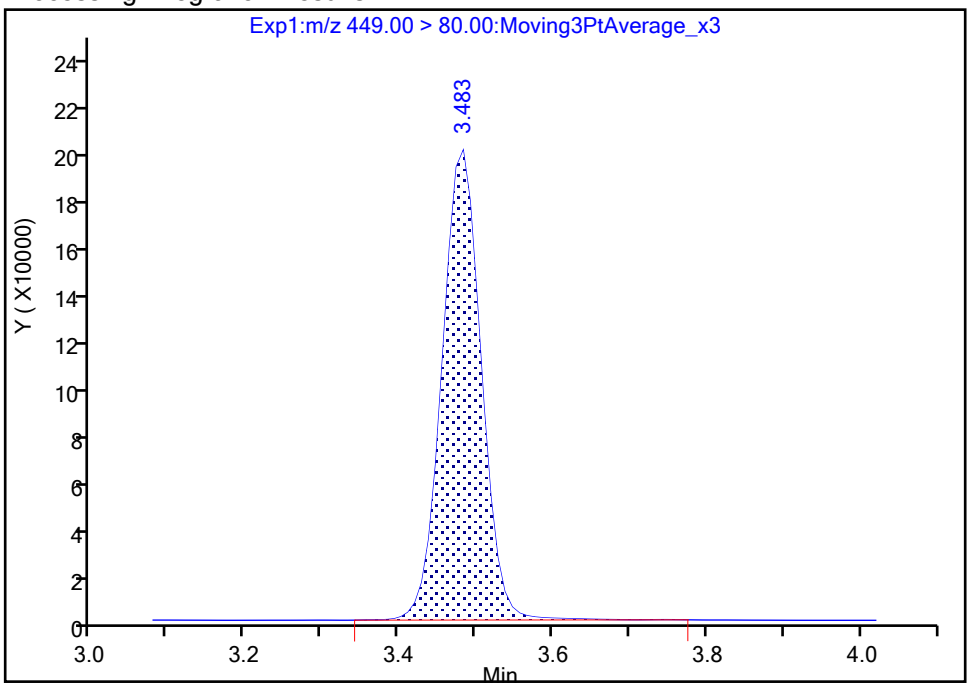
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A06.d				
Injection Date:	03-Mar-2021 16:12:33	Instrument ID:	LC812		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

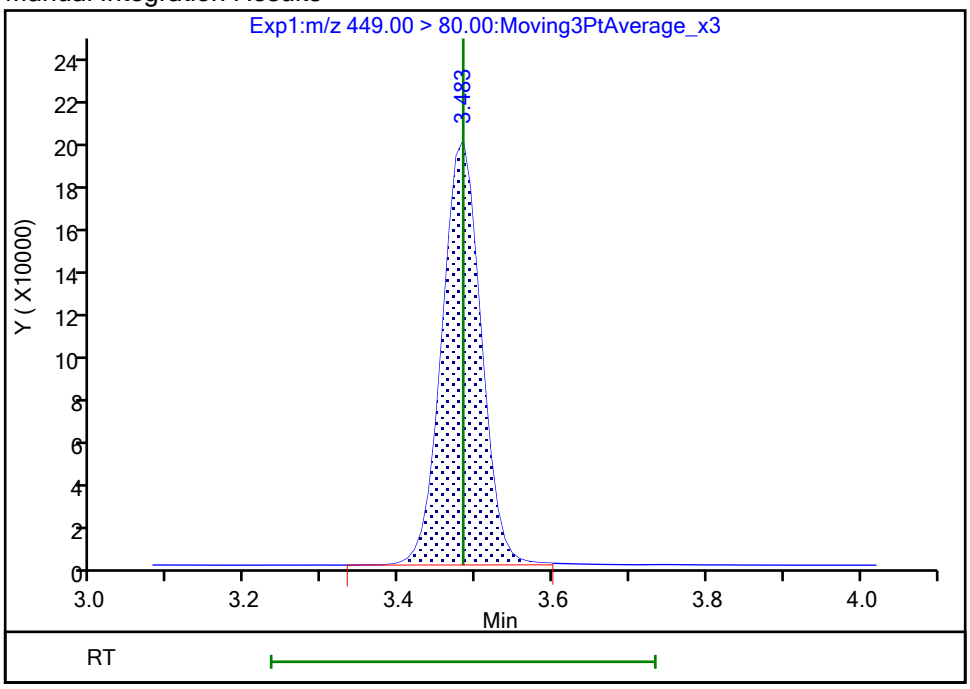
Processing Integration Results

RT: 3.48
Area: 691384
Amount: 0.974486
Amount Units: ng/ml



Manual Integration Results

RT: 3.48
Area: 689258
Amount: 0.971489
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 09:20:22
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

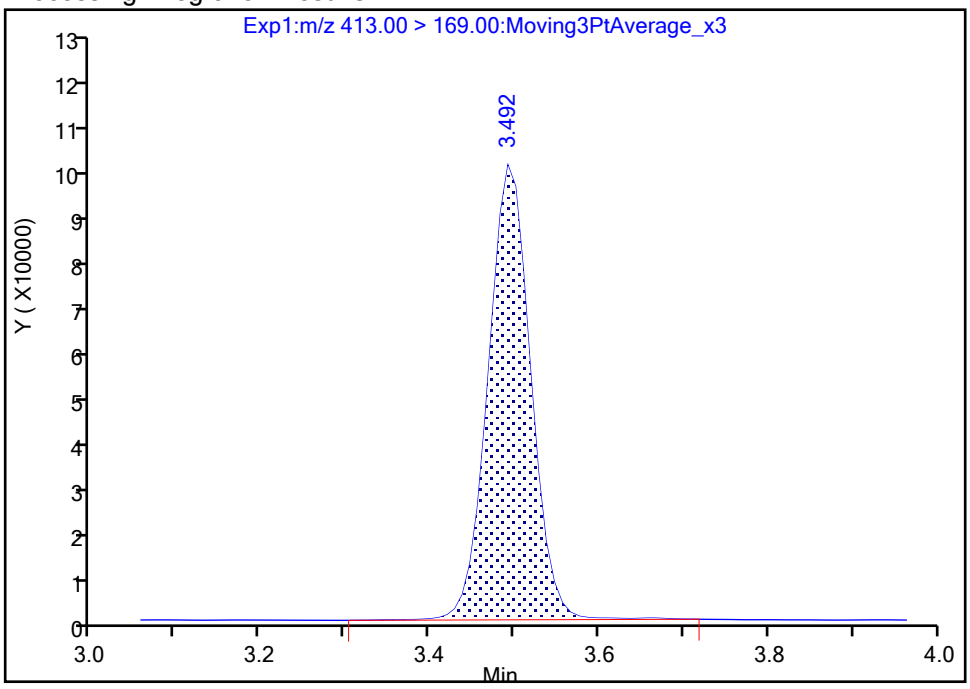
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A06.d				
Injection Date:	03-Mar-2021 16:12:33	Instrument ID:	LC812		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

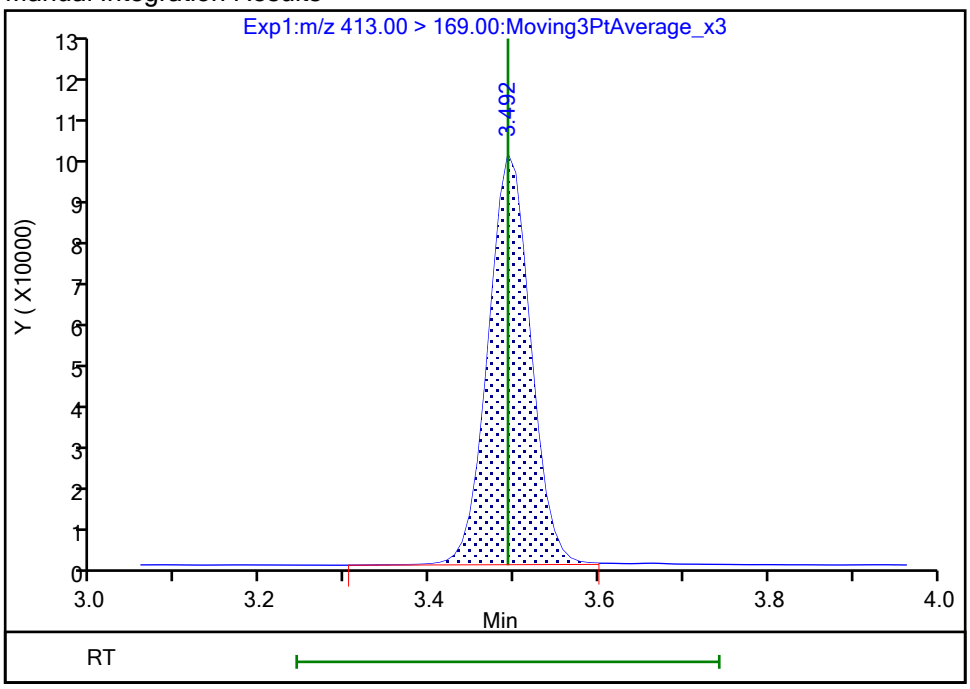
Processing Integration Results

RT: 3.49
Area: 349968
Amount: 1.059569
Amount Units: ng/ml



Manual Integration Results

RT: 3.49
Area: 348424
Amount: 1.061796
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 09:21:44

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

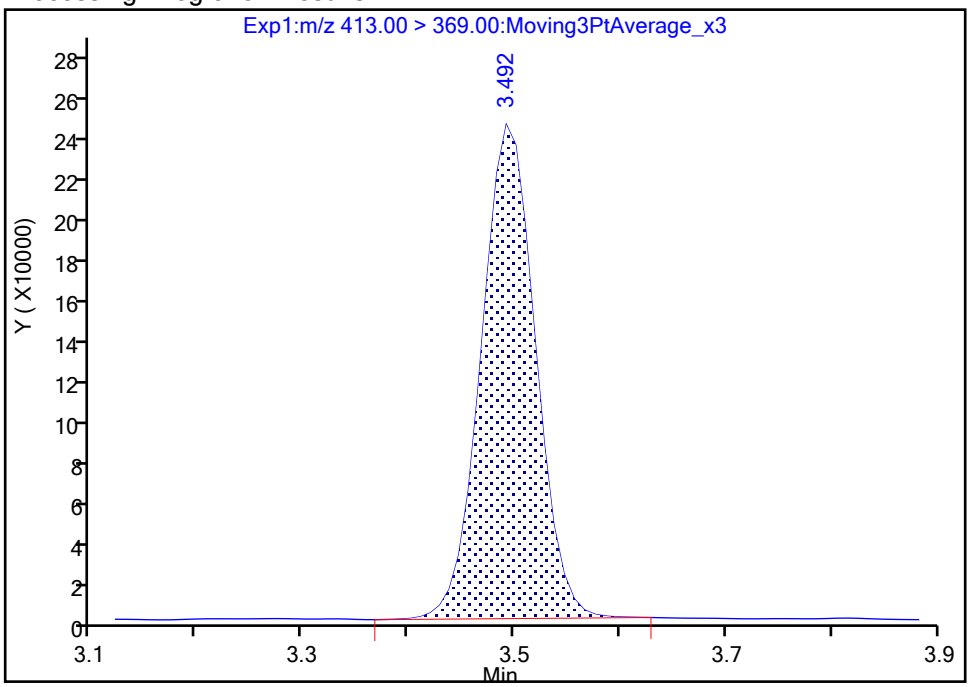
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A06.d				
Injection Date:	03-Mar-2021 16:12:33	Instrument ID:	LC812		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

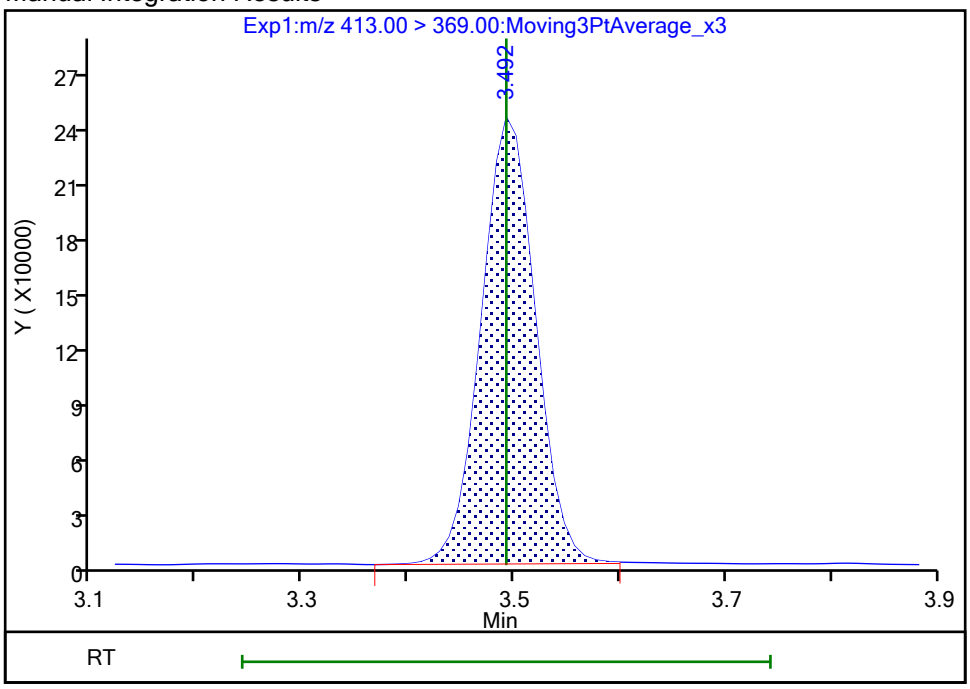
Processing Integration Results

RT: 3.49
Area: 873277
Amount: 1.059569
Amount Units: ng/ml



Manual Integration Results

RT: 3.49
Area: 875112
Amount: 1.061796
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 09:22:16
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

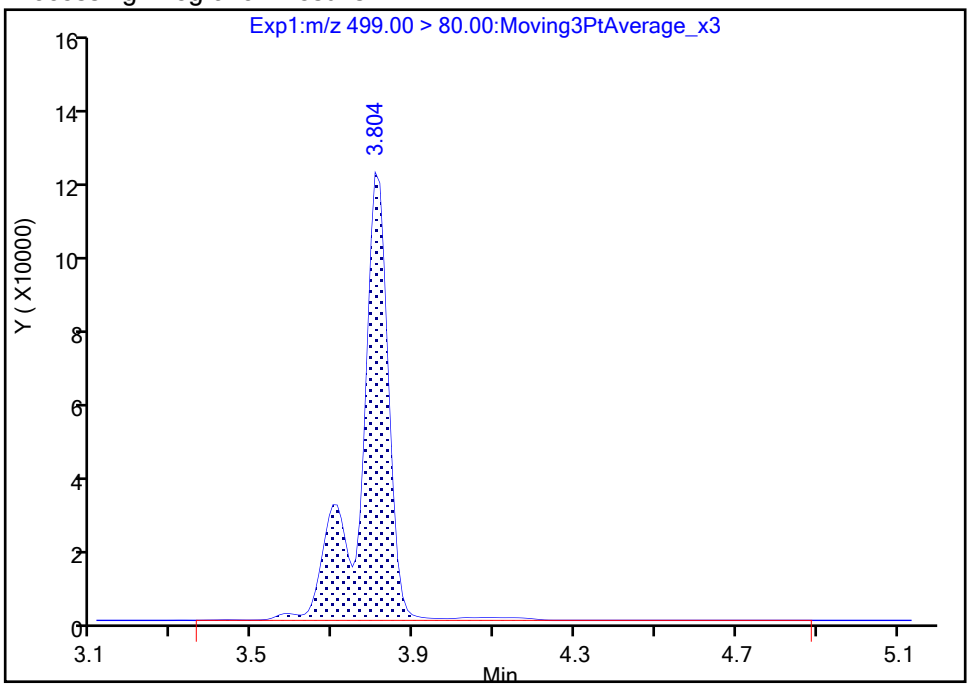
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A06.d				
Injection Date:	03-Mar-2021 16:12:33	Instrument ID:	LC812		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

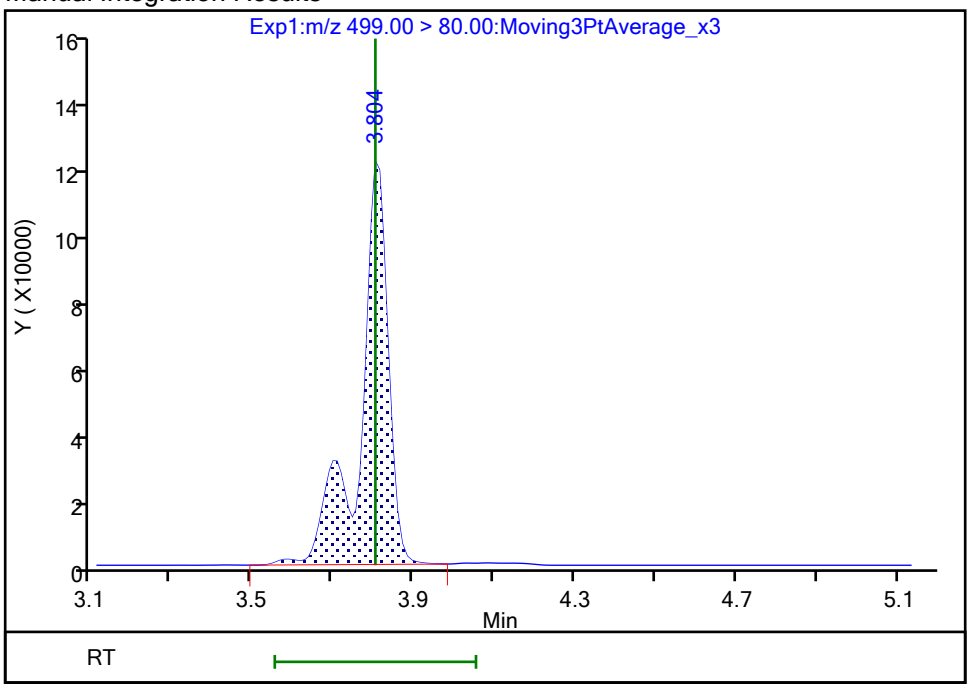
Processing Integration Results

RT: 3.80
Area: 585596
Amount: 0.968965
Amount Units: ng/ml



Manual Integration Results

RT: 3.80
Area: 572045
Amount: 0.946543
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 09:25:43

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

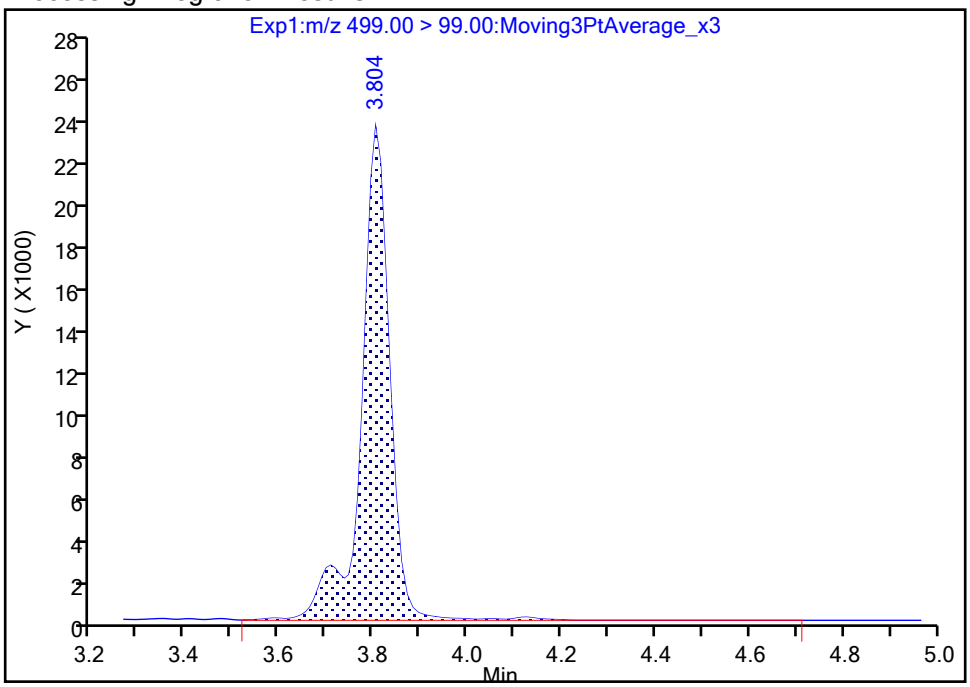
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A06.d				
Injection Date:	03-Mar-2021 16:12:33	Instrument ID:	LC812		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

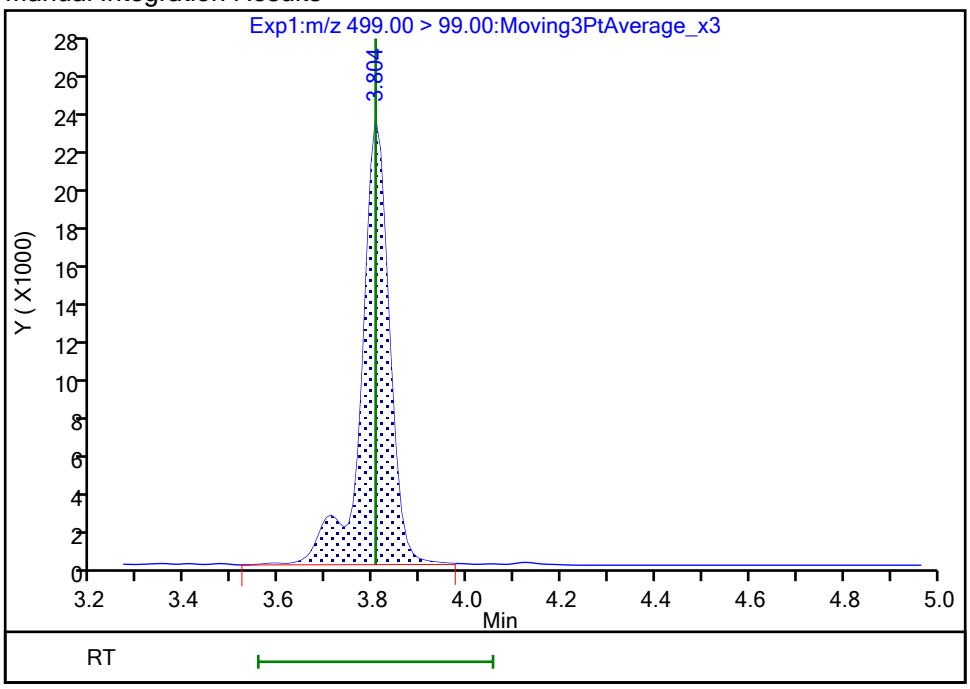
Processing Integration Results

RT: 3.80
Area: 99933
Amount: 0.968965
Amount Units: ng/ml



Manual Integration Results

RT: 3.80
Area: 98221
Amount: 0.946543
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 09:26:00

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

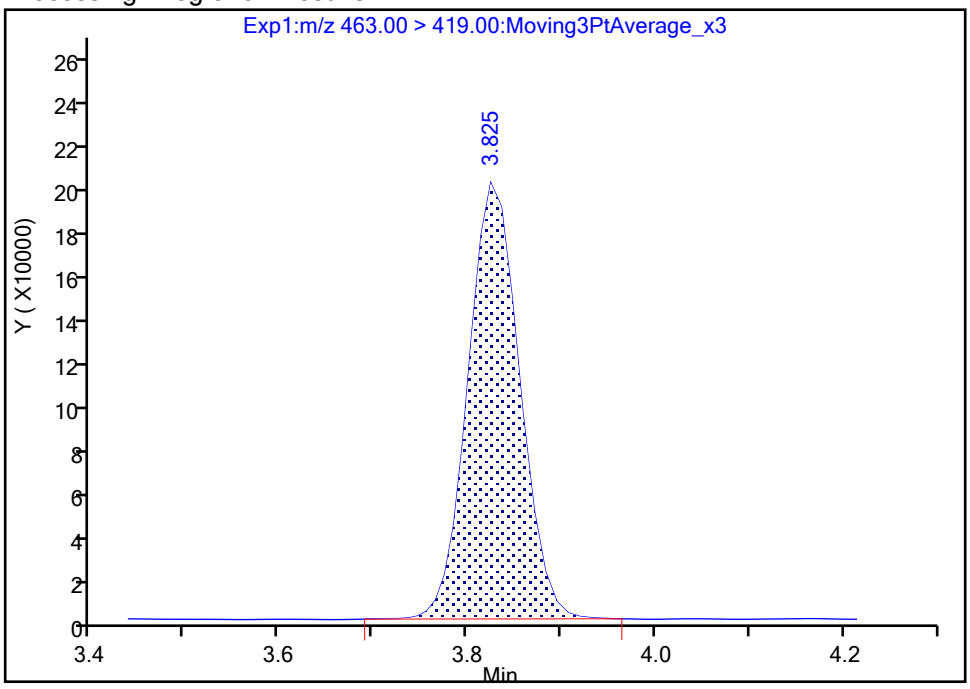
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Injection Date:	03-Mar-2021 16:12:33	Instrument ID:	LC812		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

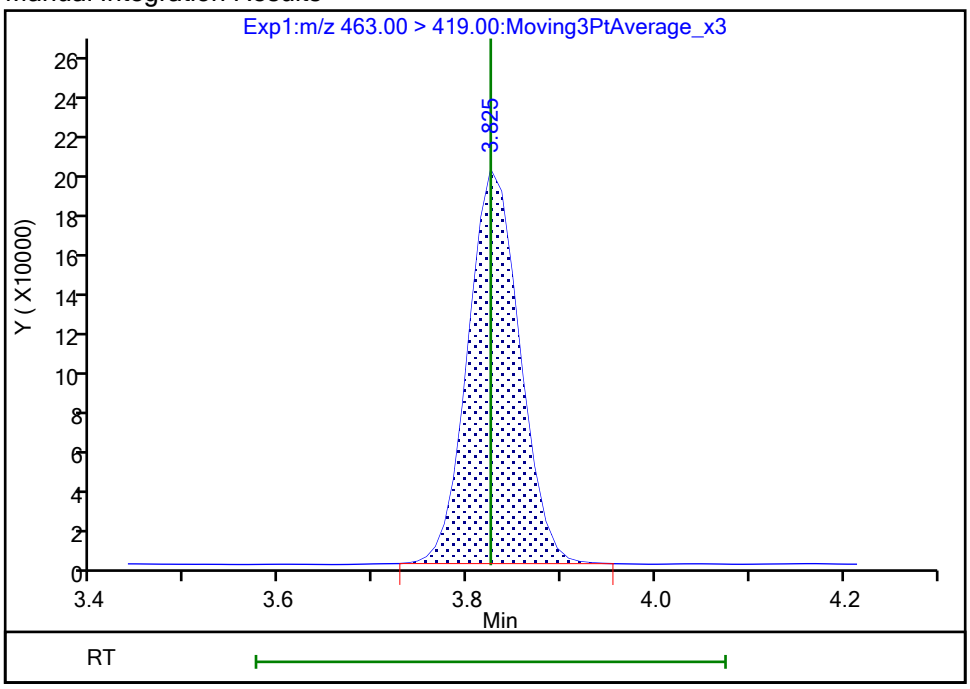
Processing Integration Results

RT: 3.82
Area: 741335
Amount: 0.961050
Amount Units: ng/ml



Manual Integration Results

RT: 3.82
Area: 738819
Amount: 0.957788
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 09:26:37

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

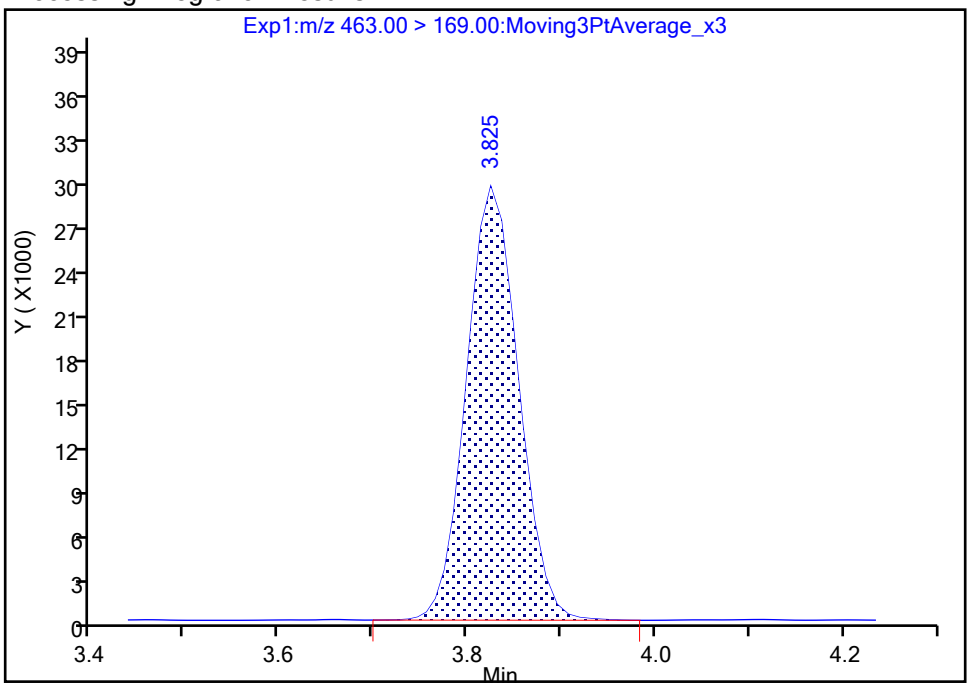
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A06.d				
Injection Date:	03-Mar-2021 16:12:33	Instrument ID:	LC812		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

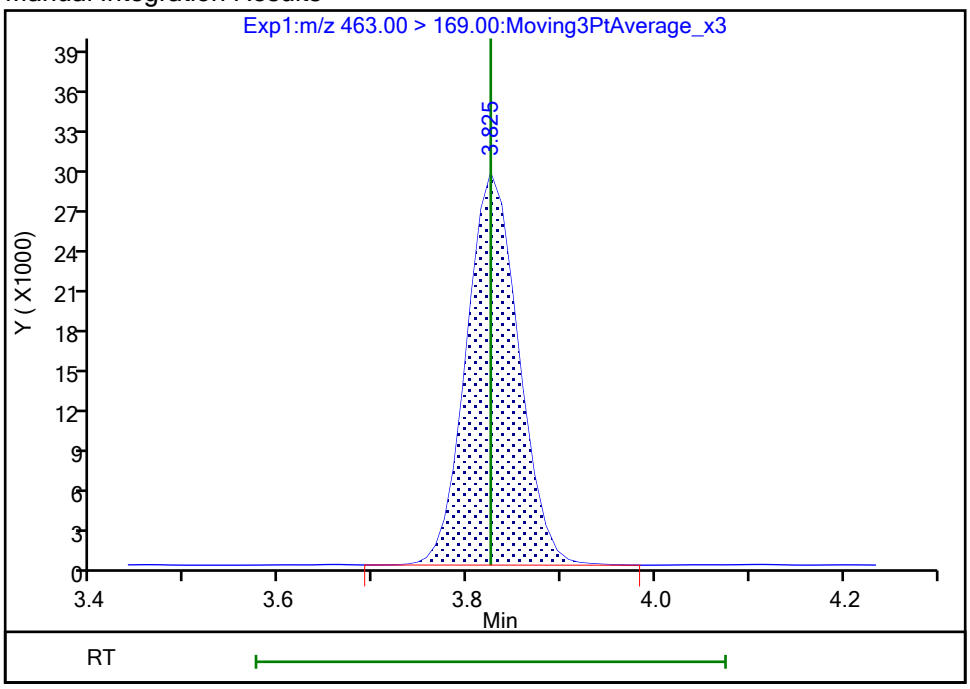
Processing Integration Results

RT: 3.82
Area: 114319
Amount: 0.961050
Amount Units: ng/ml



Manual Integration Results

RT: 3.82
Area: 114340
Amount: 0.957788
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 09:26:54
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

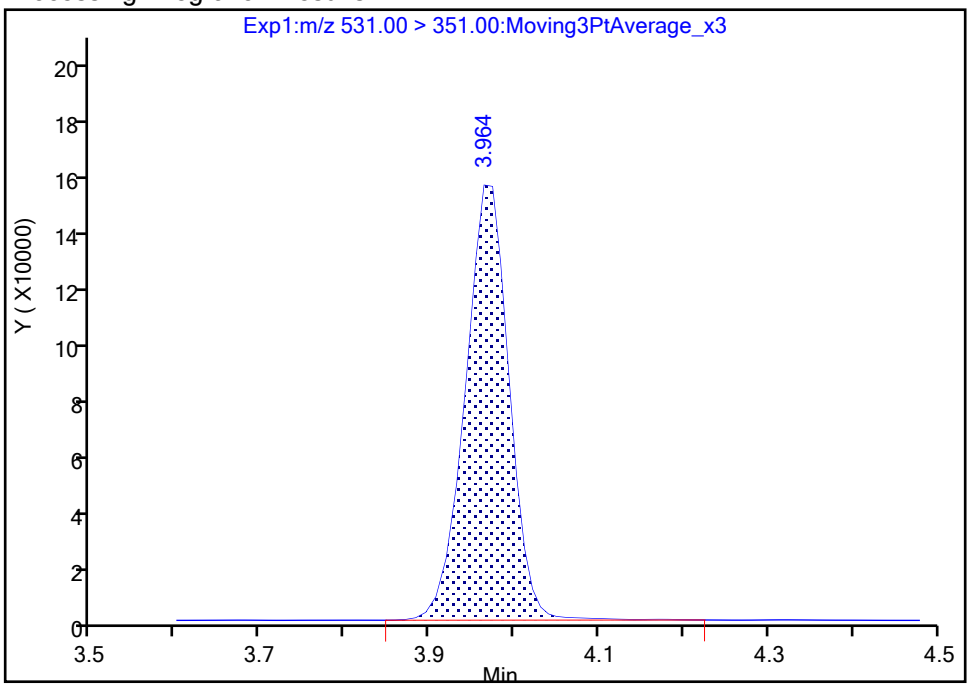
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A06.d				
Injection Date:	03-Mar-2021 16:12:33	Instrument ID:	LC812		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

69 9-Chlorohexadecafluoro-3-oxanona, CAS: 756426-58-1

Signal: 1

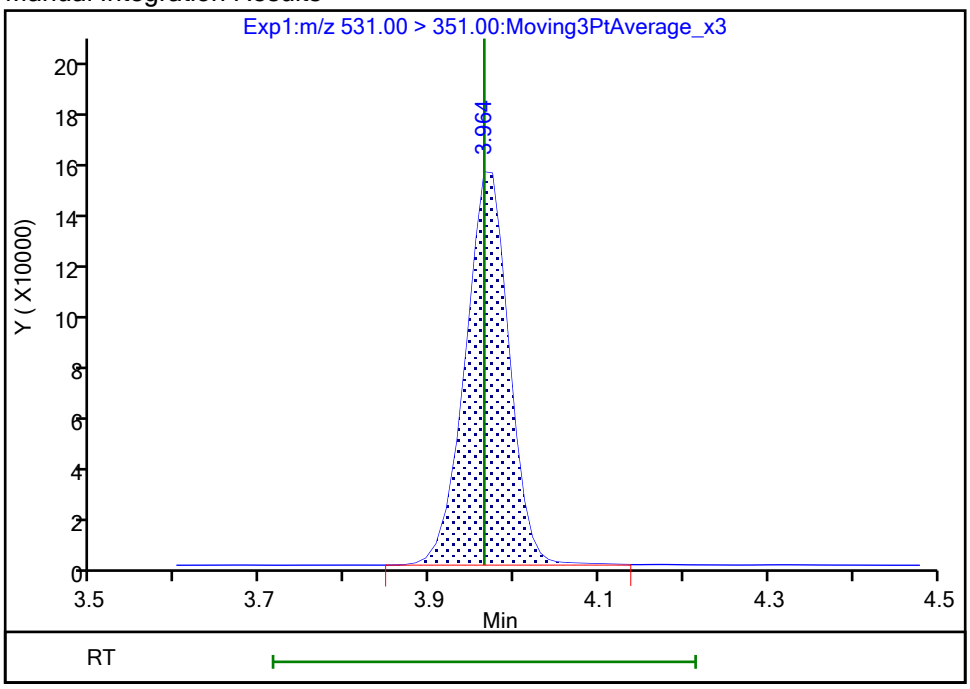
Processing Integration Results

RT: 3.96
Area: 543451
Amount: 0.805952
Amount Units: ng/ml



Manual Integration Results

RT: 3.96
Area: 543350
Amount: 0.805802
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 09:27:05

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

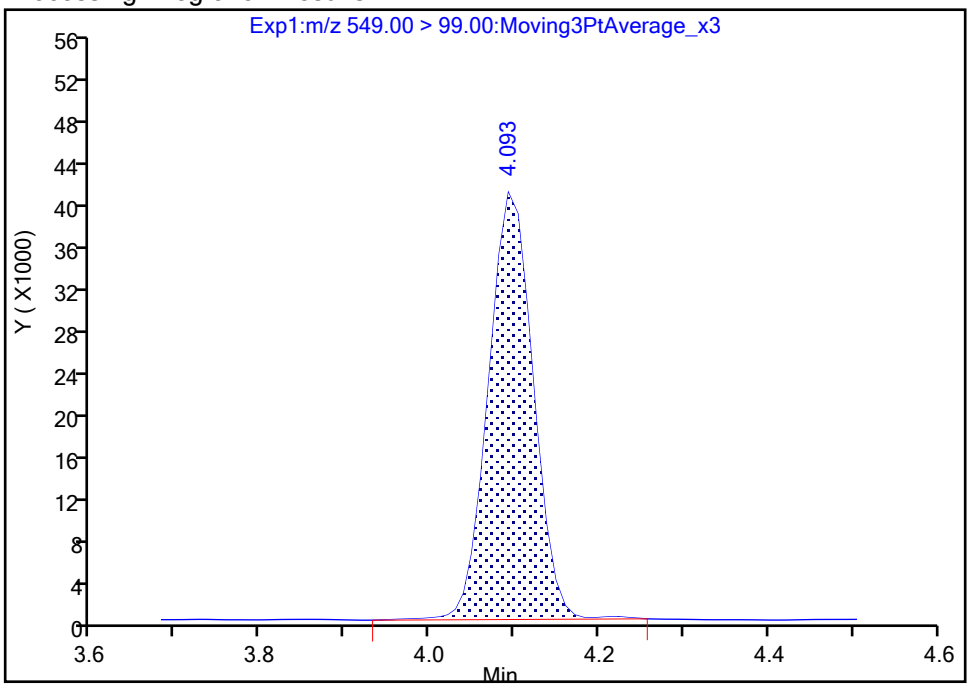
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A06.d				
Injection Date:	03-Mar-2021 16:12:33	Instrument ID:	LC812		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

68 Perfluorononanesulfonic acid, CAS: 68259-12-1

Signal: 2

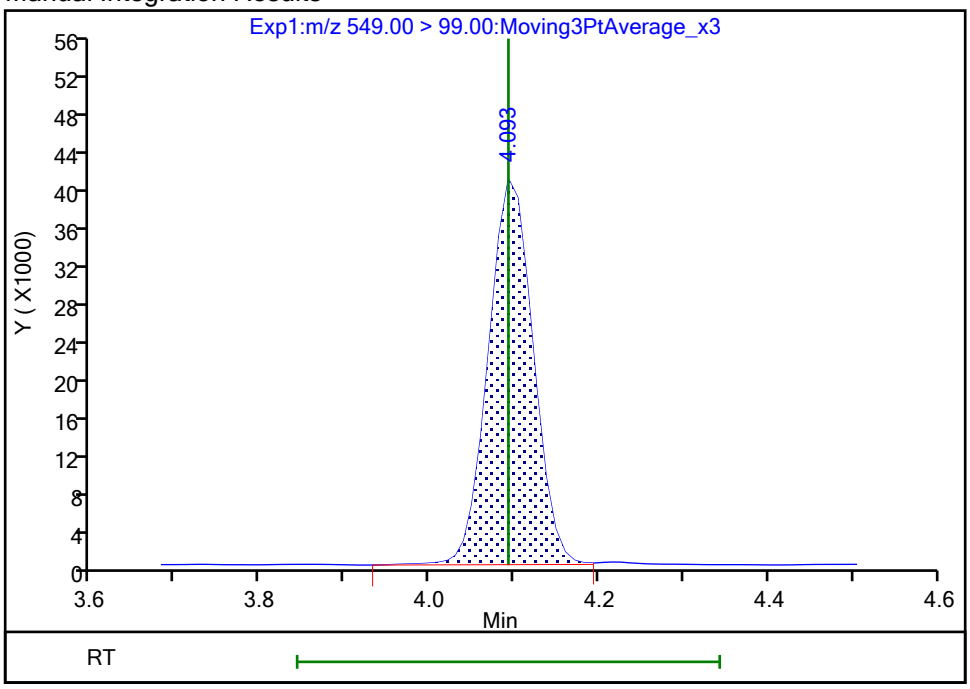
Processing Integration Results

RT: 4.09
Area: 150531
Amount: 0.992967
Amount Units: ng/ml



Manual Integration Results

RT: 4.09
Area: 150262
Amount: 0.992967
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 09:28:29

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

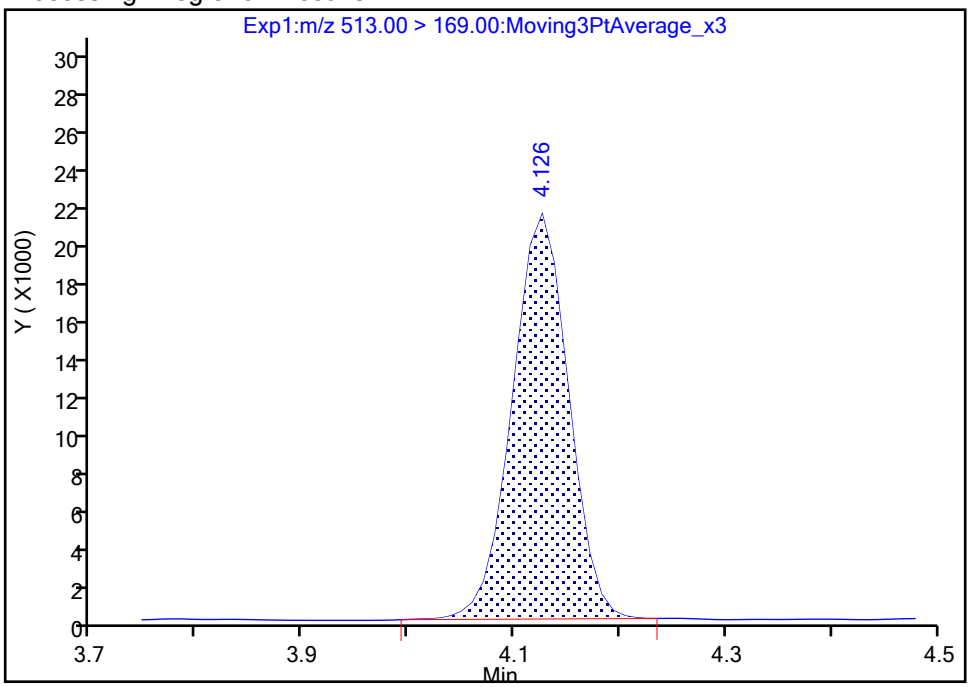
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A06.d				
Injection Date:	03-Mar-2021 16:12:33	Instrument ID:	LC812		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

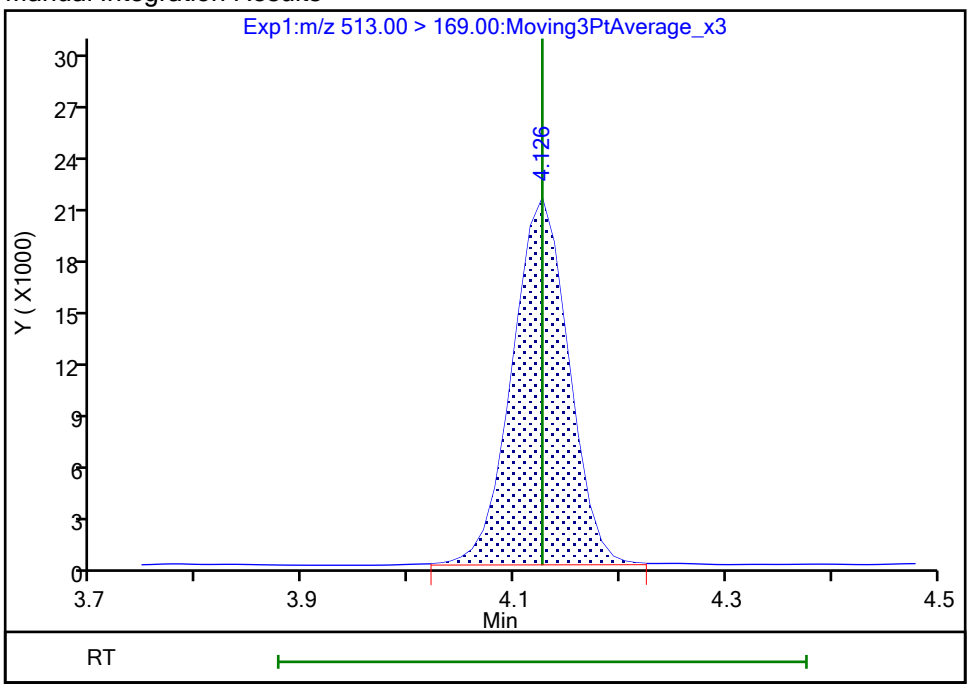
Processing Integration Results

RT: 4.13
Area: 78588
Amount: 1.064213
Amount Units: ng/ml



Manual Integration Results

RT: 4.13
Area: 79147
Amount: 1.064213
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 09:29:49

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

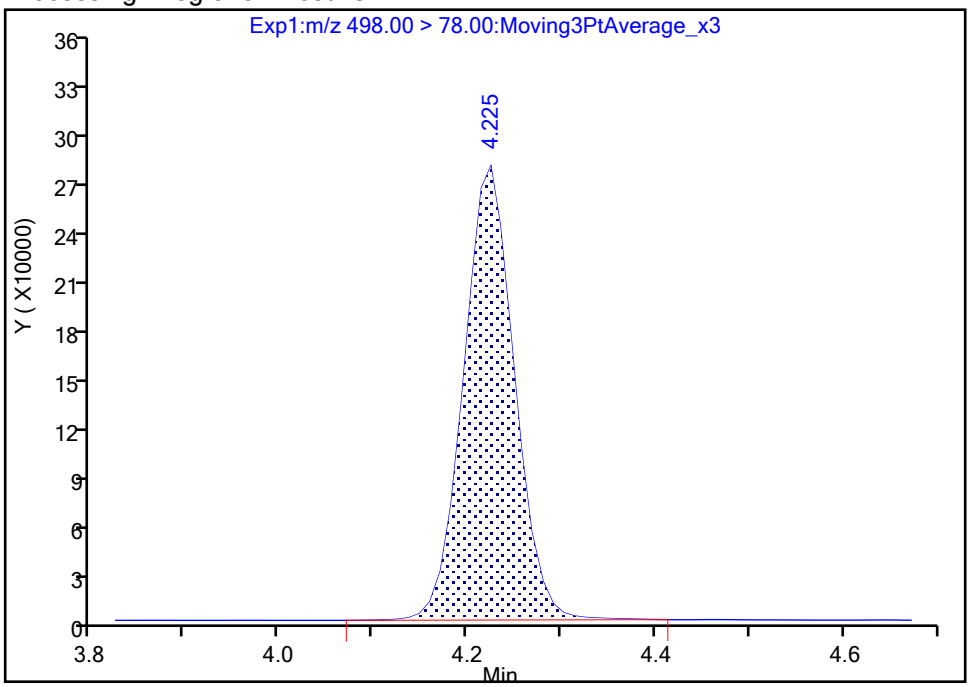
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Injection Date:	03-Mar-2021 16:12:33	Instrument ID:	LC812		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

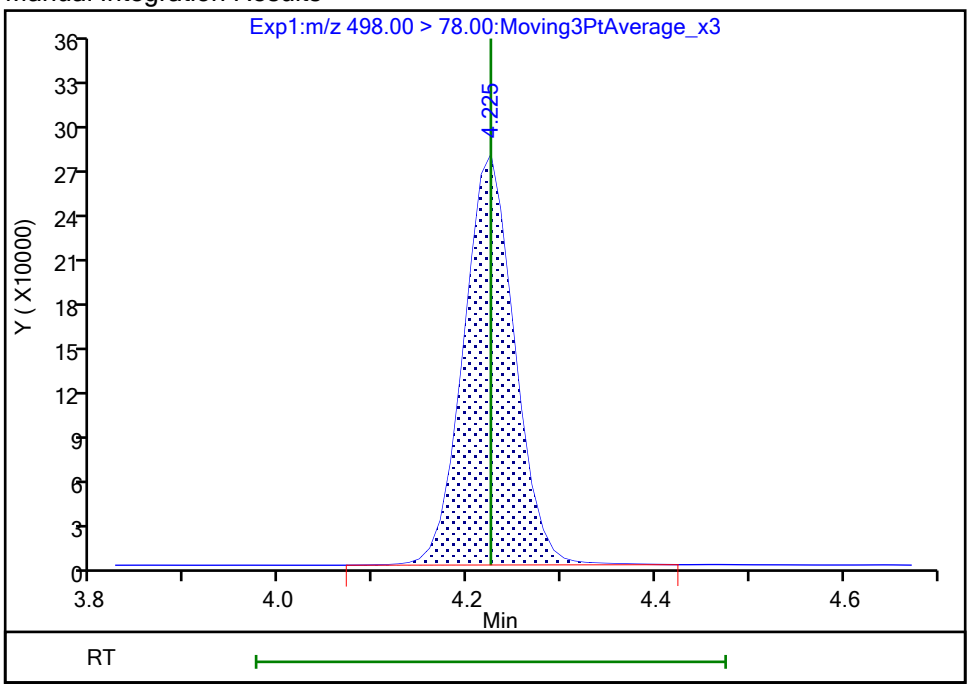
Processing Integration Results

RT: 4.22
Area: 1036287
Amount: 1.056476
Amount Units: ng/ml



Manual Integration Results

RT: 4.22
Area: 1037094
Amount: 1.057298
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 09:30:19
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

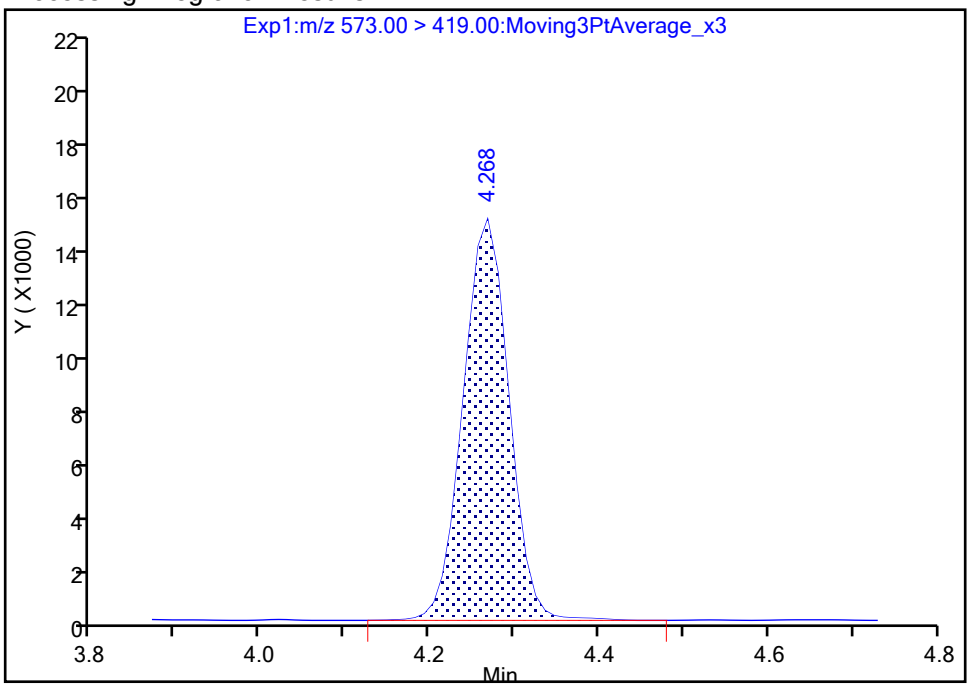
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A06.d				
Injection Date:	03-Mar-2021 16:12:33	Instrument ID:	LC812		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

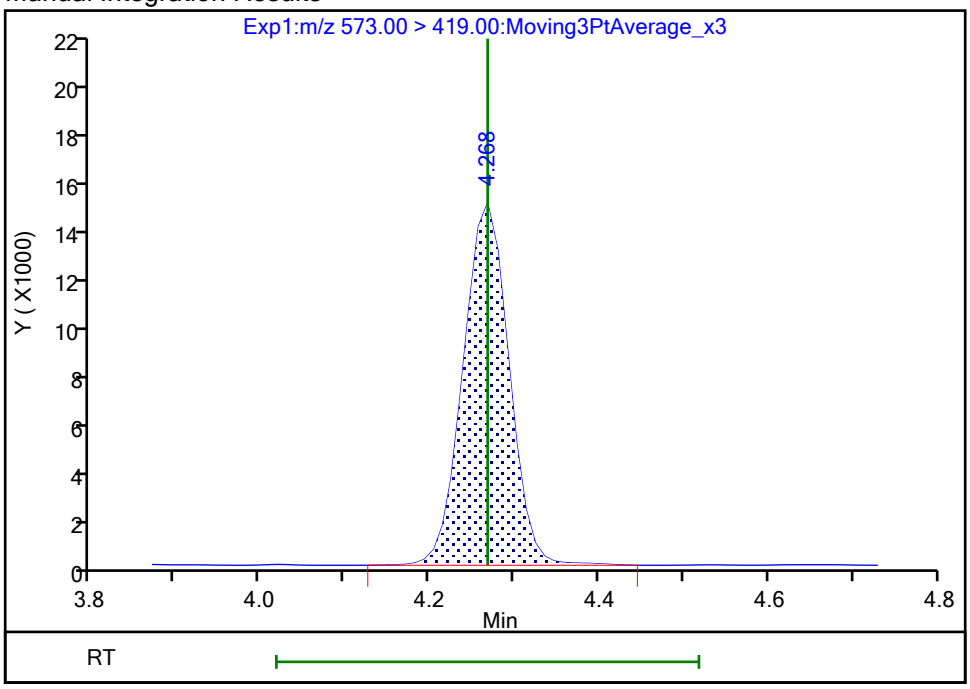
Processing Integration Results

RT: 4.27
Area: 54670
Amount: 1.050115
Amount Units: ng/ml



Manual Integration Results

RT: 4.27
Area: 54670
Amount: 1.052508
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 09:06:25

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

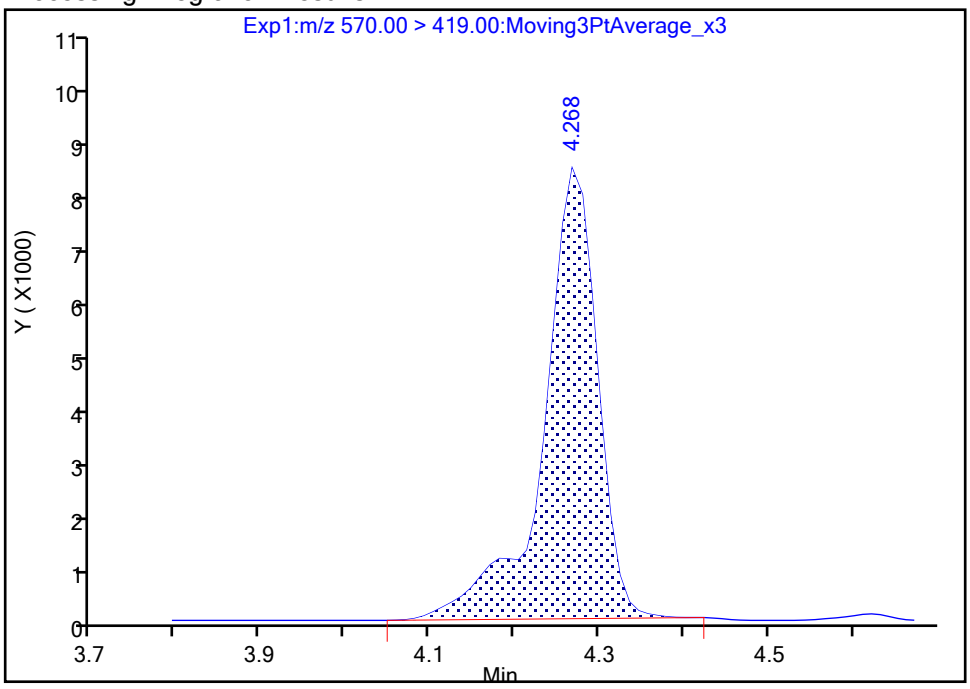
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A06.d				
Injection Date:	03-Mar-2021 16:12:33	Instrument ID:	LC812		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

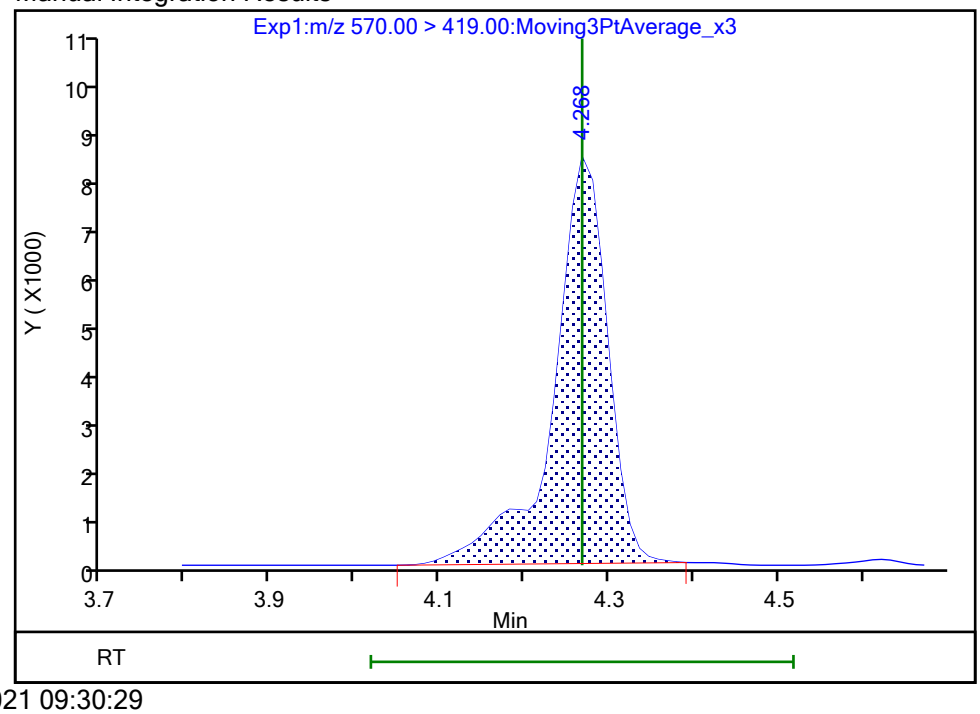
Processing Integration Results

RT: 4.27
Area: 36476
Amount: 0.940924
Amount Units: ng/ml



Manual Integration Results

RT: 4.27
Area: 36404
Amount: 0.939067
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 09:30:29

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

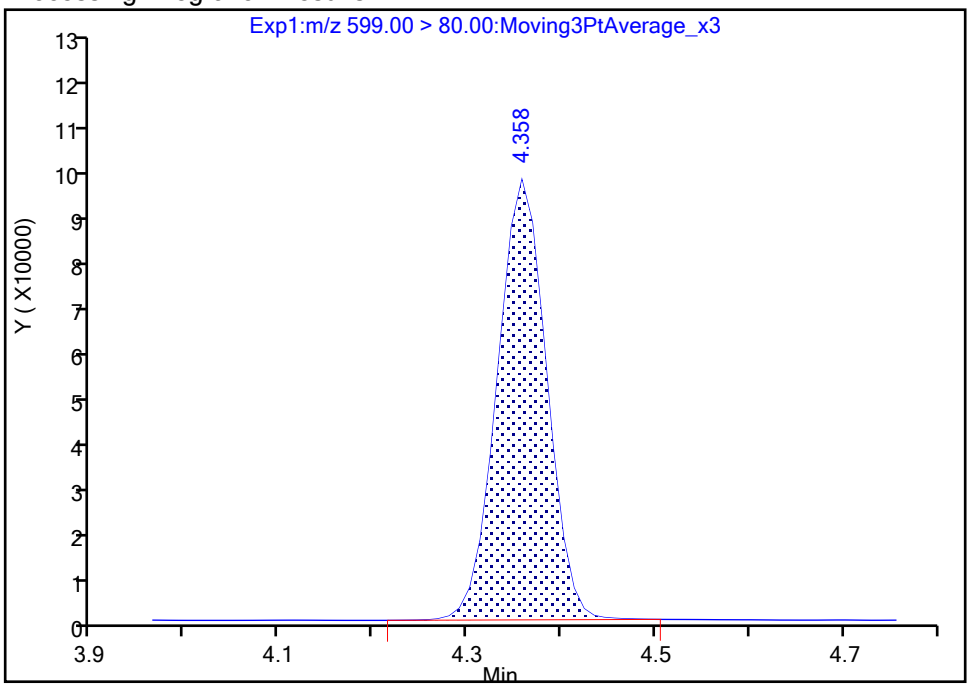
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A06.d				
Injection Date:	03-Mar-2021 16:12:33	Instrument ID:	LC812		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

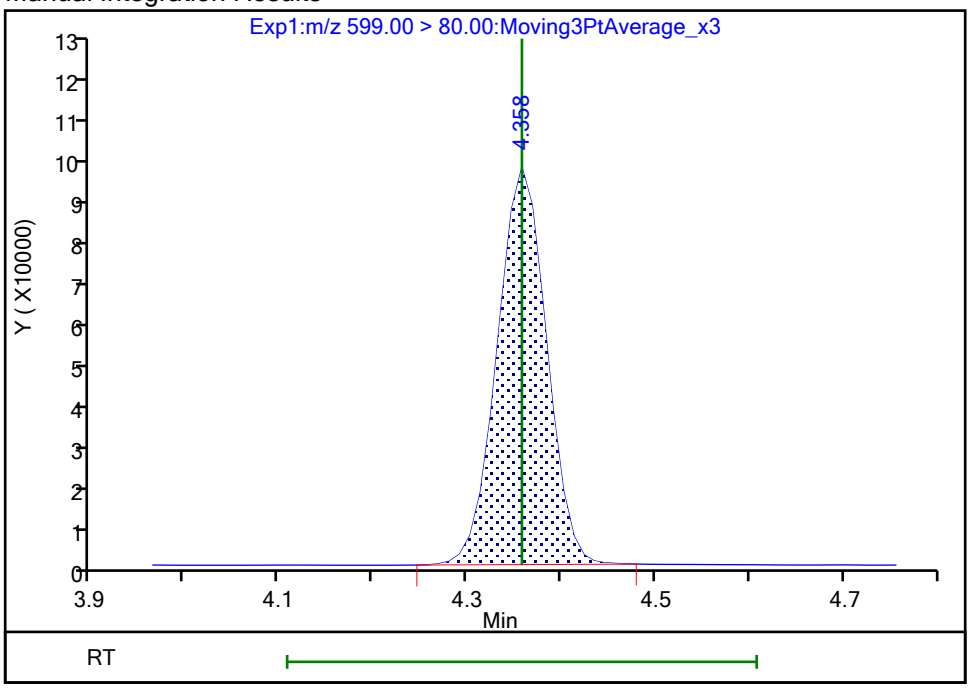
Processing Integration Results

RT: 4.36
Area: 356586
Amount: 0.991978
Amount Units: ng/ml



Manual Integration Results

RT: 4.36
Area: 355741
Amount: 0.989627
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 09:31:04

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

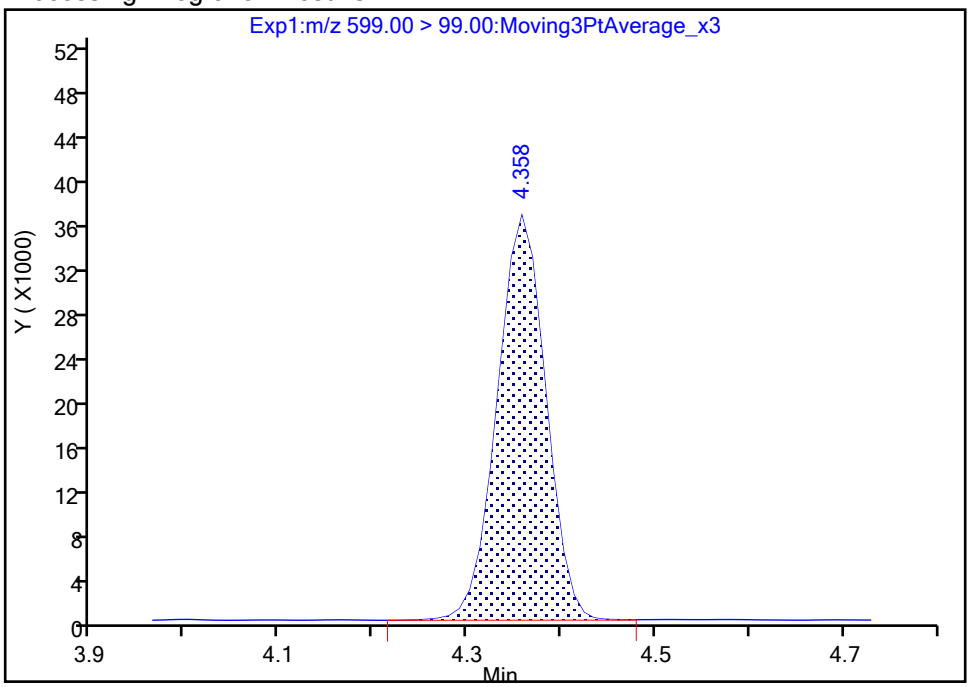
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A06.d				
Injection Date:	03-Mar-2021 16:12:33	Instrument ID:	LC812		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

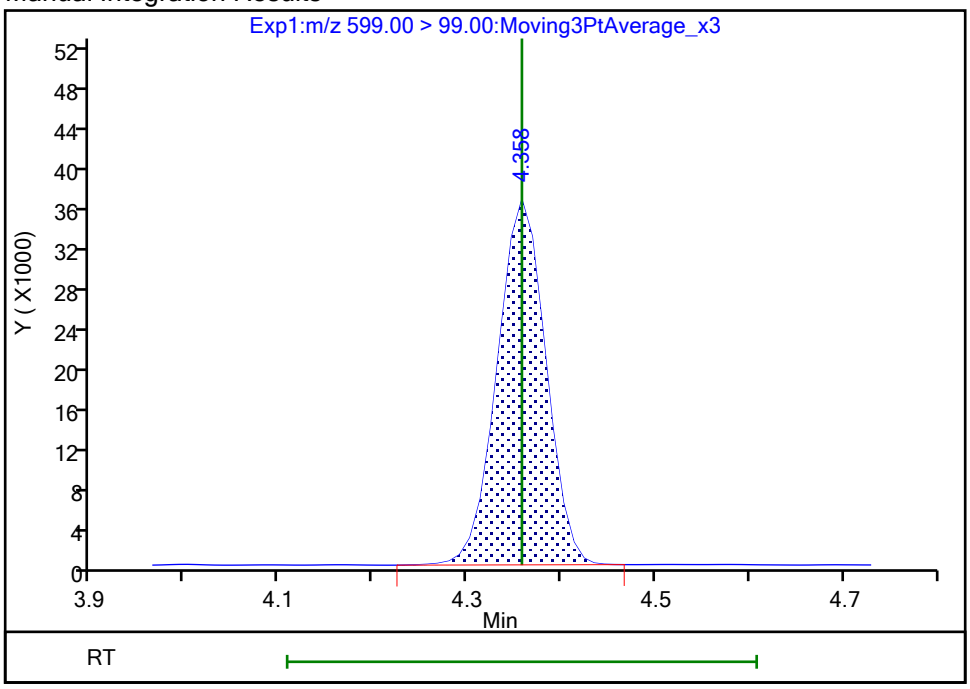
Processing Integration Results

RT: 4.36
Area: 130917
Amount: 0.991978
Amount Units: ng/ml



Manual Integration Results

RT: 4.36
Area: 130596
Amount: 0.989627
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 09:31:22

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

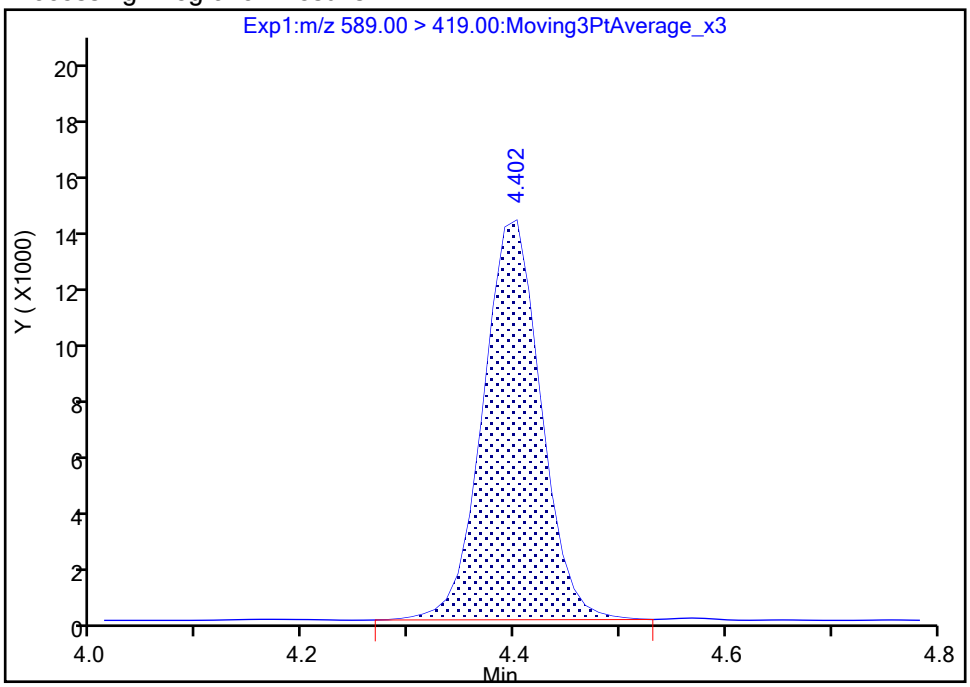
Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A06.d
Injection Date: 03-Mar-2021 16:12:33 Instrument ID: LC812
Lims ID: CCVIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 32 d5-NEtFOSAA, CAS: STL02117

Signal: 1

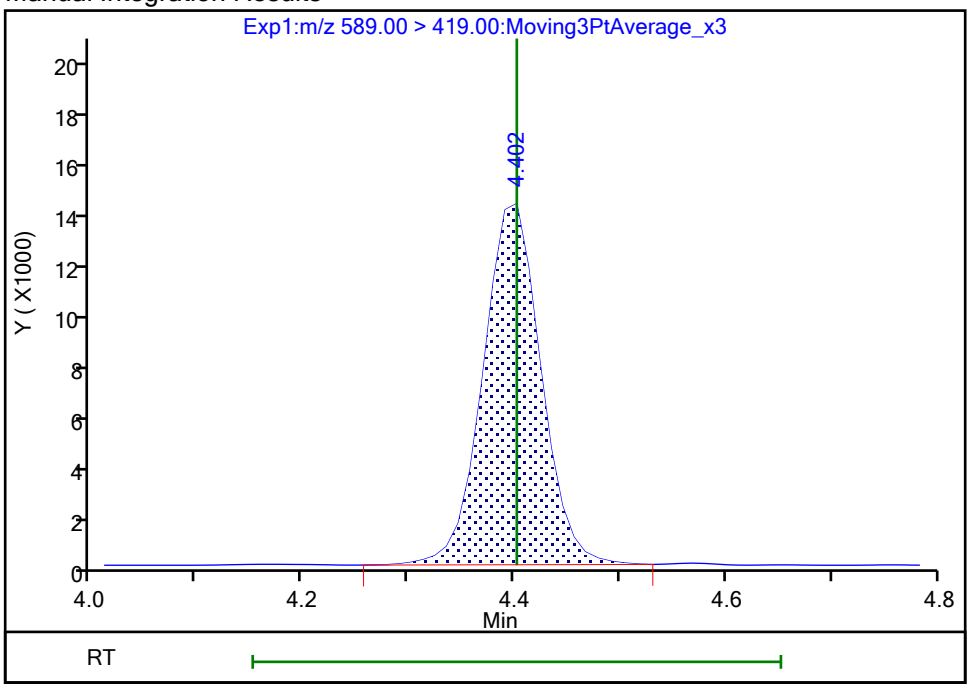
Processing Integration Results

RT: 4.40
Area: 52564
Amount: 1.044482
Amount Units: ng/ml



Manual Integration Results

RT: 4.40
Area: 52606
Amount: 1.047698
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 09:06:44
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

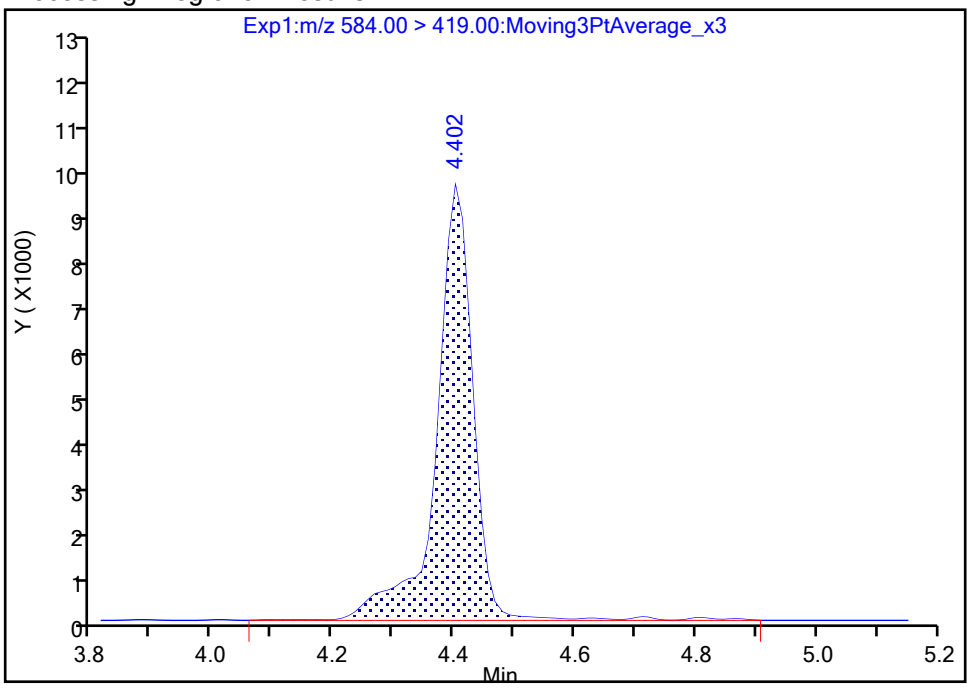
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A06.d				
Injection Date:	03-Mar-2021 16:12:33	Instrument ID:	LC812		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

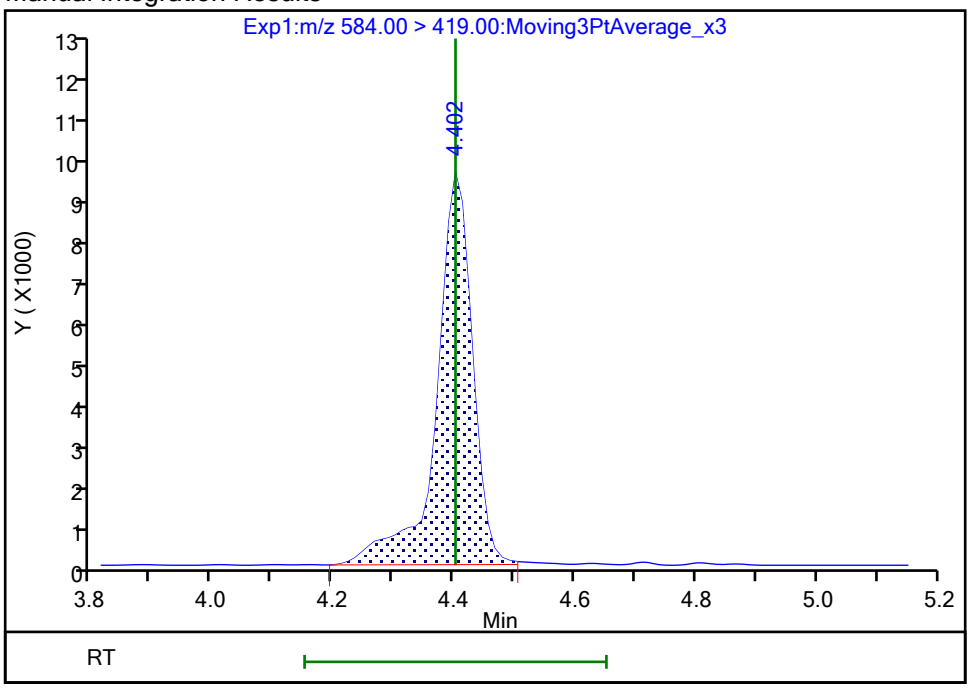
Processing Integration Results

RT: 4.40
Area: 39322
Amount: 1.009347
Amount Units: ng/ml



Manual Integration Results

RT: 4.40
Area: 38205
Amount: 0.980675
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 09:32:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

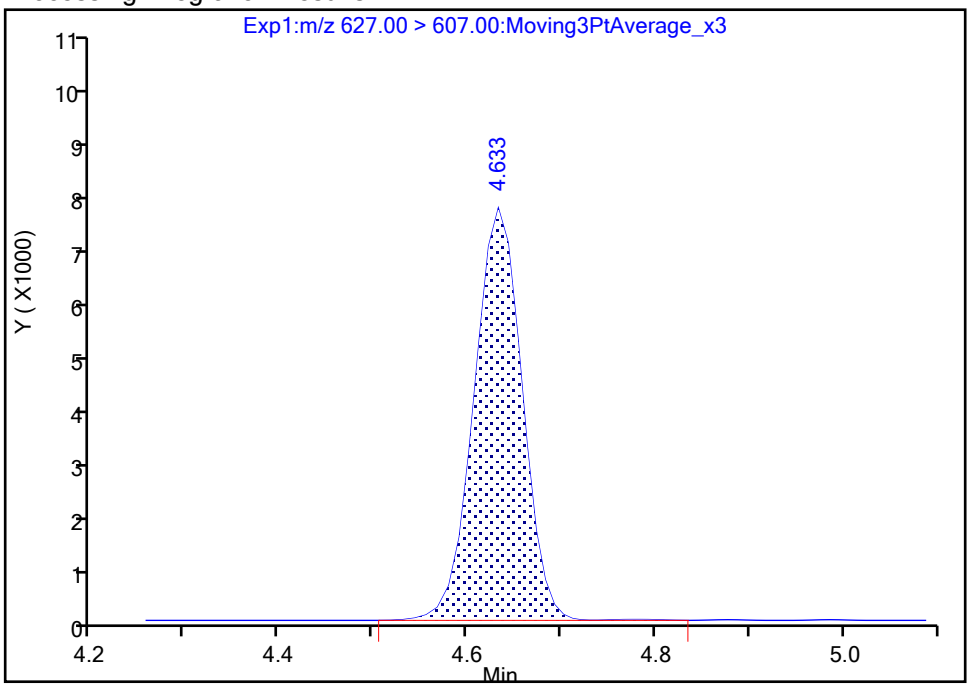
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A06.d				
Injection Date:	03-Mar-2021 16:12:33	Instrument ID:	LC812		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

74 1H,1H,2H,2H-perfluorododecanesul, CAS: 120226-60-0

Signal: 1

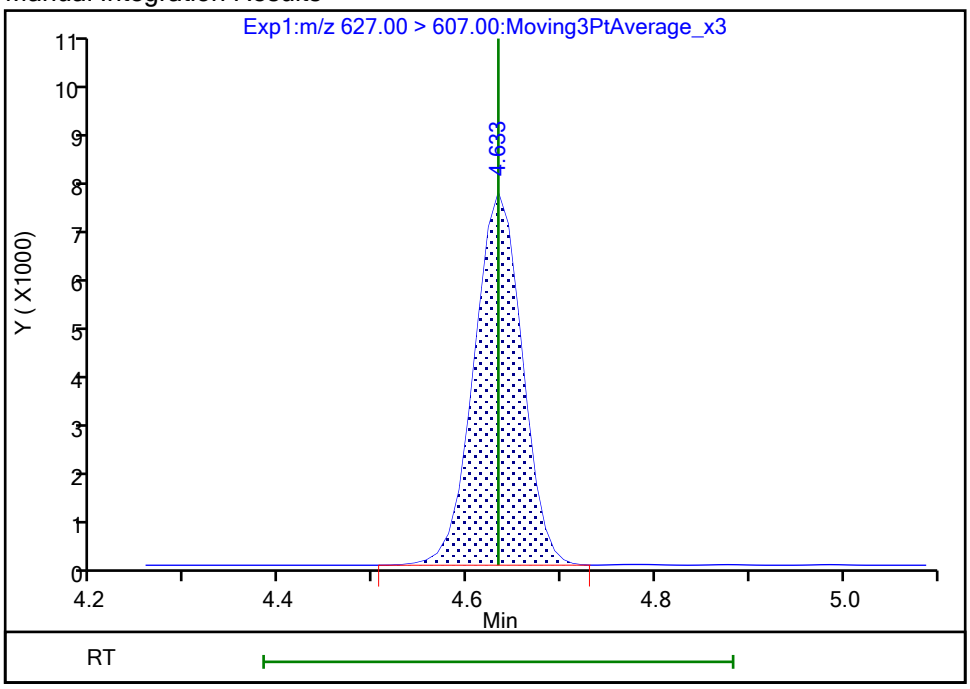
Processing Integration Results

RT: 4.63
Area: 27501
Amount: 0.820296
Amount Units: ng/ml



Manual Integration Results

RT: 4.63
Area: 27432
Amount: 0.818238
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 09:32:40

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

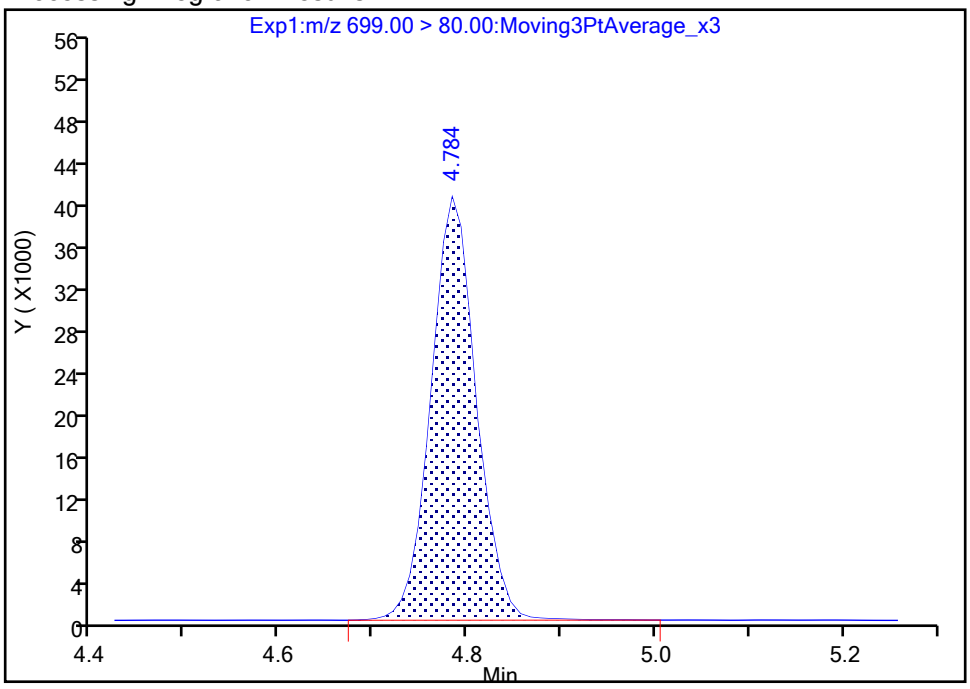
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A06.d				
Injection Date:	03-Mar-2021 16:12:33	Instrument ID:	LC812		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

75 Perfluorododecanesulfonic acid (, CAS: 79780-39-5

Signal: 1

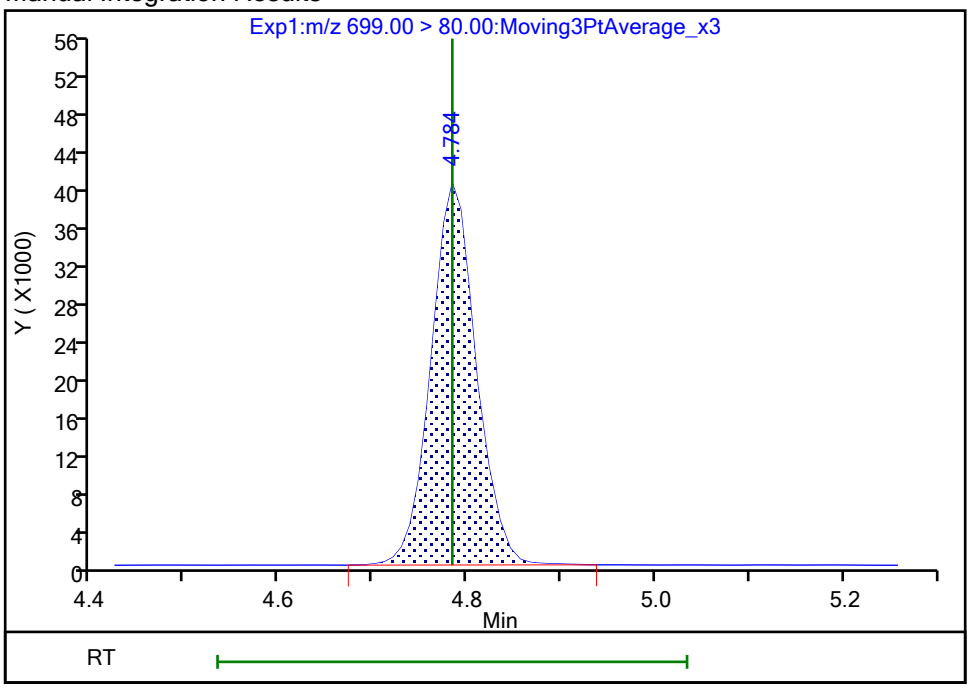
Processing Integration Results

RT: 4.78
Area: 135451
Amount: 1.024170
Amount Units: ng/ml



Manual Integration Results

RT: 4.78
Area: 135235
Amount: 1.022537
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 09:33:07
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

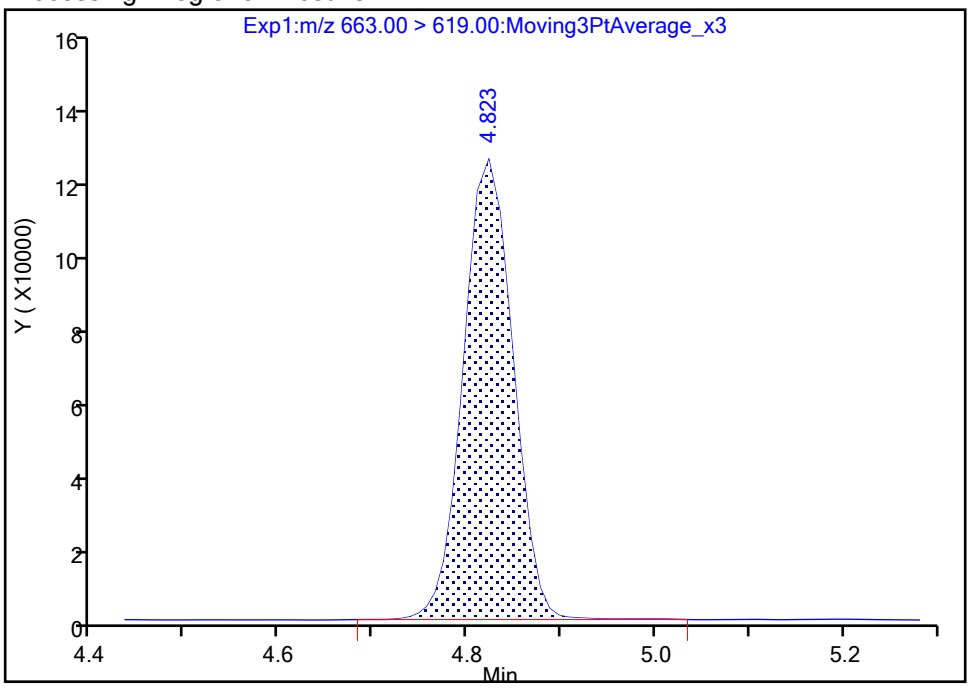
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A06.d				
Injection Date:	03-Mar-2021 16:12:33	Instrument ID:	LC812		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

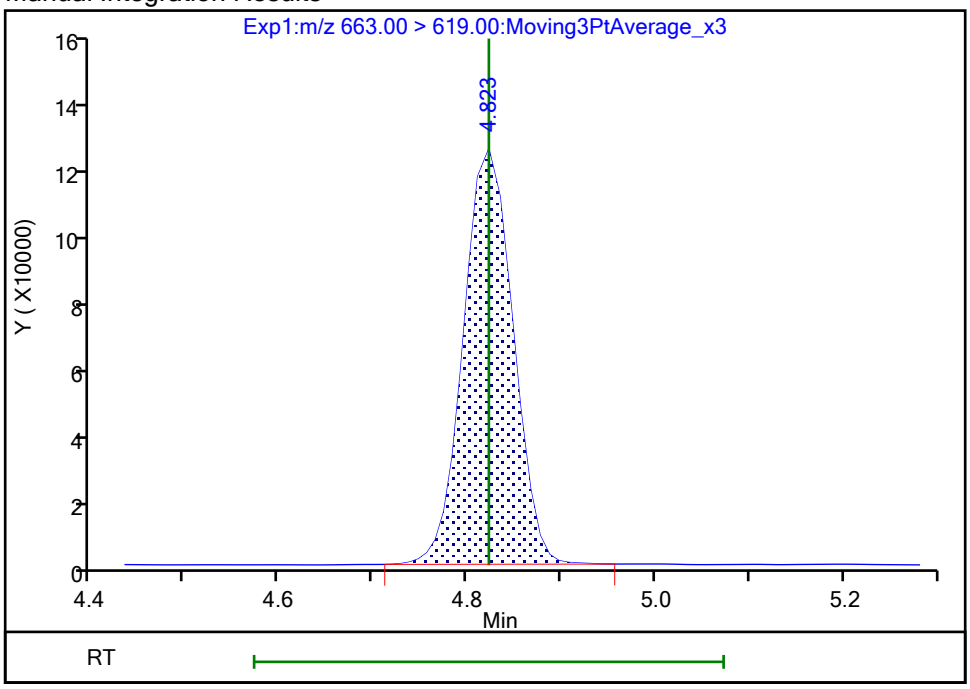
Processing Integration Results

RT: 4.82
Area: 456248
Amount: 1.006513
Amount Units: ng/ml



Manual Integration Results

RT: 4.82
Area: 454378
Amount: 1.002388
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 09:33:36

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

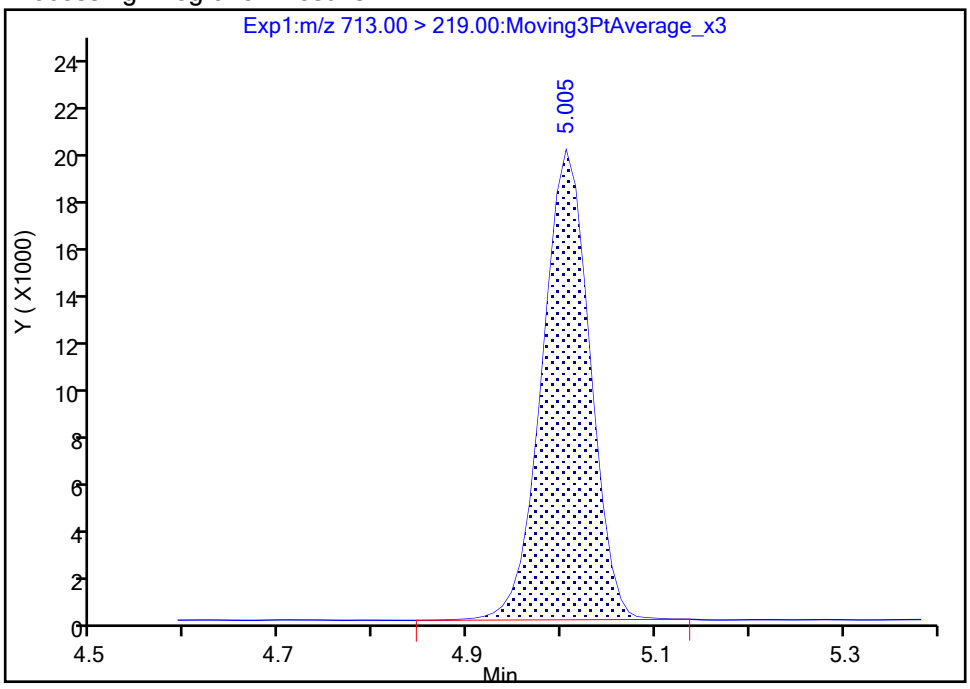
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A06.d				
Injection Date:	03-Mar-2021 16:12:33	Instrument ID:	LC812		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

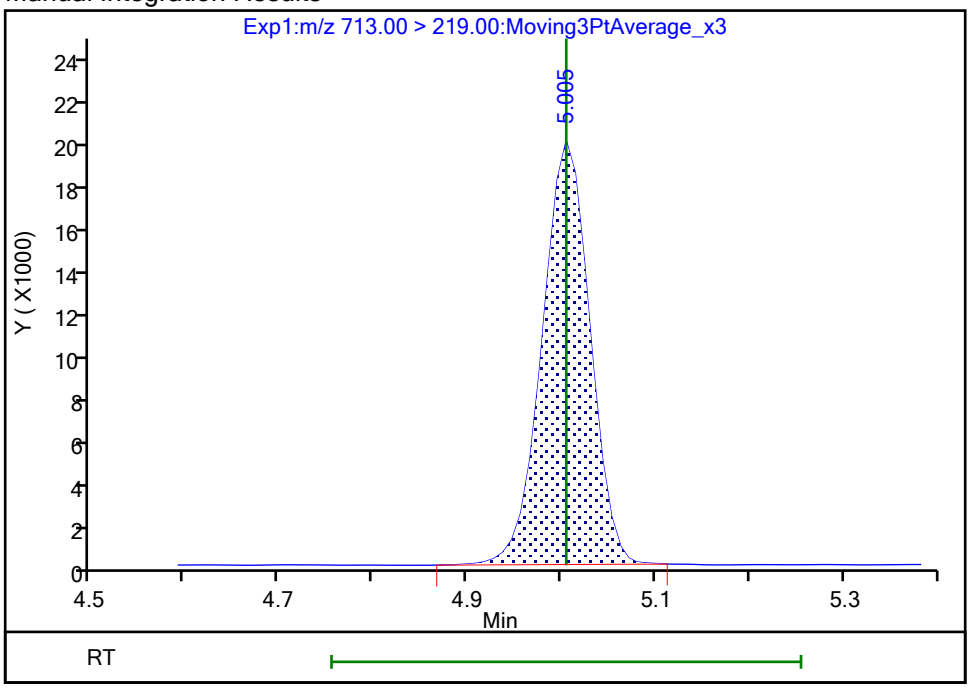
Processing Integration Results

RT: 5.00
Area: 69237
Amount: 1.184096
Amount Units: ng/ml



Manual Integration Results

RT: 5.00
Area: 69115
Amount: 1.184096
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 09:34:11
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

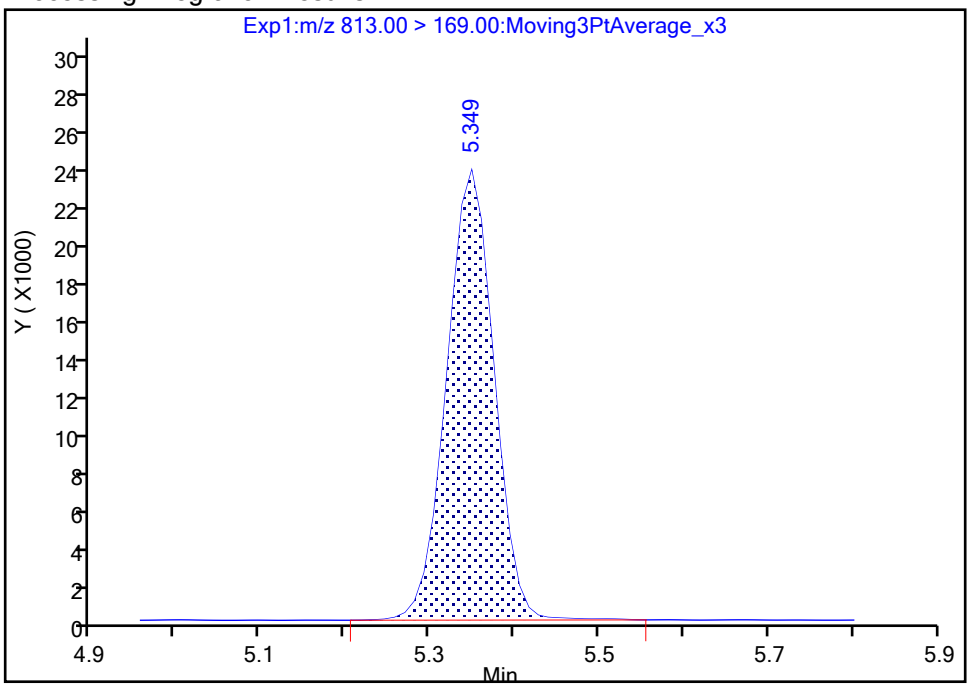
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A06.d				
Injection Date:	03-Mar-2021 16:12:33	Instrument ID:	LC812		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

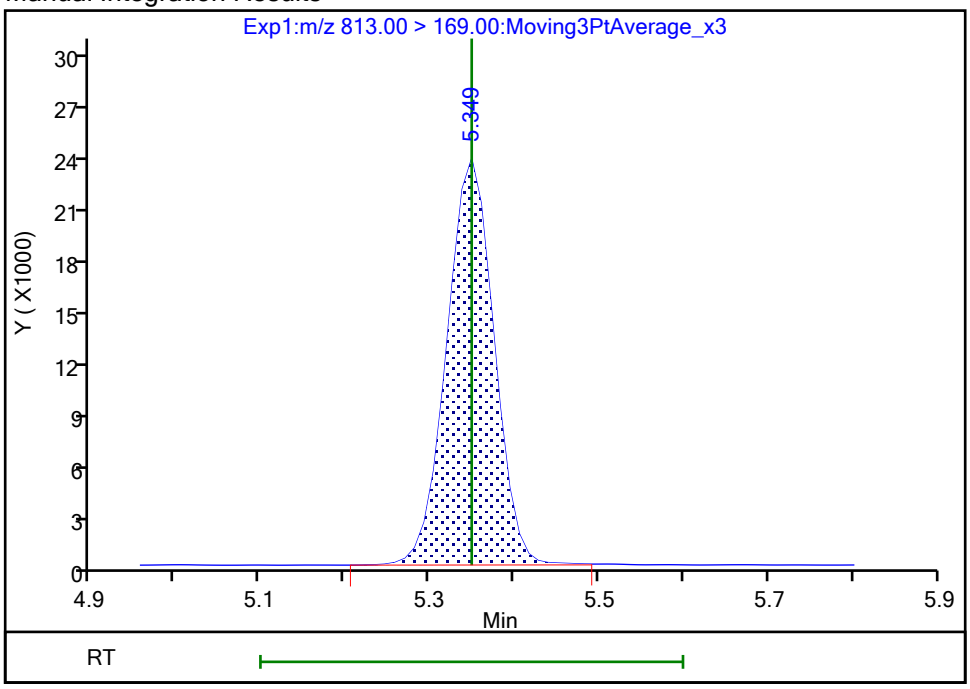
Processing Integration Results

RT: 5.35
Area: 92527
Amount: 1.101861
Amount Units: ng/ml



Manual Integration Results

RT: 5.35
Area: 92416
Amount: 1.101861
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 09:34:49

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

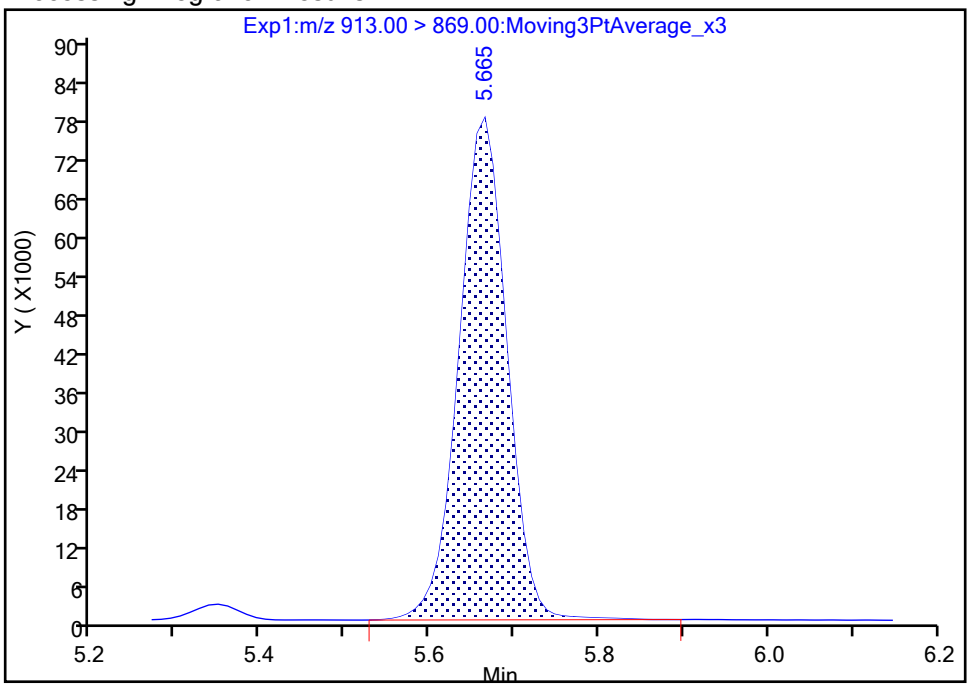
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A06.d				
Injection Date:	03-Mar-2021 16:12:33	Instrument ID:	LC812		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

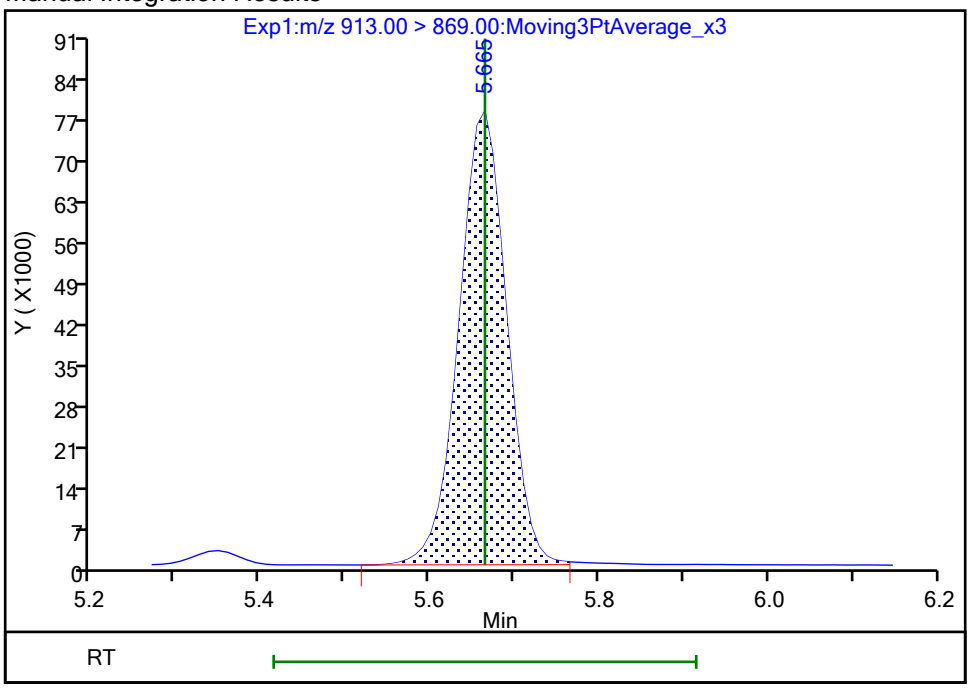
Processing Integration Results

RT: 5.66
Area: 304942
Amount: 0.998860
Amount Units: ng/ml



Manual Integration Results

RT: 5.66
Area: 303586
Amount: 0.994418
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 09:36:59

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

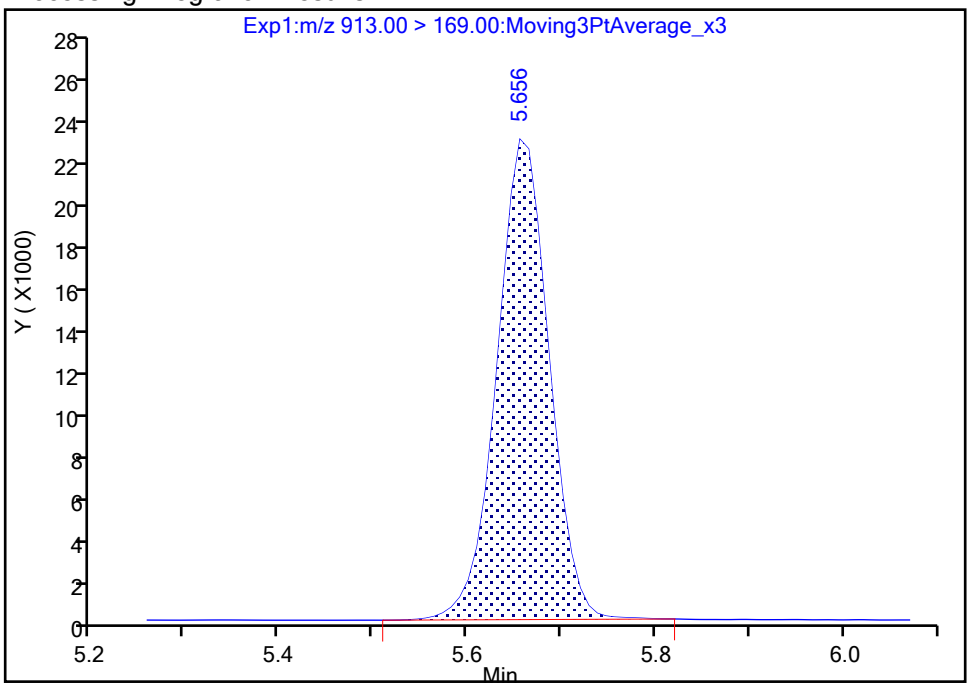
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45031.b\PA210303A06.d				
Injection Date:	03-Mar-2021 16:12:33	Instrument ID:	LC812		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

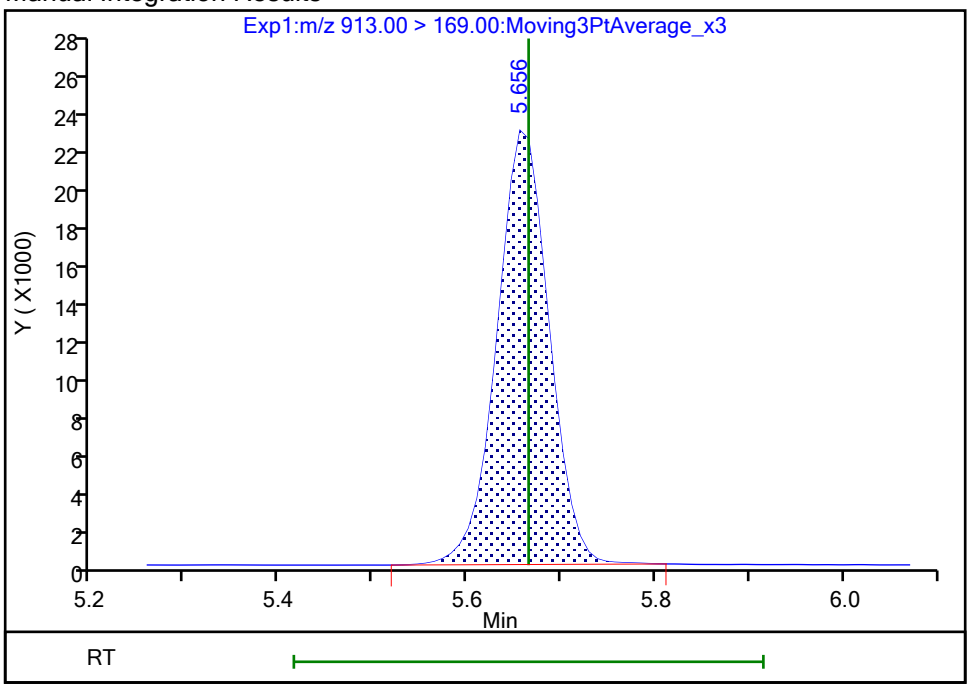
Processing Integration Results

RT: 5.66
Area: 87218
Amount: 0.998860
Amount Units: ng/ml



Manual Integration Results

RT: 5.66
Area: 87191
Amount: 0.994418
Amount Units: ng/ml



Reviewer: nampitakw, 04-Mar-2021 09:37:22

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM VII
LCMS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Lab Sample ID: CCV 200-164492/1 Calibration Date: 03/03/2021 18:58

Instrument ID: LC812 Calib Start Date: 12/22/2020 12:48

GC Column: C-18 ID: 4.60(mm) Calib End Date: 12/22/2020 13:29

Lab File ID: PA210303B01.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorobutanoic acid (PFBA)	AveID	1.002	0.9915		2.47	2.50	-1.0	40.0
Perfluoropentanoic acid (PFPeA)	AveID	1.107	1.064		2.40	2.50	-3.9	40.0
Perfluorobutanesulfonic acid (PFBS)	AveID	1.131	1.119		2.19	2.21	-1.1	40.0
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	AveID	1.834	1.819		2.32	2.34	-0.8	50.0
Perfluorohexanoic acid (PFHxA)	AveID	1.092	1.107		2.53	2.50	1.4	40.0
Perfluoropentanesulfonic acid	AveID	1.312	1.350		2.41	2.35	2.9	50.0
HFPO-DA	AveID	1.385	1.780		3.21	2.50	28.5	40.0
Perfluoroheptanoic acid (PFHpA)	AveID	1.092	1.087		2.49	2.50	-0.4	40.0
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.178	1.136		2.19	2.28	-3.6	40.0
DONA	AveID	3.349	3.328		2.34	2.36	-0.6	50.0
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	AveID	1.112	0.9393		2.00	2.37	-15.6	40.0
Perfluoroheptanesulfonic Acid (PFHpS)	AveID	1.350	1.344		2.37	2.38	-0.5	50.0
Perfluorooctanoic acid (PFOA)	AveID	1.084	1.089		2.51	2.50	0.4	40.0
Perfluorooctanesulfonic acid (PFOS)	AveID	1.150	1.095		2.21	2.32	-4.8	40.0
Perfluorononanoic acid (PFNA)	AveID	1.107	1.167		2.64	2.50	5.5	40.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	AveID	1.283	1.144		2.08	2.33	-10.8	50.0
Perfluorononanesulfonic acid	AveID	0.8581	0.8698		2.43	2.40	1.4	50.0
Perfluorodecanoic acid (PFDA)	AveID	1.031	1.058		2.57	2.50	2.6	40.0
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	AveID	0.6801	0.5822		2.05	2.40	-14.4	40.0
Perfluorooctanesulfonamide (PFOSA)	AveID	1.002	1.034		2.58	2.50	3.2	40.0
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	0.8864	0.9064		2.56	2.50	2.3	40.0
Perfluorodecanesulfonic acid (PFDS)	AveID	0.6841	0.6775		2.39	2.41	-1.0	50.0
Perfluoroundecanoic acid (PFUnA)	AveID	1.020	1.054		2.58	2.50	3.4	40.0
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.9257	0.8966		2.42	2.50	-3.1	40.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	AveID	1.331	1.083		1.92	2.36	-18.7	50.0
Perfluorododecanoic acid (PFDoA)	AveID	1.100	1.087		2.47	2.50	-1.1	40.0
10:2 FTS	AveID	0.3501	0.3490		2.40	2.41	-0.3	50.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.2517	0.2449		2.35	2.42	-2.7	50.0
Perfluorotridecanoic acid (PFTriA)	AveID	0.8926	0.8881		2.49	2.50	-0.5	50.0

FORM VII 537 (modified)

FORM VII
LCMS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Lab Sample ID: CCV 200-164492/1 Calibration Date: 03/03/2021 18:58

Instrument ID: LC812 Calib Start Date: 12/22/2020 12:48

GC Column: C-18 ID: 4.60(mm) Calib End Date: 12/22/2020 13:29

Lab File ID: PA210303B01.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorotetradecanoic acid (PFTeA)	AveID	0.1855	0.1967		2.65	2.50	6.1	40.0
Perfluoro-n-hexadecanoic acid (PFHxDA)	L1ID		1.007		2.69	2.50	7.5	40.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	0.8998	0.8091		2.25	2.50	-10.1	50.0
13C4 PFBA	Ave	1.343	1.238		1.15	1.25	-7.9	50.0
13C5 PFPeA	Ave	0.9710	0.8997		1.16	1.25	-7.3	50.0
13C3 PFBS	Ave	1.278	1.160		1.06	1.16	-9.2	50.0
M2-4:2 FTS	Ave	0.1066	0.0930		1.02	1.17	-12.8	50.0
13C2 PFHxA	Ave	1.018	0.9311		1.14	1.25	-8.5	50.0
13C3 HFPO-DA	Ave	0.1792	0.1064		0.742	1.25	-40.6	50.0
13C4 PFHpA	Ave	0.9742	0.9175		1.18	1.25	-5.8	50.0
18O2 PFHxS	Ave	0.9511	0.8608		1.07	1.18	-9.5	50.0
M2-6:2 FTS	Ave	0.1187	0.1106		1.11	1.19	-6.8	50.0
13C4 PFOA	Ave	0.9896	0.9172		1.16	1.25	-7.3	50.0
13C4 PFOS	Ave	0.6528	0.6106		1.12	1.20	-6.5	50.0
13C5 PFNA	Ave	0.8730	0.7430		1.06	1.25	-14.9	50.0
13C2 PFDA	Ave	0.8346	0.6890		1.03	1.25	-17.5	50.0
M2-8:2 FTS	Ave	0.1225	0.1010		0.988	1.20	-17.5	50.0
13C8 FOSA	Ave	1.227	1.095		1.12	1.25	-10.7	50.0
d3-NMeFOSAA	Ave	0.0605	0.0482		0.996	1.25	-20.3	50.0
13C2 PFUnA	Ave	0.6856	0.5488		1.00	1.25	-20.0	50.0
d5-NEtFOSAA	Ave	0.0585	0.0491		1.05	1.25	-16.0	50.0
13C2 PFDoA	Ave	0.7238	0.5658		0.977	1.25	-21.8	50.0
13C2 PFTeDA	Ave	0.5353	0.4455		1.04	1.25	-16.8	50.0
13C2 PFHxDA	Ave	0.5718	0.4287		0.937	1.25	-25.0	50.0

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B01.d
Lims ID: CCV L5
Client ID:
Sample Type: CCV
Inject. Date: 03-Mar-2021 18:58:07 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: CCV L5
Misc. Info.: 200-0045034-001 Plate: 1 Rack: 2
Operator ID: lc812tech Instrument ID: LC812
Sublist: chrom-PFC_LC812*sub3

Method: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 04-Mar-2021 11:30:53 Calib Date: 22-Dec-2020 13:29:37
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1647

First Level Reviewer: khanphomeea Date: 04-Mar-2021 10:09:00
Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.082	2.091	-0.009	0.596	1289383	1.15		92.1	8788	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.082	2.091	-0.009	1.000	2556899	2.47		99.0	655	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.401	2.413	-0.012	0.687	937234	1.16		92.7	3222	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.401	2.413	-0.012	1.000	1995127	2.40		96.1	123	M
D 47 13C3 PFBS										M
301.90 > 80.00	2.427	2.439	-0.012	0.695	1123996	1.06		90.8	145737	M
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.427	2.439	-0.012	1.000	2391626	2.19	Target=2.21	98.9	3647	
298.90 > 99.00	2.427	2.439	-0.012	1.000	1094405		2.19(1.11-3.32)		935	
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.723	2.734	-0.011	0.779	90469	1.02		87.2	102	M
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.723	2.734	-0.011	1.000	329144	2.32		99.2	2771	
D 7 13C2 PFHxA										
315.00 > 270.00	2.759	2.770	-0.011	0.790	969942	1.14		91.5	2882	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.759	2.770	-0.011	1.000	2147897	2.53	Target=12.83	101	466	M
313.00 > 119.00	2.759	2.770	-0.011	1.000	178476		12.03(6.42-19.25)		341	M
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.771	2.783	-0.012	0.884	2271124	2.41	Target=3.35	103	2508	M
349.00 > 99.00	2.771	2.783	-0.012	0.884	645072		3.52(1.67-5.02)		1158	M
D 64 13C3 HFPO-DA										
332.10 > 287.00	2.869	2.880	-0.011	0.821	110818	0.7421		59.4	1197	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
67 Perfluoro(2-propoxypropanoic) ac										
329.10 > 285.00	2.869	2.880	-0.011	1.000	394590	3.21		129	86.4	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.133	3.132	0.001	1.000	1853700	2.19	Target=4.15	96.4	1063	M
399.00 > 99.00	3.122	3.132	-0.010	0.997	461592		4.02(2.08-6.23)		460	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.133	3.132	0.001	0.897	848315	1.07		90.5	2058	
D 9 13C4 PFHpA										
367.00 > 322.00	3.133	3.143	-0.010	0.897	955845	1.18		94.2	3720	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.133	3.143	-0.010	1.000	2078942	2.49	Target=3.66	99.6	778	
363.00 > 169.00	3.133	3.143	-0.010	1.000	585874		3.55(1.83-5.49)		1064	
77 DONA										
377.00 > 251.00	3.176	3.175	0.001	0.835	3988634	2.34	Target=2.43	99.4	4816	
377.00 > 85.00	3.165	3.175	-0.010	0.832	1641303		2.43(1.22-3.65)		1891	
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.484	3.483	0.001	0.916	1627352	2.37	Target=5.95	99.5	2824	M
449.00 > 99.00	3.475	3.483	-0.008	0.913	263732		6.17(2.98-8.93)		902	
D 12 M2-6:2 FTS										
429.00 > 81.00	3.484	3.483	0.001	0.997	109501	1.11		93.2	434	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.484	3.483	0.001	1.000	205286	2.00		84.4	1225	
D 14 13C4 PFOA										
417.00 > 372.00	3.493	3.492	0.001	1.000	955469	1.16		92.7	2925	
* 62 13C2 PFOA										
415.00 > 370.00	3.493	3.492	0.001		1041746	1.25			2698	
15 Perfluorooctanoic acid										
413.00 > 369.00	3.493	3.492	0.001	1.000	2080571	2.51	Target=2.58	100	651	
413.00 > 169.00	3.493	3.492	0.001	1.000	827073		2.52(1.29-3.87)		1431	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.805	3.804	0.001	1.000	1292723	2.21	Target=5.65	95.2	771	M
499.00 > 99.00	3.805	3.804	0.001	1.000	224819		5.75(2.82-8.47)		880	M
D 18 13C4 PFOS										
503.00 > 80.00	3.805	3.804	0.001	1.089	608076	1.12		93.5	1828	
D 19 13C5 PFNA										
468.00 > 423.00	3.826	3.825	0.001	1.095	774037	1.06		85.1	3864	
20 Perfluorononanoic acid										
463.00 > 419.00	3.826	3.825	0.001	1.000	1807352	2.64	Target=7.44	105	382	
463.00 > 169.00	3.826	3.825	0.001	1.000	269848		6.70(3.72-11.16)		2632	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.967	3.964	0.003	1.042	1356676	2.08		89.2	4236	
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.095	4.093	0.002	1.076	1062198	2.43	Target=2.54	101	3304	
549.00 > 99.00	4.095	4.093	0.002	1.076	350206		3.03(1.27-3.81)		1104	
D 23 13C2 PFDA										
515.00 > 470.00	4.118	4.126	-0.008	1.179	717734	1.03		82.5	3228	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										
513.00 > 469.00	4.118	4.126	-0.008	1.000	1518246	2.57	Target=9.29	103	1193	
513.00 > 169.00	4.118	4.126	-0.008	1.000	187034		8.12(4.64-13.93)		1219	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.129	4.137	-0.008	1.182	100807	0.9876		82.5	676	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.129	4.137	-0.008	1.000	117387	2.05		85.6	753	M
D 21 13C8 FOSA										
506.00 > 78.00	4.217	4.225	-0.008	1.207	1141076	1.12		89.3	2975	
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.217	4.225	-0.008	1.000	2360781	2.58		103	3478	
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.260	4.268	-0.008	1.219	50240	1.00		79.7	78.9	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.272	4.268	0.004	1.003	91071	2.56		102	619	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.361	4.358	0.003	1.146	830848	2.39	Target=2.80	99.0	3176	
599.00 > 99.00	4.350	4.358	-0.008	1.143	301105		2.76(1.40-4.19)		1533	
D 30 13C2 PFUnA										
565.00 > 520.00	4.384	4.391	-0.007	1.255	571697	1.00		80.0	2427	
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.384	4.391	-0.007	1.000	1205170	2.58	Target=8.12	103	897	M
563.00 > 169.00	4.384	4.391	-0.007	1.000	155308		7.76(4.06-12.18)		2144	
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.395	4.402	-0.007	1.258	51189	1.05		84.0	501	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.406	4.402	0.004	1.003	91793	2.42		96.9	634	M
66 11-Chloroeicosafluoro-3-oxaundec										
631.00 > 451.00	4.473	4.480	-0.008	1.175	1297545	1.92		81.3	2815	
D 36 13C2 PFDoA										
615.00 > 570.00	4.616	4.612	0.004	1.321	589459	0.9772		78.2	2598	
37 Perfluorododecanoic acid										
613.00 > 569.00	4.616	4.612	0.004	1.000	1281977	2.47	Target=6.91	98.9	507	
613.00 > 169.00	4.616	4.612	0.004	1.000	206219		6.22(3.45-10.36)		3532	
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.637	4.633	0.004	1.123	70801	2.40		99.7	1662	
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.779	4.784	-0.005	1.256	301558	2.35	Target=0.51	97.3	2324	
699.00 > 99.00	4.788	4.784	0.004	1.258	600276		0.50(0.26-0.77)		2427	
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.815	4.823	-0.008	1.043	1046977	2.49	Target=4.39	99.5	534	
663.00 > 169.00	4.815	4.823	-0.008	1.043	270447		3.87(2.20-6.59)		1959	
D 43 13C2 PFTeDA										
715.00 > 670.00	5.008	5.005	0.003	1.434	464118	1.04		83.2	2817	
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.008	5.005	0.003	1.000	182605	2.65	Target=1.06	106	2196	
713.00 > 219.00	5.008	5.005	0.003	1.000	175082		1.04(0.53-1.59)		3453	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 44 13C2 PFHxDA										
815.00 > 770.00	5.352	5.349	0.003	1.532	446630	0.9372		75.0	2088	
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.352	5.349	0.003	1.000	899670	2.69	Target=3.84	108	409	
813.00 > 169.00	5.352	5.349	0.003	1.000	237829		3.78(1.92-5.76)		3083	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.676	5.665	0.011	1.061	722735	2.25	Target=3.92	89.9	615	M
913.00 > 169.00	5.676	5.665	0.011	1.061	204616		3.53(1.96-5.88)		1025	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCIC5_00013 Amount Added: 100.00 Units: uL

Report Date: 04-Mar-2021 11:30:54 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B01.d

Injection Date: 03-Mar-2021 18:58:07 Instrument ID: LC812

Lims ID: CCV L5

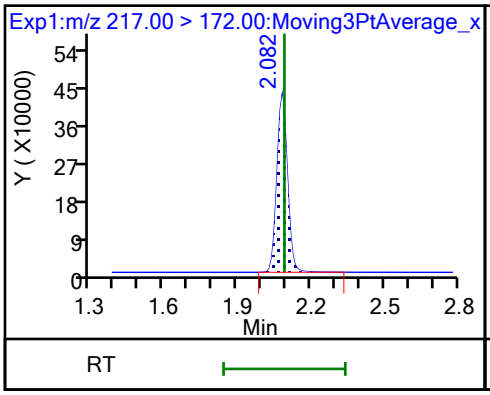
Client ID:

Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1

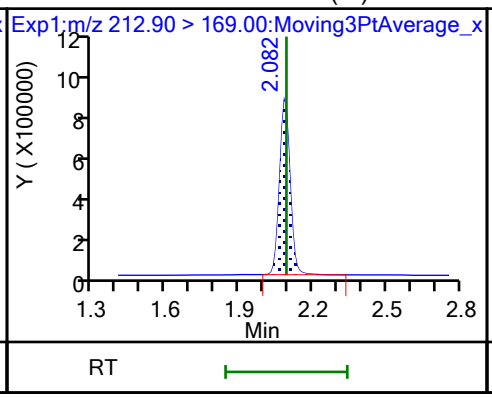
Injection Vol: 20.0 ul Dil. Factor: 1.0000

Method: PFC_LC812 Limit Group: LC_PFC_ICAL

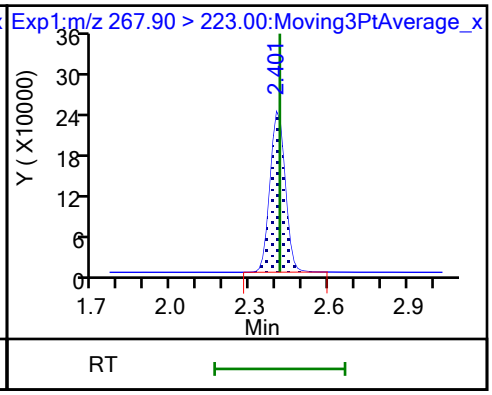
D 1 13C4 PFBA



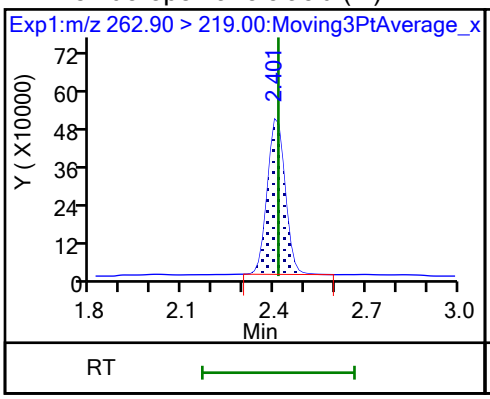
2 Perfluorobutanoic acid (M)



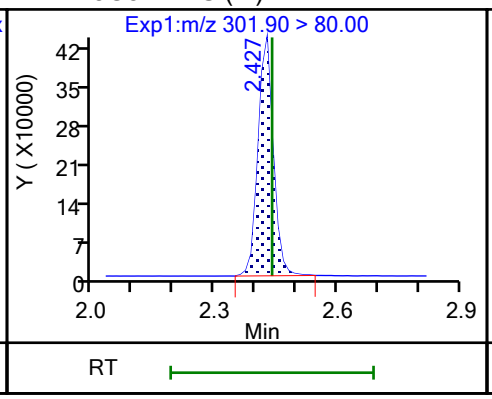
D 3 13C5 PFPeA



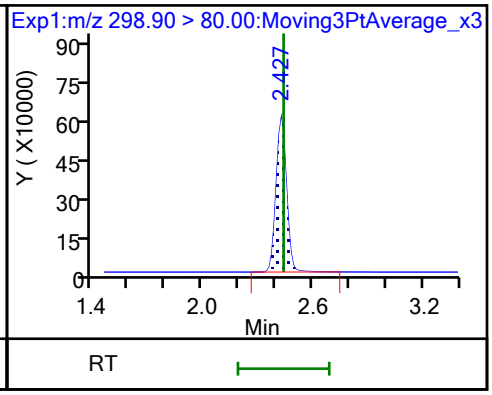
4 Perfluoropentanoic acid (M)



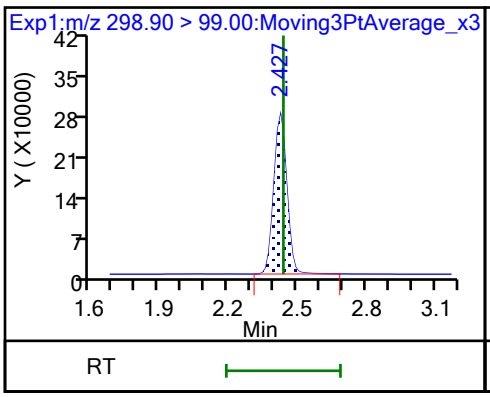
D 47 13C3 PFBS (M)



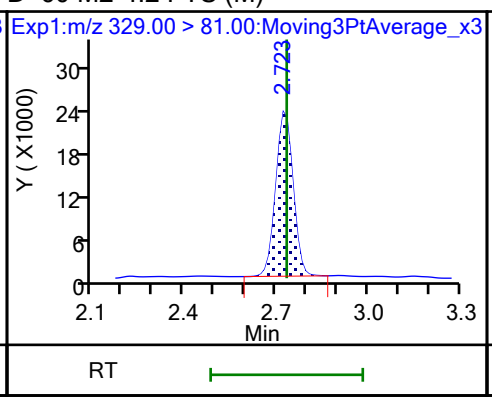
5 Perfluorobutanesulfonic acid



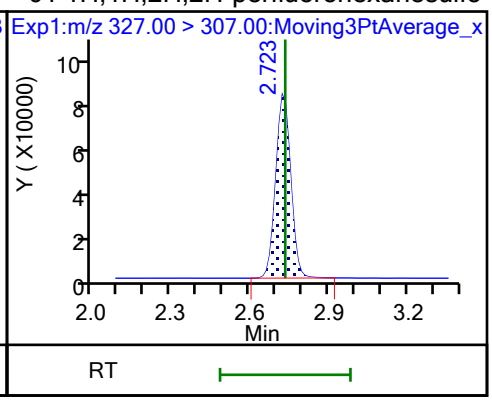
5 Perfluorobutanesulfonic acid



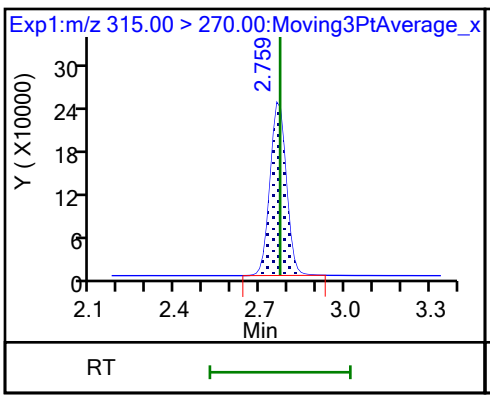
D 60 M2-4:2 FTS (M)



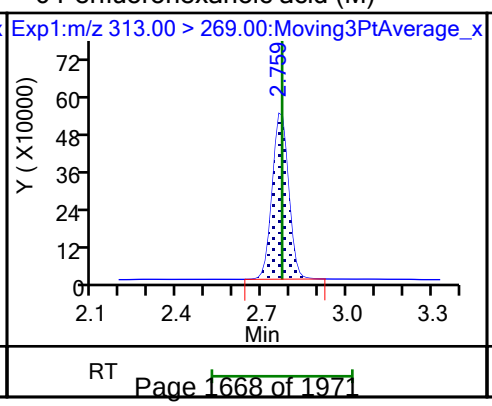
61 1H,1H,2H,2H-perfluorohexanesulfo



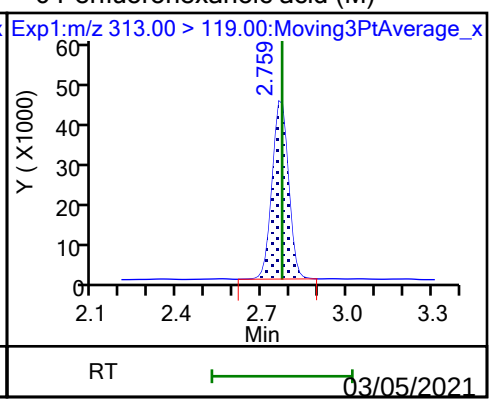
D 7 13C2 PFHxA



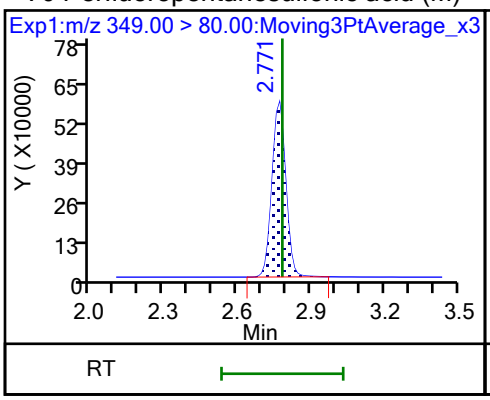
6 Perfluorohexanoic acid (M)



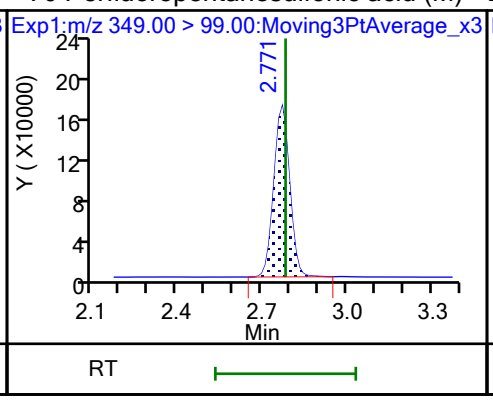
6 Perfluorohexanoic acid (M)



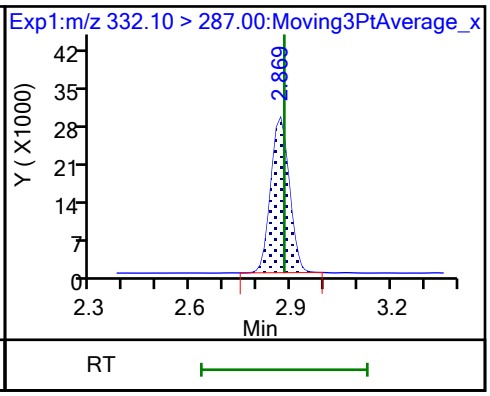
70 Perfluoropentanesulfonic acid (M)



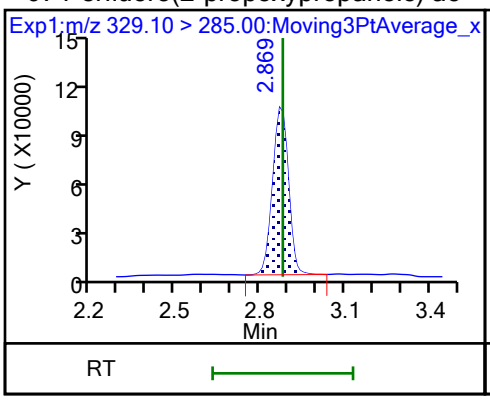
70 Perfluoropentanesulfonic acid (M)



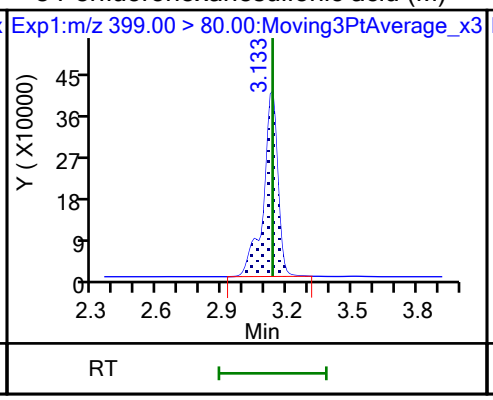
D 64 13C3 HFPO-DA



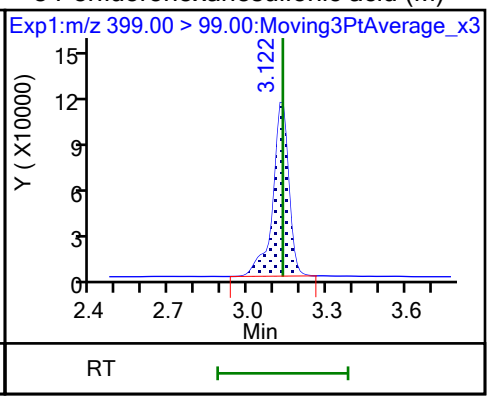
67 Perfluoro(2-propoxypropanoic) ac



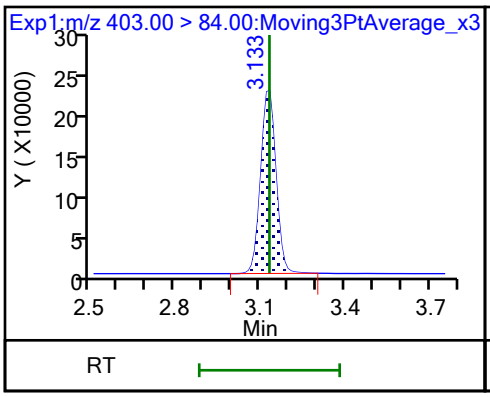
8 Perfluorohexanesulfonic acid (M)



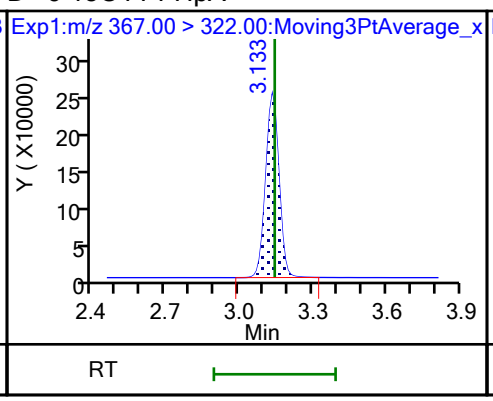
8 Perfluorohexanesulfonic acid (M)



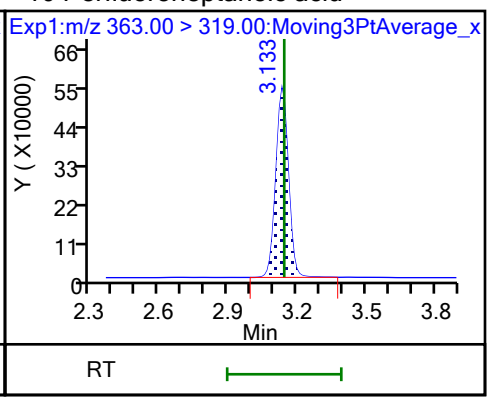
D 11 18O2 PFHxS



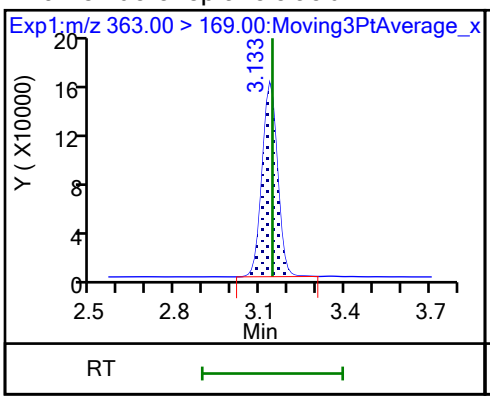
D 9 13C4 PFHpA



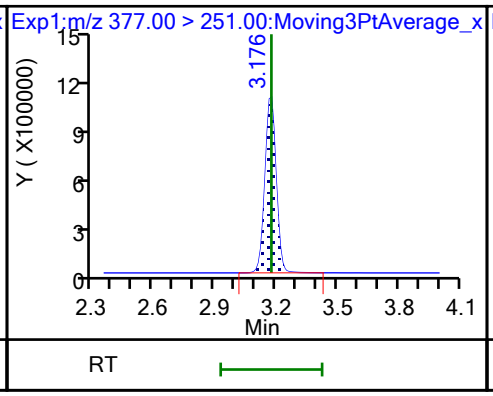
10 Perfluoroheptanoic acid



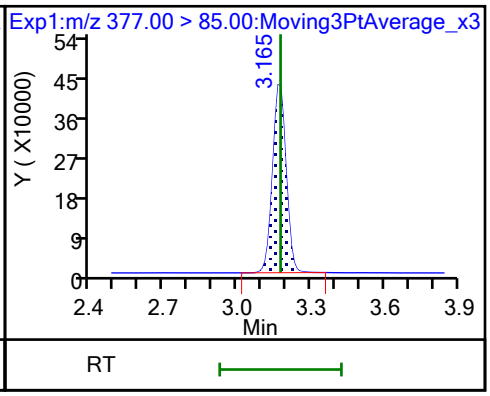
10 Perfluoroheptanoic acid



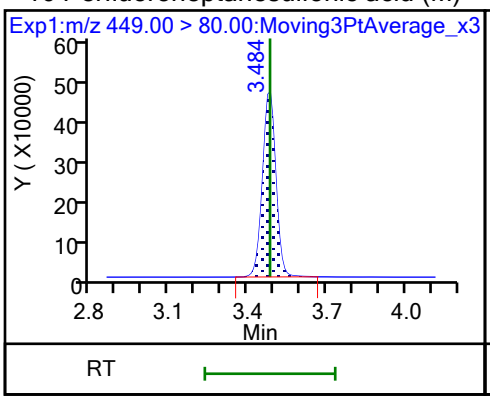
77 DONA



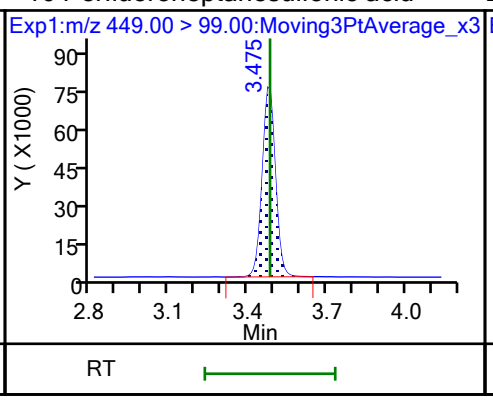
77 DONA



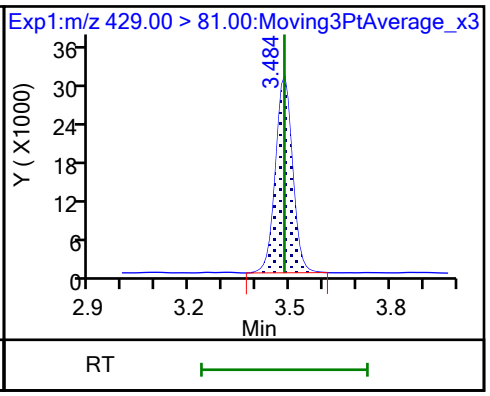
16 Perfluoroheptanesulfonic acid (M)



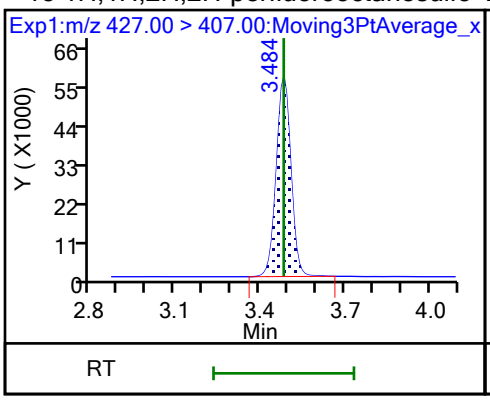
16 Perfluoroheptanesulfonic acid



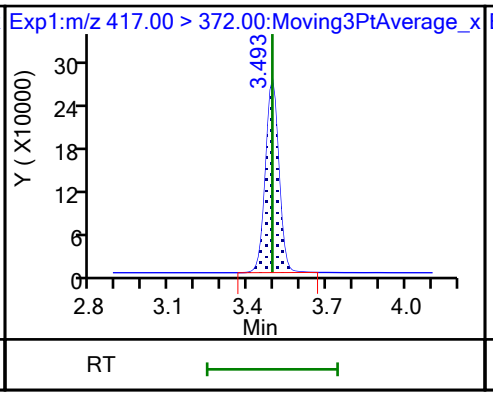
D 12 M2-6:2 FTS



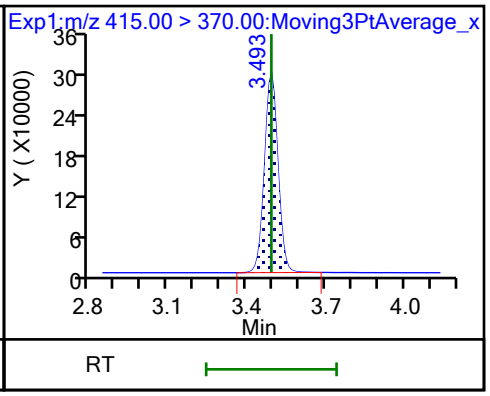
13 1H,1H,2H,2H-perfluorooctanesulfo



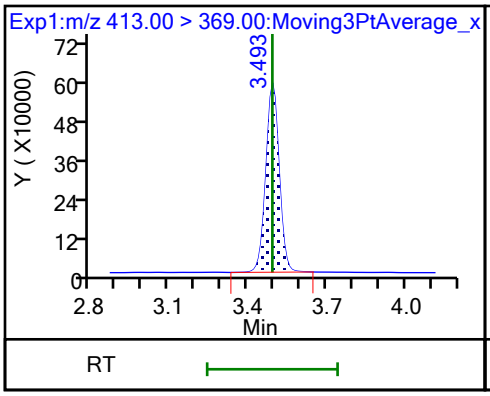
D 14 13C4 PFOA



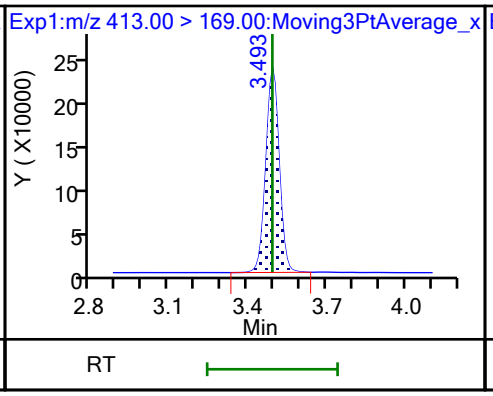
* 62 13C2 PFOA



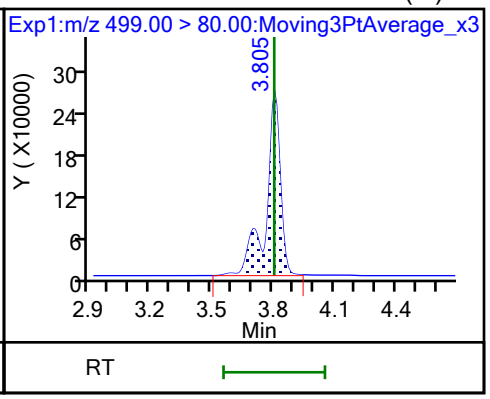
15 Perfluorooctanoic acid



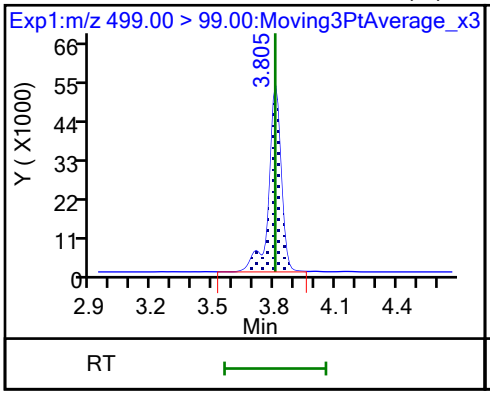
15 Perfluorooctanoic acid



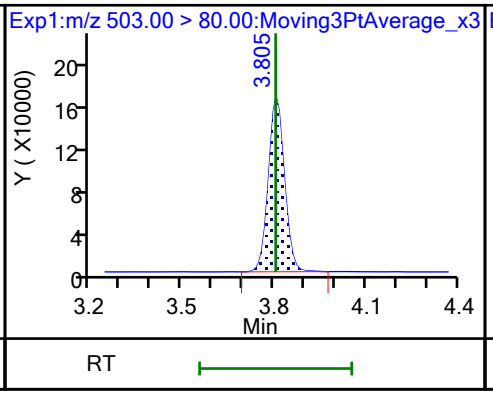
17 Perfluorooctanesulfonic acid (M)



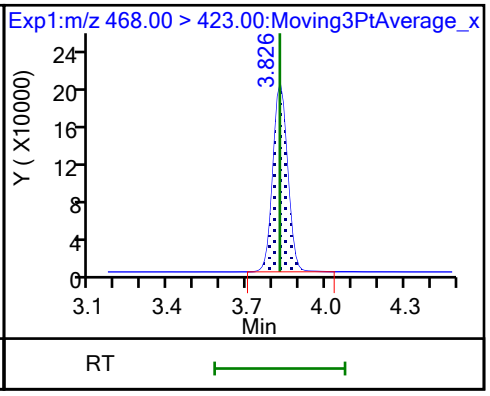
17 Perfluorooctanesulfonic acid (M)



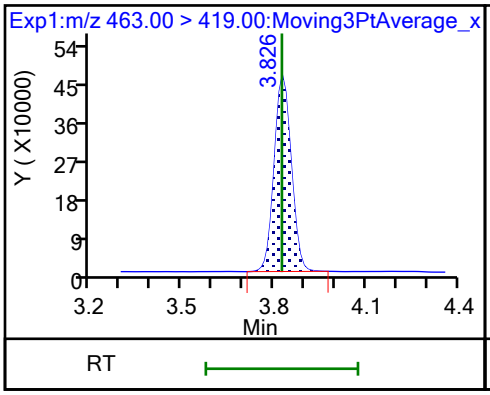
D 18 13C4 PFOS



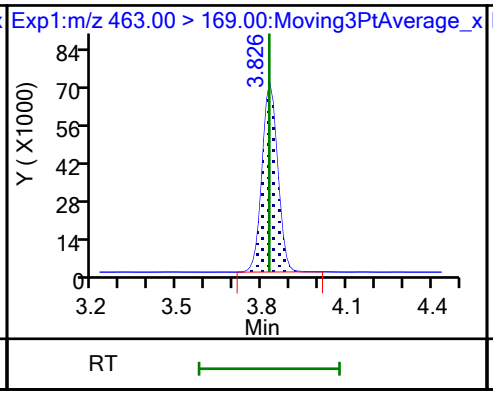
D 19 13C5 PFNA



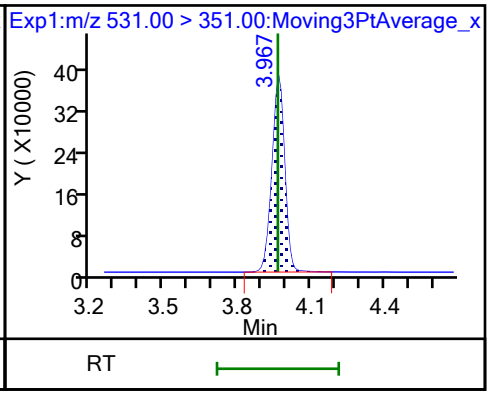
20 Perfluorononanoic acid



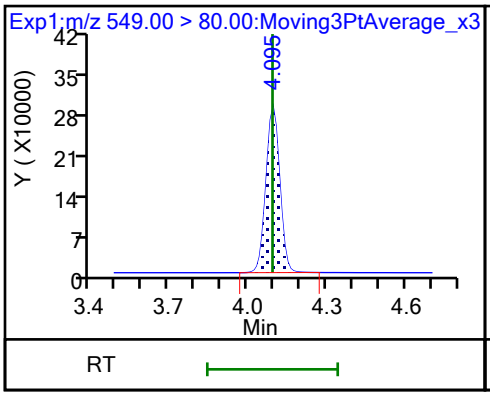
20 Perfluorononanoic acid



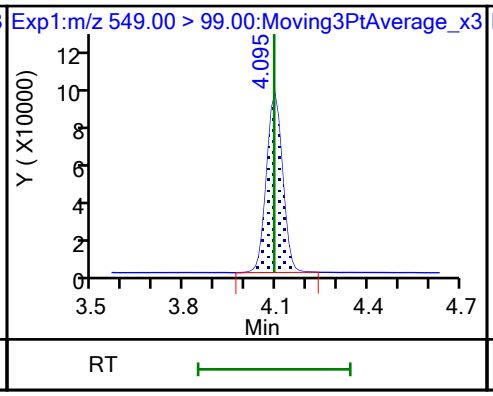
69 9-Chlorohexadecafluoro-3-oxanona



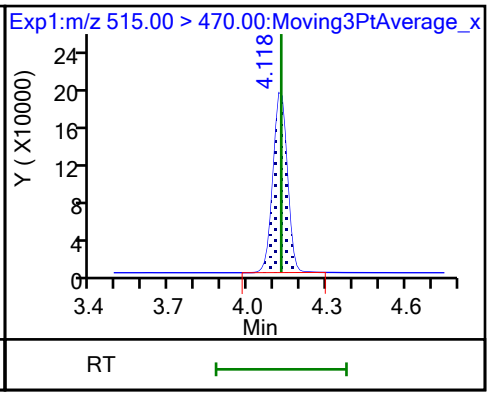
68 Perfluorononanesulfonic acid



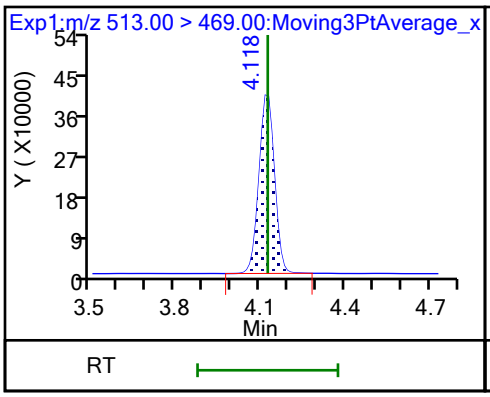
68 Perfluorononanesulfonic acid



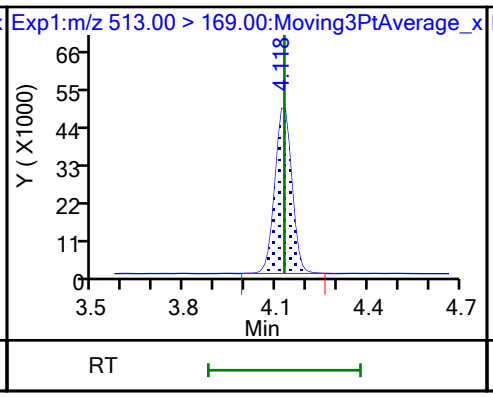
D 23 13C2 PFDA



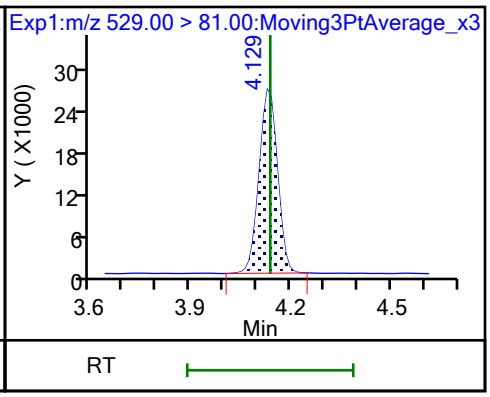
24 Perfluorodecanoic acid



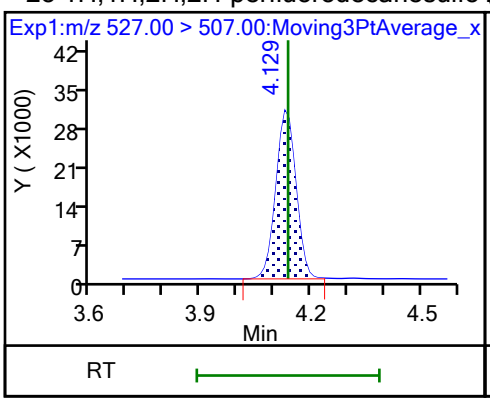
24 Perfluorodecanoic acid



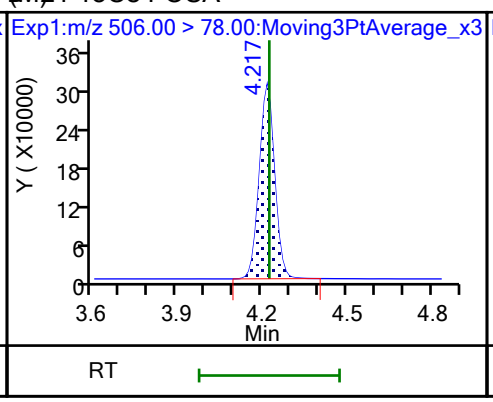
D 26 M2-8:2 FTS



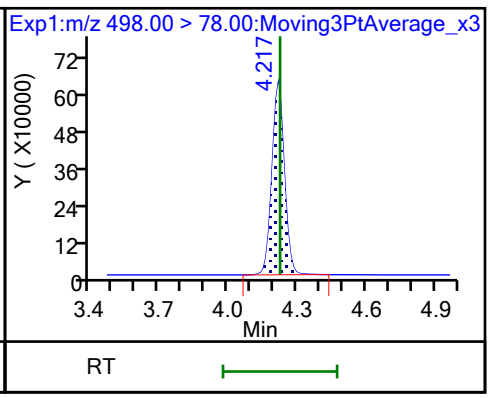
25 1H,1H,2H,2H-perfluorodecanesulfo (M)



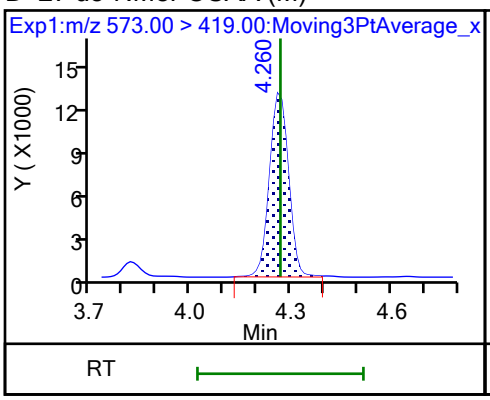
D 21 13C8 FOSA



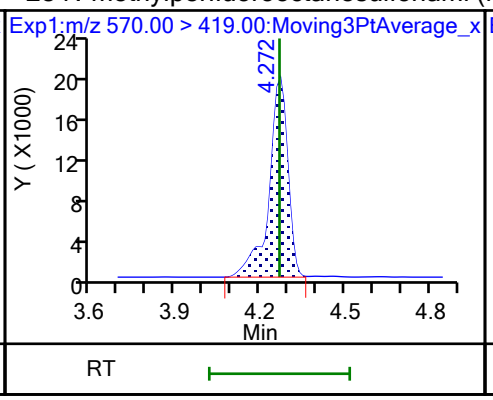
22 Perfluorooctanesulfonamide



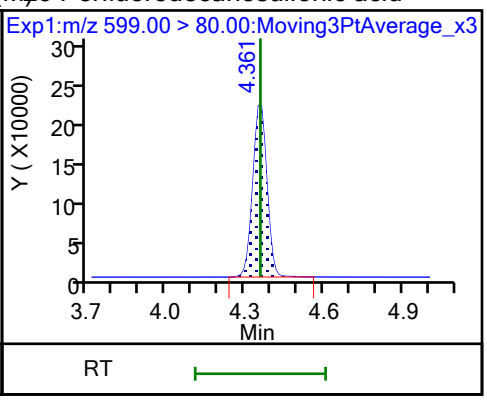
D 27 d3-NMeFOSAA (M)



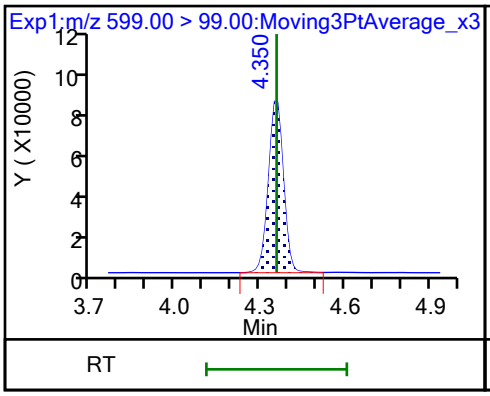
28 N-methylperfluorooctanesulfonami (M)



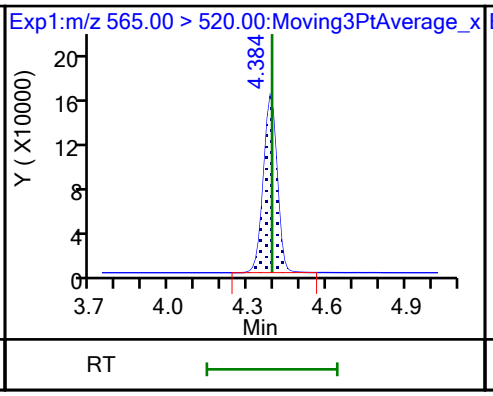
29 Perfluorodecanesulfonic acid



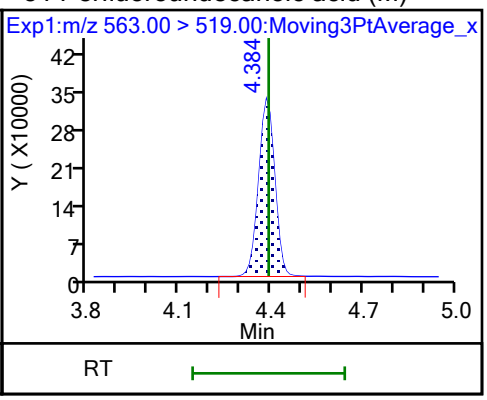
29 Perfluorodecanesulfonic acid



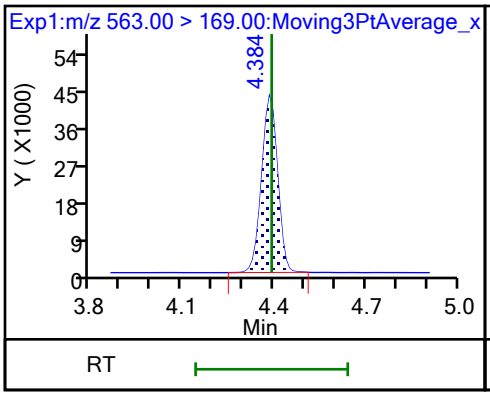
D 30 13C2 PFUnA



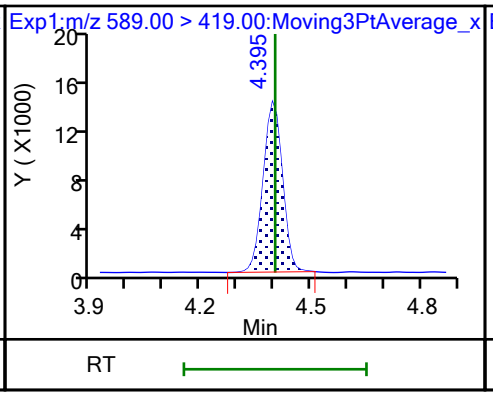
31 Perfluoroundecanoic acid (M)



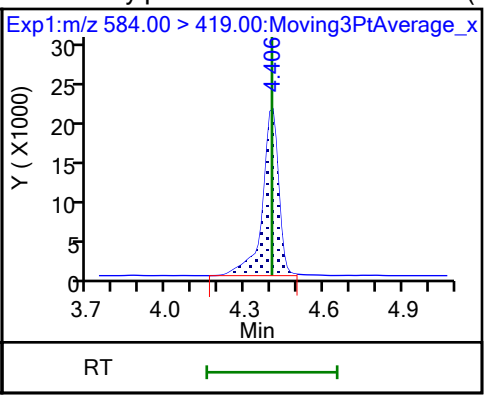
31 Perfluoroundecanoic acid



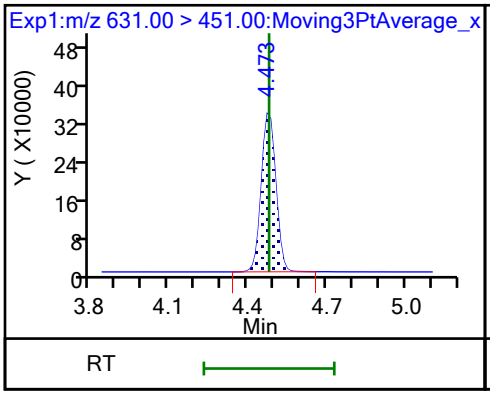
D 32 d5-NEtFOSAA



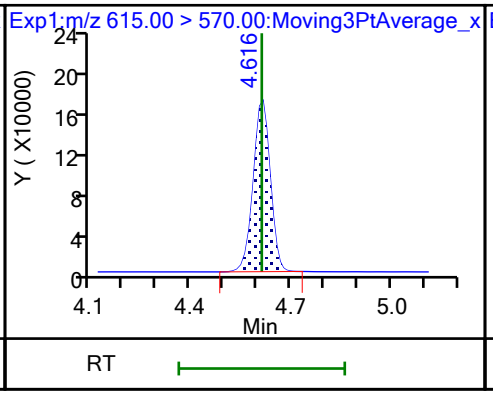
33 N-ethylperfluorooctanesulfonamid (M)



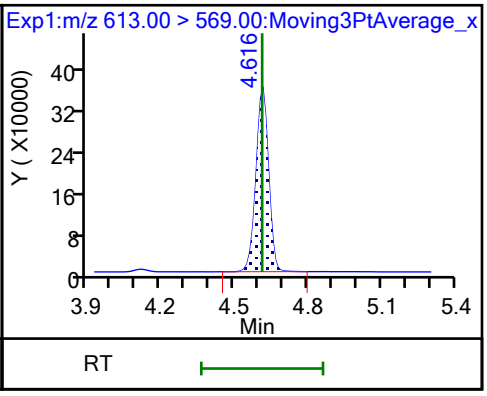
66 11-Chloroeicosafluoro-3-oxaundec



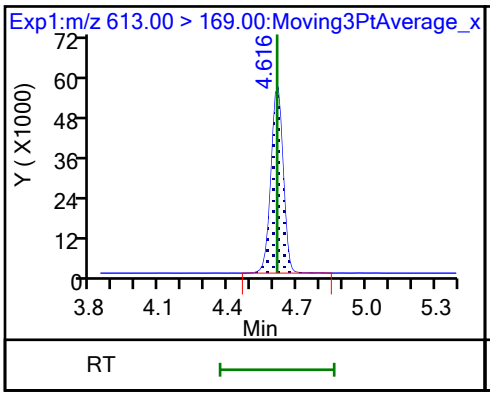
D 36 13C2 PFDoA



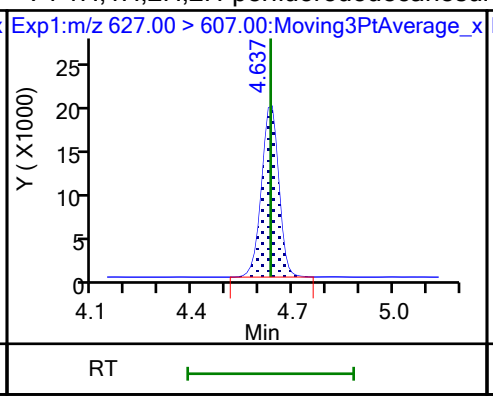
37 Perfluorododecanoic acid



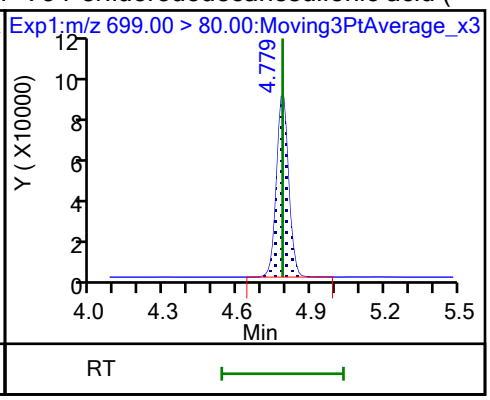
37 Perfluorododecanoic acid



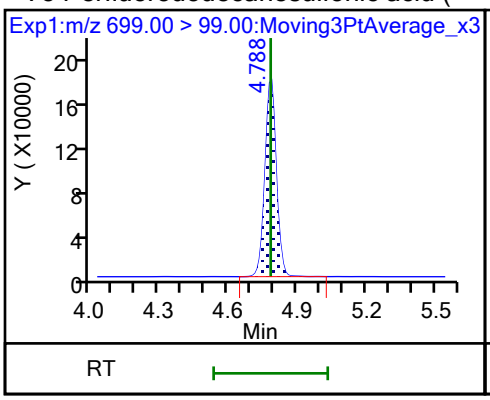
74 1H,1H,2H,2H-perfluorododecanesul



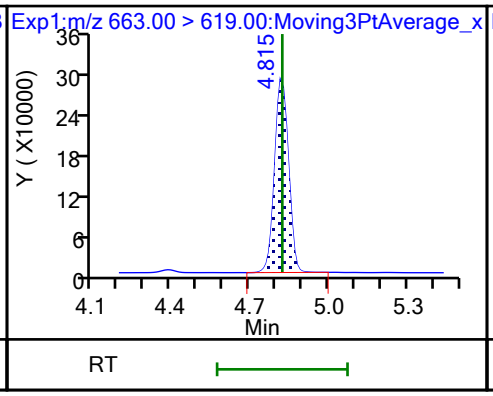
75 Perfluorododecanesulfonic acid (



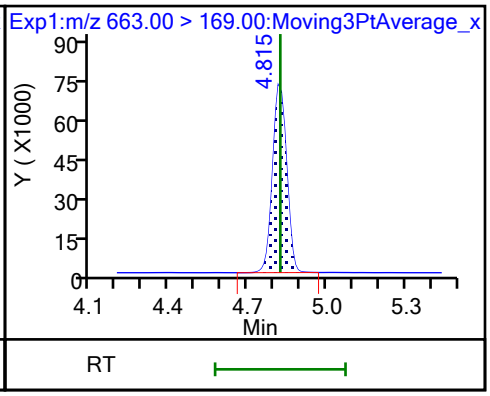
75 Perfluorododecanesulfonic acid (



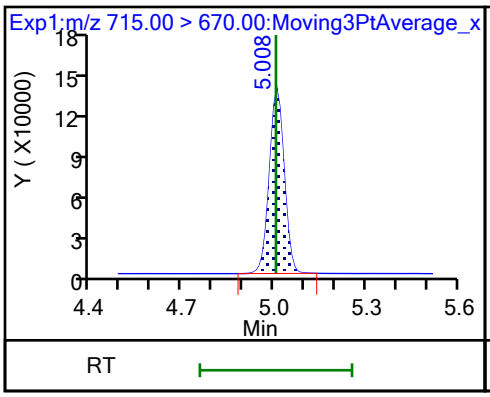
41 Perfluorotridecanoic acid



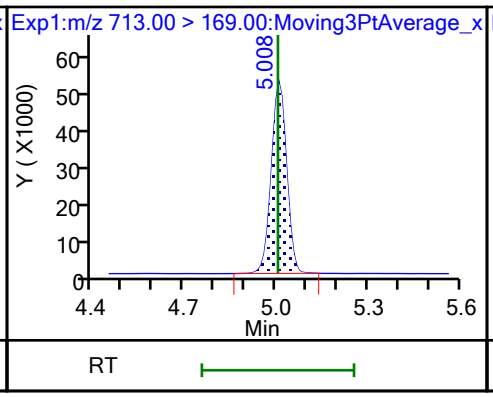
41 Perfluorotridecanoic acid



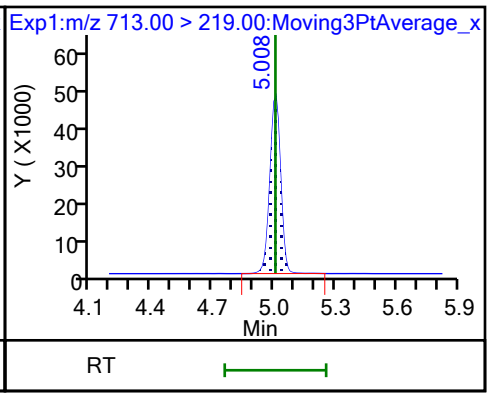
D 43 13C2 PFTeDA



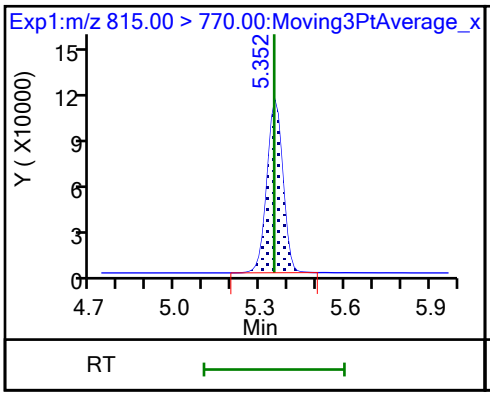
42 Perfluorotetradecanoic acid



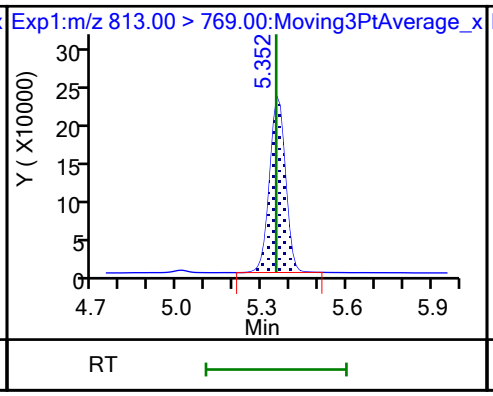
42 Perfluorotetradecanoic acid



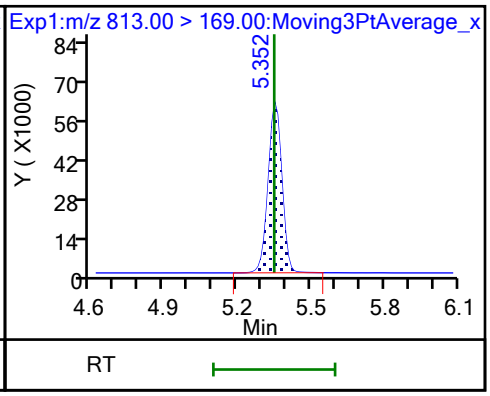
D 44 13C2 PFHxDA



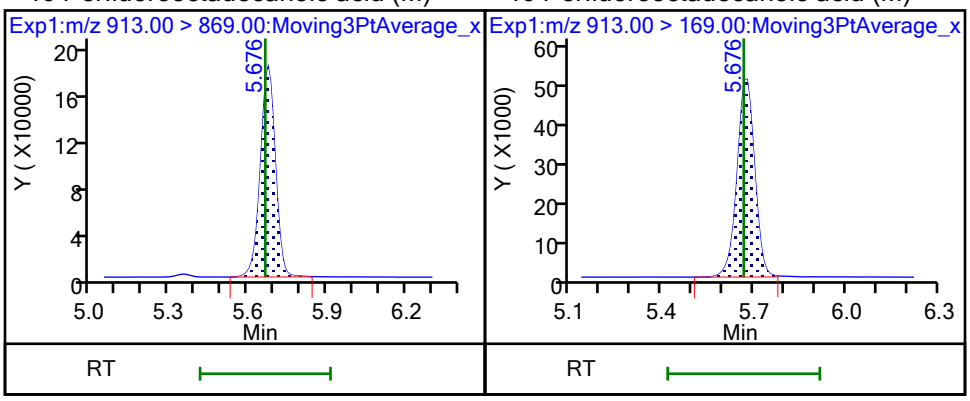
45 Perfluorohexadecanoic acid



45 Perfluorohexadecanoic acid



46 Perfluorooctadecanoic acid (M) 46 Perfluorooctadecanoic acid (M)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

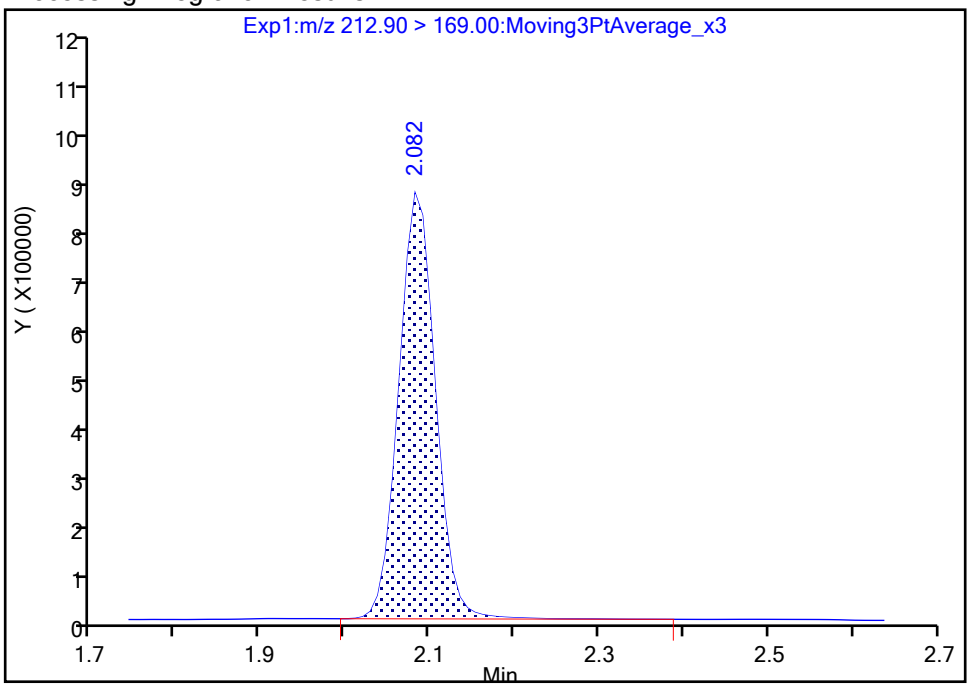
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Injection Date:	03-Mar-2021 18:58:07	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

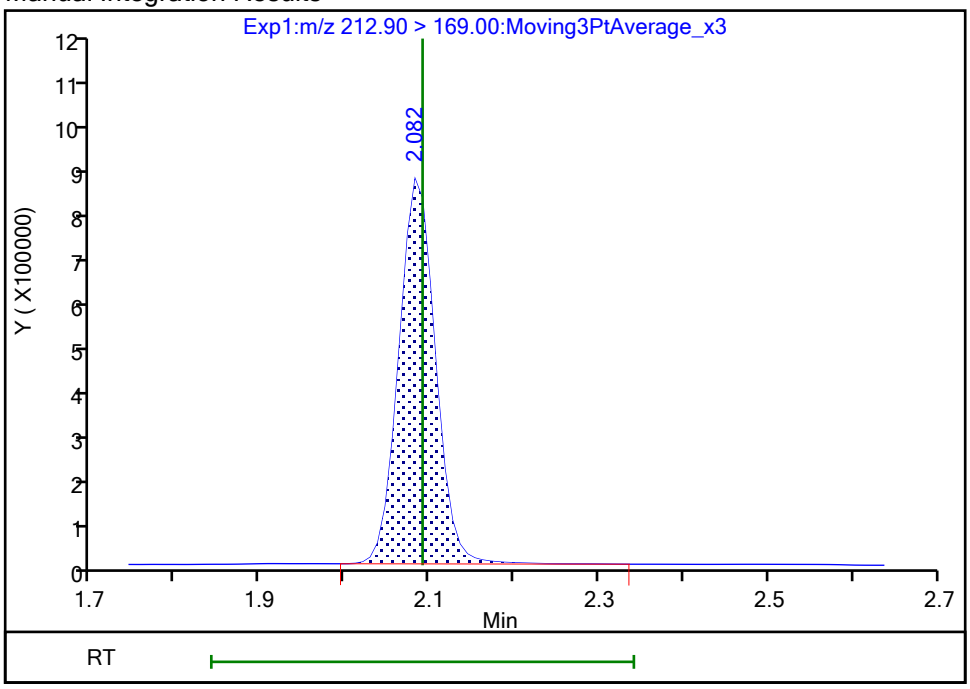
Processing Integration Results

RT: 2.08
Area: 2557205
Amount: 2.474124
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 2556899
Amount: 2.473827
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:10:11

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

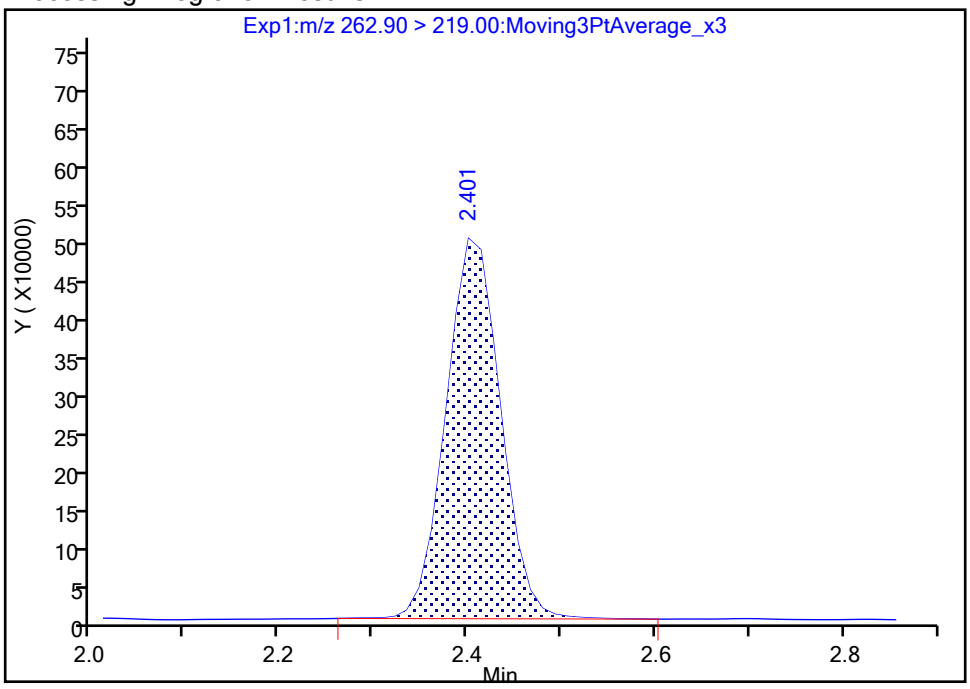
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Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

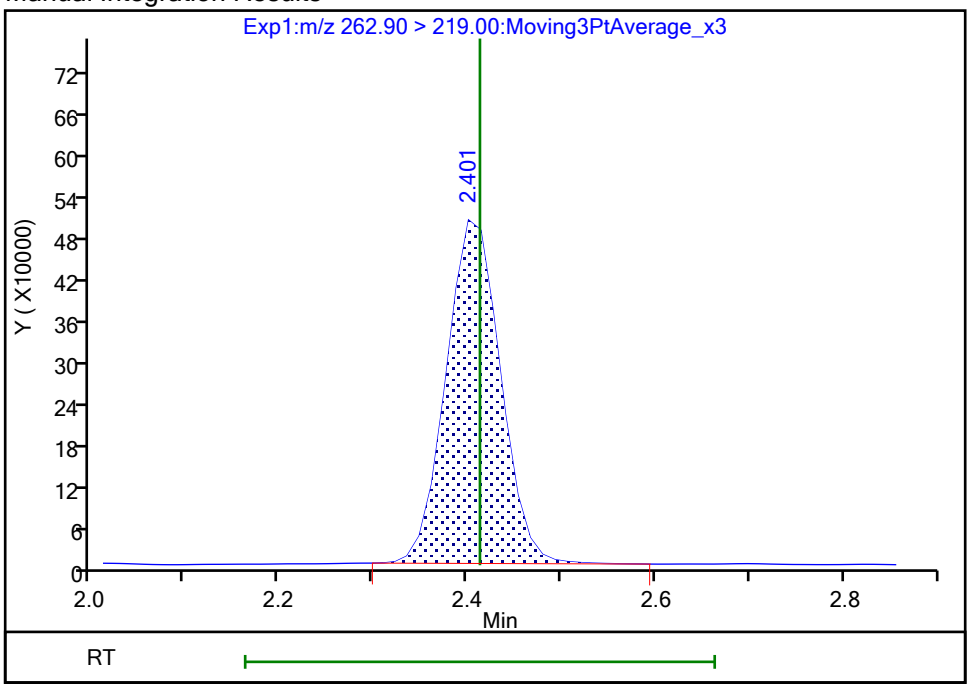
Processing Integration Results

RT: 2.40
Area: 2002409
Amount: 2.411879
Amount Units: ng/ml



Manual Integration Results

RT: 2.40
Area: 1995127
Amount: 2.403108
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:10:17

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

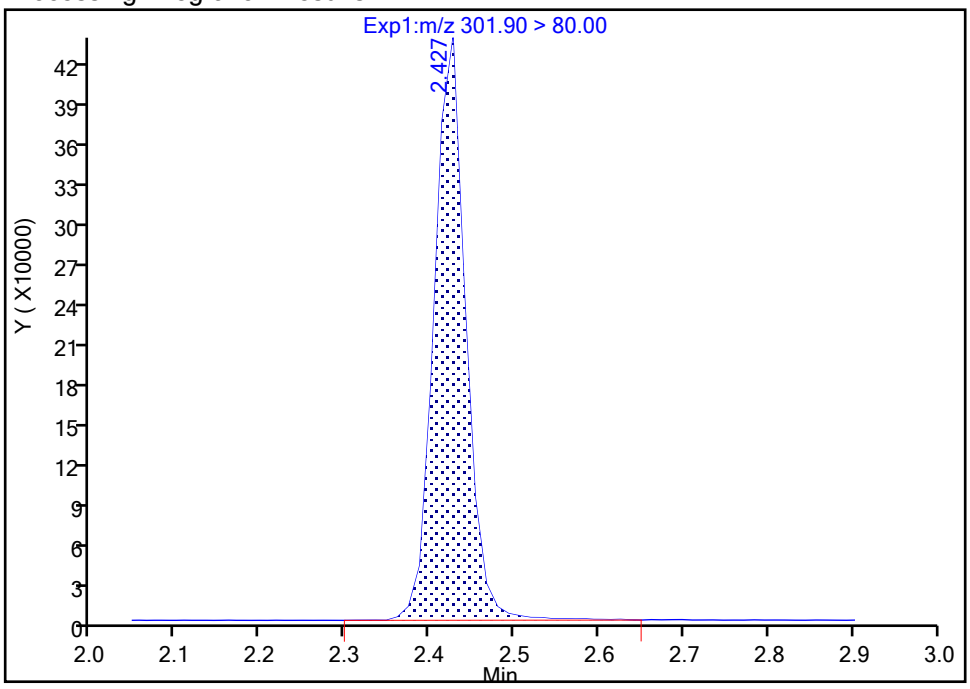
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Injection Date:	03-Mar-2021 18:58:07	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

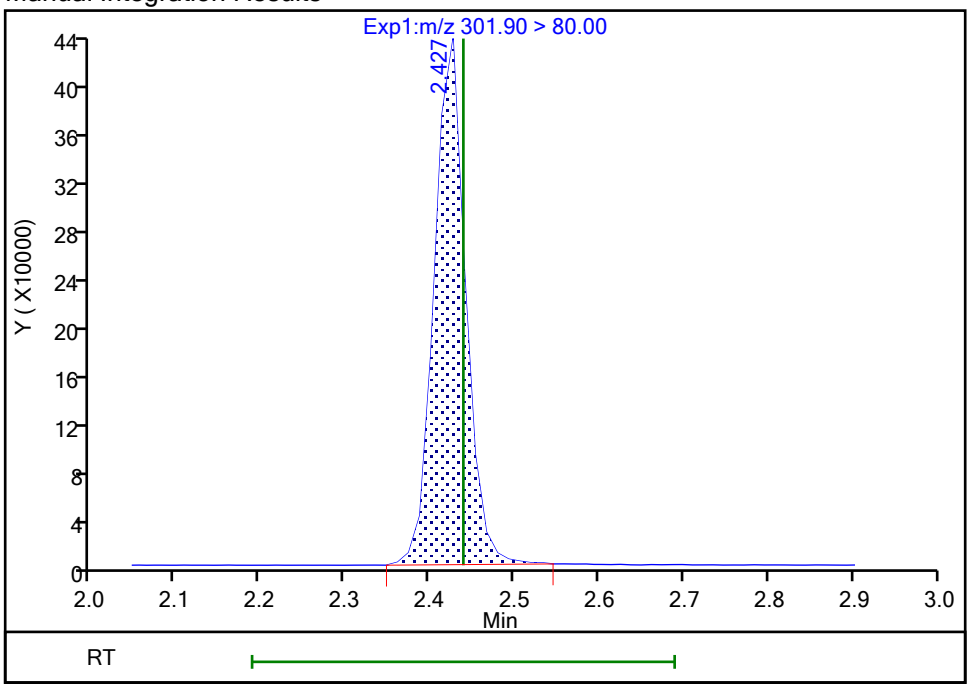
Processing Integration Results

RT: 2.43
Area: 1133470
Amount: 1.064395
Amount Units: ng/ml



Manual Integration Results

RT: 2.43
Area: 1123996
Amount: 1.055499
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:09:31

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

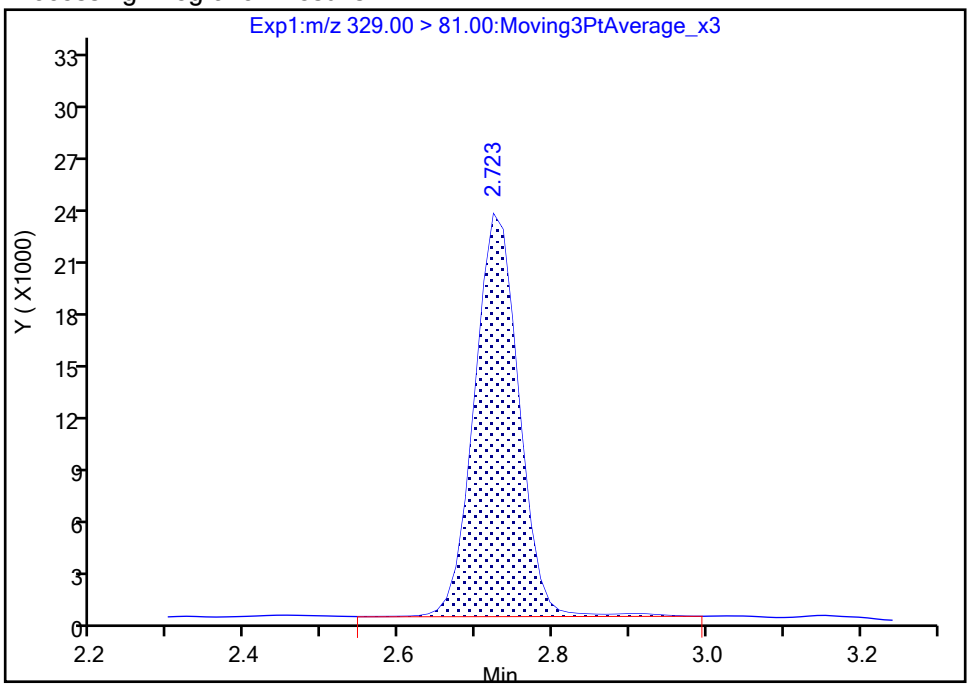
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Injection Date:	03-Mar-2021 18:58:07	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 60 M2-4:2 FTS, CAS: STL02395

Signal: 1

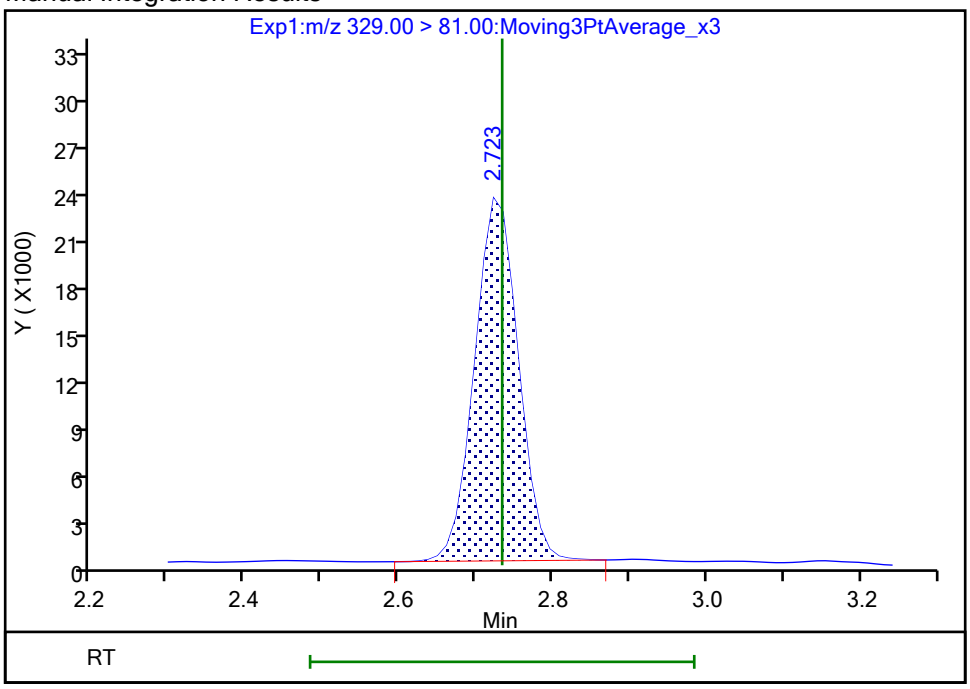
Processing Integration Results

RT: 2.72
Area: 92179
Amount: 1.037501
Amount Units: ng/ml



Manual Integration Results

RT: 2.72
Area: 90469
Amount: 1.018255
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:09:22

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

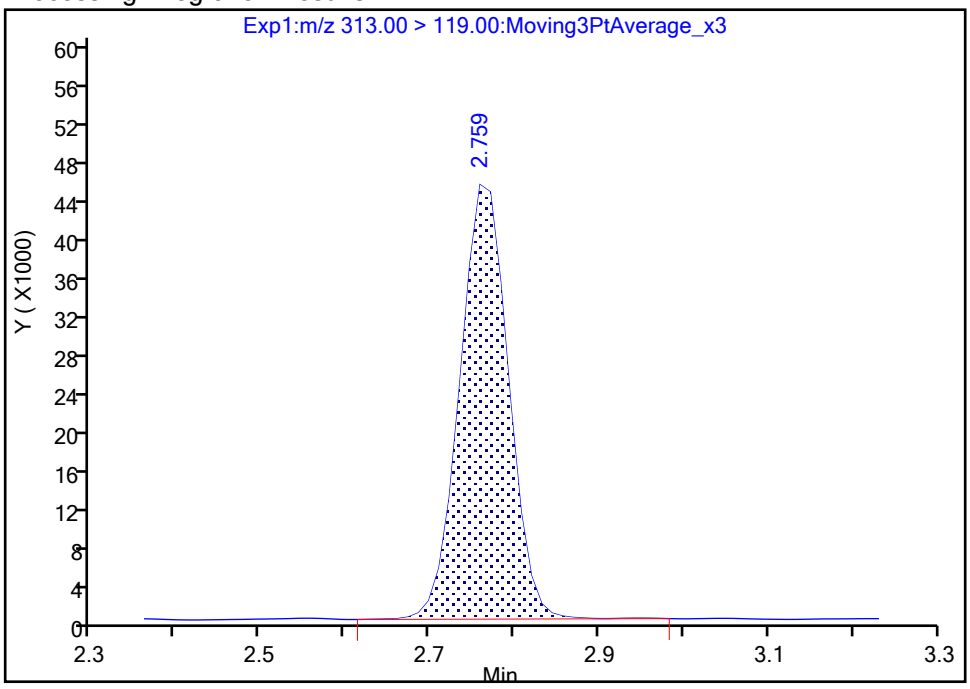
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B01.d				
Injection Date:	03-Mar-2021 18:58:07	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

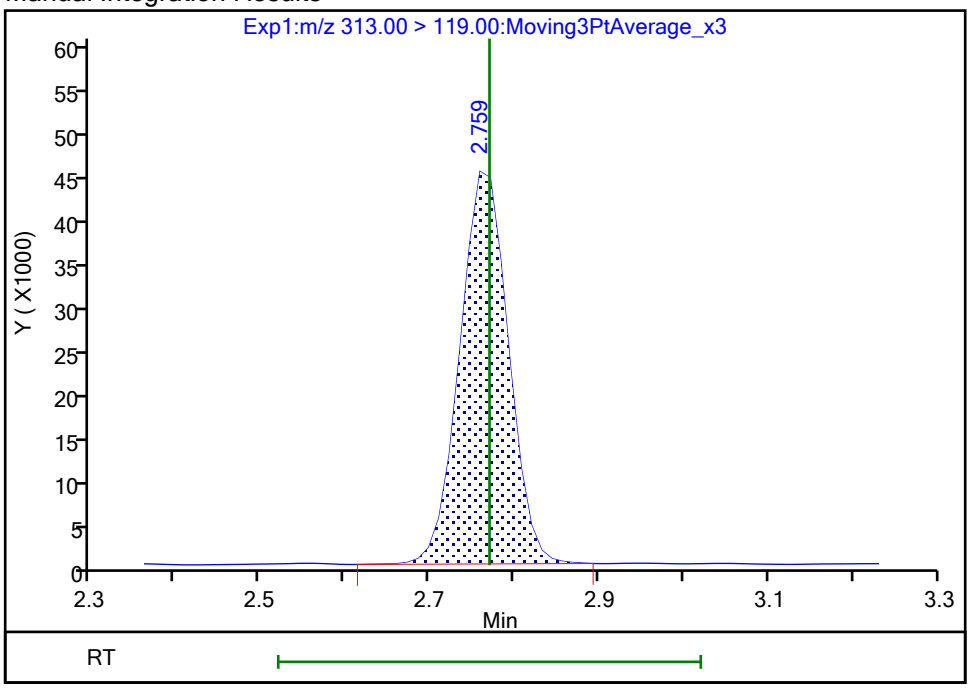
Processing Integration Results

RT: 2.76
Area: 179002
Amount: 2.539019
Amount Units: ng/ml



Manual Integration Results

RT: 2.76
Area: 178476
Amount: 2.533829
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:10:33

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

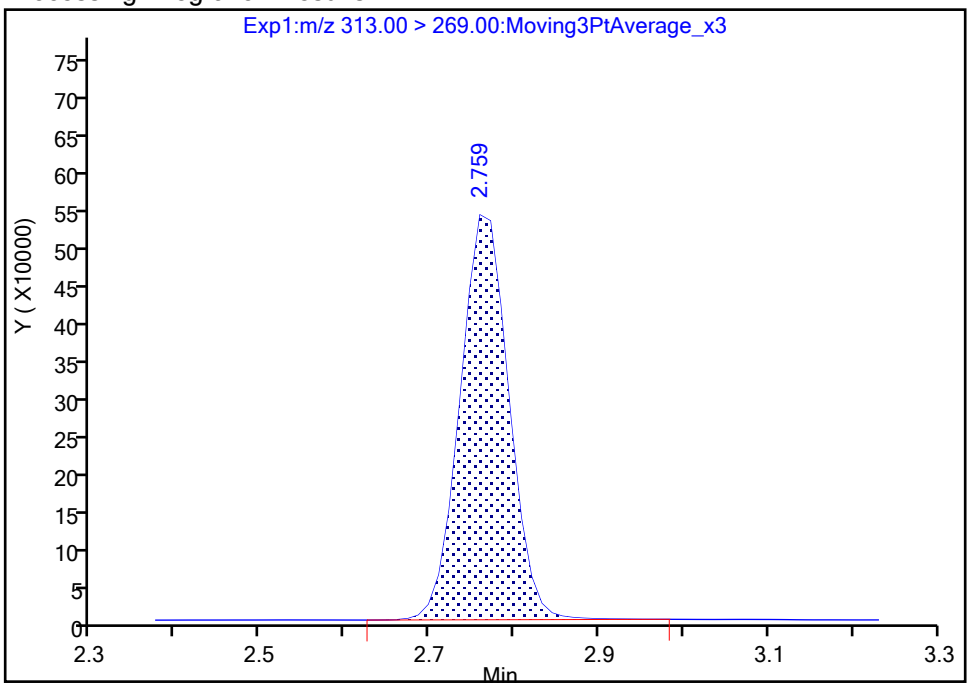
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B01.d				
Injection Date:	03-Mar-2021 18:58:07	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

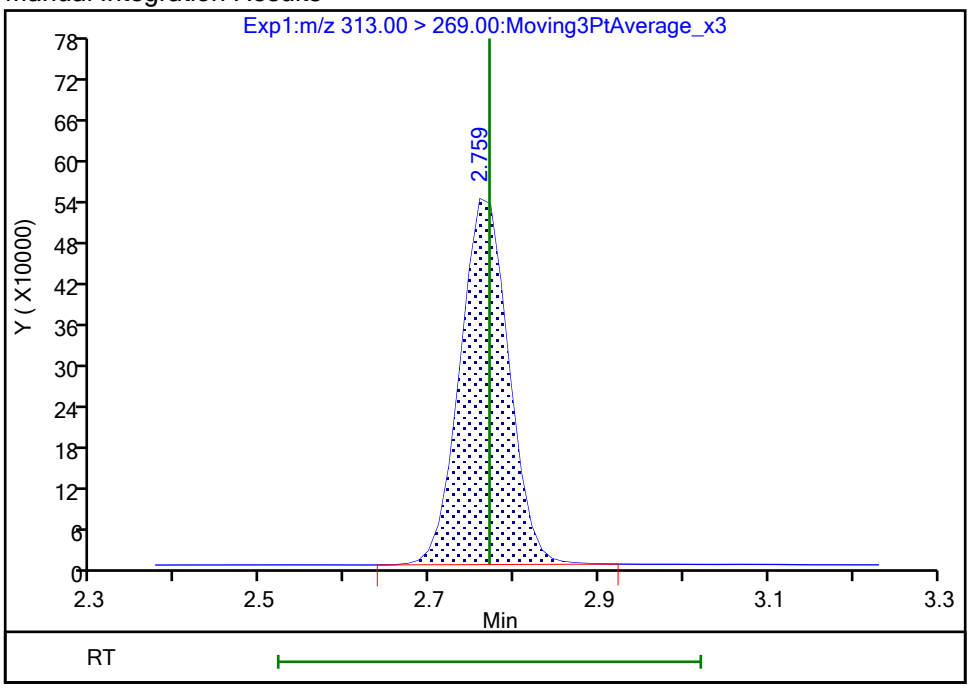
Processing Integration Results

RT: 2.76
Area: 2152297
Amount: 2.539019
Amount Units: ng/ml



Manual Integration Results

RT: 2.76
Area: 2147897
Amount: 2.533829
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:10:40
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

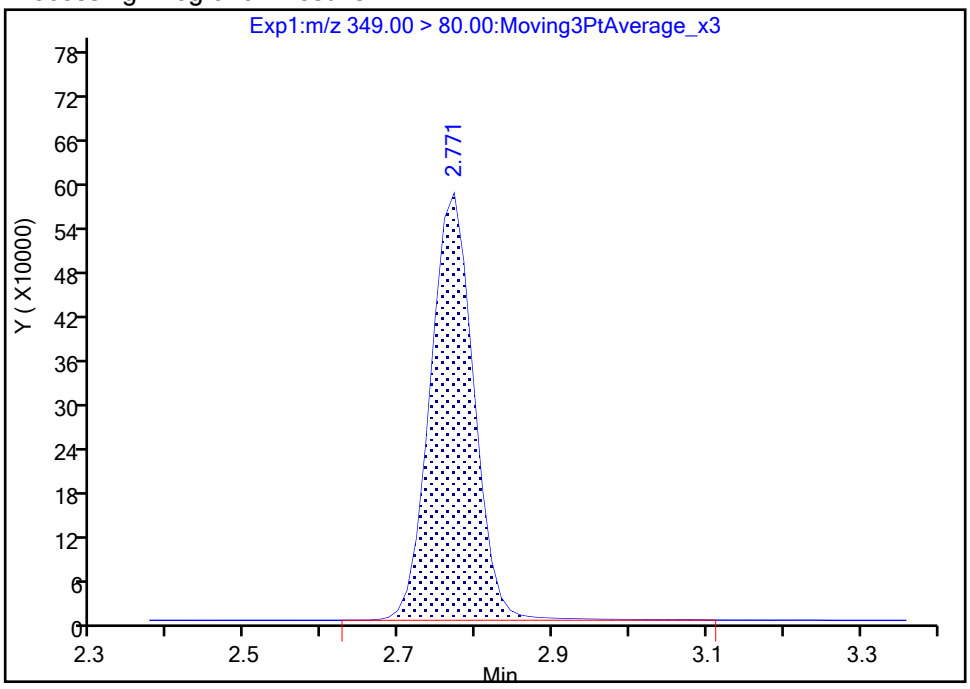
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B01.d				
Injection Date:	03-Mar-2021 18:58:07	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 1

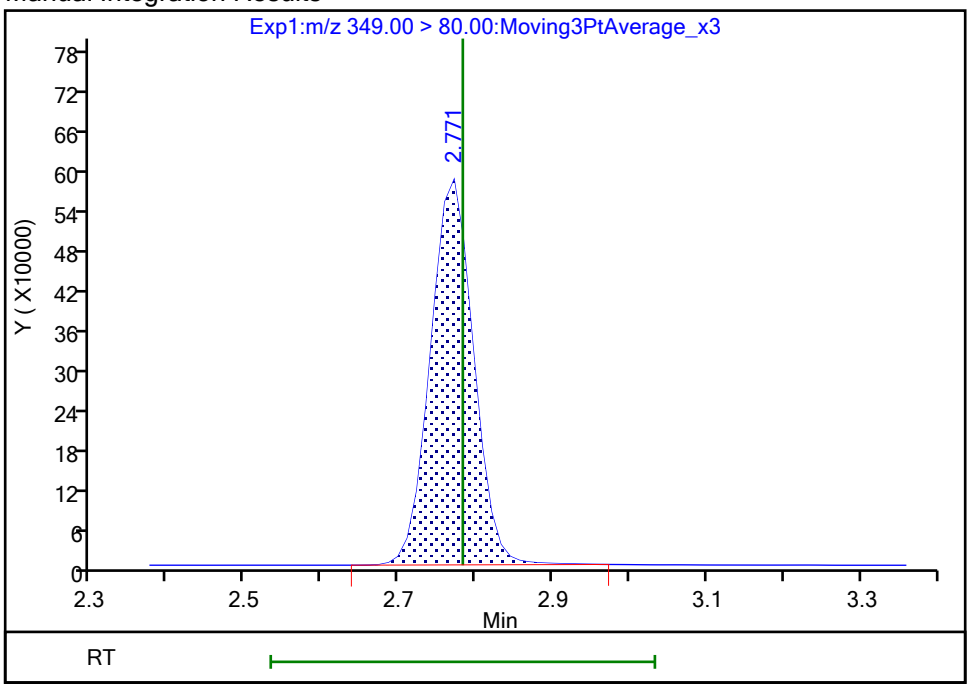
Processing Integration Results

RT: 2.77
Area: 2283802
Amount: 2.425833
Amount Units: ng/ml



Manual Integration Results

RT: 2.77
Area: 2271124
Amount: 2.412367
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:10:48

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

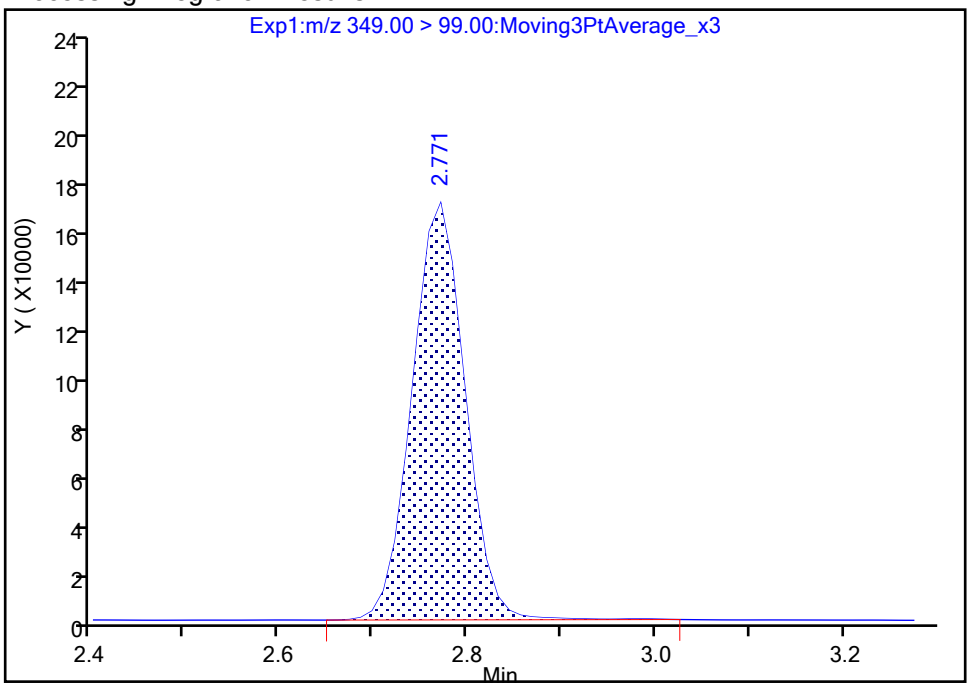
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B01.d				
Injection Date:	03-Mar-2021 18:58:07	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 2

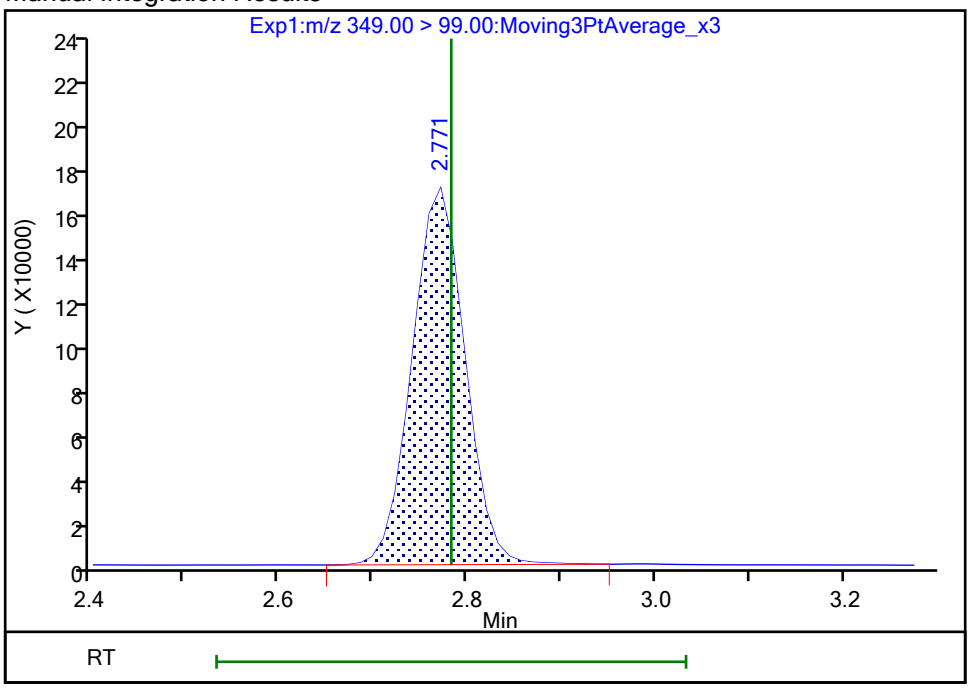
Processing Integration Results

RT: 2.77
Area: 647221
Amount: 2.425833
Amount Units: ng/ml



Manual Integration Results

RT: 2.77
Area: 645072
Amount: 2.412367
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:10:59

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

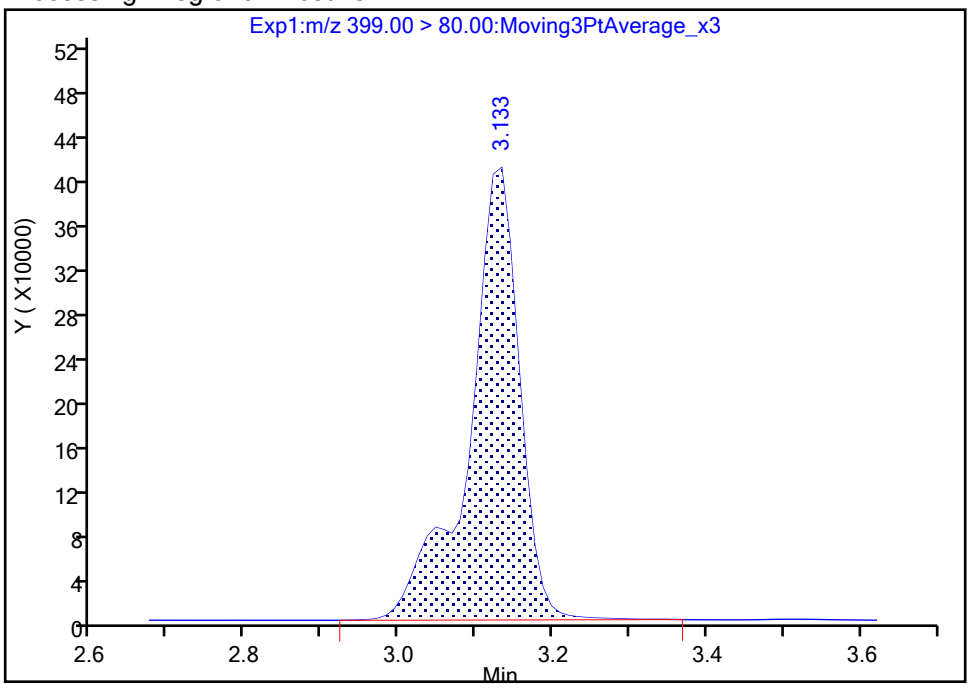
Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B01.d
Injection Date: 03-Mar-2021 18:58:07 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

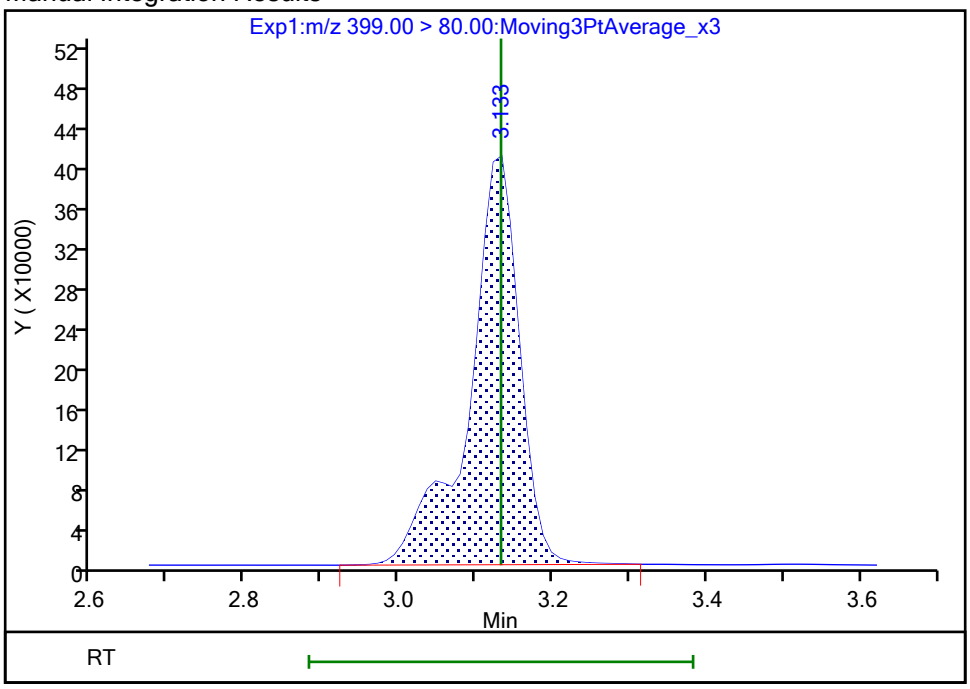
Processing Integration Results

RT: 3.13
Area: 1858205
Amount: 2.197933
Amount Units: ng/ml



Manual Integration Results

RT: 3.13
Area: 1853700
Amount: 2.192604
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:11:07
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

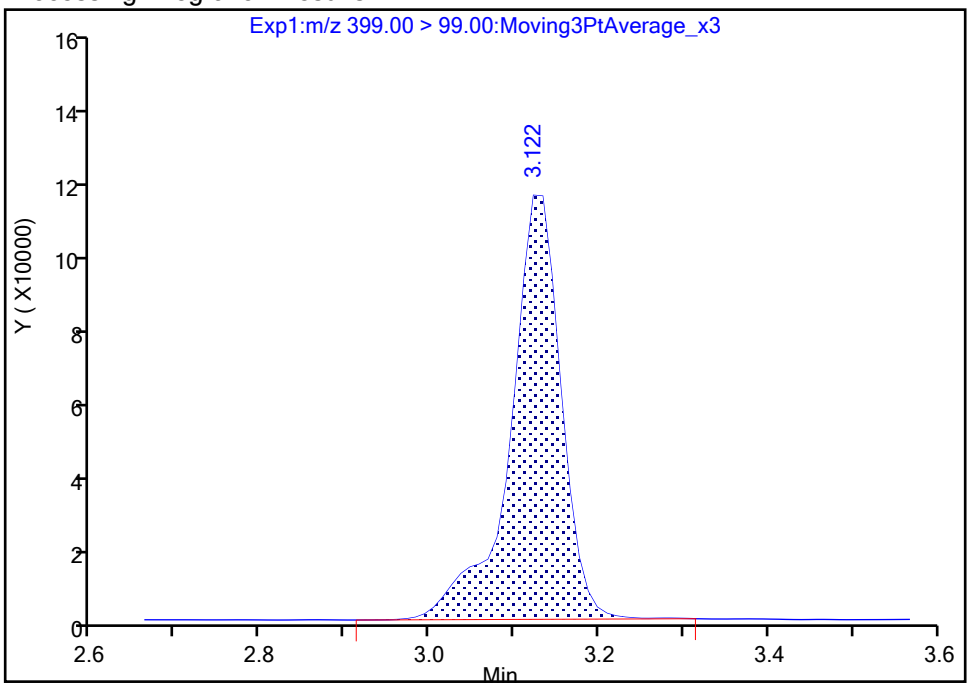
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B01.d				
Injection Date:	03-Mar-2021 18:58:07	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

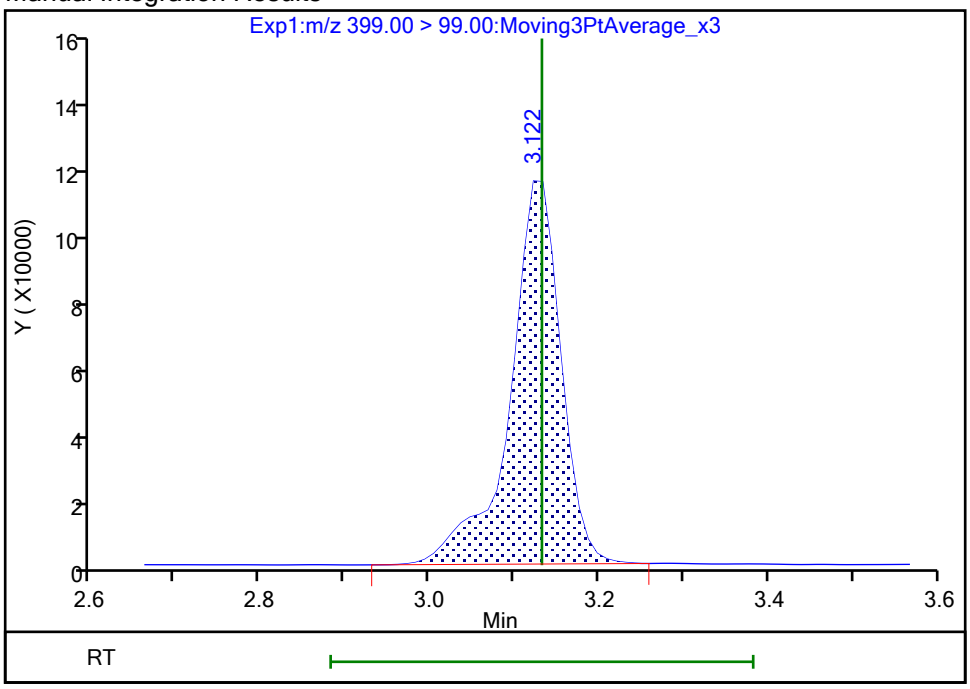
Processing Integration Results

RT: 3.12
Area: 463280
Amount: 2.197933
Amount Units: ng/ml



Manual Integration Results

RT: 3.12
Area: 461592
Amount: 2.192604
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:11:13

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

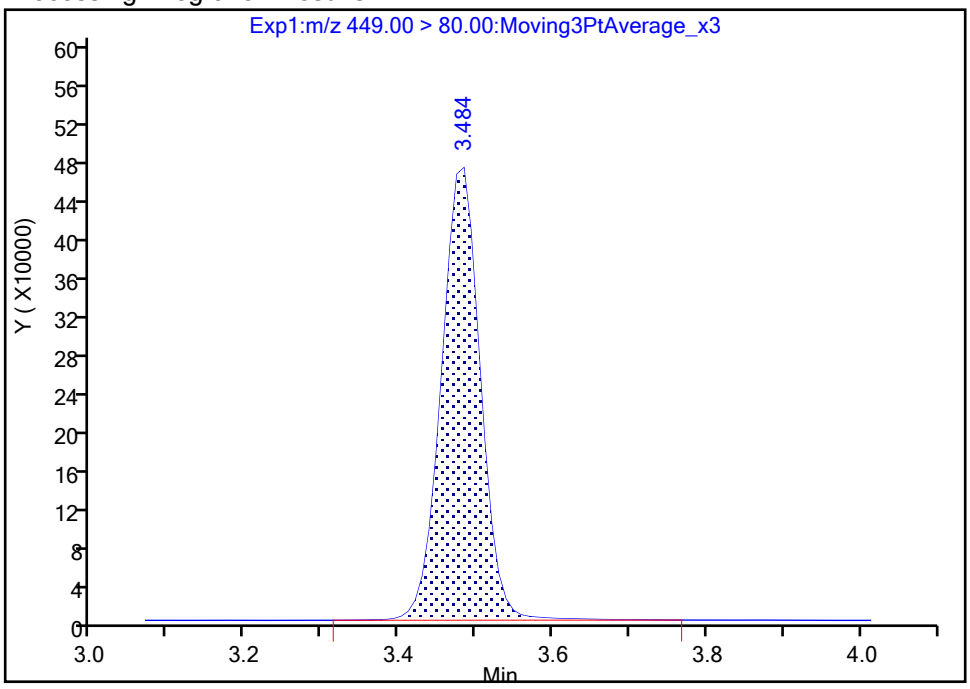
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B01.d				
Injection Date:	03-Mar-2021 18:58:07	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

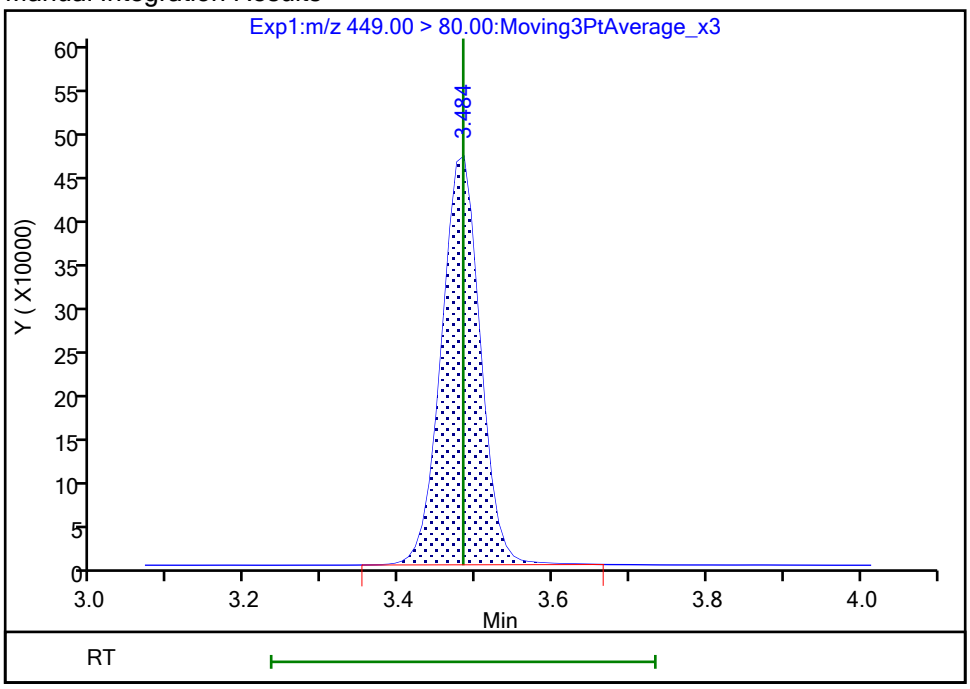
Processing Integration Results

RT: 3.48
Area: 1635567
Amount: 2.380614
Amount Units: ng/ml



Manual Integration Results

RT: 3.48
Area: 1627352
Amount: 2.368657
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:11:27

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

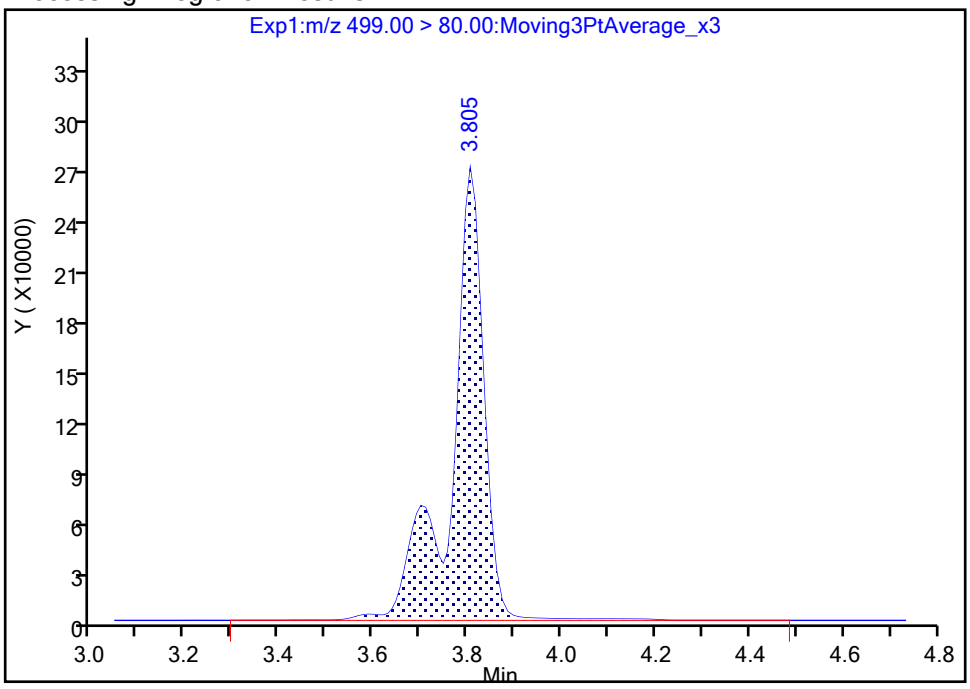
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B01.d				
Injection Date:	03-Mar-2021 18:58:07	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

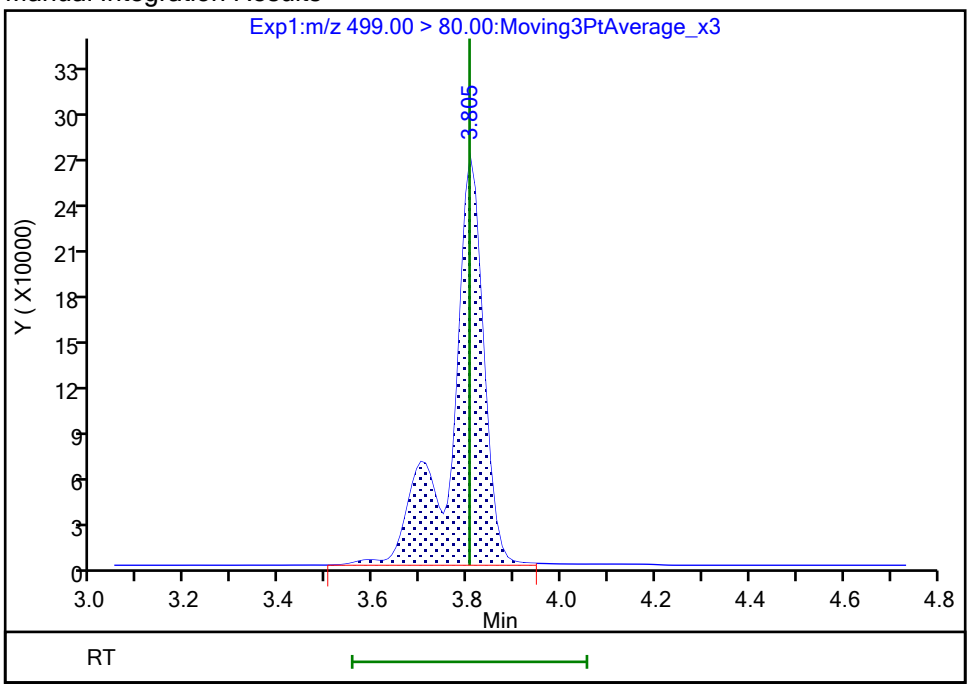
Processing Integration Results

RT: 3.81
Area: 1306192
Amount: 2.231935
Amount Units: ng/ml



Manual Integration Results

RT: 3.81
Area: 1292723
Amount: 2.208920
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:11:51

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

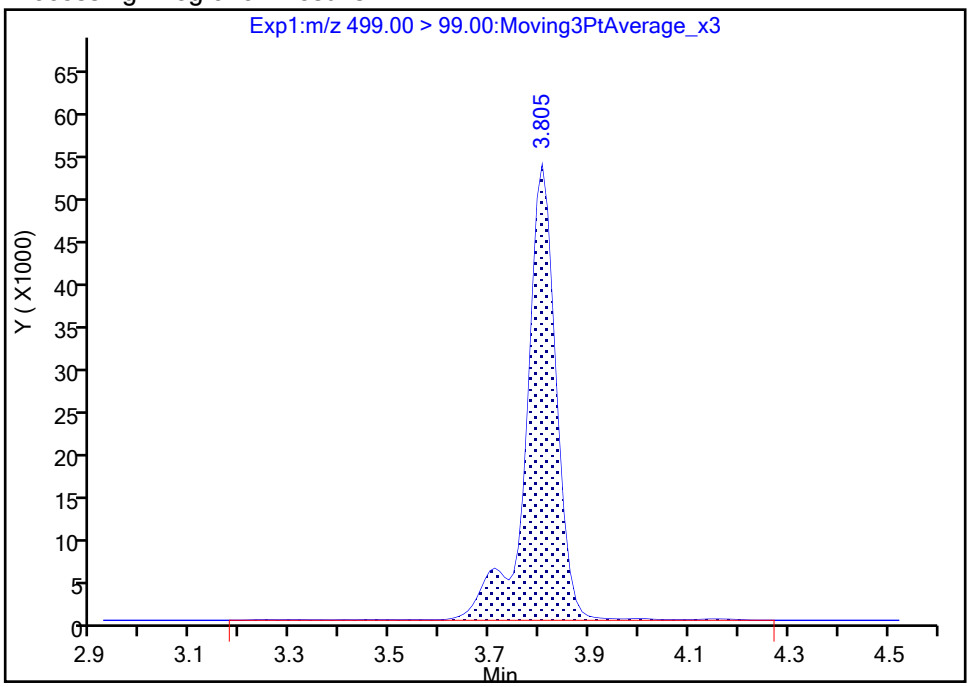
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B01.d				
Injection Date:	03-Mar-2021 18:58:07	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

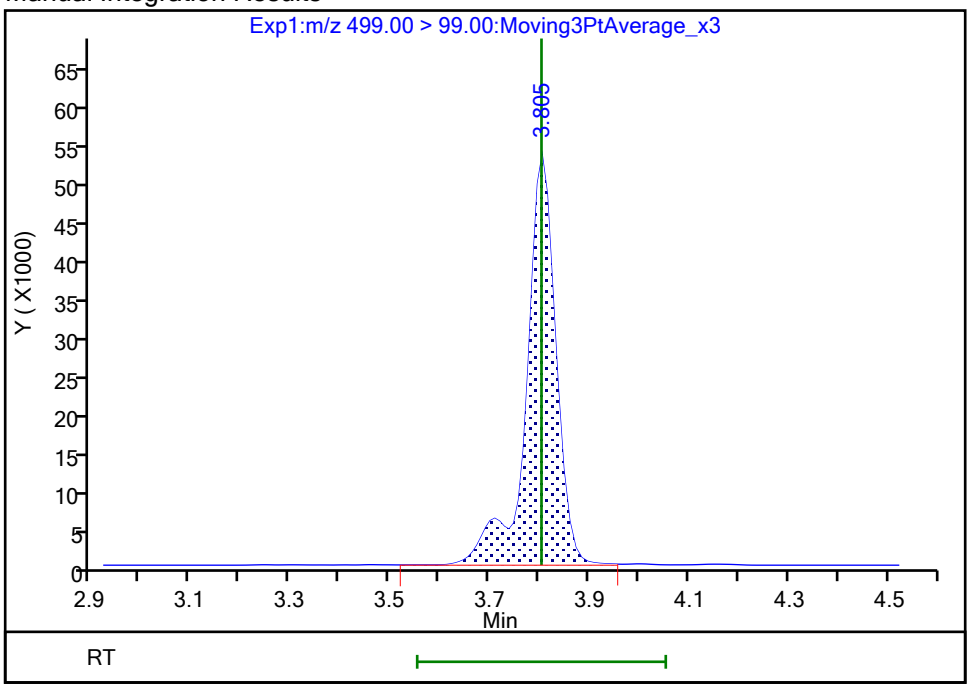
Processing Integration Results

RT: 3.81
Area: 227090
Amount: 2.231935
Amount Units: ng/ml



Manual Integration Results

RT: 3.81
Area: 224819
Amount: 2.208920
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:12:03
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

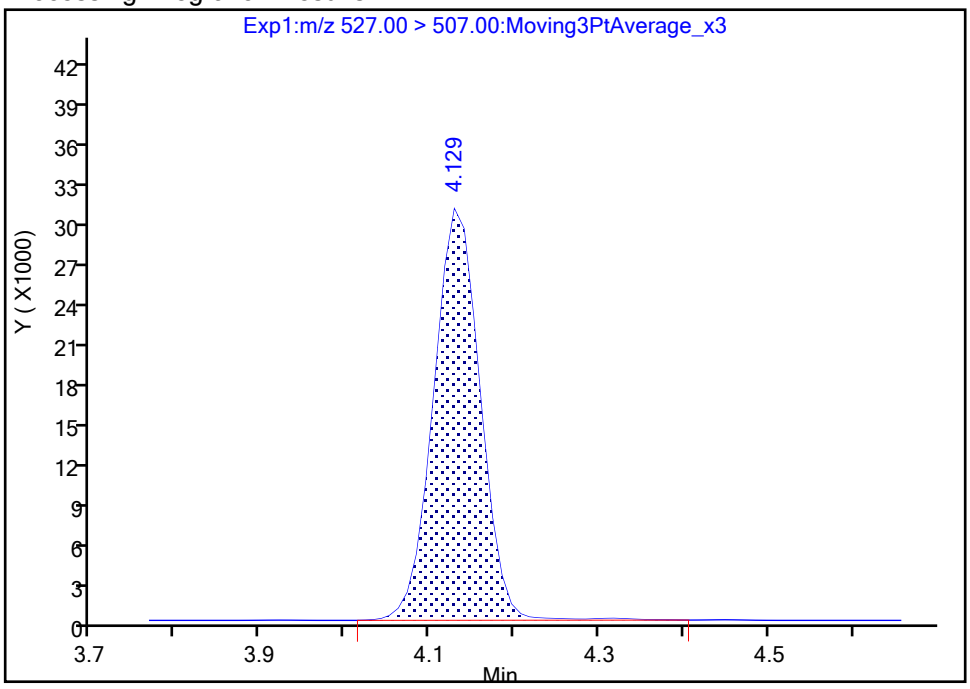
Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B01.d
Injection Date: 03-Mar-2021 18:58:07 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

25 1H,1H,2H,2H-perfluorodecanesulfo, CAS: 39108-34-4

Signal: 1

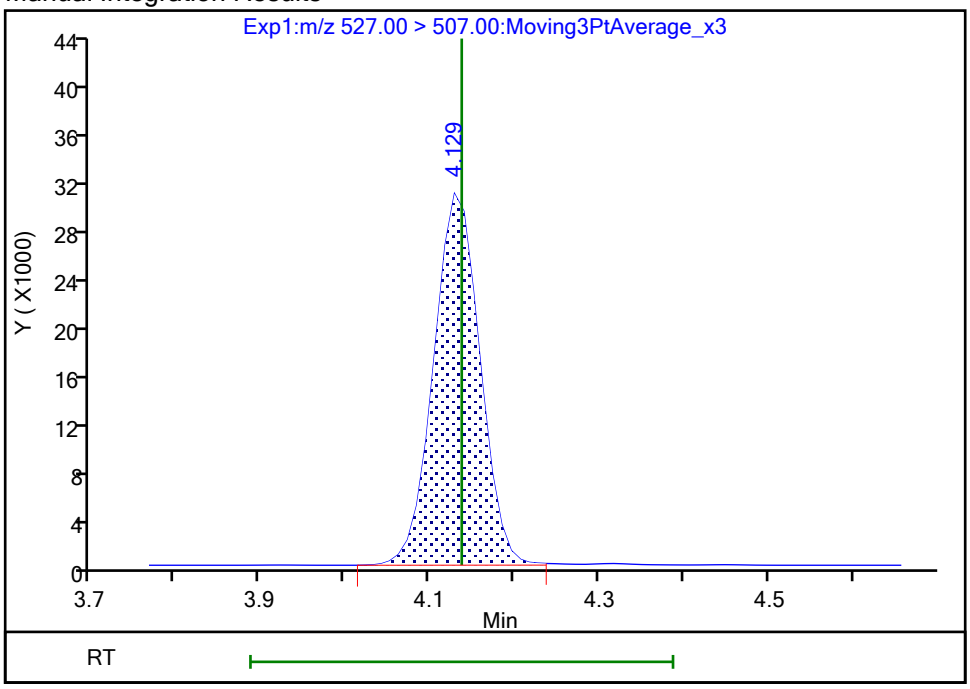
Processing Integration Results

RT: 4.13
Area: 118049
Amount: 2.061894
Amount Units: ng/ml



Manual Integration Results

RT: 4.13
Area: 117387
Amount: 2.050331
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:12:14
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

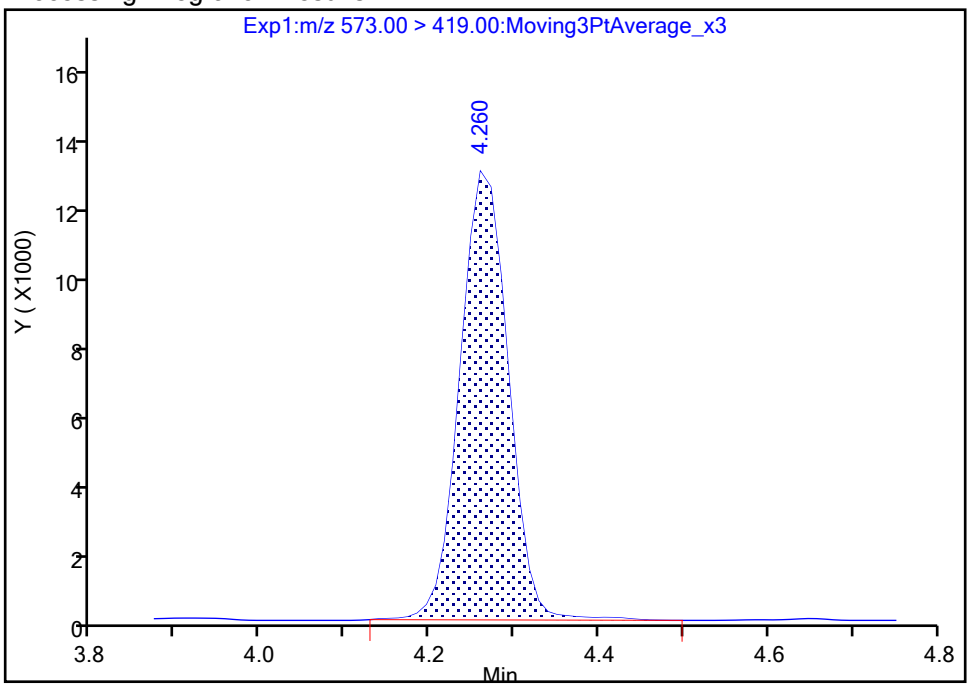
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B01.d				
Injection Date:	03-Mar-2021 18:58:07	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

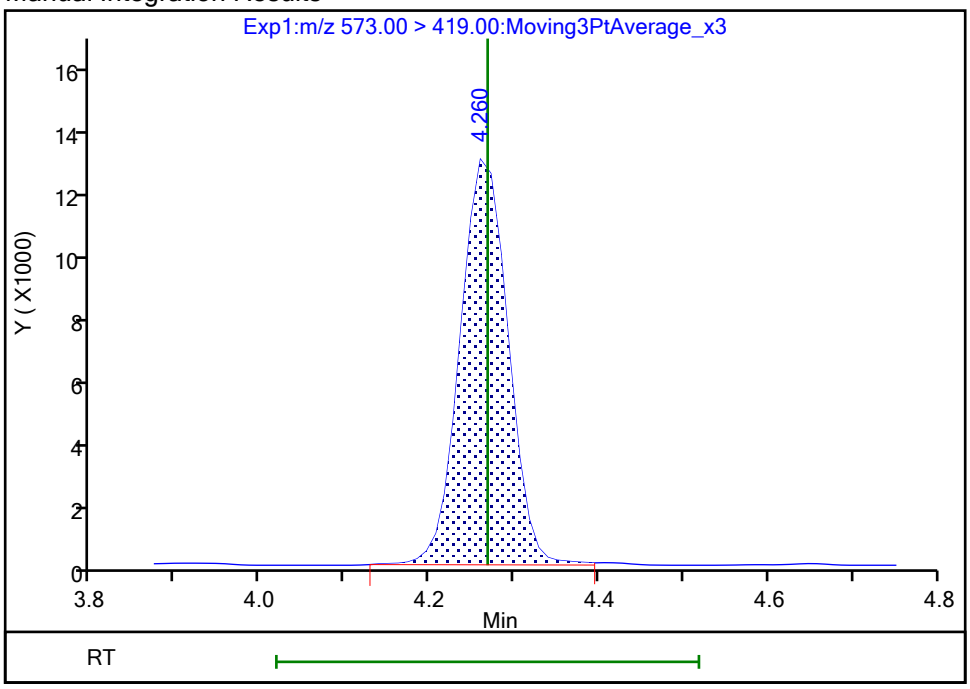
Processing Integration Results

RT: 4.26
Area: 50440
Amount: 0.999764
Amount Units: ng/ml



Manual Integration Results

RT: 4.26
Area: 50240
Amount: 0.995800
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:09:55

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

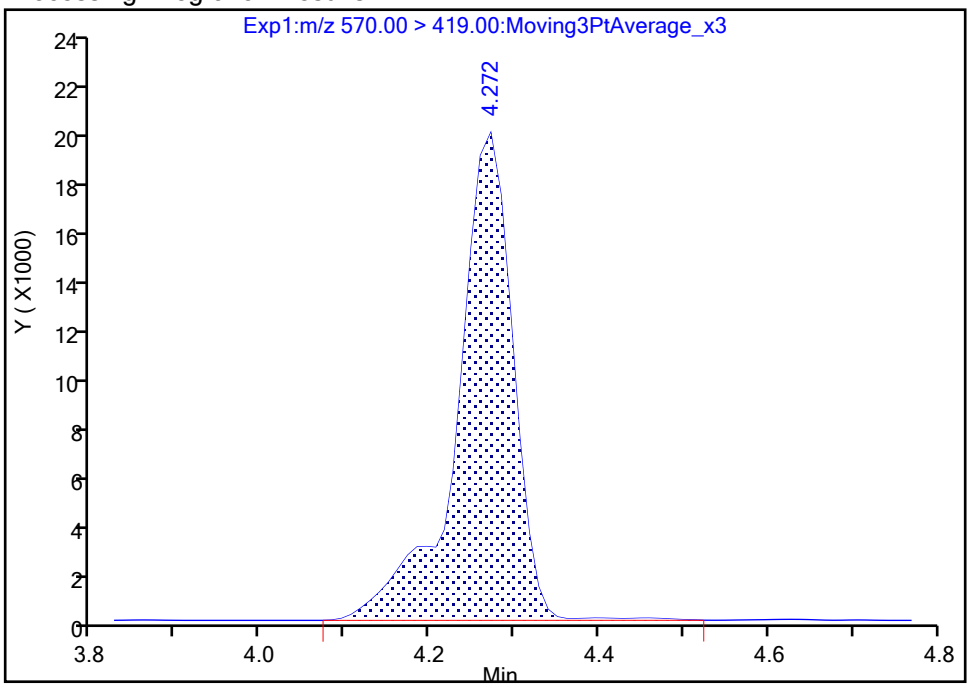
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B01.d				
Injection Date:	03-Mar-2021 18:58:07	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

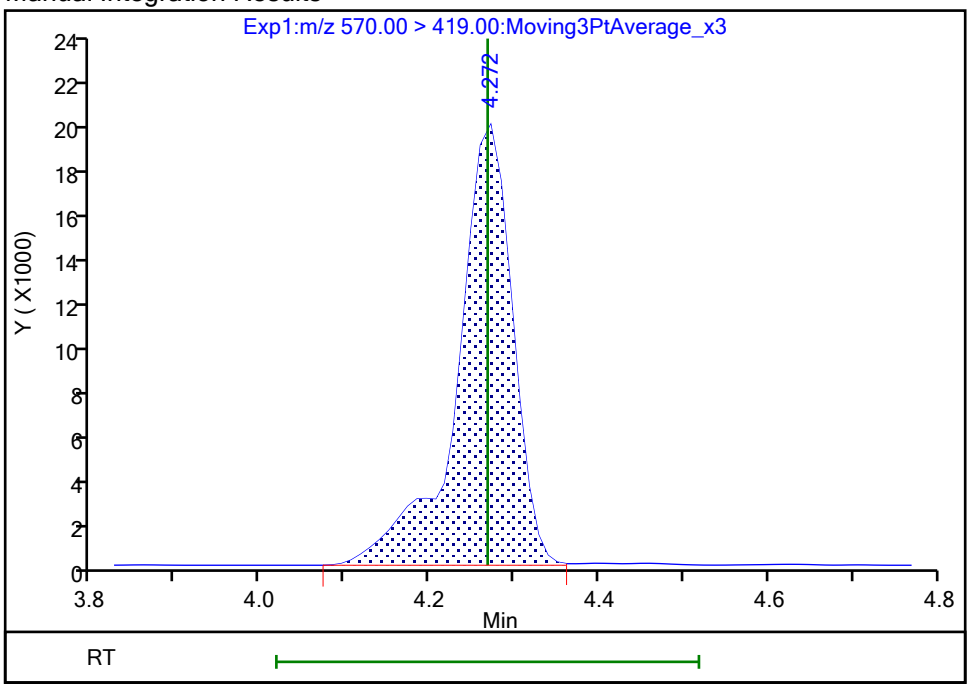
Processing Integration Results

RT: 4.27
Area: 91670
Amount: 2.573203
Amount Units: ng/ml



Manual Integration Results

RT: 4.27
Area: 91071
Amount: 2.556389
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:12:22

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

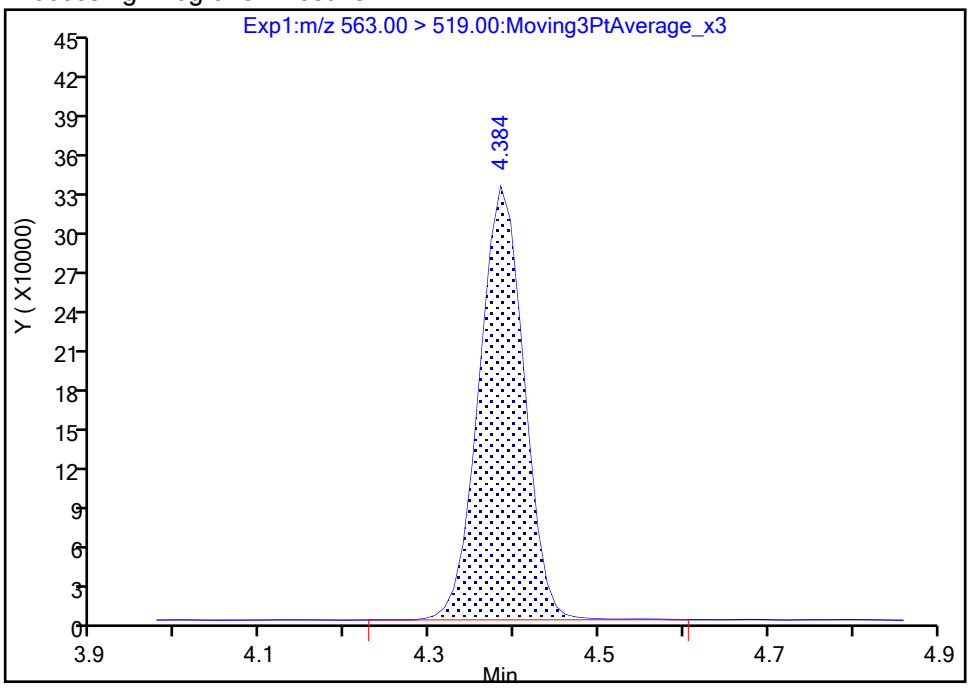
Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B01.d
Injection Date: 03-Mar-2021 18:58:07 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

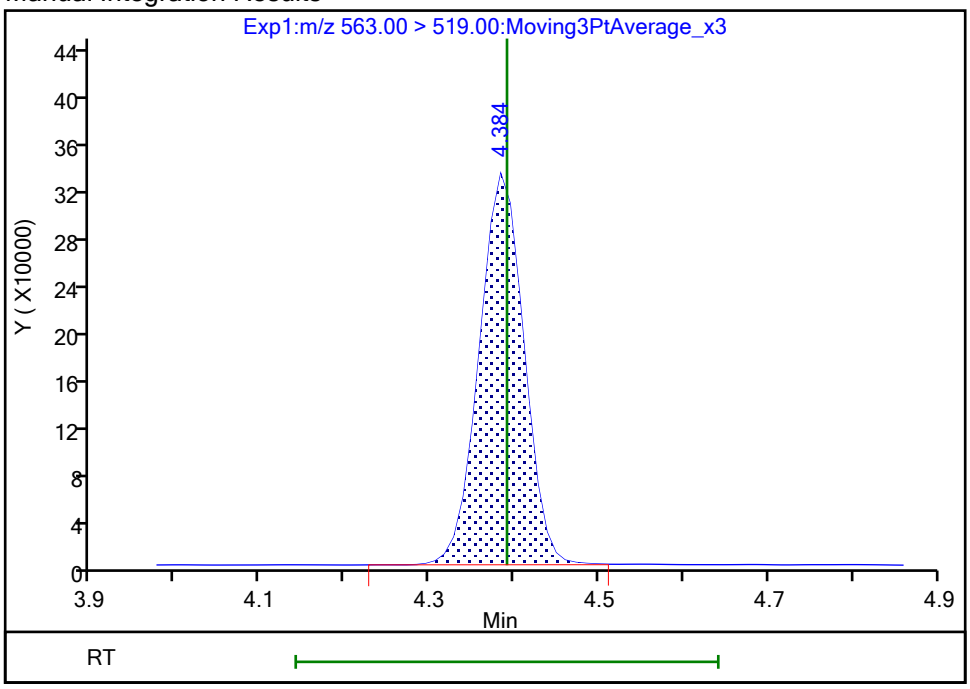
Processing Integration Results

RT: 4.38
Area: 1206772
Amount: 2.587245
Amount Units: ng/ml



Manual Integration Results

RT: 4.38
Area: 1205170
Amount: 2.583811
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:12:33
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

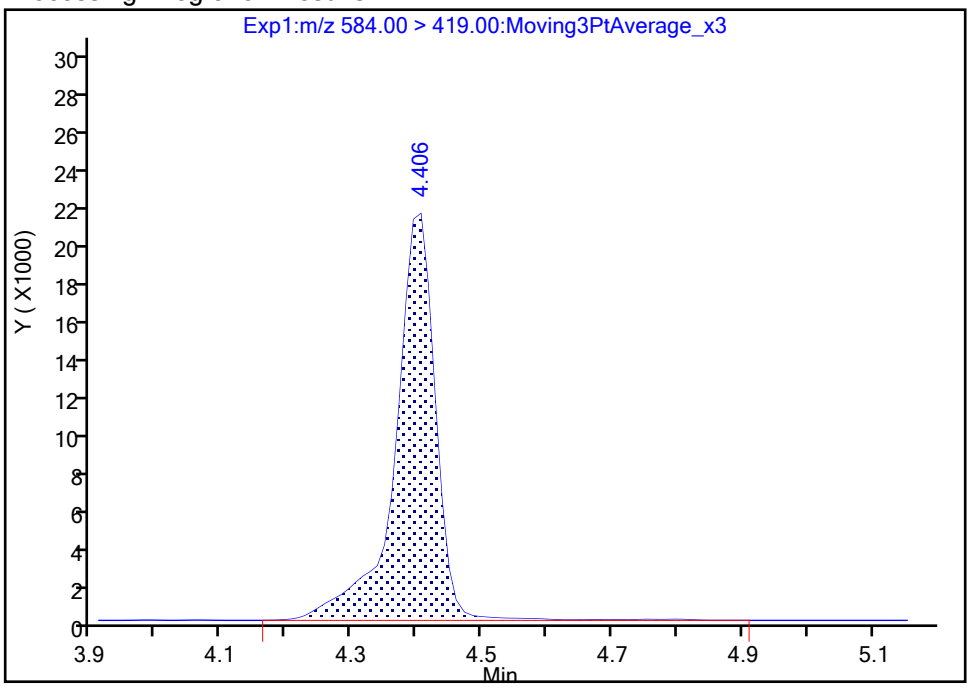
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B01.d				
Injection Date:	03-Mar-2021 18:58:07	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

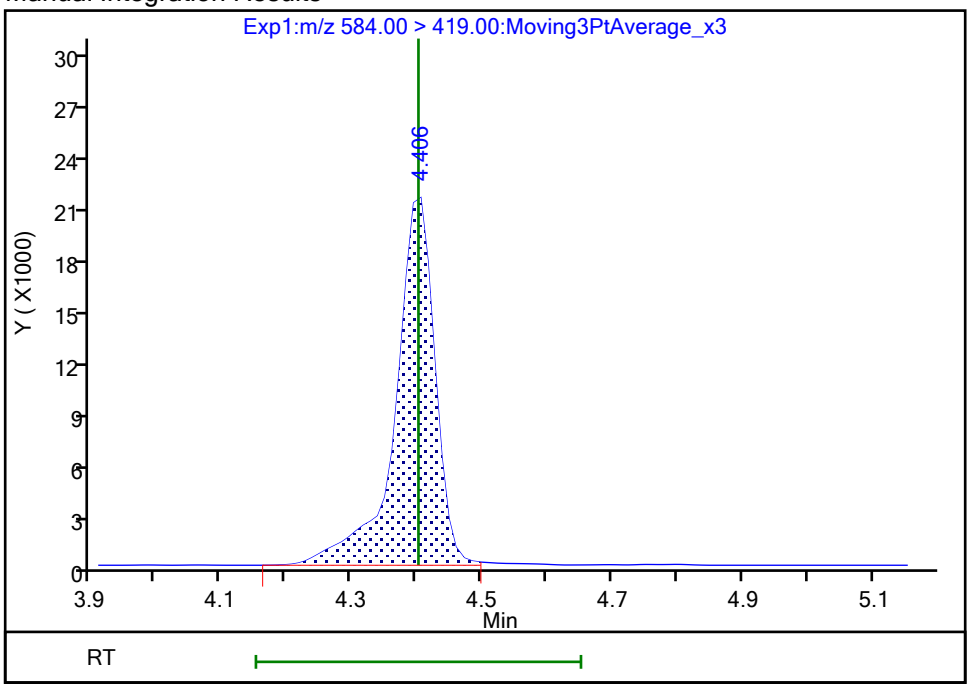
Processing Integration Results

RT: 4.41
Area: 92890
Amount: 2.450374
Amount Units: ng/ml



Manual Integration Results

RT: 4.41
Area: 91793
Amount: 2.421435
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:12:29

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

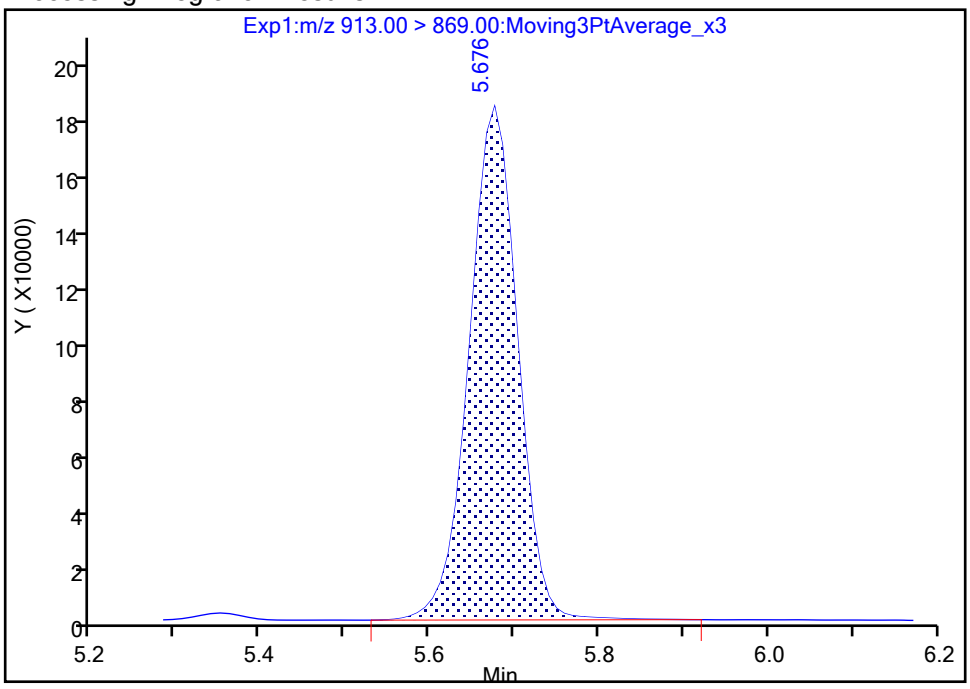
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Injection Date:	03-Mar-2021 18:58:07	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

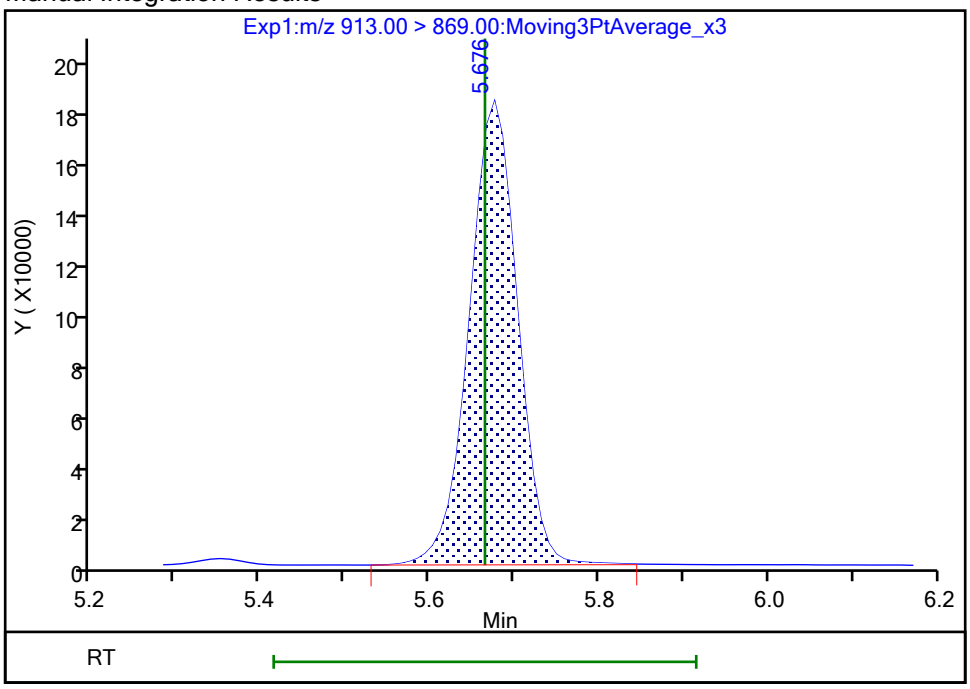
Processing Integration Results

RT: 5.68
Area: 723220
Amount: 2.249607
Amount Units: ng/ml



Manual Integration Results

RT: 5.68
Area: 722735
Amount: 2.248098
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:12:44

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

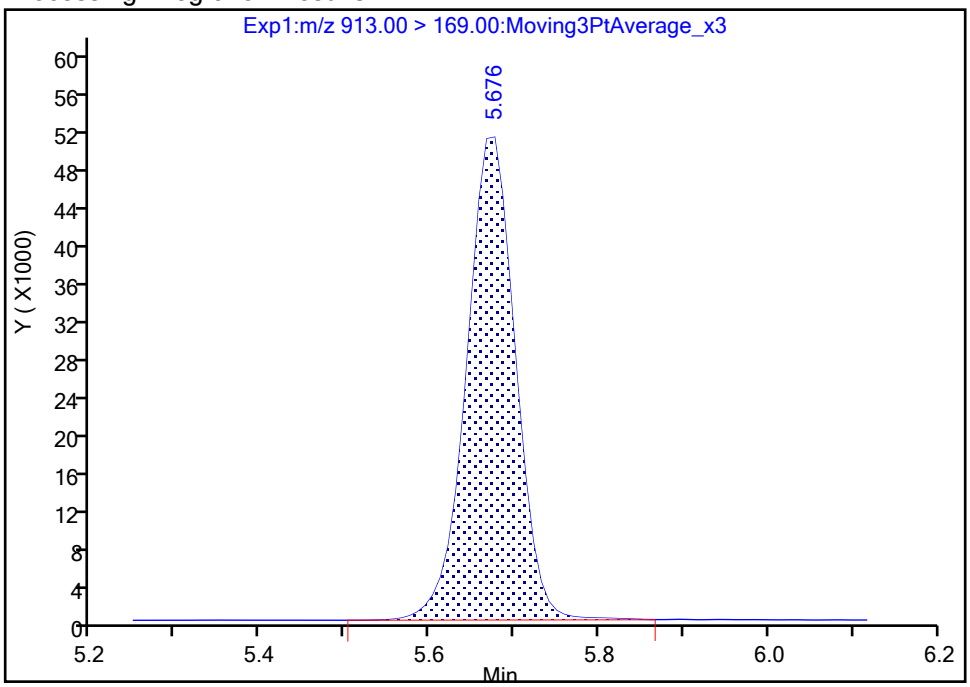
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B01.d				
Injection Date:	03-Mar-2021 18:58:07	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

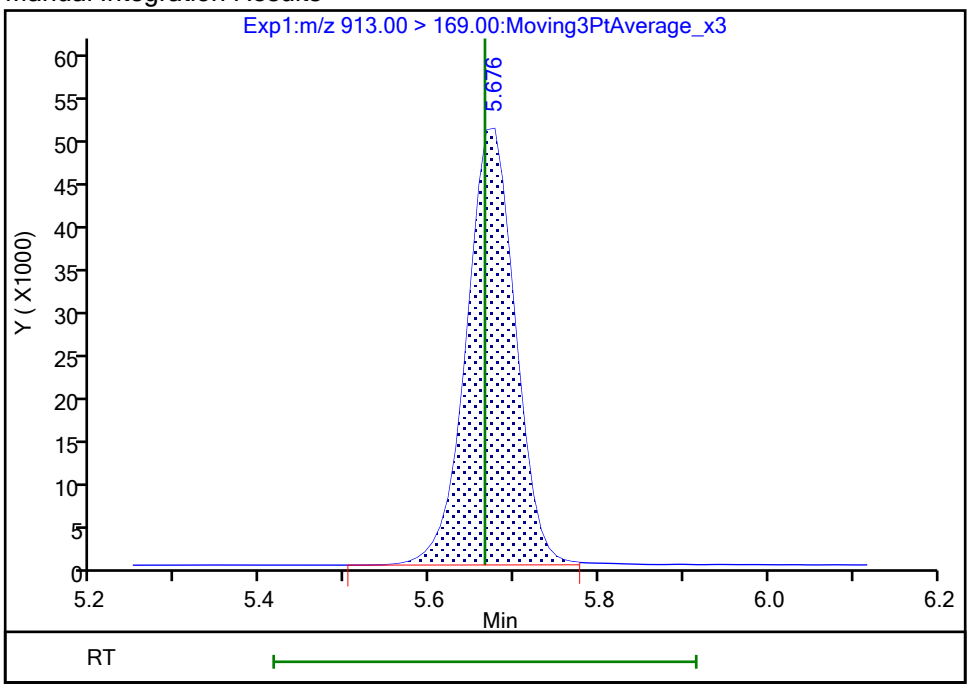
Processing Integration Results

RT: 5.68
Area: 205310
Amount: 2.249607
Amount Units: ng/ml



Manual Integration Results

RT: 5.68
Area: 204616
Amount: 2.248098
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:12:46

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM VII
LCMS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Lab Sample ID: CCV 200-164492/14 Calibration Date: 03/03/2021 20:45

Instrument ID: LC812 Calib Start Date: 12/22/2020 12:48

GC Column: C-18 ID: 4.60(mm) Calib End Date: 12/22/2020 13:29

Lab File ID: PA210303B14.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorobutanoic acid (PFBA)	AveID	1.002	0.9808		0.979	1.00	-2.1	40.0
Perfluoropentanoic acid (PFPeA)	AveID	1.107	1.073		0.969	1.00	-3.1	40.0
Perfluorobutanesulfonic acid (PFBS)	AveID	1.131	1.136		0.888	0.884	0.4	40.0
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	AveID	1.834	2.006		1.02	0.934	9.4	50.0
Perfluorohexanoic acid (PFHxA)	AveID	1.092	1.108		1.01	1.00	1.4	40.0
Perfluoropentanesulfonic acid	AveID	1.312	1.350		0.965	0.938	2.9	50.0
HFPO-DA	AveID	1.385	1.996		1.44	1.00	44.1*	40.0
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.178	1.160		0.896	0.910	-1.6	40.0
Perfluoroheptanoic acid (PFHpA)	AveID	1.092	1.137		1.04	1.00	4.1	40.0
DONA	AveID	3.349	3.558		1.00	0.942	6.3	50.0
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	AveID	1.112	1.046		0.891	0.948	-6.0	40.0
Perfluoroheptanesulfonic Acid (PFHpS)	AveID	1.350	1.360		0.959	0.952	0.7	50.0
Perfluorooctanoic acid (PFOA)	AveID	1.084	1.078		0.994	1.00	-0.6	40.0
Perfluorooctanesulfonic acid (PFOS)	AveID	1.150	1.163		0.939	0.928	1.2	40.0
Perfluorononanoic acid (PFNA)	AveID	1.107	1.085		0.980	1.00	-2.0	40.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	AveID	1.283	1.177		0.855	0.932	-8.3	50.0
Perfluorononanesulfonic acid	AveID	0.8581	0.8652		0.968	0.960	0.8	50.0
Perfluorodecanoic acid (PFDA)	AveID	1.031	1.040		1.01	1.00	1.0	40.0
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	AveID	0.6801	0.5765		0.812	0.958	-15.2	40.0
Perfluorooctanesulfonamide (PFOSA)	AveID	1.002	1.041		1.04	1.00	3.9	40.0
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	0.8864	0.9456		1.07	1.00	6.7	40.0
Perfluorodecanesulfonic acid (PFDS)	AveID	0.6841	0.6972		0.983	0.964	1.9	50.0
Perfluoroundecanoic acid (PFUnA)	AveID	1.020	1.107		1.09	1.00	8.6	40.0
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.9257	0.9263		1.00	1.00	0.0	40.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	AveID	1.331	1.085		0.767	0.942	-18.5	50.0
Perfluorododecanoic acid (PFDoA)	AveID	1.100	1.069		0.972	1.00	-2.8	40.0
10:2 FTS	AveID	0.3501	0.3026		0.833	0.964	-13.6	50.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.2517	0.2523		0.970	0.968	0.3	50.0
Perfluorotridecanoic acid (PFTriA)	AveID	0.8926	0.9112		1.02	1.00	2.1	50.0

FORM VII
LCMS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Lab Sample ID: CCV 200-164492/14 Calibration Date: 03/03/2021 20:45

Instrument ID: LC812 Calib Start Date: 12/22/2020 12:48

GC Column: C-18 ID: 4.60(mm) Calib End Date: 12/22/2020 13:29

Lab File ID: PA210303B14.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorotetradecanoic acid (PFTeA)	AveID	0.1855	0.1971		1.06	1.00	6.3	40.0
Perfluoro-n-hexadecanoic acid (PFHxDA)	L1ID		0.996		1.05	1.00	5.4	40.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	0.8998	0.8077		0.898	1.00	-10.2	50.0
13C4 PFBA	Ave	1.343	1.313		1.22	1.25	-2.3	50.0
13C5 PFPeA	Ave	0.9710	0.9612		1.24	1.25	-1.0	50.0
13C3 PFBS	Ave	1.278	1.215		1.11	1.16	-4.9	50.0
M2-4:2 FTS	Ave	0.1066	0.0905		0.991	1.17	-15.1	50.0
13C2 PFHxA	Ave	1.018	1.008		1.24	1.25	-1.0	50.0
13C3 HFPO-DA	Ave	0.1792	0.1064		0.742	1.25	-40.6	50.0
13C4 PFHpA	Ave	0.9742	0.9503		1.22	1.25	-2.5	50.0
18O2 PFHxS	Ave	0.9511	0.9173		1.14	1.18	-3.6	50.0
M2-6:2 FTS	Ave	0.1187	0.1122		1.12	1.19	-5.5	50.0
13C4 PFOA	Ave	0.9896	0.9582		1.21	1.25	-3.2	50.0
13C4 PFOS	Ave	0.6528	0.6183		1.13	1.20	-5.3	50.0
13C5 PFNA	Ave	0.8730	0.8148		1.17	1.25	-6.7	50.0
13C2 PFDA	Ave	0.8346	0.7485		1.12	1.25	-10.3	50.0
M2-8:2 FTS	Ave	0.1225	0.1125		1.10	1.20	-8.2	50.0
13C8 FOSA	Ave	1.227	1.138		1.16	1.25	-7.2	50.0
d3-NMeFOSAA	Ave	0.0605	0.0487		1.00	1.25	-19.6	50.0
13C2 PFUnA	Ave	0.6856	0.5649		1.03	1.25	-17.6	50.0
d5-NEtFOSAA	Ave	0.0585	0.0501		1.07	1.25	-14.4	50.0
13C2 PFDoA	Ave	0.7238	0.5944		1.03	1.25	-17.9	50.0
13C2 PFTeDA	Ave	0.5353	0.4550		1.06	1.25	-15.0	50.0
13C2 PFHxDA	Ave	0.5718	0.4729		1.03	1.25	-17.3	50.0

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B14.d
Lims ID: CCV L4
Client ID:
Sample Type: CCV
Inject. Date: 03-Mar-2021 20:45:55 ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: CCV L4
Misc. Info.: 200-0045034-014 Plate: 1 Rack: 2
Operator ID: lc812tech Instrument ID: LC812
Sublist: chrom-PFC_LC812*sub3

Method: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 04-Mar-2021 11:31:15 Calib Date: 22-Dec-2020 13:29:37
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1647

First Level Reviewer: khanphomeea Date: 04-Mar-2021 10:27:24
Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.089	2.091	-0.002	0.598	1341603	1.22		97.7	8959	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.089	2.091	-0.002	1.000	1052636	0.9788		97.9	267	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.411	2.413	-0.002	0.690	982424	1.24		99.0	3077	
4 Perfluoropentanoic acid										
262.90 > 219.00	2.411	2.413	-0.002	1.000	843422	0.9692		96.9	54.4	
D 47 13C3 PFBS										
301.90 > 80.00	2.424	2.439	-0.015	0.694	1155340	1.11		95.1	439921	
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.424	2.439	-0.015	1.000	998097	0.8877	Target=2.21	100	1519	M
298.90 > 99.00	2.424	2.439	-0.015	1.000	443374		2.25(1.11-3.32)		361	
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.732	2.734	-0.002	0.782	86409	0.99		84.9	97.9	M
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.732	2.734	-0.002	1.000	138694	1.02		109	1078	
D 7 13C2 PFHxA										
315.00 > 270.00	2.768	2.770	-0.002	0.793	1030261	1.24		99.0	5910	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.768	2.770	-0.002	1.000	912985	1.01	Target=12.83	101	244	M
313.00 > 119.00	2.768	2.770	-0.002	1.000	75707		12.06(6.42-19.25)		152	
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.768	2.783	-0.015	0.884	949673	0.9648	Target=3.35	103	1679	M
349.00 > 99.00	2.768	2.783	-0.015	0.884	270181		3.51(1.67-5.02)		527	M
D 64 13C3 HFPO-DA										
332.10 > 287.00	2.878	2.880	-0.002	0.824	108760	0.7423		59.4	935	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
67 Perfluoro(2-propoxypropanoic) ac										
329.10 > 285.00	2.878	2.880	-0.002	1.000	173674	1.44		144	38.2	
8 Perfluorohexanesulfonic acid										
399.00 > 80.00	3.132	3.132	0.0	1.000	791562	0.8955	Target=4.15	98.4	1402	
399.00 > 99.00	3.132	3.132	0.0	1.000	180925		4.38(2.08-6.23)		260	
D 11 18O2 PFHxS										
403.00 > 84.00	3.132	3.132	0.0	0.897	886899	1.14		96.4	4240	
D 9 13C4 PFHpA										
367.00 > 322.00	3.132	3.143	-0.011	0.897	971235	1.22		97.5	3735	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.143	3.143	0.0	1.003	883064	1.04	Target=3.66	104	323	
363.00 > 169.00	3.143	3.143	0.0	1.003	238684		3.70(1.83-5.49)		564	
77 DONA										
377.00 > 251.00	3.175	3.175	0.0	0.835	1694641	1.00	Target=2.43	106	1986	
377.00 > 85.00	3.175	3.175	0.0	0.835	679253		2.49(1.22-3.65)		1192	
16 Perfluoroheptanesulfonic acid										
449.00 > 80.00	3.483	3.483	0.0	0.916	654452	0.9587	Target=5.95	101	1660	
449.00 > 99.00	3.483	3.483	0.0	0.916	108674		6.02(2.98-8.93)		525	
D 12 M2-6:2 FTS										
429.00 > 81.00	3.483	3.483	0.0	0.997	108938	1.12		94.5	385	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.483	3.483	0.0	1.000	90963	0.8914		94.0	700	M
D 14 13C4 PFOA										
417.00 > 372.00	3.492	3.492	0.0	1.000	979313	1.21		96.8	5145	
* 62 13C2 PFOA										
415.00 > 370.00	3.492	3.492	0.0		1022066	1.25			2697	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.501	3.492	0.009	1.003	844486	0.99	Target=2.58	99.4	273	
413.00 > 169.00	3.492	3.492	0.0	1.000	340619		2.48(1.29-3.87)		878	M
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.815	3.804	0.011	1.003	545821	0.9387	Target=5.65	101	284	M
499.00 > 99.00	3.804	3.804	0.0	1.000	91353		5.97(2.82-8.47)		466	M
D 18 13C4 PFOS										
503.00 > 80.00	3.804	3.804	0.0	1.089	604176	1.13		94.7	2198	
D 19 13C5 PFNA										
468.00 > 423.00	3.825	3.825	0.0	1.095	832827	1.17		93.3	2429	
20 Perfluorononanoic acid										
463.00 > 419.00	3.825	3.825	0.0	1.000	722822	0.9801	Target=7.44	98.0	160	
463.00 > 169.00	3.825	3.825	0.0	1.000	102092		7.08(3.72-11.16)		1269	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.974	3.964	0.010	1.045	554480	0.8547		91.7	1949	
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.093	4.093	0.0	1.076	419926	0.9680	Target=2.54	101	2328	
549.00 > 99.00	4.093	4.093	0.0	1.076	145782		2.88(1.27-3.81)		630	
D 23 13C2 PFDA										
515.00 > 470.00	4.126	4.126	0.0	1.182	764969	1.12		89.7	2102	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										
513.00 > 469.00	4.126	4.126	0.0	1.000	636745	1.01	Target=9.29	101	642	
513.00 > 169.00	4.126	4.126	0.0	1.000	75555		8.43(4.64-13.93)		533	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.138	4.137	0.001	1.185	110127	1.10		91.8	722	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.138	4.137	0.001	1.000	50788	0.8120		84.8	861	
D 21 13C8 FOSA										
506.00 > 78.00	4.215	4.225	-0.010	1.207	1163429	1.16		92.8	3336	
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.215	4.225	-0.010	1.000	968790	1.04		104	1878	
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.268	4.268	0.0	1.222	49730	1.00		80.4	191	M
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.268	4.268	0.0	1.000	37618	1.07		107	205	
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.358	4.358	0.0	1.146	339821	0.9825	Target=2.80	102	1149	
599.00 > 99.00	4.358	4.358	0.0	1.146	120969		2.81(1.40-4.19)		625	
D 30 13C2 PFUnA										
565.00 > 520.00	4.391	4.391	0.0	1.257	577346	1.03		82.4	2609	
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.391	4.391	0.0	1.000	511425	1.09	Target=8.12	109	406	
563.00 > 169.00	4.391	4.391	0.0	1.000	68732		7.44(4.06-12.18)		1049	
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.402	4.402	0.0	1.261	51200	1.07		85.6	583	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.402	4.402	0.0	1.000	37941	1.00		100	596	M
66 11-Chloroeicosafluoro-3-oxaundec										
631.00 > 451.00	4.480	4.480	0.0	1.178	516587	0.7674		81.5	2325	
D 36 13C2 PFDoA										
615.00 > 570.00	4.611	4.612	-0.001	1.320	607555	1.03		82.1	3281	
37 Perfluorododecanoic acid										
613.00 > 569.00	4.622	4.612	0.010	1.002	519656	0.9721	Target=6.91	97.2	173	
613.00 > 169.00	4.611	4.612	-0.001	1.000	83511		6.22(3.45-10.36)		1381	
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.632	4.633	-0.001	1.120	26823	0.8330		86.4	912	
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.783	4.784	-0.001	1.257	123486	0.9704	Target=0.51	100	1451	
699.00 > 99.00	4.783	4.784	-0.001	1.257	251133		0.49(0.26-0.77)		1206	
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.822	4.823	-0.001	1.046	442884	1.02	Target=4.39	102	217	
663.00 > 169.00	4.822	4.823	-0.001	1.046	107028		4.14(2.20-6.59)		1531	
D 43 13C2 PFTeDA										
715.00 > 670.00	5.014	5.005	0.009	1.436	465003	1.06		85.0	3392	
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.014	5.005	0.009	1.000	73326	1.06	Target=1.06	106	1393	
713.00 > 219.00	5.005	5.005	-0.001	0.998	74613		0.98(0.53-1.59)		1225	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 44 13C2 PFHxDA										
815.00 > 770.00	5.361	5.349	0.012	1.535	483360	1.03		82.7	2598	
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.361	5.349	0.012	1.000	384971	1.05	Target=3.84	105	206	
813.00 > 169.00	5.361	5.349	0.012	1.000	104487		3.68(1.92-5.76)		1346	
46 Perfluorooctadecanoic acid										
913.00 > 869.00	5.684	5.665	0.019	1.060	312318	0.8977	Target=3.92	89.8	351	
913.00 > 169.00	5.675	5.665	0.010	1.059	89086		3.51(1.96-5.88)		982	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

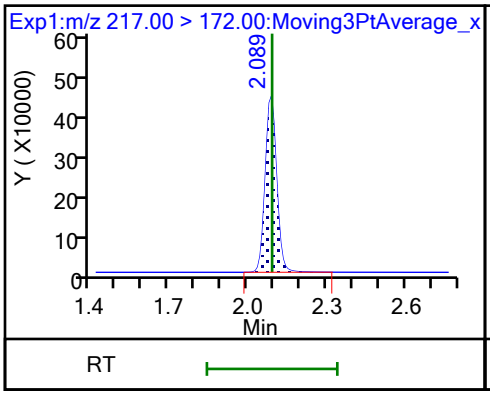
PFAS32NCIC4_00015 Amount Added: 100.00 Units: uL

Report Date: 04-Mar-2021 11:31:15 Chrom Revision: 2.3 05-Feb-2021 00:13:28

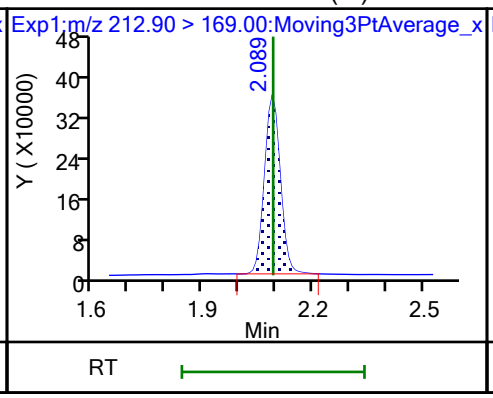
Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B14.d
Injection Date: 03-Mar-2021 20:45:55 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL

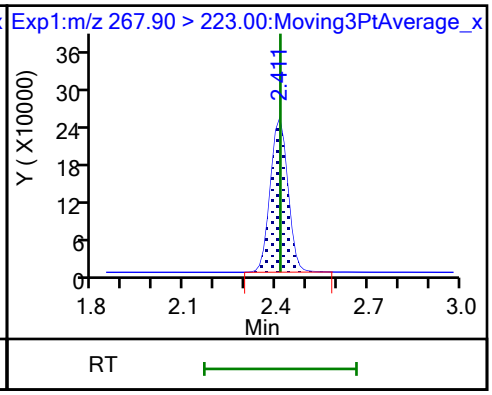
D 1 13C4 PFBA



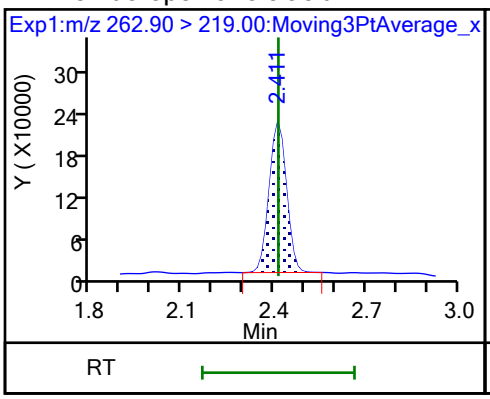
2 Perfluorobutanoic acid (M)



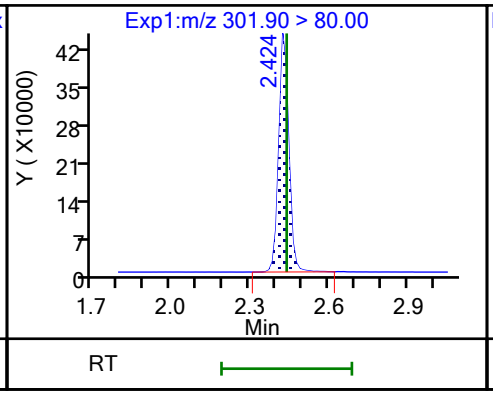
D 3 13C5 PFPeA



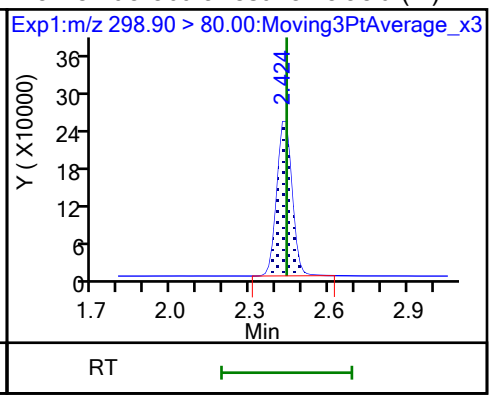
4 Perfluoropentanoic acid



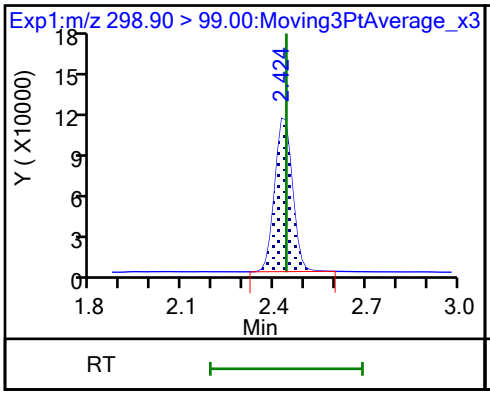
D 47 13C3 PFBS



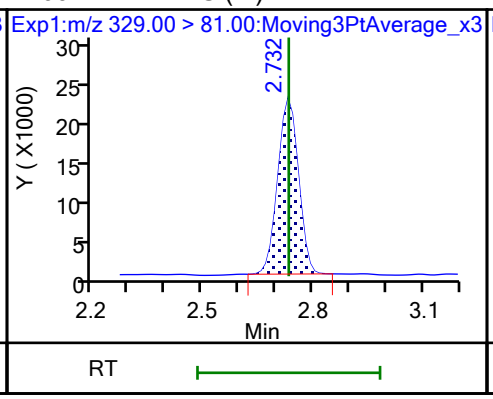
5 Perfluorobutanesulfonic acid (M)



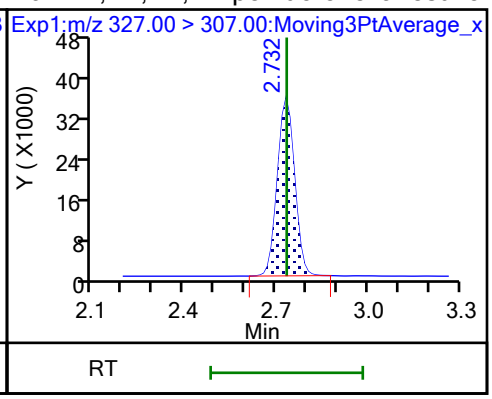
5 Perfluorobutanesulfonic acid



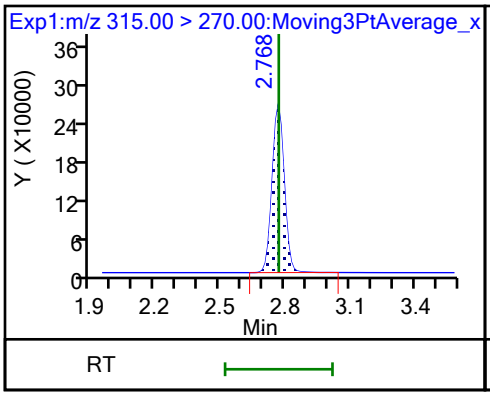
D 60 M2-4:2 FTS (M)



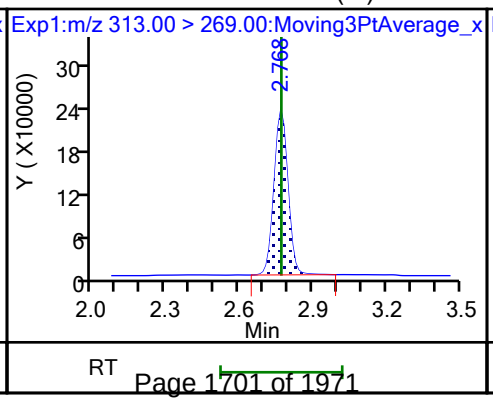
61 1H,1H,2H,2H-perfluorohexanesulfo



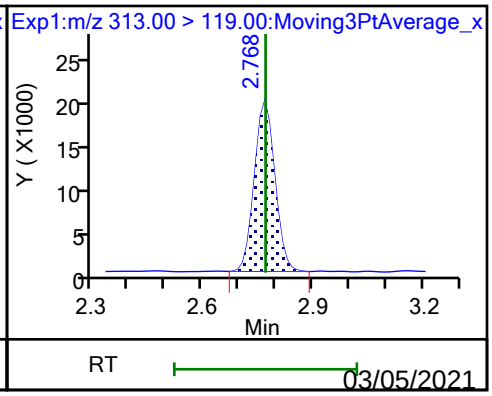
D 7 13C2 PFHxA



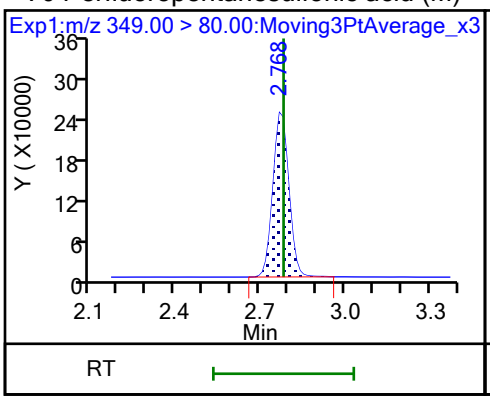
6 Perfluorohexanoic acid (M)



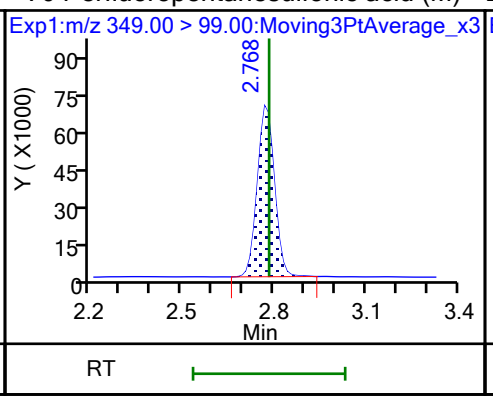
6 Perfluorohexanoic acid



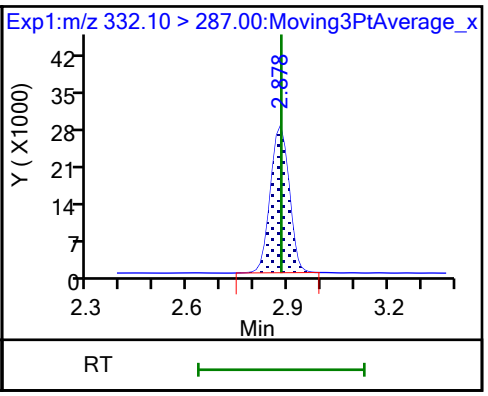
70 Perfluoropentanesulfonic acid (M)



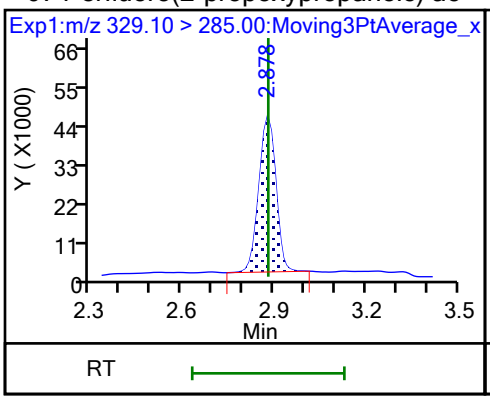
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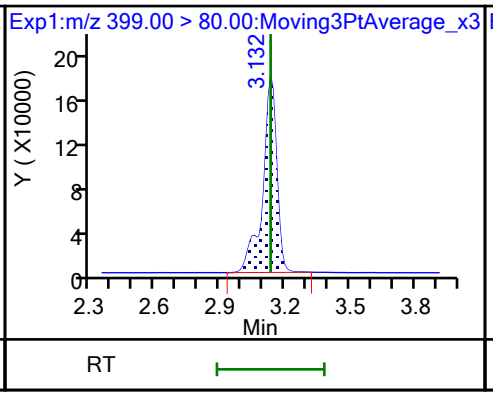
D 64 13C3 HFPO-DA



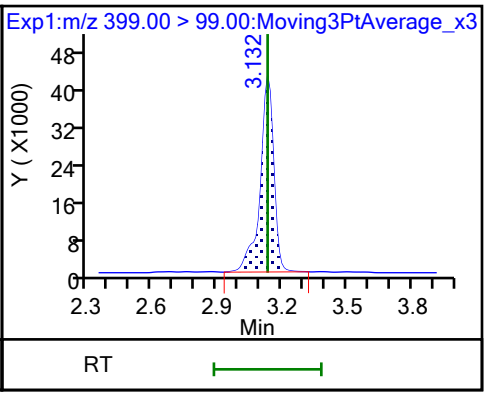
67 Perfluoro(2-propoxypropanoic) ac



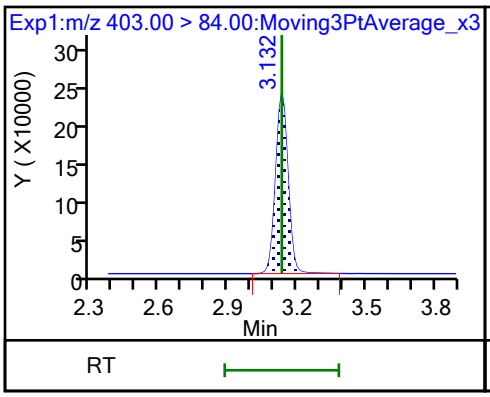
8 Perfluorohexanesulfonic acid



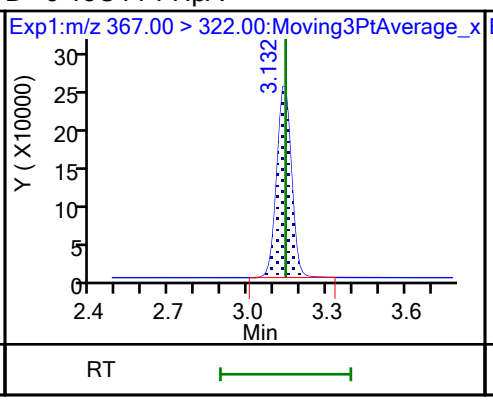
8 Perfluorohexanesulfonic acid



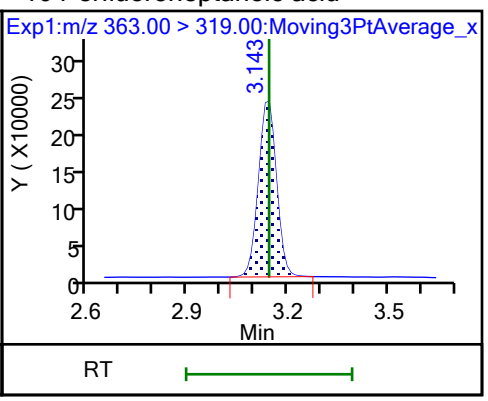
D 11 18O2 PFHxS



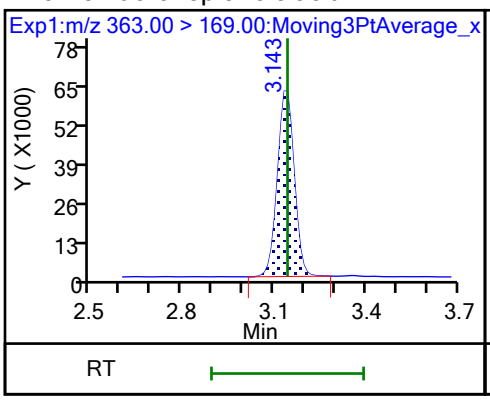
D 9 13C4 PFHpA



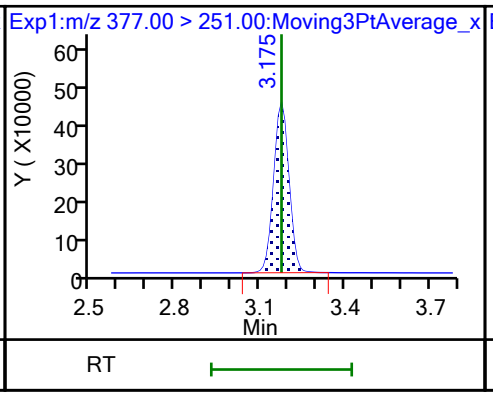
10 Perfluoroheptanoic acid



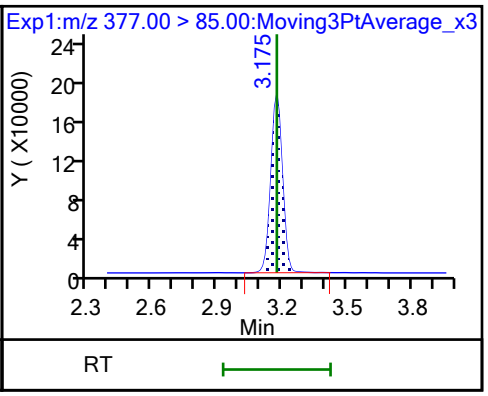
10 Perfluoroheptanoic acid



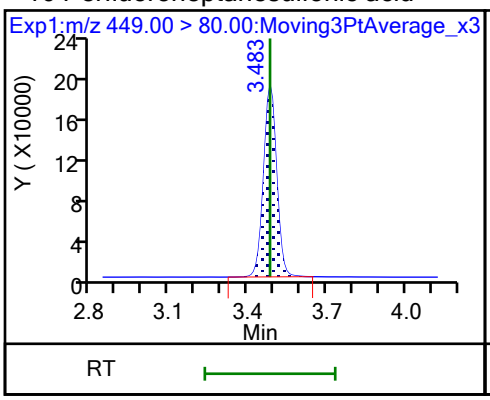
77 DONA



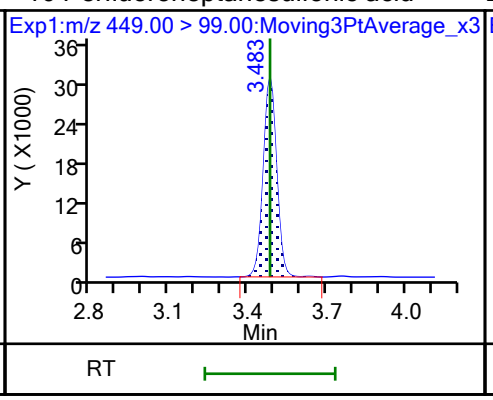
77 DONA



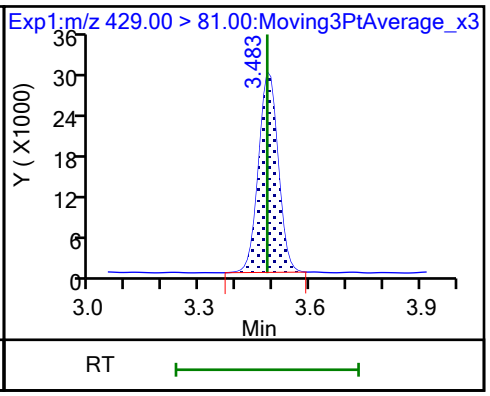
16 Perfluoroheptanesulfonic acid



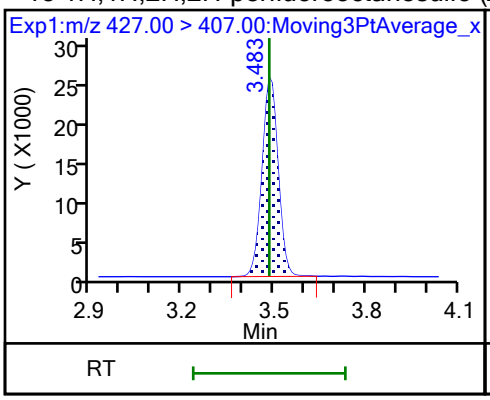
16 Perfluoroheptanesulfonic acid



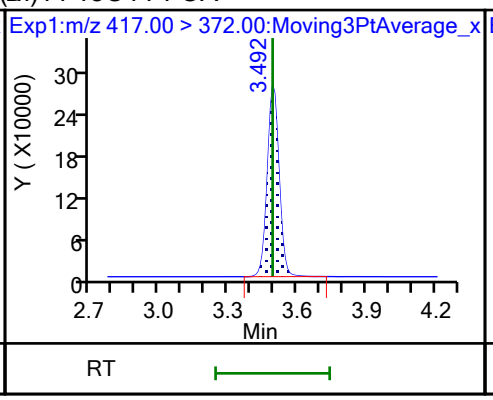
D 12 M2-6:2 FTS



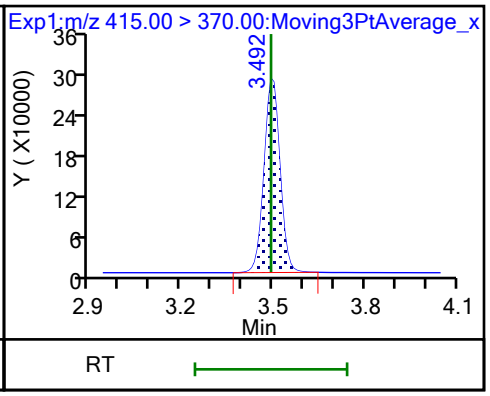
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



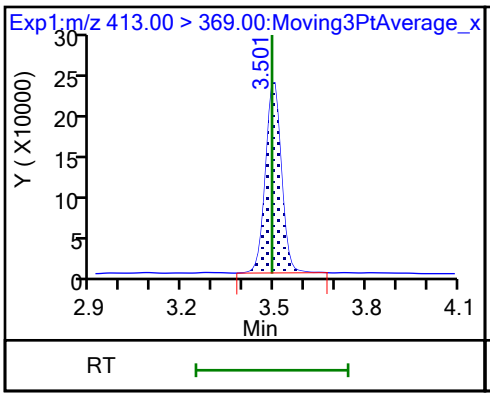
D 14 13C4 PFOA



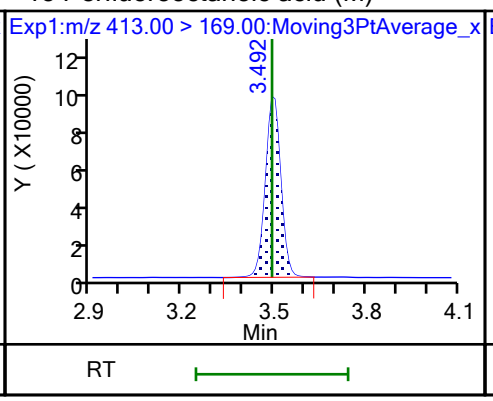
* 62 13C2 PFOA



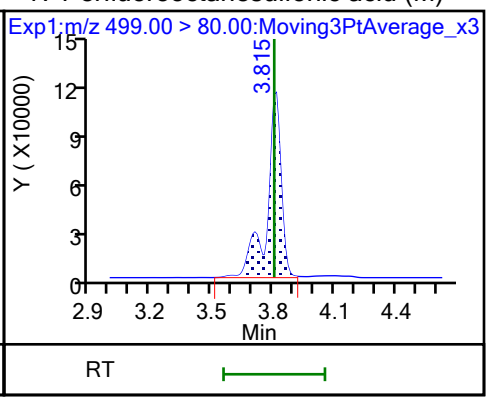
15 Perfluorooctanoic acid



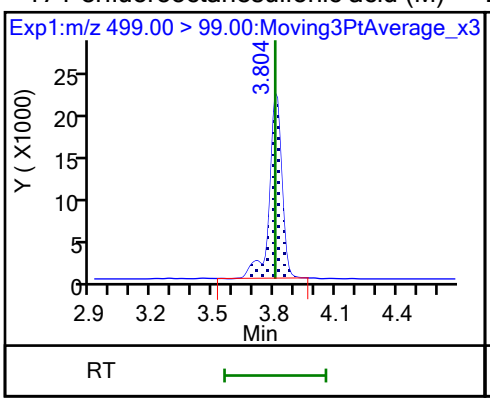
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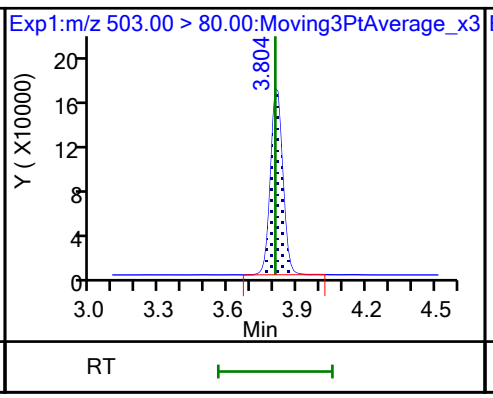
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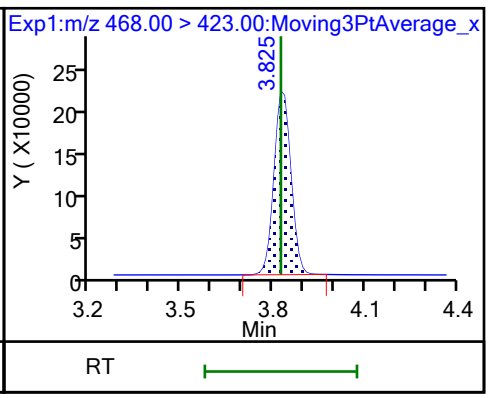
17 Perfluorooctanesulfonic acid (M)



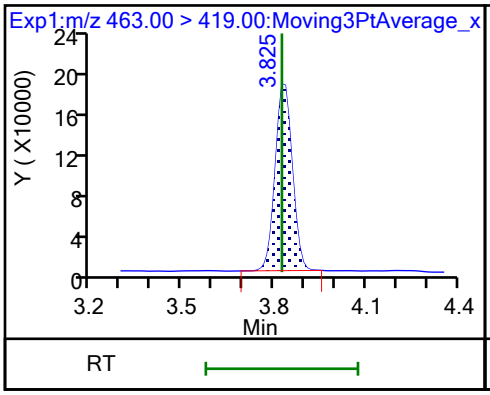
D 18 13C4 PFOS



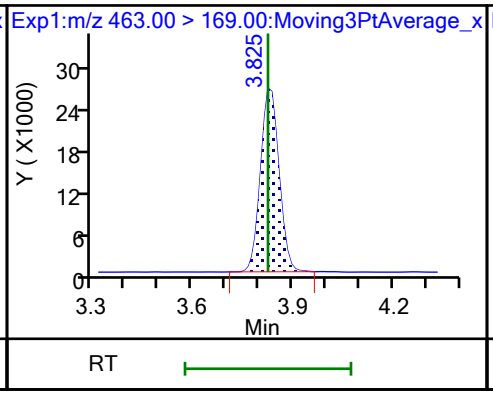
D 19 13C5 PFNA



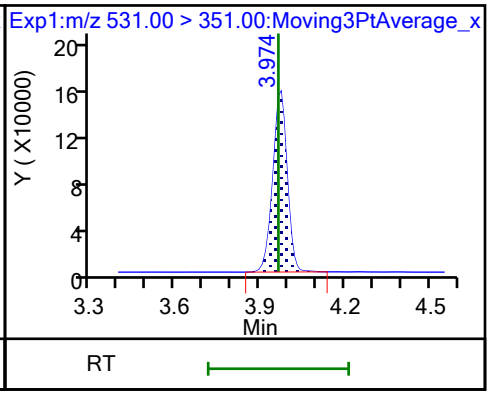
20 Perfluorononanoic acid



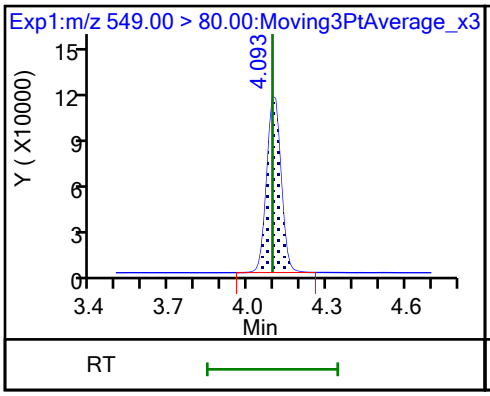
20 Perfluorononanoic acid



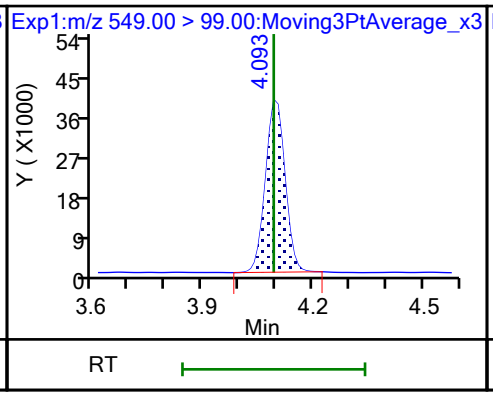
69 9-Chlorohexadecafluoro-3-oxanona



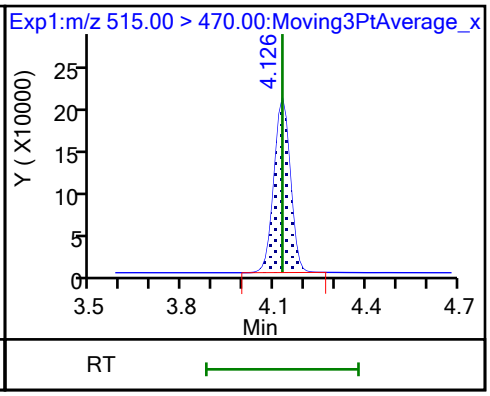
68 Perfluorononanesulfonic acid



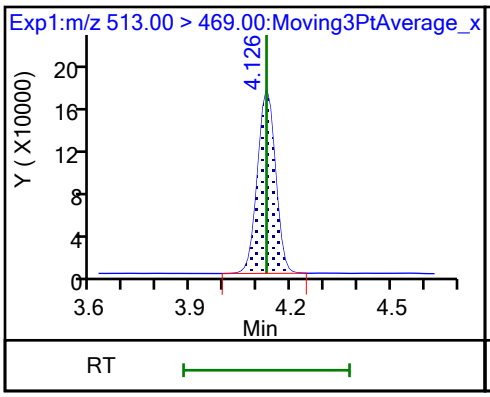
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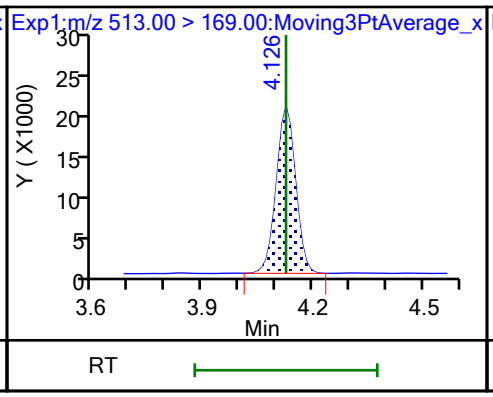
D 23 13C2 PFDA



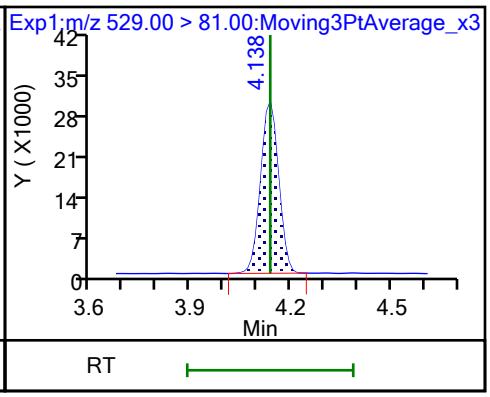
24 Perfluorodecanoic acid



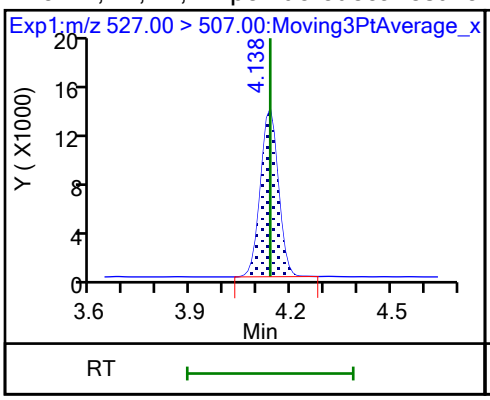
24 Perfluorodecanoic acid



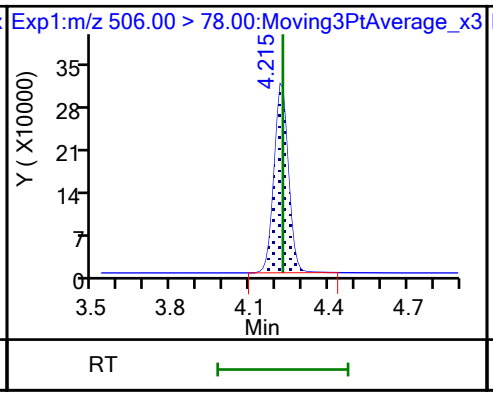
D 26 M2-8:2 FTS



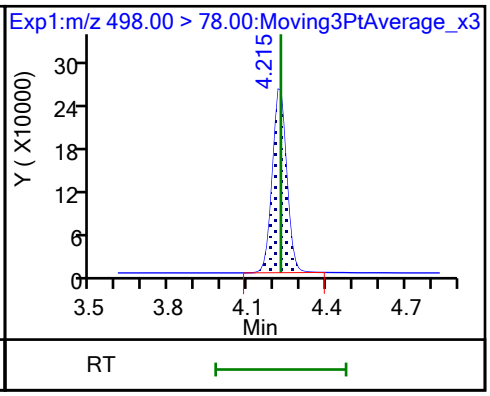
25 1H,1H,2H,2H-perfluorodecanesulfo



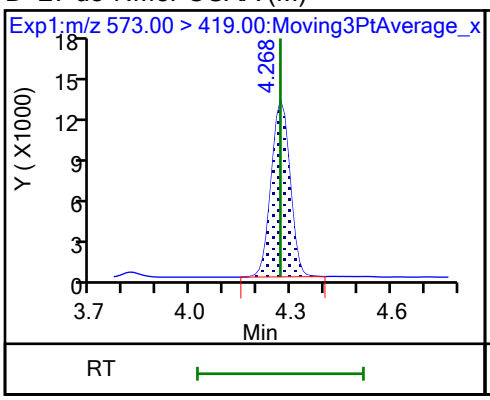
D 21 13C8 FOSA



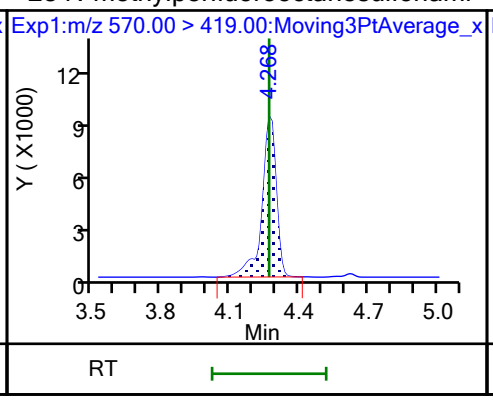
22 Perfluorooctanesulfonamide



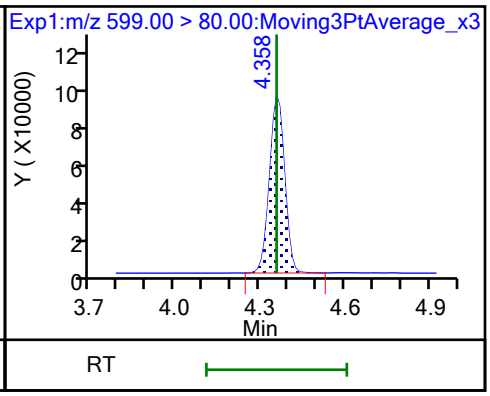
D 27 d3-NMeFOSAA (M)



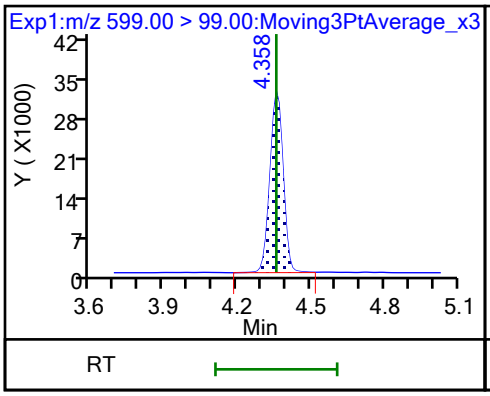
28 N-methylperfluorooctanesulfonami



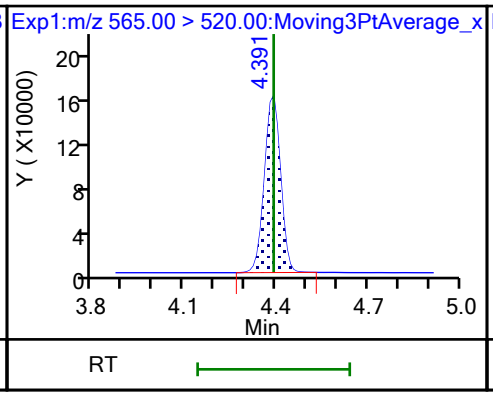
29 Perfluorodecanesulfonic acid



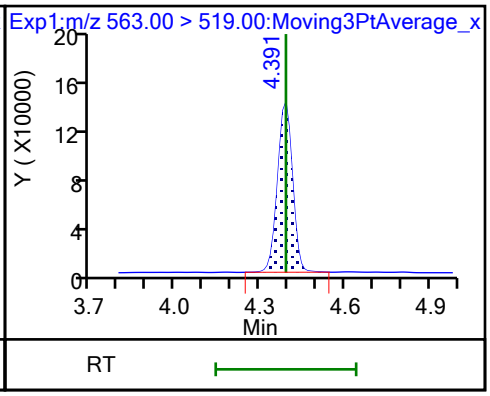
29 Perfluorodecanesulfonic acid



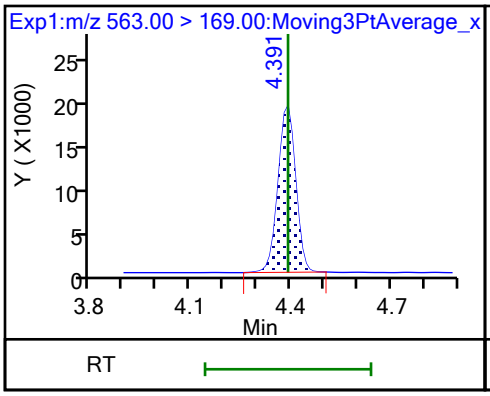
D 30 13C2 PFUnA



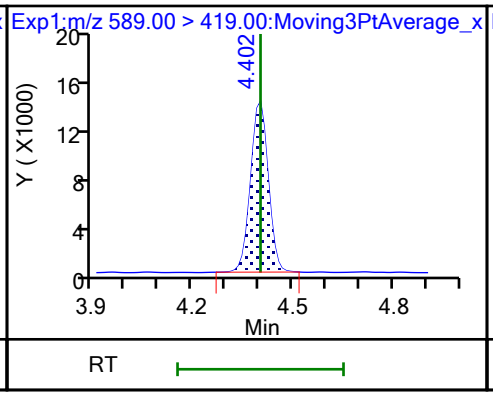
31 Perfluoroundecanoic acid



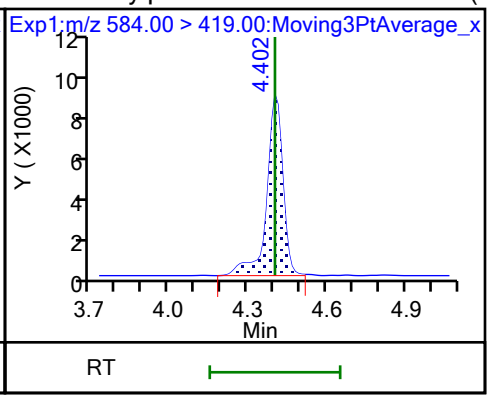
31 Perfluoroundecanoic acid



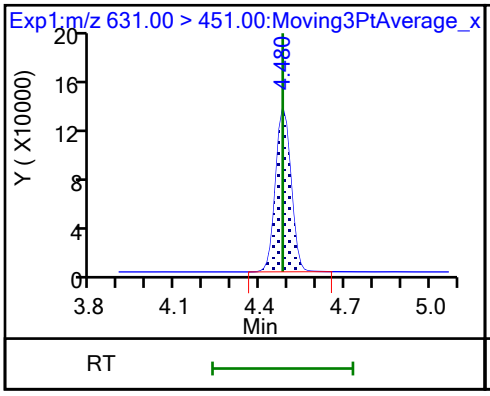
D 32 d5-NEtFOSAA



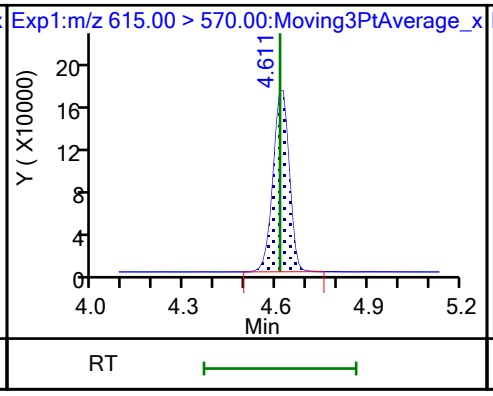
33 N-ethylperfluorooctanesulfonamid (M)



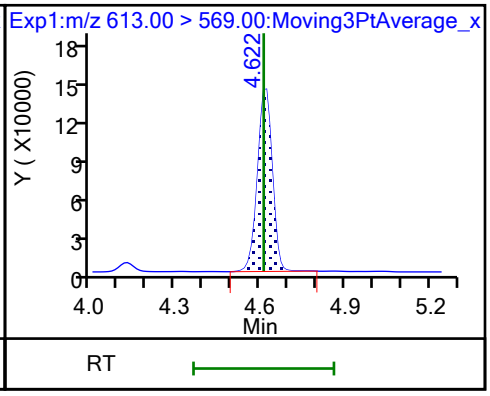
66 11-Chloroeicosafluoro-3-oxaundec



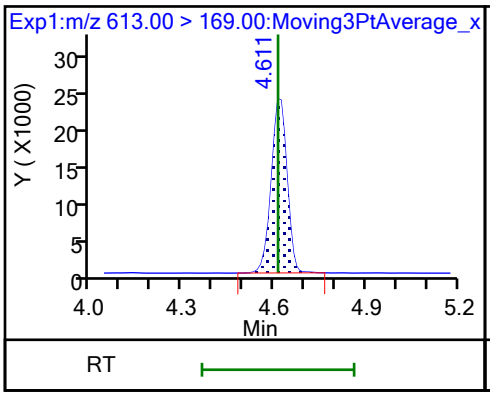
D 36 13C2 PFDoA



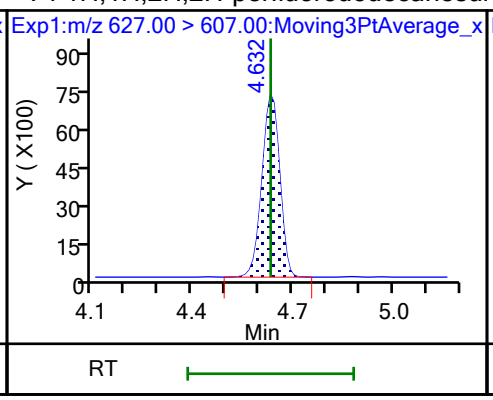
37 Perfluorododecanoic acid



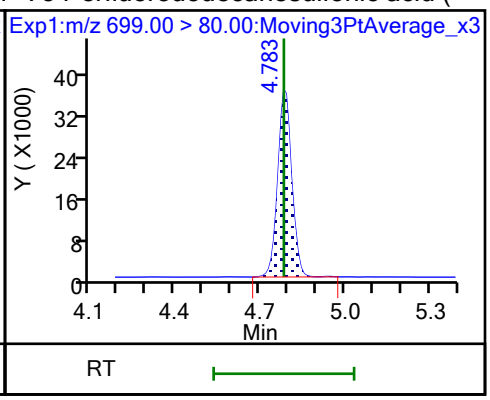
37 Perfluorododecanoic acid



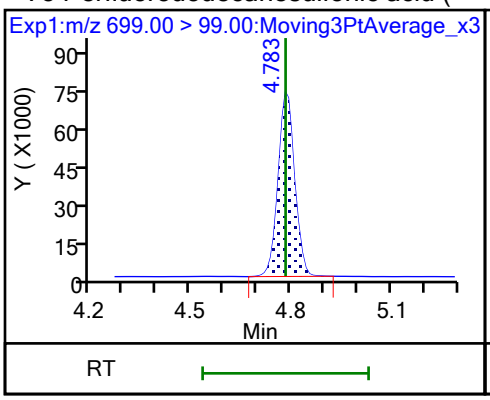
74 1H,1H,2H,2H-perfluorododecanesul



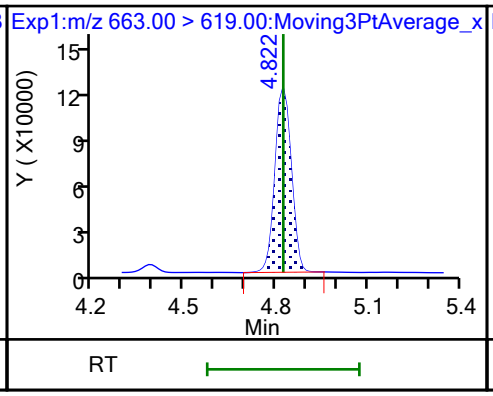
75 Perfluorododecanesulfonic acid (



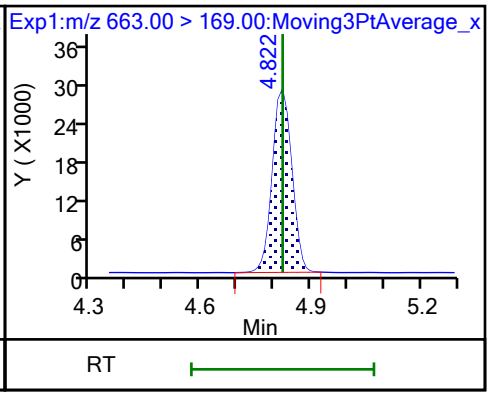
75 Perfluorododecanesulfonic acid (



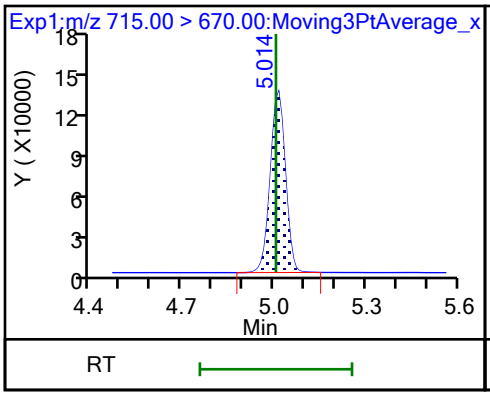
41 Perfluorotridecanoic acid



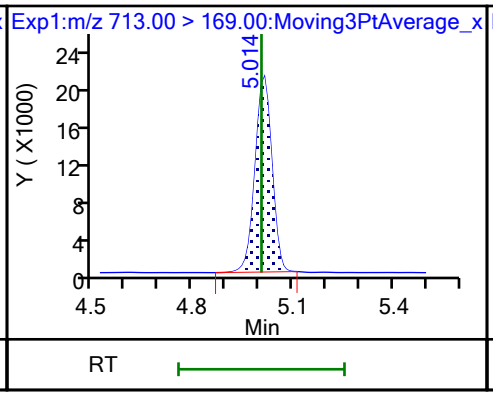
41 Perfluorotridecanoic acid



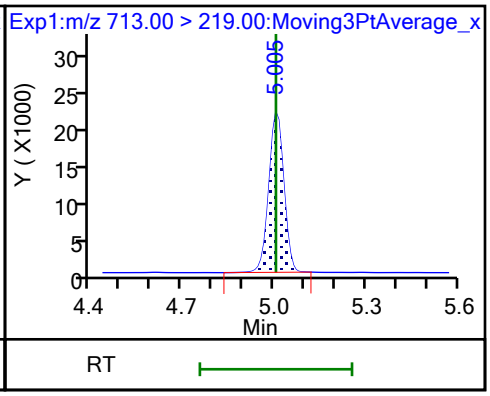
D 43 13C2 PFTeDA



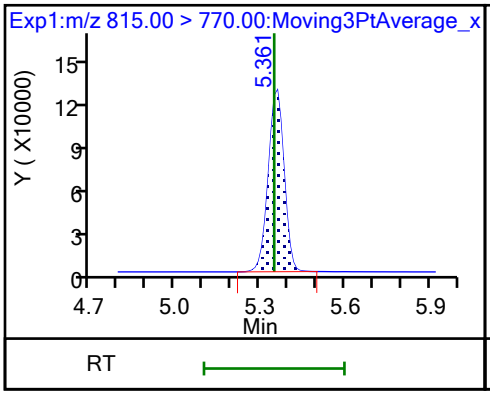
42 Perfluorotetradecanoic acid



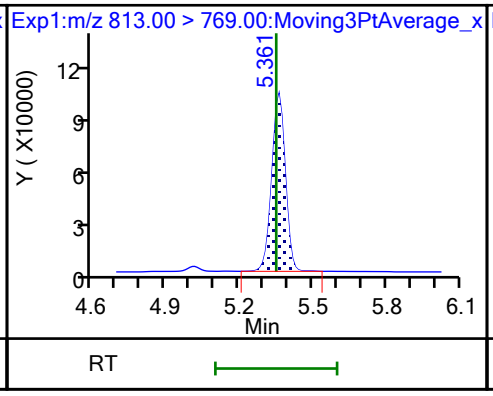
42 Perfluorotetradecanoic acid



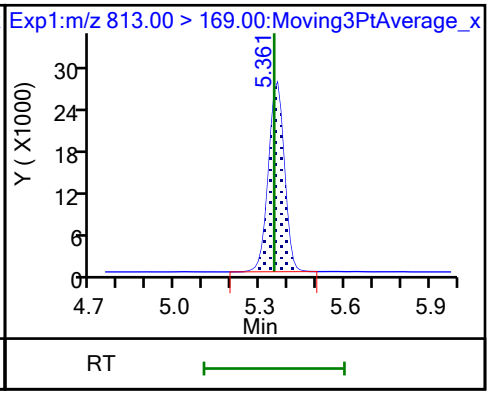
D 44 13C2 PFHxDA



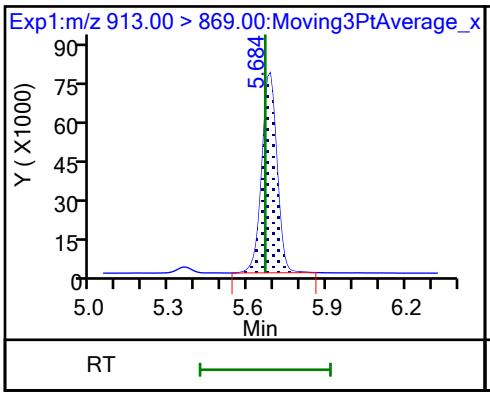
45 Perfluorohexadecanoic acid



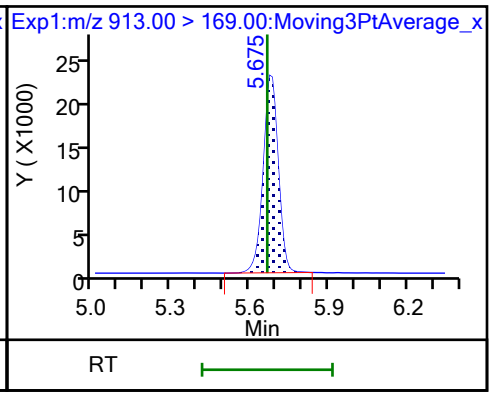
45 Perfluorohexadecanoic acid



46 Perfluorooctadecanoic acid



46 Perfluorooctadecanoic acid



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

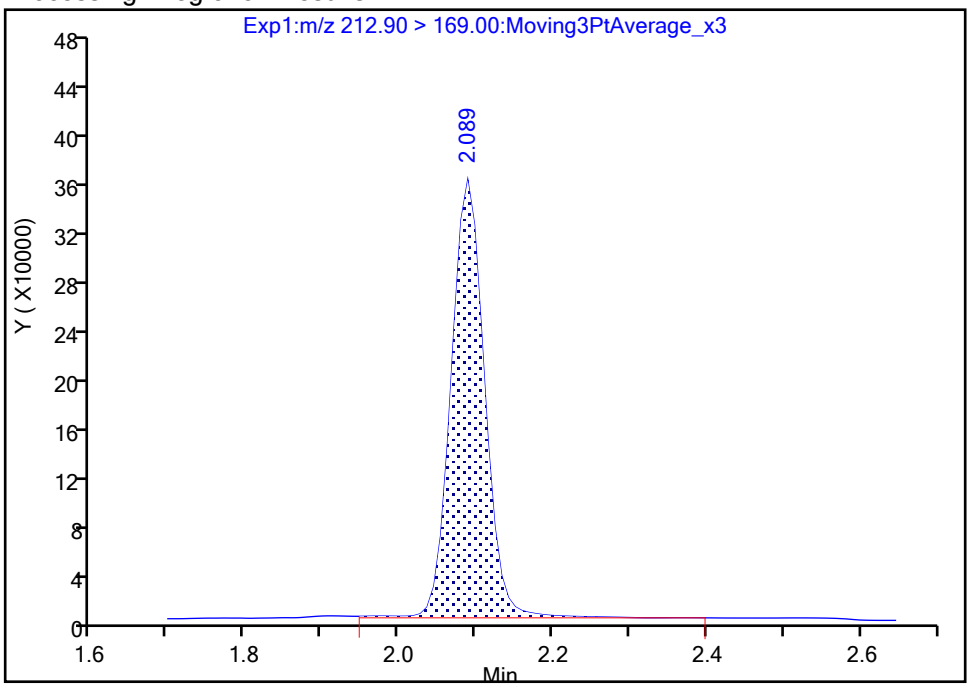
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Injection Date:	03-Mar-2021 20:45:55	Instrument ID:	LC812		
Lims ID:	CCV L4				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

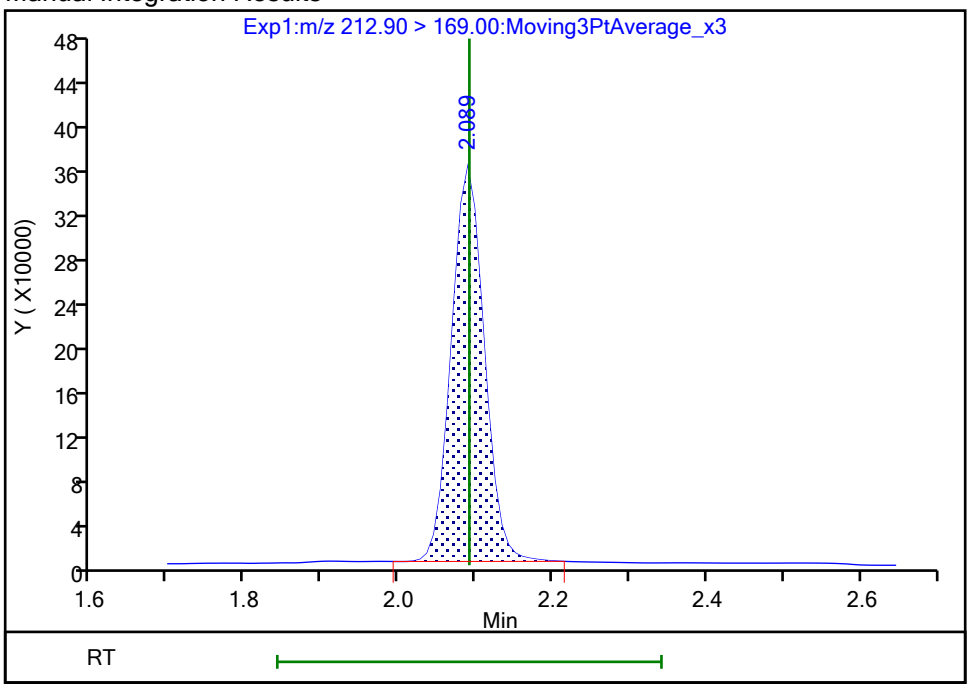
Processing Integration Results

RT: 2.09
Area: 1078939
Amount: 1.003253
Amount Units: ng/ml



Manual Integration Results

RT: 2.09
Area: 1052636
Amount: 0.978796
Amount Units: ng/ml



Reviewer: deannd, 04-Mar-2021 08:50:48

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

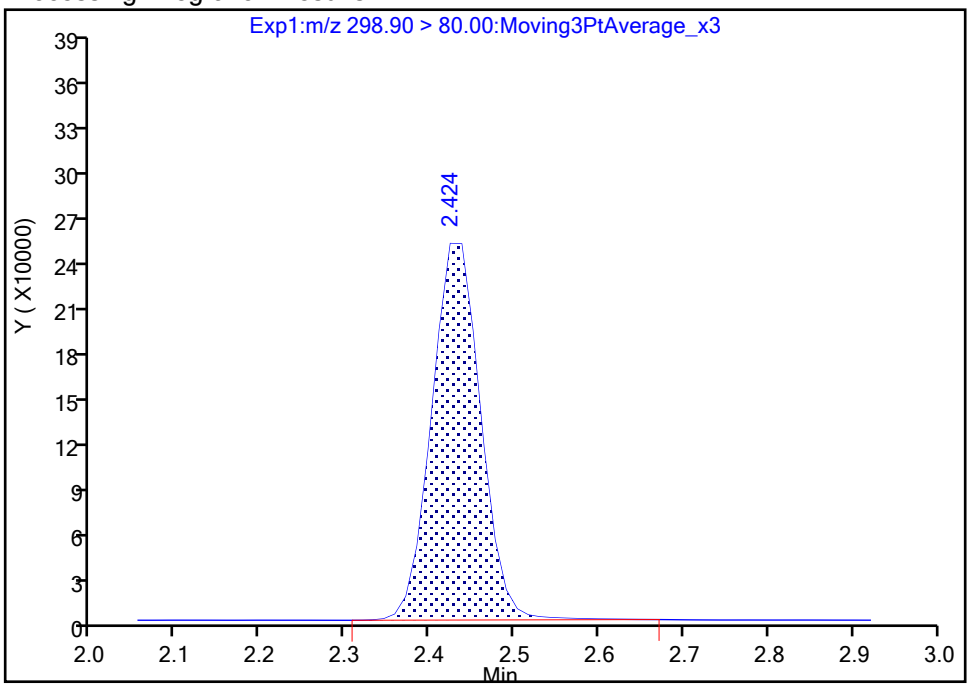
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Injection Date:	03-Mar-2021 20:45:55	Instrument ID:	LC812		
Lims ID:	CCV L4				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

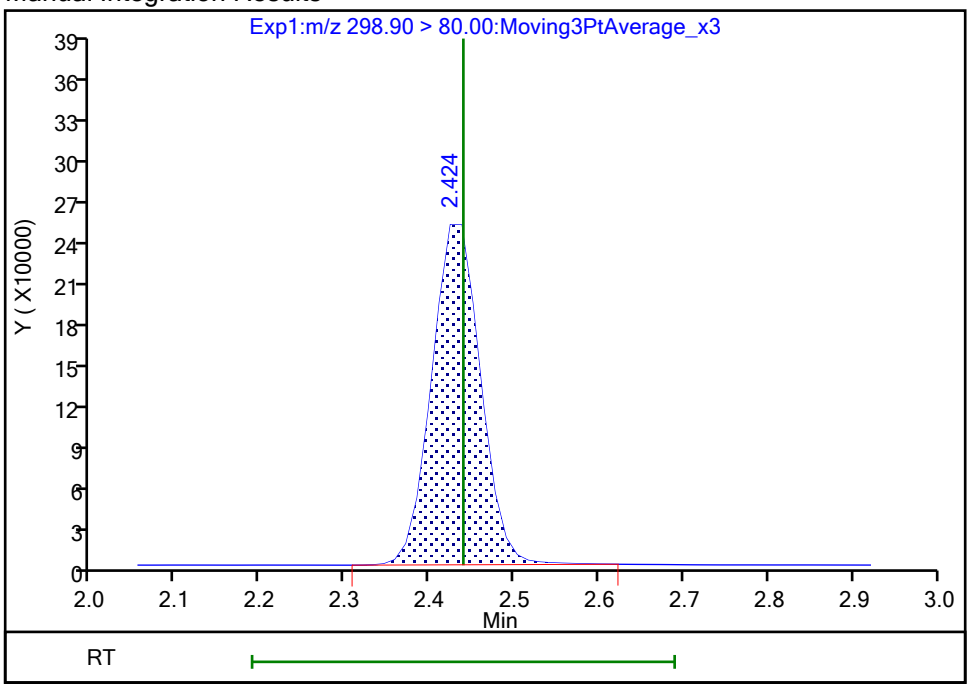
Processing Integration Results

RT: 2.42
Area: 1000831
Amount: 0.890159
Amount Units: ng/ml



Manual Integration Results

RT: 2.42
Area: 998097
Amount: 0.887727
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:25:34

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

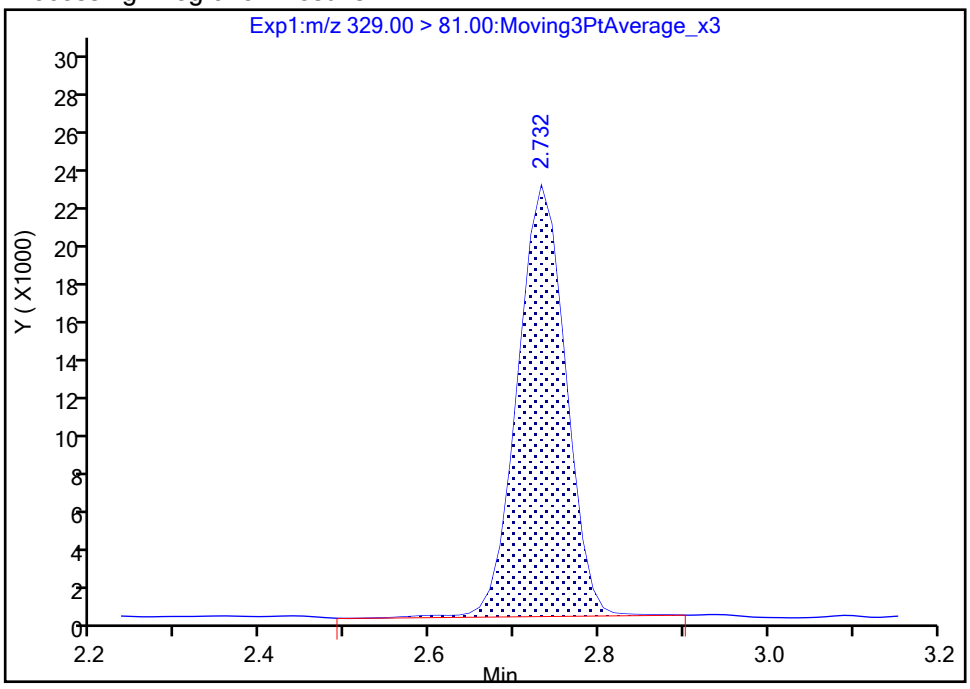
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Injection Date: 03-Mar-2021 20:45:55 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 60 M2-4:2 FTS, CAS: STL02395

Signal: 1

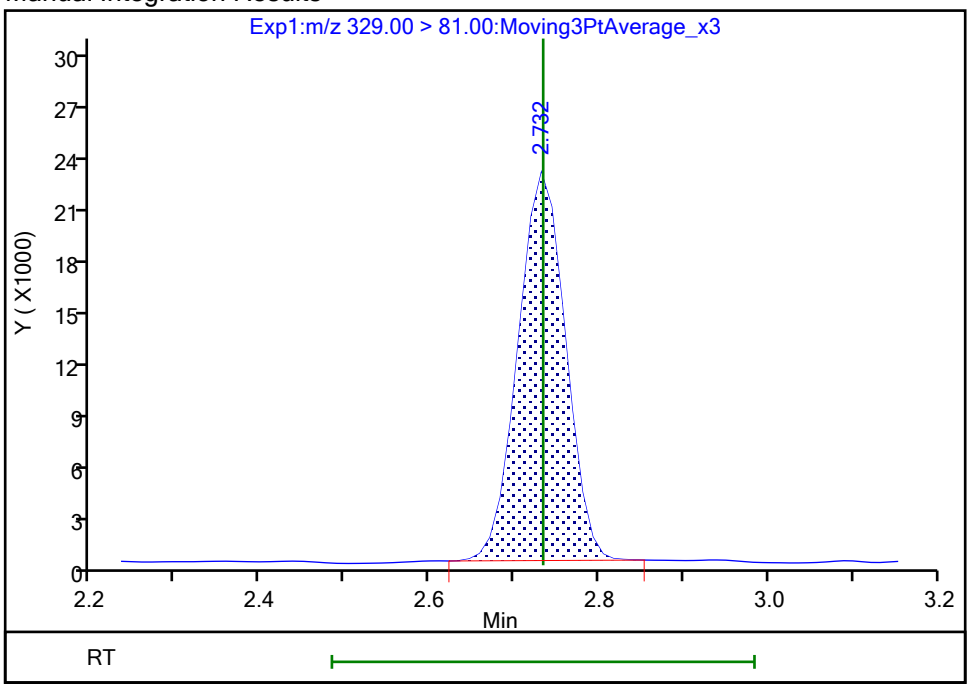
Processing Integration Results

RT: 2.73
Area: 87820
Amount: 1.007472
Amount Units: ng/ml



Manual Integration Results

RT: 2.73
Area: 86409
Amount: 0.991285
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:25:00
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

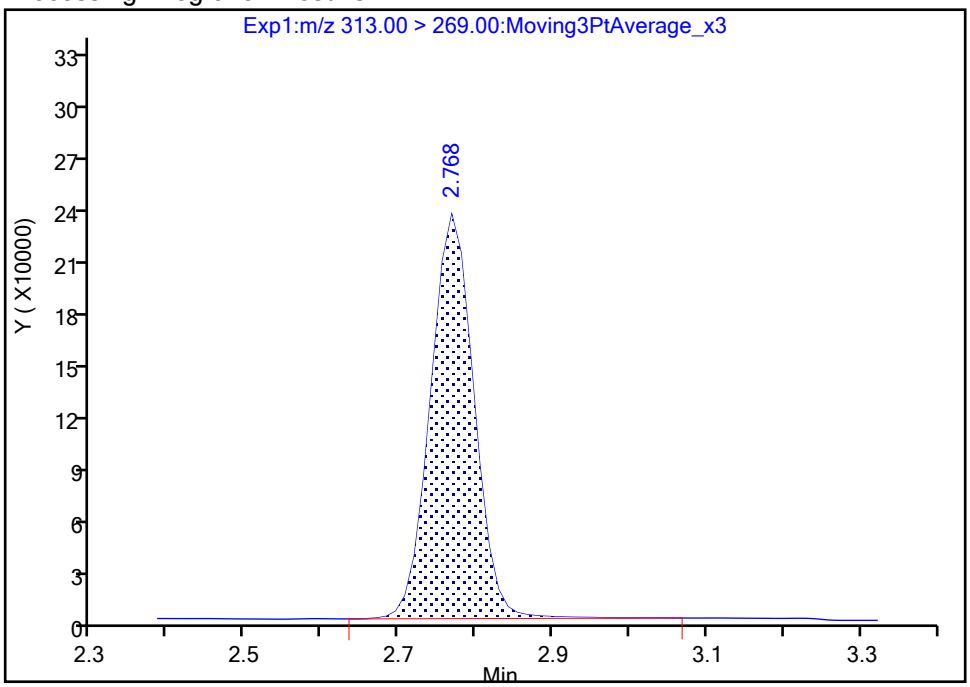
Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B14.d
Injection Date: 03-Mar-2021 20:45:55 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

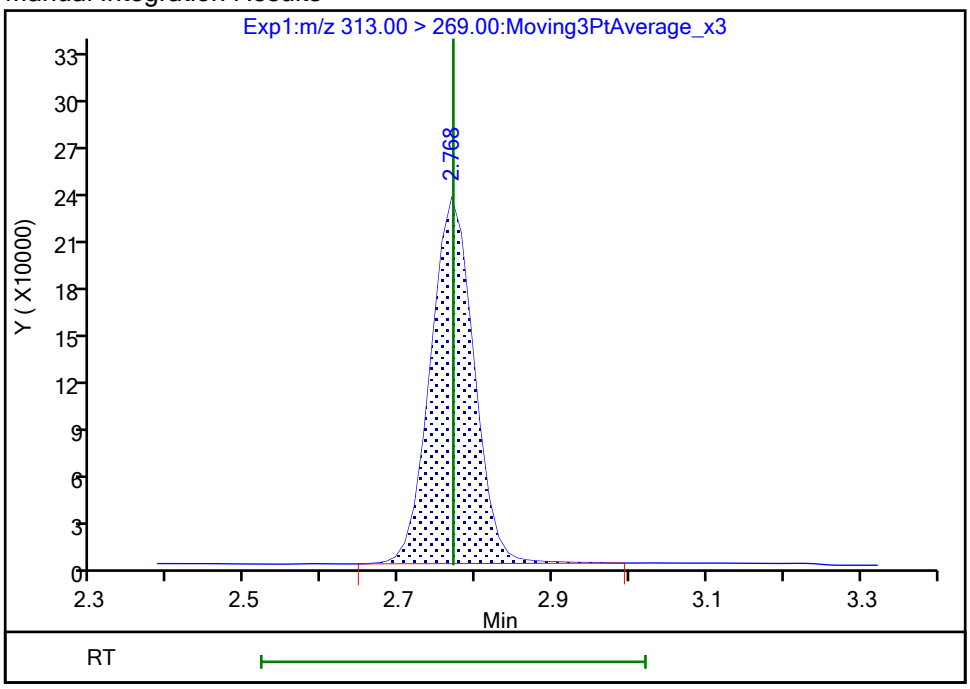
Processing Integration Results

RT: 2.77
Area: 914732
Amount: 1.015912
Amount Units: ng/ml



Manual Integration Results

RT: 2.77
Area: 912985
Amount: 1.013972
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:25:43
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

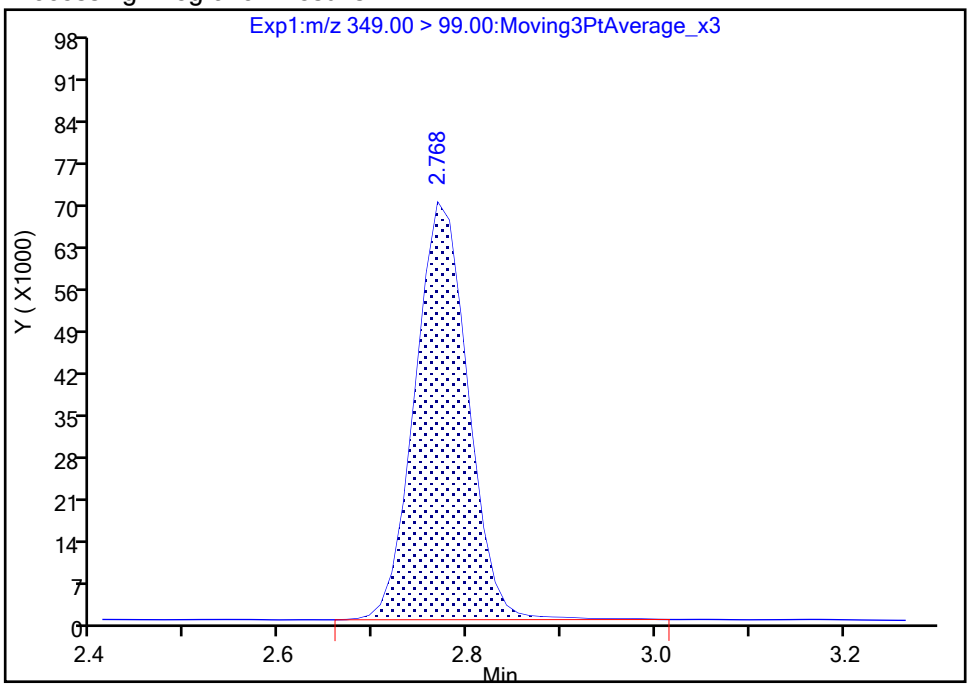
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B14.d				
Injection Date:	03-Mar-2021 20:45:55	Instrument ID:	LC812		
Lims ID:	CCV L4				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 2

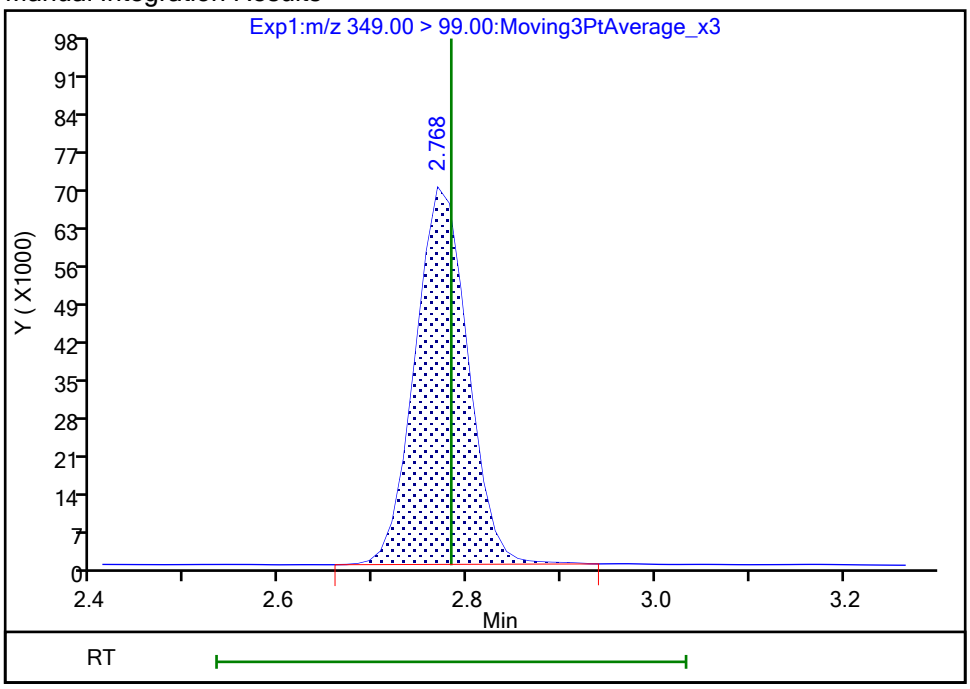
Processing Integration Results

RT: 2.77
Area: 271567
Amount: 0.968020
Amount Units: ng/ml



Manual Integration Results

RT: 2.77
Area: 270181
Amount: 0.964849
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:25:49

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

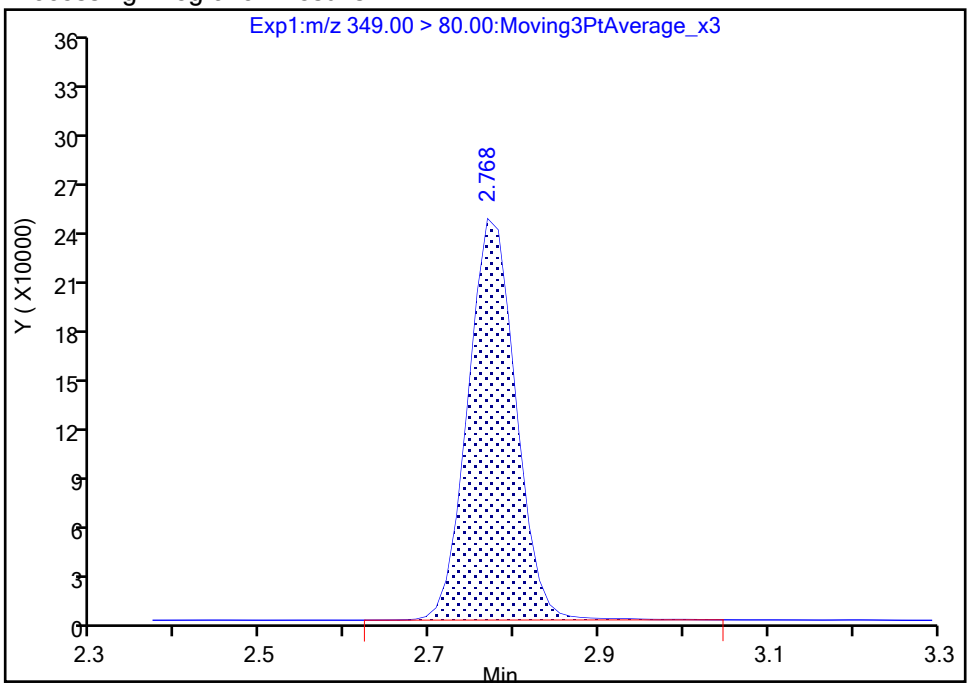
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B14.d				
Injection Date:	03-Mar-2021 20:45:55	Instrument ID:	LC812		
Lims ID:	CCV L4				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 1

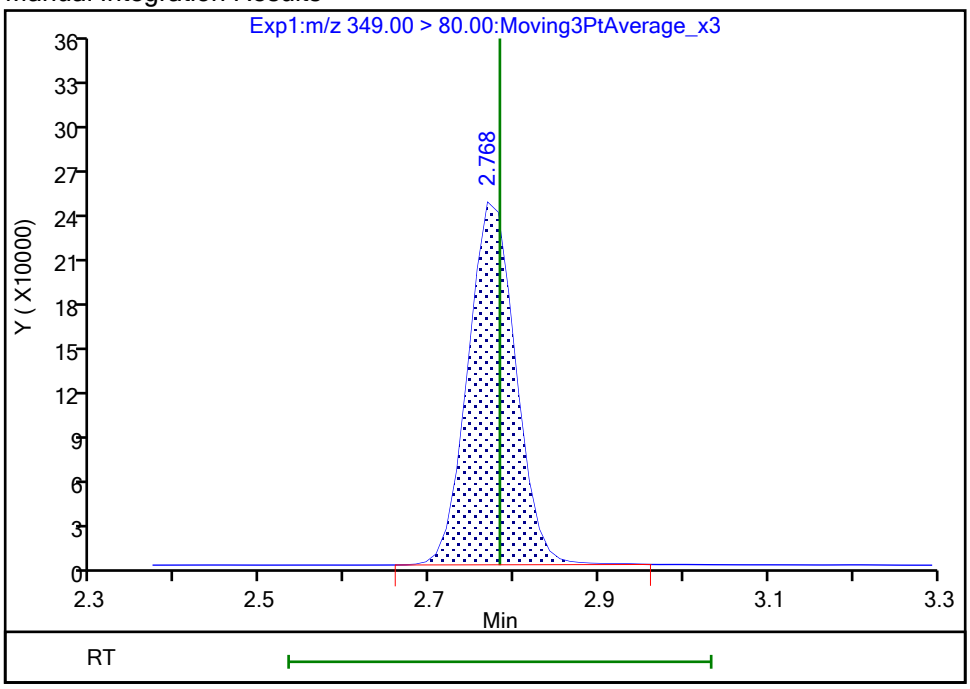
Processing Integration Results

RT: 2.77
Area: 952794
Amount: 0.968020
Amount Units: ng/ml



Manual Integration Results

RT: 2.77
Area: 949673
Amount: 0.964849
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:25:57
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

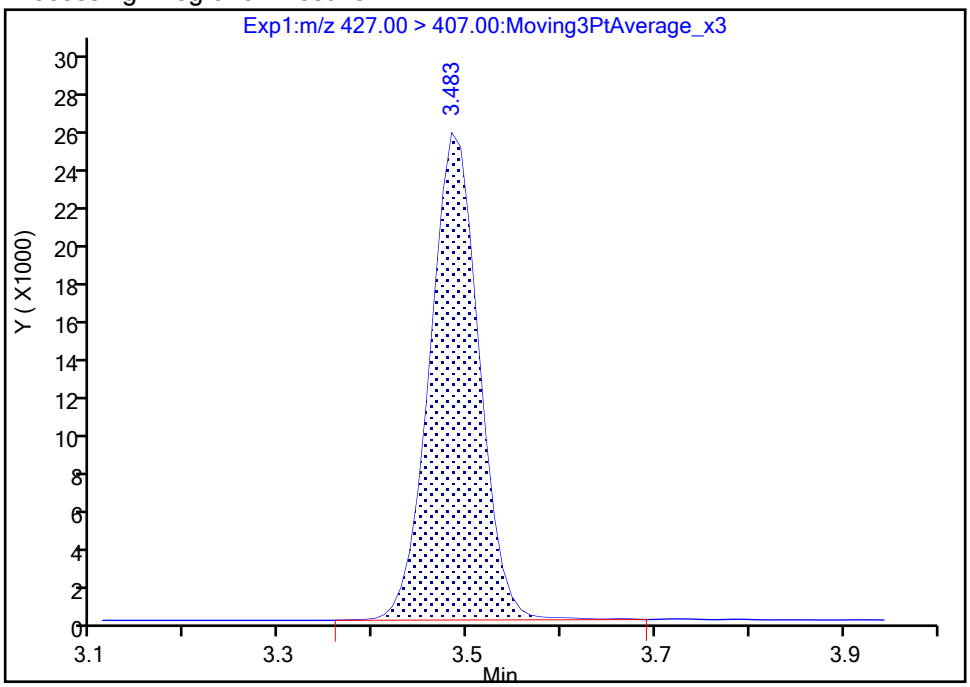
Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B14.d
Injection Date: 03-Mar-2021 20:45:55 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

Signal: 1

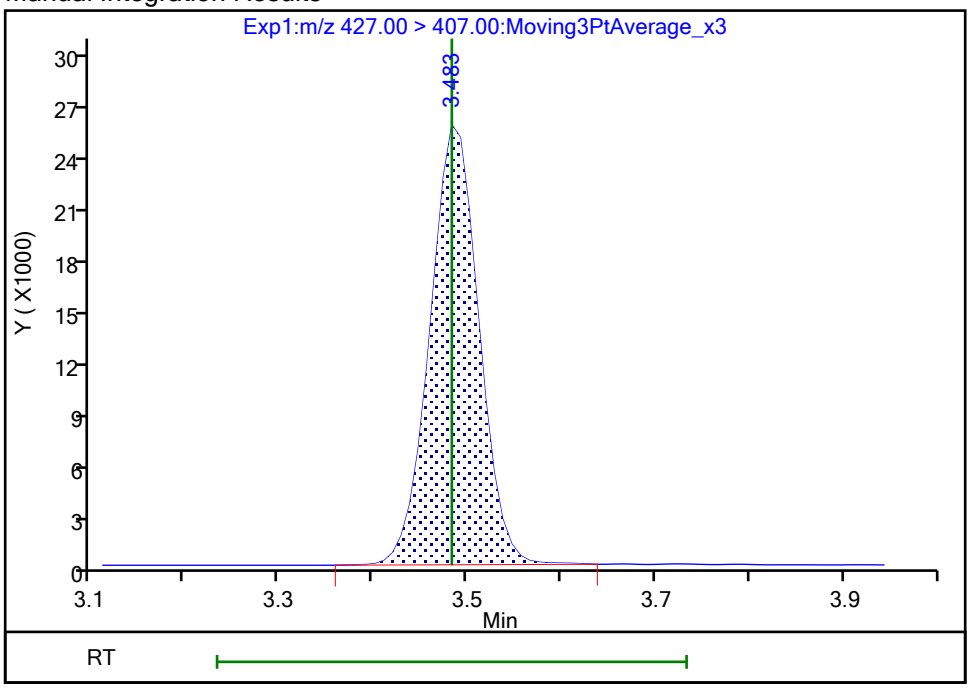
Processing Integration Results

RT: 3.48
Area: 91204
Amount: 0.893776
Amount Units: ng/ml



Manual Integration Results

RT: 3.48
Area: 90963
Amount: 0.891414
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:26:19
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

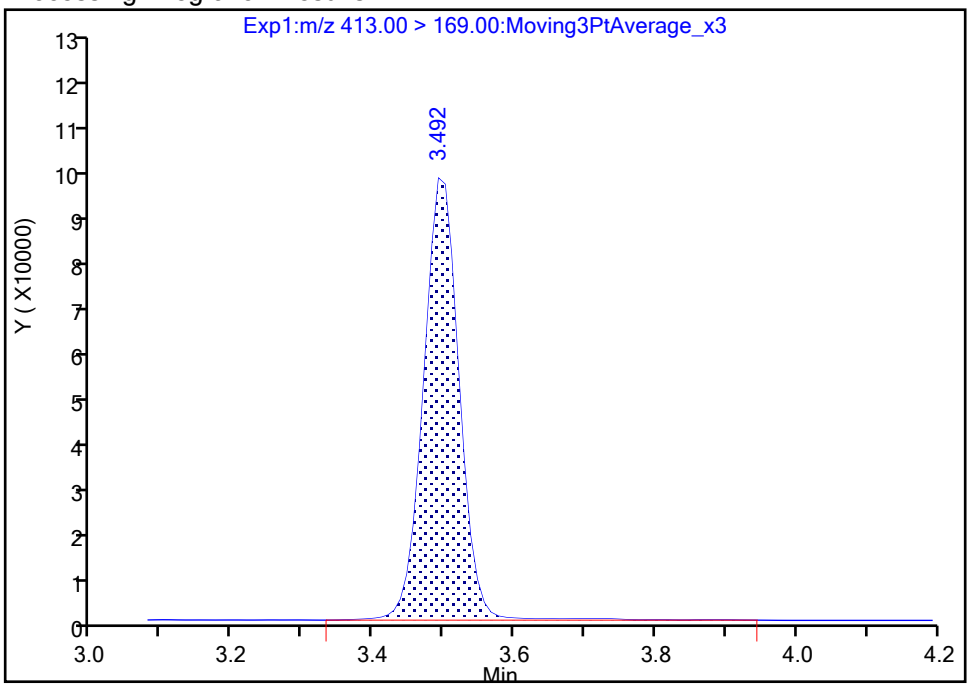
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B14.d				
Injection Date:	03-Mar-2021 20:45:55	Instrument ID:	LC812		
Lims ID:	CCV L4				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

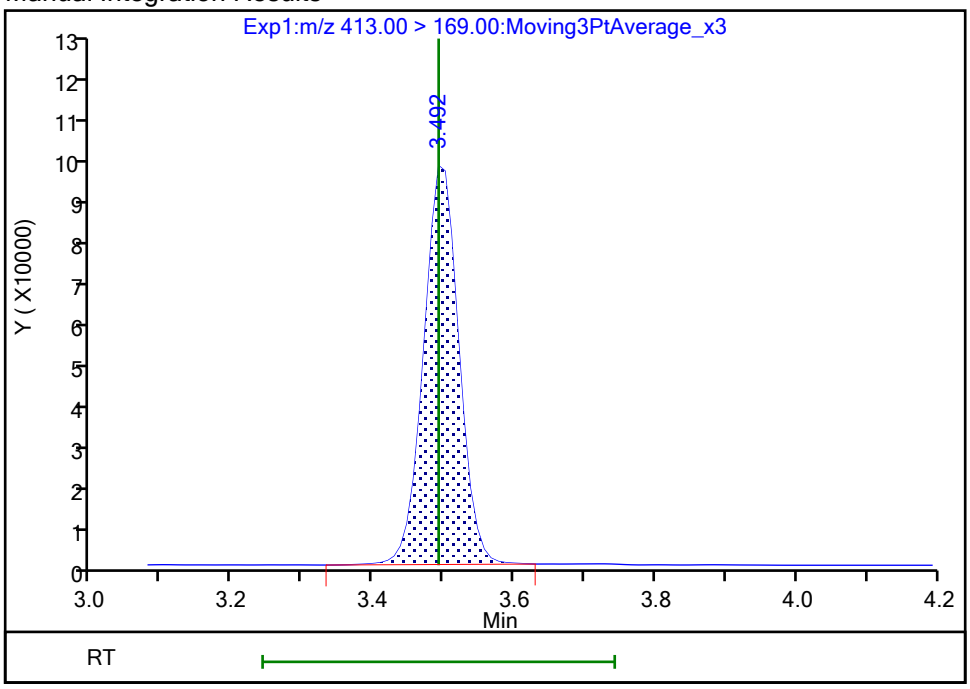
Processing Integration Results

RT: 3.49
Area: 345228
Amount: 0.994415
Amount Units: ng/ml



Manual Integration Results

RT: 3.49
Area: 340619
Amount: 0.994415
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:26:26

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

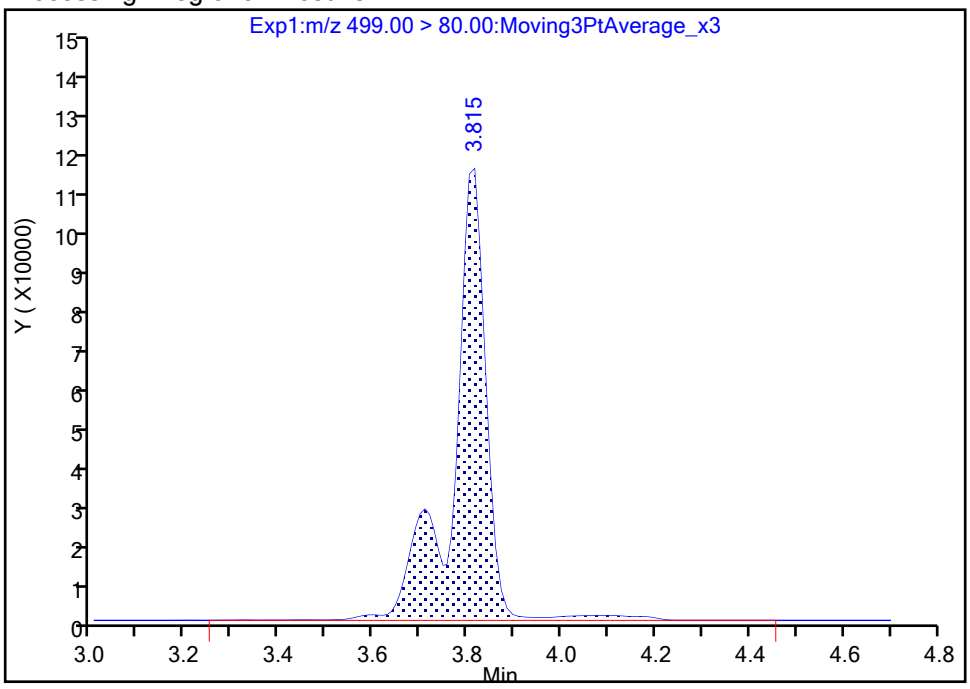
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B14.d				
Injection Date:	03-Mar-2021 20:45:55	Instrument ID:	LC812		
Lims ID:	CCV L4				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

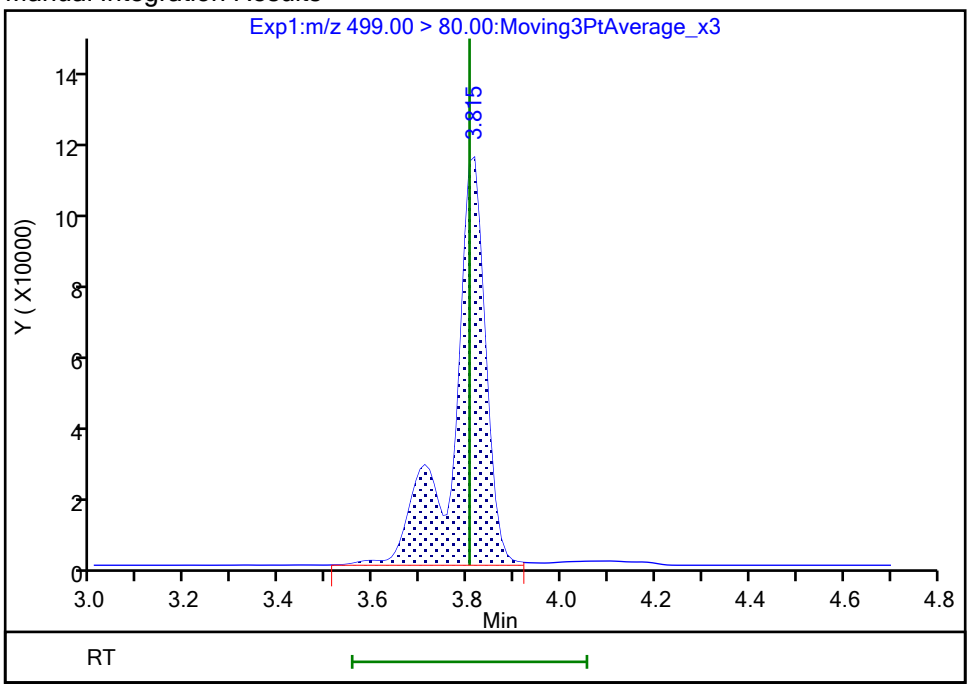
Processing Integration Results

RT: 3.81
Area: 562348
Amount: 0.967106
Amount Units: ng/ml



Manual Integration Results

RT: 3.81
Area: 545821
Amount: 0.938683
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:26:35

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

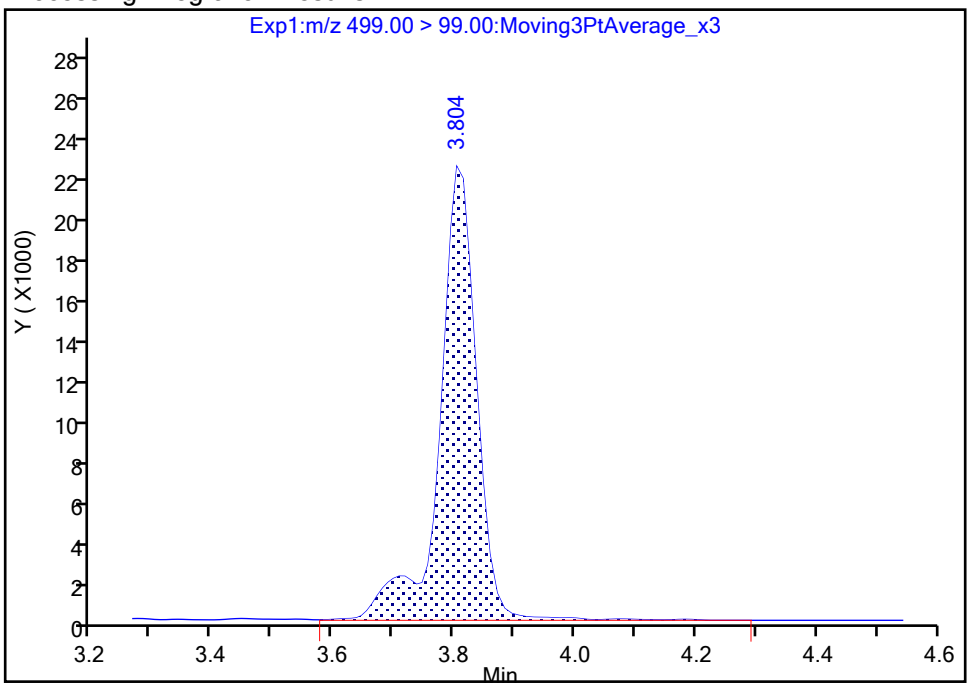
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B14.d				
Injection Date:	03-Mar-2021 20:45:55	Instrument ID:	LC812		
Lims ID:	CCV L4				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

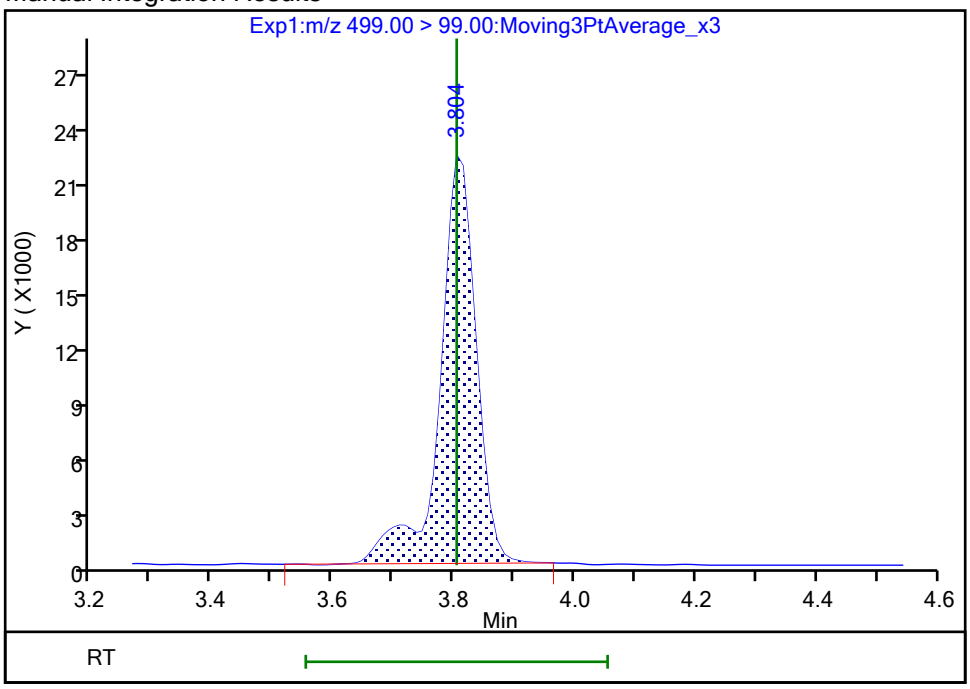
Processing Integration Results

RT: 3.80
Area: 94217
Amount: 0.967106
Amount Units: ng/ml



Manual Integration Results

RT: 3.80
Area: 91353
Amount: 0.938683
Amount Units: ng/ml



Reviewer: deannd, 04-Mar-2021 08:51:13

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

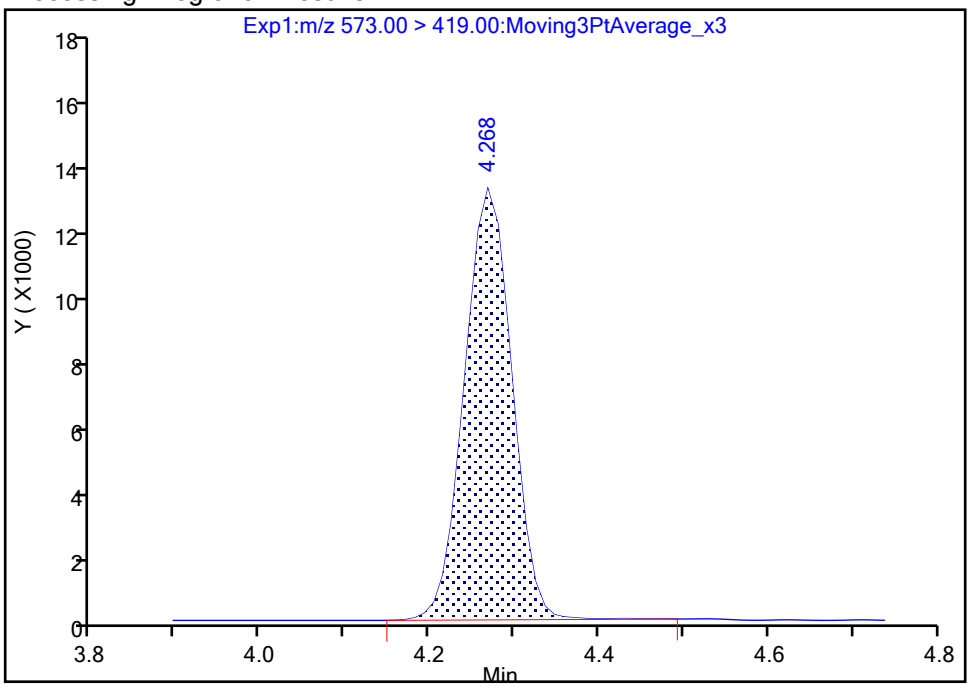
Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B14.d
Injection Date: 03-Mar-2021 20:45:55 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

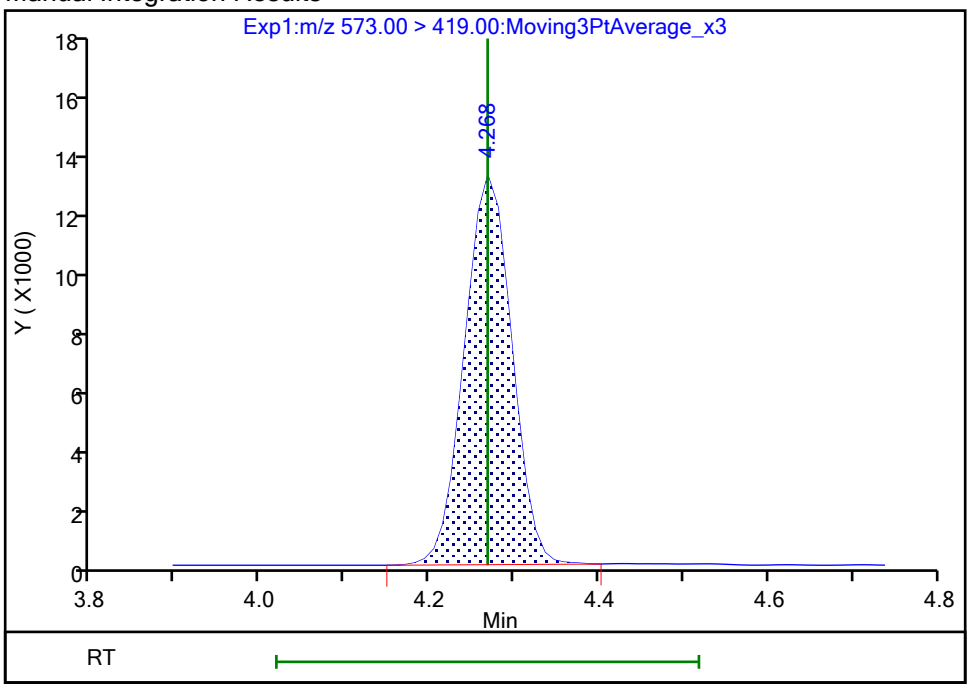
Processing Integration Results

RT: 4.27
Area: 49883
Amount: 1.007762
Amount Units: ng/ml



Manual Integration Results

RT: 4.27
Area: 49730
Amount: 1.004671
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:25:13
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

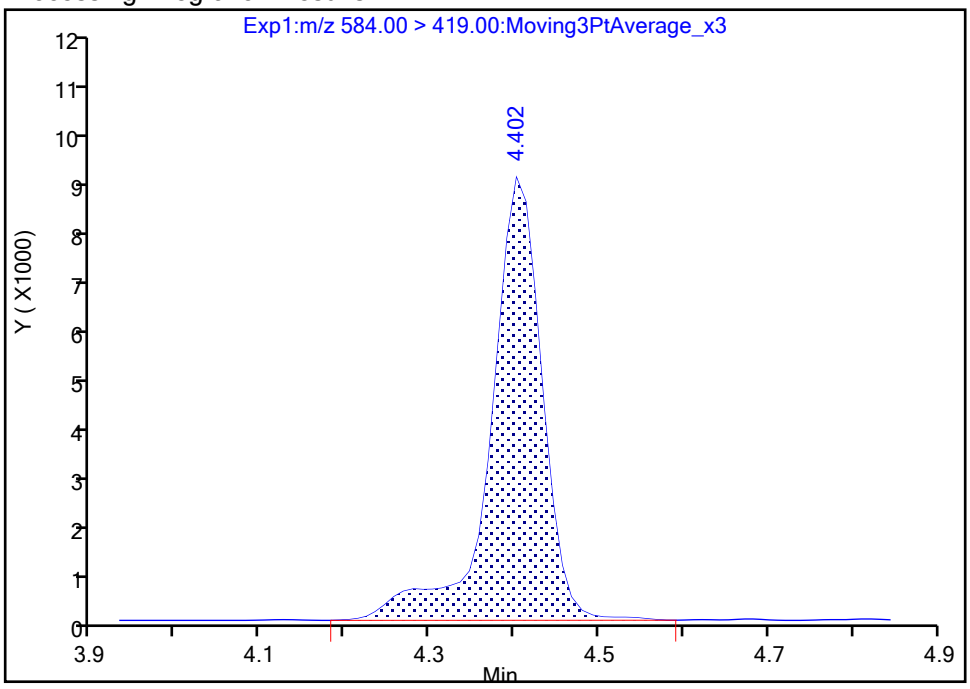
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B14.d				
Injection Date:	03-Mar-2021 20:45:55	Instrument ID:	LC812		
Lims ID:	CCV L4				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

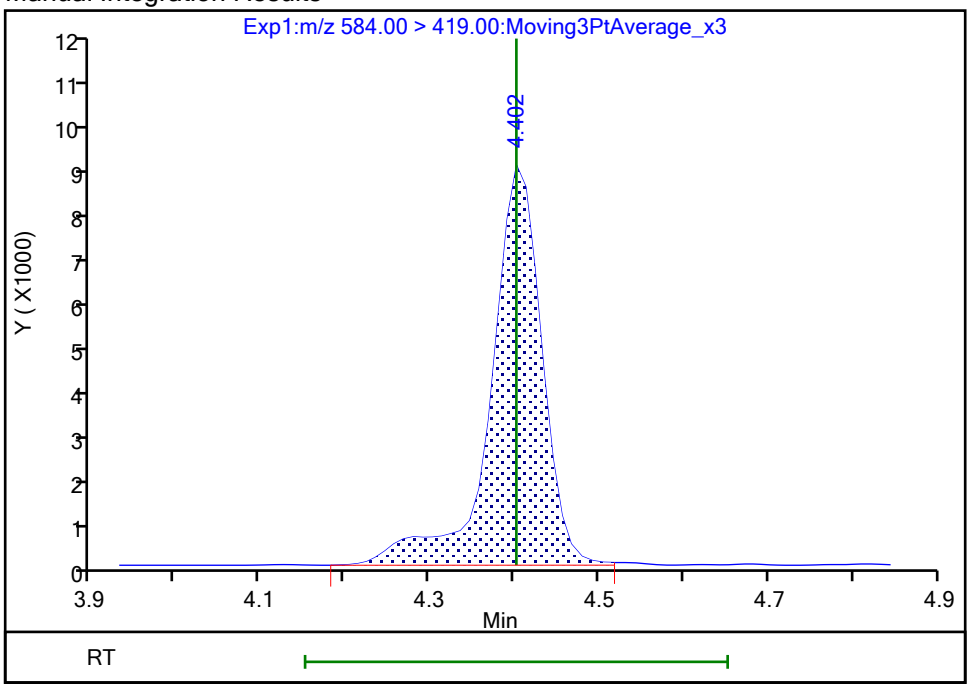
Processing Integration Results

RT: 4.40
Area: 38069
Amount: 1.004018
Amount Units: ng/ml



Manual Integration Results

RT: 4.40
Area: 37941
Amount: 1.000642
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:27:01

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM VII
LCMS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Lab Sample ID: CCV 200-164492/27 Calibration Date: 03/03/2021 22:33

Instrument ID: LC812 Calib Start Date: 12/22/2020 12:48

GC Column: C-18 ID: 4.60(mm) Calib End Date: 12/22/2020 13:29

Lab File ID: PA210303B27.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorobutanoic acid (PFBA)	AveID	1.002	0.9701		2.42	2.50	-3.2	40.0
Perfluoropentanoic acid (PFPeA)	AveID	1.107	1.087		2.45	2.50	-1.8	40.0
Perfluorobutanesulfonic acid (PFBS)	AveID	1.131	1.070		2.09	2.21	-5.4	40.0
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	AveID	1.834	1.849		2.35	2.34	0.8	50.0
Perfluorohexanoic acid (PFHxA)	AveID	1.092	1.059		2.42	2.50	-3.1	40.0
Perfluoropentanesulfonic acid	AveID	1.312	1.369		2.45	2.35	4.3	50.0
HFPO-DA	AveID	1.385	1.459		2.63	2.50	5.3	40.0
Perfluoroheptanoic acid (PFHpA)	AveID	1.092	1.106		2.53	2.50	1.3	40.0
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.178	1.126		2.17	2.28	-4.5	40.0
DONA	AveID	3.349	3.265		2.30	2.36	-2.5	50.0
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	AveID	1.112	0.9900		2.11	2.37	-11.0	40.0
Perfluoroheptanesulfonic Acid (PFHpS)	AveID	1.350	1.341		2.36	2.38	-0.6	50.0
Perfluorooctanoic acid (PFOA)	AveID	1.084	1.102		2.54	2.50	1.7	40.0
Perfluorooctanesulfonic acid (PFOS)	AveID	1.150	1.147		2.31	2.32	-0.2	40.0
Perfluorononanoic acid (PFNA)	AveID	1.107	1.063		2.40	2.50	-3.9	40.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	AveID	1.283	1.094		1.99	2.33	-14.7	50.0
Perfluorononanesulfonic acid	AveID	0.8581	0.8278		2.32	2.40	-3.5	50.0
Perfluorodecanoic acid (PFDA)	AveID	1.031	1.024		2.48	2.50	-0.7	40.0
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	AveID	0.6801	0.6015		2.12	2.40	-11.6	40.0
Perfluorooctanesulfonamide (PFOSA)	AveID	1.002	1.047		2.61	2.50	4.4	40.0
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	0.8864	0.8789		2.48	2.50	-0.8	40.0
Perfluorodecanesulfonic acid (PFDS)	AveID	0.6841	0.6866		2.42	2.41	0.4	50.0
Perfluoroundecanoic acid (PFUnA)	AveID	1.020	1.061		2.60	2.50	4.0	40.0
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.9257	0.8889		2.40	2.50	-4.0	40.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	AveID	1.331	1.023		1.81	2.36	-23.1	50.0
Perfluorododecanoic acid (PFDoA)	AveID	1.100	0.997		2.27	2.50	-9.3	40.0
10:2 FTS	AveID	0.3501	0.3317		2.28	2.41	-5.3	50.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.2517	0.2597		2.50	2.42	3.2	50.0
Perfluorotridecanoic acid (PFTriA)	AveID	0.8926	0.8788		2.46	2.50	-1.5	50.0

FORM VII 537 (modified)

FORM VII
LCMS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Lab Sample ID: CCV 200-164492/27 Calibration Date: 03/03/2021 22:33

Instrument ID: LC812 Calib Start Date: 12/22/2020 12:48

GC Column: C-18 ID: 4.60(mm) Calib End Date: 12/22/2020 13:29

Lab File ID: PA210303B27.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorotetradecanoic acid (PFTeA)	AveID	0.1855	0.2094		2.82	2.50	12.9	40.0
Perfluoro-n-hexadecanoic acid (PFHxDA)	L1ID		1.010		2.70	2.50	7.8	40.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	0.8998	0.8155		2.27	2.50	-9.4	50.0
13C4 PFBA	Ave	1.343	1.199		1.12	1.25	-10.8	50.0
13C5 PFPeA	Ave	0.9710	0.8582		1.10	1.25	-11.6	50.0
13C3 PFBS	Ave	1.278	1.127		1.03	1.16	-11.8	50.0
M2-4:2 FTS	Ave	0.1066	0.0852		0.933	1.17	-20.1	50.0
13C2 PFHxA	Ave	1.018	0.9442		1.16	1.25	-7.2	50.0
13C3 HFPO-DA	Ave	0.1792	0.1238		0.864	1.25	-30.9	50.0
13C4 PFHpA	Ave	0.9742	0.8823		1.13	1.25	-9.4	50.0
18O2 PFHxS	Ave	0.9511	0.8759		1.09	1.18	-7.9	50.0
M2-6:2 FTS	Ave	0.1187	0.1083		1.08	1.19	-8.8	50.0
13C4 PFOA	Ave	0.9896	0.9192		1.16	1.25	-7.1	50.0
13C4 PFOS	Ave	0.6528	0.6179		1.13	1.20	-5.3	50.0
13C5 PFNA	Ave	0.8730	0.7886		1.13	1.25	-9.7	50.0
13C2 PFDA	Ave	0.8346	0.7098		1.06	1.25	-15.0	50.0
M2-8:2 FTS	Ave	0.1225	0.1067		1.04	1.20	-12.9	50.0
13C8 FOSA	Ave	1.227	1.119		1.14	1.25	-8.8	50.0
d3-NMeFOSAA	Ave	0.0605	0.0481		0.992	1.25	-20.6	50.0
13C2 PFUnA	Ave	0.6856	0.5369		0.979	1.25	-21.7	50.0
d5-NEtFOSAA	Ave	0.0585	0.0472		1.01	1.25	-19.3	50.0
13C2 PFDoA	Ave	0.7238	0.5902		1.02	1.25	-18.5	50.0
13C2 PFTeDA	Ave	0.5353	0.4379		1.02	1.25	-18.2	50.0
13C2 PFHxDA	Ave	0.5718	0.4637		1.01	1.25	-18.9	50.0

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B27.d
Lims ID: CCV L5
Client ID:
Sample Type: CCV
Inject. Date: 03-Mar-2021 22:33:38 ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: CCV L5
Misc. Info.: 200-0045034-027 Plate: 1 Rack: 2
Operator ID: lc812tech Instrument ID: LC812
Sublist: chrom-PFC_LC812*sub3

Method: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 04-Mar-2021 11:31:39 Calib Date: 22-Dec-2020 13:29:37
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1647

First Level Reviewer: khanphomeea Date: 04-Mar-2021 10:56:25
Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.082	2.091	-0.009	0.596	1563241	1.12		89.2	10647	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.082	2.091	-0.009	1.000	3032846	2.42		96.8	703	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.401	2.413	-0.012	0.687	1118992	1.10		88.4	2660	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.414	2.413	0.001	1.005	2432548	2.45		98.2	123	M
D 47 13C3 PFBS										M
301.90 > 80.00	2.427	2.439	-0.012	0.695	1366372	1.03		88.2	175861	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.427	2.439	-0.012	1.000	2779501	2.09	Target=2.21	94.6	1780	M
298.90 > 99.00	2.427	2.439	-0.012	1.000	1317684		2.11(1.11-3.32)		767	
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.735	2.734	0.001	0.783	103771	0.9331		79.9	116	M
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.735	2.734	0.001	1.000	383705	2.35		101	2187	
D 7 13C2 PFHxA										
315.00 > 270.00	2.771	2.770	0.001	0.793	1231143	1.16		92.8	4225	
6 Perfluorohexanoic acid										
313.00 > 269.00	2.771	2.770	0.001	1.000	2607013	2.42	Target=12.83	96.9	465	
313.00 > 119.00	2.771	2.770	0.001	1.000	215170		12.12(6.42-19.25)		331	
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.771	2.783	-0.012	0.885	2932937	2.45	Target=3.35	104	2023	M
349.00 > 99.00	2.771	2.783	-0.012	0.885	803075		3.65(1.67-5.02)		818	M
D 64 13C3 HFPO-DA										
332.10 > 287.00	2.881	2.880	0.001	0.825	161411	0.8636		69.1	1749	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
67 Perfluoro(2-propoxypropanoic) ac										M
329.10 > 285.00	2.881	2.880	0.001	1.000	470852	2.63		105	105	M
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.133	3.132	0.001	1.000	2340492	2.17	Target=4.15	95.5	1350	M
399.00 > 99.00	3.133	3.132	0.001	1.000	585122		4.00(2.08-6.23)		534	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.133	3.132	0.001	0.897	1080374	1.09		92.1	1878	
D 9 13C4 PFHpA										
367.00 > 322.00	3.133	3.143	-0.010	0.897	1150407	1.13		90.6	3410	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.133	3.143	-0.010	1.000	2544441	2.53	Target=3.66	101	767	M
363.00 > 169.00	3.133	3.143	-0.010	1.000	676538		3.76(1.83-5.49)		1186	M
77 DONA										M
377.00 > 251.00	3.176	3.175	0.001	0.835	4956634	2.30	Target=2.43	97.5	3022	M
377.00 > 85.00	3.176	3.175	0.001	0.835	2050270		2.42(1.22-3.65)		1304	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.484	3.483	0.001	0.916	2057802	2.36	Target=5.95	99.4	2117	M
449.00 > 99.00	3.484	3.483	0.001	0.916	339184		6.07(2.98-8.93)		917	M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.484	3.483	0.001	0.997	134121	1.08		91.2	394	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.484	3.483	0.001	1.000	265005	2.11		89.0	1117	M
D 14 13C4 PFOA										
417.00 > 372.00	3.493	3.492	0.001	1.000	1198548	1.16		92.9	3399	
* 62 13C2 PFOA										
415.00 > 370.00	3.493	3.492	0.001		1303911	1.25			3643	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.493	3.492	0.001	1.000	2642675	2.54	Target=2.58	102	718	
413.00 > 169.00	3.493	3.492	0.001	1.000	1037052		2.55(1.29-3.87)		1701	M
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.805	3.804	0.001	1.000	1715929	2.31	Target=5.65	99.8	378	M
499.00 > 99.00	3.805	3.804	0.001	1.000	305747		5.61(2.82-8.47)		354	M
D 18 13C4 PFOS										
503.00 > 80.00	3.805	3.804	0.001	1.089	770251	1.13		94.7	1895	
D 19 13C5 PFNA										
468.00 > 423.00	3.826	3.825	0.001	1.095	1028204	1.13		90.3	3272	
20 Perfluorononanoic acid										
463.00 > 419.00	3.826	3.825	0.001	1.000	2186930	2.40	Target=7.44	96.1	482	
463.00 > 169.00	3.826	3.825	0.001	1.000	331987		6.59(3.72-11.16)		1858	
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.967	3.964	0.003	1.042	1643642	1.99		85.3	2803	M
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.095	4.093	0.002	1.076	1280546	2.32	Target=2.54	96.5	3952	
549.00 > 99.00	4.095	4.093	0.002	1.076	460238		2.78(1.27-3.81)		1195	
D 23 13C2 PFDA										
515.00 > 470.00	4.118	4.126	-0.008	1.179	925559	1.06		85.0	4066	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										
513.00 > 469.00	4.118	4.126	-0.008	1.000	1894779	2.48	Target=9.29	99.3	1358	
513.00 > 169.00	4.118	4.126	-0.008	1.000	231726		8.18(4.64-13.93)		1146	
D 26 M2-8:2 FTS										M
529.00 > 81.00	4.129	4.137	-0.008	1.182	133270	1.04		87.1	621	M
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.129	4.137	-0.008	1.000	160315	2.12		88.4	1194	
D 21 13C8 FOSA										M
506.00 > 78.00	4.217	4.225	-0.008	1.207	1459284	1.14		91.2	2227	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.217	4.225	-0.008	1.000	3054590	2.61		104	3471	
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.260	4.268	-0.008	1.219	62661	0.99		79.4	94.8	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.272	4.268	0.004	1.003	110142	2.48		99.2	327	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.350	4.358	-0.008	1.143	1066518	2.42	Target=2.80	100	3035	
599.00 > 99.00	4.350	4.358	-0.008	1.143	374143		2.85(1.40-4.19)		3426	
D 30 13C2 PFUnA										
565.00 > 520.00	4.384	4.391	-0.007	1.255	700027	0.9788		78.3	2995	
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.384	4.391	-0.007	1.000	1484797	2.60	Target=8.12	104	1022	
563.00 > 169.00	4.384	4.391	-0.007	1.000	196108		7.57(4.06-12.18)		2184	
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.395	4.402	-0.007	1.258	61588	1.01		80.7	525	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.406	4.402	0.004	1.003	109487	2.40		96.0	714	M
66 11-Chloroeicosafluoro-3-oxaundec										
631.00 > 451.00	4.473	4.480	-0.008	1.175	1553363	1.81		76.9	3270	
D 36 13C2 PFDoA										
615.00 > 570.00	4.616	4.612	0.004	1.321	769598	1.02		81.5	4801	
37 Perfluorododecanoic acid										
613.00 > 569.00	4.616	4.612	0.004	1.000	1534915	2.27	Target=6.91	90.7	395	
613.00 > 169.00	4.616	4.612	0.004	1.000	260727		5.89(3.45-10.36)		2347	
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.626	4.633	-0.007	1.120	88962	2.28		94.7	1368	M
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.788	4.784	0.004	1.258	405069	2.50	Target=0.51	103	2609	
699.00 > 99.00	4.788	4.784	0.004	1.258	798674		0.51(0.26-0.77)		2565	
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.815	4.823	-0.008	1.043	1352686	2.46	Target=4.39	98.5	442	
663.00 > 169.00	4.827	4.823	0.004	1.046	335533		4.03(2.20-6.59)		2784	
D 43 13C2 PFTeDA										
715.00 > 670.00	5.008	5.005	0.003	1.434	571030	1.02		81.8	2695	
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.008	5.005	0.003	1.000	239187	2.82	Target=1.06	113	3231	
713.00 > 219.00	5.008	5.005	0.003	1.000	219277		1.09(0.53-1.59)		1647	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 44 13C2 PFHxDA										
815.00 > 770.00	5.363	5.349	0.014	1.535	604663	1.01		81.1	3025	
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.363	5.349	0.014	1.000	1221023	2.70	Target=3.84	108	521	
813.00 > 169.00	5.363	5.349	0.014	1.000	316629		3.86(1.92-5.76)		2586	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.676	5.665	0.011	1.058	986171	2.27	Target=3.92	90.6	619	M
913.00 > 169.00	5.676	5.665	0.011	1.058	289855		3.40(1.96-5.88)		1362	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCIC5_00013 Amount Added: 100.00 Units: uL

Report Date: 04-Mar-2021 11:31:39 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B27.d

Injection Date: 03-Mar-2021 22:33:38 Instrument ID: LC812

Lims ID: CCV L5

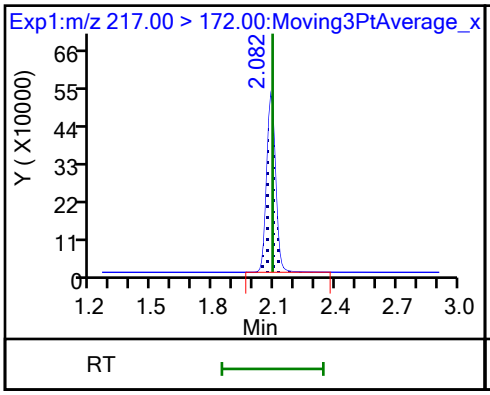
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Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27

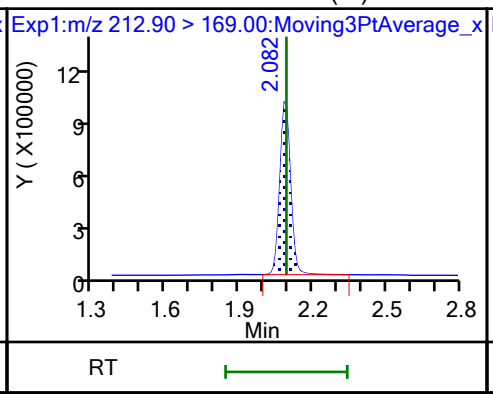
Injection Vol: 20.0 ul Dil. Factor: 1.0000

Method: PFC_LC812 Limit Group: LC_PFC_ICAL

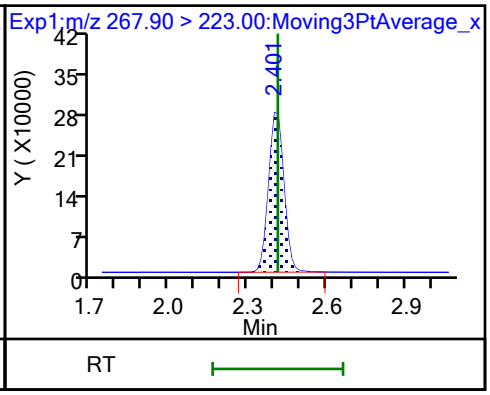
D 1 13C4 PFBA



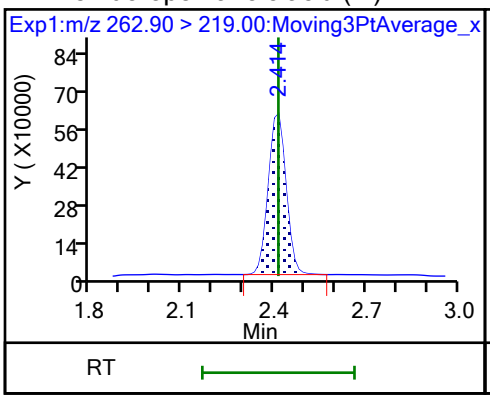
2 Perfluorobutanoic acid (M)



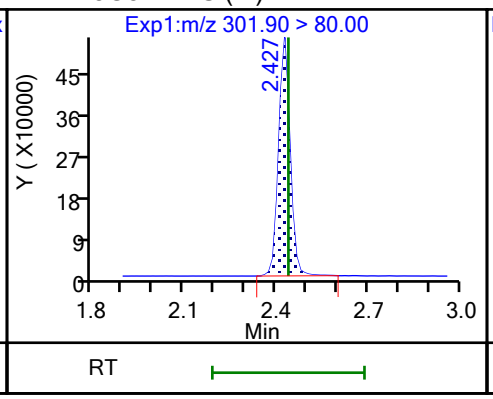
D 3 13C5 PFPeA



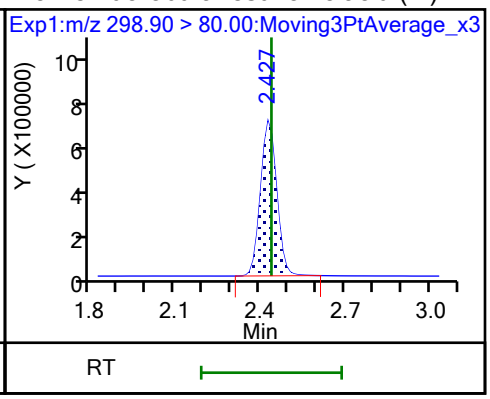
4 Perfluoropentanoic acid (M)



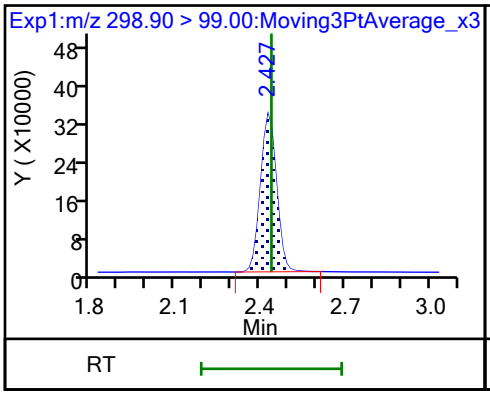
D 47 13C3 PFBS (M)



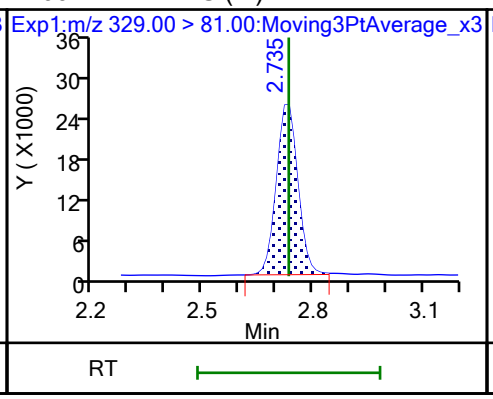
5 Perfluorobutanesulfonic acid (M)



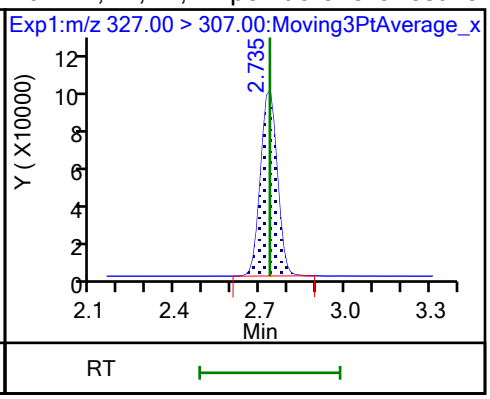
5 Perfluorobutanesulfonic acid



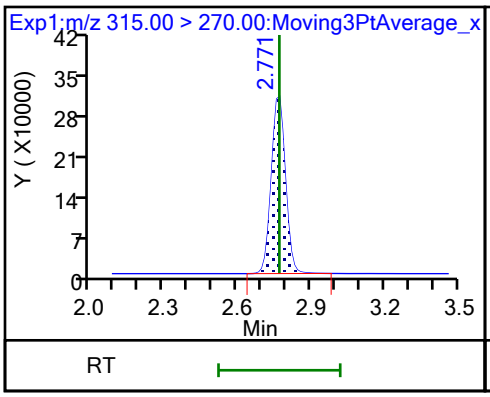
D 60 M2-4:2 FTS (M)



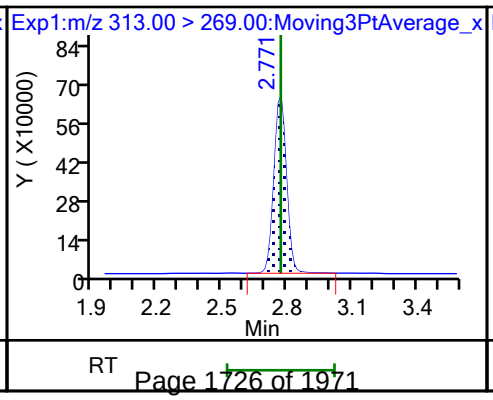
61 1H,1H,2H,2H-perfluorohexanesulfo



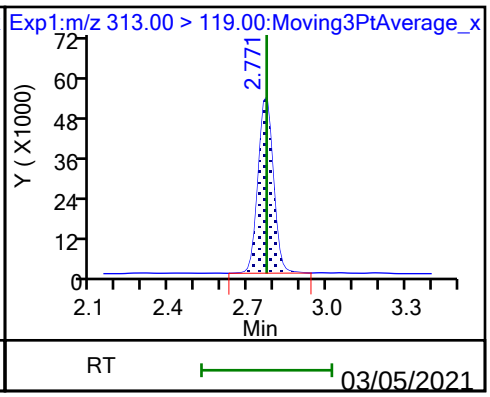
D 7 13C2 PFHxA



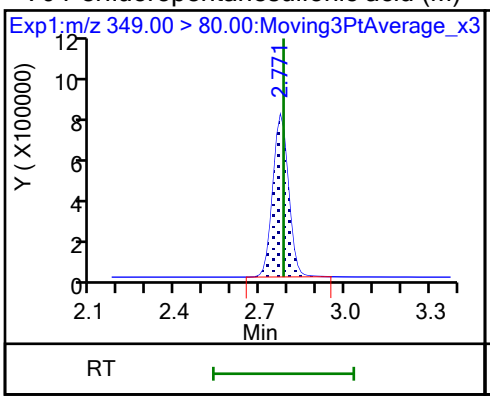
6 Perfluorohexanoic acid



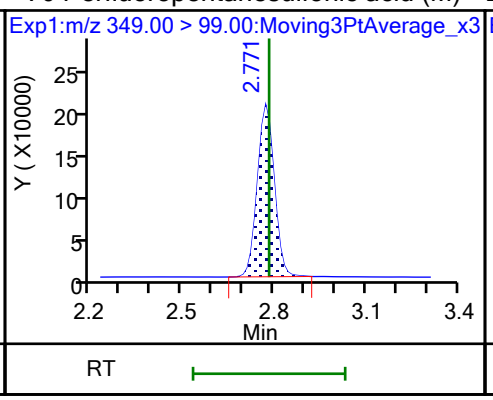
6 Perfluorohexanoic acid



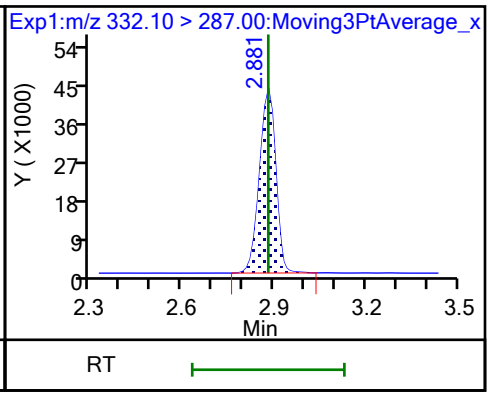
70 Perfluoropentanesulfonic acid (M)



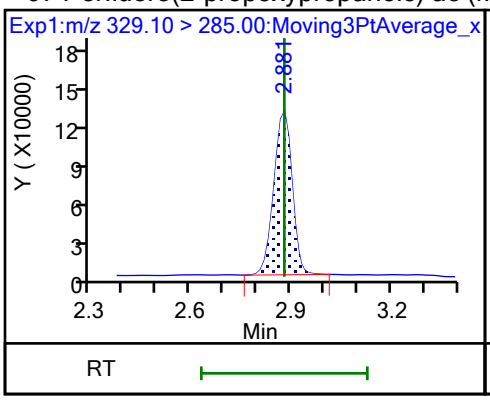
70 Perfluoropentanesulfonic acid (M)



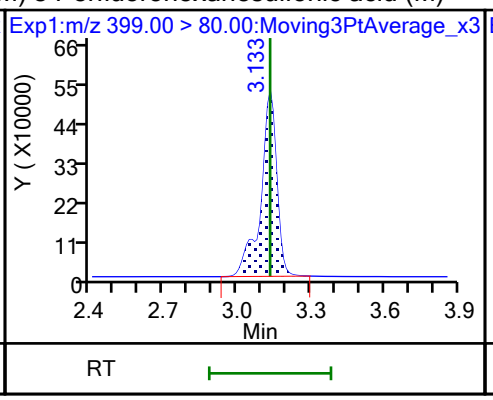
D 64 13C3 HFPO-DA



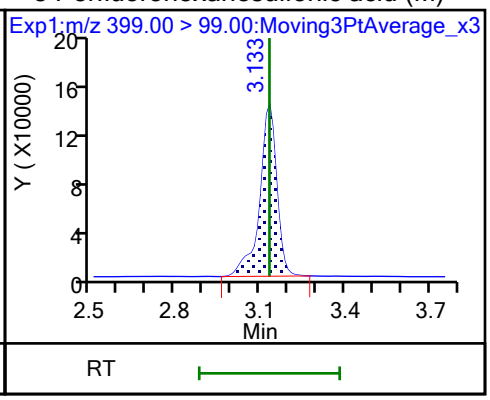
67 Perfluoro(2-propoxypropanoic) ac (M)



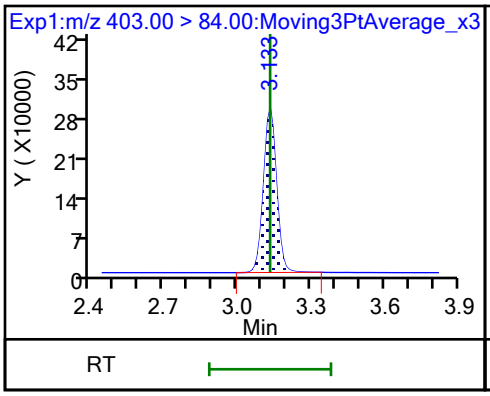
8 Perfluorohexanesulfonic acid (M)



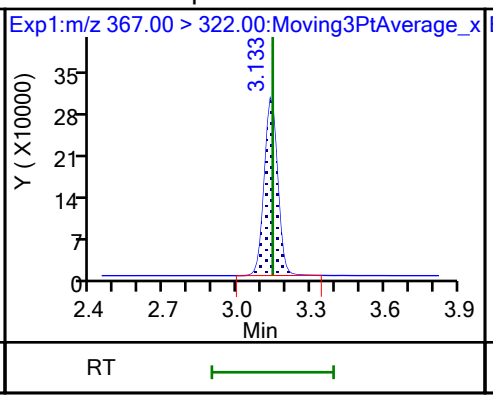
8 Perfluorohexanesulfonic acid (M)



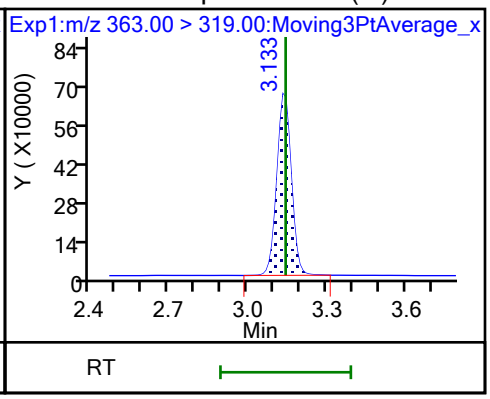
D 11 18O2 PFHxS



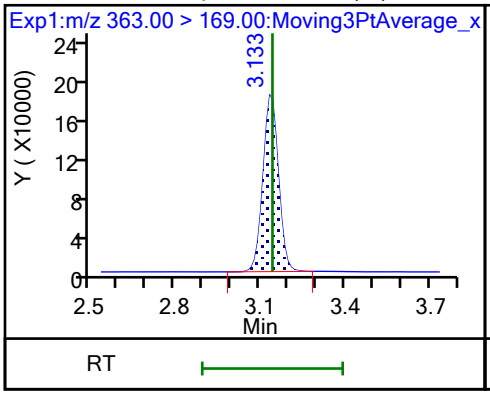
D 9 13C4 PFHpA



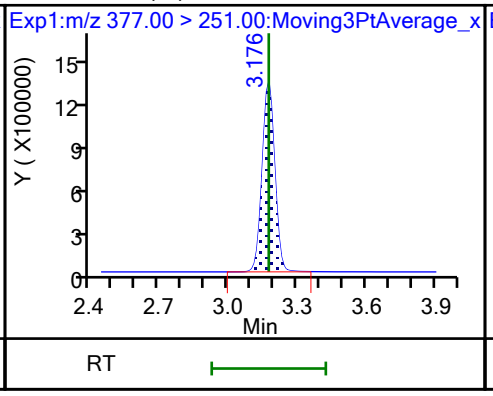
10 Perfluoroheptanoic acid (M)



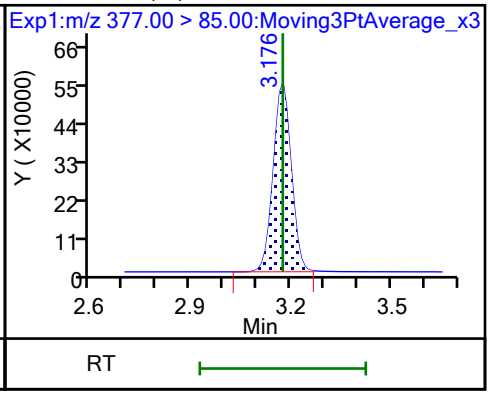
10 Perfluoroheptanoic acid (M)



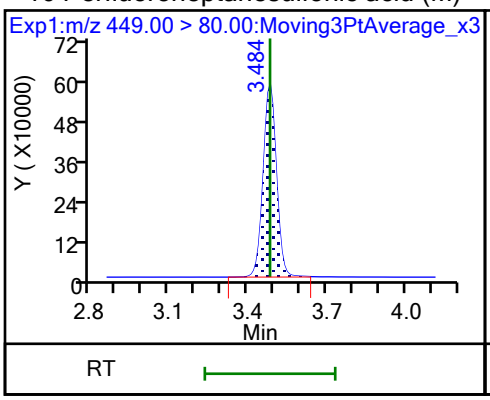
77 DONA (M)



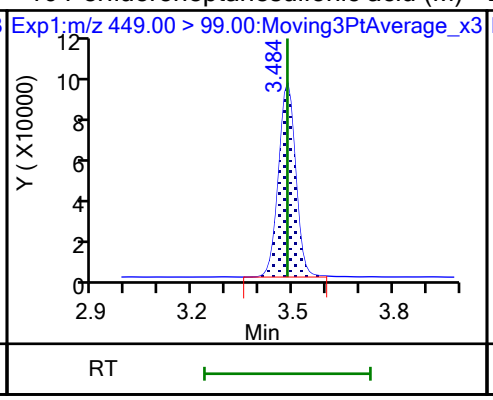
77 DONA (M)



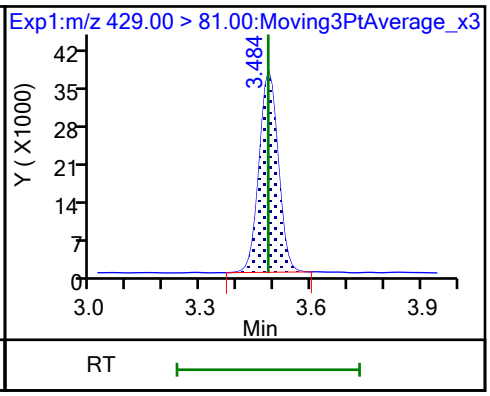
16 Perfluoroheptanesulfonic acid (M)



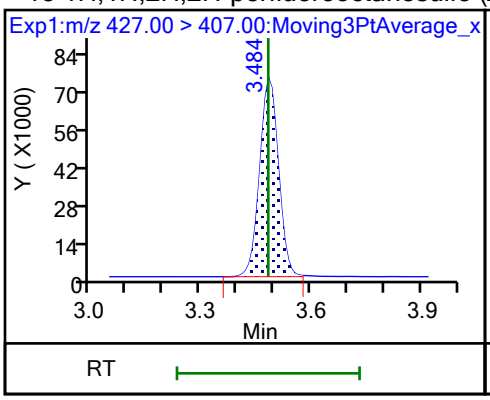
16 Perfluoroheptanesulfonic acid (M)



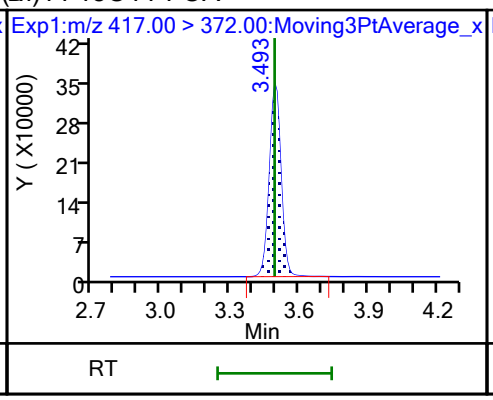
D 12 M2-6:2 FTS



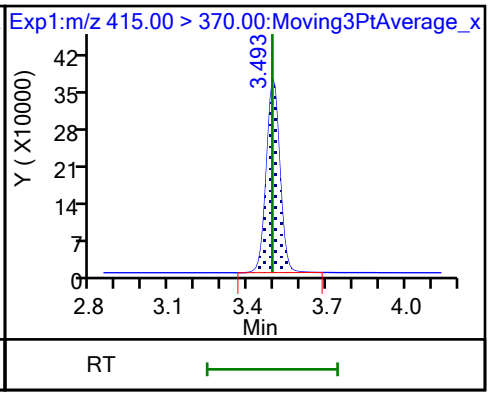
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



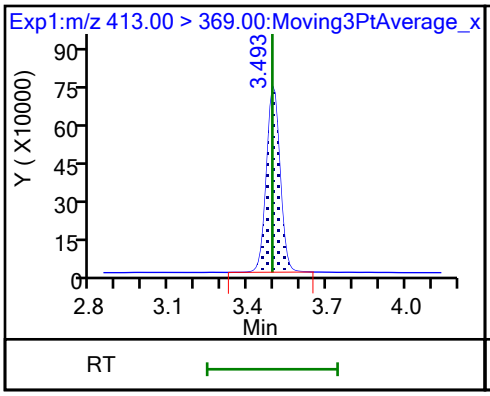
D 14 13C4 PFOA



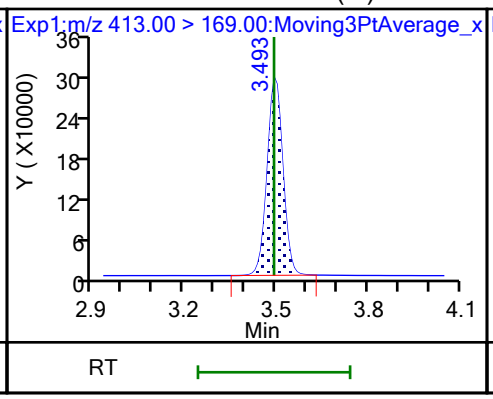
* 62 13C2 PFOA



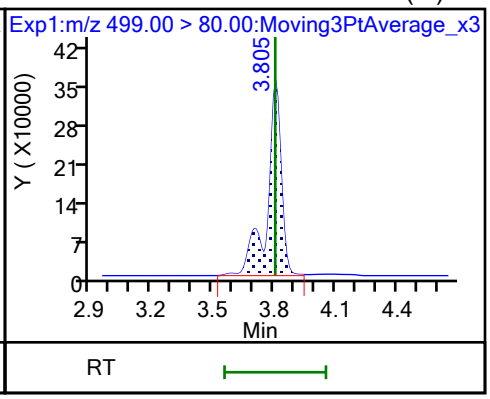
15 Perfluorooctanoic acid



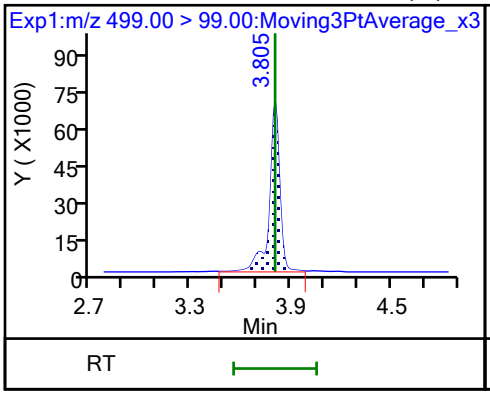
15 Perfluorooctanoic acid (M)



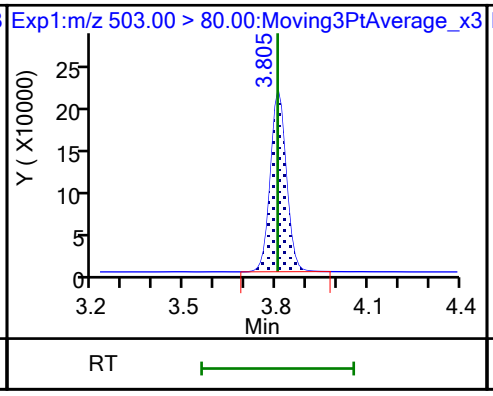
17 Perfluorooctanesulfonic acid (M)



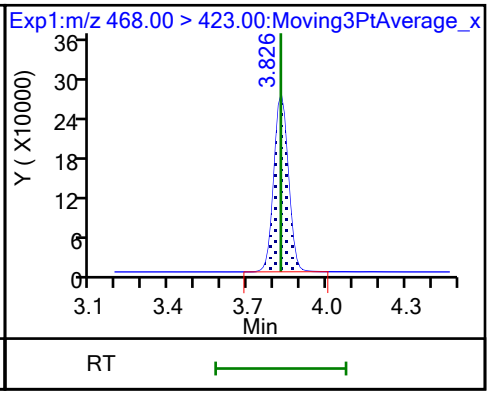
17 Perfluorooctanesulfonic acid (M)



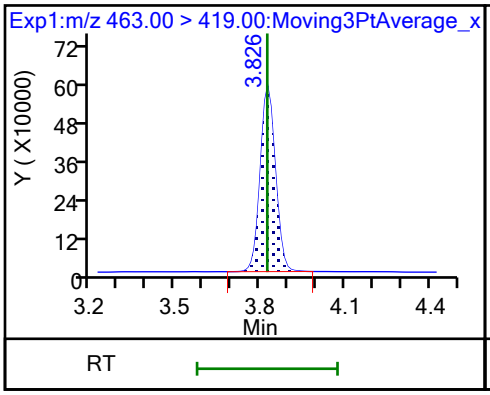
D 18 13C4 PFOS



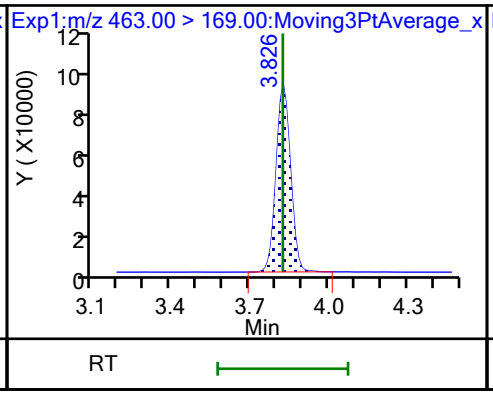
D 19 13C5 PFNA



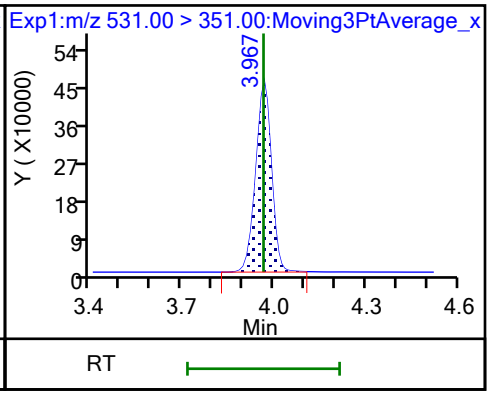
20 Perfluorononanoic acid



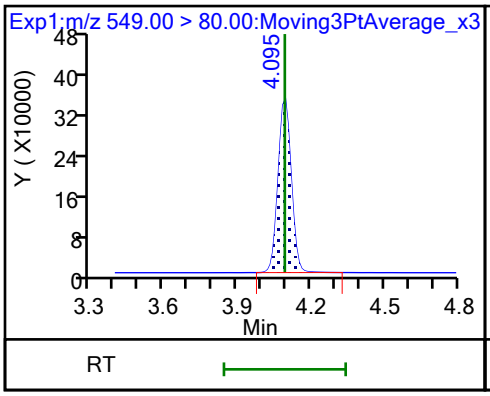
20 Perfluorononanoic acid



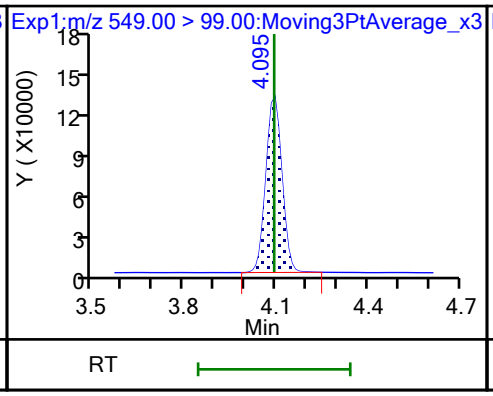
69 9-Chlorohexadecafluoro-3-oxanona (M)



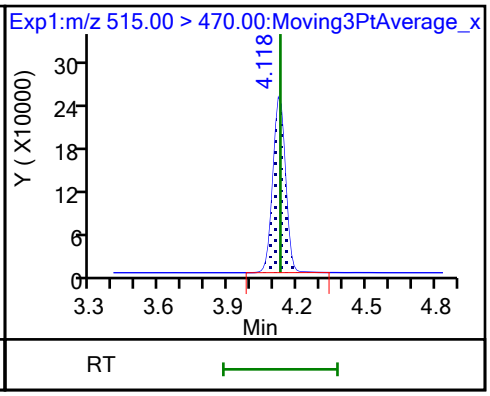
68 Perfluorononanesulfonic acid



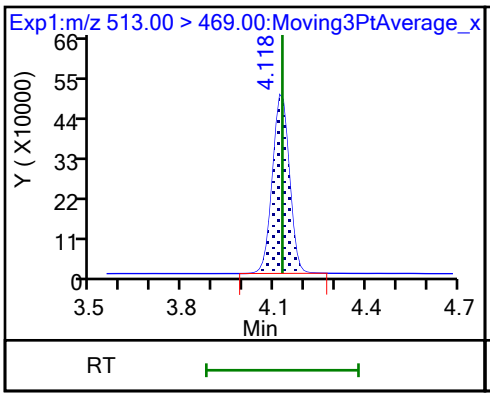
68 Perfluorononanesulfonic acid



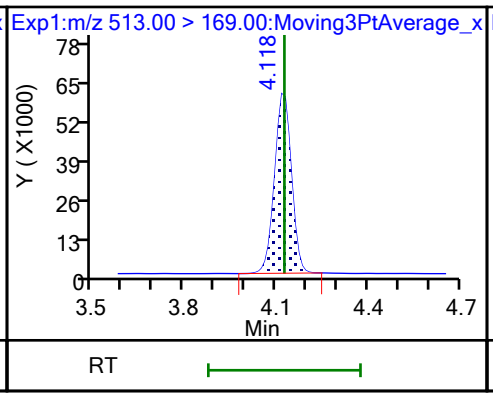
D 23 13C2 PFDA



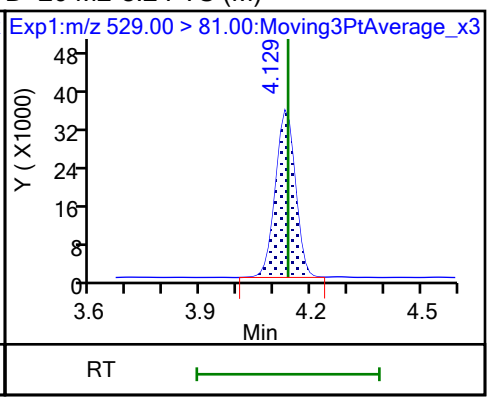
24 Perfluorodecanoic acid



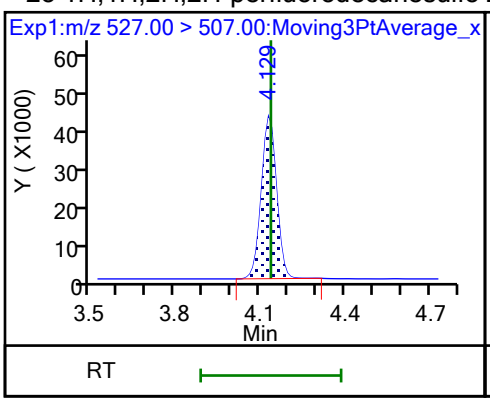
24 Perfluorodecanoic acid



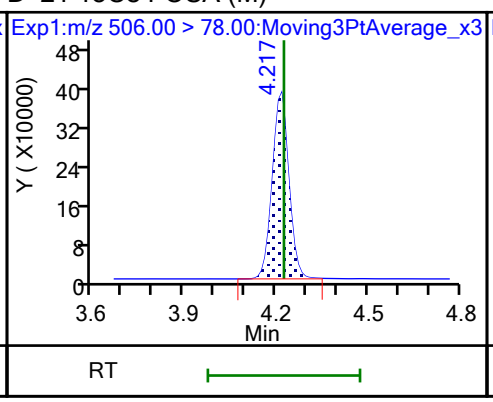
D 26 M2-8:2 FTS (M)



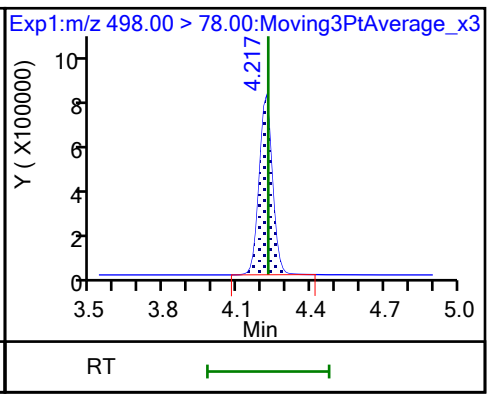
25 1H,1H,2H,2H-perfluorodecanesulfo



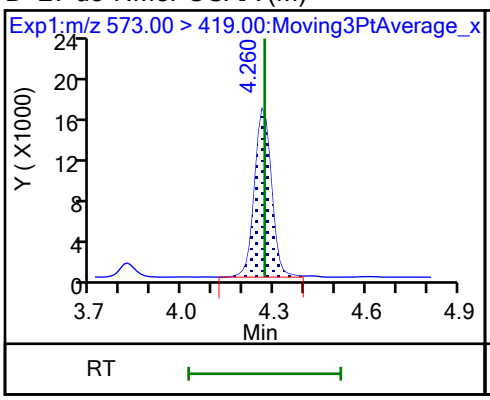
D 21 13C8 FOSA (M)



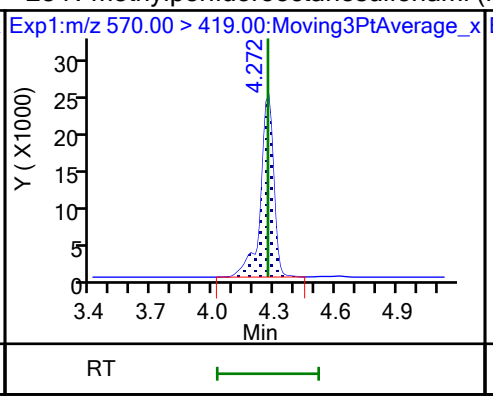
22 Perfluorooctanesulfonamide



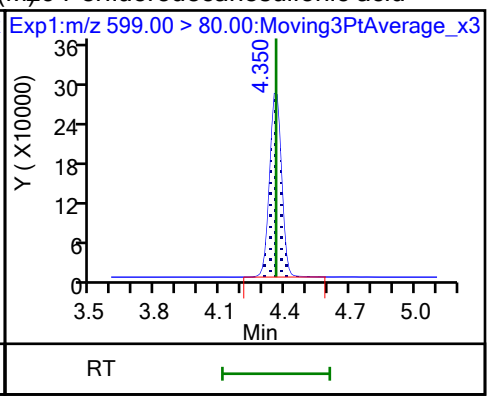
D 27 d3-NMeFOSAA (M)



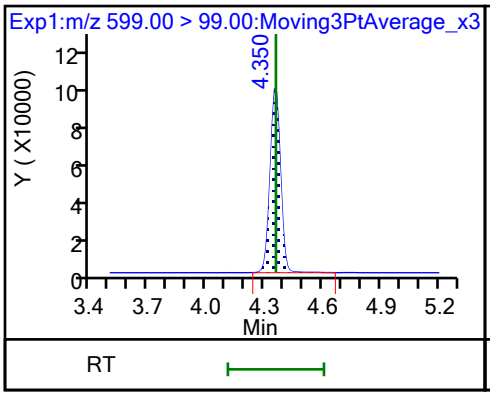
28 N-methylperfluorooctanesulfonami (M)



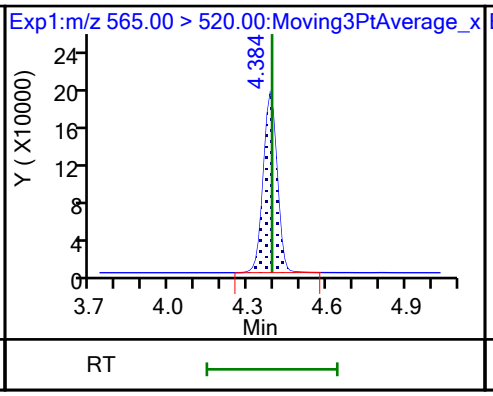
29 Perfluorodecanesulfonic acid



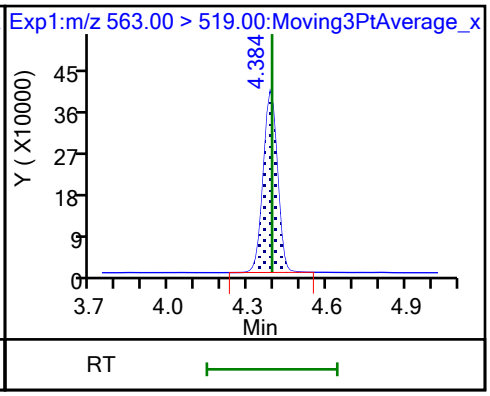
29 Perfluorodecanesulfonic acid



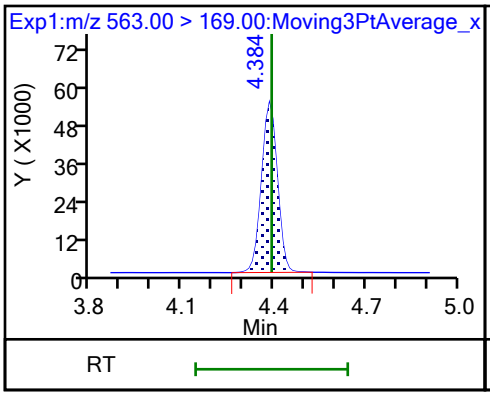
D 30 13C2 PFUnA



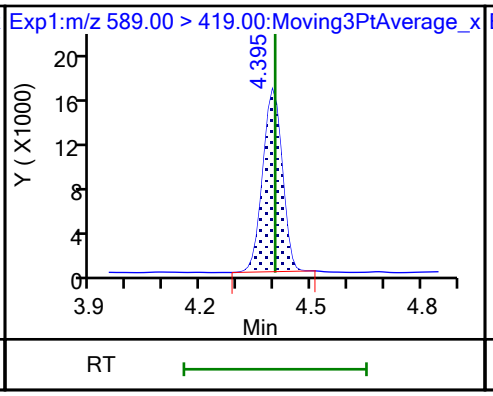
31 Perfluoroundecanoic acid



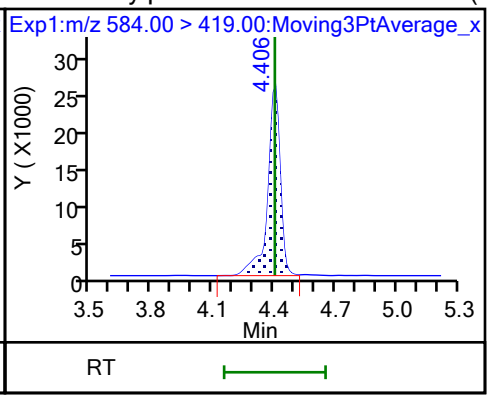
31 Perfluoroundecanoic acid



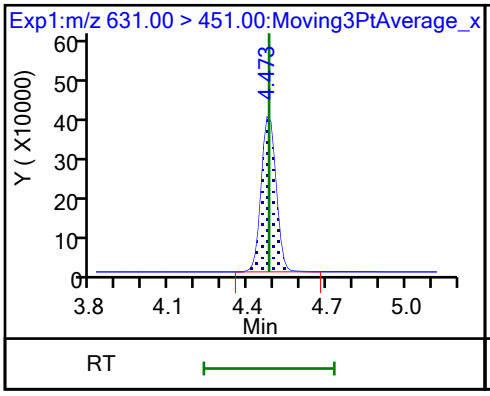
D 32 d5-NEtFOSAA



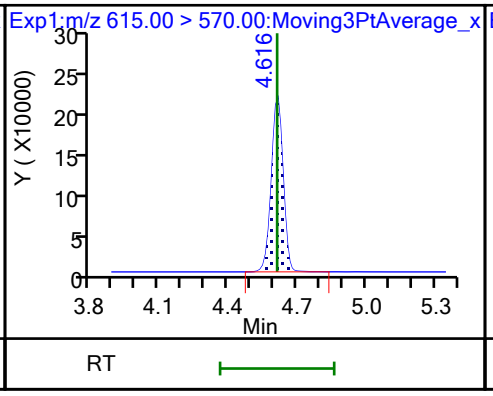
33 N-ethylperfluorooctanesulfonamid (M)



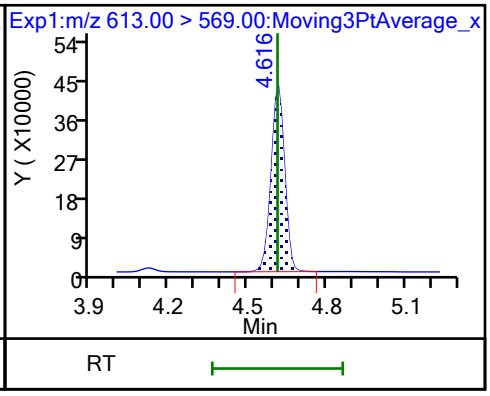
66 11-Chloroeicosafluoro-3-oxaundec



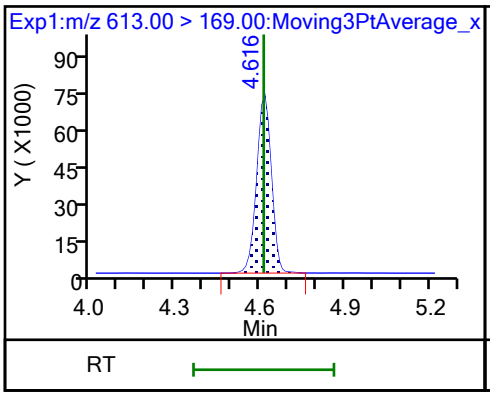
D 36 13C2 PFDoA



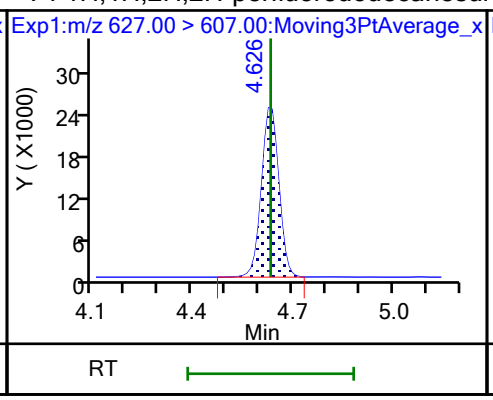
37 Perfluorododecanoic acid



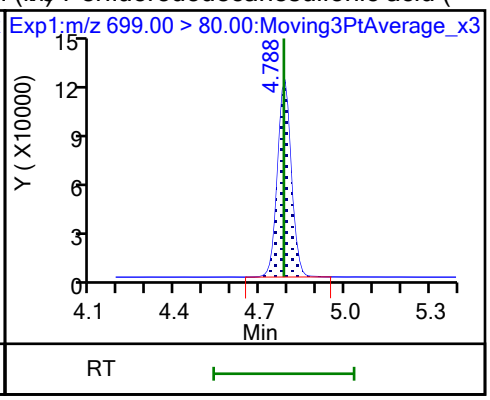
37 Perfluorododecanoic acid



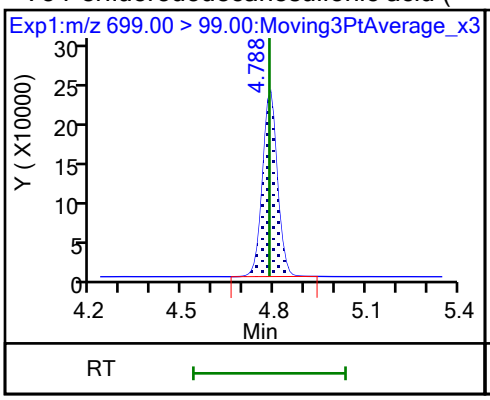
74 1H,1H,2H,2H-perfluorododecanesul (M)



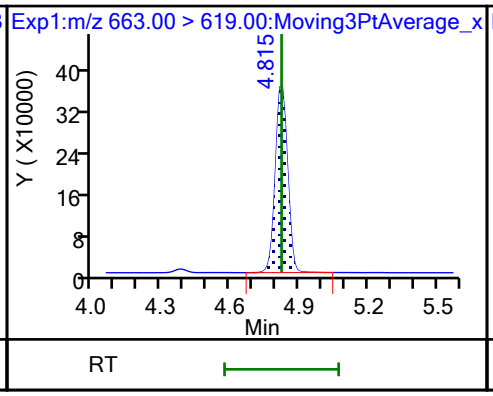
75 Perfluorododecanesulfonic acid (



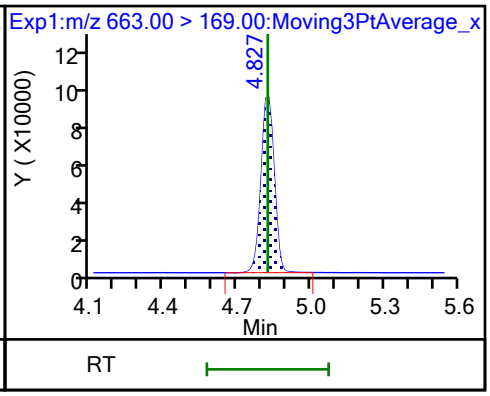
75 Perfluorododecanesulfonic acid (



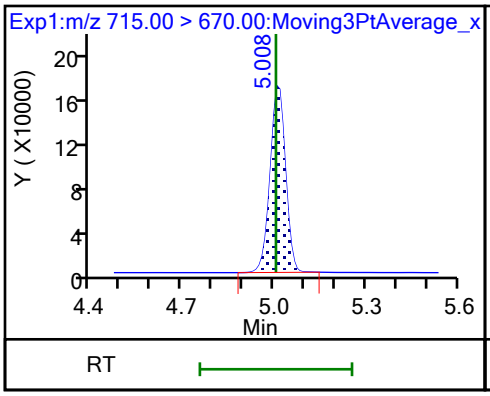
41 Perfluorotridecanoic acid



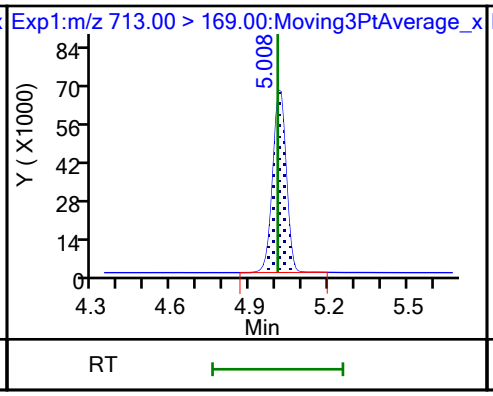
41 Perfluorotridecanoic acid



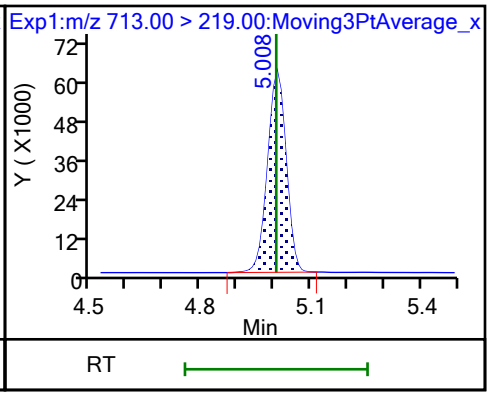
D 43 13C2 PFTeDA



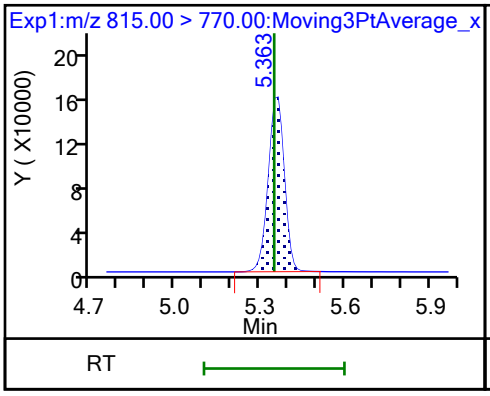
42 Perfluorotetradecanoic acid



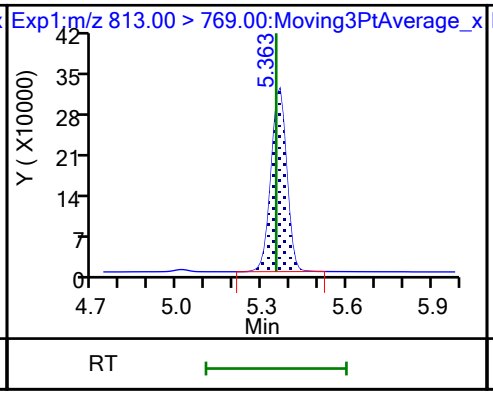
42 Perfluorotetradecanoic acid



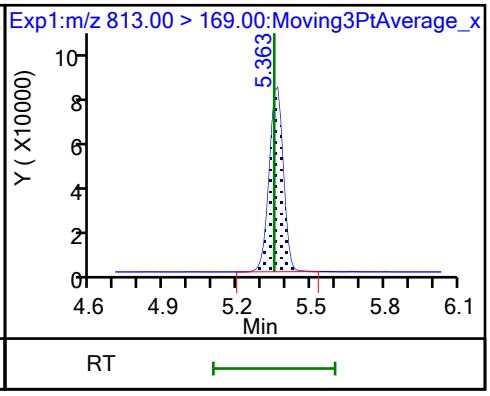
D 44 13C2 PFHxDA



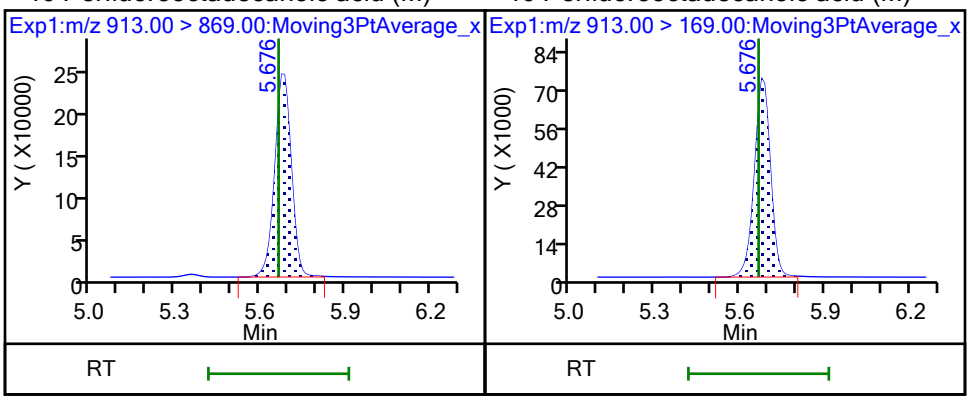
45 Perfluorohexadecanoic acid



45 Perfluorohexadecanoic acid



46 Perfluorooctadecanoic acid (M) 46 Perfluorooctadecanoic acid (M)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

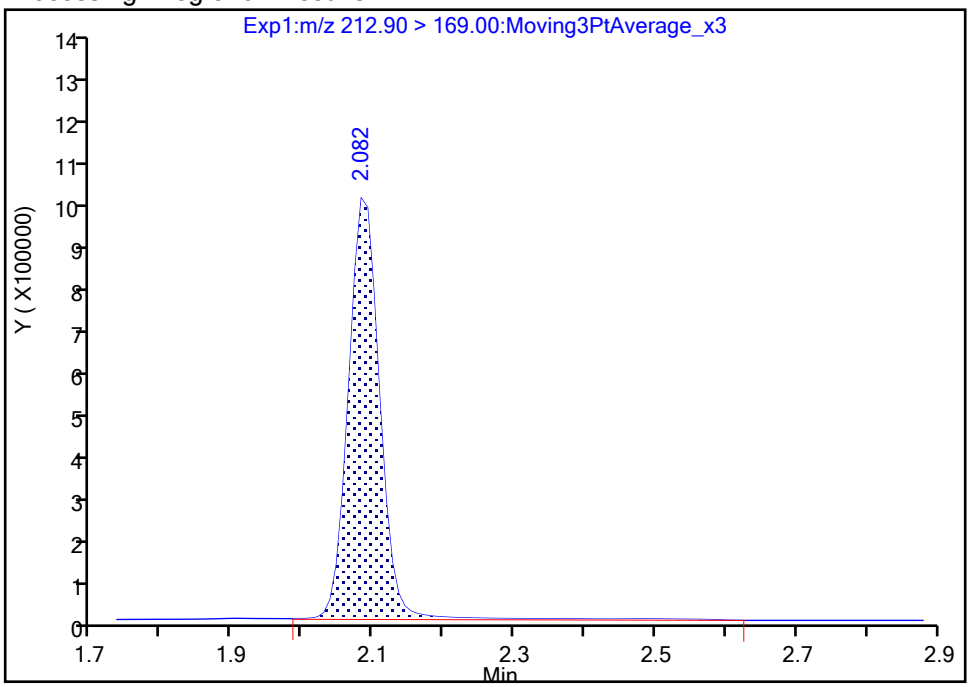
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Injection Date:	03-Mar-2021 22:33:38	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

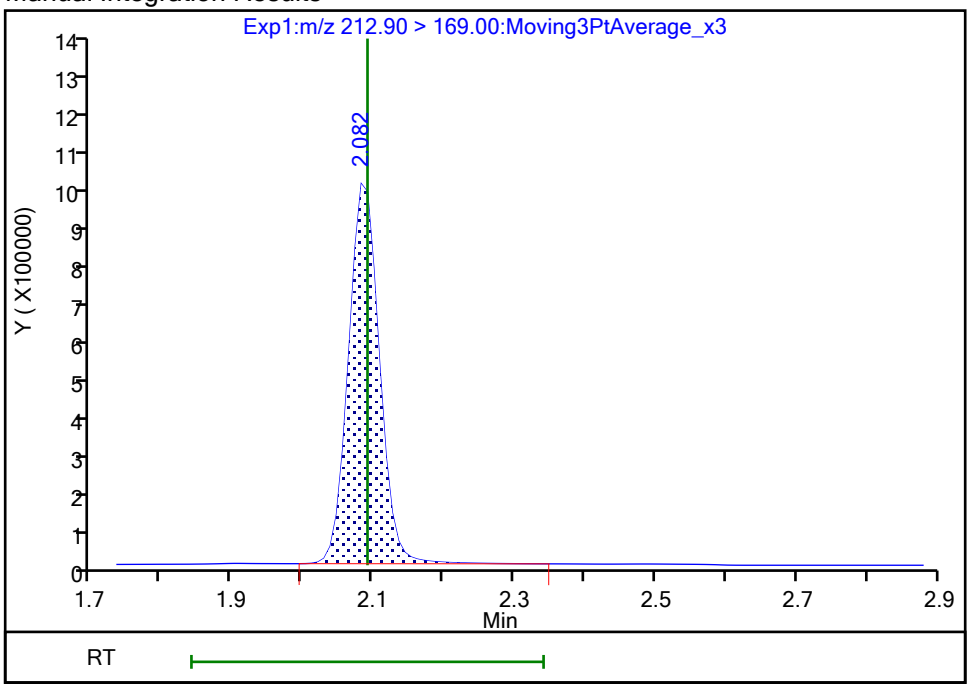
Processing Integration Results

RT: 2.08
Area: 3111979
Amount: 2.483410
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 3032846
Amount: 2.420261
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:53:24

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

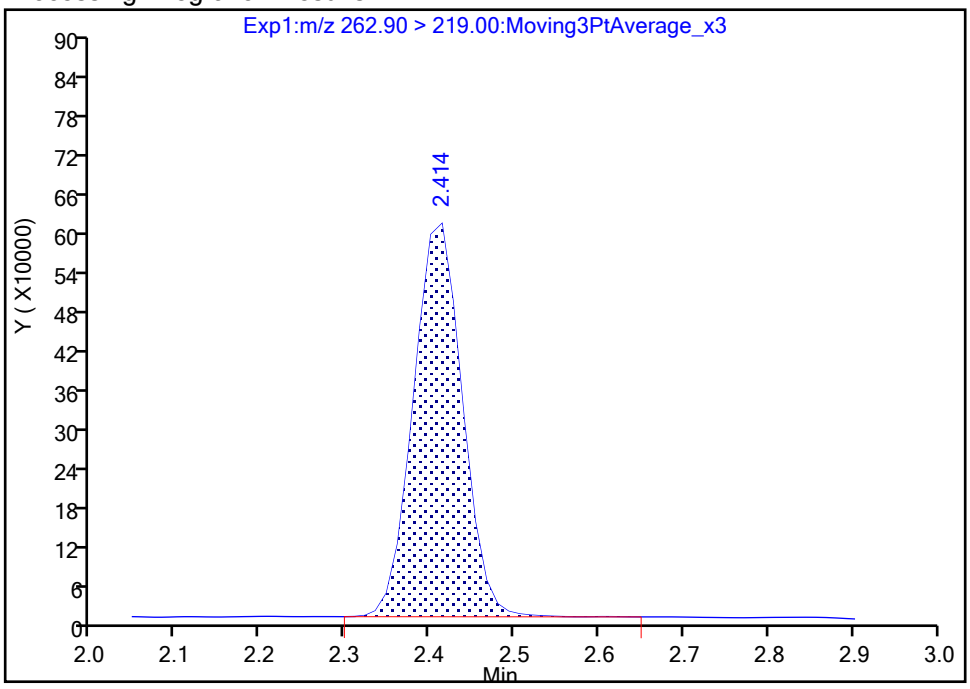
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Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

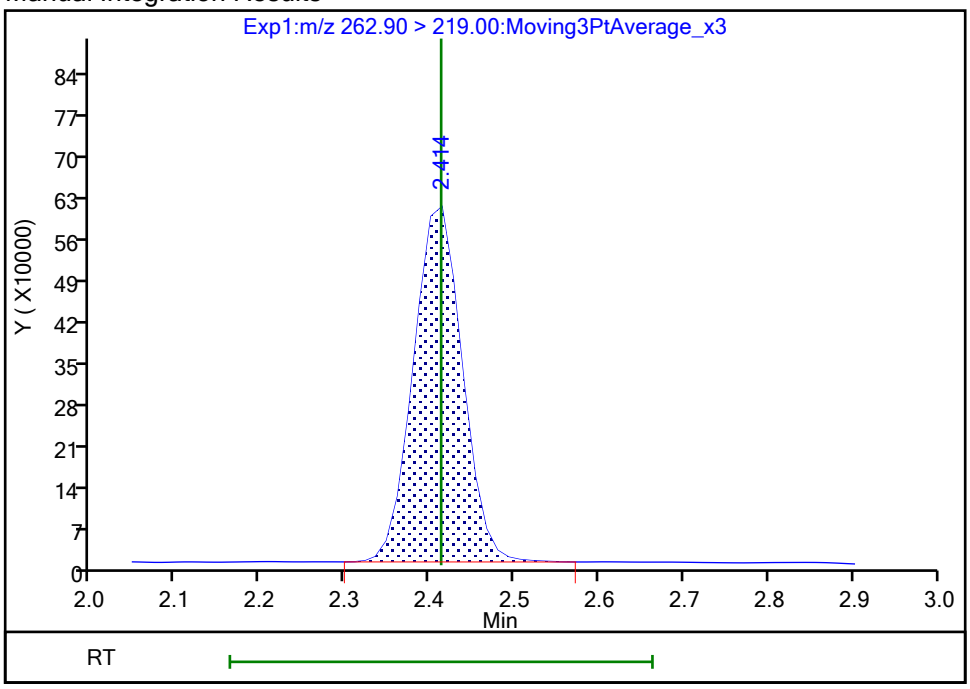
Processing Integration Results

RT: 2.41
Area: 2434842
Amount: 2.456374
Amount Units: ng/ml



Manual Integration Results

RT: 2.41
Area: 2432548
Amount: 2.454060
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:53:29

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

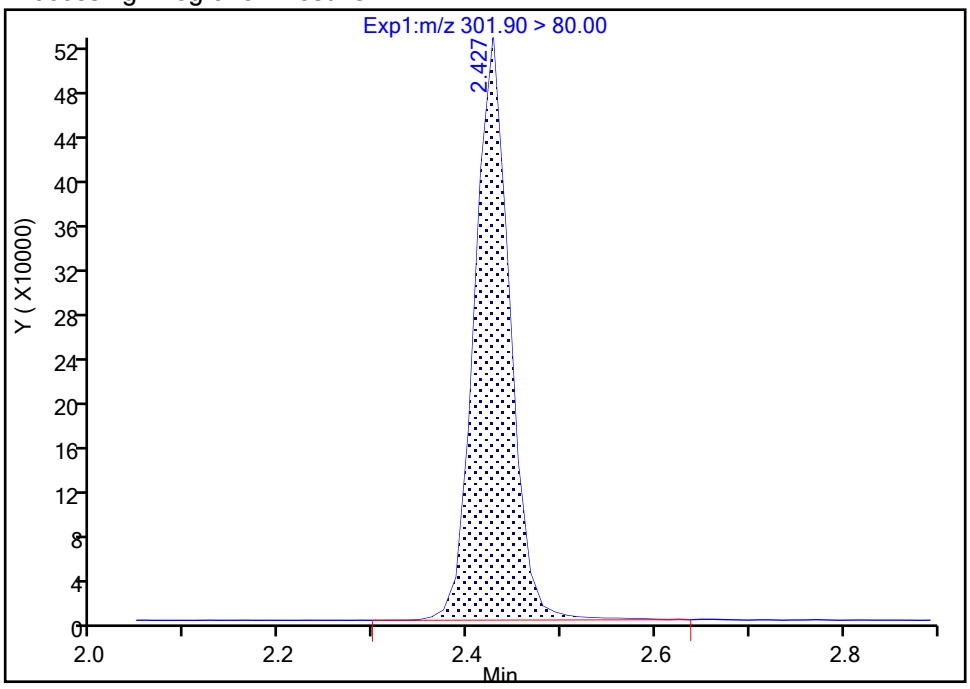
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Injection Date:	03-Mar-2021 22:33:38	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

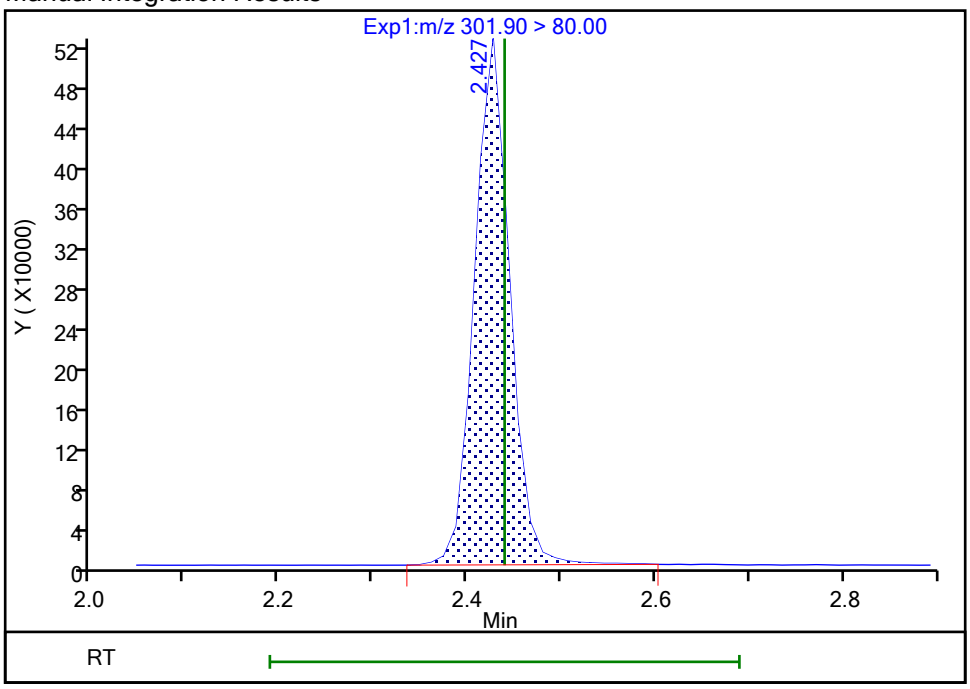
Processing Integration Results

RT: 2.43
Area: 1369542
Amount: 1.027501
Amount Units: ng/ml



Manual Integration Results

RT: 2.43
Area: 1366372
Amount: 1.025122
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:52:46

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

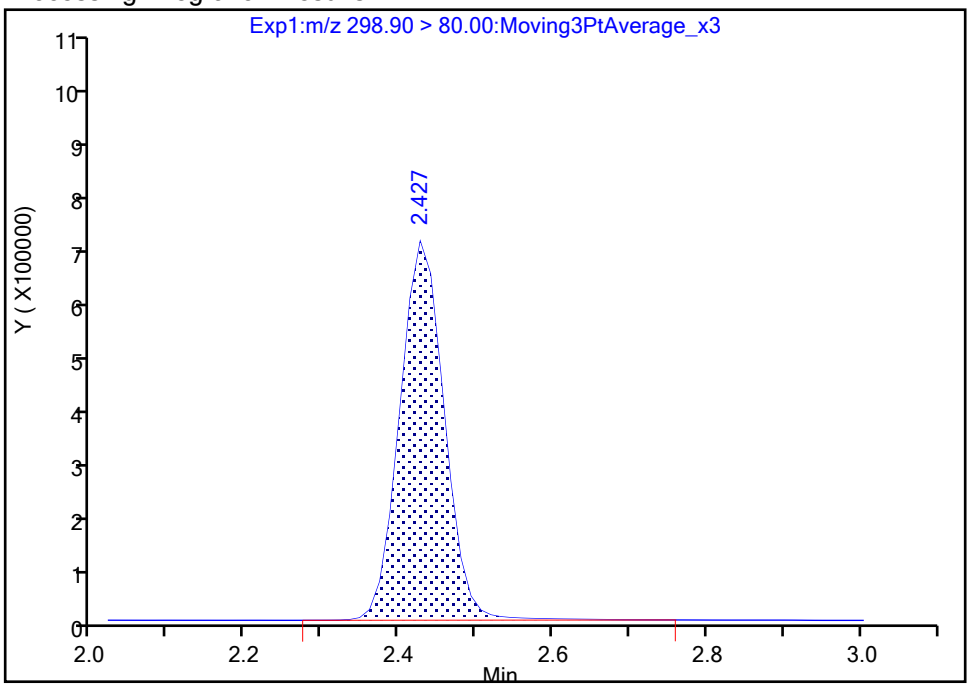
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Injection Date:	03-Mar-2021 22:33:38	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

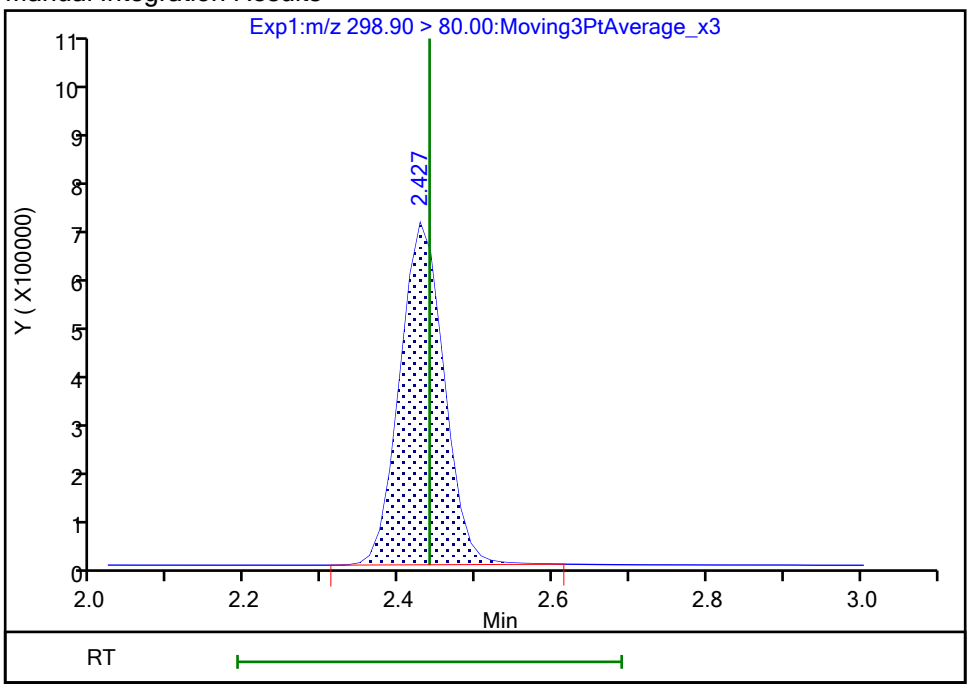
Processing Integration Results

RT: 2.43
Area: 2799521
Amount: 2.105384
Amount Units: ng/ml



Manual Integration Results

RT: 2.43
Area: 2779501
Amount: 2.090328
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:53:35
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

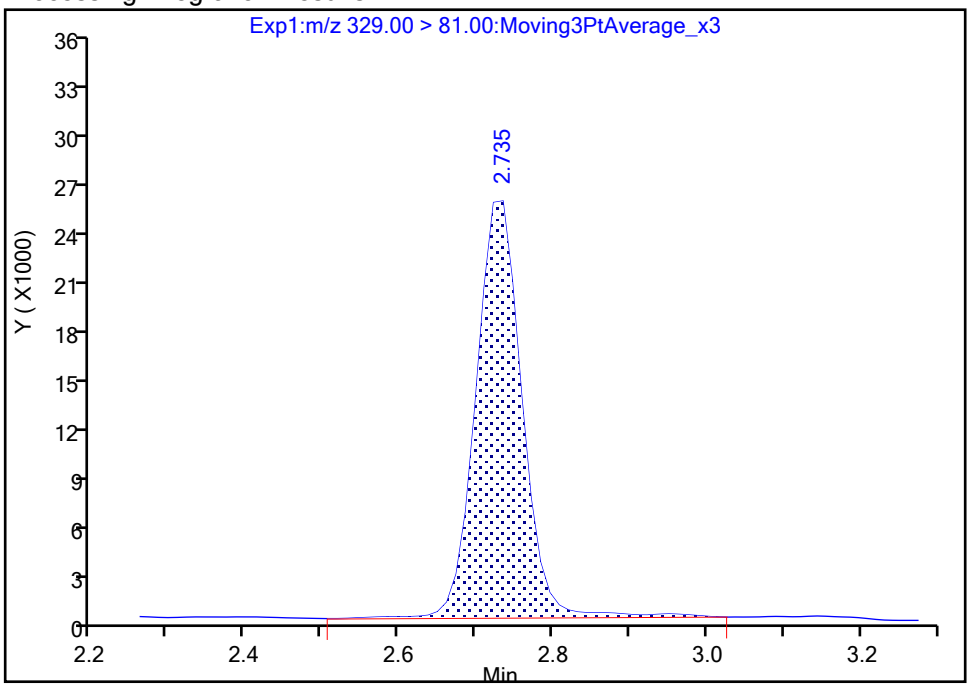
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B27.d				
Injection Date:	03-Mar-2021 22:33:38	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 60 M2-4:2 FTS, CAS: STL02395

Signal: 1

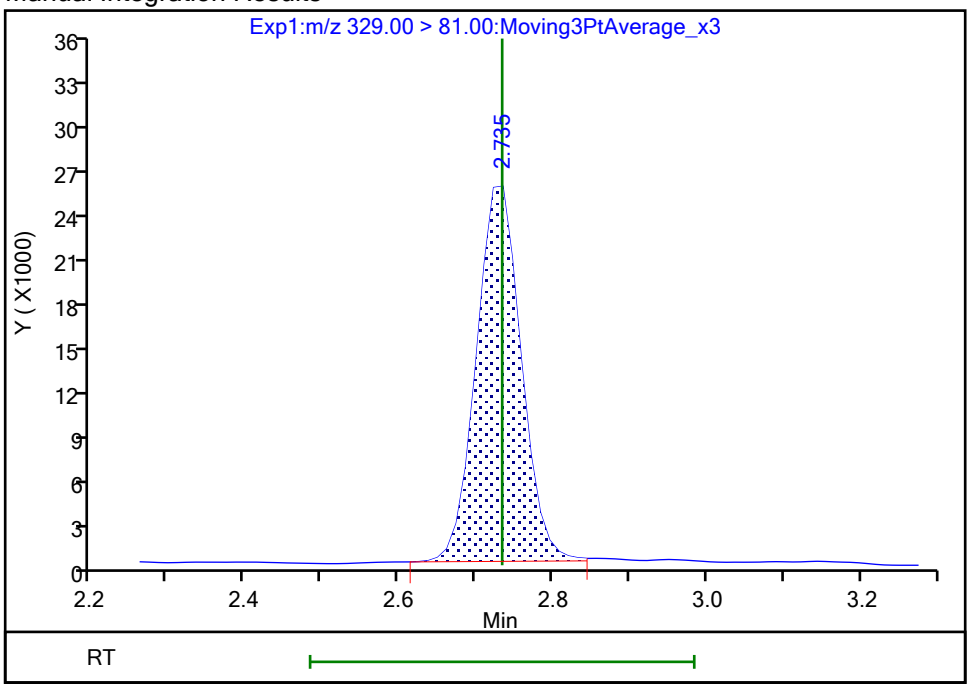
Processing Integration Results

RT: 2.73
Area: 107982
Amount: 0.971006
Amount Units: ng/ml



Manual Integration Results

RT: 2.73
Area: 103771
Amount: 0.933140
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:52:54

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

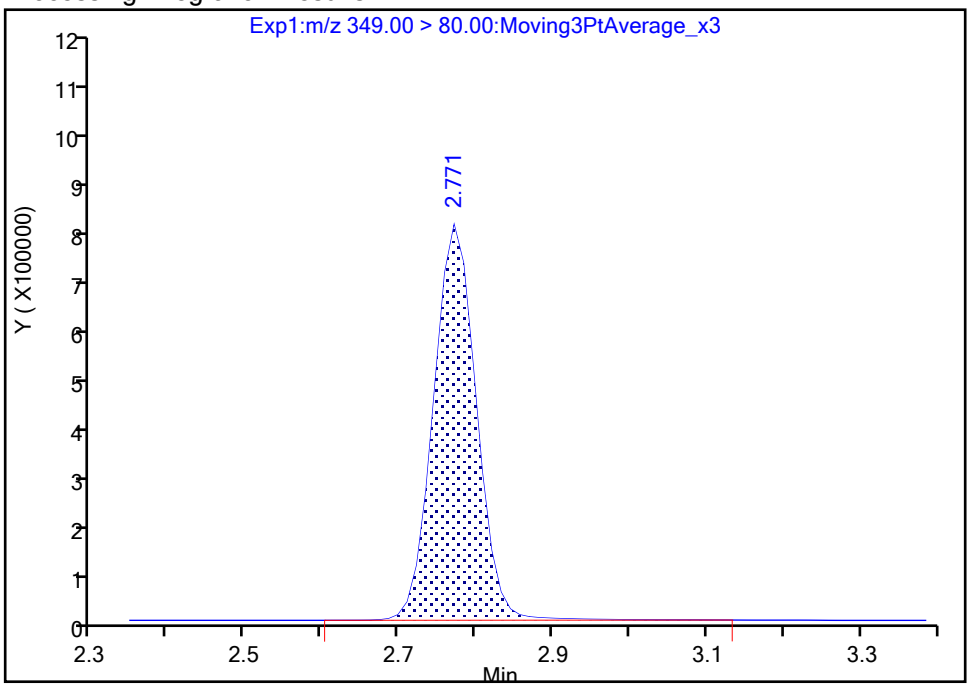
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B27.d				
Injection Date:	03-Mar-2021 22:33:38	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 1

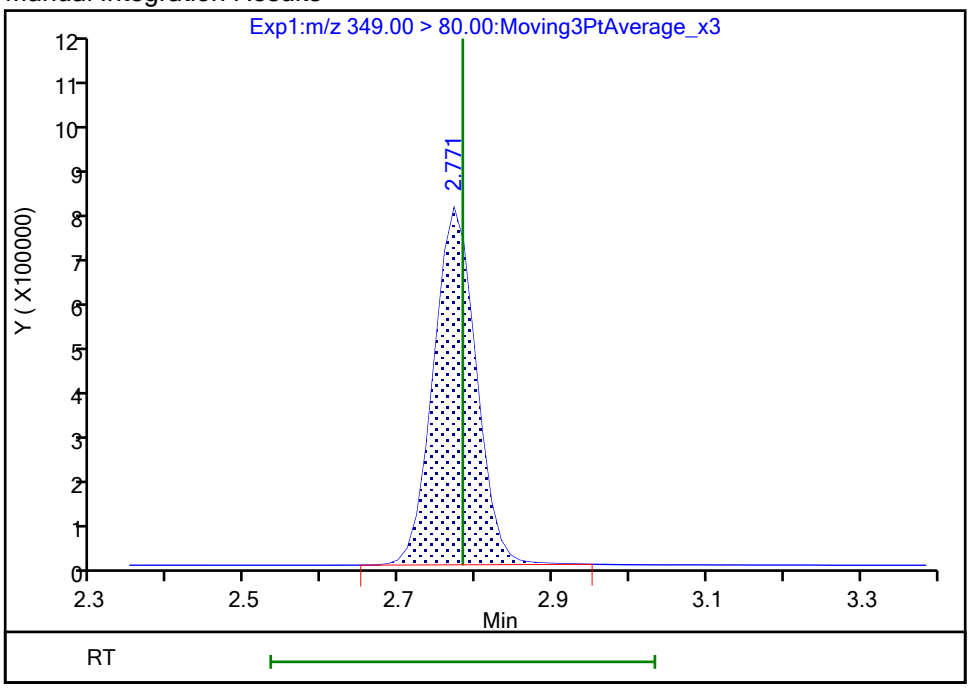
Processing Integration Results

RT: 2.77
Area: 2952154
Amount: 2.462207
Amount Units: ng/ml



Manual Integration Results

RT: 2.77
Area: 2932937
Amount: 2.446179
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:53:46
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

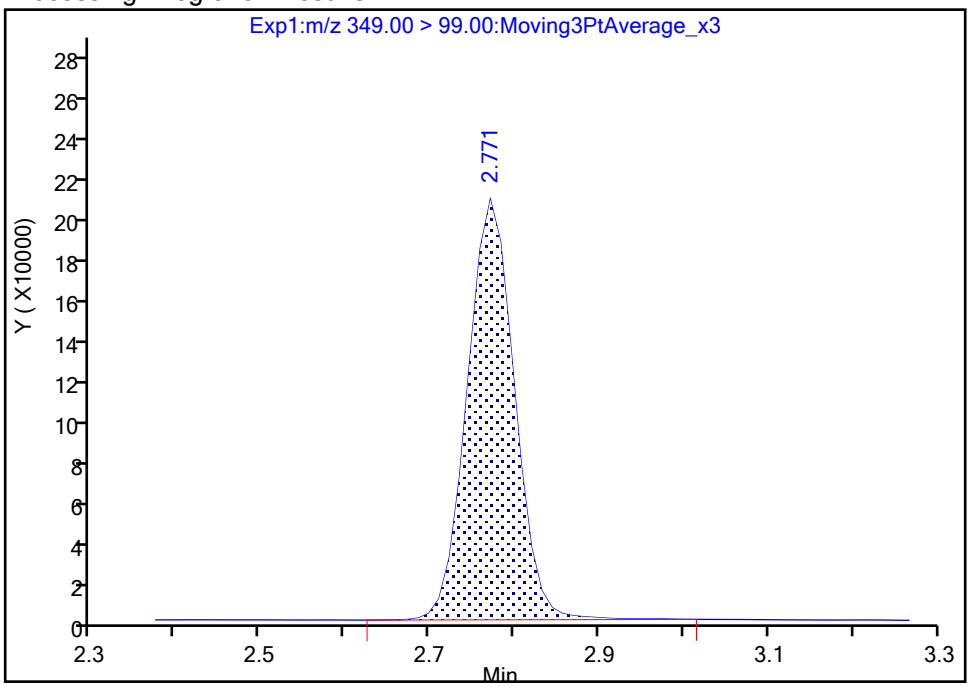
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B27.d				
Injection Date:	03-Mar-2021 22:33:38	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 2

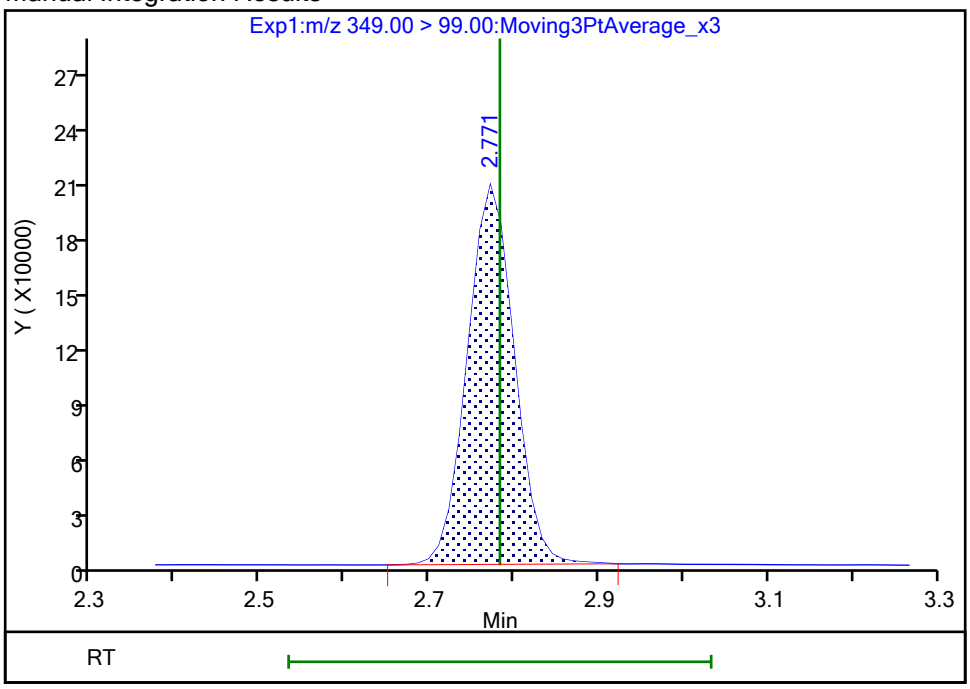
Processing Integration Results

RT: 2.77
Area: 808053
Amount: 2.462207
Amount Units: ng/ml



Manual Integration Results

RT: 2.77
Area: 803075
Amount: 2.446179
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:53:51
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

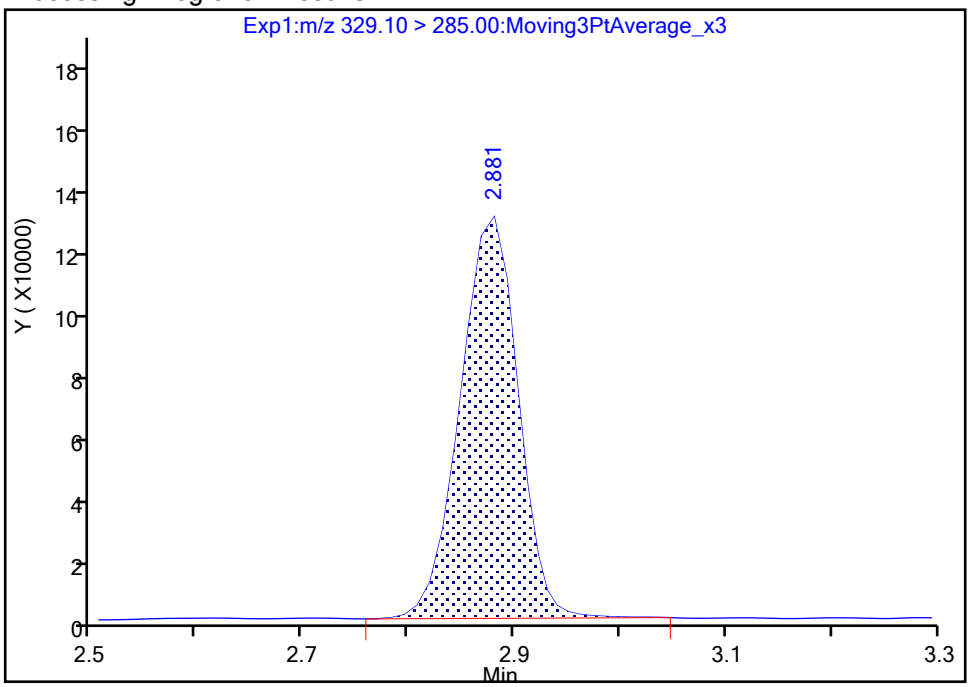
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B27.d				
Injection Date:	03-Mar-2021 22:33:38	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

67 Perfluoro(2-propoxypropanoic) ac, CAS: 13252-13-6

Signal: 1

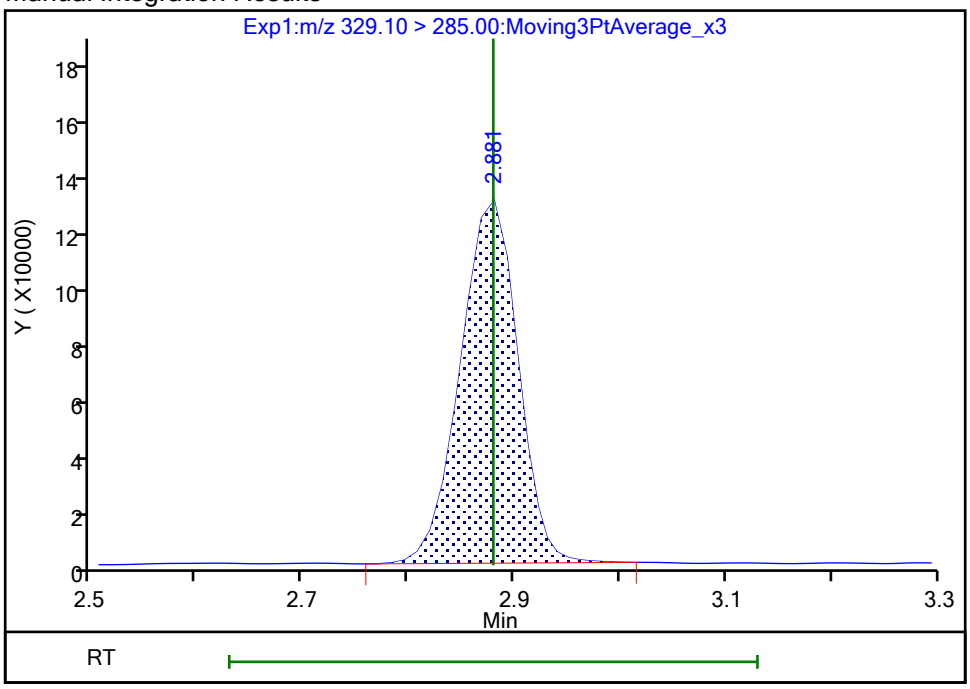
Processing Integration Results

RT: 2.88
Area: 472366
Amount: 2.640486
Amount Units: ng/ml



Manual Integration Results

RT: 2.88
Area: 470852
Amount: 2.632023
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:53:57

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

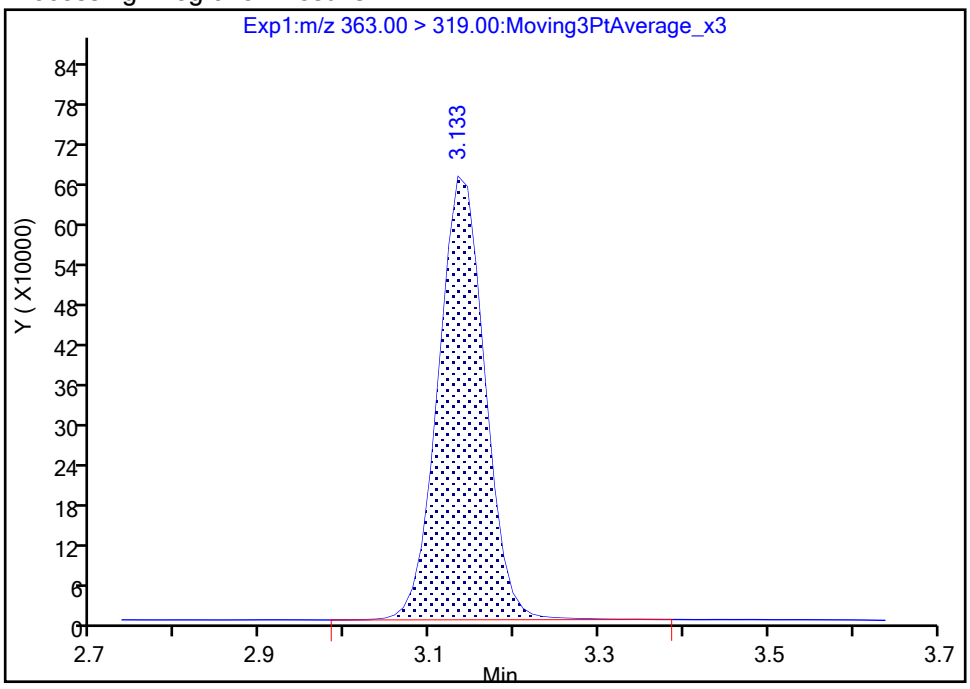
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B27.d				
Injection Date:	03-Mar-2021 22:33:38	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

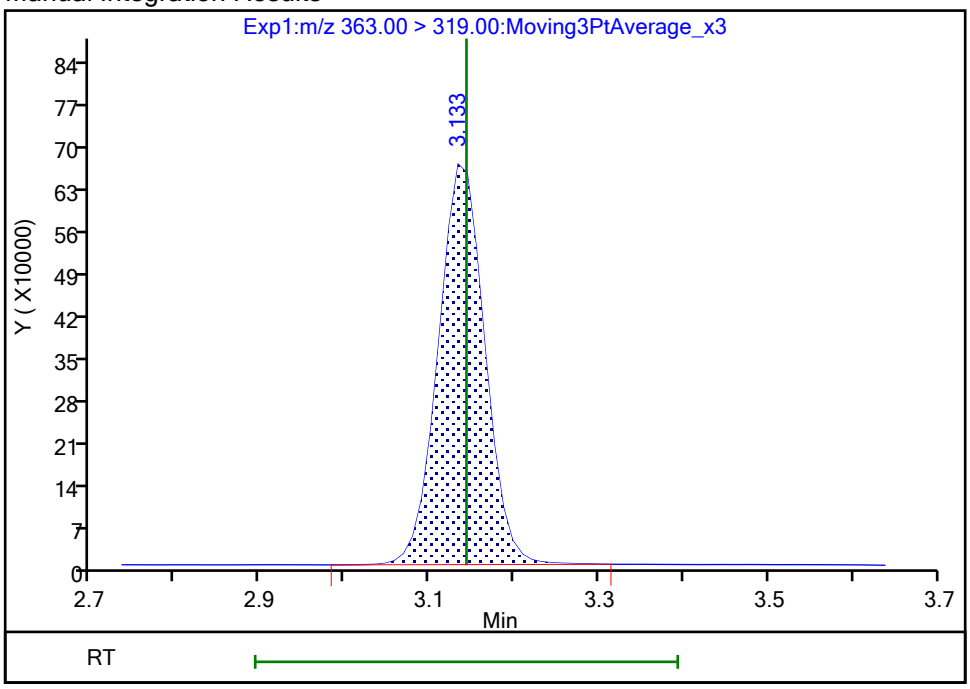
Processing Integration Results

RT: 3.13
Area: 2549477
Amount: 2.536305
Amount Units: ng/ml



Manual Integration Results

RT: 3.13
Area: 2544441
Amount: 2.531295
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:54:15

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

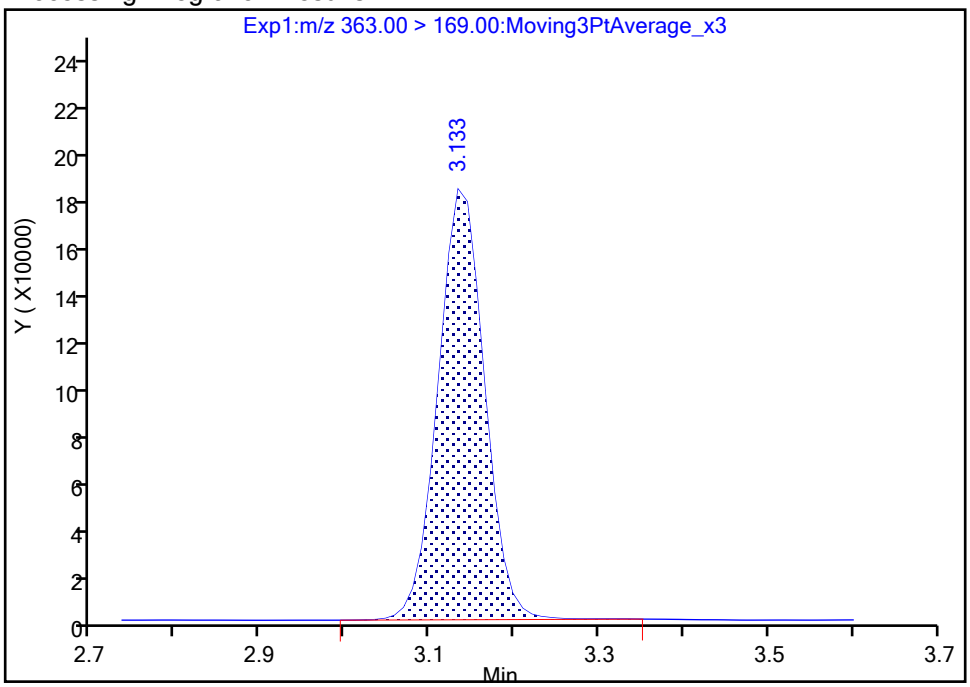
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B27.d				
Injection Date:	03-Mar-2021 22:33:38	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

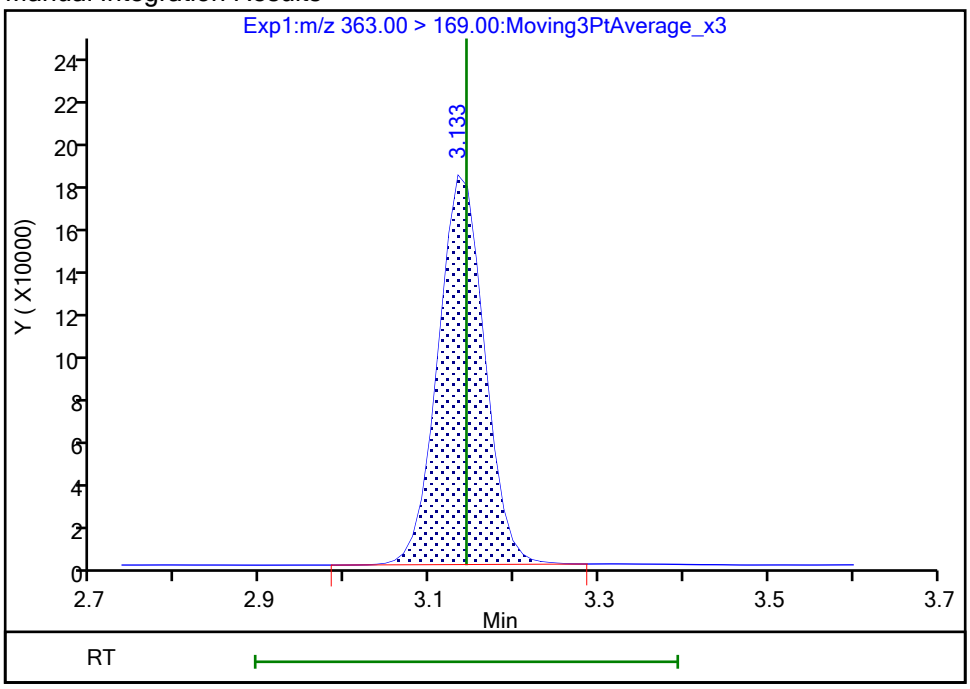
Processing Integration Results

RT: 3.13
Area: 678199
Amount: 2.536305
Amount Units: ng/ml



Manual Integration Results

RT: 3.13
Area: 676538
Amount: 2.531295
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:54:26
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

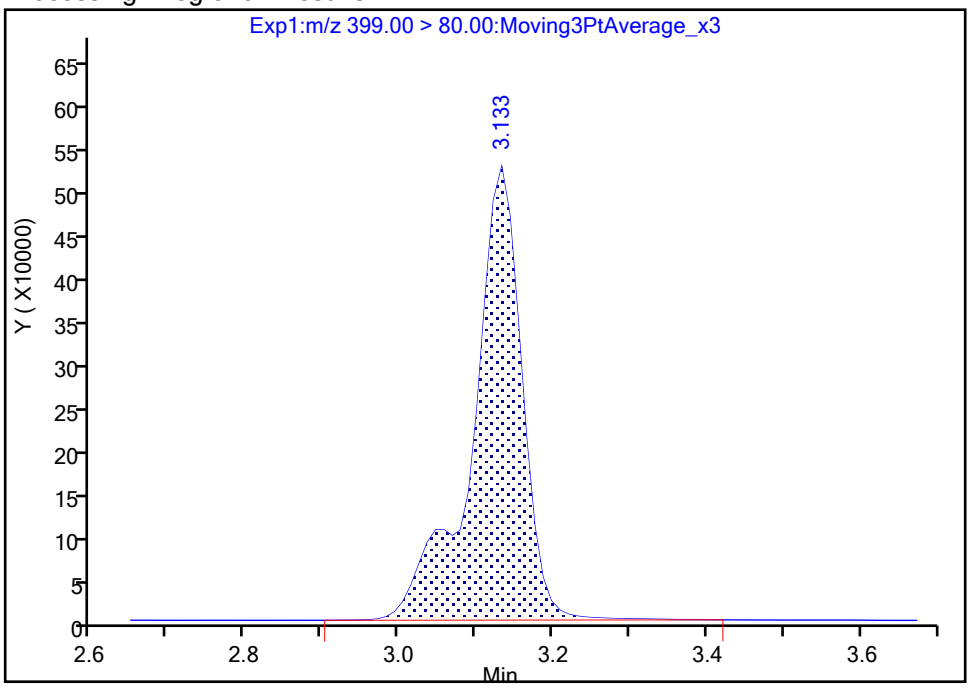
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B27.d				
Injection Date:	03-Mar-2021 22:33:38	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

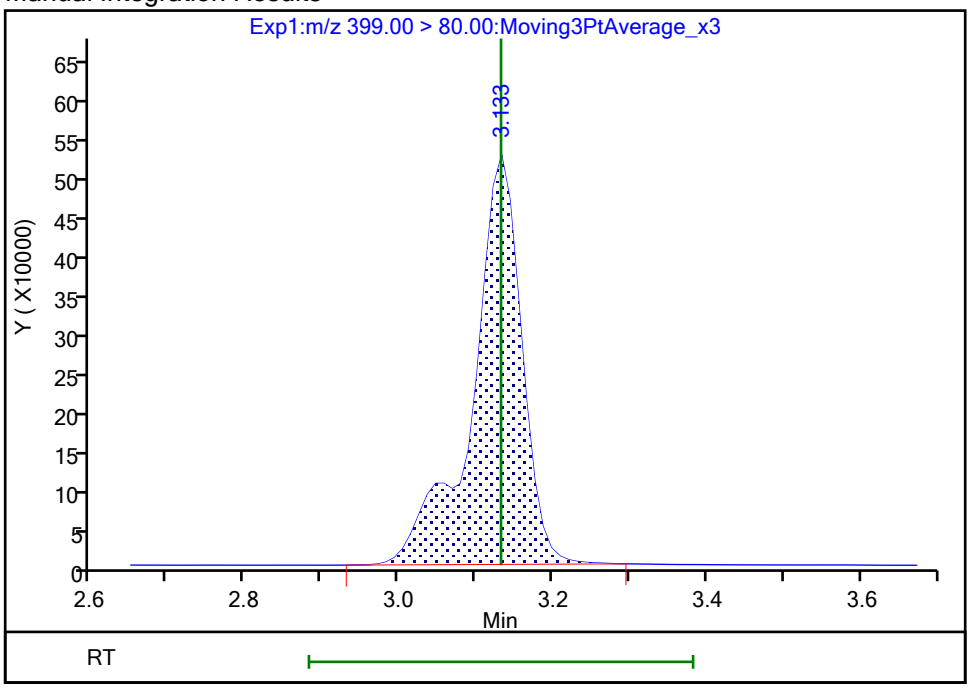
Processing Integration Results

RT: 3.13
Area: 2359513
Amount: 2.191423
Amount Units: ng/ml



Manual Integration Results

RT: 3.13
Area: 2340492
Amount: 2.173757
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:54:02

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

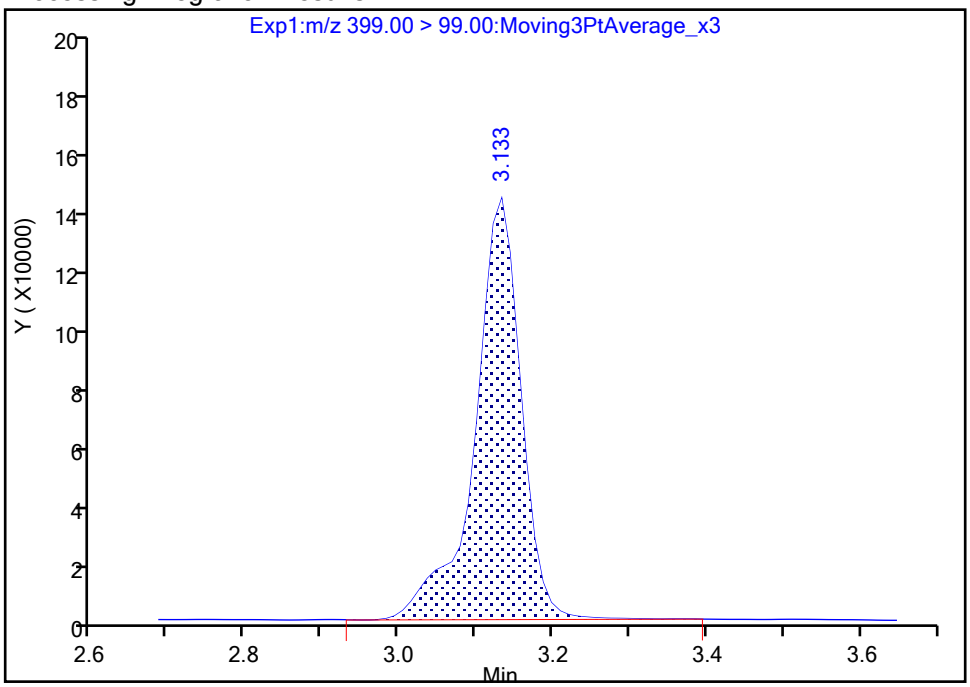
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B27.d				
Injection Date:	03-Mar-2021 22:33:38	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

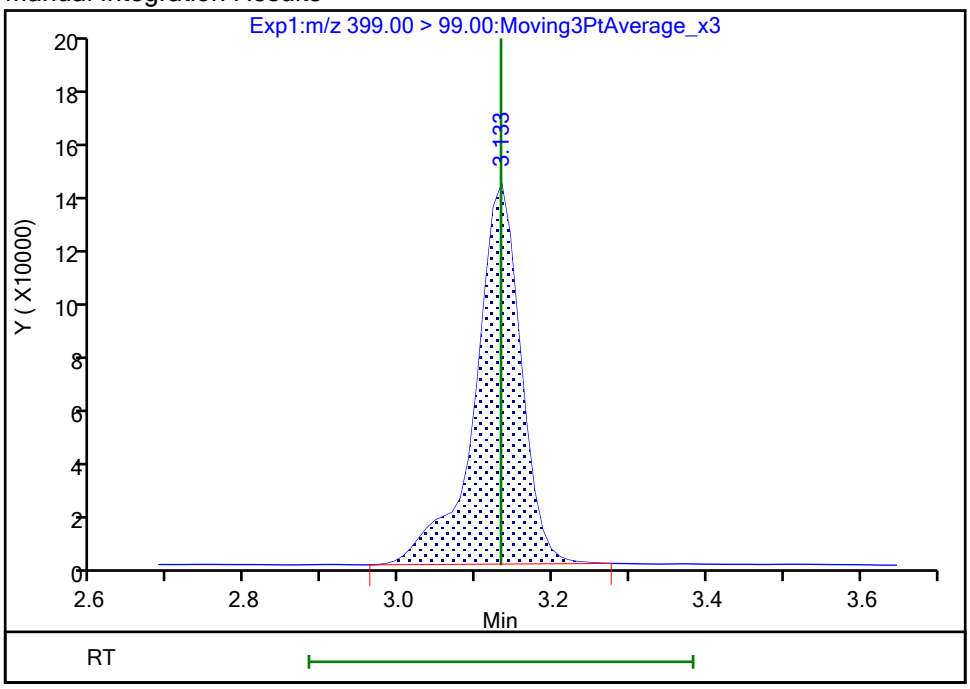
Processing Integration Results

RT: 3.13
Area: 589310
Amount: 2.191423
Amount Units: ng/ml



Manual Integration Results

RT: 3.13
Area: 585122
Amount: 2.173757
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:54:08
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

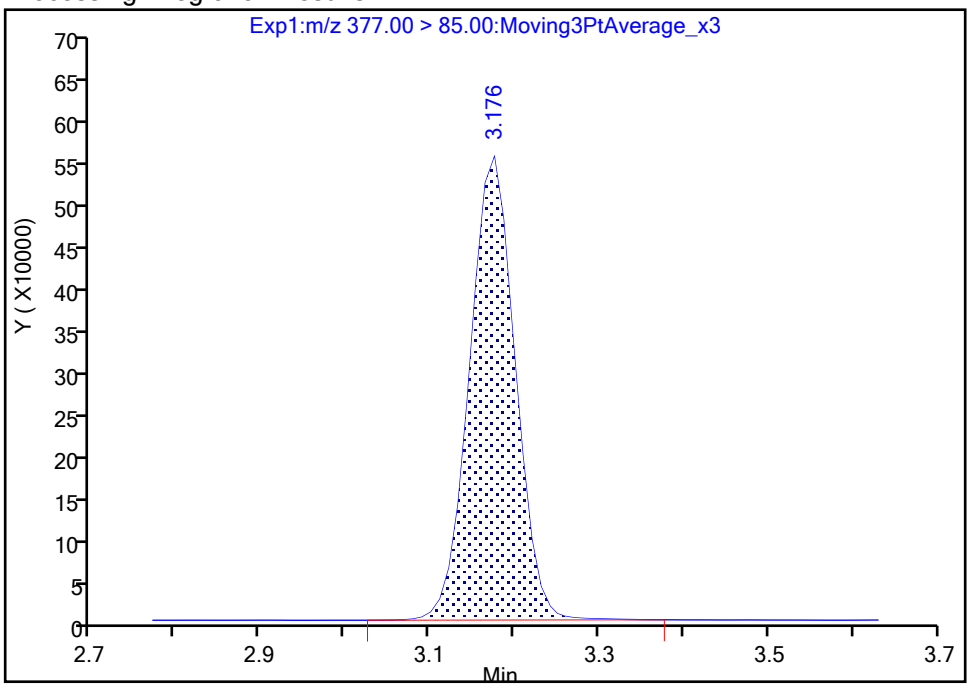
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B27.d				
Injection Date:	03-Mar-2021 22:33:38	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

77 DONA, CAS: 919005-14-4

Signal: 2

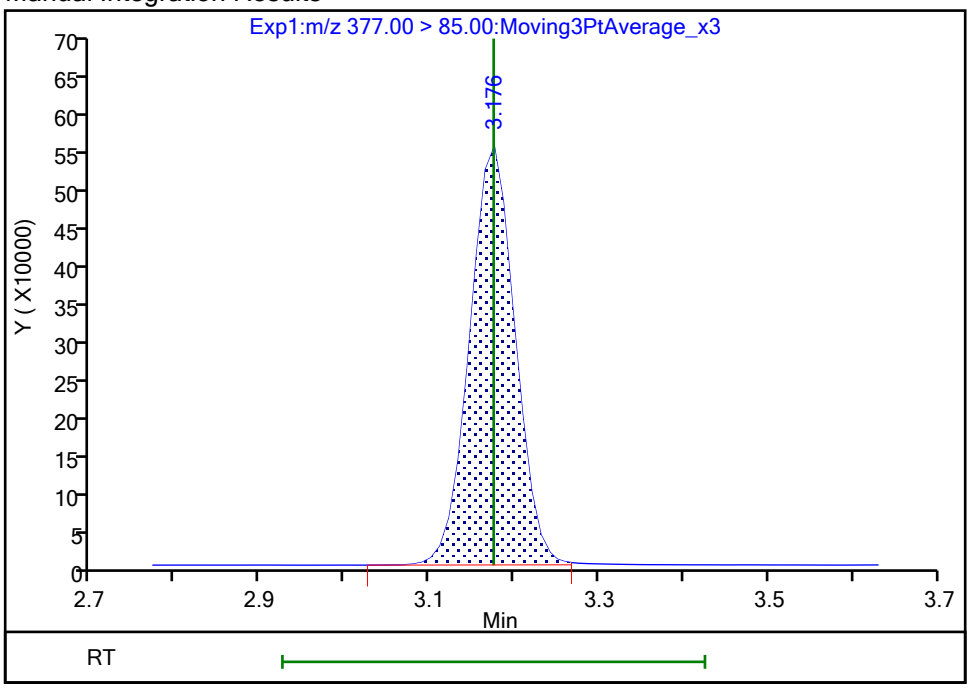
Processing Integration Results

RT: 3.18
Area: 2055865
Amount: 2.298720
Amount Units: ng/ml



Manual Integration Results

RT: 3.18
Area: 2050270
Amount: 2.296501
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:54:34

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

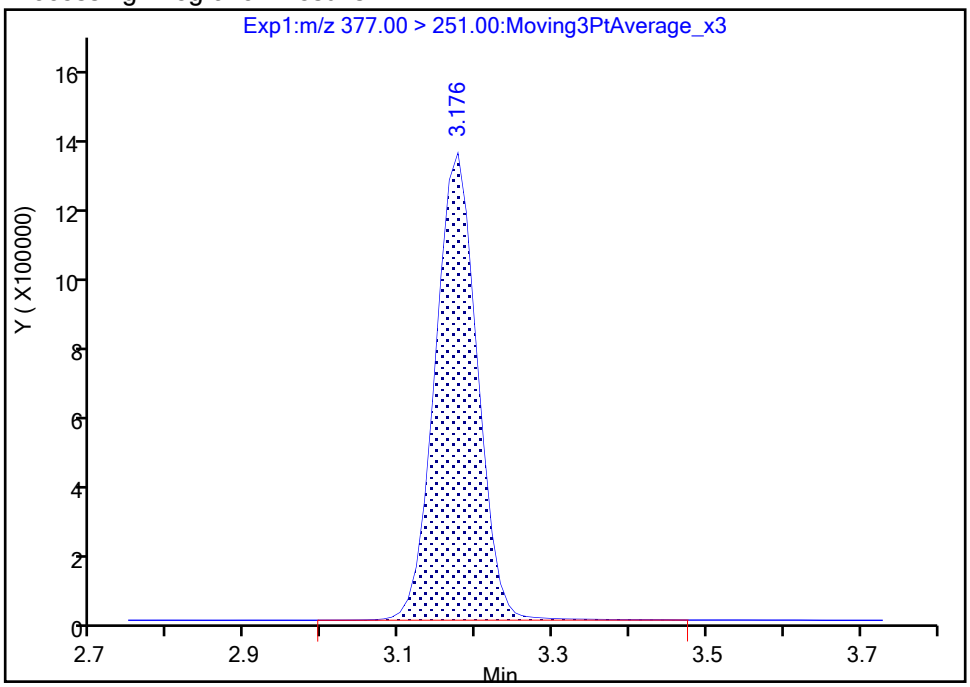
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B27.d				
Injection Date:	03-Mar-2021 22:33:38	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

77 DONA, CAS: 919005-14-4

Signal: 1

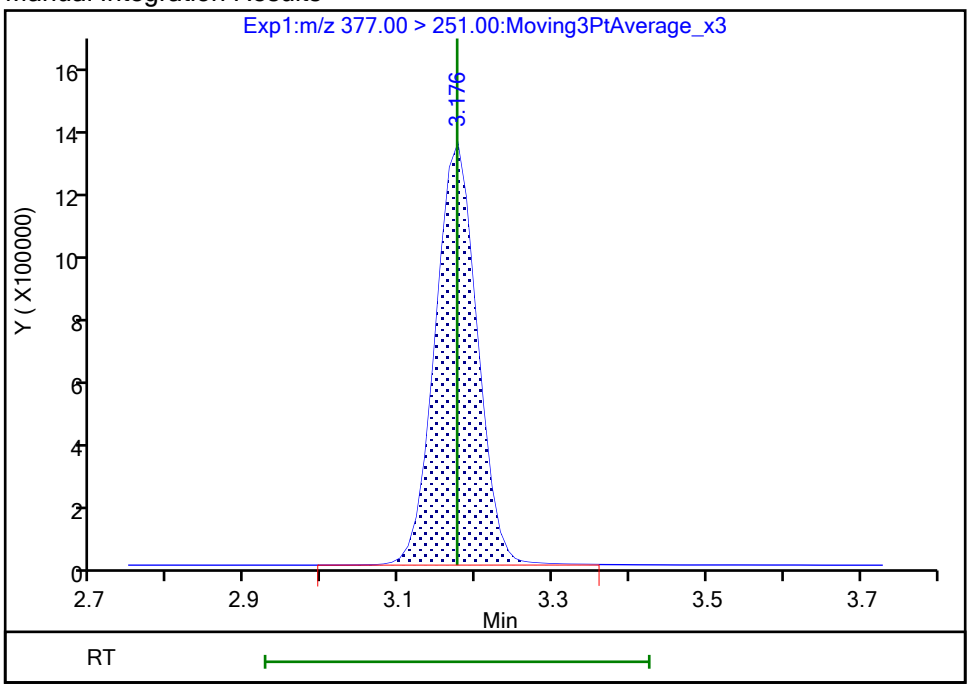
Processing Integration Results

RT: 3.18
Area: 4961423
Amount: 2.298720
Amount Units: ng/ml



Manual Integration Results

RT: 3.18
Area: 4956634
Amount: 2.296501
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:54:36
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

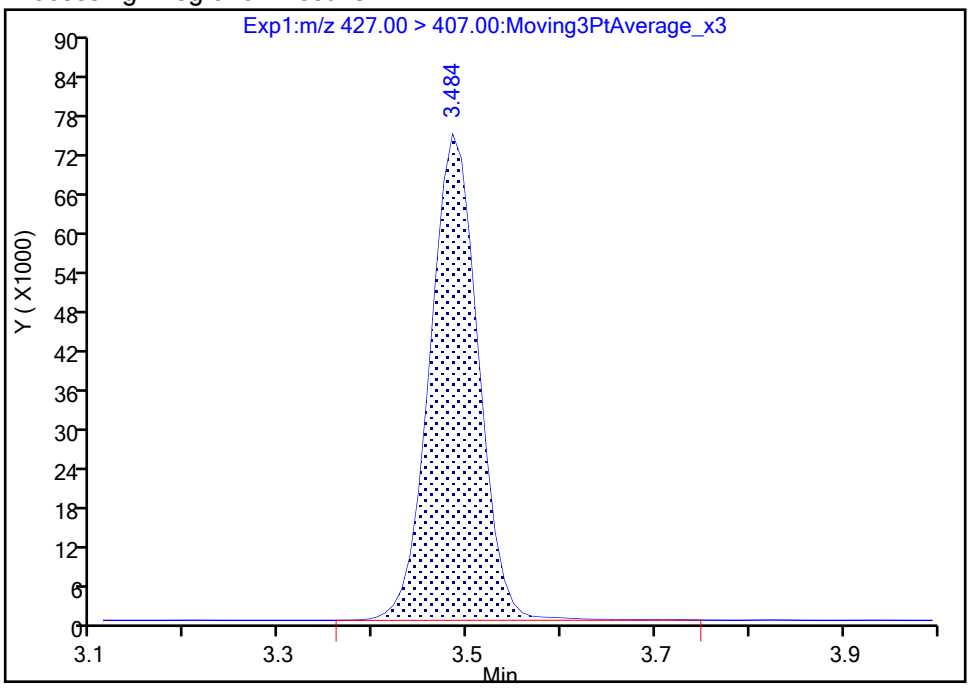
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B27.d				
Injection Date:	03-Mar-2021 22:33:38	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

Signal: 1

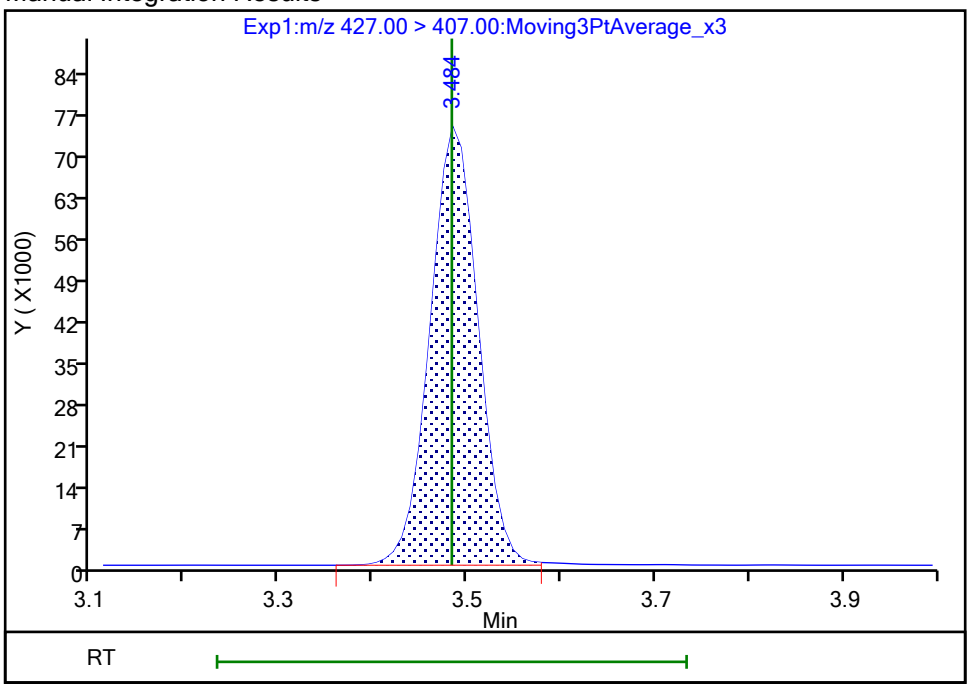
Processing Integration Results

RT: 3.48
Area: 266392
Amount: 2.120403
Amount Units: ng/ml



Manual Integration Results

RT: 3.48
Area: 265005
Amount: 2.109363
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:54:51

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

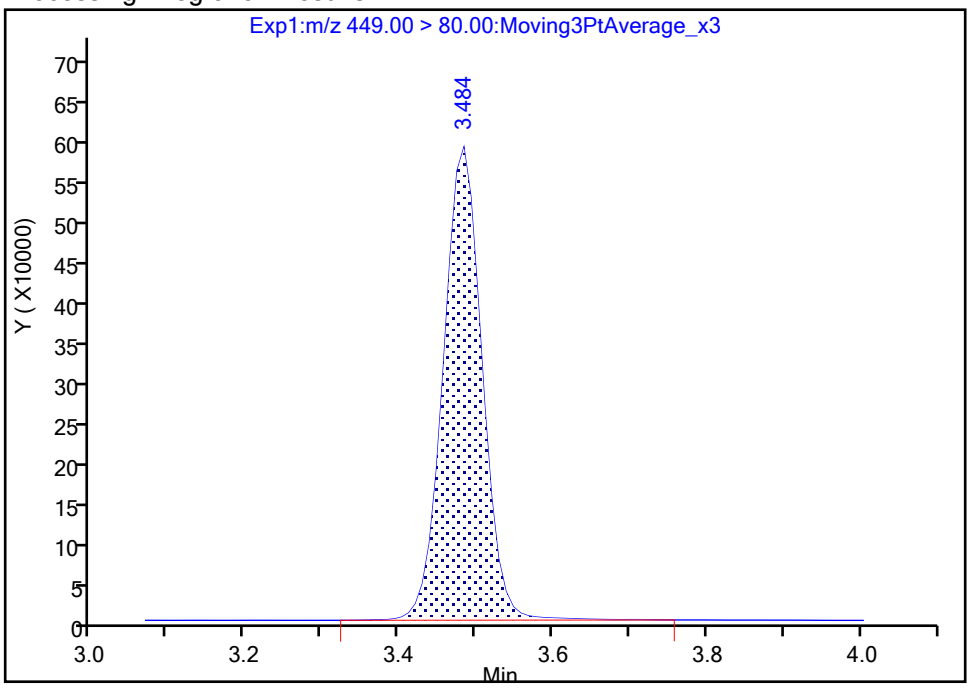
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B27.d				
Injection Date:	03-Mar-2021 22:33:38	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

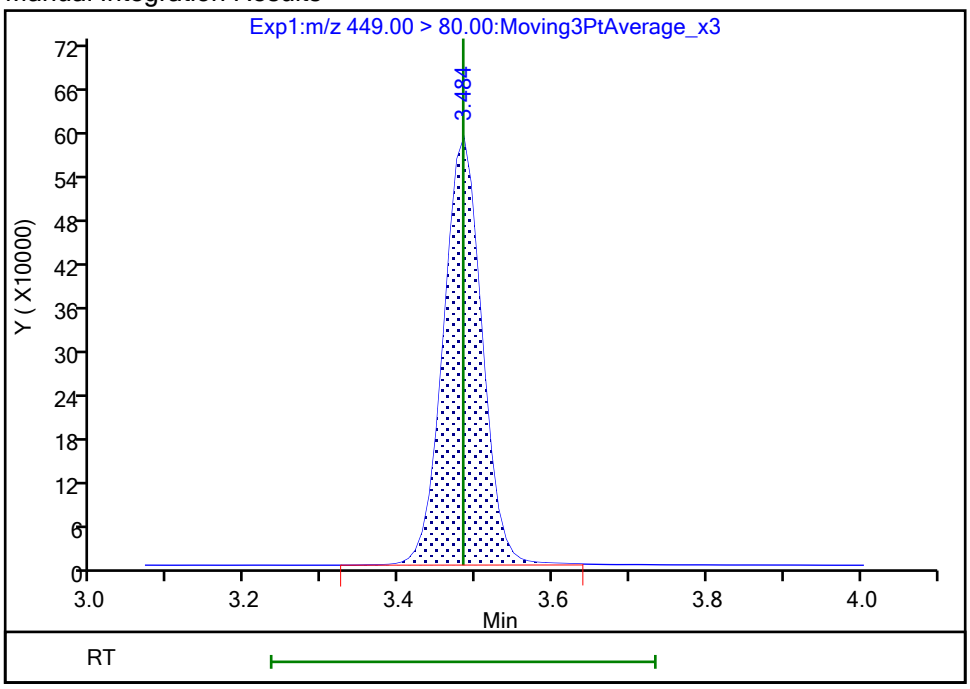
Processing Integration Results

RT: 3.48
Area: 2061227
Amount: 2.368492
Amount Units: ng/ml



Manual Integration Results

RT: 3.48
Area: 2057802
Amount: 2.364557
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:54:43

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

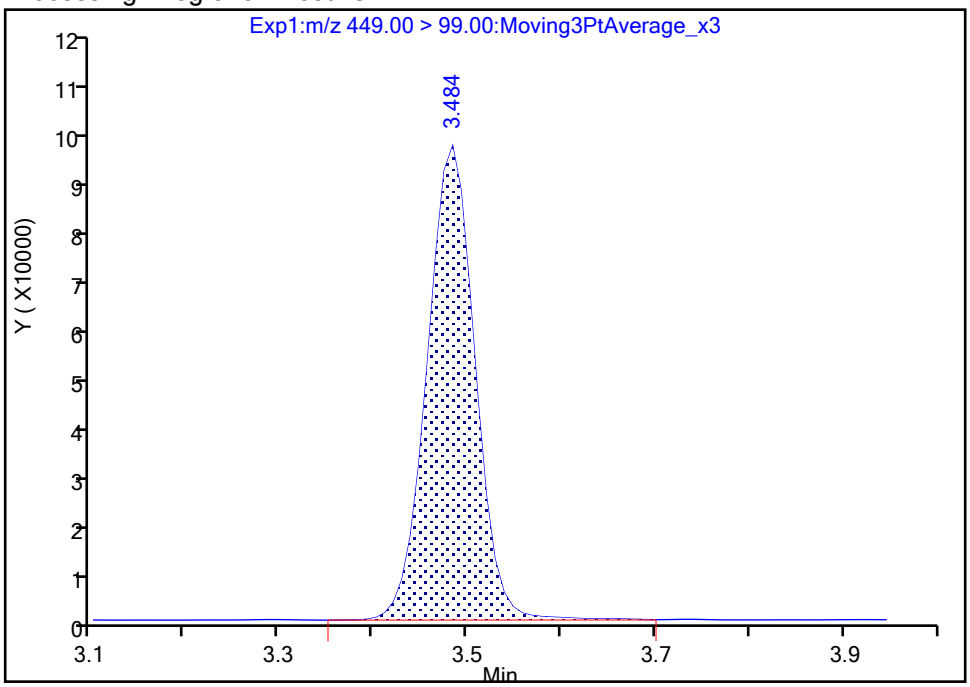
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B27.d				
Injection Date:	03-Mar-2021 22:33:38	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

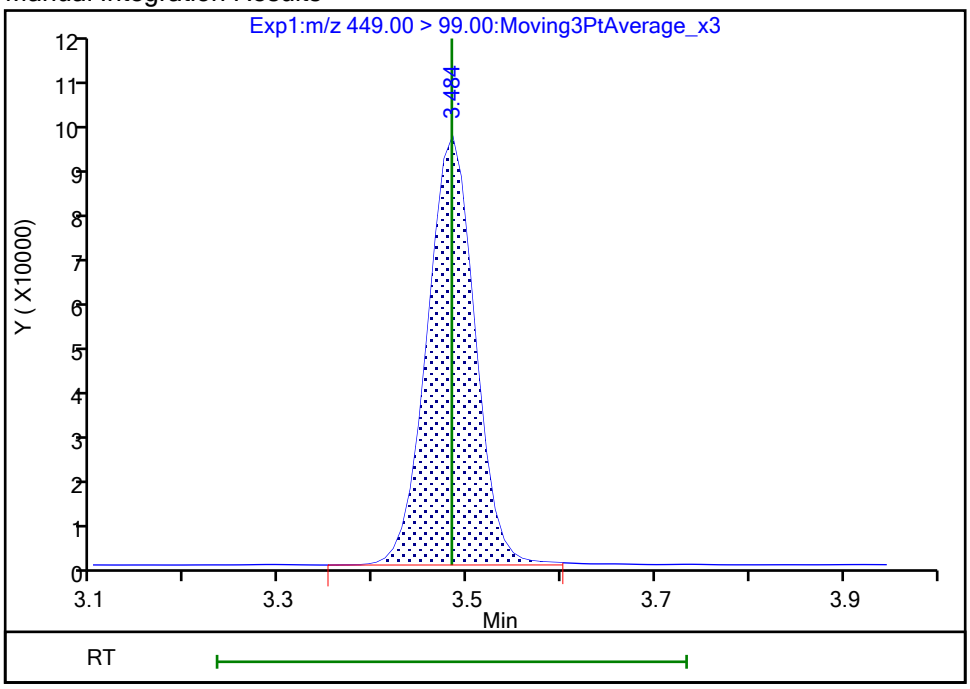
Processing Integration Results

RT: 3.48
Area: 340525
Amount: 2.368492
Amount Units: ng/ml



Manual Integration Results

RT: 3.48
Area: 339184
Amount: 2.364557
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:54:45

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

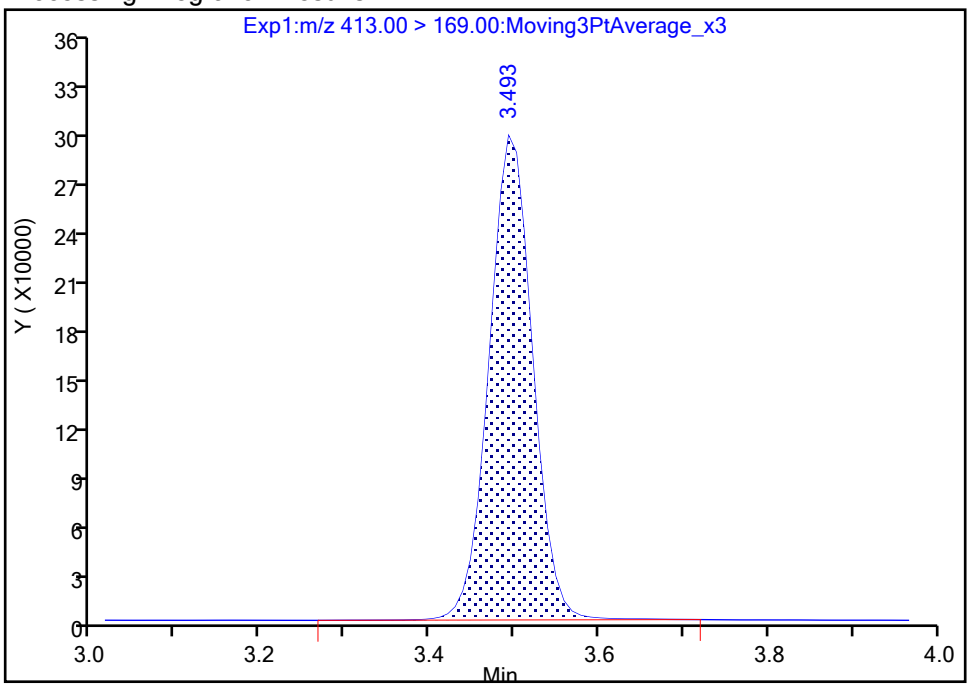
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B27.d				
Injection Date:	03-Mar-2021 22:33:38	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

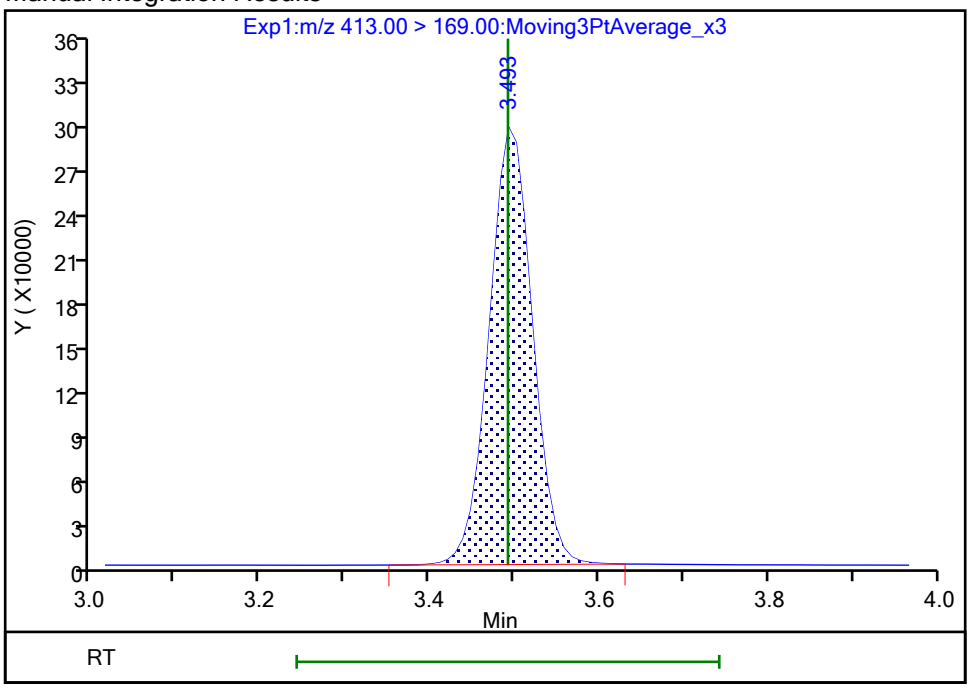
Processing Integration Results

RT: 3.49
Area: 1042028
Amount: 2.542641
Amount Units: ng/ml



Manual Integration Results

RT: 3.49
Area: 1037052
Amount: 2.542641
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:54:58

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

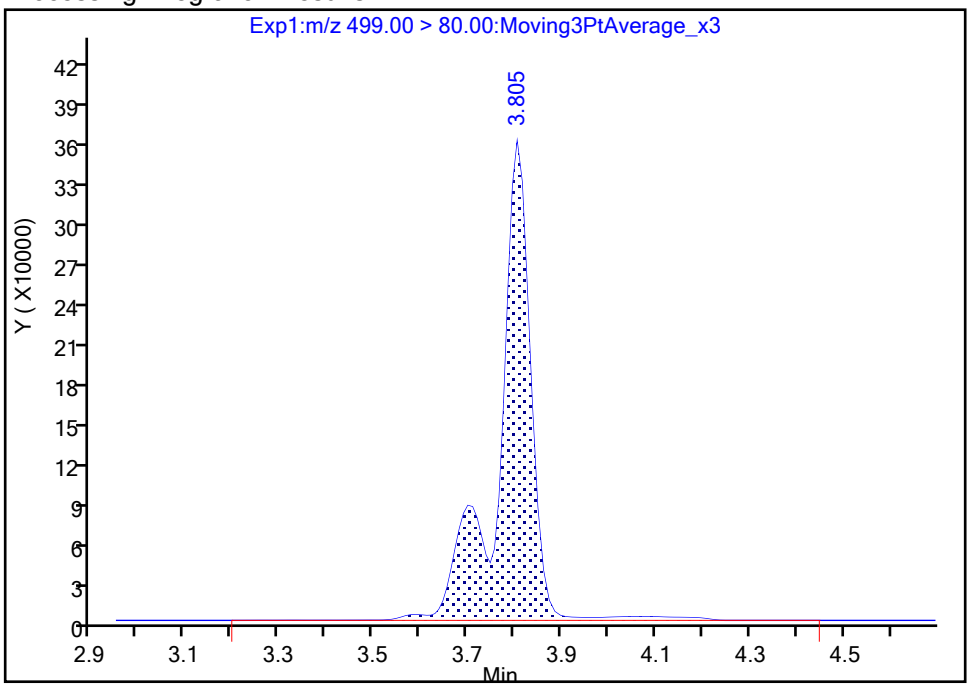
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B27.d				
Injection Date:	03-Mar-2021 22:33:38	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

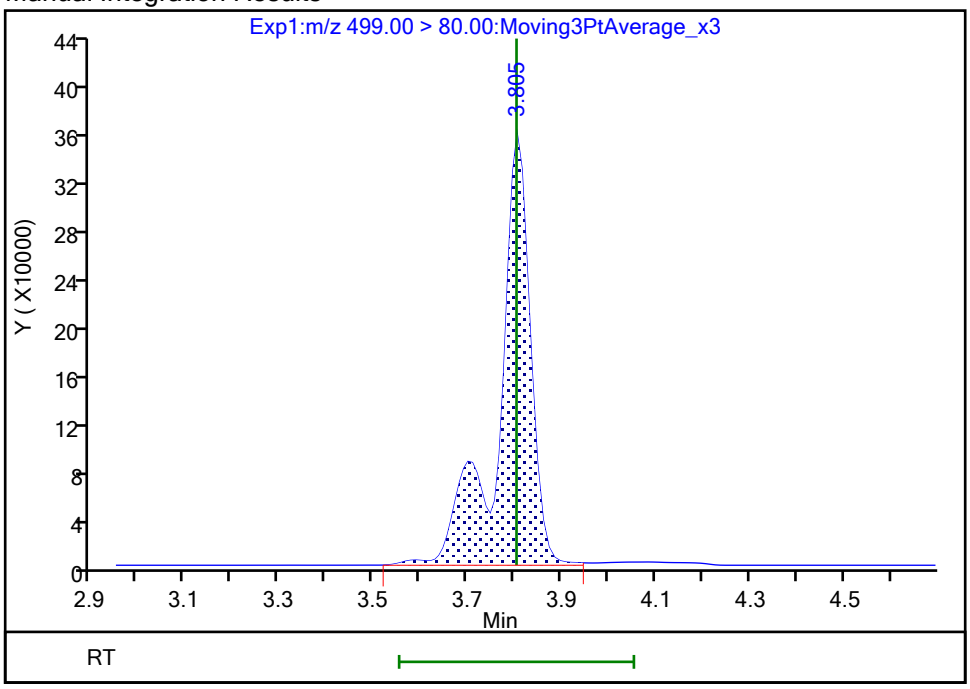
Processing Integration Results

RT: 3.81
Area: 1753369
Amount: 2.365230
Amount Units: ng/ml



Manual Integration Results

RT: 3.81
Area: 1715929
Amount: 2.314725
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:55:06

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

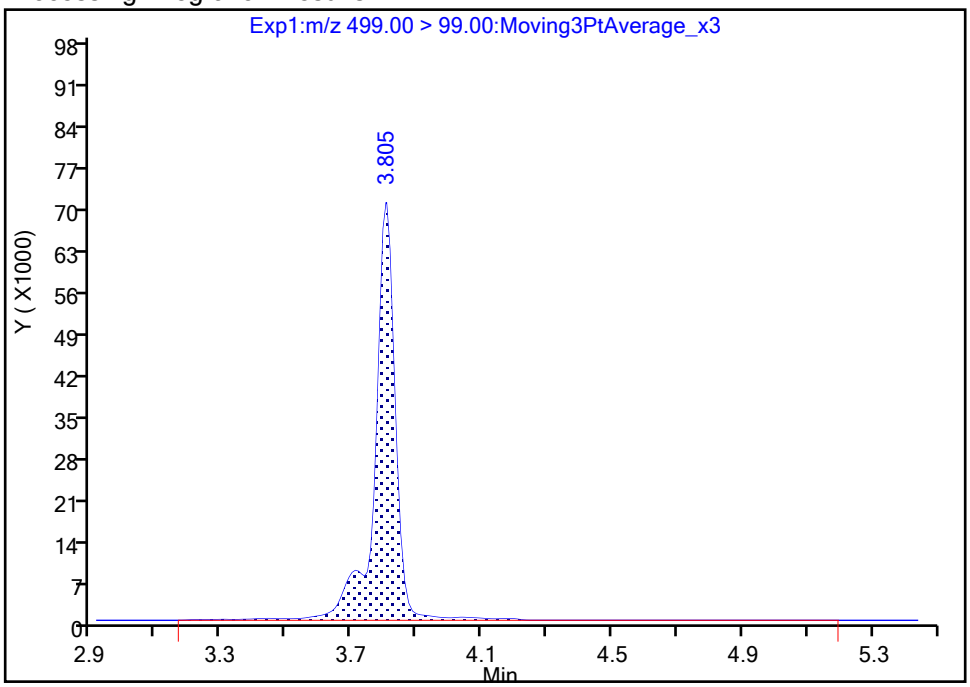
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B27.d				
Injection Date:	03-Mar-2021 22:33:38	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

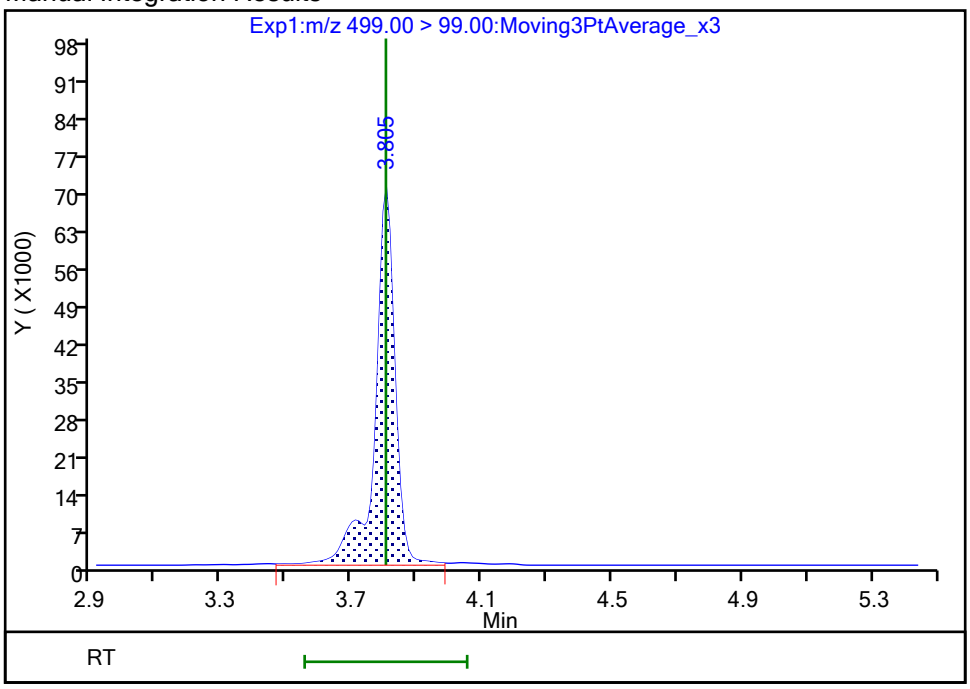
Processing Integration Results

RT: 3.81
Area: 312478
Amount: 2.365230
Amount Units: ng/ml



Manual Integration Results

RT: 3.81
Area: 305747
Amount: 2.314725
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:55:20
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

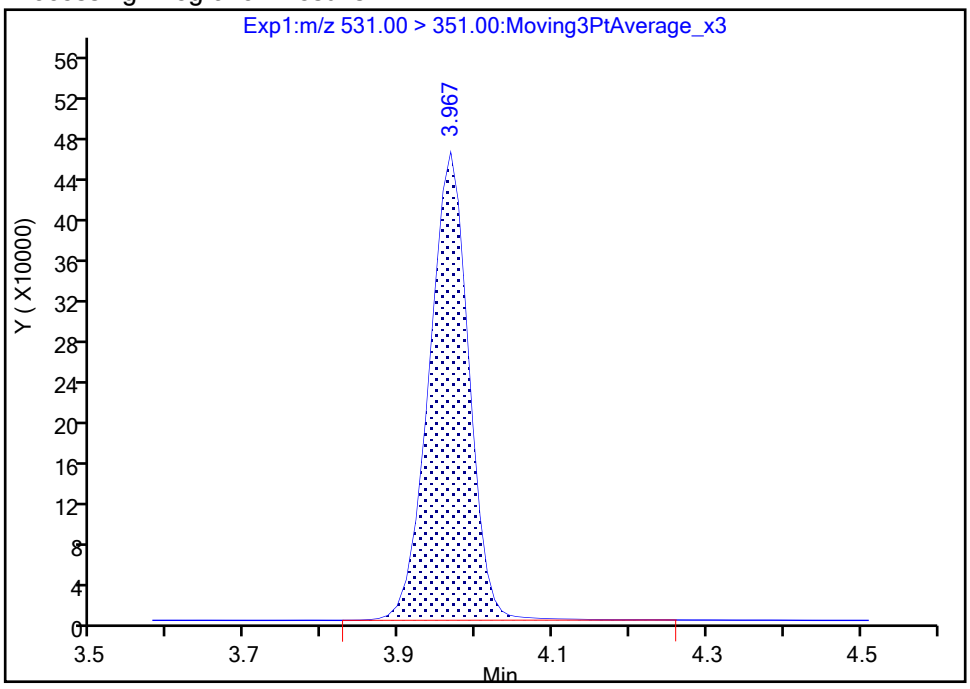
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B27.d				
Injection Date:	03-Mar-2021 22:33:38	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

69 9-Chlorohexadecafluoro-3-oxanona, CAS: 756426-58-1

Signal: 1

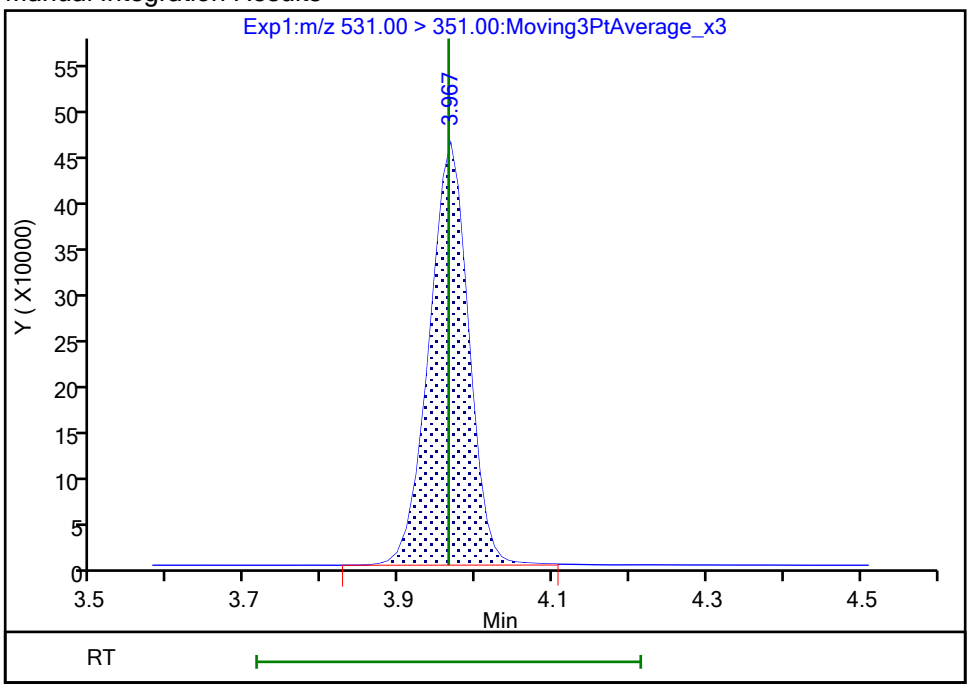
Processing Integration Results

RT: 3.97
Area: 1646319
Amount: 1.990457
Amount Units: ng/ml



Manual Integration Results

RT: 3.97
Area: 1643642
Amount: 1.987220
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:55:27

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

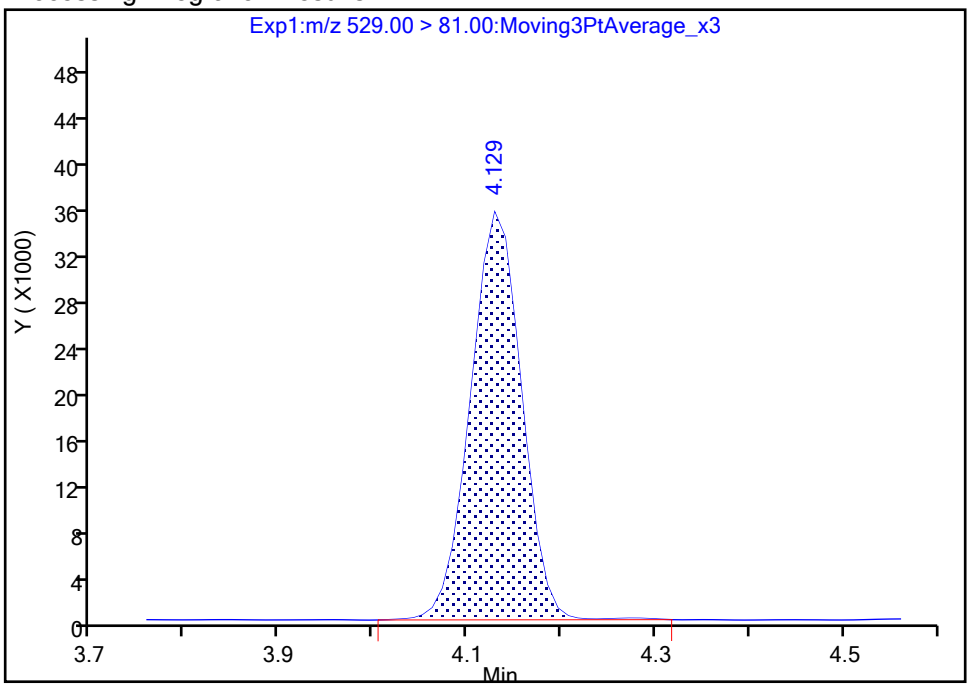
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B27.d				
Injection Date:	03-Mar-2021 22:33:38	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 26 M2-8:2 FTS, CAS: STL02280

Signal: 1

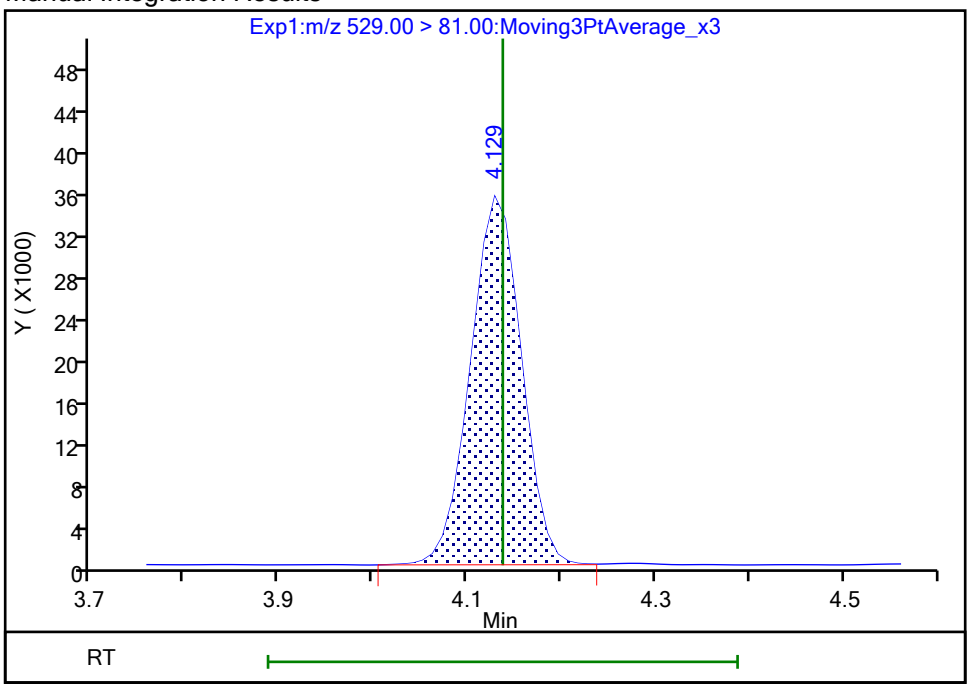
Processing Integration Results

RT: 4.13
Area: 133657
Amount: 1.046142
Amount Units: ng/ml



Manual Integration Results

RT: 4.13
Area: 133270
Amount: 1.043113
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:53:06

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

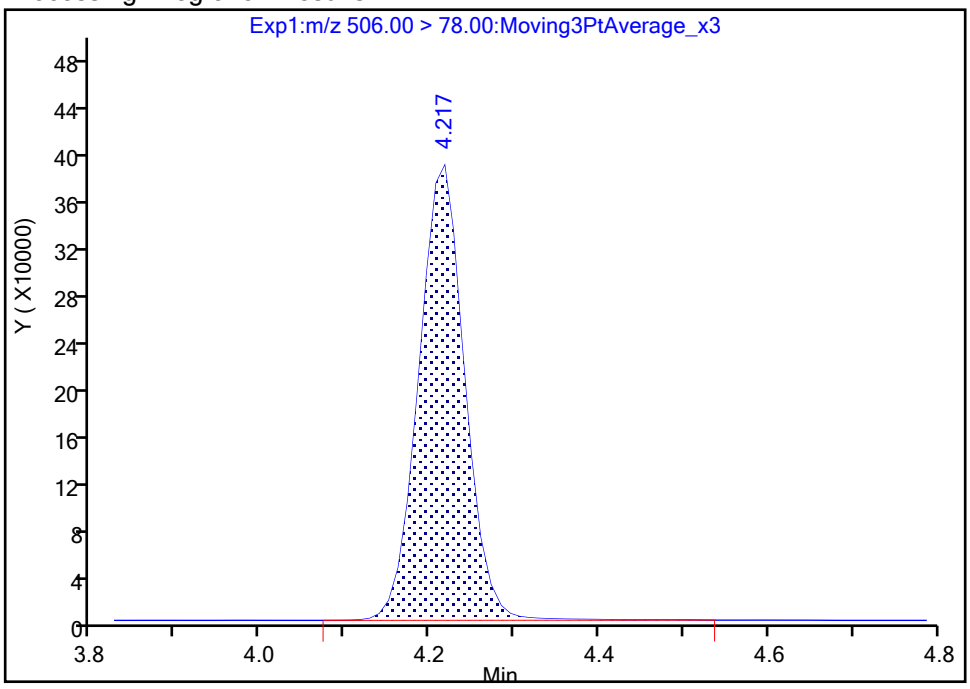
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B27.d				
Injection Date:	03-Mar-2021 22:33:38	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

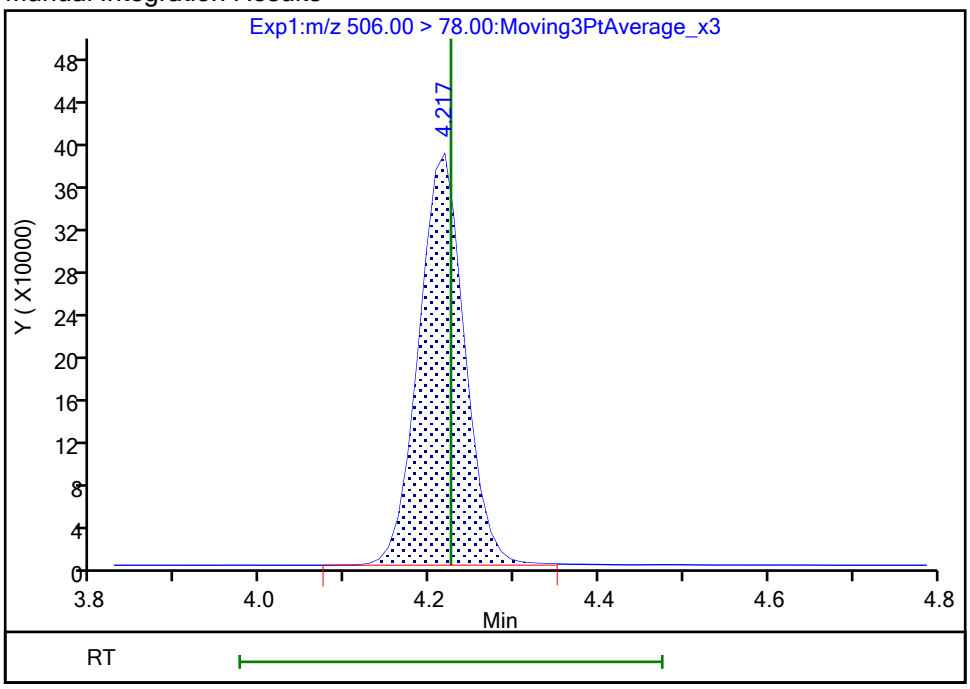
Processing Integration Results

RT: 4.22
Area: 1463626
Amount: 1.143649
Amount Units: ng/ml



Manual Integration Results

RT: 4.22
Area: 1459284
Amount: 1.140256
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:53:13

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

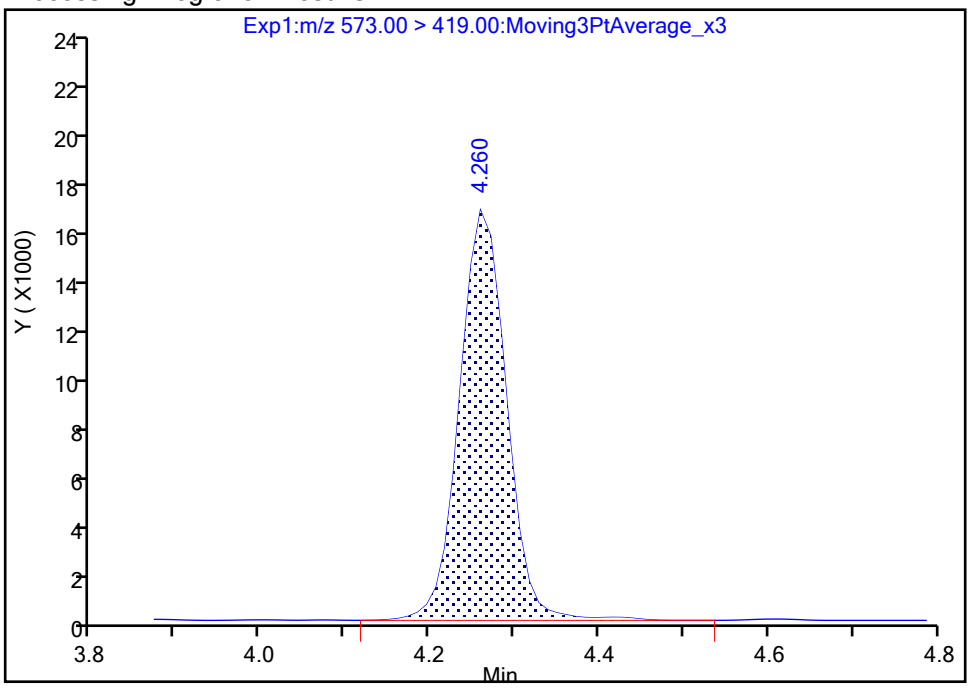
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B27.d				
Injection Date:	03-Mar-2021 22:33:38	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

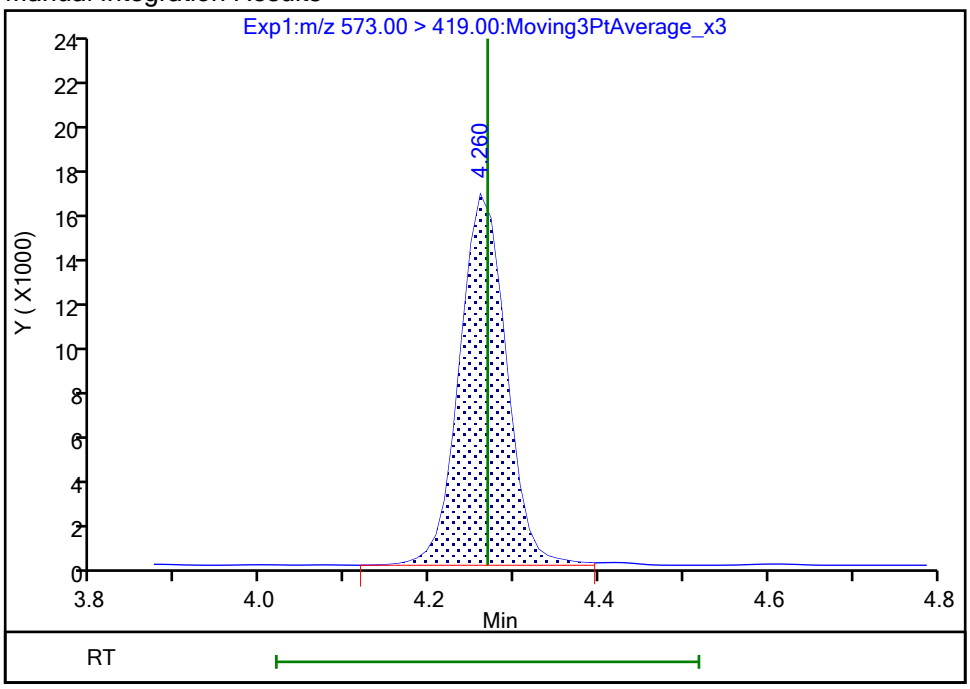
Processing Integration Results

RT: 4.26
Area: 63035
Amount: 0.998201
Amount Units: ng/ml



Manual Integration Results

RT: 4.26
Area: 62661
Amount: 0.992278
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:53:10

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

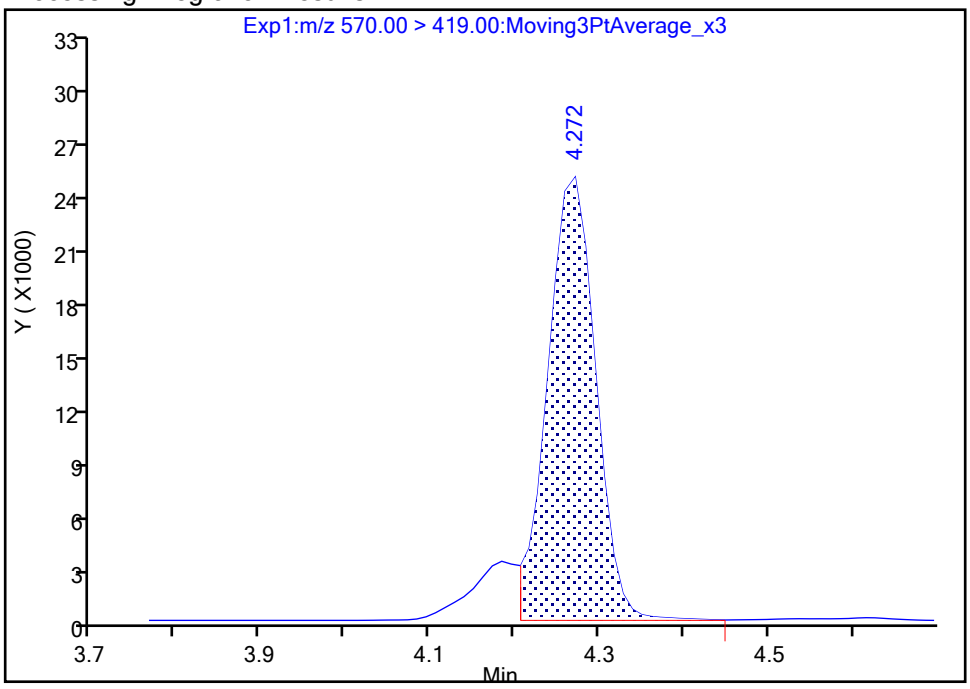
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B27.d				
Injection Date:	03-Mar-2021 22:33:38	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

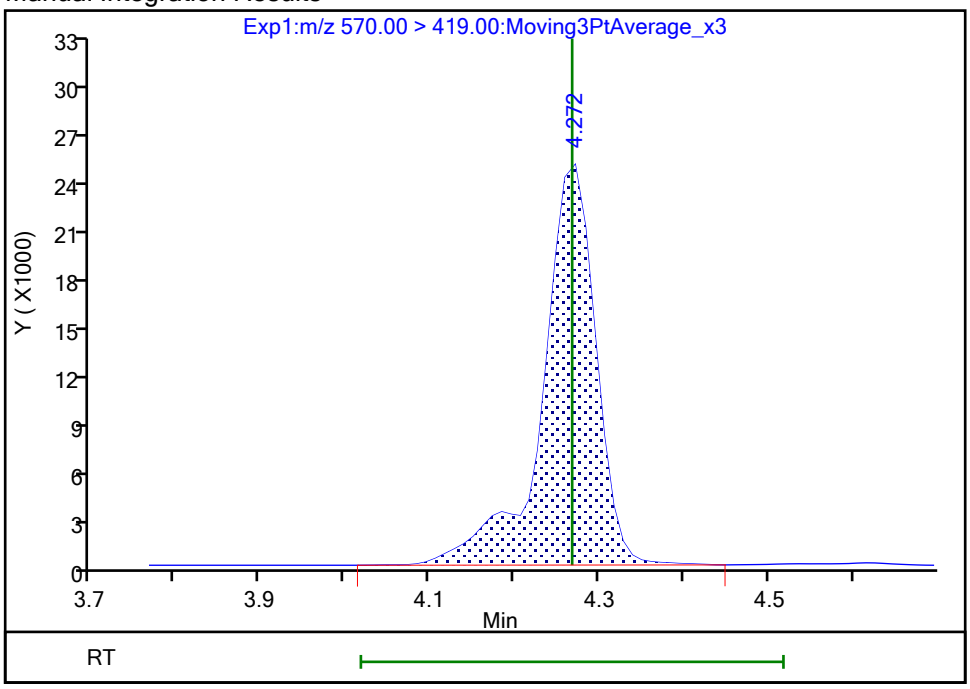
Processing Integration Results

RT: 4.27
Area: 97647
Amount: 2.197647
Amount Units: ng/ml



Manual Integration Results

RT: 4.27
Area: 110142
Amount: 2.478860
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:55:38

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

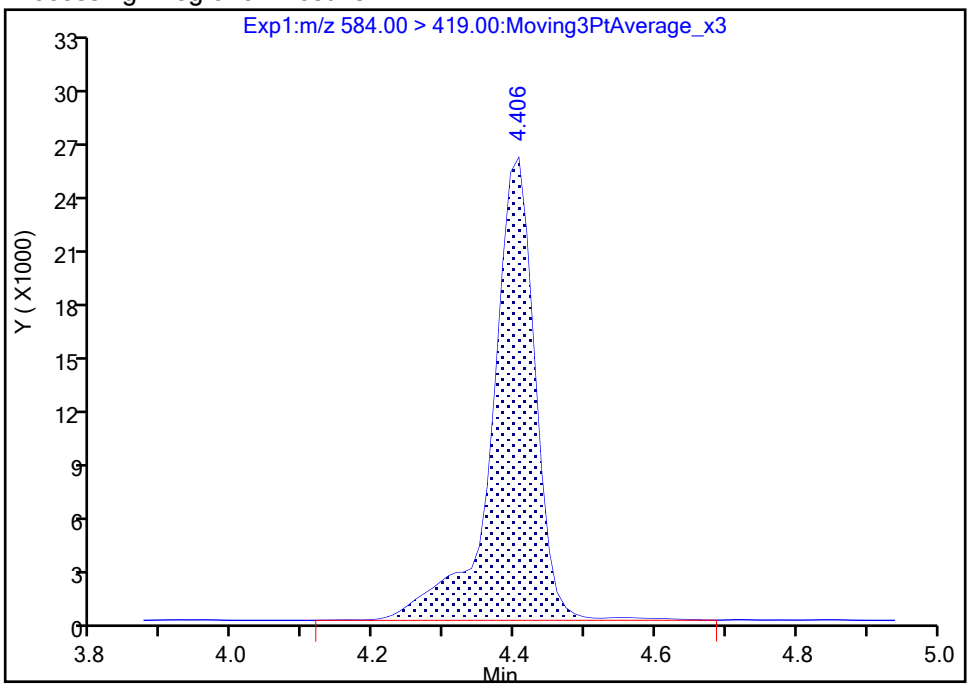
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B27.d				
Injection Date:	03-Mar-2021 22:33:38	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

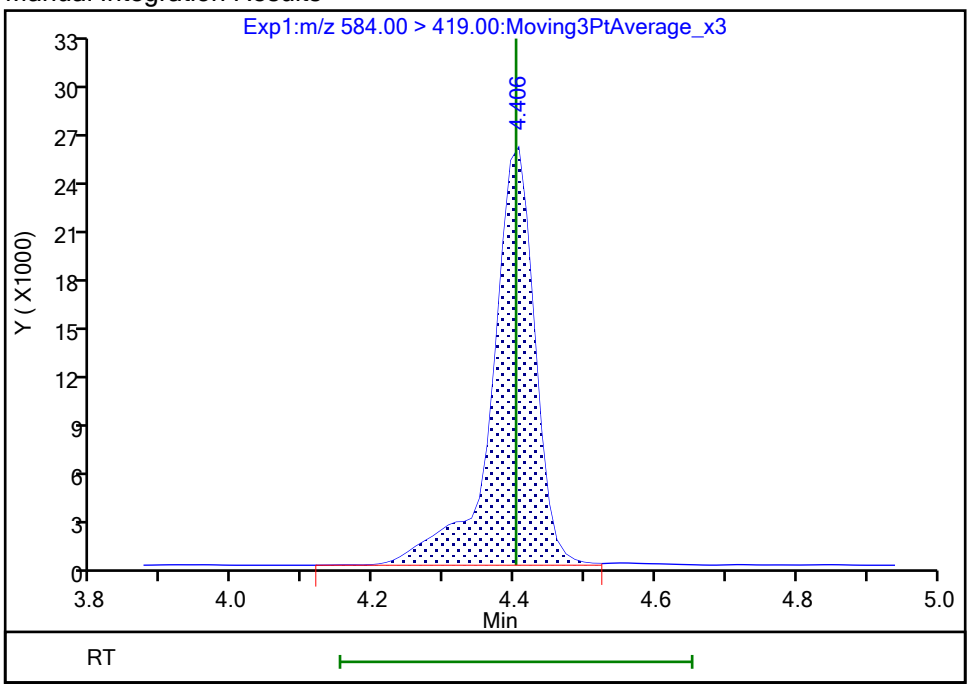
Processing Integration Results

RT: 4.41
Area: 110181
Amount: 2.415742
Amount Units: ng/ml



Manual Integration Results

RT: 4.41
Area: 109487
Amount: 2.400526
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:55:52
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

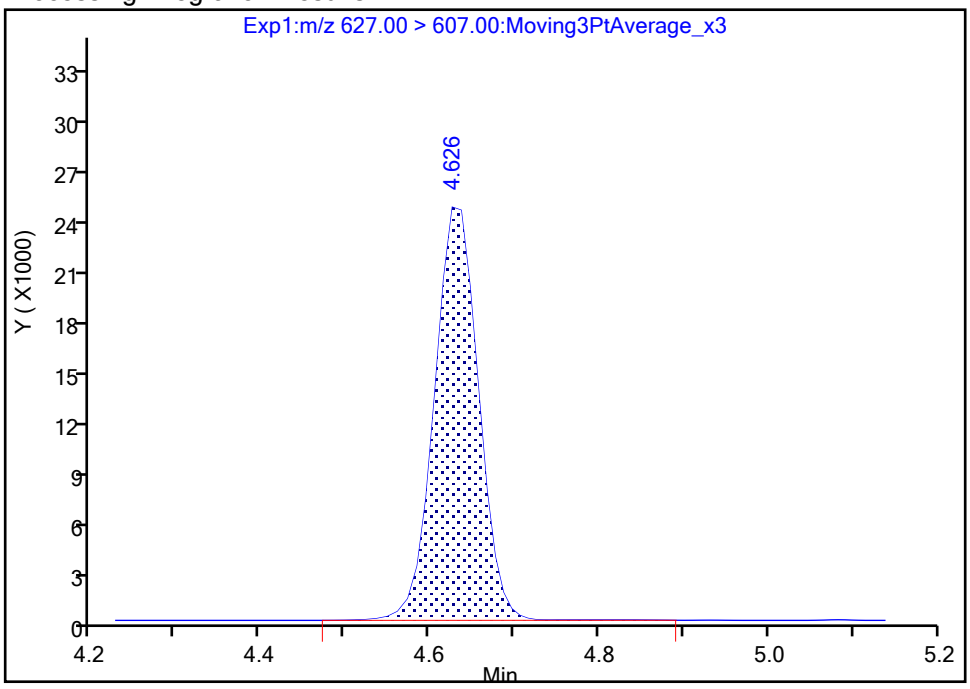
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B27.d				
Injection Date:	03-Mar-2021 22:33:38	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

74 1H,1H,2H,2H-perfluorododecanesul, CAS: 120226-60-0

Signal: 1

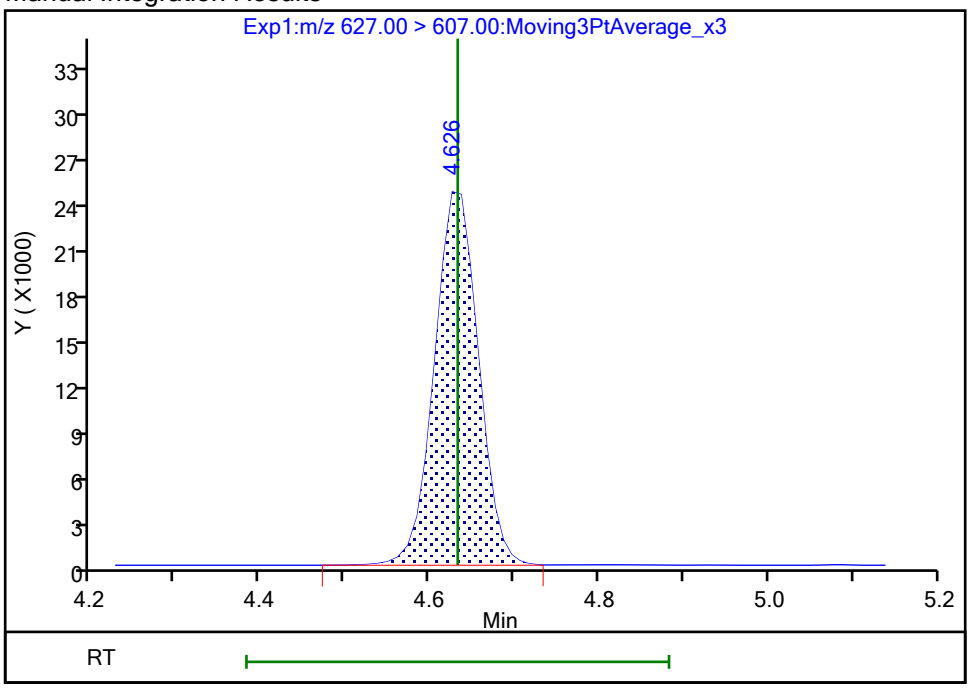
Processing Integration Results

RT: 4.63
Area: 89128
Amount: 2.287262
Amount Units: ng/ml



Manual Integration Results

RT: 4.63
Area: 88962
Amount: 2.283002
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:56:00

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

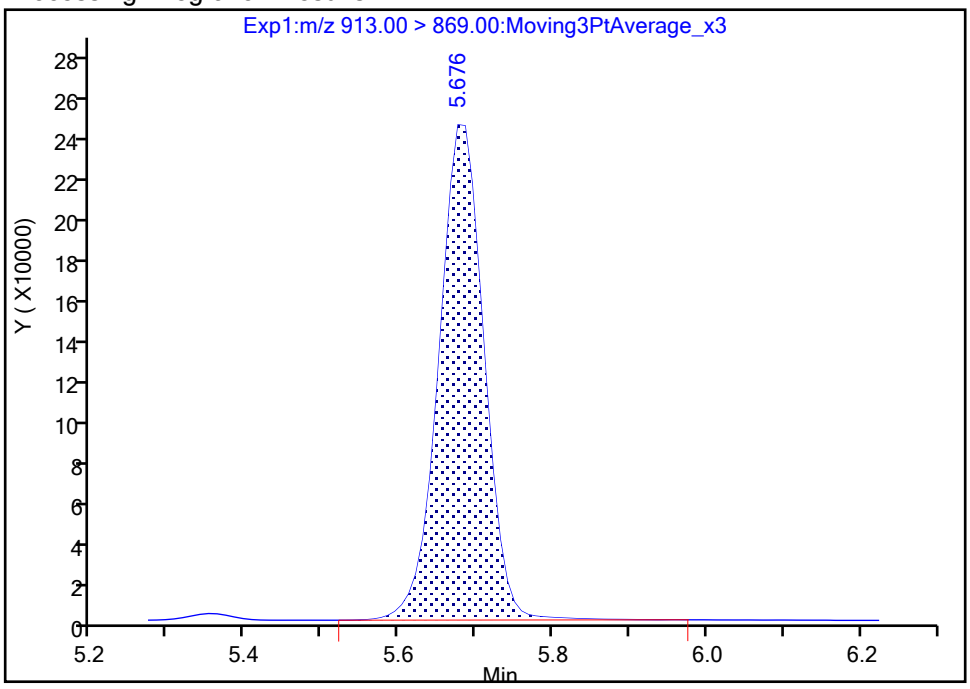
Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B27.d
Injection Date: 03-Mar-2021 22:33:38 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

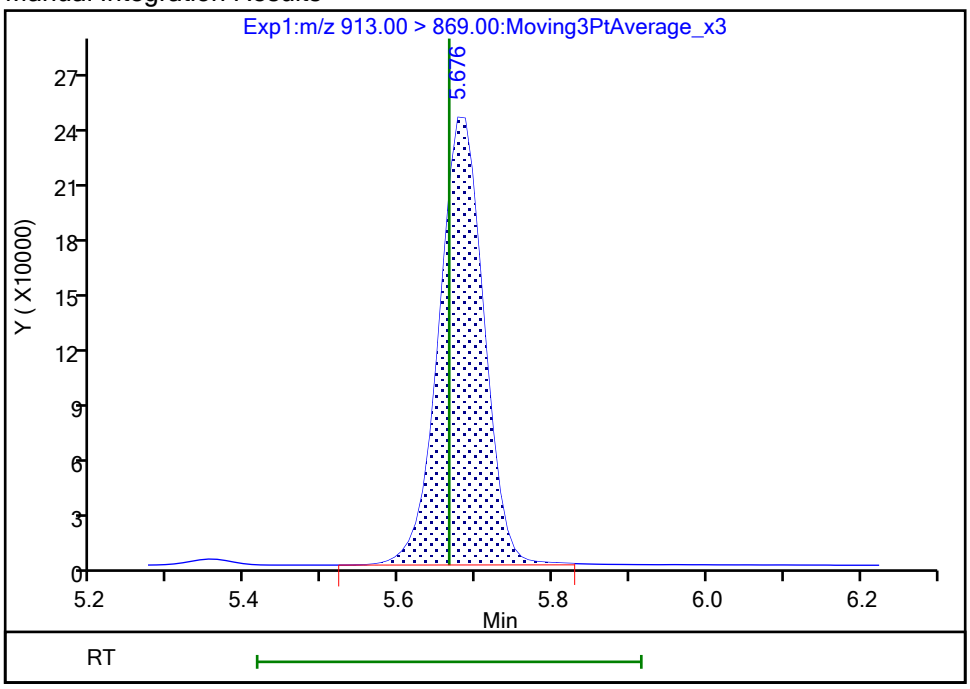
Processing Integration Results

RT: 5.68
Area: 987823
Amount: 2.269603
Amount Units: ng/ml



Manual Integration Results

RT: 5.68
Area: 986171
Amount: 2.265807
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:56:08
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

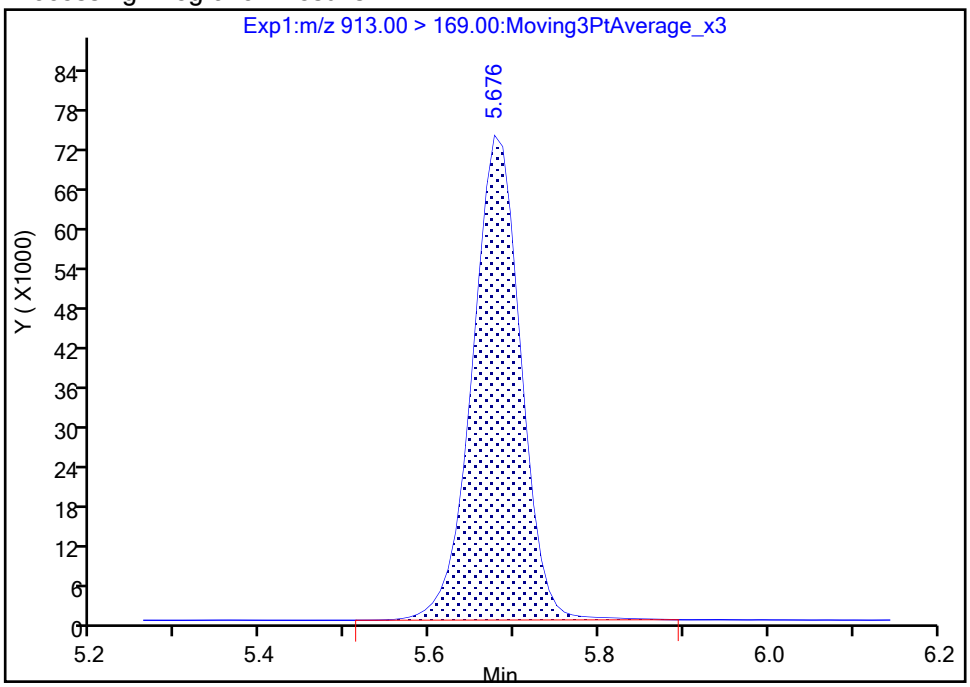
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B27.d				
Injection Date:	03-Mar-2021 22:33:38	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

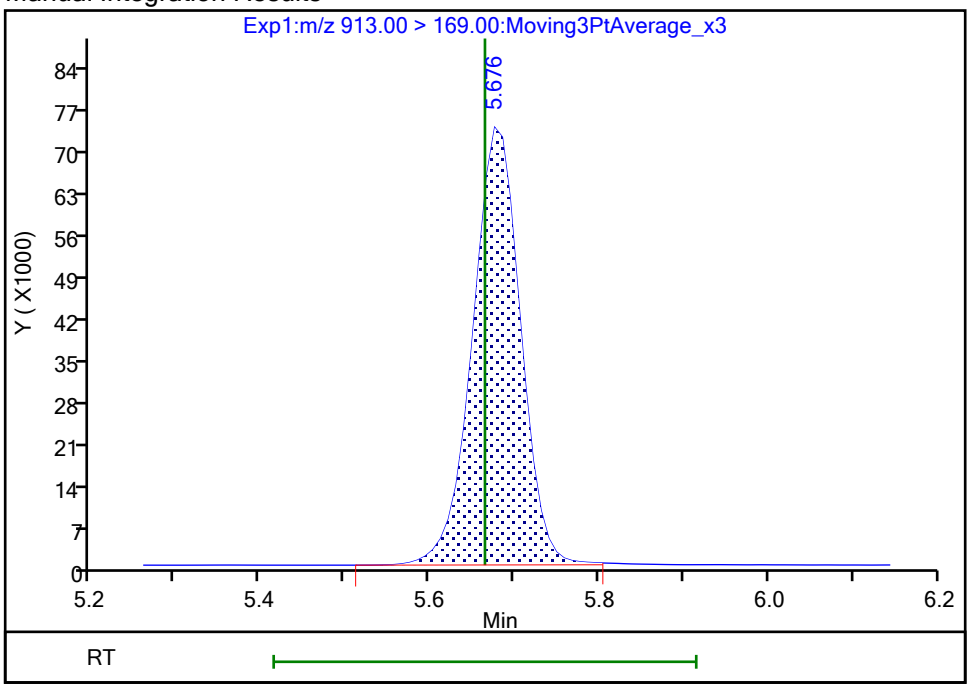
Processing Integration Results

RT: 5.68
Area: 290513
Amount: 2.269603
Amount Units: ng/ml



Manual Integration Results

RT: 5.68
Area: 289855
Amount: 2.265807
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:56:11

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-164458/1-A

Matrix: Water Lab File ID: PA210303B02.d

Analysis Method: 537 (modified) Date Collected:

Extraction Method: 3535 Date Extracted: 03/03/2021 08:24

Sample wt/vol: 250(mL) Date Analyzed: 03/03/2021 19:06

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 164492 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
39108-34-4	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		2.0	0.66
27619-97-2	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		5.0	0.72
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		5.0	0.93
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		5.0	0.79
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.63
375-22-4	Perfluorobutanoic acid (PFBA)	ND		5.0	1.1
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.48
335-76-2	Perfluorodecanoic acid (PFDA)	ND		2.0	0.46
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		2.0	0.46
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.0	0.39
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.46
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.67
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		2.0	0.83
375-95-1	Perfluorononanoic acid (PFNA)	ND		2.0	0.58
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND		2.0	0.57
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		2.0	0.87
335-67-1	Perfluorooctanoic acid (PFOA)	ND		2.0	0.98
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		2.0	1.1
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		2.0	0.59
72629-94-8	Perfluorotridecanoic acid (PFTriA)	ND		2.0	0.43
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.73

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-164458/1-A

Matrix: Water Lab File ID: PA210303B02.d

Analysis Method: 537 (modified) Date Collected:

Extraction Method: 3535 Date Extracted: 03/03/2021 08:24

Sample wt/vol: 250(mL) Date Analyzed: 03/03/2021 19:06

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 164492 Units: ng/L

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00996	13C2 PFDA	108		50-150
STL00998	13C2 PFDoA	87		50-150
STL00993	13C2 PFHxA	110		50-150
STL02116	13C2 PFTeDA	80		50-150
STL00997	13C2 PFUnA	102		50-150
STL02337	13C3 PFBS	106		50-150
STL00992	13C4 PFBA	111		25-150
STL01892	13C4 PFHpA	114		50-150
STL00990	13C4 PFOA	108		50-150
STL00991	13C4 PFOS	109		50-150
STL00995	13C5 PFNA	108		50-150
STL01893	13C5 PFPeA	115		25-150
STL01056	13C8 FOSA	84		25-150
STL00994	18O2 PFHxS	108		50-150
STL02118	d3-NMeFOSAA	95		50-150
STL02117	d5-NEtFOSAA	92		50-150
STL02279	M2-6:2 FTS	108		25-150
STL02280	M2-8:2 FTS	107		25-150

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B02.d
Lims ID: MB 200-164458/1-A
Client ID:
Sample Type: MB
Inject. Date: 03-Mar-2021 19:06:24 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: MB 200-164458/1-A
Misc. Info.: 200-0045034-002 Plate: 1 Rack: 2
Operator ID: lc812tech Instrument ID: LC812

Method: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 04-Mar-2021 11:30:53 Calib Date: 22-Dec-2020 13:29:37
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1647

First Level Reviewer: khanphomeea Date: 04-Mar-2021 10:21:03
Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.080	2.091	-0.011	0.596	1713085	1.39		111	16286	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.080	2.091	-0.011	1.000	14086	0.0103			3.5	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.398	2.413	-0.015	0.687	1277910	1.43		115	3852	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.398	2.413	-0.015	1.000	6803	0.006010			0.4	M
D 47 13C3 PFBS										
301.90 > 80.00	2.424	2.439	-0.015	0.694	1451088	1.24		106	571926	
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.424	2.439	-0.015	1.000	5225	0.003700	Target=2.21		12.4	
298.90 > 99.00	2.424	2.439	-0.015	1.000	2788		1.87(1.11-3.32)		2.3	
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.720	2.734	-0.014	0.779	121585	1.24		106	132	M
61 1H,1H,2H,2H-perfluorohexanesulfo										M
327.00 > 307.00	2.732	2.734	-0.002	1.004	619	0.003241			9.3	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.756	2.770	-0.014	0.789	1285796	1.38		110	3487	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.768	2.770	-0.002	1.004	5470	0.004868	Target=12.83		1.2	M
313.00 > 119.00	2.744	2.770	-0.026	0.996	677		8.08(6.42-19.25)		1.5	M
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.768	2.783	-0.015	0.887	2832	0.002291	Target=3.35		10.0	M
349.00 > 99.00	2.768	2.783	-0.015	0.887	1123		2.52(1.67-5.02)		3.2	M
D 64 13C3 HFPO-DA										
332.10 > 287.00	2.865	2.880	-0.015	0.821	161233	0.9807		78.5	1688	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.132	3.132	0.0	1.003	6652	0.005994	Target=4.15		25.4	M
399.00 > 99.00	3.122	3.132	-0.010	1.000	1788		3.72(2.08-6.23)		3.0	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.122	3.132	-0.010	0.894	1113633	1.28		108	2614	
D 9 13C4 PFHpA										
367.00 > 322.00	3.132	3.143	-0.011	0.897	1271151	1.42		114	2570	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.132	3.143	-0.011	1.000	3230	0.002908	Target=3.66		1.2	
363.00 > 169.00	3.132	3.143	-0.011	1.000	1367		2.36(1.83-5.49)		3.8	M
77 DONA										M
377.00 > 251.00	3.165	3.175	-0.010	0.832	5667	0.002597	Target=2.43		14.4	M
377.00 > 85.00	3.165	3.175	-0.010	0.832	2202		2.57(1.22-3.65)		4.3	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.483	3.483	0.0	0.916	2591	0.002945	Target=5.95		12.0	M
449.00 > 99.00	3.474	3.483	-0.009	0.913	470		5.51(2.98-8.93)		3.1	
D 12 M2-6:2 FTS										
429.00 > 81.00	3.483	3.483	0.0	0.997	139171	1.28		108	468	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.501	3.483	0.018	1.005	147	0.001128			3.3	M
D 14 13C4 PFOA										
417.00 > 372.00	3.492	3.492	0.0	1.000	1230067	1.35		108	4818	
* 62 13C2 PFOA										
415.00 > 370.00	3.492	3.492	0.0		1146918	1.25			3147	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.492	3.492	0.0	1.000	6895	0.006464	Target=2.58		2.3	
413.00 > 169.00	3.492	3.492	0.0	1.000	3115		2.21(1.29-3.87)		8.6	M
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.804	3.804	0.0	1.000	3201	0.004271	Target=5.65		1.5	M
499.00 > 99.00	3.825	3.804	0.021	1.005	683		4.69(2.82-8.47)		1.7	M
D 18 13C4 PFOS										
503.00 > 80.00	3.804	3.804	0.0	1.089	778752	1.30		109	3234	
D 19 13C5 PFNA										
468.00 > 423.00	3.825	3.825	0.0	1.095	1082057	1.35		108	3701	
20 Perfluorononanoic acid										RM
463.00 > 419.00	3.836	3.825	0.011	1.003	4960	0.005177	Target=7.44		0.9	RM
463.00 > 169.00	3.814	3.825	-0.011	0.997	417		11.89(3.72-11.16)		9.0	M
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.964	3.964	0.0	1.042	2151	0.002572			21.0	M
68 Perfluorononanesulfonic acid										M
549.00 > 80.00	4.093	4.093	0.0	1.076	1118	0.001999	Target=2.54		10.6	M
549.00 > 99.00	4.081	4.093	-0.012	1.073	761		1.47(1.27-3.81)		3.1	M
D 23 13C2 PFDA										
515.00 > 470.00	4.126	4.126	0.0	1.182	1032653	1.35		108	5574	
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.115	4.126	-0.011	0.997	3406	0.004001	Target=9.29		3.0	M
513.00 > 169.00	4.115	4.126	-0.011	0.997	360		9.46(4.64-13.93)		4.2	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 26 M2-8:2 FTS										
529.00 > 81.00	4.126	4.137	-0.011	1.182	144255	1.28		107	909	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.126	4.137	-0.011	1.000	175	0.002136			6.0	M
D 21 13C8 FOSA										
506.00 > 78.00	4.215	4.225	-0.010	1.207	1180555	1.05		83.9	2636	
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.215	4.225	-0.010	1.000	4397	0.004646			38.2	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.268	4.268	0.0	1.222	66165	1.19		95.3	568	M
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.268	4.268	0.0	1.000	510	0.0109			5.3	
29 Perfluorodecanesulfonic acid										RM
599.00 > 80.00	4.358	4.358	0.0	1.146	1875	0.004206	Target=2.80		14.8	RM
599.00 > 99.00	4.358	4.358	0.0	1.146	442		4.24(1.40-4.19)		3.1	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.380	4.391	-0.011	1.254	803035	1.28		102	3226	
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.391	4.391	0.0	1.003	3235	0.004938	Target=8.12		3.1	M
563.00 > 169.00	4.380	4.391	-0.011	1.000	274		11.81(4.06-12.18)		4.8	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.391	4.402	-0.011	1.257	61802	1.15		92.1	629	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.391	4.402	-0.011	1.000	830	0.0181			20.2	M
66 11-Chloroeicosafluoro-3-oxaundec										M
631.00 > 451.00	4.479	4.480	-0.001	1.178	2953	0.003403			77.0	M
D 36 13C2 PFDoA										
615.00 > 570.00	4.611	4.612	-0.001	1.320	723023	1.09		87.1	2864	
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.611	4.612	-0.001	1.000	4411	0.006934	Target=6.91		1.4	M
613.00 > 169.00	4.611	4.612	-0.001	1.000	698		6.32(3.45-10.36)		14.6	M
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.622	4.633	-0.011	1.120	119	0.002821			5.4	M
75 Perfluorododecanesulfonic acid (										M
699.00 > 80.00	4.792	4.784	0.008	1.260	624	0.003805	Target=0.51		7.7	M
699.00 > 99.00	4.783	4.784	-0.001	1.257	1166		0.54(0.26-0.77)		5.9	M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.810	4.823	-0.013	1.043	2145	0.004155	Target=4.39		1.1	
663.00 > 169.00	4.822	4.823	-0.001	1.046	430		4.99(2.20-6.59)		7.3	M
D 43 13C2 PFTeDA										
715.00 > 670.00	5.004	5.005	-0.001	1.433	493713	1.01		80.4	2993	
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.014	5.005	0.009	1.002	642	0.008765	Target=1.06		36.2	
713.00 > 219.00	4.995	5.005	-0.010	0.998	624		1.03(0.53-1.59)		24.6	
D 44 13C2 PFHxDA										
815.00 > 770.00	5.349	5.349	0.0	1.532	544736	1.04		83.1	2223	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.349	5.349	0.0	1.000	5960	-0.000569	Target=3.84		3.2	
813.00 > 169.00	5.349	5.349	0.0	1.000	1688		3.53(1.92-5.76)		68.1	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.674	5.665	0.009	1.061	1977	0.005042	Target=3.92		3.0	M
913.00 > 169.00	5.674	5.665	0.009	1.061	601		3.29(1.96-5.88)		22.4	

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

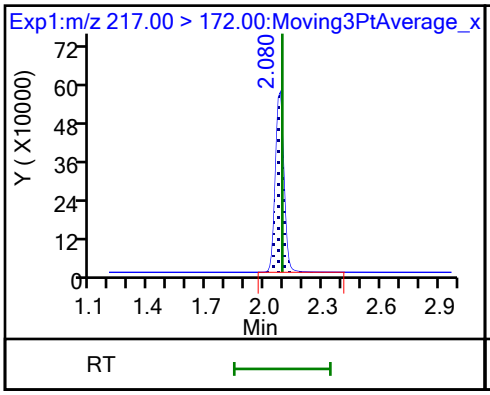
M - Manually Integrated

Report Date: 04-Mar-2021 11:30:56 Chrom Revision: 2.3 05-Feb-2021 00:13:28

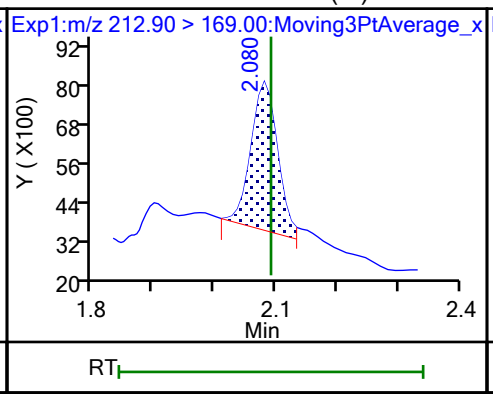
Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B02.d
Injection Date: 03-Mar-2021 19:06:24 Instrument ID: LC812
Lims ID: MB 200-164458/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL

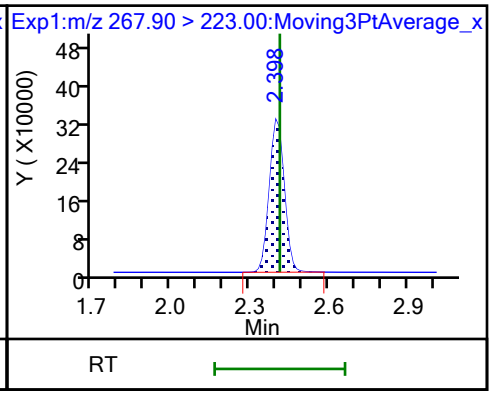
D 1 13C4 PFBA



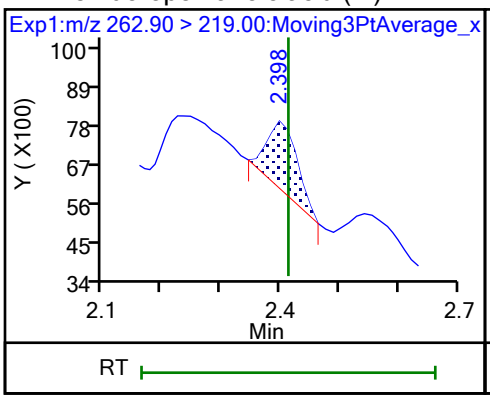
2 Perfluorobutanoic acid (M)



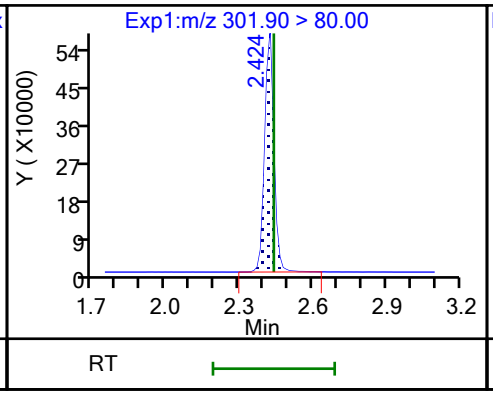
D 3 13C5 PFPeA



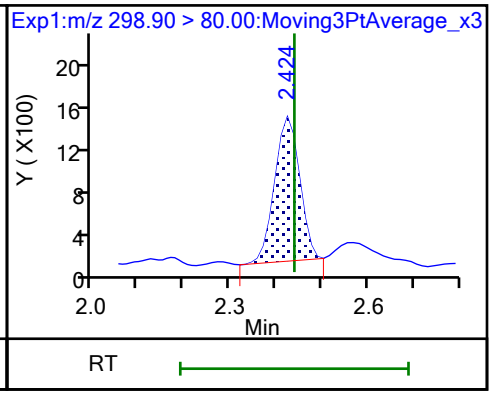
4 Perfluoropentanoic acid (M)



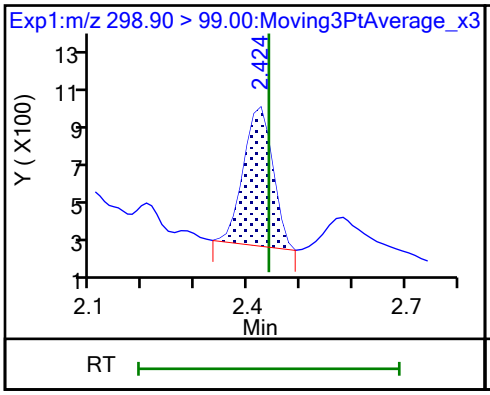
D 47 13C3 PFBS



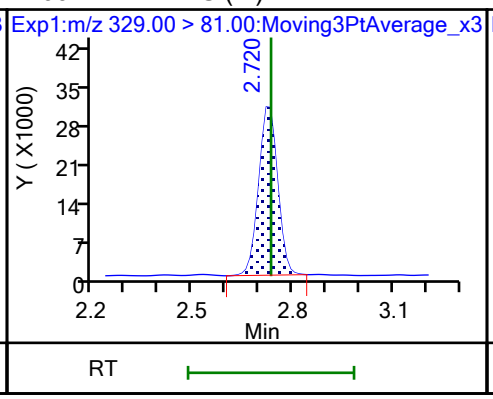
5 Perfluorobutanesulfonic acid



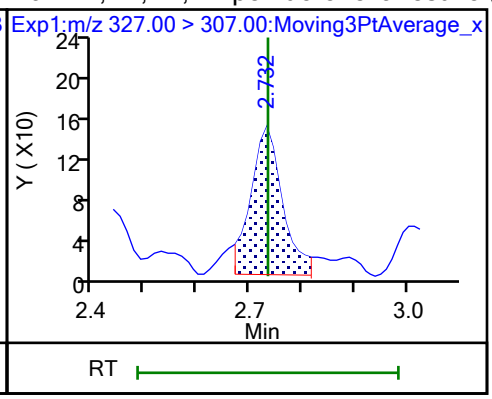
5 Perfluorobutanesulfonic acid



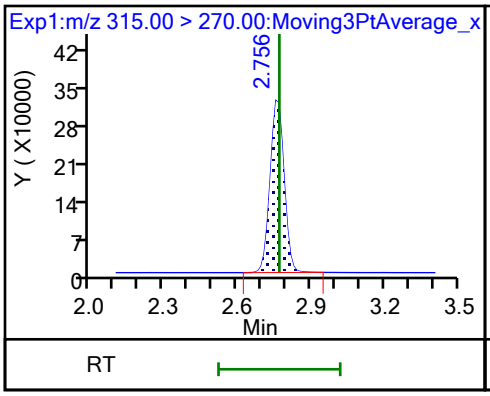
D 60 M2-4:2 FTS (M)



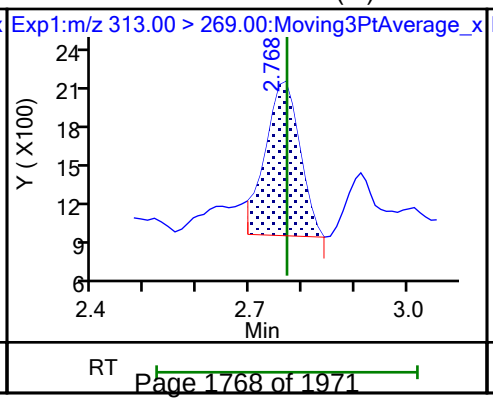
61 1H,1H,2H,2H-perfluorohexanesulfo (M)



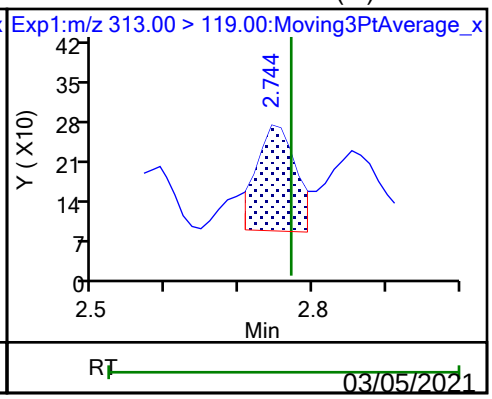
D 7 13C2 PFHxA



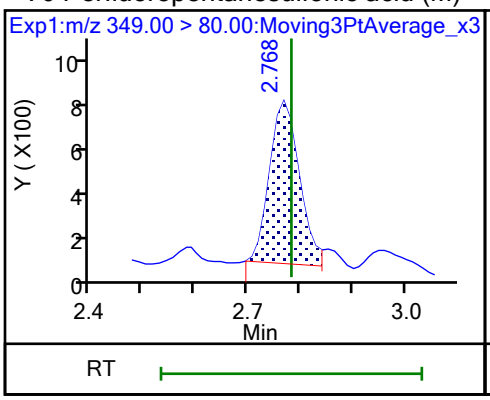
6 Perfluorohexanoic acid (M)



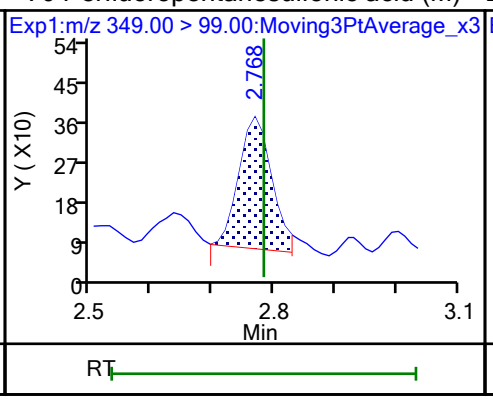
6 Perfluorohexanoic acid (M)



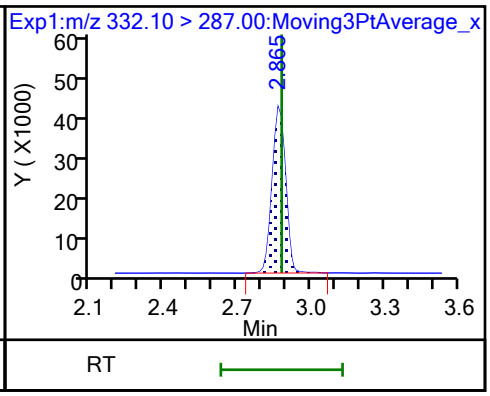
70 Perfluoropentanesulfonic acid (M)



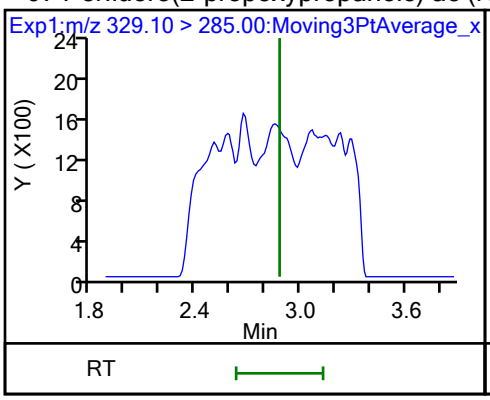
70 Perfluoropentanesulfonic acid (M)



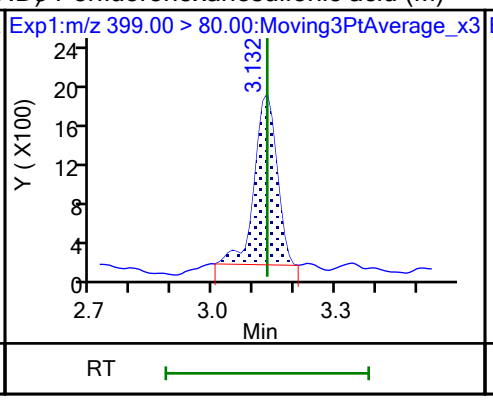
D 64 13C3 HFPO-DA



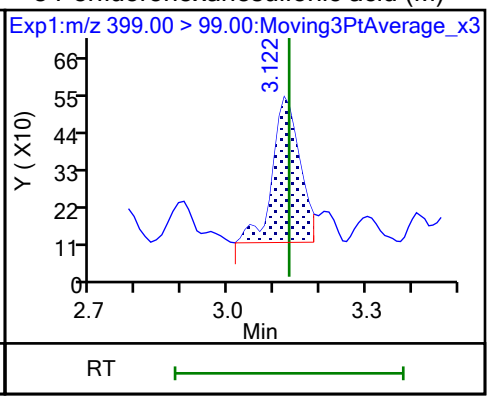
67 Perfluoro(2-propoxypropanoic) ac (ND)



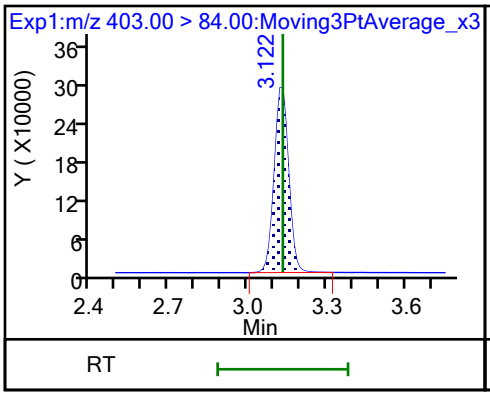
8 Perfluorohexanesulfonic acid (M)



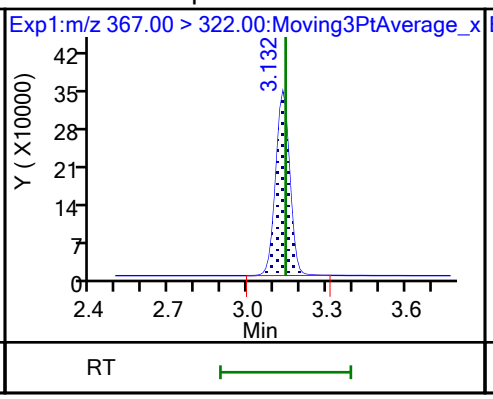
8 Perfluorohexanesulfonic acid (M)



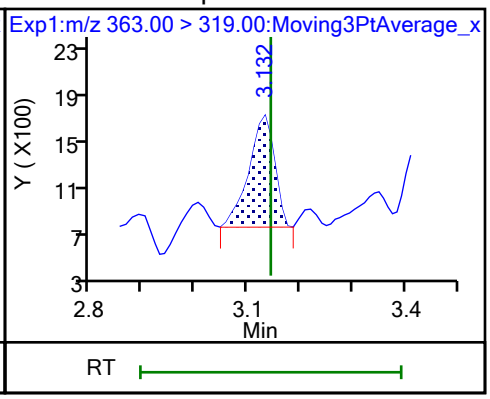
D 11 18O2 PFHxS



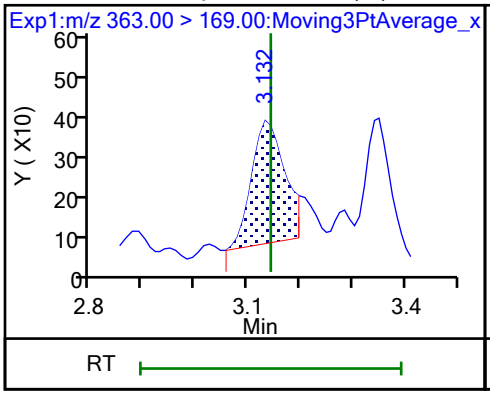
D 9 13C4 PFHpA



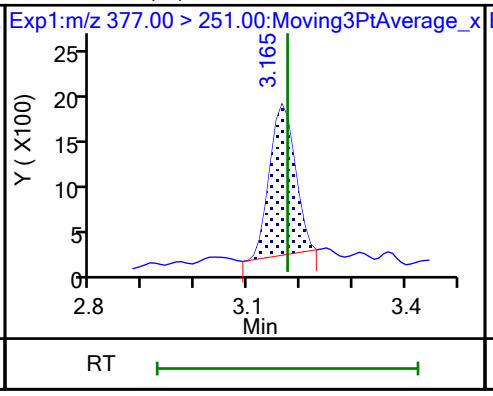
10 Perfluoroheptanoic acid



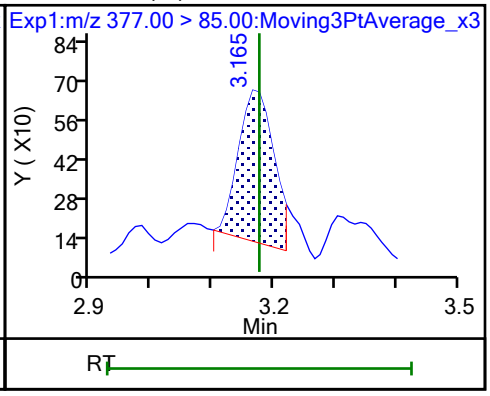
10 Perfluoroheptanoic acid (M)



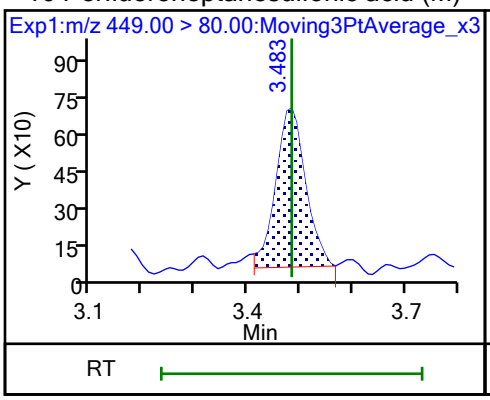
77 DONA (M)



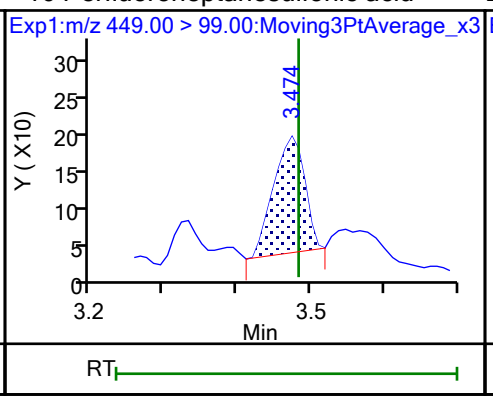
77 DONA (M)



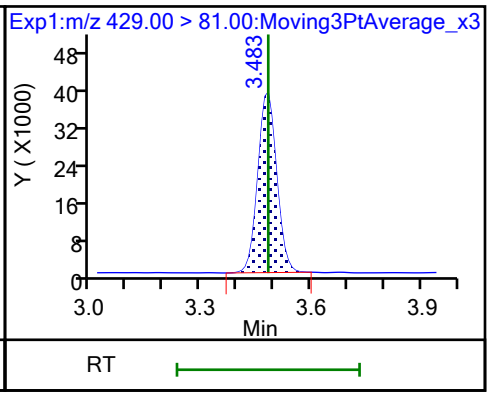
16 Perfluoroheptanesulfonic acid (M)



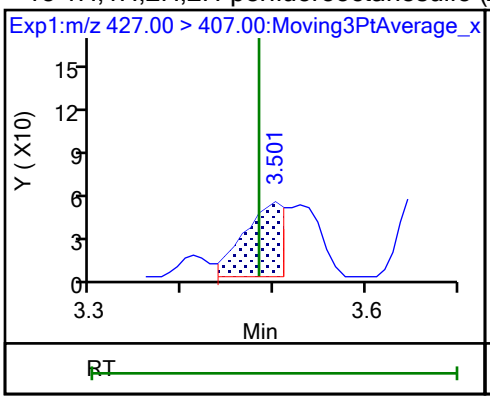
16 Perfluoroheptanesulfonic acid



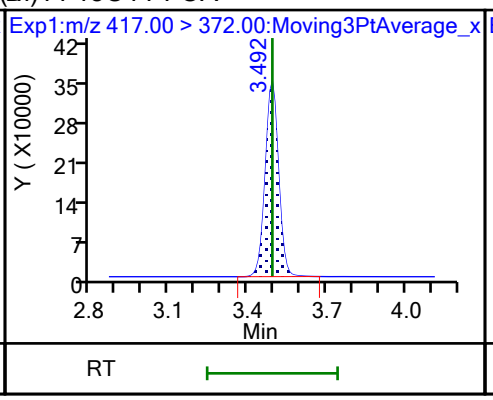
D 12 M2-6:2 FTS



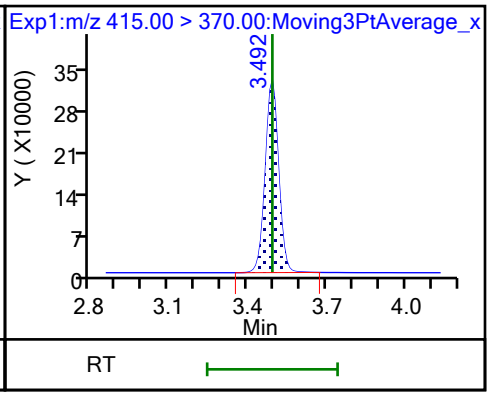
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



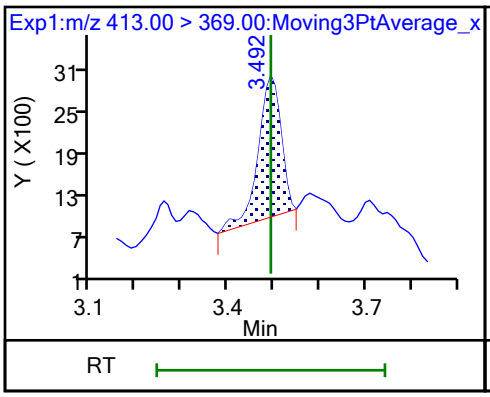
14 13C4 PFOA



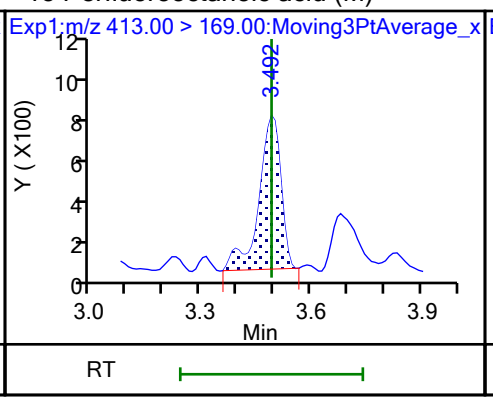
* 62 13C2 PFOA



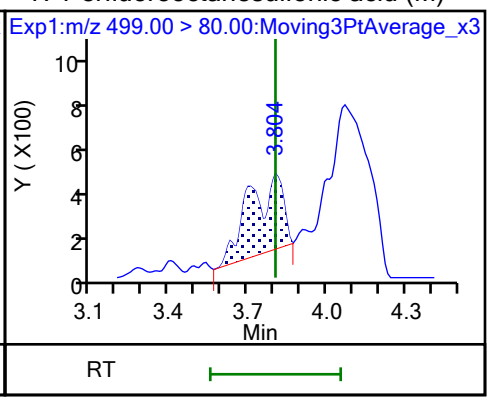
15 Perfluorooctanoic acid



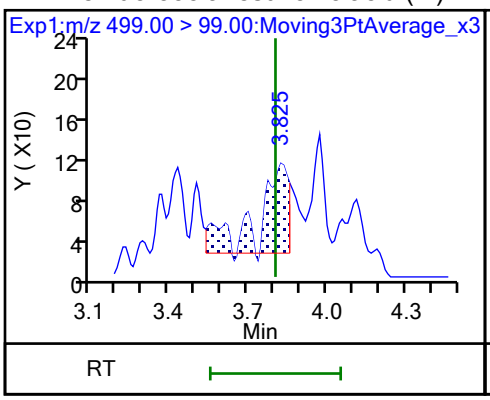
15 Perfluorooctanoic acid (M)



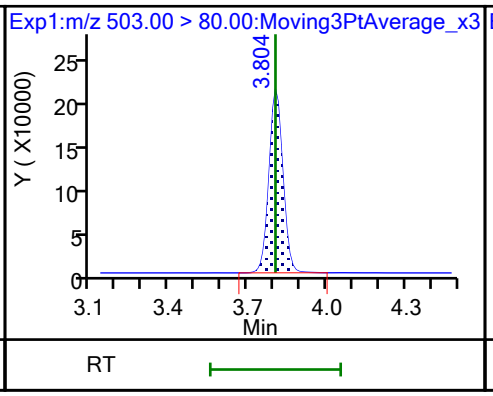
17 Perfluorooctanesulfonic acid (M)



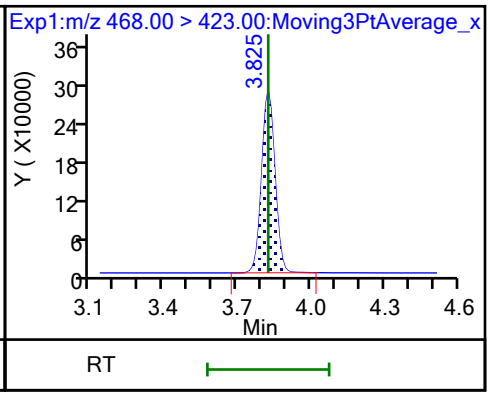
17 Perfluorooctanesulfonic acid (M)



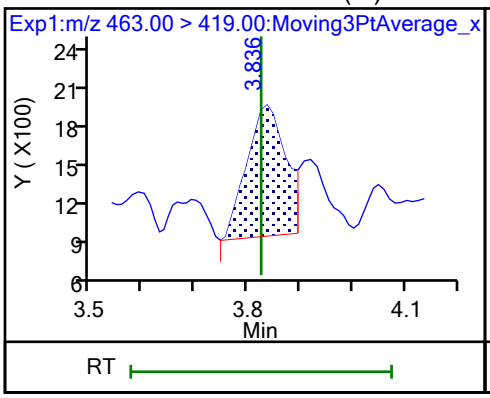
D 18 13C4 PFOS



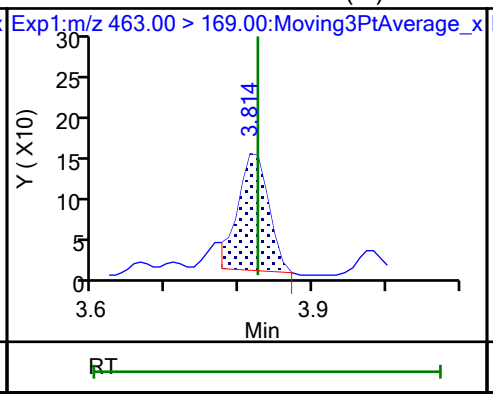
D 19 13C5 PFNA



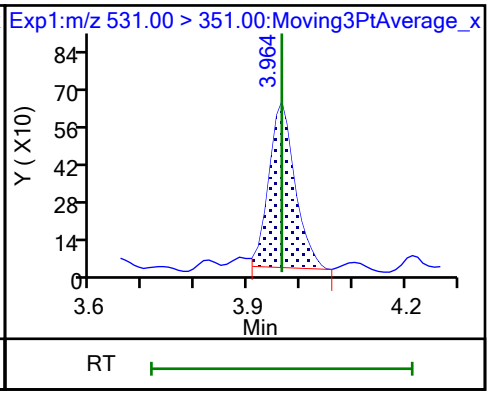
20 Perfluorononanoic acid (M)



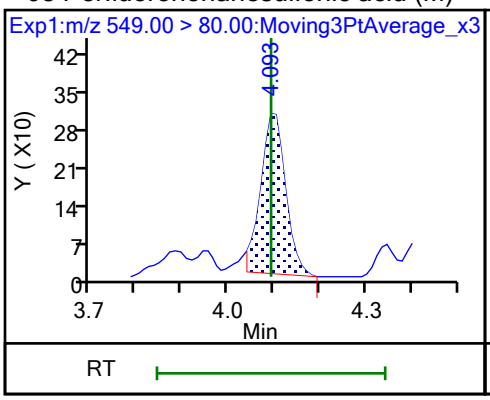
20 Perfluorononanoic acid (M)



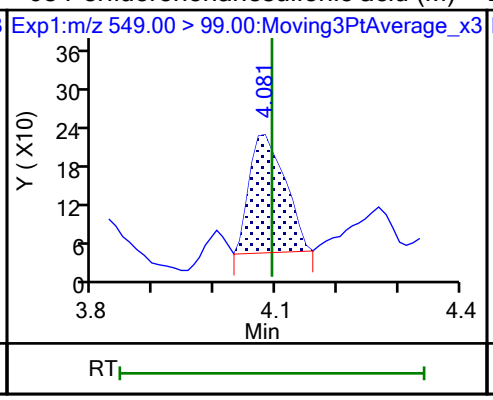
69 9-Chlorohexadecafluoro-3-oxanona (M)



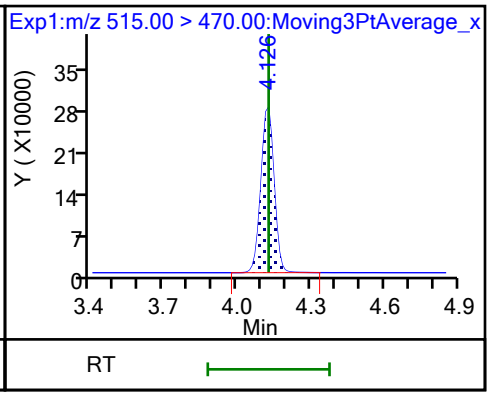
68 Perfluorononanesulfonic acid (M)



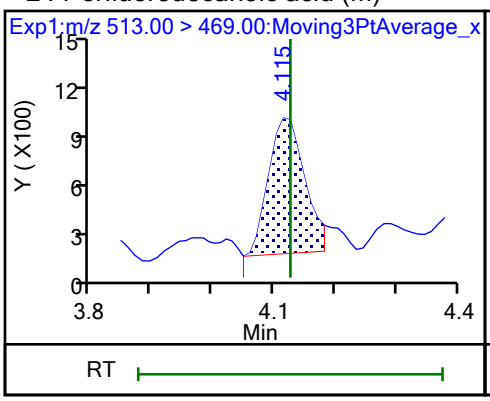
68 Perfluorononanesulfonic acid (M)



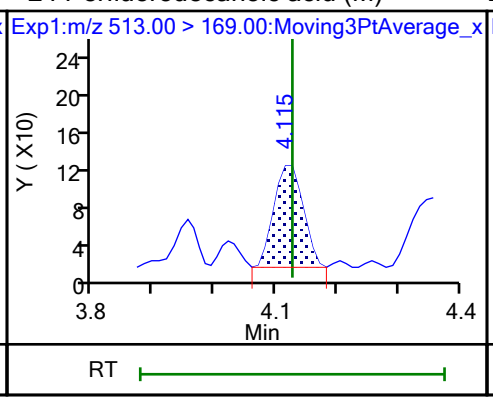
D 23 13C2 PFDA



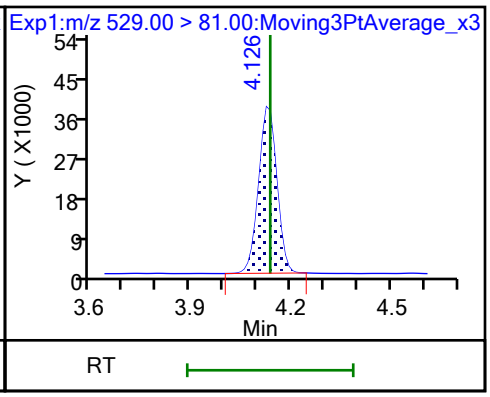
24 Perfluorodecanoic acid (M)



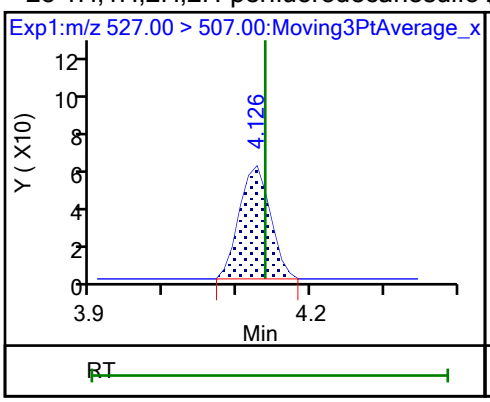
24 Perfluorodecanoic acid (M)



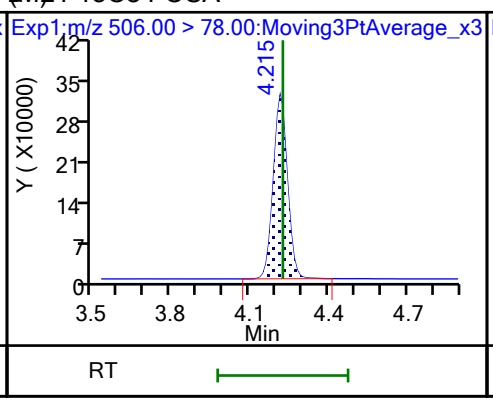
D 26 M2-8:2 FTS



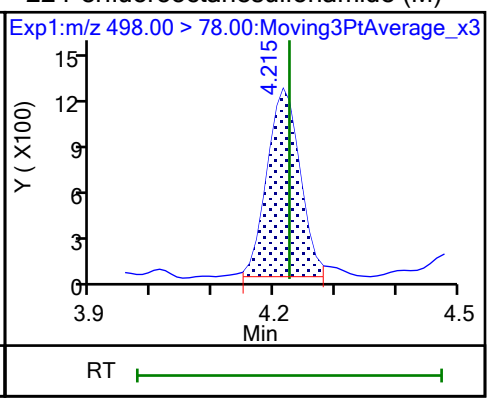
25 1H,1H,2H,2H-perfluorodecanesulfo (M)



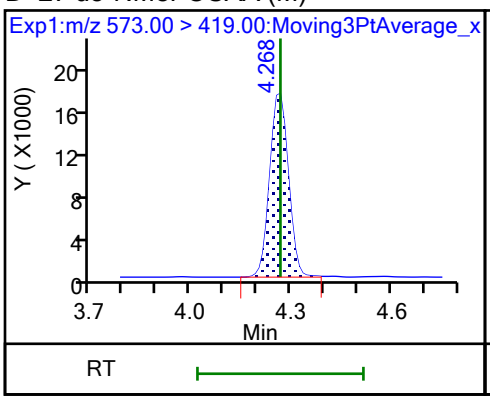
D 21 13C8 FOSA



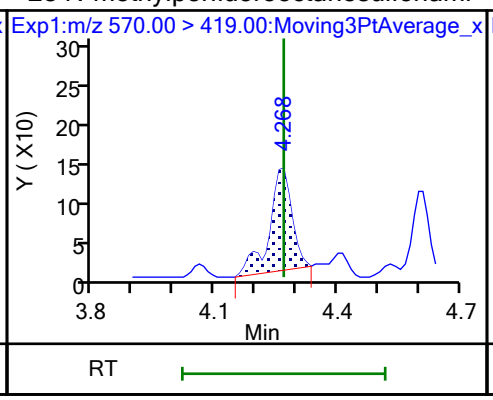
22 Perfluorooctanesulfonamide (M)



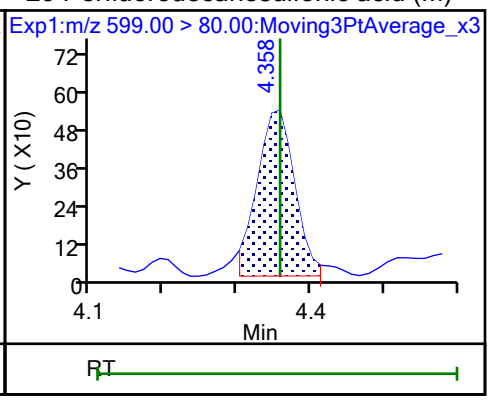
D 27 d3-NMeFOSAA (M)



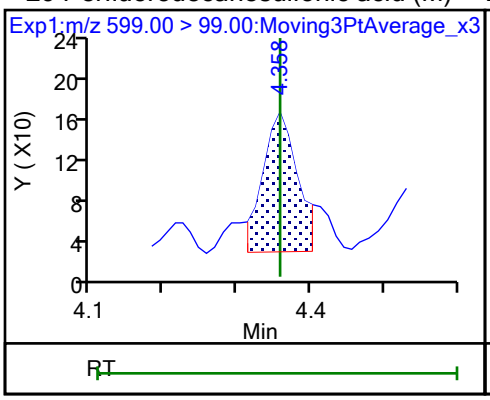
28 N-methylperfluorooctanesulfonami



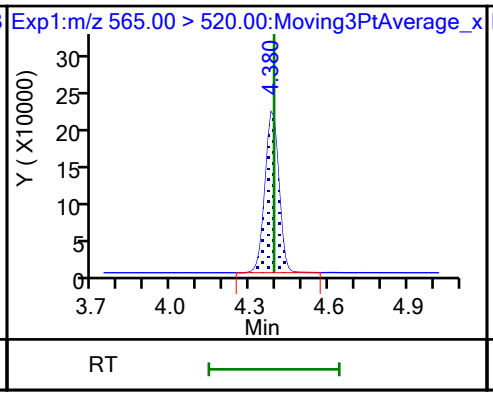
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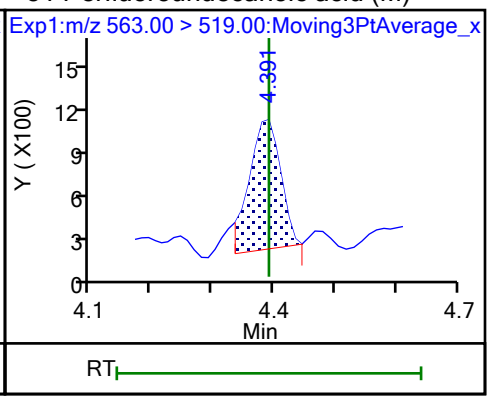
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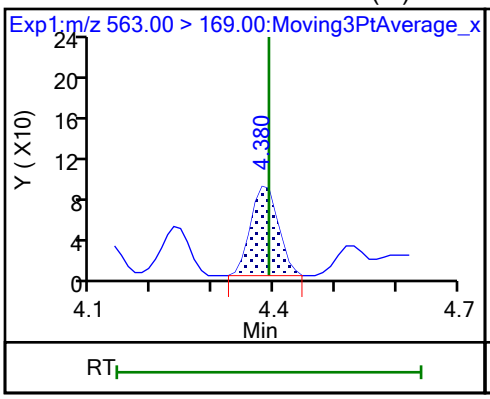
D 30 13C2 PFUnA



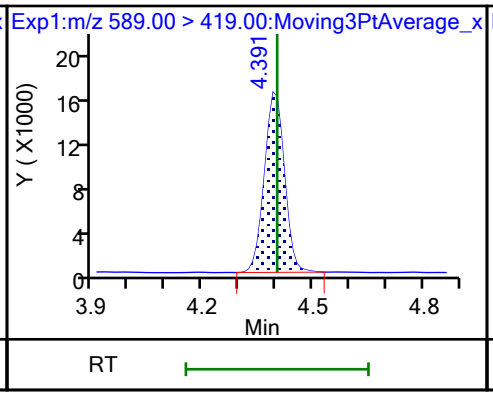
31 Perfluoroundecanoic acid (M)



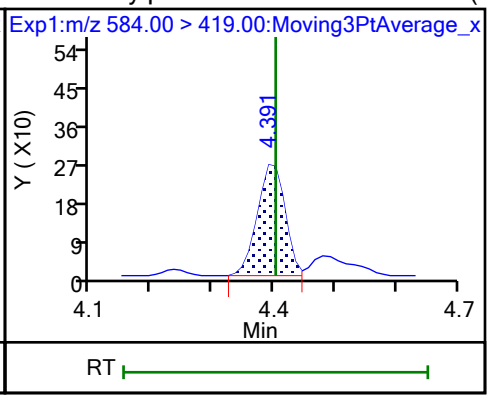
31 Perfluoroundecanoic acid (M)



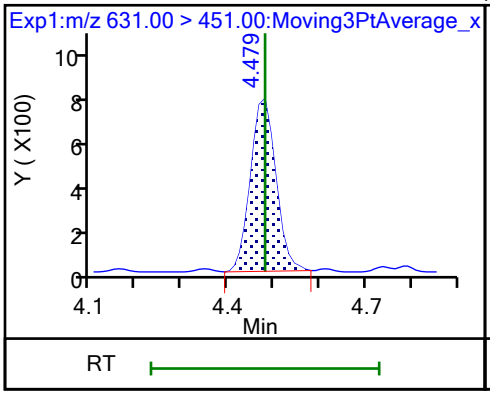
D 32 d5-NEtFOSAA



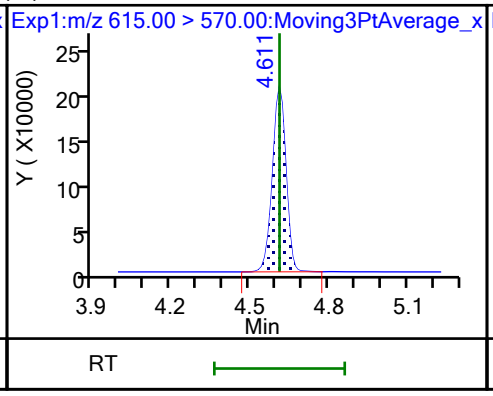
33 N-ethylperfluorooctanesulfonamid (M)



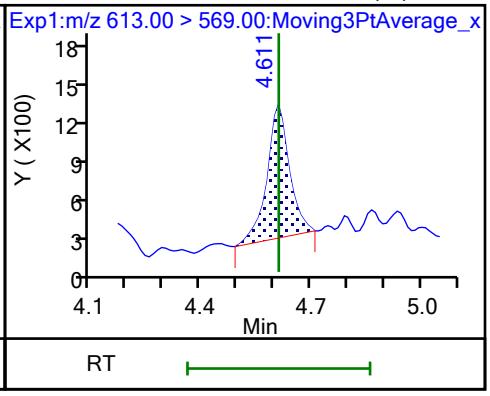
66 11-Chloroeicosafluoro-3-oxaundec (M)



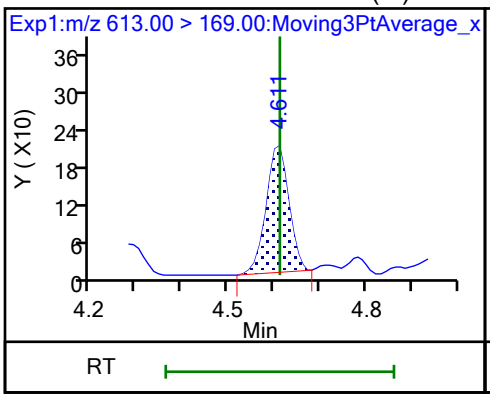
D 36 13C2 PFDoA



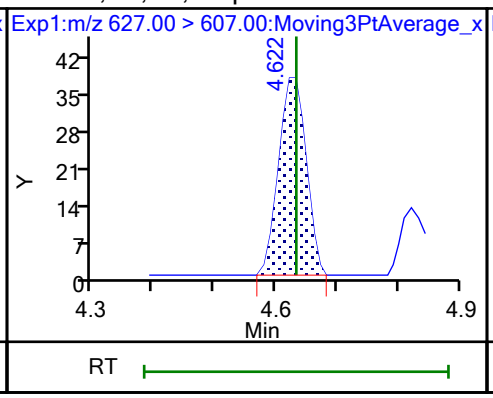
37 Perfluorododecanoic acid (M)



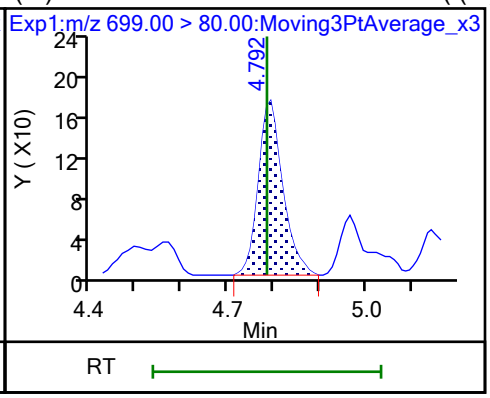
37 Perfluorododecanoic acid (M)



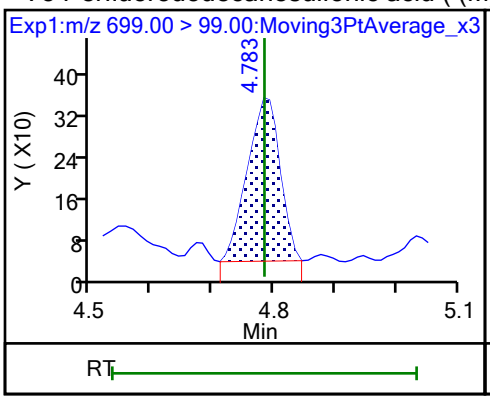
74 1H,1H,2H,2H-perfluorododecanesul (M)



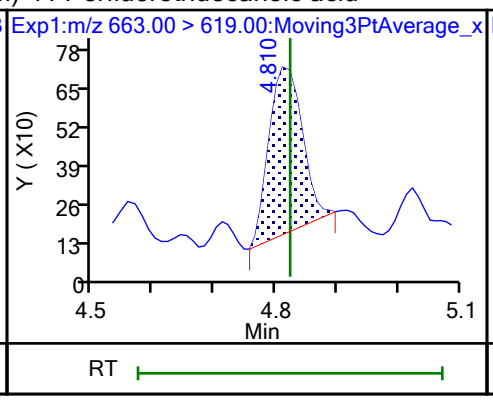
75 Perfluorododecanesulfonic acid ((M)



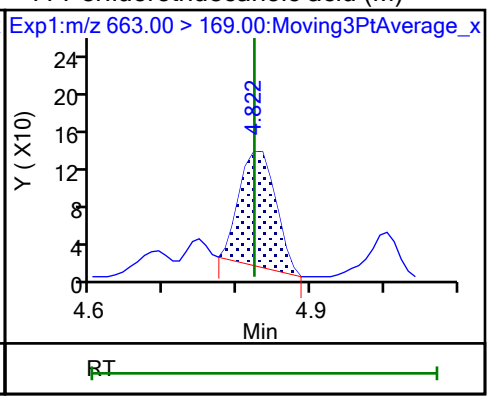
75 Perfluorododecanesulfonic acid ((M)



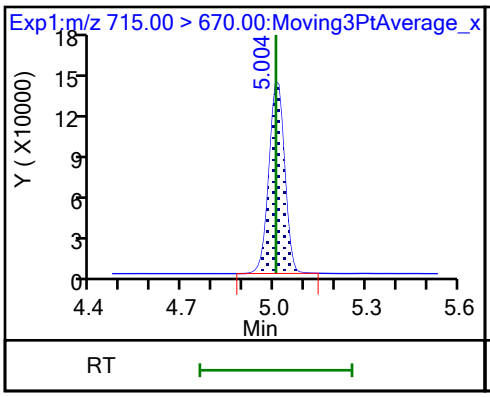
41 Perfluorotridecanoic acid



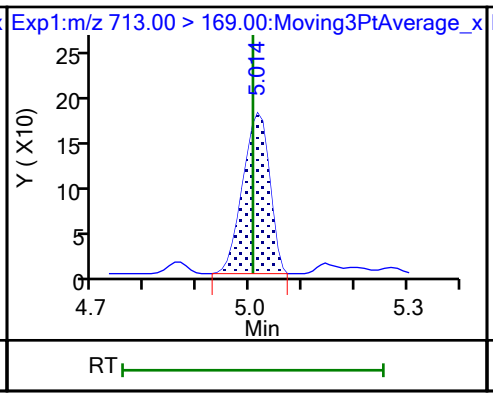
41 Perfluorotridecanoic acid (M)



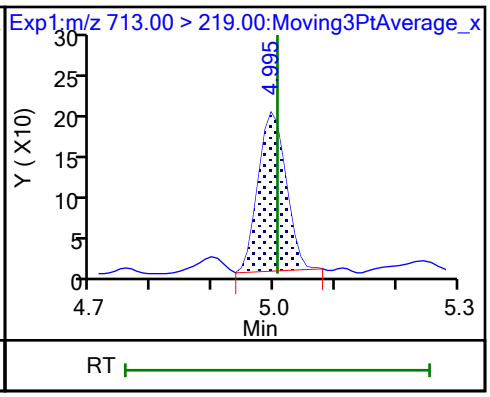
D 43 13C2 PFTeDA



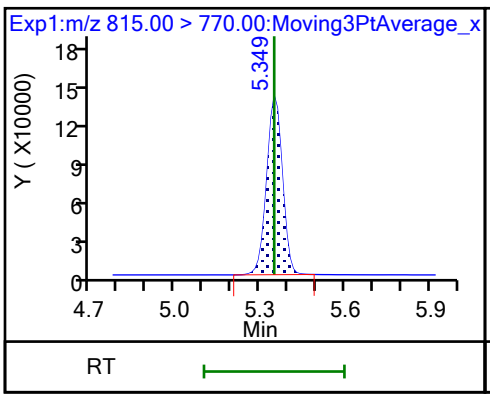
42 Perfluorotetradecanoic acid



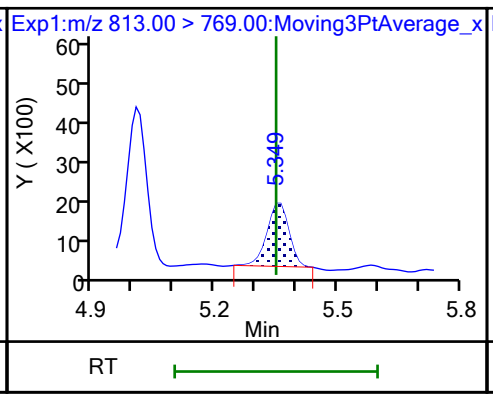
42 Perfluorotetradecanoic acid



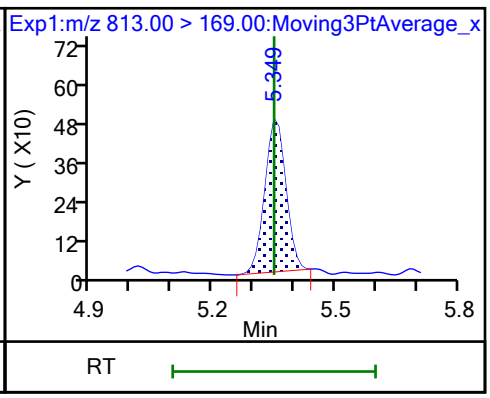
D 44 13C2 PFHxDA



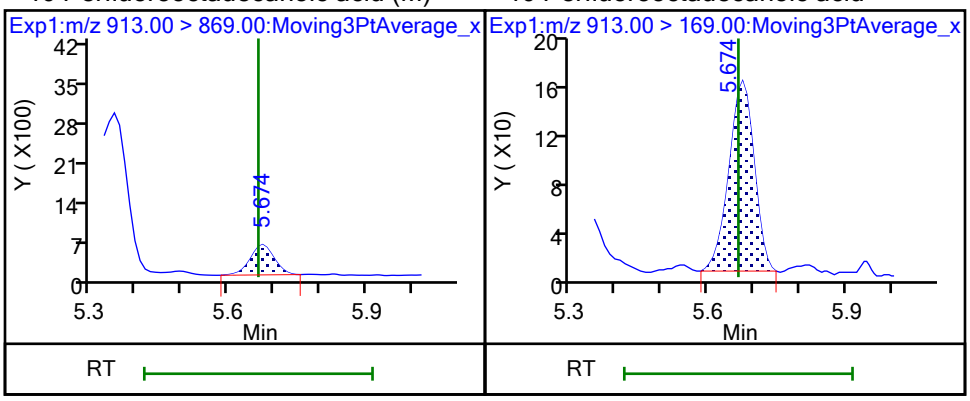
45 Perfluorohexadecanoic acid



45 Perfluorohexadecanoic acid



46 Perfluorooctadecanoic acid (M) 46 Perfluorooctadecanoic acid



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

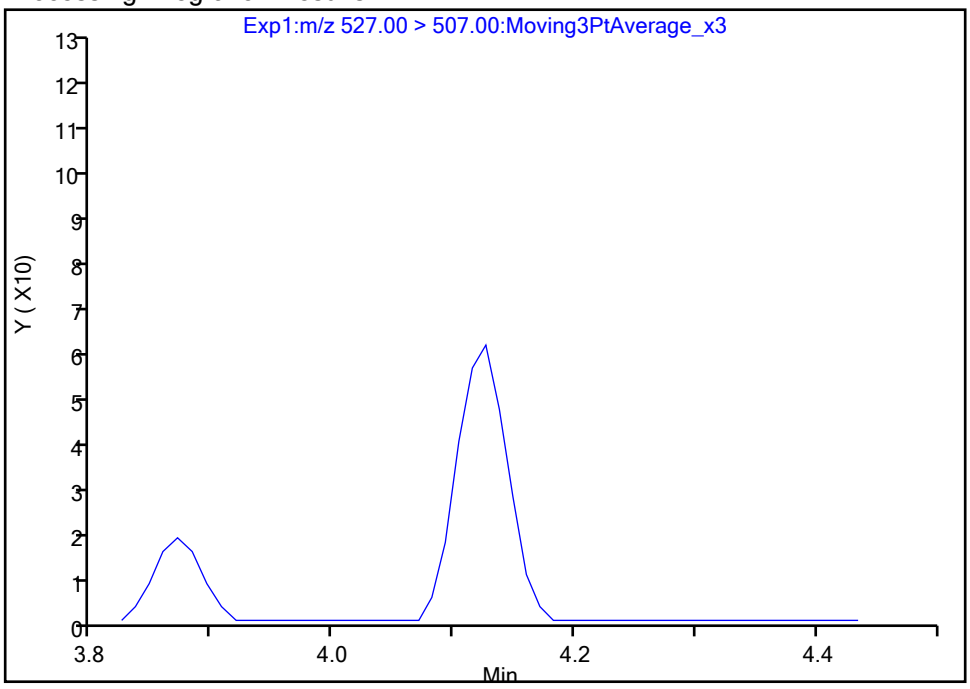
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Injection Date:	03-Mar-2021 19:06:24	Instrument ID:	LC812		
Lims ID:	MB 200-164458/1-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

25 1H,1H,2H,2H-perfluorodecanesulfo, CAS: 39108-34-4

Signal: 1

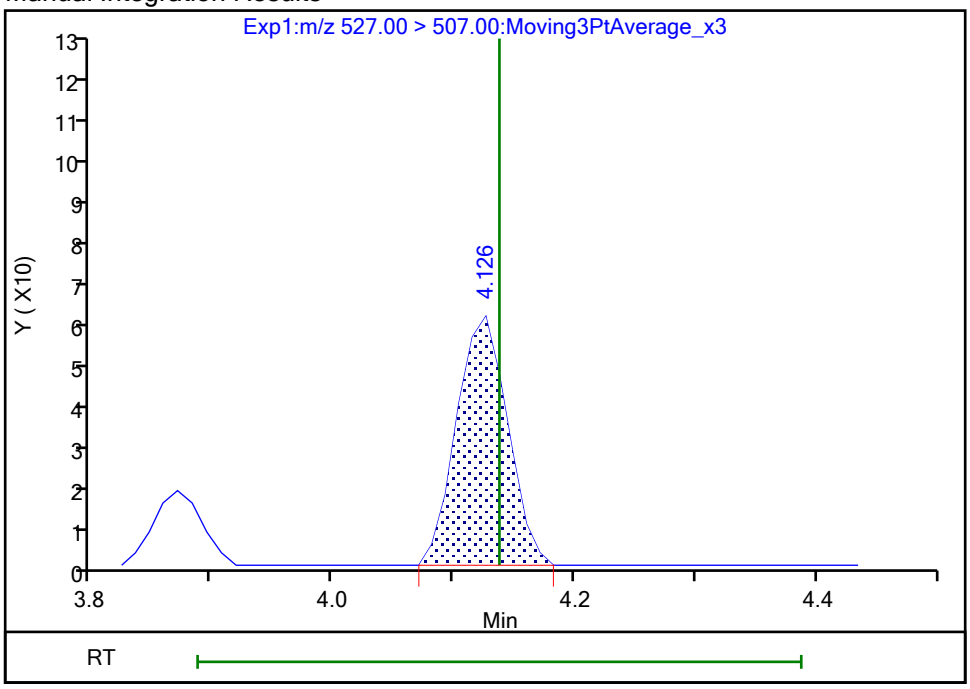
Not Detected
Expected RT: 4.14

Processing Integration Results



Manual Integration Results

RT: 4.13
Area: 175
Amount: 0.002136
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:18:41
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

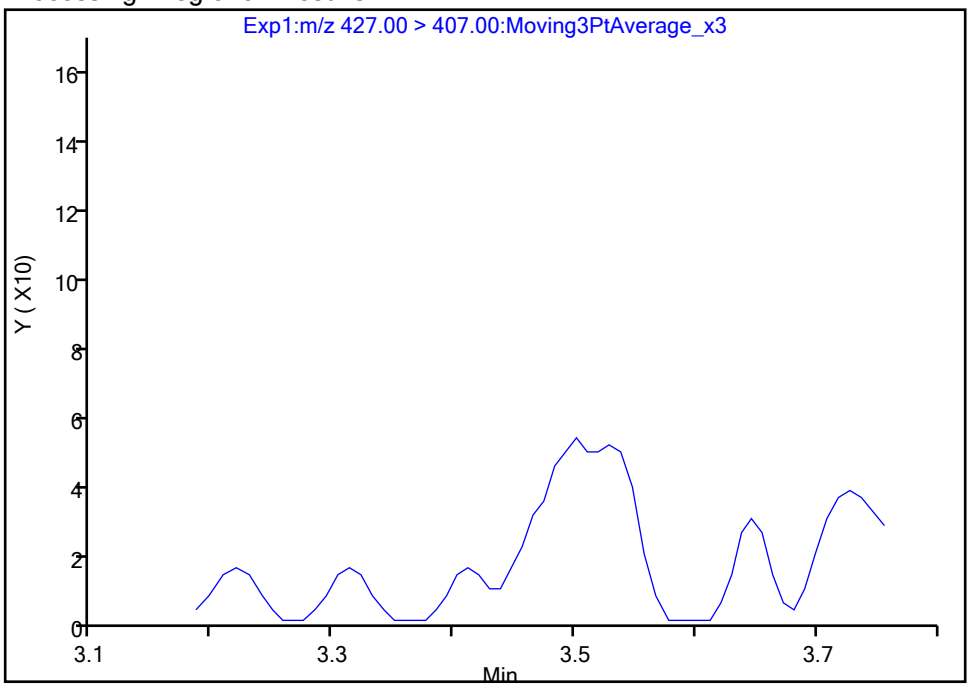
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B02.d				
Injection Date:	03-Mar-2021 19:06:24	Instrument ID:	LC812		
Lims ID:	MB 200-164458/1-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

Signal: 1

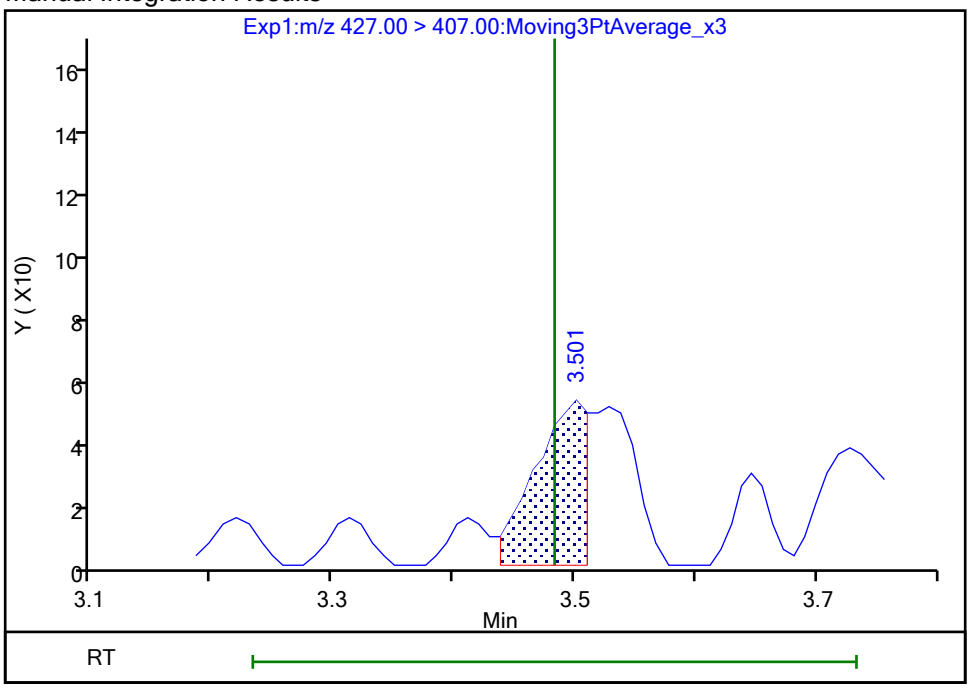
Not Detected
Expected RT: 3.48

Processing Integration Results



Manual Integration Results

RT: 3.50
Area: 147
Amount: 0.001128
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:16:02
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

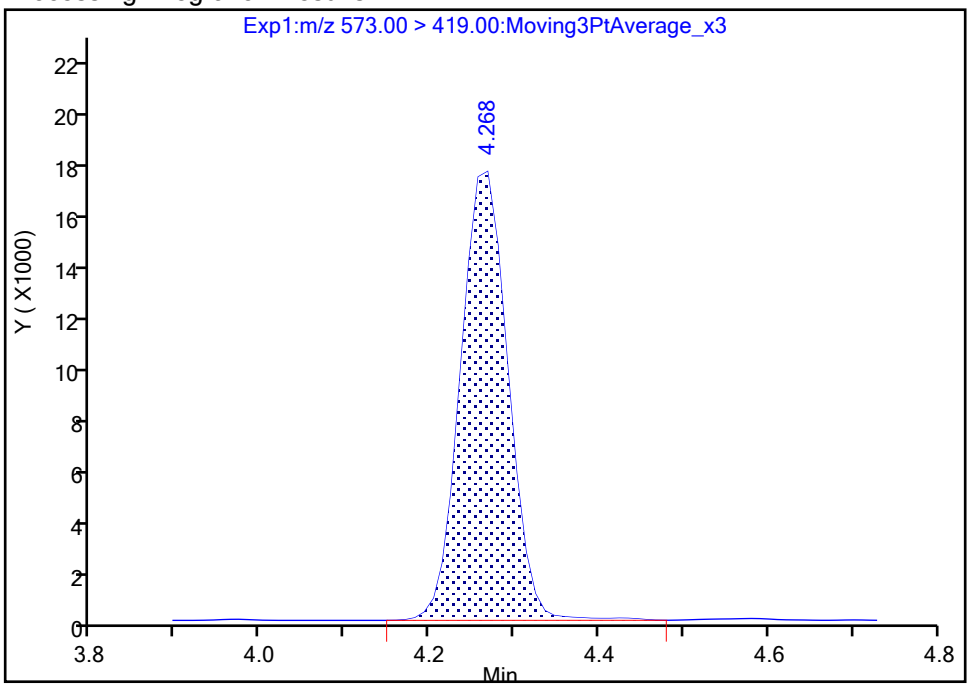
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B02.d				
Injection Date:	03-Mar-2021 19:06:24	Instrument ID:	LC812		
Lims ID:	MB 200-164458/1-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

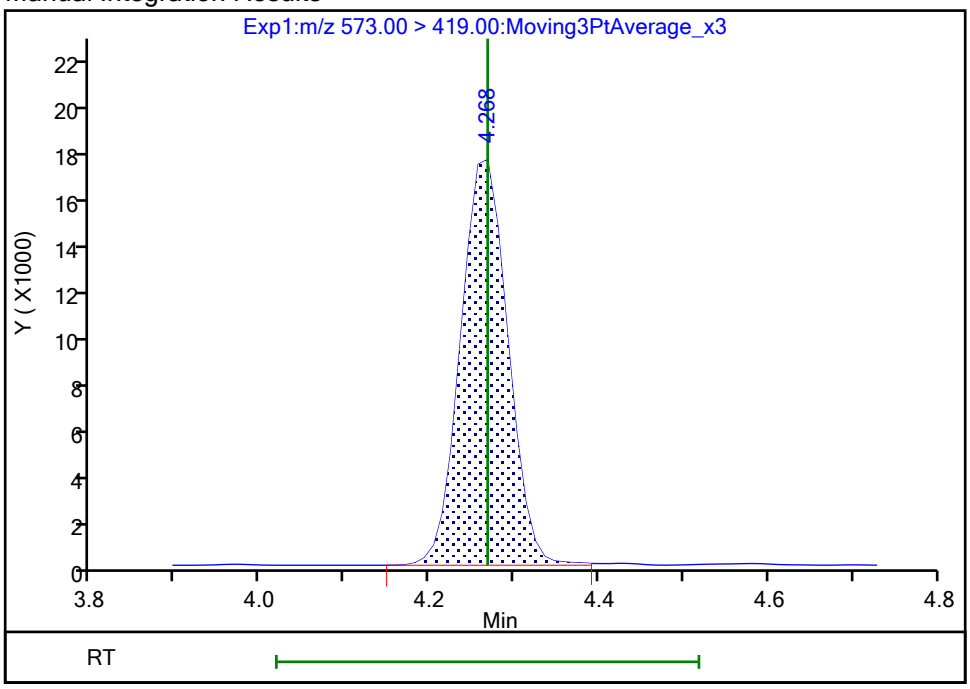
Processing Integration Results

RT: 4.27
Area: 66426
Amount: 1.195886
Amount Units: ng/ml



Manual Integration Results

RT: 4.27
Area: 66165
Amount: 1.191188
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:13:21

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

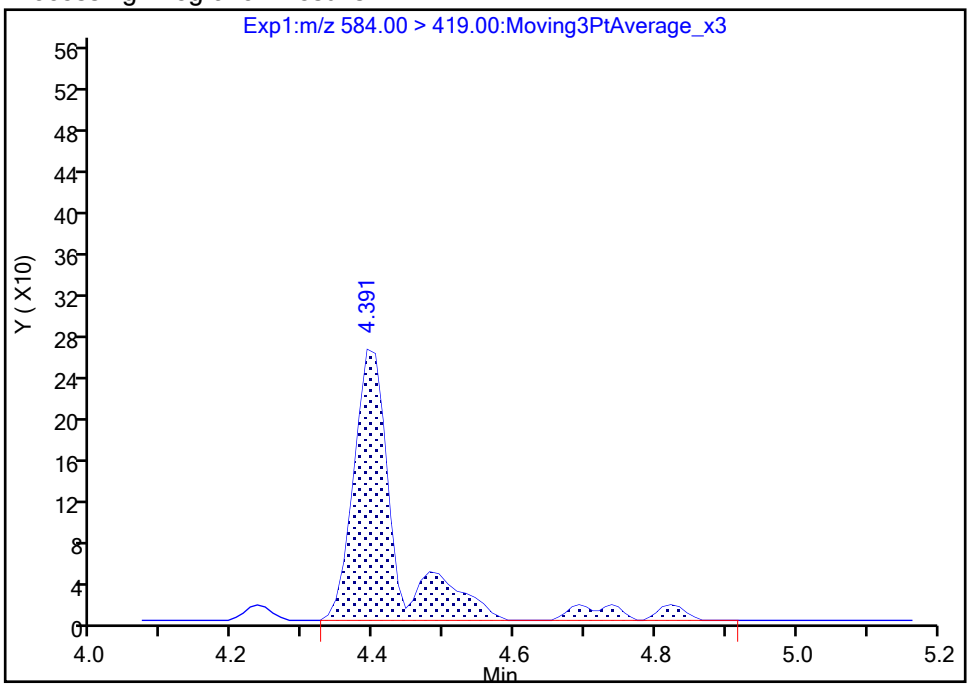
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B02.d				
Injection Date:	03-Mar-2021 19:06:24	Instrument ID:	LC812		
Lims ID:	MB 200-164458/1-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

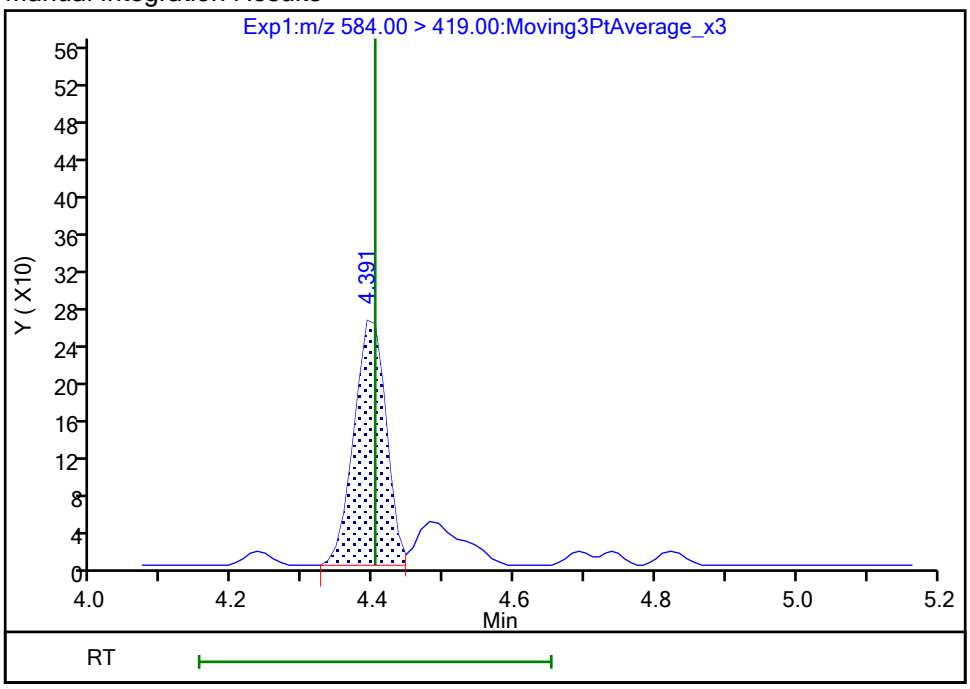
Processing Integration Results

RT: 4.39
Area: 1154
Amount: 0.025214
Amount Units: ng/ml



Manual Integration Results

RT: 4.39
Area: 830
Amount: 0.018135
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:20:04

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

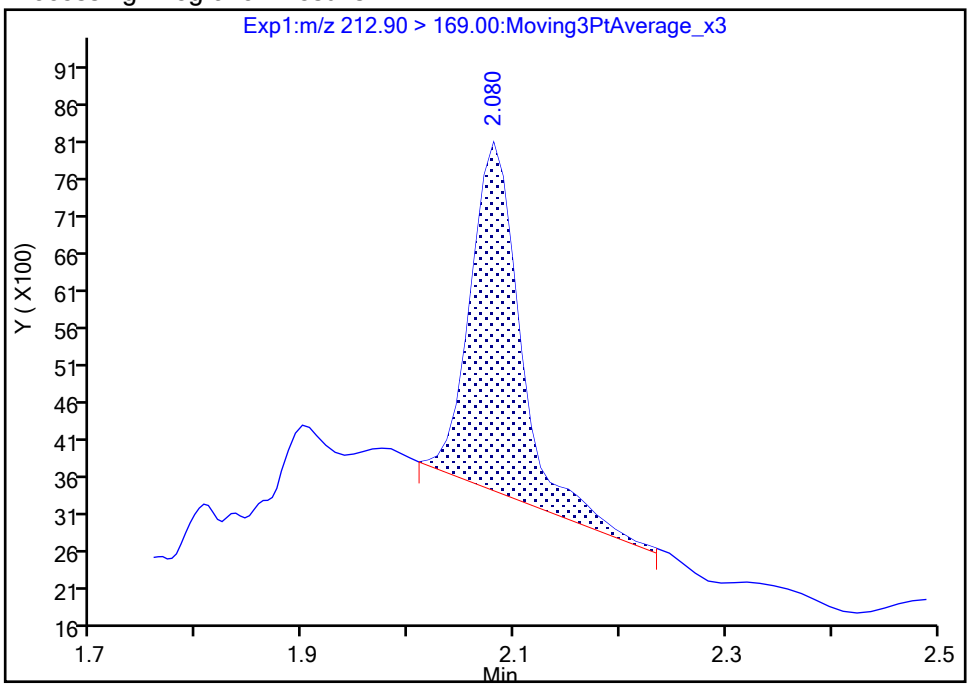
Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B02.d
Injection Date: 03-Mar-2021 19:06:24 Instrument ID: LC812
Lims ID: MB 200-164458/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

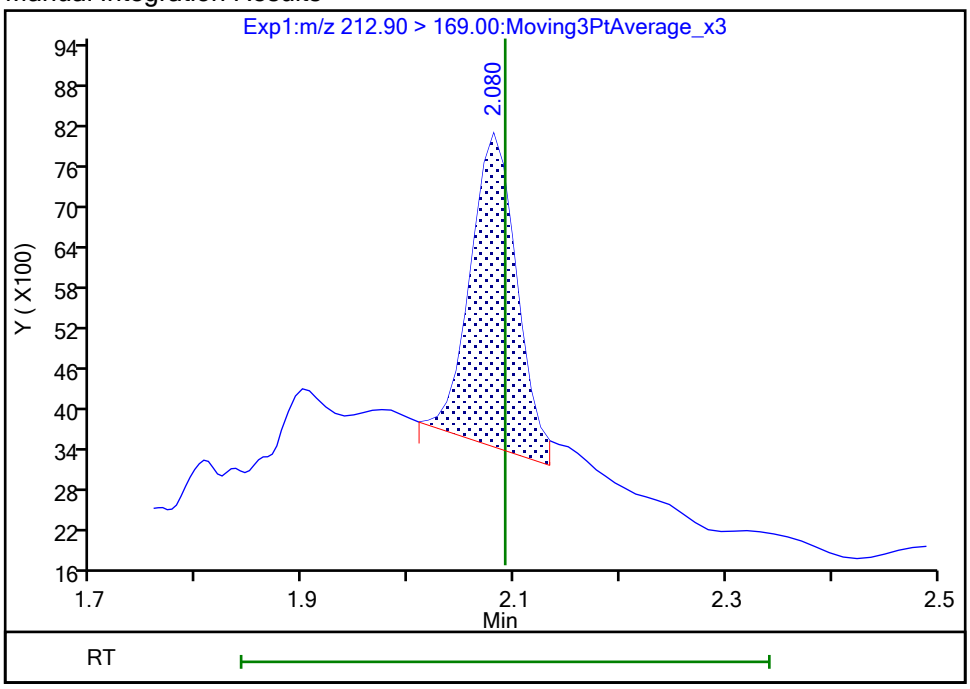
Processing Integration Results

RT: 2.08
Area: 15446
Amount: 0.011248
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 14086
Amount: 0.010258
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:13:38
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

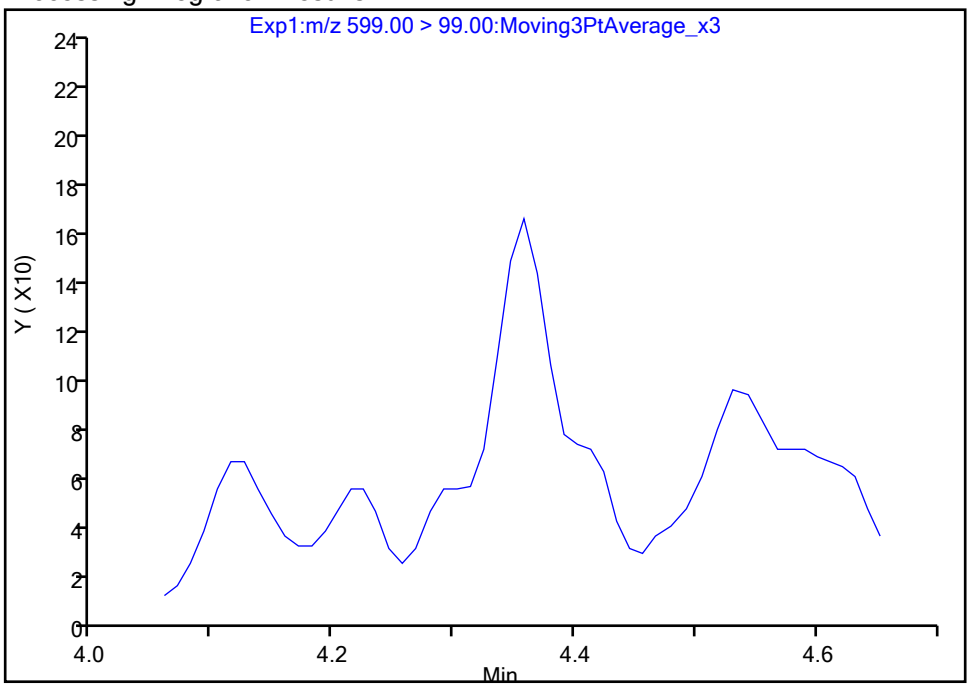
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B02.d				
Injection Date:	03-Mar-2021 19:06:24	Instrument ID:	LC812		
Lims ID:	MB 200-164458/1-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

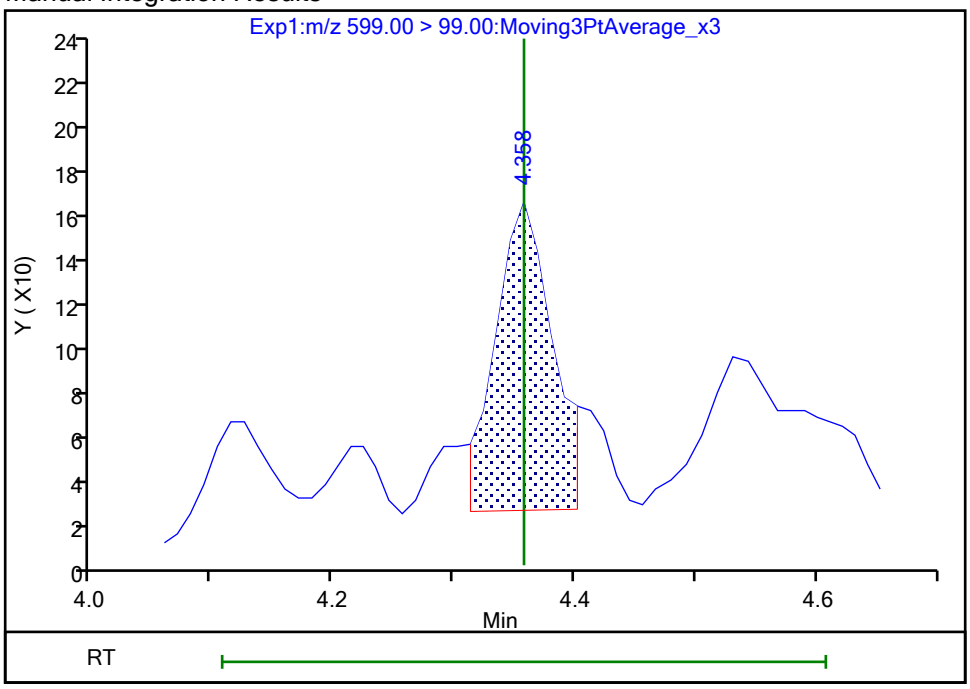
Not Detected
Expected RT: 4.36

Processing Integration Results



Manual Integration Results

RT: 4.36
Area: 442
Amount: 0.004206
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:19:16
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

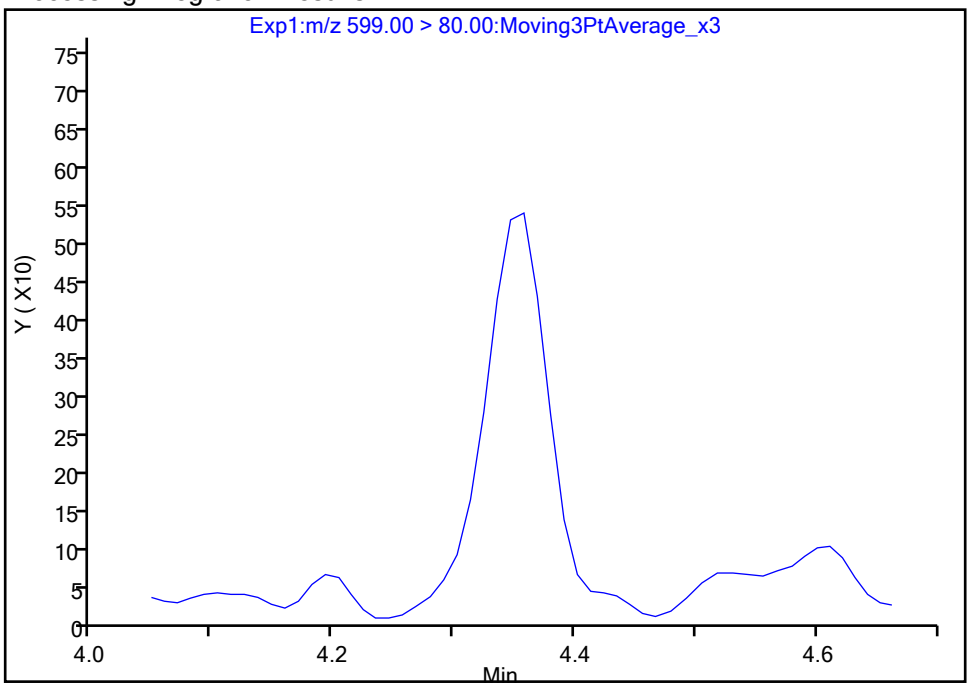
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B02.d				
Injection Date:	03-Mar-2021 19:06:24	Instrument ID:	LC812		
Lims ID:	MB 200-164458/1-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

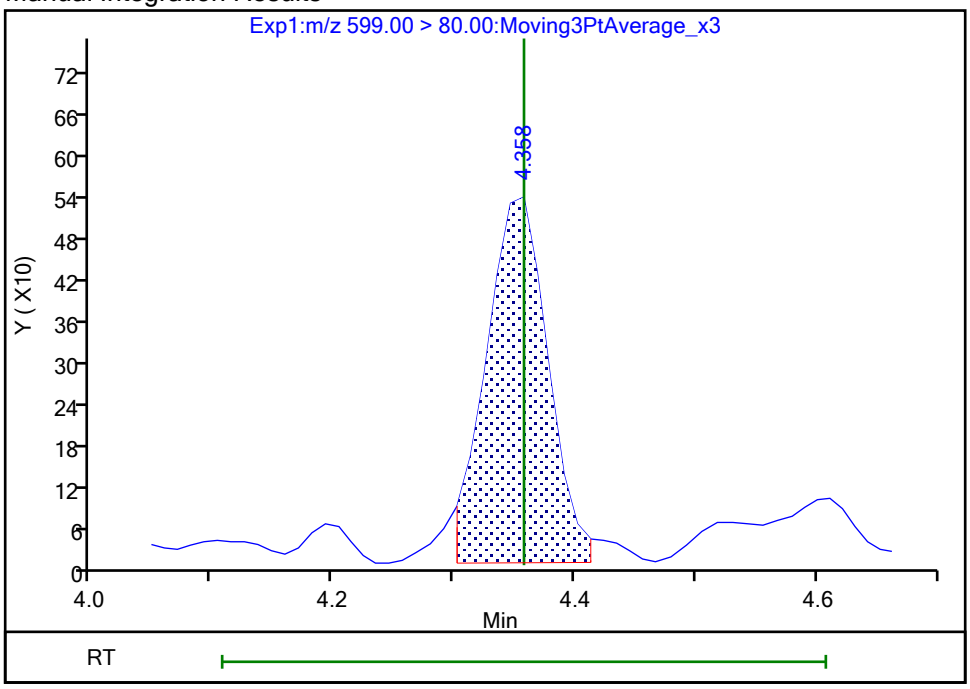
Not Detected
Expected RT: 4.36

Processing Integration Results



Manual Integration Results

RT: 4.36
Area: 1875
Amount: 0.004206
Amount Units: ng/ml



Reviewer: deannd, 04-Mar-2021 09:21:34
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

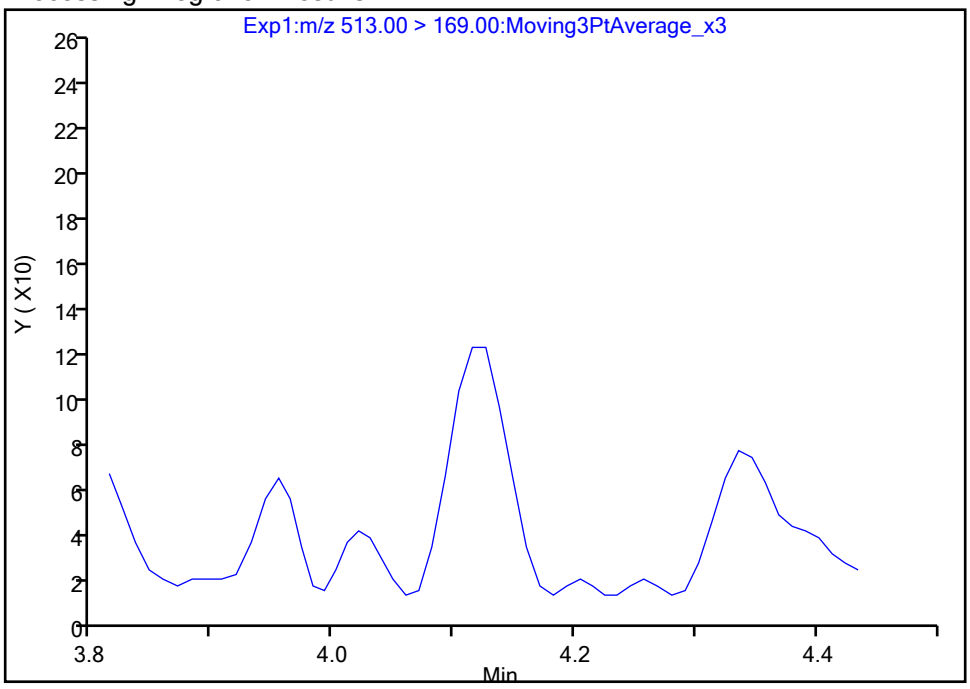
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B02.d				
Injection Date:	03-Mar-2021 19:06:24	Instrument ID:	LC812		
Lims ID:	MB 200-164458/1-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

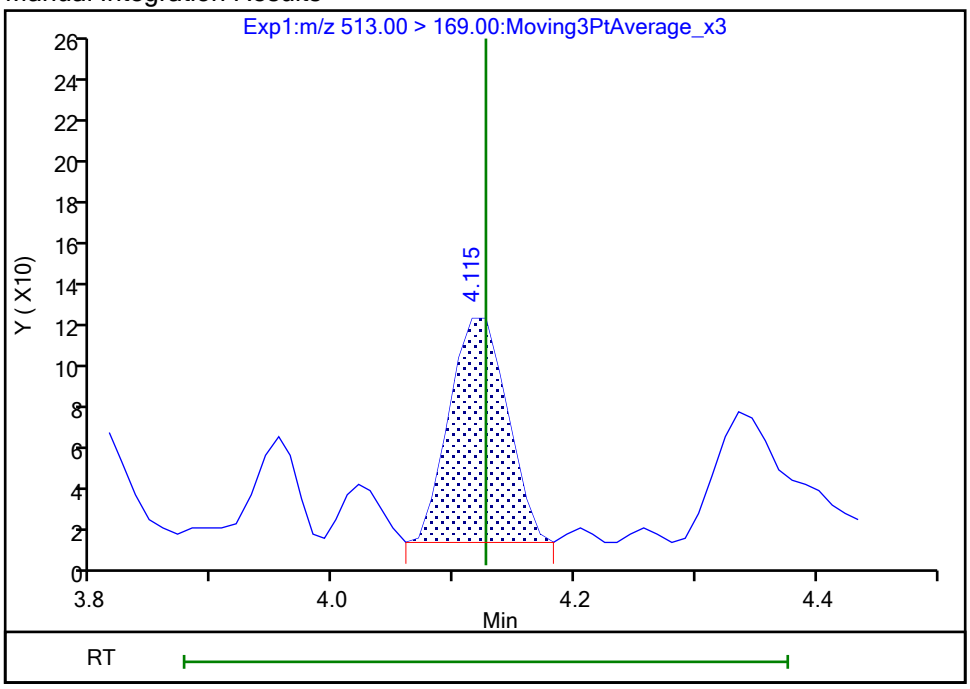
Not Detected
Expected RT: 4.13

Processing Integration Results



Manual Integration Results

RT: 4.11
Area: 360
Amount: 0.004001
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:18:06
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

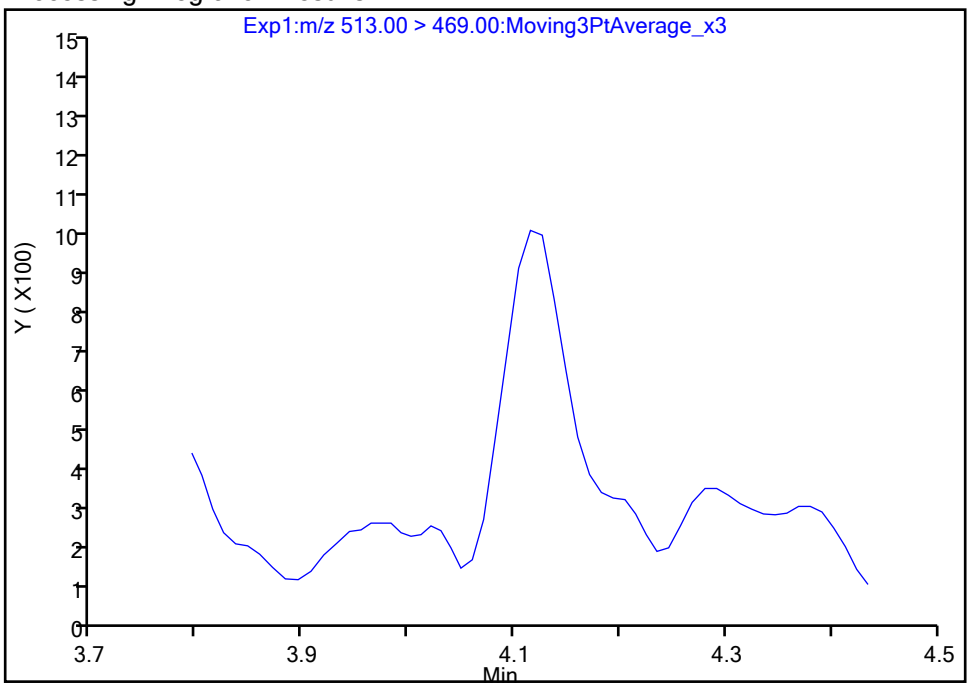
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B02.d				
Injection Date:	03-Mar-2021 19:06:24	Instrument ID:	LC812		
Lims ID:	MB 200-164458/1-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

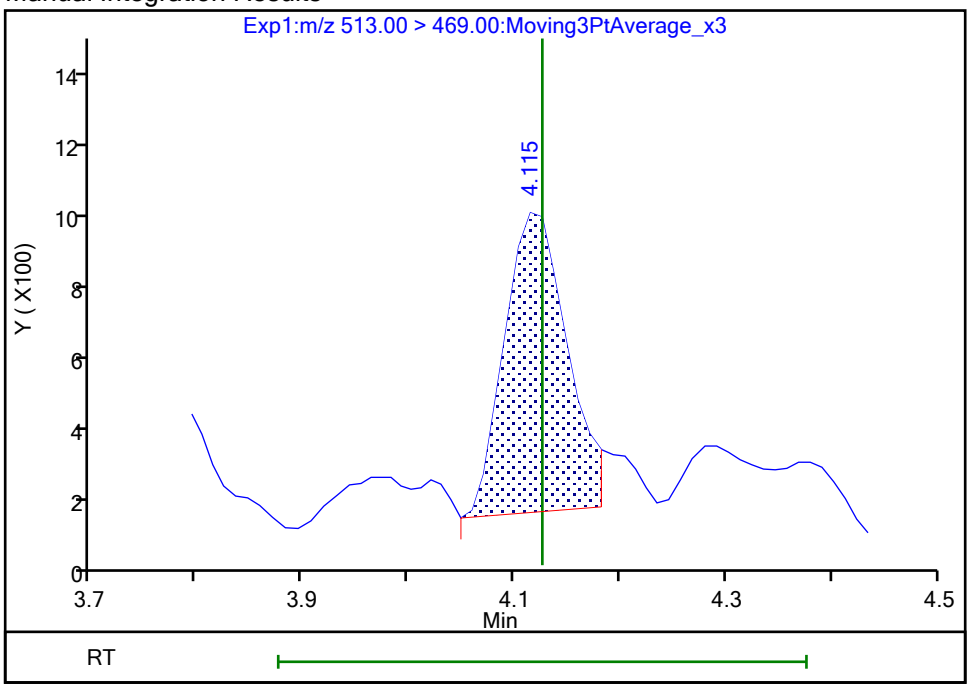
Not Detected
Expected RT: 4.13

Processing Integration Results



Manual Integration Results

RT: 4.11
Area: 3406
Amount: 0.004001
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:18:30
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

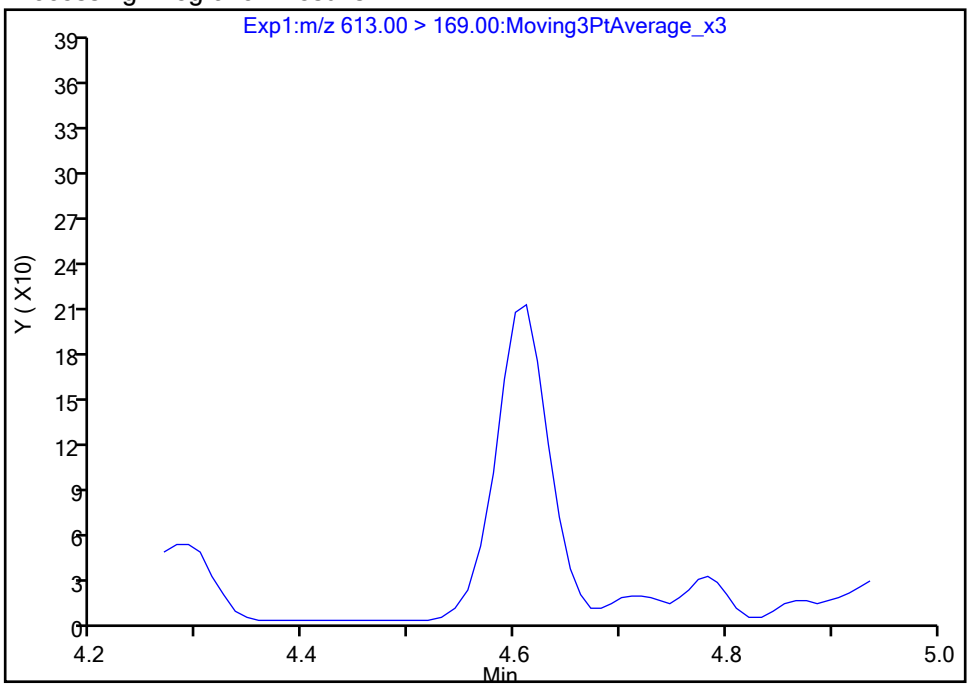
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B02.d				
Injection Date:	03-Mar-2021 19:06:24	Instrument ID:	LC812		
Lims ID:	MB 200-164458/1-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

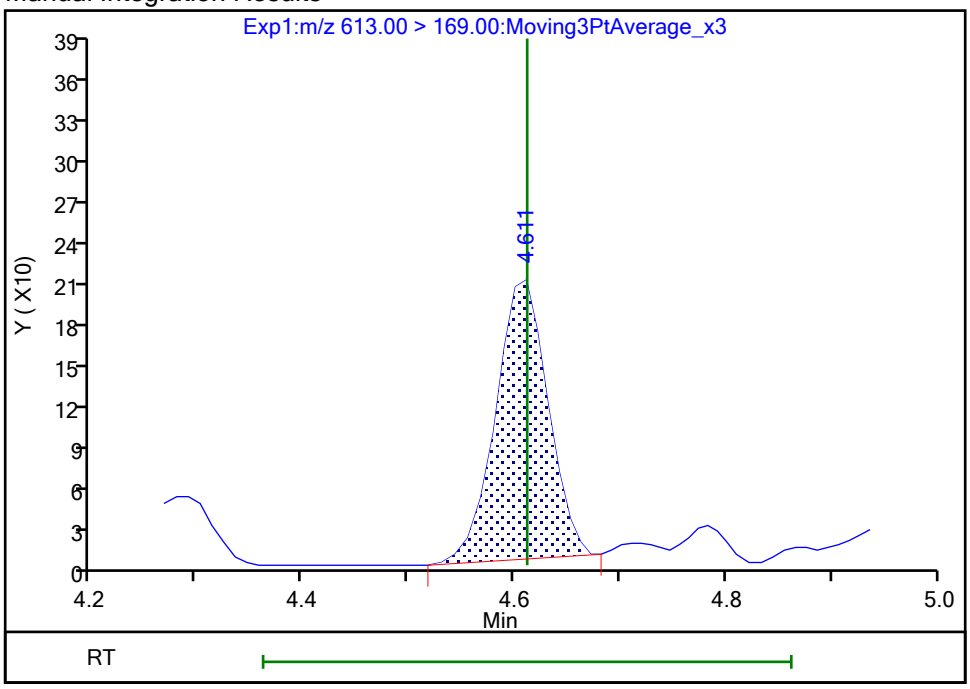
Not Detected
Expected RT: 4.61

Processing Integration Results



Manual Integration Results

RT: 4.61
Area: 698
Amount: 0.006934
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:20:15
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

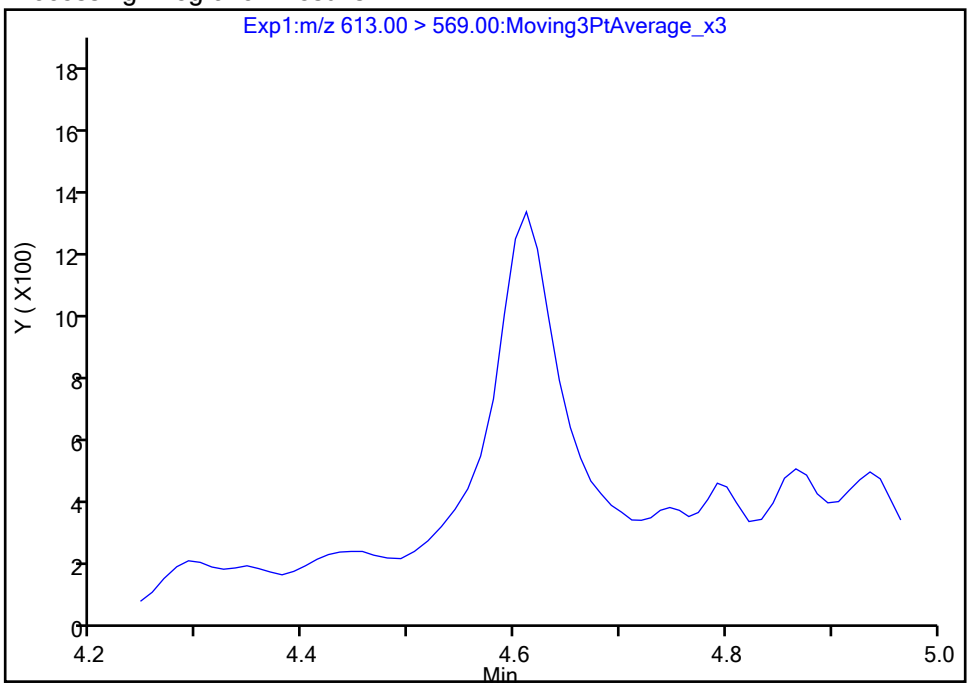
Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B02.d
Injection Date: 03-Mar-2021 19:06:24 Instrument ID: LC812
Lims ID: MB 200-164458/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

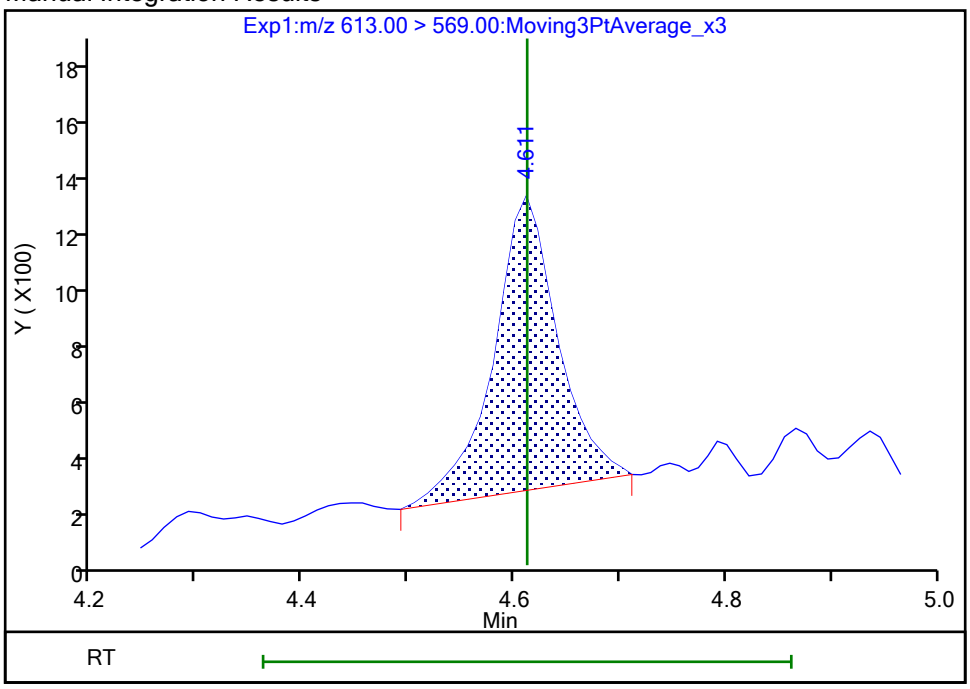
Not Detected
Expected RT: 4.61

Processing Integration Results



Manual Integration Results

RT: 4.61
Area: 4411
Amount: 0.006934
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:20:22
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

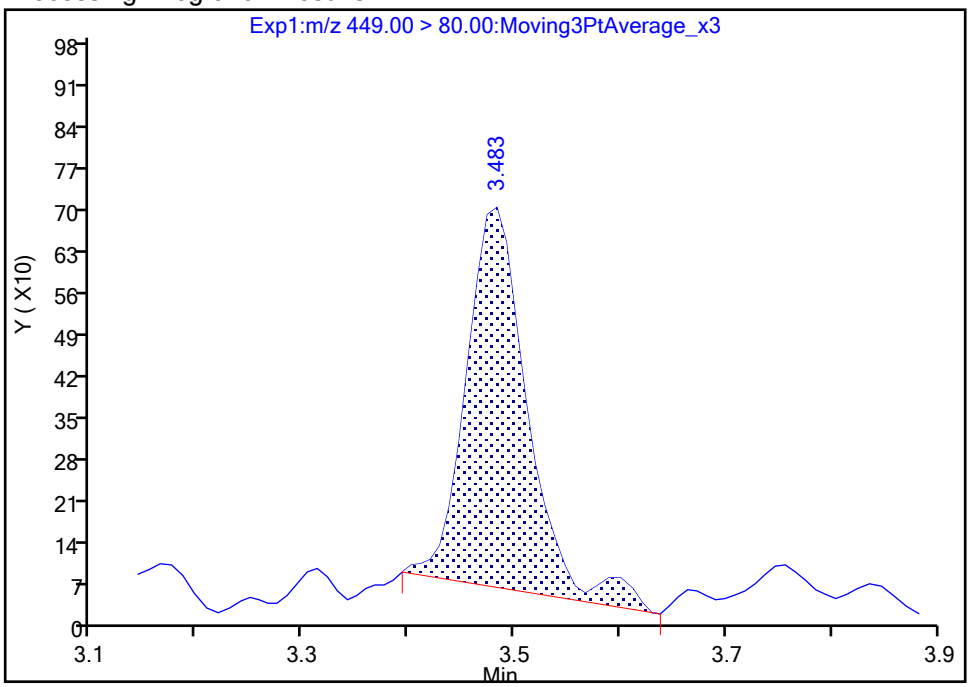
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B02.d				
Injection Date:	03-Mar-2021 19:06:24	Instrument ID:	LC812		
Lims ID:	MB 200-164458/1-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

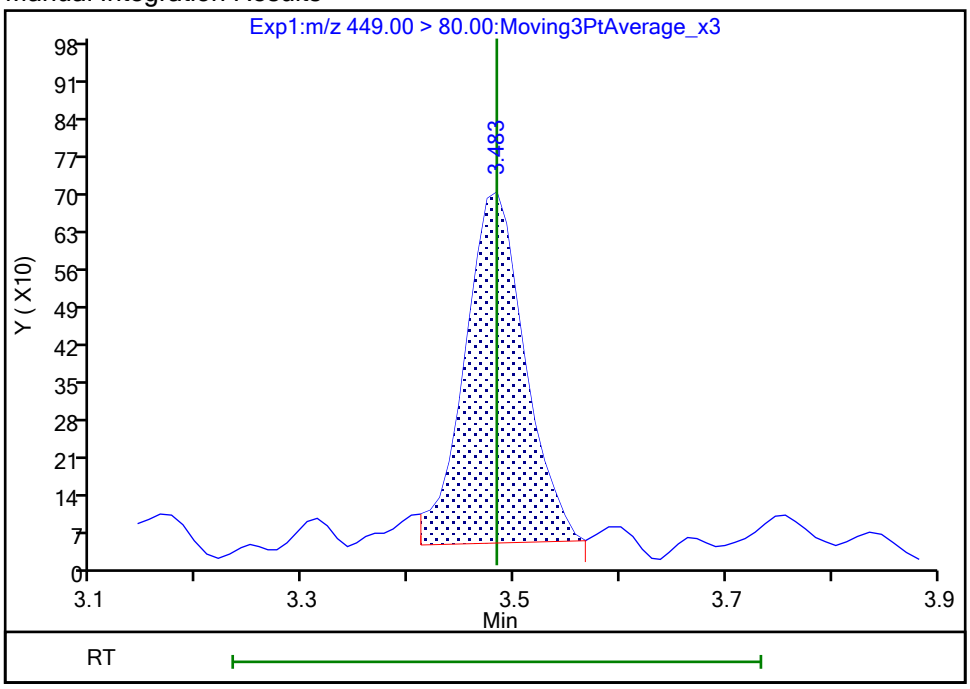
Processing Integration Results

RT: 3.48
Area: 2609
Amount: 0.002965
Amount Units: ng/ml



Manual Integration Results

RT: 3.48
Area: 2591
Amount: 0.002945
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:15:47

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

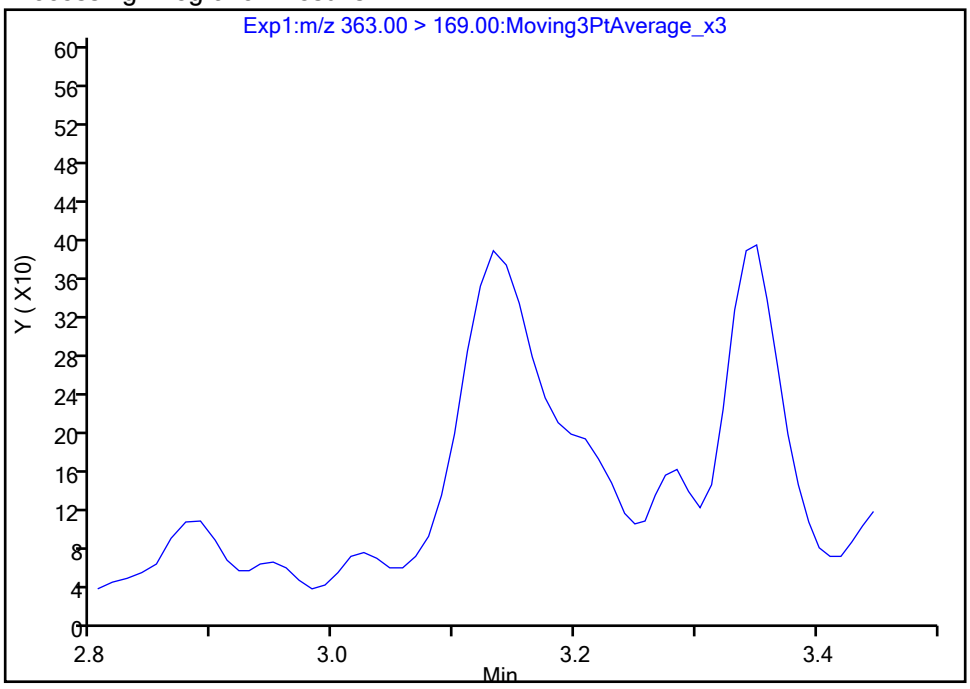
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B02.d				
Injection Date:	03-Mar-2021 19:06:24	Instrument ID:	LC812		
Lims ID:	MB 200-164458/1-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

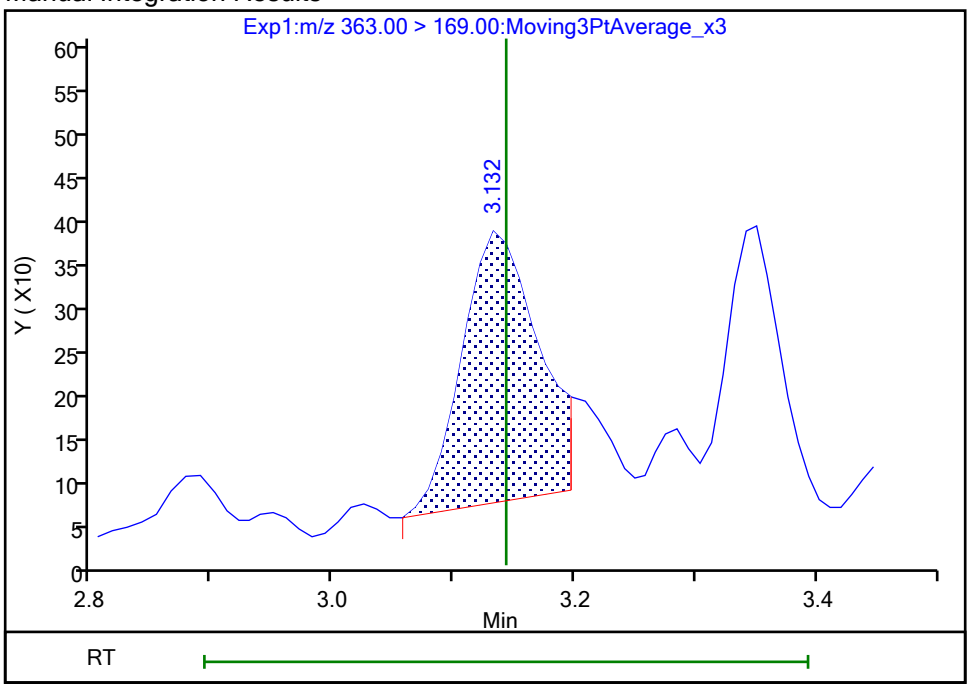
Not Detected
Expected RT: 3.14

Processing Integration Results



Manual Integration Results

RT: 3.13
Area: 1367
Amount: 0.002908
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:15:12
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

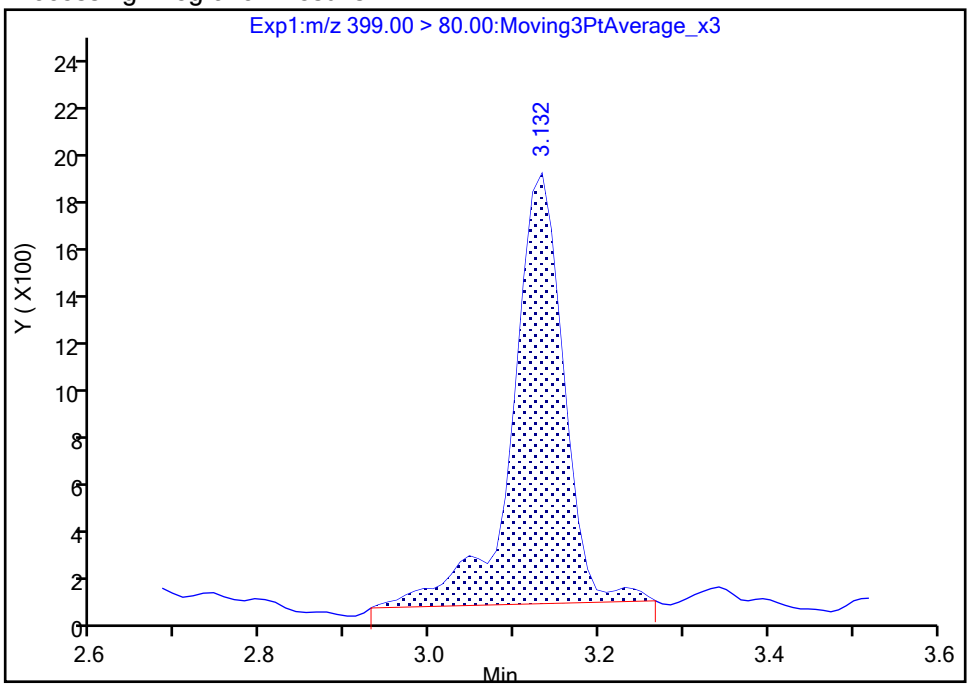
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B02.d				
Injection Date:	03-Mar-2021 19:06:24	Instrument ID:	LC812		
Lims ID:	MB 200-164458/1-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

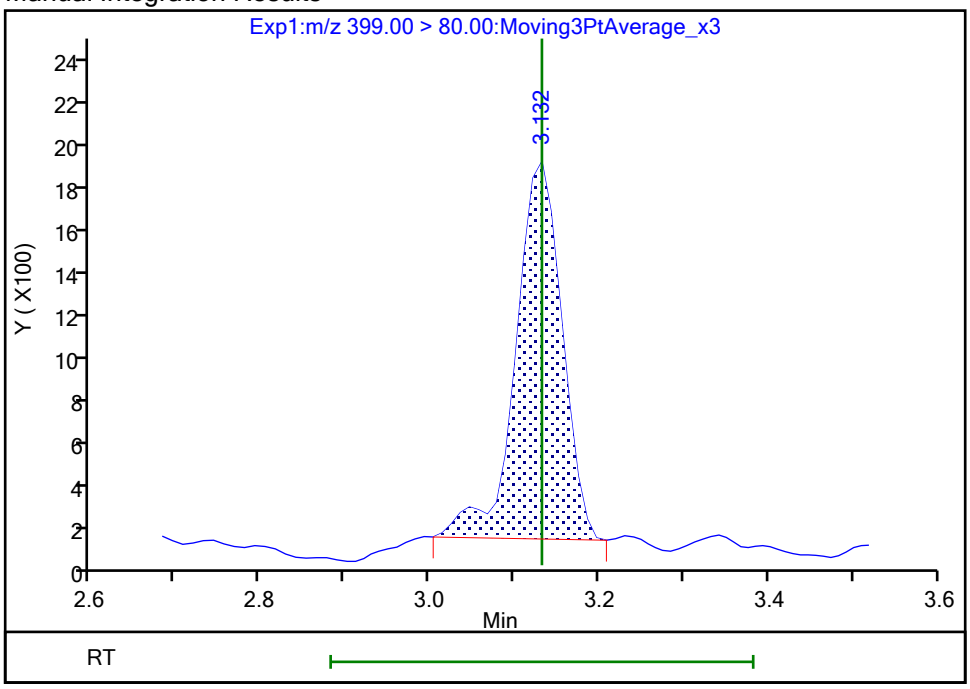
Processing Integration Results

RT: 3.13
Area: 7664
Amount: 0.006905
Amount Units: ng/ml



Manual Integration Results

RT: 3.13
Area: 6652
Amount: 0.005994
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:14:54

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

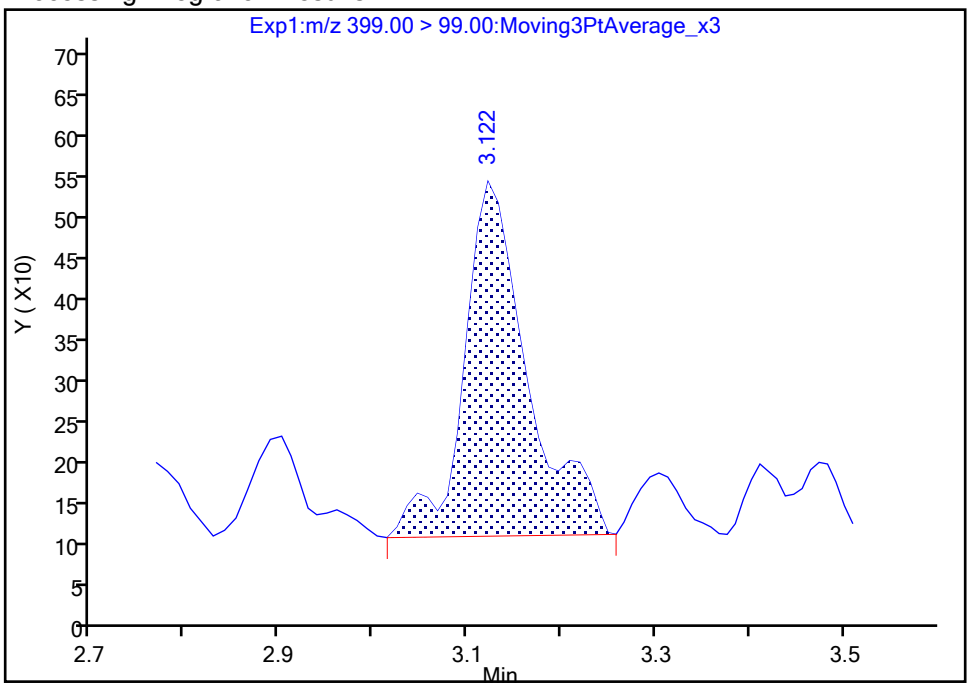
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B02.d				
Injection Date:	03-Mar-2021 19:06:24	Instrument ID:	LC812		
Lims ID:	MB 200-164458/1-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

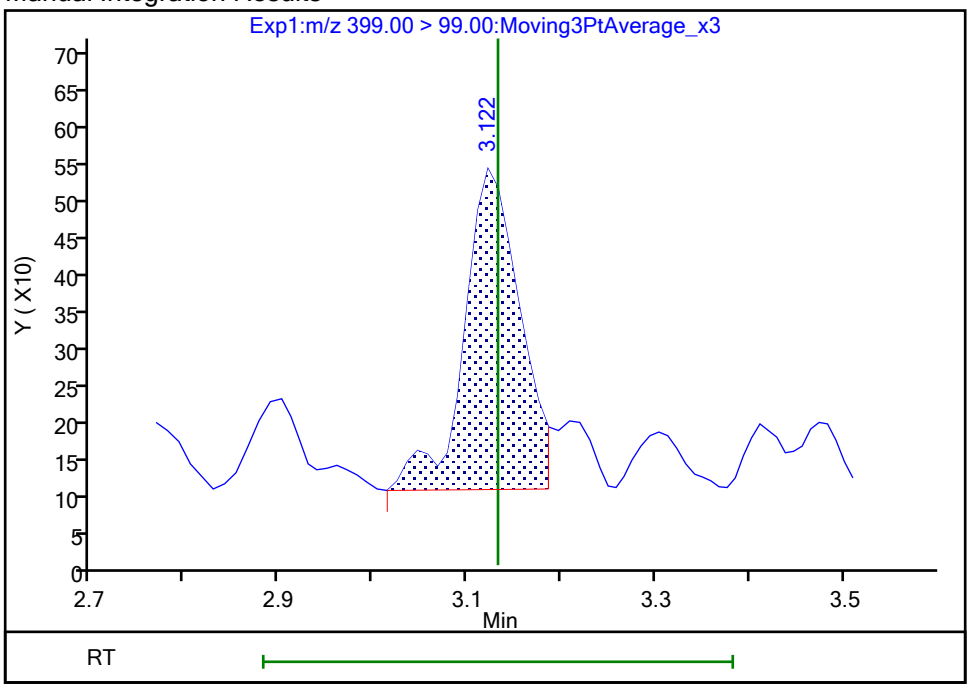
Processing Integration Results

RT: 3.12
Area: 2041
Amount: 0.006905
Amount Units: ng/ml



Manual Integration Results

RT: 3.12
Area: 1788
Amount: 0.005994
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:15:00
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

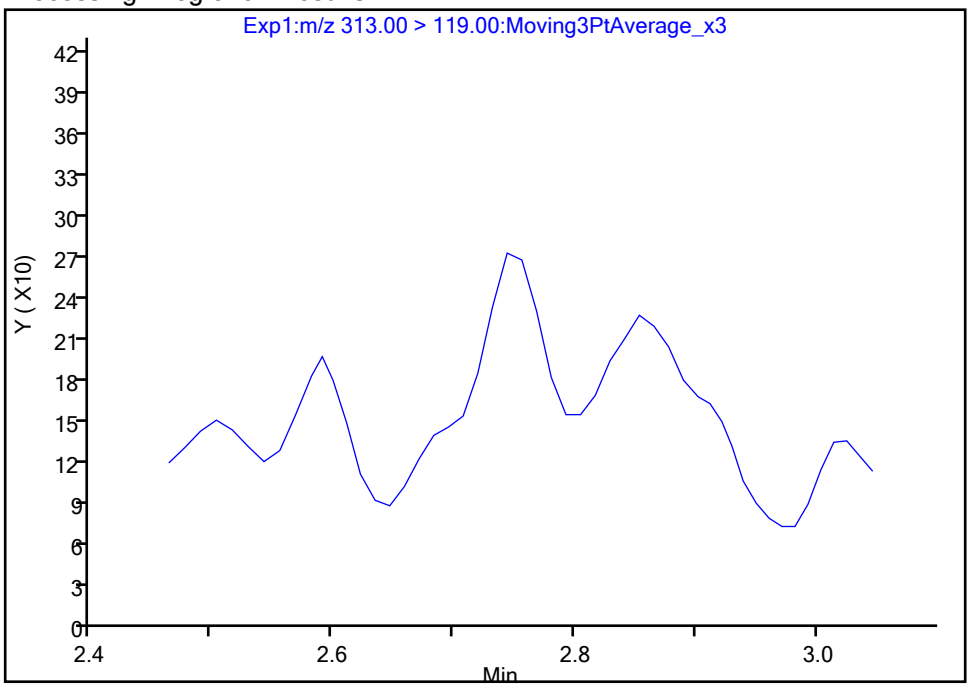
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Lims ID:	MB 200-164458/1-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

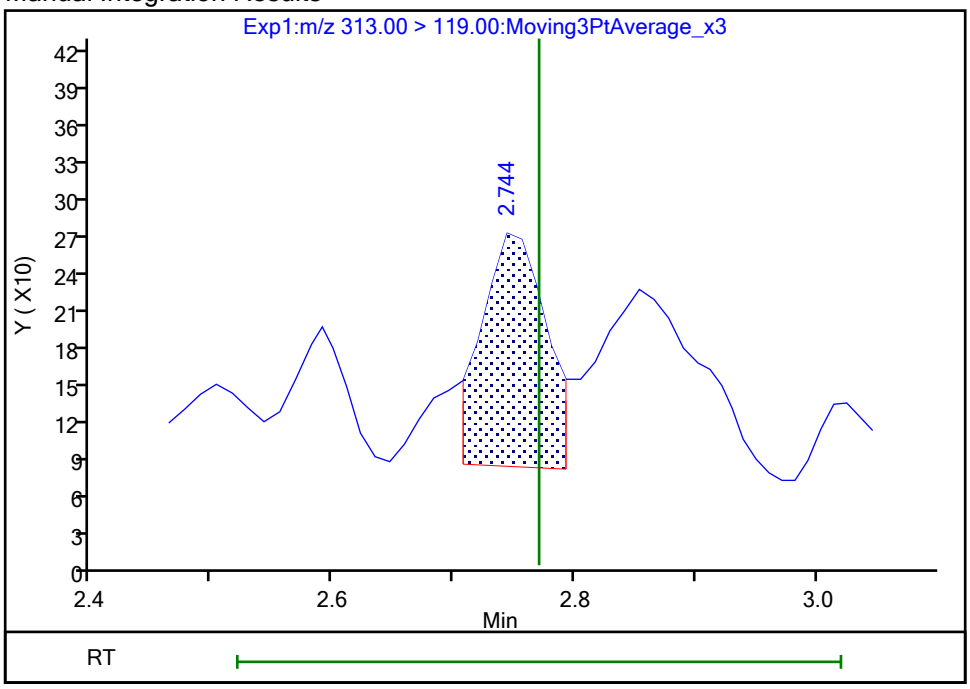
Not Detected
Expected RT: 2.77

Processing Integration Results



Manual Integration Results

RT: 2.74
Area: 677
Amount: 0.004868
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:14:23
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

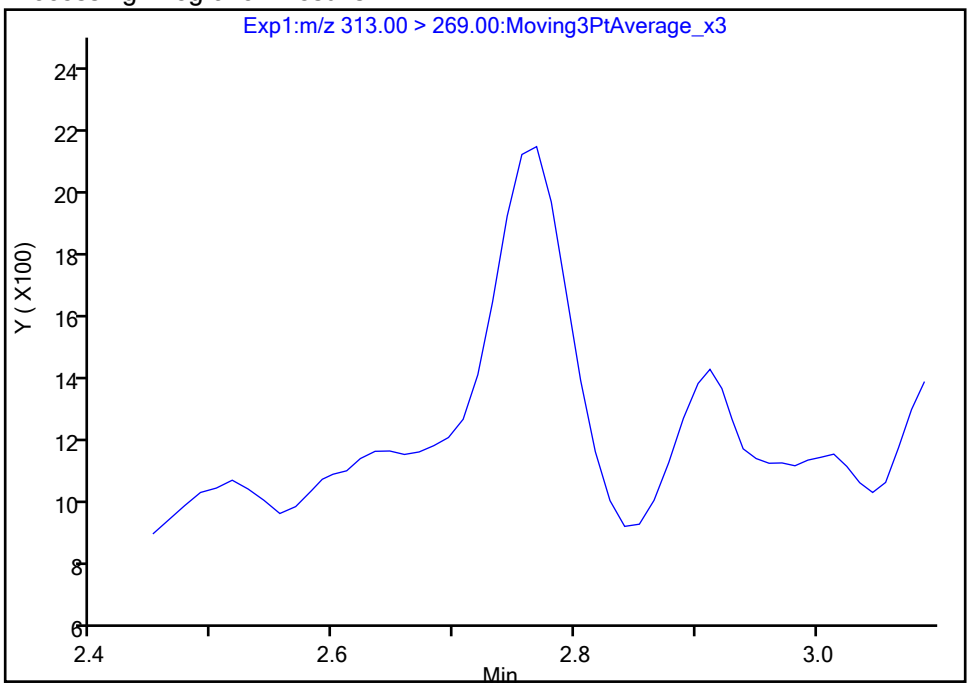
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Injection Date:	03-Mar-2021 19:06:24	Instrument ID:	LC812		
Lims ID:	MB 200-164458/1-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

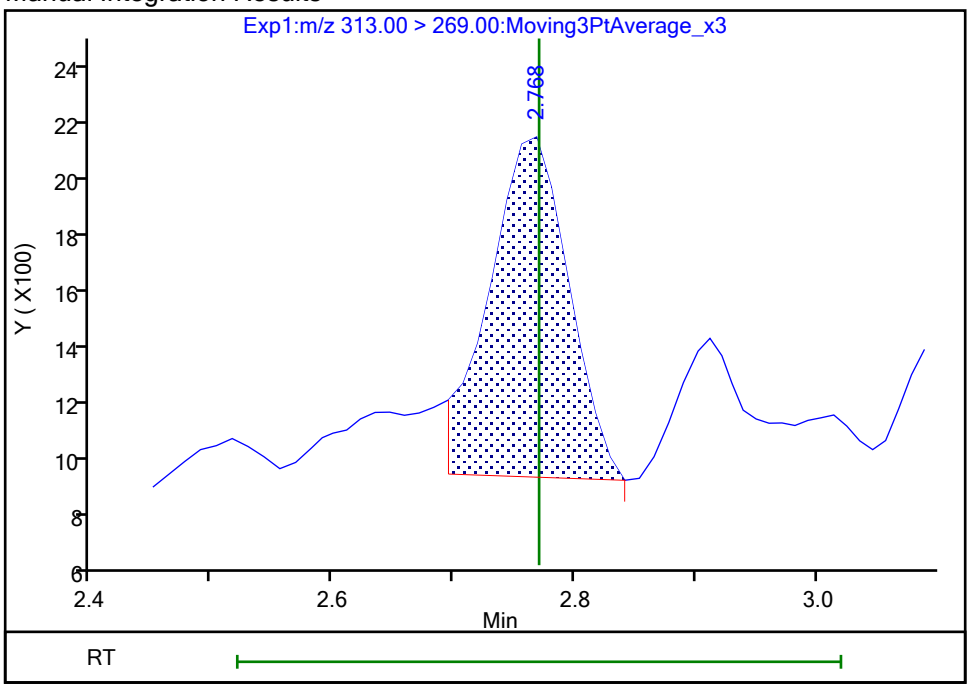
Not Detected
Expected RT: 2.77

Processing Integration Results



Manual Integration Results

RT: 2.77
Area: 5470
Amount: 0.004868
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:14:26
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

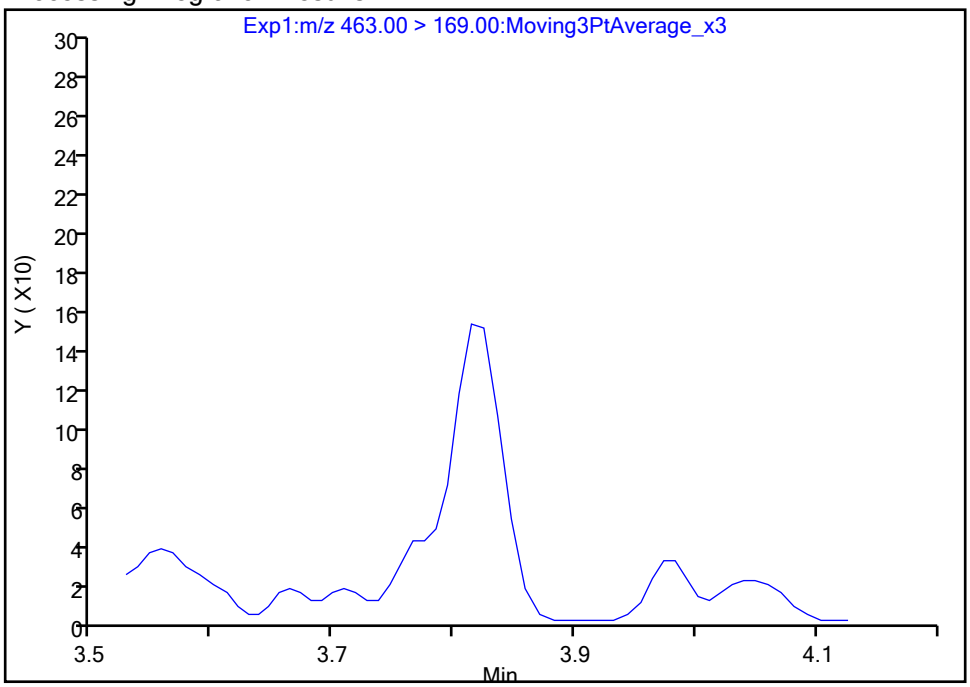
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Injection Date:	03-Mar-2021 19:06:24	Instrument ID:	LC812		
Lims ID:	MB 200-164458/1-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

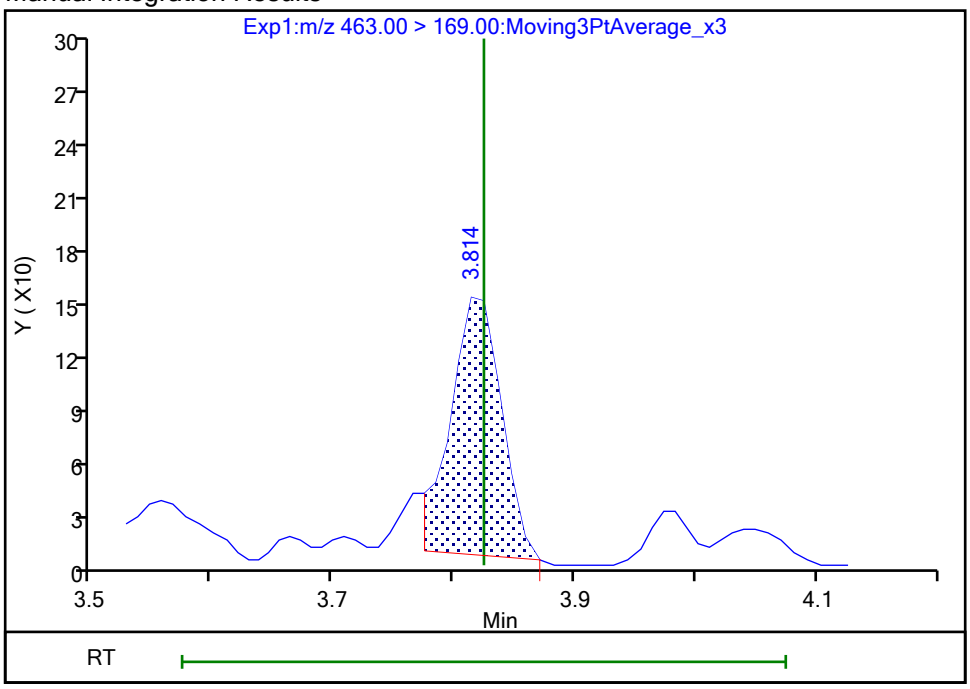
Not Detected
Expected RT: 3.82

Processing Integration Results



Manual Integration Results

RT: 3.81
Area: 417
Amount: 0.005177
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:17:22
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

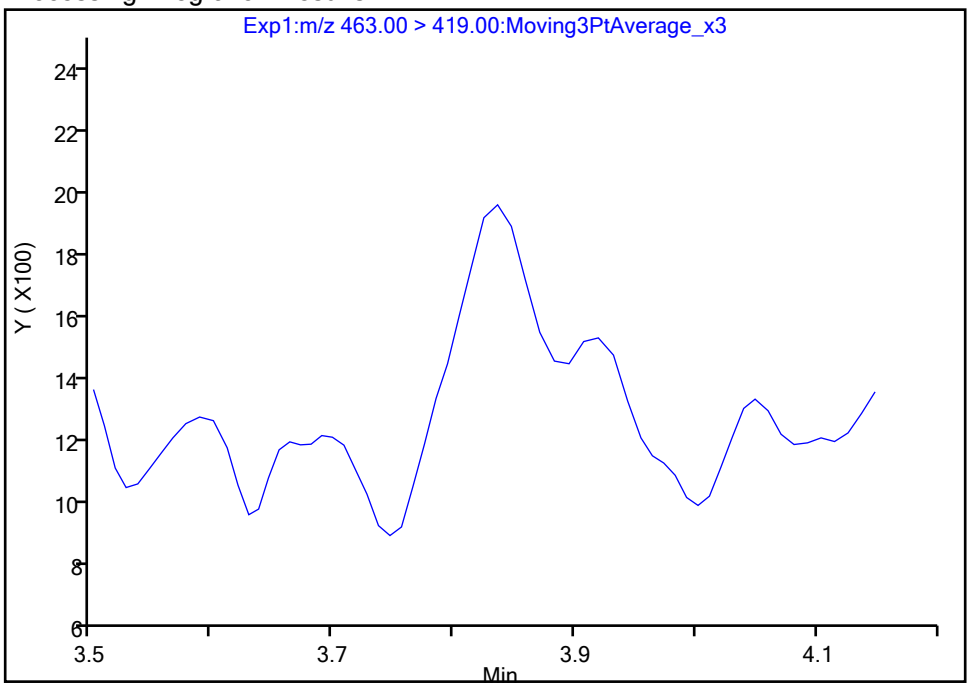
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Injection Date:	03-Mar-2021 19:06:24	Instrument ID:	LC812		
Lims ID:	MB 200-164458/1-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

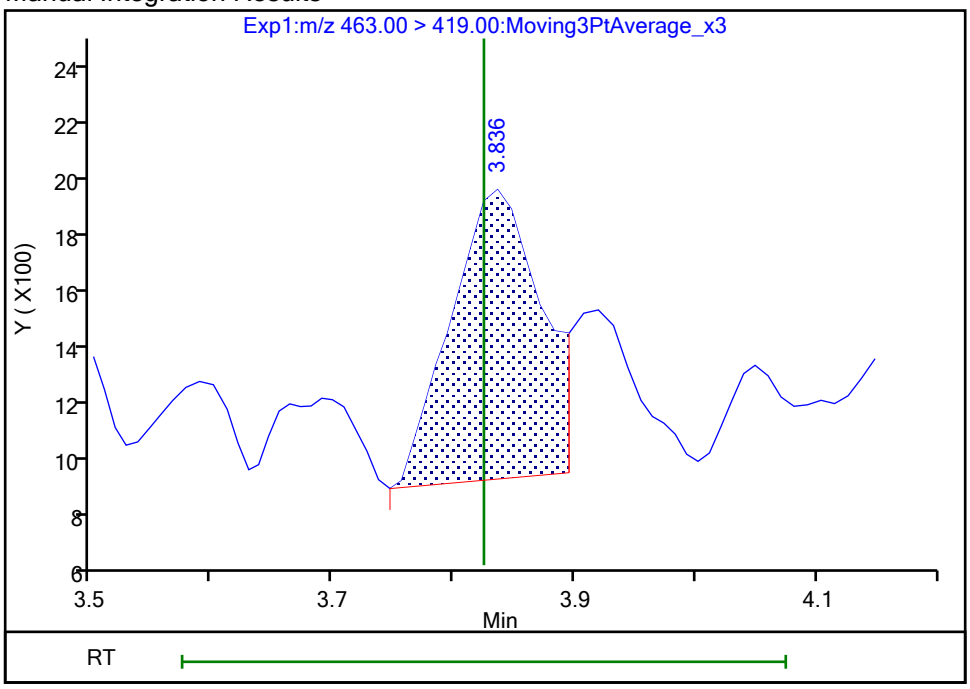
Not Detected
Expected RT: 3.82

Processing Integration Results



Manual Integration Results

RT: 3.84
Area: 4960
Amount: 0.005177
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:17:27
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

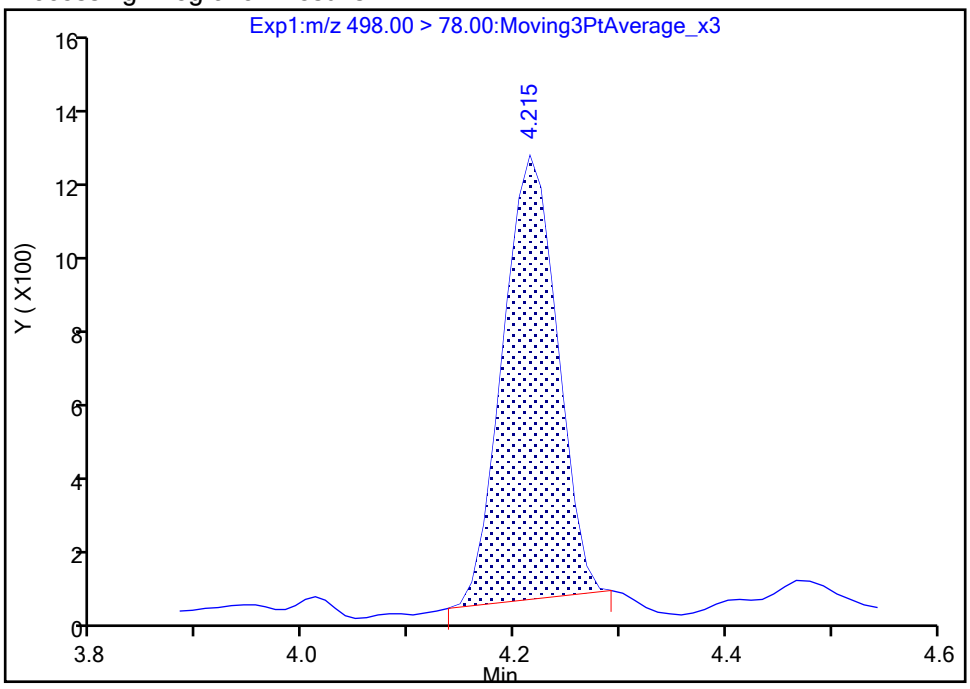
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B02.d				
Injection Date:	03-Mar-2021 19:06:24	Instrument ID:	LC812		
Lims ID:	MB 200-164458/1-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

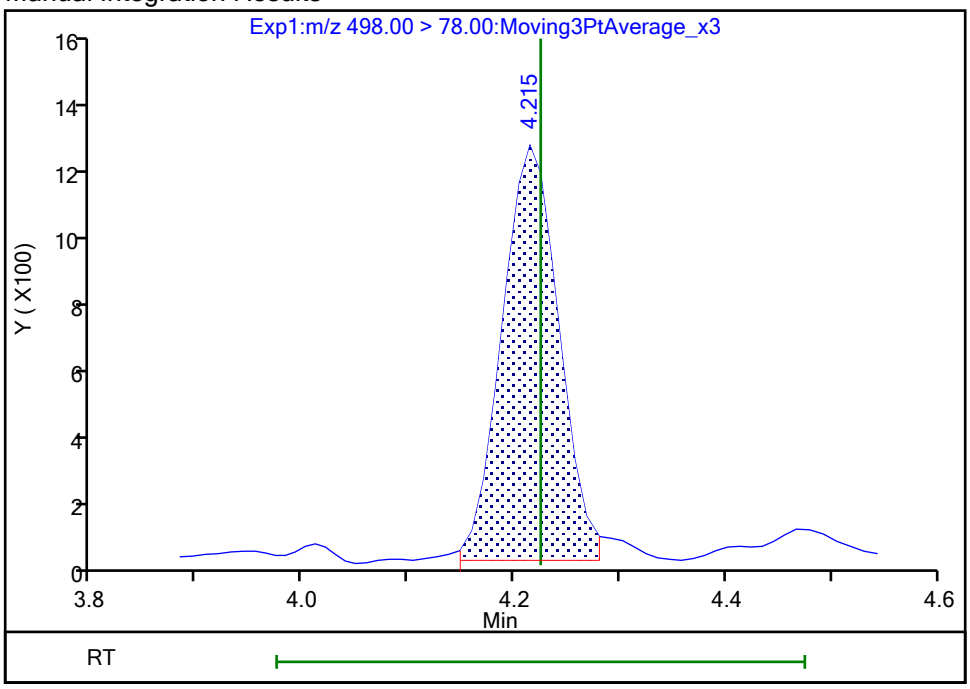
Processing Integration Results

RT: 4.21
Area: 4087
Amount: 0.004318
Amount Units: ng/ml



Manual Integration Results

RT: 4.21
Area: 4397
Amount: 0.004646
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:18:59

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

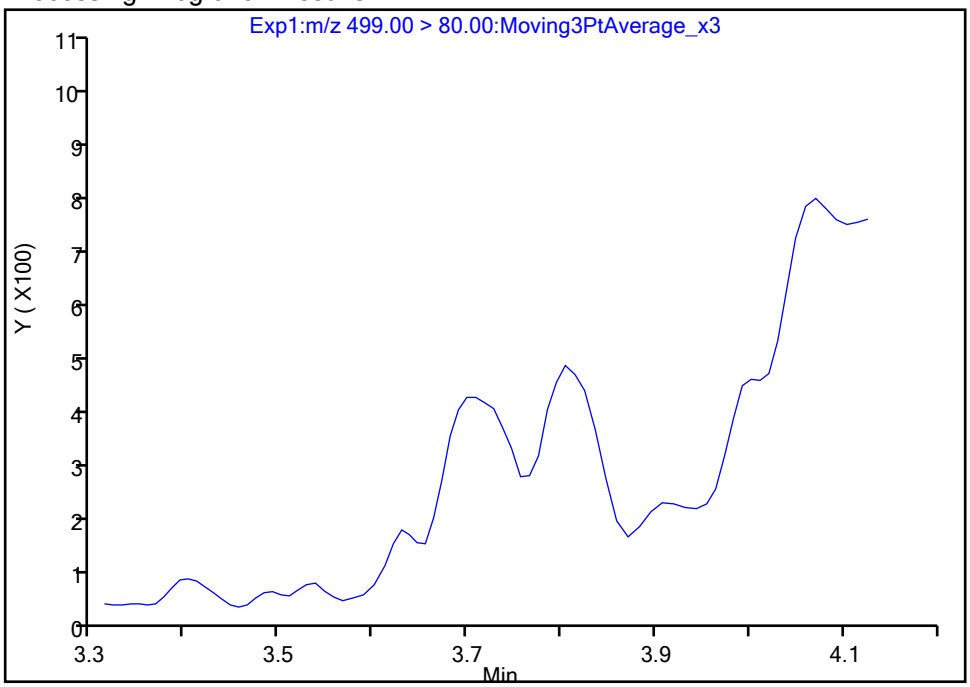
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Injection Date:	03-Mar-2021 19:06:24	Instrument ID:	LC812		
Lims ID:	MB 200-164458/1-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

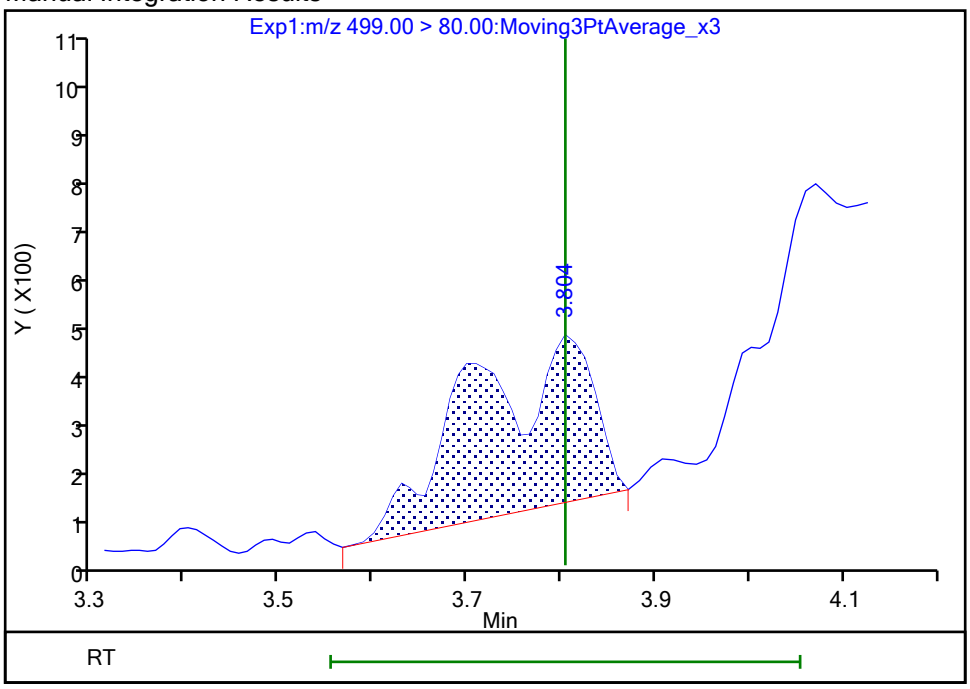
Not Detected
Expected RT: 3.80

Processing Integration Results



Manual Integration Results

RT: 3.80
Area: 3201
Amount: 0.004271
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:16:22
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

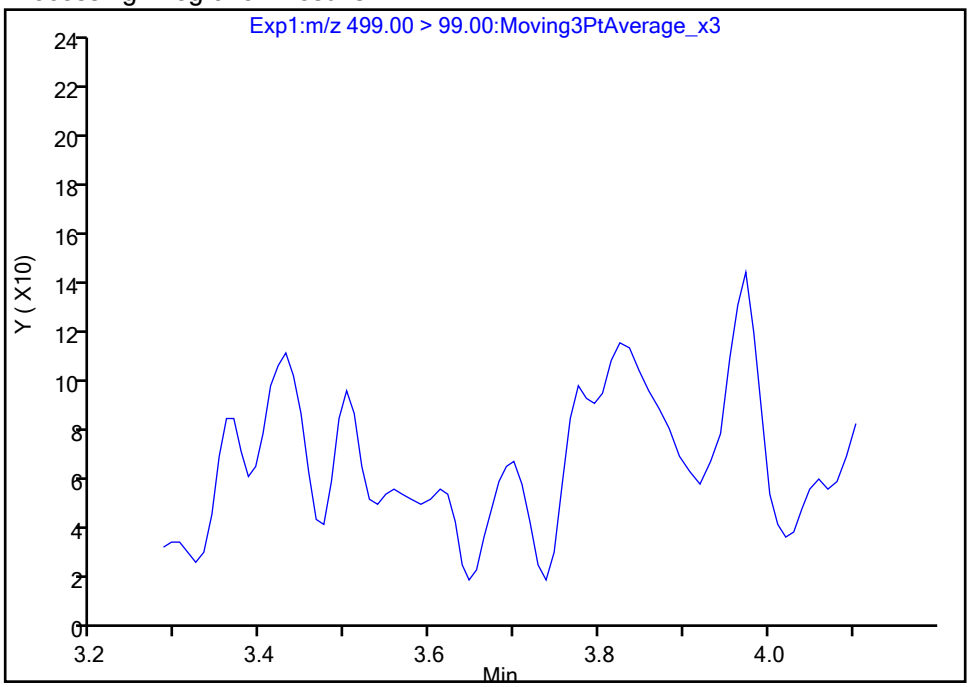
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Injection Date:	03-Mar-2021 19:06:24	Instrument ID:	LC812		
Lims ID:	MB 200-164458/1-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

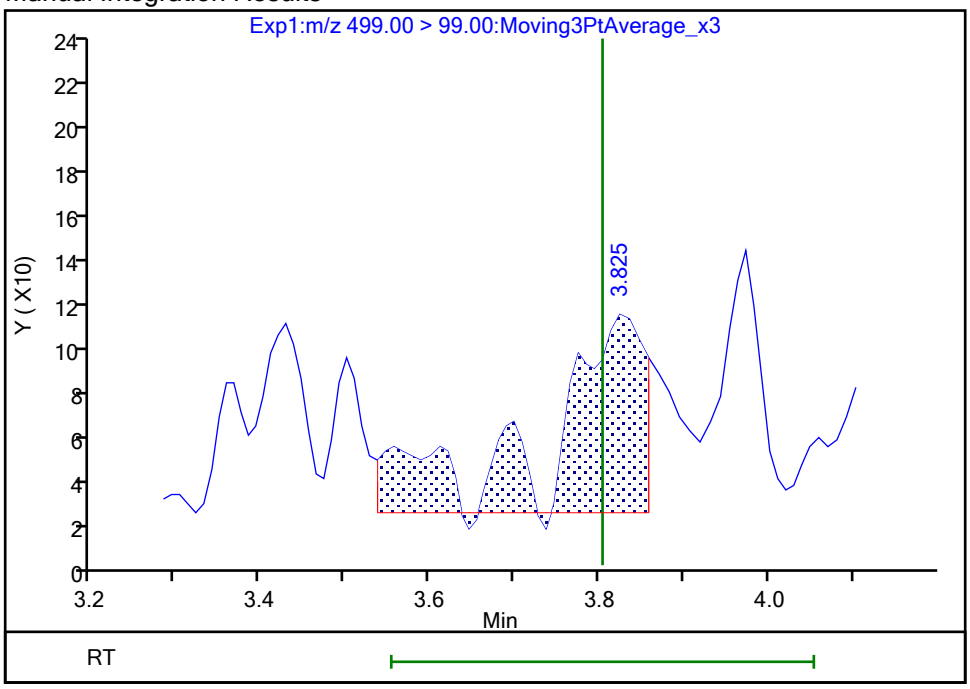
Not Detected
Expected RT: 3.80

Processing Integration Results



Manual Integration Results

RT: 3.82
Area: 683
Amount: 0.004271
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:16:51
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

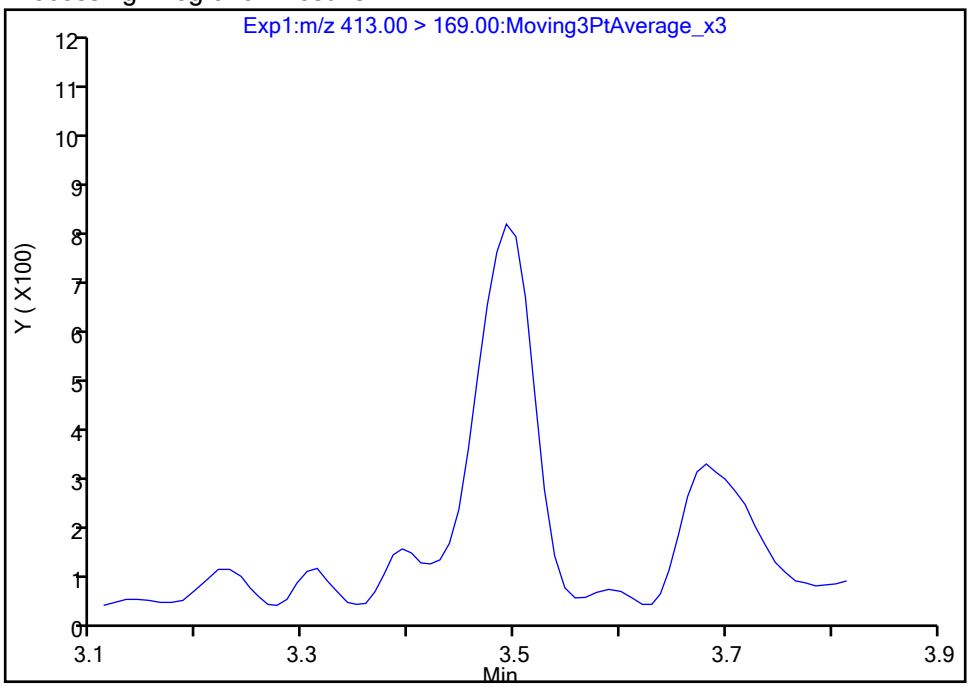
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B02.d				
Injection Date:	03-Mar-2021 19:06:24	Instrument ID:	LC812		
Lims ID:	MB 200-164458/1-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

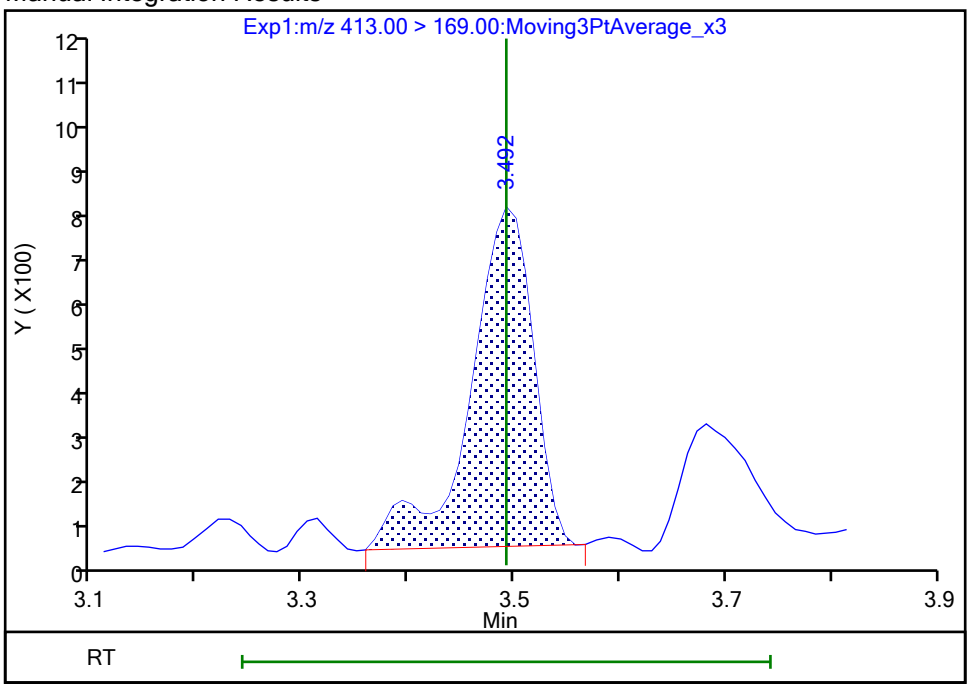
Not Detected
Expected RT: 3.49

Processing Integration Results



Manual Integration Results

RT: 3.49
Area: 3115
Amount: 0.006464
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:16:10
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

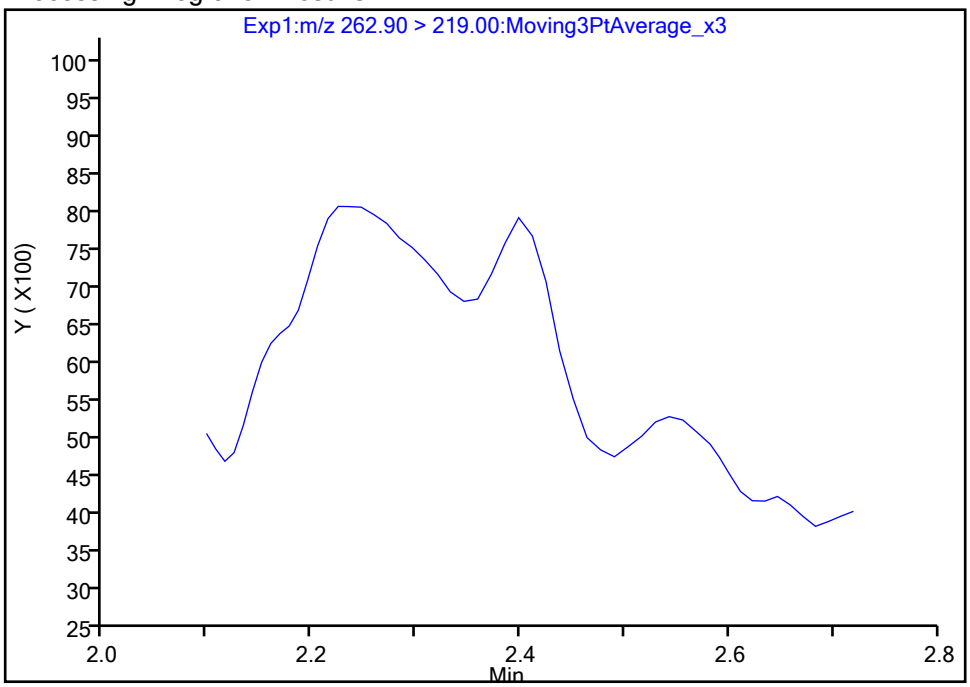
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B02.d				
Injection Date:	03-Mar-2021 19:06:24	Instrument ID:	LC812		
Lims ID:	MB 200-164458/1-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

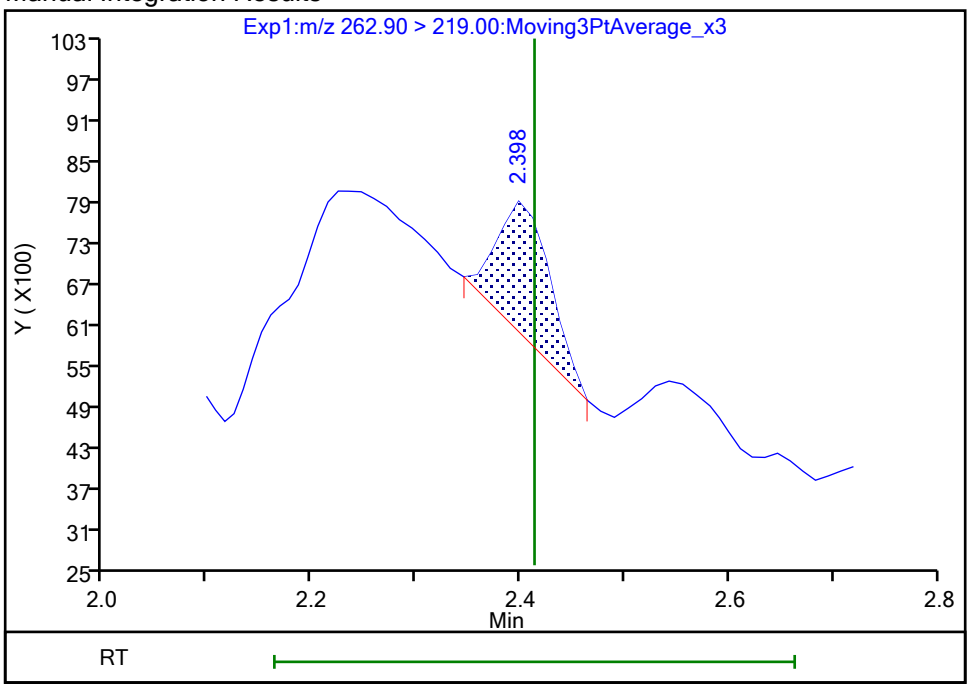
Not Detected
Expected RT: 2.41

Processing Integration Results



Manual Integration Results

RT: 2.40
Area: 6803
Amount: 0.006010
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:13:45
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

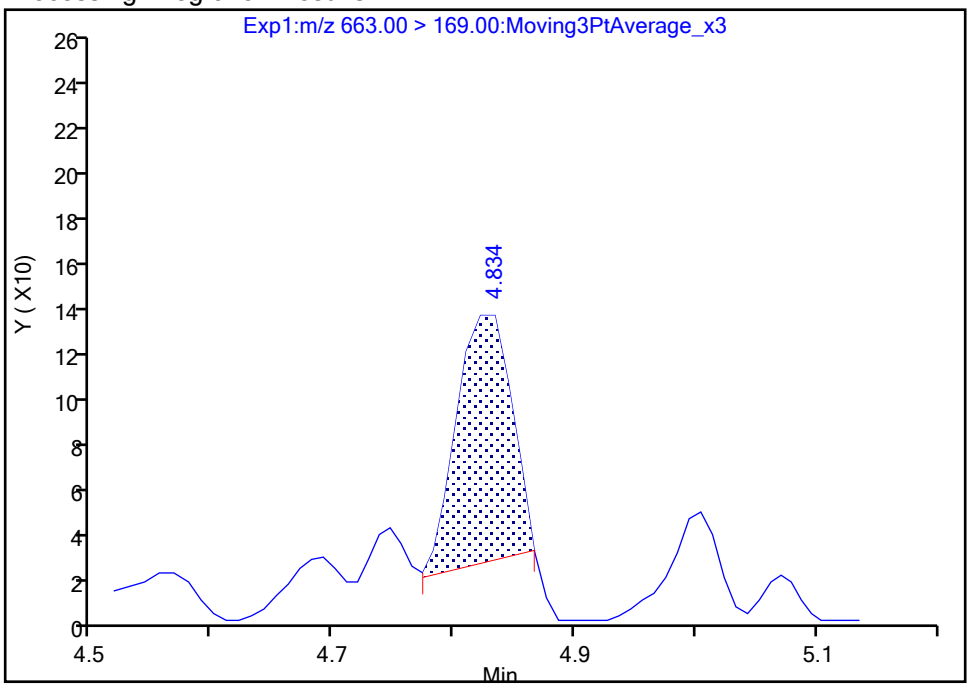
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B02.d				
Injection Date:	03-Mar-2021 19:06:24	Instrument ID:	LC812		
Lims ID:	MB 200-164458/1-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

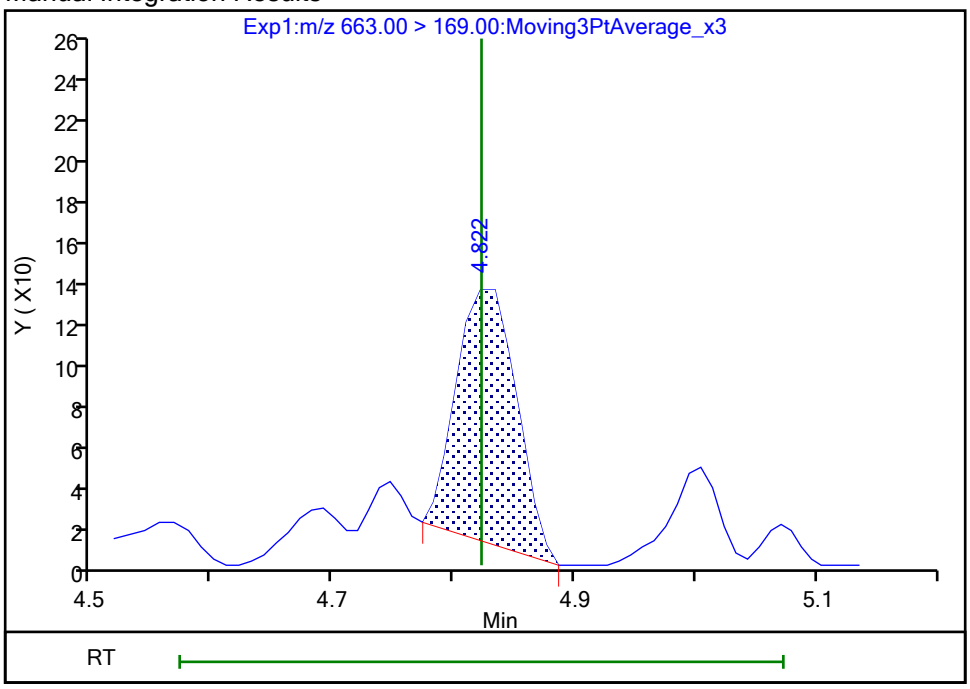
Processing Integration Results

RT: 4.83
Area: 347
Amount: 0.004155
Amount Units: ng/ml



Manual Integration Results

RT: 4.82
Area: 430
Amount: 0.004155
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:20:49

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

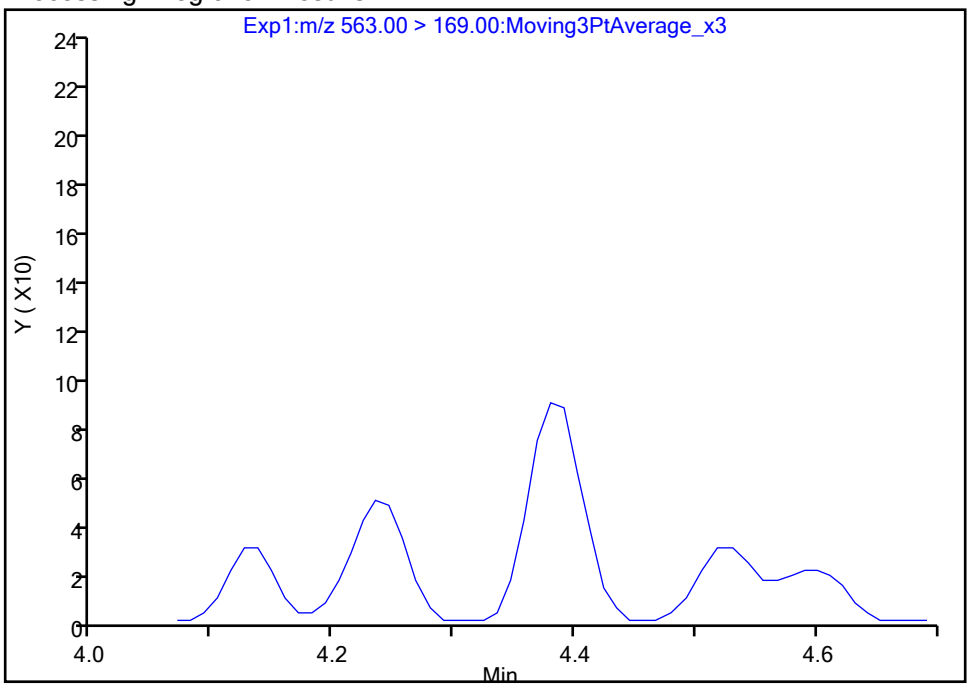
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Injection Date:	03-Mar-2021 19:06:24	Instrument ID:	LC812		
Lims ID:	MB 200-164458/1-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

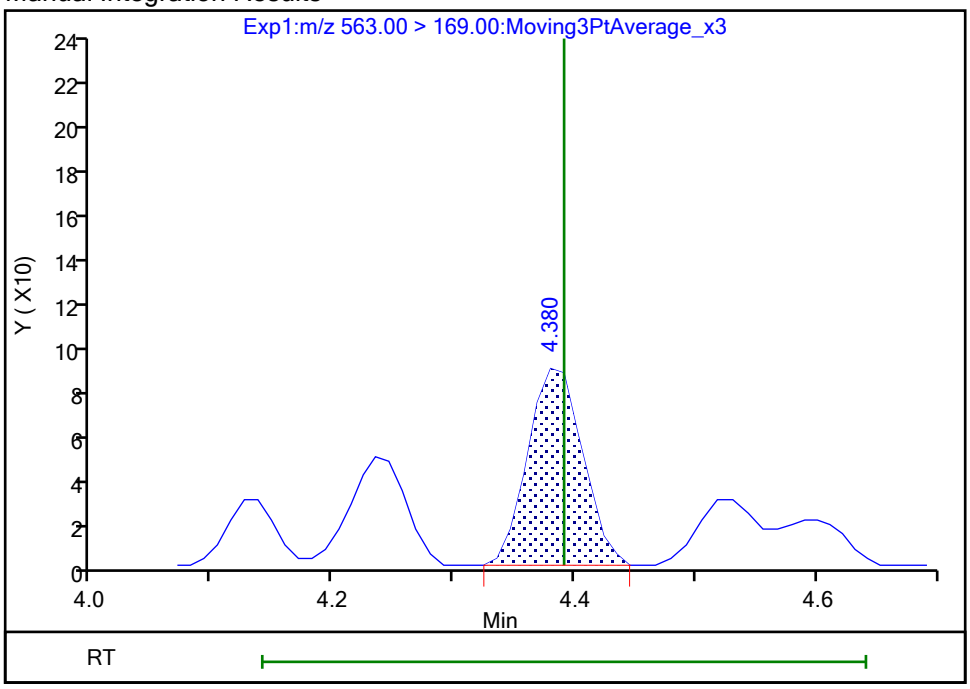
Not Detected
Expected RT: 4.39

Processing Integration Results



Manual Integration Results

RT: 4.38
Area: 274
Amount: 0.004938
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:19:38
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

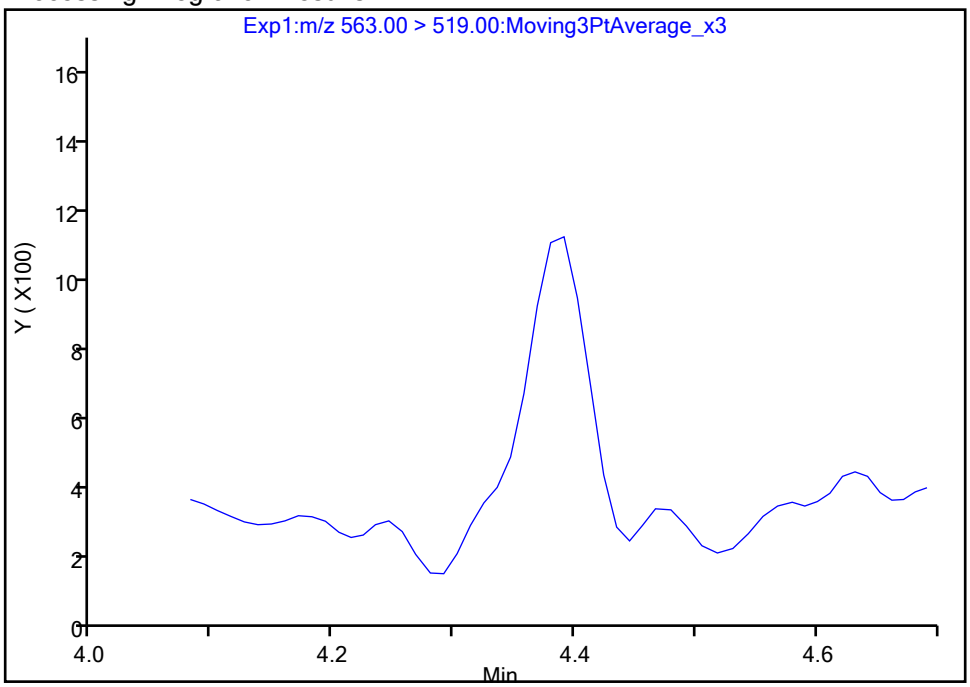
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B02.d				
Injection Date:	03-Mar-2021 19:06:24	Instrument ID:	LC812		
Lims ID:	MB 200-164458/1-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

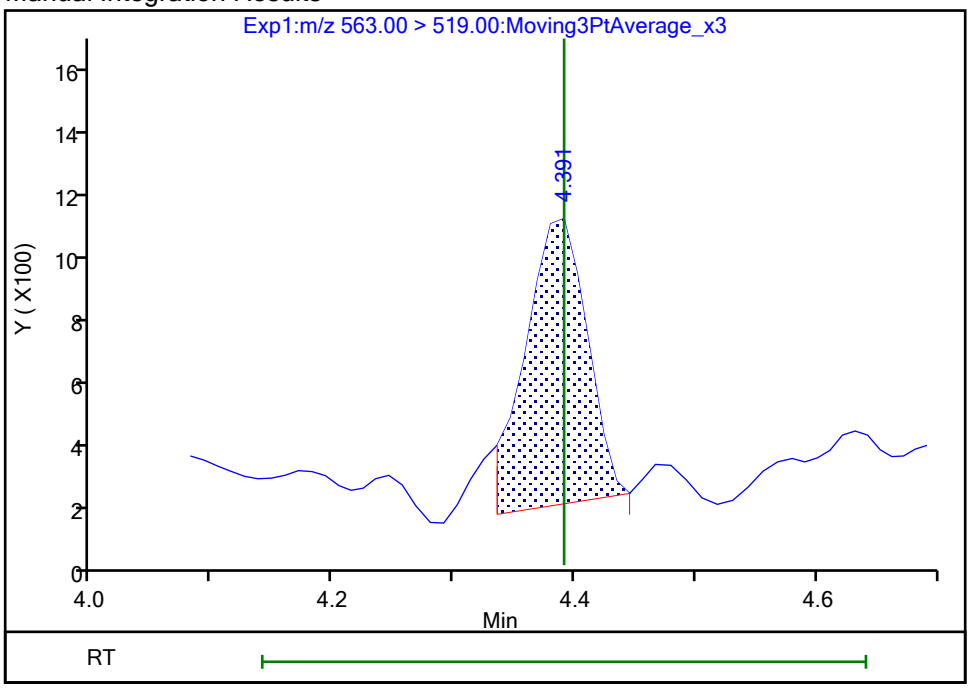
Not Detected
Expected RT: 4.39

Processing Integration Results



Manual Integration Results

RT: 4.39
Area: 3235
Amount: 0.004938
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:19:52
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Client Sample ID: Lab Sample ID: ICB 200-162365/14

Matrix: Water Lab File ID: PA201222ICAL014.d

Analysis Method: 537 (modified) Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 12/22/2020 13:37

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 162365 Units: ng/mL

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
39108-34-4	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		0.050	0.017
27619-97-2	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		0.13	0.018
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.13	0.023
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.13	0.020
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		0.050	0.016
375-22-4	Perfluorobutanoic acid (PFBA)	ND		0.13	0.028
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		0.050	0.012
335-76-2	Perfluorodecanoic acid (PFDA)	ND		0.050	0.012
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		0.050	0.012
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.050	0.0097
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		0.050	0.012
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		0.050	0.017
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		0.050	0.021
375-95-1	Perfluorononanoic acid (PFNA)	ND		0.050	0.015
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND		0.050	0.014
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		0.050	0.022
335-67-1	Perfluorooctanoic acid (PFOA)	ND		0.050	0.024
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		0.050	0.027
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		0.050	0.015
72629-94-8	Perfluorotridecanoic acid (PFTriA)	ND		0.050	0.011
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		0.050	0.018

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Client Sample ID: Lab Sample ID: ICB 200-162365/14

Matrix: Water Lab File ID: PA201222ICAL014.d

Analysis Method: 537 (modified) Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 12/22/2020 13:37

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 162365 Units: ng/mL

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00996	13C2 PFDA	104		50-150
STL00998	13C2 PFDoA	101		50-150
STL00993	13C2 PFHxA	102		50-150
STL02116	13C2 PFTeDA	96		50-150
STL00997	13C2 PFUnA	98		50-150
STL02337	13C3 PFBS	103		50-150
STL00992	13C4 PFBA	100		25-150
STL01892	13C4 PFHpA	100		50-150
STL00990	13C4 PFOA	100		50-150
STL00991	13C4 PFOS	98		50-150
STL00995	13C5 PFNA	99		50-150
STL01893	13C5 PFPeA	102		25-150
STL01056	13C8 FOSA	103		25-150
STL00994	18O2 PFHxS	97		50-150
STL02118	d3-NMeFOSAA	100		50-150
STL02117	d5-NEtFOSAA	99		50-150
STL02279	M2-6:2 FTS	109		25-150
STL02280	M2-8:2 FTS	103		25-150

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL014.d
Lims ID: ICB
Client ID:
Sample Type: ICB
Inject. Date: 22-Dec-2020 13:37:53 ALS Bottle#: 8 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: ICB
Misc. Info.: 200-0044184-014 Plate: 1 Rack: 1
Operator ID: lc812tech Instrument ID: LC812

Method: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 22-Dec-2020 16:15:18 Calib Date: 22-Dec-2020 13:29:37
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1625

First Level Reviewer: deannd Date: 22-Dec-2020 15:11:47
Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.091	2.091	0.0	0.599	1173665	1.25		99.8	9886	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.091	2.091	0.0	1.000	12982	0.0138			1.6	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.414	2.414	0.0	0.691	870248	1.28		102	3296	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.427	2.414	0.013	1.005	13607	0.0177			0.4	M
D 47 13C3 PFBS										
301.90 > 80.00	2.427	2.427	0.0	0.695	1071155	1.20		103	215365	
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.427	2.427	0.0	1.000	9082	0.008713	Target=2.21		22.2	
298.90 > 99.00	2.427	2.427	0.0	1.000	4327		2.10(1.11-3.32)		5.0	
61 1H,1H,2H,2H-perfluorohexanesulfo										M
327.00 > 307.00	2.735	2.735	0.0	1.000	1640	0.0131			42.9	M
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.735	2.735	0.0	0.783	79652	1.07		91.3	91.4	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.772	2.771	0.001	0.793	905469	1.27		102	2676	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.772	2.771	0.001	1.000	10584	0.0134	Target=12.83		2.5	
313.00 > 119.00	2.772	2.771	0.001	1.000	1355		7.81(6.42-19.25)		2.8	M
70 Perfluoropentanesulfonic acid										
349.00 > 80.00	2.772	2.771	0.001	0.885	8000	0.009440	Target=3.35		32.6	
349.00 > 99.00	2.772	2.771	0.001	0.885	1790		4.47(1.67-5.02)		4.2	
67 Perfluoro(2-propoxypropanoic) ac										M
329.10 > 285.00	2.869	2.881	-0.012	0.996	2424	0.0118			0.2	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 64 13C3 HFPO-DA										
332.10 > 287.00	2.881	2.881	0.0	0.825	185110	1.47		118	1362	
D 11 18O2 PFHxS										
403.00 > 84.00	3.133	3.133	0.0	0.897	763583	1.15		96.9	2119	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.133	3.133	0.0	1.000	8748	0.0115	Target=4.15		11.7	M
399.00 > 99.00	3.133	3.133	0.0	1.000	1791		4.88(2.08-6.23)		1.8	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.133	3.133	0.0	0.897	853271	1.25		100	3488	
10 Perfluoroheptanoic acid										R
363.00 > 319.00	3.133	3.133	0.0	1.000	8899	0.0119	Target=3.66		2.2	R
363.00 > 169.00	3.133	3.133	0.0	1.000	1499		5.94(1.83-5.49)		4.3	
77 DONA										M
377.00 > 251.00	3.176	3.176	0.0	0.834	15086	0.0101	Target=2.43		20.4	
377.00 > 85.00	3.176	3.176	0.0	0.834	6276		2.40(1.22-3.65)		7.5	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.484	3.484	0.0	0.915	5119	0.008490	Target=5.95		44.8	
449.00 > 99.00	3.475	3.484	-0.009	0.913	729		7.02(2.98-8.93)		4.5	M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.484	3.484	0.0	0.997	108027	1.30		109	442	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.484	3.484	0.0	1.000	982	0.009705			21.8	
D 14 13C4 PFOA										
417.00 > 372.00	3.493	3.493	0.0	1.000	869355	1.25		100	2767	
* 62 13C2 PFOA										
415.00 > 370.00	3.493	3.493	0.0		875786	1.25			3053	
15 Perfluorooctanoic acid										RM
413.00 > 369.00	3.502	3.493	0.009	1.003	9141	0.0121	Target=2.58		1.9	RM
413.00 > 169.00	3.493	3.493	0.0	1.000	2098		4.36(1.29-3.87)		4.5	M
D 18 13C4 PFOS										
503.00 > 80.00	3.808	3.806	0.002	1.090	533628	1.17		97.6	1320	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.808	3.806	0.002	1.000	5152	0.0100	Target=5.65		6.2	M
499.00 > 99.00	3.808	3.806	0.002	1.000	1104		4.67(2.82-8.47)		3.8	M
D 19 13C5 PFNA										
468.00 > 423.00	3.828	3.826	0.002	1.096	760508	1.24		99.5	2162	
20 Perfluorononanoic acid										M
463.00 > 419.00	3.828	3.826	0.002	1.000	8165	0.0121	Target=7.44		1.2	
463.00 > 169.00	3.828	3.826	0.002	1.000	881		9.27(3.72-11.16)		12.4	M
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.969	3.967	0.002	1.042	5164	0.009012			36.7	
68 Perfluorononanesulfonic acid										M
549.00 > 80.00	4.097	4.095	0.002	1.076	3234	0.008440	Target=2.54		28.8	
549.00 > 99.00	4.097	4.095	0.002	1.076	998		3.24(1.27-3.81)		4.3	M
D 23 13C2 PFDA										
515.00 > 470.00	4.131	4.129	0.002	1.183	756796	1.29		104	2401	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.131	4.129	0.002	1.000	5959	0.009551	Target=9.29		4.8	
513.00 > 169.00	4.131	4.129	0.002	1.000	974		6.12(4.64-13.93)		7.4	M
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.142	4.140	0.002	1.000	423	0.007027			10.6	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.142	4.140	0.002	1.186	105991	1.24		103	674	
D 21 13C8 FOSA										
506.00 > 78.00	4.209	4.207	0.002	1.205	1104824	1.29		103	2293	
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.209	4.207	0.002	1.000	7326	0.008271			20.9	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.263	4.272	-0.009	1.220	53054	1.25		100	542	
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.275	4.272	0.003	1.003	674	0.0179			6.0	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.365	4.362	0.003	1.146	3322	0.0109	Target=2.80		32.2	
599.00 > 99.00	4.365	4.362	0.003	1.146	1286		2.58(1.40-4.19)		4.8	
D 30 13C2 PFUnA										
565.00 > 520.00	4.387	4.384	0.003	1.256	585825	1.22		97.6	1805	
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.398	4.395	0.003	1.003	5801	0.0121	Target=8.12		2.3	M
563.00 > 169.00	4.398	4.395	0.003	1.003	1008		5.75(4.06-12.18)		27.5	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.398	4.395	0.003	1.259	50776	1.24		99.1	423	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.398	4.406	-0.008	1.000	655	0.0174			8.2	M
66 11-Chloroeicosafluoro-3-oxaundec										
631.00 > 451.00	4.488	4.485	0.003	1.179	4699	0.007903			75.0	
D 36 13C2 PFDoA										
615.00 > 570.00	4.619	4.626	-0.007	1.322	637238	1.26		101	2862	
37 Perfluorododecanoic acid										RM
613.00 > 569.00	4.619	4.626	-0.007	1.000	5753	0.0103	Target=6.91		1.7	R
613.00 > 169.00	4.619	4.626	-0.007	1.000	543		10.59(3.45-10.36)		11.2	M
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.640	4.637	0.003	1.120	289	0.009325			11.4	M
75 Perfluorododecanesulfonic acid (										M
699.00 > 80.00	4.790	4.797	-0.007	1.258	518	0.004609	Target=0.51		2.4	M
699.00 > 99.00	4.799	4.797	0.002	1.260	1391		0.37(0.26-0.77)		6.4	M
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.841	4.839	0.002	1.048	3436	0.007551	Target=4.39		1.6	
663.00 > 169.00	4.841	4.839	0.002	1.048	549		6.26(2.20-6.59)		10.1	
D 43 13C2 PFTeDA										
715.00 > 670.00	5.030	5.027	0.003	1.440	450010	1.20		96.0	2567	
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.030	5.027	0.003	1.000	718	0.0108	Target=1.06		23.9	M
713.00 > 219.00	5.020	5.027	-0.007	0.998	467		1.54(0.53-1.59)		12.3	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 44 13C2 PFHxDA										
815.00 > 770.00	5.381	5.374	0.007	1.540	505826	1.26		101	1986	
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.381	5.374	0.007	1.000	8267	0.006683	Target=3.84		2.5	
813.00 > 169.00	5.381	5.374	0.007	1.000	1701		4.86(1.92-5.76)		49.2	
46 Perfluorooctadecanoic acid										
913.00 > 869.00	5.727	5.722	0.005	1.064	4106	0.0113	Target=3.92		3.5	
913.00 > 169.00	5.727	5.722	0.005	1.064	1091		3.76(1.96-5.88)		22.6	

QC Flag Legend

Processing Flags
R - Failed Signal Ratio Test
Review Flags
M - Manually Integrated

Reagents:

PFAS32NCBLK20_00007 Amount Added: 100.00 Units: uL

Report Date: 22-Dec-2020 17:35:45 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL014.d

Injection Date: 22-Dec-2020 13:37:53 Instrument ID: LC812

Lims ID: ICB

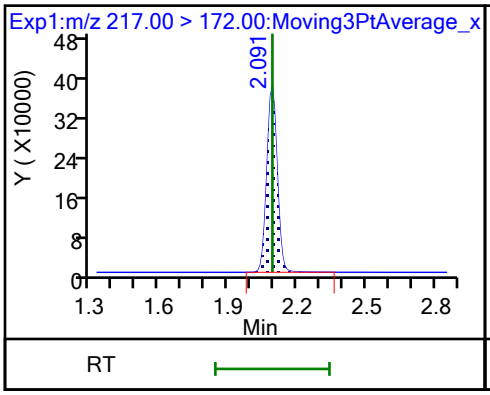
Client ID:

Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 14

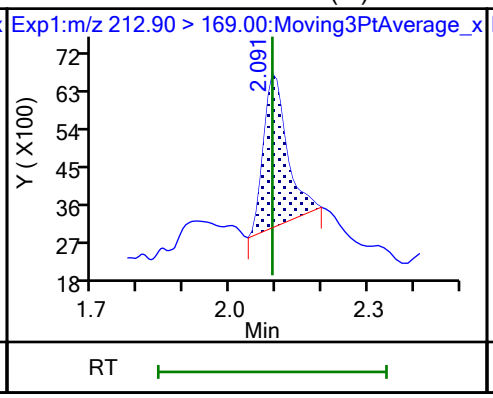
Injection Vol: 20.0 ul Dil. Factor: 1.0000

Method: PFC_LC812 Limit Group: LC_PFC_ICAL

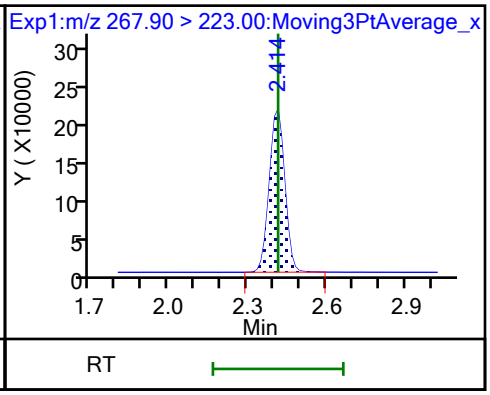
D 1 13C4 PFBA



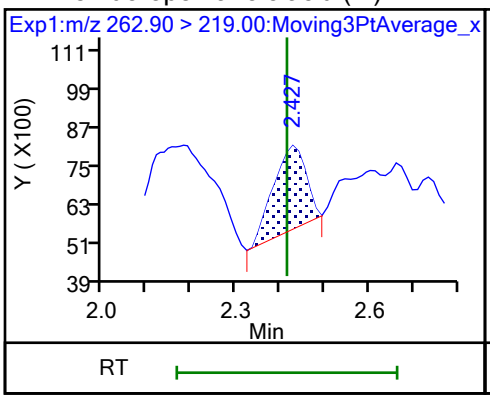
2 Perfluorobutanoic acid (M)



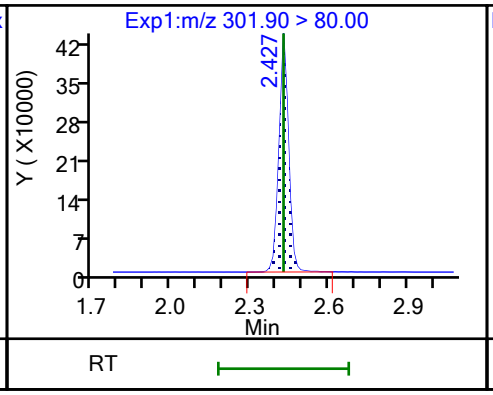
D 3 13C5 PFPeA



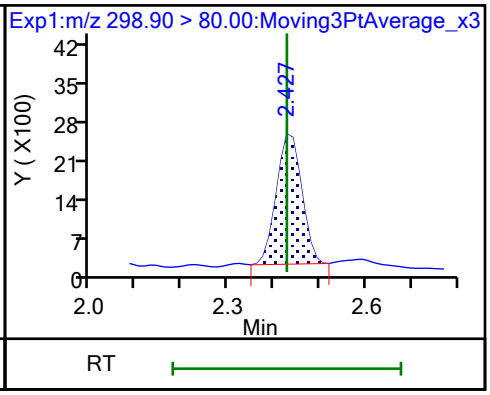
4 Perfluoropentanoic acid (M)



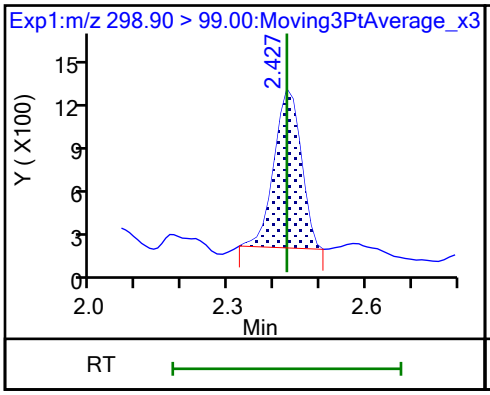
D 47 13C3 PFBS



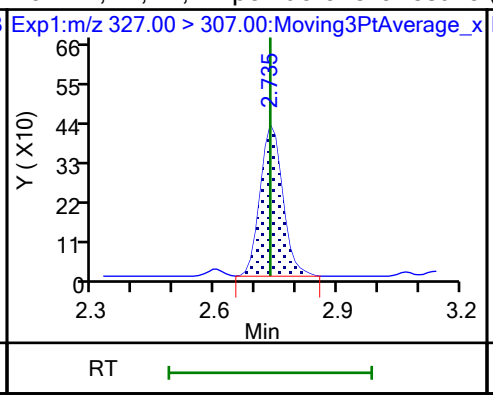
5 Perfluorobutanesulfonic acid



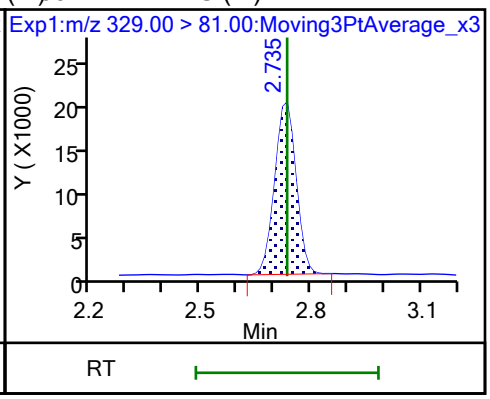
5 Perfluorobutanesulfonic acid



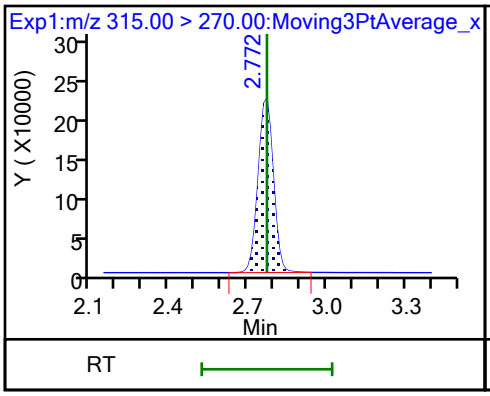
61 1H,1H,2H,2H-perfluorohexanesulfo (M)



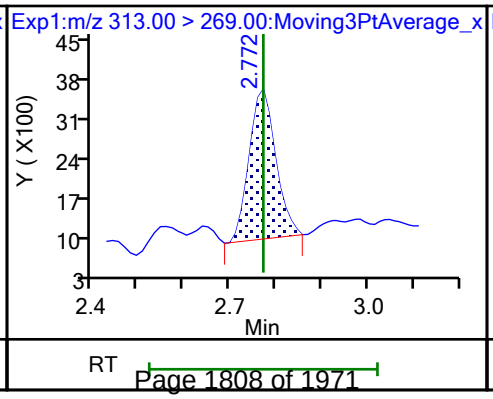
60 M2-4:2 FTS (M)



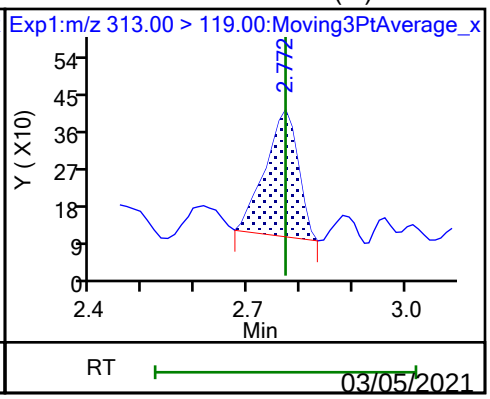
D 7 13C2 PFHxA



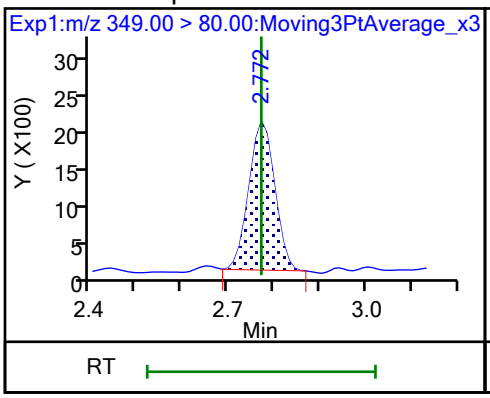
6 Perfluorohexanoic acid



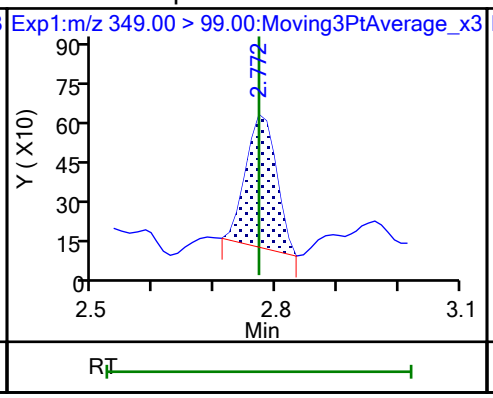
6 Perfluorohexanoic acid (M)



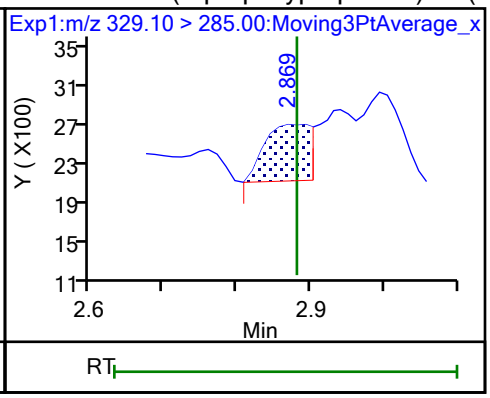
70 Perfluoropentanesulfonic acid



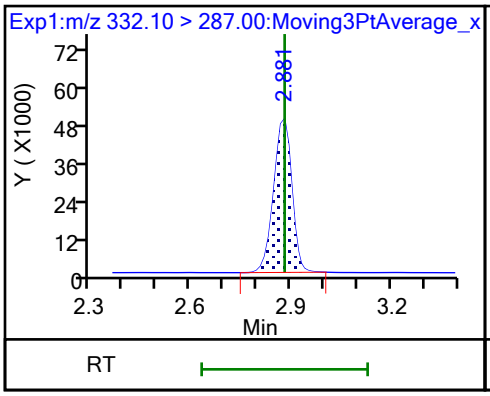
70 Perfluoropentanesulfonic acid



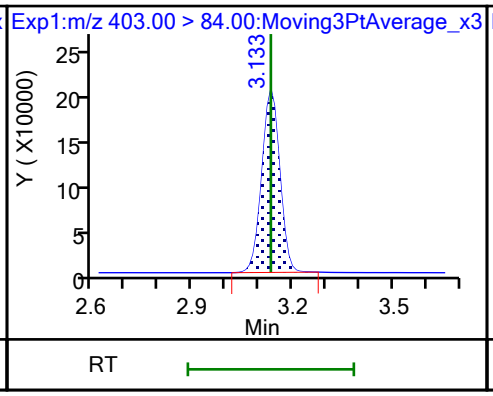
67 Perfluoro(2-propoxypropanoic) ac (M)



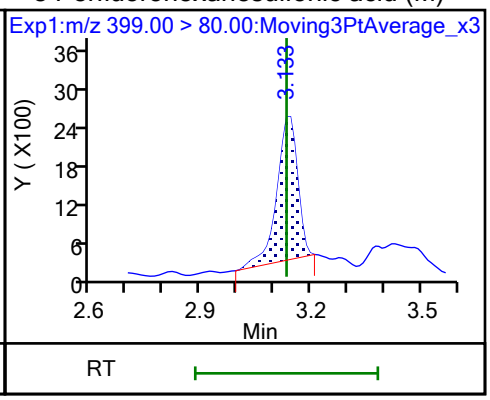
D 64 13C3 HFPO-DA



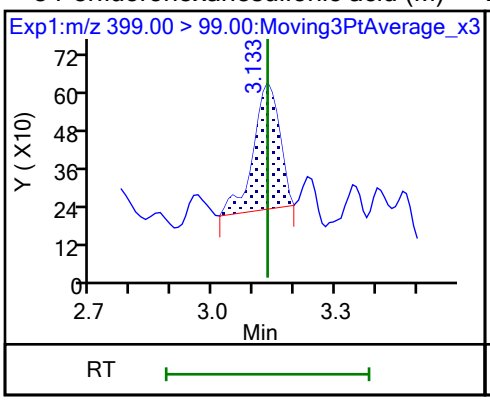
D 11 18O2 PFHxS



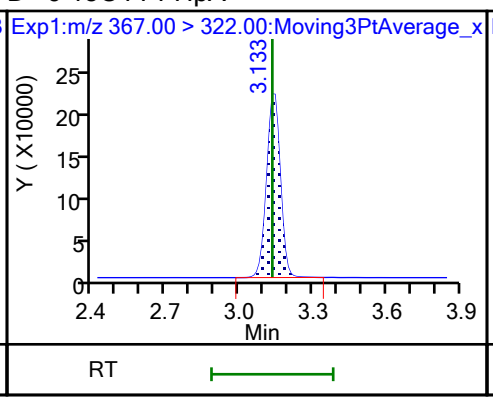
8 Perfluorohexanesulfonic acid (M)



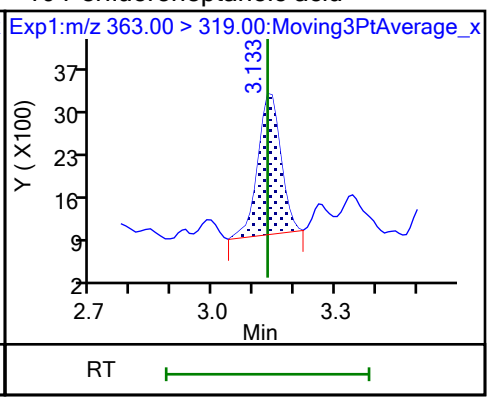
8 Perfluorohexanesulfonic acid (M)



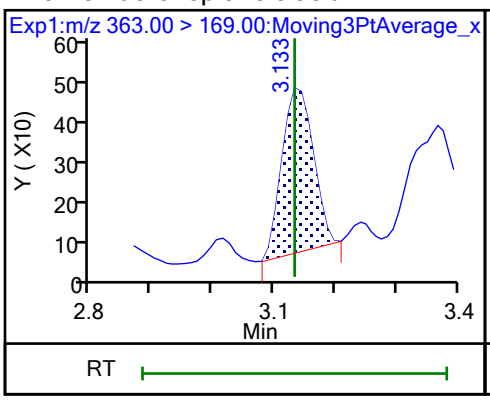
D 9 13C4 PFHpA



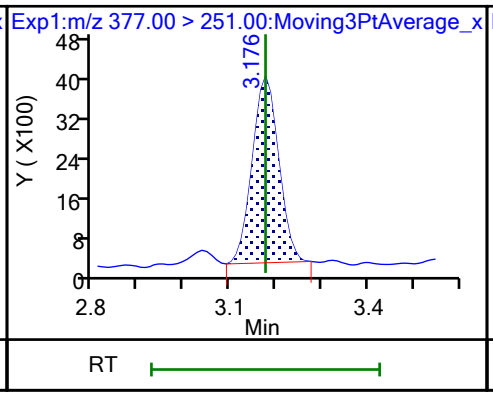
10 Perfluoroheptanoic acid



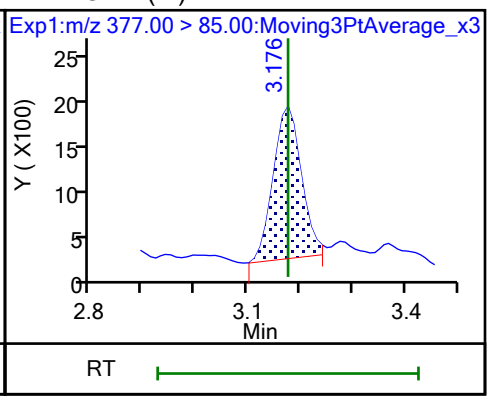
10 Perfluoroheptanoic acid



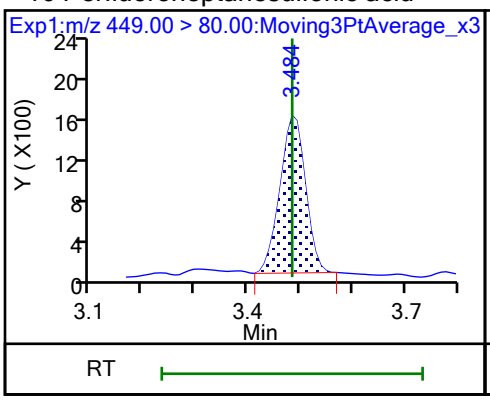
77 DONA



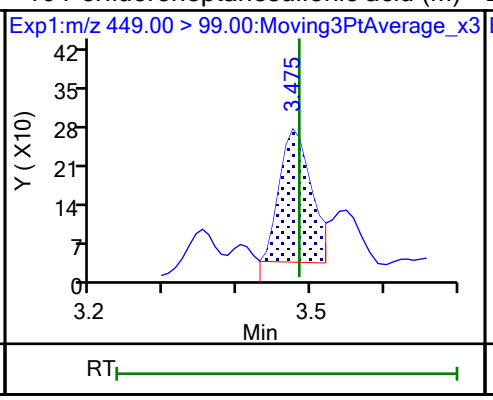
77 DONA (M)



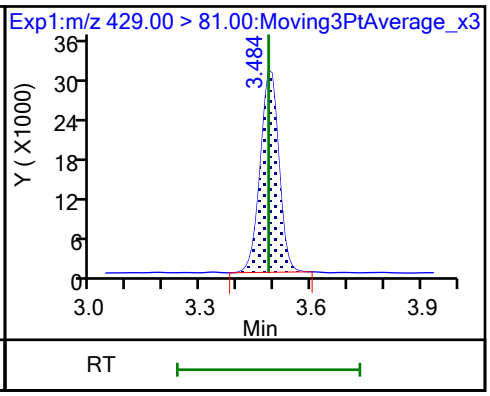
16 Perfluoroheptanesulfonic acid



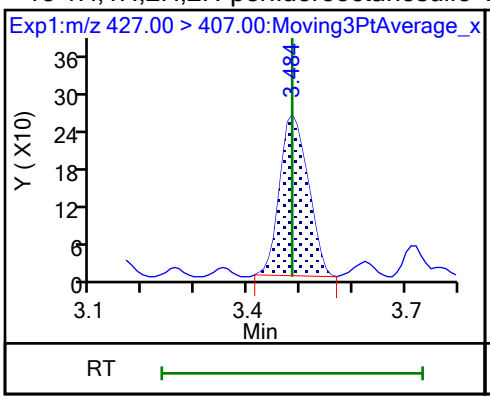
16 Perfluoroheptanesulfonic acid (M)



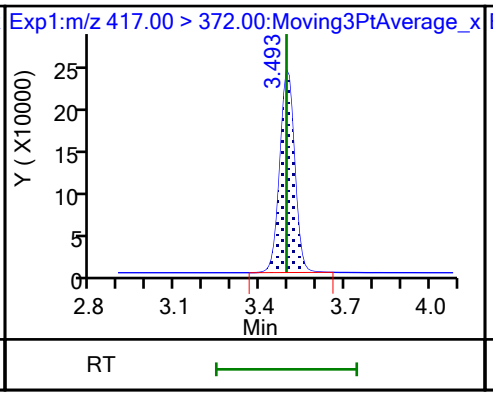
D 12 M2-6:2 FTS



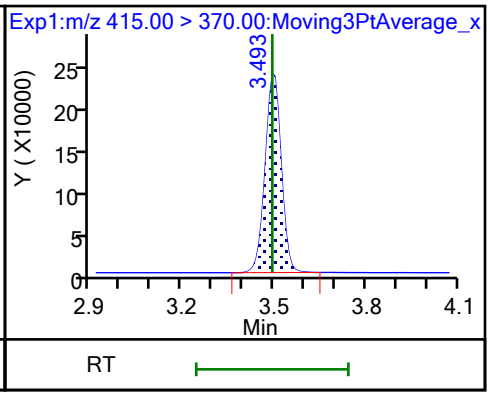
13 1H,1H,2H,2H-perfluorooctanesulfo



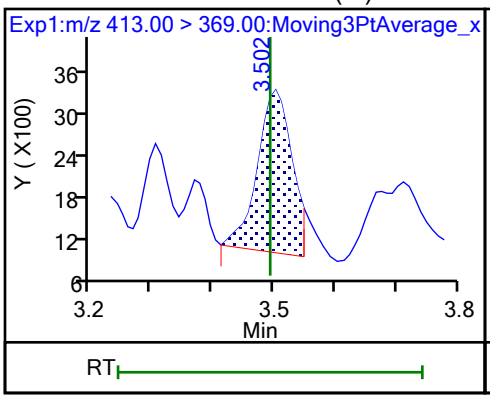
D 14 13C4 PFOA



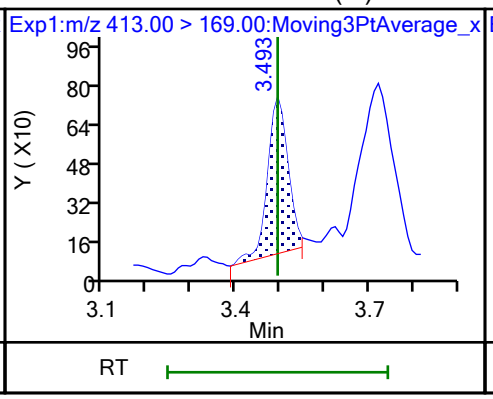
* 62 13C2 PFOA



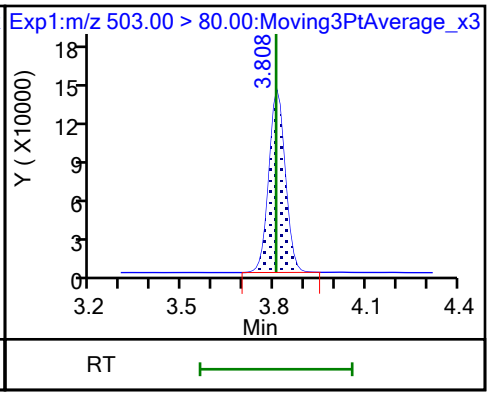
15 Perfluorooctanoic acid (M)



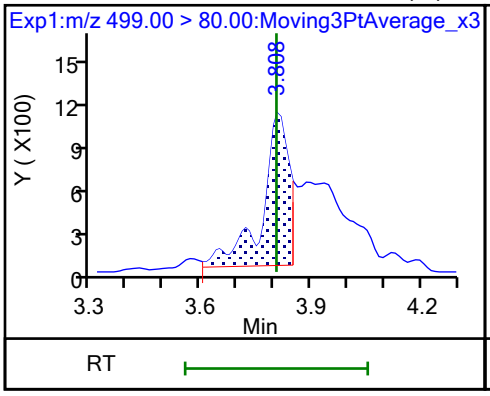
15 Perfluorooctanoic acid (M)



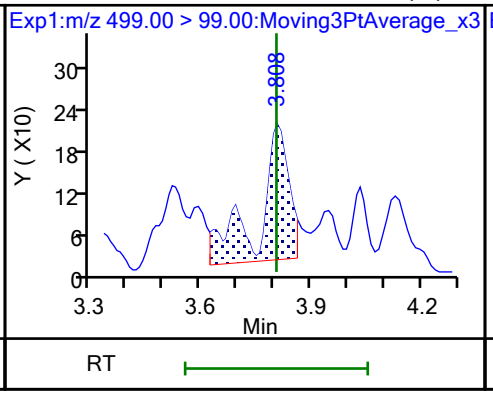
D 18 13C4 PFOS



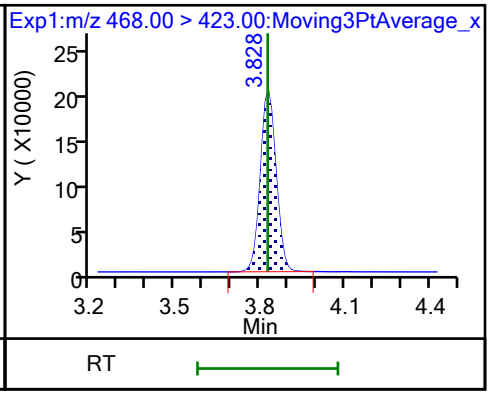
17 Perfluorooctanesulfonic acid (M)



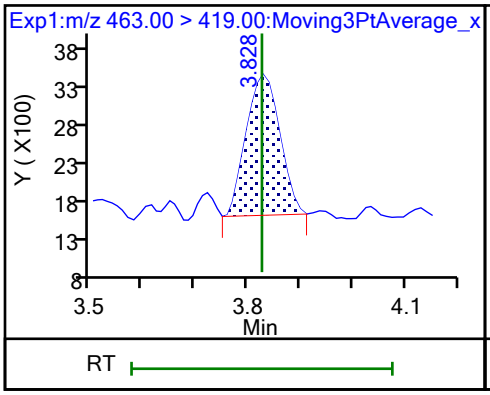
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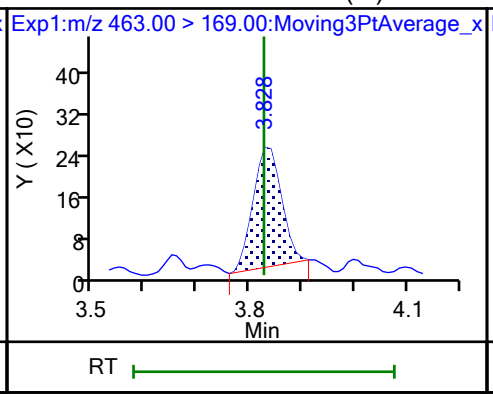
D 19 13C5 PFNA



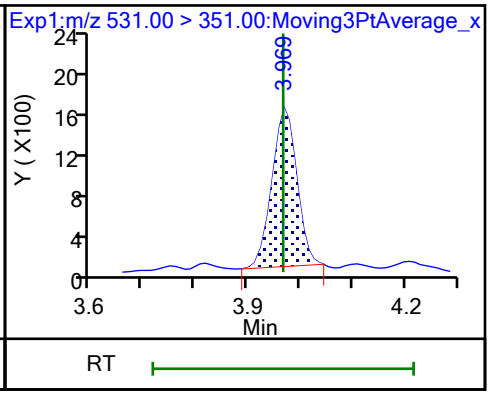
20 Perfluorononanoic acid



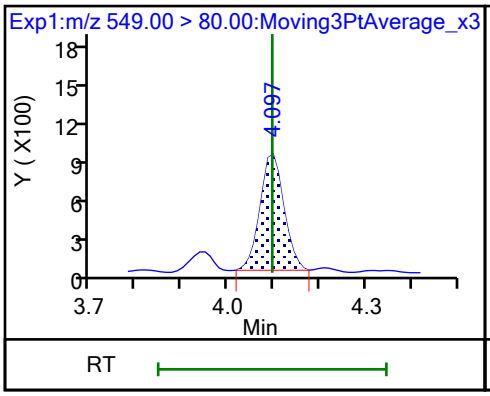
20 Perfluorononanoic acid (M)



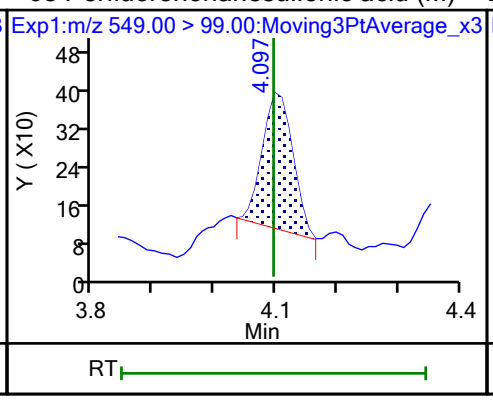
69 9-Chlorohexadecafluoro-3-oxanona



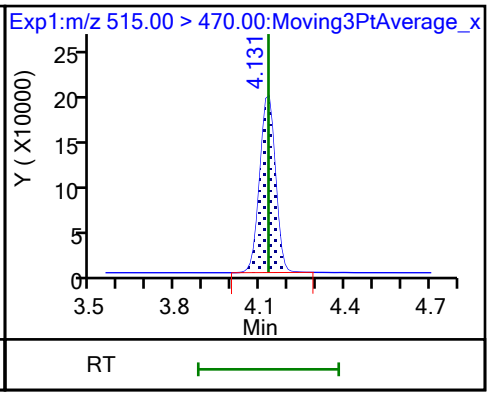
68 Perfluorononanesulfonic acid



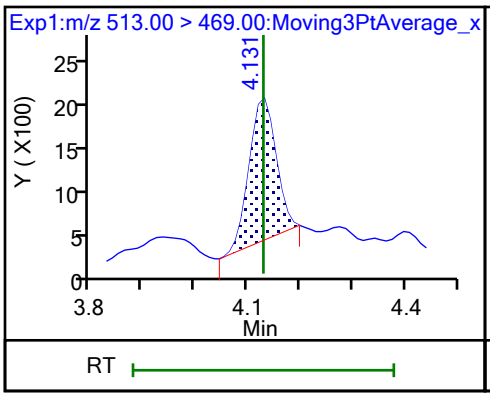
68 Perfluorononanesulfonic acid (M)



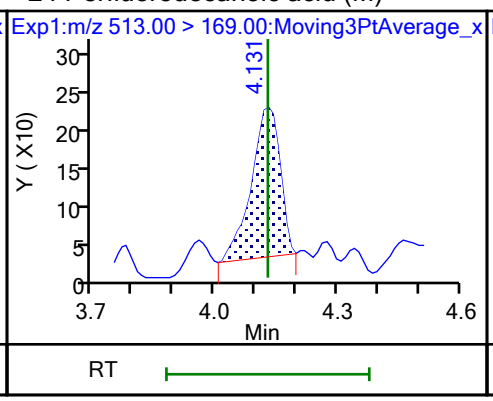
D 23 13C2 PFDA



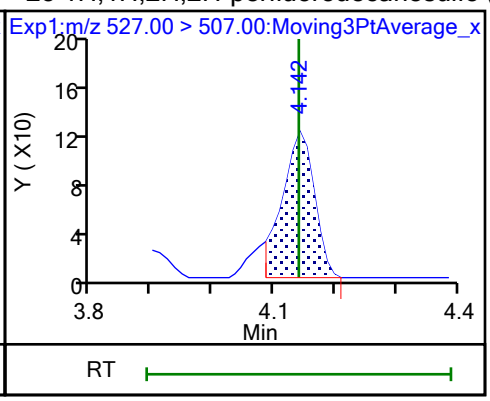
24 Perfluorodecanoic acid



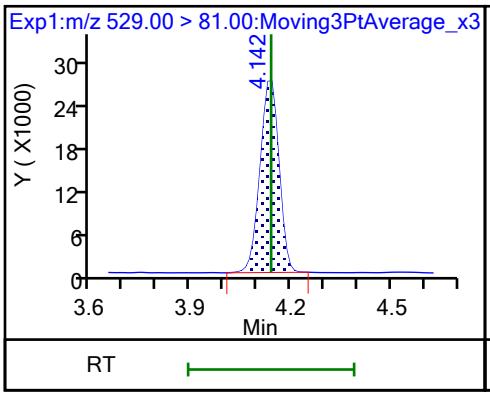
24 Perfluorodecanoic acid (M)



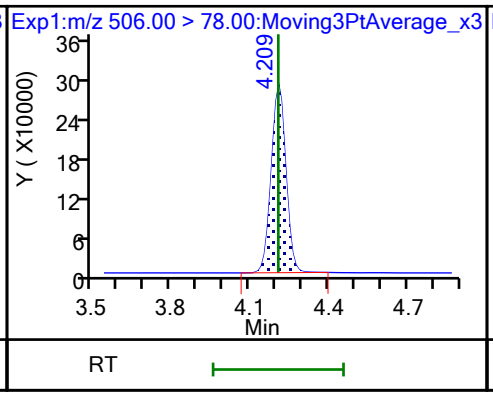
25 1H,1H,2H,2H-perfluorodecanesulfo (M)



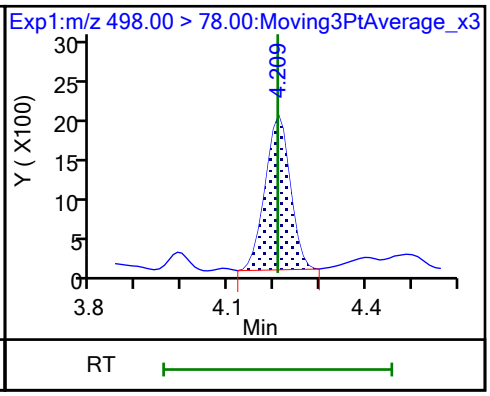
D 26 M2-8:2 FTS



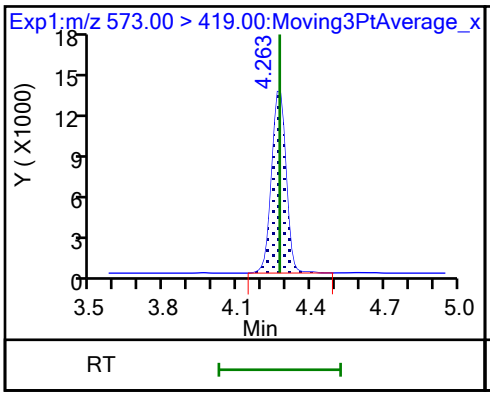
D 21 13C8 FOSA



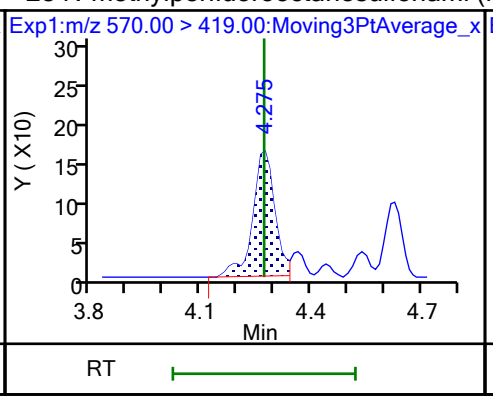
22 Perfluorooctanesulfonamide



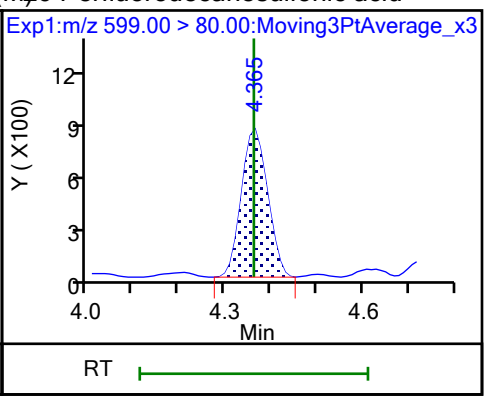
D 27 d3-NMeFOSAA



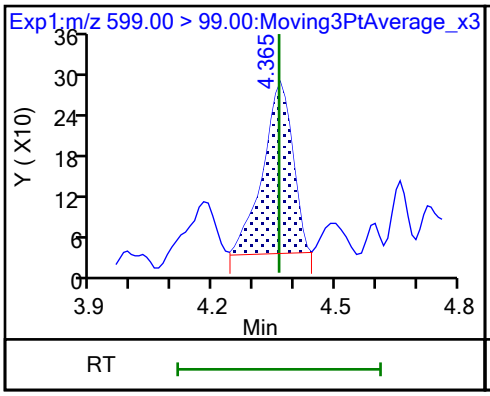
28 N-methylperfluorooctanesulfonami (M)



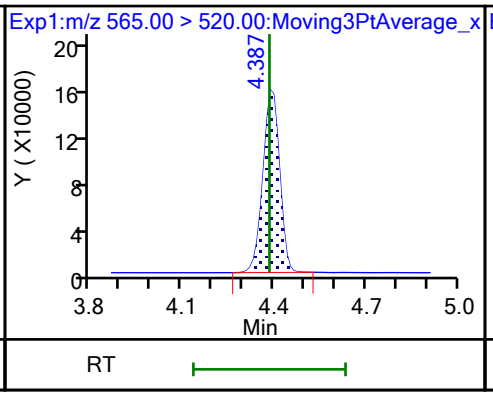
29 Perfluorodecanesulfonic acid



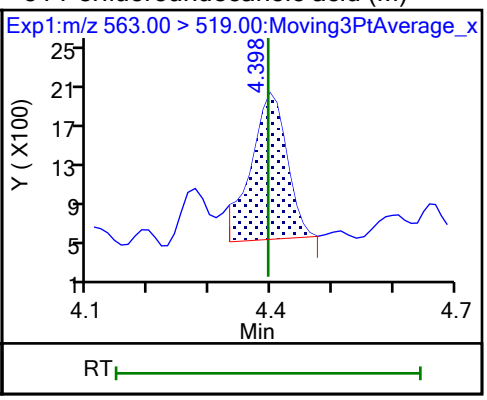
29 Perfluorodecanesulfonic acid



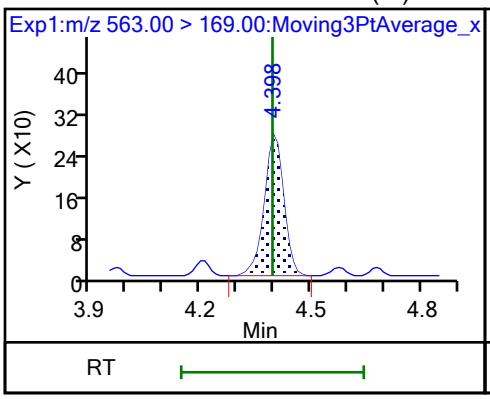
D 30 13C2 PFUnA



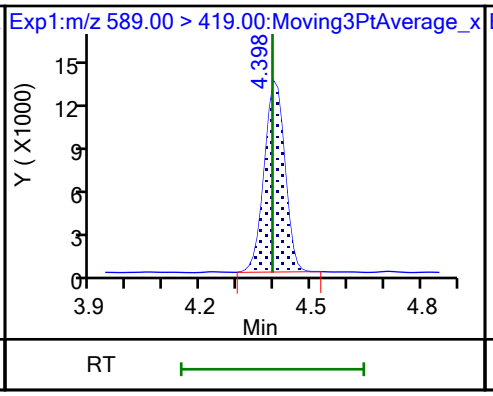
31 Perfluoroundecanoic acid (M)



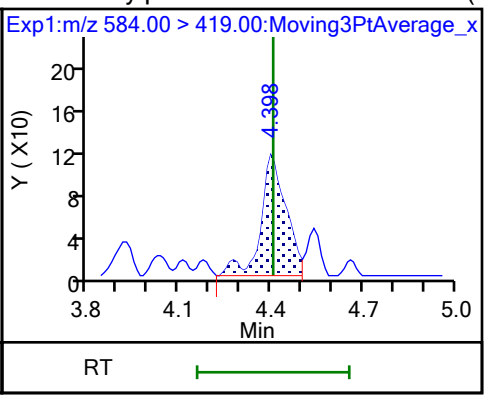
31 Perfluoroundecanoic acid (M)



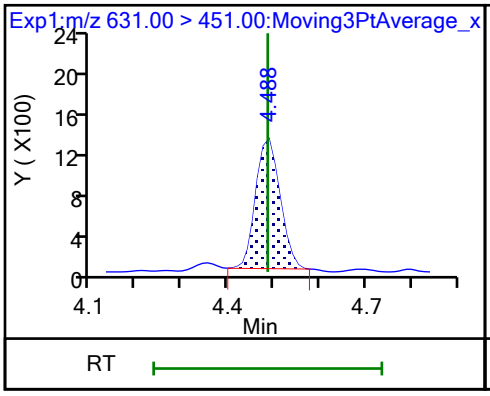
D 32 d5-NEtFOSAA



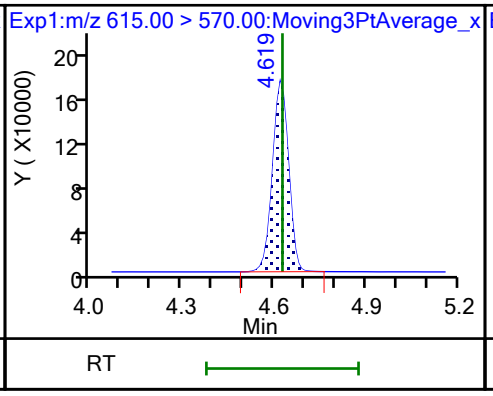
33 N-ethylperfluorooctanesulfonamid (M)



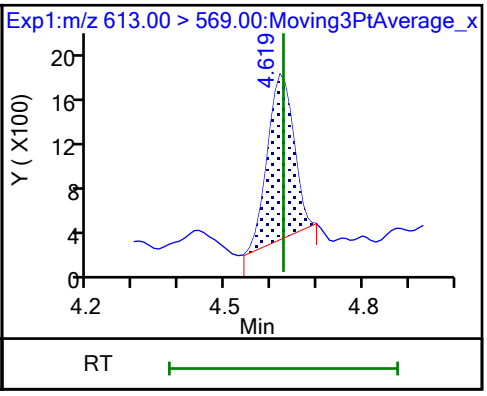
66 11-Chloroeicosafluoro-3-oxaundec



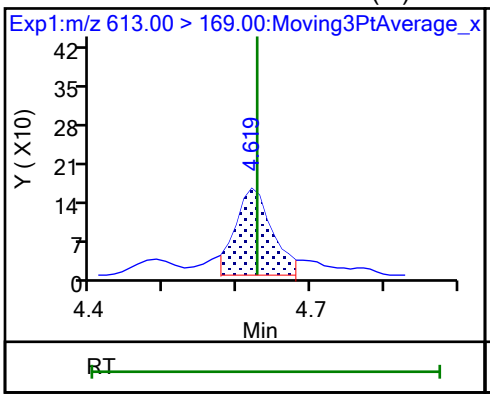
D 36 13C2 PFDoA



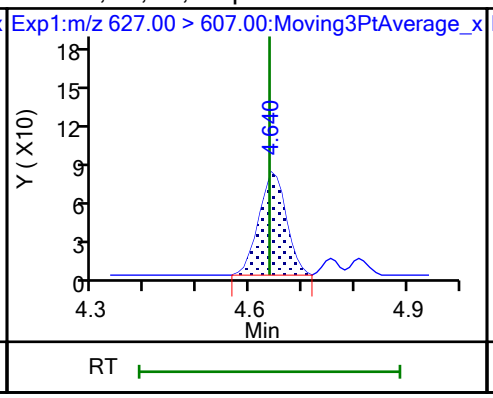
37 Perfluorododecanoic acid



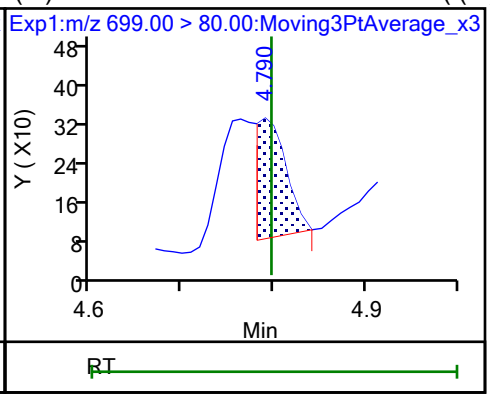
37 Perfluorododecanoic acid (M)



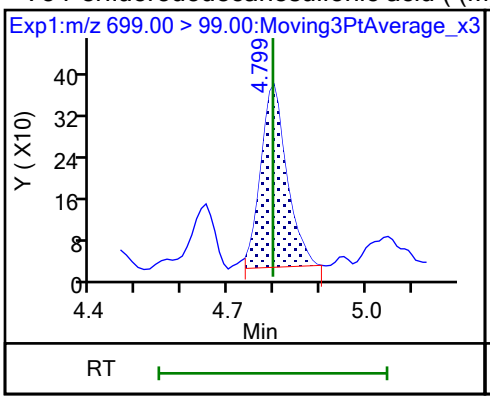
74 1H,1H,2H,2H-perfluorododecanesul (M)



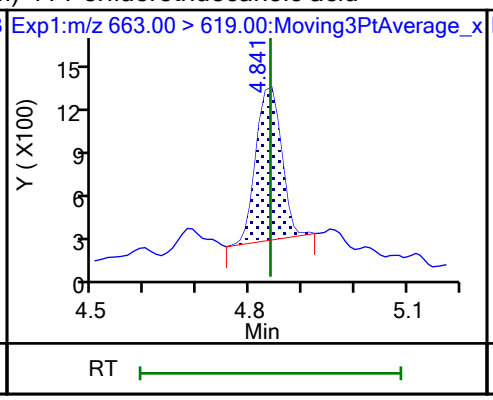
75 Perfluorododecanesulfonic acid ((M)



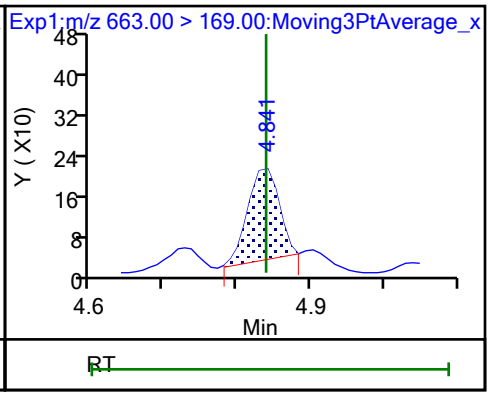
75 Perfluorododecanesulfonic acid ((M)



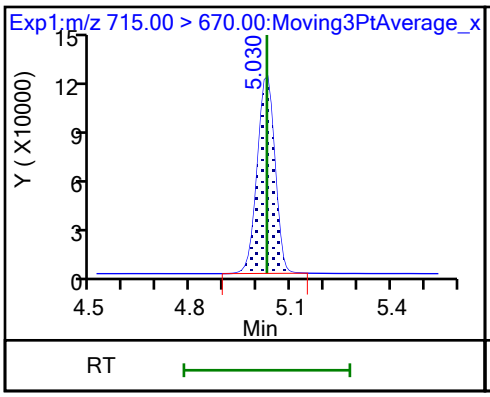
41 Perfluorotridecanoic acid



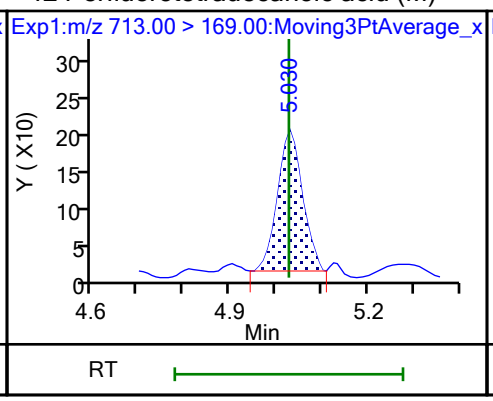
41 Perfluorotridecanoic acid



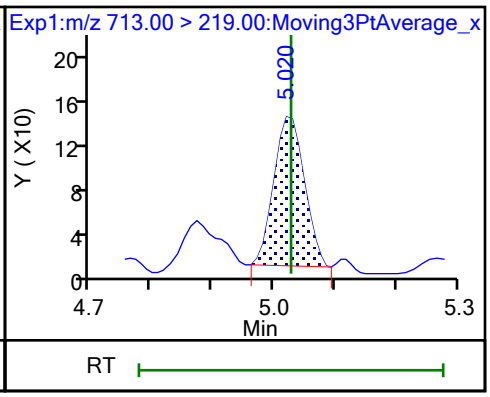
D 43 13C2 PFTeDA



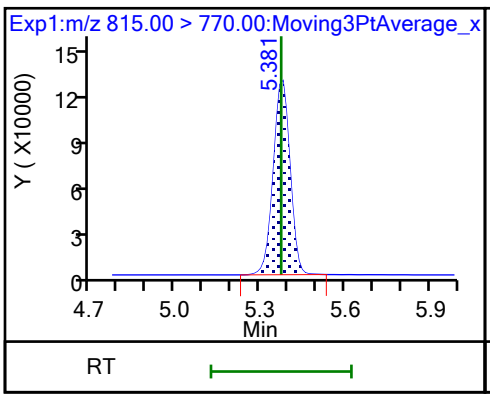
42 Perfluorotetradecanoic acid (M)



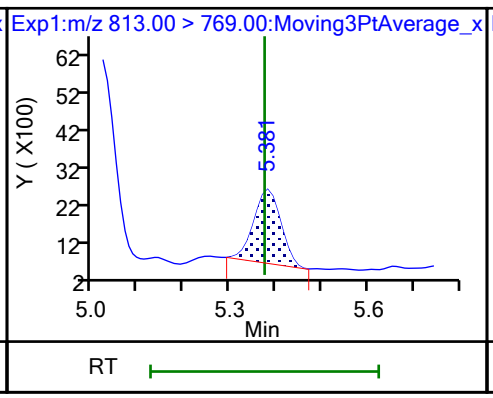
42 Perfluorotetradecanoic acid



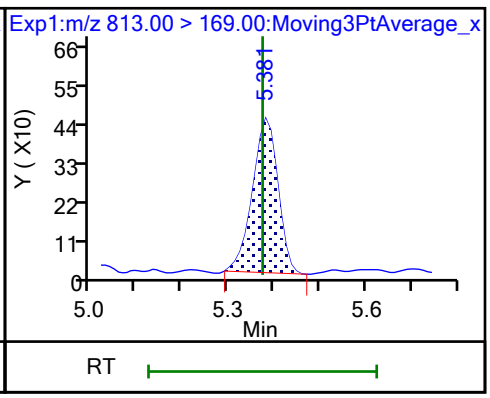
D 44 13C2 PFHxDA



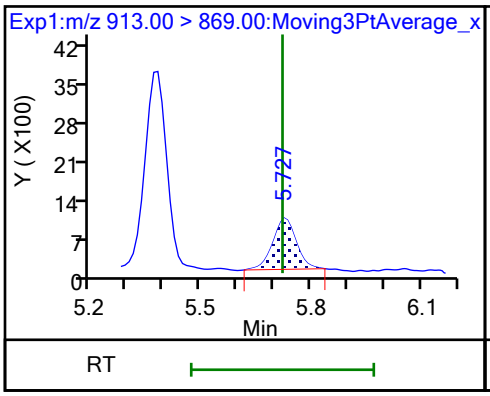
45 Perfluorohexadecanoic acid



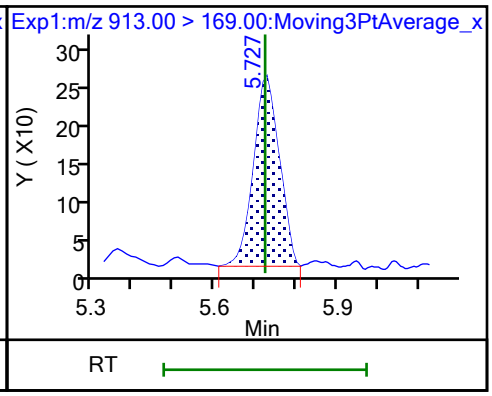
45 Perfluorohexadecanoic acid



46 Perfluorooctadecanoic acid



46 Perfluorooctadecanoic acid



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

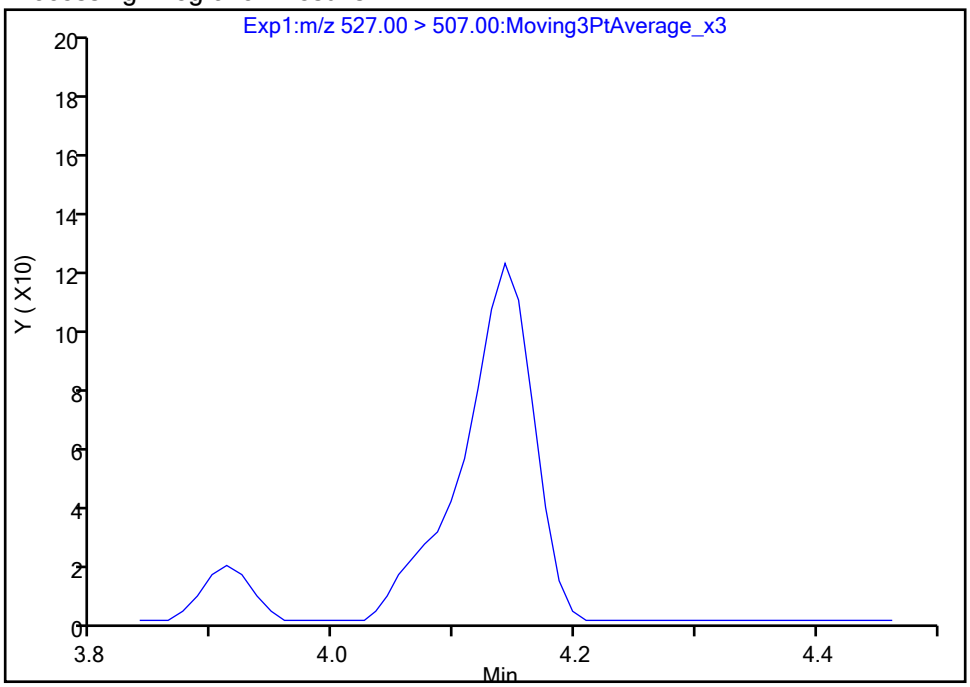
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL014.d
Injection Date: 22-Dec-2020 13:37:53 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

25 1H,1H,2H,2H-perfluorodecanesulfo, CAS: 39108-34-4

Signal: 1

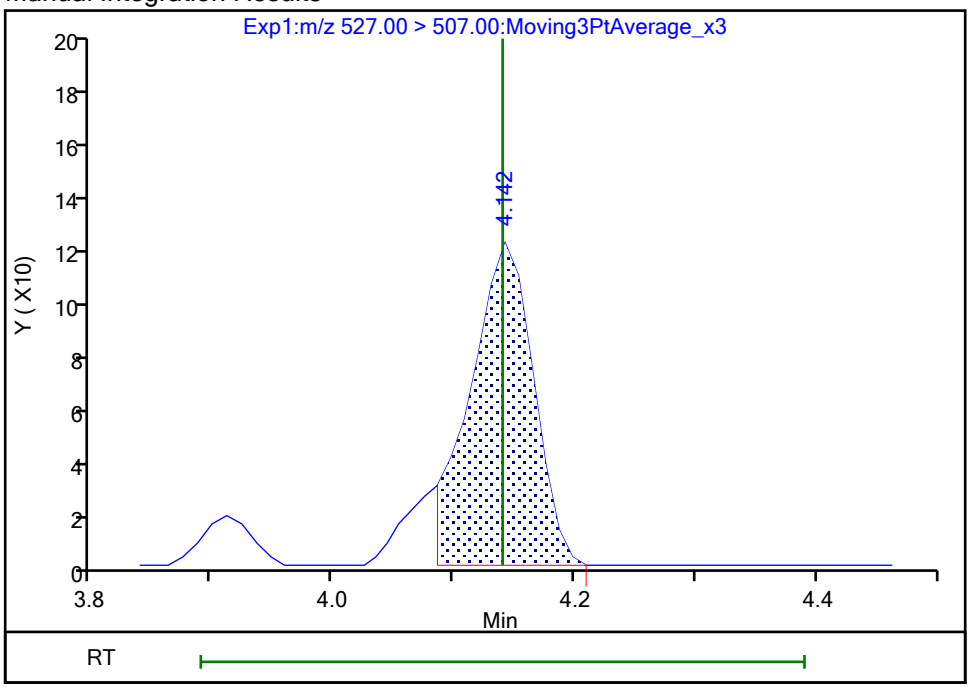
Not Detected
Expected RT: 4.14

Processing Integration Results



Manual Integration Results

RT: 4.14
Area: 423
Amount: 0.007027
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 15:13:37
Audit Action: Manually Integrated Audit Reason: Missed Peak

Eurofins TestAmerica, Burlington

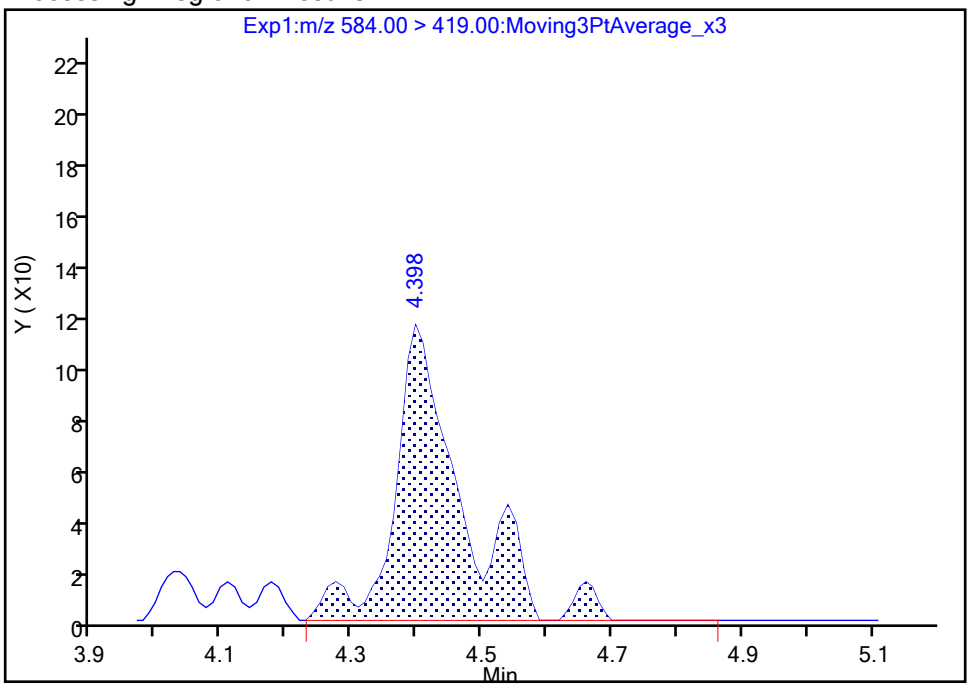
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL014.d				
Injection Date:	22-Dec-2020 13:37:53	Instrument ID:	LC812		
Lims ID:	ICB				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

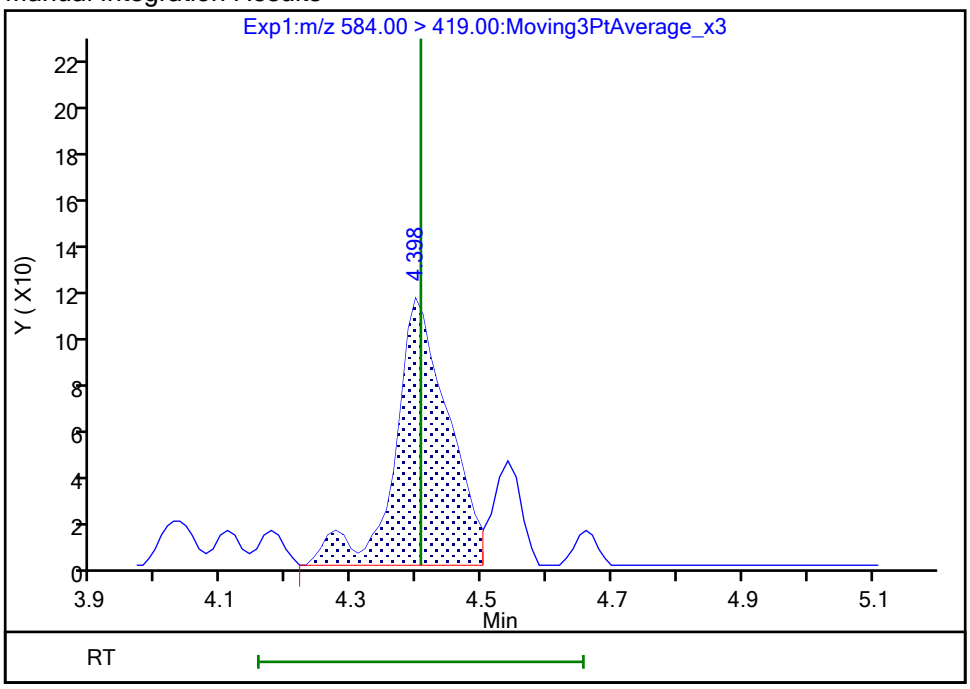
Processing Integration Results

RT: 4.40
Area: 825
Amount: 0.021940
Amount Units: ng/ml



Manual Integration Results

RT: 4.40
Area: 655
Amount: 0.017419
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 15:14:46
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

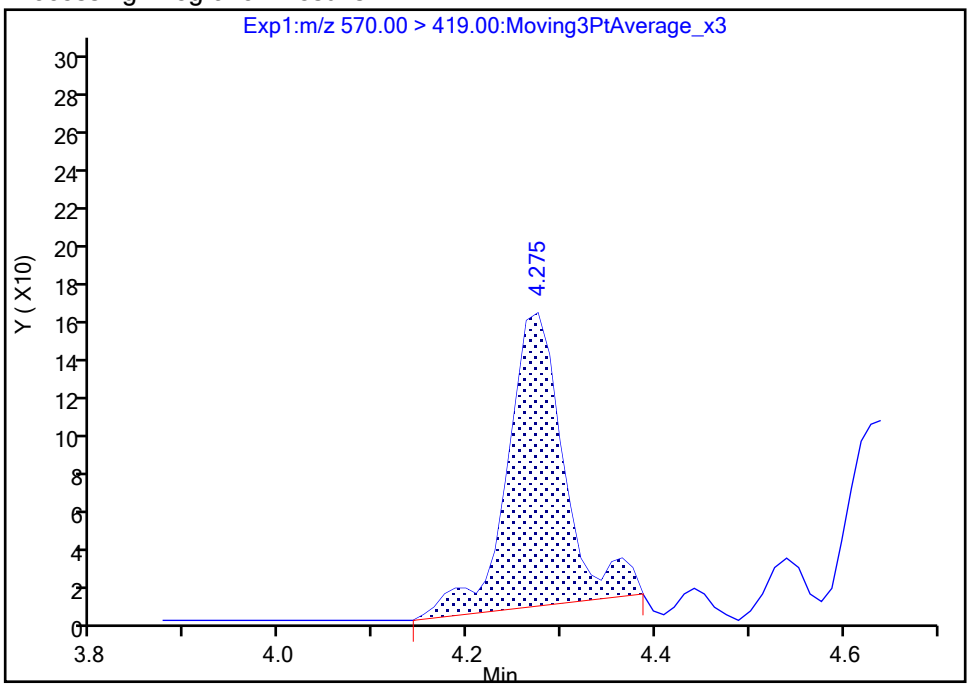
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL014.d				
Injection Date:	22-Dec-2020 13:37:53	Instrument ID:	LC812		
Lims ID:	ICB				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

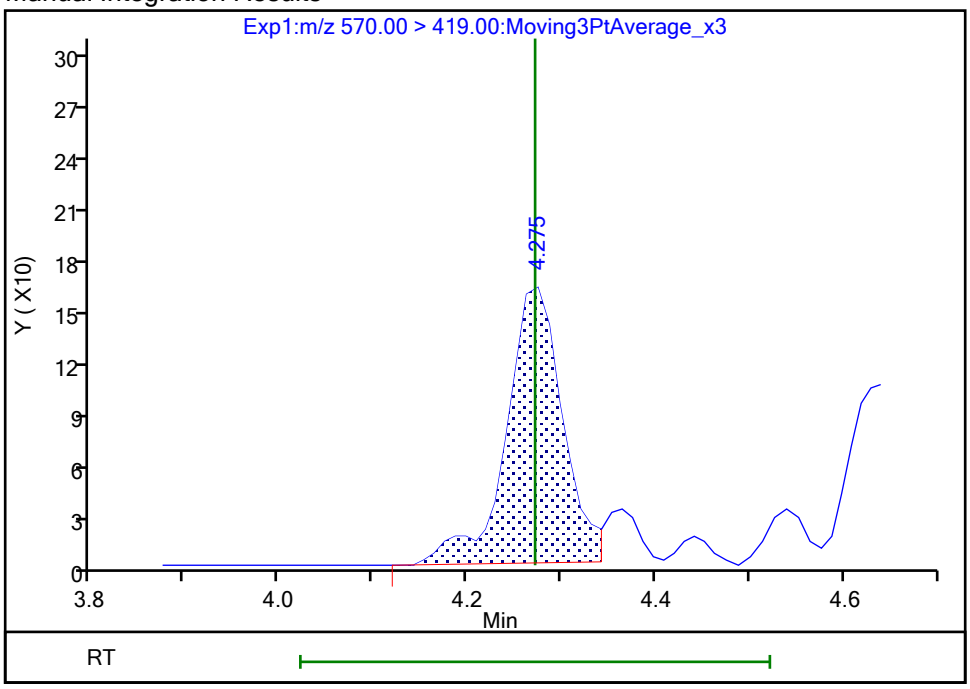
Processing Integration Results

RT: 4.27
Area: 658
Amount: 0.017491
Amount Units: ng/ml



Manual Integration Results

RT: 4.27
Area: 674
Amount: 0.017916
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 15:14:02
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

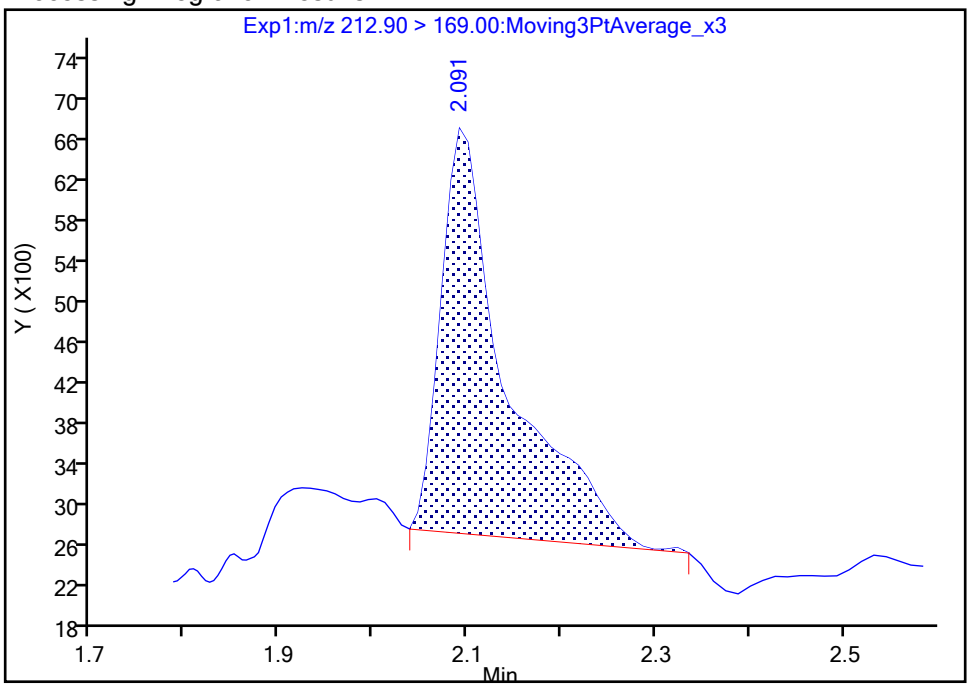
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL014.d
Injection Date: 22-Dec-2020 13:37:53 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

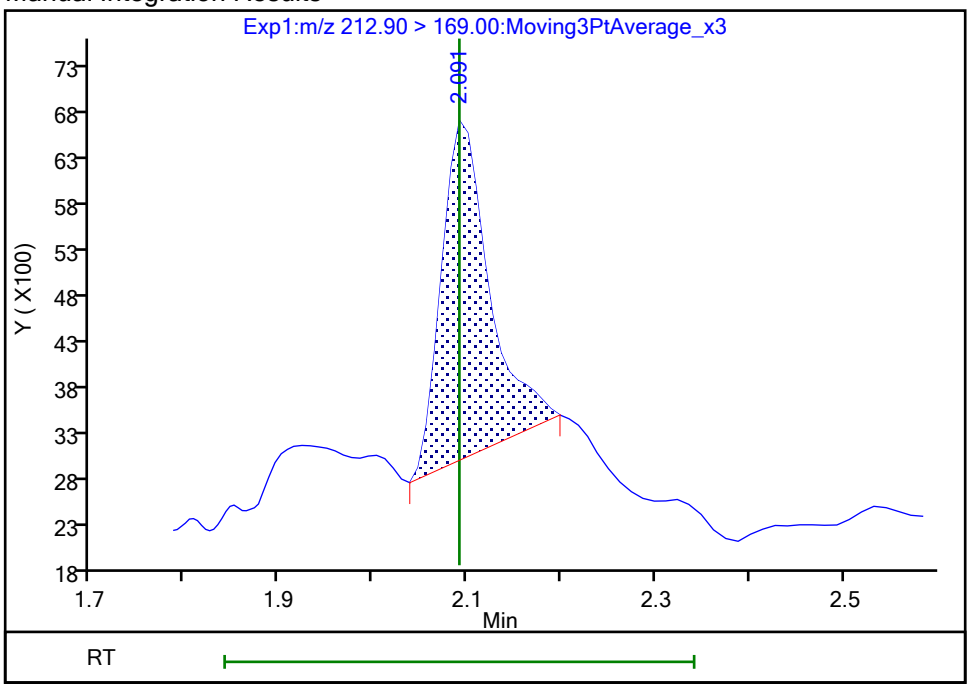
Processing Integration Results

RT: 2.09
Area: 19494
Amount: 0.020720
Amount Units: ng/ml



Manual Integration Results

RT: 2.09
Area: 12982
Amount: 0.013799
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 15:09:07
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

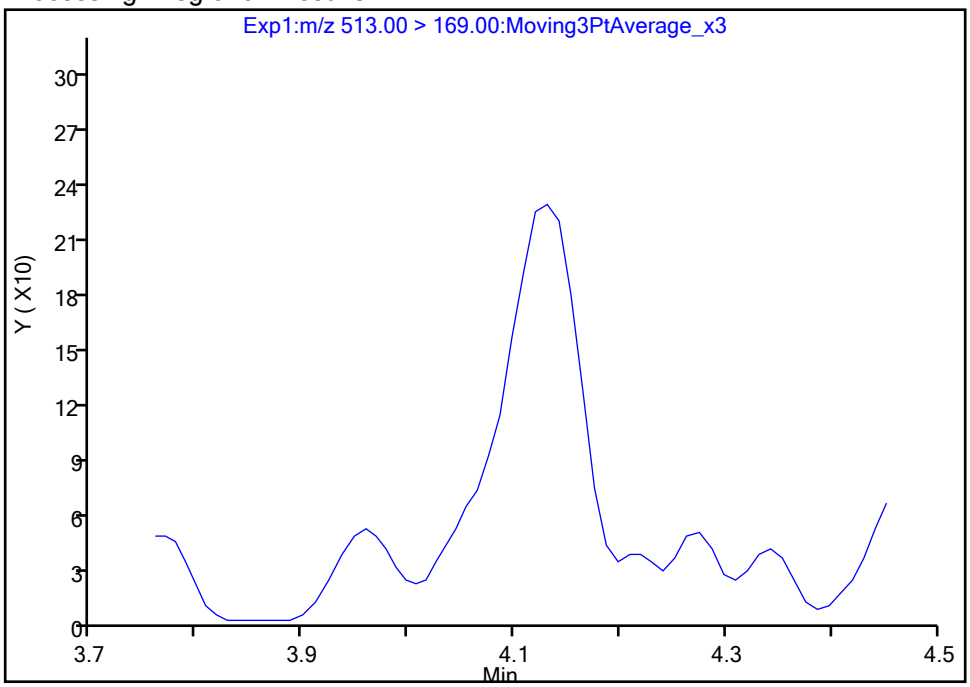
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL014.d				
Injection Date:	22-Dec-2020 13:37:53	Instrument ID:	LC812		
Lims ID:	ICB				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

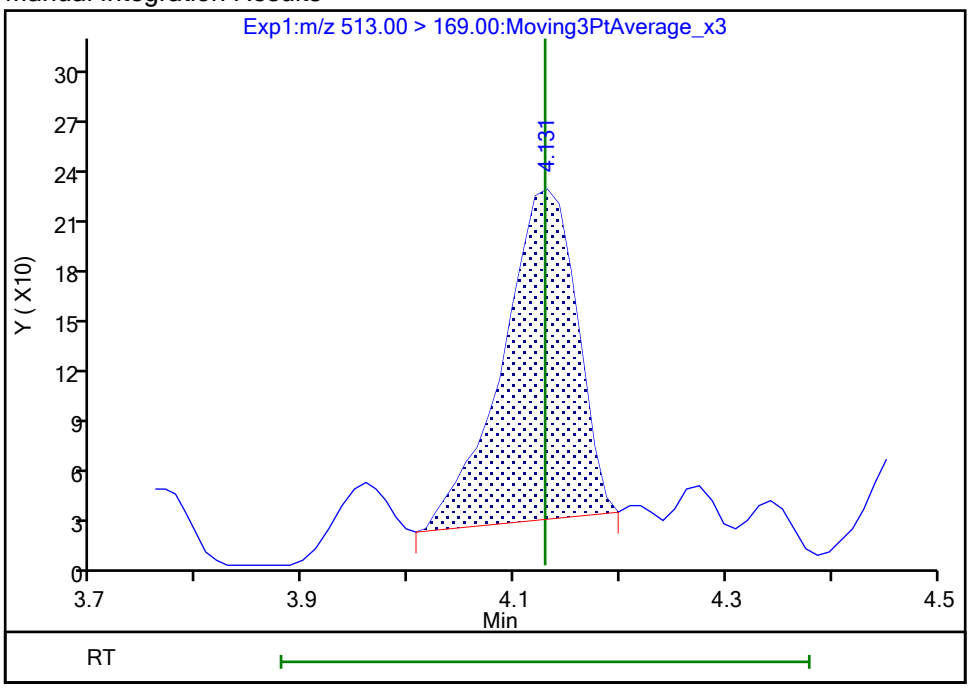
Not Detected
Expected RT: 4.13

Processing Integration Results



Manual Integration Results

RT: 4.13
Area: 974
Amount: 0.009551
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 15:11:38
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

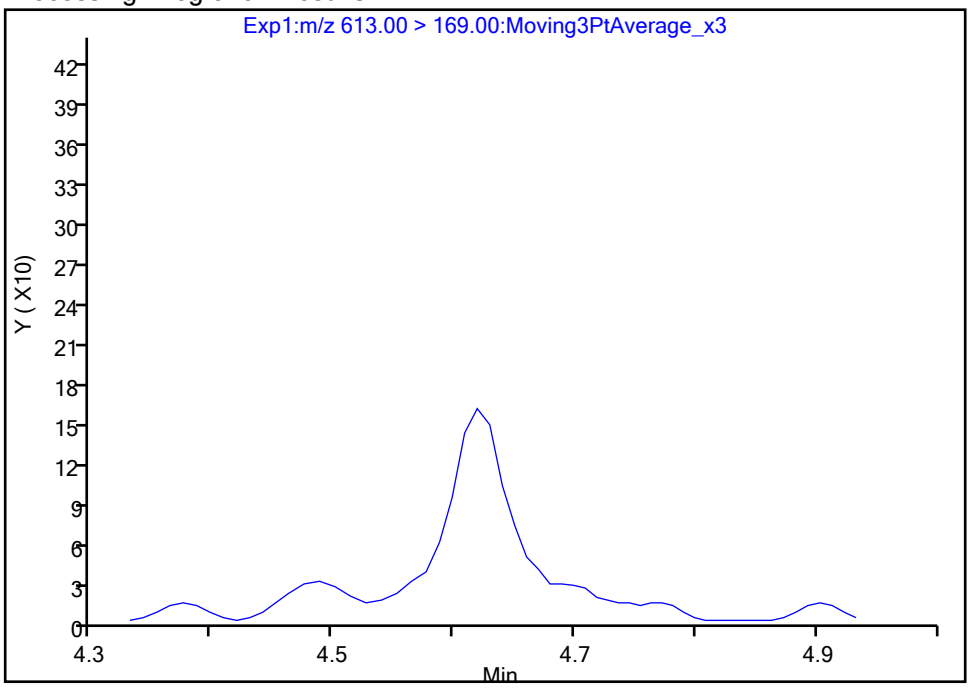
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Injection Date:	22-Dec-2020 13:37:53	Instrument ID:	LC812		
Lims ID:	ICB				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

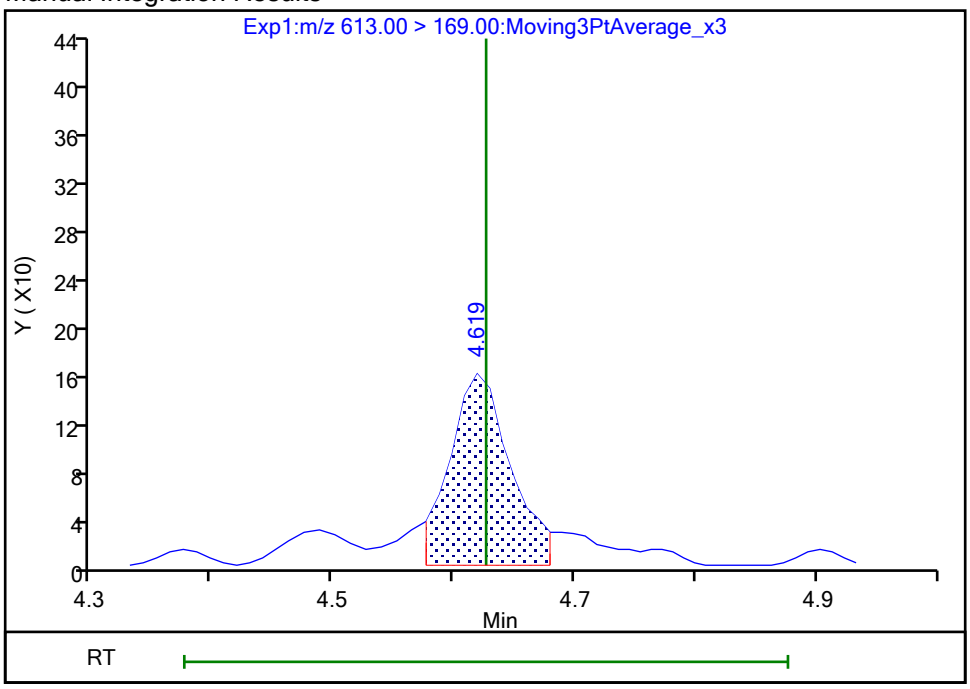
Not Detected
Expected RT: 4.63

Processing Integration Results



Manual Integration Results

RT: 4.62
Area: 543
Amount: 0.010261
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 15:15:22
Audit Action: Manually Integrated Audit Reason: Missed Peak

Eurofins TestAmerica, Burlington

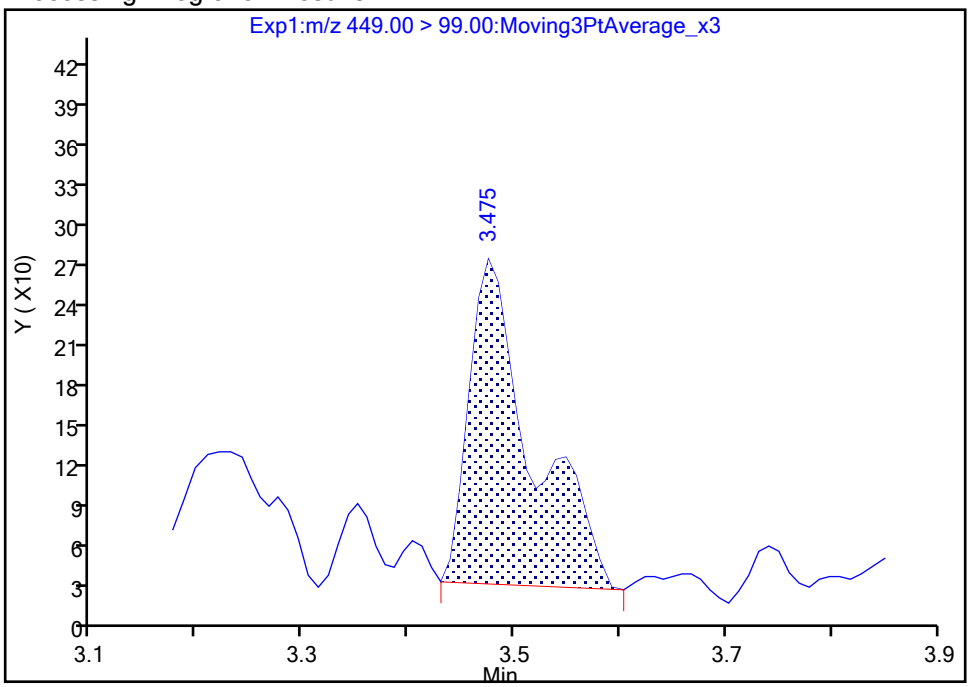
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL014.d				
Injection Date:	22-Dec-2020 13:37:53	Instrument ID:	LC812		
Lims ID:	ICB				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

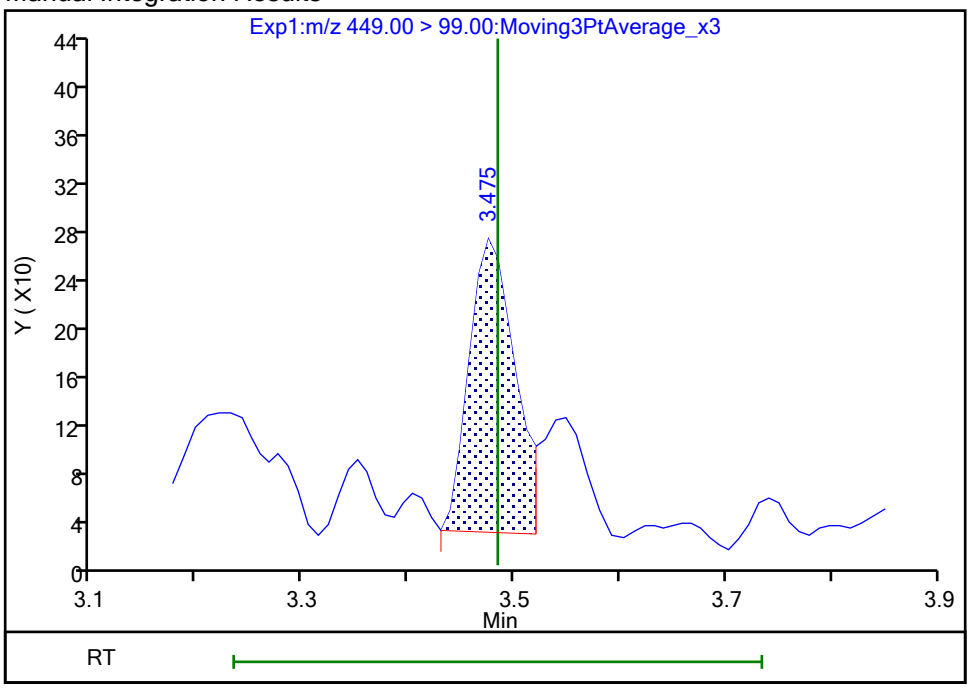
Processing Integration Results

RT: 3.48
Area: 1008
Amount: 0.008490
Amount Units: ng/ml



Manual Integration Results

RT: 3.48
Area: 729
Amount: 0.008490
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 15:09:57
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

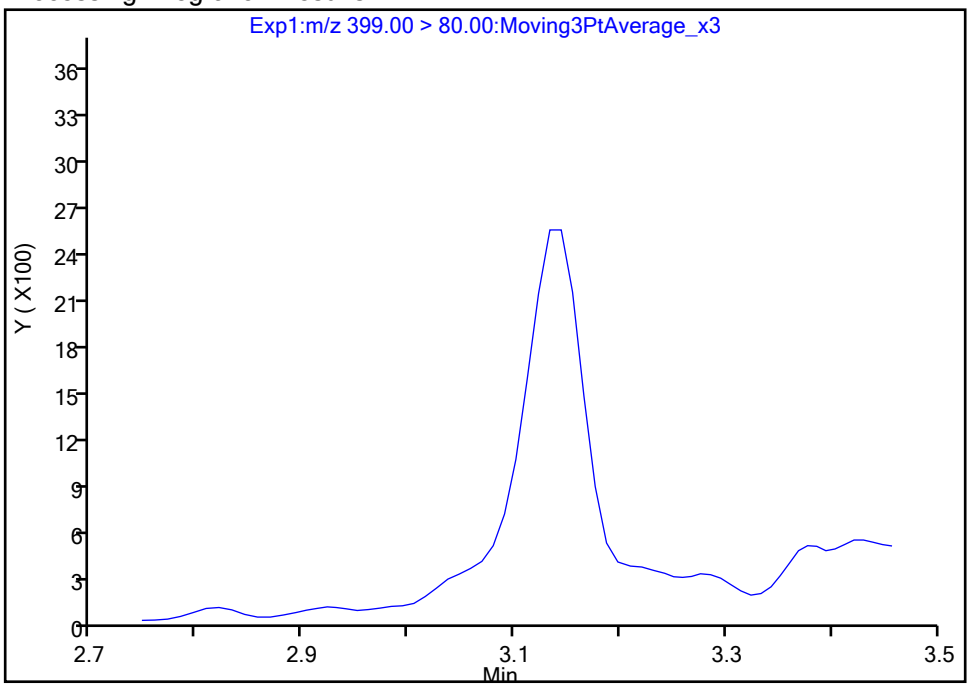
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL014.d				
Injection Date:	22-Dec-2020 13:37:53	Instrument ID:	LC812		
Lims ID:	ICB				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

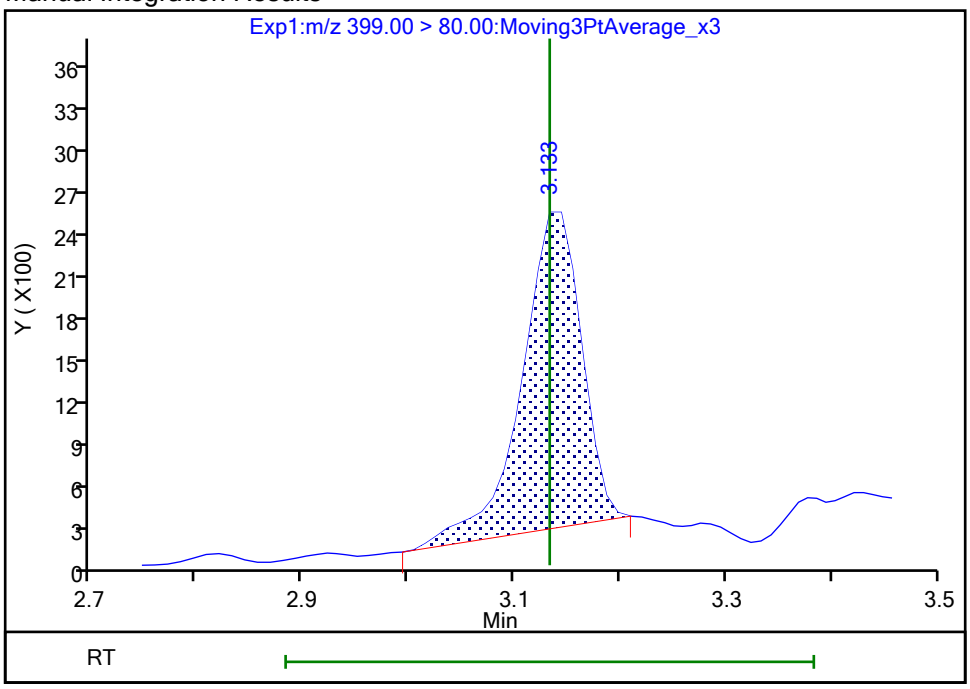
Not Detected
Expected RT: 3.13

Processing Integration Results



Manual Integration Results

RT: 3.13
Area: 8748
Amount: 0.011496
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 15:09:38
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

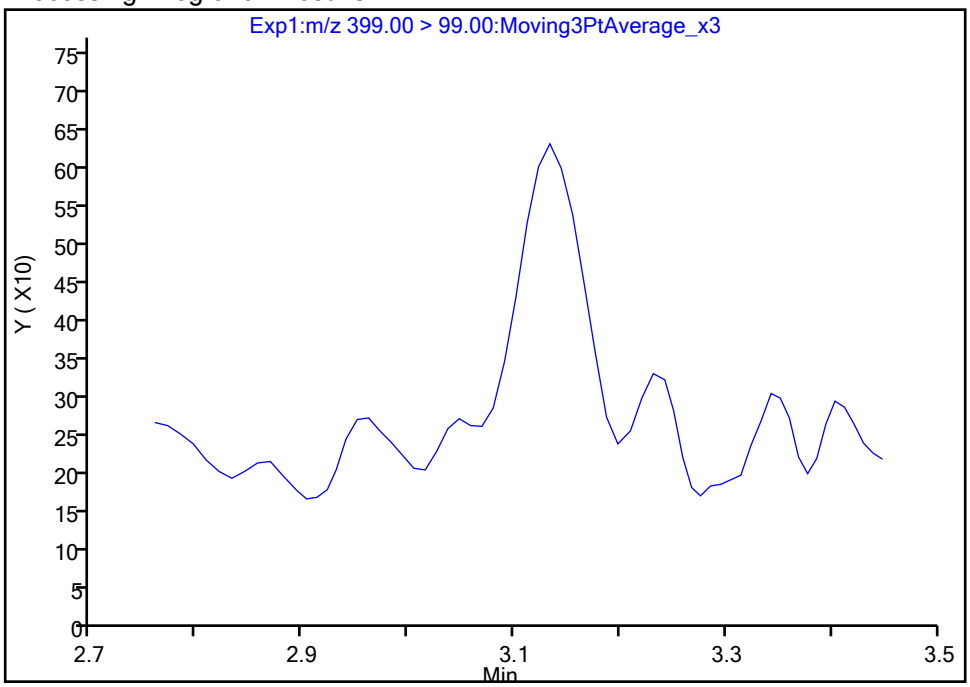
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL014.d				
Injection Date:	22-Dec-2020 13:37:53	Instrument ID:	LC812		
Lims ID:	ICB				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

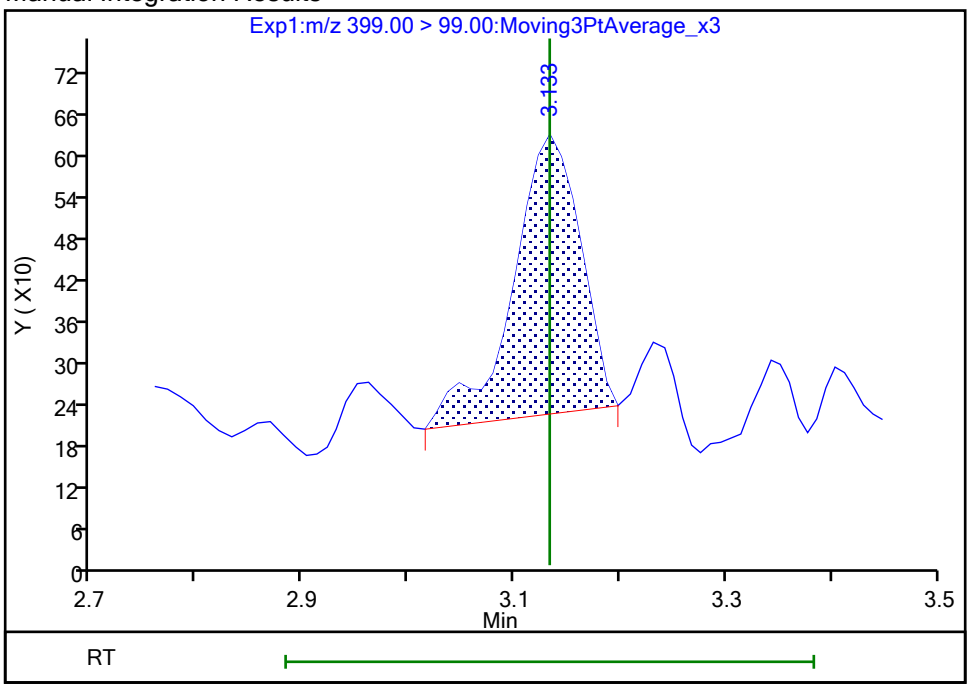
Not Detected
Expected RT: 3.13

Processing Integration Results



Manual Integration Results

RT: 3.13
Area: 1791
Amount: 0.011496
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 15:09:44
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

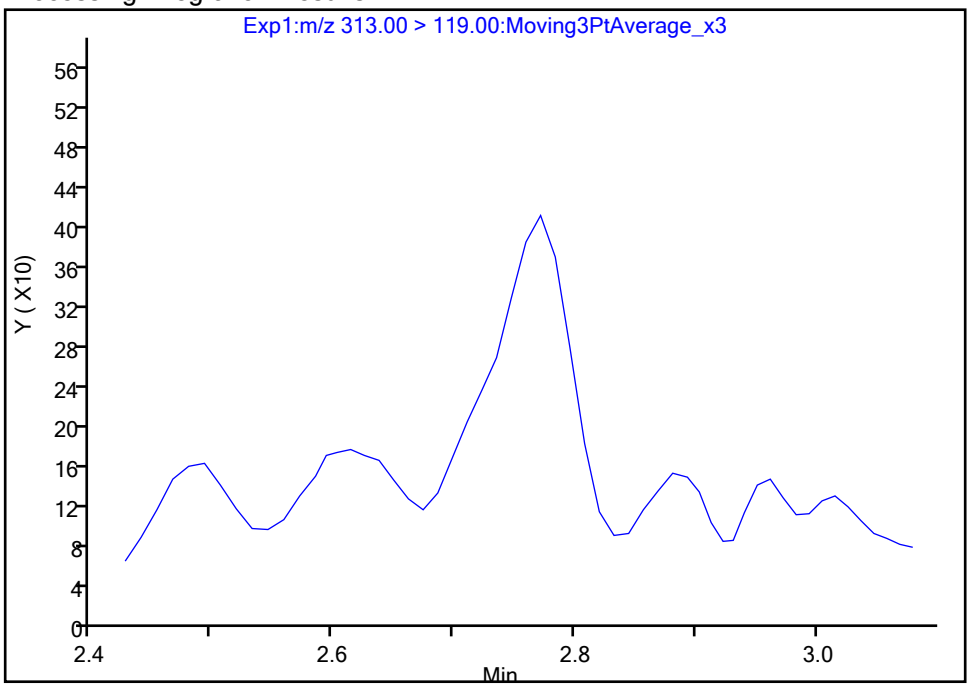
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL014.d
Injection Date: 22-Dec-2020 13:37:53 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

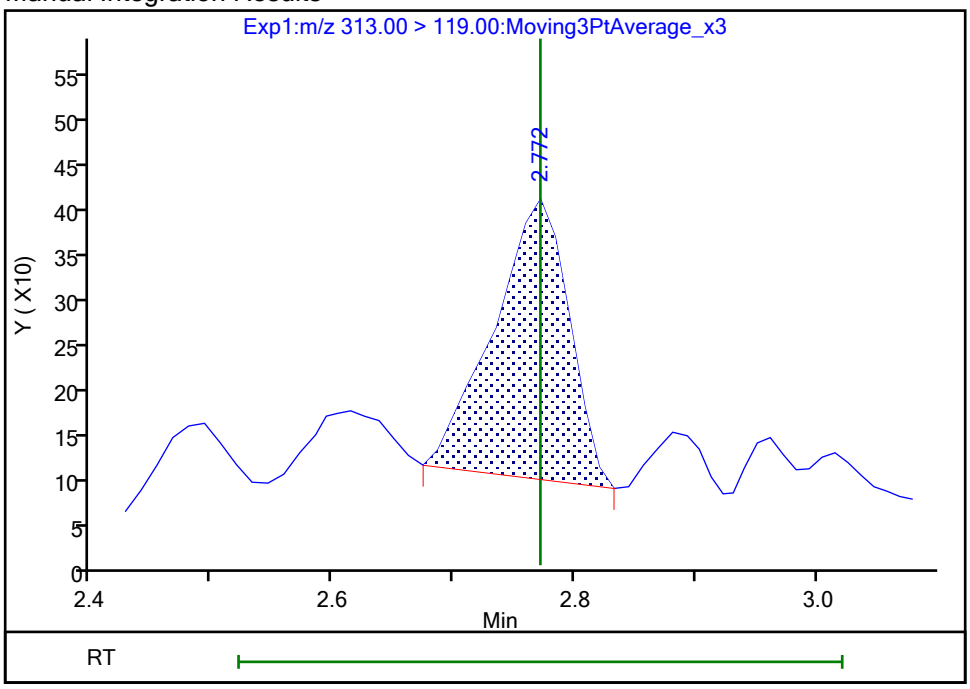
Not Detected
Expected RT: 2.77

Processing Integration Results



Manual Integration Results

RT: 2.77
Area: 1355
Amount: 0.013375
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 15:09:25
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

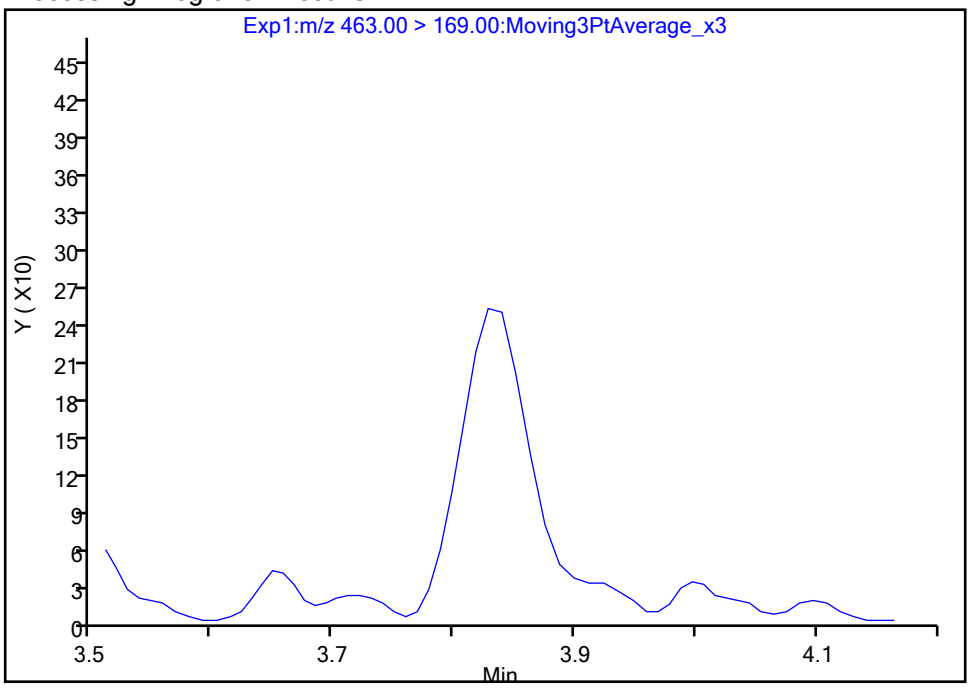
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL014.d				
Injection Date:	22-Dec-2020 13:37:53	Instrument ID:	LC812		
Lims ID:	ICB				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

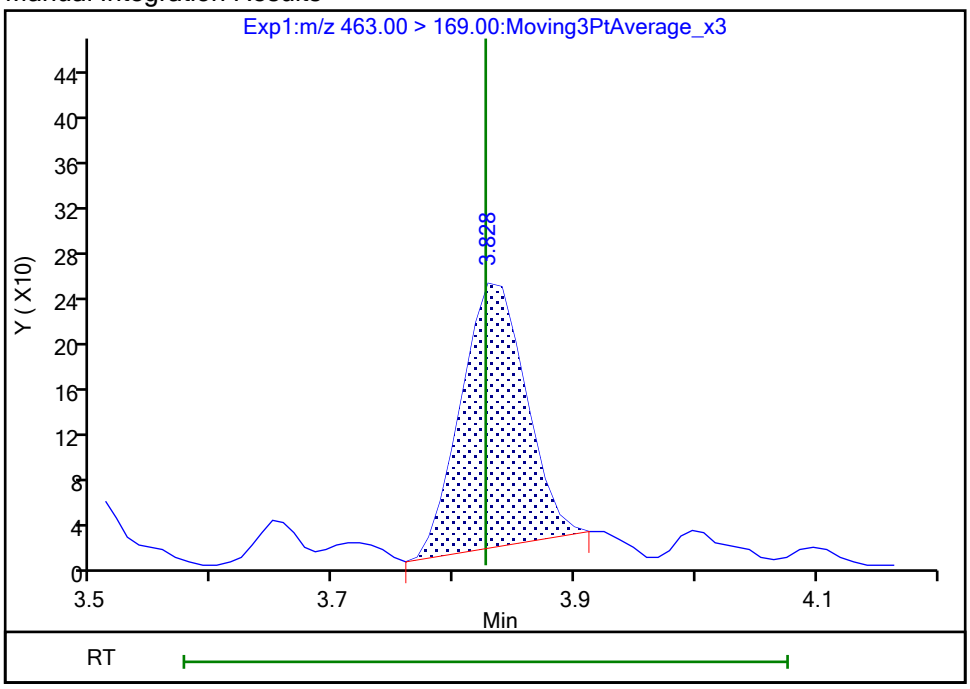
Not Detected
Expected RT: 3.83

Processing Integration Results



Manual Integration Results

RT: 3.83
Area: 881
Amount: 0.012125
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 15:11:27
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

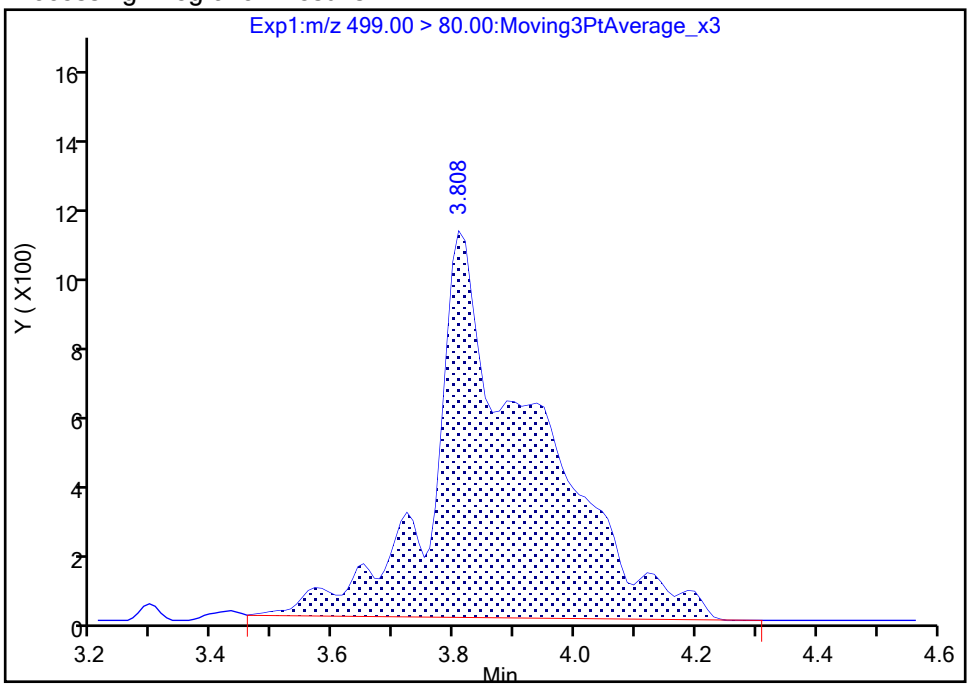
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL014.d				
Injection Date:	22-Dec-2020 13:37:53	Instrument ID:	LC812		
Lims ID:	ICB				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

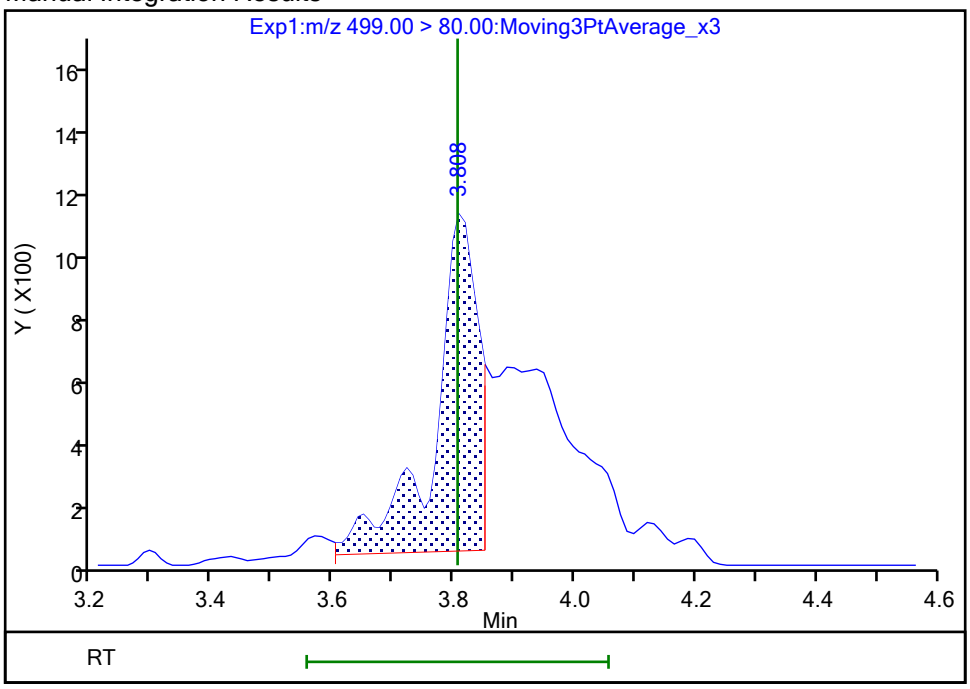
Processing Integration Results

RT: 3.81
Area: 12829
Amount: 0.024980
Amount Units: ng/ml



Manual Integration Results

RT: 3.81
Area: 5152
Amount: 0.010032
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 15:11:03

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

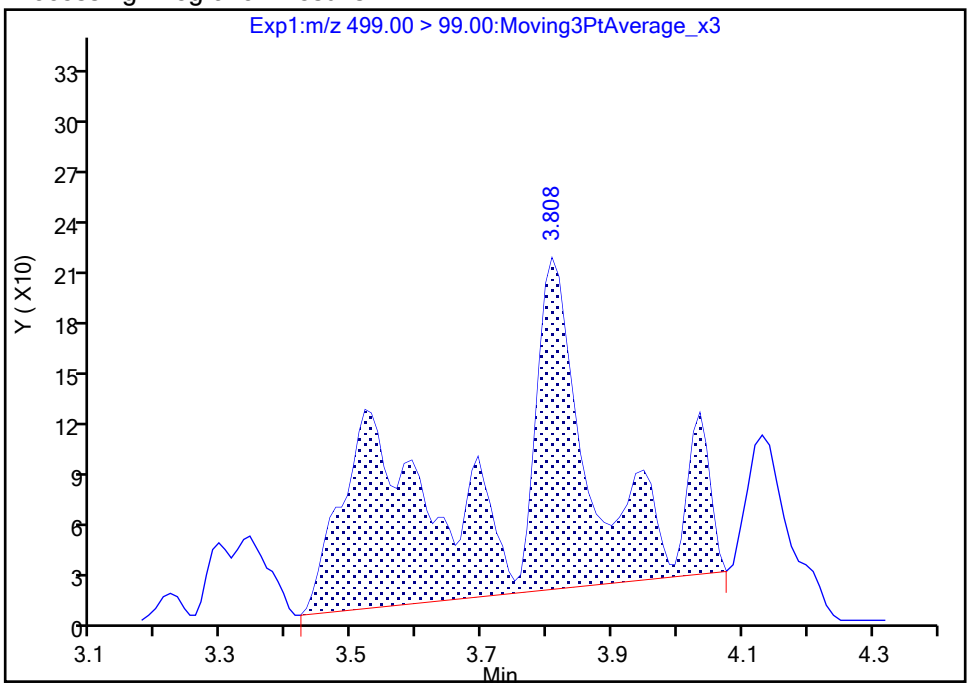
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL014.d				
Injection Date:	22-Dec-2020 13:37:53	Instrument ID:	LC812		
Lims ID:	ICB				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

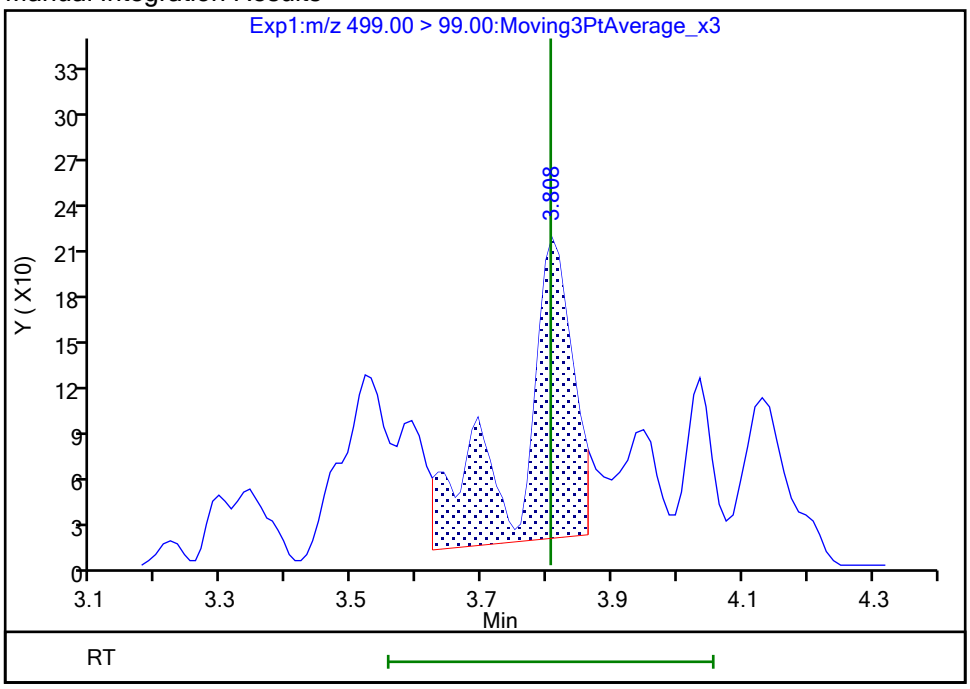
Processing Integration Results

RT: 3.81
Area: 2463
Amount: 0.024980
Amount Units: ng/ml



Manual Integration Results

RT: 3.81
Area: 1104
Amount: 0.010032
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 15:11:15

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

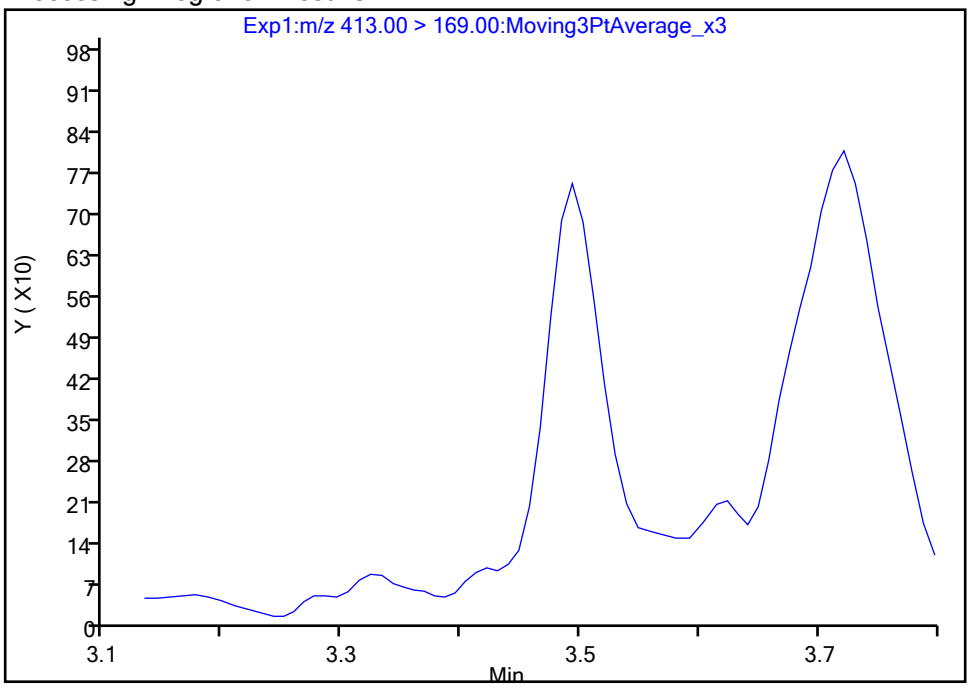
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL014.d				
Injection Date:	22-Dec-2020 13:37:53	Instrument ID:	LC812		
Lims ID:	ICB				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

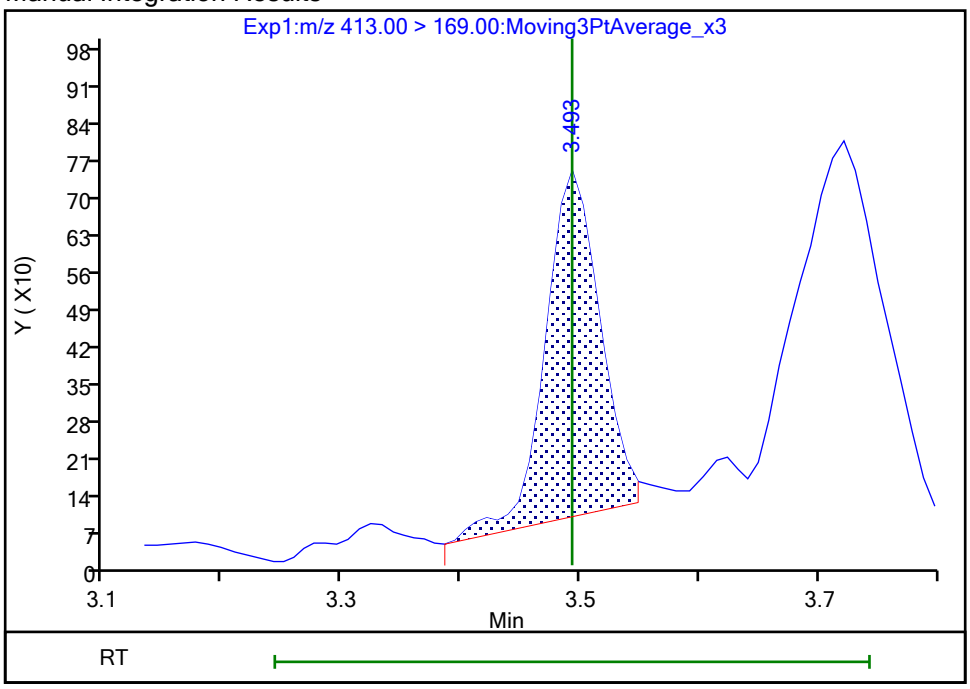
Not Detected
Expected RT: 3.49

Processing Integration Results



Manual Integration Results

RT: 3.49
Area: 2098
Amount: 0.012125
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 15:10:29
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

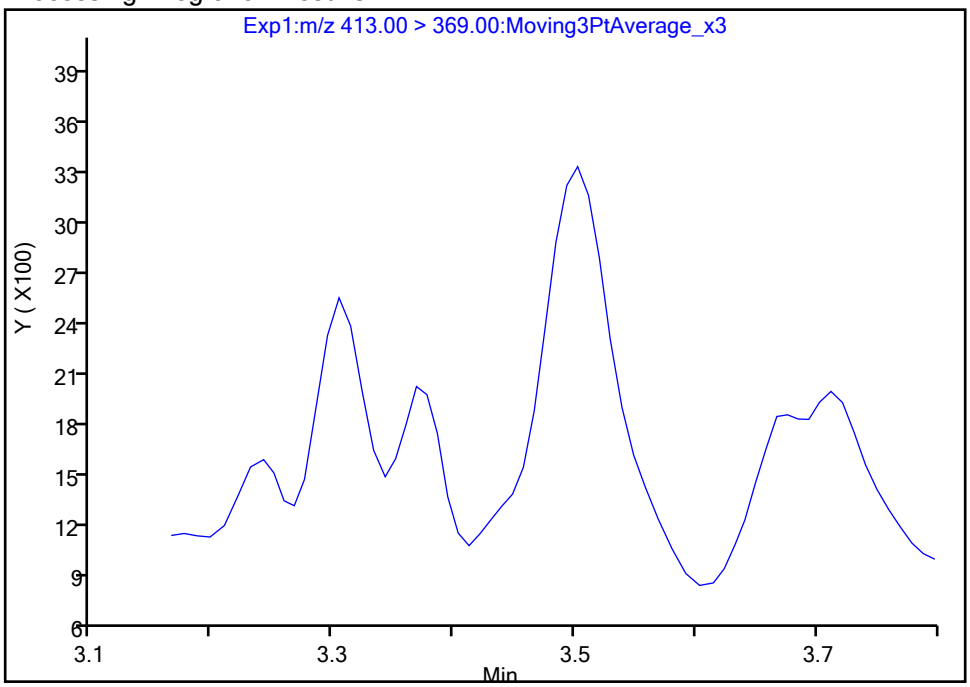
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL014.d				
Injection Date:	22-Dec-2020 13:37:53	Instrument ID:	LC812		
Lims ID:	ICB				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

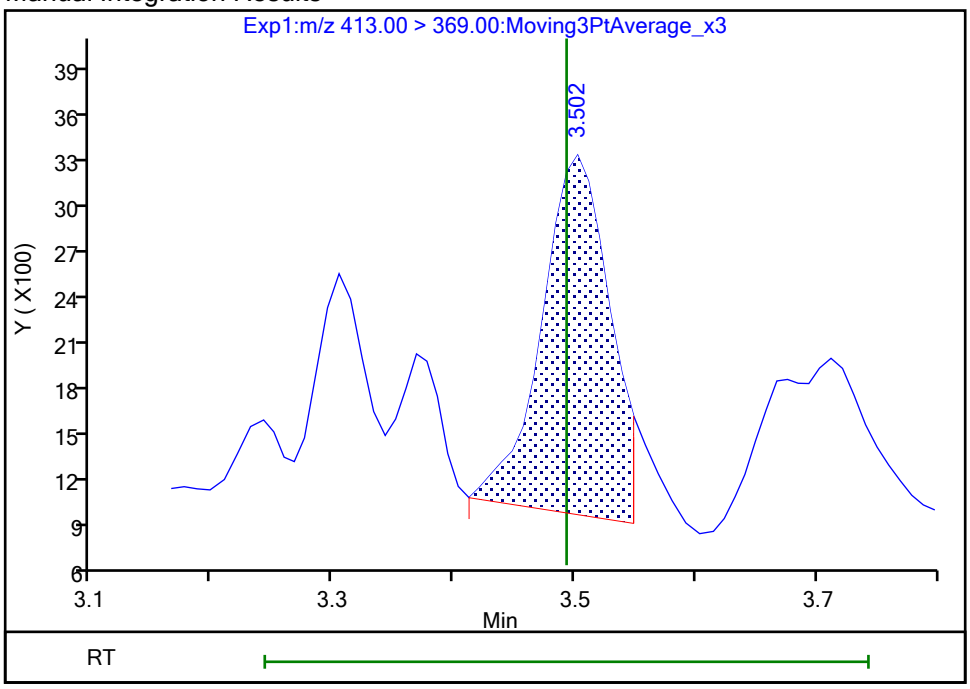
Not Detected
Expected RT: 3.49

Processing Integration Results



Manual Integration Results

RT: 3.50
Area: 9141
Amount: 0.012125
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 15:10:33
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

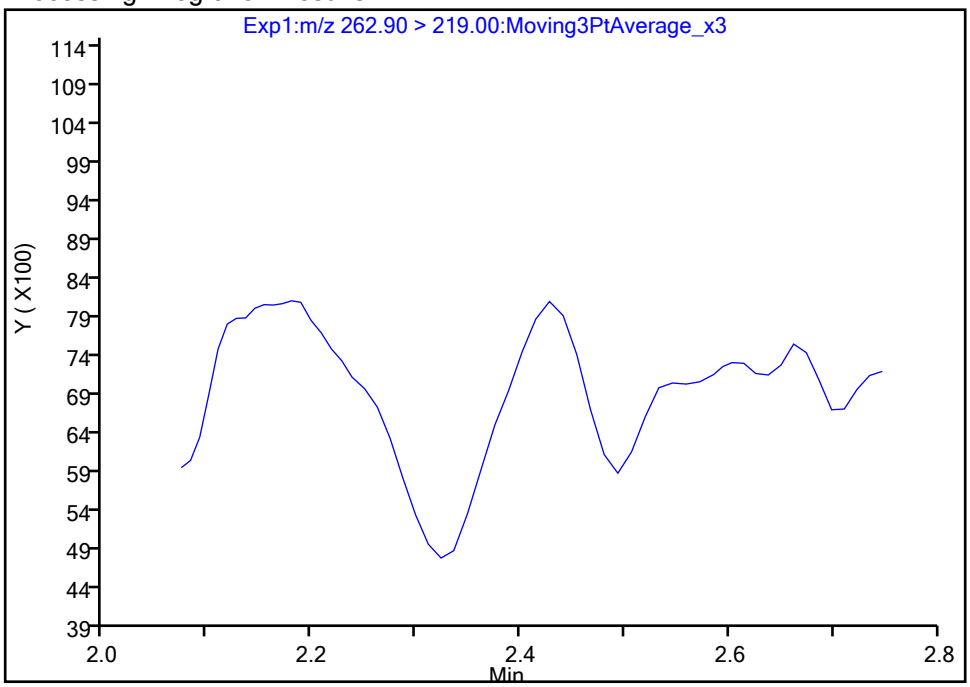
Data File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL014.d
Injection Date: 22-Dec-2020 13:37:53 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

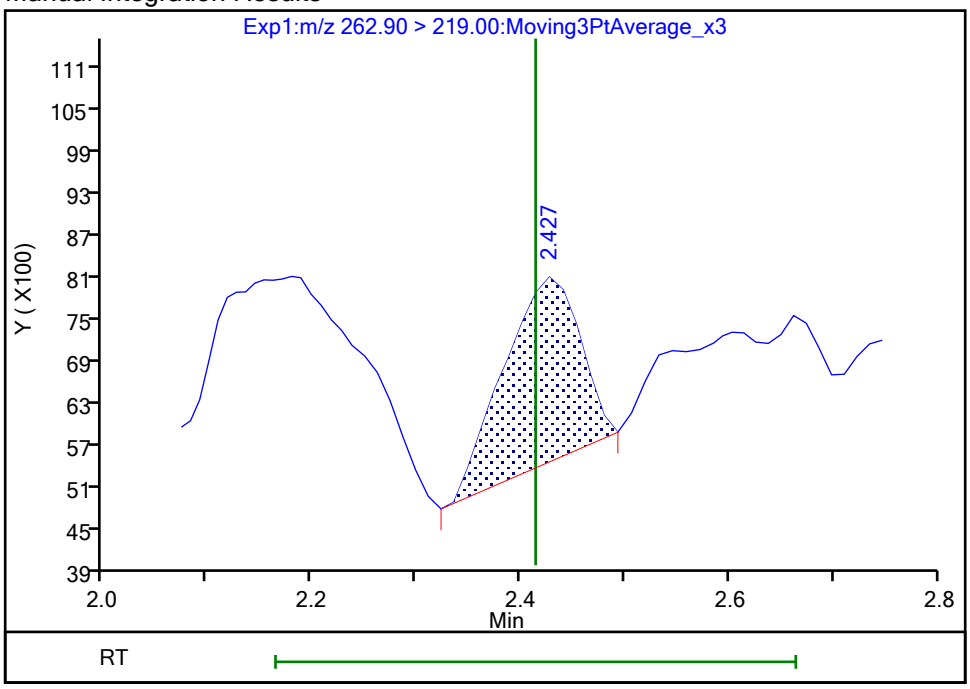
Not Detected
Expected RT: 2.41

Processing Integration Results



Manual Integration Results

RT: 2.43
Area: 13607
Amount: 0.017651
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 15:08:53
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

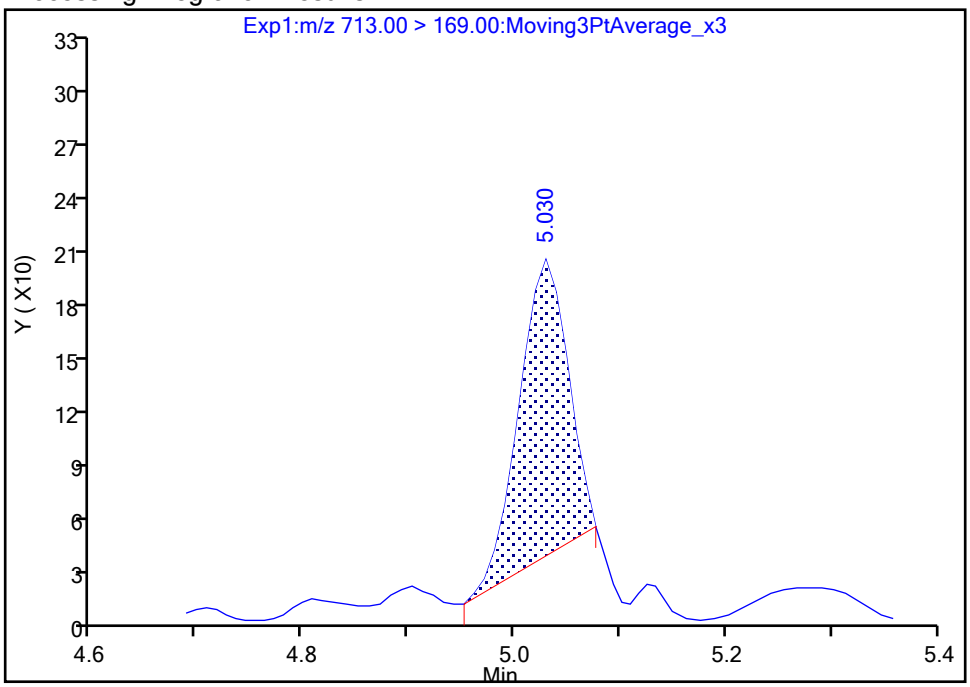
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL014.d				
Injection Date:	22-Dec-2020 13:37:53	Instrument ID:	LC812		
Lims ID:	ICB				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

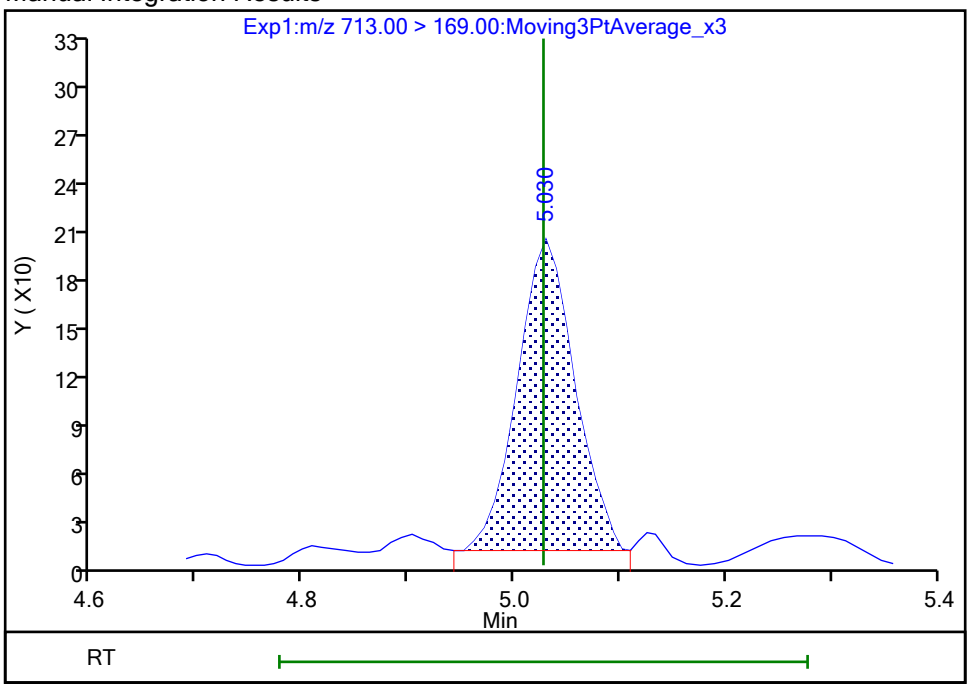
Processing Integration Results

RT: 5.03
Area: 527
Amount: 0.007894
Amount Units: ng/ml



Manual Integration Results

RT: 5.03
Area: 718
Amount: 0.010754
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 15:16:12

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

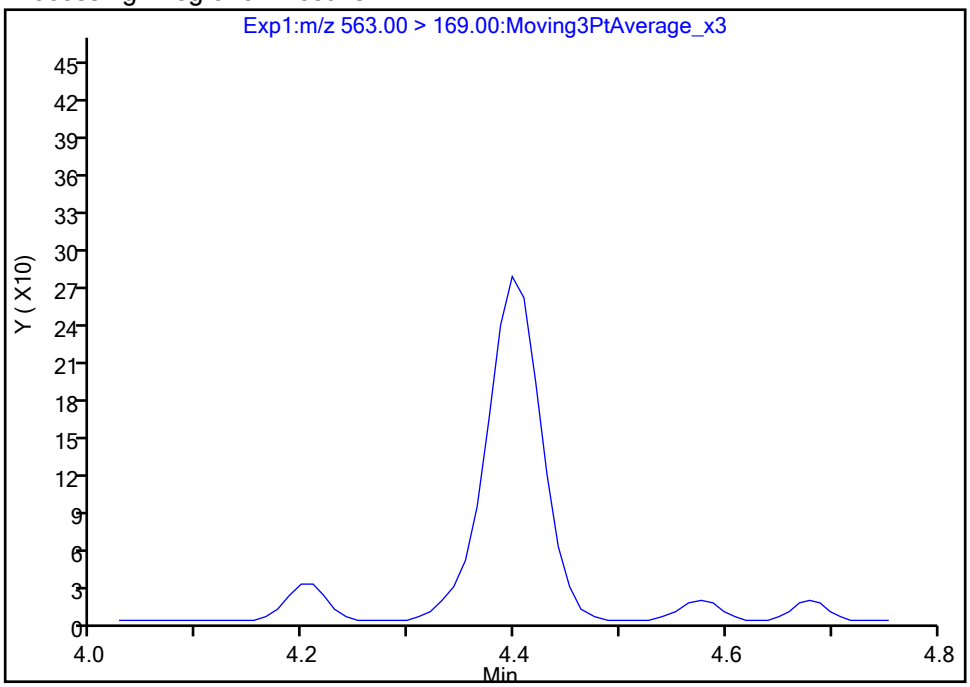
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL014.d				
Injection Date:	22-Dec-2020 13:37:53	Instrument ID:	LC812		
Lims ID:	ICB				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

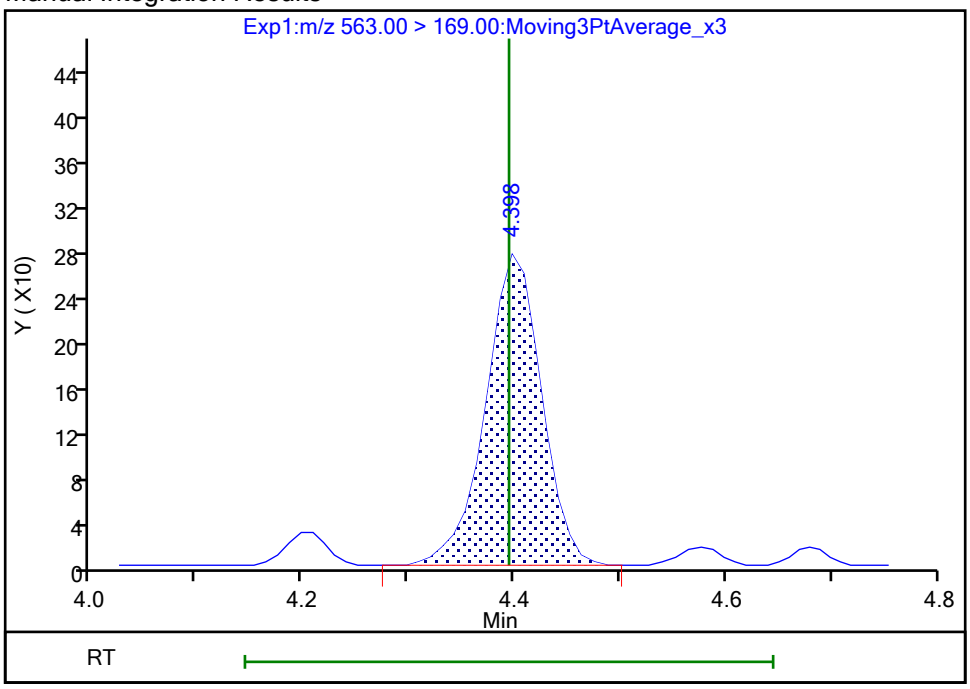
Not Detected
Expected RT: 4.39

Processing Integration Results



Manual Integration Results

RT: 4.40
Area: 1008
Amount: 0.012137
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 15:14:13
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

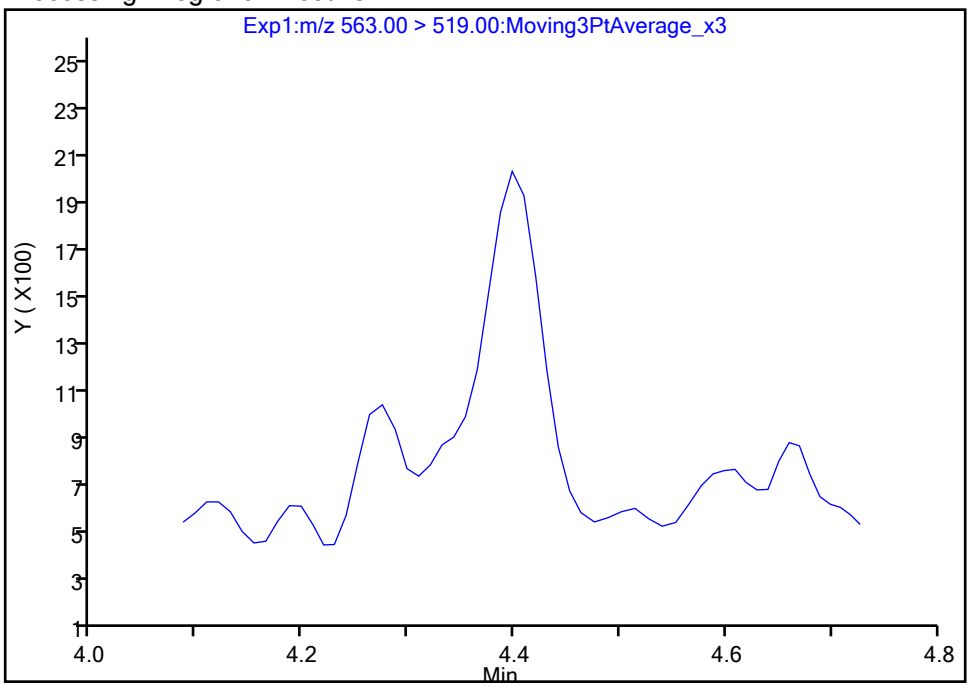
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL014.d				
Injection Date:	22-Dec-2020 13:37:53	Instrument ID:	LC812		
Lims ID:	ICB				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

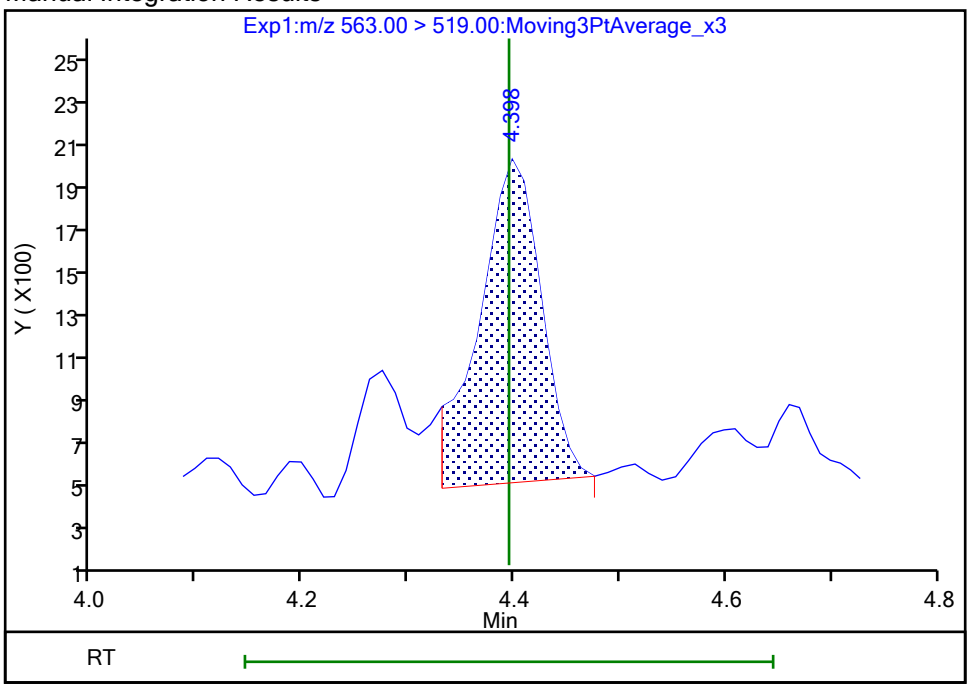
Not Detected
Expected RT: 4.39

Processing Integration Results



Manual Integration Results

RT: 4.40
Area: 5801
Amount: 0.012137
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 15:14:21
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

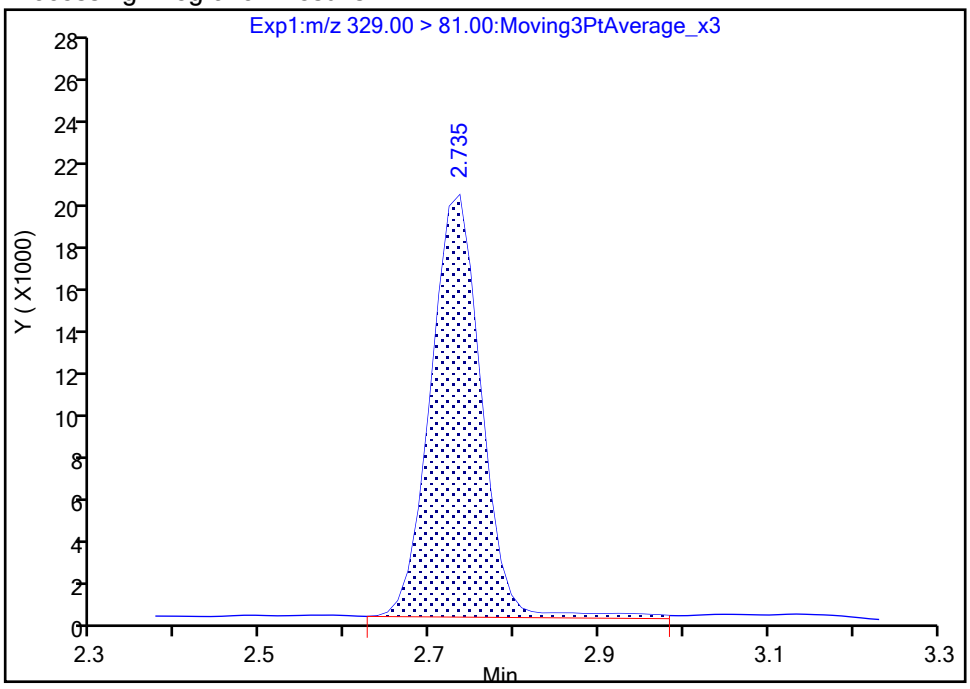
Data File:	\\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL014.d				
Injection Date:	22-Dec-2020 13:37:53	Instrument ID:	LC812		
Lims ID:	ICB				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 60 M2-4:2 FTS, CAS: STL02395

Signal: 1

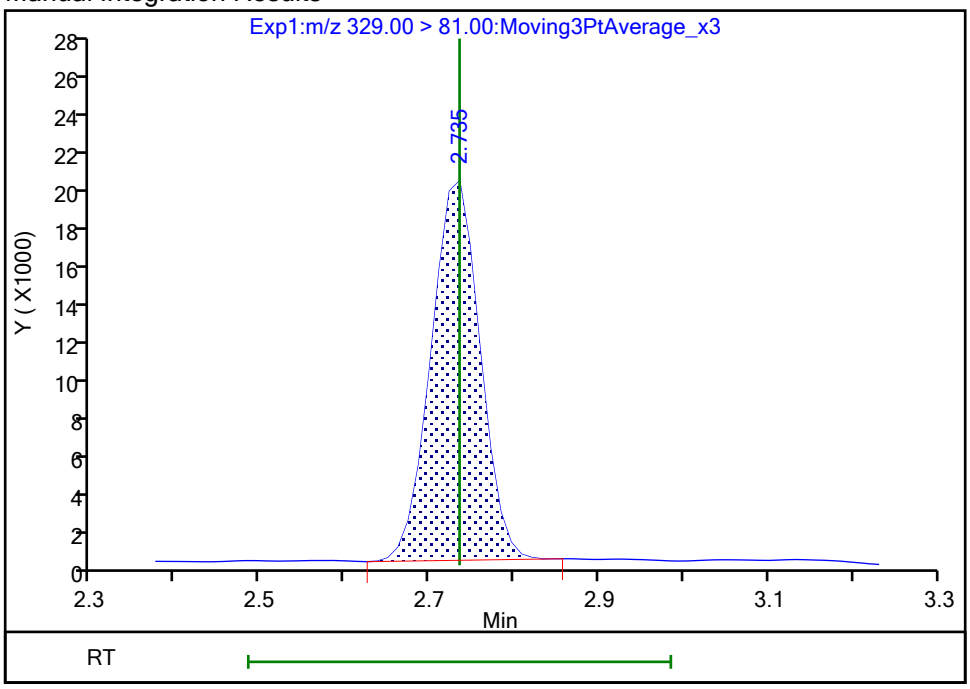
Processing Integration Results

RT: 2.74
Area: 82733
Amount: 1.107642
Amount Units: ng/ml



Manual Integration Results

RT: 2.74
Area: 79652
Amount: 1.066393
Amount Units: ng/ml



Reviewer: deannd, 22-Dec-2020 15:12:28

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-164458/2-A

Matrix: Water Lab File ID: PA210303B03.d

Analysis Method: 537 (modified) Date Collected:

Extraction Method: 3535 Date Extracted: 03/03/2021 08:24

Sample wt/vol: 250(mL) Date Analyzed: 03/03/2021 19:14

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 164492 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
39108-34-4	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	29.9		2.0	0.66
27619-97-2	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	35.3		5.0	0.72
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	38.1		5.0	0.93
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	37.5		5.0	0.79
375-73-5	Perfluorobutanesulfonic acid (PFBS)	36.1		2.0	0.63
375-22-4	Perfluorobutanoic acid (PFBA)	39.6		5.0	1.1
335-77-3	Perfluorodecanesulfonic acid (PFDS)	38.0		2.0	0.48
335-76-2	Perfluorodecanoic acid (PFDA)	41.5		2.0	0.46
307-55-1	Perfluorododecanoic acid (PFDoA)	36.5		2.0	0.46
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	40.4		2.0	0.39
375-85-9	Perfluoroheptanoic acid (PFHpA)	41.3		2.0	0.46
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	35.6		2.0	0.67
307-24-4	Perfluorohexanoic acid (PFHxA)	39.8		2.0	0.83
375-95-1	Perfluorononanoic acid (PFNA)	41.3		2.0	0.58
754-91-6	Perfluorooctanesulfonamide (PFOSA)	43.3		2.0	0.57
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	37.5		2.0	0.87
335-67-1	Perfluorooctanoic acid (PFOA)	41.5		2.0	0.98
2706-90-3	Perfluoropentanoic acid (PFPeA)	40.2		2.0	1.1
376-06-7	Perfluorotetradecanoic acid (PFTeA)	44.4		2.0	0.59
72629-94-8	Perfluorotridecanoic acid (PFTriA)	39.1		2.0	0.43
2058-94-8	Perfluoroundecanoic acid (PFUnA)	41.1		2.0	0.73

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-164458/2-A

Matrix: Water Lab File ID: PA210303B03.d

Analysis Method: 537 (modified) Date Collected:

Extraction Method: 3535 Date Extracted: 03/03/2021 08:24

Sample wt/vol: 250(mL) Date Analyzed: 03/03/2021 19:14

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 164492 Units: ng/L

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00996	13C2 PFDA	99		50-150
STL00998	13C2 PFDoA	87		50-150
STL00993	13C2 PFHxA	111		50-150
STL02116	13C2 PFTeDA	86		50-150
STL00997	13C2 PFUnA	95		50-150
STL02337	13C3 PFBS	105		50-150
STL00992	13C4 PFBA	113		25-150
STL01892	13C4 PFHpA	108		50-150
STL00990	13C4 PFOA	108		50-150
STL00991	13C4 PFOS	105		50-150
STL00995	13C5 PFNA	103		50-150
STL01893	13C5 PFPeA	110		25-150
STL01056	13C8 FOSA	83		25-150
STL00994	18O2 PFHxS	107		50-150
STL02118	d3-NMeFOSAA	92		50-150
STL02117	d5-NEtFOSAA	99		50-150
STL02279	M2-6:2 FTS	105		25-150
STL02280	M2-8:2 FTS	105		25-150

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B03.d
Lims ID: LCS 200-164458/2-A
Client ID:
Sample Type: LCS
Inject. Date: 03-Mar-2021 19:14:41 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: LCS 200-164458/2-A
Misc. Info.: 200-0045034-003 Plate: 1 Rack: 2
Operator ID: lc812tech Instrument ID: LC812

Method: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 04-Mar-2021 11:30:53 Calib Date: 22-Dec-2020 13:29:37
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1647

First Level Reviewer: khanphomeea Date: 04-Mar-2021 10:24:33
Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.080	2.091	-0.011	0.596	1540341	1.42		113	12979	
2 Perfluorobutanoic acid										
212.90 > 169.00	2.080	2.091	-0.011	1.000	1220894	0.9888		98.9	308	
D 3 13C5 PFPeA										
267.90 > 223.00	2.398	2.413	-0.015	0.687	1084260	1.38		110	3951	
4 Perfluoropentanoic acid										
262.90 > 219.00	2.411	2.413	-0.002	1.005	965430	1.01		101	50.9	
D 47 13C3 PFBS										M
301.90 > 80.00	2.424	2.439	-0.015	0.694	1258571	1.22		105	250737	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.424	2.439	-0.015	1.000	1105298	0.9024	Target=2.21	102	2152	
298.90 > 99.00	2.424	2.439	-0.015	1.000	495836		2.23(1.11-3.32)		400	M
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.732	2.734	-0.002	0.782	99296	1.15		98.5	109	M
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.732	2.734	-0.002	1.000	151469	0.9712		104	1763	
D 7 13C2 PFHxA										
315.00 > 270.00	2.768	2.770	-0.002	0.793	1143055	1.39		111	4656	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.768	2.770	-0.002	1.000	994185	1.00	Target=12.83	99.5	235	
313.00 > 119.00	2.768	2.770	-0.002	1.000	84483		11.77(6.42-19.25)		163	M
70 Perfluoropentanesulfonic acid										
349.00 > 80.00	2.768	2.783	-0.015	0.884	1013858	0.9355	Target=3.35	99.7	2187	
349.00 > 99.00	2.768	2.783	-0.015	0.884	291198		3.48(1.67-5.02)		744	
D 64 13C3 HFPO-DA										
332.10 > 287.00	2.878	2.880	-0.002	0.824	134840	0.9289		74.3	1182	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
67 Perfluoro(2-propoxypropanoic) ac										M
329.10 > 285.00	2.878	2.880	-0.002	1.000	180288	1.21		121	40.9	M
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.132	3.132	0.0	1.000	865090	0.8889	Target=4.15	97.7	1414	M
399.00 > 99.00	3.132	3.132	0.0	1.000	208003		4.16(2.08-6.23)		294	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.132	3.132	0.0	0.897	976536	1.27		107	2650	
D 9 13C4 PFHpA										
367.00 > 322.00	3.132	3.143	-0.011	0.897	1063282	1.35		108	2947	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.132	3.143	-0.011	1.000	958507	1.03	Target=3.66	103	318	
363.00 > 169.00	3.132	3.143	-0.011	1.000	265061		3.62(1.83-5.49)		584	
77 DONA										
377.00 > 251.00	3.175	3.175	0.0	0.835	1778754	0.9549	Target=2.43	101	2259	
377.00 > 85.00	3.175	3.175	0.0	0.835	739985		2.40(1.22-3.65)		1276	
16 Perfluoroheptanesulfonic acid										
449.00 > 80.00	3.483	3.483	0.0	0.916	759258	1.01	Target=5.95	106	2194	
449.00 > 99.00	3.483	3.483	0.0	0.916	123913		6.13(2.98-8.93)		631	
D 12 M2-6:2 FTS										
429.00 > 81.00	3.483	3.483	0.0	0.997	119359	1.24		105	398	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.483	3.483	0.0	1.000	98602	0.8819		93.0	1039	M
D 14 13C4 PFOA										
417.00 > 372.00	3.492	3.492	0.0	1.000	1083591	1.35		108	2384	
* 62 13C2 PFOA										
415.00 > 370.00	3.492	3.492	0.0		1012670	1.25			3618	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.492	3.492	0.0	1.000	975360	1.04	Target=2.58	104	298	
413.00 > 169.00	3.492	3.492	0.0	1.000	393690		2.48(1.29-3.87)		818	M
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.804	3.804	0.0	1.000	599127	0.9364	Target=5.65	101	439	M
499.00 > 99.00	3.804	3.804	0.0	1.000	100921		5.94(2.82-8.47)		381	M
D 18 13C4 PFOS										
503.00 > 80.00	3.804	3.804	0.0	1.089	664778	1.26		105	2954	
D 19 13C5 PFNA										
468.00 > 423.00	3.825	3.825	0.0	1.095	911957	1.29		103	3466	
20 Perfluorononanoic acid										
463.00 > 419.00	3.825	3.825	0.0	1.000	833710	1.03	Target=7.44	103	207	
463.00 > 169.00	3.825	3.825	0.0	1.000	121376		6.87(3.72-11.16)		1223	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.964	3.964	0.0	1.042	614979	0.8615		92.4	2570	
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.093	4.093	0.0	1.076	462667	0.9693	Target=2.54	101	2147	
549.00 > 99.00	4.093	4.093	0.0	1.076	162572		2.85(1.27-3.81)		663	
D 23 13C2 PFDA										
515.00 > 470.00	4.126	4.126	0.0	1.182	834251	1.23		98.7	5974	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										
513.00 > 469.00	4.126	4.126	0.0	1.000	712945	1.04	Target=9.29	104	707	
513.00 > 169.00	4.126	4.126	0.0	1.000	85728		8.32(4.64-13.93)		699	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.137	4.137	0.0	1.185	124768	1.26		105	617	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.137	4.137	0.0	1.000	52937	0.7471		78.0	880	M
D 21 13C8 FOSA										
506.00 > 78.00	4.215	4.225	-0.010	1.207	1028512	1.03		82.8	2633	
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.215	4.225	-0.010	1.000	892352	1.08		108	2664	
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.268	4.268	0.0	1.222	56178	1.15		91.6	154	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.268	4.268	0.0	1.000	37368	0.9381		93.8	308	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.358	4.358	0.0	1.146	361738	0.9506	Target=2.80	98.6	2508	
599.00 > 99.00	4.358	4.358	0.0	1.146	135133		2.68(1.40-4.19)		778	
D 30 13C2 PFUnA										
565.00 > 520.00	4.391	4.391	0.0	1.257	661660	1.19		95.3	2995	
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.391	4.391	0.0	1.000	554133	1.03	Target=8.12	103	443	
563.00 > 169.00	4.391	4.391	0.0	1.000	72165		7.68(4.06-12.18)		800	
D 32 d5-NEtFOSAA										M
589.00 > 419.00	4.402	4.402	0.0	1.261	58376	1.23		98.5	764	M
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.402	4.402	0.0	1.000	41151	0.9519		95.2	708	M
66 11-Chloroeicosafluoro-3-oxaundec										
631.00 > 451.00	4.480	4.480	0.0	1.178	528241	0.7132		75.7	2644	
D 36 13C2 PFDoA										
615.00 > 570.00	4.611	4.612	-0.001	1.320	634926	1.08		86.6	3658	
37 Perfluorododecanoic acid										
613.00 > 569.00	4.611	4.612	-0.001	1.000	510063	0.9130	Target=6.91	91.3	187	
613.00 > 169.00	4.611	4.612	-0.001	1.000	90742		5.62(3.45-10.36)		1610	
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.632	4.633	-0.001	1.120	27694	0.7591		78.7	566	
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.783	4.784	-0.001	1.257	126128	0.9008	Target=0.51	93.1	1430	
699.00 > 99.00	4.783	4.784	-0.001	1.257	242756		0.52(0.26-0.77)		1075	
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.822	4.823	-0.001	1.046	442821	0.9767	Target=4.39	97.7	201	
663.00 > 169.00	4.822	4.823	-0.001	1.046	110025		4.02(2.20-6.59)		1602	
D 43 13C2 PFTeDA										
715.00 > 670.00	5.014	5.005	0.009	1.436	466114	1.07		86.0	2070	
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.014	5.005	0.009	1.000	76705	1.11	Target=1.06	111	1389	
713.00 > 219.00	5.004	5.005	-0.001	0.998	72404		1.06(0.53-1.59)		2329	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 44 13C2 PFHxDA										
815.00 > 770.00	5.349	5.349	0.0	1.532	494227	1.07		85.3	2561	
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.361	5.349	0.012	1.002	373116	1.00	Target=3.84	99.8	178	
813.00 > 169.00	5.349	5.349	0.0	1.000	103629		3.60(1.92-5.76)		1633	
46 Perfluorooctadecanoic acid										
913.00 > 869.00	5.674	5.665	0.009	1.061	321879	0.9048	Target=3.92	90.5	333	
913.00 > 169.00	5.674	5.665	0.009	1.061	88998		3.62(1.96-5.88)		1125	

QC Flag Legend

Processing Flags

Review Flags

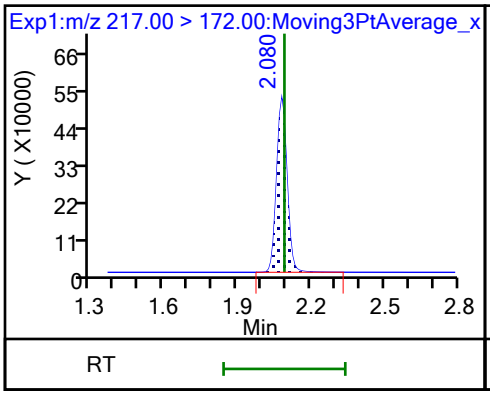
M - Manually Integrated

Report Date: 04-Mar-2021 11:30:58 Chrom Revision: 2.3 05-Feb-2021 00:13:28

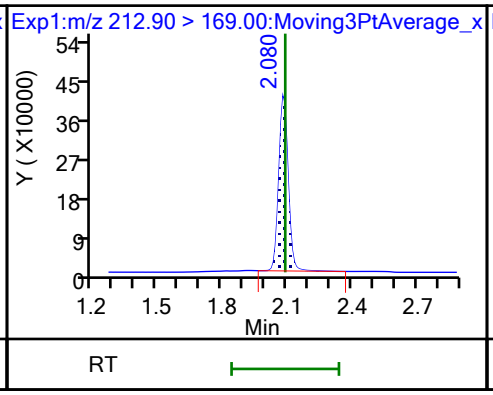
Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B03.d
Injection Date: 03-Mar-2021 19:14:41 Instrument ID: LC812
Lims ID: LCS 200-164458/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL

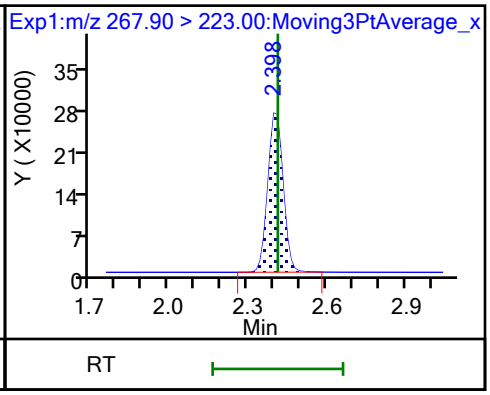
D 1 13C4 PFBA



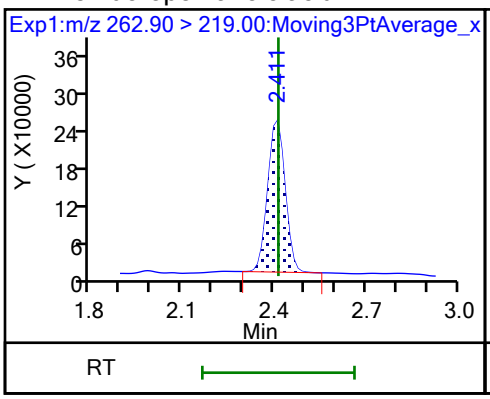
2 Perfluorobutanoic acid



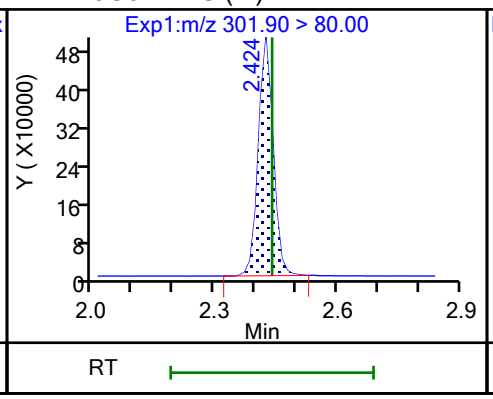
D 3 13C5 PFPeA



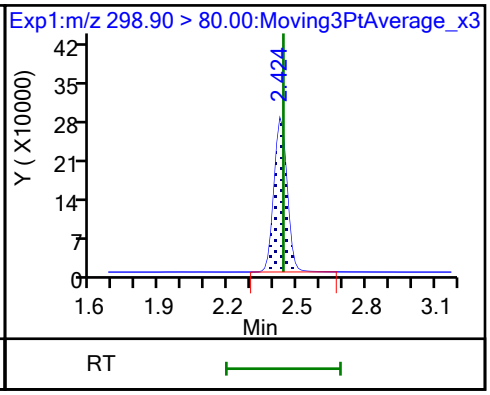
4 Perfluoropentanoic acid



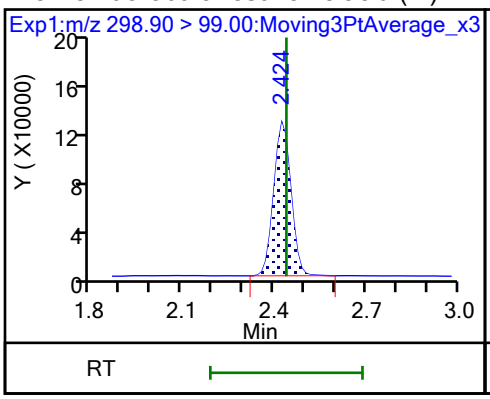
D 47 13C3 PFBS (M)



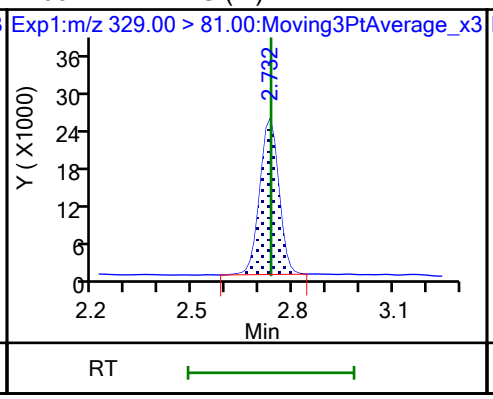
5 Perfluorobutanesulfonic acid



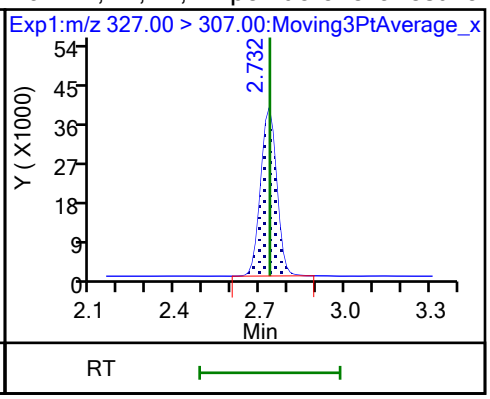
5 Perfluorobutanesulfonic acid (M)



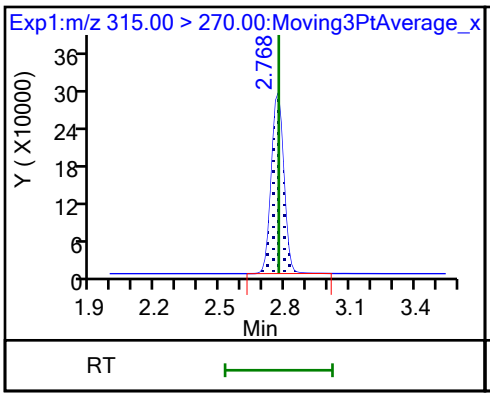
D 60 M2-4:2 FTS (M)



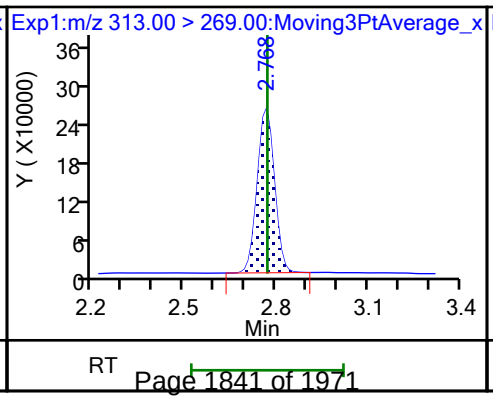
61 1H,1H,2H,2H-perfluorohexanesulfo



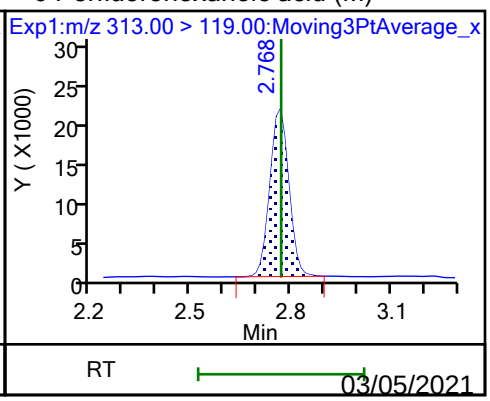
D 7 13C2 PFHxA



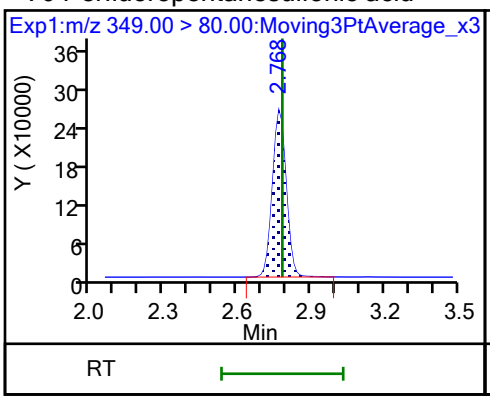
6 Perfluorohexanoic acid



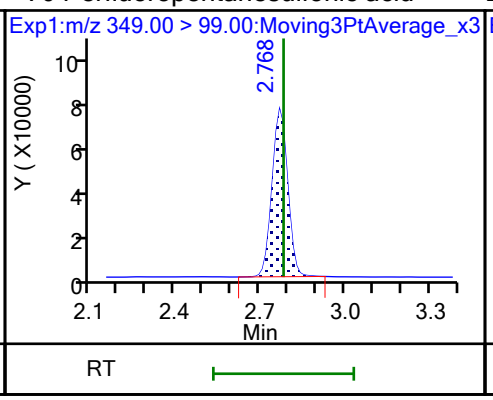
6 Perfluorohexanoic acid (M)



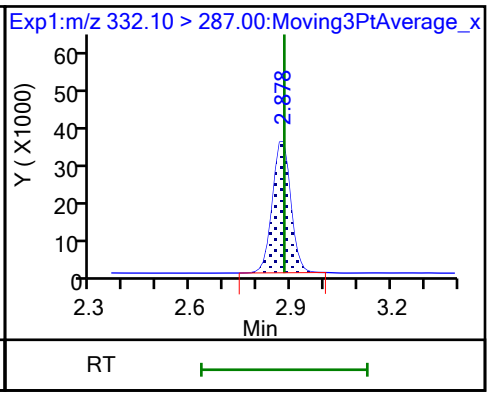
70 Perfluoropentanesulfonic acid



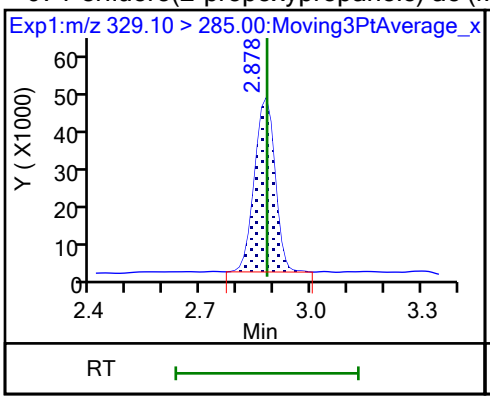
70 Perfluoropentanesulfonic acid



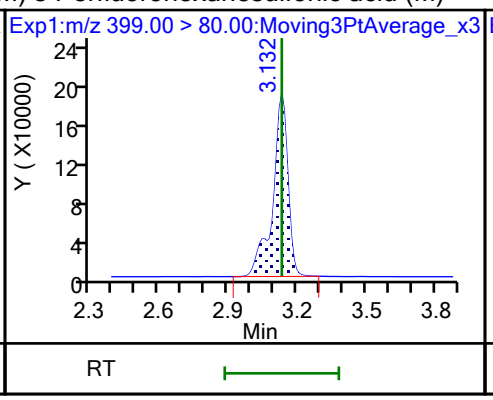
D 64 13C3 HFPO-DA



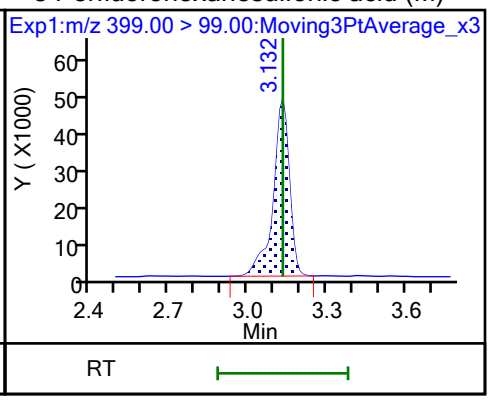
67 Perfluoro(2-propoxypropanoic) ac (M)



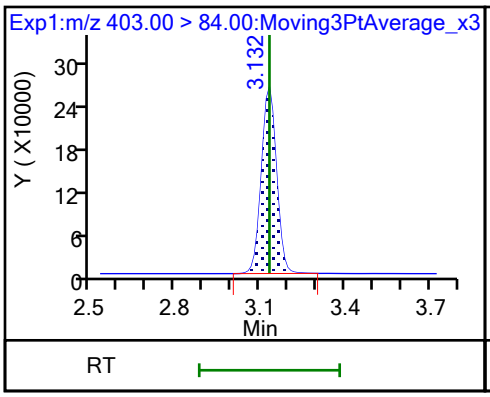
8 Perfluorohexanesulfonic acid (M)



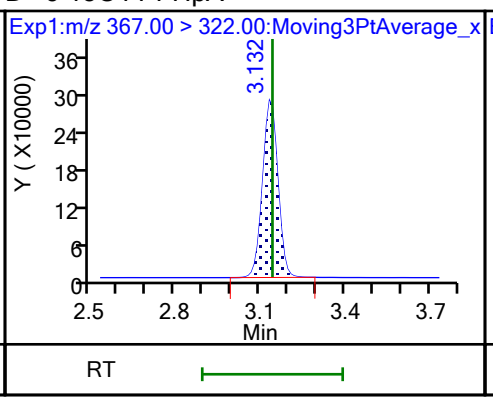
8 Perfluorohexanesulfonic acid (M)



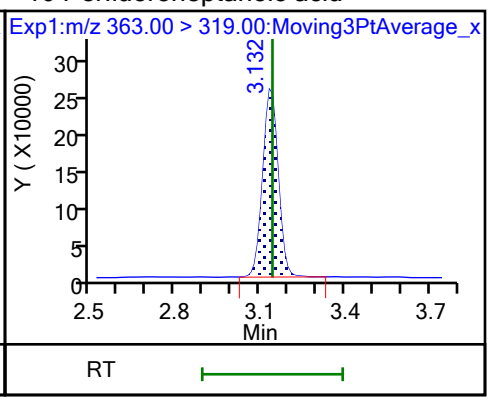
D 11 18O2 PFHxS



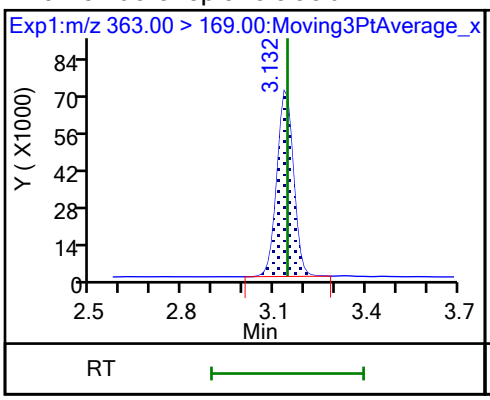
D 9 13C4 PFHpA



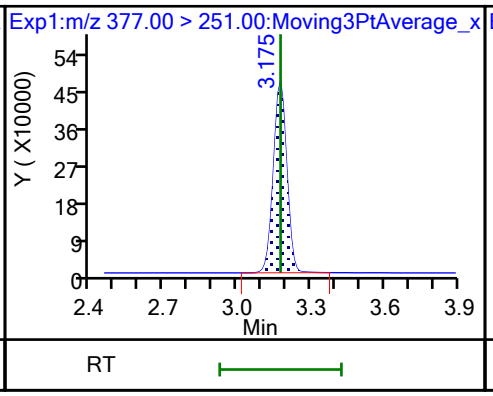
10 Perfluoroheptanoic acid



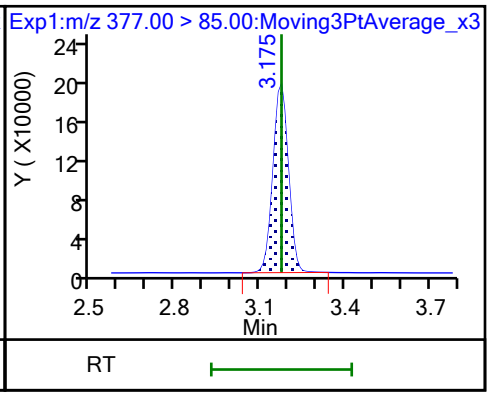
10 Perfluoroheptanoic acid



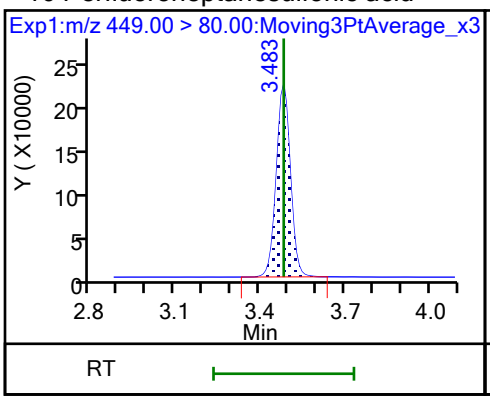
77 DONA



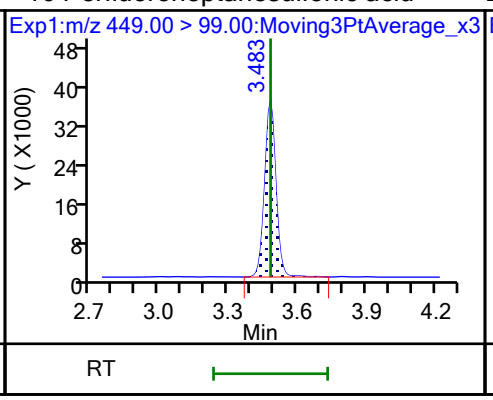
77 DONA



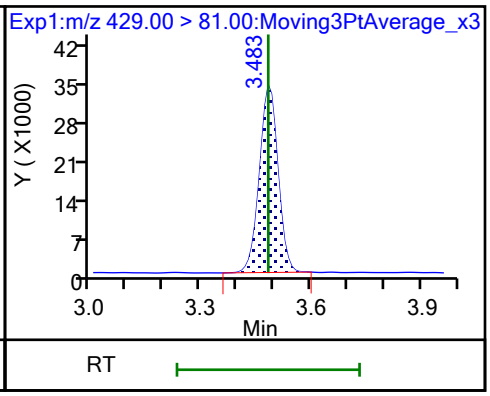
16 Perfluoroheptanesulfonic acid



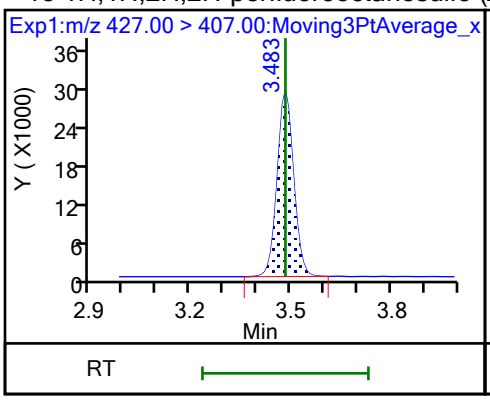
16 Perfluoroheptanesulfonic acid



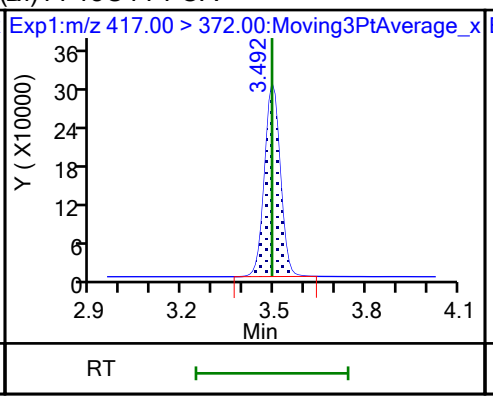
D 12 M2-6:2 FTS



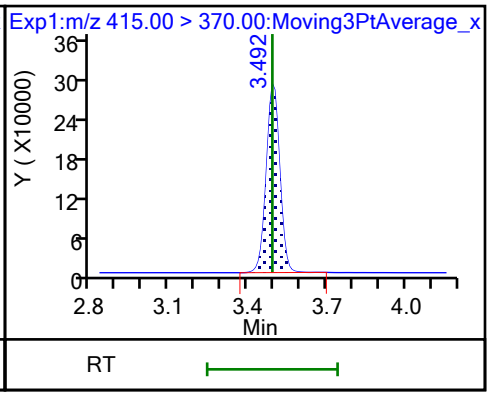
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



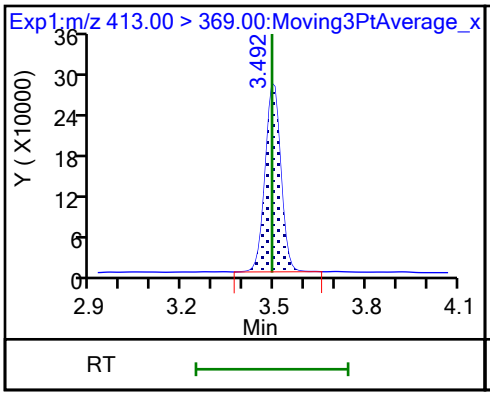
D 14 13C4 PFOA



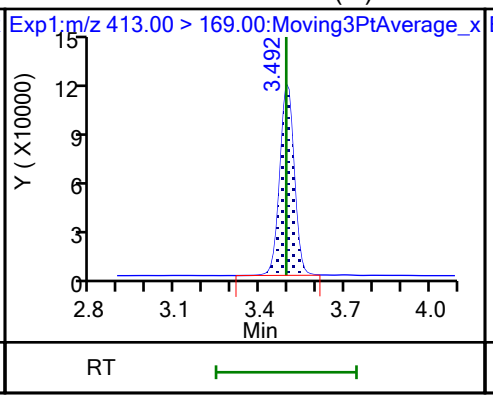
* 62 13C2 PFOA



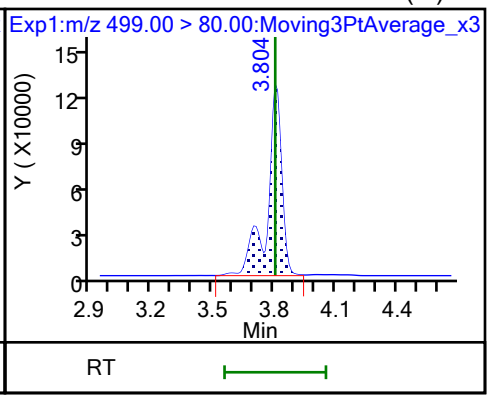
15 Perfluorooctanoic acid



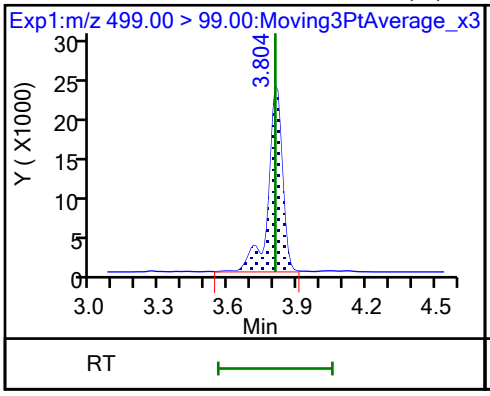
15 Perfluorooctanoic acid (M)



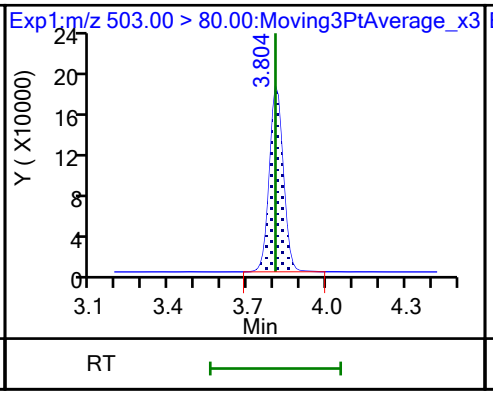
17 Perfluorooctanesulfonic acid (M)



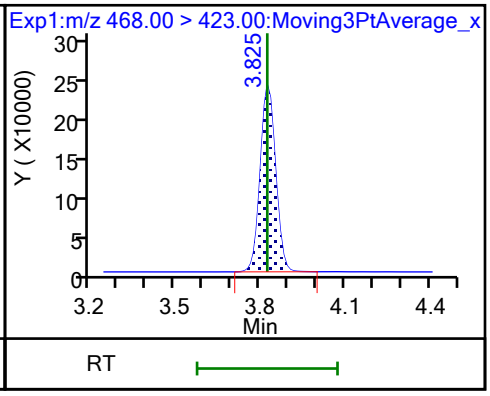
17 Perfluorooctanesulfonic acid (M)



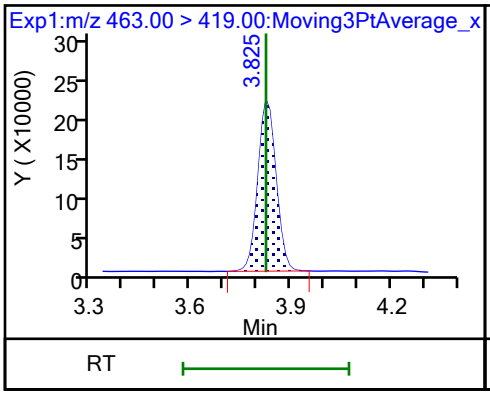
D 18 13C4 PFOS



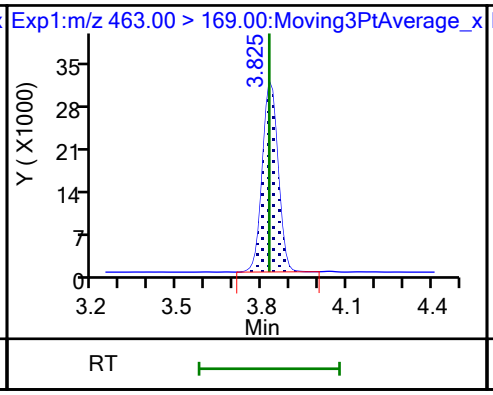
D 19 13C5 PFNA



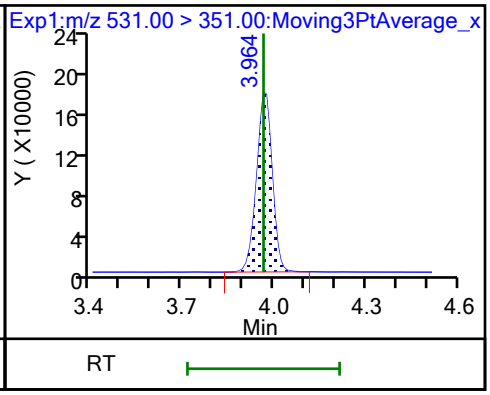
20 Perfluorononanoic acid



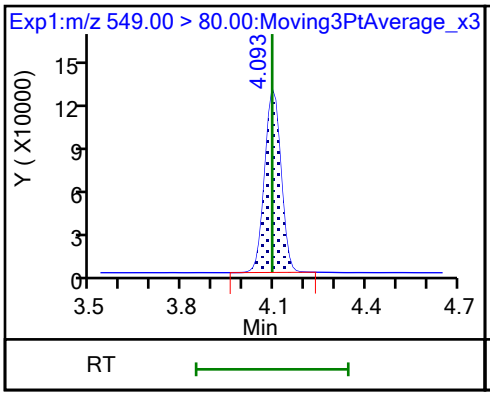
20 Perfluorononanoic acid



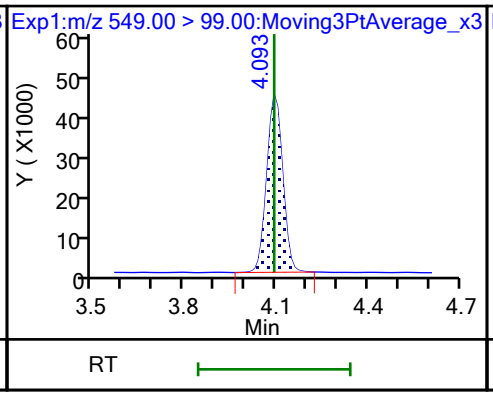
69 9-Chlorohexadecafluoro-3-oxanona



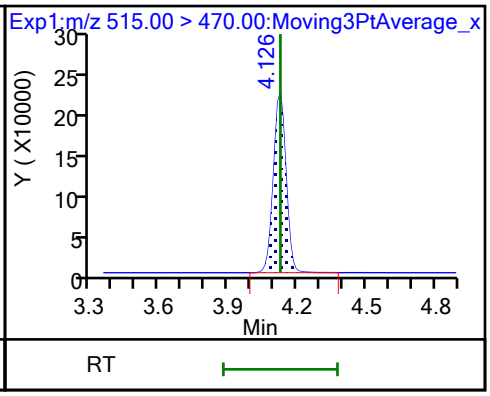
68 Perfluorononanesulfonic acid



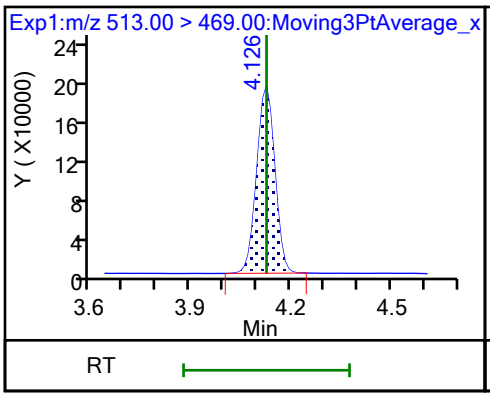
68 Perfluorononanesulfonic acid



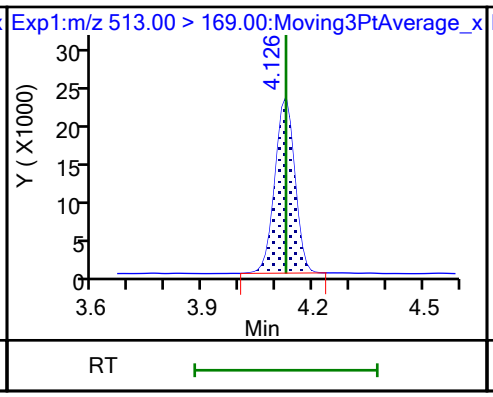
D 23 13C2 PFDA



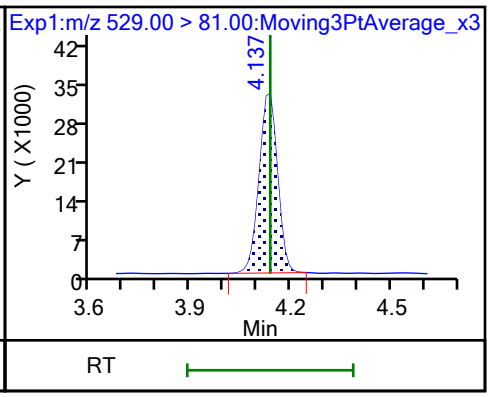
24 Perfluorodecanoic acid



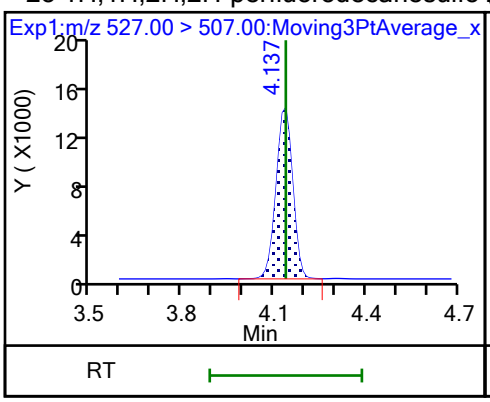
24 Perfluorodecanoic acid



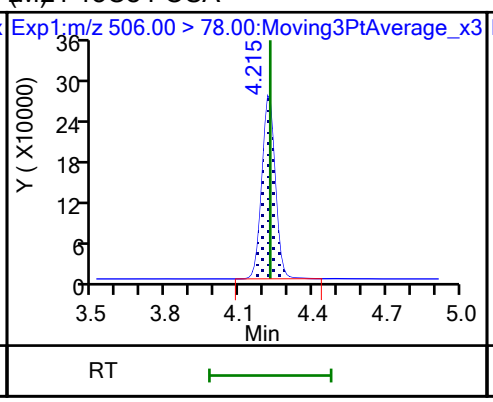
D 26 M2-8:2 FTS



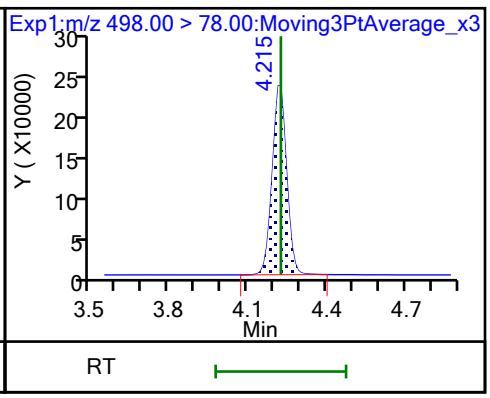
25 1H,1H,2H,2H-perfluorodecanesulfo (M)



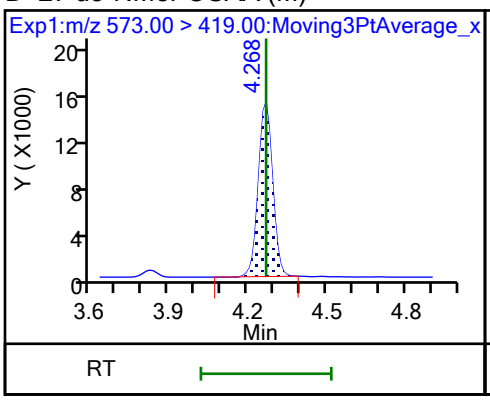
D 21 13C8 FOSA



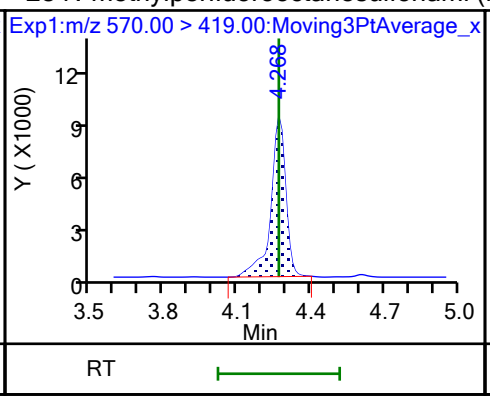
22 Perfluorooctanesulfonamide



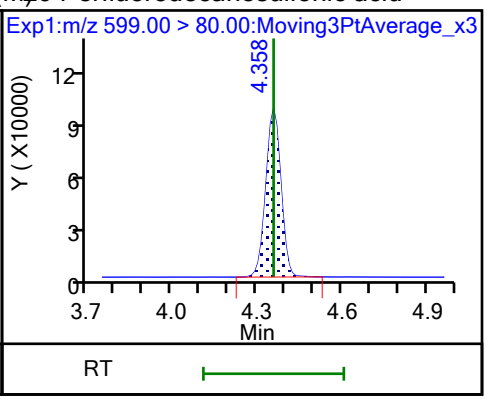
D 27 d3-NMeFOSAA (M)



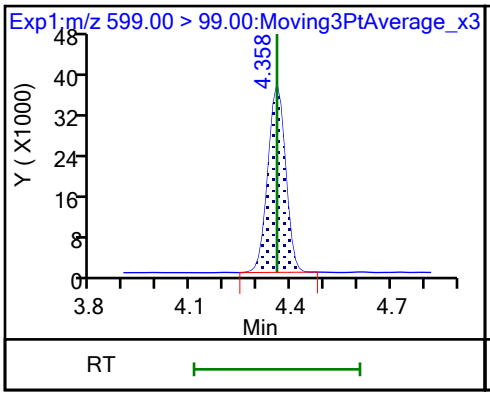
28 N-methylperfluorooctanesulfonami (M)



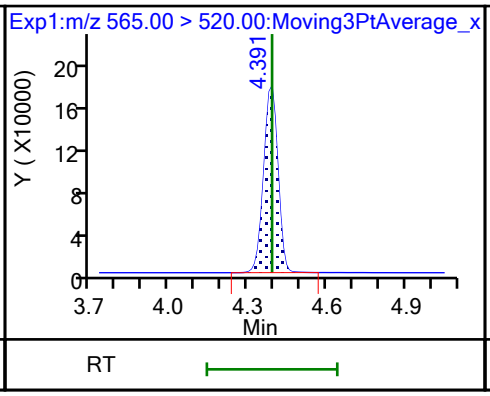
29 Perfluorodecanesulfonic acid



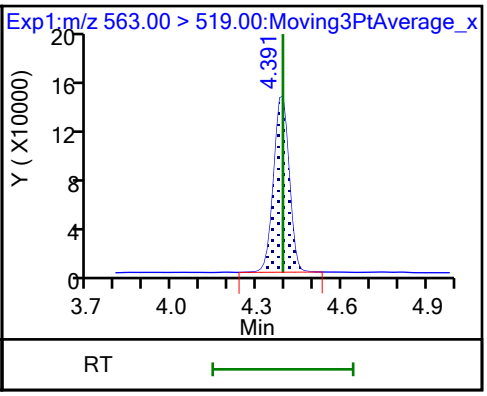
29 Perfluorodecanesulfonic acid



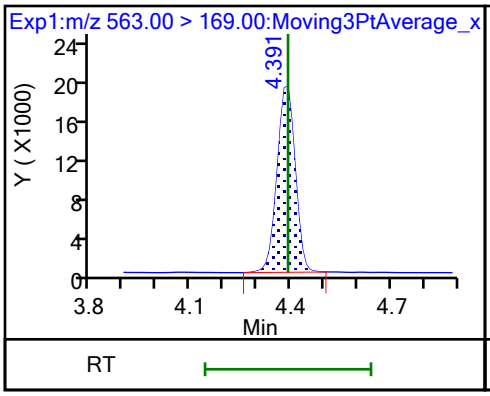
D 30 13C2 PFUnA



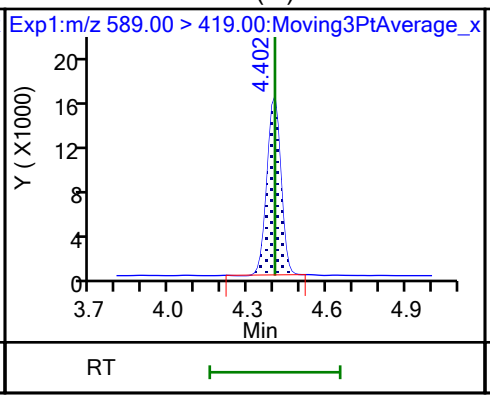
31 Perfluoroundecanoic acid



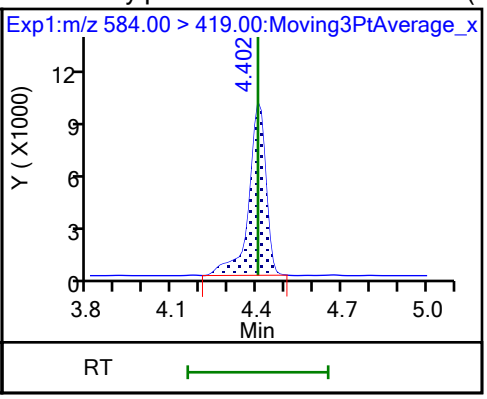
31 Perfluoroundecanoic acid



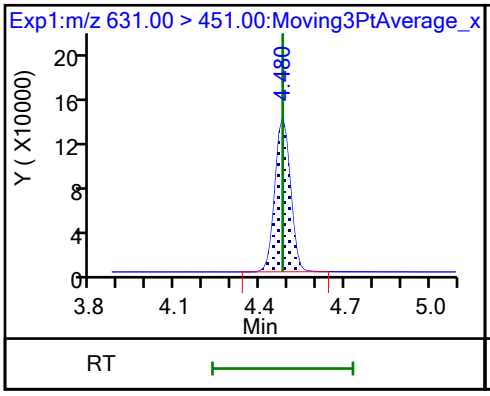
D 32 d5-NEtFOSAA (M)



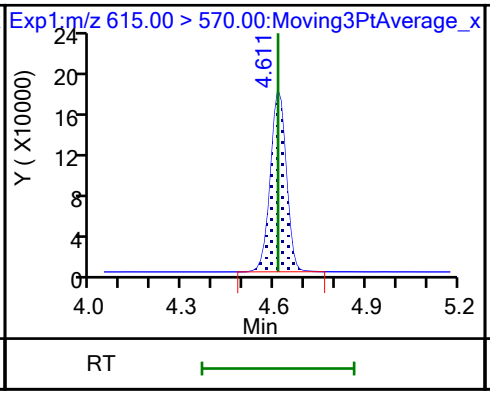
33 N-ethylperfluorooctanesulfonamid (M)



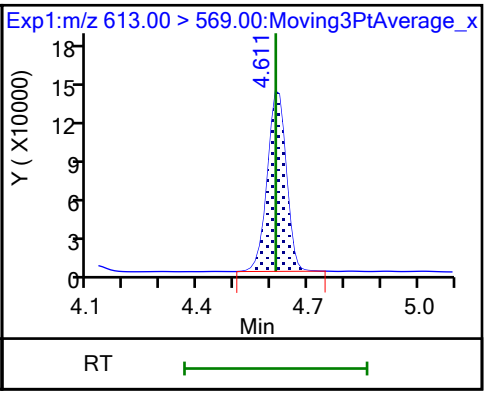
66 11-Chloroeicosafluoro-3-oxaundec



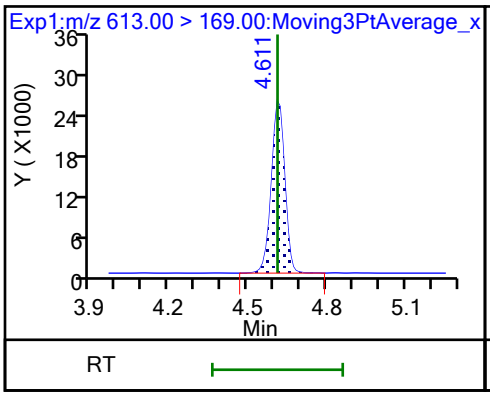
D 36 13C2 PFDoA



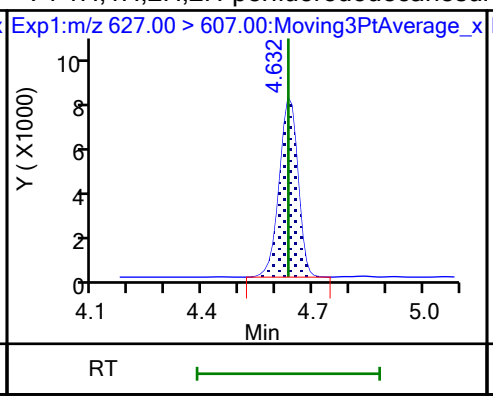
37 Perfluorododecanoic acid



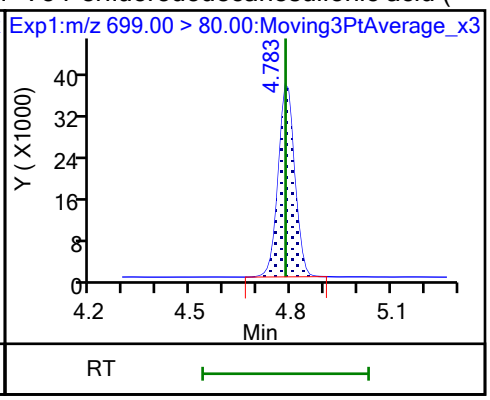
37 Perfluorododecanoic acid



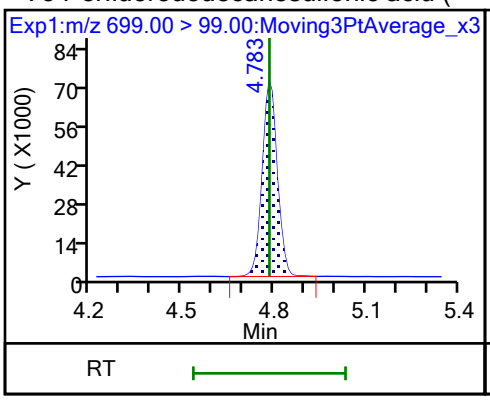
74 1H,1H,2H,2H-perfluorododecanesul



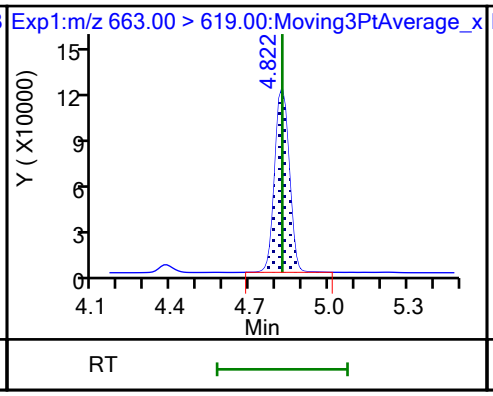
75 Perfluorododecanesulfonic acid (



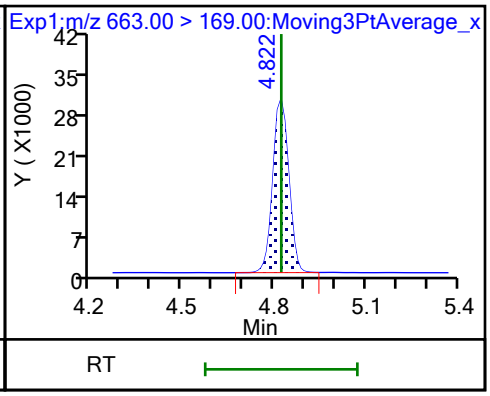
75 Perfluorododecanesulfonic acid (



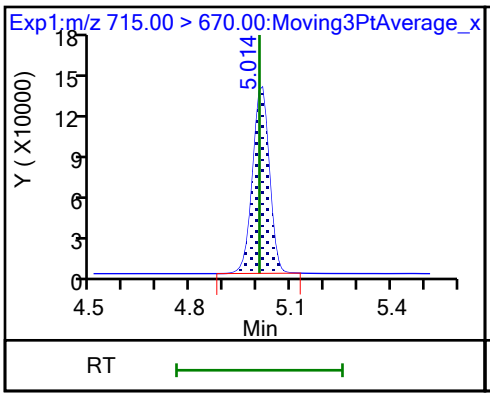
41 Perfluorotridecanoic acid



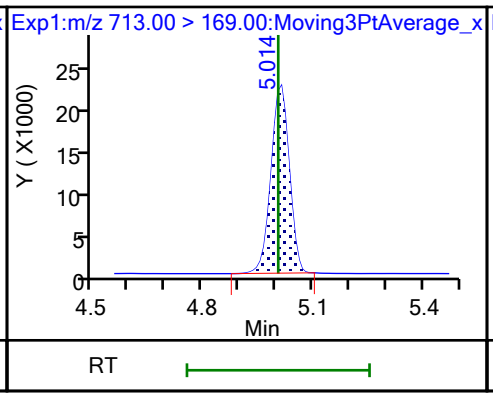
41 Perfluorotridecanoic acid



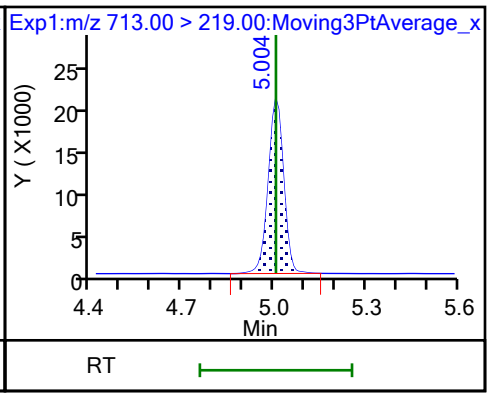
D 43 13C2 PFTeDA



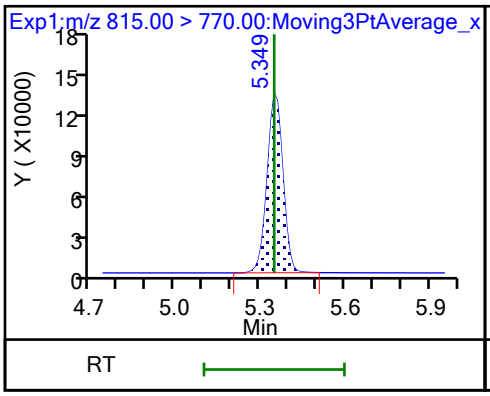
42 Perfluorotetradecanoic acid



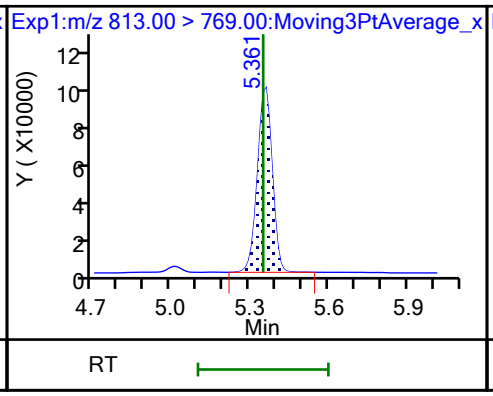
42 Perfluorotetradecanoic acid



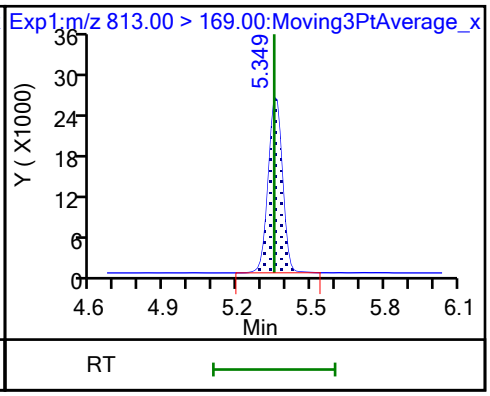
D 44 13C2 PFHxDA



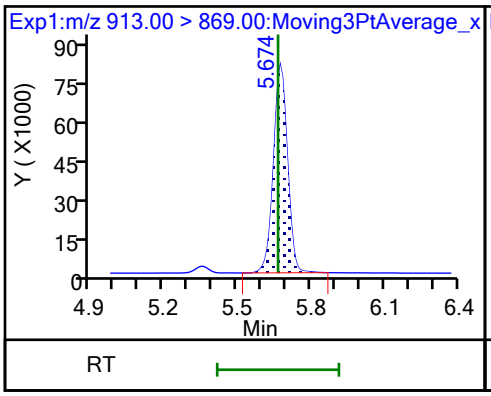
45 Perfluorohexadecanoic acid



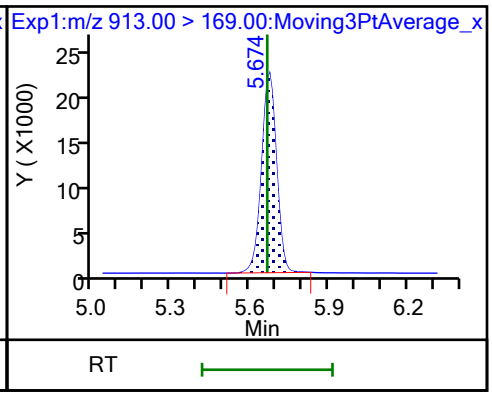
45 Perfluorohexadecanoic acid



46 Perfluorooctadecanoic acid



46 Perfluorooctadecanoic acid



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

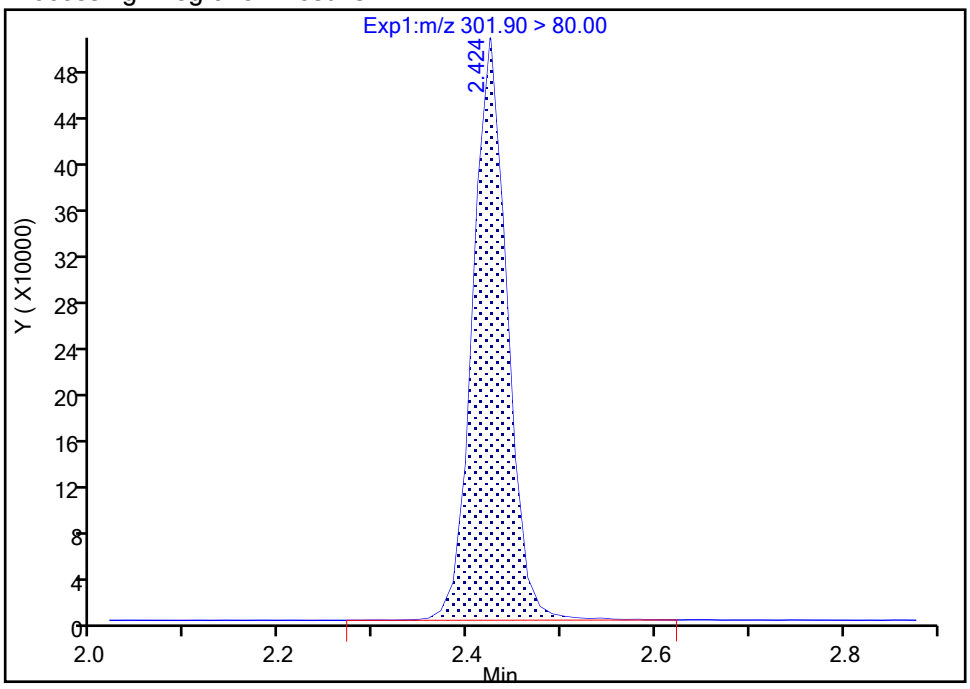
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Injection Date:	03-Mar-2021 19:14:41	Instrument ID:	LC812		
Lims ID:	LCS 200-164458/2-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

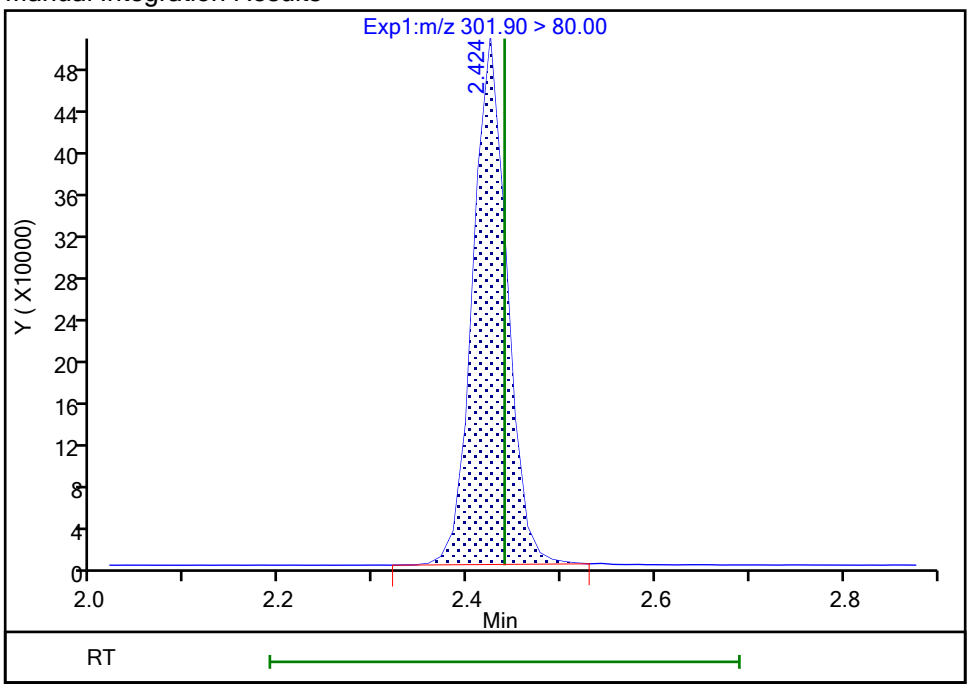
Processing Integration Results

RT: 2.42
Area: 1268810
Amount: 1.225698
Amount Units: ng/ml



Manual Integration Results

RT: 2.42
Area: 1258571
Amount: 1.215807
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:21:35

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

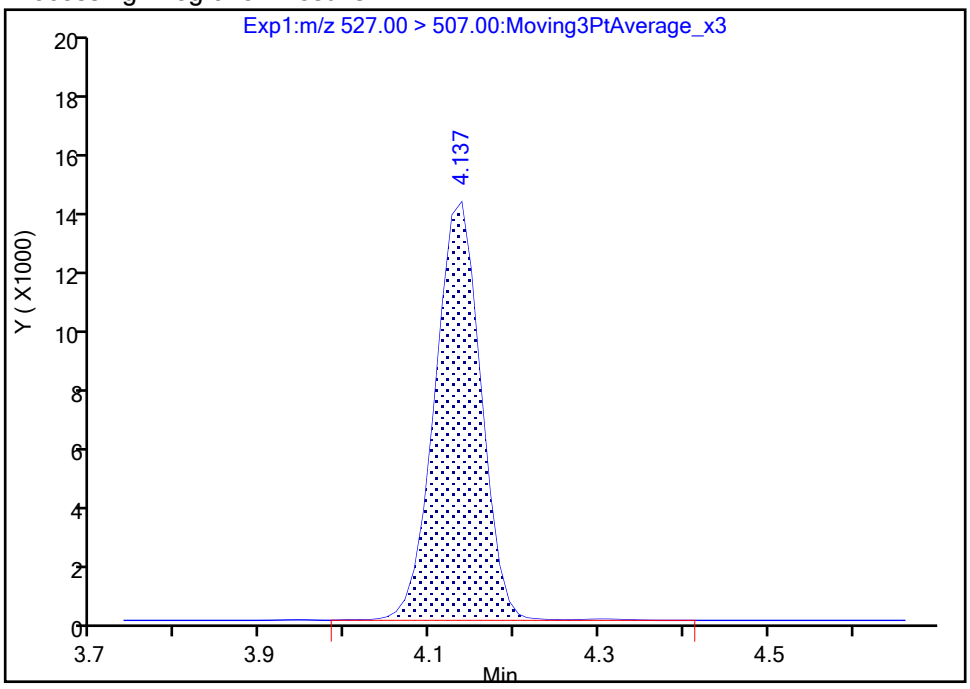
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Lims ID:	LCS 200-164458/2-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

25 1H,1H,2H,2H-perfluorodecanesulfo, CAS: 39108-34-4

Signal: 1

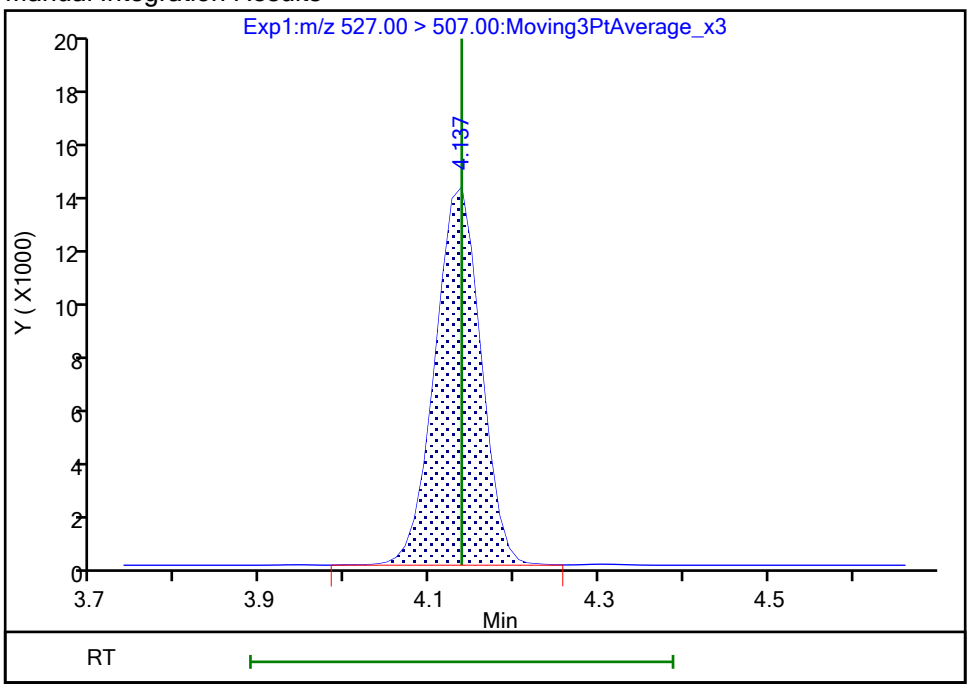
Processing Integration Results

RT: 4.14
Area: 53077
Amount: 0.749028
Amount Units: ng/ml



Manual Integration Results

RT: 4.14
Area: 52937
Amount: 0.747052
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:24:02

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

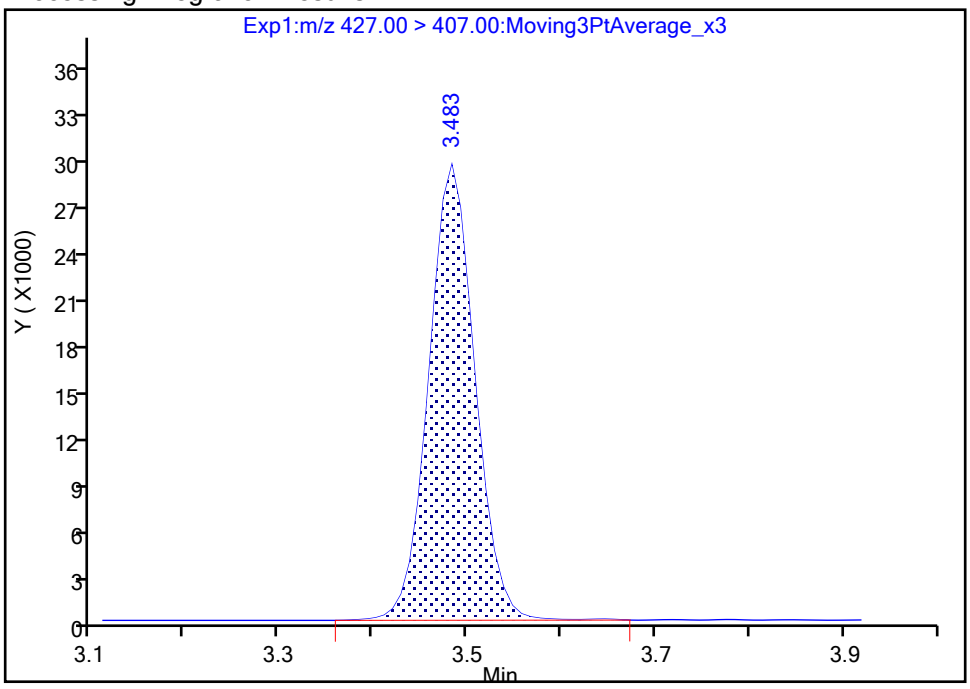
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Injection Date:	03-Mar-2021 19:14:41	Instrument ID:	LC812		
Lims ID:	LCS 200-164458/2-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

Signal: 1

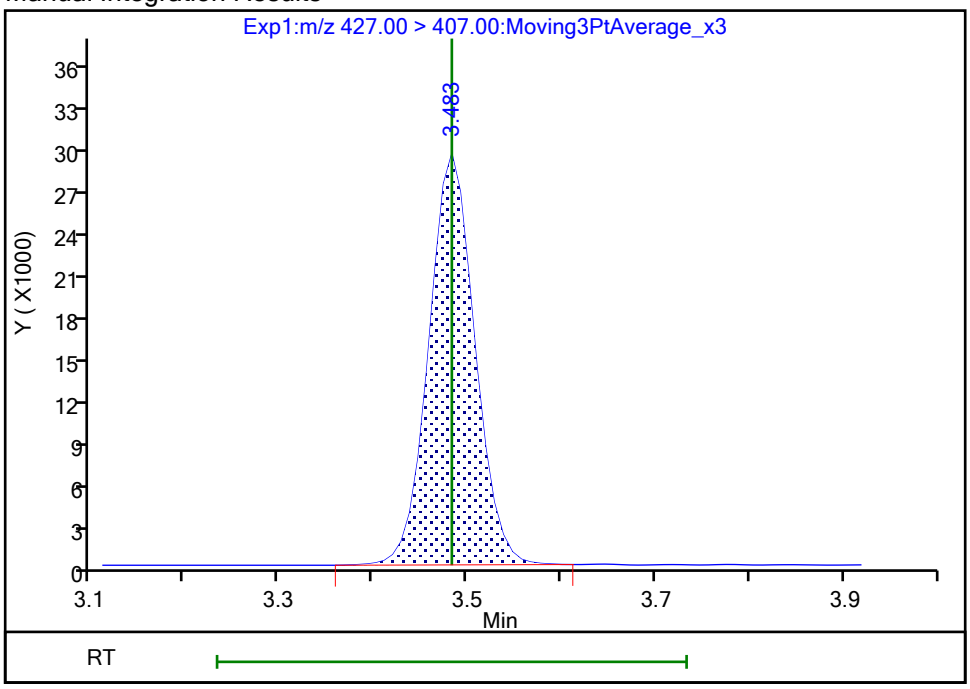
Processing Integration Results

RT: 3.48
Area: 99016
Amount: 0.885613
Amount Units: ng/ml



Manual Integration Results

RT: 3.48
Area: 98602
Amount: 0.881911
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:23:10

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

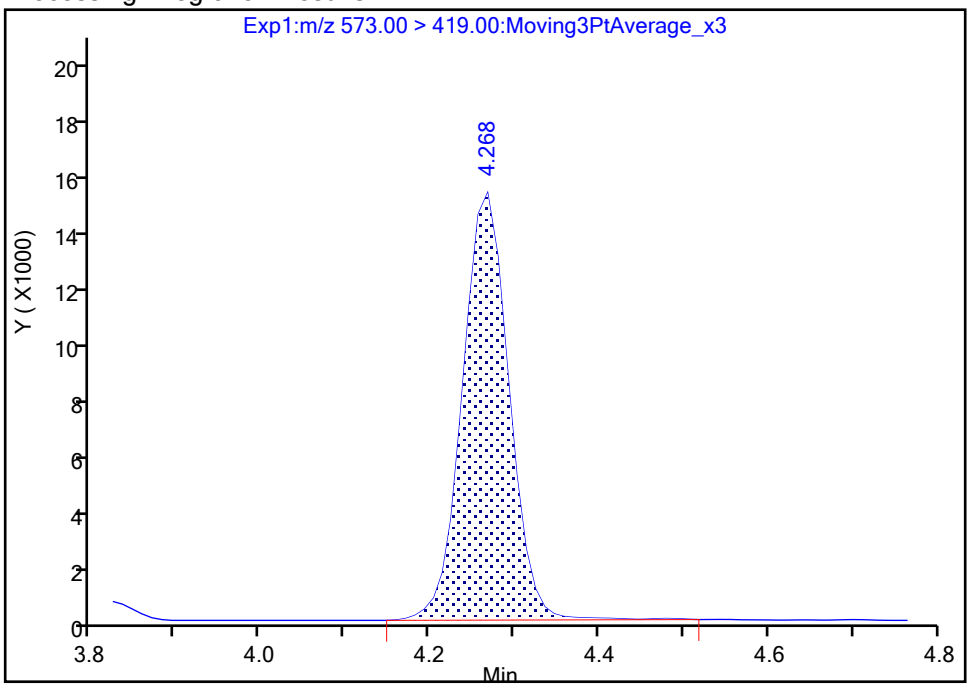
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Injection Date: 03-Mar-2021 19:14:41 Instrument ID: LC812
Lims ID: LCS 200-164458/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

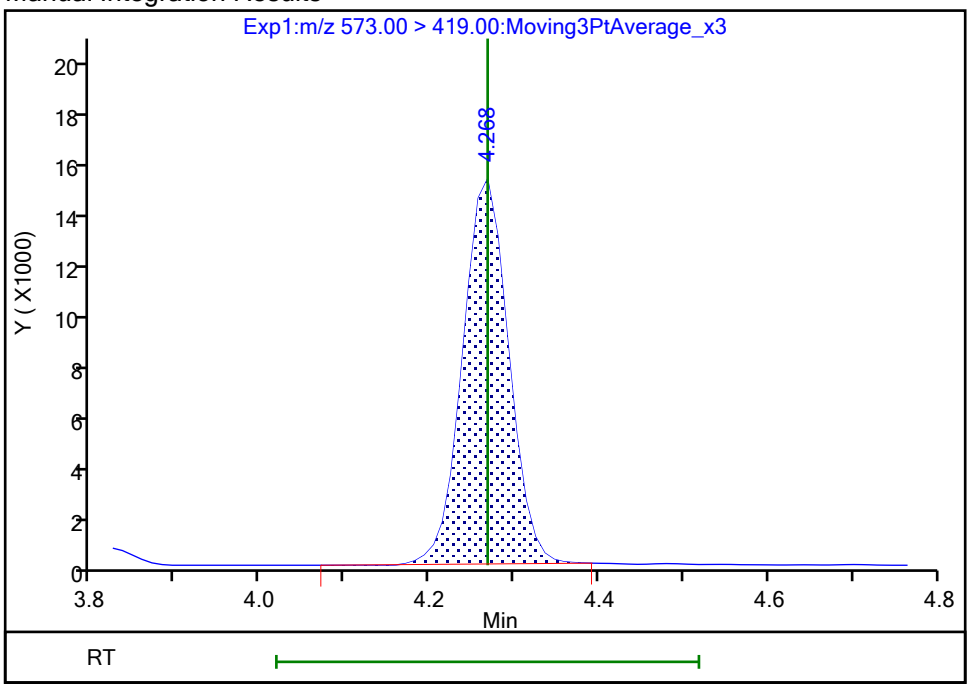
Processing Integration Results

RT: 4.27
Area: 57058
Amount: 1.163410
Amount Units: ng/ml



Manual Integration Results

RT: 4.27
Area: 56178
Amount: 1.145467
Amount Units: ng/ml



Reviewer: deannd, 04-Mar-2021 09:23:35
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

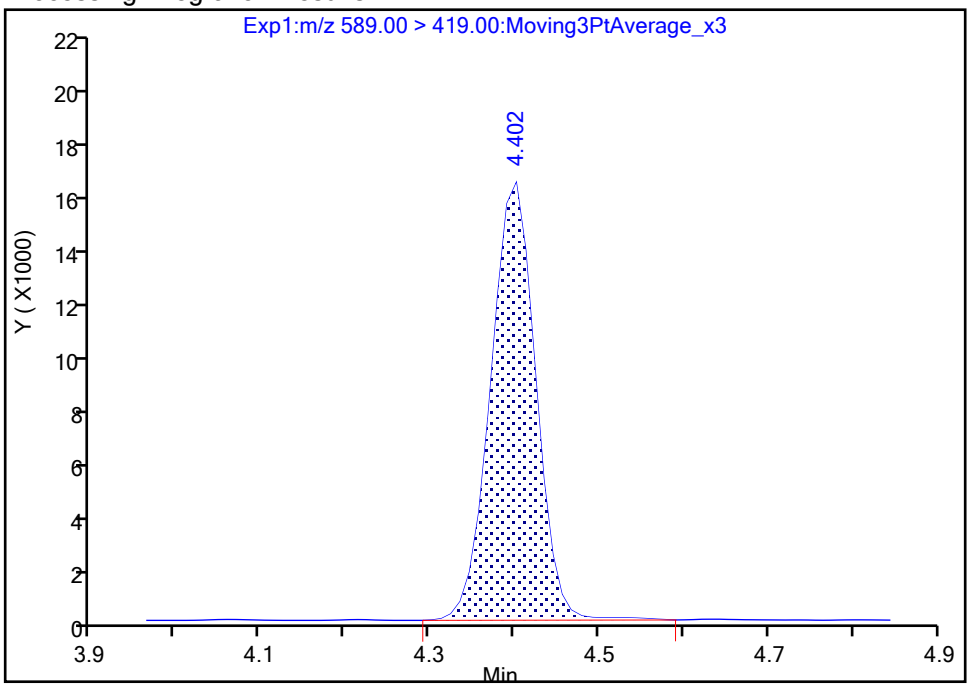
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B03.d				
Injection Date:	03-Mar-2021 19:14:41	Instrument ID:	LC812		
Lims ID:	LCS 200-164458/2-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 32 d5-NEtFOSAA, CAS: STL02117

Signal: 1

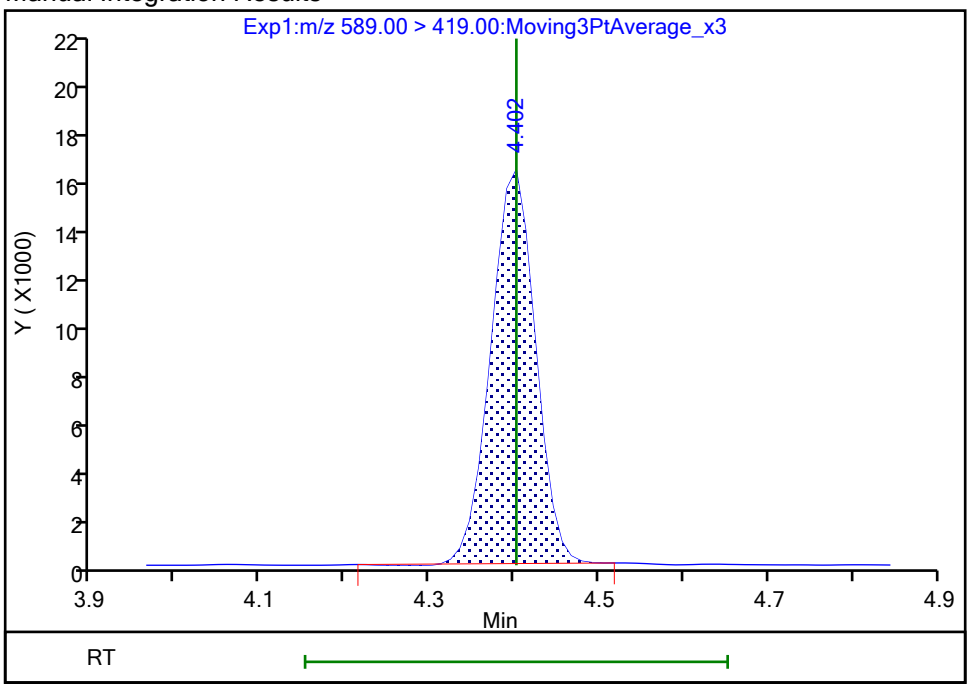
Processing Integration Results

RT: 4.40
Area: 59596
Amount: 1.257066
Amount Units: ng/ml



Manual Integration Results

RT: 4.40
Area: 58376
Amount: 1.231332
Amount Units: ng/ml



Reviewer: deannd, 04-Mar-2021 09:23:51

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

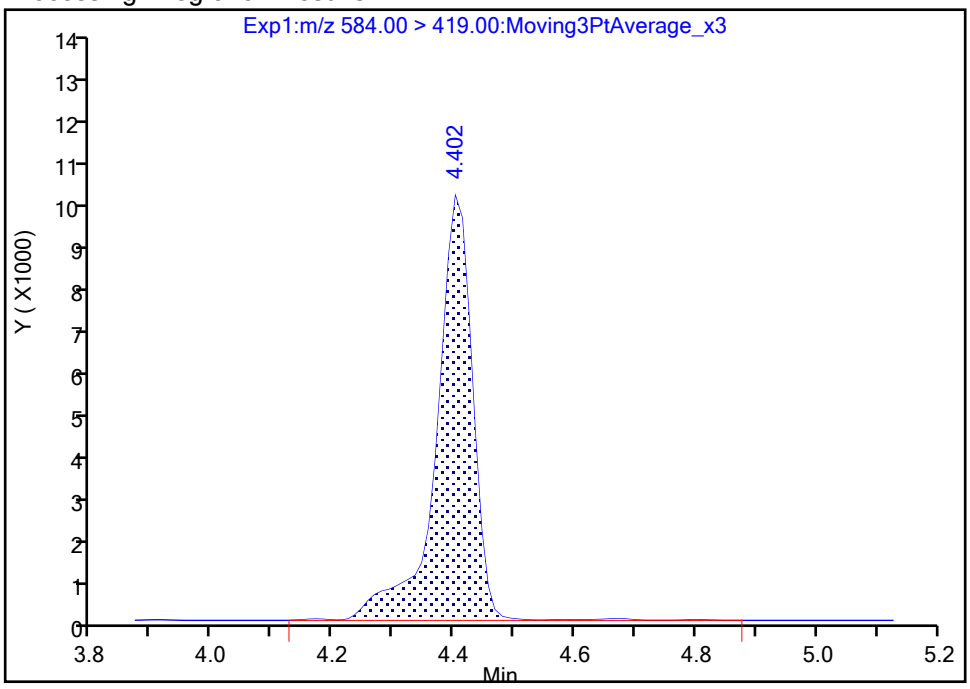
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B03.d				
Injection Date:	03-Mar-2021 19:14:41	Instrument ID:	LC812		
Lims ID:	LCS 200-164458/2-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

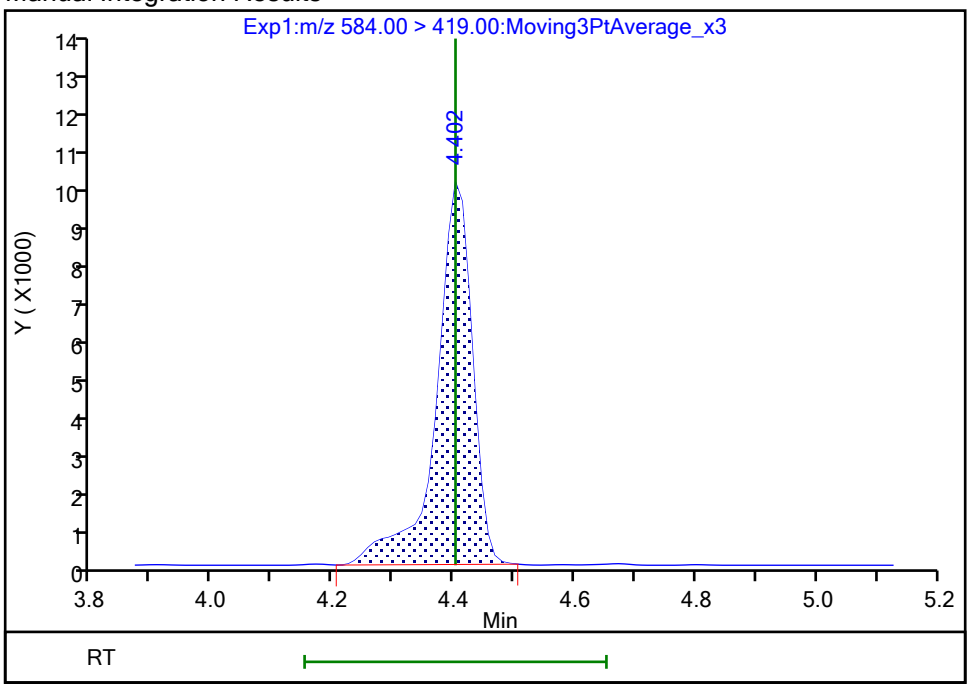
Processing Integration Results

RT: 4.40
Area: 41767
Amount: 0.946360
Amount Units: ng/ml



Manual Integration Results

RT: 4.40
Area: 41151
Amount: 0.951888
Amount Units: ng/ml



Reviewer: deannd, 04-Mar-2021 09:23:56

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

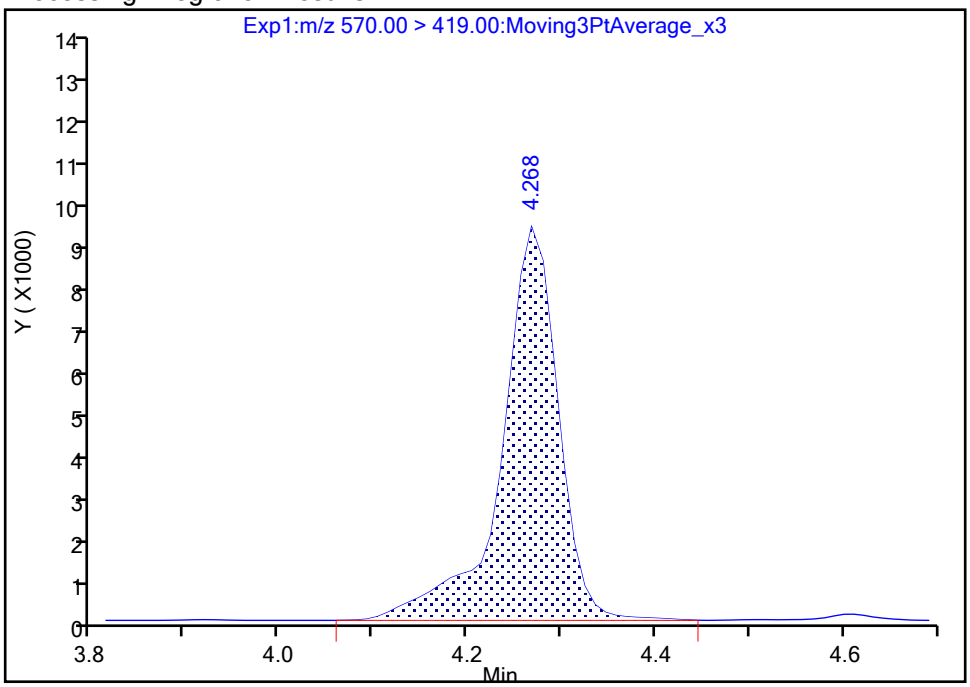
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B03.d				
Injection Date:	03-Mar-2021 19:14:41	Instrument ID:	LC812		
Lims ID:	LCS 200-164458/2-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

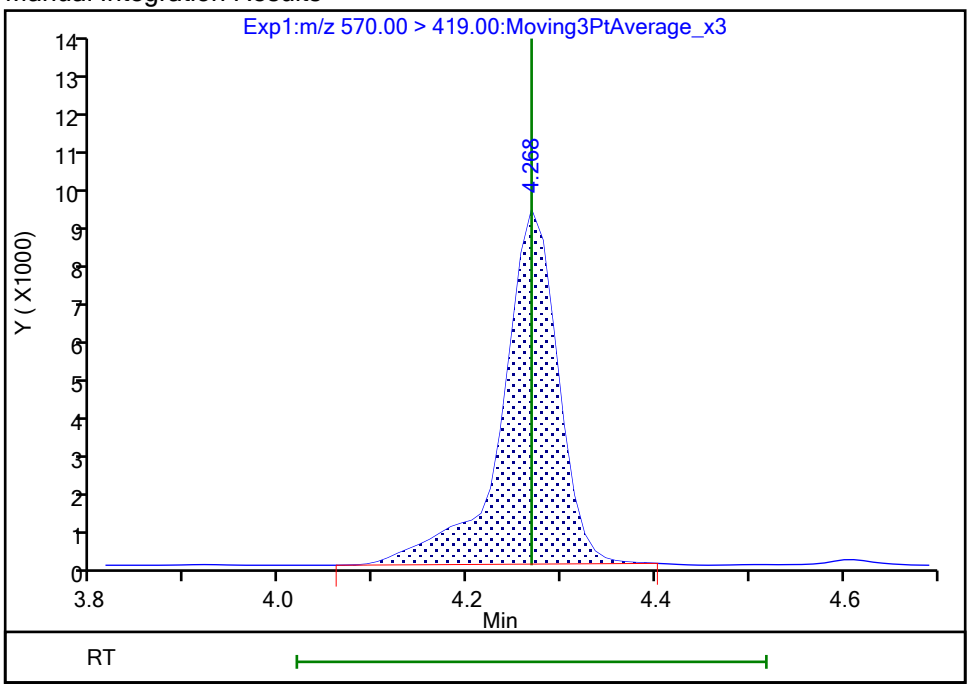
Processing Integration Results

RT: 4.27
Area: 37909
Amount: 0.951639
Amount Units: ng/ml



Manual Integration Results

RT: 4.27
Area: 37368
Amount: 0.938059
Amount Units: ng/ml



Reviewer: deannd, 04-Mar-2021 09:23:41

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

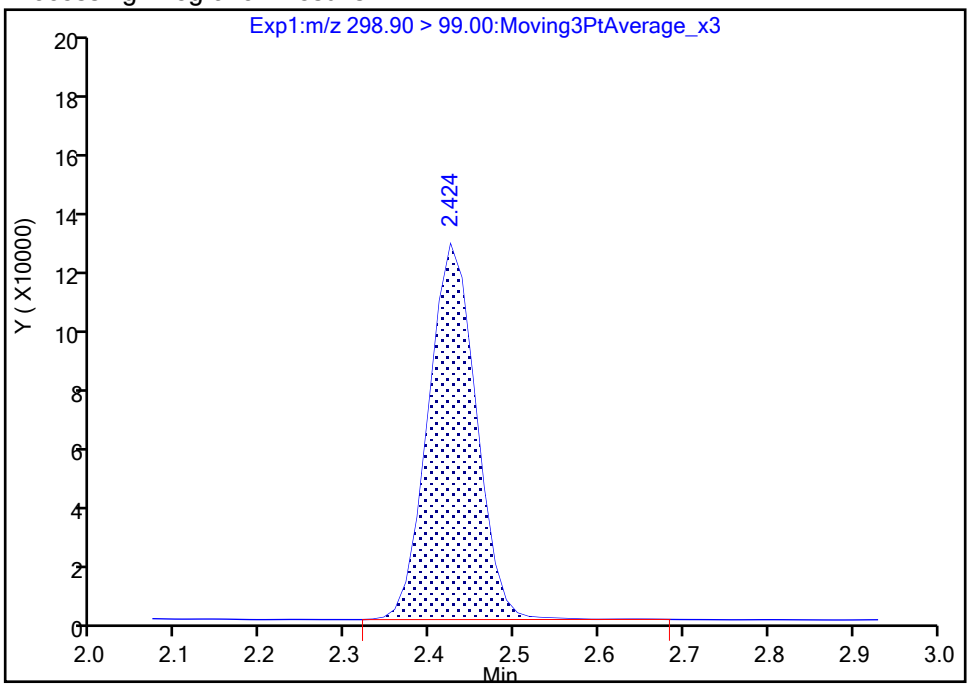
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B03.d				
Injection Date:	03-Mar-2021 19:14:41	Instrument ID:	LC812		
Lims ID:	LCS 200-164458/2-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

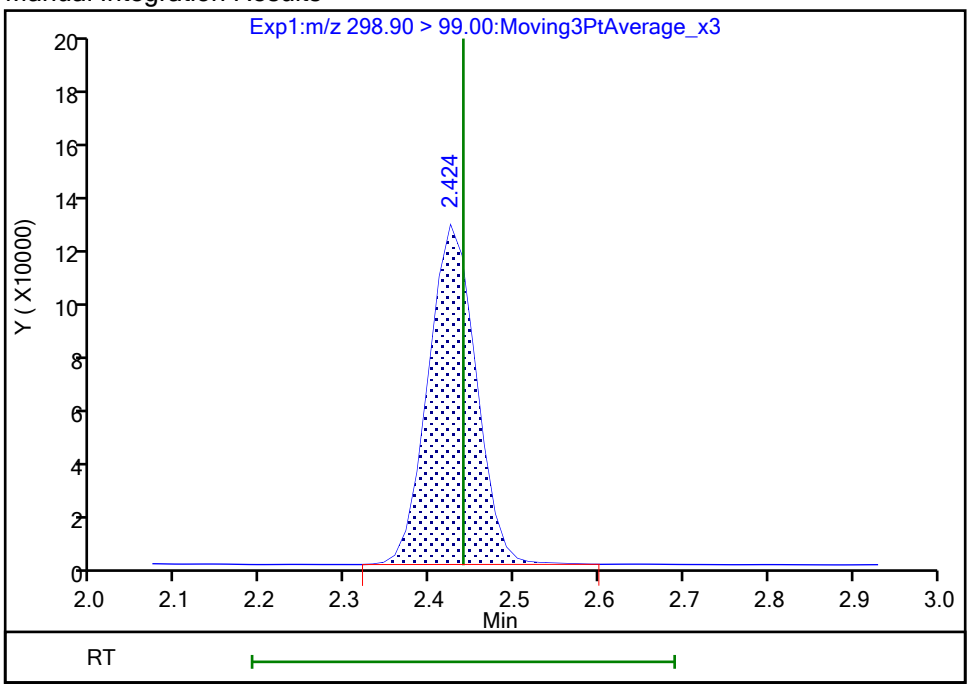
Processing Integration Results

RT: 2.42
Area: 496438
Amount: 0.902440
Amount Units: ng/ml



Manual Integration Results

RT: 2.42
Area: 495836
Amount: 0.902440
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:22:16

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

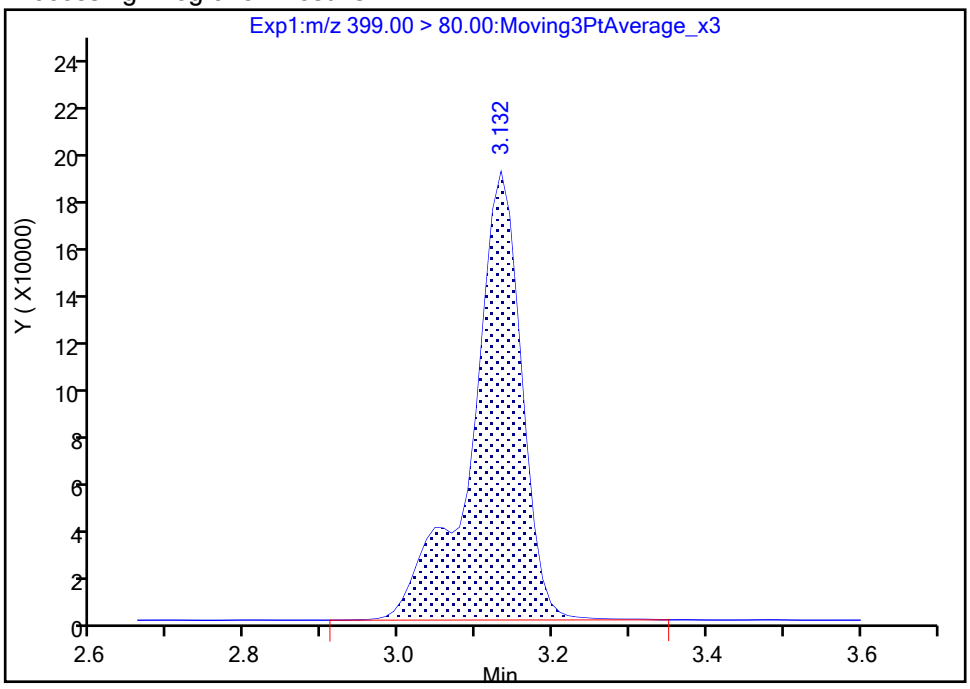
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B03.d				
Injection Date:	03-Mar-2021 19:14:41	Instrument ID:	LC812		
Lims ID:	LCS 200-164458/2-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

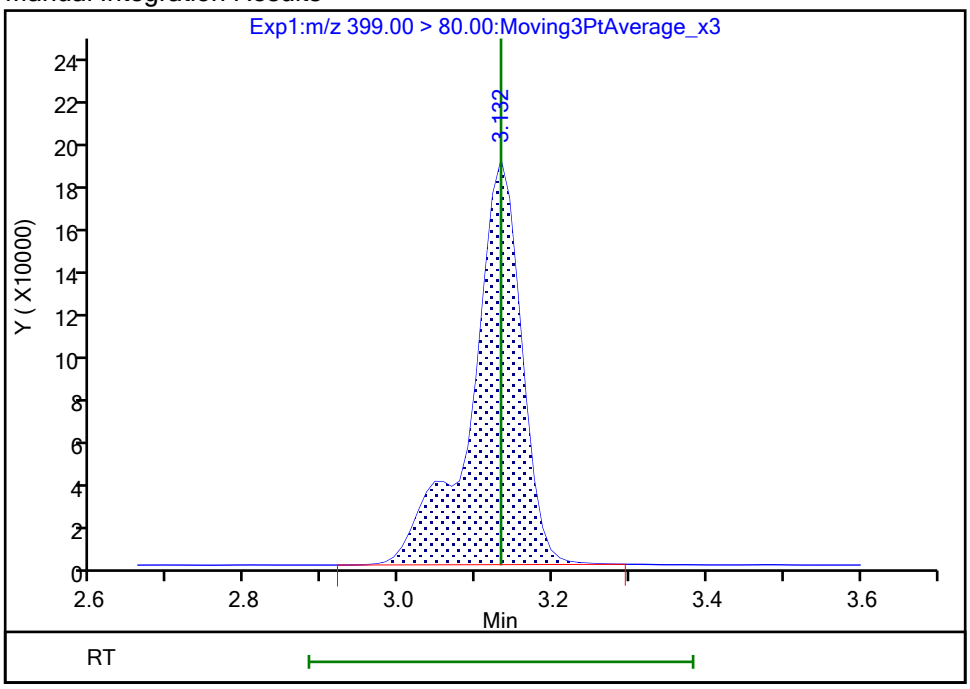
Processing Integration Results

RT: 3.13
Area: 868150
Amount: 0.892040
Amount Units: ng/ml



Manual Integration Results

RT: 3.13
Area: 865090
Amount: 0.888896
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:22:51

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

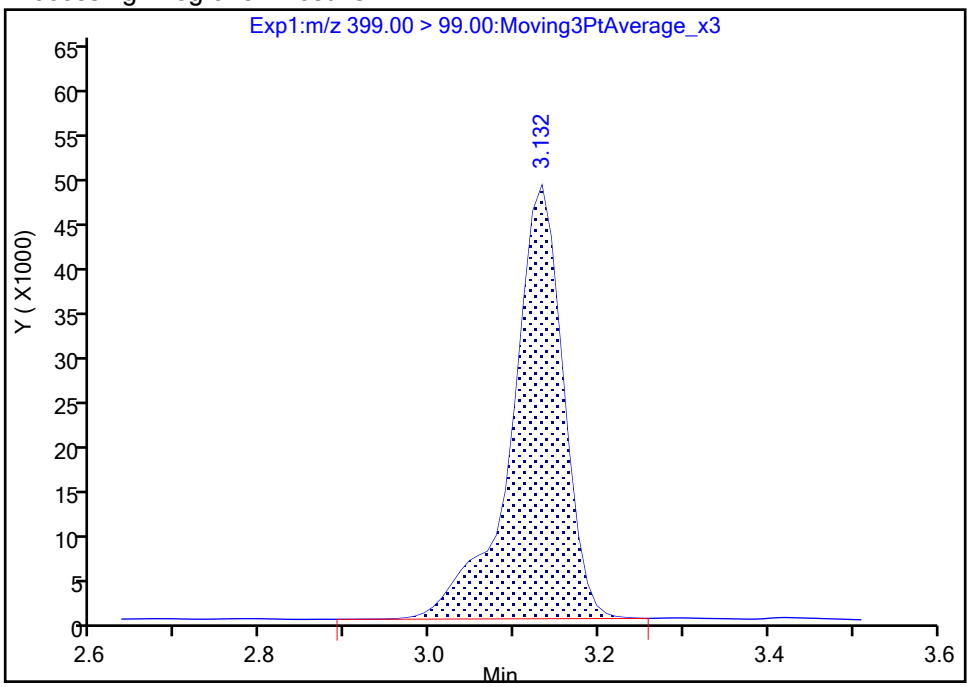
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B03.d				
Injection Date:	03-Mar-2021 19:14:41	Instrument ID:	LC812		
Lims ID:	LCS 200-164458/2-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

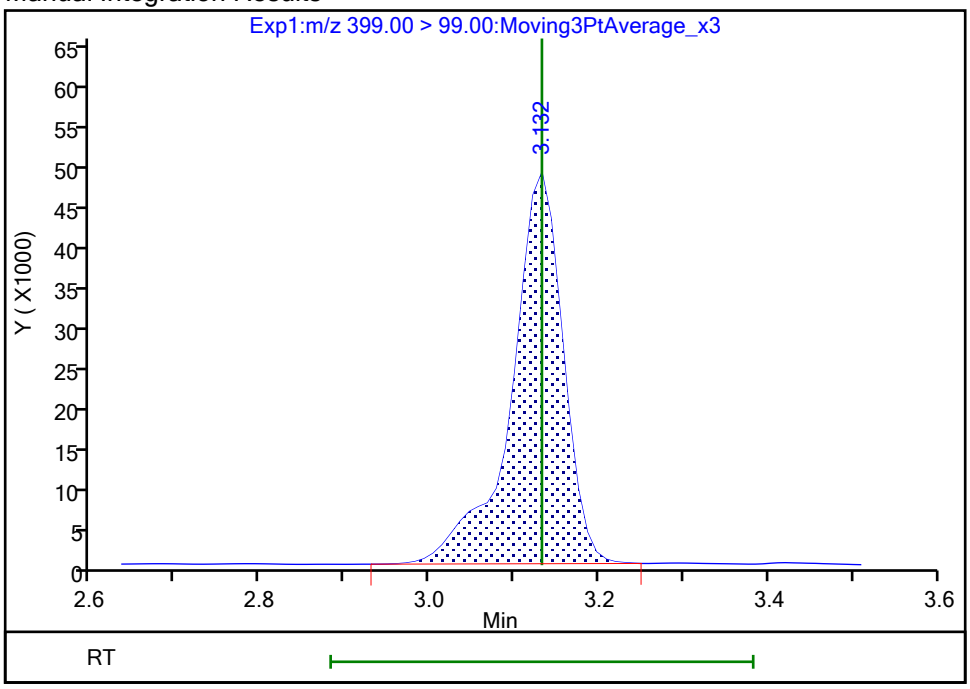
Processing Integration Results

RT: 3.13
Area: 208182
Amount: 0.892040
Amount Units: ng/ml



Manual Integration Results

RT: 3.13
Area: 208003
Amount: 0.888896
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:22:57

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

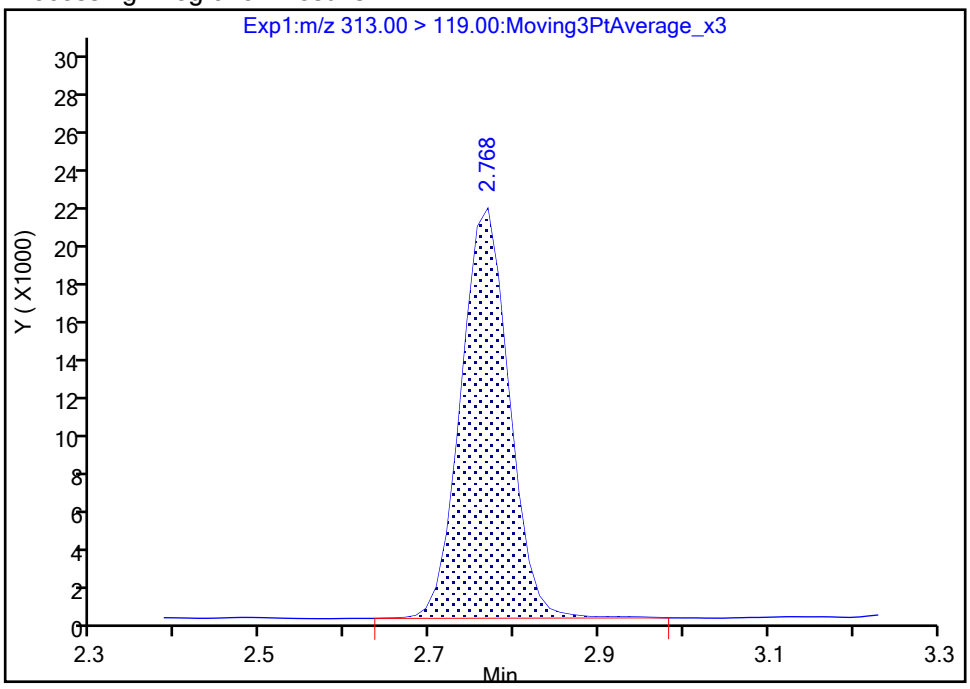
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B03.d				
Injection Date:	03-Mar-2021 19:14:41	Instrument ID:	LC812		
Lims ID:	LCS 200-164458/2-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

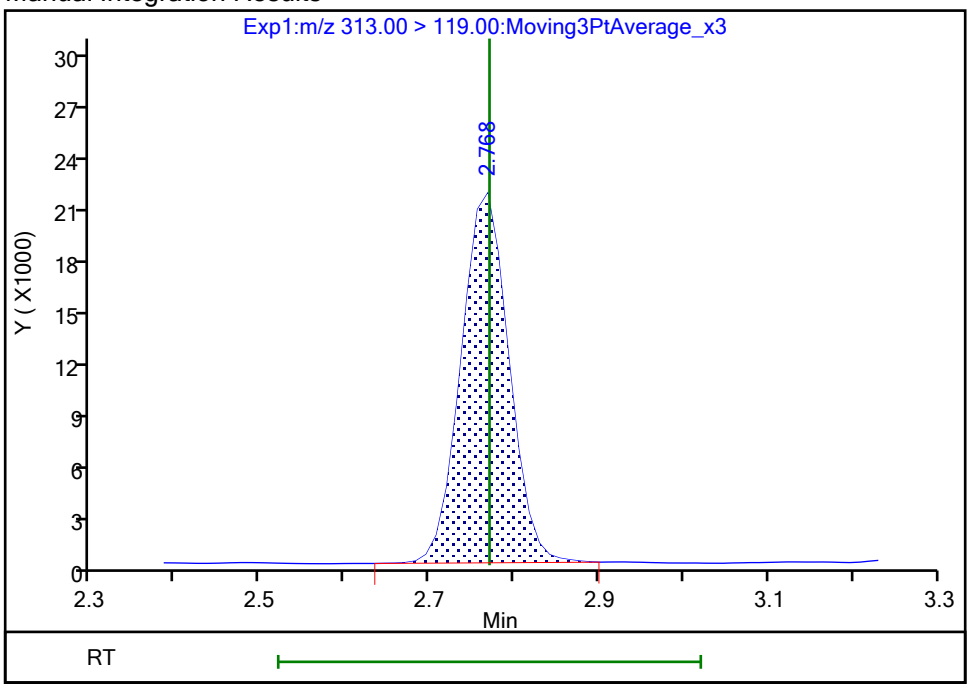
Processing Integration Results

RT: 2.77
Area: 85128
Amount: 0.995198
Amount Units: ng/ml



Manual Integration Results

RT: 2.77
Area: 84483
Amount: 0.995198
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:22:30

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

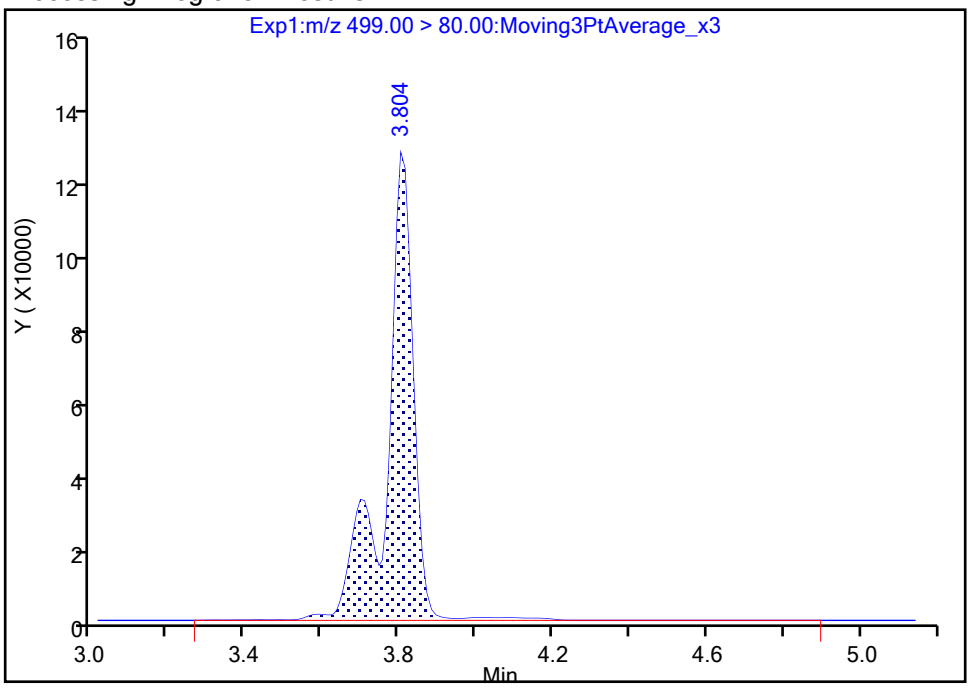
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B03.d				
Injection Date:	03-Mar-2021 19:14:41	Instrument ID:	LC812		
Lims ID:	LCS 200-164458/2-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

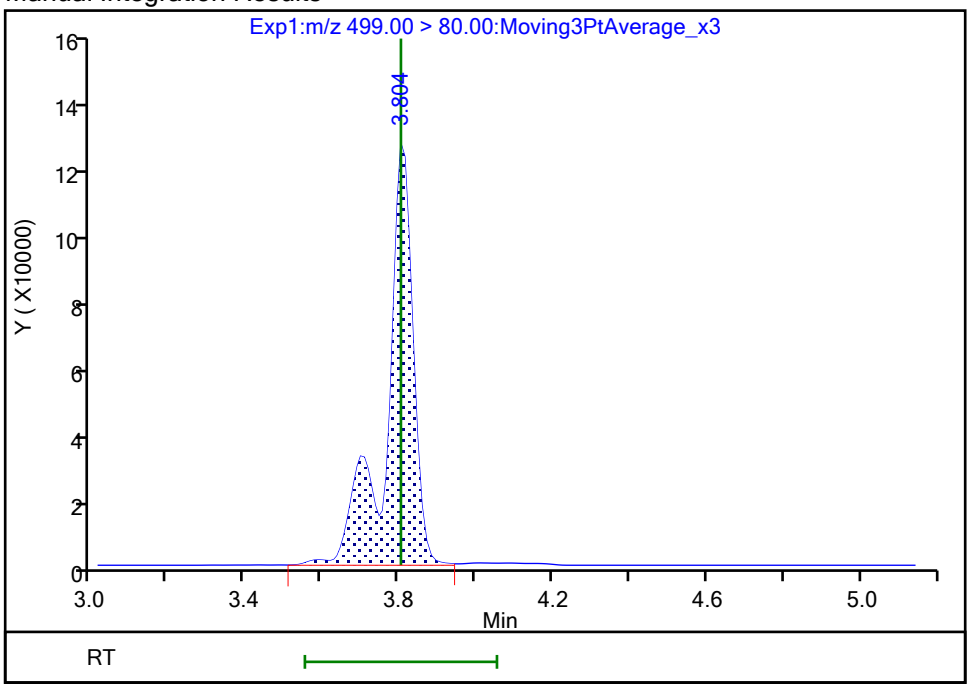
Processing Integration Results

RT: 3.80
Area: 608588
Amount: 0.951216
Amount Units: ng/ml



Manual Integration Results

RT: 3.80
Area: 599127
Amount: 0.936429
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:23:35

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

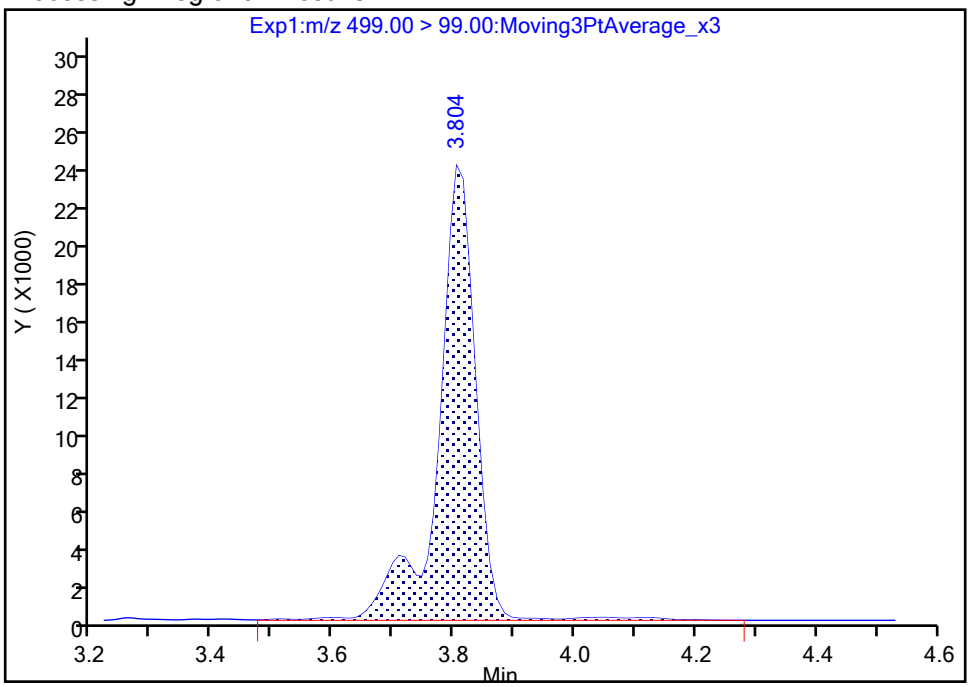
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B03.d				
Injection Date:	03-Mar-2021 19:14:41	Instrument ID:	LC812		
Lims ID:	LCS 200-164458/2-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

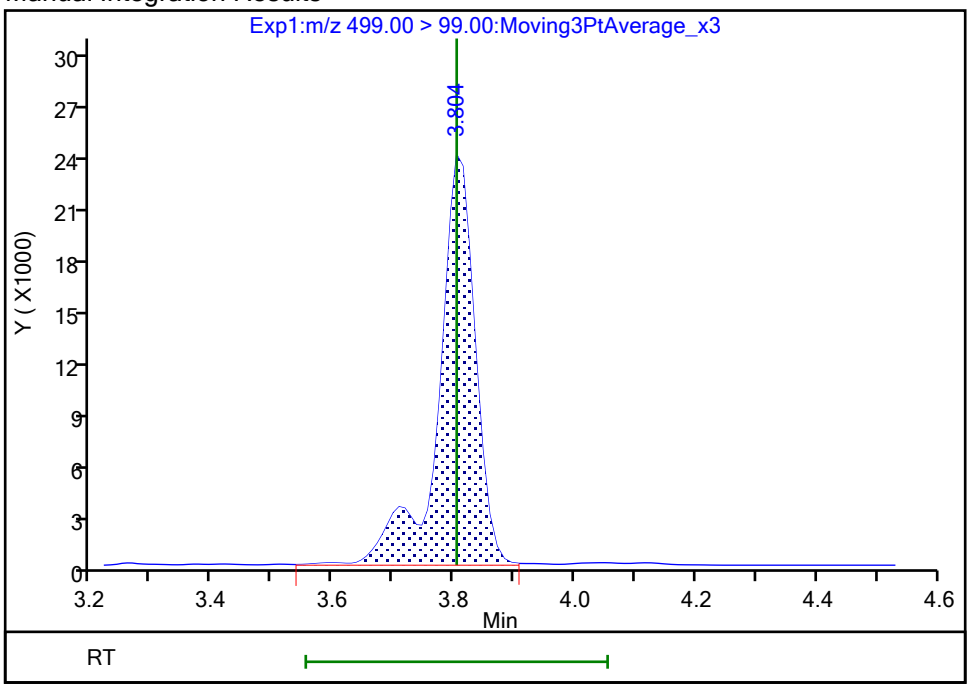
Processing Integration Results

RT: 3.80
Area: 102722
Amount: 0.951216
Amount Units: ng/ml



Manual Integration Results

RT: 3.80
Area: 100921
Amount: 0.936429
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:23:48
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

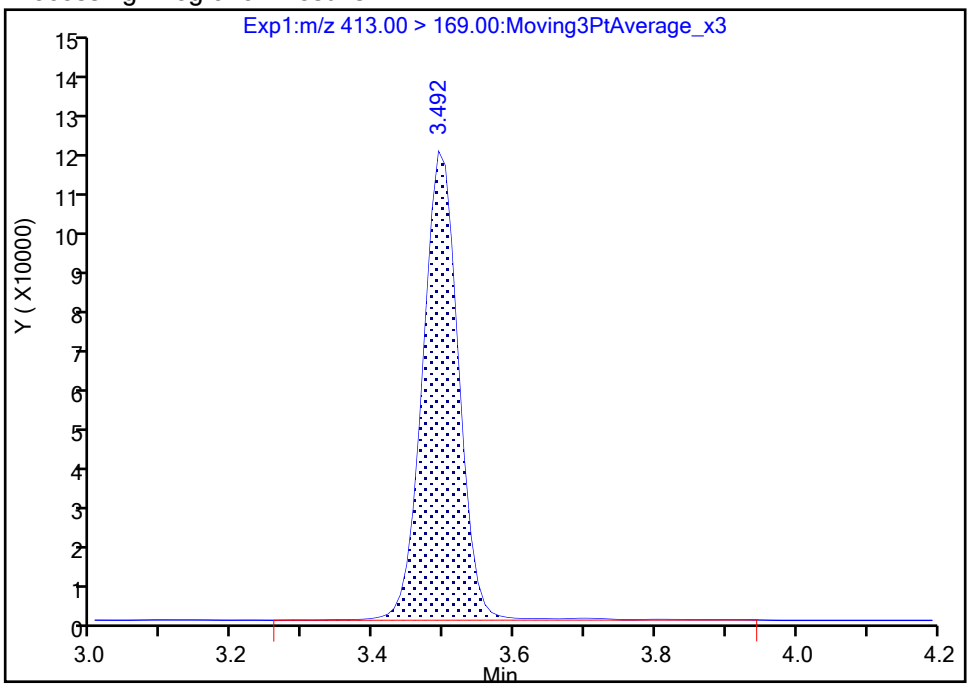
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B03.d				
Injection Date:	03-Mar-2021 19:14:41	Instrument ID:	LC812		
Lims ID:	LCS 200-164458/2-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

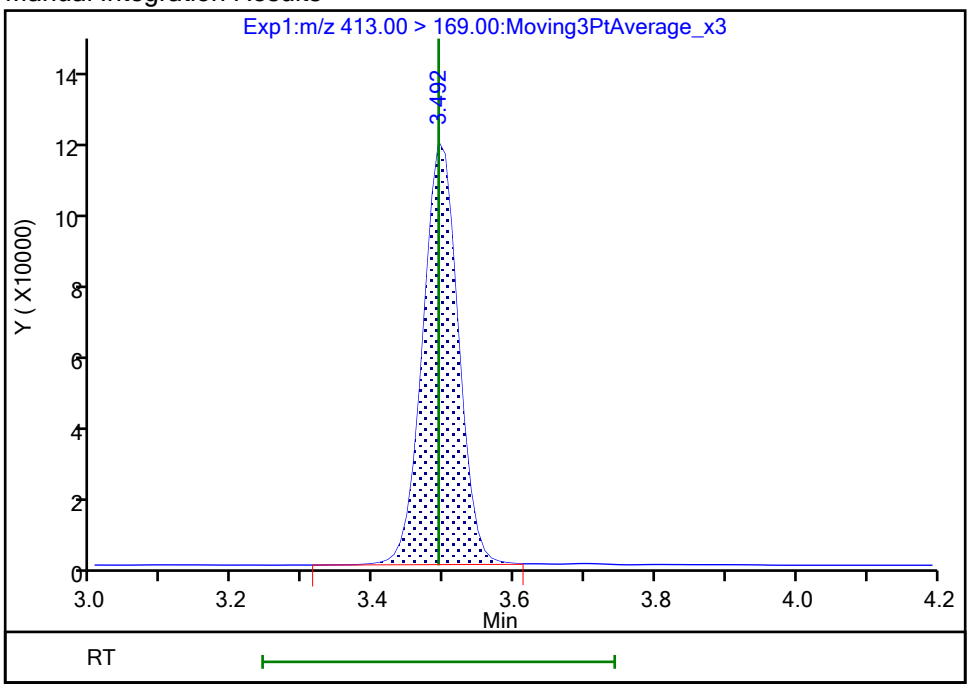
Processing Integration Results

RT: 3.49
Area: 398921
Amount: 1.037997
Amount Units: ng/ml



Manual Integration Results

RT: 3.49
Area: 393690
Amount: 1.037997
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:23:22

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Client Sample ID: MW-2S-022321 MS Lab Sample ID: 480-181441-8 MS

Matrix: Water Lab File ID: PA210303B18.d

Analysis Method: 537 (modified) Date Collected: 02/23/2021 15:20

Extraction Method: 3535 Date Extracted: 03/03/2021 08:24

Sample wt/vol: 296.7(mL) Date Analyzed: 03/03/2021 21:19

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 164492 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
39108-34-4	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	25.2		1.7	0.56
27619-97-2	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	29.4		4.2	0.61
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	31.9		4.2	0.78
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	33.8		4.2	0.67
375-73-5	Perfluorobutanesulfonic acid (PFBS)	30.7		1.7	0.53
375-22-4	Perfluorobutanoic acid (PFBA)	35.9		4.2	0.95
335-77-3	Perfluorodecanesulfonic acid (PFDS)	29.9		1.7	0.40
335-76-2	Perfluorodecanoic acid (PFDA)	32.9		1.7	0.39
307-55-1	Perfluorododecanoic acid (PFDoA)	32.2		1.7	0.39
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	33.5		1.7	0.33
375-85-9	Perfluoroheptanoic acid (PFHpA)	34.4		1.7	0.39
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	30.1		1.7	0.56
307-24-4	Perfluorohexanoic acid (PFHxA)	34.5		1.7	0.70
375-95-1	Perfluorononanoic acid (PFNA)	34.5		1.7	0.49
754-91-6	Perfluorooctanesulfonamide (PFOSA)	34.6		1.7	0.48
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	31.5		1.7	0.73
335-67-1	Perfluorooctanoic acid (PFOA)	34.8		1.7	0.83
2706-90-3	Perfluoropentanoic acid (PFPeA)	34.0		1.7	0.91
376-06-7	Perfluorotetradecanoic acid (PFTeA)	37.7		1.7	0.50
72629-94-8	Perfluorotridecanoic acid (PFTriA)	34.3		1.7	0.36
2058-94-8	Perfluoroundecanoic acid (PFUnA)	36.2		1.7	0.62

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Client Sample ID: MW-2S-022321 MS Lab Sample ID: 480-181441-8 MS

Matrix: Water Lab File ID: PA210303B18.d

Analysis Method: 537 (modified) Date Collected: 02/23/2021 15:20

Extraction Method: 3535 Date Extracted: 03/03/2021 08:24

Sample wt/vol: 296.7(mL) Date Analyzed: 03/03/2021 21:19

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 164492 Units: ng/L

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00996	13C2 PFDA	98		50-150
STL00998	13C2 PFDoA	84		50-150
STL00993	13C2 PFHxA	110		50-150
STL02116	13C2 PFTeDA	78		50-150
STL00997	13C2 PFUnA	86		50-150
STL02337	13C3 PFBS	101		50-150
STL00992	13C4 PFBA	92		25-150
STL01892	13C4 PFHpA	108		50-150
STL00990	13C4 PFOA	106		50-150
STL00991	13C4 PFOS	104		50-150
STL00995	13C5 PFNA	101		50-150
STL01893	13C5 PFPeA	103		25-150
STL01056	13C8 FOSA	93		25-150
STL00994	18O2 PFHxS	104		50-150
STL02118	d3-NMeFOSAA	86		50-150
STL02117	d5-NEtFOSAA	89		50-150
STL02279	M2-6:2 FTS	109		25-150
STL02280	M2-8:2 FTS	98		25-150

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B18.d
Lims ID: 480-181441-A-8-B MS
Client ID: MW-2S-022321
Sample Type: MS
Inject. Date: 03-Mar-2021 21:19:05 ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: 480-181441-A-8-B MS
Misc. Info.: 200-0045034-018 Plate: 1 Rack: 2
Operator ID: lc812tech Instrument ID: LC812

Method: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 04-Mar-2021 11:31:15 Calib Date: 22-Dec-2020 13:29:37
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1647

First Level Reviewer: khanphomeea Date: 04-Mar-2021 10:29:39
Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.080	2.091	-0.011	0.596	1204390	1.15		92.0	8644	
2 Perfluorobutanoic acid										
212.90 > 169.00	2.080	2.091	-0.011	1.000	1027440	1.06		106	186	
D 3 13C5 PFPeA										
267.90 > 223.00	2.398	2.413	-0.015	0.687	971384	1.28		103	2366	
4 Perfluoropentanoic acid										
262.90 > 219.00	2.398	2.413	-0.015	1.000	866879	1.01		101	29.4	
D 47 13C3 PFBS										
301.90 > 80.00	2.424	2.439	-0.015	0.694	1171940	1.18		101	86216	
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.424	2.439	-0.015	1.000	1037232	0.9095	Target=2.21	103	309	
298.90 > 99.00	2.424	2.439	-0.015	1.000	467445		2.22(1.11-3.32)		201	
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.719	2.734	-0.015	0.779	100441	1.21		103	34.6	M
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.719	2.734	-0.015	1.000	143656	0.9106		97.5	2387	
D 7 13C2 PFHxA										
315.00 > 270.00	2.756	2.770	-0.014	0.789	1090969	1.37		110	2486	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.756	2.770	-0.014	1.000	974749	1.02	Target=12.83	102	136	M
313.00 > 119.00	2.756	2.770	-0.014	1.000	79400		12.28(6.42-19.25)		136	
70 Perfluoropentanesulfonic acid										
349.00 > 80.00	2.768	2.783	-0.015	0.887	996959	0.9890	Target=3.35	105	595	
349.00 > 99.00	2.768	2.783	-0.015	0.887	285876		3.49(1.67-5.02)		254	
D 64 13C3 HFPO-DA										
332.10 > 287.00	2.865	2.880	-0.015	0.821	120851	0.8648		69.2	977	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
67 Perfluoro(2-propoxypropanoic) ac										M
329.10 > 285.00	2.865	2.880	-0.015	1.000	166068	1.24		124	33.2	M
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.122	3.132	-0.010	1.000	809246	0.8939	Target=4.15	98.2	498	M
399.00 > 99.00	3.122	3.132	-0.010	1.000	186854		4.33(2.08-6.23)		202	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.122	3.132	-0.010	0.894	908340	1.22		104	3217	
D 9 13C4 PFHpA										
367.00 > 322.00	3.132	3.143	-0.011	0.897	1021243	1.34		108	2586	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.132	3.143	-0.011	1.000	911341	1.02	Target=3.66	102	183	
363.00 > 169.00	3.132	3.143	-0.011	1.000	265256		3.44(1.83-5.49)		578	
77 DONA										
377.00 > 251.00	3.165	3.175	-0.011	0.832	1722551	0.9696	Target=2.43	103	2274	
377.00 > 85.00	3.165	3.175	-0.011	0.832	720821		2.39(1.22-3.65)		857	
16 Perfluoroheptanesulfonic acid										
449.00 > 80.00	3.474	3.483	-0.009	0.913	711093	0.99	Target=5.95	104	1328	
449.00 > 99.00	3.474	3.483	-0.009	0.913	118296		6.01(2.98-8.93)		496	
D 12 M2-6:2 FTS										
429.00 > 81.00	3.483	3.483	0.0	0.997	119616	1.29		109	226	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.483	3.483	0.0	1.000	97645	0.8715		91.9	1154	
D 14 13C4 PFOA										
417.00 > 372.00	3.492	3.492	0.0	1.000	1022771	1.33		106	3710	
* 62 13C2 PFOA										
415.00 > 370.00	3.492	3.492	0.0		974880	1.25			2859	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.492	3.492	0.0	1.000	916990	1.03	Target=2.58	103	235	
413.00 > 169.00	3.492	3.492	0.0	1.000	371330		2.47(1.29-3.87)		1107	M
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.804	3.804	0.0	1.000	570725	0.9354	Target=5.65	101	257	M
499.00 > 99.00	3.804	3.804	0.0	1.000	102607		5.56(2.82-8.47)		344	M
D 18 13C4 PFOS										
503.00 > 80.00	3.804	3.804	0.0	1.089	633987	1.25		104	1663	
D 19 13C5 PFNA										
468.00 > 423.00	3.825	3.825	0.0	1.095	855621	1.26		101	2762	
20 Perfluorononanoic acid										
463.00 > 419.00	3.825	3.825	0.0	1.000	775274	1.02	Target=7.44	102	178	
463.00 > 169.00	3.825	3.825	0.0	1.000	110837		6.99(3.72-11.16)		1521	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.964	3.964	0.0	1.042	550877	0.8092		86.8	2512	
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.093	4.093	0.0	1.076	423368	0.9300	Target=2.54	96.9	1850	
549.00 > 99.00	4.093	4.093	0.0	1.076	136678		3.10(1.27-3.81)		410	
D 23 13C2 PFDA										
515.00 > 470.00	4.126	4.126	0.0	1.182	800690	1.23		98.4	4506	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										
513.00 > 469.00	4.126	4.126	0.0	1.000	643435	0.9747	Target=9.29	97.5	494	
513.00 > 169.00	4.126	4.126	0.0	1.000	74879		8.59(4.64-13.93)		900	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.126	4.137	-0.011	1.182	112201	1.17		98.1	465	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.126	4.137	-0.011	1.000	47675	0.7481		78.1	791	
D 21 13C8 FOSA										
506.00 > 78.00	4.215	4.225	-0.010	1.207	1106489	1.16		92.5	2453	
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.215	4.225	-0.010	1.000	909601	1.03		103	1987	
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.257	4.268	-0.011	1.219	50788	1.08		86.1	187	M
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.268	4.268	0.0	1.003	36083	1.00		100	328	
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.358	4.358	0.0	1.146	321759	0.8866	Target=2.80	92.0	1551	
599.00 > 99.00	4.358	4.358	0.0	1.146	115321		2.79(1.40-4.19)		665	
D 30 13C2 PFUnA										
565.00 > 520.00	4.380	4.391	-0.011	1.254	571754	1.07		85.5	1899	
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.380	4.391	-0.011	1.000	501170	1.07	Target=8.12	107	404	
563.00 > 169.00	4.380	4.391	-0.011	1.000	60311		8.31(4.06-12.18)		777	
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.391	4.402	-0.011	1.257	50623	1.11		88.7	441	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.402	4.402	0.0	1.003	35434	0.9452		94.5	469	M
66 11-Chloroeicosafluoro-3-oxaundec										
631.00 > 451.00	4.480	4.480	0.0	1.178	477716	0.6763		71.8	1998	
D 36 13C2 PFDoA										
615.00 > 570.00	4.611	4.612	-0.001	1.320	589399	1.04		83.5	2542	
37 Perfluorododecanoic acid										
613.00 > 569.00	4.611	4.612	-0.001	1.000	495405	0.9553	Target=6.91	95.5	185	
613.00 > 169.00	4.611	4.612	-0.001	1.000	83504		5.93(3.45-10.36)		1467	
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.632	4.633	-0.001	1.123	25877	0.7888		81.8	7036	
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.783	4.784	-0.001	1.257	107484	0.8050	Target=0.51	83.2	1272	
699.00 > 99.00	4.783	4.784	-0.001	1.257	229887		0.47(0.26-0.77)		1072	
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.822	4.823	-0.001	1.046	428581	1.02	Target=4.39	102	211	
663.00 > 169.00	4.822	4.823	-0.001	1.046	106298		4.03(2.20-6.59)		1804	
D 43 13C2 PFTeDA										
715.00 > 670.00	5.004	5.005	-0.001	1.433	404899	0.9699		77.6	3367	
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.004	5.005	-0.001	1.000	67198	1.12	Target=1.06	112	2124	
713.00 > 219.00	5.004	5.005	-0.001	1.000	64102		1.05(0.53-1.59)		1013	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 44 13C2 PFHxDA										
815.00 > 770.00	5.349	5.349	0.0	1.532	407279	0.9133		73.1	2400	
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.349	5.349	0.0	1.000	296879	0.9632	Target=3.84	96.3	170	
813.00 > 169.00	5.349	5.349	0.0	1.000	83424		3.56(1.92-5.76)		1654	
46 Perfluorooctadecanoic acid										
913.00 > 869.00	5.674	5.665	0.009	1.061	252624	0.8617	Target=3.92	86.2	292	
913.00 > 169.00	5.674	5.665	0.009	1.061	72529		3.48(1.96-5.88)		1063	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Report Date: 04-Mar-2021 11:31:24 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B18.d

Injection Date: 03-Mar-2021 21:19:05 Instrument ID: LC812

Lims ID: 480-181441-A-8-B MS

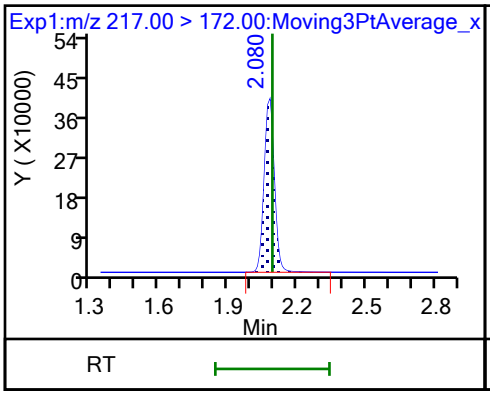
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Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 18

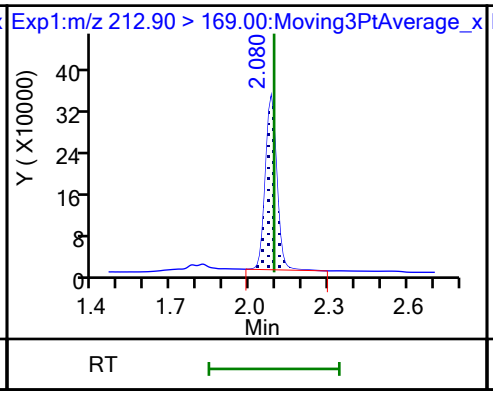
Injection Vol: 20.0 ul Dil. Factor: 1.0000

Method: PFC_LC812 Limit Group: LC_PFC_ICAL

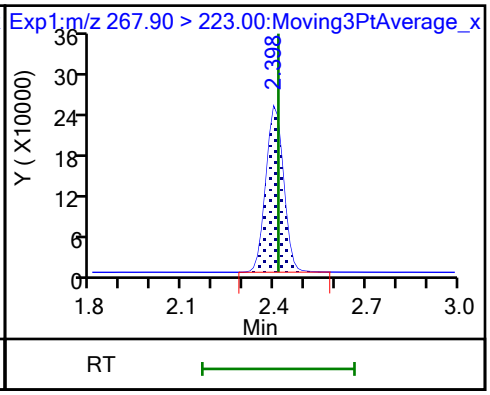
D 1 13C4 PFBA



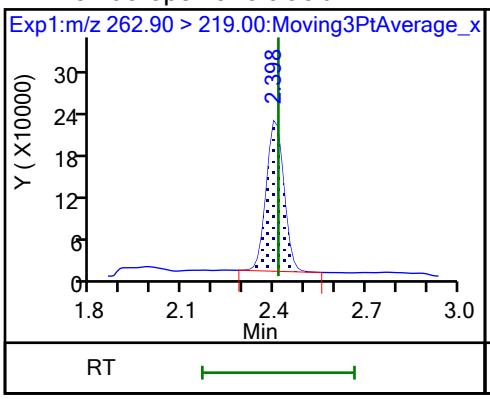
2 Perfluorobutanoic acid



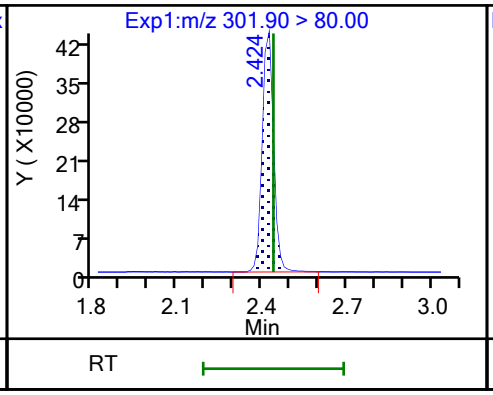
D 3 13C5 PFPeA



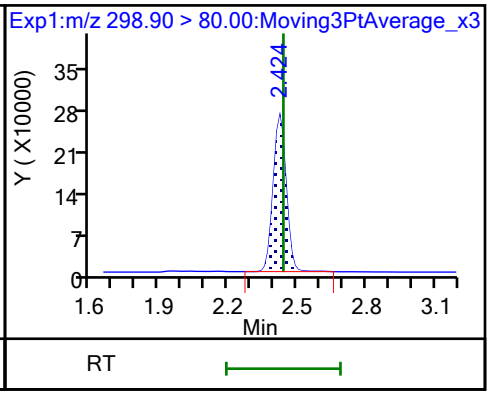
4 Perfluoropentanoic acid



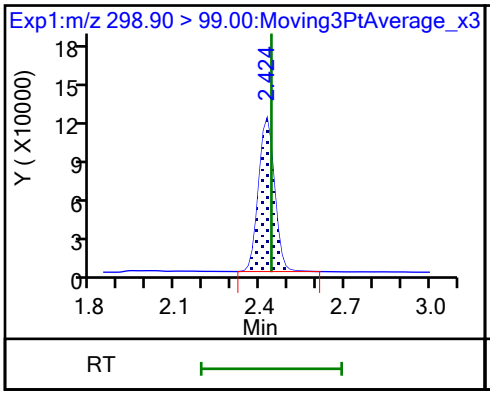
D 47 13C3 PFBS



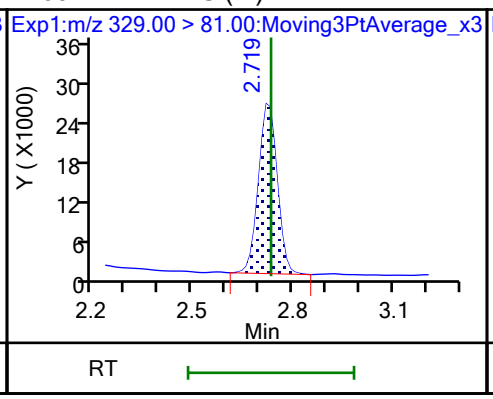
5 Perfluorobutanesulfonic acid



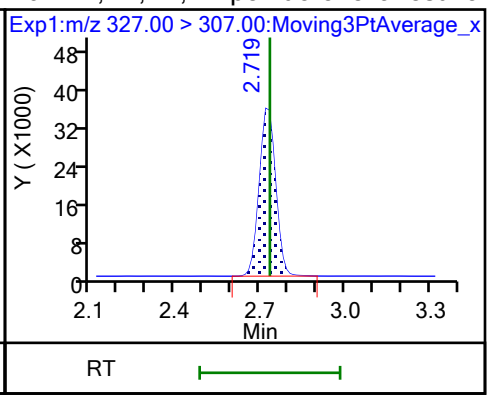
5 Perfluorobutanesulfonic acid



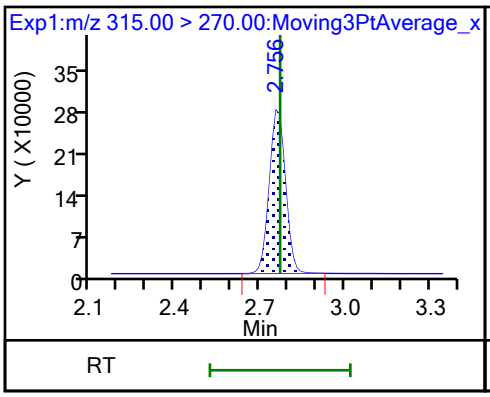
D 60 M2-4:2 FTS (M)



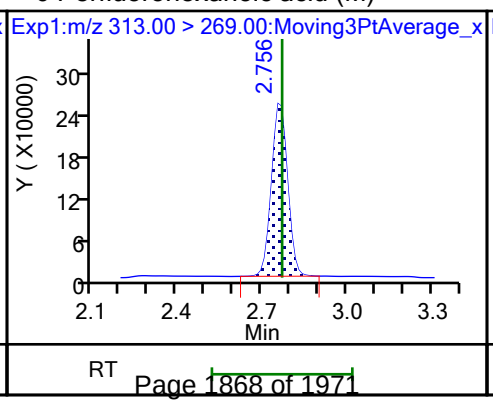
61 1H,1H,2H,2H-perfluorohexanesulfo



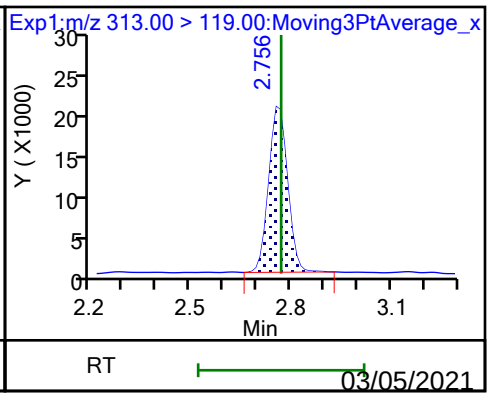
D 7 13C2 PFHxA



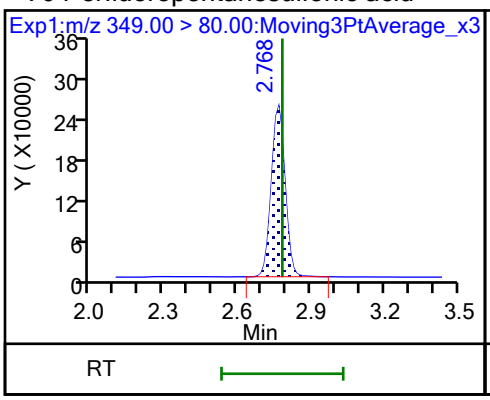
6 Perfluorohexanoic acid (M)



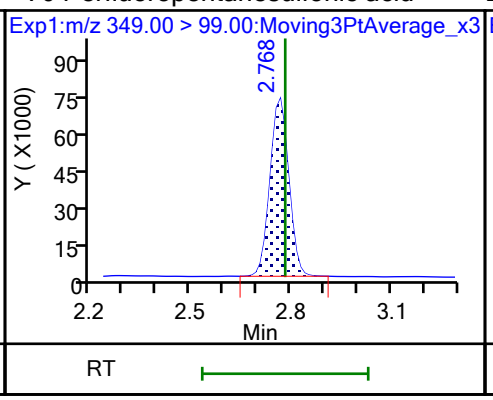
6 Perfluorohexanoic acid



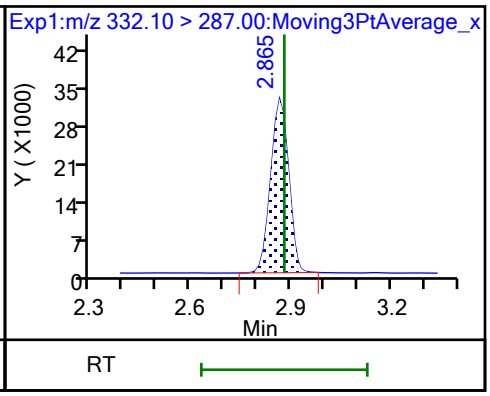
70 Perfluoropentanesulfonic acid



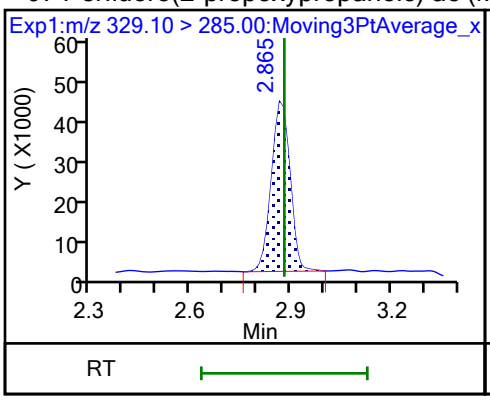
70 Perfluoropentanesulfonic acid



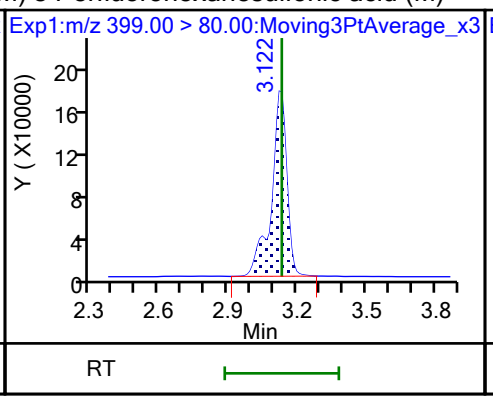
D 64 13C3 HFPO-DA



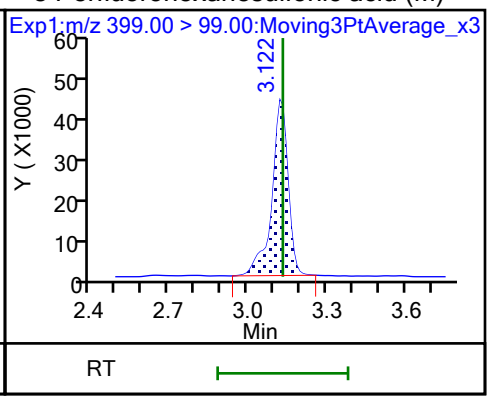
67 Perfluoro(2-propoxypropanoic) ac (M)



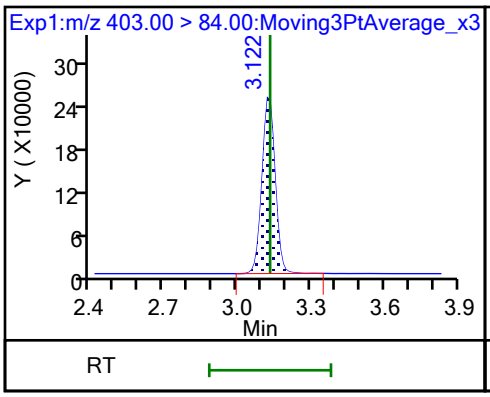
8 Perfluorohexanesulfonic acid (M)



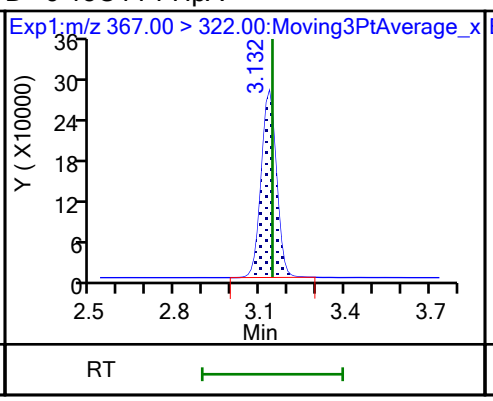
8 Perfluorohexanesulfonic acid (M)



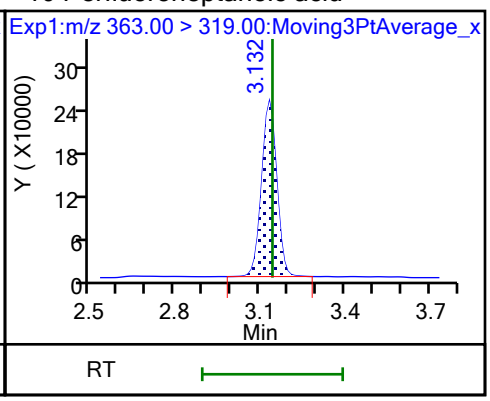
D 11 18O2 PFHxS



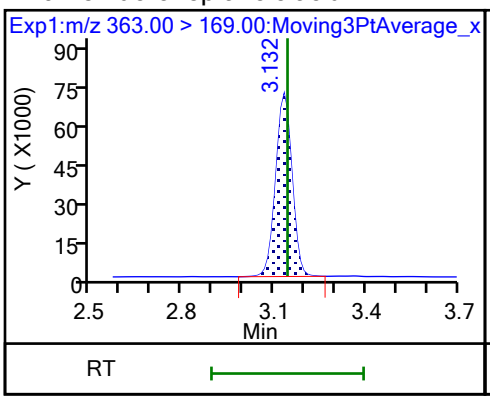
D 9 13C4 PFHpA



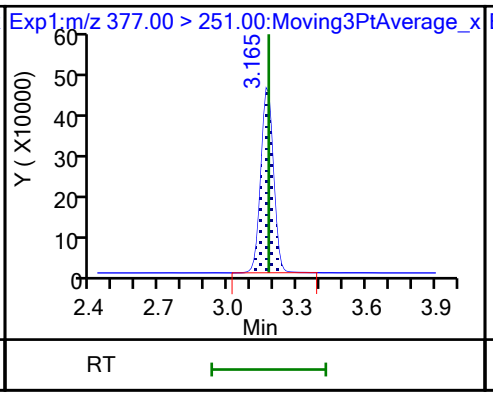
10 Perfluoroheptanoic acid



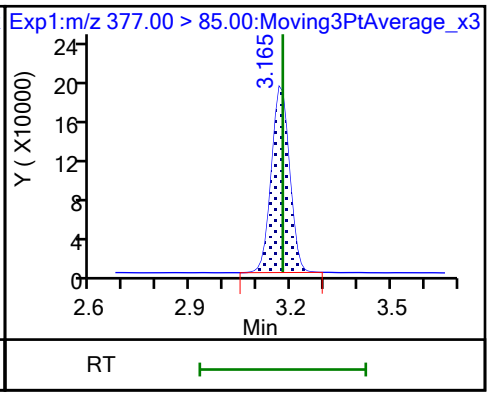
10 Perfluoroheptanoic acid



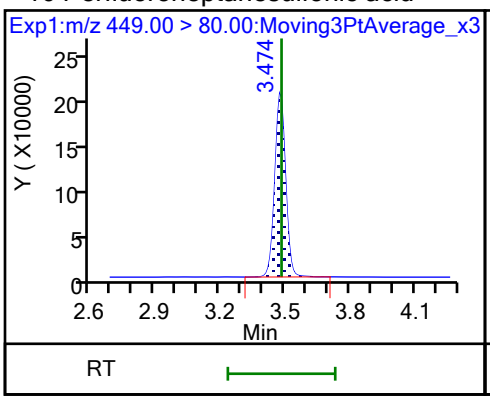
77 DONA



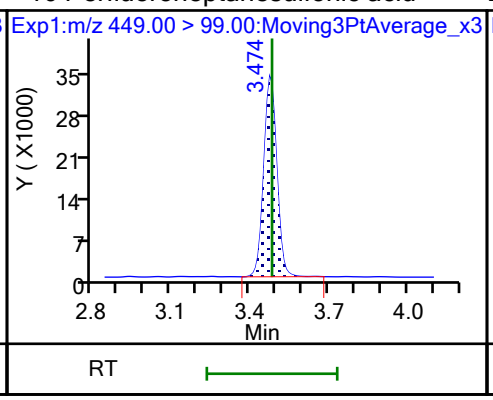
77 DONA



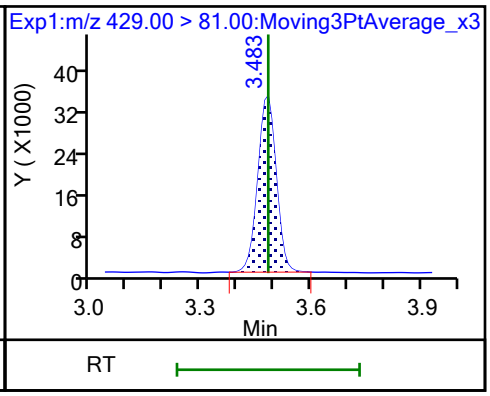
16 Perfluoroheptanesulfonic acid



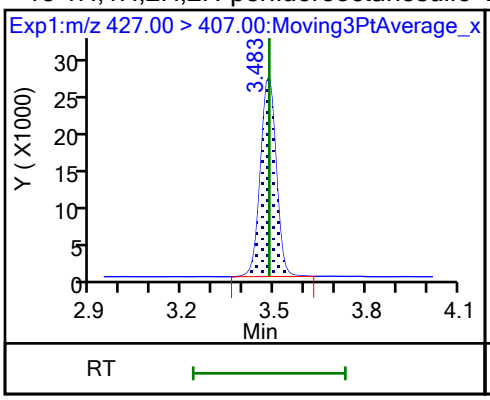
16 Perfluoroheptanesulfonic acid



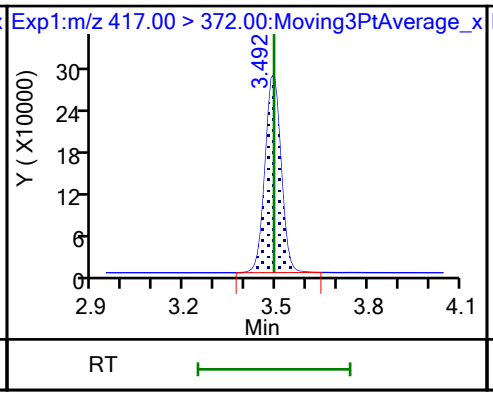
D 12 M2-6:2 FTS



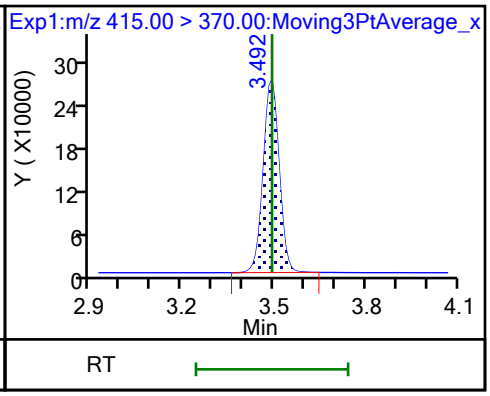
13 1H,1H,2H,2H-perfluorooctanesulfo



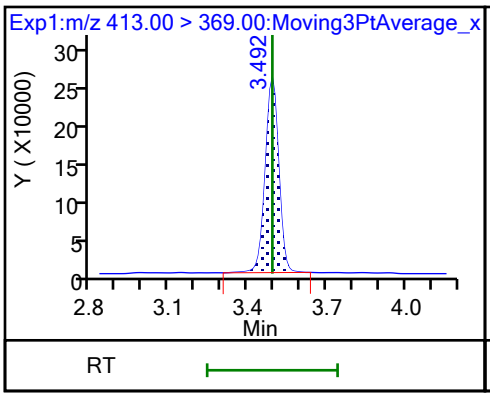
D 14 13C4 PFOA



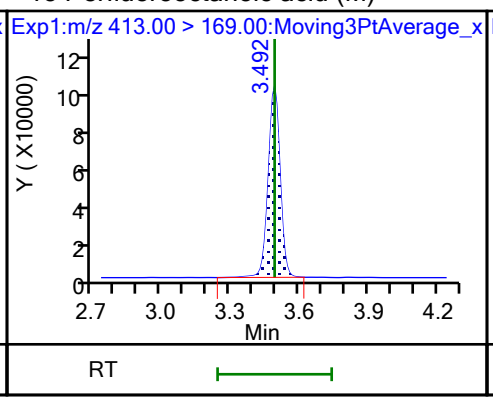
* 62 13C2 PFOA



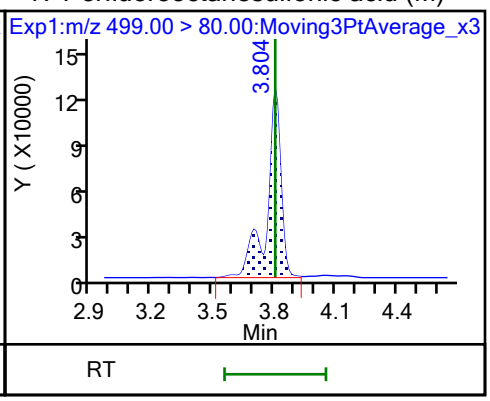
15 Perfluorooctanoic acid



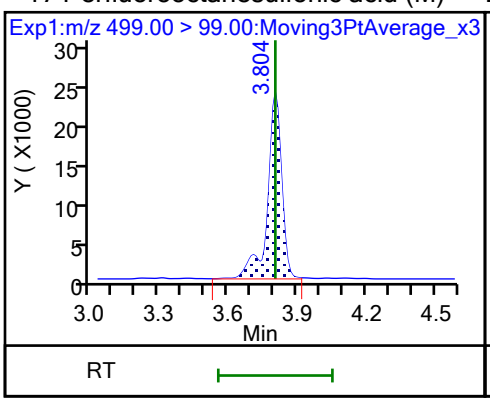
15 Perfluorooctanoic acid (M)



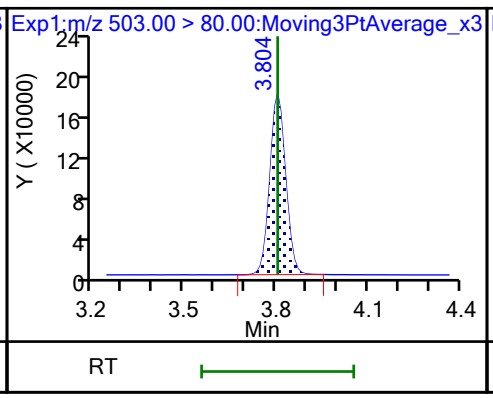
17 Perfluorooctanesulfonic acid (M)



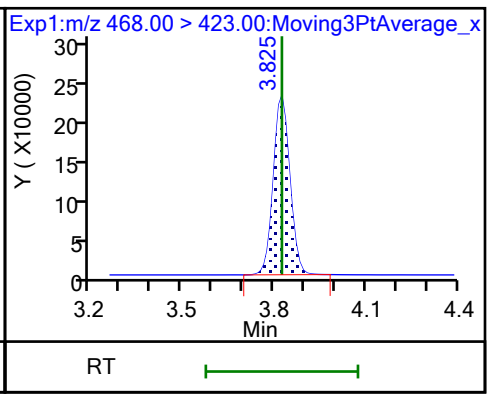
17 Perfluorooctanesulfonic acid (M)



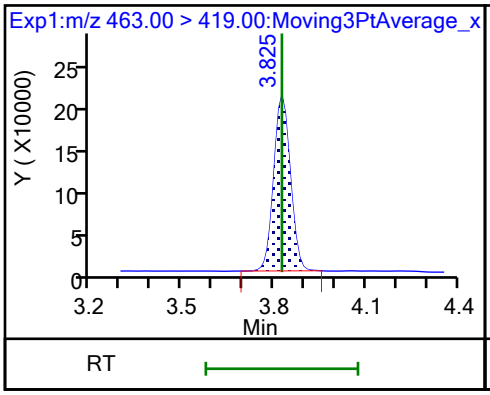
D 18 13C4 PFOS



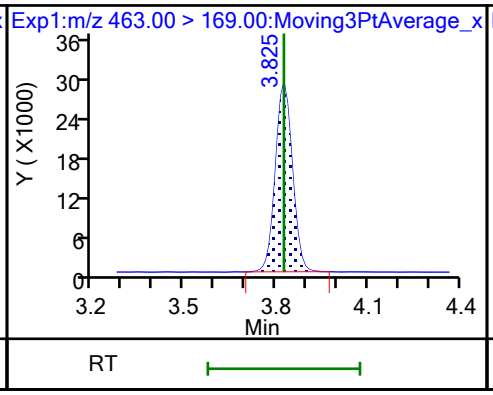
D 19 13C5 PFNA



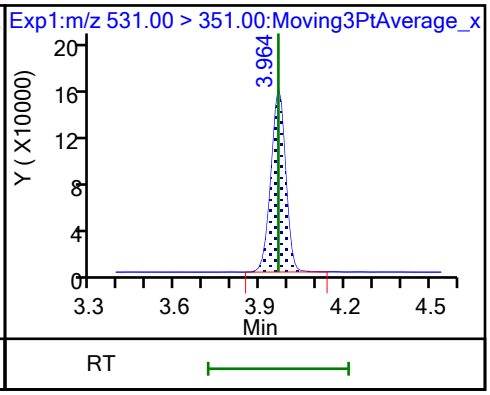
20 Perfluorononanoic acid



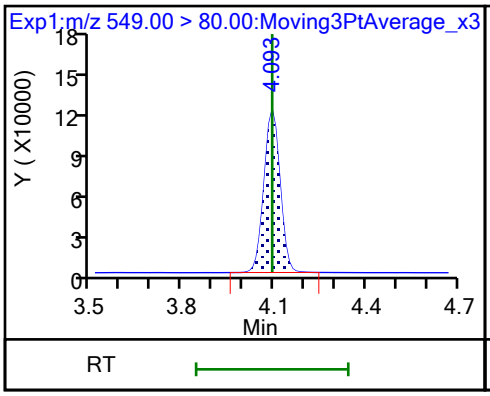
20 Perfluorononanoic acid



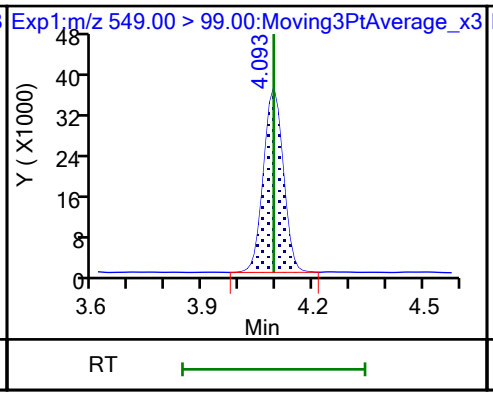
69 9-Chlorohexadecafluoro-3-oxanona



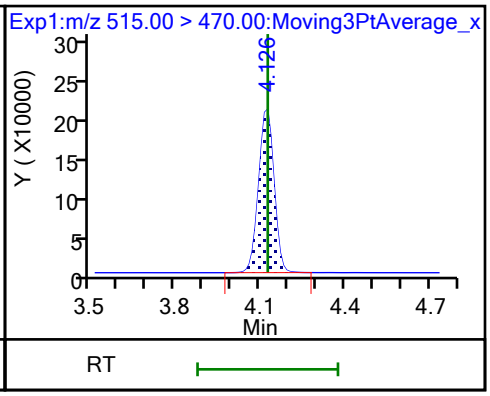
68 Perfluorononanesulfonic acid



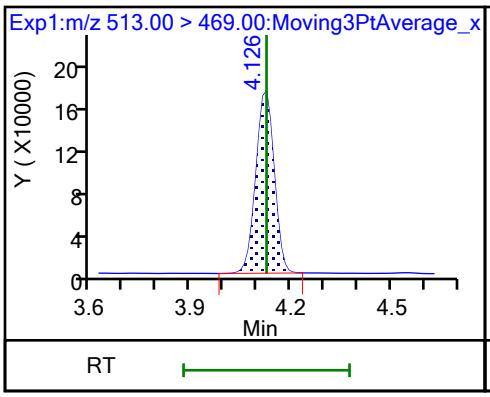
68 Perfluorononanesulfonic acid



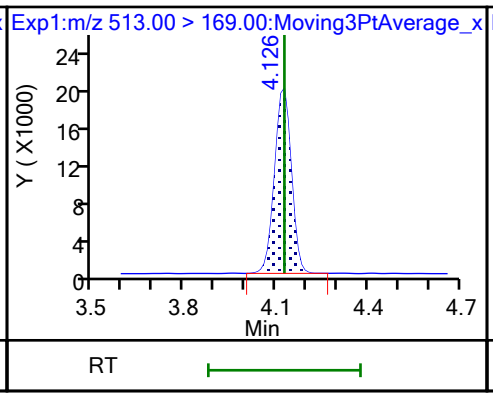
D 23 13C2 PFDA



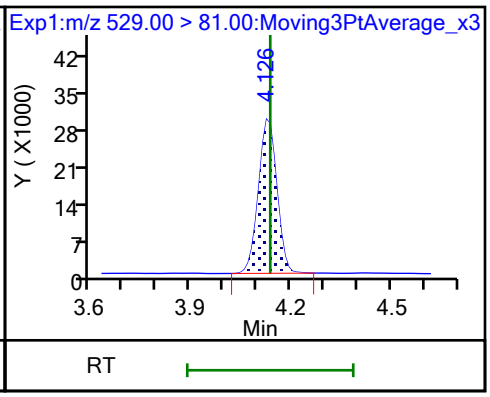
24 Perfluorodecanoic acid



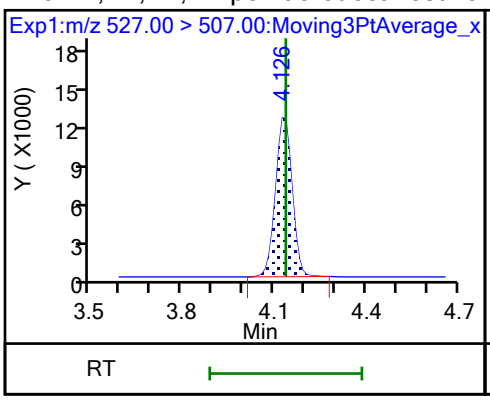
24 Perfluorodecanoic acid



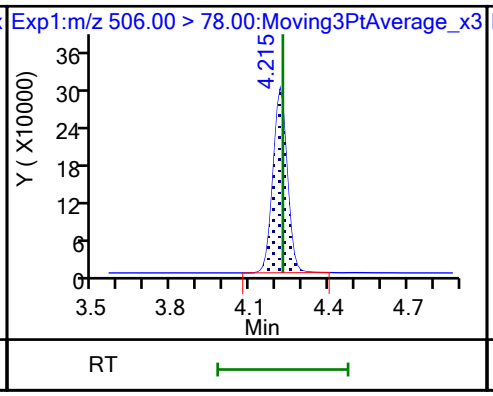
D 26 M2-8:2 FTS



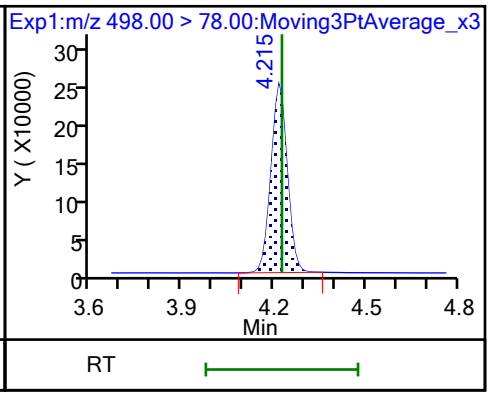
25 1H,1H,2H,2H-perfluorodecanesulfo



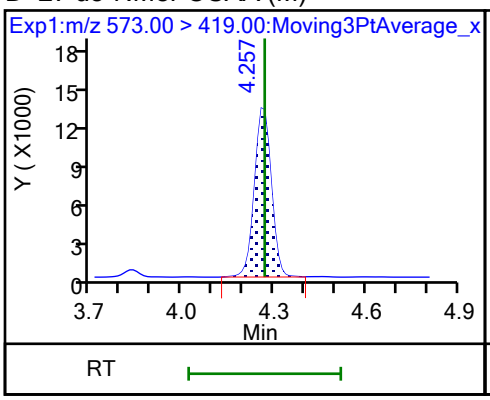
D 21 13C8 FOSA



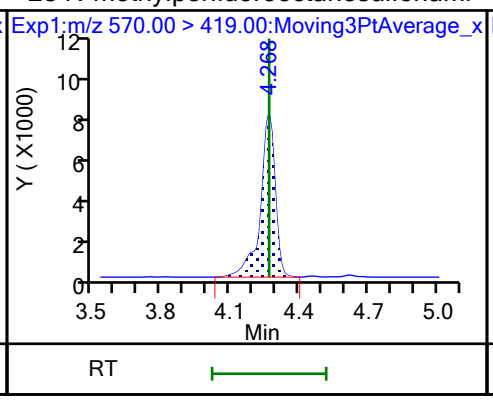
22 Perfluorooctanesulfonamide



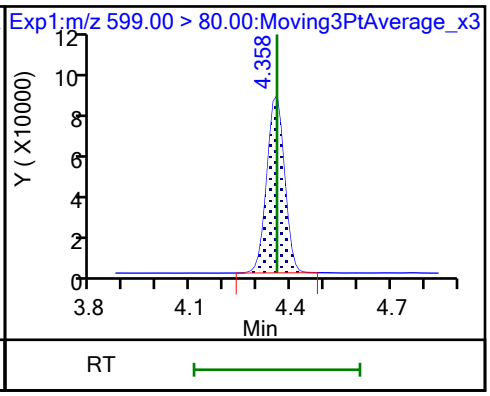
D 27 d3-NMeFOSAA (M)



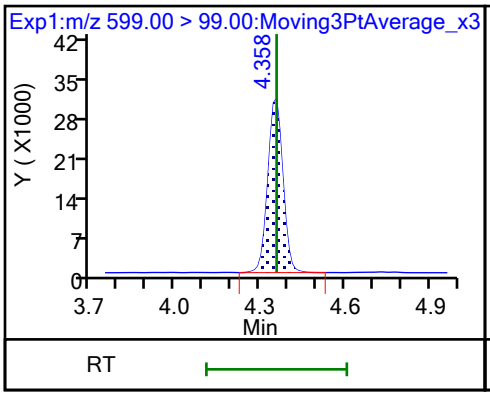
28 N-methylperfluorooctanesulfonami



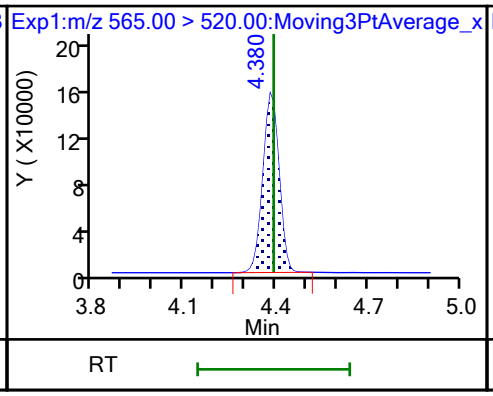
29 Perfluorodecanesulfonic acid



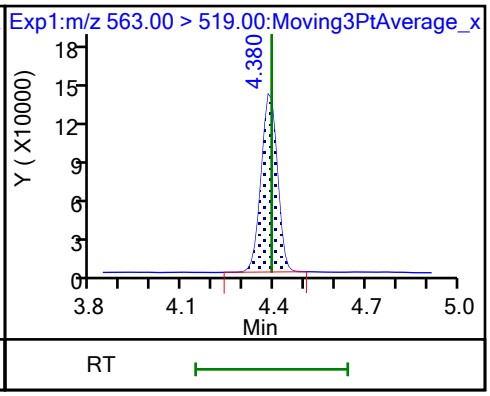
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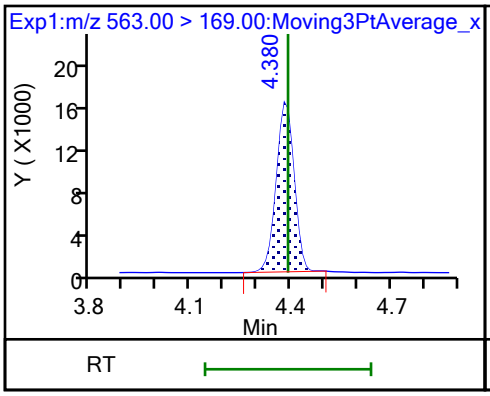
D 30 13C2 PFUnA



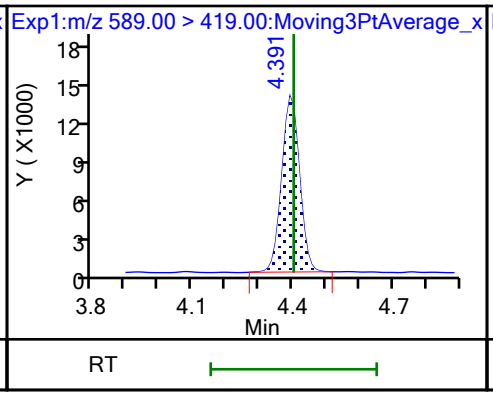
31 Perfluoroundecanoic acid



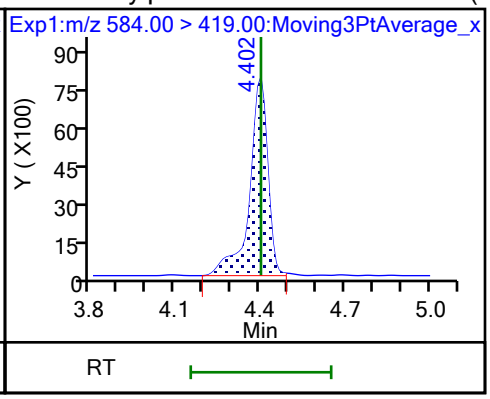
31 Perfluoroundecanoic acid



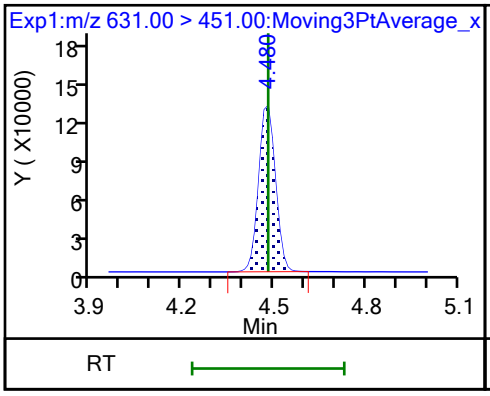
D 32 d5-NEtFOSAA



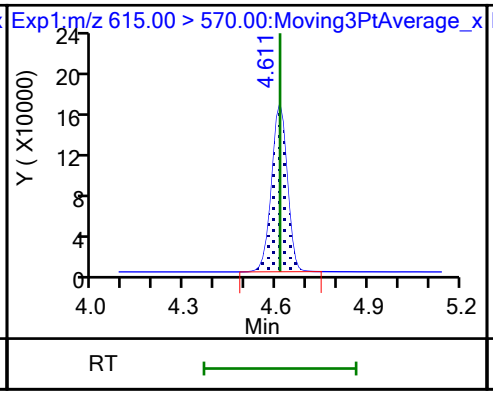
33 N-ethylperfluorooctanesulfonamid (M)



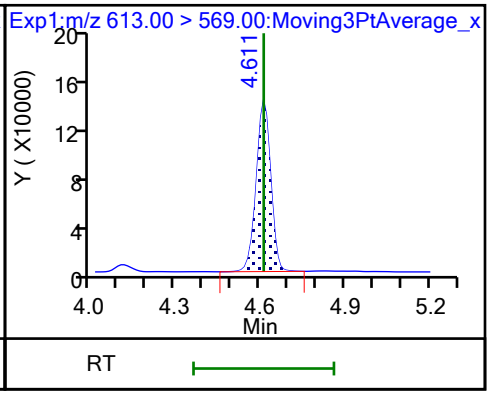
66 11-Chloroeicosafluoro-3-oxaundec



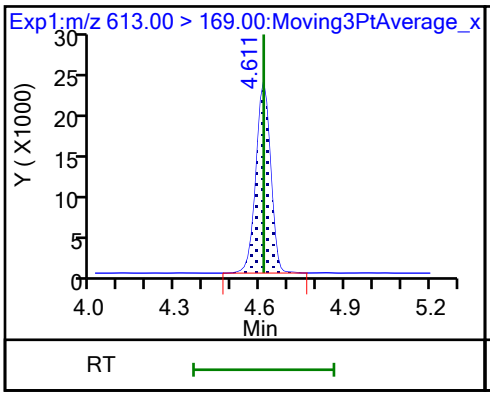
D 36 13C2 PFDoA



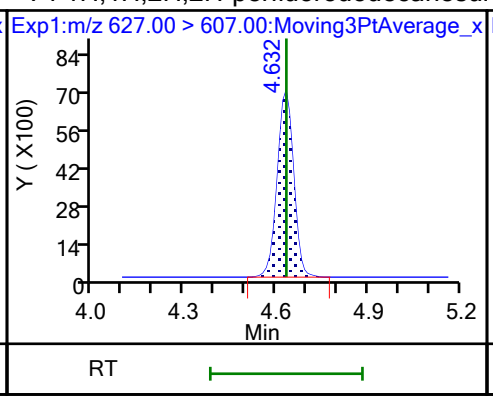
37 Perfluorododecanoic acid



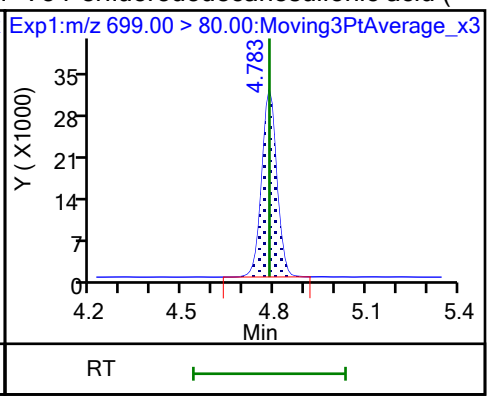
37 Perfluorododecanoic acid



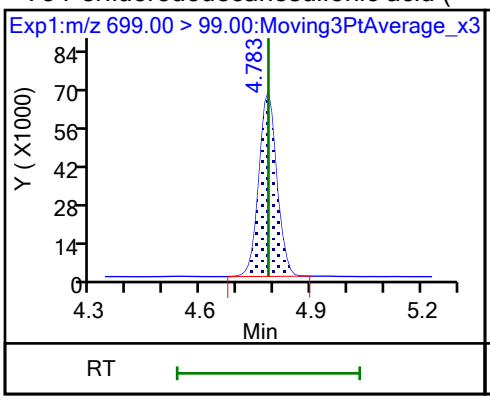
74 1H,1H,2H,2H-perfluorododecanesul



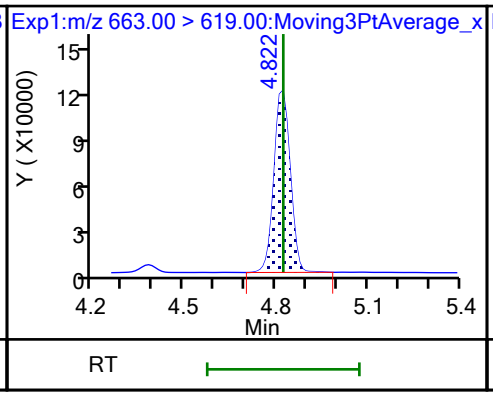
75 Perfluorododecanesulfonic acid (



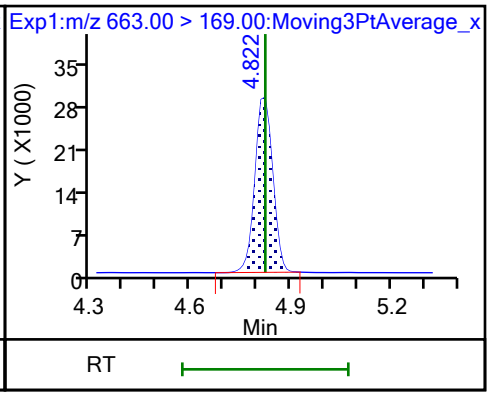
75 Perfluorododecanesulfonic acid (



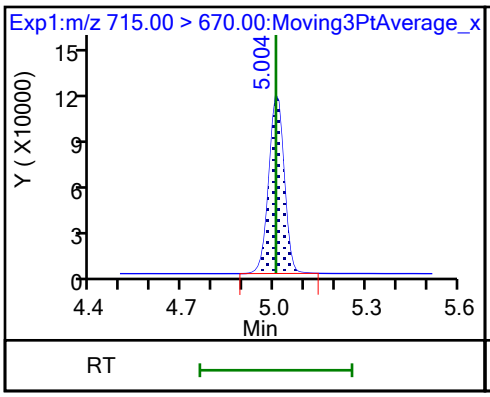
41 Perfluorotridecanoic acid



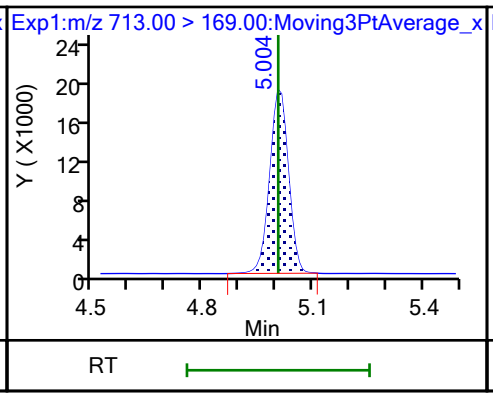
41 Perfluorotridecanoic acid



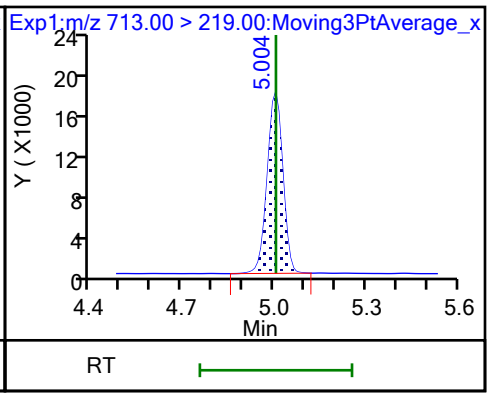
D 43 13C2 PFTeDA



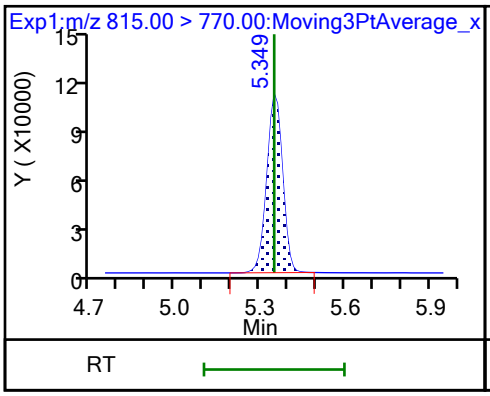
42 Perfluorotetradecanoic acid



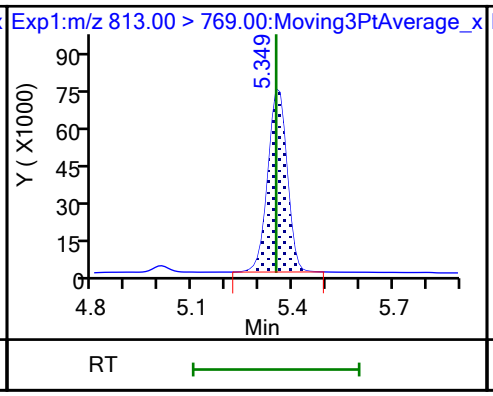
42 Perfluorotetradecanoic acid



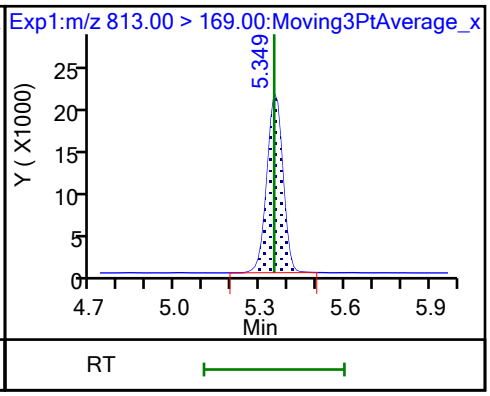
D 44 13C2 PFHxDA



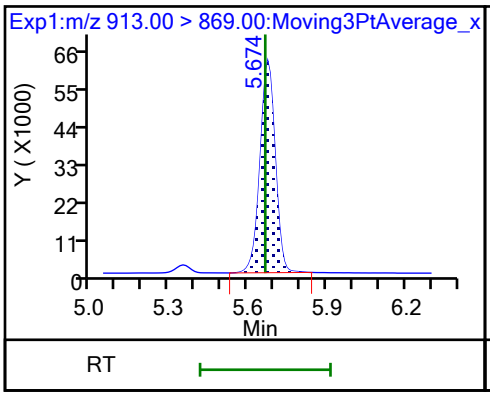
45 Perfluorohexadecanoic acid



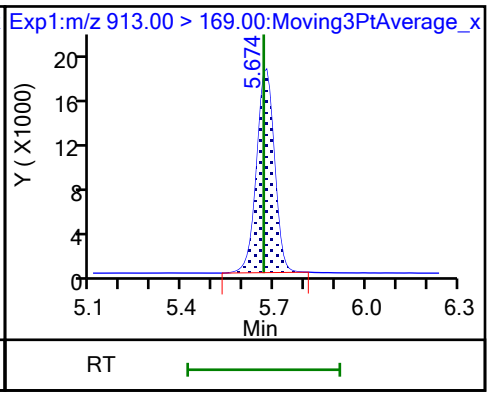
45 Perfluorohexadecanoic acid



46 Perfluorooctadecanoic acid



46 Perfluorooctadecanoic acid



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

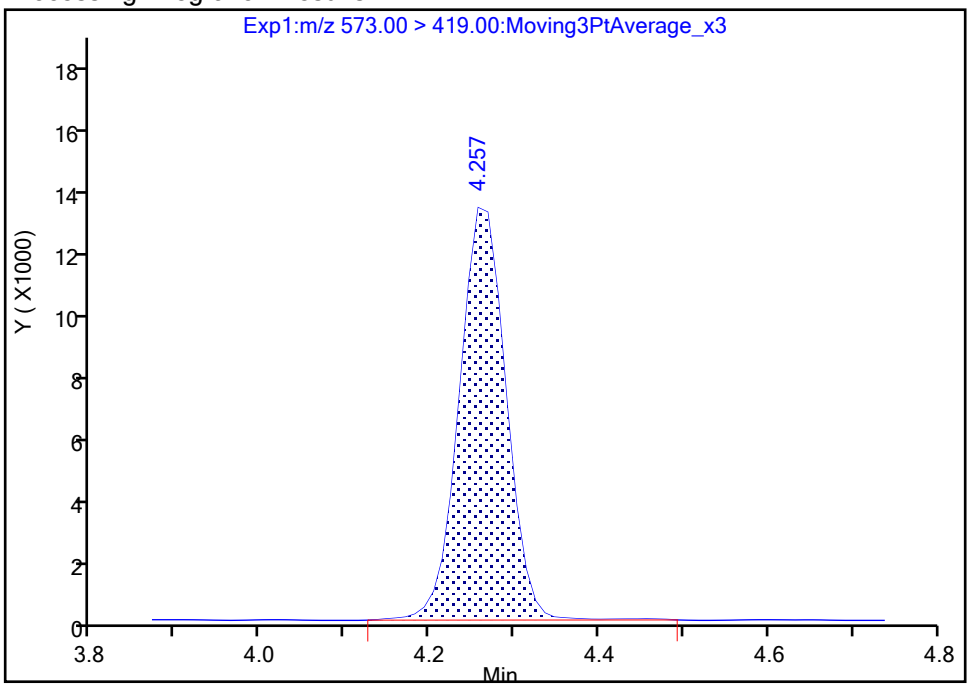
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B18.d				
Injection Date:	03-Mar-2021 21:19:05	Instrument ID:	LC812		
Lims ID:	480-181441-A-8-B MS				
Client ID:	MW-2S-022321				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

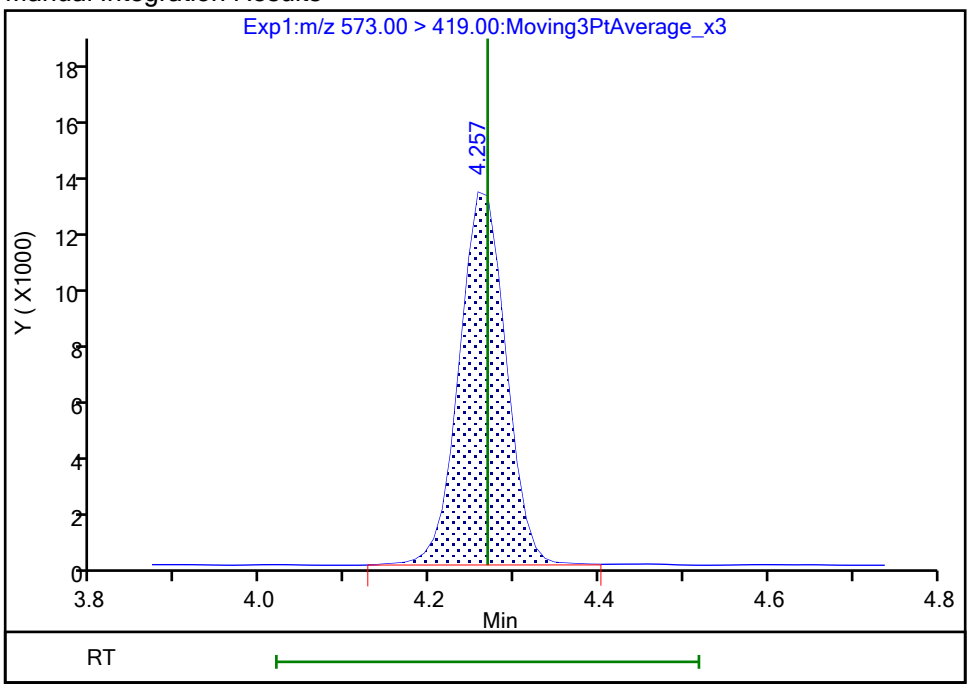
Processing Integration Results

RT: 4.26
Area: 50910
Amount: 1.078291
Amount Units: ng/ml



Manual Integration Results

RT: 4.26
Area: 50788
Amount: 1.075707
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:28:04

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Burlington

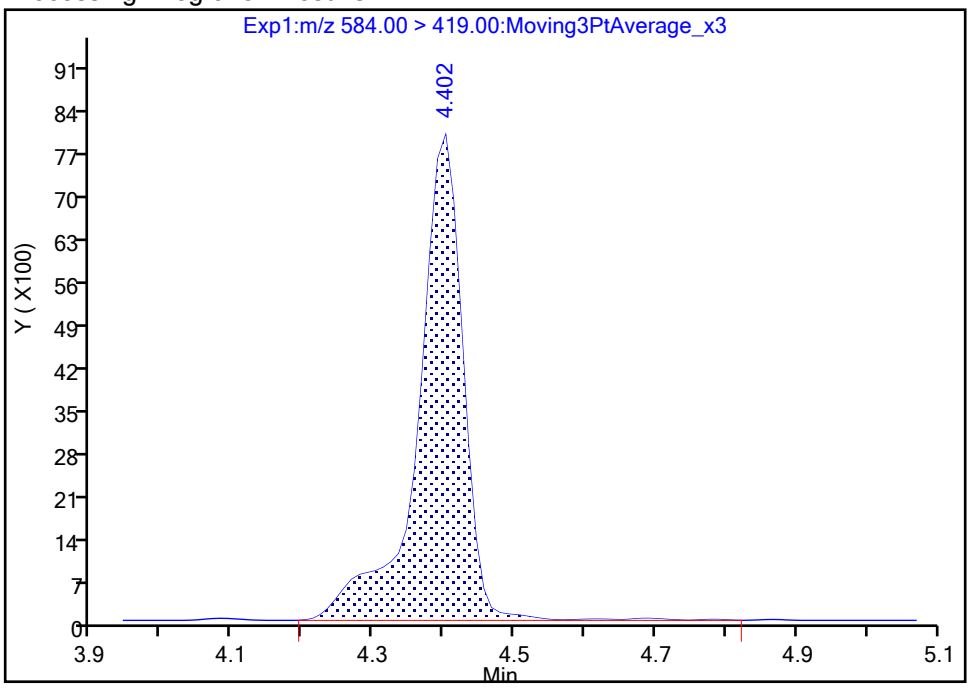
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Injection Date:	03-Mar-2021 21:19:05	Instrument ID:	LC812		
Lims ID:	480-181441-A-8-B MS				
Client ID:	MW-2S-022321				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

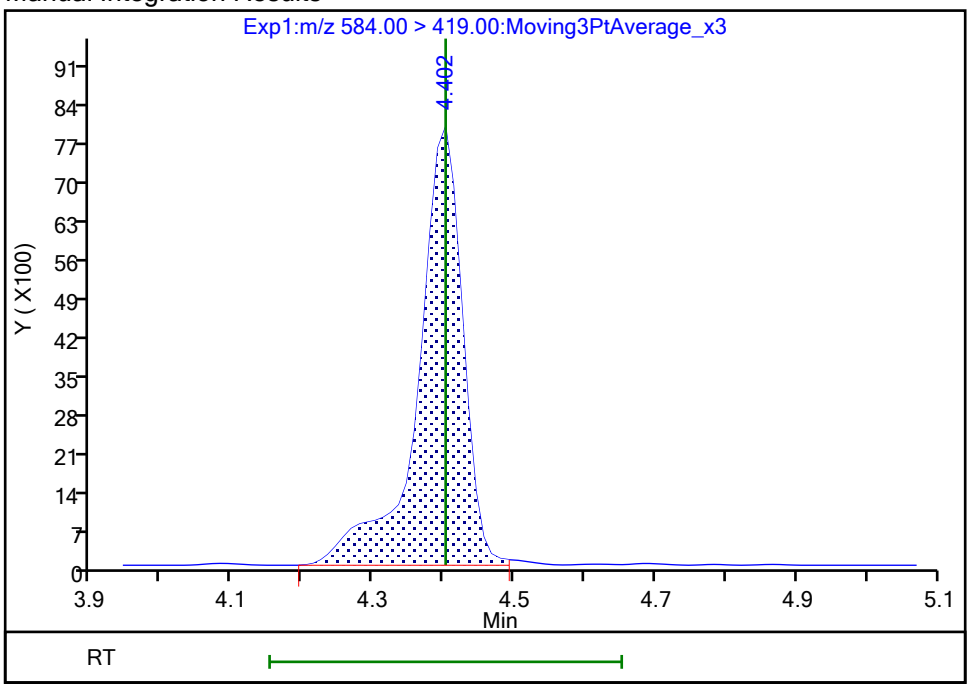
Processing Integration Results

RT: 4.40
Area: 35858
Amount: 0.956485
Amount Units: ng/ml



Manual Integration Results

RT: 4.40
Area: 35434
Amount: 0.945175
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:29:28
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

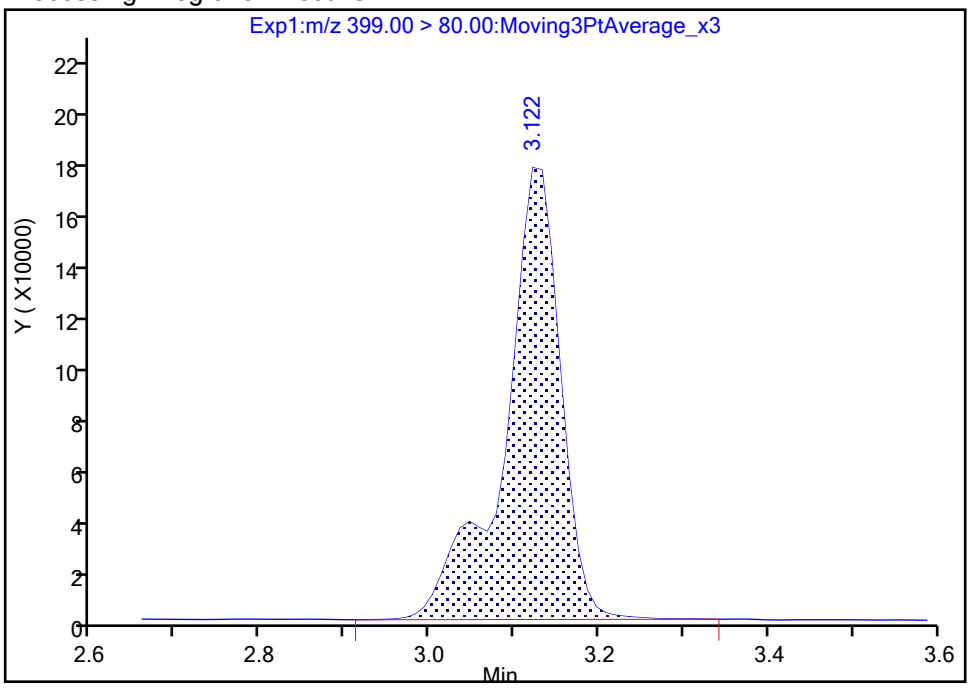
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Injection Date:	03-Mar-2021 21:19:05	Instrument ID:	LC812		
Lims ID:	480-181441-A-8-B MS				
Client ID:	MW-2S-022321				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

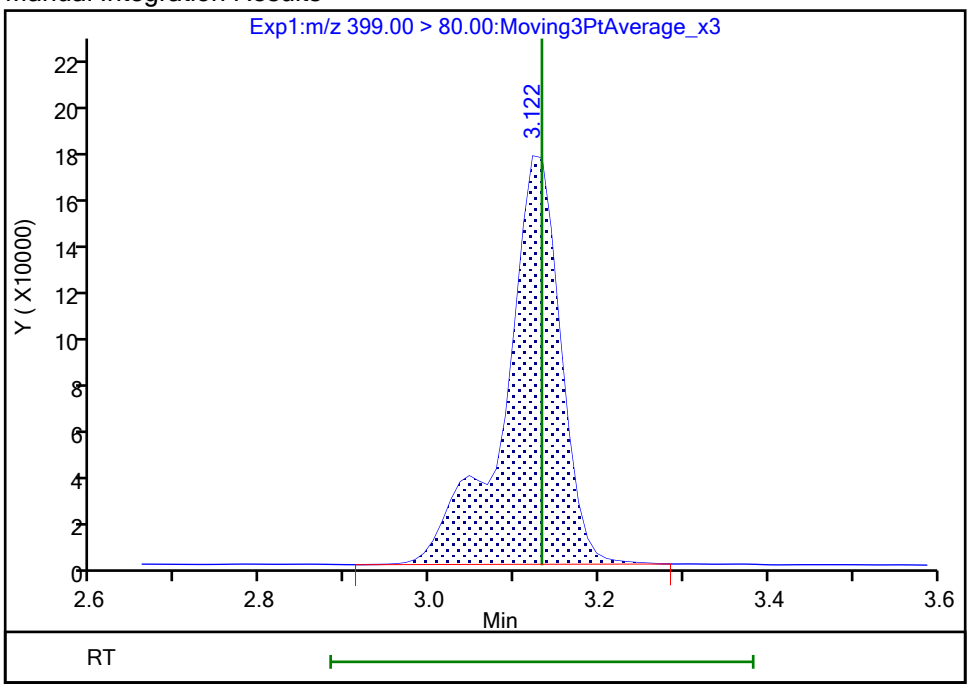
Processing Integration Results

RT: 3.12
Area: 810849
Amount: 0.895714
Amount Units: ng/ml



Manual Integration Results

RT: 3.12
Area: 809246
Amount: 0.893944
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:28:41

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

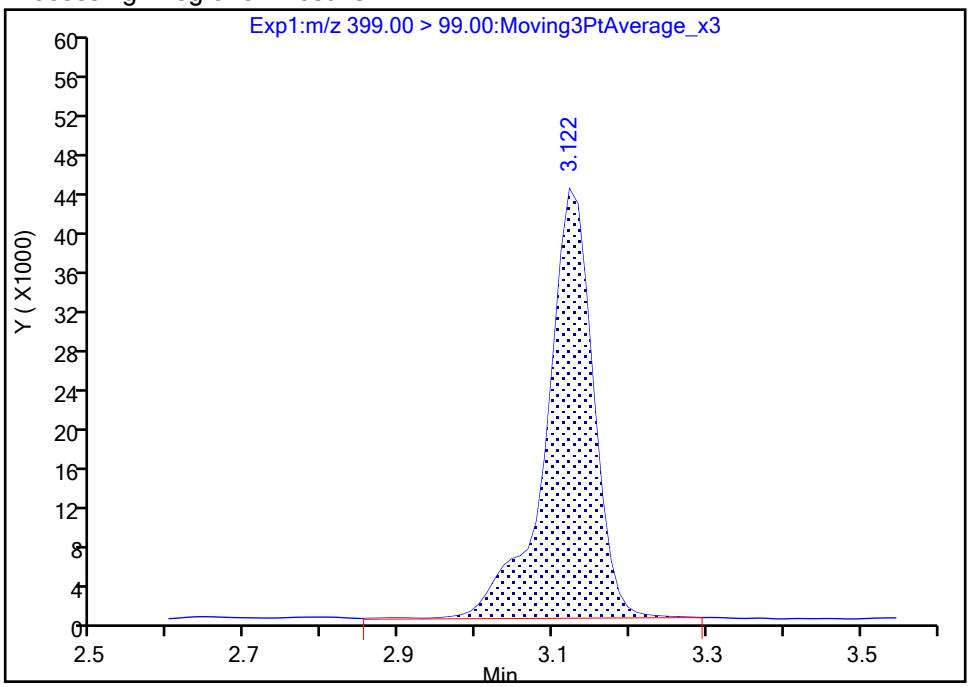
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Injection Date:	03-Mar-2021 21:19:05	Instrument ID:	LC812		
Lims ID:	480-181441-A-8-B MS				
Client ID:	MW-2S-022321				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

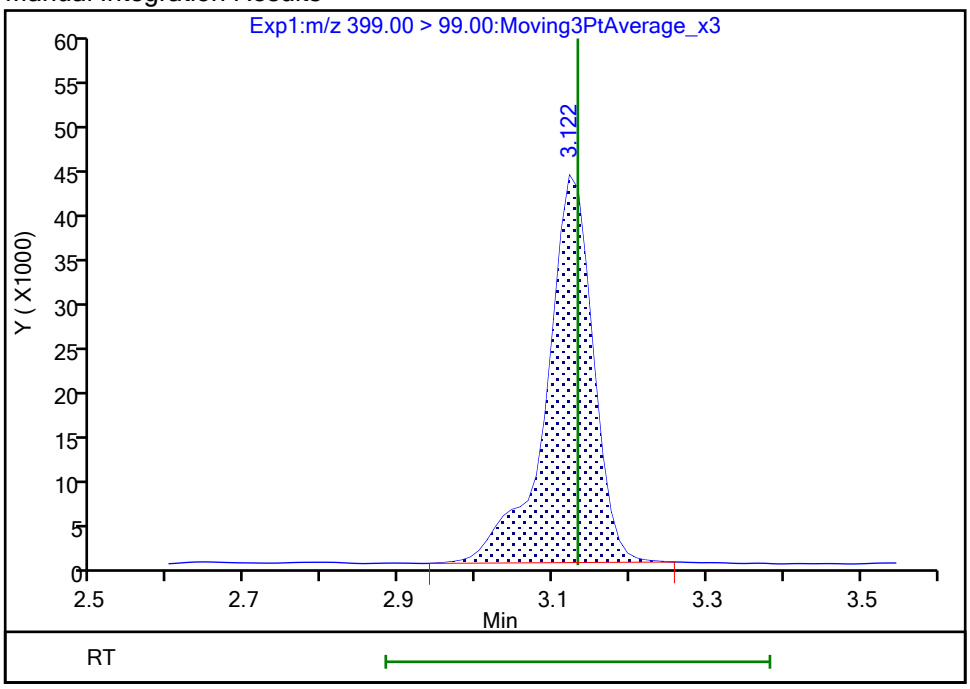
Processing Integration Results

RT: 3.12
Area: 188931
Amount: 0.895714
Amount Units: ng/ml



Manual Integration Results

RT: 3.12
Area: 186854
Amount: 0.893944
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:28:47
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

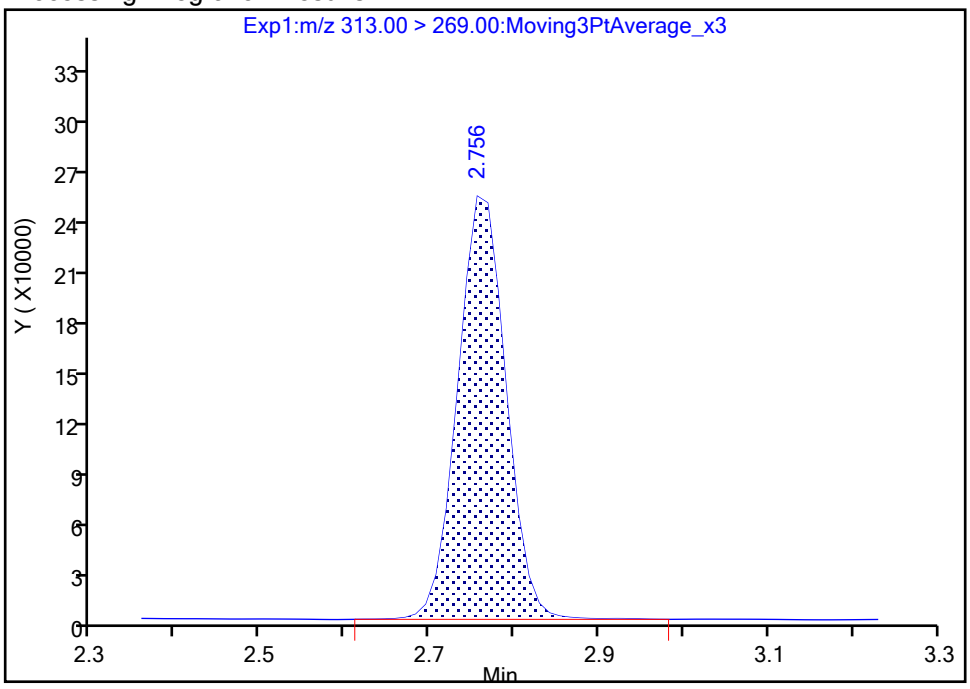
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Injection Date:	03-Mar-2021 21:19:05	Instrument ID:	LC812		
Lims ID:	480-181441-A-8-B MS				
Client ID:	MW-2S-022321				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

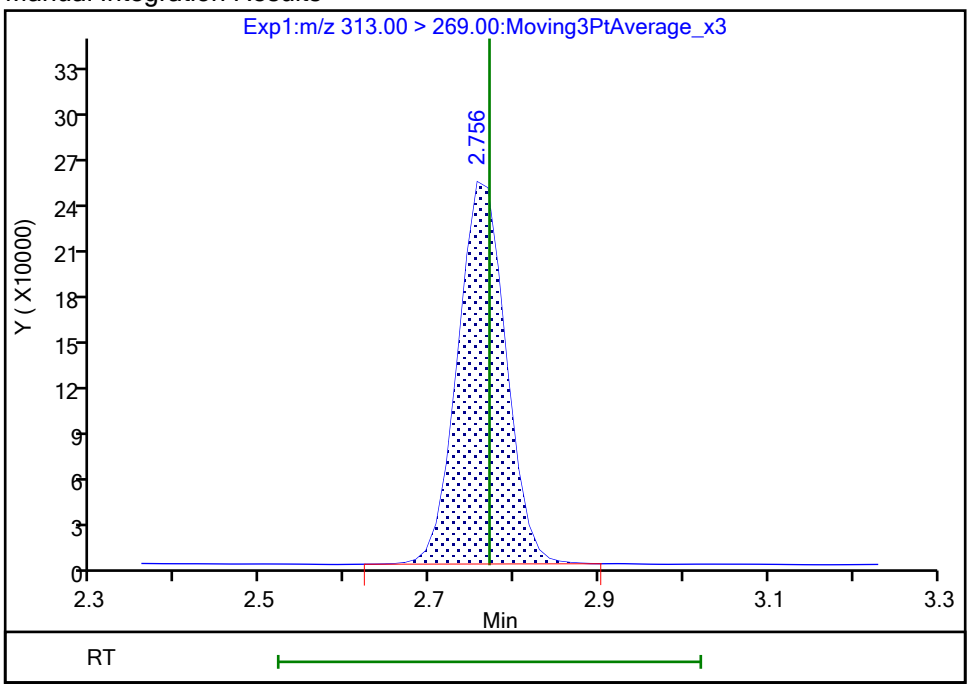
Processing Integration Results

RT: 2.76
Area: 979578
Amount: 1.027392
Amount Units: ng/ml



Manual Integration Results

RT: 2.76
Area: 974749
Amount: 1.022327
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:28:27

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

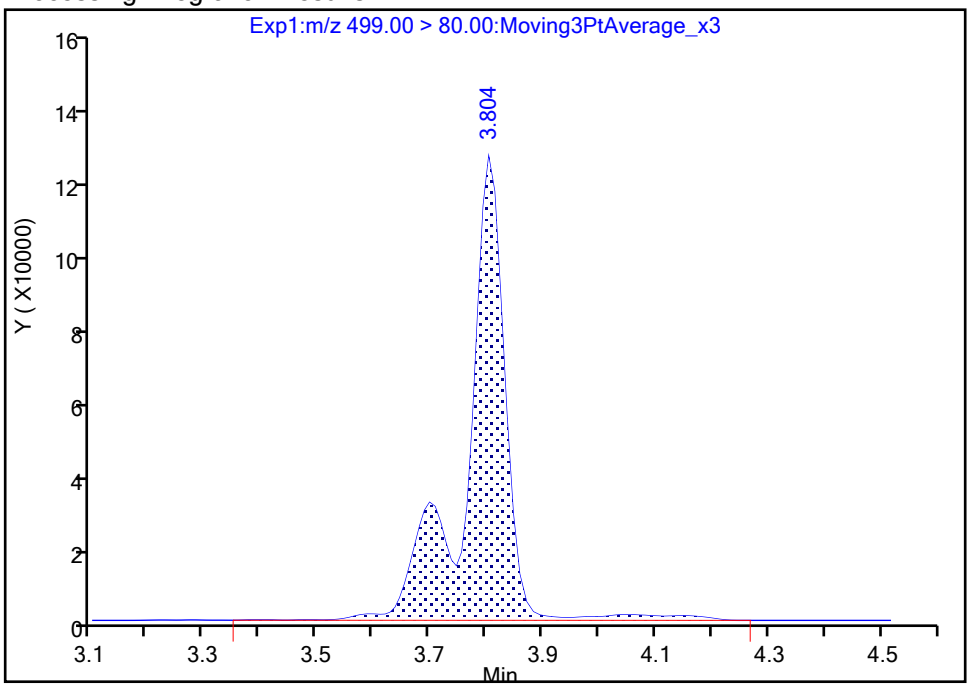
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Injection Date:	03-Mar-2021 21:19:05	Instrument ID:	LC812		
Lims ID:	480-181441-A-8-B MS				
Client ID:	MW-2S-022321				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

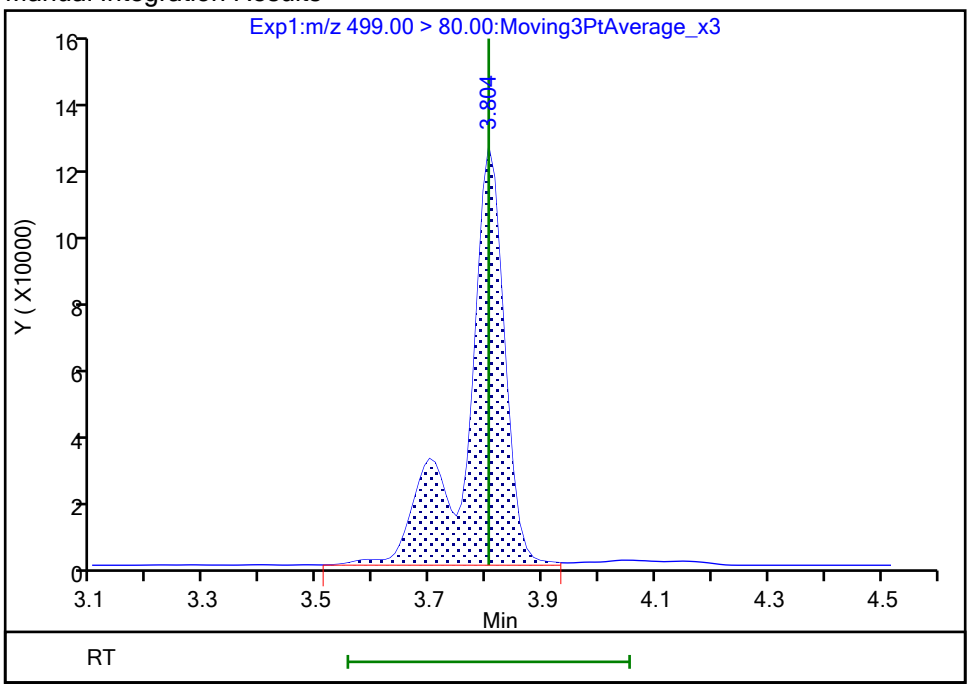
Processing Integration Results

RT: 3.80
Area: 588707
Amount: 0.964831
Amount Units: ng/ml



Manual Integration Results

RT: 3.80
Area: 570725
Amount: 0.935360
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:29:09

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

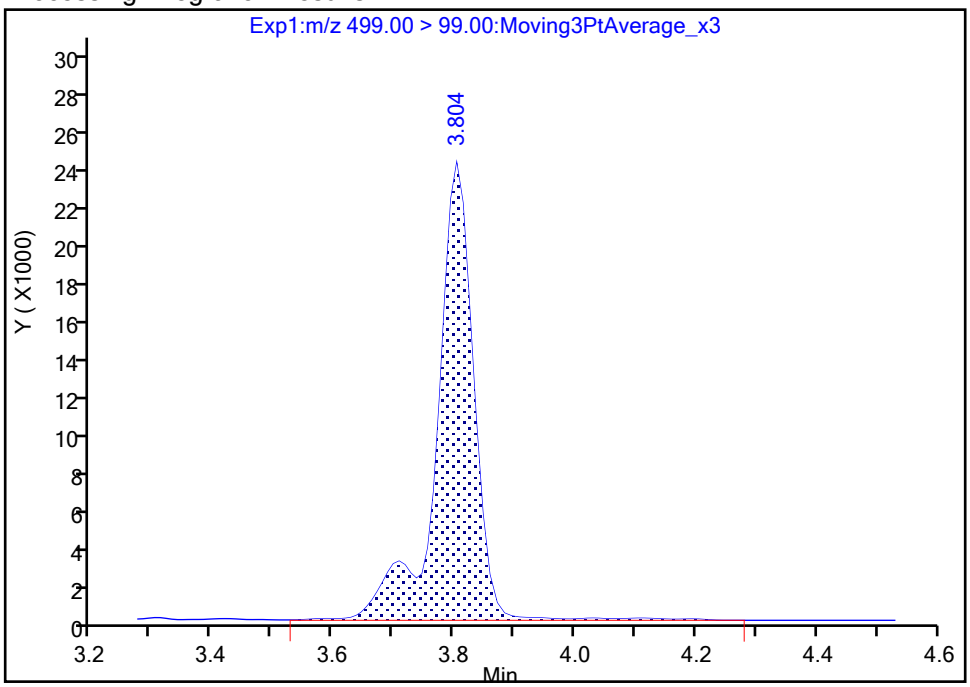
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B18.d				
Injection Date:	03-Mar-2021 21:19:05	Instrument ID:	LC812		
Lims ID:	480-181441-A-8-B MS				
Client ID:	MW-2S-022321				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

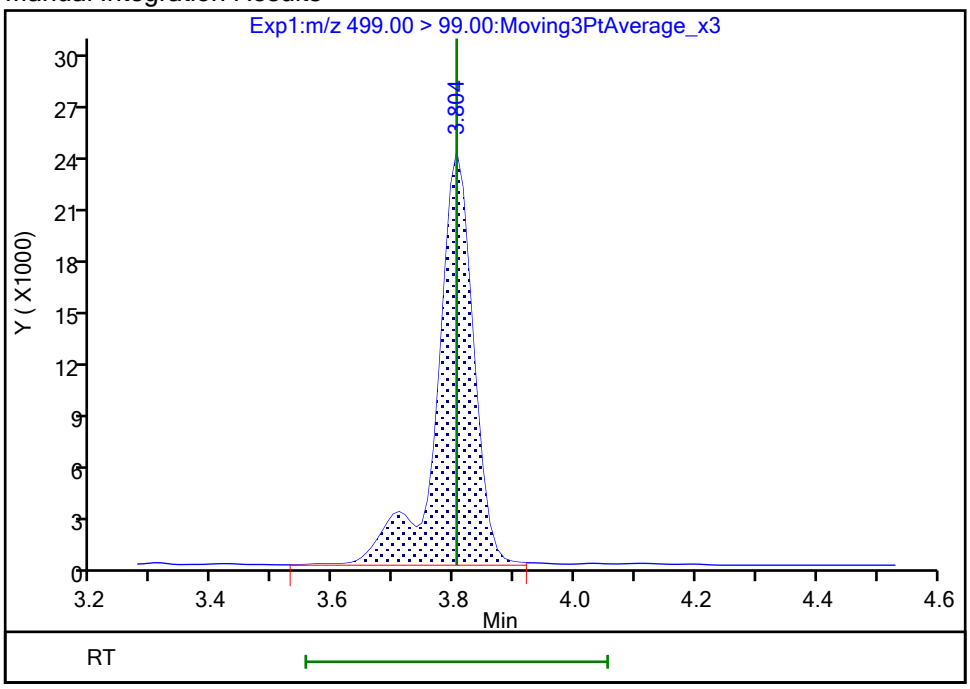
Processing Integration Results

RT: 3.80
Area: 104109
Amount: 0.964831
Amount Units: ng/ml



Manual Integration Results

RT: 3.80
Area: 102607
Amount: 0.935360
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:29:14

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

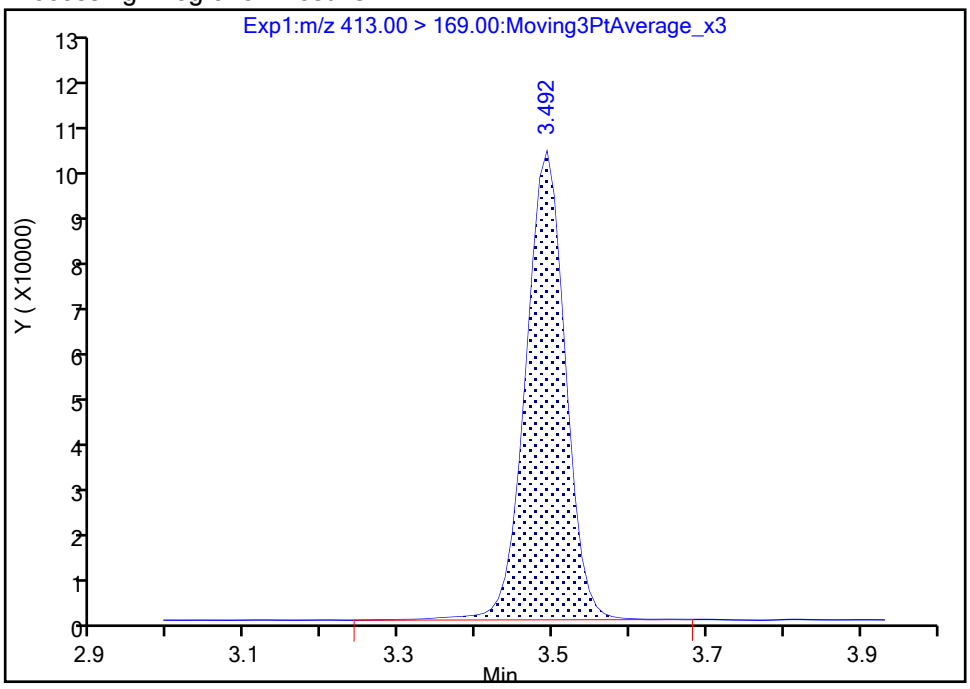
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B18.d				
Injection Date:	03-Mar-2021 21:19:05	Instrument ID:	LC812		
Lims ID:	480-181441-A-8-B MS				
Client ID:	MW-2S-022321				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

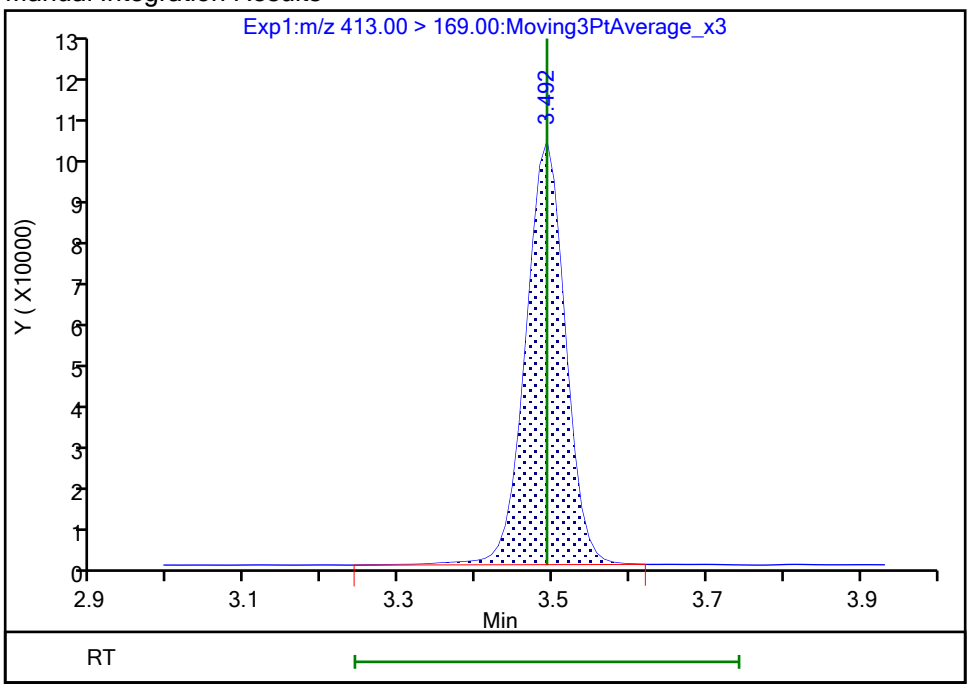
Processing Integration Results

RT: 3.49
Area: 371850
Amount: 1.033910
Amount Units: ng/ml



Manual Integration Results

RT: 3.49
Area: 371330
Amount: 1.033910
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:29:01

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Client Sample ID: MW-2S-022321 MSD Lab Sample ID: 480-181441-8 MSD

Matrix: Water Lab File ID: PA210303B19.d

Analysis Method: 537 (modified) Date Collected: 02/23/2021 15:20

Extraction Method: 3535 Date Extracted: 03/03/2021 08:24

Sample wt/vol: 297(mL) Date Analyzed: 03/03/2021 21:27

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 164492 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
39108-34-4	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	28.0		1.7	0.56
27619-97-2	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	28.1		4.2	0.61
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	33.5		4.2	0.78
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	37.7		4.2	0.66
375-73-5	Perfluorobutanesulfonic acid (PFBS)	31.1		1.7	0.53
375-22-4	Perfluorobutanoic acid (PFBA)	35.3		4.2	0.95
335-77-3	Perfluorodecanesulfonic acid (PFDS)	32.3		1.7	0.40
335-76-2	Perfluorodecanoic acid (PFDA)	33.5		1.7	0.39
307-55-1	Perfluorododecanoic acid (PFDoA)	33.3		1.7	0.39
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	33.8		1.7	0.33
375-85-9	Perfluoroheptanoic acid (PFHpA)	33.5		1.7	0.39
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	29.5		1.7	0.56
307-24-4	Perfluorohexanoic acid (PFHxA)	34.2		1.7	0.70
375-95-1	Perfluorononanoic acid (PFNA)	35.6		1.7	0.49
754-91-6	Perfluorooctanesulfonamide (PFOSA)	34.4		1.7	0.48
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	31.3		1.7	0.73
335-67-1	Perfluorooctanoic acid (PFOA)	36.3		1.7	0.82
2706-90-3	Perfluoropentanoic acid (PFPeA)	34.6		1.7	0.91
376-06-7	Perfluorotetradecanoic acid (PFTeA)	39.8		1.7	0.50
72629-94-8	Perfluorotridecanoic acid (PFTriA)	33.2		1.7	0.36
2058-94-8	Perfluoroundecanoic acid (PFUnA)	38.5		1.7	0.61

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Client Sample ID: MW-2S-022321 MSD Lab Sample ID: 480-181441-8 MSD

Matrix: Water Lab File ID: PA210303B19.d

Analysis Method: 537 (modified) Date Collected: 02/23/2021 15:20

Extraction Method: 3535 Date Extracted: 03/03/2021 08:24

Sample wt/vol: 297(mL) Date Analyzed: 03/03/2021 21:27

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 164492 Units: ng/L

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00996	13C2 PFDA	96		50-150
STL00998	13C2 PFDoA	85		50-150
STL00993	13C2 PFHxA	112		50-150
STL02116	13C2 PFTeDA	81		50-150
STL00997	13C2 PFUnA	88		50-150
STL02337	13C3 PFBS	103		50-150
STL00992	13C4 PFBA	95		25-150
STL01892	13C4 PFHpA	113		50-150
STL00990	13C4 PFOA	106		50-150
STL00991	13C4 PFOS	108		50-150
STL00995	13C5 PFNA	100		50-150
STL01893	13C5 PFPeA	107		25-150
STL01056	13C8 FOSA	98		25-150
STL00994	18O2 PFHxS	111		50-150
STL02118	d3-NMeFOSAA	88		50-150
STL02117	d5-NEtFOSAA	94		50-150
STL02279	M2-6:2 FTS	108		25-150
STL02280	M2-8:2 FTS	104		25-150

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B19.d
Lims ID: 480-181441-A-8-C MSD
Client ID: MW-2S-022321
Sample Type: MSD
Inject. Date: 03-Mar-2021 21:27:22 ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: 480-181441-A-8-C MSD
Misc. Info.: 200-0045034-019 Plate: 1 Rack: 2
Operator ID: lc812tech Instrument ID: LC812

Method: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 04-Mar-2021 11:31:15 Calib Date: 22-Dec-2020 13:29:37
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20201222-44184.b\PA201222ICAL013.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1647

First Level Reviewer: khanphomeea Date: 04-Mar-2021 10:32:02
Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.071	2.091	-0.020	0.593	1208184	1.19		95.4	8789	
2 Perfluorobutanoic acid										
212.90 > 169.00	2.080	2.091	-0.011	1.004	1016319	1.05		105	182	
D 3 13C5 PFPeA										
267.90 > 223.00	2.398	2.413	-0.015	0.687	981443	1.34		107	2579	
4 Perfluoropentanoic acid										
262.90 > 219.00	2.398	2.413	-0.015	1.000	894408	1.03		103	32.3	
D 47 13C3 PFBS										M
301.90 > 80.00	2.411	2.439	-0.028	0.690	1156266	1.20		103	105484	M
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.424	2.439	-0.015	1.005	1038387	0.9228	Target=2.21	104	298	
298.90 > 99.00	2.424	2.439	-0.015	1.005	470548		2.21(1.11-3.32)		206	
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.720	2.734	-0.014	0.779	101974	1.27		109	36.4	M
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.720	2.734	-0.014	1.000	149538	0.9336		100.0	1916	
D 7 13C2 PFHxA										
315.00 > 270.00	2.756	2.770	-0.014	0.789	1071044	1.40		112	3205	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.756	2.770	-0.014	1.000	951088	1.02	Target=12.83	102	131	M
313.00 > 119.00	2.756	2.770	-0.014	1.000	78663		12.09(6.42-19.25)		135	M
70 Perfluoropentanesulfonic acid										
349.00 > 80.00	2.768	2.783	-0.015	0.887	957292	0.9192	Target=3.35	98.0	515	
349.00 > 99.00	2.768	2.783	-0.015	0.887	281920		3.40(1.67-5.02)		267	
D 64 13C3 HFPO-DA										
332.10 > 287.00	2.866	2.880	-0.014	0.821	104108	0.7702		61.6	941	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
67 Perfluoro(2-propoxypropanoic) ac										M
329.10 > 285.00	2.866	2.880	-0.014	1.000	160911	1.39		139	34.3	M
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.122	3.132	-0.010	1.000	819844	0.8766	Target=4.15	96.3	543	M
399.00 > 99.00	3.122	3.132	-0.010	1.000	197807		4.14(2.08-6.23)		217	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.122	3.132	-0.010	0.894	938401	1.31		111	3734	
D 9 13C4 PFHpA										
367.00 > 322.00	3.132	3.143	-0.011	0.897	1035524	1.41		113	3891	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.132	3.143	-0.011	1.000	899337	0.99	Target=3.66	99.4	179	
363.00 > 169.00	3.132	3.143	-0.011	1.000	260451		3.45(1.83-5.49)		604	
77 DONA										M
377.00 > 251.00	3.165	3.175	-0.010	0.832	1758493	0.9897	Target=2.43	105	2297	M
377.00 > 85.00	3.165	3.175	-0.010	0.832	695661		2.53(1.22-3.65)		716	
16 Perfluoroheptanesulfonic acid										
449.00 > 80.00	3.474	3.483	-0.009	0.913	719703	1.00	Target=5.95	106	1024	
449.00 > 99.00	3.474	3.483	-0.009	0.913	119274		6.03(2.98-8.93)		500	
D 12 M2-6:2 FTS										
429.00 > 81.00	3.474	3.483	-0.009	0.995	114605	1.28		108	228	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.483	3.483	0.0	1.003	89674	0.8353		88.1	700	
D 14 13C4 PFOA										
417.00 > 372.00	3.492	3.492	0.0	1.000	985912	1.32		106	3343	
* 62 13C2 PFOA										
415.00 > 370.00	3.492	3.492	0.0		942952	1.25			3079	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.492	3.492	0.0	1.000	922866	1.08	Target=2.58	108	232	
413.00 > 169.00	3.492	3.492	0.0	1.000	372318		2.48(1.29-3.87)		966	M
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.804	3.804	0.0	1.000	567484	0.9299	Target=5.65	100	221	M
499.00 > 99.00	3.804	3.804	0.0	1.000	96170		5.90(2.82-8.47)		307	M
D 18 13C4 PFOS										
503.00 > 80.00	3.804	3.804	0.0	1.089	634068	1.29		108	1251	
D 19 13C5 PFNA										
468.00 > 423.00	3.825	3.825	0.0	1.095	825485	1.25		100	2558	
20 Perfluorononanoic acid										
463.00 > 419.00	3.825	3.825	0.0	1.000	771893	1.06	Target=7.44	106	184	
463.00 > 169.00	3.825	3.825	0.0	1.000	116569		6.62(3.72-11.16)		1909	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.964	3.964	0.0	1.042	537092	0.7888		84.6	2961	
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.093	4.093	0.0	1.076	423891	0.9310	Target=2.54	97.0	1805	
549.00 > 99.00	4.093	4.093	0.0	1.076	145392		2.92(1.27-3.81)		515	
D 23 13C2 PFDA										
515.00 > 470.00	4.115	4.126	-0.011	1.178	756178	1.20		96.1	6498	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										
513.00 > 469.00	4.126	4.126	0.0	1.003	621160	1.00	Target=9.29	99.6	539	
513.00 > 169.00	4.115	4.126	-0.011	1.000	78607		7.90(4.64-13.93)		639	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.126	4.137	-0.011	1.182	115381	1.25		104	486	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.126	4.137	-0.011	1.000	54580	0.8329		86.9	509	
D 21 13C8 FOSA										
506.00 > 78.00	4.215	4.225	-0.010	1.207	1137132	1.23		98.3	3066	
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.215	4.225	-0.010	1.000	930068	1.02		102	2066	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.257	4.268	-0.011	1.219	50043	1.10		87.7	163	
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.268	4.268	0.0	1.003	39695	1.12		112	260	
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.358	4.358	0.0	1.146	348160	0.9592	Target=2.80	99.5	1886	
599.00 > 99.00	4.358	4.358	0.0	1.146	126844		2.74(1.40-4.19)		668	
D 30 13C2 PFUnA										
565.00 > 520.00	4.380	4.391	-0.011	1.254	571660	1.11		88.4	1916	
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.380	4.391	-0.011	1.000	533070	1.14	Target=8.12	114	438	
563.00 > 169.00	4.380	4.391	-0.011	1.000	64593		8.25(4.06-12.18)		753	
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.391	4.402	-0.011	1.257	51992	1.18		94.2	556	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.402	4.402	0.0	1.003	38354	1.00		99.6	346	M
66 11-Chloroeicosafluoro-3-oxaundec										
631.00 > 451.00	4.480	4.480	0.0	1.178	496344	0.7026		74.6	2555	
D 36 13C2 PFDoA										
615.00 > 570.00	4.611	4.612	-0.001	1.320	577791	1.06		84.7	3276	
37 Perfluorododecanoic acid										
613.00 > 569.00	4.611	4.612	-0.001	1.000	502340	0.9881	Target=6.91	98.8	189	
613.00 > 169.00	4.611	4.612	-0.001	1.000	82926		6.06(3.45-10.36)		1294	
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.632	4.633	-0.001	1.123	26883	0.7969		82.7	672	
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.783	4.784	-0.001	1.257	119070	0.8916	Target=0.51	92.1	1569	
699.00 > 99.00	4.783	4.784	-0.001	1.257	248956		0.48(0.26-0.77)		1315	
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.822	4.823	-0.001	1.046	407339	0.9873	Target=4.39	98.7	194	
663.00 > 169.00	4.822	4.823	-0.001	1.046	103134		3.95(2.20-6.59)		1100	
D 43 13C2 PFTeDA										
715.00 > 670.00	5.004	5.005	-0.001	1.433	409155	1.01		81.1	2791	
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.004	5.005	-0.001	1.000	71708	1.18	Target=1.06	118	1393	
713.00 > 219.00	5.004	5.005	-0.001	1.000	66710		1.07(0.53-1.59)		994	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 44 13C2 PFHxDA										
815.00 > 770.00	5.350	5.349	0.001	1.532	389165	0.9022		72.2	2339	
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.350	5.349	0.001	1.000	320380	1.09	Target=3.84	109	174	
813.00 > 169.00	5.350	5.349	0.001	1.000	84683		3.78(1.92-5.76)		1573	
46 Perfluorooctadecanoic acid										
913.00 > 869.00	5.674	5.665	0.009	1.061	266337	0.9508	Target=3.92	95.1	330	
913.00 > 169.00	5.665	5.665	0.0	1.059	79687		3.34(1.96-5.88)		1244	

QC Flag Legend

Processing Flags

Review Flags

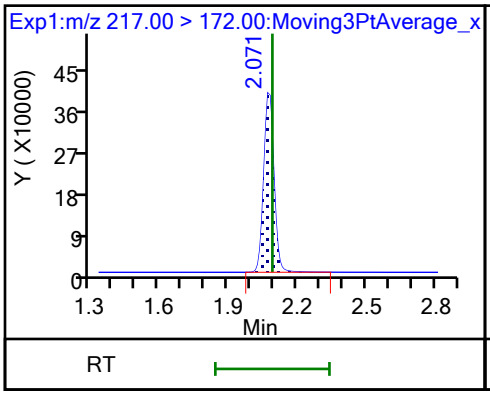
M - Manually Integrated

Report Date: 04-Mar-2021 11:31:26 Chrom Revision: 2.3 05-Feb-2021 00:13:28

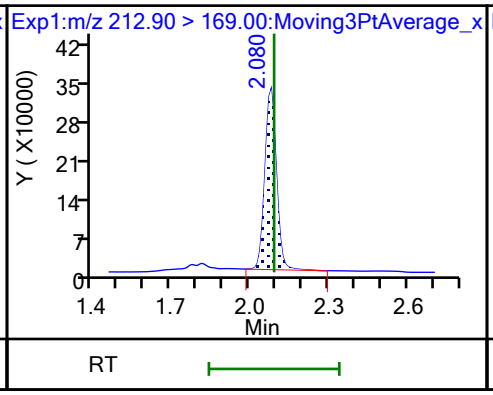
Eurofins TestAmerica, Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B19.d
Injection Date: 03-Mar-2021 21:27:22 Instrument ID: LC812
Lims ID: 480-181441-A-8-C MSD
Client ID: MW-2S-022321
Operator ID: lc812tech ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL

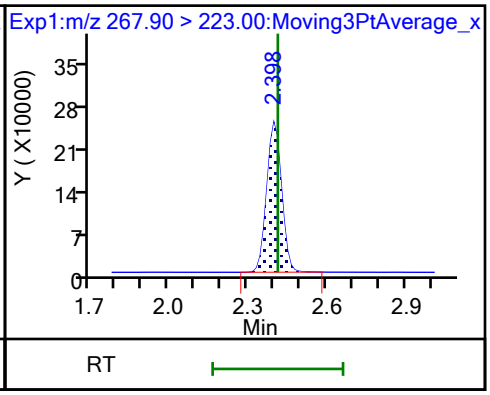
D 1 13C4 PFBA



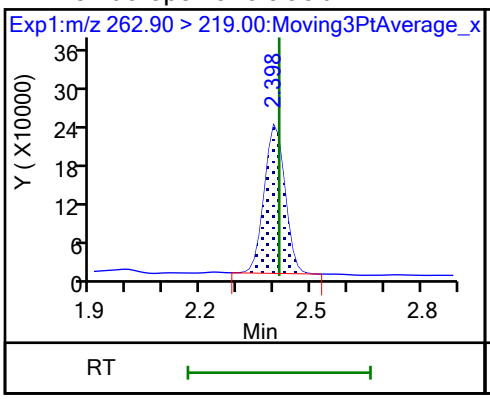
2 Perfluorobutanoic acid



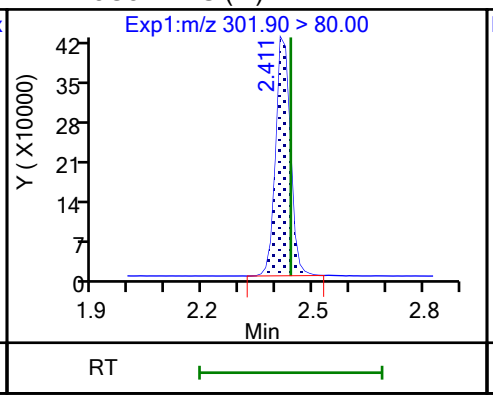
D 3 13C5 PFPeA



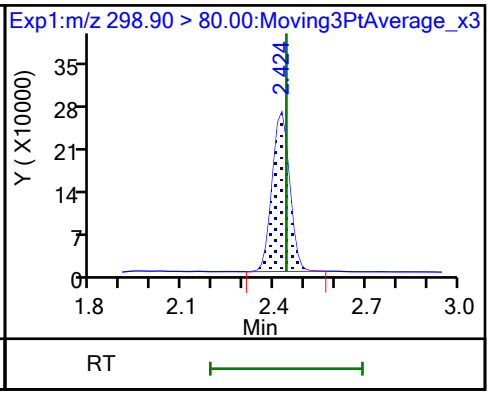
4 Perfluoropentanoic acid



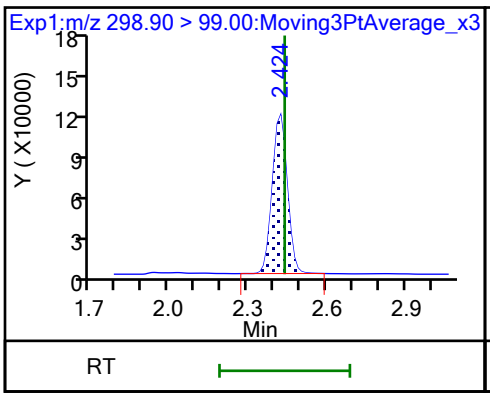
D 47 13C3 PFBS (M)



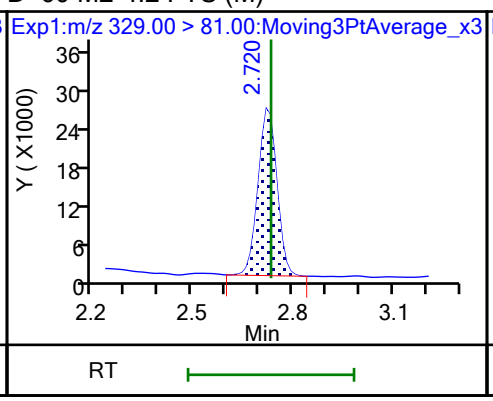
5 Perfluorobutanesulfonic acid



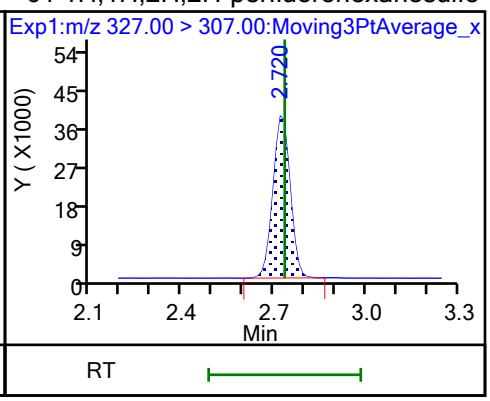
5 Perfluorobutanesulfonic acid



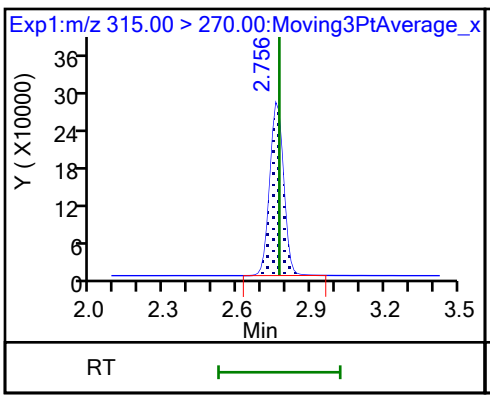
D 60 M2-4:2 FTS (M)



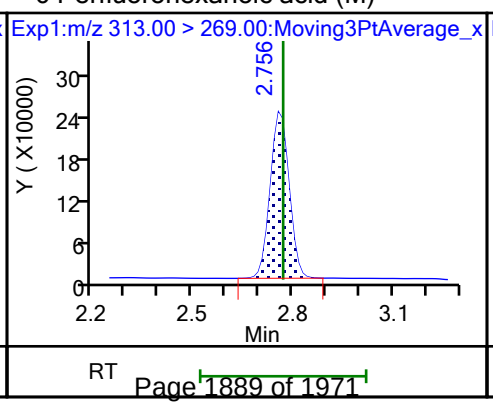
61 1H,1H,2H,2H-perfluorohexanesulfo



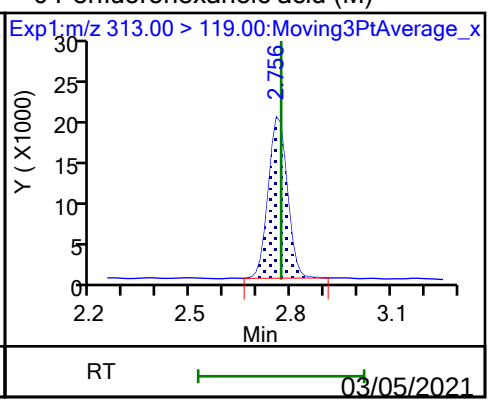
D 7 13C2 PFHxA



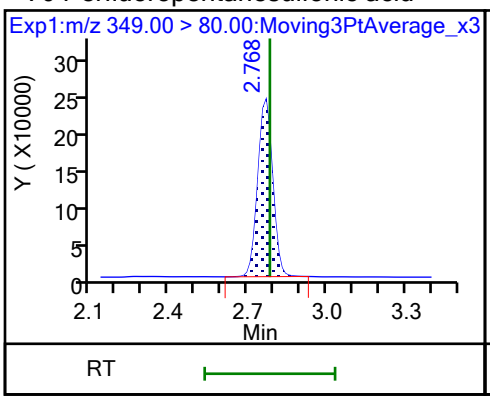
6 Perfluorohexanoic acid (M)



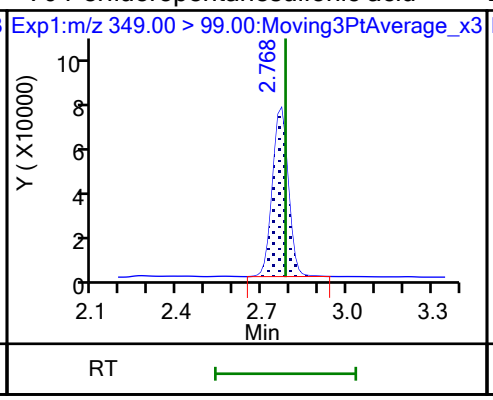
6 Perfluorohexanoic acid (M)



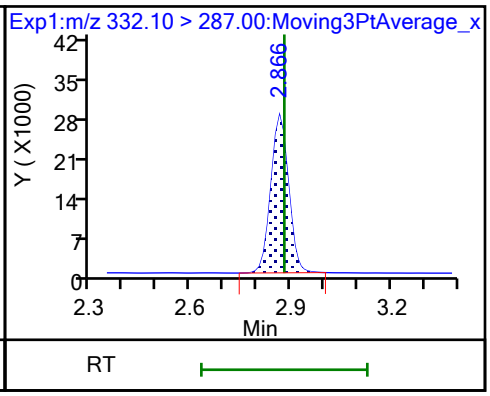
70 Perfluoropentanesulfonic acid



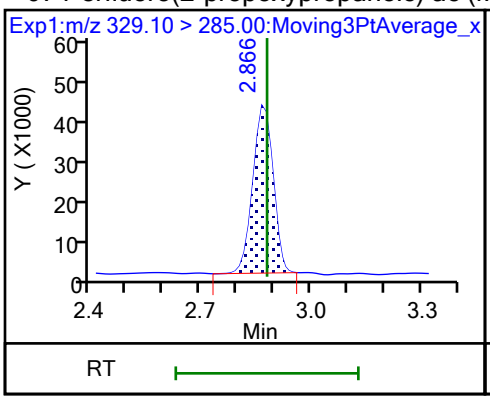
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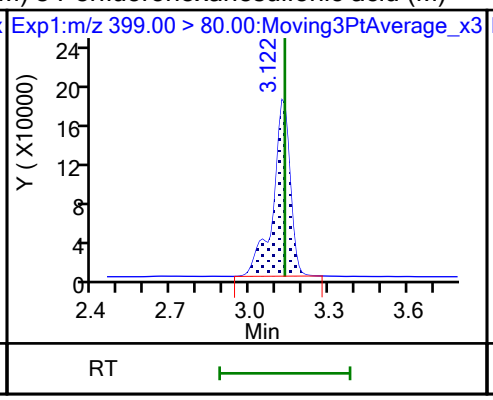
D 64 13C3 HFPO-DA



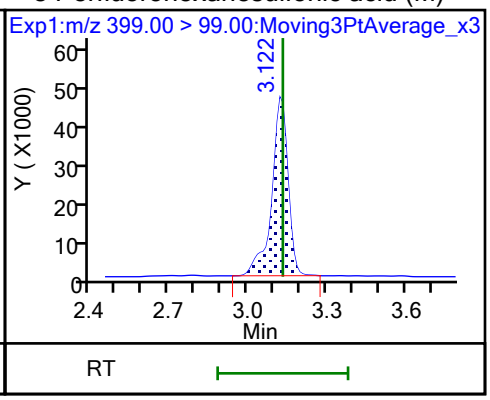
67 Perfluoro(2-propoxypropanoic) ac (M)



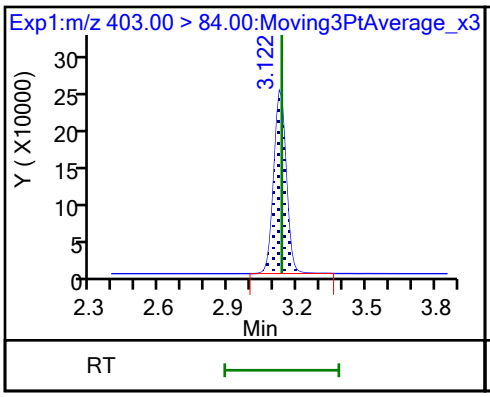
8 Perfluorohexanesulfonic acid (M)



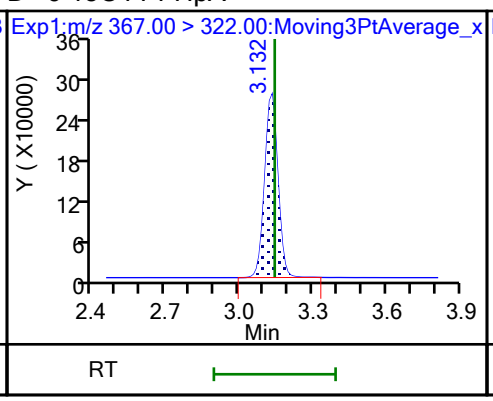
8 Perfluorohexanesulfonic acid (M)



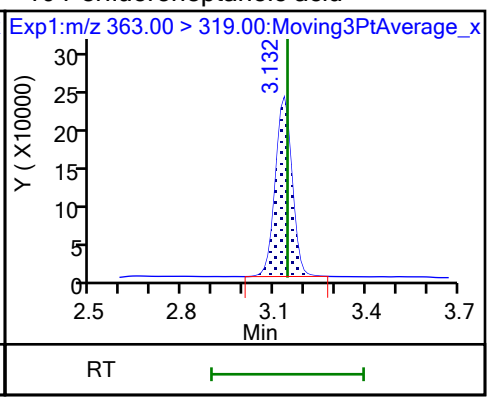
D 11 18O2 PFHxS



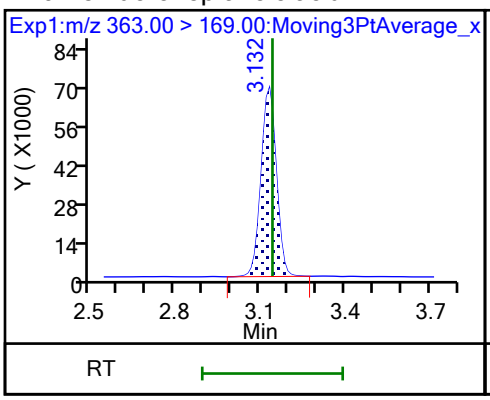
D 9 13C4 PFHpA



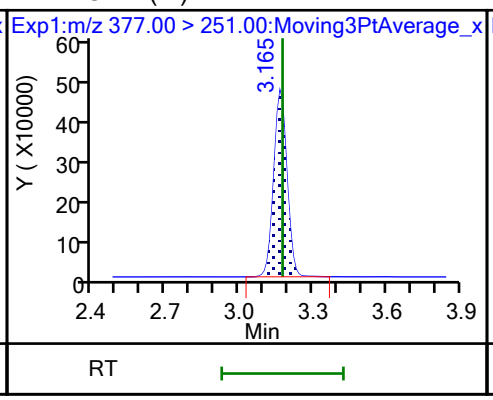
10 Perfluoroheptanoic acid



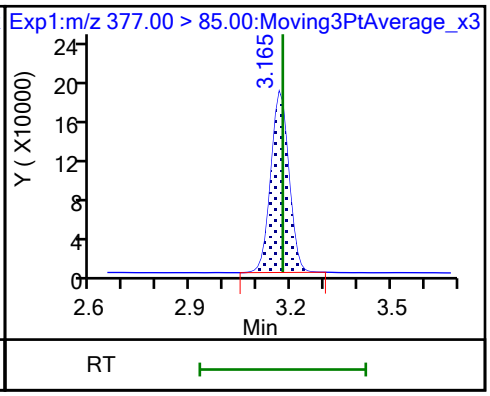
10 Perfluoroheptanoic acid



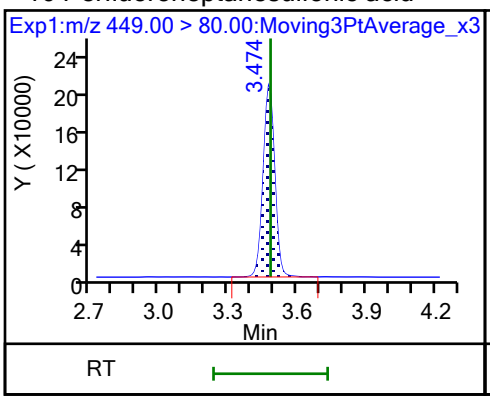
77 DONA (M)



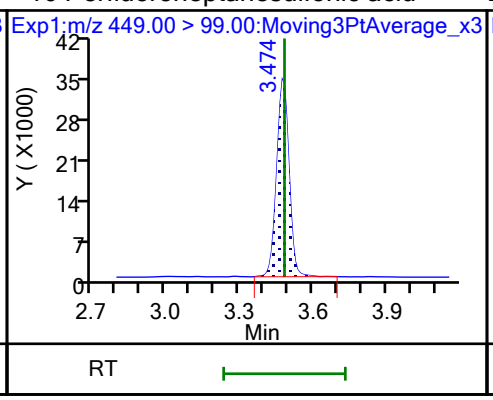
77 DONA



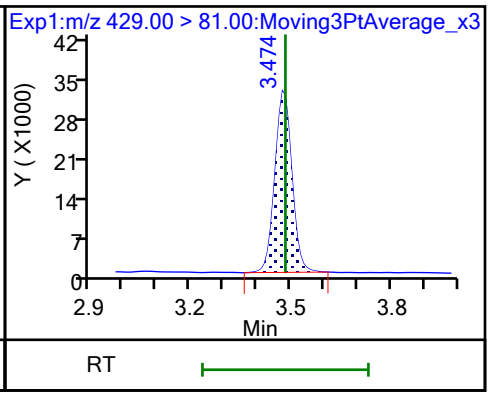
16 Perfluoroheptanesulfonic acid



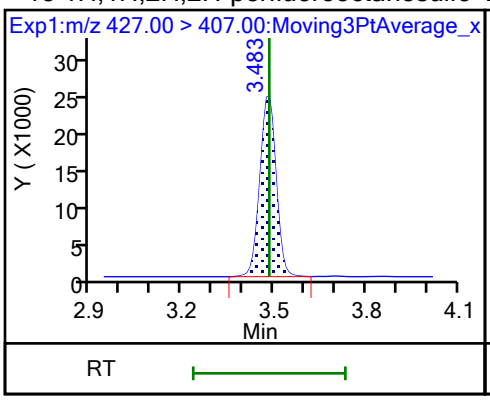
16 Perfluoroheptanesulfonic acid



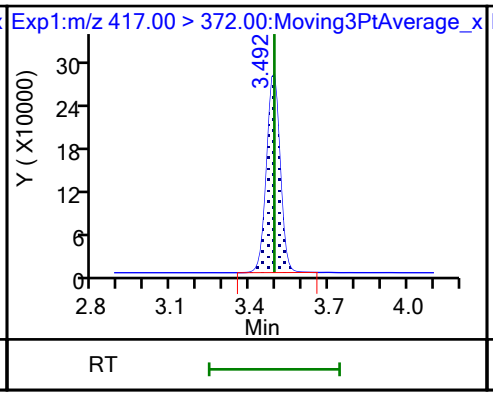
D 12 M2-6:2 FTS



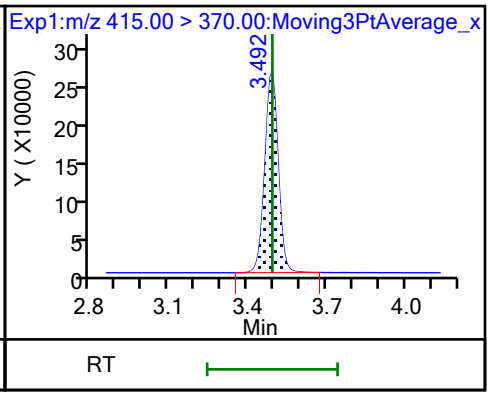
13 1H,1H,2H,2H-perfluorooctanesulfo



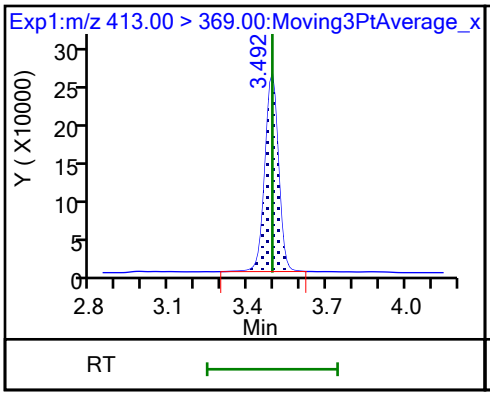
D 14 13C4 PFOA



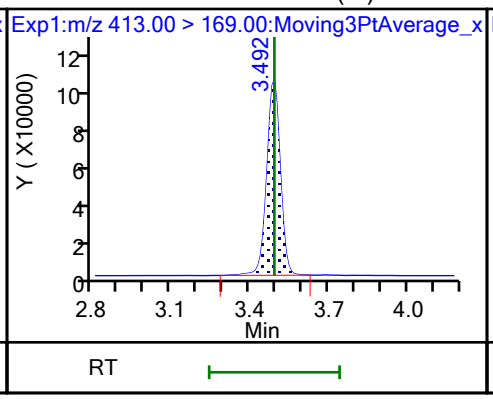
* 62 13C2 PFOA



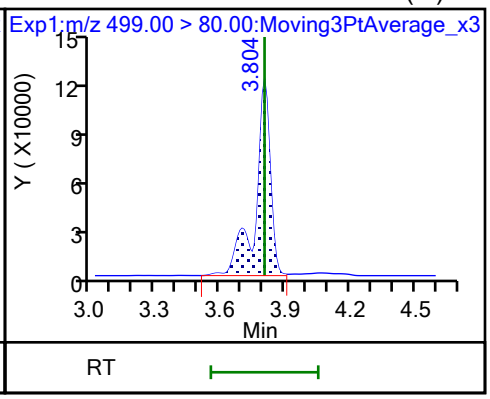
15 Perfluorooctanoic acid



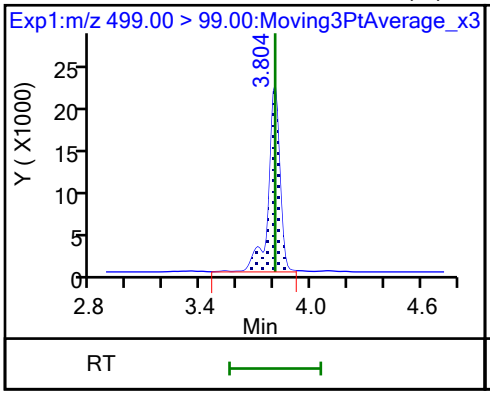
15 Perfluorooctanoic acid (M)



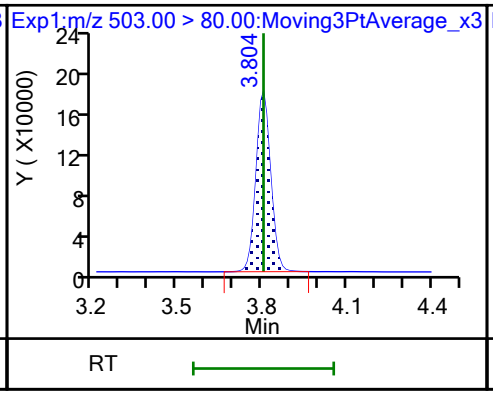
17 Perfluorooctanesulfonic acid (M)



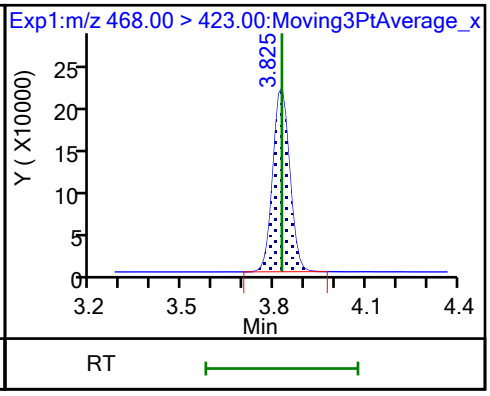
17 Perfluorooctanesulfonic acid (M)



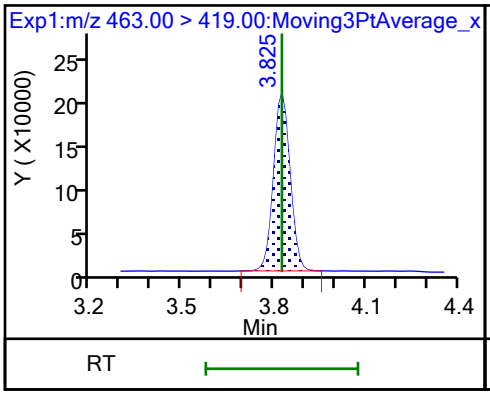
D 18 13C4 PFOS



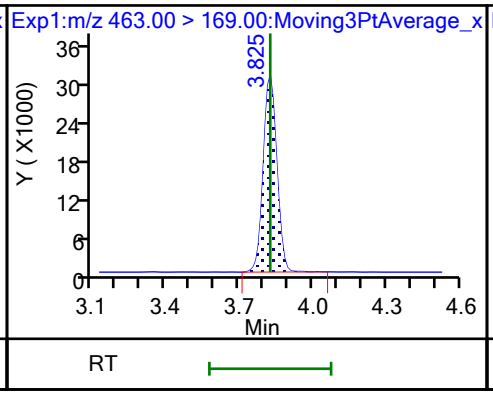
D 19 13C5 PFNA



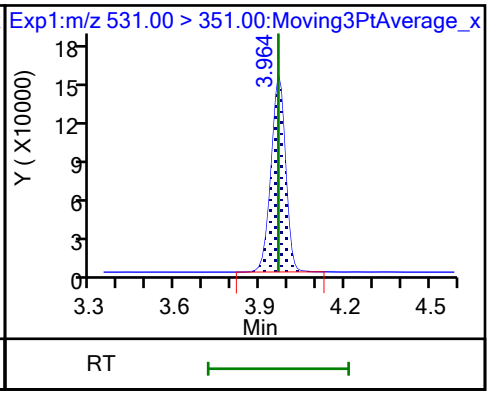
20 Perfluorononanoic acid



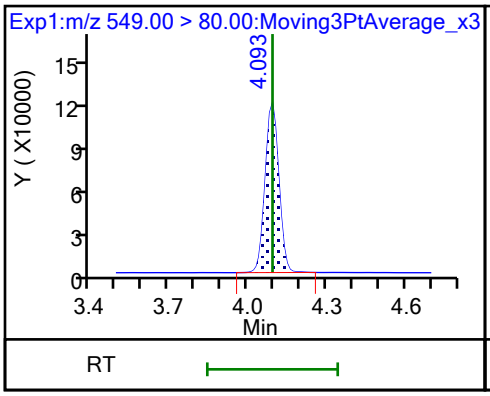
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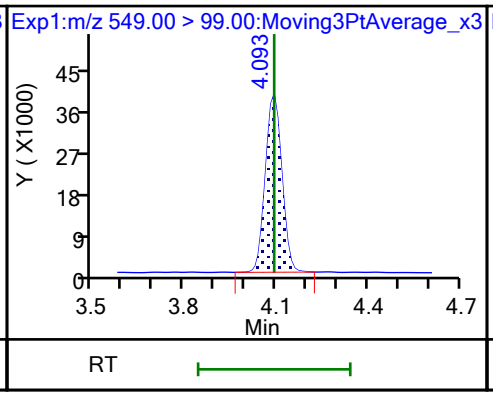
69 9-Chlorohexadecafluoro-3-oxanona



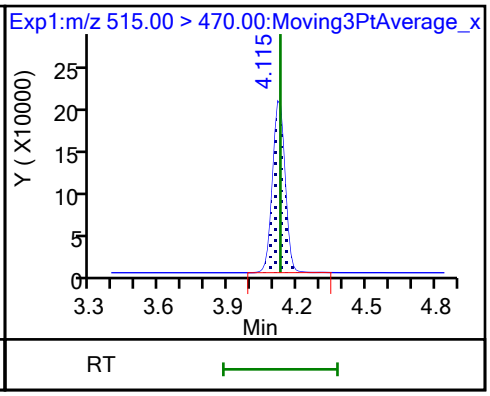
68 Perfluorononanesulfonic acid



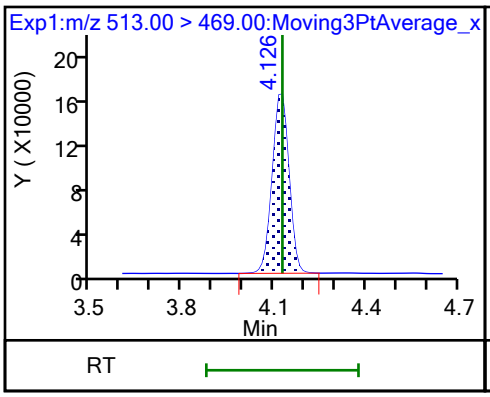
68 Perfluorononanesulfonic acid



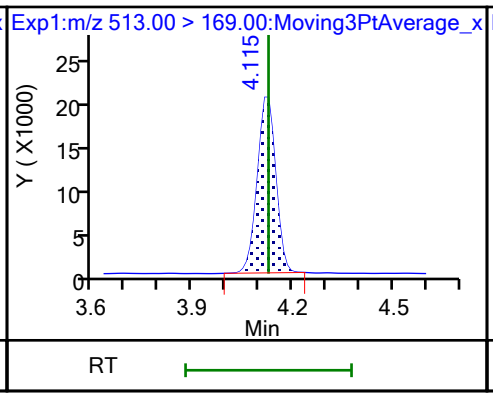
D 23 13C2 PFDA



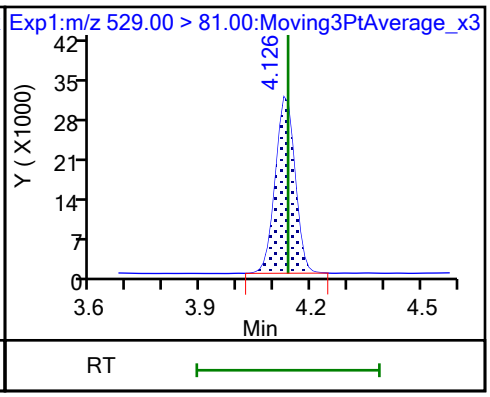
24 Perfluorodecanoic acid



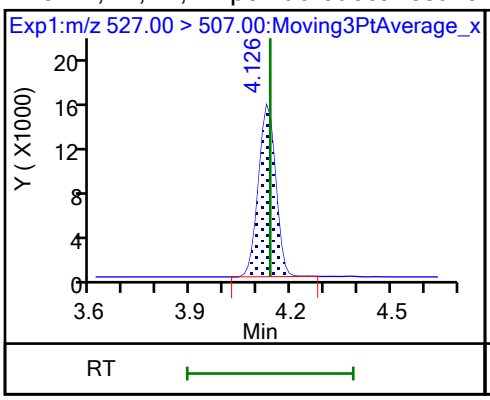
24 Perfluorodecanoic acid



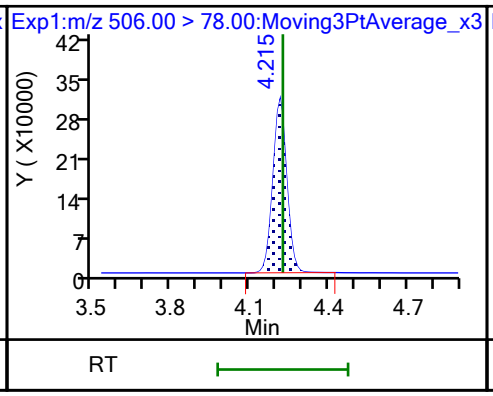
D 26 M2-8:2 FTS



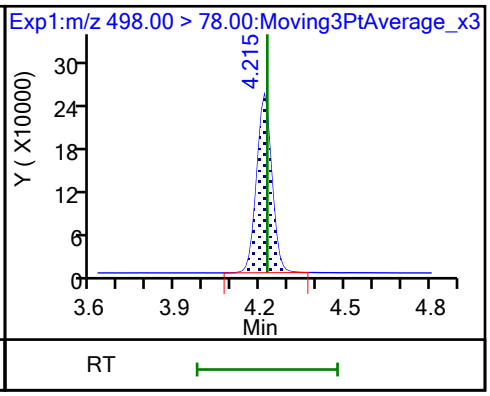
25 1H,1H,2H,2H-perfluorodecanesulfo



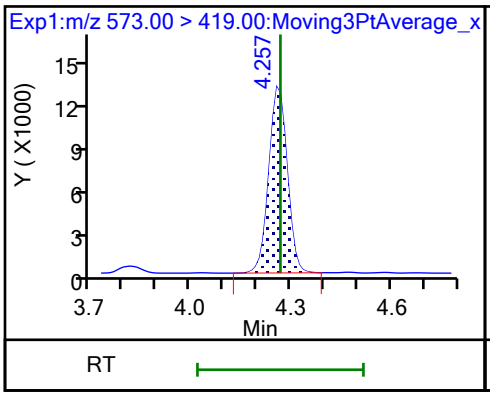
D 21 13C8 FOSA



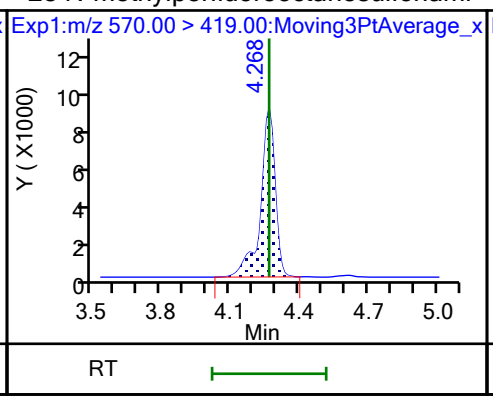
22 Perfluorooctanesulfonamide



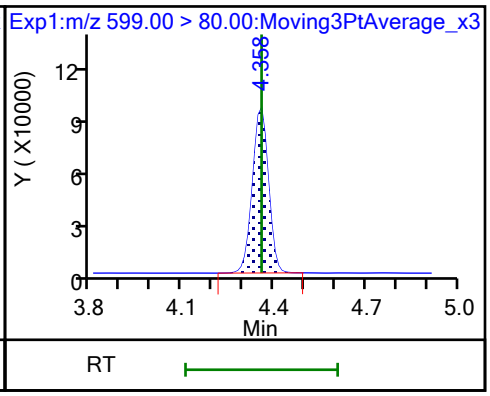
D 27 d3-NMeFOSAA



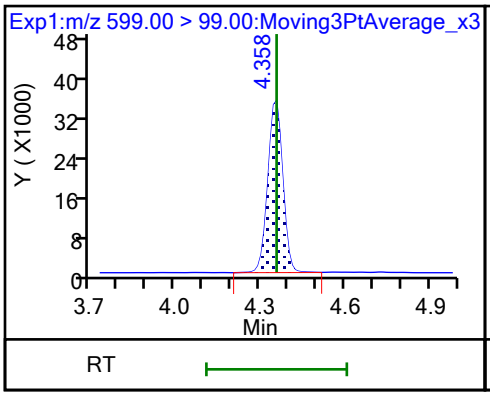
28 N-methylperfluorooctanesulfonami



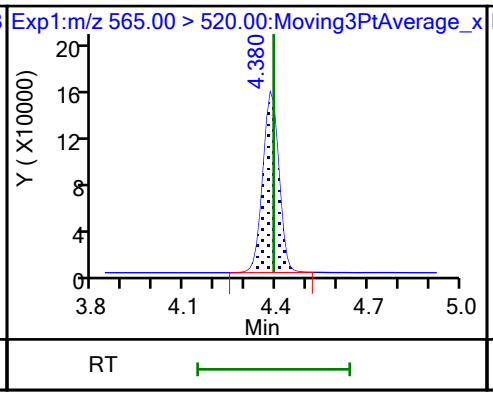
29 Perfluorodecanesulfonic acid



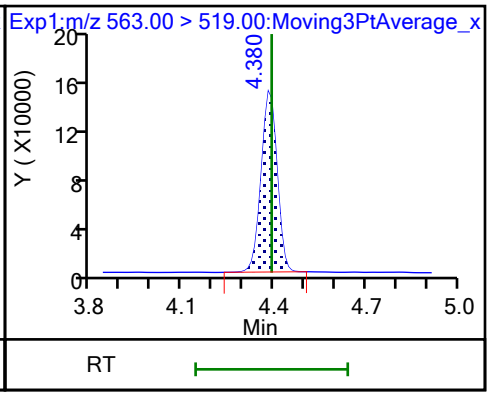
29 Perfluorodecanesulfonic acid



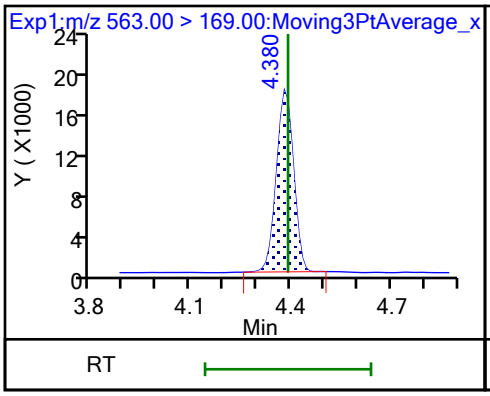
D 30 13C2 PFUnA



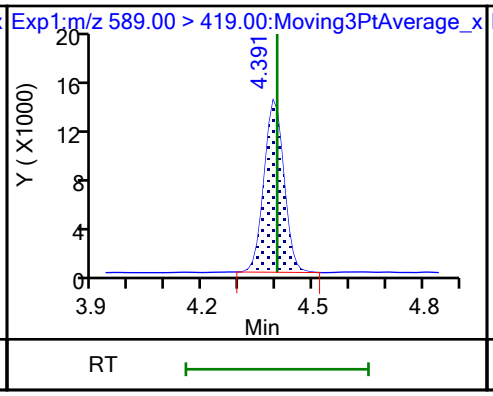
31 Perfluoroundecanoic acid



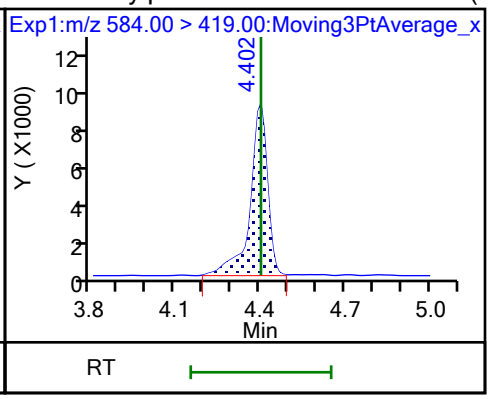
31 Perfluoroundecanoic acid



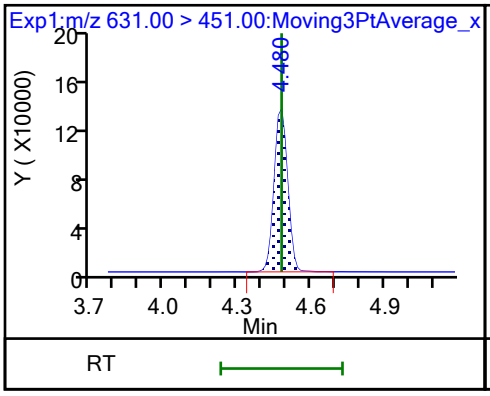
D 32 d5-NEtFOSAA



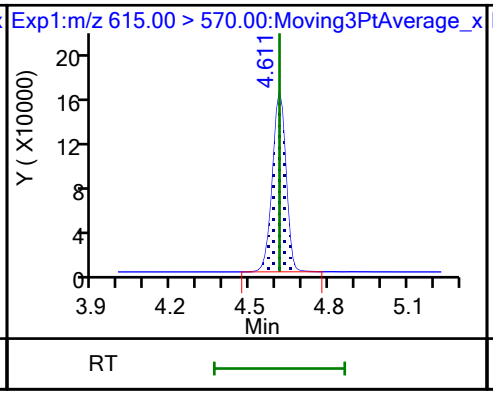
33 N-ethylperfluorooctanesulfonamid (M)



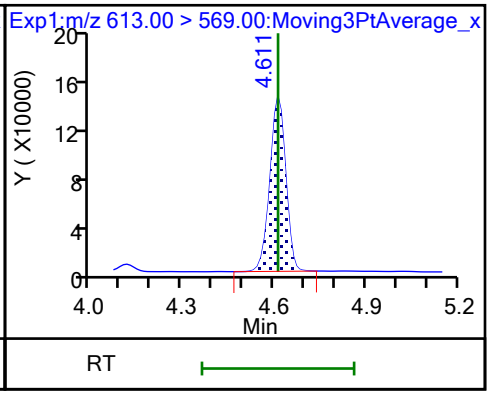
66 11-Chloroeicosafluoro-3-oxaundec



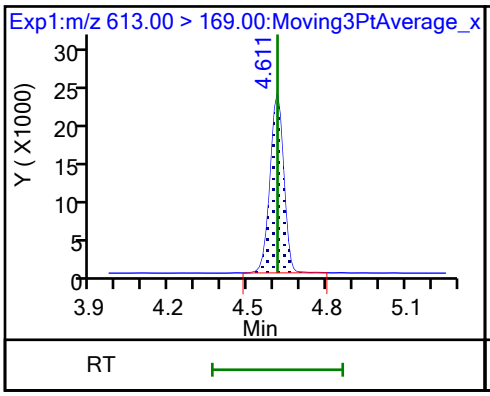
D 36 13C2 PFDoA



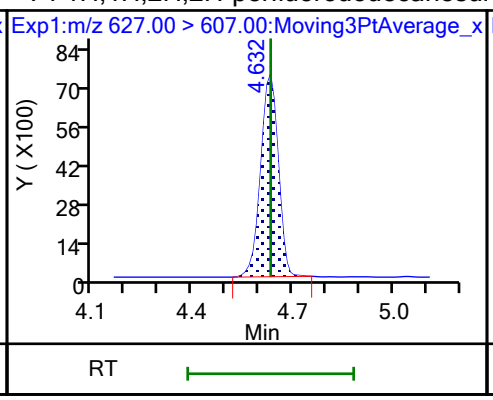
37 Perfluorododecanoic acid



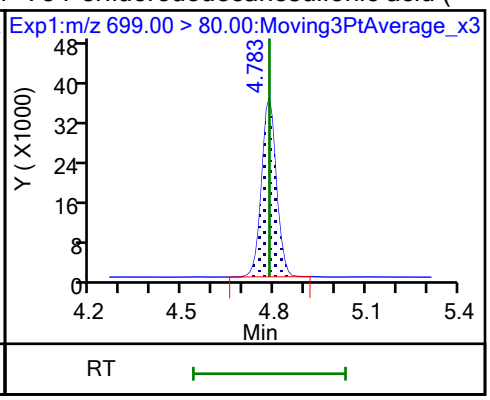
37 Perfluorododecanoic acid



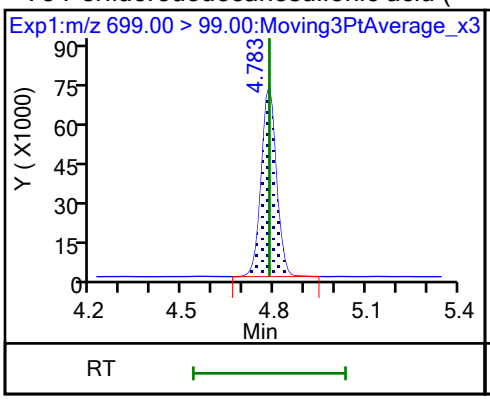
74 1H,1H,2H,2H-perfluorododecanesul



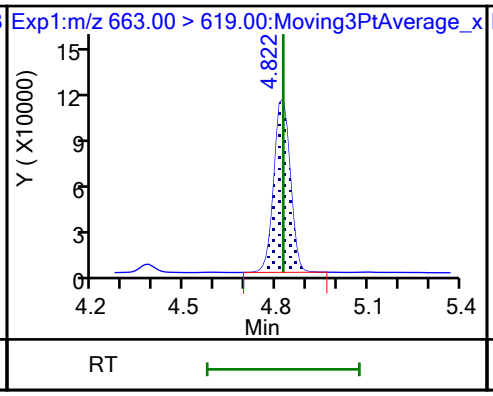
75 Perfluorododecanesulfonic acid (



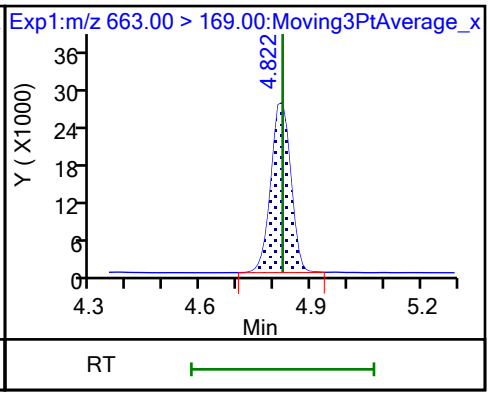
75 Perfluorododecanesulfonic acid (



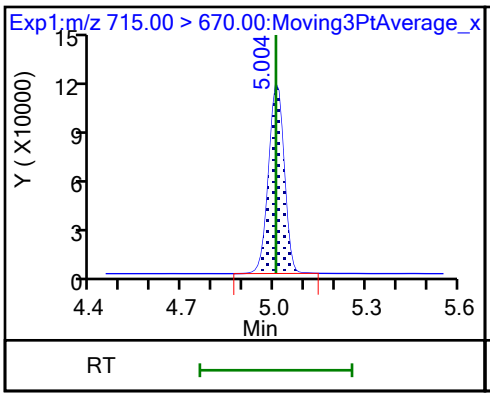
41 Perfluorotridecanoic acid



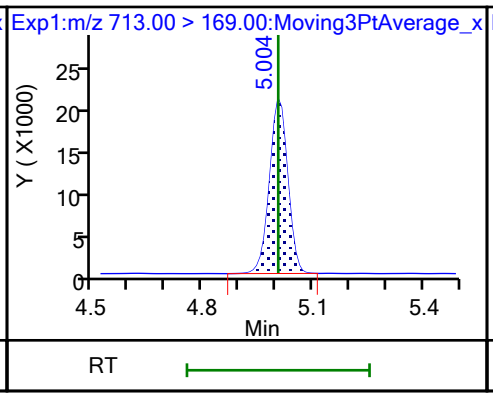
41 Perfluorotridecanoic acid



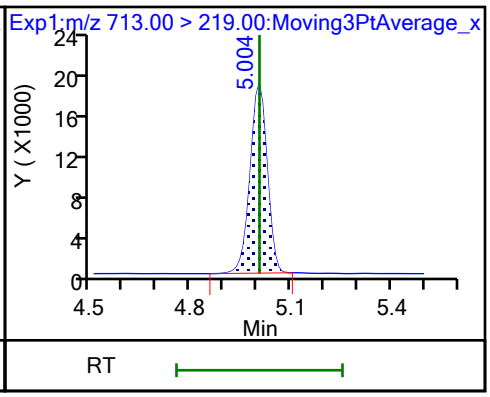
D 43 13C2 PFTeDA



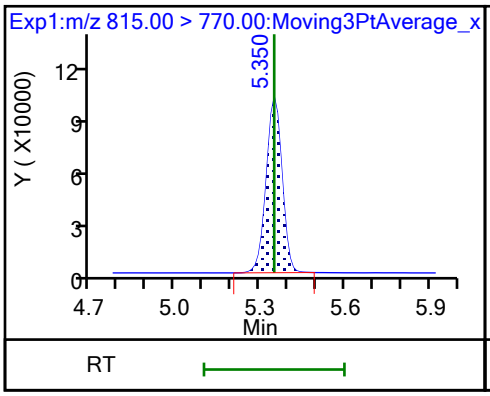
42 Perfluorotetradecanoic acid



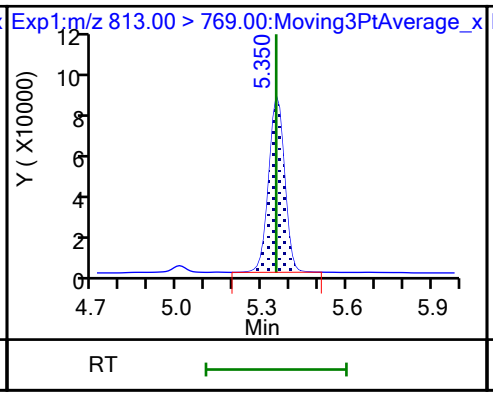
42 Perfluorotetradecanoic acid



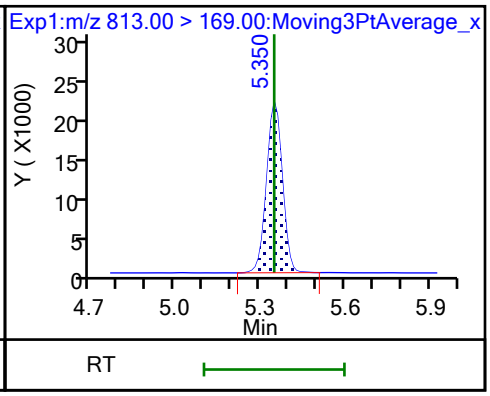
D 44 13C2 PFHxDA



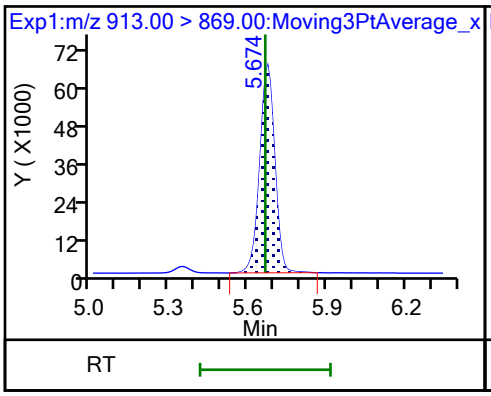
45 Perfluorohexadecanoic acid



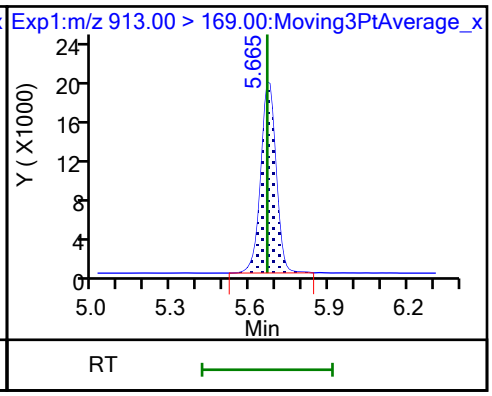
45 Perfluorohexadecanoic acid



46 Perfluorooctadecanoic acid



46 Perfluorooctadecanoic acid



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

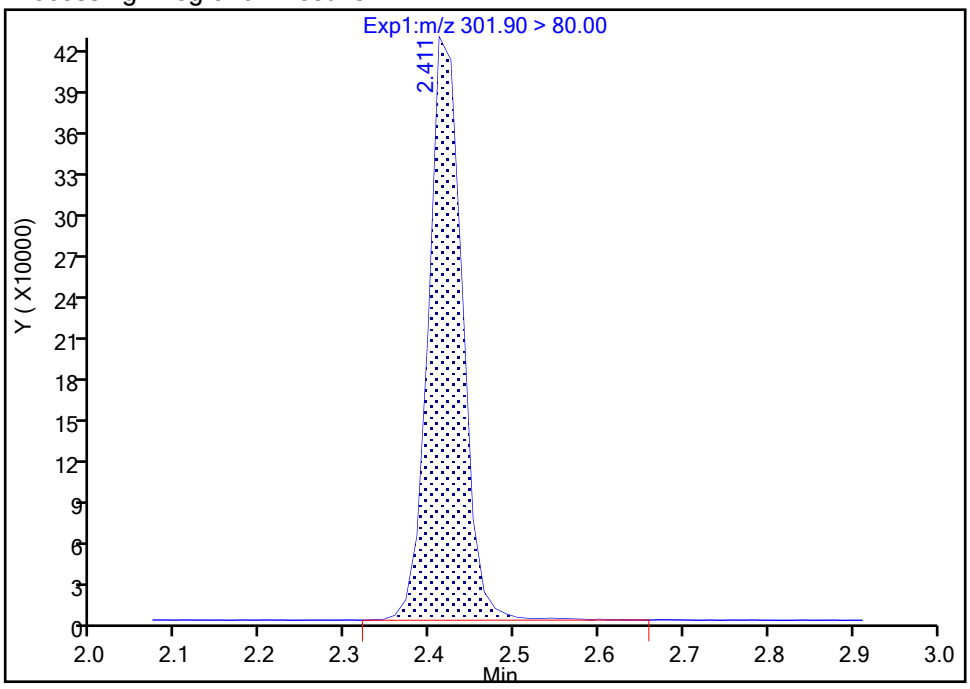
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Injection Date:	03-Mar-2021 21:27:22	Instrument ID:	LC812		
Lims ID:	480-181441-A-8-C MSD				
Client ID:	MW-2S-022321				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

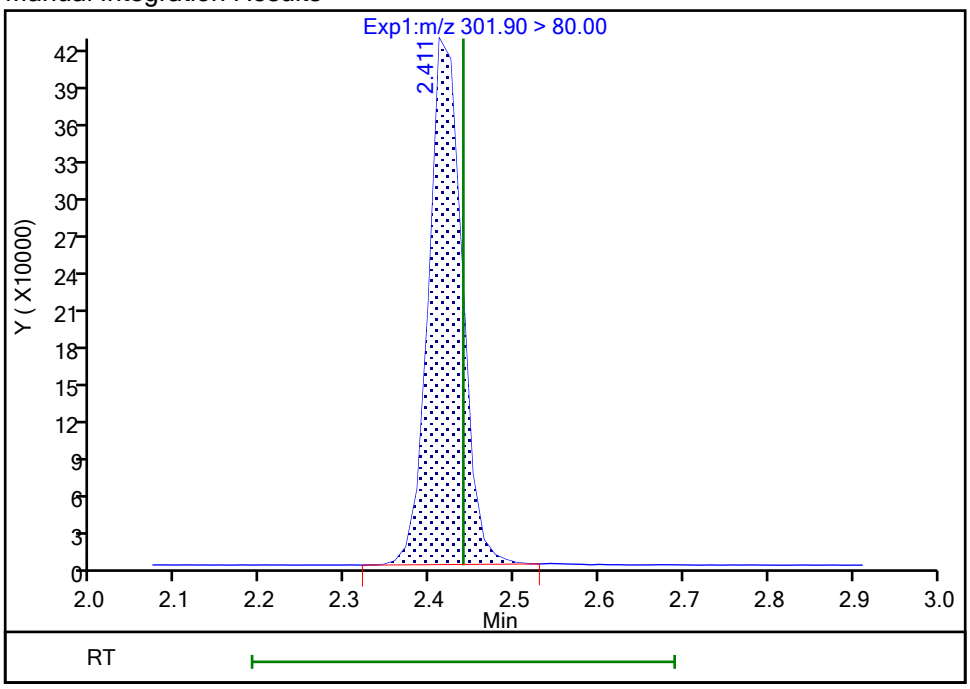
Processing Integration Results

RT: 2.41
Area: 1165415
Amount: 1.209054
Amount Units: ng/ml



Manual Integration Results

RT: 2.41
Area: 1156266
Amount: 1.199563
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:29:53

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

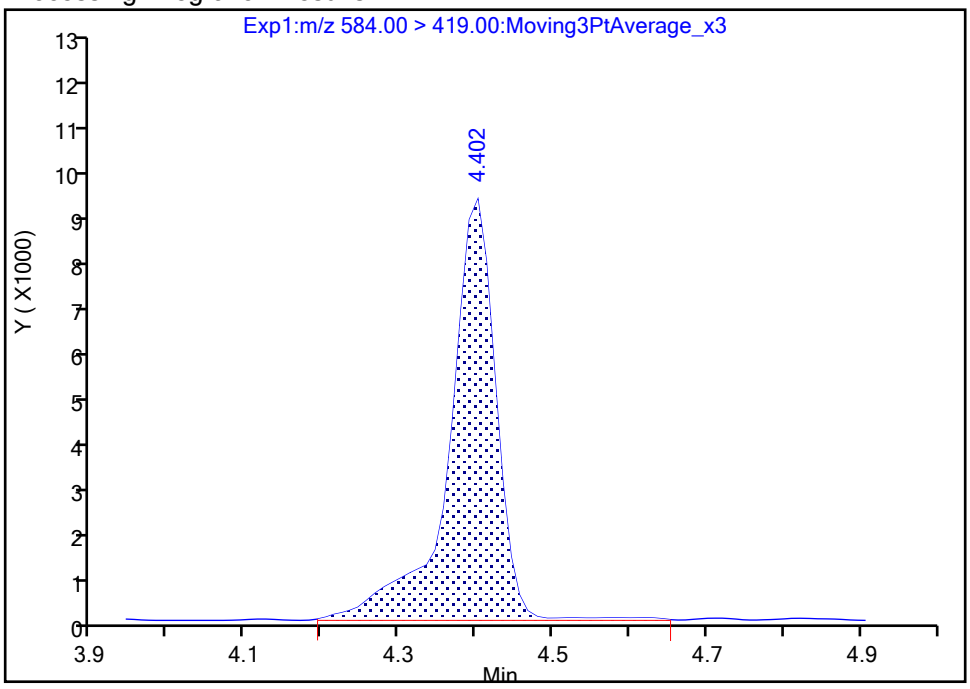
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Lims ID:	480-181441-A-8-C MSD				
Client ID:	MW-2S-022321				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

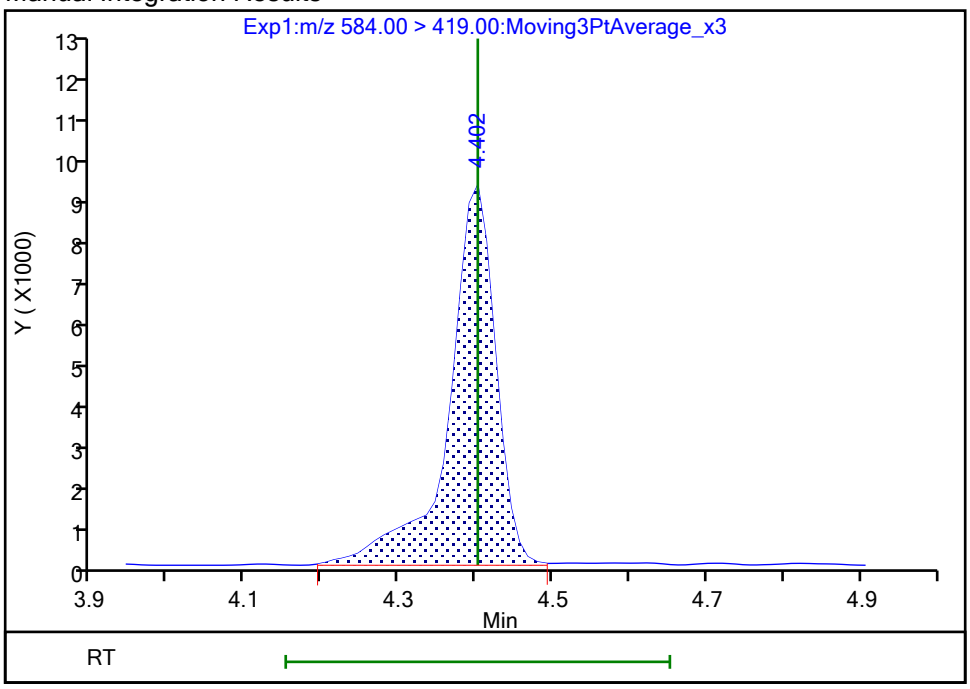
Processing Integration Results

RT: 4.40
Area: 38811
Amount: 1.007995
Amount Units: ng/ml



Manual Integration Results

RT: 4.40
Area: 38354
Amount: 0.996126
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:31:47

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

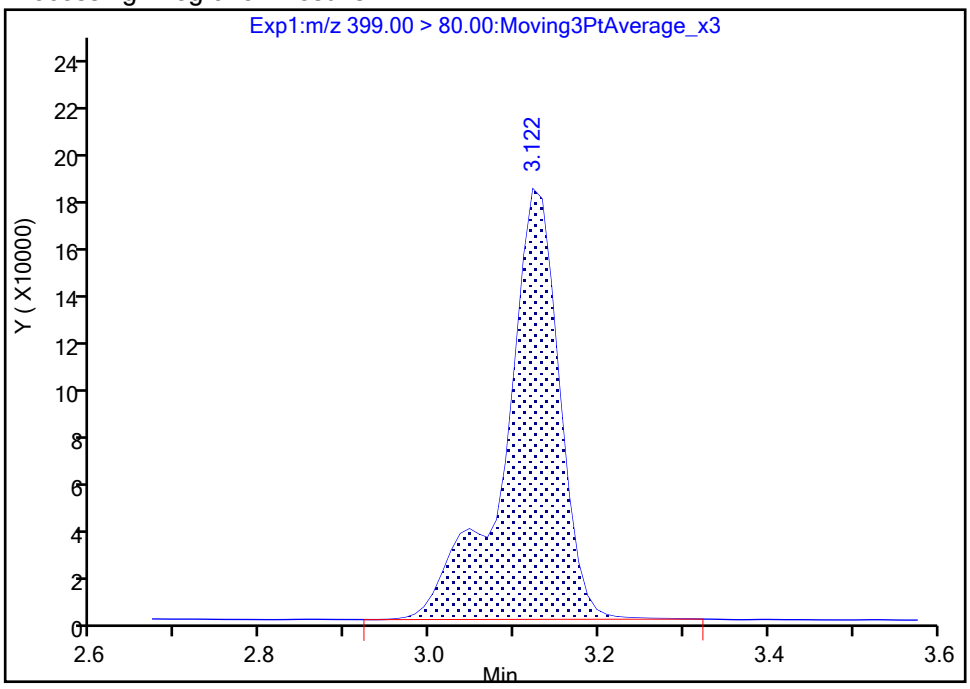
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Injection Date:	03-Mar-2021 21:27:22	Instrument ID:	LC812		
Lims ID:	480-181441-A-8-C MSD				
Client ID:	MW-2S-022321				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

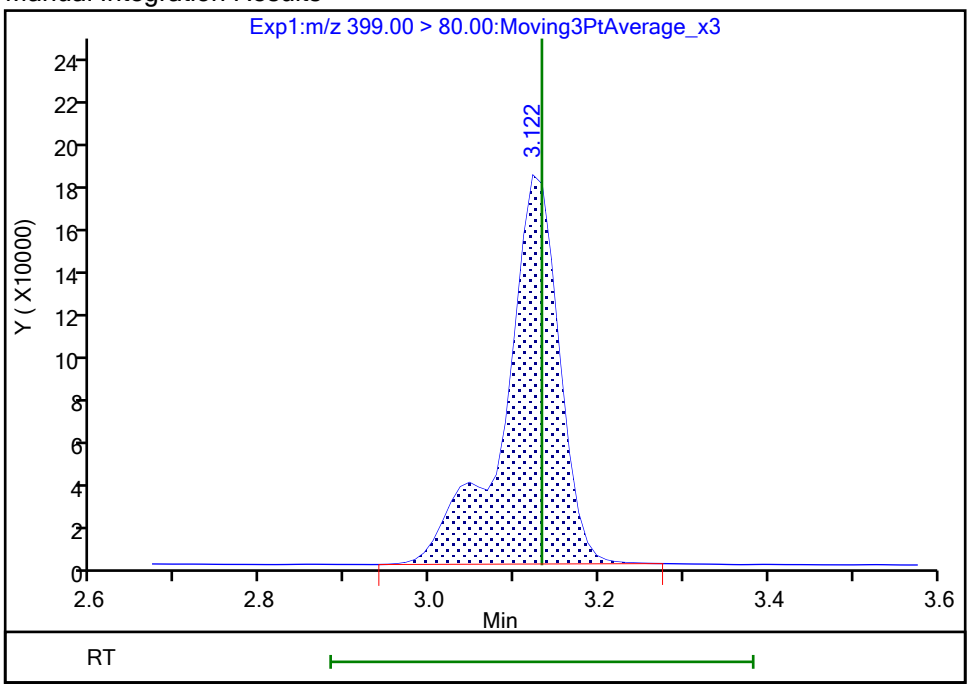
Processing Integration Results

RT: 3.12
Area: 822874
Amount: 0.879879
Amount Units: ng/ml



Manual Integration Results

RT: 3.12
Area: 819844
Amount: 0.876639
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:30:44

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

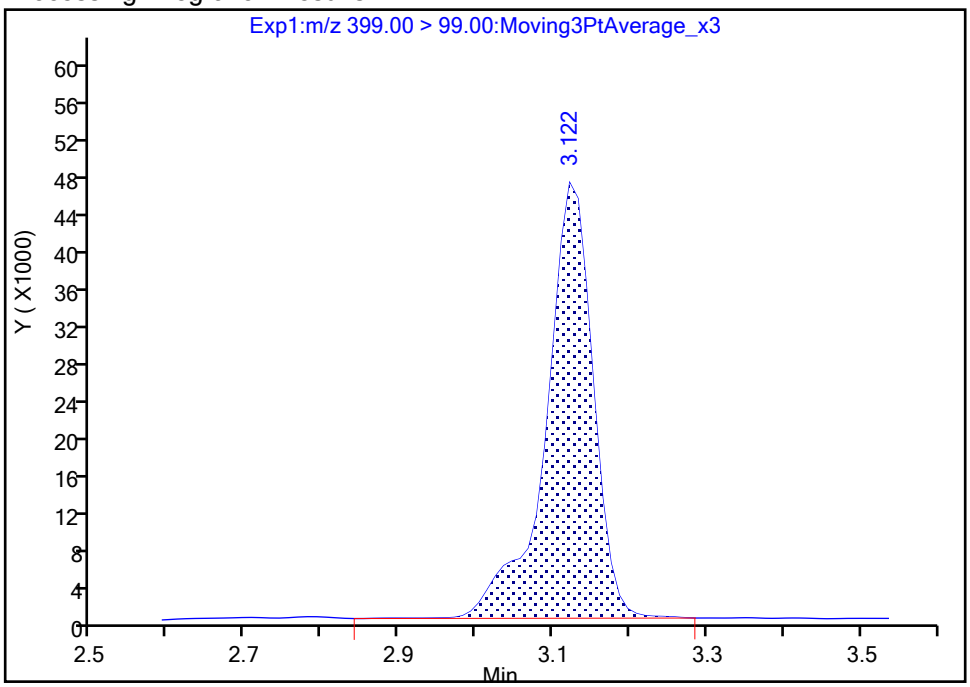
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Injection Date:	03-Mar-2021 21:27:22	Instrument ID:	LC812		
Lims ID:	480-181441-A-8-C MSD				
Client ID:	MW-2S-022321				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

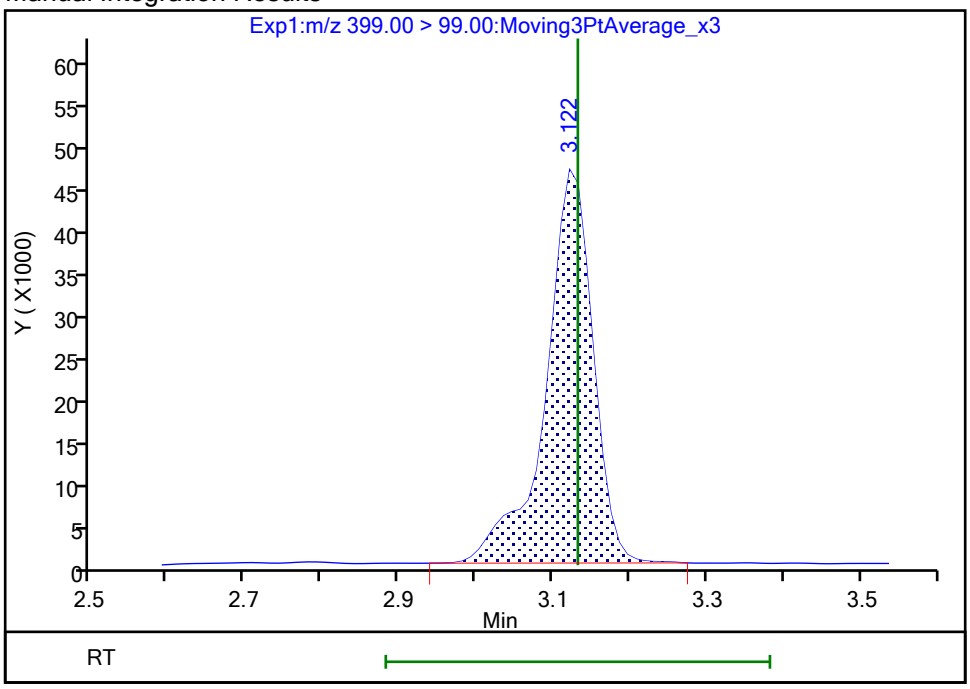
Processing Integration Results

RT: 3.12
Area: 198635
Amount: 0.879879
Amount Units: ng/ml



Manual Integration Results

RT: 3.12
Area: 197807
Amount: 0.876639
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:30:50
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

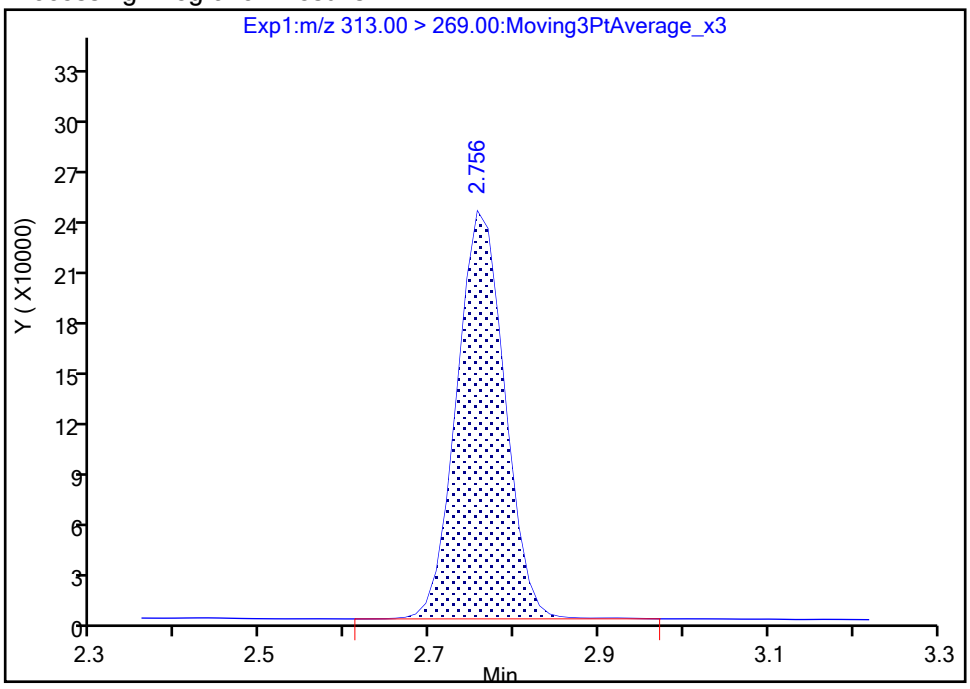
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Injection Date:	03-Mar-2021 21:27:22	Instrument ID:	LC812		
Lims ID:	480-181441-A-8-C MSD				
Client ID:	MW-2S-022321				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

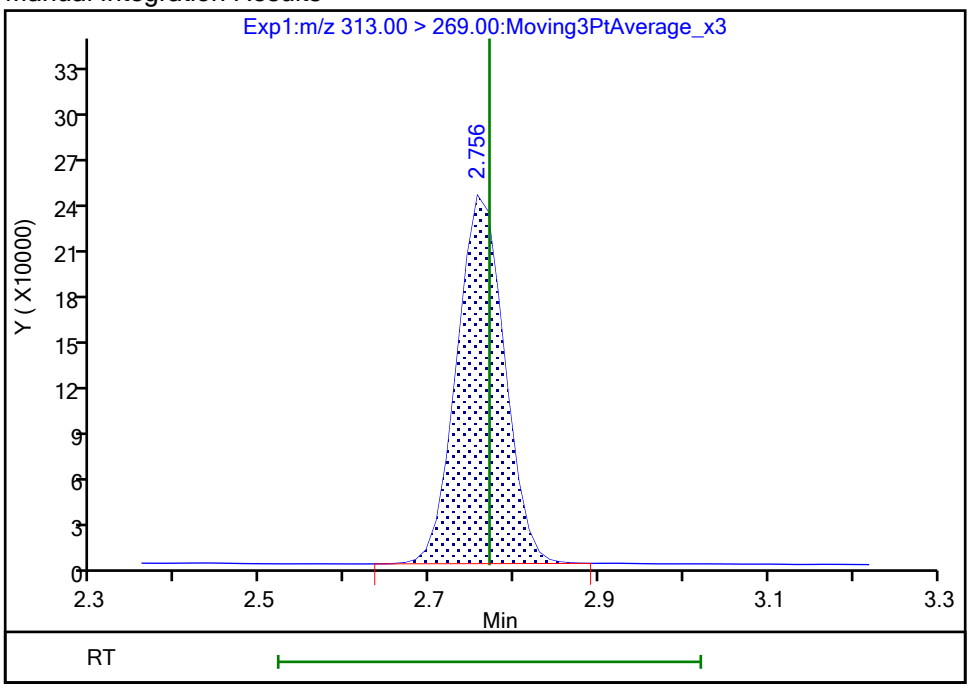
Processing Integration Results

RT: 2.76
Area: 954897
Amount: 1.020138
Amount Units: ng/ml



Manual Integration Results

RT: 2.76
Area: 951088
Amount: 1.016068
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:30:26

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

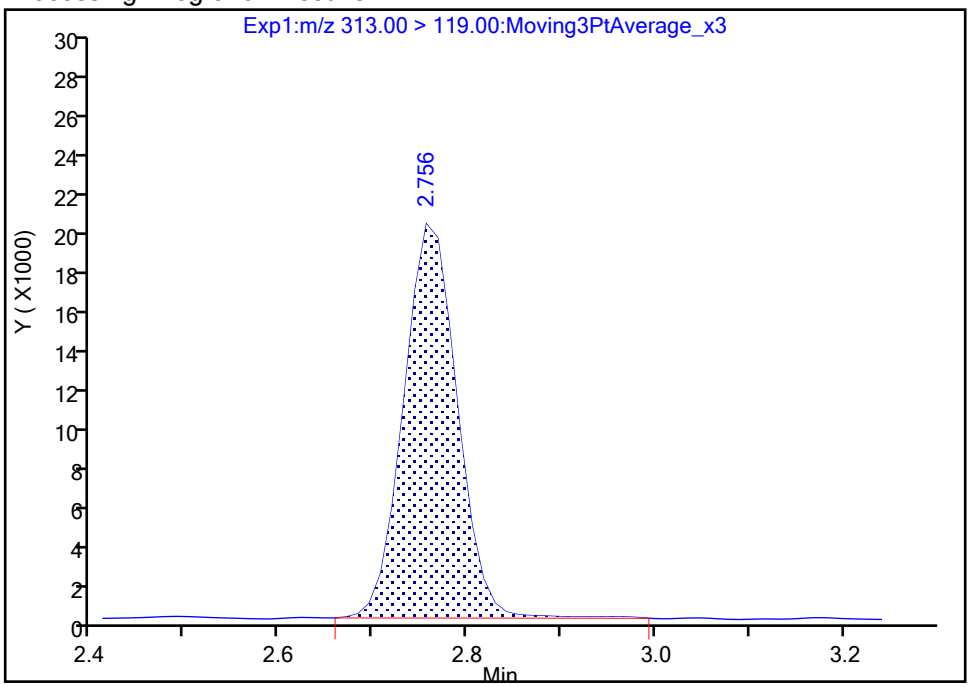
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B19.d				
Injection Date:	03-Mar-2021 21:27:22	Instrument ID:	LC812		
Lims ID:	480-181441-A-8-C MSD				
Client ID:	MW-2S-022321				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

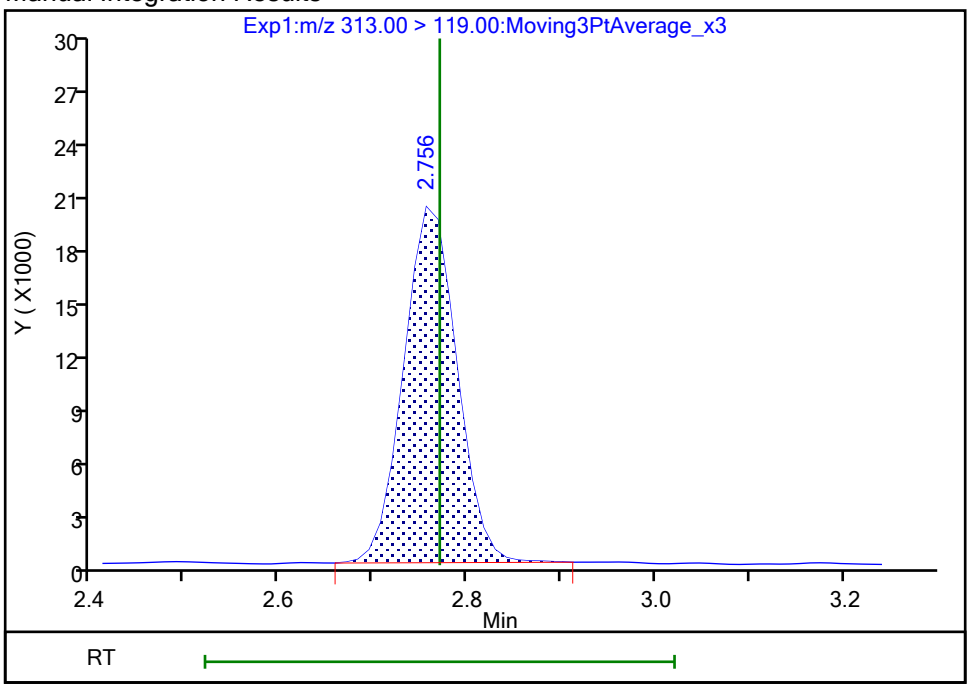
Processing Integration Results

RT: 2.76
Area: 79399
Amount: 1.020138
Amount Units: ng/ml



Manual Integration Results

RT: 2.76
Area: 78663
Amount: 1.016068
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:30:31
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

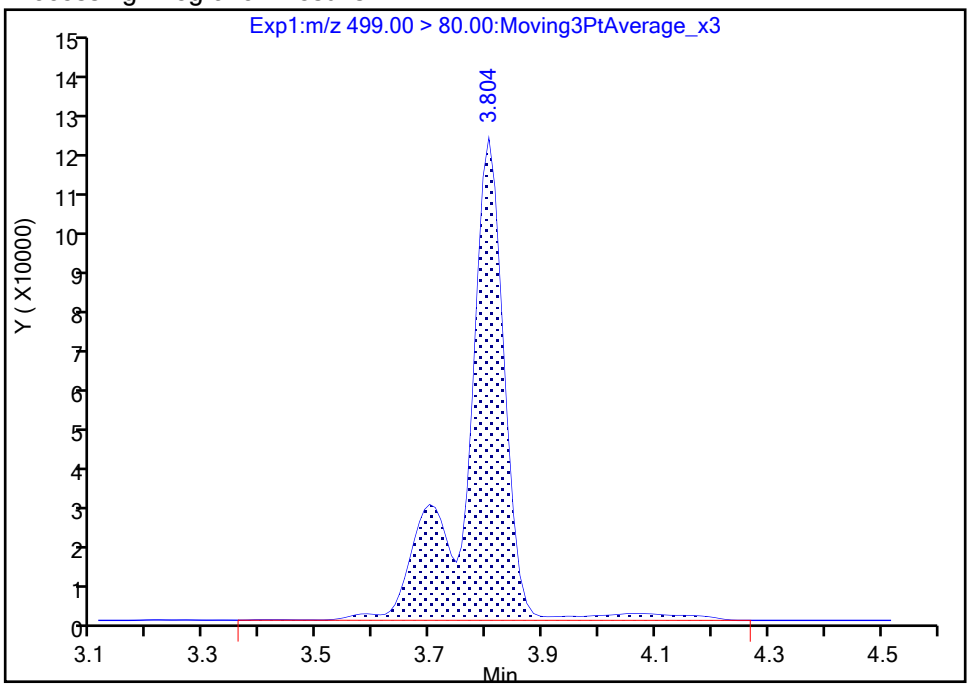
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B19.d				
Injection Date:	03-Mar-2021 21:27:22	Instrument ID:	LC812		
Lims ID:	480-181441-A-8-C MSD				
Client ID:	MW-2S-022321				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

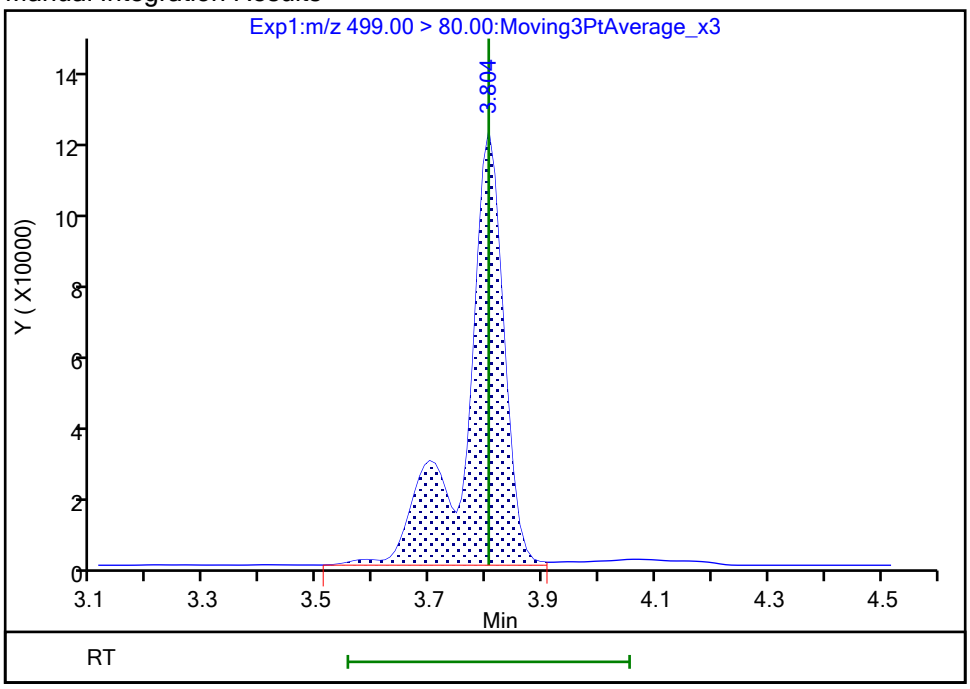
Processing Integration Results

RT: 3.80
Area: 589326
Amount: 0.965722
Amount Units: ng/ml



Manual Integration Results

RT: 3.80
Area: 567484
Amount: 0.929930
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:31:24

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

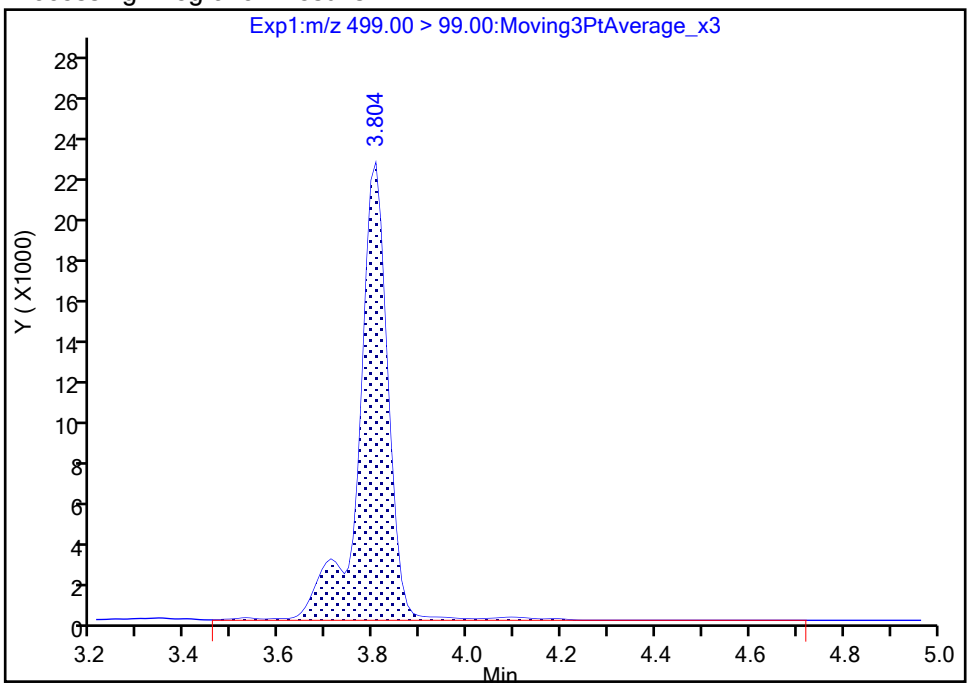
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B19.d				
Injection Date:	03-Mar-2021 21:27:22	Instrument ID:	LC812		
Lims ID:	480-181441-A-8-C MSD				
Client ID:	MW-2S-022321				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

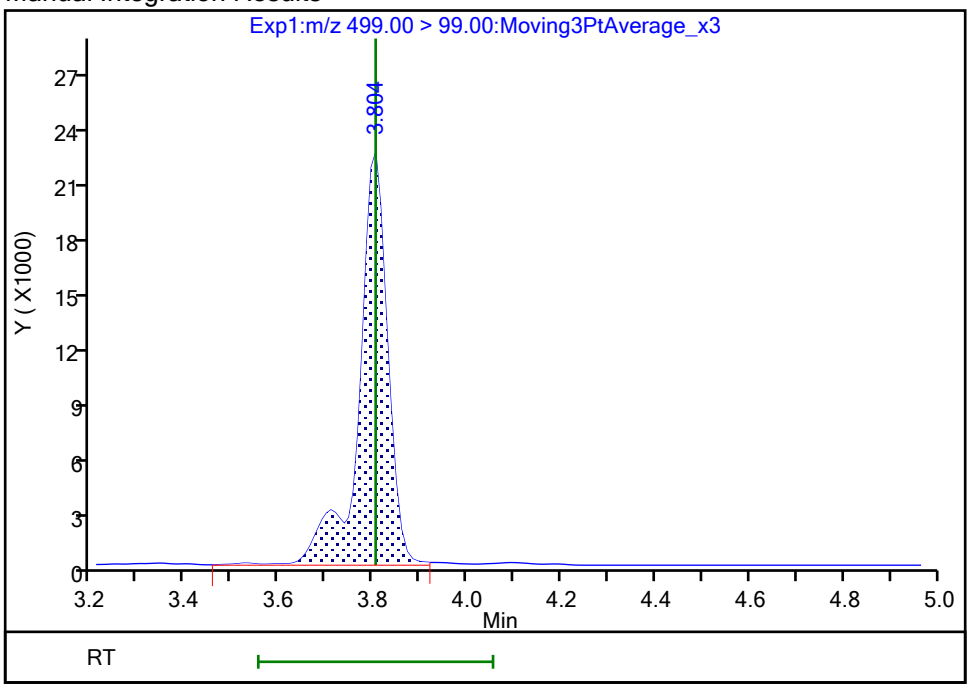
Processing Integration Results

RT: 3.80
Area: 97835
Amount: 0.965722
Amount Units: ng/ml



Manual Integration Results

RT: 3.80
Area: 96170
Amount: 0.929930
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:31:31

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Burlington

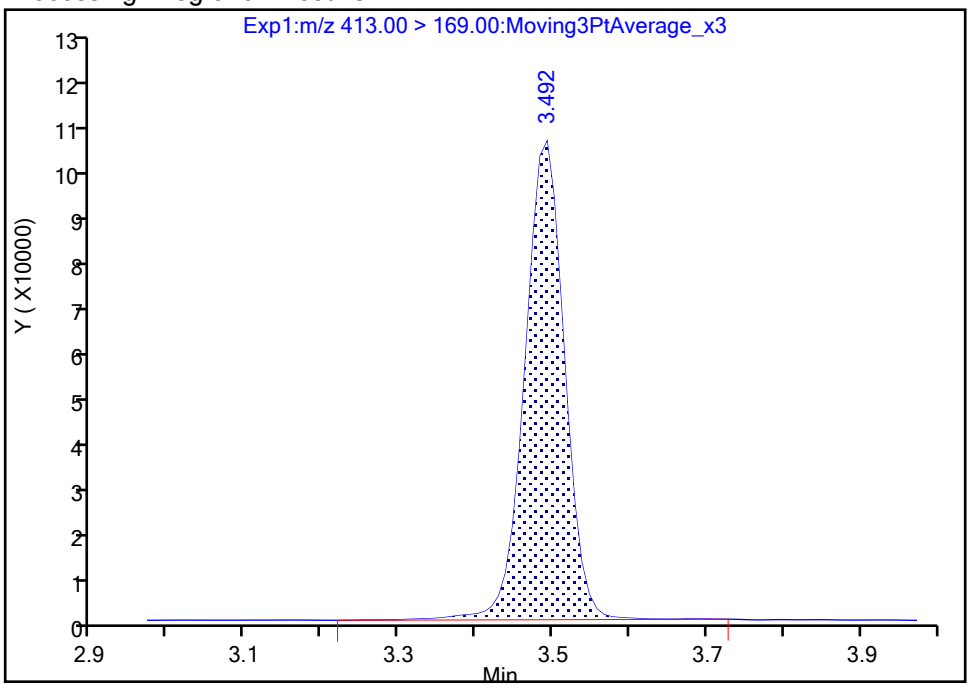
Data File:	\\chromfs\Burlington\ChromData\LC812\20210303-45034.b\PA210303B19.d				
Injection Date:	03-Mar-2021 21:27:22	Instrument ID:	LC812		
Lims ID:	480-181441-A-8-C MSD				
Client ID:	MW-2S-022321				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

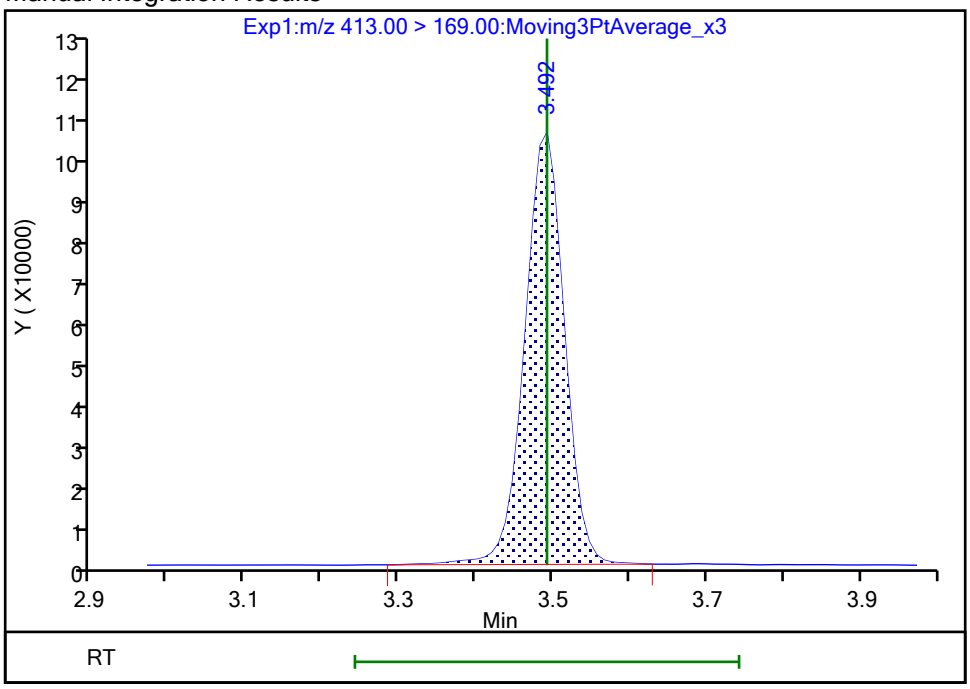
Processing Integration Results

RT: 3.49
Area: 374111
Amount: 1.079437
Amount Units: ng/ml



Manual Integration Results

RT: 3.49
Area: 372318
Amount: 1.079437
Amount Units: ng/ml



Reviewer: khanphomeea, 04-Mar-2021 10:31:13

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

LCMS ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Instrument ID: LC812 Start Date: 12/22/2020 11:50

Analysis Batch Number: 162365 End Date: 12/22/2020 13:54

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		12/22/2020 11:50	1		C-18 4.6(mm)
ZZZZZ		12/22/2020 11:58	1		C-18 4.6(mm)
ZZZZZ		12/22/2020 12:06	1		C-18 4.6(mm)
ZZZZZ		12/22/2020 12:15	1		C-18 4.6(mm)
ZZZZZ		12/22/2020 12:23	1		C-18 4.6(mm)
ZZZZZ		12/22/2020 12:31	1		C-18 4.6(mm)
ZZZZZ		12/22/2020 12:39	1		C-18 4.6(mm)
IC 200-162365/8		12/22/2020 12:48	1	PA201222ICAL008.d	C-18 4.6(mm)
IC 200-162365/9		12/22/2020 12:56	1	PA201222ICAL009.d	C-18 4.6(mm)
IC 200-162365/10		12/22/2020 13:04	1	PA201222ICAL010.d	C-18 4.6(mm)
ICIS 200-162365/11		12/22/2020 13:13	1	PA201222ICAL011.d	C-18 4.6(mm)
IC 200-162365/12		12/22/2020 13:21	1	PA201222ICAL012.d	C-18 4.6(mm)
IC 200-162365/13		12/22/2020 13:29	1	PA201222ICAL013.d	C-18 4.6(mm)
ICB 200-162365/14		12/22/2020 13:37	1	PA201222ICAL014.d	C-18 4.6(mm)
ICV 200-162365/15		12/22/2020 13:46	1	PA201222ICAL015.d	C-18 4.6(mm)
ZZZZZ		12/22/2020 13:54	1		C-18 4.6(mm)

537 (modified)

LCMS ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Instrument ID: LC812 Start Date: 03/03/2021 15:31

Analysis Batch Number: 164489 End Date: 03/03/2021 18:49

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		03/03/2021 15:31	1		C-18 4.6(mm)
ZZZZZ		03/03/2021 15:39	1		C-18 4.6(mm)
ZZZZZ		03/03/2021 15:47	1		C-18 4.6(mm)
ZZZZZ		03/03/2021 15:55	1		C-18 4.6(mm)
CCVL 200-164489/5		03/03/2021 16:04	1	PA210303A05.d	C-18 4.6(mm)
CCVIS 200-164489/6		03/03/2021 16:12	1	PA210303A06.d	C-18 4.6(mm)
ZZZZZ		03/03/2021 16:20	1		C-18 4.6(mm)
ZZZZZ		03/03/2021 16:29	1		C-18 4.6(mm)
ZZZZZ		03/03/2021 16:37	1		C-18 4.6(mm)
ZZZZZ		03/03/2021 16:45	1		C-18 4.6(mm)
ZZZZZ		03/03/2021 16:53	1		C-18 4.6(mm)
ZZZZZ		03/03/2021 17:02	1		C-18 4.6(mm)
ZZZZZ		03/03/2021 17:10	1		C-18 4.6(mm)
ZZZZZ		03/03/2021 17:18	1		C-18 4.6(mm)
ZZZZZ		03/03/2021 17:27	1		C-18 4.6(mm)
ZZZZZ		03/03/2021 17:35	1		C-18 4.6(mm)
ZZZZZ		03/03/2021 17:43	1		C-18 4.6(mm)
ZZZZZ		03/03/2021 17:51	1		C-18 4.6(mm)
ZZZZZ		03/03/2021 18:00	1		C-18 4.6(mm)
CCV 200-164489/20		03/03/2021 18:08	1		C-18 4.6(mm)
ZZZZZ		03/03/2021 18:16	2		C-18 4.6(mm)
ZZZZZ		03/03/2021 18:24	1		C-18 4.6(mm)
ZZZZZ		03/03/2021 18:33	5		C-18 4.6(mm)
ZZZZZ		03/03/2021 18:41	1		C-18 4.6(mm)
CCV 200-164489/25		03/03/2021 18:49	1		C-18 4.6(mm)

537 (modified)

LCMS ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Instrument ID: LC812 Start Date: 03/03/2021 18:58

Analysis Batch Number: 164492 End Date: 03/03/2021 22:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 200-164492/1		03/03/2021 18:58	1	PA210303B01.d	C-18 4.6(mm)
MB 200-164458/1-A		03/03/2021 19:06	1	PA210303B02.d	C-18 4.6(mm)
LCS 200-164458/2-A		03/03/2021 19:14	1	PA210303B03.d	C-18 4.6(mm)
ZZZZZ		03/03/2021 19:22	1		C-18 4.6(mm)
ZZZZZ		03/03/2021 19:31	1		C-18 4.6(mm)
ZZZZZ		03/03/2021 19:39	1		C-18 4.6(mm)
ZZZZZ		03/03/2021 19:47	1		C-18 4.6(mm)
ZZZZZ		03/03/2021 19:56	1		C-18 4.6(mm)
480-181441-1	MW-6D-022221	03/03/2021 20:04	1	PA210303B09.d	C-18 4.6(mm)
480-181441-2	MW5S-022221	03/03/2021 20:12	1	PA210303B10.d	C-18 4.6(mm)
480-181441-3	MW-5D-022221	03/03/2021 20:21	1	PA210303B11.d	C-18 4.6(mm)
480-181441-4	MW-3D-022321	03/03/2021 20:29	1	PA210303B12.d	C-18 4.6(mm)
480-181441-5	MW-3S-022321	03/03/2021 20:37	1	PA210303B13.d	C-18 4.6(mm)
CCV 200-164492/14		03/03/2021 20:45	1	PA210303B14.d	C-18 4.6(mm)
480-181441-6	DUP-1-022321	03/03/2021 20:54	1	PA210303B15.d	C-18 4.6(mm)
480-181441-7	MW-1S-022221	03/03/2021 21:02	1	PA210303B16.d	C-18 4.6(mm)
480-181441-8	MW-2S-022321	03/03/2021 21:10	1	PA210303B17.d	C-18 4.6(mm)
480-181441-8 MS	MW-2S-022321 MS	03/03/2021 21:19	1	PA210303B18.d	C-18 4.6(mm)
480-181441-8 MSD	MW-2S-022321 MSD	03/03/2021 21:27	1	PA210303B19.d	C-18 4.6(mm)
480-181441-9	MW-2D-022321	03/03/2021 21:35	1	PA210303B20.d	C-18 4.6(mm)
480-181441-10	MW-4S-022221	03/03/2021 21:43	1	PA210303B21.d	C-18 4.6(mm)
480-181441-11	MW-6S-022221	03/03/2021 21:52	1	PA210303B22.d	C-18 4.6(mm)
480-181441-12	TMW-2D-022421	03/03/2021 22:00	1	PA210303B23.d	C-18 4.6(mm)
480-181441-13	EQUIP BLANK	03/03/2021 22:08	1	PA210303B24.d	C-18 4.6(mm)
ZZZZZ		03/03/2021 22:17	1		C-18 4.6(mm)
ZZZZZ		03/03/2021 22:25	1		C-18 4.6(mm)
CCV 200-164492/27		03/03/2021 22:33	1	PA210303B27.d	C-18 4.6(mm)

537 (modified)

LCMS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Burlingt Job No.: 480-181441-1

SDG No.:

Batch Number: 164458 Batch Start Date: 03/03/21 08:24 Batch Analyst: Wisniewski, Kurtis F

Batch Method: 3535 Batch End Date: 03/03/21 12:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	LCMPFCIDA21 00029	LCPFC32MTXStk 00031
MB 200-164458/1		3535, 537 (modified)		250 g	0 g	250 mL	10 mL	100 uL	
LCS 200-164458/2		3535, 537 (modified)		250 g	0 g	250 mL	10 mL	100 uL	25 uL
480-181441-A-1	MW-6D-022221	3535, 537 (modified)	T	306.47 g	26.88 g	279.6 mL	10 mL	100 uL	
480-181441-A-2	MW5S-022221	3535, 537 (modified)	T	312.29 g	26.57 g	285.7 mL	10 mL	100 uL	
480-181441-A-3	MW-5D-022221	3535, 537 (modified)	T	303.01 g	26.53 g	276.5 mL	10 mL	100 uL	
480-181441-A-4	MW-3D-022321	3535, 537 (modified)	T	309.11 g	26.54 g	282.6 mL	10 mL	100 uL	
480-181441-A-5	MW-3S-022321	3535, 537 (modified)	T	306.98 g	26.89 g	280.1 mL	10 mL	100 uL	
480-181441-A-6	DUP-1-022321	3535, 537 (modified)	T	313.28 g	26.72 g	286.6 mL	10 mL	100 uL	
480-181441-A-7	MW-1S-022221	3535, 537 (modified)	T	307.20 g	26.91 g	280.3 mL	10 mL	100 uL	
480-181441-A-8	MW-2S-022321	3535, 537 (modified)	T	300.70 g	26.86 g	273.8 mL	10 mL	100 uL	
480-181441-A-8 MS	MW-2S-022321	3535, 537 (modified)	T	323.44 g	26.73 g	296.7 mL	10 mL	100 uL	25 uL
480-181441-A-8 MSD	MW-2S-022321	3535, 537 (modified)	T	323.82 g	26.85 g	297 mL	10 mL	100 uL	25 uL
480-181441-A-9	MW-2D-022321	3535, 537 (modified)	T	314.58 g	26.70 g	287.9 mL	10 mL	100 uL	
480-181441-A-10	MW-4S-022221	3535, 537 (modified)	T	318.59 g	26.88 g	291.7 mL	10 mL	100 uL	
480-181441-A-11	MW-6S-022221	3535, 537 (modified)	T	316.12 g	26.68 g	289.4 mL	10 mL	100 uL	
480-181441-A-12	TMW-2D-022421	3535, 537 (modified)	T	322.47 g	26.78 g	295.7 mL	10 mL	100 uL	
480-181441-A-13	EQUIP BLANK	3535, 537 (modified)	T	313.62 g	26.74 g	286.9 mL	10 mL	100 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	PFAS21 IS Stk 00031	AnalysisComment				
MB 200-164458/1		3535, 537 (modified)		100 uL					
LCS 200-164458/2		3535, 537 (modified)		100 uL					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

LCMS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Burlingt Job No.: 480-181441-1

SDG No.:

Batch Number: 164458 Batch Start Date: 03/03/21 08:24 Batch Analyst: Wisniewski, Kurtis F

Batch Method: 3535 Batch End Date: 03/03/21 12:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	PFAS21 IS Stk 00031	AnalysisComment				
480-181441-A-1	MW-6D-022221	3535, 537 (modified)	T	100 uL	Sediment Discarded. 278.75g of sample extracted.				
480-181441-A-2	MW5S-022221	3535, 537 (modified)	T	100 uL					
480-181441-A-3	MW-5D-022221	3535, 537 (modified)	T	100 uL	Sediment Discarded. 270.06g of sample extracted.				
480-181441-A-4	MW-3D-022321	3535, 537 (modified)	T	100 uL					
480-181441-A-5	MW-3S-022321	3535, 537 (modified)	T	100 uL					
480-181441-A-6	DUP-1-022321	3535, 537 (modified)	T	100 uL					
480-181441-A-7	MW-1S-022221	3535, 537 (modified)	T	100 uL					
480-181441-A-8	MW-2S-022321	3535, 537 (modified)	T	100 uL					
480-181441-A-8 MS	MW-2S-022321	3535, 537 (modified)	T	100 uL					
480-181441-A-8 MSD	MW-2S-022321	3535, 537 (modified)	T	100 uL					
480-181441-A-9	MW-2D-022321	3535, 537 (modified)	T	100 uL					
480-181441-A-10	MW-4S-022221	3535, 537 (modified)	T	100 uL					
480-181441-A-11	MW-6S-022221	3535, 537 (modified)	T	100 uL					
480-181441-A-12	TMW-2D-022421	3535, 537 (modified)	T	100 uL					
480-181441-A-13	EQUIP BLANK	3535, 537 (modified)	T	100 uL					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

LCMS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Burlingt Job No.: 480-181441-1

SDG No.:

Batch Number: 164458 Batch Start Date: 03/03/21 08:24 Batch Analyst: Wisniewski, Kurtis F

Batch Method: 3535 Batch End Date: 03/03/21 12:00

Batch Notes	
Balance ID	M02926
Manifold ID	IDA 3 & 4
Pipette/Syringe/Dispenser ID	QH77727
Rinse Solvent Lot	1443689
Rinse Solvent Name	Hexane
Solvent Lot #	1470031
Solvent Name	Methanol (0.3% NH4OH)
SPE Cartridge Lot ID	006030211A
SPE Cartridge Type	Strata PFAS(WAX/GCB), 500mg/ 50mg/ 6mL
Analyst ID - Spike Analyst	KFW
Analyst ID - Spike Witness Analyst	NDD

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job Number: 480-181441-1

SDG No.:

Project: NYSEG - Penn Yan Water St. MGP

Client Sample ID	Lab Sample ID
MW-6D-022221	480-181441-1
MW5S-022221	480-181441-2
MW-5D-022221	480-181441-3
MW-3D-022321	480-181441-4
MW-3S-022321	480-181441-5
DUP-1-022321	480-181441-6
MW-1S-022221	480-181441-7
MW-2S-022321	480-181441-8
MW-2D-022321	480-181441-9
MW-4S-022221	480-181441-10
MW-6S-022221	480-181441-11
TMW-2D-022421	480-181441-12

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-6D-022221 Lab Sample ID: 480-181441-1

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG ID.:

Matrix: Water Date Sampled: 02/22/2021 11:20

Reporting Basis: WET Date Received: 02/25/2021 11:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	ND	0.010	0.0050	mg/L			1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW5S-022221 Lab Sample ID: 480-181441-2

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG ID.:

Matrix: Water Date Sampled: 02/22/2021 11:50

Reporting Basis: WET Date Received: 02/25/2021 11:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.15	0.010	0.0050	mg/L			1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-5D-022221 Lab Sample ID: 480-181441-3

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG ID.:

Matrix: Water Date Sampled: 02/22/2021 10:50

Reporting Basis: WET Date Received: 02/25/2021 11:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	ND	0.010	0.0050	mg/L			1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-3D-022321 Lab Sample ID: 480-181441-4

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG ID.:

Matrix: Water Date Sampled: 02/23/2021 14:55

Reporting Basis: WET Date Received: 02/25/2021 11:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.013	0.010	0.0050	mg/L			1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-3S-022321 Lab Sample ID: 480-181441-5

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG ID.:

Matrix: Water Date Sampled: 02/23/2021 13:55

Reporting Basis: WET Date Received: 02/25/2021 11:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	ND	0.010	0.0050	mg/L			1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: DUP-1-022321 Lab Sample ID: 480-181441-6

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG ID.:

Matrix: Water Date Sampled: 02/23/2021 14:00

Reporting Basis: WET Date Received: 02/25/2021 11:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	ND	0.010	0.0050	mg/L			1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-1S-022221 Lab Sample ID: 480-181441-7

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG ID.:

Matrix: Water Date Sampled: 02/22/2021 12:45

Reporting Basis: WET Date Received: 02/25/2021 11:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	ND	0.010	0.0050	mg/L			1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-2S-022321 Lab Sample ID: 480-181441-8

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG ID.:

Matrix: Water Date Sampled: 02/23/2021 15:20

Reporting Basis: WET Date Received: 02/25/2021 11:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.088	0.010	0.0050	mg/L			1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-2D-022321 Lab Sample ID: 480-181441-9

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG ID.:

Matrix: Water Date Sampled: 02/23/2021 16:20

Reporting Basis: WET Date Received: 02/25/2021 11:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	ND	0.010	0.0050	mg/L			1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-4S-022221 Lab Sample ID: 480-181441-10

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG ID.:

Matrix: Water Date Sampled: 02/22/2021 14:20

Reporting Basis: WET Date Received: 02/25/2021 11:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.0054	0.010	0.0050	mg/L	J		1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-6S-022221 Lab Sample ID: 480-181441-11

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG ID.:

Matrix: Water Date Sampled: 02/22/2021 13:20

Reporting Basis: WET Date Received: 02/25/2021 11:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	ND	0.010	0.0050	mg/L			1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: TMW-2D-022421 Lab Sample ID: 480-181441-12

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG ID.:

Matrix: Water Date Sampled: 02/24/2021 10:20

Reporting Basis: WET Date Received: 02/25/2021 11:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	ND	0.010	0.0050	mg/L			1	9012B

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Analyst: ALT Batch Start Date: 03/03/2021

Reporting Units: mg/L Analytical Batch No.: 571255

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	CCV	18:44	Cyanide, Total	0.275	0.250	110	90-110		CN CCV_01436
2	CCB	18:45	Cyanide, Total	ND					
6	CCVL	18:52	Cyanide, Total	0.0980	0.100	98	90-110		CN 0.1 CCVL_00163
13	CCV	19:03	Cyanide, Total	0.254	0.250	102	90-110		CN CCV_01436
14	CCB	19:04	Cyanide, Total	ND					
25	CCV	19:20	Cyanide, Total	0.266	0.250	106	90-110		CN CCV_01436
26	CCB	19:22	Cyanide, Total	ND					
31	CCV	19:29	Cyanide, Total	0.249	0.250	100	90-110		CN CCV_01436
32	CCB	19:30	Cyanide, Total	ND					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Analyst: ALT Batch Start Date: 03/03/2021

Reporting Units: mg/L Analytical Batch No.: 571259

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	CCV	19:43	Cyanide, Total	0.272	0.250	109	90-110		CN CCV_01436
2	CCB	19:44	Cyanide, Total	ND					
5	CCVL	19:50	Cyanide, Total	0.0953	0.100	95	90-110		CN 0.1 CCVL_00163
13	CCV	20:01	Cyanide, Total	0.269	0.250	108	90-110		CN CCV_01436
14	CCB	20:03	Cyanide, Total	ND					
25	CCV	20:18	Cyanide, Total	0.253	0.250	101	90-110		CN CCV_01436
26	CCB	20:20	Cyanide, Total	ND					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 571255	Date: 03/03/2021 18:47	Prep Batch: 571094	Date: 03/02/2021 21:41				
9012B	MB 480-571094/1-A	Cyanide, Total	ND		mg/L	0.010	1
Batch ID: 571259	Date: 03/03/2021 19:47	Prep Batch: 571095	Date: 03/02/2021 21:51				
9012B	MB 480-571095/1-A	Cyanide, Total	ND		mg/L	0.010	1

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 571255	Date: 03/03/2021 19:24		Prep Batch: 571094		Date: 03/02/2021 21:41						
9012B	480-181441-6	Cyanide, Total	ND		mg/L						
9012B	480-181441-6 MS	Cyanide, Total	0.0918		mg/L	0.100	92	90-110			
Batch ID: 571259	Date: 03/03/2021 19:53		Prep Batch: 571095		Date: 03/02/2021 21:51						
9012B	480-181441-8	Cyanide, Total	0.088		mg/L						
9012B	480-181441-8 MS	Cyanide, Total	0.196		mg/L	0.100	109	90-110			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 571259	Date: 03/03/2021 19:54		Prep Batch: 571095		Date: 03/02/2021 21:51						
9012B	480-181441-8 MSD	Cyanide, Total	0.192		mg/L	0.100	105	90-110	2	15	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 571255	Date: 03/03/2021 18:49		Prep Batch: 571094			Date: 03/02/2021 21:41					
						LCS Source: LCS 400_00171					
9012B	LCS 480-571094/2-A	Cyanide, Total	0.399		mg/L	0.400	100	90-110			
Batch ID: 571255	Date: 03/03/2021 18:50		Prep Batch: 571094			Date: 03/02/2021 21:41					
						LCS Source: CN LCS 250_00175					
9012B	LCS 480-571094/3-A	Cyanide, Total	0.257		mg/L	0.250	103	90-110			
Batch ID: 571259	Date: 03/03/2021 19:48		Prep Batch: 571095			Date: 03/02/2021 21:51					
						LCS Source: CN LCS 250_00175					
9012B	LCS 480-571095/2-A	Cyanide, Total	0.256		mg/L	0.250	102	90-110			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job Number: 480-181441-1

SDG Number:

Matrix: Water Instrument ID: LACHAT2

Method: 9012B MDL Date: 01/29/2010 00:00

Prep Method: 9012B

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Cyanide, Total		0.01	0.005

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job Number: 480-181441-1

SDG Number:

Matrix: Water Instrument ID: LACHAT2

Method: 9012B XMDL Date: 01/29/2010 00:00

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Cyanide, Total		0.01	0.005

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Prep Method: 9012B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 480-571094/1-A	03/02/2021 21:41	571094		6	6
LCS 480-571094/2-A	03/02/2021 21:41	571094		6	6
LCS 480-571094/3-A	03/02/2021 21:41	571094		6	6
480-181441-1	03/02/2021 21:41	571094		6	6
480-181441-2	03/02/2021 21:41	571094		6	6
480-181441-3	03/02/2021 21:41	571094		6	6
480-181441-4	03/02/2021 21:41	571094		6	6
480-181441-5	03/02/2021 21:41	571094		6	6
480-181441-6	03/02/2021 21:41	571094		6	6
480-181441-6 MS	03/02/2021 21:41	571094		6	6

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Prep Method: 9012B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 480-571095/1-A	03/02/2021 21:51	571095		6	6
LCS 480-571095/2-A	03/02/2021 21:51	571095		6	6
480-181441-8	03/02/2021 21:51	571095		6	6
480-181441-8 MS	03/02/2021 21:51	571095		6	6
480-181441-8 MSD	03/02/2021 21:51	571095		6	6
480-181441-7	03/02/2021 21:51	571095		6	6
480-181441-9	03/02/2021 21:51	571095		6	6
480-181441-10	03/02/2021 21:51	571095		6	6
480-181441-11	03/02/2021 21:51	571095		6	6
480-181441-12	03/02/2021 21:51	571095		6	6

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Instrument ID: LACHAT2 Method: 9012B

Start Date: 03/03/2021 18:44 End Date: 03/03/2021 19:30

Lab Sample ID	D / F	Type	Time	Analytes																			
				CN																			
CCV 480-571255/1	1		18:44	X																			
CCB 480-571255/2	1		18:45	X																			
MB 480-571094/1-A	1	T	18:47	X																			
LCS 480-571094/2-A	1	T	18:49	X																			
LCS 480-571094/3-A	1	T	18:50	X																			
CCVL 480-571094/4-A	1		18:52	X																			
ZZZZZZ			18:54																				
ZZZZZZ			18:56																				
ZZZZZZ			18:57																				
ZZZZZZ			18:58																				
ZZZZZZ			19:00																				
ZZZZZZ			19:01																				
CCV 480-571255/13	1		19:03	X																			
CCB 480-571255/14	1		19:04	X																			
ZZZZZZ			19:06																				
ZZZZZZ			19:07																				
ZZZZZZ			19:08																				
ZZZZZZ			19:10																				
ZZZZZZ			19:11																				
480-181441-1	1	T	19:13	X																			
480-181441-2	1	T	19:14	X																			
480-181441-3	1	T	19:16	X																			
480-181441-4	1	T	19:17	X																			
480-181441-5	1	T	19:19	X																			
CCV 480-571255/25	1		19:20	X																			
CCB 480-571255/26	1		19:22	X																			
480-181441-6	1	T	19:23	X																			
480-181441-6 MS	1	T	19:24	X																			
ZZZZZZ			19:26																				
ZZZZZZ			19:27																				
CCV 480-571255/31	1		19:29	X																			
CCB 480-571255/32	1		19:30	X																			

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Instrument ID: LACHAT2 Method: 9012B

Start Date: 03/03/2021 19:43 End Date: 03/03/2021 20:26

Lab Sample ID	D / F	Type	Time	Analytes																			
				CN																			
CCV 480-571259/1	1		19:43	X																			
CCB 480-571259/2	1		19:44	X																			
MB 480-571095/1-A	1	T	19:47	X																			
LCS 480-571095/2-A	1	T	19:48	X																			
CCVL 480-571095/3-A	1		19:50	X																			
480-181441-8	1	T	19:51	X																			
480-181441-8 MS	1	T	19:53	X																			
480-181441-8 MSD	1	T	19:54	X																			
480-181441-7	1	T	19:55	X																			
480-181441-9	1	T	19:57	X																			
480-181441-10	1	T	19:58	X																			
480-181441-11	1	T	20:00	X																			
CCV 480-571259/13	1		20:01	X																			
CCB 480-571259/14	1		20:03	X																			
480-181441-12	1	T	20:04	X																			
ZZZZZZ			20:05																				
ZZZZZZ			20:07																				
ZZZZZZ			20:08																				
ZZZZZZ			20:10																				
ZZZZZZ			20:11																				
ZZZZZZ			20:13																				
ZZZZZZ			20:14																				
ZZZZZZ			20:16																				
ZZZZZZ			20:17																				
CCV 480-571259/25	1		20:18	X																			
CCB 480-571259/26	1		20:20	X																			
ZZZZZZ			20:21																				
ZZZZZZ			20:23																				
CCV 480-571259/29			20:24																				
CCB 480-571259/30			20:26																				

Prep Types

T = Total/NA

571255

Solutions:

Potassium Phosphate Buffer	6341262	Exp: 08/18/2021
Pyridine Barbituric Acid	6344172	Exp: 03/03/2021
Chloramine-T	6352219	Exp: 03/04/2021
50ppm INT STD	6344174	Exp: 03/03/2021
CN .25ppm CCV Std	6344178	Exp: 03/03/2021
50ppm Secondary source INT STD	6344176	Exp: 03/03/2021

LCS = 0.4mg/L, 0.25mg/L
CCV = 0.25mg/L
MS/MSD = 0.1mg/L

Cyanide Curve Lachat 2 : 02/24/2021
Curve Standard(50 ppm) : 6344174
ICV (0.250 ppm): 6344177

571255

Author: BufLachat2

Date : 3/3/2021

Original Run Filename: OM_3-3-2021_06-43-31PM.OMN Created: 3/3/2021 6:43:31 PM
Original Run Author's Signature: [BufLachat2]
Current Run Filename: OM_3-3-2021_06-43-31PM.OMN Last Modified: 3/3/2021 7:33:36 PM
Current Run Author's Signature: [BufLachat2]
Description: 10-204-00-1-A

Sample	Rep.	Cup No.	Channel 1 Cyanide Conc. (mg/L)	Area (V.s)	Height (V)	Detection Time
CCV	1	S9	0.275	1.94	0.105	3/3/2021@6:44:13 PM
	Known Conc:		1.50			
	Calibration:		Table/Fig. : 1			
CCB	1	S10	-3.62e-3	-4.09e-3	5.78e-4	3/3/2021@6:45:39 PM
	Known Conc:		0.00			
mb 480-571094/1-a	1	1	-6.09e-3	-0.0214	-4.53e-4	3/3/2021@6:47:56 PM
lcs 480-571094/2-a	1	2	0.399	2.81	0.147	3/3/2021@6:49:23 PM
lcs 480-571094/3-a	1	3	0.257	1.82	0.0953	3/3/2021@6:50:50 PM
ccvl 480-571094/4-a	1	4	0.0980	0.707	0.0364	3/3/2021@6:52:17 PM
480-181367-d-4-a	1	5	-8.77e-4	0.0151	9.02e-4	3/3/2021@6:54:36 PM
480-181367-d-4-b du	1	6	-1.88e-3	8.07e-3	8.95e-4	3/3/2021@6:56:02 PM
480-181367-d-5-a	1	7	3.93e-3	0.0487	1.88e-3	3/3/2021@6:57:29 PM
480-181367-d-5-b ms	1	8	0.0825	0.598	0.0298	3/3/2021@6:58:56 PM
480-181362-c-1-a;NA	1	9	9.30e-3	0.0863	4.81e-3	3/3/2021@7:00:22 PM
480-181362-c-2-a;NA	1	10	4.10e-4	0.0241	1.28e-3	3/3/2021@7:01:49 PM
CCV	1	S9	0.254	1.80	0.0968	3/3/2021@7:03:15 PM
	Known Conc:		100			
CCB	1	S10	-6.69e-3	-0.0255	-7.80e-4	3/3/2021@7:04:41 PM
	Known Conc:		100			
480-181377-f-1-a	1	11	10.2	71.0	3.44	3/3/2021@7:06:08 PM
480-181377-f-2-a	1	12	-0.0486	-0.319	-7.32e-3	3/3/2021@7:07:34 PM
480-181377-f-3-a	1	13	-9.06e-3	-0.0421	-1.57e-3	3/3/2021@7:08:59 PM
480-181377-f-4-a	1	14	0.0718	0.523	0.0345	3/3/2021@7:10:26 PM
480-181416-u-1-a	1	15	-2.73e-4	0.0193	1.03e-3	3/3/2021@7:11:51 PM
480-181441-e-1-a	1	16	-4.91e-3	-0.0131	-1.04e-3	3/3/2021@7:13:19 PM
480-181441-e-2-a	1	17	0.148	1.06	0.0544	3/3/2021@7:14:46 PM
480-181441-e-3-a	1	18	8.61e-4	0.0273	1.76e-3	3/3/2021@7:16:13 PM
480-181441-e-4-a	1	19	0.0127	0.110	3.52e-3	3/3/2021@7:17:41 PM
480-181441-e-5-a	1	20	4.44e-4	0.0243	1.61e-3	3/3/2021@7:19:07 PM
CCV	1	S9	0.266	1.88	0.102	3/3/2021@7:20:33 PM
	Known Conc:		100			
CCB	1	S10	1.85e-3	0.0342	1.08e-3	3/3/2021@7:22:00 PM
	Known Conc:		100			
480-181441-e-6-a	1	21	1.33e-3	0.0306	1.27e-3	3/3/2021@7:23:27 PM
480-181441-e-6-b ms	1	22	0.0918	0.663	0.0347	3/3/2021@7:24:53 PM
480-181377-f-1-a^100	1	23	0.0589	0.433	0.0227	3/3/2021@7:26:20 PM
480-181377-f-1-a^50	1	24	0.119	0.854	0.0464	3/3/2021@7:27:47 PM
CCV	1	S9	0.249	1.76	0.0945	3/3/2021@7:29:12 PM
	Known Conc:		100			
CCB	1	S10	-2.25e-3	5.54e-3	4.55e-4	3/3/2021@7:30:39 PM
	Known Conc:		100			

50µL to 5mL
100µL to 5mL

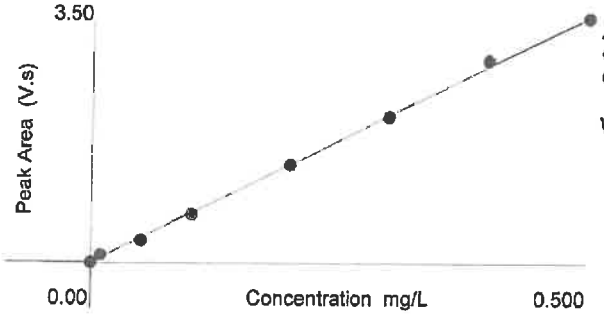
Author: BufLachat2

Date : 3/3/2021

Table : 1 (Cyanide)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	0.500	1	3.50	0.191	0.0	0.2	0.498	2/24/2021	5:38:49 PM
2	0.400	1	2.89	0.157	0.0	-2.7	0.410	2/24/2021	5:40:15 PM
3	0.300	1	2.09	0.115	0.0	1.1	0.296	2/24/2021	5:41:42 PM
4	0.200	1	1.42	0.0769	0.0	0.1	0.199	2/24/2021	5:43:09 PM
5	0.100	1	0.690	0.0372	0.0	4.0	0.0957	2/24/2021	5:44:36 PM
6	0.0500	1	0.330	0.0178	0.0	10.9	0.0442	2/24/2021	5:46:04 PM
7	0.0100	1	0.118	4.58e-3	0.0	-28.5	0.0138	2/24/2021	5:47:32 PM
8	0.00	1	5.67e-3	7.80e-4			-2.23e-3	2/24/2021	5:48:58 PM

Figure : 1 (Cyanide)



Area = 6.98 * Conc + 0.0217
Conc = 0.143 * Area - 3.04e-3
Correlation Coefficient (r) = 0.99981

Weighting : 1/x

Historical Data Summary Report

For Batch 571255

Lab Sample ID	Client Sample	Method	Analyte	Prep Type	Unit	Data Points	Dilution	Result	Fail	3-Sigma Limits	Fail	Client Limits
480-181377-F-1-A ^	DTM8	9012B	Cyanide, Total	Total/NA	mg/L	1	50.0	6.0	☑	0.2 - 0.2	☑	0.16 - 0.24
480-181377-F-2-A	PLER-1	9012B	Cyanide, Total	Total/NA	mg/L	3	1.0	ND	☐	0 - 0	☐	0 - 0
480-181377-F-3-A	PLER-2	9012B	Cyanide, Total	Total/NA	mg/L	3	1.0	ND	☐	0 - 0	☐	0 - 0
480-181377-F-4-A	DTM7	9012B	Cyanide, Total	Total/NA	mg/L	1	1.0	0.072	☑	0.068 - 0.068	☐	0.054 - 0.082
480-181416-U-1-A	SLA-5	9012B	Cyanide, Total	Total/NA	mg/L	5	1.0	ND	☐	0 - 0.019	☐	0 - 0.012

less than 3 pts historical

03/05/2021

1A 571094 Non-amenables

Analyst: AT Date: 3-2-21
TALS Batch #: _____

Eurofins TestAmerica BUFFALO
Cyanide Micro-Distillation Logbook **Logbook # A20-41**

Job #	Sample I.D.	Dist. Flask	Sample Volume (mL)	Soil Weight (g)	Spike Volume	If Spiked Please Check:	Comments
MB	Blank	1	6				
LCS	.400	2			6 mL	✓	
LCS	.250	3			6 mL	✓	
CCVL	.100	4			6 mL	✓	
181367	D4	5					
	D4 Du	6					
	D5	7					
	D5 MS	8			60 mL	✓	
181362	C1	9					NA
	C2	10					NA
181377	F1	11					
	F2	12					
	F3	13					
	F4	14					
181416	U1	15					
181441	E1	16					
	E2	17					
	E3	18					
	E4	19					
	E5	20					
	E6	21					
	E6 MS	22	↓		60 mL	✓	

Start Time: _____
End Time: _____
Cl₂ Check: ✓
H₂S Check: _____

0.400 mg/L Complex CN LCS: 6350317
0.250 mg/L Complex CN LCS: 6350321
0.100 mg/L Free CN CCVL: 6350322
10 ppm Complex CN MS: 6350323
10 ppm Free CN MS: _____
ERA Soil Lot: _____

1.0 N NaOH: _____
7.11M H_2SO_4 / 0.79M $MgCl_2$: _____
H_2NSO_3: 6266980
$NaCH_3COO$: _____
$ZnCH_3COO$: _____

SimpleDist Block B **: Set Temp. (°C):** 120 **Measured Start Temp. (°C):** 120 **Measured End Temp. (°C):** 120

Reviewed By: AT **Date:** 3-2-21

Cyanide Micro Distillation BF-WC-CMDL-032
Rev. 1 December 29, 2020

ON: 19:40
OFF: 20:10

24/200

03/04/2021
03/05/2021

571255

Solutions:

Potassium Phosphate Buffer	**6341262**	**Exp: 08/18/2021**
Pyridine Barbituric Acid	**6344172**	**Exp: 03/03/2021**
Chloramine-T	**6352219**	**Exp: 03/04/2021**
50ppm INT STD	**6344174**	**Exp: 03/03/2021**
CN .25ppm CCV Std	**6344178**	**Exp: 03/03/2021**
50ppm Secondary source INT STD	**6344176**	**Exp: 03/03/2021**

LCS = 0.4mg/L, 0.25mg/L
CCV = 0.25mg/L
MS/MSD = 0.1mg/L

Cyanide Curve Lachat 2 : 02/24/2021
Curve Standard(50 ppm) : 6344174
ICV (0.250 ppm): 6344177

571255

Author: BufLachat2

Date : 3/3/2021

Original Run Filename: OM_3-3-2021_06-43-31PM.OMN Created: 3/3/2021 6:43:31 PM
Original Run Author's Signature: [BufLachat2]
Current Run Filename: OM_3-3-2021_06-43-31PM.OMN Last Modified: 3/3/2021 7:33:36 PM
Current Run Author's Signature: [BufLachat2]
Description: 10-204-00-1-A

Sample	Rep.	Cup No.	Channel 1 Cyanide Conc. (mg/L)	Area (V.s)	Height (V)	Detection Time
CCV	1	S9	0.275	1.94	0.105	3/3/2021@6:44:13 PM
Known Conc:			1.50			
Calibration:			Table/Fig. : 1			
CCB	1	S10	-3.62e-3	-4.09e-3	5.78e-4	3/3/2021@6:45:39 PM
Known Conc:			0.00			
mb 480-571094/1-a	1	1	-6.09e-3	-0.0214	-4.53e-4	3/3/2021@6:47:56 PM
lcs 480-571094/2-a	1	2	0.399	2.81	0.147	3/3/2021@6:49:23 PM
lcs 480-571094/3-a	1	3	0.257	1.82	0.0953	3/3/2021@6:50:50 PM
ccvl 480-571094/4-a	1	4	0.0980	0.707	0.0364	3/3/2021@6:52:17 PM
480-181367-d-4-a	1	5	-8.77e-4	0.0151	9.02e-4	3/3/2021@6:54:36 PM
480-181367-d-4-b du	1	6	-1.88e-3	8.07e-3	8.95e-4	3/3/2021@6:56:02 PM
480-181367-d-5-a	1	7	3.93e-3	0.0487	1.88e-3	3/3/2021@6:57:29 PM
480-181367-d-5-b ms	1	8	0.0825	0.598	0.0298	3/3/2021@6:58:56 PM
480-181362-c-1-a;NA	1	9	9.30e-3	0.0863	4.81e-3	3/3/2021@7:00:22 PM
480-181362-c-2-a;NA	1	10	4.10e-4	0.0241	1.28e-3	3/3/2021@7:01:49 PM
CCV	1	S9	0.254	1.80	0.0968	3/3/2021@7:03:15 PM
Known Conc:			100			
CCB	1	S10	-6.69e-3	-0.0255	-7.80e-4	3/3/2021@7:04:41 PM
Known Conc:			100			
480-181377-f-1-a	1	11	10.2	71.0	3.44	3/3/2021@7:06:08 PM
480-181377-f-2-a	1	12	-0.0486	-0.319	-7.32e-3	3/3/2021@7:07:34 PM
480-181377-f-3-a	1	13	-9.06e-3	-0.0421	-1.57e-3	3/3/2021@7:08:59 PM
480-181377-f-4-a	1	14	0.0718	0.523	0.0345	3/3/2021@7:10:26 PM
480-181416-u-1-a	1	15	-2.73e-4	0.0193	1.03e-3	3/3/2021@7:11:51 PM
480-181441-e-1-a	1	16	-4.91e-3	-0.0131	-1.04e-3	3/3/2021@7:13:19 PM
480-181441-e-2-a	1	17	0.148	1.06	0.0544	3/3/2021@7:14:46 PM
480-181441-e-3-a	1	18	8.61e-4	0.0273	1.76e-3	3/3/2021@7:16:13 PM
480-181441-e-4-a	1	19	0.0127	0.110	3.52e-3	3/3/2021@7:17:41 PM
480-181441-e-5-a	1	20	4.44e-4	0.0243	1.61e-3	3/3/2021@7:19:07 PM
CCV	1	S9	0.266	1.88	0.102	3/3/2021@7:20:33 PM
Known Conc:			100			
CCB	1	S10	1.85e-3	0.0342	1.08e-3	3/3/2021@7:22:00 PM
Known Conc:			100			
480-181441-e-6-a	1	21	1.33e-3	0.0306	1.27e-3	3/3/2021@7:23:27 PM
480-181441-e-6-b ms	1	22	0.0918	0.663	0.0347	3/3/2021@7:24:53 PM
480-181377-f-1-a^100	1	23	0.0589	0.433	0.0227	3/3/2021@7:26:20 PM
480-181377-f-1-a^50	1	24	0.119	0.854	0.0464	3/3/2021@7:27:47 PM
CCV	1	S9	0.249	1.76	0.0945	3/3/2021@7:29:12 PM
Known Conc:			100			
CCB	1	S10	-2.25e-3	5.54e-3	4.55e-4	3/3/2021@7:30:39 PM
Known Conc:			100			

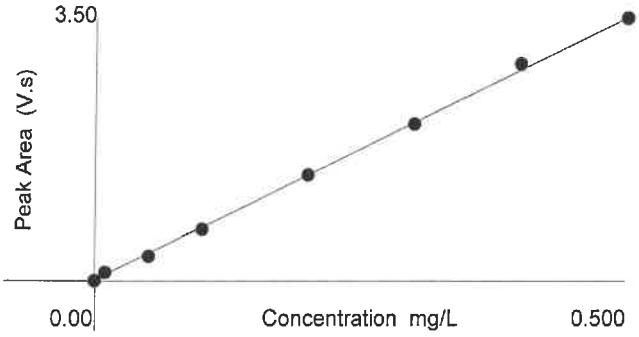
50µL T 5mL
100µL T 5mL

Author: BufLachat2 Date : 3/3/2021

Table : 1 (Cyanide)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	0.500	1	3.50	0.191	0.0	0.2	0.498	2/24/2021	5:38:49 PM
2	0.400	1	2.89	0.157	0.0	-2.7	0.410	2/24/2021	5:40:15 PM
3	0.300	1	2.09	0.115	0.0	1.1	0.296	2/24/2021	5:41:42 PM
4	0.200	1	1.42	0.0769	0.0	0.1	0.199	2/24/2021	5:43:09 PM
5	0.100	1	0.690	0.0372	0.0	4.0	0.0957	2/24/2021	5:44:36 PM
6	0.0500	1	0.330	0.0178	0.0	10.9	0.0442	2/24/2021	5:46:04 PM
7	0.0100	1	0.118	4.58e-3	0.0	-28.5	0.0138	2/24/2021	5:47:32 PM
8	0.00	1	5.67e-3	7.80e-4			-2.23e-3	2/24/2021	5:48:58 PM

Figure : 1 (Cyanide)



Area = 6.98 * Conc + 0.0217
Conc = 0.143 * Area - 3.04e-3
Correlation Coefficient (r) = 0.99981

Weighting : 1/x

Historical Data Summary Report

For Batch 571255

Lab Sample ID	Client Sample	Method	Analyte	Prep Type	Unit	Data Points	Dilution	Result	Fail	3-Sigma Limits	Fail	Client Limits
480-181377-F-1-A ^1	DTM8	9012B	Cyanide, Total	Total/NA	mg/L	1	50.0	6.0	☑	0.2 - 0.2	☑	0.16 - 0.24
480-181377-F-2-A	PLER-1	9012B	Cyanide, Total	Total/NA	mg/L	3	1.0	ND	☐	0 - 0	☐	0 - 0
480-181377-F-3-A	PLER-2	9012B	Cyanide, Total	Total/NA	mg/L	3	1.0	ND	☐	0 - 0	☐	0 - 0
480-181377-F-4-A	DTM7	9012B	Cyanide, Total	Total/NA	mg/L	1	1.0	0.072	☑	0.068 - 0.068	☐	0.054 - 0.082
480-181416-U-1-A	SLA-5	9012B	Cyanide, Total	Total/NA	mg/L	5	1.0	ND	☐	0 - 0.019	☐	0 - 0.012

less than 3pts historical

1A 571094 Non-amenables

Analyst: AT Date: 3-2-21
TALS Batch #: _____

Eurofins TestAmerica BUFFALO
Cyanide Micro-Distillation Logbook **Logbook # A20-41**

Job #	Sample I.D.	Dist. Flask	Sample Volume (mL)	Soil Weight (g)	Spike Volume	If Spiked Please Check:	Comments
MB	Blank	1	6				
LCS	.400	2			6 mL	✓	
LCS	.250	3			6 mL	✓	
CCVL	.100	4			6 mL	✓	
181367	D4	5					
	D4 Du	6					
	D5	7					
	D5 MS	8			60 mL	✓	
181362	C1	9					NA
	C2	10					NA
181377	F1	11					
	F2	12					
	F3	13					
	F4	14					
181416	U1	15					
181441	E1	16					
	E2	17					
	E3	18					
	E4	19					
	E5	20					
	E6	21					
	E6 MS	22	↓		60 mL	✓	

Start Time: _____
End Time: _____
Cl_2 Check: ✓
H_2S Check: _____

0.400 mg/L Complex CN LCS: 6350317
0.250 mg/L Complex CN LCS: 6350321
0.100 mg/L Free CN CCVL: 6350322
10 ppm Complex CN MS: 6350323
10 ppm Free CN MS: _____
ERA Soil Lot: _____

1.0 N NaOH: _____
7.11M H_2SO_4 / 0.79M $MgCl_2$: _____
H_2NSO_3: 626980
$NaCH_3COO$: _____
$ZnCH_3COO$: _____

SimpleDist Block B : Set Temp. (°C): 120 Measured Start Temp. (°C): 120 Measured End Temp. (°C): 120

Reviewed By: AT Date: 3-2-21

Cyanide Micro Distillation BF-WC-CMDL-032
Rev. 1 December 29, 2020

ON 19:40
OFF 20:10

24/200

03/05/2021

571259

Solutions:

Potassium Phosphate Buffer	6341262	Exp: 08/18/2021
Pyridine Barbituric Acid	6344172	Exp: 03/03/2021
Chloramine-T	6352219	Exp: 03/04/2021
50ppm INT STD	6344174	Exp: 03/03/2021
CN .25ppm CCV Std	6344178	Exp: 03/03/2021
50ppm Secondary source INT STD	6344176	Exp: 03/03/2021

LCS = 0.4mg/L, 0.25mg/L
CCV = 0.25mg/L
MS/MSD = 0.1mg/L

Cyanide Curve Lachat 2 : 02/24/2021
Curve Standard(50 ppm) : 6344174
ICV (0.250 ppm): 6344177

Amanda 03/04/2021

571259

Author: BufLachat2

Date : 3/3/2021

Original Run Filename: OM_3-3-2021_07-42-33PM.OMN Created: 3/3/2021 7:42:33 PM
Original Run Author's Signature: [BufLachat2]
Current Run Filename: OM_3-3-2021_07-42-33PM.OMN Last Modified: 3/3/2021 8:29:08 PM
Current Run Author's Signature: [BufLachat2]
Description: 10-204-00-1-A

Sample	Rep.	Cup No.	Channel 1 Cyanide Conc. (mg/L)	Area (V.s)	Height (V)	Detection Time
CCV	1	S9	0.272	1.92	0.104	3/3/2021@7:43:15 PM
	Known Conc:		1.50			
	Calibration:		Table/Fig. : 1			
CCB	1	S10	-6.37e-3	-0.0233	-9.61e-4	3/3/2021@7:44:42 PM
	Known Conc:		0.00			
mb 480-571095/1-a	1	1	-6.10e-3	-0.0214	-9.22e-4	3/3/2021@7:47:12 PM
lcs 480-571095/2-a	1	2	0.256	1.81	0.0941	3/3/2021@7:48:39 PM
ccvl 480-571095/3-a	1	3	0.0953	0.688	0.0352	3/3/2021@7:50:07 PM
480-181441-e-8-a	1	4	0.0875	0.633	0.0326	3/3/2021@7:51:33 PM
480-181441-e-8-b ms	1	5	0.196	1.39	0.0729	3/3/2021@7:53:00 PM
480-181441-e-8-c msd	1	6	0.192	1.36	0.0708	3/3/2021@7:54:27 PM
480-181441-e-7-a	1	7	-7.66e-4	0.0159	6.30e-4	3/3/2021@7:55:54 PM
480-181441-e-9-a	1	8	-7.68e-5	0.0207	9.25e-4	3/3/2021@7:57:21 PM
480-181441-e-10-a	1	9	5.42e-3	0.0591	2.69e-3	3/3/2021@7:58:47 PM
480-181441-e-11-a	1	10	1.54e-3	0.0320	1.56e-3	3/3/2021@8:00:13 PM
CCV	1	S9	0.269	1.90	0.103	3/3/2021@8:01:40 PM
	Known Conc:		100			
CCB	1	S10	-5.62e-3	-0.0181	-6.44e-4	3/3/2021@8:03:06 PM
	Known Conc:		100			
480-181441-e-12-a	1	11	4.12e-3	0.0501	2.04e-3	3/3/2021@8:04:32 PM
480-181463-u-1-a	1	12	5.09e-3	0.0568	2.02e-3	3/3/2021@8:05:59 PM
480-181482-e-1-a	1	13	0.0161	0.134	6.00e-3	3/3/2021@8:07:25 PM
480-181481-d-1-a	1	14	7.99e-4	0.0268	7.72e-4	3/3/2021@8:08:50 PM
480-181481-d-2-a	1	15	8.07e-5	0.0218	1.39e-3	3/3/2021@8:10:16 PM
480-181481-d-3-a	1	16	2.93e-4	0.0233	9.55e-4	3/3/2021@8:11:44 PM
480-181481-d-4-a	1	17	-5.20e-3	-0.0151	-5.22e-4	3/3/2021@8:13:11 PM
480-181481-d-5-a	1	18	3.32e-4	0.0236	1.23e-3	3/3/2021@8:14:38 PM
480-181481-d-6-a	1	19	1.10e-3	0.0289	8.66e-4	3/3/2021@8:16:05 PM
480-181481-d-7-a	1	20	-2.61e-4	0.0194	9.77e-4	3/3/2021@8:17:32 PM
CCV	1	S9	0.253	1.79	0.0968	3/3/2021@8:18:58 PM
	Known Conc:		100			
CCB	1	S10	-2.75e-3	1.99e-3	5.15e-4	3/3/2021@8:20:25 PM
	Known Conc:		100			
480-181481-d-8-a	1	21	1.35e-5	0.0213	1.02e-3	3/3/2021@8:21:52 PM
480-181481-d-8-b ms	1	22	0.113	0.808	0.0422	3/3/2021@8:23:18 PM
CCV	1	S9	0.264	1.87	0.101	3/3/2021@8:24:44 PM
	Known Conc:		100			
CCB	1	S10	-4.07e-3	-7.25e-3	-6.64e-4	3/3/2021@8:26:11 PM
	Known Conc:		100			

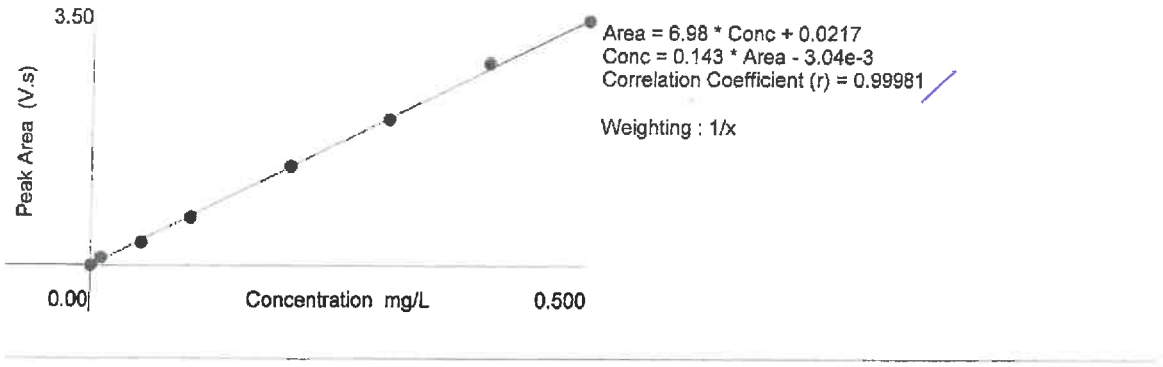
Table : 1 (Cyanide)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	0.500	1	3.50	0.191	0.0	0.2	0.498	2/24/2021	5:38:49 PM
2	0.400	1	2.89	0.157	0.0	-2.7	0.410	2/24/2021	5:40:15 PM
3	0.300	1	2.09	0.115	0.0	1.1	0.296	2/24/2021	5:41:42 PM
4	0.200	1	1.42	0.0769	0.0	0.1	0.199	2/24/2021	5:43:09 PM
5	0.100	1	0.690	0.0372	0.0	4.0	0.0957	2/24/2021	5:44:36 PM
6	0.0500	1	0.330	0.0178	0.0	10.9	0.0442	2/24/2021	5:46:04 PM
7	0.0100	1	0.118	4.58e-3	0.0	-28.5	0.0138	2/24/2021	5:47:32 PM
8	0.00	1	5.67e-3	7.80e-4			-2.23e-3	2/24/2021	5:48:58 PM

Author: BufLachat2

Date : 3/3/2021

Figure : 1 (Cyanide)



Historical Data Summary Report

For Batch 571259

Lab Sample ID	Client Sample	Method	Analyte	Prep Type	Unit	Data Points	Dilution	Result	Fail	3-Sigma Limits	Fail	Client Limits
480-181463-U-1-A	PLA-5	9012B	Cyanide, Total	Total/NA	mg/L	5	1.0	0.0051	☐	0 - 0.031	☐	0 - 0.02
480-181481-D-1-A	G11U	335.4	Total Cyanide	Total/NA	mg/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-181481-D-2-A	G37M	335.4	Total Cyanide	Total/NA	mg/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-181481-D-3-A	G36M	335.4	Total Cyanide	Total/NA	mg/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-181481-D-4-A	G35U	335.4	Total Cyanide	Total/NA	mg/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-181481-D-5-A	G10U	335.4	Total Cyanide	Total/NA	mg/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-181481-D-6-A	R27U	335.4	Total Cyanide	Total/NA	mg/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-181481-D-7-A	R28M	335.4	Total Cyanide	Total/NA	mg/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-181481-D-8-A	G22U	335.4	Total Cyanide	Total/NA	mg/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-181482-E-1-A	L118	335.4	Cyanide, Total	Total/NA	mg/L	8	1.0	0.016	☑	0.016 - 0.033	☐	0.016 - 0.034

1B 57/095

Analyst: AT Date: 3-2-21
TALS Batch #: _____

Eurofins TestAmerica BUFFALO
Cyanide Micro-Distillation Logbook **Logbook # A20-41**

Job #	Sample I.D.	Dist. Flask	Sample Volume (mL)	Soil Weight (g)	Spike Volume	If Spiked Please Check:	Comments
MB	Blank	1	6				
LCS	.250	2			6 mL	✓	
CCVL	.100	3			6 mL	✓	
181441	E8	4					
	E8 MS	5			60 µL	✓	
	E8 MSD	6			60 µL	✓	
	E7	7					
	E9	8					
	E10	9					
	E11	10					
	E12	11					
181463	U1	12					
181482	E1	13					
181481	D1	14					
	D2	15					
	D3	16					
	D4	17					
	D5	18					
	D6	19					
	D7	20					
	D8	21					
	D8 MS	22			60 µL	✓	

Start Time: _____
End Time: _____

Cl Check: ✓
H2S Check: ✓

0.400 mg/L Complex CN LCS: _____
0.250 mg/L Complex CN LCS: 6350321
0.100 mg/L Free CN CCVL: 6350322
10 ppm Complex CN MS: 6350323
10 ppm Free CN MS: _____
ERA Soil Lot: _____

1.0 N NaOH: _____
7.11M H_2SO_4 / 0.79M $MgCl_2$: _____
H_2NSO_3: 62669B0
$NaCH_3COO$: _____
$ZnCH_3COO$: _____

SimpleDist Block A : Set Temp. (°C): 121 Measured Start Temp. (°C): 121 Measured End Temp. (°C): 121

Reviewed By: AT Date: 3-2-21

ON: 19:45
OFF: 20:15

Cyanide Micro Distillation BF-WC-CMDL-032
Rev. 1 December 29, 2020

25/200

571259

Solutions:

Potassium Phosphate Buffer	6341262	Exp: 08/18/2021
Pyridine Barbituric Acid	6344172	Exp: 03/03/2021
Chloramine-T	6352219	Exp: 03/04/2021
50ppm INT STD	6344174	Exp: 03/03/2021
CN .25ppm CCV Std	6344178	Exp: 03/03/2021
50ppm Secondary source INT STD	6344176	Exp: 03/03/2021

LCS = 0.4mg/L, 0.25mg/L
CCV = 0.25mg/L
MS/MSD = 0.1mg/L

Cyanide Curve Lachat 2 : 02/24/2021
Curve Standard(50 ppm) : 6344174
ICV (0.250 ppm): 6344177

571259

Author: BufLachat2

Date : 3/3/2021

Original Run Filename: OM_3-3-2021_07-42-33PM.OMN Created: 3/3/2021 7:42:33 PM
Original Run Author's Signature: [BufLachat2]
Current Run Filename: OM_3-3-2021_07-42-33PM.OMN Last Modified: 3/3/2021 8:29:08 PM
Current Run Author's Signature: [BufLachat2]
Description: 10-204-00-1-A

Sample	Rep.	Cup No.	Channel 1 Cyanide Conc. (mg/L)	Area (V.s)	Height (V)	Detection Time
CCV	1	S9	0.272	1.92	0.104	3/3/2021@7:43:15 PM
Known Conc:			1.50			
Calibration:			Table/Fig. : 1			
CCB	1	S10	-6.37e-3	-0.0233	-9.61e-4	3/3/2021@7:44:42 PM
Known Conc:			0.00			
mb 480-571095/1-a	1	1	-6.10e-3	-0.0214	-9.22e-4	3/3/2021@7:47:12 PM
lcs 480-571095/2-a	1	2	0.256	1.81	0.0941	3/3/2021@7:48:39 PM
ccvl 480-571095/3-a	1	3	0.0953	0.688	0.0352	3/3/2021@7:50:07 PM
480-181441-e-8-a	1	4	0.0875	0.633	0.0326	3/3/2021@7:51:33 PM
480-181441-e-8-b ms	1	5	0.196	1.39	0.0729	3/3/2021@7:53:00 PM
480-181441-e-8-c msd	1	6	0.192	1.36	0.0708	3/3/2021@7:54:27 PM
480-181441-e-7-a	1	7	-7.66e-4	0.0159	6.30e-4	3/3/2021@7:55:54 PM
480-181441-e-9-a	1	8	-7.68e-5	0.0207	9.25e-4	3/3/2021@7:57:21 PM
480-181441-e-10-a	1	9	5.42e-3	0.0591	2.69e-3	3/3/2021@7:58:47 PM
480-181441-e-11-a	1	10	1.54e-3	0.0320	1.56e-3	3/3/2021@8:00:13 PM
CCV	1	S9	0.269	1.90	0.103	3/3/2021@8:01:40 PM
Known Conc:			100			
CCB	1	S10	-5.62e-3	-0.0181	-6.44e-4	3/3/2021@8:03:06 PM
Known Conc:			100			
480-181441-e-12-a	1	11	4.12e-3	0.0501	2.04e-3	3/3/2021@8:04:32 PM
480-181463-u-1-a	1	12	5.09e-3	0.0568	2.02e-3	3/3/2021@8:05:59 PM
480-181482-e-1-a	1	13	0.0161	0.134	6.00e-3	3/3/2021@8:07:25 PM
480-181481-d-1-a	1	14	7.99e-4	0.0268	7.72e-4	3/3/2021@8:08:50 PM
480-181481-d-2-a	1	15	8.07e-5	0.0218	1.39e-3	3/3/2021@8:10:16 PM
480-181481-d-3-a	1	16	2.93e-4	0.0233	9.55e-4	3/3/2021@8:11:44 PM
480-181481-d-4-a	1	17	-5.20e-3	-0.0151	-5.22e-4	3/3/2021@8:13:11 PM
480-181481-d-5-a	1	18	3.32e-4	0.0236	1.23e-3	3/3/2021@8:14:38 PM
480-181481-d-6-a	1	19	1.10e-3	0.0289	8.66e-4	3/3/2021@8:16:05 PM
480-181481-d-7-a	1	20	-2.61e-4	0.0194	9.77e-4	3/3/2021@8:17:32 PM
CCV	1	S9	0.253	1.79	0.0968	3/3/2021@8:18:58 PM
Known Conc:			100			
CCB	1	S10	-2.75e-3	1.99e-3	5.15e-4	3/3/2021@8:20:25 PM
Known Conc:			100			
480-181481-d-8-a	1	21	1.35e-5	0.0213	1.02e-3	3/3/2021@8:21:52 PM
480-181481-d-8-b ms	1	22	0.113	0.808	0.0422	3/3/2021@8:23:18 PM
CCV	1	S9	0.264	1.87	0.101	3/3/2021@8:24:44 PM
Known Conc:			100			
CCB	1	S10	-4.07e-3	-7.25e-3	-6.64e-4	3/3/2021@8:26:11 PM
Known Conc:			100			

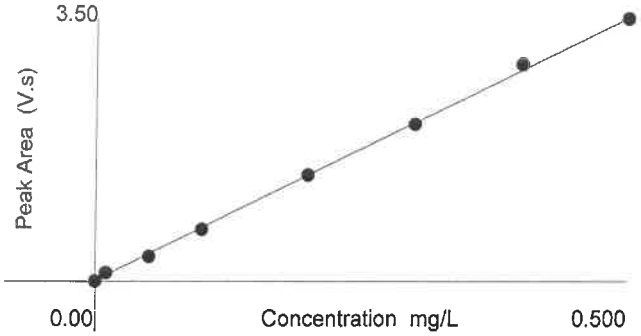
Table : 1 (Cyanide)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	0.500	1	3.50	0.191	0.0	0.2	0.498	2/24/2021	5:38:49 PM
2	0.400	1	2.89	0.157	0.0	-2.7	0.410	2/24/2021	5:40:15 PM
3	0.300	1	2.09	0.115	0.0	1.1	0.296	2/24/2021	5:41:42 PM
4	0.200	1	1.42	0.0769	0.0	0.1	0.199	2/24/2021	5:43:09 PM
5	0.100	1	0.690	0.0372	0.0	4.0	0.0957	2/24/2021	5:44:36 PM
6	0.0500	1	0.330	0.0178	0.0	10.9	0.0442	2/24/2021	5:46:04 PM
7	0.0100	1	0.118	4.58e-3	0.0	-28.5	0.0138	2/24/2021	5:47:32 PM
8	0.00	1	5.67e-3	7.80e-4			-2.23e-3	2/24/2021	5:48:58 PM

Author: BufLachat2

Date : 3/3/2021

Figure : 1 (Cyanide)



Area = 6.98 * Conc + 0.0217
Conc = 0.143 * Area - 3.04e-3
Correlation Coefficient (r) = 0.99981

Weighting : 1/x

Historical Data Summary Report

For Batch 571259

Lab Sample ID	Client Sample	Method	Analyte	Prep Type	Unit	Data Points	Dilution	Result	Fail	3-Sigma Limits	Fail	Client Limits
480-181463-U-1-A	PLA-5	9012B	Cyanide, Total	Total/NA	mg/L	5	1.0	0.0051	☐	0 - 0.031	☐	0 - 0.02
480-181481-D-1-A	G11U	335.4	Total Cyanide	Total/NA	mg/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-181481-D-2-A	G37M	335.4	Total Cyanide	Total/NA	mg/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-181481-D-3-A	G36M	335.4	Total Cyanide	Total/NA	mg/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-181481-D-4-A	G35U	335.4	Total Cyanide	Total/NA	mg/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-181481-D-5-A	G10U	335.4	Total Cyanide	Total/NA	mg/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-181481-D-6-A	R27U	335.4	Total Cyanide	Total/NA	mg/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-181481-D-7-A	R28M	335.4	Total Cyanide	Total/NA	mg/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-181481-D-8-A	G22U	335.4	Total Cyanide	Total/NA	mg/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-181482-E-1-A	L118	335.4	Cyanide, Total	Total/NA	mg/L	8	1.0	0.016	☑	0.016 - 0.033	☐	0.016 - 0.034

1B

57/095

Analyst: AT Date: 3-2-21
TALS Batch #: _____

Eurofins TestAmerica BUFFALO
Cyanide Micro-Distillation Logbook **Logbook # A20-41**

Job #	Sample I.D.	Dist. Flask	Sample Volume (mL)	Soil Weight (g)	Spike Volume	If Spiked Please Check:	Comments
MB	Blank	1	6				
LCS	.250	2			6 mL	✓	
CCVL	.100	3			6 mL	✓	
181441	E8	4					
	E8 MS	5			60 µL	✓	
	E8 MSD	6			60 µL	✓	
	E7	7					
	E9	8					
	E10	9					
	E11	10					
	E12	11					
181463	U1	12					
181482	E1	13					
181481	D1	14					
	D2	15					
	D3	16					
	D4	17					
	D5	18					
	D6	19					
	D7	20					
	D8	21					
	D8 MS	22			60 µL	✓	

Start Time: _____
End Time: _____

Cl₂ Check: ✓
H₂S Check: ✓

0.400 mg/L Complex CN LCS: _____
0.250 mg/L Complex CN LCS: 6350321
0.100 mg/L Free CN CCVL: 6350322
10 ppm Complex CN MS: 6350323
10 ppm Free CN MS: _____
ERA Soil Lot: _____

1.0 N NaOH: _____
7.11M H_2SO_4 / 0.79M $MgCl_2$: _____
H_2NSO_3: 6266980
$NaCH_3COO$: _____
$ZnCH_3COO$: _____

SimpleDist Block A **: Set Temp. (°C):** 121 **Measured Start Temp. (°C):** 121 **Measured End Temp. (°C):** 121

Reviewed By: AT **Date:** 3-2-21

Cyanide Micro Distillation BF-WC-CMDL-032
Rev. 1 December 29, 2020

ON: 19:45
OFF: 20:15

25/200

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Batch Number: 571094 Batch Start Date: 03/02/21 21:41 Batch Analyst: Toy, Amy L

Batch Method: 9012B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	10ppm CN MS 00157	CN 0.1 CCVL 00163	CN LCS 250 00175	LCS 400 00171
MB 480-571094/1		9012B, 9012B		6 mL	6 mL				
LCS 480-571094/2		9012B, 9012B		6 mL	6 mL				6 mL
LCS 480-571094/3		9012B, 9012B		6 mL	6 mL			6 mL	
CCVL 480-571094/4		9012B, 9012B		6 mL	6 mL		6 mL		
480-181441-E-1	MW-6D-022221	9012B, 9012B	T	6 mL	6 mL				
480-181441-E-2	MW5S-022221	9012B, 9012B	T	6 mL	6 mL				
480-181441-E-3	MW-5D-022221	9012B, 9012B	T	6 mL	6 mL				
480-181441-E-4	MW-3D-022321	9012B, 9012B	T	6 mL	6 mL				
480-181441-E-5	MW-3S-022321	9012B, 9012B	T	6 mL	6 mL				
480-181441-E-6	DUP-1-022321	9012B, 9012B	T	6 mL	6 mL				
480-181441-E-6 MS	DUP-1-022321	9012B, 9012B	T	6 mL	6 mL	60 uL			

Batch Notes	
Chlorination End Time	03/02/2021 19:40
Chlorination Start Time	03/02/2021 19:40
Distillation End Time	03/02/2021 20:10
Distillation Start Time	03/02/2021 19:40

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Batch Number: 571095 Batch Start Date: 03/02/21 21:51 Batch Analyst: Toy, Amy L

Batch Method: 9012B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	10ppm CN MS 00157	CN 0.1 CCVL 00163	CN LCS 250 00175	
MB 480-571095/1		9012B, 9012B		6 mL	6 mL				
LCS 480-571095/2		9012B, 9012B		6 mL	6 mL			6 mL	
CCVL 480-571095/3		9012B, 9012B		6 mL	6 mL		6 mL		
480-181441-E-8	MW-2S-022321	9012B, 9012B	T	6 mL	6 mL				
480-181441-E-8 MS	MW-2S-022321	9012B, 9012B	T	6 mL	6 mL	60 uL			
480-181441-E-8 MSD	MW-2S-022321	9012B, 9012B	T	6 mL	6 mL	60 uL			
480-181441-E-7	MW-1S-022221	9012B, 9012B	T	6 mL	6 mL				
480-181441-E-9	MW-2D-022321	9012B, 9012B	T	6 mL	6 mL				
480-181441-E-10	MW-4S-022221	9012B, 9012B	T	6 mL	6 mL				
480-181441-E-11	MW-6S-022221	9012B, 9012B	T	6 mL	6 mL				
480-181441-E-12	TMW-2D-022421	9012B, 9012B	T	6 mL	6 mL				

Batch Notes	
Chlorination End Time	03/02/2021 19:45
Chlorination Start Time	03/02/2021 19:45
Distillation End Time	03/02/2021 20:15
Distillation Start Time	03/02/2021 19:45

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Batch Number: 571255 Batch Start Date: 03/03/21 18:44 Batch Analyst: Toy, Amy L

Batch Method: 9012B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CN CCV 01436			
CCV 480-571255/1		9012B		5 mL	5 mL	# mL			
CCB 480-571255/2		9012B		5 mL	5 mL				
MB 480-571094/1-A		9012B		5 mL	5 mL				
LCS 480-571094/2-A		9012B		5 mL	5 mL				
LCS 480-571094/3-A		9012B		5 mL	5 mL				
CCVL 480-571094/4-A		9012B		5 mL	5 mL				
CCV 480-571255/13		9012B		5 mL	5 mL	# mL			
CCB 480-571255/14		9012B		5 mL	5 mL				
480-181441-E-1-A	MW-6D-022221	9012B	T	5 mL	5 mL				
480-181441-E-2-A	MW5S-022221	9012B	T	5 mL	5 mL				
480-181441-E-3-A	MW-5D-022221	9012B	T	5 mL	5 mL				
480-181441-E-4-A	MW-3D-022321	9012B	T	5 mL	5 mL				
480-181441-E-5-A	MW-3S-022321	9012B	T	5 mL	5 mL				
CCV 480-571255/25		9012B		5 mL	5 mL	# mL			
CCB 480-571255/26		9012B		5 mL	5 mL				
480-181441-E-6-A	DUP-1-022321	9012B	T	5 mL	5 mL				
480-181441-E-6-B MS	DUP-1-022321	9012B	T	5 mL	5 mL				
CCV 480-571255/31		9012B		5 mL	5 mL	# mL			
CCB 480-571255/32		9012B		5 mL	5 mL				

Batch Notes	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Batch Number: 571255 Batch Start Date: 03/03/21 18:44 Batch Analyst: Toy, Amy L

Batch Method: 9012B Batch End Date:

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Batch Number: 571259 Batch Start Date: 03/03/21 19:43 Batch Analyst: Toy, Amy L

Batch Method: 9012B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CN CCV 01436			
CCV 480-571259/1		9012B		5 mL	5 mL	# mL			
CCB 480-571259/2		9012B		5 mL	5 mL				
MB 480-571095/1-A		9012B		5 mL	5 mL				
LCS 480-571095/2-A		9012B		5 mL	5 mL				
CCVL 480-571095/3-A		9012B		5 mL	5 mL				
480-181441-E-8-A	MW-2S-022321	9012B	T	5 mL	5 mL				
480-181441-E-8-B MS	MW-2S-022321	9012B	T	5 mL	5 mL				
480-181441-E-8-C MSD	MW-2S-022321	9012B	T	5 mL	5 mL				
480-181441-E-7-A	MW-1S-022221	9012B	T	5 mL	5 mL				
480-181441-E-9-A	MW-2D-022321	9012B	T	5 mL	5 mL				
480-181441-E-10-A	MW-4S-022221	9012B	T	5 mL	5 mL				
480-181441-E-11-A	MW-6S-022221	9012B	T	5 mL	5 mL				
CCV 480-571259/13		9012B		5 mL	5 mL	# mL			
CCB 480-571259/14		9012B		5 mL	5 mL				
480-181441-E-12-A	TMW-2D-022421	9012B	T	5 mL	5 mL				
CCV 480-571259/25		9012B		5 mL	5 mL	# mL			
CCB 480-571259/26		9012B		5 mL	5 mL				

Batch Notes	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Batch Number: 571259 Batch Start Date: 03/03/21 19:43 Batch Analyst: Toy, Amy L

Batch Method: 9012B Batch End Date:

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Subcontract Data

Shipping and Receiving Documents

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing America

Syracuse #225

Client Information	Sampler: M. ONeill / P. McHugh	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-157042-34603.1
Client Contact: Mr. John Ruspantini	Phone: 315-569-4616	E-Mail: John.Schove@Eurofinset.com	State of Origin:	Page: Page 1 of 2
Company: New York State Electric & Gas	PWSID:			Job #:
Address: 18 Link Drive	Due Date Requested:			
City: Binghamton	TAT Requested (days): Standard			
State, Zip: NY, 13902	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order Requested			
Email: jjruspantini@nyseg.com	WO #: NYSEG/John Ruspantini			
Project Name: NYSEG - Penn Yan Water St. MGP	Project #: 48023403			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

480-181441 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA - PFAS, Standard List (21 analytes)	8270D - PAH Semivolatiles	8260C - BTEX	9012B - Cyanide, Total											Special Instructions/Note:
Preservation Code:							N	N	A	B											
MW-6D-022221	2-22-21	1120	G	Water		N	X	X	X	X										8	PFAS @ 1130
MW-5S-022221	2-22-21	1150	G	Water		N	X	X	X	X										8	
MW-5D-022221	2-22-21	1050	G	Water		N	X	X	X	X										8	
MW-3D-022321	2-23-21	1455	G	Water		N	X	X	X	X										8	
MW-3S-022321	2-23-21	1355	G	Water		N	X	X	X	X										8	
DUP1-022321	2-23-21	1400	G	Water		N	X	X	X	X										8	
MW-1S-022221	2-22-21	1245	G	Water		N	X	X	X	X										8	
MW-2S-022321 (MS/MSD)	2-23-21	1520	G	Water		Y	X	X	X	X										8	24 MS/MSD
MW-2D-022321	2-23-21	1620	G	Water		N	X	X	X	X										8	
MW-4S-022221	2-22-21	1420	G	Water		N	X	X	X	X										8	PFAS @ 1425
MW-6S-022221	2-22-21	1320	G	Water		N	X	X	X	X										8	PFAS @ 1330

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

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

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

Special Instructions/QC Requirements: PFAS → BUT FROM SYR; RE

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	2-24-21 1200	AECOM	[signature]	2-24-21, 1200	Eyn
Relinquished by: [signature]	Date/Time: 2-24-21, 1900	Company Eyn	Received by: [signature]	Date/Time: 2/25/21 1100	Company TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 2.2, 1.6 #1 ICE

Ver: 11/01/2020

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing America

Syracuse #225

Client Information	Sampler: M. ONeill / P. McHugh	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-157042-34603.2
Client Contact: Mr. John Ruspantini	Phone: 315-569-4616	E-Mail: John.Schove@Eurofinset.com	State of Origin:	Page: Page 2 of 2
Company: New York State Electric & Gas	PWSID:			Job #:
Address: 18 Link Drive	Due Date Requested:			
City: Binghamton	TAT Requested (days): Standard			
State, Zip: NY, 13902	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order Requested			
Email: jjruspantini@nyseg.com	WO #: NYSEG/John Ruspantini			
Project Name: NYSEG - Penn Yan Water St. MGP	Project #: 48023403			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA - PFAS, Standard List (21 analytes)	8270D - PAH Semivolatiles	8260C - BTEX	9012B - Cyanide, Total	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	A	B		
TMW-2D-022421	2-24-21	1020	G	Water		N	X	X	X	X	8	
EQUIP BLANK	2-23-21	1395	G	Water		N	X				2	
TRIP BLANK - PFAS				Water								
TRIP BLANK - HCL				Water								
				Water								
				Water								

RE: 2-24-21

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

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

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

Special Instructions/QC Requirements: PFAS → BVT FROM SYR. - RE

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	2-24-21 1200	AECOM	R. Enright	2-24-21, 1200	Eyn
Relinquished by: R. Enright	Date/Time: 2-24-21, 1900	Company Eyn	Received by: PGL	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 11/01/2020

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing America

Syracuse #225

Client Information	Sampler: M. ONeill / P. McHugh	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-157042-34603.1
Client Contact: Mr. John Ruspantini	Phone: 315-569-4616	E-Mail: John.Schove@Eurofinset.com	State of Origin:	Page: Page 1 of 2
Company: New York State Electric & Gas	PWSID:			Job #:
Address: 18 Link Drive	Due Date Requested:			
City: Binghamton	TAT Requested (days): Standard			
State, Zip: NY, 13902	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order Requested			
Email: jjruspantini@nyseg.com	WO #: NYSEG/John Ruspantini			
Project Name: NYSEG - Penn Yan Water St. MGP	Project #: 48023403			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate

480-181441 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA - PFAS, Standard List (21 analytes)	8270D - PAH Semivolatiles	8260C - BTEX	9012B - Cyanide, Total															Total Number of containers	Special Instructions/Note:
Preservation Code:							N	N	A	B																
MW-6D-022221	2-22-21	1120	G	Water		N	X	X	X	X															8	PFAS @ 1130
MW-5S-022221	2-22-21	1150	G	Water		N	X	X	X	X															8	
MW-5D-022221	2-22-21	1050	G	Water		N	X	X	X	X															8	
MW-3D-022321	2-23-21	1455	G	Water		N	X	X	X	X															8	
MW-3S-022321	2-23-21	1355	G	Water		N	X	X	X	X															8	
DUP1-022321	2-23-21	1400	G	Water		N	X	X	X	X															8	
MW-1S-022221	2-22-21	1245	G	Water		N	X	X	X	X															8	
MW-2S-022321 (MS/MSD)	2-23-21	1520	G	Water		Y	X	X	X	X															~~8~~ 24	MS/MSD
MW-2D-022321	2-23-21	1620	G	Water		N	X	X	X	X															8	
MW-4S-022221	2-22-21	1420	G	Water		N	X	X	X	X															8	PFAS @ 1425
MW-6S-022221	2-22-21	1320	G	Water		N	X	X	X	X															8	PFAS @ 1330

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

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

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

Special Instructions/QC Requirements: PFAS → BUT FROM SYR, RE

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	2-24-21 1200	Accon	[signature]	2-24-21, 1200	Eyn
2	[signature]	2-24-21, 1900	Eyn	[signature]	2/25/21 11:00	TABUR
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 11/01/2020

03/05/2021

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing America

Syracuse #225

Client Information	Sampler: M. ONeill / P. McHugh	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-157042-34603.2
Client Contact: Mr. John Ruspantini	Phone: 315-569-4616	E-Mail: John.Schove@Eurofinset.com	State of Origin:	Page: Page 2 of 2
Company: New York State Electric & Gas	PWSID:			Job #:
Address: 18 Link Drive	Due Date Requested:			
City: Binghamton	TAT Requested (days): Standard			
State, Zip: NY, 13902	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order Requested			
Email: jjruspantini@nyseg.com	WO #: NYSEG/John Ruspantini			
Project Name: NYSEG - Penn Yan Water St. MGP	Project #: 48023403			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA - PFAS, Standard List (21 analytes)	8270D - PAH Semivolatiles	8260C - BTEX	9012B - Cyanide, Total											Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	N	N	A	B											X	
TMW-2D-022421	2-24-21	1020	G	Water			N	X	X	X	X										8	
EQUIP BLANK	2-23-21	1335	G	Water			N	X													2	
TRIP BLANK - PFAS				Water																		
TRIP BLANK - HCL				Water																		
				Water																		
				Water																		

Rec'd 2-24-21

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

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

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

Special Instructions/QC Requirements: PFAS => BVT FROM SYR. - RE

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		2-24-21 1200	AECOM	R. Kingsley	2-24-21, 1800	Eurofins
2	R. Kingsley	2-24-21, 1900	Eurofins		2/25/21 11:00	TAS/BUF
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 11/01/2020


ORIGIN ID:SYRA (315) 431-0171
SYR SERVICE CENTER
EUROFINS TESTAMERICA
118 BOSS RD
SYRACUSE, NY 13211
UNITED STATES US
SHIP DATE: 24FEB21
ACTWGT: 38.00 LB MAN
CAD: 0883373/CAFE3407
BILL RECIPIENT
TO SAMPLE RECEIVING
TESTAMERICA BURLINGTON
530 COMMUNITY DRIVE SUITE 11
SOUTH BURLINGTON VT 05403
(802) 660-1990
REF: AECOM PYANN PFAS 1COOLER
FedEx
Express
THU - 25 FEB 10:30A
TRK# 0201 1870 7198 9680
PRIORITY OVERNIGHT
NL BTVA
05403
VT - US
BTV

Login Sample Receipt Checklist

Client: New York State Electric & Gas

Job Number: 480-181441-1

Login Number: 181441
List Number: 1
Creator: Stopa, Erik S

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	AECOM
Samples received within 48 hours of sampling.	False	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: New York State Electric & Gas

Job Number: 480-181441-1

Login Number: 181441
List Number: 2
Creator: Khudaier, Zahraa

List Source: Eurofins TestAmerica, Burlington
List Creation: 02/27/21 02:27 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	1520524
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.8ºC
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	MO, PM
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Appendix E – Data Usability Summary Report

Prepared for:
NYSEG
Binghamton, NY

Prepared by:
AECOM
Pittsburgh, PA
60648952.4
March 2021

March 17, 2021

Data Usability Summary Report

NYSEG/Penn Yan Former MGP Site
Groundwater Sampling Event
Eurofins Environment Testing America
Laboratory Data
February 2021
Final

Prepared for:
NYSEG
Binghamton, NY

Prepared by:
AECOM
Pittsburgh, PA
60648952.4
March 2021

Data Usability Summary Report

NYSEG/Penn Yan Former MGP Site
Groundwater Sampling Event
Eurofins Environment Testing America
Laboratory Data
February 2021
Final

Prepared By
Gregory Malzone, Project Chemist
AECOM
Gulf Tower
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Pittsburgh, PA 15219

Reviewed By
Robert Davis, Data Validator/Database Technician
AECOM
1360 Peachtree Street NE, Suite 500
Atlanta, GA 30309

Contents

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3.0 Polyfluorinated Alkyl Substances 3-1

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List of Appendices

Appendix A Glossary of Data Qualifier Codes

Appendix B Data Qualification Summaries

Appendix C Support Documentation

Executive Summary

Overview

Data validation was performed by Gregory A. Malzone of AECOM-Pittsburgh on one data package from Eurofins Environment Testing America, 10 Hazelwood Drive, Amherst, NY 14228-2298 (EETA-Buffalo) for the analysis of groundwater samples collected on February 22-24, 2021 at the NYSEG/Penn Yan, Water Street former manufactured gas plant (MGP) site.

The following analytical methods were requested on the chain-of-custody (CoC) records.

- Benzene, Toluene, Ethylbenzene and Total Xylenes (BTEX) by USEPA SW-846 Method 8260C
- Polynuclear Aromatic Hydrocarbons (PAHs) by USEPA SW-846 Method 8270D
- Polyfluorinated Alkyl Substances (PFAS) by USEPA Method 537 Modified Using LC/MS by Isotopic Dilution
- Total Cyanide by USEPA SW-846 Method 9012B

The PFAS determinations were performed at the Eurofins Environment Testing America in South Burlington, VT.

The data were evaluated for conformance to method specifications and qualifiers were applied using the USEPA Region 2 SOPs and the validation criteria set forth in the following USEPA guidance documents as they apply to the analytical procedures.

- *USEPA Contract Laboratory Program (CLP) National Functional Guidelines for Organic Superfund Methods Data Review*, EPA-540-R-2017-002, January 2017
- *USEPA Data Review and Validation Guidelines for Perfluoroalkyl Substances (PFASs) Analyzed Using EPA Method 537*, EPA 910-R-18-001, November 2018, Revision 1
- *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Methods Data Review*, EPA-540-R-2017-001, January 2017, as they apply to the analytical methods employed.

Field duplicate relative percent difference (RPD) review and applicable control limits were taken from the *USEPA Region I Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses*, December 1996 and *USEPA Region I Laboratory Data Validation Functional Guidelines for Evaluating Inorganics Analyses*, June 1988.

The samples were processed, and the results were reported under one sample delivery group (SDG) 480-181441-1. Table 1 provides a sample submittal list with the field IDs cross-referenced with the EETA-Buffalo IDs.

Table 1 - Sample Submittals – NYSEG/Penn Yan Former MGP Groundwater

Field ID	Laboratory ID	QC	Matrix	Date Sampled
MW-6D-022221	480-181441-1		Groundwater	02/22/21 11:20
MW-5S-022221	480-181441-2		Groundwater	02/22/21 11:50
MW-5D-022221	480-181441-3		Groundwater	02/22/21 10:50
MW-3D-022321	480-181441-4		Groundwater	02/23/21 14:55
MW-3S-022321	480-181441-5		Groundwater	02/23/21 13:55
DUP-1-022321	480-181441-6	MW-3S-022321	Groundwater (QC)	02/23/21 14:00
MW-1S-022221	480-181441-7		Groundwater	02/22/21 12:45
MW-2S-022321	480-181441-8	MS/MSD	Groundwater	02/23/21 15:20
MW-2D-022321	480-181441-9		Groundwater	02/23/21 16:20
MW-4S-022221	480-181441-10		Groundwater	02/22/21 14:20
MW-6S-022221	480-181441-11		Groundwater	02/22/21 13:20
TMW-2D-022421	480-181441-12		Groundwater	02/24/21 10:20
EQUIP BLANK	480-181441-13	rinsate blank	Aqueous (QC)	02/23/21 13:35
TRIP BLANK	480-181441-14	trip blank	Aqueous (QC)	02/24/21 00:00

Summary

Data quality for the organic analyses was evaluated by reviewing the following parameters: holding times, GC/MS tuning and performance standards, internal standards, initial and continuing calibrations, matrix spike/matrix spike duplicates (MS/MSD), surrogate recoveries, laboratory control standards (LCSs), laboratory blanks, laboratory and field duplicates, compound identification, and compound quantitation.

Inorganic data quality was evaluated by reviewing the following parameters: holding times, matrix spikes, initial calibrations, continuing calibration verification standard recoveries, contract required detection limit standard recoveries, laboratory control samples, ICP interference check sample recoveries, ICP serial dilution results, field and laboratory duplicates, laboratory blanks, and analyte quantitation.

All data have been determined to be useable for the purpose of assessing the presence/absence and quantitative concentrations of the compounds and analytes in the media tested (i.e., groundwater) as reported by Eurofins Environment Testing America. No data points were rejected. Completeness of 100% was achieved for this data set. This is within the goal of 90-100% and is acceptable.

A glossary of data qualifier definitions is included in Appendix A of this report. The data qualifier summaries are attached as Appendix B of this report.

Each noncompliance with specific data usability criteria that required data qualification is discussed below. Support documentation for data qualifications was included in Appendix C of this report.

1.0 Benzene, Toluene, Ethylbenzene and Total Xylenes

Matrix Spike Recoveries and RPDs: Sample MW-2S-022321 was designated in the field to be processed as a quality control sample, that is, as the MS/MSD. The RPD between the MW-2S-022321 MS and MSD recoveries for benzene was greater than the maximum advisory limit. The MW-2S-022321 MS and MSD recoveries for benzene were within the advisory limits and the benzene result for MW-2S-022321 was non-detect. No data qualification was required.

2.0 Polynuclear Aromatic Hydrocarbons

No data quality issues were noted. No data qualifications were required.

3.0 Polyfluorinated Alkyl Substances

No data quality issues were noted. No data qualifications were required.

4.0 Total Cyanide

No data quality issues were noted. No data qualifications were required.

5.0 Field Duplicate Precision

A field duplicate sample was collected at MW-3S-022321. The calculated RPDs and absolute differences are listed in Table 2 below. Field duplicate results were evaluated using the following criteria.

Organics: The RPD must be ≤ 30% for results greater than or equal to two times the reporting detection limit. If one of the results is non-detect or less than two times the reporting limit, and the duplicate is greater than two times the reporting detection limit, the difference between the parent and field duplicate results must be less than or equal to two times the reporting limit.

Inorganics: The RPD must be ≤ 30%, for results greater than or equal to five times the reporting limit. For results less than five times the reporting limit, the difference between the parent and field duplicate results must be less than or equal to two times the reporting limit.

Action applies only to the affected analyte in the duplicate sample pair.

Field sampling/laboratory precision and sample homogeneity were acceptable; no data qualification was required.

Table 2 - Field Duplicate Precision - NYSEG/Penn Yan Former MGP Groundwater

Parameter	Units	MW-3S		DUP-1		Abs. Diff.	RPD (%)	QUALs
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2)	ng/L	2.5	J	2.5	J	0	—	±2RL, None

RPD: Relative percent difference
Abs. Diff.: Absolute difference
QUALs: Qualifications
ng/L: nanograms per liter (ppt)

6.0 Notes

Matrix spike and matrix spike duplicates and laboratory duplicates that were performed on non-project samples were not evaluated because matrix similarity to project samples could not be assumed.

Positive results less than the RL, but greater than the MDL were qualified "J," as estimated concentrations, due to increased uncertainty near the detection limit. These "J" qualifiers were maintained in the data validation. Sample results reported between the MDL and RL are usable as estimated values with an unknown directional bias.

No dilutions were necessary for the requested analyses.

Sample Custody: Sample identifications, sample dates, and sample times on the chain of custody matched those found in the laboratory data package. The chain of custody was signed and dated, and proper chain of command was followed from field to laboratory with the following exceptions.

- The chain of custody did not include a sample date and time for the trip blank. The laboratory logged in the trip blank sample with the shipment date (2/24/21) and the sample time of "00:00" as they routinely do. The data reviewer manually edited the trip blank date and time to be "2-24-21" and "00:00" on the chain of custody.
- EELA-Buffalo inadvertently omitted a hyphen in one Penn Yan sample ID. "MW5S-022221" should be "MW-5S-022221".

Appendix A

Glossary of Data Qualifier Codes

Glossary of Data Qualifier Codes

U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte was positively identified. The associated numerical value is the approximate concentration of the analyte in the sample.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limit is approximated and may be inaccurate or imprecise.
J+	The result is an estimated quantity but may be biased high.
J-	The result is an estimated quantity but may be biased low.
R	The data are unusable. The sample results are rejected due to serious deficiencies in the ability to meet quality control criteria. The presence or absence of the analyte cannot be verified.
N	(Organics) The analysis indicates the presence of an analyte for which there is presumptive evidence to make a tentative identification.
NJ	(Organics) The analysis indicates the presence of an analyte that has been tentatively identified and the associated numerical value represents its approximate concentration.

Appendix B

Data Qualification Summaries

Client Sample ID: MW-6D-022221
Lab Sample ID: 480-181441-1

Date Collected: 02/22/21 11:20
Matrix: Water

Date Received: 02/25/21 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			02/27/21 13:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/27/21 13:06	1
Toluene	ND		1.0	0.51	ug/L			02/27/21 13:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/27/21 13:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*02/27/21 13:06*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*02/27/21 13:06*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*02/27/21 13:06*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*02/27/21 13:06*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.4	0.45	ug/L		02/26/21 09:50	03/01/21 19:14	1
Acenaphthylene	ND		5.4	0.41	ug/L		02/26/21 09:50	03/01/21 19:14	1
Anthracene	ND		5.4	0.30	ug/L		02/26/21 09:50	03/01/21 19:14	1
Benzo[a]anthracene	ND		5.4	0.39	ug/L		02/26/21 09:50	03/01/21 19:14	1
Benzo[a]pyrene	ND		5.4	0.51	ug/L		02/26/21 09:50	03/01/21 19:14	1
Benzo[b]fluoranthene	ND		5.4	0.37	ug/L		02/26/21 09:50	03/01/21 19:14	1
Benzo[g,h,i]perylene	ND		5.4	0.38	ug/L		02/26/21 09:50	03/01/21 19:14	1
Benzo[k]fluoranthene	ND		5.4	0.79	ug/L		02/26/21 09:50	03/01/21 19:14	1
Chrysene	ND		5.4	0.36	ug/L		02/26/21 09:50	03/01/21 19:14	1
Dibenz(a,h)anthracene	ND		5.4	0.46	ug/L		02/26/21 09:50	03/01/21 19:14	1
Fluoranthene	ND		5.4	0.43	ug/L		02/26/21 09:50	03/01/21 19:14	1
Fluorene	ND		5.4	0.39	ug/L		02/26/21 09:50	03/01/21 19:14	1
Indeno[1,2,3-cd]pyrene	ND		5.4	0.51	ug/L		02/26/21 09:50	03/01/21 19:14	1
Naphthalene	ND		5.4	0.83	ug/L		02/26/21 09:50	03/01/21 19:14	1
Phenanthrene	ND		5.4	0.48	ug/L		02/26/21 09:50	03/01/21 19:14	1
Pyrene	ND		5.4	0.37	ug/L		02/26/21 09:50	03/01/21 19:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*102*		*48 - 120*	*02/26/21 09:50*	*03/01/21 19:14*	*1*
Nitrobenzene-d5 (Surr)	*100*		*46 - 120*	*02/26/21 09:50*	*03/01/21 19:14*	*1*
p-Terphenyl-d14 (Surr)	*103*		*60 - 148*	*02/26/21 09:50*	*03/01/21 19:14*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.8	0.59	ng/L		03/03/21 08:24	03/03/21 20:04	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.5	0.64	ng/L		03/03/21 08:24	03/03/21 20:04	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.5	0.83	ng/L		03/03/21 08:24	03/03/21 20:04	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.5	0.71	ng/L		03/03/21 08:24	03/03/21 20:04	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8	0.56	ng/L		03/03/21 08:24	03/03/21 20:04	1
Perfluorobutanoic acid (PFBA)	ND		4.5	1.0	ng/L		03/03/21 08:24	03/03/21 20:04	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.43	ng/L		03/03/21 08:24	03/03/21 20:04	1
Perfluorodecanoic acid (PFDA)	ND		1.8	0.41	ng/L		03/03/21 08:24	03/03/21 20:04	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.41	ng/L		03/03/21 08:24	03/03/21 20:04	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8	0.35	ng/L		03/03/21 08:24	03/03/21 20:04	1

Client Sample ID: MW-6D-022221
Lab Sample ID: 480-181441-1

Date Collected: 02/22/21 11:20
Matrix: Water
Date Received: 02/25/21 11:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanoic acid (PFHpA)	ND		1.8	0.41	ng/L		03/03/21 08:24	03/03/21 20:04	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.60	ng/L		03/03/21 08:24	03/03/21 20:04	1
Perfluorohexanoic acid (PFHxA)	ND		1.8	0.74	ng/L		03/03/21 08:24	03/03/21 20:04	1
Perfluorononanoic acid (PFNA)	ND		1.8	0.52	ng/L		03/03/21 08:24	03/03/21 20:04	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.51	ng/L		03/03/21 08:24	03/03/21 20:04	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8	0.78	ng/L		03/03/21 08:24	03/03/21 20:04	1
Perfluorooctanoic acid (PFOA)	ND		1.8	0.88	ng/L		03/03/21 08:24	03/03/21 20:04	1
Perfluoropentanoic acid (PFPeA)	ND		1.8	0.97	ng/L		03/03/21 08:24	03/03/21 20:04	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8	0.53	ng/L		03/03/21 08:24	03/03/21 20:04	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8	0.38	ng/L		03/03/21 08:24	03/03/21 20:04	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.65	ng/L		03/03/21 08:24	03/03/21 20:04	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFDA	*81*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:04*	*1*
13C2 PFDoA	*57*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:04*	*1*
13C2 PFHxA	*108*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:04*	*1*
13C2 PFTeDA	*62*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:04*	*1*
13C2 PFUnA	*62*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:04*	*1*
13C3 PFBS	*102*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:04*	*1*
13C4 PFBA	*89*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:04*	*1*
13C4 PFHpA	*108*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:04*	*1*
13C4 PFOA	*106*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:04*	*1*
13C4 PFOS	*105*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:04*	*1*
13C5 PFNA	*102*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:04*	*1*
13C5 PFPeA	*106*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:04*	*1*
13C8 FOSA	*98*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:04*	*1*
18O2 PFHxS	*104*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:04*	*1*
d3-NMeFOSAA	*66*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:04*	*1*
d5-NEtFOSAA	*63*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:04*	*1*
M2-6:2 FTS	*105*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:04*	*1*
M2-8:2 FTS	*80*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:04*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		03/02/21 21:41	03/03/21 19:13	1

Client Sample ID: MW5S-022221
Lab Sample ID: 480-181441-2

Date Collected: 02/22/21 11:50
Matrix: Water
Date Received: 02/25/21 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**42**		1.0	0.41	ug/L			02/27/21 13:31	1
Ethylbenzene	**2.7**		1.0	0.74	ug/L			02/27/21 13:31	1
Toluene	**1.1**		1.0	0.51	ug/L			02/27/21 13:31	1
Xylenes, Total	**6.5**		2.0	0.66	ug/L			02/27/21 13:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*02/27/21 13:31*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*02/27/21 13:31*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*02/27/21 13:31*	*1*

Client Sample ID: MW5S-022221

Date Collected: 02/22/21 11:50
Date Received: 02/25/21 11:00

Lab Sample ID: 480-181441-2

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*02/27/21 13:31*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**31**		5.4	0.45	ug/L		02/26/21 09:50	03/01/21 19:44	1
Acenaphthylene	**5.6**		5.4	0.41	ug/L		02/26/21 09:50	03/01/21 19:44	1
Anthracene	**4.7**	**J**	5.4	0.30	ug/L		02/26/21 09:50	03/01/21 19:44	1
Benzo[a]anthracene	ND		5.4	0.39	ug/L		02/26/21 09:50	03/01/21 19:44	1
Benzo[a]pyrene	ND		5.4	0.51	ug/L		02/26/21 09:50	03/01/21 19:44	1
Benzo[b]fluoranthene	ND		5.4	0.37	ug/L		02/26/21 09:50	03/01/21 19:44	1
Benzo[g,h,i]perylene	ND		5.4	0.38	ug/L		02/26/21 09:50	03/01/21 19:44	1
Benzo[k]fluoranthene	ND		5.4	0.79	ug/L		02/26/21 09:50	03/01/21 19:44	1
Chrysene	ND		5.4	0.36	ug/L		02/26/21 09:50	03/01/21 19:44	1
Dibenz(a,h)anthracene	ND		5.4	0.46	ug/L		02/26/21 09:50	03/01/21 19:44	1
Fluoranthene	**6.0**		5.4	0.43	ug/L		02/26/21 09:50	03/01/21 19:44	1
Fluorene	**11**		5.4	0.39	ug/L		02/26/21 09:50	03/01/21 19:44	1
Indeno[1,2,3-cd]pyrene	ND		5.4	0.51	ug/L		02/26/21 09:50	03/01/21 19:44	1
Naphthalene	**34**		5.4	0.83	ug/L		02/26/21 09:50	03/01/21 19:44	1
Phenanthrene	**6.0**		5.4	0.48	ug/L		02/26/21 09:50	03/01/21 19:44	1
Pyrene	**3.8**	**J**	5.4	0.37	ug/L		02/26/21 09:50	03/01/21 19:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*92*		*48 - 120*	*02/26/21 09:50*	*03/01/21 19:44*	*1*
Nitrobenzene-d5 (Surr)	*92*		*46 - 120*	*02/26/21 09:50*	*03/01/21 19:44*	*1*
p-Terphenyl-d14 (Surr)	*79*		*60 - 148*	*02/26/21 09:50*	*03/01/21 19:44*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.8	0.58	ng/L		03/03/21 08:24	03/03/21 20:12	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	**1.7**	**J**	4.4	0.63	ng/L		03/03/21 08:24	03/03/21 20:12	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.4	0.81	ng/L		03/03/21 08:24	03/03/21 20:12	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.4	0.69	ng/L		03/03/21 08:24	03/03/21 20:12	1
Perfluorobutanesulfonic acid (PFBS)	**0.55**	**J**	1.8	0.55	ng/L		03/03/21 08:24	03/03/21 20:12	1
Perfluorobutanoic acid (PFBA)	ND		4.4	0.99	ng/L		03/03/21 08:24	03/03/21 20:12	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.42	ng/L		03/03/21 08:24	03/03/21 20:12	1
Perfluorodecanoic acid (PFDA)	ND		1.8	0.40	ng/L		03/03/21 08:24	03/03/21 20:12	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.40	ng/L		03/03/21 08:24	03/03/21 20:12	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8	0.34	ng/L		03/03/21 08:24	03/03/21 20:12	1
Perfluoroheptanoic acid (PFHpA)	**0.85**	**J**	1.8	0.40	ng/L		03/03/21 08:24	03/03/21 20:12	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.59	ng/L		03/03/21 08:24	03/03/21 20:12	1
Perfluorohexanoic acid (PFHxA)	**4.5**		1.8	0.73	ng/L		03/03/21 08:24	03/03/21 20:12	1
Perfluorononanoic acid (PFNA)	ND		1.8	0.51	ng/L		03/03/21 08:24	03/03/21 20:12	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.50	ng/L		03/03/21 08:24	03/03/21 20:12	1
Perfluorooctanesulfonic acid (PFOS)	**1.0**	**J**	1.8	0.76	ng/L		03/03/21 08:24	03/03/21 20:12	1

Client Sample ID: MW5S-022221

Date Collected: 02/22/21 11:50
Date Received: 02/25/21 11:00

Lab Sample ID: 480-181441-2
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	**1.2**	**J**	1.8	0.86	ng/L		03/03/21 08:24	03/03/21 20:12	1
Perfluoropentanoic acid (PFPeA)	**4.4**		1.8	0.95	ng/L		03/03/21 08:24	03/03/21 20:12	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8	0.52	ng/L		03/03/21 08:24	03/03/21 20:12	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8	0.38	ng/L		03/03/21 08:24	03/03/21 20:12	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.64	ng/L		03/03/21 08:24	03/03/21 20:12	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFDA	*100*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:12*	*1*
13C2 PFDoA	*89*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:12*	*1*
13C2 PFHxA	*105*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:12*	*1*
13C2 PFTeDA	*88*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:12*	*1*
13C2 PFUnA	*84*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:12*	*1*
13C3 PFBS	*109*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:12*	*1*
13C4 PFBA	*93*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:12*	*1*
13C4 PFHpA	*107*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:12*	*1*
13C4 PFOA	*108*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:12*	*1*
13C4 PFOS	*107*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:12*	*1*
13C5 PFNA	*105*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:12*	*1*
13C5 PFPeA	*106*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:12*	*1*
13C8 FOSA	*86*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:12*	*1*
18O2 PFHxS	*111*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:12*	*1*
d3-NMeFOSAA	*88*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:12*	*1*
d5-NEtFOSAA	*85*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:12*	*1*
M2-6:2 FTS	*112*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:12*	*1*
M2-8:2 FTS	*105*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:12*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.15**		0.010	0.0050	mg/L		03/02/21 21:41	03/03/21 19:14	1

Client Sample ID: MW-5D-022221

Date Collected: 02/22/21 10:50
Date Received: 02/25/21 11:00

Lab Sample ID: 480-181441-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			02/27/21 13:56	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/27/21 13:56	1
Toluene	ND		1.0	0.51	ug/L			02/27/21 13:56	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/27/21 13:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*02/27/21 13:56*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*02/27/21 13:56*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*02/27/21 13:56*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*02/27/21 13:56*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.4	0.45	ug/L		02/26/21 09:50	03/03/21 13:18	1
Acenaphthylene	ND		5.4	0.41	ug/L		02/26/21 09:50	03/03/21 13:18	1

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-181441-1

Client Sample ID: MW-5D-022221

Date Collected: 02/22/21 10:50
Date Received: 02/25/21 11:00

Lab Sample ID: 480-181441-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		5.4	0.30	ug/L		02/26/21 09:50	03/03/21 13:18	1
Benzo[a]anthracene	ND		5.4	0.39	ug/L		02/26/21 09:50	03/03/21 13:18	1
Benzo[a]pyrene	ND		5.4	0.51	ug/L		02/26/21 09:50	03/03/21 13:18	1
Benzo[b]fluoranthene	ND		5.4	0.37	ug/L		02/26/21 09:50	03/03/21 13:18	1
Benzo[g,h,i]perylene	ND		5.4	0.38	ug/L		02/26/21 09:50	03/03/21 13:18	1
Benzo[k]fluoranthene	ND		5.4	0.79	ug/L		02/26/21 09:50	03/03/21 13:18	1
Chrysene	ND		5.4	0.36	ug/L		02/26/21 09:50	03/03/21 13:18	1
Dibenz(a,h)anthracene	ND		5.4	0.46	ug/L		02/26/21 09:50	03/03/21 13:18	1
Fluoranthene	ND		5.4	0.43	ug/L		02/26/21 09:50	03/03/21 13:18	1
Fluorene	ND		5.4	0.39	ug/L		02/26/21 09:50	03/03/21 13:18	1
Indeno[1,2,3-cd]pyrene	ND		5.4	0.51	ug/L		02/26/21 09:50	03/03/21 13:18	1
Naphthalene	ND		5.4	0.83	ug/L		02/26/21 09:50	03/03/21 13:18	1
Phenanthrene	ND		5.4	0.48	ug/L		02/26/21 09:50	03/03/21 13:18	1
Pyrene	ND		5.4	0.37	ug/L		02/26/21 09:50	03/03/21 13:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*97*		*48 - 120*	*02/26/21 09:50*	*03/03/21 13:18*	*1*
Nitrobenzene-d5 (Surr)	*100*		*46 - 120*	*02/26/21 09:50*	*03/03/21 13:18*	*1*
p-Terphenyl-d14 (Surr)	*101*		*60 - 148*	*02/26/21 09:50*	*03/03/21 13:18*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.8	0.60	ng/L		03/03/21 08:24	03/03/21 20:21	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.5	0.65	ng/L		03/03/21 08:24	03/03/21 20:21	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.5	0.84	ng/L		03/03/21 08:24	03/03/21 20:21	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.5	0.71	ng/L		03/03/21 08:24	03/03/21 20:21	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8	0.57	ng/L		03/03/21 08:24	03/03/21 20:21	1
Perfluorobutanoic acid (PFBA)	ND		4.5	1.0	ng/L		03/03/21 08:24	03/03/21 20:21	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.43	ng/L		03/03/21 08:24	03/03/21 20:21	1
Perfluorodecanoic acid (PFDA)	ND		1.8	0.42	ng/L		03/03/21 08:24	03/03/21 20:21	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.42	ng/L		03/03/21 08:24	03/03/21 20:21	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8	0.35	ng/L		03/03/21 08:24	03/03/21 20:21	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8	0.42	ng/L		03/03/21 08:24	03/03/21 20:21	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.61	ng/L		03/03/21 08:24	03/03/21 20:21	1
Perfluorohexanoic acid (PFHxA)	ND		1.8	0.75	ng/L		03/03/21 08:24	03/03/21 20:21	1
Perfluorononanoic acid (PFNA)	ND		1.8	0.52	ng/L		03/03/21 08:24	03/03/21 20:21	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.52	ng/L		03/03/21 08:24	03/03/21 20:21	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8	0.79	ng/L		03/03/21 08:24	03/03/21 20:21	1
Perfluorooctanoic acid (PFOA)	ND		1.8	0.89	ng/L		03/03/21 08:24	03/03/21 20:21	1
Perfluoropentanoic acid (PFPeA)	ND		1.8	0.98	ng/L		03/03/21 08:24	03/03/21 20:21	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8	0.53	ng/L		03/03/21 08:24	03/03/21 20:21	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8	0.39	ng/L		03/03/21 08:24	03/03/21 20:21	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.66	ng/L		03/03/21 08:24	03/03/21 20:21	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFDA	*78*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:21*	*1*
13C2 PFDoA	*60*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:21*	*1*

Client Sample ID: MW-5D-022221
Lab Sample ID: 480-181441-3
Date Collected: 02/22/21 10:50
Matrix: Water
Date Received: 02/25/21 11:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFHxA	*110*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:21*	*1*
13C2 PFTeDA	*63*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:21*	*1*
13C2 PFUnA	*65*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:21*	*1*
13C3 PFBS	*106*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:21*	*1*
13C4 PFBA	*89*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:21*	*1*
13C4 PFHpA	*107*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:21*	*1*
13C4 PFOA	*104*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:21*	*1*
13C4 PFOS	*86*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:21*	*1*
13C5 PFNA	*94*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:21*	*1*
13C5 PFPeA	*105*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:21*	*1*
13C8 FOSA	*91*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:21*	*1*
18O2 PFHxS	*104*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:21*	*1*
d3-NMeFOSAA	*63*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:21*	*1*
d5-NEtFOSAA	*69*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:21*	*1*
M2-6:2 FTS	*106*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:21*	*1*
M2-8:2 FTS	*81*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:21*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		03/02/21 21:41	03/03/21 19:16	1

Client Sample ID: MW-3D-022321
Lab Sample ID: 480-181441-4
Date Collected: 02/23/21 14:55
Matrix: Water
Date Received: 02/25/21 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			02/27/21 14:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/27/21 14:21	1
Toluene	ND		1.0	0.51	ug/L			02/27/21 14:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/27/21 14:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*02/27/21 14:21*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*02/27/21 14:21*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*02/27/21 14:21*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*02/27/21 14:21*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		6.3	0.51	ug/L		02/26/21 09:50	03/03/21 13:48	1
Acenaphthylene	ND		6.3	0.48	ug/L		02/26/21 09:50	03/03/21 13:48	1
Anthracene	ND		6.3	0.35	ug/L		02/26/21 09:50	03/03/21 13:48	1
Benzo[a]anthracene	ND		6.3	0.45	ug/L		02/26/21 09:50	03/03/21 13:48	1
Benzo[a]pyrene	ND		6.3	0.59	ug/L		02/26/21 09:50	03/03/21 13:48	1
Benzo[b]fluoranthene	ND		6.3	0.43	ug/L		02/26/21 09:50	03/03/21 13:48	1
Benzo[g,h,i]perylene	ND		6.3	0.44	ug/L		02/26/21 09:50	03/03/21 13:48	1
Benzo[k]fluoranthene	ND		6.3	0.91	ug/L		02/26/21 09:50	03/03/21 13:48	1
Chrysene	ND		6.3	0.41	ug/L		02/26/21 09:50	03/03/21 13:48	1
Dibenz(a,h)anthracene	ND		6.3	0.53	ug/L		02/26/21 09:50	03/03/21 13:48	1
Fluoranthene	ND		6.3	0.50	ug/L		02/26/21 09:50	03/03/21 13:48	1

Client Sample ID: MW-3D-022321
Lab Sample ID: 480-181441-4

Date Collected: 02/23/21 14:55
Matrix: Water
Date Received: 02/25/21 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		6.3	0.45	ug/L		02/26/21 09:50	03/03/21 13:48	1
Indeno[1,2,3-cd]pyrene	ND		6.3	0.59	ug/L		02/26/21 09:50	03/03/21 13:48	1
Naphthalene	ND		6.3	0.95	ug/L		02/26/21 09:50	03/03/21 13:48	1
Phenanthrene	ND		6.3	0.55	ug/L		02/26/21 09:50	03/03/21 13:48	1
Pyrene	ND		6.3	0.43	ug/L		02/26/21 09:50	03/03/21 13:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*98*		*48 - 120*	*02/26/21 09:50*	*03/03/21 13:48*	*1*
Nitrobenzene-d5 (Surr)	*99*		*46 - 120*	*02/26/21 09:50*	*03/03/21 13:48*	*1*
p-Terphenyl-d14 (Surr)	*100*		*60 - 148*	*02/26/21 09:50*	*03/03/21 13:48*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.8	0.58	ng/L		03/03/21 08:24	03/03/21 20:29	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	**71**		4.4	0.64	ng/L		03/03/21 08:24	03/03/21 20:29	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.4	0.82	ng/L		03/03/21 08:24	03/03/21 20:29	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.4	0.70	ng/L		03/03/21 08:24	03/03/21 20:29	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8	0.56	ng/L		03/03/21 08:24	03/03/21 20:29	1
Perfluorobutanoic acid (PFBA)	ND		4.4	1.0	ng/L		03/03/21 08:24	03/03/21 20:29	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.42	ng/L		03/03/21 08:24	03/03/21 20:29	1
Perfluorodecanoic acid (PFDA)	ND		1.8	0.41	ng/L		03/03/21 08:24	03/03/21 20:29	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.41	ng/L		03/03/21 08:24	03/03/21 20:29	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8	0.35	ng/L		03/03/21 08:24	03/03/21 20:29	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8	0.41	ng/L		03/03/21 08:24	03/03/21 20:29	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.59	ng/L		03/03/21 08:24	03/03/21 20:29	1
Perfluorohexanoic acid (PFHxA)	**2.2**		1.8	0.73	ng/L		03/03/21 08:24	03/03/21 20:29	1
Perfluorononanoic acid (PFNA)	ND		1.8	0.51	ng/L		03/03/21 08:24	03/03/21 20:29	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.50	ng/L		03/03/21 08:24	03/03/21 20:29	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8	0.77	ng/L		03/03/21 08:24	03/03/21 20:29	1
Perfluorooctanoic acid (PFOA)	ND		1.8	0.87	ng/L		03/03/21 08:24	03/03/21 20:29	1
Perfluoropentanoic acid (PFPeA)	ND		1.8	0.96	ng/L		03/03/21 08:24	03/03/21 20:29	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8	0.52	ng/L		03/03/21 08:24	03/03/21 20:29	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8	0.38	ng/L		03/03/21 08:24	03/03/21 20:29	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.65	ng/L		03/03/21 08:24	03/03/21 20:29	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFDA	*101*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:29*	*1*
13C2 PFDoA	*87*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:29*	*1*
13C2 PFHxA	*111*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:29*	*1*
13C2 PFTeDA	*92*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:29*	*1*
13C2 PFUnA	*96*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:29*	*1*
13C3 PFBS	*106*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:29*	*1*
13C4 PFBA	*85*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:29*	*1*
13C4 PFHpA	*110*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:29*	*1*
13C4 PFOA	*113*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:29*	*1*
13C4 PFOS	*104*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:29*	*1*
13C5 PFNA	*107*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:29*	*1*

Client Sample ID: MW-3D-022321

Lab Sample ID: 480-181441-4

Date Collected: 02/23/21 14:55

Matrix: Water

Date Received: 02/25/21 11:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C5 PFPeA	*112*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:29*	*1*
13C8 FOSA	*93*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:29*	*1*
18O2 PFHxS	*110*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:29*	*1*
d3-NMeFOSAA	*90*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:29*	*1*
d5-NEtFOSAA	*84*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:29*	*1*
M2-6:2 FTS	*108*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:29*	*1*
M2-8:2 FTS	*111*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:29*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.013**		0.010	0.0050	mg/L		03/02/21 21:41	03/03/21 19:17	1

Client Sample ID: MW-3S-022321

Lab Sample ID: 480-181441-5

Date Collected: 02/23/21 13:55

Matrix: Water

Date Received: 02/25/21 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			02/27/21 14:46	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/27/21 14:46	1
Toluene	ND		1.0	0.51	ug/L			02/27/21 14:46	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/27/21 14:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*02/27/21 14:46*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*02/27/21 14:46*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*02/27/21 14:46*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*02/27/21 14:46*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.4	0.45	ug/L		02/26/21 09:50	03/03/21 14:18	1
Acenaphthylene	ND		5.4	0.41	ug/L		02/26/21 09:50	03/03/21 14:18	1
Anthracene	ND		5.4	0.30	ug/L		02/26/21 09:50	03/03/21 14:18	1
Benzo[a]anthracene	ND		5.4	0.39	ug/L		02/26/21 09:50	03/03/21 14:18	1
Benzo[a]pyrene	ND		5.4	0.51	ug/L		02/26/21 09:50	03/03/21 14:18	1
Benzo[b]fluoranthene	ND		5.4	0.37	ug/L		02/26/21 09:50	03/03/21 14:18	1
Benzo[g,h,i]perylene	ND		5.4	0.38	ug/L		02/26/21 09:50	03/03/21 14:18	1
Benzo[k]fluoranthene	ND		5.4	0.79	ug/L		02/26/21 09:50	03/03/21 14:18	1
Chrysene	ND		5.4	0.36	ug/L		02/26/21 09:50	03/03/21 14:18	1
Dibenz(a,h)anthracene	ND		5.4	0.46	ug/L		02/26/21 09:50	03/03/21 14:18	1
Fluoranthene	ND		5.4	0.43	ug/L		02/26/21 09:50	03/03/21 14:18	1
Fluorene	ND		5.4	0.39	ug/L		02/26/21 09:50	03/03/21 14:18	1
Indeno[1,2,3-cd]pyrene	ND		5.4	0.51	ug/L		02/26/21 09:50	03/03/21 14:18	1
Naphthalene	ND		5.4	0.83	ug/L		02/26/21 09:50	03/03/21 14:18	1
Phenanthrene	ND		5.4	0.48	ug/L		02/26/21 09:50	03/03/21 14:18	1
Pyrene	ND		5.4	0.37	ug/L		02/26/21 09:50	03/03/21 14:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*103*		*48 - 120*	*02/26/21 09:50*	*03/03/21 14:18*	*1*
Nitrobenzene-d5 (Surr)	*104*		*46 - 120*	*02/26/21 09:50*	*03/03/21 14:18*	*1*

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-181441-1

Client Sample ID: MW-3S-022321

Date Collected: 02/23/21 13:55
Date Received: 02/25/21 11:00

Lab Sample ID: 480-181441-5

Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl-d14 (Surr)	*102*		*60 - 148*	*02/26/21 09:50*	*03/03/21 14:18*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.8	0.59	ng/L		03/03/21 08:24	03/03/21 20:37	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	**2.5**	**J**	4.5	0.64	ng/L		03/03/21 08:24	03/03/21 20:37	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.5	0.83	ng/L		03/03/21 08:24	03/03/21 20:37	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.5	0.71	ng/L		03/03/21 08:24	03/03/21 20:37	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8	0.56	ng/L		03/03/21 08:24	03/03/21 20:37	1
Perfluorobutanoic acid (PFBA)	ND		4.5	1.0	ng/L		03/03/21 08:24	03/03/21 20:37	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.43	ng/L		03/03/21 08:24	03/03/21 20:37	1
Perfluorodecanoic acid (PFDA)	ND		1.8	0.41	ng/L		03/03/21 08:24	03/03/21 20:37	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.41	ng/L		03/03/21 08:24	03/03/21 20:37	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8	0.35	ng/L		03/03/21 08:24	03/03/21 20:37	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8	0.41	ng/L		03/03/21 08:24	03/03/21 20:37	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.60	ng/L		03/03/21 08:24	03/03/21 20:37	1
Perfluorohexanoic acid (PFHxA)	ND		1.8	0.74	ng/L		03/03/21 08:24	03/03/21 20:37	1
Perfluorononanoic acid (PFNA)	ND		1.8	0.52	ng/L		03/03/21 08:24	03/03/21 20:37	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.51	ng/L		03/03/21 08:24	03/03/21 20:37	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8	0.78	ng/L		03/03/21 08:24	03/03/21 20:37	1
Perfluorooctanoic acid (PFOA)	ND		1.8	0.87	ng/L		03/03/21 08:24	03/03/21 20:37	1
Perfluoropentanoic acid (PFPeA)	ND		1.8	0.96	ng/L		03/03/21 08:24	03/03/21 20:37	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8	0.53	ng/L		03/03/21 08:24	03/03/21 20:37	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8	0.38	ng/L		03/03/21 08:24	03/03/21 20:37	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.65	ng/L		03/03/21 08:24	03/03/21 20:37	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	*89*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:37*	*1*
13C2 PFDoA	*75*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:37*	*1*
13C2 PFHxA	*107*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:37*	*1*
13C2 PFTeDA	*77*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:37*	*1*
13C2 PFUnA	*77*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:37*	*1*
13C3 PFBS	*100*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:37*	*1*
13C4 PFBA	*91*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:37*	*1*
13C4 PFHpA	*108*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:37*	*1*
13C4 PFOA	*106*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:37*	*1*
13C4 PFOS	*96*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:37*	*1*
13C5 PFNA	*99*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:37*	*1*
13C5 PFPeA	*106*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:37*	*1*
13C8 FOSA	*88*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:37*	*1*
18O2 PFHxS	*107*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:37*	*1*
d3-NMeFOSAA	*74*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:37*	*1*
d5-NEtFOSAA	*73*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:37*	*1*
M2-6:2 FTS	*104*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:37*	*1*
M2-8:2 FTS	*93*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:37*	*1*

Client Sample ID: MW-3S-022321
Lab Sample ID: 480-181441-5
Date Collected: 02/23/21 13:55
Matrix: Water
Date Received: 02/25/21 11:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		03/02/21 21:41	03/03/21 19:19	1

Client Sample ID: DUP-1-022321
Lab Sample ID: 480-181441-6
Date Collected: 02/23/21 14:00
Matrix: Water
Date Received: 02/25/21 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			02/27/21 15:10	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/27/21 15:10	1
Toluene	ND		1.0	0.51	ug/L			02/27/21 15:10	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/27/21 15:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*02/27/21 15:10*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*02/27/21 15:10*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*02/27/21 15:10*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*02/27/21 15:10*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.4	0.45	ug/L		02/26/21 09:50	03/03/21 14:47	1
Acenaphthylene	ND		5.4	0.41	ug/L		02/26/21 09:50	03/03/21 14:47	1
Anthracene	ND		5.4	0.30	ug/L		02/26/21 09:50	03/03/21 14:47	1
Benzo[a]anthracene	ND		5.4	0.39	ug/L		02/26/21 09:50	03/03/21 14:47	1
Benzo[a]pyrene	ND		5.4	0.51	ug/L		02/26/21 09:50	03/03/21 14:47	1
Benzo[b]fluoranthene	ND		5.4	0.37	ug/L		02/26/21 09:50	03/03/21 14:47	1
Benzo[g,h,i]perylene	ND		5.4	0.38	ug/L		02/26/21 09:50	03/03/21 14:47	1
Benzo[k]fluoranthene	ND		5.4	0.79	ug/L		02/26/21 09:50	03/03/21 14:47	1
Chrysene	ND		5.4	0.36	ug/L		02/26/21 09:50	03/03/21 14:47	1
Dibenz(a,h)anthracene	ND		5.4	0.46	ug/L		02/26/21 09:50	03/03/21 14:47	1
Fluoranthene	ND		5.4	0.43	ug/L		02/26/21 09:50	03/03/21 14:47	1
Fluorene	ND		5.4	0.39	ug/L		02/26/21 09:50	03/03/21 14:47	1
Indeno[1,2,3-cd]pyrene	ND		5.4	0.51	ug/L		02/26/21 09:50	03/03/21 14:47	1
Naphthalene	ND		5.4	0.83	ug/L		02/26/21 09:50	03/03/21 14:47	1
Phenanthrene	ND		5.4	0.48	ug/L		02/26/21 09:50	03/03/21 14:47	1
Pyrene	ND		5.4	0.37	ug/L		02/26/21 09:50	03/03/21 14:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*101*		*48 - 120*	*02/26/21 09:50*	*03/03/21 14:47*	*1*
Nitrobenzene-d5 (Surr)	*106*		*46 - 120*	*02/26/21 09:50*	*03/03/21 14:47*	*1*
p-Terphenyl-d14 (Surr)	*98*		*60 - 148*	*02/26/21 09:50*	*03/03/21 14:47*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.7	0.58	ng/L		03/03/21 08:24	03/03/21 20:54	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	**2.5**	**J**	4.4	0.63	ng/L		03/03/21 08:24	03/03/21 20:54	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.4	0.81	ng/L		03/03/21 08:24	03/03/21 20:54	1

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-181441-1

Client Sample ID: DUP-1-022321

Date Collected: 02/23/21 14:00
Date Received: 02/25/21 11:00

Lab Sample ID: 480-181441-6

Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.4	0.69	ng/L		03/03/21 08:24	03/03/21 20:54	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.7	0.55	ng/L		03/03/21 08:24	03/03/21 20:54	1
Perfluorobutanoic acid (PFBA)	ND		4.4	0.99	ng/L		03/03/21 08:24	03/03/21 20:54	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.42	ng/L		03/03/21 08:24	03/03/21 20:54	1
Perfluorodecanoic acid (PFDA)	ND		1.7	0.40	ng/L		03/03/21 08:24	03/03/21 20:54	1
Perfluorododecanoic acid (PFDoA)	ND		1.7	0.40	ng/L		03/03/21 08:24	03/03/21 20:54	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.7	0.34	ng/L		03/03/21 08:24	03/03/21 20:54	1
Perfluoroheptanoic acid (PFHpA)	ND		1.7	0.40	ng/L		03/03/21 08:24	03/03/21 20:54	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.7	0.58	ng/L		03/03/21 08:24	03/03/21 20:54	1
Perfluorohexanoic acid (PFHxA)	ND		1.7	0.72	ng/L		03/03/21 08:24	03/03/21 20:54	1
Perfluorononanoic acid (PFNA)	ND		1.7	0.51	ng/L		03/03/21 08:24	03/03/21 20:54	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.7	0.50	ng/L		03/03/21 08:24	03/03/21 20:54	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.7	0.76	ng/L		03/03/21 08:24	03/03/21 20:54	1
Perfluorooctanoic acid (PFOA)	ND		1.7	0.85	ng/L		03/03/21 08:24	03/03/21 20:54	1
Perfluoropentanoic acid (PFPeA)	ND		1.7	0.94	ng/L		03/03/21 08:24	03/03/21 20:54	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.7	0.51	ng/L		03/03/21 08:24	03/03/21 20:54	1
Perfluorotridecanoic acid (PFTriA)	ND		1.7	0.38	ng/L		03/03/21 08:24	03/03/21 20:54	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.64	ng/L		03/03/21 08:24	03/03/21 20:54	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFDA	*86*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:54*	*1*
13C2 PFDoA	*69*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:54*	*1*
13C2 PFHxA	*109*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:54*	*1*
13C2 PFTeDA	*78*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:54*	*1*
13C2 PFUnA	*74*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:54*	*1*
13C3 PFBS	*105*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:54*	*1*
13C4 PFBA	*95*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:54*	*1*
13C4 PFHpA	*108*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:54*	*1*
13C4 PFOA	*104*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:54*	*1*
13C4 PFOS	*97*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:54*	*1*
13C5 PFNA	*100*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:54*	*1*
13C5 PFPeA	*107*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:54*	*1*
13C8 FOSA	*90*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:54*	*1*
18O2 PFHxS	*104*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:54*	*1*
d3-NMeFOSAA	*72*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:54*	*1*
d5-NEtFOSAA	*73*		*50 - 150*	*03/03/21 08:24*	*03/03/21 20:54*	*1*
M2-6:2 FTS	*98*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:54*	*1*
M2-8:2 FTS	*88*		*25 - 150*	*03/03/21 08:24*	*03/03/21 20:54*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		03/02/21 21:41	03/03/21 19:23	1

Client Sample ID: MW-1S-022221
Lab Sample ID: 480-181441-7

Date Collected: 02/22/21 12:45
Matrix: Water
Date Received: 02/25/21 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			02/27/21 15:35	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/27/21 15:35	1
Toluene	ND		1.0	0.51	ug/L			02/27/21 15:35	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/27/21 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*02/27/21 15:35*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*02/27/21 15:35*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*02/27/21 15:35*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*02/27/21 15:35*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0	0.41	ug/L		02/26/21 09:50	03/03/21 15:17	1
Acenaphthylene	ND		5.0	0.38	ug/L		02/26/21 09:50	03/03/21 15:17	1
Anthracene	ND		5.0	0.28	ug/L		02/26/21 09:50	03/03/21 15:17	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		02/26/21 09:50	03/03/21 15:17	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		02/26/21 09:50	03/03/21 15:17	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		02/26/21 09:50	03/03/21 15:17	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		02/26/21 09:50	03/03/21 15:17	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		02/26/21 09:50	03/03/21 15:17	1
Chrysene	ND		5.0	0.33	ug/L		02/26/21 09:50	03/03/21 15:17	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		02/26/21 09:50	03/03/21 15:17	1
Fluoranthene	ND		5.0	0.40	ug/L		02/26/21 09:50	03/03/21 15:17	1
Fluorene	ND		5.0	0.36	ug/L		02/26/21 09:50	03/03/21 15:17	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		02/26/21 09:50	03/03/21 15:17	1
Naphthalene	ND		5.0	0.76	ug/L		02/26/21 09:50	03/03/21 15:17	1
Phenanthrene	ND		5.0	0.44	ug/L		02/26/21 09:50	03/03/21 15:17	1
Pyrene	ND		5.0	0.34	ug/L		02/26/21 09:50	03/03/21 15:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*103*		*48 - 120*	*02/26/21 09:50*	*03/03/21 15:17*	*1*
Nitrobenzene-d5 (Surr)	*102*		*46 - 120*	*02/26/21 09:50*	*03/03/21 15:17*	*1*
p-Terphenyl-d14 (Surr)	*96*		*60 - 148*	*02/26/21 09:50*	*03/03/21 15:17*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.8	0.59	ng/L		03/03/21 08:24	03/03/21 21:02	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	**33**		4.5	0.64	ng/L		03/03/21 08:24	03/03/21 21:02	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.5	0.83	ng/L		03/03/21 08:24	03/03/21 21:02	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.5	0.70	ng/L		03/03/21 08:24	03/03/21 21:02	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8	0.56	ng/L		03/03/21 08:24	03/03/21 21:02	1
Perfluorobutanoic acid (PFBA)	ND		4.5	1.0	ng/L		03/03/21 08:24	03/03/21 21:02	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.43	ng/L		03/03/21 08:24	03/03/21 21:02	1
Perfluorodecanoic acid (PFDA)	ND		1.8	0.41	ng/L		03/03/21 08:24	03/03/21 21:02	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.41	ng/L		03/03/21 08:24	03/03/21 21:02	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8	0.35	ng/L		03/03/21 08:24	03/03/21 21:02	1

Client Sample ID: MW-1S-022221
Lab Sample ID: 480-181441-7

Date Collected: 02/22/21 12:45
Matrix: Water
Date Received: 02/25/21 11:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanoic acid (PFHpA)	ND		1.8	0.41	ng/L		03/03/21 08:24	03/03/21 21:02	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.60	ng/L		03/03/21 08:24	03/03/21 21:02	1
Perfluorohexanoic acid (PFHxA)	ND		1.8	0.74	ng/L		03/03/21 08:24	03/03/21 21:02	1
Perfluorononanoic acid (PFNA)	ND		1.8	0.52	ng/L		03/03/21 08:24	03/03/21 21:02	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.51	ng/L		03/03/21 08:24	03/03/21 21:02	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8	0.78	ng/L		03/03/21 08:24	03/03/21 21:02	1
Perfluorooctanoic acid (PFOA)	ND		1.8	0.87	ng/L		03/03/21 08:24	03/03/21 21:02	1
Perfluoropentanoic acid (PFPeA)	ND		1.8	0.96	ng/L		03/03/21 08:24	03/03/21 21:02	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8	0.53	ng/L		03/03/21 08:24	03/03/21 21:02	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8	0.38	ng/L		03/03/21 08:24	03/03/21 21:02	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.65	ng/L		03/03/21 08:24	03/03/21 21:02	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFDA	*93*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:02*	*1*
13C2 PFDoA	*82*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:02*	*1*
13C2 PFHxA	*110*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:02*	*1*
13C2 PFTeDA	*79*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:02*	*1*
13C2 PFUnA	*83*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:02*	*1*
13C3 PFBS	*110*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:02*	*1*
13C4 PFBA	*88*		*25 - 150*	*03/03/21 08:24*	*03/03/21 21:02*	*1*
13C4 PFHpA	*110*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:02*	*1*
13C4 PFOA	*105*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:02*	*1*
13C4 PFOS	*107*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:02*	*1*
13C5 PFNA	*98*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:02*	*1*
13C5 PFPeA	*109*		*25 - 150*	*03/03/21 08:24*	*03/03/21 21:02*	*1*
13C8 FOSA	*93*		*25 - 150*	*03/03/21 08:24*	*03/03/21 21:02*	*1*
18O2 PFHxS	*108*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:02*	*1*
d3-NMeFOSAA	*78*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:02*	*1*
d5-NEtFOSAA	*79*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:02*	*1*
M2-6:2 FTS	*109*		*25 - 150*	*03/03/21 08:24*	*03/03/21 21:02*	*1*
M2-8:2 FTS	*98*		*25 - 150*	*03/03/21 08:24*	*03/03/21 21:02*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		03/02/21 21:51	03/03/21 19:55	1

Client Sample ID: MW-2S-022321
Lab Sample ID: 480-181441-8

Date Collected: 02/23/21 15:20
Matrix: Water
Date Received: 02/25/21 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	F2	1.0	0.41	ug/L			02/27/21 16:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/27/21 16:01	1
Toluene	ND		1.0	0.51	ug/L			02/27/21 16:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/27/21 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*02/27/21 16:01*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*02/27/21 16:01*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*02/27/21 16:01*	*1*

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-181441-1

Client Sample ID: MW-2S-022321

Date Collected: 02/23/21 15:20
Date Received: 02/25/21 11:00

Lab Sample ID: 480-181441-8

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*02/27/21 16:01*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.4	0.45	ug/L		02/26/21 09:50	03/01/21 16:16	1
Acenaphthylene	ND		5.4	0.41	ug/L		02/26/21 09:50	03/01/21 16:16	1
Anthracene	ND		5.4	0.30	ug/L		02/26/21 09:50	03/01/21 16:16	1
Benzo[a]anthracene	ND		5.4	0.39	ug/L		02/26/21 09:50	03/01/21 16:16	1
Benzo[a]pyrene	ND		5.4	0.51	ug/L		02/26/21 09:50	03/01/21 16:16	1
Benzo[b]fluoranthene	ND		5.4	0.37	ug/L		02/26/21 09:50	03/01/21 16:16	1
Benzo[g,h,i]perylene	ND		5.4	0.38	ug/L		02/26/21 09:50	03/01/21 16:16	1
Benzo[k]fluoranthene	ND		5.4	0.79	ug/L		02/26/21 09:50	03/01/21 16:16	1
Chrysene	ND		5.4	0.36	ug/L		02/26/21 09:50	03/01/21 16:16	1
Dibenz(a,h)anthracene	ND		5.4	0.46	ug/L		02/26/21 09:50	03/01/21 16:16	1
Fluoranthene	ND		5.4	0.43	ug/L		02/26/21 09:50	03/01/21 16:16	1
Fluorene	ND		5.4	0.39	ug/L		02/26/21 09:50	03/01/21 16:16	1
Indeno[1,2,3-cd]pyrene	ND		5.4	0.51	ug/L		02/26/21 09:50	03/01/21 16:16	1
Naphthalene	ND		5.4	0.83	ug/L		02/26/21 09:50	03/01/21 16:16	1
Phenanthrene	ND		5.4	0.48	ug/L		02/26/21 09:50	03/01/21 16:16	1
Pyrene	ND		5.4	0.37	ug/L		02/26/21 09:50	03/01/21 16:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*101*		*48 - 120*	*02/26/21 09:50*	*03/01/21 16:16*	*1*
Nitrobenzene-d5 (Surr)	*98*		*46 - 120*	*02/26/21 09:50*	*03/01/21 16:16*	*1*
p-Terphenyl-d14 (Surr)	*88*		*60 - 148*	*02/26/21 09:50*	*03/01/21 16:16*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.8	0.60	ng/L		03/03/21 08:24	03/03/21 21:10	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.6	0.66	ng/L		03/03/21 08:24	03/03/21 21:10	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.6	0.85	ng/L		03/03/21 08:24	03/03/21 21:10	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.6	0.72	ng/L		03/03/21 08:24	03/03/21 21:10	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8	0.58	ng/L		03/03/21 08:24	03/03/21 21:10	1
Perfluorobutanoic acid (PFBA)	**2.7**	**J**	4.6	1.0	ng/L		03/03/21 08:24	03/03/21 21:10	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.44	ng/L		03/03/21 08:24	03/03/21 21:10	1
Perfluorodecanoic acid (PFDA)	ND		1.8	0.42	ng/L		03/03/21 08:24	03/03/21 21:10	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.42	ng/L		03/03/21 08:24	03/03/21 21:10	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8	0.36	ng/L		03/03/21 08:24	03/03/21 21:10	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8	0.42	ng/L		03/03/21 08:24	03/03/21 21:10	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.61	ng/L		03/03/21 08:24	03/03/21 21:10	1
Perfluorohexanoic acid (PFHxA)	ND		1.8	0.76	ng/L		03/03/21 08:24	03/03/21 21:10	1
Perfluorononanoic acid (PFNA)	ND		1.8	0.53	ng/L		03/03/21 08:24	03/03/21 21:10	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.52	ng/L		03/03/21 08:24	03/03/21 21:10	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8	0.79	ng/L		03/03/21 08:24	03/03/21 21:10	1
Perfluorooctanoic acid (PFOA)	ND		1.8	0.89	ng/L		03/03/21 08:24	03/03/21 21:10	1
Perfluoropentanoic acid (PFPeA)	ND		1.8	0.99	ng/L		03/03/21 08:24	03/03/21 21:10	1

Client Sample ID: MW-2S-022321
Lab Sample ID: 480-181441-8
Date Collected: 02/23/21 15:20
Matrix: Water
Date Received: 02/25/21 11:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorotetradecanoic acid (PFTeA)	ND		1.8	0.54	ng/L		03/03/21 08:24	03/03/21 21:10	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8	0.39	ng/L		03/03/21 08:24	03/03/21 21:10	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.67	ng/L		03/03/21 08:24	03/03/21 21:10	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFDA	*96*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:10*	*1*
13C2 PFDoA	*85*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:10*	*1*
13C2 PFHxA	*105*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:10*	*1*
13C2 PFTeDA	*81*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:10*	*1*
13C2 PFUnA	*90*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:10*	*1*
13C3 PFBS	*99*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:10*	*1*
13C4 PFBA	*85*		*25 - 150*	*03/03/21 08:24*	*03/03/21 21:10*	*1*
13C4 PFHpA	*103*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:10*	*1*
13C4 PFOA	*103*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:10*	*1*
13C4 PFOS	*101*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:10*	*1*
13C5 PFNA	*100*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:10*	*1*
13C5 PFPeA	*100*		*25 - 150*	*03/03/21 08:24*	*03/03/21 21:10*	*1*
13C8 FOSA	*94*		*25 - 150*	*03/03/21 08:24*	*03/03/21 21:10*	*1*
18O2 PFHxS	*101*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:10*	*1*
d3-NMeFOSAA	*90*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:10*	*1*
d5-NEtFOSAA	*92*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:10*	*1*
M2-6:2 FTS	*106*		*25 - 150*	*03/03/21 08:24*	*03/03/21 21:10*	*1*
M2-8:2 FTS	*103*		*25 - 150*	*03/03/21 08:24*	*03/03/21 21:10*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.088**		0.010	0.0050	mg/L		03/02/21 21:51	03/03/21 19:51	1

Client Sample ID: MW-2D-022321
Lab Sample ID: 480-181441-9
Date Collected: 02/23/21 16:20
Matrix: Water
Date Received: 02/25/21 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			02/27/21 16:26	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/27/21 16:26	1
Toluene	ND		1.0	0.51	ug/L			02/27/21 16:26	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/27/21 16:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*02/27/21 16:26*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*02/27/21 16:26*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*02/27/21 16:26*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*02/27/21 16:26*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		6.0	0.49	ug/L		02/26/21 09:50	03/03/21 15:47	1
Acenaphthylene	ND		6.0	0.45	ug/L		02/26/21 09:50	03/03/21 15:47	1
Anthracene	ND		6.0	0.33	ug/L		02/26/21 09:50	03/03/21 15:47	1
Benzo[a]anthracene	ND		6.0	0.43	ug/L		02/26/21 09:50	03/03/21 15:47	1

Client Sample ID: MW-2D-022321
Lab Sample ID: 480-181441-9

Date Collected: 02/23/21 16:20
Matrix: Water
Date Received: 02/25/21 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		6.0	0.56	ug/L		02/26/21 09:50	03/03/21 15:47	1
Benzo[b]fluoranthene	ND		6.0	0.40	ug/L		02/26/21 09:50	03/03/21 15:47	1
Benzo[g,h,i]perylene	ND		6.0	0.42	ug/L		02/26/21 09:50	03/03/21 15:47	1
Benzo[k]fluoranthene	ND		6.0	0.87	ug/L		02/26/21 09:50	03/03/21 15:47	1
Chrysene	ND		6.0	0.39	ug/L		02/26/21 09:50	03/03/21 15:47	1
Dibenz(a,h)anthracene	ND		6.0	0.50	ug/L		02/26/21 09:50	03/03/21 15:47	1
Fluoranthene	ND		6.0	0.48	ug/L		02/26/21 09:50	03/03/21 15:47	1
Fluorene	ND		6.0	0.43	ug/L		02/26/21 09:50	03/03/21 15:47	1
Indeno[1,2,3-cd]pyrene	ND		6.0	0.56	ug/L		02/26/21 09:50	03/03/21 15:47	1
Naphthalene	ND		6.0	0.90	ug/L		02/26/21 09:50	03/03/21 15:47	1
Phenanthrene	ND		6.0	0.52	ug/L		02/26/21 09:50	03/03/21 15:47	1
Pyrene	ND		6.0	0.40	ug/L		02/26/21 09:50	03/03/21 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*101*		*48 - 120*	*02/26/21 09:50*	*03/03/21 15:47*	*1*
Nitrobenzene-d5 (Surr)	*105*		*46 - 120*	*02/26/21 09:50*	*03/03/21 15:47*	*1*
p-Terphenyl-d14 (Surr)	*93*		*60 - 148*	*02/26/21 09:50*	*03/03/21 15:47*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.7	0.57	ng/L		03/03/21 08:24	03/03/21 21:35	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	**3.5**	**J**	4.3	0.63	ng/L		03/03/21 08:24	03/03/21 21:35	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.3	0.81	ng/L		03/03/21 08:24	03/03/21 21:35	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.3	0.69	ng/L		03/03/21 08:24	03/03/21 21:35	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.7	0.55	ng/L		03/03/21 08:24	03/03/21 21:35	1
Perfluorobutanoic acid (PFBA)	ND		4.3	0.98	ng/L		03/03/21 08:24	03/03/21 21:35	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.42	ng/L		03/03/21 08:24	03/03/21 21:35	1
Perfluorodecanoic acid (PFDA)	ND		1.7	0.40	ng/L		03/03/21 08:24	03/03/21 21:35	1
Perfluorododecanoic acid (PFDoA)	ND		1.7	0.40	ng/L		03/03/21 08:24	03/03/21 21:35	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.7	0.34	ng/L		03/03/21 08:24	03/03/21 21:35	1
Perfluoroheptanoic acid (PFHpA)	ND		1.7	0.40	ng/L		03/03/21 08:24	03/03/21 21:35	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.7	0.58	ng/L		03/03/21 08:24	03/03/21 21:35	1
Perfluorohexanoic acid (PFHxA)	ND		1.7	0.72	ng/L		03/03/21 08:24	03/03/21 21:35	1
Perfluorononanoic acid (PFNA)	ND		1.7	0.50	ng/L		03/03/21 08:24	03/03/21 21:35	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.7	0.49	ng/L		03/03/21 08:24	03/03/21 21:35	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.7	0.76	ng/L		03/03/21 08:24	03/03/21 21:35	1
Perfluorooctanoic acid (PFOA)	ND		1.7	0.85	ng/L		03/03/21 08:24	03/03/21 21:35	1
Perfluoropentanoic acid (PFPeA)	ND		1.7	0.94	ng/L		03/03/21 08:24	03/03/21 21:35	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.7	0.51	ng/L		03/03/21 08:24	03/03/21 21:35	1
Perfluorotridecanoic acid (PFTriA)	ND		1.7	0.37	ng/L		03/03/21 08:24	03/03/21 21:35	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.63	ng/L		03/03/21 08:24	03/03/21 21:35	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFDA	*87*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:35*	*1*
13C2 PFDoA	*65*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:35*	*1*
13C2 PFHxA	*105*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:35*	*1*
13C2 PFTeDA	*68*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:35*	*1*

Client Sample ID: MW-2D-022321

Lab Sample ID: 480-181441-9

Date Collected: 02/23/21 16:20

Matrix: Water

Date Received: 02/25/21 11:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFUnA	*73*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:35*	*1*
13C3 PFBS	*101*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:35*	*1*
13C4 PFBA	*91*		*25 - 150*	*03/03/21 08:24*	*03/03/21 21:35*	*1*
13C4 PFHpA	*110*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:35*	*1*
13C4 PFOA	*104*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:35*	*1*
13C4 PFOS	*100*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:35*	*1*
13C5 PFNA	*101*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:35*	*1*
13C5 PFPeA	*101*		*25 - 150*	*03/03/21 08:24*	*03/03/21 21:35*	*1*
13C8 FOSA	*87*		*25 - 150*	*03/03/21 08:24*	*03/03/21 21:35*	*1*
18O2 PFHxS	*105*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:35*	*1*
d3-NMeFOSAA	*70*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:35*	*1*
d5-NEtFOSAA	*73*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:35*	*1*
M2-6:2 FTS	*100*		*25 - 150*	*03/03/21 08:24*	*03/03/21 21:35*	*1*
M2-8:2 FTS	*98*		*25 - 150*	*03/03/21 08:24*	*03/03/21 21:35*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		03/02/21 21:51	03/03/21 19:57	1

Client Sample ID: MW-4S-022221

Lab Sample ID: 480-181441-10

Date Collected: 02/22/21 14:20

Matrix: Water

Date Received: 02/25/21 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			02/27/21 16:51	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/27/21 16:51	1
Toluene	ND		1.0	0.51	ug/L			02/27/21 16:51	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/27/21 16:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*02/27/21 16:51*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*02/27/21 16:51*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*02/27/21 16:51*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*02/27/21 16:51*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.4	0.45	ug/L		02/26/21 09:50	03/03/21 16:17	1
Acenaphthylene	ND		5.4	0.41	ug/L		02/26/21 09:50	03/03/21 16:17	1
Anthracene	ND		5.4	0.30	ug/L		02/26/21 09:50	03/03/21 16:17	1
Benzo[a]anthracene	ND		5.4	0.39	ug/L		02/26/21 09:50	03/03/21 16:17	1
Benzo[a]pyrene	ND		5.4	0.51	ug/L		02/26/21 09:50	03/03/21 16:17	1
Benzo[b]fluoranthene	ND		5.4	0.37	ug/L		02/26/21 09:50	03/03/21 16:17	1
Benzo[g,h,i]perylene	ND		5.4	0.38	ug/L		02/26/21 09:50	03/03/21 16:17	1
Benzo[k]fluoranthene	ND		5.4	0.79	ug/L		02/26/21 09:50	03/03/21 16:17	1
Chrysene	ND		5.4	0.36	ug/L		02/26/21 09:50	03/03/21 16:17	1
Dibenz(a,h)anthracene	ND		5.4	0.46	ug/L		02/26/21 09:50	03/03/21 16:17	1
Fluoranthene	ND		5.4	0.43	ug/L		02/26/21 09:50	03/03/21 16:17	1
Fluorene	ND		5.4	0.39	ug/L		02/26/21 09:50	03/03/21 16:17	1
Indeno[1,2,3-cd]pyrene	ND		5.4	0.51	ug/L		02/26/21 09:50	03/03/21 16:17	1

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-181441-1

Client Sample ID: MW-4S-022221
Date Collected: 02/22/21 14:20
Date Received: 02/25/21 11:00

Lab Sample ID: 480-181441-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.4	0.83	ug/L		02/26/21 09:50	03/03/21 16:17	1
Phenanthrene	ND		5.4	0.48	ug/L		02/26/21 09:50	03/03/21 16:17	1
Pyrene	ND		5.4	0.37	ug/L		02/26/21 09:50	03/03/21 16:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*101*		*48 - 120*	*02/26/21 09:50*	*03/03/21 16:17*	*1*
Nitrobenzene-d5 (Surr)	*102*		*46 - 120*	*02/26/21 09:50*	*03/03/21 16:17*	*1*
p-Terphenyl-d14 (Surr)	*88*		*60 - 148*	*02/26/21 09:50*	*03/03/21 16:17*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.7	0.57	ng/L		03/03/21 08:24	03/03/21 21:43	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	**0.66**	**J**	4.3	0.62	ng/L		03/03/21 08:24	03/03/21 21:43	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	**2.3**	**J**	4.3	0.80	ng/L		03/03/21 08:24	03/03/21 21:43	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	**0.89**	**J**	4.3	0.68	ng/L		03/03/21 08:24	03/03/21 21:43	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.7	0.54	ng/L		03/03/21 08:24	03/03/21 21:43	1
Perfluorobutanoic acid (PFBA)	**9.7**		4.3	0.97	ng/L		03/03/21 08:24	03/03/21 21:43	1
Perfluorodecanesulfonic acid (PFDS)	**3.4**		1.7	0.41	ng/L		03/03/21 08:24	03/03/21 21:43	1
Perfluorodecanoic acid (PFDA)	ND		1.7	0.39	ng/L		03/03/21 08:24	03/03/21 21:43	1
Perfluorododecanoic acid (PFDoA)	**4.5**		1.7	0.39	ng/L		03/03/21 08:24	03/03/21 21:43	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.7	0.33	ng/L		03/03/21 08:24	03/03/21 21:43	1
Perfluoroheptanoic acid (PFHpA)	ND		1.7	0.39	ng/L		03/03/21 08:24	03/03/21 21:43	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.7	0.57	ng/L		03/03/21 08:24	03/03/21 21:43	1
Perfluorohexanoic acid (PFHxA)	**1.5**	**J**	1.7	0.71	ng/L		03/03/21 08:24	03/03/21 21:43	1
Perfluorononanoic acid (PFNA)	ND		1.7	0.50	ng/L		03/03/21 08:24	03/03/21 21:43	1
Perfluorooctanesulfonamide (PFOSA)	**2.2**		1.7	0.49	ng/L		03/03/21 08:24	03/03/21 21:43	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.7	0.75	ng/L		03/03/21 08:24	03/03/21 21:43	1
Perfluorooctanoic acid (PFOA)	ND		1.7	0.84	ng/L		03/03/21 08:24	03/03/21 21:43	1
Perfluoropentanoic acid (PFPeA)	**3.0**		1.7	0.93	ng/L		03/03/21 08:24	03/03/21 21:43	1
Perfluorotetradecanoic acid (PFTeA)	**3.4**		1.7	0.51	ng/L		03/03/21 08:24	03/03/21 21:43	1
Perfluorotridecanoic acid (PFTriA)	**3.8**		1.7	0.37	ng/L		03/03/21 08:24	03/03/21 21:43	1
Perfluoroundecanoic acid (PFUnA)	**1.8**		1.7	0.63	ng/L		03/03/21 08:24	03/03/21 21:43	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFDA	*93*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:43*	*1*
13C2 PFDoA	*80*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:43*	*1*
13C2 PFHxA	*106*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:43*	*1*
13C2 PFTeDA	*82*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:43*	*1*
13C2 PFUnA	*85*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:43*	*1*
13C3 PFBS	*100*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:43*	*1*
13C4 PFBA	*82*		*25 - 150*	*03/03/21 08:24*	*03/03/21 21:43*	*1*
13C4 PFHpA	*106*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:43*	*1*
13C4 PFOA	*104*		*50 - 150*	*03/03/21 08:24*	*03/03/21 21:43*	*1*

Client Sample ID: MW-4S-022221

Lab Sample ID: 480-181441-10

Date Collected: 02/22/21 14:20

Matrix: Water

Date Received: 02/25/21 11:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	101		50 - 150	03/03/21 08:24	03/03/21 21:43	1
13C5 PFNA	103		50 - 150	03/03/21 08:24	03/03/21 21:43	1
13C5 PFPeA	105		25 - 150	03/03/21 08:24	03/03/21 21:43	1
13C8 FOSA	95		25 - 150	03/03/21 08:24	03/03/21 21:43	1
18O2 PFHxS	106		50 - 150	03/03/21 08:24	03/03/21 21:43	1
d3-NMeFOSAA	81		50 - 150	03/03/21 08:24	03/03/21 21:43	1
d5-NEtFOSAA	83		50 - 150	03/03/21 08:24	03/03/21 21:43	1
M2-6:2 FTS	105		25 - 150	03/03/21 08:24	03/03/21 21:43	1
M2-8:2 FTS	99		25 - 150	03/03/21 08:24	03/03/21 21:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.0054	J	0.010	0.0050	mg/L		03/02/21 21:51	03/03/21 19:58	1

Client Sample ID: MW-6S-022221

Lab Sample ID: 480-181441-11

Date Collected: 02/22/21 13:20

Matrix: Water

Date Received: 02/25/21 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			02/27/21 17:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/27/21 17:16	1
Toluene	ND		1.0	0.51	ug/L			02/27/21 17:16	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/27/21 17:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		77 - 120		02/27/21 17:16	1
4-Bromofluorobenzene (Surr)	96		73 - 120		02/27/21 17:16	1
Dibromofluoromethane (Surr)	109		75 - 123		02/27/21 17:16	1
Toluene-d8 (Surr)	98		80 - 120		02/27/21 17:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.4	0.45	ug/L		02/26/21 09:50	03/03/21 16:46	1
Acenaphthylene	ND		5.4	0.41	ug/L		02/26/21 09:50	03/03/21 16:46	1
Anthracene	ND		5.4	0.30	ug/L		02/26/21 09:50	03/03/21 16:46	1
Benzo[a]anthracene	ND		5.4	0.39	ug/L		02/26/21 09:50	03/03/21 16:46	1
Benzo[a]pyrene	ND		5.4	0.51	ug/L		02/26/21 09:50	03/03/21 16:46	1
Benzo[b]fluoranthene	ND		5.4	0.37	ug/L		02/26/21 09:50	03/03/21 16:46	1
Benzo[g,h,i]perylene	ND		5.4	0.38	ug/L		02/26/21 09:50	03/03/21 16:46	1
Benzo[k]fluoranthene	ND		5.4	0.79	ug/L		02/26/21 09:50	03/03/21 16:46	1
Chrysene	ND		5.4	0.36	ug/L		02/26/21 09:50	03/03/21 16:46	1
Dibenz(a,h)anthracene	ND		5.4	0.46	ug/L		02/26/21 09:50	03/03/21 16:46	1
Fluoranthene	ND		5.4	0.43	ug/L		02/26/21 09:50	03/03/21 16:46	1
Fluorene	ND		5.4	0.39	ug/L		02/26/21 09:50	03/03/21 16:46	1
Indeno[1,2,3-cd]pyrene	ND		5.4	0.51	ug/L		02/26/21 09:50	03/03/21 16:46	1
Naphthalene	ND		5.4	0.83	ug/L		02/26/21 09:50	03/03/21 16:46	1
Phenanthrene	ND		5.4	0.48	ug/L		02/26/21 09:50	03/03/21 16:46	1
Pyrene	ND		5.4	0.37	ug/L		02/26/21 09:50	03/03/21 16:46	1

Client Sample ID: MW-6S-022221
Date Collected: 02/22/21 13:20
Date Received: 02/25/21 11:00

Lab Sample ID: 480-181441-11
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	100		48 - 120	02/26/21 09:50	03/03/21 16:46	1
Nitrobenzene-d5 (Surr)	101		46 - 120	02/26/21 09:50	03/03/21 16:46	1
p-Terphenyl-d14 (Surr)	92		60 - 148	02/26/21 09:50	03/03/21 16:46	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.7	0.57	ng/L		03/03/21 08:24	03/03/21 21:52	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	**4.2**	**J**	4.3	0.62	ng/L		03/03/21 08:24	03/03/21 21:52	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.3	0.80	ng/L		03/03/21 08:24	03/03/21 21:52	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.3	0.68	ng/L		03/03/21 08:24	03/03/21 21:52	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.7	0.54	ng/L		03/03/21 08:24	03/03/21 21:52	1
Perfluorobutanoic acid (PFBA)	**2.0**	**J**	4.3	0.98	ng/L		03/03/21 08:24	03/03/21 21:52	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.41	ng/L		03/03/21 08:24	03/03/21 21:52	1
Perfluorodecanoic acid (PFDA)	ND		1.7	0.40	ng/L		03/03/21 08:24	03/03/21 21:52	1
Perfluorododecanoic acid (PFDoA)	ND		1.7	0.40	ng/L		03/03/21 08:24	03/03/21 21:52	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.7	0.34	ng/L		03/03/21 08:24	03/03/21 21:52	1
Perfluoroheptanoic acid (PFHpA)	ND		1.7	0.40	ng/L		03/03/21 08:24	03/03/21 21:52	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.7	0.58	ng/L		03/03/21 08:24	03/03/21 21:52	1
Perfluorohexanoic acid (PFHxA)	ND		1.7	0.72	ng/L		03/03/21 08:24	03/03/21 21:52	1
Perfluorononanoic acid (PFNA)	ND		1.7	0.50	ng/L		03/03/21 08:24	03/03/21 21:52	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.7	0.49	ng/L		03/03/21 08:24	03/03/21 21:52	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.7	0.75	ng/L		03/03/21 08:24	03/03/21 21:52	1
Perfluorooctanoic acid (PFOA)	ND		1.7	0.85	ng/L		03/03/21 08:24	03/03/21 21:52	1
Perfluoropentanoic acid (PFPeA)	ND		1.7	0.93	ng/L		03/03/21 08:24	03/03/21 21:52	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.7	0.51	ng/L		03/03/21 08:24	03/03/21 21:52	1
Perfluorotridecanoic acid (PFTriA)	ND		1.7	0.37	ng/L		03/03/21 08:24	03/03/21 21:52	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.63	ng/L		03/03/21 08:24	03/03/21 21:52	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	91		50 - 150	03/03/21 08:24	03/03/21 21:52	1
13C2 PFDoA	76		50 - 150	03/03/21 08:24	03/03/21 21:52	1
13C2 PFHxA	103		50 - 150	03/03/21 08:24	03/03/21 21:52	1
13C2 PFTeDA	73		50 - 150	03/03/21 08:24	03/03/21 21:52	1
13C2 PFUnA	81		50 - 150	03/03/21 08:24	03/03/21 21:52	1
13C3 PFBS	102		50 - 150	03/03/21 08:24	03/03/21 21:52	1
13C4 PFBA	91		25 - 150	03/03/21 08:24	03/03/21 21:52	1
13C4 PFHpA	101		50 - 150	03/03/21 08:24	03/03/21 21:52	1
13C4 PFOA	103		50 - 150	03/03/21 08:24	03/03/21 21:52	1
13C4 PFOS	101		50 - 150	03/03/21 08:24	03/03/21 21:52	1
13C5 PFNA	103		50 - 150	03/03/21 08:24	03/03/21 21:52	1
13C5 PFPeA	102		25 - 150	03/03/21 08:24	03/03/21 21:52	1
13C8 FOSA	86		25 - 150	03/03/21 08:24	03/03/21 21:52	1
18O2 PFHxS	105		50 - 150	03/03/21 08:24	03/03/21 21:52	1
d3-NMeFOSAA	80		50 - 150	03/03/21 08:24	03/03/21 21:52	1
d5-NEtFOSAA	86		50 - 150	03/03/21 08:24	03/03/21 21:52	1
M2-6:2 FTS	102		25 - 150	03/03/21 08:24	03/03/21 21:52	1
M2-8:2 FTS	95		25 - 150	03/03/21 08:24	03/03/21 21:52	1

Client Sample ID: MW-6S-022221
Lab Sample ID: 480-181441-11
Date Collected: 02/22/21 13:20
Matrix: Water
Date Received: 02/25/21 11:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		03/02/21 21:51	03/03/21 20:00	1

Client Sample ID: TMW-2D-022421
Lab Sample ID: 480-181441-12
Date Collected: 02/24/21 10:20
Matrix: Water
Date Received: 02/25/21 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			02/27/21 17:41	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/27/21 17:41	1
Toluene	ND		1.0	0.51	ug/L			02/27/21 17:41	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/27/21 17:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*02/27/21 17:41*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*02/27/21 17:41*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*02/27/21 17:41*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*02/27/21 17:41*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.4	0.45	ug/L		02/26/21 09:50	03/03/21 17:16	1
Acenaphthylene	ND		5.4	0.41	ug/L		02/26/21 09:50	03/03/21 17:16	1
Anthracene	ND		5.4	0.30	ug/L		02/26/21 09:50	03/03/21 17:16	1
Benzo[a]anthracene	ND		5.4	0.39	ug/L		02/26/21 09:50	03/03/21 17:16	1
Benzo[a]pyrene	ND		5.4	0.51	ug/L		02/26/21 09:50	03/03/21 17:16	1
Benzo[b]fluoranthene	ND		5.4	0.37	ug/L		02/26/21 09:50	03/03/21 17:16	1
Benzo[g,h,i]perylene	ND		5.4	0.38	ug/L		02/26/21 09:50	03/03/21 17:16	1
Benzo[k]fluoranthene	ND		5.4	0.79	ug/L		02/26/21 09:50	03/03/21 17:16	1
Chrysene	ND		5.4	0.36	ug/L		02/26/21 09:50	03/03/21 17:16	1
Dibenz(a,h)anthracene	ND		5.4	0.46	ug/L		02/26/21 09:50	03/03/21 17:16	1
Fluoranthene	ND		5.4	0.43	ug/L		02/26/21 09:50	03/03/21 17:16	1
Fluorene	ND		5.4	0.39	ug/L		02/26/21 09:50	03/03/21 17:16	1
Indeno[1,2,3-cd]pyrene	ND		5.4	0.51	ug/L		02/26/21 09:50	03/03/21 17:16	1
Naphthalene	ND		5.4	0.83	ug/L		02/26/21 09:50	03/03/21 17:16	1
Phenanthrene	ND		5.4	0.48	ug/L		02/26/21 09:50	03/03/21 17:16	1
Pyrene	ND		5.4	0.37	ug/L		02/26/21 09:50	03/03/21 17:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*103*		*48 - 120*	*02/26/21 09:50*	*03/03/21 17:16*	*1*
Nitrobenzene-d5 (Surr)	*104*		*46 - 120*	*02/26/21 09:50*	*03/03/21 17:16*	*1*
p-Terphenyl-d14 (Surr)	*93*		*60 - 148*	*02/26/21 09:50*	*03/03/21 17:16*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.7	0.56	ng/L		03/03/21 08:24	03/03/21 22:00	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	**1.6**	**J**	4.2	0.61	ng/L		03/03/21 08:24	03/03/21 22:00	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.2	0.79	ng/L		03/03/21 08:24	03/03/21 22:00	1

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-181441-1

Client Sample ID: TMW-2D-022421
Date Collected: 02/24/21 10:20
Date Received: 02/25/21 11:00

Lab Sample ID: 480-181441-12
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.2	0.67	ng/L		03/03/21 08:24	03/03/21 22:00	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.7	0.53	ng/L		03/03/21 08:24	03/03/21 22:00	1
Perfluorobutanoic acid (PFBA)	ND		4.2	0.96	ng/L		03/03/21 08:24	03/03/21 22:00	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.41	ng/L		03/03/21 08:24	03/03/21 22:00	1
Perfluorodecanoic acid (PFDA)	ND		1.7	0.39	ng/L		03/03/21 08:24	03/03/21 22:00	1
Perfluorododecanoic acid (PFDoA)	ND		1.7	0.39	ng/L		03/03/21 08:24	03/03/21 22:00	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.7	0.33	ng/L		03/03/21 08:24	03/03/21 22:00	1
Perfluoroheptanoic acid (PFHpA)	ND		1.7	0.39	ng/L		03/03/21 08:24	03/03/21 22:00	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.7	0.57	ng/L		03/03/21 08:24	03/03/21 22:00	1
Perfluorohexanoic acid (PFHxA)	ND		1.7	0.70	ng/L		03/03/21 08:24	03/03/21 22:00	1
Perfluorononanoic acid (PFNA)	ND		1.7	0.49	ng/L		03/03/21 08:24	03/03/21 22:00	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.7	0.48	ng/L		03/03/21 08:24	03/03/21 22:00	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.7	0.74	ng/L		03/03/21 08:24	03/03/21 22:00	1
Perfluorooctanoic acid (PFOA)	ND		1.7	0.83	ng/L		03/03/21 08:24	03/03/21 22:00	1
Perfluoropentanoic acid (PFPeA)	ND		1.7	0.91	ng/L		03/03/21 08:24	03/03/21 22:00	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.7	0.50	ng/L		03/03/21 08:24	03/03/21 22:00	1
Perfluorotridecanoic acid (PFTriA)	ND		1.7	0.36	ng/L		03/03/21 08:24	03/03/21 22:00	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.62	ng/L		03/03/21 08:24	03/03/21 22:00	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFDA	*99*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:00*	*1*
13C2 PFDoA	*77*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:00*	*1*
13C2 PFHxA	*107*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:00*	*1*
13C2 PFTeDA	*79*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:00*	*1*
13C2 PFUnA	*81*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:00*	*1*
13C3 PFBS	*98*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:00*	*1*
13C4 PFBA	*87*		*25 - 150*	*03/03/21 08:24*	*03/03/21 22:00*	*1*
13C4 PFHpA	*106*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:00*	*1*
13C4 PFOA	*105*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:00*	*1*
13C4 PFOS	*104*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:00*	*1*
13C5 PFNA	*102*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:00*	*1*
13C5 PFPeA	*104*		*25 - 150*	*03/03/21 08:24*	*03/03/21 22:00*	*1*
13C8 FOSA	*90*		*25 - 150*	*03/03/21 08:24*	*03/03/21 22:00*	*1*
18O2 PFHxS	*101*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:00*	*1*
d3-NMeFOSAA	*84*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:00*	*1*
d5-NEtFOSAA	*79*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:00*	*1*
M2-6:2 FTS	*107*		*25 - 150*	*03/03/21 08:24*	*03/03/21 22:00*	*1*
M2-8:2 FTS	*101*		*25 - 150*	*03/03/21 08:24*	*03/03/21 22:00*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		03/02/21 21:51	03/03/21 20:04	1

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-181441-1

Client Sample ID: EQUIP BLANK

Date Collected: 02/23/21 13:35
Date Received: 02/25/21 11:00

Lab Sample ID: 480-181441-13

Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.7	0.58	ng/L		03/03/21 08:24	03/03/21 22:08	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.4	0.63	ng/L		03/03/21 08:24	03/03/21 22:08	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.4	0.81	ng/L		03/03/21 08:24	03/03/21 22:08	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.4	0.69	ng/L		03/03/21 08:24	03/03/21 22:08	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.7	0.55	ng/L		03/03/21 08:24	03/03/21 22:08	1
Perfluorobutanoic acid (PFBA)	ND		4.4	0.98	ng/L		03/03/21 08:24	03/03/21 22:08	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.42	ng/L		03/03/21 08:24	03/03/21 22:08	1
Perfluorodecanoic acid (PFDA)	ND		1.7	0.40	ng/L		03/03/21 08:24	03/03/21 22:08	1
Perfluorododecanoic acid (PFDoA)	ND		1.7	0.40	ng/L		03/03/21 08:24	03/03/21 22:08	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.7	0.34	ng/L		03/03/21 08:24	03/03/21 22:08	1
Perfluoroheptanoic acid (PFHpA)	ND		1.7	0.40	ng/L		03/03/21 08:24	03/03/21 22:08	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.7	0.58	ng/L		03/03/21 08:24	03/03/21 22:08	1
Perfluorohexanoic acid (PFHxA)	ND		1.7	0.72	ng/L		03/03/21 08:24	03/03/21 22:08	1
Perfluorononanoic acid (PFNA)	ND		1.7	0.51	ng/L		03/03/21 08:24	03/03/21 22:08	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.7	0.50	ng/L		03/03/21 08:24	03/03/21 22:08	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.7	0.76	ng/L		03/03/21 08:24	03/03/21 22:08	1
Perfluorooctanoic acid (PFOA)	ND		1.7	0.85	ng/L		03/03/21 08:24	03/03/21 22:08	1
Perfluoropentanoic acid (PFPeA)	ND		1.7	0.94	ng/L		03/03/21 08:24	03/03/21 22:08	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.7	0.51	ng/L		03/03/21 08:24	03/03/21 22:08	1
Perfluorotridecanoic acid (PFTriA)	ND		1.7	0.37	ng/L		03/03/21 08:24	03/03/21 22:08	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.64	ng/L		03/03/21 08:24	03/03/21 22:08	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFDA	*107*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:08*	*1*
13C2 PFDoA	*88*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:08*	*1*
13C2 PFHxA	*112*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:08*	*1*
13C2 PFTeDA	*79*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:08*	*1*
13C2 PFUnA	*98*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:08*	*1*
13C3 PFBS	*106*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:08*	*1*
13C4 PFBA	*110*		*25 - 150*	*03/03/21 08:24*	*03/03/21 22:08*	*1*
13C4 PFHpA	*112*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:08*	*1*
13C4 PFOA	*107*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:08*	*1*
13C4 PFOS	*110*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:08*	*1*
13C5 PFNA	*105*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:08*	*1*
13C5 PFPeA	*108*		*25 - 150*	*03/03/21 08:24*	*03/03/21 22:08*	*1*
13C8 FOSA	*87*		*25 - 150*	*03/03/21 08:24*	*03/03/21 22:08*	*1*
18O2 PFHxS	*106*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:08*	*1*
d3-NMeFOSAA	*91*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:08*	*1*
d5-NEtFOSAA	*92*		*50 - 150*	*03/03/21 08:24*	*03/03/21 22:08*	*1*
M2-6:2 FTS	*108*		*25 - 150*	*03/03/21 08:24*	*03/03/21 22:08*	*1*
M2-8:2 FTS	*117*		*25 - 150*	*03/03/21 08:24*	*03/03/21 22:08*	*1*

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-181441-1

Client Sample ID: TRIP BLANK

Date Collected: 02/24/21 00:00
Date Received: 02/25/21 11:00

Lab Sample ID: 480-181441-14

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			03/01/21 12:23	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/01/21 12:23	1
Toluene	ND		1.0	0.51	ug/L			03/01/21 12:23	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/01/21 12:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*03/01/21 12:23*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*03/01/21 12:23*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*03/01/21 12:23*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*03/01/21 12:23*	*1*

Appendix C

Support Documentation

Case Narrative

Client: New York State Electric & Gas
Project/Site: NYSEG - Penn Yan Water St. MGP

Job ID: 480-181441-1

Job ID: 480-181441-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-181441-1

Comments
No additional comments.

Receipt
The samples were received on 2/25/2021 11:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.6º C and 2.2º C.

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

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

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

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

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

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Matrix: Water Level: Low Lab File ID: C4307.D

Lab ID: 480-181441-8 MS Client ID: MW-2S-022321 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Benzene	25.0	ND	27.1	108	71-124	
Ethylbenzene	25.0	ND	27.3	109	77-123	
Toluene	25.0	ND	27.6	111	80-122	
Xylenes, Total	50.0	ND	55.0	110	76-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-181441-1

SDG No.:

Matrix: Water Level: Low Lab File ID: C4308.D

Lab ID: 480-181441-8 MSD Client ID: MW-2S-022321 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Benzene	25.0	23.1	92	16	13	71-124	F2
Ethylbenzene	25.0	24.2	97	12	15	77-123	
Toluene	25.0	23.9	96	14	15	80-122	
Xylenes, Total	50.0	48.3	97	13	16	76-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

LCMS ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Instrument ID: LC812 Start Date: 03/03/2021 18:58

Analysis Batch Number: 164492 End Date: 03/03/2021 22:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 200-164492/1		03/03/2021 18:58	1	PA210303B01.d	C-18 4.6(mm)
MB 200-164458/1-A		03/03/2021 19:06	1	PA210303B02.d	C-18 4.6(mm)
LCS 200-164458/2-A		03/03/2021 19:14	1	PA210303B03.d	C-18 4.6(mm)
ZZZZZ		03/03/2021 19:22	1		C-18 4.6(mm)
ZZZZZ		03/03/2021 19:31	1		C-18 4.6(mm)
ZZZZZ		03/03/2021 19:39	1		C-18 4.6(mm)
ZZZZZ		03/03/2021 19:47	1		C-18 4.6(mm)
ZZZZZ		03/03/2021 19:56	1		C-18 4.6(mm)
480-181441-1	MW-6D-022221	03/03/2021 20:04	1	PA210303B09.d	C-18 4.6(mm)
480-181441-2	MW5S-022221	03/03/2021 20:12	1	PA210303B10.d	C-18 4.6(mm)
480-181441-3	MW-5D-022221	03/03/2021 20:21	1	PA210303B11.d	C-18 4.6(mm)
480-181441-4	MW-3D-022321	03/03/2021 20:29	1	PA210303B12.d	C-18 4.6(mm)
480-181441-5	MW-3S-022321	03/03/2021 20:37	1	PA210303B13.d	C-18 4.6(mm)
CCV 200-164492/14		03/03/2021 20:45	1	PA210303B14.d	C-18 4.6(mm)
480-181441-6	DUP-1-022321	03/03/2021 20:54	1	PA210303B15.d	C-18 4.6(mm)
480-181441-7	MW-1S-022221	03/03/2021 21:02	1	PA210303B16.d	C-18 4.6(mm)
480-181441-8	MW-2S-022321	03/03/2021 21:10	1	PA210303B17.d	C-18 4.6(mm)
480-181441-8 MS	MW-2S-022321 MS	03/03/2021 21:19	1	PA210303B18.d	C-18 4.6(mm)
480-181441-8 MSD	MW-2S-022321 MSD	03/03/2021 21:27	1	PA210303B19.d	C-18 4.6(mm)
480-181441-9	MW-2D-022321	03/03/2021 21:35	1	PA210303B20.d	C-18 4.6(mm)
480-181441-10	MW-4S-022221	03/03/2021 21:43	1	PA210303B21.d	C-18 4.6(mm)
480-181441-11	MW-6S-022221	03/03/2021 21:52	1	PA210303B22.d	C-18 4.6(mm)
480-181441-12	TMW-2D-022421	03/03/2021 22:00	1	PA210303B23.d	C-18 4.6(mm)
480-181441-13	EQUIP BLANK	03/03/2021 22:08	1	PA210303B24.d	C-18 4.6(mm)
ZZZZZ		03/03/2021 22:17	1		C-18 4.6(mm)
ZZZZZ		03/03/2021 22:25	1		C-18 4.6(mm)
CCV 200-164492/27		03/03/2021 22:33	1	PA210303B27.d	C-18 4.6(mm)

537 (modified)

FORM VII
LCMS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Lab Sample ID: CCV 200-164492/14 Calibration Date: 03/03/2021 20:45

Instrument ID: LC812 Calib Start Date: 12/22/2020 12:48

GC Column: C-18 ID: 4.60(mm) Calib End Date: 12/22/2020 13:29

Lab File ID: PA210303B14.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorobutanoic acid (PFBA)	AveID	1.002	0.9808		0.979	1.00	-2.1	40.0
Perfluoropentanoic acid (PFPeA)	AveID	1.107	1.073		0.969	1.00	-3.1	40.0
Perfluorobutanesulfonic acid (PFBS)	AveID	1.131	1.136		0.888	0.884	0.4	40.0
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)	AveID	1.834	2.006		1.02	0.934	9.4	50.0
Perfluorohexanoic acid (PFHxA)	AveID	1.092	1.108		1.01	1.00	1.4	40.0
Perfluoropentanesulfonic acid	AveID	1.312	1.350		0.965	0.938	2.9	50.0
HFPO-DA Not a target analyte GAM 3/17/21	AveID	1.385	1.996		1.44	1.00	44.1*	40.0
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.178	1.160		0.896	0.910	-1.6	40.0
Perfluoroheptanoic acid (PFHpA)	AveID	1.092	1.137		1.04	1.00	4.1	40.0
DONA	AveID	3.349	3.558		1.00	0.942	6.3	50.0
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	AveID	1.112	1.046		0.891	0.948	-6.0	40.0
Perfluoroheptanesulfonic Acid (PFHpS)	AveID	1.350	1.360		0.959	0.952	0.7	50.0
Perfluorooctanoic acid (PFOA)	AveID	1.084	1.078		0.994	1.00	-0.6	40.0
Perfluorooctanesulfonic acid (PFOS)	AveID	1.150	1.163		0.939	0.928	1.2	40.0
Perfluorononanoic acid (PFNA)	AveID	1.107	1.085		0.980	1.00	-2.0	40.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	AveID	1.283	1.177		0.855	0.932	-8.3	50.0
Perfluorononanesulfonic acid	AveID	0.8581	0.8652		0.968	0.960	0.8	50.0
Perfluorodecanoic acid (PFDA)	AveID	1.031	1.040		1.01	1.00	1.0	40.0
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	AveID	0.6801	0.5765		0.812	0.958	-15.2	40.0
Perfluorooctanesulfonamide (PFOSA)	AveID	1.002	1.041		1.04	1.00	3.9	40.0
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	0.8864	0.9456		1.07	1.00	6.7	40.0
Perfluorodecanesulfonic acid (PFDS)	AveID	0.6841	0.6972		0.983	0.964	1.9	50.0
Perfluoroundecanoic acid (PFUnA)	AveID	1.020	1.107		1.09	1.00	8.6	40.0
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.9257	0.9263		1.00	1.00	0.0	40.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	AveID	1.331	1.085		0.767	0.942	-18.5	50.0
Perfluorododecanoic acid (PFDoA)	AveID	1.100	1.069		0.972	1.00	-2.8	40.0
10:2 FTS	AveID	0.3501	0.3026		0.833	0.964	-13.6	50.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.2517	0.2523		0.970	0.968	0.3	50.0
Perfluorotridecanoic acid (PFTriA)	AveID	0.8926	0.9112		1.02	1.00	2.1	50.0

FORM VII
LCMS CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 480-181441-1

SDG No.:

Lab Sample ID: CCV 200-164492/14 Calibration Date: 03/03/2021 20:45

Instrument ID: LC812 Calib Start Date: 12/22/2020 12:48

GC Column: C-18 ID: 4.60(mm) Calib End Date: 12/22/2020 13:29

Lab File ID: PA210303B14.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorotetradecanoic acid (PFTeA)	AveID	0.1855	0.1971		1.06	1.00	6.3	40.0
Perfluoro-n-hexadecanoic acid (PFHxDA)	L1ID		0.996		1.05	1.00	5.4	40.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	0.8998	0.8077		0.898	1.00	-10.2	50.0
13C4 PFBA	Ave	1.343	1.313		1.22	1.25	-2.3	50.0
13C5 PFPeA	Ave	0.9710	0.9612		1.24	1.25	-1.0	50.0
13C3 PFBS	Ave	1.278	1.215		1.11	1.16	-4.9	50.0
M2-4:2 FTS	Ave	0.1066	0.0905		0.991	1.17	-15.1	50.0
13C2 PFHxA	Ave	1.018	1.008		1.24	1.25	-1.0	50.0
13C3 HFPO-DA	Ave	0.1792	0.1064		0.742	1.25	-40.6	50.0
13C4 PFHpA	Ave	0.9742	0.9503		1.22	1.25	-2.5	50.0
18O2 PFHxS	Ave	0.9511	0.9173		1.14	1.18	-3.6	50.0
M2-6:2 FTS	Ave	0.1187	0.1122		1.12	1.19	-5.5	50.0
13C4 PFOA	Ave	0.9896	0.9582		1.21	1.25	-3.2	50.0
13C4 PFOS	Ave	0.6528	0.6183		1.13	1.20	-5.3	50.0
13C5 PFNA	Ave	0.8730	0.8148		1.17	1.25	-6.7	50.0
13C2 PFDA	Ave	0.8346	0.7485		1.12	1.25	-10.3	50.0
M2-8:2 FTS	Ave	0.1225	0.1125		1.10	1.20	-8.2	50.0
13C8 FOSA	Ave	1.227	1.138		1.16	1.25	-7.2	50.0
d3-NMeFOSAA	Ave	0.0605	0.0487		1.00	1.25	-19.6	50.0
13C2 PFUnA	Ave	0.6856	0.5649		1.03	1.25	-17.6	50.0
d5-NEtFOSAA	Ave	0.0585	0.0501		1.07	1.25	-14.4	50.0
13C2 PFDoA	Ave	0.7238	0.5944		1.03	1.25	-17.9	50.0
13C2 PFTeDA	Ave	0.5353	0.4550		1.06	1.25	-15.0	50.0
13C2 PFHxDA	Ave	0.5718	0.4729		1.03	1.25	-17.3	50.0

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing America

Syracuse #225

Client Information	Sampler: M. ONeill / P. McHugh	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-157042-34603.1
Client Contact: Mr. John Ruspantini	Phone: 315-569-4616	E-Mail: John.Schove@Eurofinset.com	State of Origin:	Page: Page 1 of 2
Company: New York State Electric & Gas	PWSID:			Job #:
Address: 18 Link Drive	Due Date Requested:			
City: Binghamton	TAT Requested (days): Standard			
State, Zip: NY, 13902	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order Requested			
Email: jjruspantini@nyseg.com	WO #: NYSEG/John Ruspantini			
Project Name: NYSEG - Penn Yan Water St. MGP	Project #: 48023403			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

480-181441 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA - PFAS, Standard List (21 analytes)	8270D - PAH Semivolatiles	8260C - BTEX	9012B - Cyanide, Total											Special Instructions/Note:
Preservation Code:							N	N	A	B											
MW-6D-022221	2-22-21	1120	G	Water		N	X	X	X	X										8	PFAS @ 1130
MW-5S-022221	2-22-21	1150	G	Water		N	X	X	X	X										8	
MW-5D-022221	2-22-21	1050	G	Water		N	X	X	X	X										8	
MW-3D-022321	2-23-21	1455	G	Water		N	X	X	X	X										8	
MW-3S-022321	2-23-21	1355	G	Water		N	X	X	X	X										8	
DUP1-022321	2-23-21	1400	G	Water		N	X	X	X	X										8	
MW-1S-022221	2-22-21	1245	G	Water		N	X	X	X	X										8	
MW-2S-022321 (MS/MSD)	2-23-21	1520	G	Water		Y	X	X	X	X										8	24 MS/MSD
MW-2D-022321	2-23-21	1620	G	Water		N	X	X	X	X										8	
MW-4S-022221	2-22-21	1420	G	Water		N	X	X	X	X										8	PFAS @ 1425
MW-6S-022221	2-22-21	1320	G	Water		N	X	X	X	X										8	PFAS @ 1330

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

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

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

Special Instructions/QC Requirements: PFAS → BUT FROM SYR; RE

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	2-24-21 1200	AECOM	[signature]	2-24-21, 1200	Eyn
Relinquished by: [signature]	Date/Time: 2-24-21, 1900	Company Eyn	Received by: [signature]	Date/Time: 2/25/21 1100	Company TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 2.2, 1.6 #1 ICE

Ver: 11/01/2020

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing America

Syracuse #225

Client Information	Sampler: M. ONeill / P. McHugh	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-157042-34603.2
Client Contact: Mr. John Ruspantini	Phone: 315-569-4616	E-Mail: John.Schove@Eurofinset.com	State of Origin:	Page: Page 2 of 2
Company: New York State Electric & Gas	PWSID:			Job #:
Address: 18 Link Drive	Due Date Requested:			
City: Binghamton	TAT Requested (days): Standard			
State, Zip: NY, 13902	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order Requested			
Email: jjruspantini@nyseg.com	WO #: NYSEG/John Ruspantini			
Project Name: NYSEG - Penn Yan Water St. MGP	Project #: 48023403			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA - PFAS, Standard List (21 analytes)	8270D - PAH Semivolatiles	8260C - BTEX	9012B - Cyanide, Total	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	A	B		
TMW-2D-022421	2-24-21	1020	G	Water		N	X	X	X	X	8	
EQUIP BLANK	2-23-21	1395	G	Water		N	X				2	
~~TRIP BLANK - PFAS~~				Water								
TRIP BLANK ~~- HCL~~	2-24-21	00:00		Water					X			
				Water								
				Water								

RE: 2-24-21

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

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

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

Special Instructions/QC Requirements: PFAS → BVT FROM SYR. -RE

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	2-24-21 1200	AECOM	R. Enright	2-24-21, 1200	Eyn
Relinquished by: R. Enright	Date/Time: 2-24-21, 1900	Company Eyn	Received by: PGL	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 11/01/2020

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing America

Syracuse #225

Client Information	Sampler: M. ONeill / P. McHugh	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-157042-34603.1
Client Contact: Mr. John Ruspantini	Phone: 315-569-4616	E-Mail: John.Schove@Eurofinset.com	State of Origin:	Page: Page 1 of 2
Company: New York State Electric & Gas	PWSID:			Job #:
Address: 18 Link Drive	Due Date Requested:			
City: Binghamton	TAT Requested (days): Standard			
State, Zip: NY, 13902	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order Requested			
Email: jjruspantini@nyseg.com	WO #: NYSEG/John Ruspantini			
Project Name: NYSEG - Penn Yan Water St. MGP	Project #: 48023403			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate

480-181441 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA - PFAS, Standard List (21 analytes)	8270D - PAH Semivolatiles	8260C - BTEX	9012B - Cyanide, Total															Total Number of containers	Special Instructions/Note:
Preservation Code:							N	N	A	B																
MW-6D-022221	2-22-21	1120	G	Water		N	X	X	X	X															8	PFAS @ 1130
MW-5S-022221	2-22-21	1150	G	Water		N	X	X	X	X															8	
MW-5D-022221	2-22-21	1050	G	Water		N	X	X	X	X															8	
MW-3D-022321	2-23-21	1455	G	Water		N	X	X	X	X															8	
MW-3S-022321	2-23-21	1355	G	Water		N	X	X	X	X															8	
DUP1-022321	2-23-21	1400	G	Water		N	X	X	X	X															8	
MW-1S-022221	2-22-21	1245	G	Water		N	X	X	X	X															8	
MW-2S-022321 (MS/MSD)	2-23-21	1520	G	Water		Y	X	X	X	X															~~8~~ 24	MS/MSD
MW-2D-022321	2-23-21	1620	G	Water		N	X	X	X	X															8	
MW-4S-022221	2-22-21	1420	G	Water		N	X	X	X	X															8	PFAS @ 1425
MW-6S-022221	2-22-21	1320	G	Water		N	X	X	X	X															8	PFAS @ 1330

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

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☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

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

Special Instructions/QC Requirements: PFAS → BUT FROM SYR, RE

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	2-24-21 1200	Accon	[signature]	2-24-21, 1200	Eyn
2	[signature]	2-24-21, 1900	Eyn	[signature]	2/25/21 11:00	TABUR
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 11/01/2020

03/05/2021

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing America

Syracuse #225

Client Information	Sampler: M. ONeill / P. McHugh	Lab PM: Schove, John R	COC No: 480-157042-34603.2
Client Contact: Mr. John Ruspantini	Phone: 315-569-4616	E-Mail: John.Schove@Eurofinset.com	Page: Page 2 of 2
Company: New York State Electric & Gas	PWSID:		Job #:
Address: 18 Link Drive	Due Date Requested:		
City: Binghamton	TAT Requested (days): Standard		
State, Zip: NY, 13902	Compliance Project: Δ Yes Δ No		
Phone:	PO #: Purchase Order Requested		
Email: jjruspantini@nyseg.com	WO #: NYSEG/John Ruspantini		
Project Name: NYSEG - Penn Yan Water St. MGP	Project #: 48023403		
Site:	SSOW#:		

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA - PFAS, Standard List (21 analytes)	8270D - PAH Semivolatiles	8260C - BTEX	9012B - Cyanide, Total	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	N	N	A	B	X	
TMW-2D-022421	2-24-21	1020	G	Water		N	X	X	X	X	8	
EQUIP BLANK	2-23-21	1335	G	Water		N	X				2	
~~TRIP BLANK - PFAS~~				Water								
~~TRIP BLANK - HCL~~				Water								
				Water								
				Water								

RC-1
2-24-21

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

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

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

Special Instructions/QC Requirements: PFAS => BVT FROM SYR. - RC

Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:	
Relinquished by:	Date/Time: 2-24-21 1200	Company AECOM	Received by:	Date/Time: 2.24.21, 1800	Company Eyn		
Relinquished by:	Date/Time: 2-24-21, 1900	Company Eyn	Received by:	Date/Time: 2/27/21 11:00	Company TAKUNT		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company		

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 11/01/2020


ORIGIN ID:SYRA (315) 431-0171
SYR SERVICE CENTER
EUROFINS TESTAMERICA
118 BOSS RD
SYRACUSE, NY 13211
UNITED STATES US
SHIP DATE: 24FEB21
ACTWGT: 38.00 LB MAN
CAD: 0883373/CAFE3407
BILL RECIPIENT
TO SAMPLE RECEIVING
TESTAMERICA BURLINGTON
530 COMMUNITY DRIVE SUITE 11
SOUTH BURLINGTON VT 05403
(802) 660-1990
REF: AECOM PYANN PFAS 1COOLER
FedEx
Express
THU - 25 FEB 10:30A
TRK# 0201 1870 7198 9680
PRIORITY OVERNIGHT
NL BTVA
05403
VT - US
BTV

Login Sample Receipt Checklist

Client: New York State Electric & Gas

Job Number: 480-181441-1

Login Number: 181441
List Number: 1
Creator: Stopa, Erik S

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	AECOM
Samples received within 48 hours of sampling.	False	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: New York State Electric & Gas

Job Number: 480-181441-1

Login Number: 181441
List Number: 2
Creator: Khudaier, Zahraa

List Source: Eurofins TestAmerica, Burlington
List Creation: 02/27/21 02:27 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	1520524
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.8ºC
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	MO, PM
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	