ARCADIS Design & Consultancy for natural and built assets

Ms. Jessica LaClair
Environmental Engineer
New York State Department of Environmental Conservation
625 Broadway
Albany, New York 12233-7013

Arcadis of New York, Inc.
855 Route 146
Suite 210
Clifton Park
New York 12065
Tel 518 250 7300
Fax 518 250 7301
www.arcadis.com

ENVIRONMENT

Subject:
2017 Annual Groundwater Monitoring Report
GE Parts and Repair Service Center
Tonawanda, New York 14150
NYSDEC Site ID: 915244
EPA ID: NYD067539940
Permit ID: 9-1464-00044/00001

Date:
February 27, 2018

Contact:
Doug Weeks

Phone:
518.250.7378

Email:
doug.weeks@arcadis.com

Our ref:
AP013103.4000

Dear Ms. LaClair:

On behalf of the General Electric Company (GE), Arcadis of New York, Inc. (Arcadis), has prepared the attached 2017 Annual Groundwater Monitoring Report for the GE Parts and Repair Service Center in Tonawanda, New York. The report provides the results of the groundwater sampling activities conducted at the site in the spring and fall of 2017 in accordance with the New York State Department of Environmental Conservation (NYSDEC)-approved Groundwater Monitoring Plan dated September 1, 2016.

If you have any questions, please contact me at (518) 250-7378, or Mr. Lewis Streeter of GE at (518) 388-7552.

Sincerely,

Arcadis of New York, Inc.

Doug Weeks
Project Manager

Electronic copies:
Kathleen Emery, NYSDEC
Andrew Park, EPA
Lewis Streeter, GE
David Cornell, Arcadis
James Nuss, Arcadis
Daniel Zuck, Arcadis.

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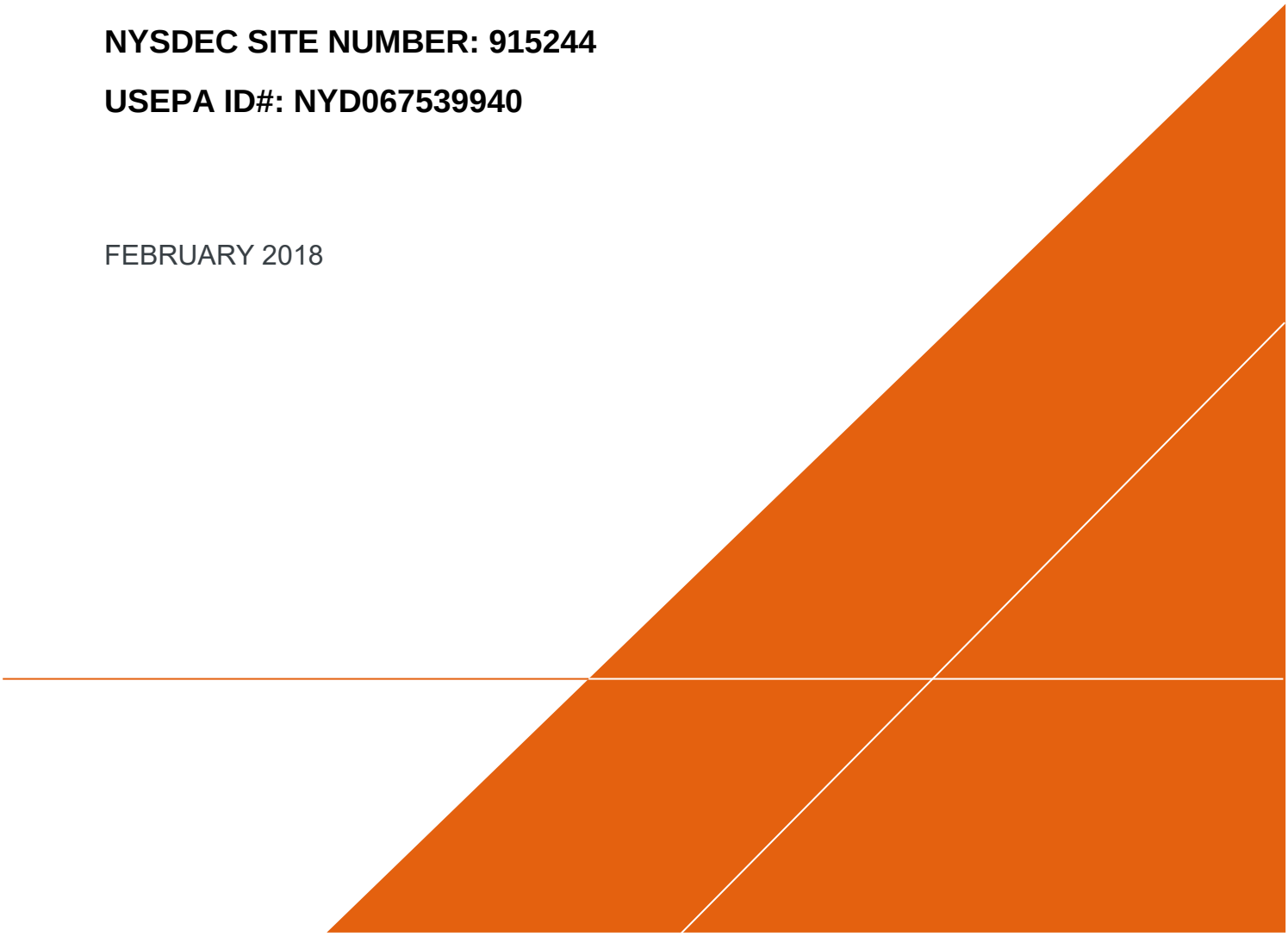
General Electric Company

2017 ANNUAL GROUNDWATER MONITORING REPORT

NYSDEC SITE NUMBER: 915244

USEPA ID#: NYD067539940

FEBRUARY 2018



2017 ANNUAL GROUNDWATER MONITORING REPORT

Prepared for:

General Electric Company
Tonawanda, New York

Prepared by:

Arcadis of New York, Inc.

855 Route 146

Suite 210

Clifton Park

New York 12065

Tel 518 250 7300

Fax 518 250 7301

Our Ref.:

AP013103.4000

Date:

February 2018

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ACRONYMS AND ABBREVIATIONS

AMSL	above mean sea level
AOC	Area of Concern
Arcadis	Arcadis of New York, Inc.
bgs	below ground surface
CMS	Corrective Measures Study
DUSR	Data Usability Summary Report
GE	General Electric Company
GMP	Groundwater Monitoring Plan
GWMR	Groundwater Monitoring Report
mg/kg	milligram per kilogram
ISMP	Interim Site Management Plan
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYSDOT	New York State Department of Transportation
PCB	polychlorinated biphenyl
pH	potential hydrogen
QA	Quality Assurance
QC	Quality Control
RCRA	Resource Conservation and Recovery Act
RFA	RCRA Facility Assessment
RFI	RCRA Facility Investigation
SOP	Standard Operating Procedure
TOGS	Technical and Operational Guidance Series
USEPA	United States Environmental Protection Agency
VOC	Volatile Organic Compound
µg/L	micrograms per liter

1 INTRODUCTION

This 2017 Annual Groundwater Monitoring Report (GWMR) has been prepared by Arcadis of New York, Inc. (Arcadis), on behalf of the General Electric Company (GE), for GE's Parts and Repair Service Center located at 175 Milens Road in Tonawanda, New York (hereinafter referred to as the "site"). A Site Location Map is presented as Figure 1.

1.1 Site Background and History

The site is currently in the Resource Conservation and Recovery Act (RCRA) Corrective Action Program, which is administered by the New York State Department of Environmental Conservation (NYSDEC). The site is identified as United States Environmental Protection Agency (USEPA) ID# NYD067539940 and is also known by NYS Site Number 915244. In May 1996, NYSDEC issued a Part 373 Hazardous Waste Operating Permit (373 Permit) to GE for the site to allow storage of hazardous wastes that contained volatile organic compounds (VOCs), metals, and polychlorinated biphenyls (PCBs). There has been no treatment or disposal of hazardous or solid wastes at the site.

The 373 Permit required a RCRA Facility Assessment (RFA), RCRA Facility Investigation (RFI), and a Corrective Measures Study (CMS). A Corrective Action Only Part 373 Permit, issued July 5, 2012 (Permit ID 9-1464-00044/00001), required GE to perform certain corrective measures at the site, which included soil excavation, removal of the old oil/water separator, asphalt removal and replacement, cleaning and lining of portions of the sanitary sewer, removal of portions of the abandoned sanitary sewer line, removal and replacement of portions of the storm sewer lines encountered during excavation, and cleaning of the on-site storm sewers (including manholes and catch basins) as well as the floor drains, sumps, and piping. Soil excavation included the removal and off-site disposal of accessible soil with PCB concentrations that exceeded 1 milligram per kilogram (mg/kg). Excavation in this manner also addressed the limited area of VOC impacts in the subsurface soil. The corrective actions were generally completed from August to December 2015, with follow-up activities completed in the spring of 2016. The Revised Corrective Measures Completion Final Report (AECOM 2016) was approved by the NYSDEC in a letter dated June 27, 2016.

In April 2017 GE announced the planned future closure of the facility, triggering a requirement in the Part 373 Permit to perform an investigation of the previously inaccessible sub-slab soils Area of Concern (AOC). The RCRA Facility Investigation Work Plan for Sub-Slab Soils (Arcadis 2017) was approved by NYSDEC in a letter dated December 5, 2017. GE anticipates completion of the investigation of the sub-slab soils AOC in the first half of 2018.

1.2 Groundwater Monitoring Program Objectives

The overall objective of the groundwater monitoring program is to verify that groundwater underlying the site continues to be unimpacted by historical site activities. The Groundwater Monitoring Plan (GMP, Arcadis 2016), which was approved by NYSDEC on October 5, 2016, describes the methods for conducting, evaluating and reporting the results of groundwater monitoring. The GMP requires three rounds of semi-annual groundwater sampling (in the fall of 2016, and in the spring and fall of 2017), followed by three additional years of annual groundwater sampling from 2018 through 2020.

2 SITE DESCRIPTION

2.1 Site Location and Description

The site is located on an approximately 5.8-acre parcel at 175 Milens Road in the Town of Tonawanda, Erie County, New York. The site consists of a 69,000-square-foot, slab-on-grade building secured by a gated chain link fence. A rail spur extends from the northeast corner of the building toward Military Road east of the site. The site is bounded to the north by Interstate Route 290, which is owned by the New York State Department of Transportation (NYSDOT), and on the east, west and south by commercial/industrial properties. The site layout and boundaries are shown on Figure 2.

2.2 Historical Site Operations

The site was developed by GE in 1968 and 1969 for use as a service shop to repair industrial equipment such as electric motors, transformers, turbines, pumps, and compressors. The original construction at the site included the northern portion of the existing building. An addition to the south end of the building was constructed in 1978. GE generated hazardous wastes during routine operations at the site. Depending on their nature, wastes were stored in either the outdoor RCRA Container Storage Area located on the east side of the building, or the Commercial PCB Storage Area, which was inside the southeast corner of the building (Figure 3). These storage areas are inactive, have been closed, and specific remedial measures for the storage areas are not necessary. In April 2017, GE announced the planned future closure of the facility and has since ceased all operations at the site.

2.3 Geology and Hydrogeology

The Site is relatively flat at an elevation of approximately 610 to 613 feet relative to the North American Vertical Datum 1988 (NAVD88). The soils underlying the Site consist of very dense glaciolacustrine sediments, which are predominantly clays and silts. These sediments are approximately 60 to 70 feet thick. Groundwater in the vicinity of the Site has previously been reported at depths of up to 25 feet below ground surface (bgs) but may be present at much shallower depths based on recent water level gauging data collected from the Site wells. Groundwater was encountered at the site in 2017 between 1.41 feet below ground surface (bgs) (MW-6 – spring event) and 9.06 feet bgs (MW-7 – spring event). It is anticipated that groundwater flow in the native soils will be to the west or northwest toward the Niagara River.

3 GROUNDWATER SAMPLING AND ANALYSES

The following subsections detail the groundwater sampling activities completed at the site in the spring and fall of 2017.

3.1 Groundwater Elevation Monitoring

Groundwater elevations associated with the spring and fall 2017 monitoring events were collected on May 15, 2017 and November 20, 2017, respectively. The measured groundwater elevations are provided in Table 2 and are also depicted on Figure 3. Groundwater flow and recharge into monitoring wells at the site is expected to be very slow due to the dense, fine-grained nature of the geologic material. As such, the water levels measured at site wells during 2017 may not reflect static conditions (i.e., the water levels in some wells may still be recovering from previous sampling events). Due to the slow recharging conditions these groundwater elevations were not contoured; however, as indicated in Section 2.3, regional groundwater flow in the vicinity of the site is expected to be north-northwest toward Two Mile Creek and the Niagara River.

3.2 Groundwater Sample Collection and Analysis

For the spring 2017 sampling event, groundwater samples were collected on May 15, 16, and 17, 2017; for the fall sampling event, groundwater samples were collected on November 20 and 21, 2017. During each event samples were collected from six monitoring wells (MW-2R, MW-4, MW-5R, MW-6, MW-7 and MW-8) and submitted to TestAmerica Laboratories, Inc. (TestAmerica) located in Amherst, New York, for analysis of VOCs via United States Environmental Protection Agency (USEPA) Method 8260C and PCBs via USEPA Method 8082A.

Groundwater samples were collected with a peristaltic pump using low-flow sampling techniques outlined in the GMP. Field parameters (i.e., potential hydrogen [pH], temperature, specific conductivity, dissolved oxygen, turbidity, and oxidation-reduction potential) were recorded during purging using a multi-parameter meter with a flow-through cell. The field parameters, along with pumping rates and depth to water, were collected at approximate five-minute intervals and are depicted on the groundwater sampling logs included as Appendix A. Well purging was considered complete when the well went dry, or when all of the field indicator parameters had stabilized and were within the specified limits. Tables 3a and 3b present the values of the field parameters at the time of sampling for the spring and fall 2017 sampling events, respectively.

Analytical samples were collected from the pump discharge and placed in pre-cleaned sample jars, which were labeled with the sample identification, time, date, type of analysis to be performed, and the sampler's initials. Quality Assurance/Quality Control (QA/QC) samples were collected during the spring and fall 2017 sampling event and included a blind Field Duplicate, a Matrix Spike/Matrix Spike Duplicate (MS/MSD) pair, and a trip blank. Groundwater monitoring equipment was decontaminated and calibrated per the requirements outlined in the GMP prior to use each day and between each well location.

3.3 Data Validation and Reporting

The spring and fall 2017 groundwater data were validated per the (USEPA) Region 2 Standard Operating Procedures (SOPs) applicable to the analytical method(s) being reviewed. The USEPA SOPs were modified

to conform to the specific requirements of the NYSDEC Analytical Services Protocol holding times and MS blank requirements. Validation consisted of target and non-target compounds with corresponding method blank data, spike and surrogate recoveries, sample data, and a final note of validation decision or qualification, along with any pertinent footnote references. Qualifiers were applied to the data as appropriate and were documented in the applicable text. The data review also includes an assessment of sensitivity (i.e., are reporting limits appropriate to determine whether contaminants are present at or above action levels or other applicable threshold values). The Data Usability Summary Reports (DUSRs) and laboratory analytical data reports for the spring and fall 2017 sampling events are presented in Appendices B and C, respectively.

As presented in Appendix B, all of the spring and fall 2017 groundwater quality data are considered to be useable. The groundwater data have been compiled in the EQuIS database format to fulfill the requirement for submittal of the data to NYSDEC in an approved Electronic Data Deliverable (EDD) format. This information will be submitted digitally to NYSDEC.

4 ASSESSMENT OF GROUNDWATER QUALITY

For the purpose of assessing overall groundwater conditions at the site, the PCB and VOC analytical results from the spring and fall 2017 groundwater sampling events were screened against the applicable NYSDEC Technical & Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (NYSDEC 2004). In addition, the spring and fall 2017 results were compared to prior data from fall 2016 to evaluate variations and/or potential trends in constituent concentrations at the site. The following sections present the results of those overall assessments of groundwater quality.

4.1 Spring 2017 Analytical Summary

With the exception of acetone at MW-6, no VOC compounds were detected in any of the wells sampled during the spring 2017 monitoring event. Acetone was also detected in the field blank at an estimated concentration of 4.1 micrograms per liter (µg/L). Because acetone is a common laboratory contaminant and is not used at this site for decontamination, the detection of acetone at MW-6 was determined to likely be associated with laboratory interferences, and therefore was qualified as non-detect during data validation. No PCBs were detected in any of the monitoring wells during the spring 2017 sampling event.

4.2 Fall 2017 Analytical Summary

No VOC compounds or PCBs were detected in any of the wells sampled during the fall 2017 monitoring event. Acetone was detected in the field blank at 3 µg/L but was not detected in any of the monitoring well samples. The detection of acetone in the field blank could be a result of laboratory interferences.

4.3 Comparison of 2017 and 2016 Data

Table 4 summarizes the analytical results from the 2016 and 2017 sampling events. A review of the data indicates only two detectable VOC compounds, bromodichloromethane and chloroform, during the 2016 sampling event. These compounds were detected at only one well location, MW-2R, with estimated concentrations of 0.50 µg/L and 1.2 µg/L, respectively; these detected concentrations are well below the TOGS guidance values of 50 µg/L and 7 µg/L for these compounds. No VOC compounds or PCBs were detected in any of the remaining wells during the 2016 sampling event. Additionally, no VOCs or PCBs were detected in any of the site wells in the spring and fall 2017 sampling events. Based on these results, it appears that site groundwater surrounding the former Parts and Repair Service Center remains unimpacted by the historical operations.

5 SCHEDULE OF FUTURE SITE GROUNDWATER MONITORING ACTIVITIES

As noted previously, the purpose of the groundwater sampling program for the GE Tonawanda facility is to verify that groundwater underlying the site continues to remain unimpacted by historical site activities. In accordance with the NYSDEC-approved GMP, groundwater sampling has been performed semi-annually for three consecutive events --- in the fall of 2016, and in the spring and fall of 2017. While the NYSDEC-approved GMP requires annual groundwater sampling to be performed annually for three additional years (i.e., 2018 through 2020), the three rounds of groundwater quality data collected at the site to date, as described in Section 4, indicate that the groundwater underlying the site has not been impacted by historical site activities. As noted previously, GE ceased operations at the site in 2017 and has since removed all equipment and performed interior cleaning of the facility. Future impacts to groundwater at the site as a result of site operations are not anticipated. Therefore, the additional three rounds of annual groundwater sampling, as outlined in the GMP, may not be necessary. GE recommends that the need for any additional groundwater sampling at the site be re-visited with NYSDEC following completion of the RFI for the sub-slab soils AOC in the first half of 2018.

6 REFERENCES

AECOM. 2016. Corrective Measure Completion Final Report, GE Parts and Repair Service Center, Tonawanda, New York. June.

Arcadis. 2016. Groundwater Monitoring Plan, GE Parts and Repair Service Center, Tonawanda, New York. September.

NYSDEC. 1996. Part 373 Hazardous Waste Operating Permit, General Electric International, Inc., Facility DEC ID 9-1464-00044. May.

NYSDEC. 2004. Addendum to 1998 Technical & Operational Guidance Series (TOGS), 1.1.1 Ambient Water Quality Standards and Guidance Values. June.

NYSDEC. 2005. Analytical Services Protocol. July.

NYSDEC. 2012. Permit Renewal, General Electric International, Inc., Facility DEC ID 9-1464-00044. July.

TABLES

Table 1
Monitoring Well Construction Summary
2017 Annual Groundwater Monitoring Report
General Electric Parts and Repair Service Center
Tonawanda, New York

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Monitoring Well Identification	Protective Casing	Well Diameter (inches)	Survey Coordinates		Ground Surface Elevation (ft AMSL)	Measuring Point Elevation (ft AMSL)	Depth to Top of Screen (ft BGS)	Top of Screen Elevation (ft AMSL)	Screen Length (ft)	Total Well Depth (ft BGS)	Depth to Bottom of Screen (ft BGS)	Bottom of Screen Elevation (ft AMSL)
			Northing	Easting								
MW-2R	8" Flush	2.00	1090751.01	1066816.66	610.99	610.49	5	605.49	5	10	10	600.49
MW-4	8" Flush	2.00	1090609.79	1066571.40	610.95	610.56	6	604.56	10	16	16	594.56
MW-5R	8" Flush	2.00	1090704.39	1066801.70	611.20	610.84	15	595.84	15	30	30	580.84
MW-6	4" Stand-pipe	2.00	1090964.18	1066487.03	611.92	614.79	15	599.79	15	30	30	584.79
MW-7	8" Flush	2.00	1090551.10	1066498.60	612.42	612.08	15	597.08	15	30	30	582.08
MW-8	8" Flush	2.00	1090502.08	1066715.65	611.46	611.04	15	596.04	15	30	30	581.04

Notes:
1. ft AMSL - Feet above mean sea level.
2. ft BGS - Feet below ground surface.
3. The monitoring wells were surveyed for vertical elevation of the top of the inner and outer casings to an accuracy of approximately 0.01-foot relative to the North Atlantic Vertical Datum 1988.

Table 2
Groundwater Elevation Data
2017 Annual Groundwater Monitoring Report
General Electric Parts and Repair Service Center
Tonawanda, New York

			Spring 2017[4]			Fall 2017[4]		
Well Number	Ground Surface Elevation (Feet AMSL)	Measuring Point Elevation (Feet AMSL)	Depth to Water (Feet BMP)	Calculated Depth to Water (Feet BLS)	Groundwater Elevation (Feet AMSL)	Depth to Water (Feet BMP)	Calculated Depth to Water (Feet BLS)	Groundwater Elevation (Feet AMSL)
MW-2R	610.99	610.49	2.65	3.15	607.84	1.94	2.44	608.55
MW-4	610.95	610.56	7.61	8.00	602.95	7.36	7.75	603.20
MW-5R	611.20	610.84	3.91	4.27	606.93	3.50	3.86	607.34
MW-6	611.92	614.79	4.28	1.41	610.51	5.03	2.16	609.76
MW-7	612.42	612.08	8.72	9.06	603.36	8.22	8.56	603.86
MW-8	611.46	611.04	3.11	3.53	607.93	3.80	4.22	607.24

Notes:
1. AMSL - Above Mean Sea Level.
2. BMP - Below Measuring Point.
3. BLS - Below Land Surface.
4. Spring 2017 groundwater elevations were monitored on 5/15/2017. The Fall 2017 groundwater elevations were monitored on 11/20/2017.

Table 3a
Field Parameter Measurements- Spring 2017
2017 Annual Groundwater Monitoring Report
General Electric Parts and Repair Service Center
Tonawanda, New York

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Well ID	Temperature (Degrees Celsius)	pH (Standard Units)	Specific Conductivity (mS/cm^2)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)
MW-2R	13.08	7.32	1.318	1.03	4.78	125.6
MW-4	13.67	7.45	2.021	0.98	1.65	131.8
MW-5R	13.41	7.20	1.265	2.38	0.21	107.3
MW-6	15.20	7.14	1.431	1.92	1.02	88.2
MW-7	12.88	7.39	0.962	2.09	1.60	142.1
MW-8	12.88	7.43	0.868	10.80	0.32	120.6

Note:

1. The value presented is the last set of parameters collected prior to sampling or well going dry.
2. mS/cm2- Millisiemen per centimeter squared
3. NTU- Nephelometric Turbidity Unit
4. mg/L- Milligrams per Liter
5. mV- Millivolts

Table 3b
Field Parameter Measurements- Fall 2017
2017 Annual Groundwater Monitoring Report
General Electric Parts and Repair Service Center
Tonawanda, New York

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Well ID	Temperature (Degrees Celsius)	pH (Standard Units)	Specific Conductivity (mS/cm^2)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)
MW-2R	12.60	7.72	1.600	3.72	1.90	148.0
MW-4	12.70	7.42	1.720	2.61	2.63	183.7
MW-5R	13.50	7.08	1.640	0.85	3.46	44.0
MW-6	12.90	7.04	1.930	1.36	0.15	-33.2
MW-7	12.10	7.21	1.300	1.31	0.22	-40.4
MW-8	13.50	7.27	1.200	7.30	1.05	-16.3

Note:

1. The value presented is the last set of parameters collected prior to sampling or well going dry.
2. mS/cm2- Millisiemen per centimeter squared
3. NTU- Nephelometric Turbidity Unit
4. mg/L- Milligrams per Liter
5. mV- Millivolts

Table 4
Groundwater Analytical Results- 2016 and 2017
2017 Annual Groundwater Monitoring Report
General Electric Parts and Repair Service Center
Tonawanda, New York

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Location ID: Date Collected: Sample Name:	NYSDEC TOGS 1.1.1 (GA GROUNDWATER)	Units	MW-2R 11/23/16 MW-2R 11232016	MW-2R 05/15/17 MW-2R 20170515	MW-2R 11/20/17 MW-2R 20171120	MW-4 11/22/16 MW-4 11222016	MW-4 05/15/17 MW-4 20170515	MW-4 11/21/17 MW-4 20171121
PCBs								
Aroclor 1016	0.09	ug/L	ND(0.61)	ND(0.50) [ND(0.5)]	ND(0.50)	ND(0.48) [ND(0.48)]	ND(0.50)	ND(0.50)
Aroclor 1221	0.09	ug/L	ND(0.61)	ND(0.50) [ND(0.5)]	ND(0.50)	ND(0.48) [ND(0.48)]	ND(0.50)	ND(0.50)
Aroclor 1232	0.09	ug/L	ND(0.61)	ND(0.50) [ND(0.5)]	ND(0.50)	ND(0.48) [ND(0.48)]	ND(0.50)	ND(0.50)
Aroclor 1242	0.09	ug/L	ND(0.61)	ND(0.50) [ND(0.5)]	ND(0.50)	ND(0.48) [ND(0.48)]	ND(0.50)	ND(0.50)
Aroclor 1248	0.09	ug/L	ND(0.61)	ND(0.50) [ND(0.5)]	ND(0.50)	ND(0.48) [ND(0.48)]	ND(0.50)	ND(0.50)
Aroclor 1254	0.09	ug/L	ND(0.61)	ND(0.50) [ND(0.5)]	ND(0.50)	ND(0.48) [ND(0.48)]	ND(0.50)	ND(0.50)
Aroclor 1260	0.09	ug/L	ND(0.61)	ND(0.50) [ND(0.5)]	ND(0.50)	ND(0.48) [ND(0.48)]	ND(0.50)	ND(0.50)
Total PCBs	0.09	ug/L	ND(0.61)	ND(0.5) [ND(0.5)]	ND(0.5)	ND(0.48) [ND(0.48)]	ND(0.5)	ND(0.5)
Volatile Organics								
1,1,1-Trichloroethane	5	ug/L	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0)
1,1,2,2-Tetrachloroethane	5	ug/L	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0)
1,1,2-trichloro-1,2,2-trifluoroethane	5	ug/L	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0)
1,1,2-Trichloroethane	1	ug/L	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0)
1,1-Dichloroethane	5	ug/L	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0)
1,1-Dichloroethene	5	ug/L	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0)
1,2,4-Trichlorobenzene	5	ug/L	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0)
1,2-Dibromo-3-chloropropane	0.04	ug/L	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0)
1,2-Dibromoethane	0.0006	ug/L	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0)
1,2-Dichlorobenzene	3	ug/L	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0)
1,2-Dichloroethane	0.6	ug/L	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0)
1,2-Dichloropropane	1	ug/L	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0)
1,3-Dichlorobenzene	3	ug/L	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0)
1,4-Dichlorobenzene	3	ug/L	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0)
2-Butanone (MEK)	50	ug/L	ND(10)	ND(10) [ND(10)]	ND(10)	ND(10) [ND(10)]	ND(10)	ND(10)
4-Methyl-2-Pentanone	- -	ug/L	ND(5.0)	ND(5.0) [ND(5)]	ND(5.0)	ND(5.0) [ND(5)]	ND(5.0)	ND(5.0)
Acetone	50	ug/L	ND(10)	ND(10) [ND(10)]	ND(10)	ND(10) [ND(10)]	ND(10)	ND(10)
Benzene	1	ug/L	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0)
Bromodichloromethane	50	ug/L	**0.50 J**	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0)
Bromoform	50	ug/L	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0)
Bromomethane	5	ug/L	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0)
Carbon Disulfide	60	ug/L	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0)
Carbon Tetrachloride	5	ug/L	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0)
CFC-11	5	ug/L	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0)
CFC-12	5	ug/L	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0)
Chlorobenzene	5	ug/L	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0)
Chlorodibromomethane	50	ug/L	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0)
Chloroethane	5	ug/L	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0)
Chloroform	7	ug/L	**1.2**	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0)
Chloromethane	5	ug/L	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	5	ug/L	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0)
cis-1,3-Dichloropropene	0.4	ug/L	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0)
Cyclohexane	- -	ug/L	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0)
Dichloromethane	5	ug/L	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0)
Ethylbenzene	5	ug/L	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0)
Isopropylbenzene	5	ug/L	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0)
Methyl Acetate	- -	ug/L	ND(2.5)	ND(2.5) [ND(2.5)]	ND(2.5)	ND(2.5) [ND(2.5)]	ND(2.5)	ND(2.5)
Methyl N-Butyl Ketone (2-Hexanone)	50	ug/L	ND(5.0)	ND(5.0) [ND(5)]	ND(5.0)	ND(5.0) [ND(5)]	ND(5.0)	ND(5.0)
Methylcyclohexane	- -	ug/L	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0)
Methyl-tert-butylether	10	ug/L	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0)
Styrene (Monomer)	5	ug/L	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0)
Tetrachloroethene	5	ug/L	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0)
Toluene	5	ug/L	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0)
Total Xylenes	5	ug/L	ND(2.0)	ND(2.0) [ND(2)]	ND(2.0)	ND(2.0) [ND(2)]	ND(2.0)	ND(2.0)
trans-1,2-Dichloroethene	5	ug/L	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0)
trans-1,3-Dichloropropene	0.4	ug/L	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0)
Trichloroethene	5	ug/L	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0)
Vinyl chloride	2	ug/L	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0) [ND(1)]	ND(1.0)	ND(1.0)

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Location ID: Date Collected: Sample Name:	NYSDEC TOGS 1.1.1 (GA GROUNDWATER)	Units	MW-5R 11/22/16 MW-5R 11222016	MW-5R 05/16/17 MW-5R 20170516	MW-5R 11/20/17 MW-5R 20171120	MW-6 11/22/16 MW-6 11222016	MW-6 05/17/17 MW-6 20170517	MW-6 11/21/17 MW-6 20171121
PCBs								
Aroclor 1016	0.09	ug/L	ND(0.47)	ND(0.50)	ND(0.50)	ND(0.49)	ND(0.50)	ND(0.50)
Aroclor 1221	0.09	ug/L	ND(0.47)	ND(0.50)	ND(0.50)	ND(0.49)	ND(0.50)	ND(0.50)
Aroclor 1232	0.09	ug/L	ND(0.47)	ND(0.50)	ND(0.50)	ND(0.49)	ND(0.50)	ND(0.50)
Aroclor 1242	0.09	ug/L	ND(0.47)	ND(0.50)	ND(0.50)	ND(0.49)	ND(0.50)	ND(0.50)
Aroclor 1248	0.09	ug/L	ND(0.47)	ND(0.50)	ND(0.50)	ND(0.49)	ND(0.50)	ND(0.50)
Aroclor 1254	0.09	ug/L	ND(0.47)	ND(0.50)	ND(0.50)	ND(0.49)	ND(0.50)	ND(0.50)
Aroclor 1260	0.09	ug/L	ND(0.47)	ND(0.50)	ND(0.50)	ND(0.49)	ND(0.50)	ND(0.50)
Total PCBs	0.09	ug/L	ND(0.47)	ND(0.5)	ND(0.5)	ND(0.49)	ND(0.5)	ND(0.5)
Volatile Organics								
1,1,1-Trichloroethane	5	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,1,2,2-Tetrachloroethane	5	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,1,2-trichloro-1,2,2-trifluoroethane	5	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,1,2-Trichloroethane	1	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,1-Dichloroethane	5	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,1-Dichloroethene	5	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2,4-Trichlorobenzene	5	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dibromo-3-chloropropane	0.04	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dibromoethane	0.0006	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichlorobenzene	3	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloroethane	0.6	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,2-Dichloropropane	1	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,3-Dichlorobenzene	3	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
1,4-Dichlorobenzene	3	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
2-Butanone (MEK)	50	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
4-Methyl-2-Pentanone	- -	ug/L	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Acetone	50	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10 B)	ND(10)
Benzene	1	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Bromodichloromethane	50	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Bromoform	50	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Bromomethane	5	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Carbon Disulfide	60	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Carbon Tetrachloride	5	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
CFC-11	5	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
CFC-12	5	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chlorobenzene	5	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chlorodibromomethane	50	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroethane	5	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloroform	7	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Chloromethane	5	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	5	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,3-Dichloropropene	0.4	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Cyclohexane	- -	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Dichloromethane	5	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Ethylbenzene	5	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Isopropylbenzene	5	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Methyl Acetate	- -	ug/L	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)
Methyl N-Butyl Ketone (2-Hexanone)	50	ug/L	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Methylcyclohexane	- -	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Methyl-tert-butylether	10	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Styrene (Monomer)	5	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Tetrachloroethene	5	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Toluene	5	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Total Xylenes	5	ug/L	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
trans-1,2-Dichloroethene	5	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
trans-1,3-Dichloropropene	0.4	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Trichloroethene	5	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Vinyl chloride	2	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)

Table 4
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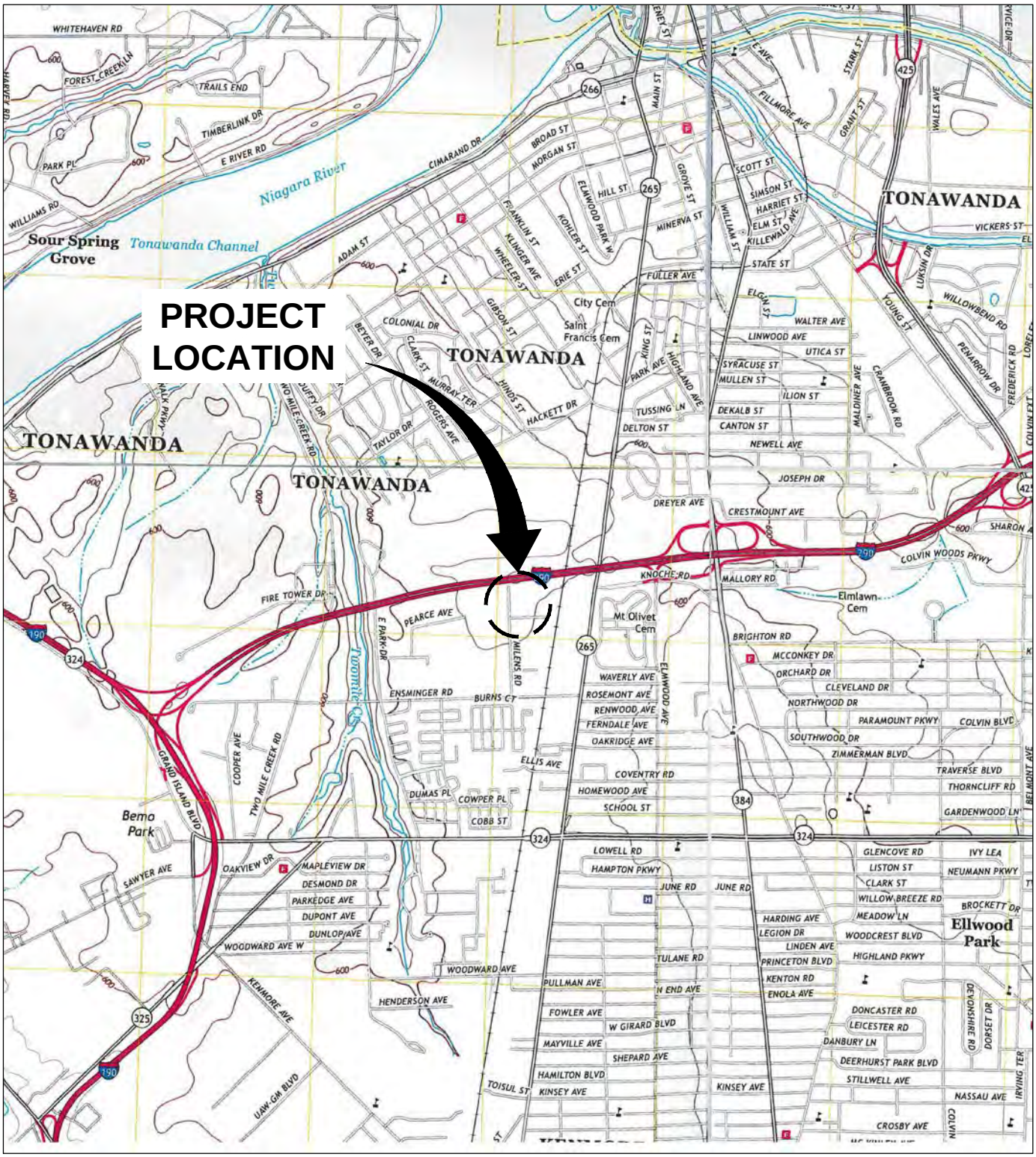
Location ID: Date Collected: Sample Name:	NYSDEC TOGS 1.1.1 (GA GROUNDWATER)	Units	MW-7 11/23/16 MW-7 11232016	MW-7 05/16/17 MW-7 20170516	MW-7 11/20/17 MW-7 20171120	MW-8 11/23/16 MW-8 11232016	MW-8 05/16/17 MW-8 20170516	MW-8 11/20/17 MW-8 20171120
PCBs								
Aroclor 1016	0.09	ug/L	ND(0.49)	ND(0.50)	ND(0.50)	ND(0.48)	ND(0.50)	ND(0.50) [ND(0.5)]
Aroclor 1221	0.09	ug/L	ND(0.49)	ND(0.50)	ND(0.50)	ND(0.48)	ND(0.50)	ND(0.50) [ND(0.5)]
Aroclor 1232	0.09	ug/L	ND(0.49)	ND(0.50)	ND(0.50)	ND(0.48)	ND(0.50)	ND(0.50) [ND(0.5)]
Aroclor 1242	0.09	ug/L	ND(0.49)	ND(0.50)	ND(0.50)	ND(0.48)	ND(0.50)	ND(0.50) [ND(0.5)]
Aroclor 1248	0.09	ug/L	ND(0.49)	ND(0.50)	ND(0.50)	ND(0.48)	ND(0.50)	ND(0.50) [ND(0.5)]
Aroclor 1254	0.09	ug/L	ND(0.49)	ND(0.50)	ND(0.50)	ND(0.48)	ND(0.50)	ND(0.50) [ND(0.5)]
Aroclor 1260	0.09	ug/L	ND(0.49)	ND(0.50)	ND(0.50)	ND(0.48)	ND(0.50)	ND(0.50) [ND(0.5)]
Total PCBs	0.09	ug/L	ND(0.49)	ND(0.5)	ND(0.5)	ND(0.48)	ND(0.5)	ND(0.5) [ND(0.5)]
Volatile Organics								
1,1,1-Trichloroethane	5	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1)]
1,1,2,2-Tetrachloroethane	5	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1)]
1,1,2-trichloro-1,2,2-trifluoroethane	5	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1)]
1,1,2-Trichloroethane	1	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1)]
1,1-Dichloroethane	5	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1)]
1,1-Dichloroethene	5	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1)]
1,2,4-Trichlorobenzene	5	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1)]
1,2-Dibromo-3-chloropropane	0.04	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1)]
1,2-Dibromoethane	0.0006	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1)]
1,2-Dichlorobenzene	3	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1)]
1,2-Dichloroethane	0.6	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1)]
1,2-Dichloropropane	1	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1)]
1,3-Dichlorobenzene	3	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1)]
1,4-Dichlorobenzene	3	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1)]
2-Butanone (MEK)	50	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10) [ND(10)]
4-Methyl-2-Pentanone	- -	ug/L	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5)]
Acetone	50	ug/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10) [ND(10)]
Benzene	1	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1)]
Bromodichloromethane	50	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1)]
Bromoform	50	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1)]
Bromomethane	5	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0 J)	ND(1.0)	ND(1.0) [ND(1)]
Carbon Disulfide	60	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1)]
Carbon Tetrachloride	5	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1)]
CFC-11	5	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1)]
CFC-12	5	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1)]
Chlorobenzene	5	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1)]
Chlorodibromomethane	50	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1)]
Chloroethane	5	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1)]
Chloroform	7	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1)]
Chloromethane	5	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1)]
cis-1,2-Dichloroethene	5	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1)]
cis-1,3-Dichloropropene	0.4	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1)]
Cyclohexane	- -	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1)]
Dichloromethane	5	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1)]
Ethylbenzene	5	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1)]
Isopropylbenzene	5	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1)]
Methyl Acetate	- -	ug/L	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5) [ND(2.5)]
Methyl N-Butyl Ketone (2-Hexanone)	50	ug/L	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0) [ND(5)]
Methylcyclohexane	- -	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1)]
Methyl-tert-butylether	10	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1)]
Styrene (Monomer)	5	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1)]
Tetrachloroethene	5	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1)]
Toluene	5	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1)]
Total Xylenes	5	ug/L	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0) [ND(2)]
trans-1,2-Dichloroethene	5	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1)]
trans-1,3-Dichloropropene	0.4	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1)]
Trichloroethene	5	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1)]
Vinyl chloride	2	ug/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0) [ND(1)]

Table 4
Groundwater Analytical Results- 2016 and 2017
2017 Annual Groundwater Monitoring Report
General Electric Parts and Repair Service Center
Tonawanda, New York

Notes:
1. Samples were collected by Arcadis and analyzed by TestAmerica Laboratories Inc. in Amherst, NY.
2. ug/L = micrograms per liter or parts per billion.
3. Field duplicate sample results are presented in brackets.
4. **Bold** indicates detected constituents.
5. TOGS = NYSDEC Technical & Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (NYSDEC 2004)

Data Qualifiers:
ND - The compound was analyzed for but not detected. The associated value in parentheses is the compound reporting limit.
J - Indicates an estimated value.
B- The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.

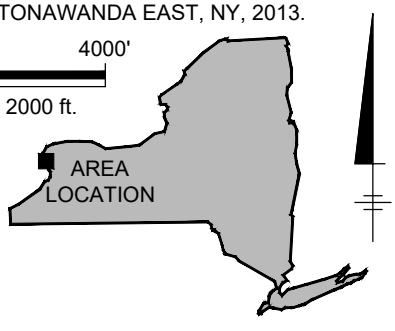
FIGURES



REFERENCE: BASE MAP USGS 7.5. MIN. TOPO. QUAD., BUFFALO NORTHWEST, NY, 2013; BUFFALO NORTHEAST, NY, 2013; TONAWANDA WEST, NY 2013; TONAWANDA EAST, NY, 2013.

0 2000' 4000'

Approximate Scale: 1 in. = 2000 ft.



GENERAL ELECTRIC COMPANY
175 MILENS ROAD, TONAWANDA, NEW YORK
2017 ANNUAL GROUNDWATER MONITORING REPORT

SITE LOCATION MAP

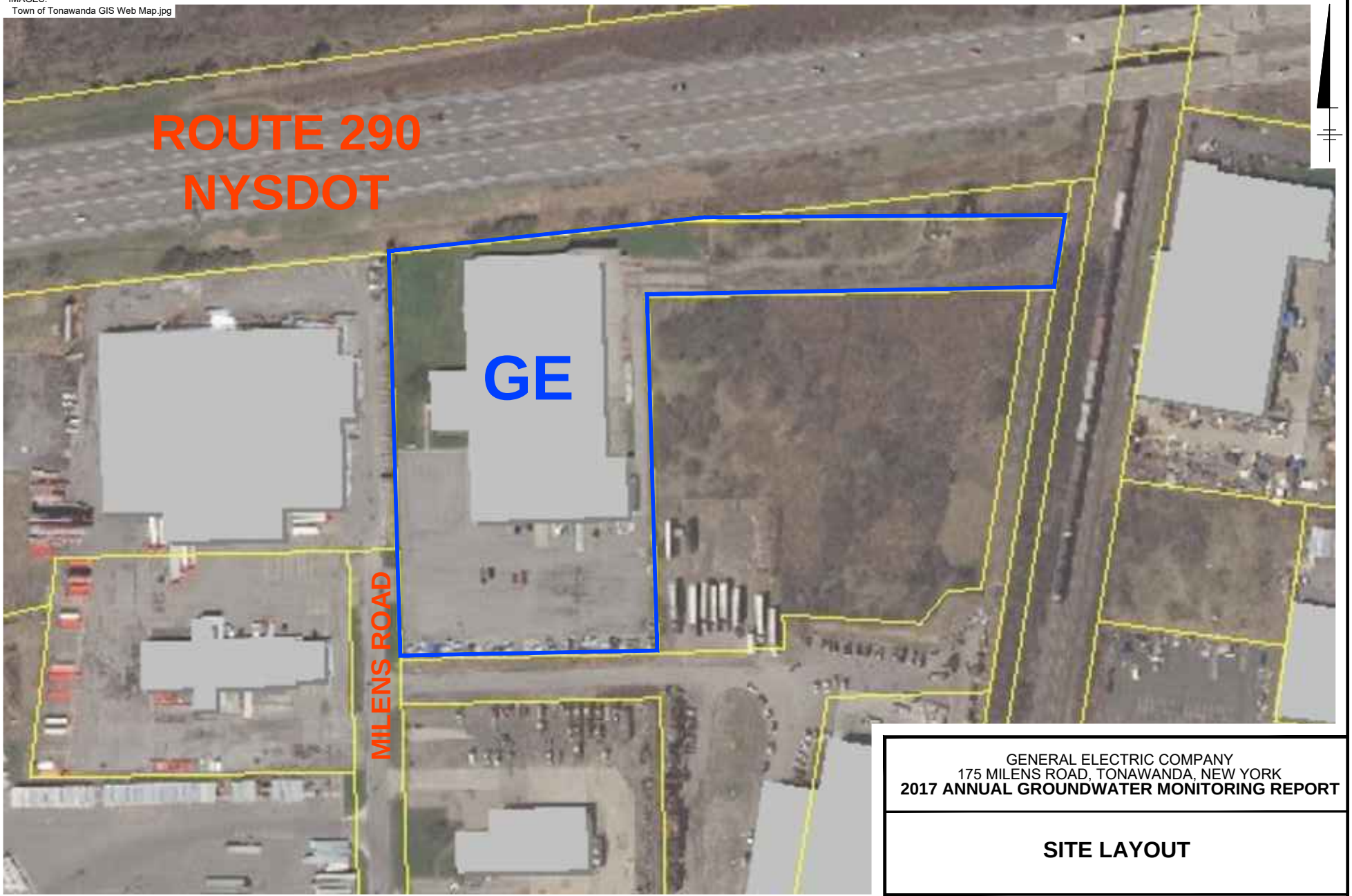
ARCADIS Design & Consultancy for natural and built assets

FIGURE
1

CITY: SYRACUSE, NY DIV/GROUP: EBC-IM/DV LD: L.POSENAUER PM: D.WEEKS TM: D.ZUCK LYR:(Opt)ON=*;OFF=*REF*
C:\Users\lposenauer\OneDrive - ARCADIS\BIM 360 Docs\GE CORP ENV PROGALLIANCE PROJECT; TONAWANDA O&M\2018\AP013103.4000\01-DWG\2017GWMR_FIG 1_SITE LOC MAP.dwg LAYOUT: 1 SAVED: 1/15/2018 1:34 PM ACADVER: 20.1S (LMS TECH) PAGESETUP: C-PA-ADOBEPDF
PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 1/15/2018 1:48 PM BY: POSENAUER, LISA
IMAGES:
NY_Buffalo NW NE.jpg

CITY: SYRACUSE, NY DIV/GROUP: EBC-IM/DV LD: L.POSENAUER PM: D.WEEKS TM: D.ZUCK LYR:(Opt)ON=*;OFF=*REF*
C:\Users\lposenauer\OneDrive - ARCADIS\BIM 360 Docs\GE CORP ENV PROG\ALLIANCE PROJECT; TONAWANDA O&M\2018\AP013103.4000\01-DWG\2017GWMR_FIG 2_SITE LAYOUT.dwg LAYOUT: 2 SAVED: 2/13/2018 2:17 PM ACADVER: 20.1S (LMS TECH) PAGESETUP: C-LA-ADOBEPDF
PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 2/13/2018 2:17 PM BY: POSENAUER, LISA

IMAGES:
Town of Tonawanda GIS Web Map.jpg



BASEMAP SOURCE:
Town of Tonawanda Public GIS Web Map
Property boundaries (shown in yellow) as downloaded.

GENERAL ELECTRIC COMPANY
175 MILENS ROAD, TONAWANDA, NEW YORK
2017 ANNUAL GROUNDWATER MONITORING REPORT

SITE LAYOUT

ARCADIS Design & Consultancy for natural and built assets

FIGURE
2

CITY: SYRACUSE, NY DIV/GROUP: EBC-IM/DV LD: L.POSENAUER PM: D.WEEKS TM: D.ZUCK LYR:(Opt)ON=*;OFF=*REF*
C:\Users\lposenauer\OneDrive - ARCADIS\BIM 360 Docs\GE CORP ENV PROG\ALLIANCE PROJECT: TONAWANDA O&M\2018\AP013103.4000\01-DWG\2017GWMR_FIG 3_MONIWELL NETWORK.dwg LAYOUT: 3 SAVED: 2/13/2018 2:49 PM ACADVER: 20.1S (LMS TECH) PAGESETUP: C-LB-ADOBEPDF
PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 2/13/2018 3:30 PM BY: POSENAUER, LISA
XREFS:
X-BASEMAP

E.G.H. YOUNGMANN EXPRESSWAY
(NYSDOT)

MW-6
(SPRING 610.51)
(FALL 609.76)

GE

FORMER RCRA CSA

MW-2R
(SPRING 607.84)
(FALL 608.55)

MW-5R
(SPRING 606.93)
(FALL 607.34)

MW-4
(SPRING 602.95)
(FALL 603.20)

MW-7
(SPRING 603.36)
(FALL 603.86)

MW-8
(SPRING 607.93)
(FALL 607.24)

MILENS ROAD

LEGEND:

- BUILDING FOOTPRINT
- CHAIN LINK FENCE
- PROPERTY LINE
- MW-4 — MONITORING WELL
- (SPRING 607.84) (FALL 608.55) — GROUNDWATER ELEVATION (AMSL)

NOTES:

1. MONITORING WELL NORTHINGS AND EASTINGS ARE RELATIVE TO THE NAD 1983, WITH VERTICAL ELEVATIONS RELATIVE TO NAVD 1988.
2. SPRING 2017 GROUNDWATER ELEVATIONS WERE MONITORED ON 5/15/2017. THE FALL 2017 GROUNDWATER ELEVATIONS WERE MONITORED ON 11/20/2017.

SOURCES:

1. "MAP OF GENERAL ELECTRIC SERVICE CENTER PROPERTY, PART OF LOT 45, TOWNSHIP 12, RANGE 8, TOWN OF TONAWANDA, ERIE COUNTY, NEW YORK" KRIEBEL ASSOCIATES, JULY 29, 1998.
2. SURVEY BY URS CORPORATION – NEW YORK, JUNE 2014.
3. SURVEY BY NUSSBAUMER & CLARK, INC.
4. 2016 SURVEY BY KHEOPS, 11/23/2016.

0 60' 120'
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
175 MILENS ROAD, TONAWANDA, NEW YORK
2017 ANNUAL GROUNDWATER MONITORING REPORT

MONITORING WELL NETWORK AND GROUNDWATER ELEVATIONS

ARCADIS Design & Consultancy for natural and built assets

FIGURE
3

APPENDIX A

2017 Groundwater Sampling Logs

GROUNDWATER SAMPLING LOG

Site GE Parts and Repair Service Center — **GE - Tonawanda, NY** — **Event:** Fall 2017 GW Sampling

Sampling Personnel: Ryan Clare
Well ID: MW-2R
Client / Job Number: GE / AP013103.4000
Date: 11-20-17
Weather: 32°, overcast
Time In: 1000 **Time Out:** 1102

Well Information

Depth to Water:	1.94	(feet TIC)
Total Depth:	9.46	(feet TIC)
Length of Water Column:	7.70	(feet)
Volume of Water in Well:	1.3	(gal)
Screen Interval:	5'-10' bgs	(feet)
Depth to pump Intake:	9'	(feet TIC)

Well Type:	(Flushmount)	Stick-Up	
Well Material:	Stainless Steel	(PVC)	
Well Locked:	(Yes)	No	
Measuring Point Marked:	(Yes)	No	
Well Diameter:	1"	(2")	Other:

Purging Information

Purging Method:	Bailer	(Peristaltic)	Grundfos	Other:
Tubing/Bailer Material:	St. Steel	(Polyethylene)	Teflon	Other:
Sampling Method:	Bailer	(Peristaltic)	Grundfos	Other:

Duration of Pumping: 40 (min)
Average Pumping Rate: 110 (ml/min) Water-Quality Meter Type: YSI/Lamotte 2020
Total Volume Removed: 1.1 (gal) Did well go dry: Yes (No)

Conversion Factors				
gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L =3785 ml = 0.1337 cubic feet				

Unit Stability			
pH	DO	Cond.	ORP
±0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1 1015	2 1020	3 1025	4 1030	5 1035	6 1040	7 1045	8 1050	9 1055	10	11	12	13
Volume Purged (gal)				0.5			0.8		1.1				
Rate (mL/min)	140	125	110	110	100	100	100	110	A				
Depth to Water (ft.)	2.98	3.17	3.81	4.98	5.01	5.20	5.21	5.37	M				
pH	7.60	7.70	7.72	7.76	7.76	7.75	7.74	7.72	P				
Temp. (C)	12.4	12.3	12.3	12.2	12.1	12.3	12.1	12.6	L				
Conductivity (mS/cm)	1.69	1.65	1.63	1.60	1.59	1.60	1.59	1.60	E				
Dissolved Oxygen (mg/l)	2.56	2.04	2.05	2.06	1.92	1.82	1.94	1.96					
ORP (mV)	165.5	156.5	150.5	149.2	148.7	148.0	148.9	148.0					
Turbidity (NTU)	7.49	6.25	5.80	4.89	4.60	3.82	4.01	3.72					
Notes:													

Sampling Information

Analyses	#	Laboratory
VOCs	3	Buffalo-Test America
PCBs	2	Buffalo-Test America
Sample ID: MW-2R	Sample Time: 1055	
MS/MSD:	Yes (No)	
Duplicate:	Yes (No)	
Duplicate ID: /	Dup. Time: /	
Chain of Custody Signed By:	Ryan Clare	

Problems / Observations

Initial Purge: clear; No color; No odor

Final Purge: clear; No color; No odor

GROUNDWATER SAMPLING LOG

Site GE Parts and Repair Service Center — **GE - Tonawanda, NY** — **Event:** Fall 2017 GW Sampling

Sampling Personnel: Ryan Clare
Well ID: MW-4
Client / Job Number: GE / AP013103.4000
Date: 11-21-17
Weather: 45°; Windy & Sunny
Time In: 0830 **Time Out:** 0930

Well Information

Depth to Water:	7.33	(feet TIC)
Total Depth:	15.56	(feet TIC)
Length of Water Column:	8.23	(feet)
Volume of Water in Well:	1.34	(gal)
Screen Interval:	~~Not Known~~ (5)	(feet) 6-16 (10)
Depth to pump Intake:	14.5'	(feet TIC)

Well Type:	(Flushmount)	Stick-Up	
Well Material:	Stainless Steel	(PVC)	
Well Locked:	Yes	(No)	
Measuring Point Marked:	(Yes)	No	
Well Diameter:	1"	(2")	Other:

Purging Information

Purging Method:	Bailer	(Peristaltic)	Grundfos	Other:
Tubing/Bailer Material:	St. Steel	(Polyethylene)	Teflon	Other:
Sampling Method:	Bailer	(Peristaltic)	Grundfos	Other:

Duration of Pumping: 30 (min)
Average Pumping Rate: 140 (ml/min) Water-Quality Meter Type: YSI/Lamotte 2020
Total Volume Removed: 1.1 (gal) Did well go dry: Yes (No)

Conversion Factors				
gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L =3785 ml = 0.1337 cubic feet				

Unit Stability			
pH	DO	Cond.	ORP
±0.1	± 10%	± 3.0%	± 10 mV

	1	2	3	4	5	6	7	8	9	10	11	12	13
Parameter:	0850	0855	0900	0905	0910	0915	0920						
Volume Purged (gal)			0.5			1.0	S						
Rate (mL/min)	140	140	140	140	140	140	A						
Depth to Water (ft.)	7.69	7.98	8.21	8.44	8.65	8.83	M						
pH	7.31	7.33	7.36	7.37	7.39	7.42	P						
Temp. (C)	13.3	13.2	13.0	13.2	12.4	12.7	L						
Conductivity (mS/cm)	1.82	1.79	1.77	1.76	1.75	1.72	E						
Dissolved Oxygen (mg/l)	2.39	2.32	2.47	2.49	2.58	2.63							
ORP (mV)	197.4	192.7	189.7	187.4	185.5	183.7							
Turbidity (NTU)	2.88	3.93	3.12	2.59	2.61	2.61							
Notes:													

Sampling Information

Analyses	#	Laboratory
VOCs	3	Buffalo-Test America
PCBs	2	Buffalo-Test America
Sample ID: MW-4		Sample Time: 0920
MS/MSD:	Yes (No)	
Duplicate:	Yes (No)	
Duplicate ID:	—	Dup. Time: —
Chain of Custody Signed By:	Ryan Clare	

Problems / Observations

Initial Purge: Clear; No Odor; No odor

Final Purge: Same as above

GROUNDWATER SAMPLING LOG

Site GE Parts and Repair Service Center — **GE - Tonawanda, NY** — **Event:** Fall 2017 GW Sampling

Sampling Personnel:	Ryan Clare	**Well ID:**	MW-5R
Client / Job Number:	GE / AP013103.4000	**Date:**	11-20-17
Weather:	39°, windy & overcast	**Time In:**	1208 **Time Out:** 1440

Well Information

Depth to Water:	3.50	(feet TIC)
Total Depth:	29.52	(feet TIC)
Length of Water Column:	26.02	(feet)
Volume of Water in Well:	4.2	(gal)
Screen Interval:	15'-30 bgs	(feet)
Depth to pump Intake:	27'	(feet TIC)

Well Type:	(Flushmount)		Stick-Up	
Well Material:	Stainless Steel		(PVC)	
Well Locked:	(Yes)		No	
Measuring Point Marked:	(Yes)		No	
Well Diameter:	1"	(2")	Other:	

Purging Information

Purging Method:	Bailer	(Peristaltic)	Grundfos	Other:
Tubing/Bailer Material:	St. Steel	(Polyethylene)	Teflon	Other:
Sampling Method:	Bailer	(Peristaltic)	Grundfos	Other:

Duration of Pumping:	95 (min)			
Average Pumping Rate:	110 (ml/min)	Water-Quality Meter Type:	YSI/Lamotte 2020	
Total Volume Removed:	2.9 (gal)	Did well go dry:	Yes	(No)

Conversion Factors				
gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L =3785 ml = 0.1337 cubic feet				

Unit Stability			
pH	DO	Cond.	ORP
±0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	6	7	8	9	10	11	12	13
	1220	1225	1230	1235	1240	1245	1250	1255	1300	1305	1310	1315	1320
Volume Purged (gal)				0.5			1.0			1.5			1.8
Rate (mL/min)	150	100	100	100	100	110	110	110	120	120	100	110	110
Depth to Water (ft.)	4.38	4.72	5.14	5.70	6.34	6.96	7.56	8.19	8.72	9.19	9.69	10.23	10.81
pH	7.17	7.16	7.14	7.14	7.12	7.08	7.05	7.02	7.02	7.02	7.04	7.04	7.04
Temp. (C)	12.8	9.1	12.6	13.2	13.1	13.3	13.4	13.3	12.7	13.1	12.8	13.2	13.1
Conductivity (mS/cm)	1.87	1.93	1.84	1.86	1.84	1.83	1.80	1.77	1.73	1.69	1.68	1.65	1.63
Dissolved Oxygen (mg/l)	0.66	0.54	0.39	0.49	0.56	0.61	0.57	0.55	0.57	0.56	0.57	1.81	2.82
ORP (mV)	-11.0	-17.7	-20.9	-25.0	-26.6	-26.7	-25.7	-25.0	-23.2	-19.5	-13.5	5.9	23.3
Turbidity (NTU)	2.56	2.17	1.87	1.78	1.31	1.45	2.50	2.72	2.51	1.59	1.52	1.84	1.29
Notes:													

Sampling Information

Analyses	#	Laboratory
VOCs	9	Buffalo-Test America
PCBs	6	Buffalo-Test America
Sample ID: MW-5R		Sample Time: 1400
MS/MSD:	(Yes)	No
Duplicate:	Yes	(No)
Duplicate ID: DUP	—	Dup. Time: —
Chain of Custody Signed By:	Ryan Clare	

Problems / Observations

Initial Purge: Clear, No color No odor

Final Purge:

Same as above

GROUNDWATER SAMPLING LOG

Site GE Parts and Repair Service Center — **GE - Tonawanda, NY** — ***Event:*** *Fall 2017 GW Sampling*

Sampling Personnel: Ryan Clare — **Well ID:** MW-5R
Client / Job Number: GE / AP013103.4000 — **Date:** 11-20-17
Weather: 40° / Windy; overcast — **Time In:** 1208 — **Time Out:** 1440

Well Information

Depth to Water:	(feet TIC)
Total Depth:	(feet TIC)
Length of Water Column:	(feet)
Volume of Water in Well:	(gal)
Screen Interval:	(feet)
Depth to pump Intake:	(feet TIC)

Well Type:	Flushmount	Stick-Up	
Well Material:	Stainless Steel	PVC	
Well Locked:	Yes	No	
Measuring Point Marked:	Yes	No	
Well Diameter:	1"	2"	Other:

Purging Information

Info. on pg. 1

Purging Method:	Bailer	(Peristaltic)	Grundfos	Other:
Tubing/Bailer Material:	St. Steel	(Polyethylene)	Teflon	Other:
Sampling Method:	Bailer	(Peristaltic)	Grundfos	Other:

Duration of Pumping: (min)
Average Pumping Rate: (ml/min) — Water-Quality Meter Type: YSI/Lamotte 2020
Total Volume Removed: (gal) — Did well go dry: Yes No

Conversion Factors				
gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L =3785 ml = 0.1337 cubic feet				

Unit Stability			
pH	DO	Cond.	ORP
±0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	6	7	8	9	10	11	12	13
	1325	1330	1335	1340	1345	1350	1355	1400					
Volume Purged (gal)			2.3			2.75		S					
Rate (mL/min)	110	100	100	100	100	120	100	A					
Depth to Water (ft.)	11.31	11.75	12.21	12.61	13.10	13.87	14.58	M					
pH	7.05	7.06	7.07	7.06	7.07	7.05	7.08	P					
Temp. (C)	12.8	12.9	12.5	12.2	13.1	13.8	13.5	L					
Conductivity (mS/cm)	1.63	1.63	1.65	1.62	1.62	1.62	1.64	E					
Dissolved Oxygen (mg/l)	3.33	2.94	3.10	3.31	3.35	3.67	3.46						
ORP (mV)	33.2	37.1	33.8	44.9	47.1	50.7	44.0						
Turbidity (NTU)	1.02	1.05	1.00	0.89	0.85	0.79	0.85						
Notes:													

Sampling Information

Analyses	#	Laboratory
VOCs		Buffalo-Test America
PCBs		Buffalo-Test America
Sample ID:		Sample Time:
MS/MSD:	Yes	No
Duplicate:	Yes	No
Duplicate ID:		Dup. Time:
Chain of Custody Signed By:		

Problems / Observations

Initial Purge:

see pg. 1

Final Purge:

GROUNDWATER SAMPLING LOG

Site GE Parts and Repair Service Center — **GE - Tonawanda, NY** — **Event:** Fall 2017 GW Sampling

Sampling Personnel: Ryan Clare
Well ID: MW-6
Client / Job Number: GE / AP013103.4000
Date: 11-21-17
Weather: 45°, Windy & Sunny
Time In: 0940 **Time Out:** 1130

Well Information

Depth to Water:	4.79	(feet TIC)
Total Depth:	32.35	(feet TIC)
Length of Water Column:	27.56	(feet)
Volume of Water in Well:	45	(gal)
Screen Interval:	15'-30 bgs	(feet)
Depth to pump Intake:	30'	(feet TIC)

Well Type:	Flushmount	(Stick-Up)	
Well Material:	Stainless Steel	(PVC)	
Well Locked:	(Yes)	No	
Measuring Point Marked:	(Yes)	No	
Well Diameter:	1"	(2")	Other:

Purging Information

Purging Method:	Bailer	(Peristaltic)	Grundfos	Other:
Tubing/Bailer Material:	St. Steel	(Polyethylene)	Teflon	Other:
Sampling Method:	Bailer	(Peristaltic)	Grundfos	Other:

Duration of Pumping:	65 (min)		
Average Pumping Rate:	140 (ml/min)	Water-Quality Meter Type:	YSI/Lamotte 2020
Total Volume Removed:	2 (gal)	Did well go dry:	Yes (No)

Conversion Factors				
gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L =3785 ml = 0.1337 cubic feet				

Unit Stability			
pH	DO	Cond.	ORP
±0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	6	7	8	9	10	11	12	13
	1005	1010	1015	1020	1025	1030	1035	1040	1045	1050	1055	1100	1105
Volume Purged (gal)			0.7			1.1			1.5			1.8	S
Rate (mL/min)	145	140	140	140	140	140	140	140	140	140	140	140	A
Depth to Water (ft.)	6.98	7.23	7.92	8.62	9.31	9.94	10.49	11.05	11.57	12.01	12.43	12.80	M
pH	6.95	6.96	6.98	6.99	7.00	7.01	7.00	7.02	7.02	7.02	7.03	7.04	P
Temp. (C)	12.8	12.9	12.9	12.9	12.7	12.9	12.9	12.9	12.9	12.8	13.0	12.9	L
Conductivity (mS/cm)	2.13	2.11	2.07	2.03	1.99	1.96	1.93	1.92	1.92	1.92	1.93	1.93	E
Dissolved Oxygen (mg/l)	0.61	0.47	0.29	0.21	0.20	0.19	0.18	0.17	0.15	0.14	0.14	0.15	
ORP (mV)	-50.5	-58.3	-64.9	-61.3	-51.7	-44.0	-38.0	-34.9	-32.8	-32.7	-32.7	-33.2	
Turbidity (NTU)	1.21	1.88	2.55	8.92	2.09	1.15	1.23	1.63	1.56	1.33	1.33	1.36	
Notes:													

Sampling Information

Analyses	#	Laboratory
VOCs	3	Buffalo-Test America
PCBs	2	Buffalo-Test America
Sample ID: MW-6		Sample Time: 1105
MS/MSD:	Yes (No)	
Duplicate:	Yes (No)	
Duplicate ID: /		Dup. Time: /
Chain of Custody Signed By:	Ryan Clare	

Problems / Observations

Initial Purge: Clear; No odor; No color

Final Purge: same as above

GROUNDWATER SAMPLING LOG

Site GE Parts and Repair Service Center — **GE - Tonawanda, NY** — **Event:** Fall 2017 GW Sampling

Sampling Personnel:	Ryan Clare	**Well ID:**	MW-7
Client / Job Number:	GE / AP013103.4000	**Date:**	11-20-17
Weather:	34°; Windy + overcast	**Time In:**	1108 **Time Out:** 1200

Well Information

Depth to Water:	8.22	(feet TIC)
Total Depth:	29.62	(feet TIC)
Length of Water Column:	21.40	(feet)
Volume of Water in Well:	3.5	(gal)
Screen Interval:	15-30 bgs	(feet)
Depth to pump Intake:	26'	(feet TIC)

Well Type:	(Flushmount)	Stick-Up		
Well Material:	Stainless Steel	(PVC)		
Well Locked:	(Yes)	No		
Measuring Point Marked:	(Yes)	No		
Well Diameter:	1"	(2")	Other:	

Purging Information

Purging Method:	Bailer	(Peristaltic)	Grundfos	Other:
Tubing/Bailer Material:	St. Steel	(Polyethylene)	Teflon	Other:
Sampling Method:	Bailer	(Peristaltic)	Grundfos	Other:

Duration of Pumping: 90 (min)

Average Pumping Rate: 115 (ml/min) — Water-Quality Meter Type: YSI/Lamotte 2020

Total Volume Removed: 1.1 (gal) — Did well go dry: Yes (No)

Conversion Factors				
gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L =3785 ml = 0.1337 cubic feet				

Unit Stability			
pH	DO	Cond.	ORP
±0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	6	7	8	9	10	11	12	13
	1115	1120	1125	1130	1135	1140	1145	1150					
Volume Purged (gal)				0.55			0.9	1.1					
Rate (mL/min)	115	115	115	115	110	115	110	110					
Depth to Water (ft.)	8.80	9.40	9.91	10.45	10.73	11.40	11.86	11.94					
pH	7.23	7.21	7.21	7.20	7.20	7.20	7.21	7.21					
Temp. (C)	12.2	12.2	12.0	12.1	12.1	12.0	12.1	12.1					
Conductivity (mS/cm)	1.31	1.31	1.31	1.30	1.30	1.30	1.30	1.30					
Dissolved Oxygen (mg/l)	0.99	0.51	0.34	0.30	0.24	0.23	0.22						
ORP (mV)	-131	-26.4	-31.6	-35.1	-37.7	-39.5	-40.4						
Turbidity (NTU)	3.32	3.31	1.56	1.40	1.27	1.28	1.31						
Notes:													

Sampling Information

Analyses	#	Laboratory
VOCs	3	Buffalo-Test America
PCBs	2	Buffalo-Test America
Sample ID:	MW-7	Sample Time: 1150
MS/MSD:	Yes	(No)
Duplicate:	Yes	(No)
Duplicate ID:	—	Dup Time: —
Chain of Custody Signed By:	Ryan Clare	

Problems / Observations

Initial Purge: Clear; No odor; No odor.

0.9 ppm headspace

Final Purge: Same; 0.0 ppm headspace

GROUNDWATER SAMPLING LOG

Site GE Parts and Repair Service Center — **GE - Tonawanda, NY** — **Event:** Fall 2017 GW Sampling

Sampling Personnel: Ryan Clare
Well ID: MW-8
Client / Job Number: GE / AP013103.4000
Date: 11-20-17
Weather: 42°, windy, cloudy
Time In: 1445 **Time Out:** 1630

Well Information

Depth to Water:	3.80	(feet TIC)
Total Depth:	29.72	(feet TIC)
Length of Water Column:	25.92	(feet)
Volume of Water in Well:	4.2	(gal)
Screen Interval:	15'-30' bgs	(feet)
Depth to pump Intake:	27'	(feet TIC)

Well Type:	(Flushmount)			Stick-Up
Well Material:	Stainless Steel			(PVC)
Well Locked:		(Yes)		No
Measuring Point Marked:		(Yes)		No
Well Diameter:	1"	(2")		Other:

Purging Information

Purging Method:	Bailer	(Peristaltic)	Grundfos	Other:
Tubing/Bailer Material:	St. Steel	(Polyethylene)	Teflon	Other:
Sampling Method:	Bailer	(Peristaltic)	Grundfos	Other:

Duration of Pumping: 85 (min)
Average Pumping Rate: 110 (ml/min) — Water-Quality Meter Type: YSI/Lamotte 2020
Total Volume Removed: 2.7 (gal) — Did well go dry: Yes (No)

Conversion Factors				
gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L =3785 ml = 0.1337 cubic feet				

Unit Stability			
pH	DO	Cond.	ORP
±0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	6	7	8	9	10	11	12	13
	1450	1455	1500	1505	1510	1515	1520	1525	1530	1535	1540	1545	1550
Volume Purged (gal)			0.5			1.0			1.5			1.9	
Rate (mL/min)	140	140	110	110	110	110	110	110	110	110	110	110	110
Depth to Water (ft.)	4.87	5.45	6.01	6.68	7.25	7.84	8.34	8.87	9.36	9.84	10.44	10.97	11.50
pH	7.30	7.29	7.28	7.28	7.27	7.27	7.27	7.27	7.27	7.27	7.26	7.27	7.26
Temp. (C)	13.7	13.8	13.7	13.8	14.0	13.8	13.9	13.8	13.6	14.0	14.1	14.0	13.9
Conductivity (mS/cm)	1.20	1.20	1.19	1.20	1.19	1.19	1.18	1.18	1.18	1.18	1.18	1.18	1.19
Dissolved Oxygen (mg/l)	0.82	0.72	0.24	0.27	0.17	0.18	0.18	0.25	0.32	0.31	0.52	0.63	0.80
ORP (mV)	-59.6	-66.3	-68.3	-67.1	-65.4	-59.9	-55.2	-50.6	-45.8	-45.7	-37.3	-30.3	-26.8
Turbidity (NTU)	16.2	13.4	11.1	11.6	12.0	11.68	12.2	11.3	12.0	11.3	11.48	9.69	8.86
Notes:													

Sampling Information

Analyses	#	Laboratory
VOCs	6	Buffalo-Test America
PCBs	4	Buffalo-Test America
Sample ID: MW-8		Sample Time: 1615
MS/MSD:	Yes (No)	
Duplicate:	(Yes) No	
Duplicate ID: DUP-112017		Dup. Time: 1615
Chain of Custody Signed By:	Ryan Clare	

Problems / Observations

Initial Purge: clear, No odor; No odor

Final Purge: Same as above

GROUNDWATER SAMPLING LOG

Site GE Parts and Repair Service Center — **GE - Tonawanda, NY** — **Event:** Fall 2017 GW Sampling

Sampling Personnel: Ryan Clare
Well ID: MW-8
Client / Job Number: GE / AP013103.4000
Date: 11-20-17
Weather: Sunny & Windy ; 40°
Time In: 1445 **Time Out:** 1630

Well Information

Depth to Water:		(feet TIC)
Total Depth:		(feet TIC)
Length of Water Column:		(feet)
Volume of Water in Well:		(gal)
Screen Interval:		(feet)
Depth to pump Intake:		(feet TIC)

info on Pg 1

Well Type:	Flushmount	Stick-Up	
Well Material:	Stainless Steel	PVC	
Well Locked:	Yes	No	
Measuring Point Marked:	Yes	No	
Well Diameter:	1"	2"	Other:

Purging Information

Purging Method:	Bailer	(Peristaltic)	Grundfos	Other:
Tubing/Bailer Material:	St. Steel	(Polyethylene)	Teflon	Other:
Sampling Method:	Bailer	(Peristaltic)	Grundfos	Other:

Duration of Pumping: (min)
Average Pumping Rate: (ml/min) Water-Quality Meter Type: YSI/Lamotte 2020
Total Volume Removed: (gal) Did well go dry: Yes No

Conversion Factors				
gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L =3785 ml = 0.1337 cubic feet				

Unit Stability			
pH	DO	Cond.	ORP
±0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	6	7	8	9	10	11	12	13
	1555	1600	1605	1610	1615								
Volume Purged (gal)			2.4		5								
Rate (mL/min)	110	100	100	100	A								
Depth to Water (ft.)	12.02	12.40	12.81	13.20	M								
pH	7.27	7.26	7.27	7.27	P								
Temp. (C)	13.8	13.6	13.6	13.5	L								
Conductivity (mS/cm)	1.20	1.20	1.20	1.20	E								
Dissolved Oxygen (mg/l)	0.83	0.98	0.98	1.05									
ORP (mV)	-22.0	-17.2	-17.6	-16.3									
Turbidity (NTU)	11.2	7.60	7.44	7.30									
Notes:													

Sampling Information

Analyses	#	Laboratory
VOCs		Buffalo-Test America
PCBs		Buffalo-Test America
Sample ID:		Sample Time:
MS/MSD:	Yes	No
Duplicate:	Yes	No
Duplicate ID:		Dup. Time:
Chain of Custody Signed By:		

Problems / Observations

Initial Purge:

info. on Pg 1

Final Purge:

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

Chain of Custody Record

TestAmerica

Client Information	Sampler: J. Baxter	Lab PM: Deyo, Melissa L	Carrier Tracking No(s):	COC No: 480-97448-23205.1
Client Contact: Mr. Daniel Zuck	Phone: 585-750-2606	E-Mail: melissa.deyo@testamericainc.com		Page: Page 1 of 2
Company: ARCADIS U.S. Inc				Job #:
Address: One Lincoln Center 110 West Fayette St, Suite 300	Due Date Requested:			
City: Syracuse	TAT Requested (days):			
State, Zip: NY, 13202				
Phone:	PO #: AP013103.4000			
Email: daniel.zuck@arcadis-us.com	WO #:			
Project Name: GE Tonawanda Groundwater Analysis	Project #: 48015103			
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; K - EDTA; L - EDA; 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)

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)	8082A - PCBs	8260C - TCL VOCs	Temperature	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	A			
MW-2R 20170515	5/15/17	14:30	G	Water	X	N	2	3			
MW-4 20170515	5/15/17	16:00	G	Water	X	N	2	3			
MW-8 20170516	5/16/17	8:45	G	Water	X	X	2	3			
MW-7 20170516	5/16/17	13:45	G	Water	X	N	2	X			MS/MSD
MW-5R 20170516	5/16/17	16:25	G	Water	X	N	2	3			
MW-6 20170517	5/17/17	9:45	G	Water	X	N	2	3			
FB-01-20170517	5/17/17	10:15	G	Water	X	N	2	3			
FD-01-20170515	5/15/17	—	G	Water	X	N	2	3			
Trip Blank	5/5/17	—	—	Water	X	N	2				
Temp Blank	5/17/17	—	—	Water	X	N			3		
MW-8 (MS/MSD)	5/16/17	8:45	G	Water	X	N	4	6	X		

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Jeff Baxter / Melissa Deyo	5/17/17 16:00	ARCADIS		5-17-17 1800	TAL
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

GROUNDWATER SAMPLING LOG

Site: GE Tonawanda **Client:** GE **Event:** Spring 2017 GW

Sampling Personnel: J. Brader **Well ID:** MW-2R

Client / Job Number: AP013103.4000 **Date:** 5/15/17

Weather: Clear 55-60 **Time In:** **Time Out:**

Well Information

Depth to Water:	2.65	(feet TIC)
Total Depth:	9.47	(feet TIC)
Length of Water Column:	6.82	(feet)
Volume of Water in Well:	1.11	(gal)
Screen Interval:	5 to (10) 9.00	(feet)
Depth to pump Intake:	9.00 (2)	(feet TIC)

Well Type:	(Flushmount)	Stick-Up		
Well Material:	Stainless Steel	(PVC)		
Well Locked:	(Yes)	No		
Measuring Point Marked:	(Yes)	No		
Well Diameter:	1"	(2")	Other:	

Purging Information

Purging Method:	Bailer	(Peristaltic)	Bladder	Other:
Tubing/Bailer Material:	St. Steel	(Polyethylene)	Teflon	Other:
Sampling Method:	Bailer	(Peristaltic)	Bladder	Other:

Duration of Pumping: 35 (min)

Average Pumping Rate: (ml/min) Water-Quality Meter Type: YSI/Lamotte 2020

Total Volume Removed: 1.50 (gal) Did well go dry: Yes (No)

Conversion Factors				
gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L =3785 ml = 0.1337 cubic feet				

Unit Stability			
pH	DO	Cond.	ORP
±0.1	± 10%	± 3.0%	± 10 mV

	1	2	3	4	5	6	7	8	9	10	11	12	13
Parameter:	13:25	13:30	13:35	14:00	14:05	14:10	14:15	14:20					
Volume Purged (gal)	0	0.25	0.50	0.65	0.85	1.00	1.20	1.40					
Rate (mL/min)	140	110	110	110	110	110	110	110					
Depth to Water (ft.)	4.36	4.85	5.18	5.27	5.54	5.74	5.94	6.14					
pH	7.20	7.25	7.26	7.28	7.30	7.32	7.33	7.32					
Temp. (C)	12.77	13.07	13.18	13.10	13.21	13.10	13.07	13.06					
Conductivity (mS/cm)	1.38	1.37	1.361	1.356	1.339	1.330	1.320	1318					
Dissolved Oxygen (mg/l)	2.66	3.04	3.63	4.00	4.49	4.70	4.77	4.78					
ORP (mV)	128.7	123.3	121.6	121.9	122.1	123.1	124.1	125.6					
Turbidity (NTU)	2.01	2.15	0.81	0.83	0.88	1.03	1.15	1.03					
Notes:													

Sampling Information

Analyses	#	Laboratory
TCL VOC	3	Buffalo-Test America
TCL SVOC	2	Buffalo-Test America
TAL Metals	1	Buffalo-Test America
Total Cn	1	Buffalo-Test America
Free Cn	1	Buffalo-Test America
Sample ID: MW-2R	Sample Time: 14:30	
MS/MSD:	Yes (No)	
Duplicate:	(Yes) No	
Duplicate ID DUP-02	Dup. Time: —	
Chain of Custody Signed By:	20170515	

Problems / Observations

Initial Purge: Clear

Final Purge: Clear

Notes: Head Space 2.4 ppm

GROUNDWATER SAMPLING LOG

Site: GE Tonawanda **Client:** GE **Event:** Spring 2017 4Q

Sampling Personnel: J. Baxter **Well ID:** MW-4

Client / Job Number: APal3103.4000 **Date:** 5/15/17

Weather: **Time In:** **Time Out:**

Well Information

Depth to Water:	7.61	(feet TIC)
Total Depth:	15.57	(feet TIC)
Length of Water Column:	7.96	(feet)
Volume of Water in Well:	1.29	(gal)
Screen Interval:	6-16'	(feet)
Depth to pump Intake:	12'	(feet TIC)

Well Type:	(Flushmount)	Stick-Up	
Well Material:	Stainless Steel	(PVC)	
Well Locked:	(Yes)	No	
Measuring Point Marked:	(Yes)	No	
Well Diameter:	1"	(2")	Other:

Purging Information

Purging Method:	Bailer	(Peristaltic)	Bladder	Other:
Tubing/Bailer Material:	St. Steel	(Polyethylene)	Teflon	Other:
Sampling Method:	Bailer	(Peristaltic)	Bladder	Other:
Duration of Pumping:	80 (min)			
Average Pumping Rate:	(ml/min)	Water-Quality Meter Type:	YSI/Lamotte 2020	
Total Volume Removed:	3.3 (gal)	Did well go dry:	Yes	(No)

Conversion Factors				
gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L =3785 ml = 0.1337 cubic feet				

Unit Stability			
pH	DO	Cond.	ORP
±0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	6	7	8	9	10	11	12	13
	14:50	14:55	15:00	15:05	15:10	15:15	15:20	15:25	15:28	15:30	15:33	15:40	15:45
Volume Purged (gal)	0	0.50	0.80	1.20	1.50	1.75	2.00	2.15	2.30	2.50	2.60	2.70	3.00
Rate (mL/min)	250	200	200	200	200	200	150	150	120	120	~~120~~ 60	60	60
Depth to Water (ft.)	7.84	8.52	9.06	9.53	9.94	10.36	10.67	10.85	11.09	11.30	11.51	11.70	12.20
pH	8.00	7.90	7.92	7.88	7.65	7.58	7.52	7.50	7.48	7.46	7.46	7.44	7.45
Temp. (C)	13.03	13.02	13.08	13.09	13.11	12.97	13.36	13.42	13.54	13.63	13.66	13.68	13.67
Conductivity (mS/cm)	2.074	2.099	2.116	2.141	2.035	2.027	1.997	2.003	2.019	2.031	2.028	2.011	2.021
Dissolved Oxygen (mg/l)	5.48	4.39	5.00	5.14	2.52	2.31	1.86	1.83	1.82	1.81	1.62	1.63	1.65
ORP (mV)	162.5	161.0	158.4	155.8	154.6	152.4	147.0	138.3	137.6	136.0	135.2	130.3	131.8
Turbidity (NTU)	2.09	1.86	2.02	1.99	2.05	2.31	1.16	1.10	0.95	1.01	1.18	1.09	0.98
Notes:												Pump off ~~bottom~~ covered tubing	

Sampling Information

Analyses	#	Laboratory
TCL VOC	3	Buffalo-Test America
TCL SVOC	2	Buffalo-Test America
TAL Metals	1	Buffalo-Test America
Total Cn	1	Buffalo-Test America
Free Cn	1	Buffalo-Test America
Sample ID: MW-4		Sample Time: 16:00
MS/MSD:	Yes	No
Duplicate:	Yes	No
Duplicate ID		Dup. Time:
Chain of Custody Signed By:		

Problems / Observations

Initial Purge:

Final Purge:

Notes: Initial Tubing depth was at ± 12' stbc -added weight to tubing and returned tubing to proper depth to continue purging. 14:56:5

GROUNDWATER SAMPLING LOG

Site: GE Tonawanda **Client:** GE **Event:** Spring 2017 GW

Sampling Personnel: J. Brayer **Well ID:** MW-8

Client / Job Number: Apo.0103.4000 **Date:** 3/15/17

Weather: **Time In:** 6:30 **Time Out:** 9:45

Well Information

Depth to Water:	3.11	(feet TIC)
Total Depth:	29.73	(feet TIC)
Length of Water Column:	26.62	(feet)
Volume of Water in Well:	4.34	(gal)
Screen Interval:	29-19	(feet)
Depth to pump Intake:	24	(feet TIC)

Well Type:	(Flushmount)	Stick-Up	
Well Material:	Stainless Steel	(PVC)	
Well Locked:	(Yes)	No	
Measuring Point Marked:	(Yes)	No	
Well Diameter:	1"	(2")	Other:

Purging Information

Purging Method:	Bailer	(Peristaltic)	Bladder	Other:
Tubing/Bailer Material:	St. Steel	(Polyethylene)	Teflon	Other:
Sampling Method:	Bailer	(Peristaltic)	Bladder	Other:

Duration of Pumping: (min)

Average Pumping Rate: 95 (ml/min) Water-Quality Meter Type: YSI/Lamotte 2020

Total Volume Removed: 5.6 (gal) Did well go dry: Yes (No)

Conversion Factors				
gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L =3785 ml = 0.1337 cubic feet				

Unit Stability			
pH	DO	Cond.	ORP
±0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	6	7	8	9	10	11	12	13
	7:05	7:10	7:15	7:20	7:25	7:30	7:35	7:40	7:45	7:50	7:55	8:00	8:05
Volume Purged (gal)	0	0.20	0.50	0.6	0.70	0.80	1.25	1.50	1.75	2.00	2.25	2.50	2.75
Rate (mL/min)	110	110	200	200	200	200	250	200	200	200	200	200	200
Depth to Water (ft.)	3.04	4.45	5.55	5.85	6.05	6.55	8.38	9.43	10.22	11.34	12.28	13.21	14.06
pH	7.63	7.48	7.46	7.45	7.45	7.45	7.43	7.43	7.43	7.43	7.42	7.42	7.42
Temp. (C)	12.60	12.70	12.80	12.81	12.85	12.85	12.81	12.76	12.76	12.76	12.74	12.77	12.81
Conductivity (mS/cm)	0.876	0.875	0.871	0.871	0.871	0.871	0.869	0.866	0.865	0.864	0.864	0.864	0.865
Dissolved Oxygen (mg/l)	5.12	0.59	0.33	0.30	0.24	0.25	0.17	0.15	0.15	0.14	0.15	0.15	0.16
ORP (mV)	127	127.0	124.6	124.9	125.0	125.9	126.2	129.4	130.1	130.9	130.5	129.6	128.0
Turbidity (NTU)	15.9	14.1	13.1	12.1	11.9	12.1	14.2	13.6	12.0	11.3	12.8	11.9	14.2
Notes:				Stopped Pump to adjust Setting									

Sampling Information

Analyses	#	Laboratory
TCL VOC	3	Buffalo-Test America
~~TCL SVOC~~ PCB-2	2	Buffalo-Test America
TAL Metals	1	Buffalo-Test America
Total Cn	1	Buffalo-Test America
Free Cn	1	Buffalo-Test America
Sample ID: MW-8	Sample Time: 8:45	
MS/MSD: (Yes)	No	
Duplicate: Yes	(No)	
Duplicate ID ———	Dup. Time: ———	
Chain of Custody Signed By:		

Problems / Observations

Initial Purge:

Final Purge:

Notes: Head Space 0.8 ppm

MS/MSD Collected

GROUNDWATER SAMPLING LOG

Site: | *Client:* | ***Event:***

Sampling Personnel: | **Well ID:** MW-8
Client / Job Number: | **Date:** 5/15/17
Weather: | **Time In:** | **Time Out:**

Well Information

Depth to Water:	(feet TIC)
Total Depth: See pg	(feet TIC)
Length of Water Column: 1	(feet)
Volume of Water in Well:	(gal)
Screen Interval:	(feet)
Depth to pump Intake:	(feet TIC)

Well Type:	Flushmount	Stick-Up	
Well Material:	Stainless Steel	PVC	
Well Locked:	Yes	No	
Measuring Point Marked:	Yes	No	
Well Diameter:	1"	2"	Other:

Purging Information

Purging Method:	Bailer	Peristaltic	Bladder	Other:
Tubing/Bailer Material:	St. Steel	Polyethylene	Teflon	Other:
Sampling Method:	Bailer	Peristaltic	Bladder	Other:

Duration of Pumping: (min)
Average Pumping Rate: (ml/min) Water-Quality Meter Type: YSI/Lamotte 2020
Total Volume Removed: (gal) Did well go dry: Yes No

Conversion Factors				
gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L =3785 ml = 0.1337 cubic feet				

Unit Stability			
pH	DO	Cond.	ORP
±0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	6	7	8	9	10	11	12	13
	8:10	8:15	8:20	8:25	8:30	8:35	8:40						
Volume Purged (gal)	3.00	3.25	3.50	3.75	4.00	4.25	4.50						
Rate (mL/min)	200	200	200	200	200	200	200						
Depth to Water (ft.)	15.05	15.08	14.99	15.09	15.31	15.25	16.38						
pH	7.43	7.42	7.42	7.42	7.43	7.43	7.43						
Temp. (C)	12.67	12.84	12.67	12.90	12.89	12.86	12.88						
Conductivity (mS/cm)	0.866	0.868	0.870	0.876	0.868	0.866	0.866						
Dissolved Oxygen (mg/l)	0.16	.20	0.22	0.26	0.26	0.30	0.32						
ORP (mV)	124.6	122.4	121.5	121.1	120.9	120.7	120.6						
Turbidity (NTU)	14.2	13.1	15.2	10.4	10.6	11.4	10.8						
Notes:													

Sampling Information

Analyses	#	Laboratory
TCL VOC	3	Buffalo-Test America
~~TCL SVOC~~ RB 2	2	Buffalo-Test America
TAL Metals	1	Buffalo-Test America
Total Cn	1	Buffalo-Test America
Free Cn	1	Buffalo-Test America
Sample ID: MW-8		Sample Time: 8:45
MS/MSD: (Yes)		No
Duplicate: —	Yes	No —
Duplicate ID		Dup. Time:
Chain of Custody Signed By:		

Problems / Observations

Initial Purge:

Final Purge:

Notes:

GROUNDWATER SAMPLING LOG

Site: GE Tonawanda **Client:** GE **Event:** Spring 2017 FW

Sampling Personnel: T Baxter **Well ID:** ~~Spring~~ MW-7

Client / Job Number: AP0193.3000 **Date:** 5/15/17 / 5/16/17

Weather: Clear 55-60 Chance of Rain **Time In:** 11 **Time Out:** 13:30

Well Information

Depth to Water:	~~2.65~~ 8.72 (feet TIC)	8.76
Total Depth:	~~9.47~~ 29.64 (feet TIC)	
Length of Water Column:	20.92 (feet)	
Volume of Water in Well:	3.41 (gal)	
Screen Interval:	29 - 19 (feet)	
Depth to pump Intake:	24' (feet TIC)	

Well Type:	(Flushmount)	Stick-Up	
Well Material:	Stainless Steel	(PVC)	
Well Locked:	(Yes)	No	
Measuring Point Marked:	(Yes)	No	
Well Diameter:	1"	(2")	Other:

Purging Information

Purging Method:	Bailer	(Peristaltic)	Bladder	Other:
Tubing/Bailer Material:	St. Steel	(Polyethylene)	Teflon	Other:
Sampling Method:	Bailer	(Peristaltic)	Bladder	Other:

Duration of Pumping: 65 (min)

Average Pumping Rate: (ml/min) Water-Quality Meter Type: YSI/Lamotte 2020

Total Volume Removed: 3.6 (gal) Did well go dry: Yes (No)

Conversion Factors				
gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L =3785 ml = 0.1337 cubic feet				

Unit Stability			
pH	DO	Cond.	ORP
±0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	12:25	12:30	12:35	12:40	12:45	12:50	12:55	13:00	13:05	13:10	13:15	13:20	13:25	13:30
Volume Purged (gal)	0	0.25	0.50	0.75	1.00	1.30	1.55	1.75	2.00	2.30	2.75	3.00	3.25	3.50
Rate (mL/min)	200	200	200	200	200	200	200	200	160	200	200	200	200	200
Depth to Water (ft.)	8.76	10.38	11.24	12.26	13.23	14.21	15.13	15.31	15.65	15.92	16.30	16.65	17.02	17.46
pH	7.65	7.48	7.46	7.46	7.44	7.44	7.43	7.43	7.43	7.42	7.41	7.41	7.40	7.39
Temp. (C)	13.31	13.23	13.08	12.82	12.66	12.64	12.66	12.82	12.90	12.90	12.82	12.88	12.84	12.88
Conductivity (mS/cm)	0.979	0.973	0.968	0.965	0.962	0.961	0.961	0.960	0.962	0.962	0.962	0.962	0.964	0.962
Dissolved Oxygen (mg/l)	3.02	2.06	1.96	1.95	1.92	1.91	1.89	1.87	1.86	1.85	1.82	1.75	1.65	1.60
ORP (mV)	137.5	136.2	135.9	136.2	137.1	137.9	138.2	138.7	140.0	140.5	141.7	142.1	141.9	142.1
Turbidity (NTU)	2.36	2.78	2.75	2.47	2.96	3.18	4.13	2.67	4.04	2.79	3.08	2.83	2.65	2.09
Notes:									Pump slowed down					

Sampling Information

Analyses	#	Laboratory
TCL VOC	3	Buffalo-Test America
~~TCL SVOC~~ PCB-2	2	Buffalo-Test America
~~TAL Metals~~	1	Buffalo-Test America
~~Total Cn~~	1	Buffalo-Test America
~~Free Cn~~	1	Buffalo-Test America
Sample ID: MW-7	Sample Time: 13:45	
MS/MSD:	Yes (No)	
Duplicate:	Yes (No)	
Duplicate ID —	Dup. Time: —	
Chain of Custody Signed By:		

Problems / Observations

Initial Purge:

Final Purge:

Notes: Head space - ~~2.4 ppm~~ 0.7 ppm

Sample taken on 5/16/17

Initial WL was taken on 5/15/17

GROUNDWATER SAMPLING LOG

Site: GE Tonawanda **Client:** GE **Event:** Spring 2017 GW

Sampling Personnel: J. Braun **Well ID:** MW-58

Client / Job Number: AP013103.4000 **Date:** 5/15/17 5/16/17

Weather: **Time In:** 17:30 **Time Out:** 16:45

Well Information

Depth to Water:	3.91	(feet TIC)
Total Depth:	29.54	(feet TIC)
Length of Water Column:	25.63	(feet)
Volume of Water in Well:	4.18	(gal)
Screen Interval:	19.5-29.5	(feet)
Depth to pump Intake:	24.5	(feet TIC)

Well Type:	(Flushmount)	Stick-Up	
Well Material:	Stainless Steel	(PVC)	
Well Locked:	(Yes)	No	
Measuring Point Marked:	(Yes)	No	
Well Diameter:	1"	(2")	Other:

Purging Information

Purging Method:	Bailer	(Peristaltic)	Bladder	Other:
Tubing/Bailer Material:	St. Steel	(Polyethylene)	Teflon	Other:
Sampling Method:	Bailer	(Peristaltic)	Bladder	Other:

Duration of Pumping: 45 (min)

Average Pumping Rate: (ml/min) Water-Quality Meter Type: YSI/Lamotte 2020

Total Volume Removed: 2.60 (gal) Did well go dry: Yes (No)

Conversion Factors				
gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L = 3785 ml = 0.1337 cubic feet				

Unit Stability			
pH	DO	Cond.	ORP
±0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	15:15	15:20	15:25	15:30	15:35	15:40	15:45	15:50	15:55	16:00	16:05	16:10	16:15	16:20
Volume Purged (gal)	0	0.25	0.45	0.65	0.75	0.95	1.50	1.80	2.10	2.50	2.9	3.3	3.7	4.2
Rate (mL/min)	110	110	110	110	110	110	110	110	110	110	110	110	110	110
Depth to Water (ft.)	4.61	5.55	6.30	7.01	7.79	8.26	8.91	9.68	10.31	10.93	11.56	12.11	12.73	13.40
pH	7.23	7.24	7.23	7.21	7.20	7.20	7.20	7.20	7.20	7.19	7.20	7.19	7.20	7.20
Temp. (C)	13.43	13.31	13.60	13.50	13.40	13.36	13.40	13.44	13.45	13.47	13.45	13.43	13.46	13.41
Conductivity (mS/cm)	1.269	1.265	1.262	1.276	1.270	1.266	1.263	1.264	1.263	1.263	1.263	1.264	1.265	1.265
Dissolved Oxygen (mg/l)	0.49	0.41	0.31	0.23	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.21	0.21	0.21
ORP (mV)	91.3	91.9	92.6	95.3	98.4	99.4	101.5	107.2	106.1	108.1	107.6	106.7	106.9	107.3
Turbidity (NTU)	0.81	1.19	1.33	1.95	2.17	2.27	2.50	2.35	2.03	1.98	2.11	2.32	2.45	2.38
Notes:														

Sampling Information

Analyses	#	Laboratory
TCL VOC	3	Buffalo-Test America
TCL SVOC	2	Buffalo-Test America
TAL Metals	1	Buffalo-Test America
Total Cn	1	Buffalo-Test America
Free Cn	1	Buffalo-Test America
Sample ID: MW-58		Sample Time: 16:25
MS/MSD:	Yes	(No)
Duplicate:	Yes	(No)
Duplicate ID —		Dup. Time: —
Chain of Custody Signed By:		

Problems / Observations

Initial Purge: Clear

Final Purge: Clear

Notes: Headspace 0.5 ppm

GROUNDWATER SAMPLING LOG

Site: GE Tonawanda **Client:** GE **Event:** Spring 2017 GW

Sampling Personnel: J. Brader **Well ID:** MW-6

Client / Job Number: A Pol3103.4000 **Date:** 5/15/17 / 5/17/17

Weather: **Time In:** 9:30 **Time Out:** 11:00

Well Information

Depth to Water:	4.28/4.45	(feet TIC)
Total Depth:	32.36	(feet TIC)
Length of Water Column:	27.91	(feet)
Volume of Water in Well:	4.55	(gal)
Screen Interval:	17-27	(feet)
Depth to pump Intake:	Variable Due to Drawdown (DD)	(feet TIC)

Well Type:	Flushmount	(Stick-Up)		
Well Material:	Stainless Steel	(PVC)		
Well Locked:		(Yes)	No	
Measuring Point Marked:		(Yes)	No	
Well Diameter:	1"	(2")	Other:	

Purging Information

Purging Method:	Bailer	(Peristaltic)	Bladder	Other:
Tubing/Bailer Material:	St. Steel	(Polyethylene)	Teflon	Other:
Sampling Method:	Bailer	(Peristaltic)	Bladder	Other:

Duration of Pumping: 90 (min)

Average Pumping Rate: 200 (ml/min) Water-Quality Meter Type: YSI/Lamotte 2020

Total Volume Removed: 5.6 (gal) Did well go dry: Yes (No)

Conversion Factors				
gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L =3785 ml = 0.1337 cubic feet				

Unit Stability			
pH	DO	Cond.	ORP
±0.1	± 10%	± 3.0%	± 10 mV

	1	2	3	4	5	6	7	8	9	10	11	12	13
Parameter:	8:10	8:15	8:20	8:25	8:30	8:35	8:40	8:45	8:50	8:55	9:00	9:05	9:10
Volume Purged (gal)	0	0.50	1.00	1.20	1.40	1.75	2.00	2.30	2.60	2.90	3.25	3.40	3.70
Rate (mL/min)	250	250	250	200	200	250	250	250	250	250	250	150	150
Depth to Water (ft.)	9.72	7.61	9.2	10.03	10.84	12.38	13.73	15.09	15.92	17.02	17.95	18.08	18.28
pH	7.22	7.07	7.06	7.09	7.10	7.11	7.11	7.12	7.12	7.12	7.12	7.11	7.13
Temp. (C)	13.61	13.64	13.56	13.49	13.45	13.70	13.74	14.06	14.01	14.02	14.26	14.91	15.04
Conductivity (mS/cm)	1.555	1.422	1.359	1.355	1.349	1.357	1.355	1.369	1.368	1.369	~~1.375~~	~~1.369~~	1.507
Dissolved Oxygen (mg/l)	10.60	0.42	0.44	0.47	0.51	0.56	0.63	0.69	0.76	0.82	1.05	1.06	1.22
ORP (mV)	8.0	22.5	42.9	45.9	52.1	61.5	65.2	69.2	71.4	72.2	64.1	66.1	75.8
Turbidity (NTU)	1.89	2.09	2.45	1.21	1.08	1.29	0.91	1.03	0.88	0.95	1.12	0.63	0.71
Notes:													

Sampling Information

Analyses	#	Laboratory
TCL VOC	3	Buffalo-Test America
~~TCL SVOC~~ PCB-2	2	Buffalo-Test America
TAL Metals	1	Buffalo-Test America
Total Cn	1	Buffalo-Test America
Free Cn	1	Buffalo-Test America
Sample ID: MW-6		Sample Time: 9:45
MS/MSD:	Yes	(No)
Duplicate:	Yes	(No)
Duplicate ID: —		Dup. Time: —
Chain of Custody Signed By:		

Problems / Observations

Initial Purge: Clear

Final Purge: Clear

Notes:

~~6.71 - 13.10 Turbid~~

GROUNDWATER SAMPLING LOG

Site: G-E Tonawanda **Client:** G-E **Event:** Spring 2017 GW

Sampling Personnel: **Well ID:** MW-6

Client / Job Number: **Date:** 5/17/17

Weather: **Time In:** 7:30 **Time Out:** 11:00

Well Information

Depth to Water:	See Page 1	(feet TIC)
Total Depth:		(feet TIC)
Length of Water Column:		(feet)
Volume of Water in Well:	4.55	(gal)
Screen Interval:		(feet)
Depth to pump Intake:		(feet TIC)

Well Type:	Flushmount	Stick-Up	
Well Material:	Stainless Steel	PVC	
Well Locked:	Yes	No	
Measuring Point Marked:	Yes	No	
Well Diameter:	1"	2"	Other:

Purging Information

Purging Method:	Bailer	Peristaltic	Bladder	Other:
Tubing/Bailer Material:	St. Steel	Polyethylene	Teflon	Other:
Sampling Method:	Bailer	Peristaltic	Bladder	Other:

Duration of Pumping: (min)

Average Pumping Rate: (ml/min) Water-Quality Meter Type: YSI/Lamotte 2020

Total Volume Removed: (gal) Did well go dry: Yes No

Conversion Factors				
gal / ft. of water	1" ID	2" ID	4" ID	6" ID
	0.041	0.163	0.653	1.469
1 gal = 3.785 L =3785 ml = 0.1337 cubic feet				

Unit Stability			
pH	DO	Cond.	ORP
±0.1	± 10%	± 3.0%	± 10 mV

Parameter:	1	2	3	4	5	6	7	8	9	10	11	12	13
	9:15	9:20	9:25	9:30	9:35	9:40							
Volume Purged (gal)	4.00	4.30	4.60	4.90	5.20	5.50							
Rate (mL/min)	150	150	150	150	150	150							
Depth to Water (ft.)	18.44	18.64	18.81	18.96	19.11	18.23							
pH	7.13	7.13	7.14	7.15	7.15	7.14							
Temp. (C)	15.06	14.96	14.91	14.81	15.16	15.20							
Conductivity (mS/cm)	1.407	1.405	1.404	1.403	1.429	1.431							
Dissolved Oxygen (mg/l)	1.21	1.23	1.21	1.12	1.04	1.02							
ORP (mV)	77.3	81.4	84.9	86.7	87.4	88.2							
Turbidity (NTU)	0.93	2.41	2.51	2.78	2.51	1.92							
Notes:													

Sampling Information

Analyses	#	Laboratory
TCL VOC	3	Buffalo-Test America
TCL SVOC	2	Buffalo-Test America
TAL Metals	1	Buffalo-Test America
Total Cn	1	Buffalo-Test America
Free Cn	1	Buffalo-Test America
Sample ID:		Sample Time:
MS/MSD:	Yes	No
Duplicate:	Yes	No
Duplicate ID		Dup. Time:
Chain of Custody Signed By:		

Problems / Observations

Initial Purge:

Final Purge:

Notes: -Collected Volatile Field Blank w/ Volatile Free
-collected PCB Field Blank w/ DI water
-Made Temp Blank

APPENDIX B

Data Usability Summary Reports

Spring 2017

ARCADIS Design & Consultancy for natural and built assets

General Electric Company

Parts and Repair Service Center

175 Milens Road

Tonawanda, New York

NYSDEC ID 915244; EPA ID NYD067539940

DATA USABILITY SUMMARY REPORT

Volatile Organic Compound (VOC) and Polychlorinated Biphenyl (PCB) Analyses

SDG #480-118149-1

Analyses Performed By:
TestAmerica Laboratories, Inc.
Amherst, New York

Report #27804R
Review Level: Tier III
Project: AP013103.4000

SUMMARY

This Data Usability Summary Report (DUSR) summarizes the review of Sample Delivery Group (SDG) #480-110087-1 for samples collected in association with The General Electric Company (GE) Parts and Repair Service Center in Tonawanda, NY (NYSDEC ID 915244; EPA ID NYD067539940). The review was conducted as a Tier III evaluation and included review of data package completeness. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis		
					VOC	PCB	MISC
MW-2R 20170515	480-118149-1	Water	05/15/2017		X	X	
MW-4 20170515	480-118149-2	Water	05/15/2017		X	X	
MW-8 20170516	480-118149-3	Water	05/16/2017		X	X	
MW-7 20170516	480-118149-4	Water	05/16/2017		X	X	
MW-5R 20170516	480-118149-5	Water	05/16/2017		X	X	
MW-6 20170517	480-118149-6	Water	05/17/2017		X	X	
FB-01-20170517	480-118149-7	Water	05/17/2017		X	X	
FD-01-20170515	480-118149-8	Water	05/15/2017	MW-2R 20170515	X	X	
TRIP BLANK 05052017	480-118149-9	Water	05/05/2017		X		

Notes:

1. The matrix spike/matrix spike duplicate (MS/MSD) analysis was performed for VOCs and PCBs using sample MW-8.

ANALYTICAL DATA PACKAGE DOCUMENTATION

The table below is the evaluation of the data package completeness.

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample receipt condition		X		X	
2. Requested analyses and sample results		X		X	
3. Master tracking list		X		X	
4. Methods of analysis		X		X	
5. Reporting limits		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preservation verification (as applicable)		X		X	
9. Sample preparation/extraction/analysis dates		X		X	
10. Fully executed Chain-of-Custody (COC) form		X		X	
11. Narrative summary of quality assurance (QA) or sample problems provided		X		X	
12. Data Package Completeness and Compliance		X		X	

ORGANIC ANALYSIS INTRODUCTION

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Methods 8260C and 8082A. Data were reviewed in accordance with the USEPA Region II validation guidelines *Validating Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8260B* (October 2006) and *Validating PCB Compounds by Gas Chromatography SW-846 Method 8082A* (October 2006); the USEPA *National Functional Guidelines for Superfund Organic Methods Data Review* (September 2016); and the *Groundwater Monitoring Plan, GE Parts and Repair Service Center* (September 1, 2016).

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration (C) Qualifiers
  - U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
  - B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
- Quantitation (Q) Qualifiers
  - E The compound was quantitated above the calibration range.
  - D Concentration is based on a diluted sample analysis.
- Validation Qualifiers
  - J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
  - UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.
  - JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.
  - UB Compound considered non-detect at the listed value due to associated blank contamination.
  - N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
  - R The sample results are rejected.

The "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon. It is also important to note that while strict QC serves to increase confidence in data, any value potentially contains error.

VOLATILE ORGANIC COMPOUND (VOC) ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8260C	Water	14 days from collection to analysis	Cool to <6°C; preserved to a pH of less than 2

All samples were analyzed within the specified holding time criteria.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

All compounds associated with the QA blanks exhibited a concentration less than the MDL, with the exception of the compounds listed in the following table. Sample results associated with QA blank contamination that were greater than the BAL resulted in the removal of the laboratory qualifier (B) of data. Sample results less than the BAL associated with the following sample locations were qualified as listed in the following table.

Sample Locations	Analytes	Sample Result	Qualification
MW-6 20170517	Acetone (FB)	Detected sample results <RL and <BAL	"UB" at the RL

Note:
RL Reporting limit
FB Field Blank

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (20%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits, with the exception of the compounds presented in the following table.

Sample Locations	Initial/Continuing	Compound	Criteria
TRIP BLANK	CCV %D	Dichlorodifluoromethane	-58.4%
		Chloromethane	-31.0%
		Vinyl chloride	-35.0%
		1,1,2-Trichloro-1,2,2-trifluoroethane	-38.3%
		1,1-Dichloroethene	-32.8%
		Cyclohexane	-33.6%
		Methylcyclohexane	-31.6%

The criteria used to evaluate the initial and continuing calibration are presented in the following table. In the case of a calibration deviation, the sample results are qualified.

Initial/Continuing	Criteria	Sample Result	Qualification
Initial and Continuing Calibration	RRF <0.05	Non-detect	R
		Detect	J
	RRF <0.01[1]	Non-detect	R
		Detect	J
	RRF >0.05 or RRF >0.01[1]	Non-detect	No Action
		Detect	
Initial Calibration	%RSD > 20% or a correlation coefficient <0.99	Non-detect	UJ
		Detect	J

Initial/Continuing	Criteria	Sample Result	Qualification
	%RSD >90%	Non-detect	R
		Detect	J
Continuing Calibration	%D >30% (increase in sensitivity)	Non-detect	No Action
		Detect	J
	%D >30% (decrease in sensitivity)	Non-detect	UJ
		Detect	J
	%D >90% (increase/decrease in sensitivity)	Non-detect	R
		Detect	J

Note:

[1] RRF of 0.01 only applies to compounds which are typically poor responding compounds (i.e., ketones, 1,4-dioxane, etc.)

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

6. Internal Standard Performance

Internal standard performance criteria insure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria requires the internal standard compounds associated with the VOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits.

7. Matrix Spike/Matrix Spike Duplicate Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

The MS/MSD exhibited acceptable recoveries and RPD between the MS/MSD recoveries.

8. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS analysis exhibited recoveries within the control limits.

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. For water matrices, a control limit of 35% is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices.

Results for duplicate samples are summarized in the following table.

Sample ID/Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
MW-2R 20170515/ FD-01-20170515	All compounds	U	U	AC

Note:

AC Acceptable

No VOCs were detected in samples MW-2R 20170515 and FD-01-20170515; hence, RPD was not calculated and the results are considered to be in agreement.

10. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

All identified compounds met the specified criteria.

11. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

DATA VALIDATION CHECKLIST FOR VOCs

VOCs: SW-846 8260C	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks		X	X		
C. Trip blanks		X		X	
Laboratory Control Sample (LCS) %R		X		X	
Laboratory Control Sample Duplicate (LCSD) %R					X
LCS/LCSD Precision (RPD)					X
Matrix Spike (MS) %R		X		X	
Matrix Spike Duplicate (MSD) %R		X		X	
MS/MSD Precision (RPD)		X		X	
Field/Lab Duplicate (RPD)		X		X	
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content					X
Tier III Validation					
System performance and column resolution		X		X	
Initial calibration %RSDs		X		X	
Continuing calibration RRFs		X		X	
Continuing calibration %Ds		X	X		
Instrument tune and performance check		X		X	
Ion abundance criteria for each instrument used		X		X	
Internal standard		X		X	
Compound identification and quantitation					
A. Reconstructed ion chromatograms		X		X	
B. Quantitation Reports		X		X	

VOCs: SW-846 8260C	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
C. RT of sample compounds within the established RT windows		X		X	
D. Transcription/calculation errors present		X		X	
E. Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:

%RSD Relative standard deviation

%R Percent recovery

RPD Relative percent difference

%D Percent difference

POLYCHLORINATED BIPHENYLS ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8082A	Water	7 days from collection to extraction and 40 days from extraction to analysis	Cool to <6°C

Note:
The holding time above is a recommendation. PCBs are very stable in a variety of matrices, and holding times, under the conditions listed above, may be as long as a year per SW-846 8082A (February 2007).

All samples were analyzed within the specified holding time criteria.

2. Blank Contamination

Quality assurance blanks (i.e., method and rinse blanks) are prepared to identify contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit. The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. System Performance

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

A maximum RSD of 20% is allowed or a correlation coefficient greater than 0.99. Multiple-point calibrations were performed for Aroclor 1016 and 1260 only. Single-point calibrations were performed for the remaining Aroclors.

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (15%).

All calibration criteria were within the control limits.

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. PCB analysis requires that the two PCB surrogate compounds exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

6. Matrix Spike/Matrix Spike Duplicate Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

The MS/MSD exhibited acceptable recoveries and RPD between the MS/MSD recoveries.

7. Laboratory Control Sample Analysis

The LCS analysis is used to assess the accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS analysis exhibited recoveries within the control limits.

8. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. For water matrices, a control limit of 35% is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices.

Results for duplicate samples are summarized in the following table.

Sample ID/Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
MW-2R 20170515/ FD-01-20170515	All compounds	U	U	AC

Note:
AC Acceptable

No PCBs were detected in samples MW-4 and DUP-112216; hence, RPD was not calculated and the results are considered to be in agreement.

9. Compound Identification

The retention times of all quantitated peaks must fall within the calculated retention time windows for both the primary and confirmation columns. When dual column analysis is performed the relative percent difference of detected sample results must be less than 40%.

There were no PCBs detected in the samples, hence the dual column analysis is not applicable.

10. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

DATA VALIDATION CHECKLIST FOR PCBs

PCBs: SW-846 8082A	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY (GC/ECD)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks					X
Laboratory Control Sample (LCS) %R		X		X	
Laboratory Control Sample Duplicate (LCSD) %R					X
LCS/LCSD Precision (RPD)					X
Matrix Spike (MS) %R		X		X	
Matrix Spike Duplicate (MSD) %R		X		X	
MS/MSD Precision (RPD)		X		X	
Field/Lab Duplicate (RPD)		X		X	
Surrogate Spike Recoveries		X		X	
Column (RPD) (If dual column is performed-not confirmation purposes only)		X		X	
Dilution Factor		X		X	
Moisture Content					X
Tier III Validation					
Initial calibration %RSDs		X		X	
Continuing calibration %Ds		X		X	
System performance and column resolution		X		X	
Compound identification and quantitation					
A. Quantitation Reports		X		X	
B. RT of sample compounds within the established RT windows		X		X	
C. Pattern identification		X		X	
D. Transcription/calculation errors present		X		X	
E. Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:

%RSD Relative standard deviation

%R Percent recovery

RPD Relative percent difference

%D Percent difference

SAMPLE COMPLIANCE REPORT

SAMPLE COMPLIANCE REPORT

Sample Delivery Group (SDG)	Sampling Date	Protocol	Sample ID	Matrix	Compliancy[1]		Noncompliance
					VOC	PCB	
480-1181491-1	05/15/2017	SW846	MW-2R 20170515	Water	Yes	Yes	
	05/15/2017	SW846	MW-4 20170515	Water	Yes	Yes	
	05/16/2017	SW846	MW-8 20170516	Water	Yes	Yes	
	05/16/2017	SW846	MW-7 20170516	Water	Yes	Yes	
	05/16/2017	SW846	MW-5R 20170516	Water	Yes	Yes	
	05/17/2017	SW846	MW-6 20170517	Water	No	Yes	VOC – Field blank contamination
	05/17/2017	SW846	FB-01-20170517	Water	Yes	Yes	
	05/15/2017	SW846	FD-01-20170515	Water	Yes	Yes	
	05/05/2017	SW846	TRIP BLANK 05052017	Water	No	--	VOC – CCV %D

Note:

1 Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.

VALIDATION PERFORMED BY: Andrew Korycinski

SIGNATURE: 

DATE: June 13, 2017

PEER REVIEW: Dennis Capria

DATE: June 26, 2017

CHAIN OF CUSTODY

CORRECTED SAMPLE ANALYSIS DATA SHEETS

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: J. Brafer	Lab PM: Deyo, Melissa L	Carrier Tracking No(s):	COC No: 480-97448-23205.1
Client Contact: Mr. Daniel Zuck	Phone: 585-730-2666	E-Mail: melissa.deyo@testamericainc.com		Page: Page 1 of 2
Company: ARCADIS U.S. Inc				Job #:
Address: One Lincoln Center 110 West Fayette St, Suite 300	Due Date Requested:			
City: Syracuse	TAT Requested (days):			
State, Zip: NY, 13202				
Phone:	PO #: AP013103.4000			
Email: daniel.zuck@arcadis-us.com	WO #:			
Project Name: GE Tonawanda Groundwater Analysis	Project #: 48015103			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL M - Hexane
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
Z - other (specify)
Other:

480-118149 COC

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)	8082A - PCBs	8260C - TCL VOCs	Temperature	Total Number of containers	Special Instructions/Note:
Preservation Code:						N	A				
MW-2R 20170515	5/15/17	14:30	G	Water	X	N	2	3			
MW-4 20170515	5/15/17	16:00	G	Water	X	N	2	3			
MW-8 20170516	5/16/17	8:45	G	Water	X	X	2	3			MS/MSD
MW-7 20170516	5/16/17	13:45	G	Water	X	N	X	X			
MW-5R 20170516	5/16/17	16:25	G	Water	X	N	2	3			
MW-6 20170517	5/17/17	9:45	G	Water	X	N	2	3			
FB-01-20170517	5/17/17	10:15	G	Water	X	N	2	3			
FD-01-20170515	5/15/17	—	G	Water	X	N	2	3			
Trip Blank	5/5/17	—	—	Water	X	N	2				
Temp Blank	5/17/17	—	—	Water	X	N			3		
MW-8 (MS/MSD)	5/16/17	8:45	G	Water	X	N	4	6	X		

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Jeff Brafer / Jeffrey Bunyan	5/17/17 16:00	ARCADIS		5-17-17 1800	TAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.8 #1 ICE

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05/25/2017

Qualifiers

GC/MS 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.

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
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

Client Sample ID: MW-2R 20170515

Date Collected: 05/15/17 14:30
Date Received: 05/17/17 18:00

Lab Sample ID: 480-118149-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/24/17 02:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/24/17 02:51	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/24/17 02:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/24/17 02:51	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/24/17 02:51	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/24/17 02:51	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/24/17 02:51	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/24/17 02:51	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/24/17 02:51	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/24/17 02:51	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/24/17 02:51	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/24/17 02:51	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/24/17 02:51	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/24/17 02:51	1
2-Hexanone	ND		5.0	1.2	ug/L			05/24/17 02:51	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/24/17 02:51	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/24/17 02:51	1
Acetone	ND		10	3.0	ug/L			05/24/17 02:51	1
Benzene	ND		1.0	0.41	ug/L			05/24/17 02:51	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/24/17 02:51	1
Bromoform	ND		1.0	0.26	ug/L			05/24/17 02:51	1
Bromomethane	ND		1.0	0.69	ug/L			05/24/17 02:51	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/24/17 02:51	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/24/17 02:51	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/24/17 02:51	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/24/17 02:51	1
Chloroethane	ND		1.0	0.32	ug/L			05/24/17 02:51	1
Chloroform	ND		1.0	0.34	ug/L			05/24/17 02:51	1
Chloromethane	ND		1.0	0.35	ug/L			05/24/17 02:51	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/24/17 02:51	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/24/17 02:51	1
Cyclohexane	ND		1.0	0.18	ug/L			05/24/17 02:51	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/24/17 02:51	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/24/17 02:51	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/24/17 02:51	1
Methyl acetate	ND		2.5	1.3	ug/L			05/24/17 02:51	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/24/17 02:51	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/24/17 02:51	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/24/17 02:51	1
Styrene	ND		1.0	0.73	ug/L			05/24/17 02:51	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/24/17 02:51	1
Toluene	ND		1.0	0.51	ug/L			05/24/17 02:51	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/24/17 02:51	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/24/17 02:51	1
Trichloroethene	ND		1.0	0.46	ug/L			05/24/17 02:51	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/24/17 02:51	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/24/17 02:51	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/24/17 02:51	1

Client Sample ID: MW-2R 20170515

Date Collected: 05/15/17 14:30
Date Received: 05/17/17 18:00

Lab Sample ID: 480-118149-1

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*05/24/17 02:51*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*05/24/17 02:51*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*05/24/17 02:51*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*05/24/17 02:51*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 18:54	1
PCB-1221	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 18:54	1
PCB-1232	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 18:54	1
PCB-1242	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 18:54	1
PCB-1248	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 18:54	1
PCB-1254	ND		0.50	0.25	ug/L		05/19/17 07:25	05/19/17 18:54	1
PCB-1260	ND		0.50	0.25	ug/L		05/19/17 07:25	05/19/17 18:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*98*		*19 - 120*	*05/19/17 07:25*	*05/19/17 18:54*	*1*
DCB Decachlorobiphenyl	*88*		*19 - 120*	*05/19/17 07:25*	*05/19/17 18:54*	*1*
Tetrachloro-m-xylene	*96*		*39 - 121*	*05/19/17 07:25*	*05/19/17 18:54*	*1*
Tetrachloro-m-xylene	*89*		*39 - 121*	*05/19/17 07:25*	*05/19/17 18:54*	*1*

Client Sample ID: MW-4 20170515

Date Collected: 05/15/17 16:00
Date Received: 05/17/17 18:00

Lab Sample ID: 480-118149-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/24/17 03:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/24/17 03:17	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/24/17 03:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/24/17 03:17	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/24/17 03:17	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/24/17 03:17	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/24/17 03:17	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/24/17 03:17	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/24/17 03:17	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/24/17 03:17	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/24/17 03:17	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/24/17 03:17	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/24/17 03:17	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/24/17 03:17	1
2-Hexanone	ND		5.0	1.2	ug/L			05/24/17 03:17	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/24/17 03:17	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/24/17 03:17	1
Acetone	ND		10	3.0	ug/L			05/24/17 03:17	1
Benzene	ND		1.0	0.41	ug/L			05/24/17 03:17	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/24/17 03:17	1
Bromoform	ND		1.0	0.26	ug/L			05/24/17 03:17	1
Bromomethane	ND		1.0	0.69	ug/L			05/24/17 03:17	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/24/17 03:17	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/24/17 03:17	1

Client Sample ID: MW-4 20170515

Date Collected: 05/15/17 16:00
Date Received: 05/17/17 18:00

Lab Sample ID: 480-118149-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		1.0	0.75	ug/L			05/24/17 03:17	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/24/17 03:17	1
Chloroethane	ND		1.0	0.32	ug/L			05/24/17 03:17	1
Chloroform	ND		1.0	0.34	ug/L			05/24/17 03:17	1
Chloromethane	ND		1.0	0.35	ug/L			05/24/17 03:17	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/24/17 03:17	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/24/17 03:17	1
Cyclohexane	ND		1.0	0.18	ug/L			05/24/17 03:17	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/24/17 03:17	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/24/17 03:17	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/24/17 03:17	1
Methyl acetate	ND		2.5	1.3	ug/L			05/24/17 03:17	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/24/17 03:17	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/24/17 03:17	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/24/17 03:17	1
Styrene	ND		1.0	0.73	ug/L			05/24/17 03:17	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/24/17 03:17	1
Toluene	ND		1.0	0.51	ug/L			05/24/17 03:17	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/24/17 03:17	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/24/17 03:17	1
Trichloroethene	ND		1.0	0.46	ug/L			05/24/17 03:17	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/24/17 03:17	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/24/17 03:17	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/24/17 03:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*05/24/17 03:17*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*05/24/17 03:17*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*05/24/17 03:17*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*05/24/17 03:17*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 19:10	1
PCB-1221	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 19:10	1
PCB-1232	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 19:10	1
PCB-1242	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 19:10	1
PCB-1248	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 19:10	1
PCB-1254	ND		0.50	0.25	ug/L		05/19/17 07:25	05/19/17 19:10	1
PCB-1260	ND		0.50	0.25	ug/L		05/19/17 07:25	05/19/17 19:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*66*		*19 - 120*	*05/19/17 07:25*	*05/19/17 19:10*	*1*
DCB Decachlorobiphenyl	*56*		*19 - 120*	*05/19/17 07:25*	*05/19/17 19:10*	*1*
Tetrachloro-m-xylene	*81*		*39 - 121*	*05/19/17 07:25*	*05/19/17 19:10*	*1*
Tetrachloro-m-xylene	*70*		*39 - 121*	*05/19/17 07:25*	*05/19/17 19:10*	*1*

Client Sample ID: MW-8 20170516

Date Collected: 05/16/17 08:45
Date Received: 05/17/17 18:00

Lab Sample ID: 480-118149-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/24/17 03:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/24/17 03:42	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/24/17 03:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/24/17 03:42	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/24/17 03:42	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/24/17 03:42	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/24/17 03:42	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/24/17 03:42	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/24/17 03:42	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/24/17 03:42	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/24/17 03:42	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/24/17 03:42	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/24/17 03:42	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/24/17 03:42	1
2-Hexanone	ND		5.0	1.2	ug/L			05/24/17 03:42	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/24/17 03:42	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/24/17 03:42	1
Acetone	ND		10	3.0	ug/L			05/24/17 03:42	1
Benzene	ND		1.0	0.41	ug/L			05/24/17 03:42	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/24/17 03:42	1
Bromoform	ND		1.0	0.26	ug/L			05/24/17 03:42	1
Bromomethane	ND		1.0	0.69	ug/L			05/24/17 03:42	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/24/17 03:42	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/24/17 03:42	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/24/17 03:42	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/24/17 03:42	1
Chloroethane	ND		1.0	0.32	ug/L			05/24/17 03:42	1
Chloroform	ND		1.0	0.34	ug/L			05/24/17 03:42	1
Chloromethane	ND		1.0	0.35	ug/L			05/24/17 03:42	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/24/17 03:42	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/24/17 03:42	1
Cyclohexane	ND		1.0	0.18	ug/L			05/24/17 03:42	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/24/17 03:42	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/24/17 03:42	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/24/17 03:42	1
Methyl acetate	ND		2.5	1.3	ug/L			05/24/17 03:42	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/24/17 03:42	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/24/17 03:42	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/24/17 03:42	1
Styrene	ND		1.0	0.73	ug/L			05/24/17 03:42	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/24/17 03:42	1
Toluene	ND		1.0	0.51	ug/L			05/24/17 03:42	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/24/17 03:42	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/24/17 03:42	1
Trichloroethene	ND		1.0	0.46	ug/L			05/24/17 03:42	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/24/17 03:42	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/24/17 03:42	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/24/17 03:42	1

Client Sample ID: MW-8 20170516

Date Collected: 05/16/17 08:45
Date Received: 05/17/17 18:00

Lab Sample ID: 480-118149-3

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*05/24/17 03:42*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/24/17 03:42*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*05/24/17 03:42*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*05/24/17 03:42*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 19:25	1
PCB-1221	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 19:25	1
PCB-1232	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 19:25	1
PCB-1242	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 19:25	1
PCB-1248	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 19:25	1
PCB-1254	ND		0.50	0.25	ug/L		05/19/17 07:25	05/19/17 19:25	1
PCB-1260	ND		0.50	0.25	ug/L		05/19/17 07:25	05/19/17 19:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*53*		*19 - 120*	*05/19/17 07:25*	*05/19/17 19:25*	*1*
DCB Decachlorobiphenyl	*47*		*19 - 120*	*05/19/17 07:25*	*05/19/17 19:25*	*1*
Tetrachloro-m-xylene	*86*		*39 - 121*	*05/19/17 07:25*	*05/19/17 19:25*	*1*
Tetrachloro-m-xylene	*74*		*39 - 121*	*05/19/17 07:25*	*05/19/17 19:25*	*1*

Client Sample ID: MW-7 20170516

Date Collected: 05/16/17 13:45
Date Received: 05/17/17 18:00

Lab Sample ID: 480-118149-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/24/17 04:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/24/17 04:07	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/24/17 04:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/24/17 04:07	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/24/17 04:07	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/24/17 04:07	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/24/17 04:07	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/24/17 04:07	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/24/17 04:07	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/24/17 04:07	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/24/17 04:07	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/24/17 04:07	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/24/17 04:07	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/24/17 04:07	1
2-Hexanone	ND		5.0	1.2	ug/L			05/24/17 04:07	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/24/17 04:07	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/24/17 04:07	1
Acetone	ND		10	3.0	ug/L			05/24/17 04:07	1
Benzene	ND		1.0	0.41	ug/L			05/24/17 04:07	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/24/17 04:07	1
Bromoform	ND		1.0	0.26	ug/L			05/24/17 04:07	1
Bromomethane	ND		1.0	0.69	ug/L			05/24/17 04:07	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/24/17 04:07	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/24/17 04:07	1

Client Sample ID: MW-7 20170516

Date Collected: 05/16/17 13:45
Date Received: 05/17/17 18:00

Lab Sample ID: 480-118149-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		1.0	0.75	ug/L			05/24/17 04:07	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/24/17 04:07	1
Chloroethane	ND		1.0	0.32	ug/L			05/24/17 04:07	1
Chloroform	ND		1.0	0.34	ug/L			05/24/17 04:07	1
Chloromethane	ND		1.0	0.35	ug/L			05/24/17 04:07	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/24/17 04:07	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/24/17 04:07	1
Cyclohexane	ND		1.0	0.18	ug/L			05/24/17 04:07	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/24/17 04:07	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/24/17 04:07	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/24/17 04:07	1
Methyl acetate	ND		2.5	1.3	ug/L			05/24/17 04:07	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/24/17 04:07	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/24/17 04:07	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/24/17 04:07	1
Styrene	ND		1.0	0.73	ug/L			05/24/17 04:07	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/24/17 04:07	1
Toluene	ND		1.0	0.51	ug/L			05/24/17 04:07	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/24/17 04:07	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/24/17 04:07	1
Trichloroethene	ND		1.0	0.46	ug/L			05/24/17 04:07	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/24/17 04:07	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/24/17 04:07	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/24/17 04:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*05/24/17 04:07*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*05/24/17 04:07*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*05/24/17 04:07*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*05/24/17 04:07*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 19:40	1
PCB-1221	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 19:40	1
PCB-1232	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 19:40	1
PCB-1242	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 19:40	1
PCB-1248	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 19:40	1
PCB-1254	ND		0.50	0.25	ug/L		05/19/17 07:25	05/19/17 19:40	1
PCB-1260	ND		0.50	0.25	ug/L		05/19/17 07:25	05/19/17 19:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*65*		*19 - 120*	*05/19/17 07:25*	*05/19/17 19:40*	*1*
DCB Decachlorobiphenyl	*56*		*19 - 120*	*05/19/17 07:25*	*05/19/17 19:40*	*1*
Tetrachloro-m-xylene	*79*		*39 - 121*	*05/19/17 07:25*	*05/19/17 19:40*	*1*
Tetrachloro-m-xylene	*73*		*39 - 121*	*05/19/17 07:25*	*05/19/17 19:40*	*1*

Client Sample ID: MW-5R 20170516

Date Collected: 05/16/17 16:25
Date Received: 05/17/17 18:00

Lab Sample ID: 480-118149-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/24/17 04:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/24/17 04:33	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/24/17 04:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/24/17 04:33	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/24/17 04:33	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/24/17 04:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/24/17 04:33	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/24/17 04:33	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/24/17 04:33	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/24/17 04:33	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/24/17 04:33	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/24/17 04:33	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/24/17 04:33	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/24/17 04:33	1
2-Hexanone	ND		5.0	1.2	ug/L			05/24/17 04:33	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/24/17 04:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/24/17 04:33	1
Acetone	ND		10	3.0	ug/L			05/24/17 04:33	1
Benzene	ND		1.0	0.41	ug/L			05/24/17 04:33	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/24/17 04:33	1
Bromoform	ND		1.0	0.26	ug/L			05/24/17 04:33	1
Bromomethane	ND		1.0	0.69	ug/L			05/24/17 04:33	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/24/17 04:33	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/24/17 04:33	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/24/17 04:33	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/24/17 04:33	1
Chloroethane	ND		1.0	0.32	ug/L			05/24/17 04:33	1
Chloroform	ND		1.0	0.34	ug/L			05/24/17 04:33	1
Chloromethane	ND		1.0	0.35	ug/L			05/24/17 04:33	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/24/17 04:33	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/24/17 04:33	1
Cyclohexane	ND		1.0	0.18	ug/L			05/24/17 04:33	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/24/17 04:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/24/17 04:33	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/24/17 04:33	1
Methyl acetate	ND		2.5	1.3	ug/L			05/24/17 04:33	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/24/17 04:33	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/24/17 04:33	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/24/17 04:33	1
Styrene	ND		1.0	0.73	ug/L			05/24/17 04:33	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/24/17 04:33	1
Toluene	ND		1.0	0.51	ug/L			05/24/17 04:33	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/24/17 04:33	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/24/17 04:33	1
Trichloroethene	ND		1.0	0.46	ug/L			05/24/17 04:33	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/24/17 04:33	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/24/17 04:33	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/24/17 04:33	1

Client Sample ID: MW-5R 20170516

Date Collected: 05/16/17 16:25
Date Received: 05/17/17 18:00

Lab Sample ID: 480-118149-5

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*05/24/17 04:33*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/24/17 04:33*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*05/24/17 04:33*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*05/24/17 04:33*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 19:56	1
PCB-1221	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 19:56	1
PCB-1232	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 19:56	1
PCB-1242	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 19:56	1
PCB-1248	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 19:56	1
PCB-1254	ND		0.50	0.25	ug/L		05/19/17 07:25	05/19/17 19:56	1
PCB-1260	ND		0.50	0.25	ug/L		05/19/17 07:25	05/19/17 19:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*72*		*19 - 120*	*05/19/17 07:25*	*05/19/17 19:56*	*1*
DCB Decachlorobiphenyl	*64*		*19 - 120*	*05/19/17 07:25*	*05/19/17 19:56*	*1*
Tetrachloro-m-xylene	*88*		*39 - 121*	*05/19/17 07:25*	*05/19/17 19:56*	*1*
Tetrachloro-m-xylene	*80*		*39 - 121*	*05/19/17 07:25*	*05/19/17 19:56*	*1*

Client Sample ID: MW-6 20170517

Date Collected: 05/17/17 09:45
Date Received: 05/17/17 18:00

Lab Sample ID: 480-118149-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/24/17 04:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/24/17 04:58	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/24/17 04:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/24/17 04:58	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/24/17 04:58	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/24/17 04:58	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/24/17 04:58	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/24/17 04:58	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/24/17 04:58	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/24/17 04:58	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/24/17 04:58	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/24/17 04:58	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/24/17 04:58	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/24/17 04:58	1
2-Hexanone	ND		5.0	1.2	ug/L			05/24/17 04:58	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/24/17 04:58	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/24/17 04:58	1
Acetone	10 UB	~~3.1 J~~	10	3.0	ug/L			05/24/17 04:58	1
Benzene	ND		1.0	0.41	ug/L			05/24/17 04:58	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/24/17 04:58	1
Bromoform	ND		1.0	0.26	ug/L			05/24/17 04:58	1
Bromomethane	ND		1.0	0.69	ug/L			05/24/17 04:58	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/24/17 04:58	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/24/17 04:58	1

Client Sample ID: MW-6 20170517

Date Collected: 05/17/17 09:45
Date Received: 05/17/17 18:00

Lab Sample ID: 480-118149-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		1.0	0.75	ug/L			05/24/17 04:58	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/24/17 04:58	1
Chloroethane	ND		1.0	0.32	ug/L			05/24/17 04:58	1
Chloroform	ND		1.0	0.34	ug/L			05/24/17 04:58	1
Chloromethane	ND		1.0	0.35	ug/L			05/24/17 04:58	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/24/17 04:58	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/24/17 04:58	1
Cyclohexane	ND		1.0	0.18	ug/L			05/24/17 04:58	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/24/17 04:58	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/24/17 04:58	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/24/17 04:58	1
Methyl acetate	ND		2.5	1.3	ug/L			05/24/17 04:58	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/24/17 04:58	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/24/17 04:58	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/24/17 04:58	1
Styrene	ND		1.0	0.73	ug/L			05/24/17 04:58	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/24/17 04:58	1
Toluene	ND		1.0	0.51	ug/L			05/24/17 04:58	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/24/17 04:58	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/24/17 04:58	1
Trichloroethene	ND		1.0	0.46	ug/L			05/24/17 04:58	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/24/17 04:58	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/24/17 04:58	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/24/17 04:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*05/24/17 04:58*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/24/17 04:58*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*05/24/17 04:58*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*05/24/17 04:58*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 20:11	1
PCB-1221	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 20:11	1
PCB-1232	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 20:11	1
PCB-1242	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 20:11	1
PCB-1248	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 20:11	1
PCB-1254	ND		0.50	0.25	ug/L		05/19/17 07:25	05/19/17 20:11	1
PCB-1260	ND		0.50	0.25	ug/L		05/19/17 07:25	05/19/17 20:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*69*		*19 - 120*	*05/19/17 07:25*	*05/19/17 20:11*	*1*
DCB Decachlorobiphenyl	*56*		*19 - 120*	*05/19/17 07:25*	*05/19/17 20:11*	*1*
Tetrachloro-m-xylene	*93*		*39 - 121*	*05/19/17 07:25*	*05/19/17 20:11*	*1*
Tetrachloro-m-xylene	*77*		*39 - 121*	*05/19/17 07:25*	*05/19/17 20:11*	*1*

Client Sample ID: FB-01-20170517

Date Collected: 05/17/17 10:15
Date Received: 05/17/17 18:00

Lab Sample ID: 480-118149-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/24/17 05:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/24/17 05:23	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/24/17 05:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/24/17 05:23	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/24/17 05:23	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/24/17 05:23	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/24/17 05:23	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/24/17 05:23	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/24/17 05:23	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/24/17 05:23	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/24/17 05:23	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/24/17 05:23	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/24/17 05:23	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/24/17 05:23	1
2-Hexanone	ND		5.0	1.2	ug/L			05/24/17 05:23	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/24/17 05:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/24/17 05:23	1
Acetone	**4.1**	**J**	10	3.0	ug/L			05/24/17 05:23	1
Benzene	ND		1.0	0.41	ug/L			05/24/17 05:23	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/24/17 05:23	1
Bromoform	ND		1.0	0.26	ug/L			05/24/17 05:23	1
Bromomethane	ND		1.0	0.69	ug/L			05/24/17 05:23	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/24/17 05:23	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/24/17 05:23	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/24/17 05:23	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/24/17 05:23	1
Chloroethane	ND		1.0	0.32	ug/L			05/24/17 05:23	1
Chloroform	ND		1.0	0.34	ug/L			05/24/17 05:23	1
Chloromethane	ND		1.0	0.35	ug/L			05/24/17 05:23	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/24/17 05:23	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/24/17 05:23	1
Cyclohexane	ND		1.0	0.18	ug/L			05/24/17 05:23	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/24/17 05:23	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/24/17 05:23	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/24/17 05:23	1
Methyl acetate	ND		2.5	1.3	ug/L			05/24/17 05:23	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/24/17 05:23	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/24/17 05:23	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/24/17 05:23	1
Styrene	ND		1.0	0.73	ug/L			05/24/17 05:23	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/24/17 05:23	1
Toluene	ND		1.0	0.51	ug/L			05/24/17 05:23	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/24/17 05:23	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/24/17 05:23	1
Trichloroethene	ND		1.0	0.46	ug/L			05/24/17 05:23	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/24/17 05:23	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/24/17 05:23	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/24/17 05:23	1

Client Sample ID: FB-01-20170517

Date Collected: 05/17/17 10:15
Date Received: 05/17/17 18:00

Lab Sample ID: 480-118149-7

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*05/24/17 05:23*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*05/24/17 05:23*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*05/24/17 05:23*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*05/24/17 05:23*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 20:26	1
PCB-1221	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 20:26	1
PCB-1232	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 20:26	1
PCB-1242	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 20:26	1
PCB-1248	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 20:26	1
PCB-1254	ND		0.50	0.25	ug/L		05/19/17 07:25	05/19/17 20:26	1
PCB-1260	ND		0.50	0.25	ug/L		05/19/17 07:25	05/19/17 20:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*55*		*19 - 120*	*05/19/17 07:25*	*05/19/17 20:26*	*1*
DCB Decachlorobiphenyl	*49*		*19 - 120*	*05/19/17 07:25*	*05/19/17 20:26*	*1*
Tetrachloro-m-xylene	*92*		*39 - 121*	*05/19/17 07:25*	*05/19/17 20:26*	*1*
Tetrachloro-m-xylene	*81*		*39 - 121*	*05/19/17 07:25*	*05/19/17 20:26*	*1*

Client Sample ID: FD-01-20170515

Date Collected: 05/15/17 00:00
Date Received: 05/17/17 18:00

Lab Sample ID: 480-118149-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/24/17 05:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/24/17 05:49	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/24/17 05:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/24/17 05:49	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/24/17 05:49	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/24/17 05:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/24/17 05:49	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/24/17 05:49	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/24/17 05:49	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/24/17 05:49	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/24/17 05:49	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/24/17 05:49	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/24/17 05:49	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/24/17 05:49	1
2-Hexanone	ND		5.0	1.2	ug/L			05/24/17 05:49	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/24/17 05:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/24/17 05:49	1
Acetone	ND		10	3.0	ug/L			05/24/17 05:49	1
Benzene	ND		1.0	0.41	ug/L			05/24/17 05:49	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/24/17 05:49	1
Bromoform	ND		1.0	0.26	ug/L			05/24/17 05:49	1
Bromomethane	ND		1.0	0.69	ug/L			05/24/17 05:49	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/24/17 05:49	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/24/17 05:49	1

Client Sample ID: FD-01-20170515

Date Collected: 05/15/17 00:00
Date Received: 05/17/17 18:00

Lab Sample ID: 480-118149-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		1.0	0.75	ug/L			05/24/17 05:49	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/24/17 05:49	1
Chloroethane	ND		1.0	0.32	ug/L			05/24/17 05:49	1
Chloroform	ND		1.0	0.34	ug/L			05/24/17 05:49	1
Chloromethane	ND		1.0	0.35	ug/L			05/24/17 05:49	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/24/17 05:49	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/24/17 05:49	1
Cyclohexane	ND		1.0	0.18	ug/L			05/24/17 05:49	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/24/17 05:49	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/24/17 05:49	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/24/17 05:49	1
Methyl acetate	ND		2.5	1.3	ug/L			05/24/17 05:49	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/24/17 05:49	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/24/17 05:49	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/24/17 05:49	1
Styrene	ND		1.0	0.73	ug/L			05/24/17 05:49	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/24/17 05:49	1
Toluene	ND		1.0	0.51	ug/L			05/24/17 05:49	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/24/17 05:49	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/24/17 05:49	1
Trichloroethene	ND		1.0	0.46	ug/L			05/24/17 05:49	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/24/17 05:49	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/24/17 05:49	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/24/17 05:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*05/24/17 05:49*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/24/17 05:49*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*05/24/17 05:49*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*05/24/17 05:49*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 20:42	1
PCB-1221	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 20:42	1
PCB-1232	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 20:42	1
PCB-1242	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 20:42	1
PCB-1248	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 20:42	1
PCB-1254	ND		0.50	0.25	ug/L		05/19/17 07:25	05/19/17 20:42	1
PCB-1260	ND		0.50	0.25	ug/L		05/19/17 07:25	05/19/17 20:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*84*		*19 - 120*	*05/19/17 07:25*	*05/19/17 20:42*	*1*
DCB Decachlorobiphenyl	*73*		*19 - 120*	*05/19/17 07:25*	*05/19/17 20:42*	*1*
Tetrachloro-m-xylene	*97*		*39 - 121*	*05/19/17 07:25*	*05/19/17 20:42*	*1*
Tetrachloro-m-xylene	*89*		*39 - 121*	*05/19/17 07:25*	*05/19/17 20:42*	*1*

Client Sample ID: TRIP BLANK

Date Collected: 05/05/17 00:00
Date Received: 05/17/17 18:00

Lab Sample ID: 480-118149-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/18/17 07:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/18/17 07:16	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/18/17 07:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	UJ	1.0	0.31	ug/L			05/18/17 07:16	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/18/17 07:16	1
1,1-Dichloroethene	ND	UJ	1.0	0.29	ug/L			05/18/17 07:16	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/18/17 07:16	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/18/17 07:16	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/18/17 07:16	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/18/17 07:16	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/18/17 07:16	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/18/17 07:16	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/18/17 07:16	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/18/17 07:16	1
2-Hexanone	ND		5.0	1.2	ug/L			05/18/17 07:16	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/18/17 07:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/18/17 07:16	1
Acetone	ND		10	3.0	ug/L			05/18/17 07:16	1
Benzene	ND		1.0	0.41	ug/L			05/18/17 07:16	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/18/17 07:16	1
Bromoform	ND		1.0	0.26	ug/L			05/18/17 07:16	1
Bromomethane	ND		1.0	0.69	ug/L			05/18/17 07:16	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/18/17 07:16	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/18/17 07:16	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/18/17 07:16	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/18/17 07:16	1
Chloroethane	ND		1.0	0.32	ug/L			05/18/17 07:16	1
Chloroform	ND		1.0	0.34	ug/L			05/18/17 07:16	1
Chloromethane	ND	UJ	1.0	0.35	ug/L			05/18/17 07:16	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/18/17 07:16	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/18/17 07:16	1
Cyclohexane	ND	UJ	1.0	0.18	ug/L			05/18/17 07:16	1
Dichlorodifluoromethane	ND	UJ	1.0	0.68	ug/L			05/18/17 07:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/18/17 07:16	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/18/17 07:16	1
Methyl acetate	ND		2.5	1.3	ug/L			05/18/17 07:16	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/18/17 07:16	1
Methylcyclohexane	ND	UJ	1.0	0.16	ug/L			05/18/17 07:16	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/18/17 07:16	1
Styrene	ND		1.0	0.73	ug/L			05/18/17 07:16	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/18/17 07:16	1
Toluene	ND		1.0	0.51	ug/L			05/18/17 07:16	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/18/17 07:16	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/18/17 07:16	1
Trichloroethene	ND		1.0	0.46	ug/L			05/18/17 07:16	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/18/17 07:16	1
Vinyl chloride	ND	UJ	1.0	0.90	ug/L			05/18/17 07:16	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/18/17 07:16	1

Client: ARCADIS U.S. Inc
Project/Site: GE Tonawanda GW/IDW

TestAmerica Job ID: 480-118149-1

Client Sample ID: TRIP BLANK
Date Collected: 05/05/17 00:00
Date Received: 05/17/17 18:00

Lab Sample ID: 480-118149-9
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		05/18/17 07:16	1
Toluene-d8 (Surr)	98		80 - 120		05/18/17 07:16	1
4-Bromofluorobenzene (Surr)	96		73 - 120		05/18/17 07:16	1
Dibromofluoromethane (Surr)	99		75 - 123		05/18/17 07:16	1

Fall 2017

ARCADIS Design & Consultancy for natural and built assets

General Electric Company

Parts and Repair Service Center

175 Milens Road

Tonawanda, New York

NYSDEC ID 915244; EPA ID NYD067539940

DATA USABILITY SUMMARY REPORT

Volatile Organic Compound (VOC) and Polychlorinated Biphenyl (PCB) Analyses

SDG #480-127885-1

Analyses Performed By:
TestAmerica Laboratories, Inc.
Amherst, New York

Report #28966R
Review Level: Tier III
Project: AP013103.4000

SUMMARY

This Data Usability Summary Report (DUSR) summarizes the review of Sample Delivery Group (SDG) #480-127885-1 for samples collected in association with The General Electric Company (GE) Parts and Repair Service Center in Tonawanda, NY (NYSDEC ID 915244; EPA ID NYD067539940). The review was conducted as a Tier III evaluation and included review of data package completeness. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis		
					VOC	PCB	MISC
MW-2R	480-127885-2	Water	11/20/2017		X	X	
MW-4	480-127885-2	Water	11/21/2017		X	X	
MW-5R	480-127885-2	Water	11/20/2017		X	X	
MW-6	480-127885-2	Water	11/21/2017		X	X	
MW-7	480-127885-2	Water	11/20/2017		X	X	
MW-8	480-127885-2	Water	11/20/2017		X	X	
DUP-112017	480-127885-2	Water	11/20/2017	MW-8	X	X	
FB-112117	480-127885-2	Water	11/21/2017		X	X	
TRIP BLANK	480-127885-2	Water	11/20/2017		X		

Notes:

1. The matrix spike/matrix spike duplicate (MS/MSD) analysis was performed for VOCs and PCBs using sample MW-5R.

ANALYTICAL DATA PACKAGE DOCUMENTATION

The table below is the evaluation of the data package completeness.

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample receipt condition		X		X	
2. Requested analyses and sample results		X		X	
3. Master tracking list		X		X	
4. Methods of analysis		X		X	
5. Reporting limits		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preservation verification (as applicable)		X		X	
9. Sample preparation/extraction/analysis dates		X		X	
10. Fully executed Chain-of-Custody (COC) form		X		X	
11. Narrative summary of quality assurance (QA) or sample problems provided		X		X	
12. Data Package Completeness and Compliance		X		X	

ORGANIC ANALYSIS INTRODUCTION

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Methods 8260C and 8082A. Data were reviewed in accordance with the USEPA Region II validation guidelines *Validating Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8260B* (October 2006) and *Validating PCB Compounds by Gas Chromatography SW-846 Method 8082A* (October 2006); the USEPA *National Functional Guidelines for Superfund Organic Methods Data Review* (September 2016); and the *Groundwater Monitoring Plan, GE Parts and Repair Service Center* (September 1, 2016).

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration (C) Qualifiers

  U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.

  B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.

- Quantitation (Q) Qualifiers

  E The compound was quantitated above the calibration range.

  D Concentration is based on a diluted sample analysis.

- Validation Qualifiers

  J The compound was positively identified; however, the associated numerical value is an estimated concentration only.

  UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.

  JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.

  UB Compound considered non-detect at the listed value due to associated blank contamination.

  N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.

  R The sample results are rejected.

The "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon. It is also important to note that while strict QC serves to increase confidence in data, any value potentially contains error.

VOLATILE ORGANIC COMPOUND (VOC) ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8260C	Water	14 days from collection to analysis	Cool to <6°C; preserved to a pH of less than 2

All samples were analyzed within the specified holding time criteria.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were detected in the associated QA blanks; however, the associated sample results were greater than the BAL and/or were non-detect. No other qualification of the sample results was required.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (20%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits.

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

6. Internal Standard Performance

Internal standard performance criteria insure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria requires the internal standard compounds associated with the VOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits.

7. Matrix Spike/Matrix Spike Duplicate Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

Sample locations associated with the MS/MSD exhibiting recoveries outside of the control limits are presented in the following table.

Sample Locations	Compound	MS Recovery	MSD Recovery
MW-5R	Chloromethane	>UL	>UL
	Dichlorodifluoromethane	>UL	>UL
	Tetrachloroethene	>UL	AC
	Trichloroethene	>UL	AC

Note:

AC Acceptable

The criteria used to evaluate the MS/MSD recoveries are presented in the following table. In the case of an MS/MSD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> the upper control limit (UL)	Non-detect	No Action
	Detect	J

8. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS analysis exhibited recoveries within the control limits.

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. For water matrices, a control limit of 35% is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices.

Results for duplicate samples are summarized in the following table.

Sample ID/ Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
MW-8/ DUP-112017	All compounds	U	U	AC

Note:

AC Acceptable

No VOCs were detected in samples MW-8 and DUP-112017; hence, RPD was not calculated and the results are considered to be in agreement.

10. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

All identified compounds met the specified criteria.

11. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

DATA VALIDATION CHECKLIST FOR VOCs

VOCs: SW-846 8260C	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks		X		X	
C. Trip blanks		X		X	
Laboratory Control Sample (LCS) %R		X		X	
Laboratory Control Sample Duplicate (LCSD) %R					X
LCS/LCSD Precision (RPD)					X
Matrix Spike (MS) %R		X	X		
Matrix Spike Duplicate (MSD) %R		X	X		
MS/MSD Precision (RPD)		X		X	
Field/Lab Duplicate (RPD)		X		X	
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content					X
Tier III Validation					
System performance and column resolution		X		X	
Initial calibration %RSDs		X		X	
Continuing calibration RRFs		X		X	
Continuing calibration %Ds		X		X	
Instrument tune and performance check		X		X	
Ion abundance criteria for each instrument used		X		X	
Internal standard		X		X	
Compound identification and quantitation					
A. Reconstructed ion chromatograms		X		X	
B. Quantitation Reports		X		X	

VOCs: SW-846 8260C	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
C. RT of sample compounds within the established RT windows		X		X	
D. Transcription/calculation errors present		X		X	
E. Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:

%RSD Relative standard deviation

%R Percent recovery

RPD Relative percent difference

%D Percent difference

POLYCHLORINATED BIPHENYLS ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8082A	Water	7 days from collection to extraction and 40 days from extraction to analysis	Cool to <6°C

Note:
The holding time above is a recommendation. PCBs are very stable in a variety of matrices, and holding times, under the conditions listed above, may be as long as a year per SW-846 8082A (February 2007).

All samples were analyzed within the specified holding time criteria.

2. Blank Contamination

Quality assurance blanks (i.e., method and rinse blanks) are prepared to identify contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit. The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. System Performance

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

A maximum RSD of 20% is allowed or a correlation coefficient greater than 0.99. Multiple-point calibrations were performed for Aroclor 1016 and 1260 only. Single-point calibrations were performed for the remaining Aroclors.

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (15%).

All calibration criteria were within the control limits.

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. PCB analysis requires that the two PCB surrogate compounds exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

6. Matrix Spike/Matrix Spike Duplicate Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

The MS/MSD exhibited acceptable recoveries and RPD between the MS/MSD recoveries.

7. Laboratory Control Sample Analysis

The LCS analysis is used to assess the accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS analysis exhibited recoveries within the control limits.

8. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. For water matrices, a control limit of 35% is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices.

Results for duplicate samples are summarized in the following table.

Sample ID/Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
MW-8/ DUP-112017	All compounds	U	U	AC

Note:
AC Acceptable

No PCBs were detected in samples MW-4 and DUP-112216; hence, RPD was not calculated and the results are considered to be in agreement.

9. Compound Identification

The retention times of all quantitated peaks must fall within the calculated retention time windows for both the primary and confirmation columns. When dual column analysis is performed the relative percent difference of detected sample results must be less than 40%.

There were no PCBs detected in the samples, hence the dual column analysis is not applicable.

10. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

DATA VALIDATION CHECKLIST FOR PCBs

PCBs: SW-846 8082A	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY (GC/ECD)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks					X
Laboratory Control Sample (LCS) %R		X		X	
Laboratory Control Sample Duplicate (LCSD) %R					X
LCS/LCSD Precision (RPD)					X
Matrix Spike (MS) %R		X		X	
Matrix Spike Duplicate (MSD) %R		X		X	
MS/MSD Precision (RPD)		X		X	
Field/Lab Duplicate (RPD)		X		X	
Surrogate Spike Recoveries		X		X	
Column (RPD) (If dual column is performed-not confirmation purposes only)		X		X	
Dilution Factor		X		X	
Moisture Content					X
Tier III Validation					
Initial calibration %RSDs		X		X	
Continuing calibration %Ds		X		X	
System performance and column resolution		X		X	
Compound identification and quantitation					
A. Quantitation Reports		X		X	
B. RT of sample compounds within the established RT windows		X		X	
C. Pattern identification		X		X	
D. Transcription/calculation errors present		X		X	
E. Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:

%RSD Relative standard deviation

%R Percent recovery

RPD Relative percent difference

%D Percent difference

SAMPLE COMPLIANCE REPORT

SAMPLE COMPLIANCE REPORT

Sample Delivery Group (SDG)	Sampling Date	Protocol	Sample ID	Matrix	Compliancy[1]		Noncompliance
					VOC	PCB	
480-127885-1	11/20/2017	SW846	MW-2R	Water	Yes	Yes	
	11/21/2017	SW846	MW-4	Water	Yes	Yes	
	11/20/2017	SW846	MW-5R	Water	Yes	Yes	
	11/21/2017	SW846	MW-6	Water	Yes	Yes	
	11/20/2017	SW846	MW-7	Water	Yes	Yes	
	11/20/2017	SW846	MW-8	Water	Yes	Yes	
	11/20/2017	SW846	DUP-112017	Water	Yes	Yes	
	11/21/2017	SW846	FB-112117	Water	Yes	Yes	
	11/20/2017	SW846	TRIP BLANK	Water	Yes	--	

Note:

1 Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.

VALIDATION PERFORMED BY: Andrew Korycinski

SIGNATURE: 

DATE: January 2, 2018

PEER REVIEW: Dennis Capria

DATE: January 14, 2018

CHAIN OF CUSTODY

CORRECTED SAMPLE ANALYSIS DATA SHEETS

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228
Phone: 716.691.2600 Fax: 716.691.7991

Chain of Custody Record 242628

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Dan Zuck	Site Contact: Ryan Clare	Date: 11-21-17	COC No:
Company Name: Arcadis	Tel/Fax: 315-671-9152	Lab Contact: M. Deyo	Carrier: —	1 of 1 COCs
Address: One Lincoln center 110 West	Analysis Turnaround Time			Sampler:
City/State/Zip: Fayette St., ste. 300 Syracuse, NY 13202	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone:	TAT if different from Below Standard			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: GE Tonawanda Groundwater Analysis	☐ 1 week			
Site:	☐ 2 days			Job / SDG No.:
PO# AP013103.4000	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	8082A - PCB's	8260C-TCL VOC's	Sample Specific Notes:
MW-2R	11/20/17	1055	G	GW	5	N	N	X	X	
MW-4	11/21/17	0920	G	GW	5	N	N	X	X	
MW-5R	11/20/17	1400	G	GW	5	N	Y	X	X	
MW-6	11/21/17	1105	G	GW	5	N	N	X	X	
MW-7	11/20/17	1150	G	GW	5	N	N	X	X	
MW-8	11/20/17	1615	G	GW	5	N	N	X	X	
MW-5R (MS/MSD)	11/20/17	1400	G	GW	10	N	N	X	X	
DUP-112017	11/20/17	—	G	GW	5	N	N	X	X	
FB-112117	11/21/17	1130	G		5	N	N	X	X	
TRIP BLANK	11/21/17	—	—		2	N	N		X	

480-127885 COC

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

	1	2

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

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 & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Ryan Clare	Arcadis	11/21/17 1220	[signature]	TA Buf.	11/21/17 1210
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

2.1, 2.4 #1

Client Sample ID: MW-2R

Date Collected: 11/20/17 10:55
Date Received: 11/21/17 12:20

Lab Sample ID: 480-127885-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/24/17 21:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/24/17 21:33	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/24/17 21:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/24/17 21:33	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/24/17 21:33	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/24/17 21:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/24/17 21:33	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/24/17 21:33	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/24/17 21:33	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/24/17 21:33	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/24/17 21:33	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/24/17 21:33	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/24/17 21:33	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/24/17 21:33	1
2-Hexanone	ND		5.0	1.2	ug/L			11/24/17 21:33	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/24/17 21:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/24/17 21:33	1
Acetone	ND		10	3.0	ug/L			11/24/17 21:33	1
Benzene	ND		1.0	0.41	ug/L			11/24/17 21:33	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/24/17 21:33	1
Bromoform	ND		1.0	0.26	ug/L			11/24/17 21:33	1
Bromomethane	ND		1.0	0.69	ug/L			11/24/17 21:33	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/24/17 21:33	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/24/17 21:33	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/24/17 21:33	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/24/17 21:33	1
Chloroethane	ND		1.0	0.32	ug/L			11/24/17 21:33	1
Chloroform	ND		1.0	0.34	ug/L			11/24/17 21:33	1
Chloromethane	ND		1.0	0.35	ug/L			11/24/17 21:33	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/24/17 21:33	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/24/17 21:33	1
Cyclohexane	ND		1.0	0.18	ug/L			11/24/17 21:33	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/24/17 21:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/24/17 21:33	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/24/17 21:33	1
Methyl acetate	ND		2.5	1.3	ug/L			11/24/17 21:33	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/24/17 21:33	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/24/17 21:33	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/24/17 21:33	1
Styrene	ND		1.0	0.73	ug/L			11/24/17 21:33	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/24/17 21:33	1
Toluene	ND		1.0	0.51	ug/L			11/24/17 21:33	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/24/17 21:33	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/24/17 21:33	1
Trichloroethene	ND		1.0	0.46	ug/L			11/24/17 21:33	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/24/17 21:33	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/24/17 21:33	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/24/17 21:33	1

Client Sample ID: MW-2R

Date Collected: 11/20/17 10:55
Date Received: 11/21/17 12:20

Lab Sample ID: 480-127885-1

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*11/24/17 21:33*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*11/24/17 21:33*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*11/24/17 21:33*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*11/24/17 21:33*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 14:38	1
PCB-1221	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 14:38	1
PCB-1232	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 14:38	1
PCB-1242	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 14:38	1
PCB-1248	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 14:38	1
PCB-1254	ND		0.50	0.25	ug/L		11/22/17 07:54	11/24/17 14:38	1
PCB-1260	ND		0.50	0.25	ug/L		11/22/17 07:54	11/24/17 14:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*57*		*19 - 120*	*11/22/17 07:54*	*11/24/17 14:38*	*1*
DCB Decachlorobiphenyl	*50*		*19 - 120*	*11/22/17 07:54*	*11/24/17 14:38*	*1*
Tetrachloro-m-xylene	*81*		*39 - 121*	*11/22/17 07:54*	*11/24/17 14:38*	*1*
Tetrachloro-m-xylene	*94*		*39 - 121*	*11/22/17 07:54*	*11/24/17 14:38*	*1*

Client Sample ID: MW-4

Date Collected: 11/21/17 09:20
Date Received: 11/21/17 12:20

Lab Sample ID: 480-127885-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/24/17 21:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/24/17 21:57	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/24/17 21:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/24/17 21:57	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/24/17 21:57	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/24/17 21:57	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/24/17 21:57	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/24/17 21:57	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/24/17 21:57	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/24/17 21:57	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/24/17 21:57	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/24/17 21:57	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/24/17 21:57	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/24/17 21:57	1
2-Hexanone	ND		5.0	1.2	ug/L			11/24/17 21:57	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/24/17 21:57	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/24/17 21:57	1
Acetone	ND		10	3.0	ug/L			11/24/17 21:57	1
Benzene	ND		1.0	0.41	ug/L			11/24/17 21:57	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/24/17 21:57	1
Bromoform	ND		1.0	0.26	ug/L			11/24/17 21:57	1
Bromomethane	ND		1.0	0.69	ug/L			11/24/17 21:57	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/24/17 21:57	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/24/17 21:57	1

Client Sample ID: MW-4

Date Collected: 11/21/17 09:20
Date Received: 11/21/17 12:20

Lab Sample ID: 480-127885-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		1.0	0.75	ug/L			11/24/17 21:57	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/24/17 21:57	1
Chloroethane	ND		1.0	0.32	ug/L			11/24/17 21:57	1
Chloroform	ND		1.0	0.34	ug/L			11/24/17 21:57	1
Chloromethane	ND		1.0	0.35	ug/L			11/24/17 21:57	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/24/17 21:57	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/24/17 21:57	1
Cyclohexane	ND		1.0	0.18	ug/L			11/24/17 21:57	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/24/17 21:57	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/24/17 21:57	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/24/17 21:57	1
Methyl acetate	ND		2.5	1.3	ug/L			11/24/17 21:57	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/24/17 21:57	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/24/17 21:57	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/24/17 21:57	1
Styrene	ND		1.0	0.73	ug/L			11/24/17 21:57	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/24/17 21:57	1
Toluene	ND		1.0	0.51	ug/L			11/24/17 21:57	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/24/17 21:57	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/24/17 21:57	1
Trichloroethene	ND		1.0	0.46	ug/L			11/24/17 21:57	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/24/17 21:57	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/24/17 21:57	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/24/17 21:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*11/24/17 21:57*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*11/24/17 21:57*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*11/24/17 21:57*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*11/24/17 21:57*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 15:10	1
PCB-1221	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 15:10	1
PCB-1232	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 15:10	1
PCB-1242	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 15:10	1
PCB-1248	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 15:10	1
PCB-1254	ND		0.50	0.25	ug/L		11/22/17 07:54	11/24/17 15:10	1
PCB-1260	ND		0.50	0.25	ug/L		11/22/17 07:54	11/24/17 15:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*58*		*19 - 120*	*11/22/17 07:54*	*11/24/17 15:10*	*1*
DCB Decachlorobiphenyl	*54*		*19 - 120*	*11/22/17 07:54*	*11/24/17 15:10*	*1*
Tetrachloro-m-xylene	*83*		*39 - 121*	*11/22/17 07:54*	*11/24/17 15:10*	*1*
Tetrachloro-m-xylene	*95*		*39 - 121*	*11/22/17 07:54*	*11/24/17 15:10*	*1*

Client Sample ID: MW-5R

Date Collected: 11/20/17 14:00
Date Received: 11/21/17 12:20

Lab Sample ID: 480-127885-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/24/17 22:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/24/17 22:20	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/24/17 22:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/24/17 22:20	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/24/17 22:20	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/24/17 22:20	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/24/17 22:20	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/24/17 22:20	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/24/17 22:20	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/24/17 22:20	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/24/17 22:20	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/24/17 22:20	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/24/17 22:20	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/24/17 22:20	1
2-Hexanone	ND		5.0	1.2	ug/L			11/24/17 22:20	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/24/17 22:20	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/24/17 22:20	1
Acetone	ND		10	3.0	ug/L			11/24/17 22:20	1
Benzene	ND		1.0	0.41	ug/L			11/24/17 22:20	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/24/17 22:20	1
Bromoform	ND		1.0	0.26	ug/L			11/24/17 22:20	1
Bromomethane	ND		1.0	0.69	ug/L			11/24/17 22:20	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/24/17 22:20	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/24/17 22:20	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/24/17 22:20	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/24/17 22:20	1
Chloroethane	ND		1.0	0.32	ug/L			11/24/17 22:20	1
Chloroform	ND		1.0	0.34	ug/L			11/24/17 22:20	1
Chloromethane	ND	F1	1.0	0.35	ug/L			11/24/17 22:20	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/24/17 22:20	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/24/17 22:20	1
Cyclohexane	ND		1.0	0.18	ug/L			11/24/17 22:20	1
Dichlorodifluoromethane	ND	F1	1.0	0.68	ug/L			11/24/17 22:20	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/24/17 22:20	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/24/17 22:20	1
Methyl acetate	ND		2.5	1.3	ug/L			11/24/17 22:20	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/24/17 22:20	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/24/17 22:20	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/24/17 22:20	1
Styrene	ND		1.0	0.73	ug/L			11/24/17 22:20	1
Tetrachloroethene	ND	F1	1.0	0.36	ug/L			11/24/17 22:20	1
Toluene	ND		1.0	0.51	ug/L			11/24/17 22:20	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/24/17 22:20	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/24/17 22:20	1
Trichloroethene	ND	F1	1.0	0.46	ug/L			11/24/17 22:20	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/24/17 22:20	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/24/17 22:20	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/24/17 22:20	1

Client Sample ID: MW-5R

Date Collected: 11/20/17 14:00
Date Received: 11/21/17 12:20

Lab Sample ID: 480-127885-3

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*11/24/17 22:20*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*11/24/17 22:20*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*11/24/17 22:20*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*11/24/17 22:20*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 13:36	1
PCB-1221	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 13:36	1
PCB-1232	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 13:36	1
PCB-1242	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 13:36	1
PCB-1248	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 13:36	1
PCB-1254	ND		0.50	0.25	ug/L		11/22/17 07:54	11/24/17 13:36	1
PCB-1260	ND		0.50	0.25	ug/L		11/22/17 07:54	11/24/17 13:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*65*		*19 - 120*	*11/22/17 07:54*	*11/24/17 13:36*	*1*
DCB Decachlorobiphenyl	*56*		*19 - 120*	*11/22/17 07:54*	*11/24/17 13:36*	*1*
Tetrachloro-m-xylene	*79*		*39 - 121*	*11/22/17 07:54*	*11/24/17 13:36*	*1*
Tetrachloro-m-xylene	*87*		*39 - 121*	*11/22/17 07:54*	*11/24/17 13:36*	*1*

Client Sample ID: MW-6

Date Collected: 11/21/17 11:05
Date Received: 11/21/17 12:20

Lab Sample ID: 480-127885-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/24/17 22:43	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/24/17 22:43	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/24/17 22:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/24/17 22:43	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/24/17 22:43	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/24/17 22:43	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/24/17 22:43	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/24/17 22:43	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/24/17 22:43	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/24/17 22:43	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/24/17 22:43	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/24/17 22:43	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/24/17 22:43	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/24/17 22:43	1
2-Hexanone	ND		5.0	1.2	ug/L			11/24/17 22:43	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/24/17 22:43	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/24/17 22:43	1
Acetone	ND		10	3.0	ug/L			11/24/17 22:43	1
Benzene	ND		1.0	0.41	ug/L			11/24/17 22:43	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/24/17 22:43	1
Bromoform	ND		1.0	0.26	ug/L			11/24/17 22:43	1
Bromomethane	ND		1.0	0.69	ug/L			11/24/17 22:43	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/24/17 22:43	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/24/17 22:43	1

Client Sample ID: MW-6

Date Collected: 11/21/17 11:05
Date Received: 11/21/17 12:20

Lab Sample ID: 480-127885-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		1.0	0.75	ug/L			11/24/17 22:43	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/24/17 22:43	1
Chloroethane	ND		1.0	0.32	ug/L			11/24/17 22:43	1
Chloroform	ND		1.0	0.34	ug/L			11/24/17 22:43	1
Chloromethane	ND		1.0	0.35	ug/L			11/24/17 22:43	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/24/17 22:43	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/24/17 22:43	1
Cyclohexane	ND		1.0	0.18	ug/L			11/24/17 22:43	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/24/17 22:43	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/24/17 22:43	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/24/17 22:43	1
Methyl acetate	ND		2.5	1.3	ug/L			11/24/17 22:43	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/24/17 22:43	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/24/17 22:43	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/24/17 22:43	1
Styrene	ND		1.0	0.73	ug/L			11/24/17 22:43	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/24/17 22:43	1
Toluene	ND		1.0	0.51	ug/L			11/24/17 22:43	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/24/17 22:43	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/24/17 22:43	1
Trichloroethene	ND		1.0	0.46	ug/L			11/24/17 22:43	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/24/17 22:43	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/24/17 22:43	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/24/17 22:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*11/24/17 22:43*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*11/24/17 22:43*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*11/24/17 22:43*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*11/24/17 22:43*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 15:26	1
PCB-1221	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 15:26	1
PCB-1232	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 15:26	1
PCB-1242	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 15:26	1
PCB-1248	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 15:26	1
PCB-1254	ND		0.50	0.25	ug/L		11/22/17 07:54	11/24/17 15:26	1
PCB-1260	ND		0.50	0.25	ug/L		11/22/17 07:54	11/24/17 15:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*62*		*19 - 120*	*11/22/17 07:54*	*11/24/17 15:26*	*1*
DCB Decachlorobiphenyl	*58*		*19 - 120*	*11/22/17 07:54*	*11/24/17 15:26*	*1*
Tetrachloro-m-xylene	*82*		*39 - 121*	*11/22/17 07:54*	*11/24/17 15:26*	*1*
Tetrachloro-m-xylene	*95*		*39 - 121*	*11/22/17 07:54*	*11/24/17 15:26*	*1*

Client Sample ID: MW-7

Date Collected: 11/20/17 11:50
Date Received: 11/21/17 12:20

Lab Sample ID: 480-127885-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/24/17 23:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/24/17 23:06	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/24/17 23:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/24/17 23:06	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/24/17 23:06	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/24/17 23:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/24/17 23:06	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/24/17 23:06	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/24/17 23:06	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/24/17 23:06	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/24/17 23:06	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/24/17 23:06	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/24/17 23:06	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/24/17 23:06	1
2-Hexanone	ND		5.0	1.2	ug/L			11/24/17 23:06	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/24/17 23:06	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/24/17 23:06	1
Acetone	ND		10	3.0	ug/L			11/24/17 23:06	1
Benzene	ND		1.0	0.41	ug/L			11/24/17 23:06	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/24/17 23:06	1
Bromoform	ND		1.0	0.26	ug/L			11/24/17 23:06	1
Bromomethane	ND		1.0	0.69	ug/L			11/24/17 23:06	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/24/17 23:06	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/24/17 23:06	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/24/17 23:06	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/24/17 23:06	1
Chloroethane	ND		1.0	0.32	ug/L			11/24/17 23:06	1
Chloroform	ND		1.0	0.34	ug/L			11/24/17 23:06	1
Chloromethane	ND		1.0	0.35	ug/L			11/24/17 23:06	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/24/17 23:06	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/24/17 23:06	1
Cyclohexane	ND		1.0	0.18	ug/L			11/24/17 23:06	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/24/17 23:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/24/17 23:06	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/24/17 23:06	1
Methyl acetate	ND		2.5	1.3	ug/L			11/24/17 23:06	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/24/17 23:06	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/24/17 23:06	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/24/17 23:06	1
Styrene	ND		1.0	0.73	ug/L			11/24/17 23:06	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/24/17 23:06	1
Toluene	ND		1.0	0.51	ug/L			11/24/17 23:06	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/24/17 23:06	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/24/17 23:06	1
Trichloroethene	ND		1.0	0.46	ug/L			11/24/17 23:06	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/24/17 23:06	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/24/17 23:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/24/17 23:06	1

Client Sample ID: MW-7

Date Collected: 11/20/17 11:50
Date Received: 11/21/17 12:20

Lab Sample ID: 480-127885-5

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*11/24/17 23:06*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*11/24/17 23:06*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*11/24/17 23:06*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*11/24/17 23:06*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 15:41	1
PCB-1221	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 15:41	1
PCB-1232	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 15:41	1
PCB-1242	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 15:41	1
PCB-1248	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 15:41	1
PCB-1254	ND		0.50	0.25	ug/L		11/22/17 07:54	11/24/17 15:41	1
PCB-1260	ND		0.50	0.25	ug/L		11/22/17 07:54	11/24/17 15:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*57*		*19 - 120*	*11/22/17 07:54*	*11/24/17 15:41*	*1*
DCB Decachlorobiphenyl	*53*		*19 - 120*	*11/22/17 07:54*	*11/24/17 15:41*	*1*
Tetrachloro-m-xylene	*76*		*39 - 121*	*11/22/17 07:54*	*11/24/17 15:41*	*1*
Tetrachloro-m-xylene	*83*		*39 - 121*	*11/22/17 07:54*	*11/24/17 15:41*	*1*

Client Sample ID: MW-8

Date Collected: 11/20/17 16:15
Date Received: 11/21/17 12:20

Lab Sample ID: 480-127885-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/24/17 23:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/24/17 23:30	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/24/17 23:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/24/17 23:30	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/24/17 23:30	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/24/17 23:30	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/24/17 23:30	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/24/17 23:30	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/24/17 23:30	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/24/17 23:30	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/24/17 23:30	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/24/17 23:30	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/24/17 23:30	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/24/17 23:30	1
2-Hexanone	ND		5.0	1.2	ug/L			11/24/17 23:30	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/24/17 23:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/24/17 23:30	1
Acetone	ND		10	3.0	ug/L			11/24/17 23:30	1
Benzene	ND		1.0	0.41	ug/L			11/24/17 23:30	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/24/17 23:30	1
Bromoform	ND		1.0	0.26	ug/L			11/24/17 23:30	1
Bromomethane	ND		1.0	0.69	ug/L			11/24/17 23:30	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/24/17 23:30	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/24/17 23:30	1

Client Sample ID: MW-8

Date Collected: 11/20/17 16:15
Date Received: 11/21/17 12:20

Lab Sample ID: 480-127885-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		1.0	0.75	ug/L			11/24/17 23:30	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/24/17 23:30	1
Chloroethane	ND		1.0	0.32	ug/L			11/24/17 23:30	1
Chloroform	ND		1.0	0.34	ug/L			11/24/17 23:30	1
Chloromethane	ND		1.0	0.35	ug/L			11/24/17 23:30	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/24/17 23:30	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/24/17 23:30	1
Cyclohexane	ND		1.0	0.18	ug/L			11/24/17 23:30	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/24/17 23:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/24/17 23:30	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/24/17 23:30	1
Methyl acetate	ND		2.5	1.3	ug/L			11/24/17 23:30	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/24/17 23:30	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/24/17 23:30	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/24/17 23:30	1
Styrene	ND		1.0	0.73	ug/L			11/24/17 23:30	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/24/17 23:30	1
Toluene	ND		1.0	0.51	ug/L			11/24/17 23:30	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/24/17 23:30	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/24/17 23:30	1
Trichloroethene	ND		1.0	0.46	ug/L			11/24/17 23:30	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/24/17 23:30	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/24/17 23:30	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/24/17 23:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*11/24/17 23:30*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*11/24/17 23:30*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*11/24/17 23:30*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*11/24/17 23:30*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 15:56	1
PCB-1221	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 15:56	1
PCB-1232	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 15:56	1
PCB-1242	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 15:56	1
PCB-1248	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 15:56	1
PCB-1254	ND		0.50	0.25	ug/L		11/22/17 07:54	11/24/17 15:56	1
PCB-1260	ND		0.50	0.25	ug/L		11/22/17 07:54	11/24/17 15:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*64*		*19 - 120*	*11/22/17 07:54*	*11/24/17 15:56*	*1*
DCB Decachlorobiphenyl	*59*		*19 - 120*	*11/22/17 07:54*	*11/24/17 15:56*	*1*
Tetrachloro-m-xylene	*83*		*39 - 121*	*11/22/17 07:54*	*11/24/17 15:56*	*1*
Tetrachloro-m-xylene	*91*		*39 - 121*	*11/22/17 07:54*	*11/24/17 15:56*	*1*

Client Sample ID: DUP-112017

Date Collected: 11/20/17 00:00
Date Received: 11/21/17 12:20

Lab Sample ID: 480-127885-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/24/17 23:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/24/17 23:53	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/24/17 23:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/24/17 23:53	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/24/17 23:53	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/24/17 23:53	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/24/17 23:53	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/24/17 23:53	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/24/17 23:53	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/24/17 23:53	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/24/17 23:53	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/24/17 23:53	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/24/17 23:53	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/24/17 23:53	1
2-Hexanone	ND		5.0	1.2	ug/L			11/24/17 23:53	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/24/17 23:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/24/17 23:53	1
Acetone	ND		10	3.0	ug/L			11/24/17 23:53	1
Benzene	ND		1.0	0.41	ug/L			11/24/17 23:53	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/24/17 23:53	1
Bromoform	ND		1.0	0.26	ug/L			11/24/17 23:53	1
Bromomethane	ND		1.0	0.69	ug/L			11/24/17 23:53	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/24/17 23:53	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/24/17 23:53	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/24/17 23:53	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/24/17 23:53	1
Chloroethane	ND		1.0	0.32	ug/L			11/24/17 23:53	1
Chloroform	ND		1.0	0.34	ug/L			11/24/17 23:53	1
Chloromethane	ND		1.0	0.35	ug/L			11/24/17 23:53	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/24/17 23:53	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/24/17 23:53	1
Cyclohexane	ND		1.0	0.18	ug/L			11/24/17 23:53	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/24/17 23:53	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/24/17 23:53	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/24/17 23:53	1
Methyl acetate	ND		2.5	1.3	ug/L			11/24/17 23:53	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/24/17 23:53	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/24/17 23:53	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/24/17 23:53	1
Styrene	ND		1.0	0.73	ug/L			11/24/17 23:53	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/24/17 23:53	1
Toluene	ND		1.0	0.51	ug/L			11/24/17 23:53	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/24/17 23:53	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/24/17 23:53	1
Trichloroethene	ND		1.0	0.46	ug/L			11/24/17 23:53	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/24/17 23:53	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/24/17 23:53	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/24/17 23:53	1

Client Sample ID: DUP-112017

Date Collected: 11/20/17 00:00
Date Received: 11/21/17 12:20

Lab Sample ID: 480-127885-7

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*11/24/17 23:53*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*11/24/17 23:53*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*11/24/17 23:53*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*11/24/17 23:53*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 16:12	1
PCB-1221	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 16:12	1
PCB-1232	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 16:12	1
PCB-1242	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 16:12	1
PCB-1248	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 16:12	1
PCB-1254	ND		0.50	0.25	ug/L		11/22/17 07:54	11/24/17 16:12	1
PCB-1260	ND		0.50	0.25	ug/L		11/22/17 07:54	11/24/17 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*57*		*19 - 120*	*11/22/17 07:54*	*11/24/17 16:12*	*1*
DCB Decachlorobiphenyl	*53*		*19 - 120*	*11/22/17 07:54*	*11/24/17 16:12*	*1*
Tetrachloro-m-xylene	*76*		*39 - 121*	*11/22/17 07:54*	*11/24/17 16:12*	*1*
Tetrachloro-m-xylene	*84*		*39 - 121*	*11/22/17 07:54*	*11/24/17 16:12*	*1*

Client Sample ID: FB-112117

Date Collected: 11/21/17 11:30
Date Received: 11/21/17 12:20

Lab Sample ID: 480-127885-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/25/17 00:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/25/17 00:16	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/25/17 00:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/25/17 00:16	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/25/17 00:16	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/25/17 00:16	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/25/17 00:16	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/25/17 00:16	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/25/17 00:16	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/25/17 00:16	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/25/17 00:16	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/25/17 00:16	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/25/17 00:16	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/25/17 00:16	1
2-Hexanone	ND		5.0	1.2	ug/L			11/25/17 00:16	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/25/17 00:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/25/17 00:16	1
Acetone	**3.0**	**J**	10	3.0	ug/L			11/25/17 00:16	1
Benzene	ND		1.0	0.41	ug/L			11/25/17 00:16	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/25/17 00:16	1
Bromoform	ND		1.0	0.26	ug/L			11/25/17 00:16	1
Bromomethane	ND		1.0	0.69	ug/L			11/25/17 00:16	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/25/17 00:16	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/25/17 00:16	1

Client Sample ID: FB-112117

Date Collected: 11/21/17 11:30
Date Received: 11/21/17 12:20

Lab Sample ID: 480-127885-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		1.0	0.75	ug/L			11/25/17 00:16	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/25/17 00:16	1
Chloroethane	ND		1.0	0.32	ug/L			11/25/17 00:16	1
Chloroform	ND		1.0	0.34	ug/L			11/25/17 00:16	1
Chloromethane	ND		1.0	0.35	ug/L			11/25/17 00:16	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/25/17 00:16	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/25/17 00:16	1
Cyclohexane	ND		1.0	0.18	ug/L			11/25/17 00:16	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/25/17 00:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/25/17 00:16	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/25/17 00:16	1
Methyl acetate	ND		2.5	1.3	ug/L			11/25/17 00:16	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/25/17 00:16	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/25/17 00:16	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/25/17 00:16	1
Styrene	ND		1.0	0.73	ug/L			11/25/17 00:16	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/25/17 00:16	1
Toluene	ND		1.0	0.51	ug/L			11/25/17 00:16	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/25/17 00:16	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/25/17 00:16	1
Trichloroethene	ND		1.0	0.46	ug/L			11/25/17 00:16	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/25/17 00:16	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/25/17 00:16	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/25/17 00:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*11/25/17 00:16*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*11/25/17 00:16*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*11/25/17 00:16*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*11/25/17 00:16*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 16:27	1
PCB-1221	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 16:27	1
PCB-1232	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 16:27	1
PCB-1242	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 16:27	1
PCB-1248	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 16:27	1
PCB-1254	ND		0.50	0.25	ug/L		11/22/17 07:54	11/24/17 16:27	1
PCB-1260	ND		0.50	0.25	ug/L		11/22/17 07:54	11/24/17 16:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*43*		*19 - 120*	*11/22/17 07:54*	*11/24/17 16:27*	*1*
DCB Decachlorobiphenyl	*38*		*19 - 120*	*11/22/17 07:54*	*11/24/17 16:27*	*1*
Tetrachloro-m-xylene	*83*		*39 - 121*	*11/22/17 07:54*	*11/24/17 16:27*	*1*
Tetrachloro-m-xylene	*92*		*39 - 121*	*11/22/17 07:54*	*11/24/17 16:27*	*1*

Client Sample ID: TRIP BLANK

Date Collected: 11/20/17 00:00
Date Received: 11/21/17 12:20

Lab Sample ID: 480-127885-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/25/17 00:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/25/17 00:39	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/25/17 00:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/25/17 00:39	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/25/17 00:39	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/25/17 00:39	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/25/17 00:39	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/25/17 00:39	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/25/17 00:39	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/25/17 00:39	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/25/17 00:39	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/25/17 00:39	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/25/17 00:39	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/25/17 00:39	1
2-Hexanone	ND		5.0	1.2	ug/L			11/25/17 00:39	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/25/17 00:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/25/17 00:39	1
Acetone	ND		10	3.0	ug/L			11/25/17 00:39	1
Benzene	ND		1.0	0.41	ug/L			11/25/17 00:39	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/25/17 00:39	1
Bromoform	ND		1.0	0.26	ug/L			11/25/17 00:39	1
Bromomethane	ND		1.0	0.69	ug/L			11/25/17 00:39	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/25/17 00:39	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/25/17 00:39	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/25/17 00:39	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/25/17 00:39	1
Chloroethane	ND		1.0	0.32	ug/L			11/25/17 00:39	1
Chloroform	ND		1.0	0.34	ug/L			11/25/17 00:39	1
Chloromethane	ND		1.0	0.35	ug/L			11/25/17 00:39	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/25/17 00:39	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/25/17 00:39	1
Cyclohexane	ND		1.0	0.18	ug/L			11/25/17 00:39	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/25/17 00:39	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/25/17 00:39	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/25/17 00:39	1
Methyl acetate	ND		2.5	1.3	ug/L			11/25/17 00:39	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/25/17 00:39	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/25/17 00:39	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/25/17 00:39	1
Styrene	ND		1.0	0.73	ug/L			11/25/17 00:39	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/25/17 00:39	1
Toluene	ND		1.0	0.51	ug/L			11/25/17 00:39	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/25/17 00:39	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/25/17 00:39	1
Trichloroethene	ND		1.0	0.46	ug/L			11/25/17 00:39	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/25/17 00:39	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/25/17 00:39	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/25/17 00:39	1

Client: ARCADIS U.S. Inc
Project/Site: GE Tonawanda GW/IDW

TestAmerica Job ID: 480-127885-1

Client Sample ID: TRIP BLANK
Date Collected: 11/20/17 00:00
Date Received: 11/21/17 12:20

Lab Sample ID: 480-127885-9
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		11/25/17 00:39	1
Toluene-d8 (Surr)	100		80 - 120		11/25/17 00:39	1
4-Bromofluorobenzene (Surr)	97		73 - 120		11/25/17 00:39	1
Dibromofluoromethane (Surr)	103		75 - 123		11/25/17 00:39	1

APPENDIX C

2017 Groundwater Lab Analysis Reports

Spring 2017

ANALYTICAL REPORT

Job Number: 480-118149-1

Job Description: GE Tonawanda GW/IDW

Contract Number: TAAT092507-R010110

For:
ARCADIS U.S. Inc
One Lincoln Center
110 West Fayette St, Suite 300
Syracuse, NY 13202

Attention: Mr. Daniel A. Zuck



Approved for release.
Rebecca M Jones
Project Management Assistant I
5/25/2017 2:32 PM

Designee for
Melissa L Deyo, Project Manager I
10 Hazelwood Drive, Amherst, NY, 14228-2298
(716)504-9874
melissa.deyo@testamericainc.com
05/25/2017

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project Manager who has signed this report.

TestAmerica Buffalo NELAC Certifications: CADPH 01169CA, FLDOH E87672, ILEPA 200003, KSDOH E-10187, LADEQ 30708, MDH 036-999-337, NHELAP 2973, NJDEP NY455, NHDOH 10026, ORELAP NY200003, PADEP 68-00281, TXCEQ T-104704412-10-1

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Job Narrative
480-118149-1

Receipt
The samples were received on 5/17/2017 6:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.8º C.

GC/MS VOA
Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-357930 recovered outside acceptance criteria, low biased, for Vinyl Chloride, Trichlorofluoromethane, 1,1-Dichloroethene, Carbon disulfide, Chloromethane, 1,1,2-Trichloro-1,2,2-trifluoroethane, Dichlorodifluoromethane, Cyclohexane, and Methylcyclohexane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The following sample is impacted: TRIP BLANK (480-118149-9).

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

GC Semi VOA
Method(s) 8082A: All primary data for analytical batch 358279 is reported from the ZB-35 column.

Method(s) 8082A: The percent difference in a multi-component continuing calibration verification is assessed on the basis of the total amount, individual peak calculations are only listed for completeness.

No additional analytical or quality issues were noted, other than those described above or 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: ARCADIS U.S. Inc
Project/Site: GE Tonawanda GW/IDW

TestAmerica Job ID: 480-118149-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-118149-1	MW-2R 20170515	Water	05/15/17 14:30	05/17/17 18:00
480-118149-2	MW-4 20170515	Water	05/15/17 16:00	05/17/17 18:00
480-118149-3	MW-8 20170516	Water	05/16/17 08:45	05/17/17 18:00
480-118149-4	MW-7 20170516	Water	05/16/17 13:45	05/17/17 18:00
480-118149-5	MW-5R 20170516	Water	05/16/17 16:25	05/17/17 18:00
480-118149-6	MW-6 20170517	Water	05/17/17 09:45	05/17/17 18:00
480-118149-7	FB-01-20170517	Water	05/17/17 10:15	05/17/17 18:00
480-118149-8	FD-01-20170515	Water	05/15/17 00:00	05/17/17 18:00
480-118149-9	TRIP BLANK	Water	05/05/17 00:00	05/17/17 18:00

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GE Tonawanda GW/IDW

TestAmerica Job ID: 480-118149-1

Client Sample ID: MW-2R 20170515 — Lab Sample ID: 480-118149-1

No Detections.

Client Sample ID: MW-4 20170515 — Lab Sample ID: 480-118149-2

No Detections.

Client Sample ID: MW-8 20170516 — Lab Sample ID: 480-118149-3

No Detections.

Client Sample ID: MW-7 20170516 — Lab Sample ID: 480-118149-4

No Detections.

Client Sample ID: MW-5R 20170516 — Lab Sample ID: 480-118149-5

No Detections.

Client Sample ID: MW-6 20170517 — Lab Sample ID: 480-118149-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.1	J	10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: FB-01-20170517 — Lab Sample ID: 480-118149-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.1	J	10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: FD-01-20170515 — Lab Sample ID: 480-118149-8

No Detections.

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-118149-9

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: GE Tonawanda GW/IDW

TestAmerica Job ID: 480-118149-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF

Protocol References:

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

Laboratory References:

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

Client Sample ID: MW-2R 20170515

Date Collected: 05/15/17 14:30
Date Received: 05/17/17 18:00

Lab Sample ID: 480-118149-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/24/17 02:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/24/17 02:51	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/24/17 02:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/24/17 02:51	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/24/17 02:51	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/24/17 02:51	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/24/17 02:51	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/24/17 02:51	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/24/17 02:51	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/24/17 02:51	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/24/17 02:51	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/24/17 02:51	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/24/17 02:51	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/24/17 02:51	1
2-Hexanone	ND		5.0	1.2	ug/L			05/24/17 02:51	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/24/17 02:51	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/24/17 02:51	1
Acetone	ND		10	3.0	ug/L			05/24/17 02:51	1
Benzene	ND		1.0	0.41	ug/L			05/24/17 02:51	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/24/17 02:51	1
Bromoform	ND		1.0	0.26	ug/L			05/24/17 02:51	1
Bromomethane	ND		1.0	0.69	ug/L			05/24/17 02:51	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/24/17 02:51	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/24/17 02:51	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/24/17 02:51	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/24/17 02:51	1
Chloroethane	ND		1.0	0.32	ug/L			05/24/17 02:51	1
Chloroform	ND		1.0	0.34	ug/L			05/24/17 02:51	1
Chloromethane	ND		1.0	0.35	ug/L			05/24/17 02:51	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/24/17 02:51	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/24/17 02:51	1
Cyclohexane	ND		1.0	0.18	ug/L			05/24/17 02:51	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/24/17 02:51	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/24/17 02:51	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/24/17 02:51	1
Methyl acetate	ND		2.5	1.3	ug/L			05/24/17 02:51	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/24/17 02:51	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/24/17 02:51	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/24/17 02:51	1
Styrene	ND		1.0	0.73	ug/L			05/24/17 02:51	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/24/17 02:51	1
Toluene	ND		1.0	0.51	ug/L			05/24/17 02:51	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/24/17 02:51	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/24/17 02:51	1
Trichloroethene	ND		1.0	0.46	ug/L			05/24/17 02:51	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/24/17 02:51	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/24/17 02:51	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/24/17 02:51	1

Client Sample ID: MW-2R 20170515

Date Collected: 05/15/17 14:30
Date Received: 05/17/17 18:00

Lab Sample ID: 480-118149-1

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*05/24/17 02:51*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*05/24/17 02:51*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*05/24/17 02:51*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*05/24/17 02:51*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 18:54	1
PCB-1221	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 18:54	1
PCB-1232	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 18:54	1
PCB-1242	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 18:54	1
PCB-1248	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 18:54	1
PCB-1254	ND		0.50	0.25	ug/L		05/19/17 07:25	05/19/17 18:54	1
PCB-1260	ND		0.50	0.25	ug/L		05/19/17 07:25	05/19/17 18:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*98*		*19 - 120*	*05/19/17 07:25*	*05/19/17 18:54*	*1*
DCB Decachlorobiphenyl	*88*		*19 - 120*	*05/19/17 07:25*	*05/19/17 18:54*	*1*
Tetrachloro-m-xylene	*96*		*39 - 121*	*05/19/17 07:25*	*05/19/17 18:54*	*1*
Tetrachloro-m-xylene	*89*		*39 - 121*	*05/19/17 07:25*	*05/19/17 18:54*	*1*

Client Sample ID: MW-4 20170515

Date Collected: 05/15/17 16:00
Date Received: 05/17/17 18:00

Lab Sample ID: 480-118149-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/24/17 03:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/24/17 03:17	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/24/17 03:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/24/17 03:17	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/24/17 03:17	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/24/17 03:17	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/24/17 03:17	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/24/17 03:17	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/24/17 03:17	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/24/17 03:17	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/24/17 03:17	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/24/17 03:17	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/24/17 03:17	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/24/17 03:17	1
2-Hexanone	ND		5.0	1.2	ug/L			05/24/17 03:17	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/24/17 03:17	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/24/17 03:17	1
Acetone	ND		10	3.0	ug/L			05/24/17 03:17	1
Benzene	ND		1.0	0.41	ug/L			05/24/17 03:17	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/24/17 03:17	1
Bromoform	ND		1.0	0.26	ug/L			05/24/17 03:17	1
Bromomethane	ND		1.0	0.69	ug/L			05/24/17 03:17	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/24/17 03:17	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/24/17 03:17	1

Client Sample ID: MW-4 20170515

Date Collected: 05/15/17 16:00
Date Received: 05/17/17 18:00

Lab Sample ID: 480-118149-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		1.0	0.75	ug/L			05/24/17 03:17	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/24/17 03:17	1
Chloroethane	ND		1.0	0.32	ug/L			05/24/17 03:17	1
Chloroform	ND		1.0	0.34	ug/L			05/24/17 03:17	1
Chloromethane	ND		1.0	0.35	ug/L			05/24/17 03:17	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/24/17 03:17	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/24/17 03:17	1
Cyclohexane	ND		1.0	0.18	ug/L			05/24/17 03:17	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/24/17 03:17	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/24/17 03:17	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/24/17 03:17	1
Methyl acetate	ND		2.5	1.3	ug/L			05/24/17 03:17	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/24/17 03:17	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/24/17 03:17	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/24/17 03:17	1
Styrene	ND		1.0	0.73	ug/L			05/24/17 03:17	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/24/17 03:17	1
Toluene	ND		1.0	0.51	ug/L			05/24/17 03:17	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/24/17 03:17	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/24/17 03:17	1
Trichloroethene	ND		1.0	0.46	ug/L			05/24/17 03:17	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/24/17 03:17	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/24/17 03:17	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/24/17 03:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*05/24/17 03:17*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*05/24/17 03:17*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*05/24/17 03:17*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*05/24/17 03:17*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 19:10	1
PCB-1221	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 19:10	1
PCB-1232	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 19:10	1
PCB-1242	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 19:10	1
PCB-1248	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 19:10	1
PCB-1254	ND		0.50	0.25	ug/L		05/19/17 07:25	05/19/17 19:10	1
PCB-1260	ND		0.50	0.25	ug/L		05/19/17 07:25	05/19/17 19:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*66*		*19 - 120*	*05/19/17 07:25*	*05/19/17 19:10*	*1*
DCB Decachlorobiphenyl	*56*		*19 - 120*	*05/19/17 07:25*	*05/19/17 19:10*	*1*
Tetrachloro-m-xylene	*81*		*39 - 121*	*05/19/17 07:25*	*05/19/17 19:10*	*1*
Tetrachloro-m-xylene	*70*		*39 - 121*	*05/19/17 07:25*	*05/19/17 19:10*	*1*

Client Sample ID: MW-8 20170516

Date Collected: 05/16/17 08:45
Date Received: 05/17/17 18:00

Lab Sample ID: 480-118149-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/24/17 03:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/24/17 03:42	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/24/17 03:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/24/17 03:42	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/24/17 03:42	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/24/17 03:42	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/24/17 03:42	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/24/17 03:42	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/24/17 03:42	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/24/17 03:42	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/24/17 03:42	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/24/17 03:42	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/24/17 03:42	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/24/17 03:42	1
2-Hexanone	ND		5.0	1.2	ug/L			05/24/17 03:42	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/24/17 03:42	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/24/17 03:42	1
Acetone	ND		10	3.0	ug/L			05/24/17 03:42	1
Benzene	ND		1.0	0.41	ug/L			05/24/17 03:42	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/24/17 03:42	1
Bromoform	ND		1.0	0.26	ug/L			05/24/17 03:42	1
Bromomethane	ND		1.0	0.69	ug/L			05/24/17 03:42	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/24/17 03:42	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/24/17 03:42	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/24/17 03:42	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/24/17 03:42	1
Chloroethane	ND		1.0	0.32	ug/L			05/24/17 03:42	1
Chloroform	ND		1.0	0.34	ug/L			05/24/17 03:42	1
Chloromethane	ND		1.0	0.35	ug/L			05/24/17 03:42	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/24/17 03:42	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/24/17 03:42	1
Cyclohexane	ND		1.0	0.18	ug/L			05/24/17 03:42	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/24/17 03:42	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/24/17 03:42	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/24/17 03:42	1
Methyl acetate	ND		2.5	1.3	ug/L			05/24/17 03:42	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/24/17 03:42	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/24/17 03:42	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/24/17 03:42	1
Styrene	ND		1.0	0.73	ug/L			05/24/17 03:42	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/24/17 03:42	1
Toluene	ND		1.0	0.51	ug/L			05/24/17 03:42	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/24/17 03:42	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/24/17 03:42	1
Trichloroethene	ND		1.0	0.46	ug/L			05/24/17 03:42	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/24/17 03:42	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/24/17 03:42	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/24/17 03:42	1

Client Sample ID: MW-8 20170516

Date Collected: 05/16/17 08:45
Date Received: 05/17/17 18:00

Lab Sample ID: 480-118149-3

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*05/24/17 03:42*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/24/17 03:42*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*05/24/17 03:42*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*05/24/17 03:42*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 19:25	1
PCB-1221	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 19:25	1
PCB-1232	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 19:25	1
PCB-1242	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 19:25	1
PCB-1248	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 19:25	1
PCB-1254	ND		0.50	0.25	ug/L		05/19/17 07:25	05/19/17 19:25	1
PCB-1260	ND		0.50	0.25	ug/L		05/19/17 07:25	05/19/17 19:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*53*		*19 - 120*	*05/19/17 07:25*	*05/19/17 19:25*	*1*
DCB Decachlorobiphenyl	*47*		*19 - 120*	*05/19/17 07:25*	*05/19/17 19:25*	*1*
Tetrachloro-m-xylene	*86*		*39 - 121*	*05/19/17 07:25*	*05/19/17 19:25*	*1*
Tetrachloro-m-xylene	*74*		*39 - 121*	*05/19/17 07:25*	*05/19/17 19:25*	*1*

Client Sample ID: MW-7 20170516

Date Collected: 05/16/17 13:45
Date Received: 05/17/17 18:00

Lab Sample ID: 480-118149-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/24/17 04:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/24/17 04:07	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/24/17 04:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/24/17 04:07	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/24/17 04:07	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/24/17 04:07	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/24/17 04:07	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/24/17 04:07	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/24/17 04:07	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/24/17 04:07	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/24/17 04:07	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/24/17 04:07	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/24/17 04:07	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/24/17 04:07	1
2-Hexanone	ND		5.0	1.2	ug/L			05/24/17 04:07	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/24/17 04:07	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/24/17 04:07	1
Acetone	ND		10	3.0	ug/L			05/24/17 04:07	1
Benzene	ND		1.0	0.41	ug/L			05/24/17 04:07	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/24/17 04:07	1
Bromoform	ND		1.0	0.26	ug/L			05/24/17 04:07	1
Bromomethane	ND		1.0	0.69	ug/L			05/24/17 04:07	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/24/17 04:07	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/24/17 04:07	1

Client Sample ID: MW-7 20170516

Date Collected: 05/16/17 13:45
Date Received: 05/17/17 18:00

Lab Sample ID: 480-118149-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		1.0	0.75	ug/L			05/24/17 04:07	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/24/17 04:07	1
Chloroethane	ND		1.0	0.32	ug/L			05/24/17 04:07	1
Chloroform	ND		1.0	0.34	ug/L			05/24/17 04:07	1
Chloromethane	ND		1.0	0.35	ug/L			05/24/17 04:07	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/24/17 04:07	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/24/17 04:07	1
Cyclohexane	ND		1.0	0.18	ug/L			05/24/17 04:07	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/24/17 04:07	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/24/17 04:07	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/24/17 04:07	1
Methyl acetate	ND		2.5	1.3	ug/L			05/24/17 04:07	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/24/17 04:07	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/24/17 04:07	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/24/17 04:07	1
Styrene	ND		1.0	0.73	ug/L			05/24/17 04:07	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/24/17 04:07	1
Toluene	ND		1.0	0.51	ug/L			05/24/17 04:07	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/24/17 04:07	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/24/17 04:07	1
Trichloroethene	ND		1.0	0.46	ug/L			05/24/17 04:07	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/24/17 04:07	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/24/17 04:07	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/24/17 04:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*05/24/17 04:07*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*05/24/17 04:07*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*05/24/17 04:07*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*05/24/17 04:07*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 19:40	1
PCB-1221	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 19:40	1
PCB-1232	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 19:40	1
PCB-1242	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 19:40	1
PCB-1248	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 19:40	1
PCB-1254	ND		0.50	0.25	ug/L		05/19/17 07:25	05/19/17 19:40	1
PCB-1260	ND		0.50	0.25	ug/L		05/19/17 07:25	05/19/17 19:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*65*		*19 - 120*	*05/19/17 07:25*	*05/19/17 19:40*	*1*
DCB Decachlorobiphenyl	*56*		*19 - 120*	*05/19/17 07:25*	*05/19/17 19:40*	*1*
Tetrachloro-m-xylene	*79*		*39 - 121*	*05/19/17 07:25*	*05/19/17 19:40*	*1*
Tetrachloro-m-xylene	*73*		*39 - 121*	*05/19/17 07:25*	*05/19/17 19:40*	*1*

Client Sample ID: MW-5R 20170516

Date Collected: 05/16/17 16:25
Date Received: 05/17/17 18:00

Lab Sample ID: 480-118149-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/24/17 04:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/24/17 04:33	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/24/17 04:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/24/17 04:33	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/24/17 04:33	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/24/17 04:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/24/17 04:33	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/24/17 04:33	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/24/17 04:33	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/24/17 04:33	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/24/17 04:33	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/24/17 04:33	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/24/17 04:33	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/24/17 04:33	1
2-Hexanone	ND		5.0	1.2	ug/L			05/24/17 04:33	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/24/17 04:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/24/17 04:33	1
Acetone	ND		10	3.0	ug/L			05/24/17 04:33	1
Benzene	ND		1.0	0.41	ug/L			05/24/17 04:33	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/24/17 04:33	1
Bromoform	ND		1.0	0.26	ug/L			05/24/17 04:33	1
Bromomethane	ND		1.0	0.69	ug/L			05/24/17 04:33	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/24/17 04:33	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/24/17 04:33	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/24/17 04:33	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/24/17 04:33	1
Chloroethane	ND		1.0	0.32	ug/L			05/24/17 04:33	1
Chloroform	ND		1.0	0.34	ug/L			05/24/17 04:33	1
Chloromethane	ND		1.0	0.35	ug/L			05/24/17 04:33	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/24/17 04:33	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/24/17 04:33	1
Cyclohexane	ND		1.0	0.18	ug/L			05/24/17 04:33	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/24/17 04:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/24/17 04:33	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/24/17 04:33	1
Methyl acetate	ND		2.5	1.3	ug/L			05/24/17 04:33	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/24/17 04:33	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/24/17 04:33	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/24/17 04:33	1
Styrene	ND		1.0	0.73	ug/L			05/24/17 04:33	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/24/17 04:33	1
Toluene	ND		1.0	0.51	ug/L			05/24/17 04:33	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/24/17 04:33	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/24/17 04:33	1
Trichloroethene	ND		1.0	0.46	ug/L			05/24/17 04:33	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/24/17 04:33	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/24/17 04:33	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/24/17 04:33	1

Client Sample ID: MW-5R 20170516

Date Collected: 05/16/17 16:25
Date Received: 05/17/17 18:00

Lab Sample ID: 480-118149-5

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*05/24/17 04:33*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/24/17 04:33*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*05/24/17 04:33*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*05/24/17 04:33*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 19:56	1
PCB-1221	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 19:56	1
PCB-1232	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 19:56	1
PCB-1242	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 19:56	1
PCB-1248	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 19:56	1
PCB-1254	ND		0.50	0.25	ug/L		05/19/17 07:25	05/19/17 19:56	1
PCB-1260	ND		0.50	0.25	ug/L		05/19/17 07:25	05/19/17 19:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*72*		*19 - 120*	*05/19/17 07:25*	*05/19/17 19:56*	*1*
DCB Decachlorobiphenyl	*64*		*19 - 120*	*05/19/17 07:25*	*05/19/17 19:56*	*1*
Tetrachloro-m-xylene	*88*		*39 - 121*	*05/19/17 07:25*	*05/19/17 19:56*	*1*
Tetrachloro-m-xylene	*80*		*39 - 121*	*05/19/17 07:25*	*05/19/17 19:56*	*1*

Client Sample ID: MW-6 20170517

Date Collected: 05/17/17 09:45
Date Received: 05/17/17 18:00

Lab Sample ID: 480-118149-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/24/17 04:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/24/17 04:58	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/24/17 04:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/24/17 04:58	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/24/17 04:58	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/24/17 04:58	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/24/17 04:58	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/24/17 04:58	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/24/17 04:58	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/24/17 04:58	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/24/17 04:58	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/24/17 04:58	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/24/17 04:58	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/24/17 04:58	1
2-Hexanone	ND		5.0	1.2	ug/L			05/24/17 04:58	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/24/17 04:58	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/24/17 04:58	1
Acetone	**3.1**	**J**	10	3.0	ug/L			05/24/17 04:58	1
Benzene	ND		1.0	0.41	ug/L			05/24/17 04:58	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/24/17 04:58	1
Bromoform	ND		1.0	0.26	ug/L			05/24/17 04:58	1
Bromomethane	ND		1.0	0.69	ug/L			05/24/17 04:58	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/24/17 04:58	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/24/17 04:58	1

Client Sample ID: MW-6 20170517

Date Collected: 05/17/17 09:45
Date Received: 05/17/17 18:00

Lab Sample ID: 480-118149-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		1.0	0.75	ug/L			05/24/17 04:58	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/24/17 04:58	1
Chloroethane	ND		1.0	0.32	ug/L			05/24/17 04:58	1
Chloroform	ND		1.0	0.34	ug/L			05/24/17 04:58	1
Chloromethane	ND		1.0	0.35	ug/L			05/24/17 04:58	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/24/17 04:58	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/24/17 04:58	1
Cyclohexane	ND		1.0	0.18	ug/L			05/24/17 04:58	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/24/17 04:58	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/24/17 04:58	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/24/17 04:58	1
Methyl acetate	ND		2.5	1.3	ug/L			05/24/17 04:58	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/24/17 04:58	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/24/17 04:58	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/24/17 04:58	1
Styrene	ND		1.0	0.73	ug/L			05/24/17 04:58	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/24/17 04:58	1
Toluene	ND		1.0	0.51	ug/L			05/24/17 04:58	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/24/17 04:58	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/24/17 04:58	1
Trichloroethene	ND		1.0	0.46	ug/L			05/24/17 04:58	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/24/17 04:58	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/24/17 04:58	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/24/17 04:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*05/24/17 04:58*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/24/17 04:58*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*05/24/17 04:58*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*05/24/17 04:58*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 20:11	1
PCB-1221	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 20:11	1
PCB-1232	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 20:11	1
PCB-1242	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 20:11	1
PCB-1248	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 20:11	1
PCB-1254	ND		0.50	0.25	ug/L		05/19/17 07:25	05/19/17 20:11	1
PCB-1260	ND		0.50	0.25	ug/L		05/19/17 07:25	05/19/17 20:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*69*		*19 - 120*	*05/19/17 07:25*	*05/19/17 20:11*	*1*
DCB Decachlorobiphenyl	*56*		*19 - 120*	*05/19/17 07:25*	*05/19/17 20:11*	*1*
Tetrachloro-m-xylene	*93*		*39 - 121*	*05/19/17 07:25*	*05/19/17 20:11*	*1*
Tetrachloro-m-xylene	*77*		*39 - 121*	*05/19/17 07:25*	*05/19/17 20:11*	*1*

Client Sample ID: FB-01-20170517

Date Collected: 05/17/17 10:15
Date Received: 05/17/17 18:00

Lab Sample ID: 480-118149-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/24/17 05:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/24/17 05:23	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/24/17 05:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/24/17 05:23	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/24/17 05:23	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/24/17 05:23	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/24/17 05:23	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/24/17 05:23	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/24/17 05:23	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/24/17 05:23	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/24/17 05:23	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/24/17 05:23	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/24/17 05:23	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/24/17 05:23	1
2-Hexanone	ND		5.0	1.2	ug/L			05/24/17 05:23	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/24/17 05:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/24/17 05:23	1
Acetone	**4.1**	**J**	10	3.0	ug/L			05/24/17 05:23	1
Benzene	ND		1.0	0.41	ug/L			05/24/17 05:23	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/24/17 05:23	1
Bromoform	ND		1.0	0.26	ug/L			05/24/17 05:23	1
Bromomethane	ND		1.0	0.69	ug/L			05/24/17 05:23	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/24/17 05:23	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/24/17 05:23	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/24/17 05:23	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/24/17 05:23	1
Chloroethane	ND		1.0	0.32	ug/L			05/24/17 05:23	1
Chloroform	ND		1.0	0.34	ug/L			05/24/17 05:23	1
Chloromethane	ND		1.0	0.35	ug/L			05/24/17 05:23	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/24/17 05:23	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/24/17 05:23	1
Cyclohexane	ND		1.0	0.18	ug/L			05/24/17 05:23	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/24/17 05:23	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/24/17 05:23	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/24/17 05:23	1
Methyl acetate	ND		2.5	1.3	ug/L			05/24/17 05:23	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/24/17 05:23	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/24/17 05:23	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/24/17 05:23	1
Styrene	ND		1.0	0.73	ug/L			05/24/17 05:23	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/24/17 05:23	1
Toluene	ND		1.0	0.51	ug/L			05/24/17 05:23	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/24/17 05:23	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/24/17 05:23	1
Trichloroethene	ND		1.0	0.46	ug/L			05/24/17 05:23	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/24/17 05:23	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/24/17 05:23	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/24/17 05:23	1

Client Sample ID: FB-01-20170517

Date Collected: 05/17/17 10:15
Date Received: 05/17/17 18:00

Lab Sample ID: 480-118149-7

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*05/24/17 05:23*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*05/24/17 05:23*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*05/24/17 05:23*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*05/24/17 05:23*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 20:26	1
PCB-1221	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 20:26	1
PCB-1232	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 20:26	1
PCB-1242	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 20:26	1
PCB-1248	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 20:26	1
PCB-1254	ND		0.50	0.25	ug/L		05/19/17 07:25	05/19/17 20:26	1
PCB-1260	ND		0.50	0.25	ug/L		05/19/17 07:25	05/19/17 20:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*55*		*19 - 120*	*05/19/17 07:25*	*05/19/17 20:26*	*1*
DCB Decachlorobiphenyl	*49*		*19 - 120*	*05/19/17 07:25*	*05/19/17 20:26*	*1*
Tetrachloro-m-xylene	*92*		*39 - 121*	*05/19/17 07:25*	*05/19/17 20:26*	*1*
Tetrachloro-m-xylene	*81*		*39 - 121*	*05/19/17 07:25*	*05/19/17 20:26*	*1*

Client Sample ID: FD-01-20170515

Date Collected: 05/15/17 00:00
Date Received: 05/17/17 18:00

Lab Sample ID: 480-118149-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/24/17 05:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/24/17 05:49	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/24/17 05:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/24/17 05:49	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/24/17 05:49	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/24/17 05:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/24/17 05:49	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/24/17 05:49	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/24/17 05:49	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/24/17 05:49	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/24/17 05:49	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/24/17 05:49	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/24/17 05:49	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/24/17 05:49	1
2-Hexanone	ND		5.0	1.2	ug/L			05/24/17 05:49	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/24/17 05:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/24/17 05:49	1
Acetone	ND		10	3.0	ug/L			05/24/17 05:49	1
Benzene	ND		1.0	0.41	ug/L			05/24/17 05:49	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/24/17 05:49	1
Bromoform	ND		1.0	0.26	ug/L			05/24/17 05:49	1
Bromomethane	ND		1.0	0.69	ug/L			05/24/17 05:49	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/24/17 05:49	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/24/17 05:49	1

Client Sample ID: FD-01-20170515

Date Collected: 05/15/17 00:00
Date Received: 05/17/17 18:00

Lab Sample ID: 480-118149-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		1.0	0.75	ug/L			05/24/17 05:49	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/24/17 05:49	1
Chloroethane	ND		1.0	0.32	ug/L			05/24/17 05:49	1
Chloroform	ND		1.0	0.34	ug/L			05/24/17 05:49	1
Chloromethane	ND		1.0	0.35	ug/L			05/24/17 05:49	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/24/17 05:49	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/24/17 05:49	1
Cyclohexane	ND		1.0	0.18	ug/L			05/24/17 05:49	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/24/17 05:49	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/24/17 05:49	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/24/17 05:49	1
Methyl acetate	ND		2.5	1.3	ug/L			05/24/17 05:49	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/24/17 05:49	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/24/17 05:49	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/24/17 05:49	1
Styrene	ND		1.0	0.73	ug/L			05/24/17 05:49	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/24/17 05:49	1
Toluene	ND		1.0	0.51	ug/L			05/24/17 05:49	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/24/17 05:49	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/24/17 05:49	1
Trichloroethene	ND		1.0	0.46	ug/L			05/24/17 05:49	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/24/17 05:49	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/24/17 05:49	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/24/17 05:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*05/24/17 05:49*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/24/17 05:49*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*05/24/17 05:49*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*05/24/17 05:49*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 20:42	1
PCB-1221	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 20:42	1
PCB-1232	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 20:42	1
PCB-1242	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 20:42	1
PCB-1248	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 20:42	1
PCB-1254	ND		0.50	0.25	ug/L		05/19/17 07:25	05/19/17 20:42	1
PCB-1260	ND		0.50	0.25	ug/L		05/19/17 07:25	05/19/17 20:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*84*		*19 - 120*	*05/19/17 07:25*	*05/19/17 20:42*	*1*
DCB Decachlorobiphenyl	*73*		*19 - 120*	*05/19/17 07:25*	*05/19/17 20:42*	*1*
Tetrachloro-m-xylene	*97*		*39 - 121*	*05/19/17 07:25*	*05/19/17 20:42*	*1*
Tetrachloro-m-xylene	*89*		*39 - 121*	*05/19/17 07:25*	*05/19/17 20:42*	*1*

Client Sample ID: TRIP BLANK

Date Collected: 05/05/17 00:00
Date Received: 05/17/17 18:00

Lab Sample ID: 480-118149-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/18/17 07:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/18/17 07:16	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/18/17 07:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/18/17 07:16	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/18/17 07:16	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/18/17 07:16	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/18/17 07:16	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/18/17 07:16	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/18/17 07:16	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/18/17 07:16	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/18/17 07:16	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/18/17 07:16	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/18/17 07:16	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/18/17 07:16	1
2-Hexanone	ND		5.0	1.2	ug/L			05/18/17 07:16	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/18/17 07:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/18/17 07:16	1
Acetone	ND		10	3.0	ug/L			05/18/17 07:16	1
Benzene	ND		1.0	0.41	ug/L			05/18/17 07:16	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/18/17 07:16	1
Bromoform	ND		1.0	0.26	ug/L			05/18/17 07:16	1
Bromomethane	ND		1.0	0.69	ug/L			05/18/17 07:16	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/18/17 07:16	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/18/17 07:16	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/18/17 07:16	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/18/17 07:16	1
Chloroethane	ND		1.0	0.32	ug/L			05/18/17 07:16	1
Chloroform	ND		1.0	0.34	ug/L			05/18/17 07:16	1
Chloromethane	ND		1.0	0.35	ug/L			05/18/17 07:16	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/18/17 07:16	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/18/17 07:16	1
Cyclohexane	ND		1.0	0.18	ug/L			05/18/17 07:16	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/18/17 07:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/18/17 07:16	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/18/17 07:16	1
Methyl acetate	ND		2.5	1.3	ug/L			05/18/17 07:16	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/18/17 07:16	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/18/17 07:16	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/18/17 07:16	1
Styrene	ND		1.0	0.73	ug/L			05/18/17 07:16	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/18/17 07:16	1
Toluene	ND		1.0	0.51	ug/L			05/18/17 07:16	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/18/17 07:16	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/18/17 07:16	1
Trichloroethene	ND		1.0	0.46	ug/L			05/18/17 07:16	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/18/17 07:16	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/18/17 07:16	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/18/17 07:16	1

Client: ARCADIS U.S. Inc
Project/Site: GE Tonawanda GW/IDW

TestAmerica Job ID: 480-118149-1

Client Sample ID: TRIP BLANK
Date Collected: 05/05/17 00:00
Date Received: 05/17/17 18:00

Lab Sample ID: 480-118149-9
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		05/18/17 07:16	1
Toluene-d8 (Surr)	98		80 - 120		05/18/17 07:16	1
4-Bromofluorobenzene (Surr)	96		73 - 120		05/18/17 07:16	1
Dibromofluoromethane (Surr)	99		75 - 123		05/18/17 07:16	1

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: GE Tonawanda GW/IDW

TestAmerica Job ID: 480-118149-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(80-120)	(73-120)	(75-123)
480-118149-1	MW-2R 20170515	104	100	102	103
480-118149-2	MW-4 20170515	103	100	102	101
480-118149-3	MW-8 20170516	102	99	102	103
480-118149-3 MS	MW-8 20170516	103	99	105	104
480-118149-3 MSD	MW-8 20170516	102	100	104	105
480-118149-4	MW-7 20170516	101	100	103	102
480-118149-5	MW-5R 20170516	102	99	102	103
480-118149-6	MW-6 20170517	101	99	103	101
480-118149-7	FB-01-20170517	103	100	103	102
480-118149-8	FD-01-20170515	102	98	101	100
480-118149-9	TRIP BLANK	105	98	96	99
LCS 480-357930/4	Lab Control Sample	102	100	99	96
LCS 480-358793/5	Lab Control Sample	100	100	104	103
MB 480-357930/6	Method Blank	107	101	102	99
MB 480-358793/7	Method Blank	101	100	103	101

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCB1	DCB2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(19-120)	(19-120)	(39-121)	(39-121)
480-118149-1	MW-2R 20170515	98	88	96	89
480-118149-2	MW-4 20170515	66	56	81	70
480-118149-3	MW-8 20170516	53	47	86	74
480-118149-3 MS	MW-8 20170516	50	51	92	72
480-118149-3 MSD	MW-8 20170516	54	54	90	70
480-118149-4	MW-7 20170516	65	56	79	73
480-118149-5	MW-5R 20170516	72	64	88	80
480-118149-6	MW-6 20170517	69	56	93	77
480-118149-7	FB-01-20170517	55	49	92	81
480-118149-8	FD-01-20170515	84	73	97	89
LCS 480-358167/2-A	Lab Control Sample	55	55	97	78
MB 480-358167/1-A	Method Blank	62	57	84	81

Surrogate Legend

DCB = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

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

Lab Sample ID: MB 480-357930/6
Matrix: Water
Analysis Batch: 357930

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/17/17 23:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/17/17 23:23	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/17/17 23:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/17/17 23:23	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/17/17 23:23	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/17/17 23:23	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/17/17 23:23	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/17/17 23:23	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/17/17 23:23	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/17/17 23:23	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/17/17 23:23	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/17/17 23:23	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/17/17 23:23	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/17/17 23:23	1
2-Hexanone	ND		5.0	1.2	ug/L			05/17/17 23:23	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/17/17 23:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/17/17 23:23	1
Acetone	ND		10	3.0	ug/L			05/17/17 23:23	1
Benzene	ND		1.0	0.41	ug/L			05/17/17 23:23	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/17/17 23:23	1
Bromoform	ND		1.0	0.26	ug/L			05/17/17 23:23	1
Bromomethane	ND		1.0	0.69	ug/L			05/17/17 23:23	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/17/17 23:23	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/17/17 23:23	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/17/17 23:23	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/17/17 23:23	1
Chloroethane	ND		1.0	0.32	ug/L			05/17/17 23:23	1
Chloroform	ND		1.0	0.34	ug/L			05/17/17 23:23	1
Chloromethane	ND		1.0	0.35	ug/L			05/17/17 23:23	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/17/17 23:23	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/17/17 23:23	1
Cyclohexane	ND		1.0	0.18	ug/L			05/17/17 23:23	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/17/17 23:23	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/17/17 23:23	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/17/17 23:23	1
Methyl acetate	ND		2.5	1.3	ug/L			05/17/17 23:23	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/17/17 23:23	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/17/17 23:23	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/17/17 23:23	1
Styrene	ND		1.0	0.73	ug/L			05/17/17 23:23	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/17/17 23:23	1
Toluene	ND		1.0	0.51	ug/L			05/17/17 23:23	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/17/17 23:23	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/17/17 23:23	1
Trichloroethene	ND		1.0	0.46	ug/L			05/17/17 23:23	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/17/17 23:23	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/17/17 23:23	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/17/17 23:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*05/17/17 23:23*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*05/17/17 23:23*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*05/17/17 23:23*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*05/17/17 23:23*	*1*

Lab Sample ID: LCS 480-357930/4
Matrix: Water
Analysis Batch: 357930

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	27.7		ug/L		111	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.8		ug/L		99	76 - 120
1,1,2-Trichloroethane	25.0	25.7		ug/L		103	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	26.6		ug/L		106	61 - 148
1,1-Dichloroethane	25.0	24.8		ug/L		99	77 - 120
1,1-Dichloroethene	25.0	22.3		ug/L		89	66 - 127
1,2,4-Trichlorobenzene	25.0	23.5		ug/L		94	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	27.2		ug/L		109	56 - 134
1,2-Dibromoethane	25.0	25.4		ug/L		102	77 - 120
1,2-Dichlorobenzene	25.0	24.8		ug/L		99	80 - 124
1,2-Dichloroethane	25.0	25.1		ug/L		101	75 - 120
1,2-Dichloropropane	25.0	24.8		ug/L		99	76 - 120
1,3-Dichlorobenzene	25.0	25.3		ug/L		101	77 - 120
1,4-Dichlorobenzene	25.0	24.4		ug/L		98	80 - 120
2-Hexanone	125	133		ug/L		106	65 - 127
2-Butanone (MEK)	125	129		ug/L		103	57 - 140
4-Methyl-2-pentanone (MIBK)	125	128		ug/L		102	71 - 125
Acetone	125	148		ug/L		119	56 - 142
Benzene	25.0	25.3		ug/L		101	71 - 124
Bromodichloromethane	25.0	25.1		ug/L		100	80 - 122
Bromoform	25.0	23.2		ug/L		93	61 - 132
Bromomethane	25.0	24.0		ug/L		96	55 - 144
Carbon disulfide	25.0	24.9		ug/L		100	59 - 134
Carbon tetrachloride	25.0	32.0		ug/L		128	72 - 134
Chlorobenzene	25.0	24.5		ug/L		98	80 - 120
Dibromochloromethane	25.0	27.0		ug/L		108	75 - 125
Chloroethane	25.0	22.9		ug/L		92	69 - 136
Chloroform	25.0	23.9		ug/L		96	73 - 127
Chloromethane	25.0	19.7		ug/L		79	68 - 124
cis-1,2-Dichloroethene	25.0	24.4		ug/L		98	74 - 124
cis-1,3-Dichloropropene	25.0	25.1		ug/L		100	74 - 124
Cyclohexane	25.0	26.3		ug/L		105	59 - 135
Dichlorodifluoromethane	25.0	15.1		ug/L		60	59 - 135
Ethylbenzene	25.0	25.2		ug/L		101	77 - 123
Isopropylbenzene	25.0	25.4		ug/L		101	77 - 122
Methyl acetate	125	124		ug/L		99	74 - 133
Methyl tert-butyl ether	25.0	24.9		ug/L		100	77 - 120
Methylcyclohexane	25.0	26.6		ug/L		106	68 - 134
Methylene Chloride	25.0	23.9		ug/L		96	75 - 124
Styrene	25.0	25.2		ug/L		101	80 - 120
Tetrachloroethene	25.0	27.3		ug/L		109	74 - 122
Toluene	25.0	24.9		ug/L		100	80 - 122
trans-1,2-Dichloroethene	25.0	25.1		ug/L		101	73 - 127

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

Lab Sample ID: LCS 480-357930/4
Matrix: Water
Analysis Batch: 357930

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	25.0	25.2		ug/L		101	74 - 123
Trichlorofluoromethane	25.0	28.2		ug/L		113	62 - 150
Vinyl chloride	25.0	21.5		ug/L		86	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*
Dibromofluoromethane (Surr)	*96*		*75 - 123*

Lab Sample ID: MB 480-358793/7
Matrix: Water
Analysis Batch: 358793

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/24/17 00:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/24/17 00:06	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/24/17 00:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/24/17 00:06	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/24/17 00:06	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/24/17 00:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/24/17 00:06	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/24/17 00:06	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/24/17 00:06	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/24/17 00:06	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/24/17 00:06	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/24/17 00:06	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/24/17 00:06	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/24/17 00:06	1
2-Hexanone	ND		5.0	1.2	ug/L			05/24/17 00:06	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/24/17 00:06	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/24/17 00:06	1
Acetone	ND		10	3.0	ug/L			05/24/17 00:06	1
Benzene	ND		1.0	0.41	ug/L			05/24/17 00:06	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/24/17 00:06	1
Bromoform	ND		1.0	0.26	ug/L			05/24/17 00:06	1
Bromomethane	ND		1.0	0.69	ug/L			05/24/17 00:06	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/24/17 00:06	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/24/17 00:06	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/24/17 00:06	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/24/17 00:06	1
Chloroethane	ND		1.0	0.32	ug/L			05/24/17 00:06	1
Chloroform	ND		1.0	0.34	ug/L			05/24/17 00:06	1
Chloromethane	ND		1.0	0.35	ug/L			05/24/17 00:06	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/24/17 00:06	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/24/17 00:06	1
Cyclohexane	ND		1.0	0.18	ug/L			05/24/17 00:06	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/24/17 00:06	1

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

Lab Sample ID: MB 480-358793/7
Matrix: Water
Analysis Batch: 358793

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.74	ug/L			05/24/17 00:06	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/24/17 00:06	1
Methyl acetate	ND		2.5	1.3	ug/L			05/24/17 00:06	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/24/17 00:06	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/24/17 00:06	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/24/17 00:06	1
Styrene	ND		1.0	0.73	ug/L			05/24/17 00:06	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/24/17 00:06	1
Toluene	ND		1.0	0.51	ug/L			05/24/17 00:06	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/24/17 00:06	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/24/17 00:06	1
Trichloroethene	ND		1.0	0.46	ug/L			05/24/17 00:06	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/24/17 00:06	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/24/17 00:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/24/17 00:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*05/24/17 00:06*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*05/24/17 00:06*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*05/24/17 00:06*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*05/24/17 00:06*	*1*

Lab Sample ID: LCS 480-358793/5
Matrix: Water
Analysis Batch: 358793

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	24.7		ug/L		99	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.8		ug/L		95	76 - 120
1,1,2-Trichloroethane	25.0	24.5		ug/L		98	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.8		ug/L		99	61 - 148
1,1-Dichloroethane	25.0	23.4		ug/L		94	77 - 120
1,1-Dichloroethene	25.0	24.1		ug/L		96	66 - 127
1,2,4-Trichlorobenzene	25.0	24.4		ug/L		98	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	23.7		ug/L		95	56 - 134
1,2-Dibromoethane	25.0	24.8		ug/L		99	77 - 120
1,2-Dichlorobenzene	25.0	24.2		ug/L		97	80 - 124
1,2-Dichloroethane	25.0	24.4		ug/L		98	75 - 120
1,2-Dichloropropane	25.0	24.3		ug/L		97	76 - 120
1,3-Dichlorobenzene	25.0	24.3		ug/L		97	77 - 120
1,4-Dichlorobenzene	25.0	24.2		ug/L		97	80 - 120
2-Hexanone	125	119		ug/L		95	65 - 127
2-Butanone (MEK)	125	117		ug/L		94	57 - 140
4-Methyl-2-pentanone (MIBK)	125	120		ug/L		96	71 - 125
Acetone	125	114		ug/L		92	56 - 142
Benzene	25.0	23.9		ug/L		96	71 - 124
Bromodichloromethane	25.0	25.2		ug/L		101	80 - 122

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

Lab Sample ID: LCS 480-358793/5
Matrix: Water
Analysis Batch: 358793

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromoform	25.0	26.3		ug/L		105	61 - 132
Bromomethane	25.0	21.8		ug/L		87	55 - 144
Carbon disulfide	25.0	23.9		ug/L		95	59 - 134
Carbon tetrachloride	25.0	24.6		ug/L		99	72 - 134
Chlorobenzene	25.0	24.4		ug/L		98	80 - 120
Dibromochloromethane	25.0	25.6		ug/L		102	75 - 125
Chloroethane	25.0	22.7		ug/L		91	69 - 136
Chloroform	25.0	23.3		ug/L		93	73 - 127
Chloromethane	25.0	22.5		ug/L		90	68 - 124
cis-1,2-Dichloroethene	25.0	23.1		ug/L		92	74 - 124
cis-1,3-Dichloropropene	25.0	24.8		ug/L		99	74 - 124
Cyclohexane	25.0	23.5		ug/L		94	59 - 135
Dichlorodifluoromethane	25.0	25.8		ug/L		103	59 - 135
Ethylbenzene	25.0	24.0		ug/L		96	77 - 123
Isopropylbenzene	25.0	23.7		ug/L		95	77 - 122
Methyl acetate	125	117		ug/L		94	74 - 133
Methyl tert-butyl ether	25.0	24.1		ug/L		96	77 - 120
Methylcyclohexane	25.0	24.2		ug/L		97	68 - 134
Methylene Chloride	25.0	25.7		ug/L		103	75 - 124
Styrene	25.0	25.1		ug/L		100	80 - 120
Tetrachloroethene	25.0	23.9		ug/L		96	74 - 122
Toluene	25.0	24.3		ug/L		97	80 - 122
trans-1,2-Dichloroethene	25.0	22.5		ug/L		90	73 - 127
Trichloroethene	25.0	24.2		ug/L		97	74 - 123
Trichlorofluoromethane	25.0	25.7		ug/L		103	62 - 150
Vinyl chloride	25.0	24.3		ug/L		97	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*
Dibromofluoromethane (Surr)	*103*		*75 - 123*

Lab Sample ID: 480-118149-3 MS
Matrix: Water
Analysis Batch: 358793

Client Sample ID: MW-8 20170516
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		25.0	27.6		ug/L		110	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	23.2		ug/L		93	76 - 120
1,1,2-Trichloroethane	ND		25.0	24.2		ug/L		97	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	25.7		ug/L		103	61 - 148
1,1-Dichloroethane	ND		25.0	25.3		ug/L		101	77 - 120
1,1-Dichloroethene	ND		25.0	26.5		ug/L		106	66 - 127
1,2,4-Trichlorobenzene	ND		25.0	25.0		ug/L		100	79 - 122
1,2-Dibromo-3-Chloropropane	ND		25.0	21.6		ug/L		87	56 - 134
1,2-Dibromoethane	ND		25.0	24.7		ug/L		99	77 - 120

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

Lab Sample ID: 480-118149-3 MS
Matrix: Water
Analysis Batch: 358793

Client Sample ID: MW-8 20170516
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichlorobenzene	ND		25.0	24.5		ug/L		98	80 - 124
1,2-Dichloroethane	ND		25.0	25.7		ug/L		103	75 - 120
1,2-Dichloropropane	ND		25.0	25.6		ug/L		102	76 - 120
1,3-Dichlorobenzene	ND		25.0	25.0		ug/L		100	77 - 120
1,4-Dichlorobenzene	ND		25.0	24.7		ug/L		99	78 - 124
2-Hexanone	ND		125	112		ug/L		90	65 - 127
2-Butanone (MEK)	ND		125	113		ug/L		90	57 - 140
4-Methyl-2-pentanone (MIBK)	ND		125	114		ug/L		91	71 - 125
Acetone	ND		125	115		ug/L		92	56 - 142
Benzene	ND		25.0	25.3		ug/L		101	71 - 124
Bromodichloromethane	ND		25.0	26.2		ug/L		105	80 - 122
Bromoform	ND		25.0	26.3		ug/L		105	61 - 132
Bromomethane	ND		25.0	24.8		ug/L		99	55 - 144
Carbon disulfide	ND		25.0	26.0		ug/L		104	59 - 134
Carbon tetrachloride	ND		25.0	28.1		ug/L		112	72 - 134
Chlorobenzene	ND		25.0	25.5		ug/L		102	80 - 120
Dibromochloromethane	ND		25.0	25.6		ug/L		102	75 - 125
Chloroethane	ND		25.0	25.3		ug/L		101	69 - 136
Chloroform	ND		25.0	24.8		ug/L		99	73 - 127
Chloromethane	ND		25.0	24.5		ug/L		98	68 - 124
cis-1,2-Dichloroethene	ND		25.0	24.4		ug/L		98	74 - 124
cis-1,3-Dichloropropene	ND		25.0	25.1		ug/L		100	74 - 124
Cyclohexane	ND		25.0	24.3		ug/L		97	59 - 135
Dichlorodifluoromethane	ND		25.0	26.6		ug/L		106	59 - 135
Ethylbenzene	ND		25.0	25.6		ug/L		103	77 - 123
Isopropylbenzene	ND		25.0	25.0		ug/L		100	77 - 122
Methyl acetate	ND		125	111		ug/L		89	74 - 133
Methyl tert-butyl ether	ND		25.0	24.6		ug/L		98	77 - 120
Methylcyclohexane	ND		25.0	24.8		ug/L		99	68 - 134
Methylene Chloride	ND		25.0	25.9		ug/L		103	75 - 124
Styrene	ND		25.0	25.9		ug/L		103	80 - 120
Tetrachloroethene	ND		25.0	25.9		ug/L		104	74 - 122
Toluene	ND		25.0	25.3		ug/L		101	80 - 122
trans-1,2-Dichloroethene	ND		25.0	24.6		ug/L		98	73 - 127
Trichloroethene	ND		25.0	25.9		ug/L		104	74 - 123
Trichlorofluoromethane	ND		25.0	27.9		ug/L		112	62 - 150
Vinyl chloride	ND		25.0	26.2		ug/L		105	65 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*
Dibromofluoromethane (Surr)	*104*		*75 - 123*

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

Lab Sample ID: 480-118149-3 MSD
Matrix: Water
Analysis Batch: 358793

Client Sample ID: MW-8 20170516
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		25.0	27.1		ug/L		109	73 - 126	2	15
1,1,2,2-Tetrachloroethane	ND		25.0	22.3		ug/L		89	76 - 120	4	15
1,1,2-Trichloroethane	ND		25.0	23.5		ug/L		94	76 - 122	3	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	24.5		ug/L		98	61 - 148	5	20
1,1-Dichloroethane	ND		25.0	24.8		ug/L		99	77 - 120	2	20
1,1-Dichloroethene	ND		25.0	26.2		ug/L		105	66 - 127	1	16
1,2,4-Trichlorobenzene	ND		25.0	24.0		ug/L		96	79 - 122	4	20
1,2-Dibromo-3-Chloropropane	ND		25.0	21.1		ug/L		84	56 - 134	3	15
1,2-Dibromoethane	ND		25.0	23.9		ug/L		96	77 - 120	3	15
1,2-Dichlorobenzene	ND		25.0	24.0		ug/L		96	80 - 124	2	20
1,2-Dichloroethane	ND		25.0	25.1		ug/L		100	75 - 120	3	20
1,2-Dichloropropane	ND		25.0	25.1		ug/L		101	76 - 120	2	20
1,3-Dichlorobenzene	ND		25.0	24.3		ug/L		97	77 - 120	3	20
1,4-Dichlorobenzene	ND		25.0	24.0		ug/L		96	78 - 124	3	20
2-Hexanone	ND		125	106		ug/L		85	65 - 127	6	15
2-Butanone (MEK)	ND		125	109		ug/L		87	57 - 140	4	20
4-Methyl-2-pentanone (MIBK)	ND		125	109		ug/L		87	71 - 125	5	35
Acetone	ND		125	108		ug/L		86	56 - 142	6	15
Benzene	ND		25.0	25.1		ug/L		100	71 - 124	1	13
Bromodichloromethane	ND		25.0	26.0		ug/L		104	80 - 122	1	15
Bromoform	ND		25.0	24.8		ug/L		99	61 - 132	6	15
Bromomethane	ND		25.0	25.8		ug/L		103	55 - 144	4	15
Carbon disulfide	ND		25.0	26.2		ug/L		105	59 - 134	1	15
Carbon tetrachloride	ND		25.0	27.5		ug/L		110	72 - 134	2	15
Chlorobenzene	ND		25.0	24.6		ug/L		98	80 - 120	4	25
Dibromochloromethane	ND		25.0	24.8		ug/L		99	75 - 125	3	15
Chloroethane	ND		25.0	25.7		ug/L		103	69 - 136	2	15
Chloroform	ND		25.0	24.4		ug/L		98	73 - 127	2	20
Chloromethane	ND		25.0	24.5		ug/L		98	68 - 124	0	15
cis-1,2-Dichloroethene	ND		25.0	24.1		ug/L		96	74 - 124	1	15
cis-1,3-Dichloropropene	ND		25.0	24.7		ug/L		99	74 - 124	2	15
Cyclohexane	ND		25.0	23.7		ug/L		95	59 - 135	3	20
Dichlorodifluoromethane	ND		25.0	25.3		ug/L		101	59 - 135	5	20
Ethylbenzene	ND		25.0	24.8		ug/L		99	77 - 123	3	15
Isopropylbenzene	ND		25.0	24.5		ug/L		98	77 - 122	2	20
Methyl acetate	ND		125	107		ug/L		86	74 - 133	3	20
Methyl tert-butyl ether	ND		25.0	24.2		ug/L		97	77 - 120	2	37
Methylcyclohexane	ND		25.0	24.1		ug/L		96	68 - 134	3	20
Methylene Chloride	ND		25.0	25.4		ug/L		102	75 - 124	2	15
Styrene	ND		25.0	24.9		ug/L		100	80 - 120	4	20
Tetrachloroethene	ND		25.0	25.2		ug/L		101	74 - 122	3	20
Toluene	ND		25.0	25.1		ug/L		100	80 - 122	1	15
trans-1,2-Dichloroethene	ND		25.0	23.9		ug/L		96	73 - 127	3	20
Trichloroethene	ND		25.0	25.6		ug/L		102	74 - 123	1	16
Trichlorofluoromethane	ND		25.0	27.6		ug/L		110	62 - 150	1	20
Vinyl chloride	ND		25.0	26.5		ug/L		106	65 - 133	1	15

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

Lab Sample ID: 480-118149-3 MSD
Matrix: Water
Analysis Batch: 358793

Client Sample ID: MW-8 20170516
Prep Type: Total/NA

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*
Dibromofluoromethane (Surr)	*105*		*75 - 123*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-358167/1-A
Matrix: Water
Analysis Batch: 358279

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 358167

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 17:53	1
PCB-1221	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 17:53	1
PCB-1232	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 17:53	1
PCB-1242	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 17:53	1
PCB-1248	ND		0.50	0.18	ug/L		05/19/17 07:25	05/19/17 17:53	1
PCB-1254	ND		0.50	0.25	ug/L		05/19/17 07:25	05/19/17 17:53	1
PCB-1260	ND		0.50	0.25	ug/L		05/19/17 07:25	05/19/17 17:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*62*		*19 - 120*	*05/19/17 07:25*	*05/19/17 17:53*	*1*
DCB Decachlorobiphenyl	*57*		*19 - 120*	*05/19/17 07:25*	*05/19/17 17:53*	*1*
Tetrachloro-m-xylene	*84*		*39 - 121*	*05/19/17 07:25*	*05/19/17 17:53*	*1*
Tetrachloro-m-xylene	*81*		*39 - 121*	*05/19/17 07:25*	*05/19/17 17:53*	*1*

Lab Sample ID: LCS 480-358167/2-A
Matrix: Water
Analysis Batch: 358279

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 358167

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			4.00	4.10		ug/L		103	62 - 130		
PCB-1260			4.00	4.09		ug/L		102	56 - 123		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*55*		*19 - 120*
DCB Decachlorobiphenyl	*55*		*19 - 120*
Tetrachloro-m-xylene	*97*		*39 - 121*
Tetrachloro-m-xylene	*78*		*39 - 121*

Lab Sample ID: 480-118149-3 MS
Matrix: Water
Analysis Batch: 358279

Client Sample ID: MW-8 20170516
Prep Type: Total/NA
Prep Batch: 358167

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016	ND		4.00	3.85		ug/L		96	28 - 150		
PCB-1260	ND		4.00	2.20		ug/L		55	25 - 131		

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 480-118149-3 MS
Matrix: Water
Analysis Batch: 358279

Client Sample ID: MW-8 20170516
Prep Type: Total/NA
Prep Batch: 358167

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*50*		*19 - 120*
DCB Decachlorobiphenyl	*51*		*19 - 120*
Tetrachloro-m-xylene	*92*		*39 - 121*
Tetrachloro-m-xylene	*72*		*39 - 121*

Lab Sample ID: 480-118149-3 MSD
Matrix: Water
Analysis Batch: 358279

Client Sample ID: MW-8 20170516
Prep Type: Total/NA
Prep Batch: 358167

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		4.00	3.77		ug/L		94	28 - 150	2	50
PCB-1260	ND		4.00	2.66		ug/L		67	25 - 131	19	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*54*		*19 - 120*
DCB Decachlorobiphenyl	*54*		*19 - 120*
Tetrachloro-m-xylene	*90*		*39 - 121*
Tetrachloro-m-xylene	*70*		*39 - 121*

Qualifiers

GC/MS 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.

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
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

GC/MS VOA

Analysis Batch: 357930

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-118149-9	TRIP BLANK	Total/NA	Water	8260C	
MB 480-357930/6	Method Blank	Total/NA	Water	8260C	
LCS 480-357930/4	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 358793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-118149-1	MW-2R 20170515	Total/NA	Water	8260C	
480-118149-2	MW-4 20170515	Total/NA	Water	8260C	
480-118149-3	MW-8 20170516	Total/NA	Water	8260C	
480-118149-4	MW-7 20170516	Total/NA	Water	8260C	
480-118149-5	MW-5R 20170516	Total/NA	Water	8260C	
480-118149-6	MW-6 20170517	Total/NA	Water	8260C	
480-118149-7	FB-01-20170517	Total/NA	Water	8260C	
480-118149-8	FD-01-20170515	Total/NA	Water	8260C	
MB 480-358793/7	Method Blank	Total/NA	Water	8260C	
LCS 480-358793/5	Lab Control Sample	Total/NA	Water	8260C	
480-118149-3 MS	MW-8 20170516	Total/NA	Water	8260C	
480-118149-3 MSD	MW-8 20170516	Total/NA	Water	8260C	

GC Semi VOA

Prep Batch: 358167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-118149-1	MW-2R 20170515	Total/NA	Water	3510C	
480-118149-2	MW-4 20170515	Total/NA	Water	3510C	
480-118149-3	MW-8 20170516	Total/NA	Water	3510C	
480-118149-4	MW-7 20170516	Total/NA	Water	3510C	
480-118149-5	MW-5R 20170516	Total/NA	Water	3510C	
480-118149-6	MW-6 20170517	Total/NA	Water	3510C	
480-118149-7	FB-01-20170517	Total/NA	Water	3510C	
480-118149-8	FD-01-20170515	Total/NA	Water	3510C	
MB 480-358167/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-358167/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-118149-3 MS	MW-8 20170516	Total/NA	Water	3510C	
480-118149-3 MSD	MW-8 20170516	Total/NA	Water	3510C	

Analysis Batch: 358279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-118149-1	MW-2R 20170515	Total/NA	Water	8082A	358167
480-118149-2	MW-4 20170515	Total/NA	Water	8082A	358167
480-118149-3	MW-8 20170516	Total/NA	Water	8082A	358167
480-118149-4	MW-7 20170516	Total/NA	Water	8082A	358167
480-118149-5	MW-5R 20170516	Total/NA	Water	8082A	358167
480-118149-6	MW-6 20170517	Total/NA	Water	8082A	358167
480-118149-7	FB-01-20170517	Total/NA	Water	8082A	358167
480-118149-8	FD-01-20170515	Total/NA	Water	8082A	358167
MB 480-358167/1-A	Method Blank	Total/NA	Water	8082A	358167
LCS 480-358167/2-A	Lab Control Sample	Total/NA	Water	8082A	358167
480-118149-3 MS	MW-8 20170516	Total/NA	Water	8082A	358167
480-118149-3 MSD	MW-8 20170516	Total/NA	Water	8082A	358167

Client Sample ID: MW-2R 20170515
Lab Sample ID: 480-118149-1
Date Collected: 05/15/17 14:30
Matrix: Water
Date Received: 05/17/17 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	358793	05/24/17 02:51	RJF	TAL BUF
Total/NA	Prep	3510C			358167	05/19/17 07:25	CPH	TAL BUF
Total/NA	Analysis	8082A		1	358279	05/19/17 18:54	JMO	TAL BUF

Client Sample ID: MW-4 20170515
Lab Sample ID: 480-118149-2
Date Collected: 05/15/17 16:00
Matrix: Water
Date Received: 05/17/17 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	358793	05/24/17 03:17	RJF	TAL BUF
Total/NA	Prep	3510C			358167	05/19/17 07:25	CPH	TAL BUF
Total/NA	Analysis	8082A		1	358279	05/19/17 19:10	JMO	TAL BUF

Client Sample ID: MW-8 20170516
Lab Sample ID: 480-118149-3
Date Collected: 05/16/17 08:45
Matrix: Water
Date Received: 05/17/17 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	358793	05/24/17 03:42	RJF	TAL BUF
Total/NA	Prep	3510C			358167	05/19/17 07:25	CPH	TAL BUF
Total/NA	Analysis	8082A		1	358279	05/19/17 19:25	JMO	TAL BUF

Client Sample ID: MW-7 20170516
Lab Sample ID: 480-118149-4
Date Collected: 05/16/17 13:45
Matrix: Water
Date Received: 05/17/17 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	358793	05/24/17 04:07	RJF	TAL BUF
Total/NA	Prep	3510C			358167	05/19/17 07:25	CPH	TAL BUF
Total/NA	Analysis	8082A		1	358279	05/19/17 19:40	JMO	TAL BUF

Client Sample ID: MW-5R 20170516
Lab Sample ID: 480-118149-5
Date Collected: 05/16/17 16:25
Matrix: Water
Date Received: 05/17/17 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	358793	05/24/17 04:33	RJF	TAL BUF
Total/NA	Prep	3510C			358167	05/19/17 07:25	CPH	TAL BUF
Total/NA	Analysis	8082A		1	358279	05/19/17 19:56	JMO	TAL BUF

Client Sample ID: MW-6 20170517
Lab Sample ID: 480-118149-6
Date Collected: 05/17/17 09:45
Matrix: Water
Date Received: 05/17/17 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	358793	05/24/17 04:58	RJF	TAL BUF
Total/NA	Prep	3510C			358167	05/19/17 07:25	CPH	TAL BUF
Total/NA	Analysis	8082A		1	358279	05/19/17 20:11	JMO	TAL BUF

Client Sample ID: FB-01-20170517
Lab Sample ID: 480-118149-7
Date Collected: 05/17/17 10:15
Matrix: Water
Date Received: 05/17/17 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	358793	05/24/17 05:23	RJF	TAL BUF
Total/NA	Prep	3510C			358167	05/19/17 07:25	CPH	TAL BUF
Total/NA	Analysis	8082A		1	358279	05/19/17 20:26	JMO	TAL BUF

Client Sample ID: FD-01-20170515
Lab Sample ID: 480-118149-8
Date Collected: 05/15/17 00:00
Matrix: Water
Date Received: 05/17/17 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	358793	05/24/17 05:49	RJF	TAL BUF
Total/NA	Prep	3510C			358167	05/19/17 07:25	CPH	TAL BUF
Total/NA	Analysis	8082A		1	358279	05/19/17 20:42	JMO	TAL BUF

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-118149-9
Date Collected: 05/05/17 00:00
Matrix: Water
Date Received: 05/17/17 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	357930	05/18/17 07:16	NEA	TAL BUF

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

Accreditation/Certification Summary

Client: ARCADIS U.S. Inc
TestAmerica Job ID: 480-118149-1
Project/Site: GE Tonawanda GW/IDW

Laboratory: TestAmerica Buffalo

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

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-18

Method 8260C

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): ZB-624 (60) ID: 0.25(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
MW-2R 20170515	480-118149-1	103	104	100	102
MW-4 20170515	480-118149-2	101	103	100	102
MW-8 20170516	480-118149-3	103	102	99	102
MW-7 20170516	480-118149-4	102	101	100	103
MW-5R 20170516	480-118149-5	103	102	99	102
MW-6 20170517	480-118149-6	101	101	99	103
FB-01-20170517	480-118149-7	102	103	100	103
FD-01-20170515	480-118149-8	100	102	98	101
TRIP BLANK	480-118149-9	99	105	98	96
	MB 480-357930/6	99	107	101	102
	MB 480-358793/7	101	101	100	103
	LCS 480-357930/4	96	102	100	99
	LCS 480-358793/5	103	100	100	104
MW-8 20170516 MS	480-118149-3 MS	104	103	99	105
MW-8 20170516 MSD	480-118149-3 MSD	105	102	100	104

	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: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S6735.D

Lab ID: LCS 480-357930/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	27.7	111	73-126	
1,1,2,2-Tetrachloroethane	25.0	24.8	99	76-120	
1,1,2-Trichloroethane	25.0	25.7	103	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	26.6	106	61-148	
1,1-Dichloroethane	25.0	24.8	99	77-120	
1,1-Dichloroethene	25.0	22.3	89	66-127	
1,2,4-Trichlorobenzene	25.0	23.5	94	79-122	
1,2-Dibromo-3-Chloropropane	25.0	27.2	109	56-134	
1,2-Dibromoethane	25.0	25.4	102	77-120	
1,2-Dichlorobenzene	25.0	24.8	99	80-124	
1,2-Dichloroethane	25.0	25.1	101	75-120	
1,2-Dichloropropane	25.0	24.8	99	76-120	
1,3-Dichlorobenzene	25.0	25.3	101	77-120	
1,4-Dichlorobenzene	25.0	24.4	98	80-120	
2-Hexanone	125	133	106	65-127	
2-Butanone (MEK)	125	129	103	57-140	
4-Methyl-2-pentanone (MIBK)	125	128	102	71-125	
Acetone	125	148	119	56-142	
Benzene	25.0	25.3	101	71-124	
Bromodichloromethane	25.0	25.1	100	80-122	
Bromoform	25.0	23.2	93	61-132	
Bromomethane	25.0	24.0	96	55-144	
Carbon disulfide	25.0	24.9	100	59-134	
Carbon tetrachloride	25.0	32.0	128	72-134	
Chlorobenzene	25.0	24.5	98	80-120	
Dibromochloromethane	25.0	27.0	108	75-125	
Chloroethane	25.0	22.9	92	69-136	
Chloroform	25.0	23.9	96	73-127	
Chloromethane	25.0	19.7	79	68-124	
cis-1,2-Dichloroethene	25.0	24.4	98	74-124	
cis-1,3-Dichloropropene	25.0	25.1	100	74-124	
Cyclohexane	25.0	26.3	105	59-135	
Dichlorodifluoromethane	25.0	15.1	60	59-135	
Ethylbenzene	25.0	25.2	101	77-123	
Isopropylbenzene	25.0	25.4	101	77-122	
Methyl acetate	125	124	99	74-133	
Methyl tert-butyl ether	25.0	24.9	100	77-120	
Methylcyclohexane	25.0	26.6	106	68-134	
Methylene Chloride	25.0	23.9	96	75-124	
Styrene	25.0	25.2	101	80-120	
Tetrachloroethene	25.0	27.3	109	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S6735.D

Lab ID: LCS 480-357930/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	24.9	100	80-122	
trans-1,2-Dichloroethene	25.0	25.1	101	73-127	
Trichloroethene	25.0	25.2	101	74-123	
Trichlorofluoromethane	25.0	28.2	113	62-150	
Vinyl chloride	25.0	21.5	86	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Matrix: Water Level: Low Lab File ID: C0148.D

Lab ID: LCS 480-358793/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	24.7	99	73-126	
1,1,2,2-Tetrachloroethane	25.0	23.8	95	76-120	
1,1,2-Trichloroethane	25.0	24.5	98	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.8	99	61-148	
1,1-Dichloroethane	25.0	23.4	94	77-120	
1,1-Dichloroethene	25.0	24.1	96	66-127	
1,2,4-Trichlorobenzene	25.0	24.4	98	79-122	
1,2-Dibromo-3-Chloropropane	25.0	23.7	95	56-134	
1,2-Dibromoethane	25.0	24.8	99	77-120	
1,2-Dichlorobenzene	25.0	24.2	97	80-124	
1,2-Dichloroethane	25.0	24.4	98	75-120	
1,2-Dichloropropane	25.0	24.3	97	76-120	
1,3-Dichlorobenzene	25.0	24.3	97	77-120	
1,4-Dichlorobenzene	25.0	24.2	97	80-120	
2-Hexanone	125	119	95	65-127	
2-Butanone (MEK)	125	117	94	57-140	
4-Methyl-2-pentanone (MIBK)	125	120	96	71-125	
Acetone	125	114	92	56-142	
Benzene	25.0	23.9	96	71-124	
Bromodichloromethane	25.0	25.2	101	80-122	
Bromoform	25.0	26.3	105	61-132	
Bromomethane	25.0	21.8	87	55-144	
Carbon disulfide	25.0	23.9	95	59-134	
Carbon tetrachloride	25.0	24.6	99	72-134	
Chlorobenzene	25.0	24.4	98	80-120	
Dibromochloromethane	25.0	25.6	102	75-125	
Chloroethane	25.0	22.7	91	69-136	
Chloroform	25.0	23.3	93	73-127	
Chloromethane	25.0	22.5	90	68-124	
cis-1,2-Dichloroethene	25.0	23.1	92	74-124	
cis-1,3-Dichloropropene	25.0	24.8	99	74-124	
Cyclohexane	25.0	23.5	94	59-135	
Dichlorodifluoromethane	25.0	25.8	103	59-135	
Ethylbenzene	25.0	24.0	96	77-123	
Isopropylbenzene	25.0	23.7	95	77-122	
Methyl acetate	125	117	94	74-133	
Methyl tert-butyl ether	25.0	24.1	96	77-120	
Methylcyclohexane	25.0	24.2	97	68-134	
Methylene Chloride	25.0	25.7	103	75-124	
Styrene	25.0	25.1	100	80-120	
Tetrachloroethene	25.0	23.9	96	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Matrix: Water Level: Low Lab File ID: C0148.D

Lab ID: LCS 480-358793/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	24.3	97	80-122	
trans-1,2-Dichloroethene	25.0	22.5	90	73-127	
Trichloroethene	25.0	24.2	97	74-123	
Trichlorofluoromethane	25.0	25.7	103	62-150	
Vinyl chloride	25.0	24.3	97	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Matrix: Water Level: Low Lab File ID: C0167.D

Lab ID: 480-118149-3 MS Client ID: MW-8 20170516 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	ND	27.6	110	73-126	
1,1,2,2-Tetrachloroethane	25.0	ND	23.2	93	76-120	
1,1,2-Trichloroethane	25.0	ND	24.2	97	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	ND	25.7	103	61-148	
1,1-Dichloroethane	25.0	ND	25.3	101	77-120	
1,1-Dichloroethene	25.0	ND	26.5	106	66-127	
1,2,4-Trichlorobenzene	25.0	ND	25.0	100	79-122	
1,2-Dibromo-3-Chloropropane	25.0	ND	21.6	87	56-134	
1,2-Dibromoethane	25.0	ND	24.7	99	77-120	
1,2-Dichlorobenzene	25.0	ND	24.5	98	80-124	
1,2-Dichloroethane	25.0	ND	25.7	103	75-120	
1,2-Dichloropropane	25.0	ND	25.6	102	76-120	
1,3-Dichlorobenzene	25.0	ND	25.0	100	77-120	
1,4-Dichlorobenzene	25.0	ND	24.7	99	78-124	
2-Hexanone	125	ND	112	90	65-127	
2-Butanone (MEK)	125	ND	113	90	57-140	
4-Methyl-2-pentanone (MIBK)	125	ND	114	91	71-125	
Acetone	125	ND	115	92	56-142	
Benzene	25.0	ND	25.3	101	71-124	
Bromodichloromethane	25.0	ND	26.2	105	80-122	
Bromoform	25.0	ND	26.3	105	61-132	
Bromomethane	25.0	ND	24.8	99	55-144	
Carbon disulfide	25.0	ND	26.0	104	59-134	
Carbon tetrachloride	25.0	ND	28.1	112	72-134	
Chlorobenzene	25.0	ND	25.5	102	80-120	
Dibromochloromethane	25.0	ND	25.6	102	75-125	
Chloroethane	25.0	ND	25.3	101	69-136	
Chloroform	25.0	ND	24.8	99	73-127	
Chloromethane	25.0	ND	24.5	98	68-124	
cis-1,2-Dichloroethene	25.0	ND	24.4	98	74-124	
cis-1,3-Dichloropropene	25.0	ND	25.1	100	74-124	
Cyclohexane	25.0	ND	24.3	97	59-135	
Dichlorodifluoromethane	25.0	ND	26.6	106	59-135	
Ethylbenzene	25.0	ND	25.6	103	77-123	
Isopropylbenzene	25.0	ND	25.0	100	77-122	
Methyl acetate	125	ND	111	89	74-133	
Methyl tert-butyl ether	25.0	ND	24.6	98	77-120	
Methylcyclohexane	25.0	ND	24.8	99	68-134	
Methylene Chloride	25.0	ND	25.9	103	75-124	
Styrene	25.0	ND	25.9	103	80-120	
Tetrachloroethene	25.0	ND	25.9	104	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Matrix: Water Level: Low Lab File ID: C0167.D

Lab ID: 480-118149-3 MS Client ID: MW-8 20170516 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Toluene	25.0	ND	25.3	101	80-122	
trans-1,2-Dichloroethene	25.0	ND	24.6	98	73-127	
Trichloroethene	25.0	ND	25.9	104	74-123	
Trichlorofluoromethane	25.0	ND	27.9	112	62-150	
Vinyl chloride	25.0	ND	26.2	105	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Matrix: Water Level: Low Lab File ID: C0168.D

Lab ID: 480-118149-3 MSD Client ID: MW-8 20170516 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	27.1	109	2	15	73-126	
1,1,2,2-Tetrachloroethane	25.0	22.3	89	4	15	76-120	
1,1,2-Trichloroethane	25.0	23.5	94	3	15	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.5	98	5	20	61-148	
1,1-Dichloroethane	25.0	24.8	99	2	20	77-120	
1,1-Dichloroethene	25.0	26.2	105	1	16	66-127	
1,2,4-Trichlorobenzene	25.0	24.0	96	4	20	79-122	
1,2-Dibromo-3-Chloropropane	25.0	21.1	84	3	15	56-134	
1,2-Dibromoethane	25.0	23.9	96	3	15	77-120	
1,2-Dichlorobenzene	25.0	24.0	96	2	20	80-124	
1,2-Dichloroethane	25.0	25.1	100	3	20	75-120	
1,2-Dichloropropane	25.0	25.1	101	2	20	76-120	
1,3-Dichlorobenzene	25.0	24.3	97	3	20	77-120	
1,4-Dichlorobenzene	25.0	24.0	96	3	20	78-124	
2-Hexanone	125	106	85	6	15	65-127	
2-Butanone (MEK)	125	109	87	4	20	57-140	
4-Methyl-2-pentanone (MIBK)	125	109	87	5	35	71-125	
Acetone	125	108	86	6	15	56-142	
Benzene	25.0	25.1	100	1	13	71-124	
Bromodichloromethane	25.0	26.0	104	1	15	80-122	
Bromoform	25.0	24.8	99	6	15	61-132	
Bromomethane	25.0	25.8	103	4	15	55-144	
Carbon disulfide	25.0	26.2	105	1	15	59-134	
Carbon tetrachloride	25.0	27.5	110	2	15	72-134	
Chlorobenzene	25.0	24.6	98	4	25	80-120	
Dibromochloromethane	25.0	24.8	99	3	15	75-125	
Chloroethane	25.0	25.7	103	2	15	69-136	
Chloroform	25.0	24.4	98	2	20	73-127	
Chloromethane	25.0	24.5	98	0	15	68-124	
cis-1,2-Dichloroethene	25.0	24.1	96	1	15	74-124	
cis-1,3-Dichloropropene	25.0	24.7	99	2	15	74-124	
Cyclohexane	25.0	23.7	95	3	20	59-135	
Dichlorodifluoromethane	25.0	25.3	101	5	20	59-135	
Ethylbenzene	25.0	24.8	99	3	15	77-123	
Isopropylbenzene	25.0	24.5	98	2	20	77-122	
Methyl acetate	125	107	86	3	20	74-133	
Methyl tert-butyl ether	25.0	24.2	97	2	37	77-120	
Methylcyclohexane	25.0	24.1	96	3	20	68-134	
Methylene Chloride	25.0	25.4	102	2	15	75-124	
Styrene	25.0	24.9	100	4	20	80-120	
Tetrachloroethene	25.0	25.2	101	3	20	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Matrix: Water Level: Low Lab File ID: C0168.D

Lab ID: 480-118149-3 MSD Client ID: MW-8 20170516 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Toluene	25.0	25.1	100	1	15	80-122	
trans-1,2-Dichloroethene	25.0	23.9	96	3	20	73-127	
Trichloroethene	25.0	25.6	102	1	16	74-123	
Trichlorofluoromethane	25.0	27.6	110	1	20	62-150	
Vinyl chloride	25.0	26.5	106	1	15	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Lab File ID: S6737.D Lab Sample ID: MB 480-357930/6

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

Instrument ID: HP5973S Date Analyzed: 05/17/2017 23:23

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 480-357930/4	S6735.D	05/17/2017 22:20
TRIP BLANK	480-118149-9	S6756.D	05/18/2017 07:16

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Lab File ID: C0150.D Lab Sample ID: MB 480-358793/7

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

Instrument ID: HP5973C Date Analyzed: 05/24/2017 00:06

GC Column: ZB-624 (60) ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-358793/5	C0148.D	05/23/2017 23:16
MW-2R 20170515	480-118149-1	C0156.D	05/24/2017 02:51
MW-4 20170515	480-118149-2	C0157.D	05/24/2017 03:17
MW-8 20170516	480-118149-3	C0158.D	05/24/2017 03:42
MW-7 20170516	480-118149-4	C0159.D	05/24/2017 04:07
MW-5R 20170516	480-118149-5	C0160.D	05/24/2017 04:33
MW-6 20170517	480-118149-6	C0161.D	05/24/2017 04:58
FB-01-20170517	480-118149-7	C0162.D	05/24/2017 05:23
FD-01-20170515	480-118149-8	C0163.D	05/24/2017 05:49
MW-8 20170516 MS	480-118149-3 MS	C0167.D	05/24/2017 07:30
MW-8 20170516 MSD	480-118149-3 MSD	C0168.D	05/24/2017 07:55

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

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Lab File ID: C0097.D BFB Injection Date: 05/22/2017

Instrument ID: HP5973C BFB Injection Time: 13:56

Analysis Batch No.: 358504

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.5	
75	30.0 - 60.0 % of mass 95	43.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	8.7	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	88.4	
175	5.0 - 9.0 % of mass 174	6.3	(7.2) 1
176	95.0 - 101.0 % of mass 174	86.2	(97.5) 1
177	5.0 - 9.0 % of mass 176	6.1	(7.0) 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 480-358504/8	C0099.D	05/22/2017	14:55
	IC 480-358504/9	C0100.D	05/22/2017	15:20
	IC 480-358504/10	C0101.D	05/22/2017	15:45
	IC 480-358504/11	C0102.D	05/22/2017	16:10
	IC 480-358504/12	C0103.D	05/22/2017	16:35
	ICIS 480-358504/13	C0104.D	05/22/2017	17:01
	IC 480-358504/14	C0105.D	05/22/2017	17:26
	IC 480-358504/15	C0106.D	05/22/2017	17:51

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

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Lab File ID: C0145.D BFB Injection Date: 05/23/2017

Instrument ID: HP5973C BFB Injection Time: 22:23

Analysis Batch No.: 358793

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	15.8	
75	30.0 - 60.0 % of mass 95	43.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	8.0	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	88.2	
175	5.0 - 9.0 % of mass 174	6.5	(7.3) 1
176	95.0 - 101.0 % of mass 174	85.7	(97.2) 1
177	5.0 - 9.0 % of mass 176	6.1	(7.2) 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 480-358793/3	C0146.D	05/23/2017	22:51
	LCS 480-358793/5	C0148.D	05/23/2017	23:16
	MB 480-358793/7	C0150.D	05/24/2017	00:06
MW-2R 20170515	480-118149-1	C0156.D	05/24/2017	02:51
MW-4 20170515	480-118149-2	C0157.D	05/24/2017	03:17
MW-8 20170516	480-118149-3	C0158.D	05/24/2017	03:42
MW-7 20170516	480-118149-4	C0159.D	05/24/2017	04:07
MW-5R 20170516	480-118149-5	C0160.D	05/24/2017	04:33
MW-6 20170517	480-118149-6	C0161.D	05/24/2017	04:58
FB-01-20170517	480-118149-7	C0162.D	05/24/2017	05:23
FD-01-20170515	480-118149-8	C0163.D	05/24/2017	05:49
MW-8 20170516 MS	480-118149-3 MS	C0167.D	05/24/2017	07:30
MW-8 20170516 MSD	480-118149-3 MSD	C0168.D	05/24/2017	07:55

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

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Lab File ID: S6632.D BFB Injection Date: 05/15/2017

Instrument ID: HP5973S BFB Injection Time: 22:12

Analysis Batch No.: 357500

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.7	
75	30.0 - 60.0 % of mass 95	48.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.3	
173	Less than 2.0 % of mass 174	0.8	(1.0) 1
174	50.0 - 120.00 % of mass 95	83.8	
175	5.0 - 9.0 % of mass 174	6.1	(7.3) 1
176	95.0 - 101.0 % of mass 174	83.5	(99.6) 1
177	5.0 - 9.0 % of mass 176	5.4	(6.4) 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 480-357500/4	S6634.D	05/15/2017	22:59
	IC 480-357500/5	S6635.D	05/15/2017	23:22
	IC 480-357500/6	S6636.D	05/15/2017	23:45
	IC 480-357500/7	S6637.D	05/16/2017	00:08
	IC 480-357500/8	S6638.D	05/16/2017	00:31
	ICIS 480-357500/9	S6639.D	05/16/2017	00:54
	IC 480-357500/10	S6640.D	05/16/2017	01:17
	IC 480-357500/11	S6641.D	05/16/2017	01:41

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

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Lab File ID: S6732.D BFB Injection Date: 05/17/2017

Instrument ID: HP5973S BFB Injection Time: 20:55

Analysis Batch No.: 357930

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.3	
75	30.0 - 60.0 % of mass 95	50.3	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.2	
173	Less than 2.0 % of mass 174	0.4	(0.4) 1
174	50.0 - 120.00 % of mass 95	85.8	
175	5.0 - 9.0 % of mass 174	7.1	(8.2) 1
176	95.0 - 101.0 % of mass 174	83.2	(96.9) 1
177	5.0 - 9.0 % of mass 176	4.8	(5.7) 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 480-357930/2	S6733.D	05/17/2017	21:20
	LCS 480-357930/4	S6735.D	05/17/2017	22:20
	MB 480-357930/6	S6737.D	05/17/2017	23:23
TRIP BLANK	480-118149-9	S6756.D	05/18/2017	07:16

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

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Sample No.: ICIS 480-358504/13 Date Analyzed: 05/22/2017 17:01

Instrument ID: HP5973C GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): C0104.D Heated Purge: (Y/N) N

Calibration ID: 30612

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		138760	9.43	325800	11.84	365827	13.85
UPPER LIMIT		277520	9.93	651600	12.34	731654	14.35
LOWER LIMIT		69380	8.93	162900	11.34	182914	13.35
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-358793/3		125265	9.43	304227	11.84	350012	13.85

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: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Sample No.: CCVIS 480-358793/3 Date Analyzed: 05/23/2017 22:51

Instrument ID: HP5973C GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): C0146.D Heated Purge: (Y/N) N

Calibration ID: 30609

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		125265	9.43	304227	11.84	350012	13.85
UPPER LIMIT		250530	9.93	608454	12.34	700024	14.35
LOWER LIMIT		62633	8.93	152114	11.34	175006	13.35
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-358793/5		128822	9.43	308958	11.84	357097	13.85
MB 480-358793/7		131455	9.43	314762	11.84	362314	13.85
480-118149-1	MW-2R 20170515	125004	9.43	302369	11.84	347031	13.85
480-118149-2	MW-4 20170515	126554	9.43	303340	11.84	350490	13.85
480-118149-3	MW-8 20170516	124775	9.43	303182	11.84	348621	13.85
480-118149-4	MW-7 20170516	124932	9.43	297899	11.84	344643	13.85
480-118149-5	MW-5R 20170516	124303	9.43	305685	11.84	351476	13.85
480-118149-6	MW-6 20170517	125275	9.43	303850	11.84	347615	13.85
480-118149-7	FB-01-20170517	124007	9.43	301034	11.84	349646	13.85
480-118149-8	FD-01-20170515	126967	9.43	303956	11.84	348543	13.85
480-118149-3 MS	MW-8 20170516 MS	120936	9.43	296432	11.84	348057	13.85
480-118149-3 MSD	MW-8 20170516 MSD	122086	9.43	302584	11.84	351890	13.85

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: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Sample No.: ICIS 480-357500/9 Date Analyzed: 05/16/2017 00:54

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): S6639.D Heated Purge: (Y/N) N

Calibration ID: 30562

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		170985	5.55	343914	8.55	337069	10.92
UPPER LIMIT		341970	6.05	687828	9.05	674138	11.42
LOWER LIMIT		85493	5.05	171957	8.05	168535	10.42
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-357930/2		148748	5.55	294570	8.55	283015	10.92

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: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Sample No.: CCVIS 480-357930/2 Date Analyzed: 05/17/2017 21:20

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): S6733.D Heated Purge: (Y/N) N

Calibration ID: 30565

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		148748	5.55	294570	8.55	283015	10.92
UPPER LIMIT		297496	6.05	589140	9.05	566030	11.42
LOWER LIMIT		74374	5.05	147285	8.05	141508	10.42
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-357930/4		152079	5.55	296237	8.55	292374	10.92
MB 480-357930/6		145037	5.55	282349	8.55	275710	10.92
480-118149-9	TRIP BLANK	136251	5.55	269866	8.55	257100	10.92

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: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: MW-2R 20170515 | Lab Sample ID: 480-118149-1

Matrix: Water | Lab File ID: C0156.D

Analysis Method: 8260C | Date Collected: 05/15/2017 14:30

Sample wt/vol: 5(mL) | Date Analyzed: 05/24/2017 02:51

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 358793 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: MW-2R 20170515 | Lab Sample ID: 480-118149-1

Matrix: Water | Lab File ID: C0156.D

Analysis Method: 8260C | Date Collected: 05/15/2017 14:30

Sample wt/vol: 5(mL) | Date Analyzed: 05/24/2017 02:51

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 358793 | Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		77-120
2037-26-5	Toluene-d8 (Surr)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20170523-62738.b\C0156.D
Lims ID: 480-118149-C-1
Client ID: MW-2R 20170515
Sample Type: Client
Inject. Date: 24-May-2017 02:51:30 ALS Bottle#: 12 Worklist Smp#: 33
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-118149-C-1
Misc. Info.: 480-0062738-033
Operator ID: RR Instrument ID: HP5973C

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20170523-62738.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 24-May-2017 09:49:50 Calib Date: 22-May-2017 22:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C0117.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: farrellr Date: 24-May-2017 09:49:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.428	9.428	0.000	100	125004	25.0	
* 2 Chlorobenzene-d5	82	11.836	11.835	0.001	83	302369	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.852	13.851	0.001	94	347031	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.895	8.895	0.000	94	180934	25.8	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.191	9.191	0.000	99	101865	25.9	
$ 5 Toluene-d8 (Surr)	98	10.650	10.650	0.000	92	748369	25.1	
$ 6 4-Bromofluorobenzene (Surr	174	12.784	12.784	0.000	97	256628	25.5	
10 Dichlorodifluoromethane	85		4.507				ND	
12 Chloromethane	50		4.910				ND	
13 Vinyl chloride	62		5.147				ND	
14 Bromomethane	94		5.740				ND	
15 Chloroethane	64		5.882				ND	
17 Trichlorofluoromethane	101		6.238				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		6.819				ND	
22 1,1-Dichloroethene	96		6.879				ND	
23 Acetone	43	6.938	6.938	0.012	80	6955	2.68	
26 Carbon disulfide	76		7.199				ND	
27 Methyl acetate	43		7.223				ND	
30 Methylene Chloride	84		7.389				ND	
32 Methyl tert-butyl ether	73		7.566				ND	
34 trans-1,2-Dichloroethene	96		7.626				ND	
39 1,1-Dichloroethane	63		8.029				ND	
43 2-Butanone (MEK)	43		8.480				ND	
45 cis-1,2-Dichloroethene	96		8.515				ND	
50 Chloroform	83	8.752	8.752	0.000	90	4409	0.2292	
51 1,1,1-Trichloroethane	97		8.942				ND	
52 Cyclohexane	56		8.989				ND	
55 Carbon tetrachloride	117		9.072				ND	
57 Benzene	78		9.238				ND	
58 1,2-Dichloroethane	62		9.250				ND	
62 Trichloroethene	95		9.713				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		9.867				ND	
65 1,2-Dichloropropane	63		9.914				ND	
68 Dichlorobromomethane	83		10.116				ND	
72 cis-1,3-Dichloropropene	75		10.436				ND	
73 4-Methyl-2-pentanone (MIBK	43		10.472				ND	
74 Toluene	92		10.709				ND	
77 trans-1,3-Dichloropropene	75		10.839				ND	
79 1,1,2-Trichloroethane	83		11.029				ND	
80 2-Hexanone	43		11.112				ND	
81 Tetrachloroethene	166		11.160				ND	
83 Chlorodibromomethane	129		11.385				ND	
84 Ethylene Dibromide	107		11.527				ND	
87 Chlorobenzene	112		11.859				ND	
88 Ethylbenzene	91		11.871				ND	
90 m-Xylene & p-Xylene	106		11.954				ND	
91 o-Xylene	106		12.298				ND	
92 Styrene	104		12.310				ND	
94 Isopropylbenzene	105		12.571				ND	
95 Bromoform	173		12.583				ND	
97 1,1,2,2-Tetrachloroethane	83		12.855				ND	
111 1,3-Dichlorobenzene	146		13.804				ND	
113 1,4-Dichlorobenzene	146		13.875				ND	
116 1,2-Dichlorobenzene	146		14.302				ND	
117 1,2-Dibromo-3-Chloropropan	75		15.180				ND	
119 1,2,4-Trichlorobenzene	180		16.223				ND	
S 124 Xylenes, Total	1		30.000				ND	

Reagents:

C_8260_IS_00085	Amount Added:	1.00	Units: uL	Run Reagent
C_8260_Surr_00092	Amount Added:	1.00	Units: uL	Run Reagent

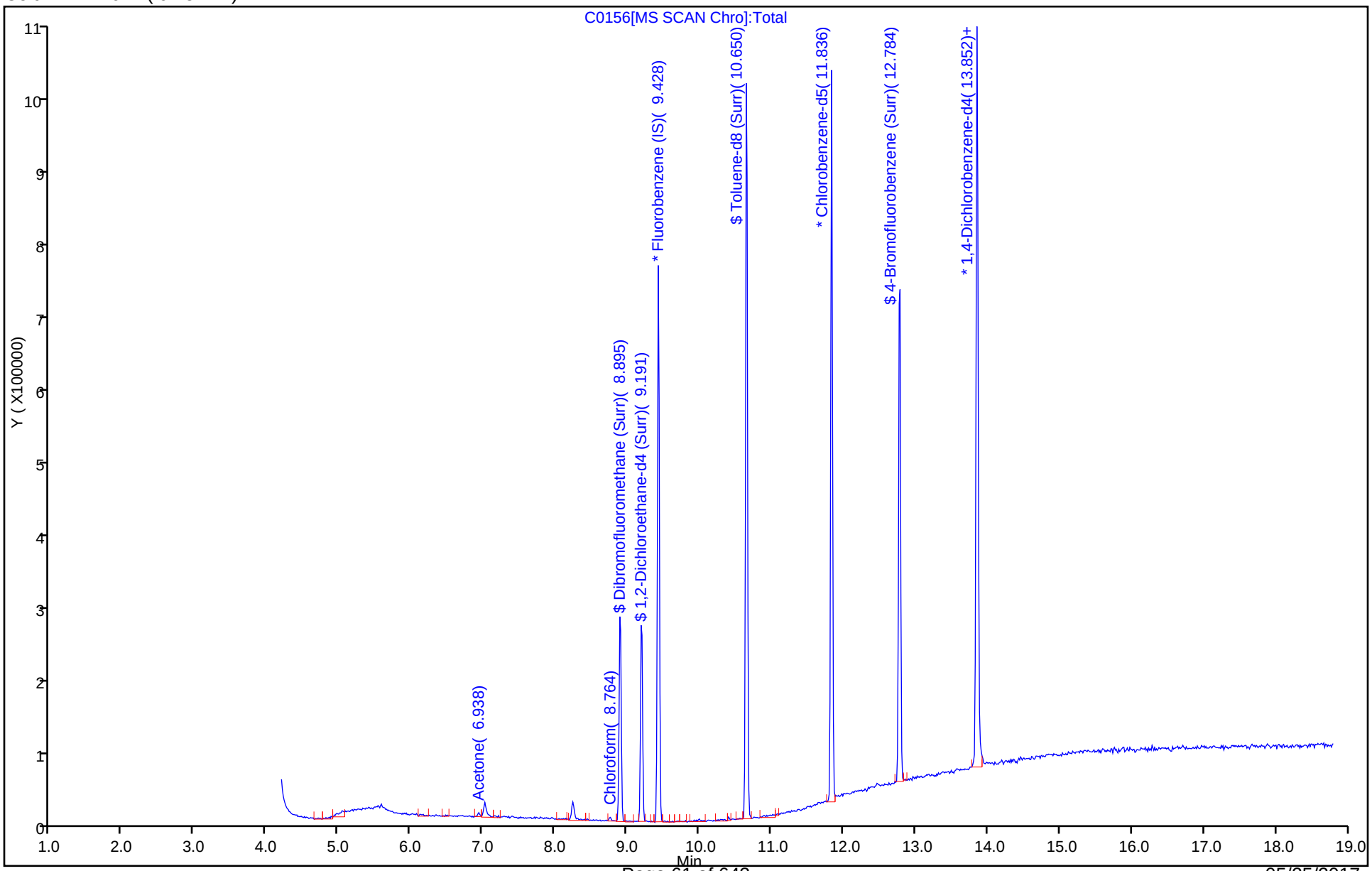
Report Date: 24-May-2017 09:49:51 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20170523-62738.b\C0156.D

Injection Date:	24-May-2017 02:51:30	Instrument ID:	HP5973C	Operator ID:	RR
Lims ID:	480-118149-C-1	Lab Sample ID:	480-118149-1	Worklist Smp#:	33
Client ID:	MW-2R 20170515				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: MW-4 20170515 | Lab Sample ID: 480-118149-2

Matrix: Water | Lab File ID: C0157.D

Analysis Method: 8260C | Date Collected: 05/15/2017 16:00

Sample wt/vol: 5(mL) | Date Analyzed: 05/24/2017 03:17

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 358793 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: MW-4 20170515 | Lab Sample ID: 480-118149-2

Matrix: Water | Lab File ID: C0157.D

Analysis Method: 8260C | Date Collected: 05/15/2017 16:00

Sample wt/vol: 5(mL) | Date Analyzed: 05/24/2017 03:17

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 358793 | Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		77-120
2037-26-5	Toluene-d8 (Surr)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20170523-62738.b\C0157.D
Lims ID: 480-118149-C-2
Client ID: MW-4 20170515
Sample Type: Client
Inject. Date: 24-May-2017 03:17:30 ALS Bottle#: 13 Worklist Smp#: 34
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-118149-C-2
Misc. Info.: 480-0062738-034
Operator ID: RR Instrument ID: HP5973C

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20170523-62738.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 24-May-2017 09:50:30 Calib Date: 22-May-2017 22:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C0117.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: farrellr Date: 24-May-2017 09:50:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.428	9.428	0.000	100	126554	25.0	
* 2 Chlorobenzene-d5	82	11.836	11.835	0.001	83	303340	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.852	13.851	0.001	93	350490	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.895	8.895	0.000	94	179543	25.3	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.191	9.191	0.000	99	102324	25.7	
$ 5 Toluene-d8 (Surr)	98	10.650	10.650	0.000	92	747651	24.9	
$ 6 4-Bromofluorobenzene (Surr	174	12.784	12.784	0.000	97	256849	25.4	
10 Dichlorodifluoromethane	85		4.507				ND	
12 Chloromethane	50		4.910				ND	
13 Vinyl chloride	62		5.147				ND	
14 Bromomethane	94		5.740				ND	
15 Chloroethane	64		5.882				ND	
17 Trichlorofluoromethane	101		6.238				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		6.819				ND	
22 1,1-Dichloroethene	96		6.879				ND	
23 Acetone	43		6.926				ND	
26 Carbon disulfide	76		7.199				ND	
27 Methyl acetate	43		7.223				ND	
30 Methylene Chloride	84		7.389				ND	
32 Methyl tert-butyl ether	73		7.566				ND	
34 trans-1,2-Dichloroethene	96		7.626				ND	
39 1,1-Dichloroethane	63		8.029				ND	
43 2-Butanone (MEK)	43		8.480				ND	
45 cis-1,2-Dichloroethene	96		8.515				ND	
50 Chloroform	83		8.752				ND	
51 1,1,1-Trichloroethane	97		8.942				ND	
52 Cyclohexane	56		8.989				ND	
55 Carbon tetrachloride	117		9.072				ND	
57 Benzene	78		9.238				ND	
58 1,2-Dichloroethane	62		9.250				ND	
62 Trichloroethene	95		9.713				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		9.867				ND	
65 1,2-Dichloropropane	63		9.914				ND	
68 Dichlorobromomethane	83		10.116				ND	
72 cis-1,3-Dichloropropene	75		10.436				ND	
73 4-Methyl-2-pentanone (MIBK	43		10.472				ND	
74 Toluene	92		10.709				ND	
77 trans-1,3-Dichloropropene	75		10.839				ND	
79 1,1,2-Trichloroethane	83		11.029				ND	
80 2-Hexanone	43		11.112				ND	
81 Tetrachloroethene	166		11.160				ND	
83 Chlorodibromomethane	129		11.385				ND	
84 Ethylene Dibromide	107		11.527				ND	
87 Chlorobenzene	112		11.859				ND	
88 Ethylbenzene	91		11.871				ND	
90 m-Xylene & p-Xylene	106		11.954				ND	
91 o-Xylene	106		12.298				ND	
92 Styrene	104		12.310				ND	
94 Isopropylbenzene	105		12.571				ND	
95 Bromoform	173		12.583				ND	
97 1,1,2,2-Tetrachloroethane	83		12.855				ND	
111 1,3-Dichlorobenzene	146		13.804				ND	
113 1,4-Dichlorobenzene	146		13.875				ND	
116 1,2-Dichlorobenzene	146		14.302				ND	
117 1,2-Dibromo-3-Chloropropan	75		15.180				ND	
119 1,2,4-Trichlorobenzene	180		16.223				ND	
S 124 Xylenes, Total	1		30.000				ND	

Reagents:

C_8260_IS_00085	Amount Added:	1.00	Units: uL	Run Reagent
C_8260_Surr_00092	Amount Added:	1.00	Units: uL	Run Reagent

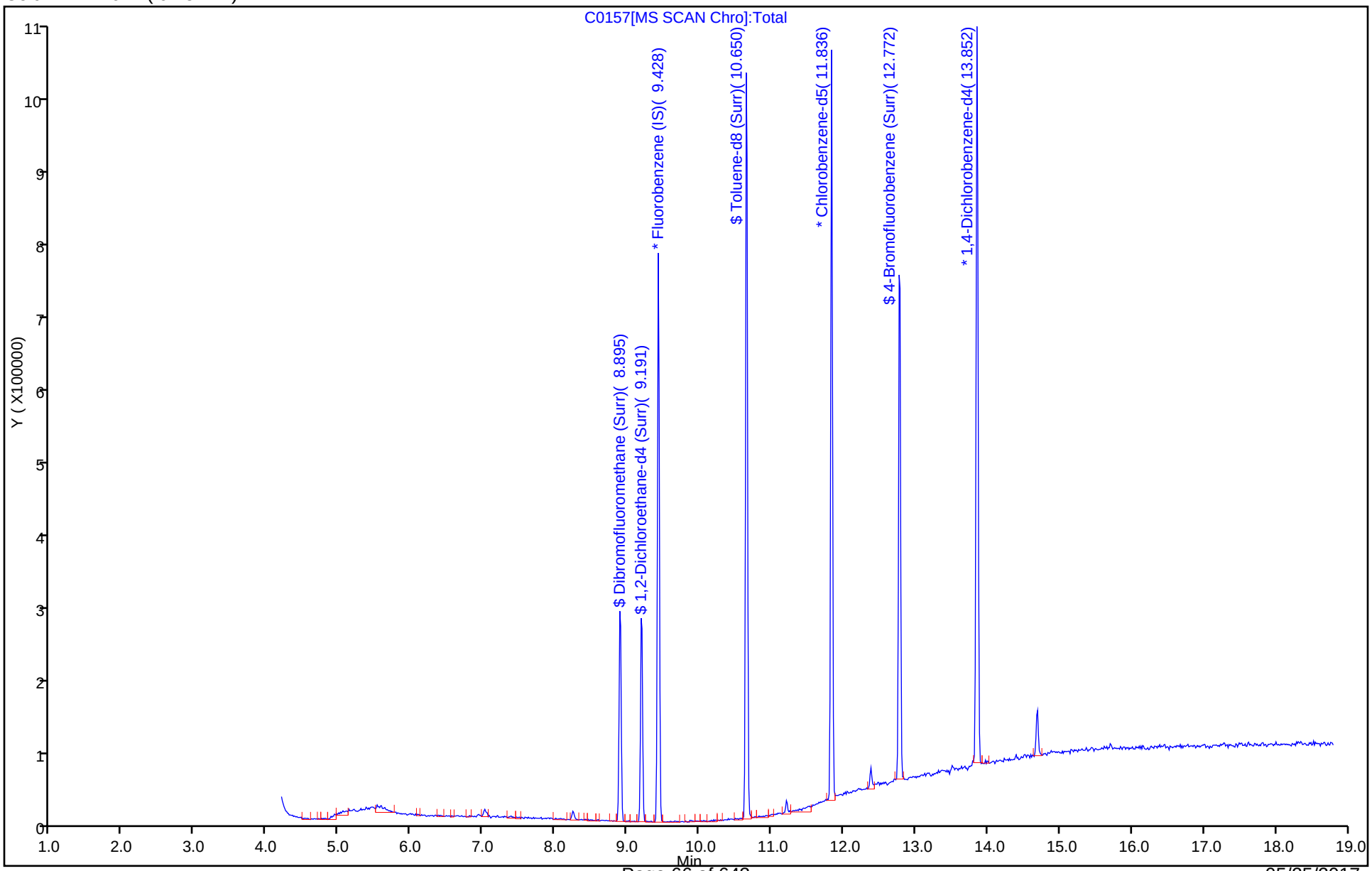
Report Date: 24-May-2017 09:50:30 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20170523-62738.b\C0157.D

Injection Date:	24-May-2017 03:17:30	Instrument ID:	HP5973C	Operator ID:	RR
Lims ID:	480-118149-C-2	Lab Sample ID:	480-118149-2	Worklist Smp#:	34
Client ID:	MW-4 20170515				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: MW-8 20170516 | Lab Sample ID: 480-118149-3

Matrix: Water | Lab File ID: C0158.D

Analysis Method: 8260C | Date Collected: 05/16/2017 08:45

Sample wt/vol: 5(mL) | Date Analyzed: 05/24/2017 03:42

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 358793 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: MW-8 20170516 | Lab Sample ID: 480-118149-3

Matrix: Water | Lab File ID: C0158.D

Analysis Method: 8260C | Date Collected: 05/16/2017 08:45

Sample wt/vol: 5(mL) | Date Analyzed: 05/24/2017 03:42

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 358793 | Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
2037-26-5	Toluene-d8 (Surr)	99		80-120
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20170523-62738.b\C0158.D
Lims ID: 480-118149-C-3
Client ID: MW-8 20170516
Sample Type: Client
Inject. Date: 24-May-2017 03:42:30 ALS Bottle#: 14 Worklist Smp#: 35
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-118149-C-3
Misc. Info.: 480-0062738-035
Operator ID: RR Instrument ID: HP5973C

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20170523-62738.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 24-May-2017 09:51:22 Calib Date: 22-May-2017 22:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C0117.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: farrellr Date: 24-May-2017 09:51:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.428	9.428	0.000	100	124775	25.0	
* 2 Chlorobenzene-d5	82	11.836	11.835	0.001	83	303182	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.852	13.851	0.001	93	348621	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.895	8.895	0.000	94	179742	25.7	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.191	9.191	0.000	100	100296	25.6	
$ 5 Toluene-d8 (Surr)	98	10.650	10.650	0.000	92	744948	24.9	
$ 6 4-Bromofluorobenzene (Surr	174	12.784	12.784	0.000	98	257912	25.5	
10 Dichlorodifluoromethane	85		4.507				ND	
12 Chloromethane	50		4.910				ND	
13 Vinyl chloride	62		5.147				ND	
14 Bromomethane	94		5.740				ND	
15 Chloroethane	64		5.882				ND	
17 Trichlorofluoromethane	101		6.238				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		6.819				ND	
22 1,1-Dichloroethene	96		6.879				ND	
23 Acetone	43	6.926	6.926	0.000	71	5012	1.93	
26 Carbon disulfide	76		7.199				ND	
27 Methyl acetate	43		7.223				ND	
30 Methylene Chloride	84		7.389				ND	
32 Methyl tert-butyl ether	73		7.566				ND	
34 trans-1,2-Dichloroethene	96		7.626				ND	
39 1,1-Dichloroethane	63		8.029				ND	
43 2-Butanone (MEK)	43		8.480				ND	
45 cis-1,2-Dichloroethene	96		8.515				ND	
50 Chloroform	83		8.752				ND	
51 1,1,1-Trichloroethane	97		8.942				ND	
52 Cyclohexane	56		8.989				ND	
55 Carbon tetrachloride	117		9.072				ND	
57 Benzene	78		9.238				ND	
58 1,2-Dichloroethane	62		9.250				ND	
62 Trichloroethene	95		9.713				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		9.867				ND	
65 1,2-Dichloropropane	63		9.914				ND	
68 Dichlorobromomethane	83		10.116				ND	
72 cis-1,3-Dichloropropene	75		10.436				ND	
73 4-Methyl-2-pentanone (MIBK	43		10.472				ND	
74 Toluene	92		10.709				ND	
77 trans-1,3-Dichloropropene	75		10.839				ND	
79 1,1,2-Trichloroethane	83		11.029				ND	
80 2-Hexanone	43		11.112				ND	
81 Tetrachloroethene	166		11.160				ND	
83 Chlorodibromomethane	129		11.385				ND	
84 Ethylene Dibromide	107		11.527				ND	
87 Chlorobenzene	112		11.859				ND	
88 Ethylbenzene	91		11.871				ND	
90 m-Xylene & p-Xylene	106		11.954				ND	
91 o-Xylene	106		12.298				ND	
92 Styrene	104		12.310				ND	
94 Isopropylbenzene	105		12.571				ND	
95 Bromoform	173		12.583				ND	
97 1,1,2,2-Tetrachloroethane	83		12.855				ND	
111 1,3-Dichlorobenzene	146		13.804				ND	
113 1,4-Dichlorobenzene	146		13.875				ND	
116 1,2-Dichlorobenzene	146		14.302				ND	
117 1,2-Dibromo-3-Chloropropan	75		15.180				ND	
119 1,2,4-Trichlorobenzene	180		16.223				ND	
S 124 Xylenes, Total	1		30.000				ND	

Reagents:

C_8260_IS_00085	Amount Added:	1.00	Units: uL	Run Reagent
C_8260_Surr_00092	Amount Added:	1.00	Units: uL	Run Reagent

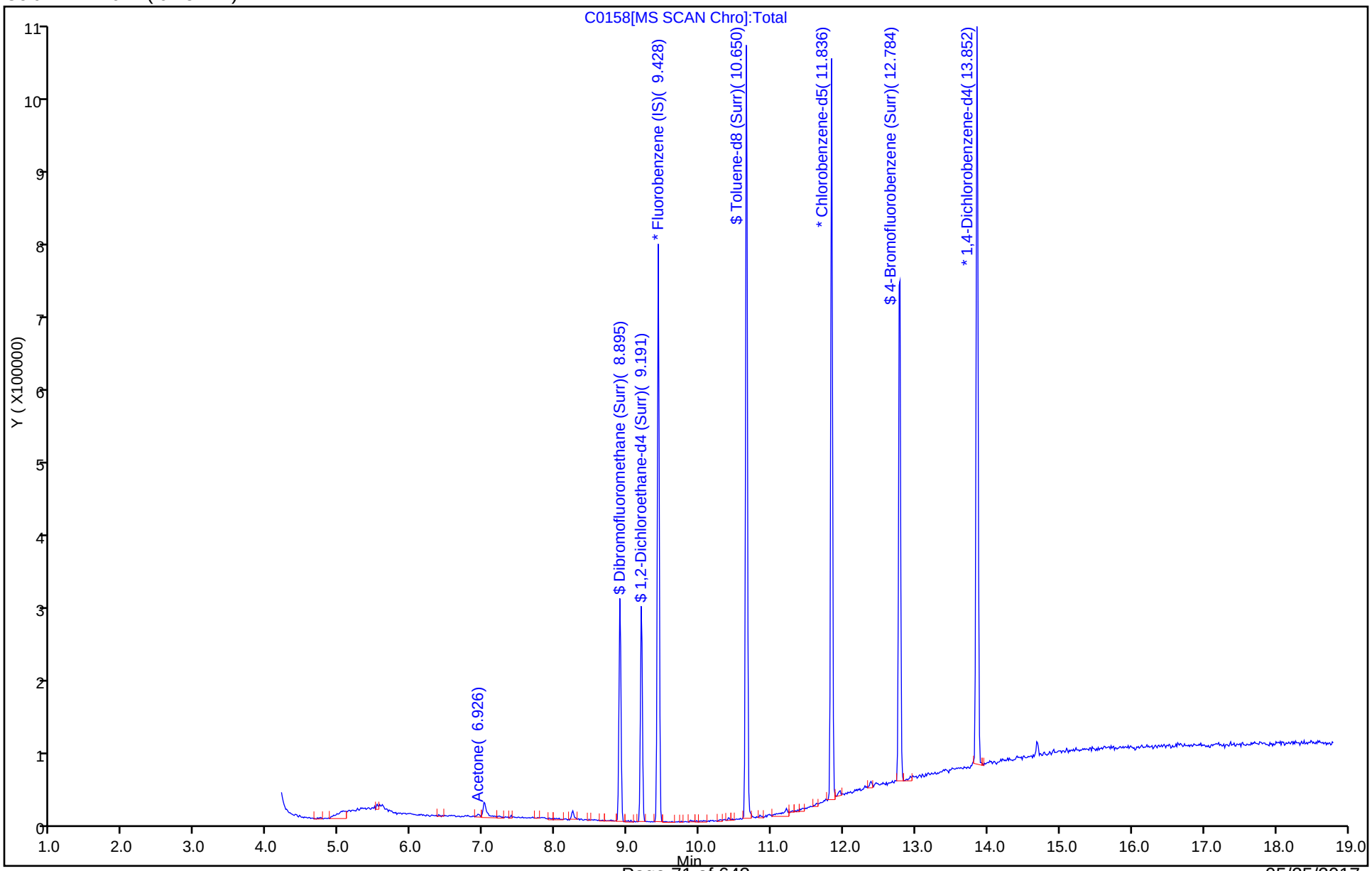
Report Date: 24-May-2017 09:51:23 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20170523-62738.b\C0158.D

Injection Date:	24-May-2017 03:42:30	Instrument ID:	HP5973C	Operator ID:	RR
Lims ID:	480-118149-C-3	Lab Sample ID:	480-118149-3	Worklist Smp#:	35
Client ID:	MW-8 20170516				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: MW-7 20170516 | Lab Sample ID: 480-118149-4

Matrix: Water | Lab File ID: C0159.D

Analysis Method: 8260C | Date Collected: 05/16/2017 13:45

Sample wt/vol: 5(mL) | Date Analyzed: 05/24/2017 04:07

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 358793 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: MW-7 20170516 | Lab Sample ID: 480-118149-4

Matrix: Water | Lab File ID: C0159.D

Analysis Method: 8260C | Date Collected: 05/16/2017 13:45

Sample wt/vol: 5(mL) | Date Analyzed: 05/24/2017 04:07

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 358793 | Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
2037-26-5	Toluene-d8 (Surr)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	103		73-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20170523-62738.b\C0159.D
Lims ID: 480-118149-C-4
Client ID: MW-7 20170516
Sample Type: Client
Inject. Date: 24-May-2017 04:07:30 ALS Bottle#: 15 Worklist Smp#: 36
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-118149-C-4
Misc. Info.: 480-0062738-036
Operator ID: RR Instrument ID: HP5973C

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20170523-62738.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 24-May-2017 09:52:08 Calib Date: 22-May-2017 22:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C0117.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: farrellr Date: 24-May-2017 09:52:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.428	9.428	0.000	100	124932	25.0	
* 2 Chlorobenzene-d5	82	11.836	11.835	0.001	83	297899	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.852	13.851	0.001	93	344643	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.895	8.895	0.000	94	178257	25.4	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.191	9.191	0.000	99	99212	25.3	
$ 5 Toluene-d8 (Surr)	98	10.650	10.650	0.000	92	739102	25.1	
$ 6 4-Bromofluorobenzene (Surr	174	12.784	12.784	0.000	97	256438	25.8	
10 Dichlorodifluoromethane	85		4.507				ND	
12 Chloromethane	50		4.910				ND	
13 Vinyl chloride	62		5.147				ND	
14 Bromomethane	94		5.740				ND	
15 Chloroethane	64		5.882				ND	
17 Trichlorofluoromethane	101		6.238				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		6.819				ND	
22 1,1-Dichloroethene	96		6.879				ND	
23 Acetone	43	6.926	6.926	0.000	73	4840	1.87	
26 Carbon disulfide	76		7.199				ND	
27 Methyl acetate	43		7.223				ND	
30 Methylene Chloride	84		7.389				ND	
32 Methyl tert-butyl ether	73		7.566				ND	
34 trans-1,2-Dichloroethene	96		7.626				ND	
39 1,1-Dichloroethane	63		8.029				ND	
43 2-Butanone (MEK)	43		8.480				ND	
45 cis-1,2-Dichloroethene	96		8.515				ND	
50 Chloroform	83		8.752				ND	
51 1,1,1-Trichloroethane	97		8.942				ND	
52 Cyclohexane	56		8.989				ND	
55 Carbon tetrachloride	117		9.072				ND	
57 Benzene	78		9.238				ND	
58 1,2-Dichloroethane	62		9.250				ND	
62 Trichloroethene	95		9.713				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		9.867				ND	
65 1,2-Dichloropropane	63		9.914				ND	
68 Dichlorobromomethane	83		10.116				ND	
72 cis-1,3-Dichloropropene	75		10.436				ND	
73 4-Methyl-2-pentanone (MIBK	43		10.472				ND	
74 Toluene	92		10.709				ND	
77 trans-1,3-Dichloropropene	75		10.839				ND	
79 1,1,2-Trichloroethane	83		11.029				ND	
80 2-Hexanone	43		11.112				ND	
81 Tetrachloroethene	166		11.160				ND	
83 Chlorodibromomethane	129		11.385				ND	
84 Ethylene Dibromide	107		11.527				ND	
87 Chlorobenzene	112		11.859				ND	
88 Ethylbenzene	91		11.871				ND	
90 m-Xylene & p-Xylene	106		11.954				ND	
91 o-Xylene	106		12.298				ND	
92 Styrene	104		12.310				ND	
94 Isopropylbenzene	105		12.571				ND	
95 Bromoform	173		12.583				ND	
97 1,1,2,2-Tetrachloroethane	83		12.855				ND	
111 1,3-Dichlorobenzene	146		13.804				ND	
113 1,4-Dichlorobenzene	146		13.875				ND	
116 1,2-Dichlorobenzene	146		14.302				ND	
117 1,2-Dibromo-3-Chloropropan	75		15.180				ND	
119 1,2,4-Trichlorobenzene	180		16.223				ND	
S 124 Xylenes, Total	1		30.000				ND	

Reagents:

C_8260_IS_00085	Amount Added:	1.00	Units: uL	Run Reagent
C_8260_Surr_00092	Amount Added:	1.00	Units: uL	Run Reagent

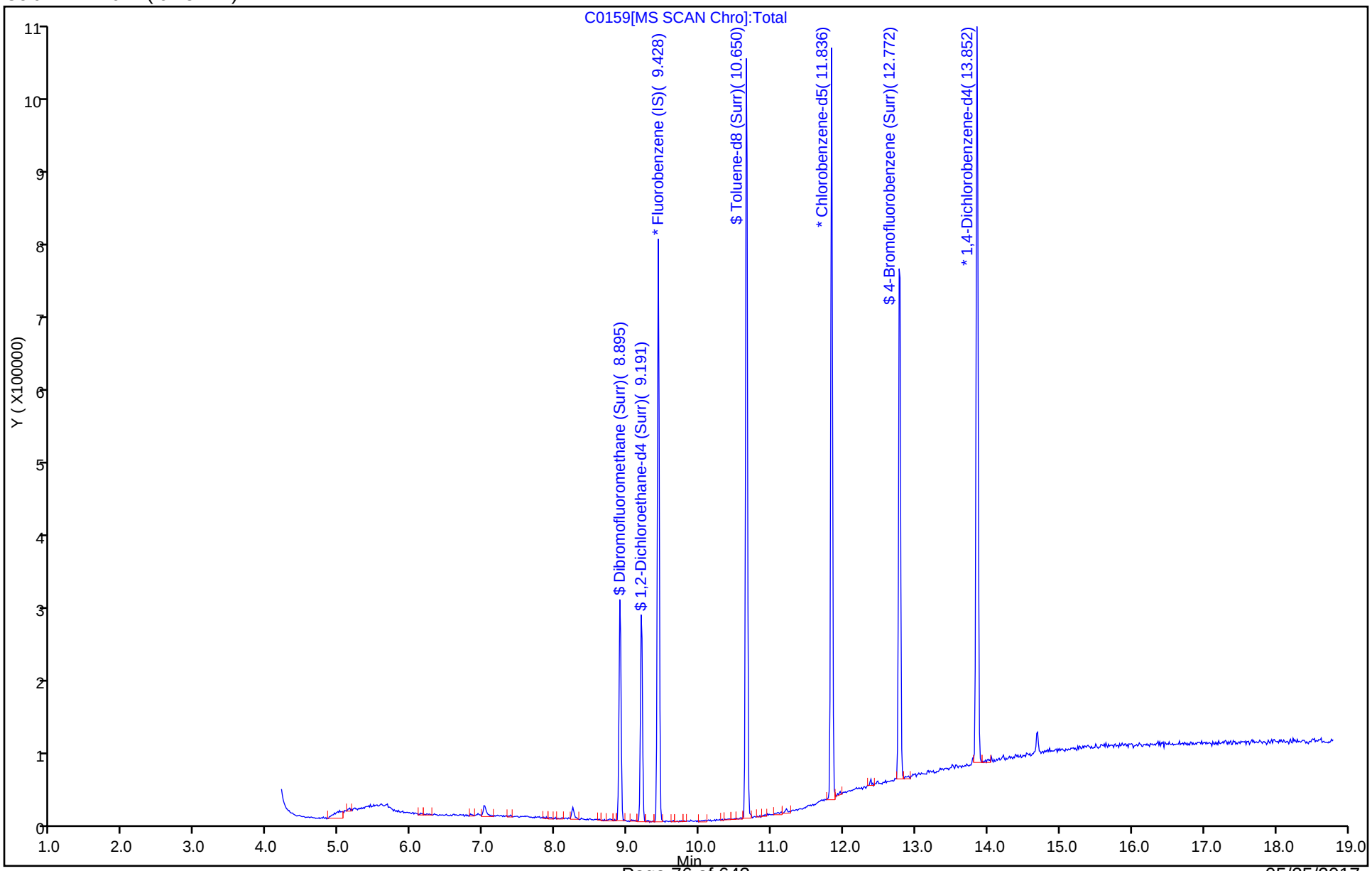
Report Date: 24-May-2017 09:52:08 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20170523-62738.b\C0159.D

Injection Date:	24-May-2017 04:07:30	Instrument ID:	HP5973C	Operator ID:	RR
Lims ID:	480-118149-C-4	Lab Sample ID:	480-118149-4	Worklist Smp#:	36
Client ID:	MW-7 20170516				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: MW-5R 20170516 | Lab Sample ID: 480-118149-5

Matrix: Water | Lab File ID: C0160.D

Analysis Method: 8260C | Date Collected: 05/16/2017 16:25

Sample wt/vol: 5(mL) | Date Analyzed: 05/24/2017 04:33

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 358793 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: MW-5R 20170516 | Lab Sample ID: 480-118149-5

Matrix: Water | Lab File ID: C0160.D

Analysis Method: 8260C | Date Collected: 05/16/2017 16:25

Sample wt/vol: 5(mL) | Date Analyzed: 05/24/2017 04:33

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 358793 | Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
2037-26-5	Toluene-d8 (Surr)	99		80-120
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20170523-62738.b\C0160.D
Lims ID: 480-118149-C-5
Client ID: MW-5R 20170516
Sample Type: Client
Inject. Date: 24-May-2017 04:33:30 ALS Bottle#: 16 Worklist Smp#: 37
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-118149-C-5
Misc. Info.: 480-0062738-037
Operator ID: RR Instrument ID: HP5973C

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20170523-62738.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 24-May-2017 09:53:15 Calib Date: 22-May-2017 22:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C0117.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: farrellr Date: 24-May-2017 09:53:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.428	9.428	0.000	100	124303	25.0	
* 2 Chlorobenzene-d5	82	11.836	11.835	0.001	83	305685	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.852	13.851	0.001	94	351476	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.895	8.895	0.000	94	179058	25.7	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.191	9.191	0.000	99	99935	25.6	
$ 5 Toluene-d8 (Surr)	98	10.650	10.650	0.000	92	747481	24.8	
$ 6 4-Bromofluorobenzene (Surr	174	12.784	12.784	0.000	97	260908	25.6	
10 Dichlorodifluoromethane	85		4.507				ND	
12 Chloromethane	50		4.910				ND	
13 Vinyl chloride	62		5.147				ND	
14 Bromomethane	94		5.740				ND	
15 Chloroethane	64		5.882				ND	
17 Trichlorofluoromethane	101		6.238				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		6.819				ND	
22 1,1-Dichloroethene	96		6.879				ND	
23 Acetone	43	6.926	6.926	0.000	67	6219	2.41	
26 Carbon disulfide	76		7.199				ND	
27 Methyl acetate	43		7.223				ND	
30 Methylene Chloride	84		7.389				ND	
32 Methyl tert-butyl ether	73		7.566				ND	
34 trans-1,2-Dichloroethene	96		7.626				ND	
39 1,1-Dichloroethane	63		8.029				ND	
43 2-Butanone (MEK)	43		8.480				ND	
45 cis-1,2-Dichloroethene	96		8.515				ND	
50 Chloroform	83		8.752				ND	
51 1,1,1-Trichloroethane	97		8.942				ND	
52 Cyclohexane	56		8.989				ND	
55 Carbon tetrachloride	117		9.072				ND	
57 Benzene	78		9.238				ND	
58 1,2-Dichloroethane	62		9.250				ND	
62 Trichloroethene	95		9.713				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		9.867				ND	
65 1,2-Dichloropropane	63		9.914				ND	
68 Dichlorobromomethane	83		10.116				ND	
72 cis-1,3-Dichloropropene	75		10.436				ND	
73 4-Methyl-2-pentanone (MIBK	43		10.472				ND	
74 Toluene	92		10.709				ND	
77 trans-1,3-Dichloropropene	75		10.839				ND	
79 1,1,2-Trichloroethane	83		11.029				ND	
80 2-Hexanone	43		11.112				ND	
81 Tetrachloroethene	166		11.160				ND	
83 Chlorodibromomethane	129		11.385				ND	
84 Ethylene Dibromide	107		11.527				ND	
87 Chlorobenzene	112		11.859				ND	
88 Ethylbenzene	91		11.871				ND	
90 m-Xylene & p-Xylene	106		11.954				ND	
91 o-Xylene	106		12.298				ND	
92 Styrene	104		12.310				ND	
94 Isopropylbenzene	105		12.571				ND	
95 Bromoform	173		12.583				ND	
97 1,1,2,2-Tetrachloroethane	83		12.855				ND	
111 1,3-Dichlorobenzene	146		13.804				ND	
113 1,4-Dichlorobenzene	146		13.875				ND	
116 1,2-Dichlorobenzene	146		14.302				ND	
117 1,2-Dibromo-3-Chloropropan	75		15.180				ND	
119 1,2,4-Trichlorobenzene	180		16.223				ND	
S 124 Xylenes, Total	1		30.000				ND	

Reagents:

C_8260_IS_00085	Amount Added:	1.00	Units: uL	Run Reagent
C_8260_Surr_00092	Amount Added:	1.00	Units: uL	Run Reagent

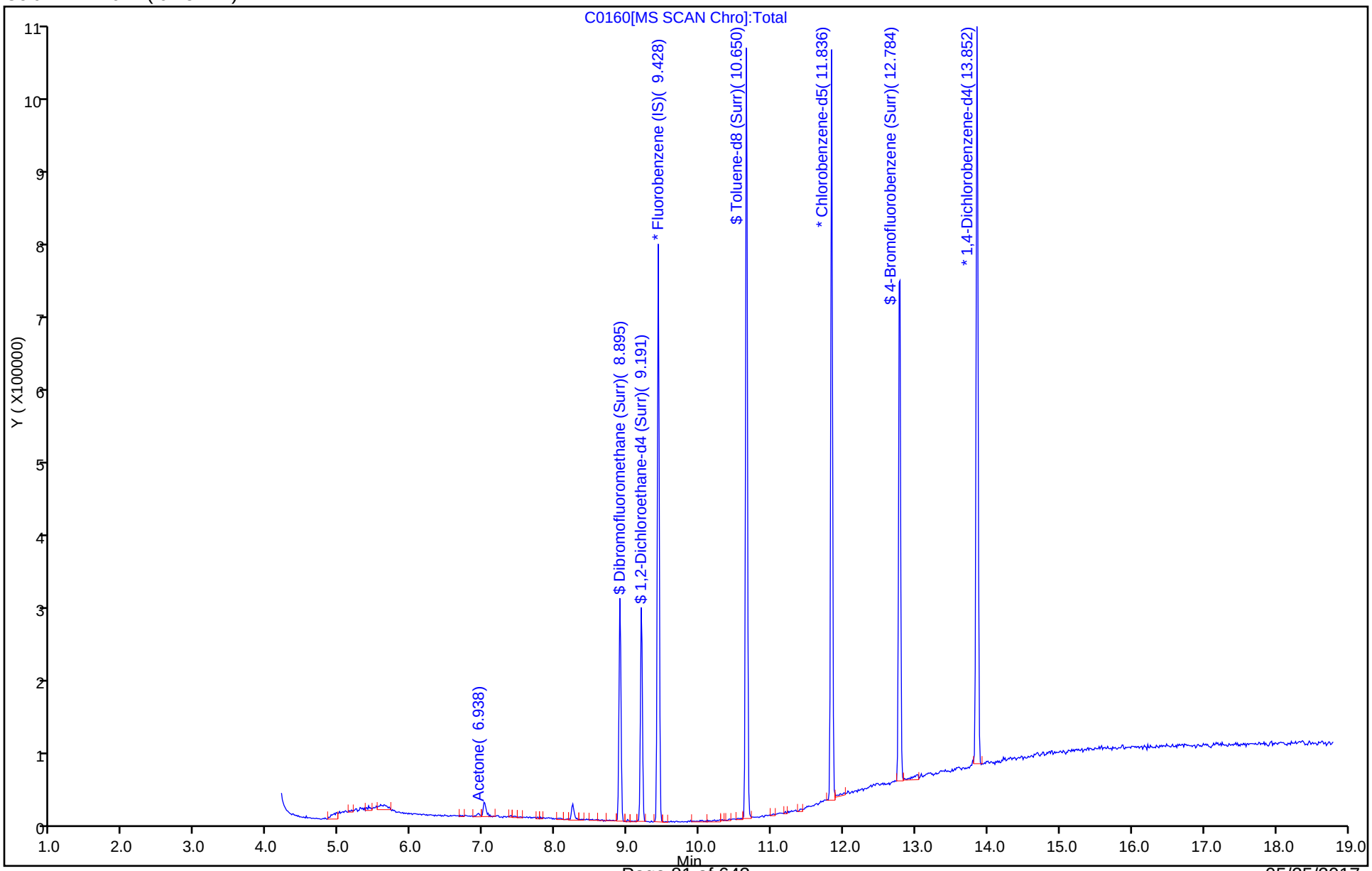
Report Date: 24-May-2017 09:53:15 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20170523-62738.b\C0160.D

Injection Date:	24-May-2017 04:33:30	Instrument ID:	HP5973C	Operator ID:	RR
Lims ID:	480-118149-C-5	Lab Sample ID:	480-118149-5	Worklist Smp#:	37
Client ID:	MW-5R 20170516				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: MW-6 20170517 | Lab Sample ID: 480-118149-6

Matrix: Water | Lab File ID: C0161.D

Analysis Method: 8260C | Date Collected: 05/17/2017 09:45

Sample wt/vol: 5(mL) | Date Analyzed: 05/24/2017 04:58

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 358793 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
591-78-6	2-Hexanone	ND		5.0	1.2
78-93-3	2-Butanone (MEK)	ND		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	3.1	J	10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: MW-6 20170517 | Lab Sample ID: 480-118149-6

Matrix: Water | Lab File ID: C0161.D

Analysis Method: 8260C | Date Collected: 05/17/2017 09:45

Sample wt/vol: 5(mL) | Date Analyzed: 05/24/2017 04:58

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 358793 | Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
2037-26-5	Toluene-d8 (Surr)	99		80-120
460-00-4	4-Bromofluorobenzene (Surr)	103		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20170523-62738.b\C0161.D
Lims ID: 480-118149-C-6
Client ID: MW-6 20170517
Sample Type: Client
Inject. Date: 24-May-2017 04:58:30 ALS Bottle#: 17 Worklist Smp#: 38
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-118149-C-6
Misc. Info.: 480-0062738-038
Operator ID: RR Instrument ID: HP5973C

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20170523-62738.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 24-May-2017 09:54:04 Calib Date: 22-May-2017 22:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C0117.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: farrellr Date: 24-May-2017 09:54:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.428	9.428	0.000	100	125275	25.0	
* 2 Chlorobenzene-d5	82	11.835	11.835	0.000	83	303850	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.851	13.851	0.000	94	347615	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.895	8.895	-0.001	93	177892	25.3	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.191	9.191	0.000	99	99933	25.4	
$ 5 Toluene-d8 (Surr)	98	10.650	10.650	0.000	92	741828	24.7	
$ 6 4-Bromofluorobenzene (Surr	174	12.784	12.784	0.000	97	261549	25.8	
10 Dichlorodifluoromethane	85		4.507				ND	
12 Chloromethane	50		4.910				ND	
13 Vinyl chloride	62		5.147				ND	
14 Bromomethane	94		5.740				ND	
15 Chloroethane	64		5.882				ND	
17 Trichlorofluoromethane	101		6.238				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		6.819				ND	
22 1,1-Dichloroethene	96		6.879				ND	
23 Acetone	43	6.926	6.926	0.000	71	8118	3.12	
26 Carbon disulfide	76		7.199				ND	
27 Methyl acetate	43		7.223				ND	
30 Methylene Chloride	84		7.389				ND	
32 Methyl tert-butyl ether	73		7.566				ND	
34 trans-1,2-Dichloroethene	96		7.626				ND	
39 1,1-Dichloroethane	63		8.029				ND	
43 2-Butanone (MEK)	43		8.480				ND	
45 cis-1,2-Dichloroethene	96		8.515				ND	
50 Chloroform	83		8.752				ND	
51 1,1,1-Trichloroethane	97		8.942				ND	
52 Cyclohexane	56		8.989				ND	
55 Carbon tetrachloride	117		9.072				ND	
57 Benzene	78		9.238				ND	
58 1,2-Dichloroethane	62		9.250				ND	
62 Trichloroethene	95		9.713				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		9.867				ND	
65 1,2-Dichloropropane	63		9.914				ND	
68 Dichlorobromomethane	83		10.116				ND	
72 cis-1,3-Dichloropropene	75		10.436				ND	
73 4-Methyl-2-pentanone (MIBK	43		10.472				ND	
74 Toluene	92		10.709				ND	
77 trans-1,3-Dichloropropene	75		10.839				ND	
79 1,1,2-Trichloroethane	83		11.029				ND	
80 2-Hexanone	43		11.112				ND	
81 Tetrachloroethene	166		11.160				ND	
83 Chlorodibromomethane	129		11.385				ND	
84 Ethylene Dibromide	107		11.527				ND	
87 Chlorobenzene	112		11.859				ND	
88 Ethylbenzene	91		11.871				ND	
90 m-Xylene & p-Xylene	106		11.954				ND	
91 o-Xylene	106		12.298				ND	
92 Styrene	104		12.310				ND	
94 Isopropylbenzene	105		12.571				ND	
95 Bromoform	173		12.583				ND	
97 1,1,2,2-Tetrachloroethane	83		12.855				ND	
111 1,3-Dichlorobenzene	146		13.804				ND	
113 1,4-Dichlorobenzene	146		13.875				ND	
116 1,2-Dichlorobenzene	146		14.302				ND	
117 1,2-Dibromo-3-Chloropropan	75		15.180				ND	
119 1,2,4-Trichlorobenzene	180		16.223				ND	
S 124 Xylenes, Total	1		30.000				ND	

Reagents:

C_8260_IS_00085	Amount Added: 1.00	Units: uL	Run Reagent
C_8260_Surr_00092	Amount Added: 1.00	Units: uL	Run Reagent

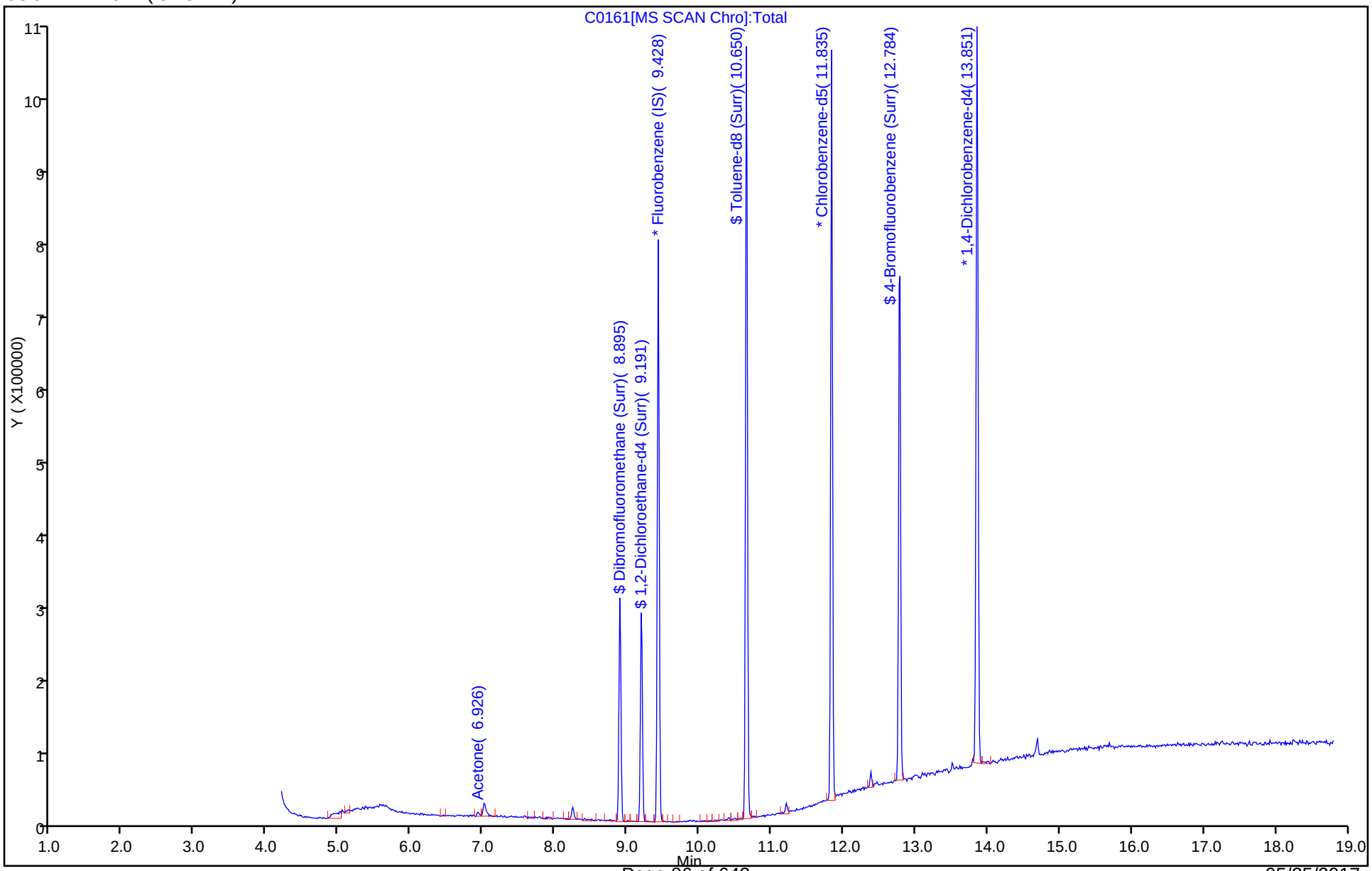
Report Date: 24-May-2017 09:54:05 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20170523-62738.b\C0161.D

Injection Date:	24-May-2017 04:58:30	Instrument ID:	HP5973C	Operator ID:	RR
Lims ID:	480-118149-C-6	Lab Sample ID:	480-118149-6	Worklist Smp#:	38
Client ID:	MW-6 20170517				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

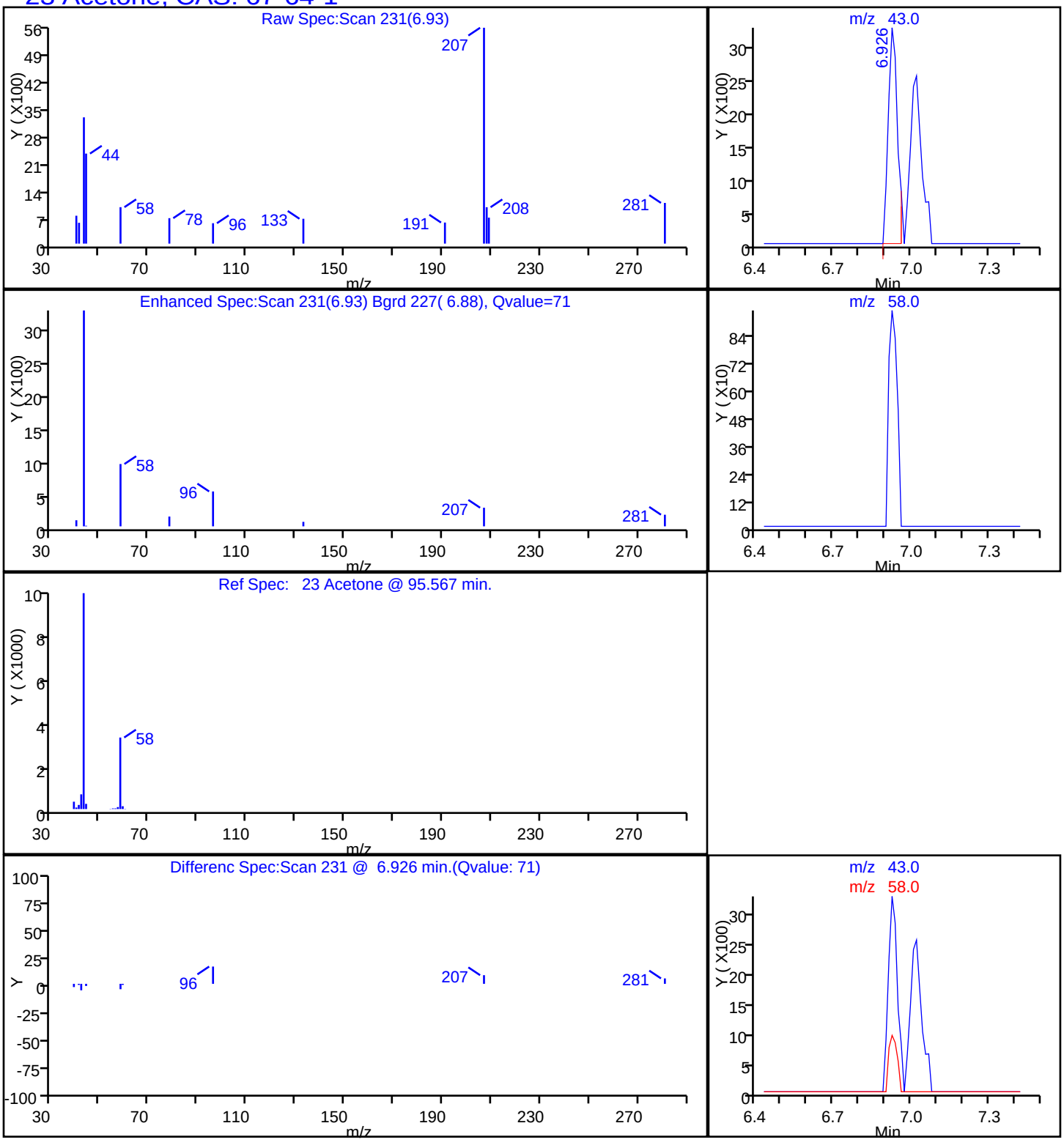
Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973C\20170523-62738.b\C0161.D				
Injection Date:	24-May-2017 04:58:30	Instrument ID:	HP5973C		
Lims ID:	480-118149-C-6	Lab Sample ID:	480-118149-6		
Client ID:	MW-6 20170517				
Operator ID:	RR	ALS Bottle#:	17	Worklist Smp#:	38
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

23 Acetone, CAS: 67-64-1



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: FB-01-20170517 | Lab Sample ID: 480-118149-7

Matrix: Water | Lab File ID: C0162.D

Analysis Method: 8260C | Date Collected: 05/17/2017 10:15

Sample wt/vol: 5(mL) | Date Analyzed: 05/24/2017 05:23

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 358793 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
591-78-6	2-Hexanone	ND		5.0	1.2
78-93-3	2-Butanone (MEK)	ND		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	4.1	J	10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: FB-01-20170517 | Lab Sample ID: 480-118149-7

Matrix: Water | Lab File ID: C0162.D

Analysis Method: 8260C | Date Collected: 05/17/2017 10:15

Sample wt/vol: 5(mL) | Date Analyzed: 05/24/2017 05:23

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 358793 | Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		77-120
2037-26-5	Toluene-d8 (Surr)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	103		73-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20170523-62738.b\C0162.D
Lims ID: 480-118149-C-7
Client ID: FB-01-20170517
Sample Type: Client
Inject. Date: 24-May-2017 05:23:30 ALS Bottle#: 18 Worklist Smp#: 39
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-118149-C-7
Misc. Info.: 480-0062738-039
Operator ID: RR Instrument ID: HP5973C

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20170523-62738.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 24-May-2017 09:55:02 Calib Date: 22-May-2017 22:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C0117.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: farrellr Date: 24-May-2017 09:55:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.428	9.428	0.000	100	124007	25.0	
* 2 Chlorobenzene-d5	82	11.836	11.835	0.001	83	301034	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.852	13.851	0.001	93	349646	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.895	8.895	0.000	94	176968	25.4	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.191	9.191	0.000	99	100107	25.7	
$ 5 Toluene-d8 (Surr)	98	10.650	10.650	0.000	92	744211	25.0	
$ 6 4-Bromofluorobenzene (Surr	174	12.784	12.784	0.000	97	257316	25.6	
10 Dichlorodifluoromethane	85		4.507				ND	
12 Chloromethane	50		4.910				ND	
13 Vinyl chloride	62		5.147				ND	
14 Bromomethane	94		5.740				ND	
15 Chloroethane	64		5.882				ND	
17 Trichlorofluoromethane	101		6.238				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		6.819				ND	
22 1,1-Dichloroethene	96		6.879				ND	
23 Acetone	43	6.926	6.926	0.000	67	10621	4.13	
26 Carbon disulfide	76		7.199				ND	
27 Methyl acetate	43		7.223				ND	
30 Methylene Chloride	84		7.389				ND	
32 Methyl tert-butyl ether	73		7.566				ND	
34 trans-1,2-Dichloroethene	96		7.626				ND	
39 1,1-Dichloroethane	63		8.029				ND	
43 2-Butanone (MEK)	43		8.480				ND	
45 cis-1,2-Dichloroethene	96		8.515				ND	
50 Chloroform	83		8.752				ND	
51 1,1,1-Trichloroethane	97		8.942				ND	
52 Cyclohexane	56		8.989				ND	
55 Carbon tetrachloride	117		9.072				ND	
57 Benzene	78		9.238				ND	
58 1,2-Dichloroethane	62		9.250				ND	
62 Trichloroethene	95		9.713				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		9.867				ND	
65 1,2-Dichloropropane	63		9.914				ND	
68 Dichlorobromomethane	83		10.116				ND	
72 cis-1,3-Dichloropropene	75		10.436				ND	
73 4-Methyl-2-pentanone (MIBK	43		10.472				ND	
74 Toluene	92		10.709				ND	
77 trans-1,3-Dichloropropene	75		10.839				ND	
79 1,1,2-Trichloroethane	83		11.029				ND	
80 2-Hexanone	43		11.112				ND	
81 Tetrachloroethene	166		11.160				ND	
83 Chlorodibromomethane	129		11.385				ND	
84 Ethylene Dibromide	107		11.527				ND	
87 Chlorobenzene	112		11.859				ND	
88 Ethylbenzene	91		11.871				ND	
90 m-Xylene & p-Xylene	106		11.954				ND	
91 o-Xylene	106		12.298				ND	
92 Styrene	104		12.310				ND	
94 Isopropylbenzene	105		12.571				ND	
95 Bromoform	173		12.583				ND	
97 1,1,2,2-Tetrachloroethane	83		12.855				ND	
111 1,3-Dichlorobenzene	146		13.804				ND	
113 1,4-Dichlorobenzene	146		13.875				ND	
116 1,2-Dichlorobenzene	146		14.302				ND	
117 1,2-Dibromo-3-Chloropropan	75		15.180				ND	
119 1,2,4-Trichlorobenzene	180		16.223				ND	
S 124 Xylenes, Total	1		30.000				ND	

Reagents:

C_8260_IS_00085	Amount Added:	1.00	Units: uL	Run Reagent
C_8260_Surr_00092	Amount Added:	1.00	Units: uL	Run Reagent

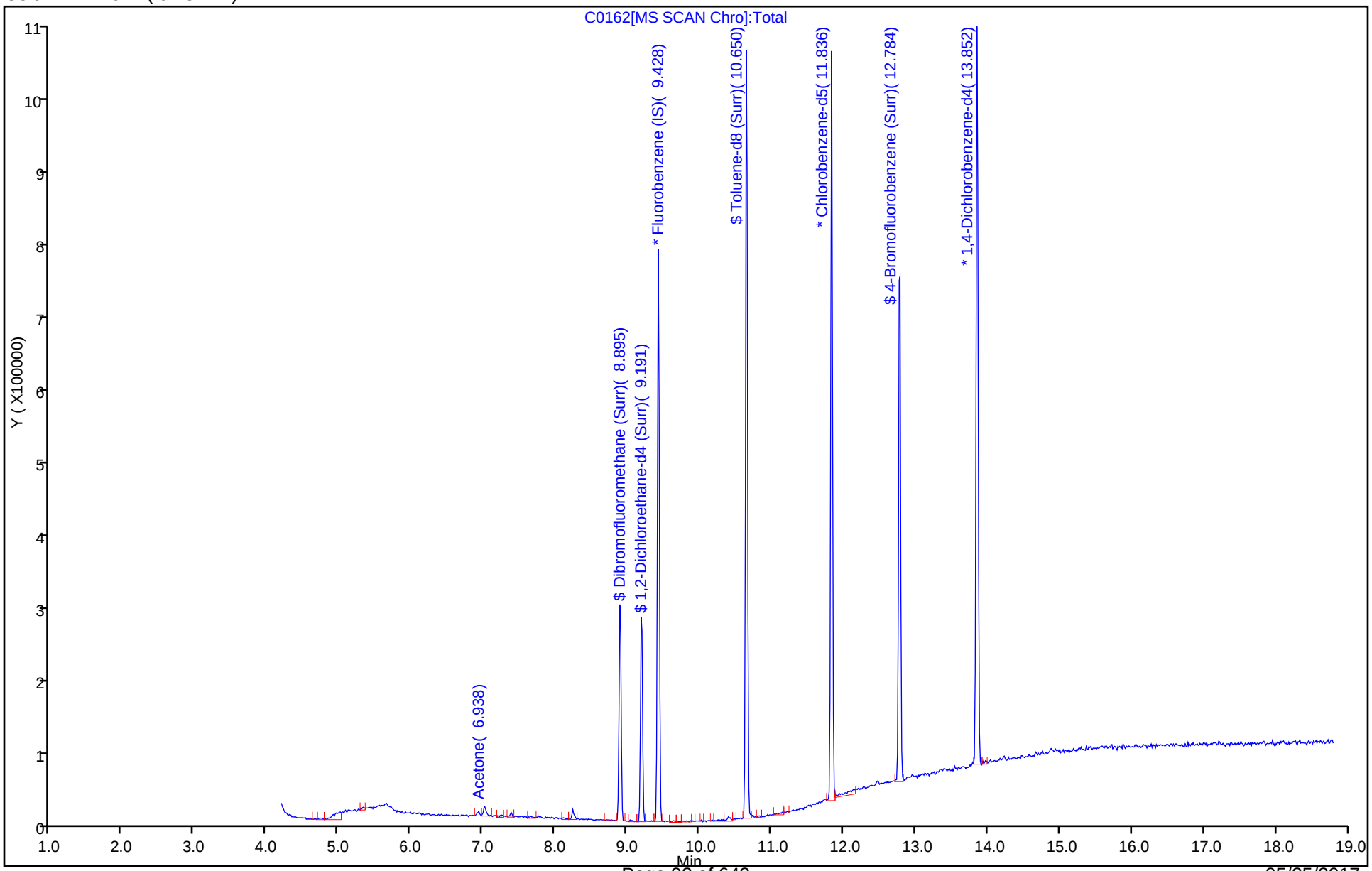
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TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20170523-62738.b\C0162.D

Injection Date:	24-May-2017 05:23:30	Instrument ID:	HP5973C	Operator ID:	RR
Lims ID:	480-118149-C-7	Lab Sample ID:	480-118149-7	Worklist Smp#:	39
Client ID:	FB-01-20170517				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)

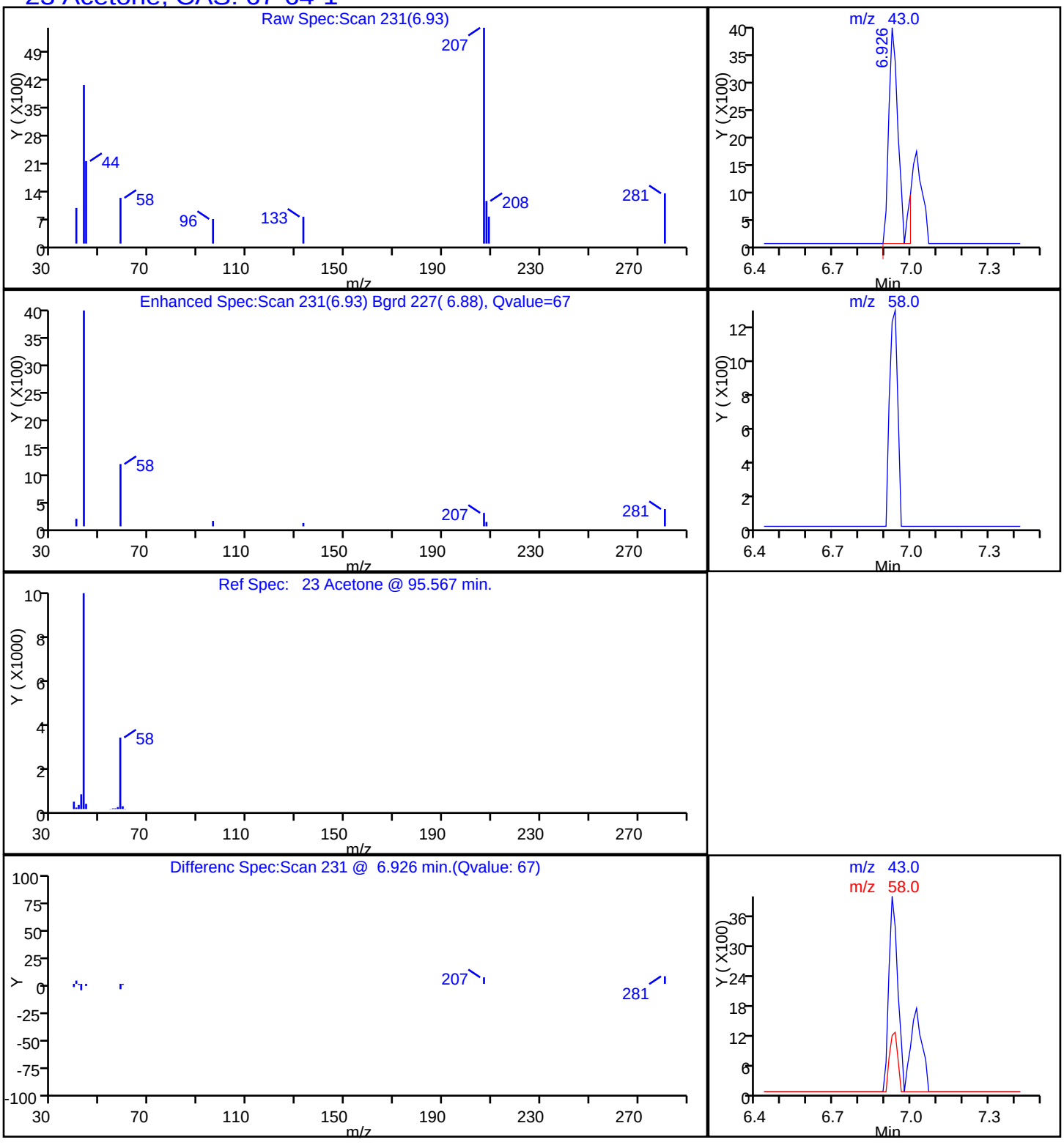


TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20170523-62738.b\C0162.D

Injection Date:	24-May-2017 05:23:30	Instrument ID:	HP5973C		
Lims ID:	480-118149-C-7	Lab Sample ID:	480-118149-7		
Client ID:	FB-01-20170517				
Operator ID:	RR	ALS Bottle#:	18	Worklist Smp#:	39
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	C-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

23 Acetone, CAS: 67-64-1



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: FD-01-20170515 | Lab Sample ID: 480-118149-8

Matrix: Water | Lab File ID: C0163.D

Analysis Method: 8260C | Date Collected: 05/15/2017 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 05/24/2017 05:49

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 358793 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: FD-01-20170515 | Lab Sample ID: 480-118149-8

Matrix: Water | Lab File ID: C0163.D

Analysis Method: 8260C | Date Collected: 05/15/2017 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 05/24/2017 05:49

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 358793 | Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
2037-26-5	Toluene-d8 (Surr)	98		80-120
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
1868-53-7	Dibromofluoromethane (Surr)	100		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20170523-62738.b\C0163.D
Lims ID: 480-118149-C-8
Client ID: FD-01-20170515
Sample Type: Client
Inject. Date: 24-May-2017 05:49:30 ALS Bottle#: 19 Worklist Smp#: 40
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-118149-C-8
Misc. Info.: 480-0062738-040
Operator ID: RR Instrument ID: HP5973C

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20170523-62738.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 24-May-2017 09:56:48 Calib Date: 22-May-2017 22:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C0117.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: farrellr Date: 24-May-2017 09:56:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	9.428	9.428	0.000	100	126967	25.0	
* 2 Chlorobenzene-d5	82	11.836	11.835	0.001	83	303956	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.851	13.851	0.000	94	348543	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.895	8.895	0.000	93	178611	25.1	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.191	9.191	0.000	99	101796	25.5	
$ 5 Toluene-d8 (Surr)	98	10.650	10.650	0.000	92	733117	24.4	
$ 6 4-Bromofluorobenzene (Surr	174	12.784	12.784	0.000	97	256986	25.4	
10 Dichlorodifluoromethane	85		4.507				ND	
12 Chloromethane	50		4.910				ND	
13 Vinyl chloride	62		5.147				ND	
14 Bromomethane	94		5.740				ND	
15 Chloroethane	64		5.882				ND	
17 Trichlorofluoromethane	101		6.238				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		6.819				ND	
22 1,1-Dichloroethene	96		6.879				ND	
23 Acetone	43	6.926	6.926	0.000	79	6370	2.42	
26 Carbon disulfide	76		7.199				ND	
27 Methyl acetate	43		7.223				ND	
30 Methylene Chloride	84		7.389				ND	
32 Methyl tert-butyl ether	73		7.566				ND	
34 trans-1,2-Dichloroethene	96		7.626				ND	
39 1,1-Dichloroethane	63		8.029				ND	
43 2-Butanone (MEK)	43		8.480				ND	
45 cis-1,2-Dichloroethene	96		8.515				ND	
50 Chloroform	83	8.752	8.752	0.000	84	4017	0.2056	
51 1,1,1-Trichloroethane	97		8.942				ND	
52 Cyclohexane	56		8.989				ND	
55 Carbon tetrachloride	117		9.072				ND	
57 Benzene	78		9.238				ND	
58 1,2-Dichloroethane	62		9.250				ND	
62 Trichloroethene	95		9.713				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		9.867				ND	
65 1,2-Dichloropropane	63		9.914				ND	
68 Dichlorobromomethane	83		10.116				ND	
72 cis-1,3-Dichloropropene	75		10.436				ND	
73 4-Methyl-2-pentanone (MIBK	43		10.472				ND	
74 Toluene	92		10.709				ND	
77 trans-1,3-Dichloropropene	75		10.839				ND	
79 1,1,2-Trichloroethane	83		11.029				ND	
80 2-Hexanone	43		11.112				ND	
81 Tetrachloroethene	166		11.160				ND	
83 Chlorodibromomethane	129		11.385				ND	
84 Ethylene Dibromide	107		11.527				ND	
87 Chlorobenzene	112		11.859				ND	
88 Ethylbenzene	91		11.871				ND	
90 m-Xylene & p-Xylene	106		11.954				ND	
91 o-Xylene	106		12.298				ND	
92 Styrene	104		12.310				ND	
94 Isopropylbenzene	105		12.571				ND	
95 Bromoform	173		12.583				ND	
97 1,1,2,2-Tetrachloroethane	83		12.855				ND	
111 1,3-Dichlorobenzene	146		13.804				ND	
113 1,4-Dichlorobenzene	146		13.875				ND	
116 1,2-Dichlorobenzene	146		14.302				ND	
117 1,2-Dibromo-3-Chloropropan	75		15.180				ND	
119 1,2,4-Trichlorobenzene	180		16.223				ND	
S 124 Xylenes, Total	1		30.000				ND	

Reagents:

C_8260_IS_00085	Amount Added: 1.00	Units: uL	Run Reagent
C_8260_Surr_00092	Amount Added: 1.00	Units: uL	Run Reagent

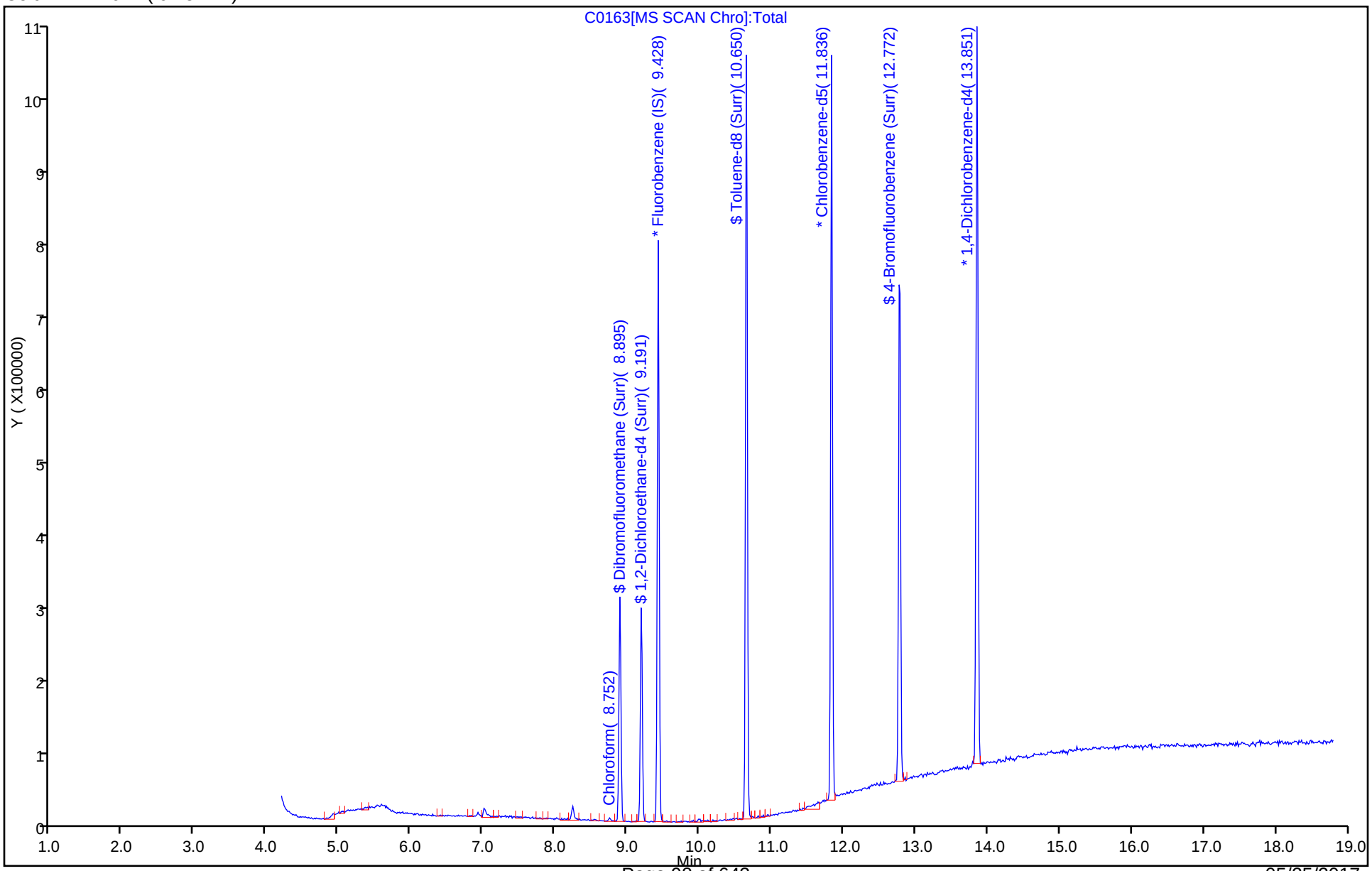
Report Date: 24-May-2017 09:56:48 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20170523-62738.b\C0163.D

Injection Date:	24-May-2017 05:49:30	Instrument ID:	HP5973C	Operator ID:	RR
Lims ID:	480-118149-C-8	Lab Sample ID:	480-118149-8	Worklist Smp#:	40
Client ID:	FD-01-20170515				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: TRIP BLANK | Lab Sample ID: 480-118149-9

Matrix: Water | Lab File ID: S6756.D

Analysis Method: 8260C | Date Collected: 05/05/2017 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 05/18/2017 07:16

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.: 357930 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: TRIP BLANK | Lab Sample ID: 480-118149-9

Matrix: Water | Lab File ID: S6756.D

Analysis Method: 8260C | Date Collected: 05/05/2017 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 05/18/2017 07:16

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.: 357930 | Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		77-120
2037-26-5	Toluene-d8 (Surr)	98		80-120
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
1868-53-7	Dibromofluoromethane (Surr)	99		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20170517-62599.b\S6756.D
Lims ID: 480-118149-A-9
Client ID: TRIP BLANK
Sample Type: Client
Inject. Date: 18-May-2017 07:16:30 ALS Bottle#: 25 Worklist Smp#: 30
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-118149-A-9
Misc. Info.: 480-0062599-030
Operator ID: AS Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20170517-62599.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 18-May-2017 09:45:02 Calib Date: 16-May-2017 05:55:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20170515-62534.b\S6652.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK023

First Level Reviewer: archern Date: 18-May-2017 09:45:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.546	5.546	0.000	98	136251	25.0	
* 2 Chlorobenzene-d5	82	8.552	8.551	0.001	85	269866	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.924	10.924	0.000	96	257100	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.956	4.956	0.000	57	166208	24.8	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.267	5.266	0.001	0	108478	26.3	
$ 5 Toluene-d8 (Surr)	98	7.067	7.067	0.000	93	653954	24.6	
$ 6 4-Bromofluorobenzene (Surr	174	9.799	9.799	0.000	89	194144	24.1	
10 Dichlorodifluoromethane	85		1.306				ND	
12 Chloromethane	50		1.464				ND	
13 Vinyl chloride	62		1.574				ND	
14 Bromomethane	94		1.884				ND	
15 Chloroethane	64		2.006				ND	
17 Trichlorofluoromethane	101		2.261				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.754				ND	
22 1,1-Dichloroethene	96		2.760				ND	
23 Acetone	43	2.864	2.864	0.001	70	4976	2.34	
26 Carbon disulfide	76		2.985				ND	
27 Methyl acetate	43		3.168				ND	
30 Methylene Chloride	84		3.295				ND	
32 Methyl tert-butyl ether	73		3.490				ND	
34 trans-1,2-Dichloroethene	96		3.502				ND	
39 1,1-Dichloroethane	63		3.928				ND	
45 cis-1,2-Dichloroethene	96		4.488				ND	
43 2-Butanone (MEK)	43		4.518				ND	
50 Chloroform	83		4.798				ND	
51 1,1,1-Trichloroethane	97		4.926				ND	
52 Cyclohexane	56		4.938				ND	
55 Carbon tetrachloride	117		5.060				ND	
57 Benzene	78		5.279				ND	
58 1,2-Dichloroethane	62		5.339				ND	
62 Trichloroethene	95		5.893				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		6.021				ND	
65 1,2-Dichloropropane	63		6.130				ND	
68 Dichlorobromomethane	83		6.416				ND	
72 cis-1,3-Dichloropropene	75		6.842				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.982				ND	
74 Toluene	92		7.134				ND	
77 trans-1,3-Dichloropropene	75		7.402				ND	
79 1,1,2-Trichloroethane	83		7.590				ND	
81 Tetrachloroethene	166		7.669				ND	
80 2-Hexanone	43		7.822				ND	
83 Chlorodibromomethane	129		7.992				ND	
84 Ethylene Dibromide	107		8.101				ND	
87 Chlorobenzene	112		8.582				ND	
88 Ethylbenzene	91		8.673				ND	
90 m-Xylene & p-Xylene	106		8.795				ND	
91 o-Xylene	106		9.221				ND	
92 Styrene	104		9.251				ND	
95 Bromoform	173		9.494				ND	
94 Isopropylbenzene	105		9.604				ND	
97 1,1,2,2-Tetrachloroethane	83		9.993				ND	
111 1,3-Dichlorobenzene	146		10.857				ND	
113 1,4-Dichlorobenzene	146		10.948				ND	
116 1,2-Dichlorobenzene	146		11.295				ND	
117 1,2-Dibromo-3-Chloropropan	75		12.019				ND	
119 1,2,4-Trichlorobenzene	180		12.694				ND	
S 124 Xylenes, Total	1		30.000				ND	

Reagents:

S_8260_IS_00230	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00198	Amount Added:	1.00	Units: uL	Run Reagent

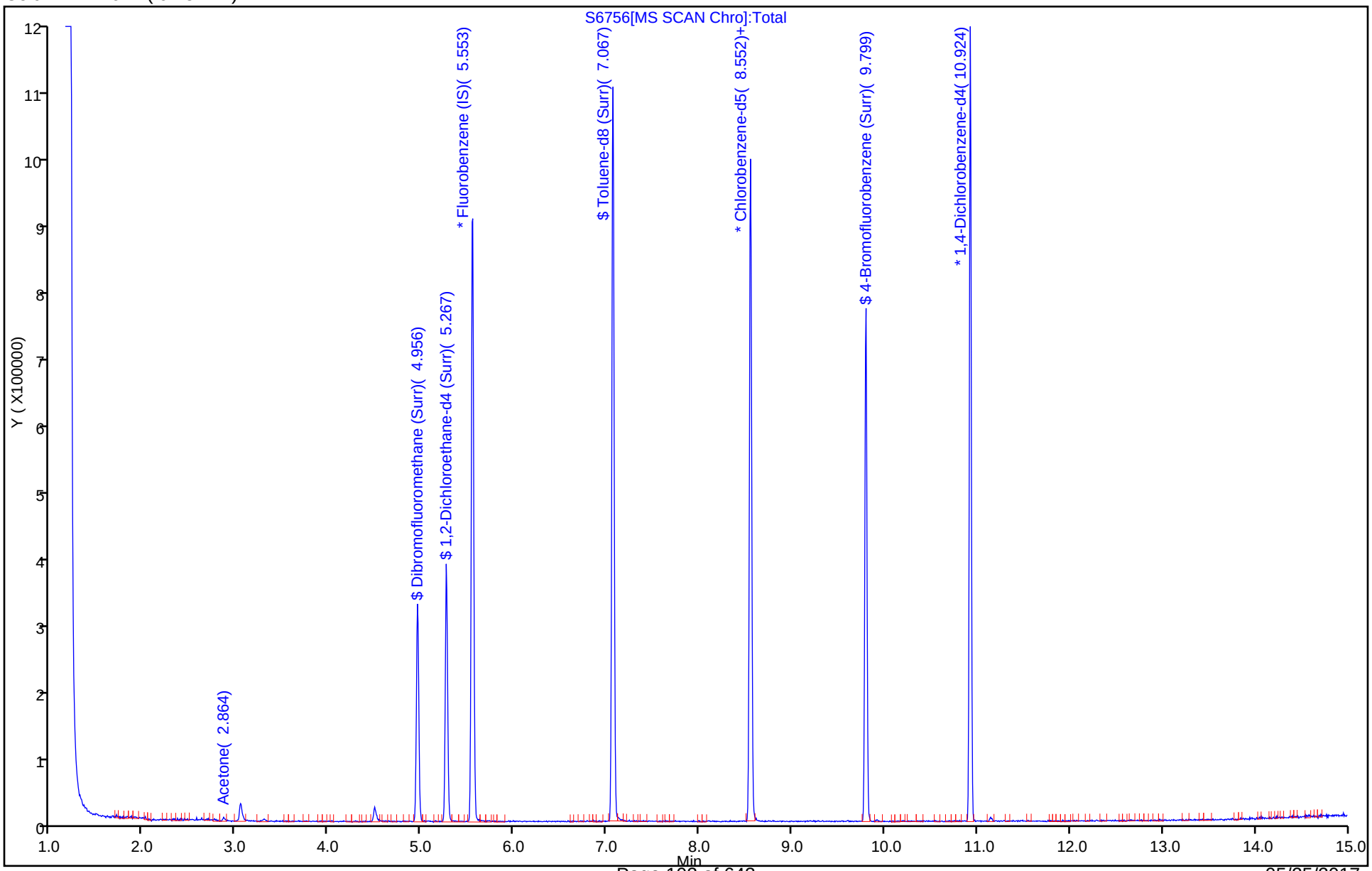
Report Date: 18-May-2017 09:45:11 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20170517-62599.b\S6756.D

Injection Date:	18-May-2017 07:16:30	Instrument ID:	HP5973S	Operator ID:	AS
Lims ID:	480-118149-A-9	Lab Sample ID:	480-118149-9	Worklist Smp#:	30
Client ID:	TRIP BLANK				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



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

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1 Analy Batch No.: 358504

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/22/2017 14:55 Calibration End Date: 05/22/2017 17:51 Calibration ID: 30612

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-358504/8	C0099.D
Level 2	IC 480-358504/9	C0100.D
Level 3	IC 480-358504/10	C0101.D
Level 4	IC 480-358504/11	C0102.D
Level 5	IC 480-358504/12	C0103.D
Level 6	ICIS 480-358504/13	C0104.D
Level 7	IC 480-358504/14	C0105.D
Level 8	IC 480-358504/15	C0106.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	+++++ 2.4427	2.2293 2.1871	2.0414 2.1800	2.4659	2.5975	Ave		2.3063			0.1000	8.6		20.0			
Chloromethane	+++++ 1.5038	1.3892 1.4243	1.7113 1.4588	1.5546	1.6044	Ave		1.5209			0.1000	7.4		20.0			
Vinyl chloride	1.3305 1.3817	1.4312 1.2815	1.2301 1.3350	1.3428	1.4251	Ave		1.3447			0.1000	5.1		20.0			
Butadiene	+++++ 1.1778	1.1731 1.0649	1.0793 1.0850	1.1800	1.2250	Ave		1.1408				5.5		20.0			
Bromomethane	+++++ 1.7166	1.8941 1.6706	1.6961 1.7586	1.7629	1.7984	Ave		1.7567			0.1000	4.2		20.0			
Chloroethane	1.4153 1.4829	1.5310 1.4038	1.4496 1.4409	1.5070	1.5367	Ave		1.4709			0.1000	3.5		20.0			
Dichlorofluoromethane	3.5440 3.4527	3.5977 3.3247	3.2353 3.3710	3.5030	3.6422	Ave		3.4588				4.1		20.0			
Trichlorofluoromethane	3.0540 3.4804	3.3558 3.1566	3.0632 3.1472	3.5009	3.7353	Ave		3.3117			0.1000	7.4		20.0			
Ethyl ether	1.5584 1.7013	1.8381 1.7149	1.7120 1.7370	1.6748	1.7351	Ave		1.7090				4.5		20.0			
Acrolein	+++++ 0.2778	0.2675 0.2856	0.2293 0.2951	0.2597	0.2749	Ave		0.2700				7.9		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 2.0165	2.0879 1.6347	1.9126 1.7976	2.0514	2.1544	Ave		1.9507			0.1000	9.3		20.0			
1,1-Dichloroethene	2.0534 2.0605	1.9608 1.7522	1.8519 1.9010	2.0684	2.2090	Ave		1.9822			0.1000	7.3		20.0			
Acetone	+++++ 0.5049	0.5780 0.5013	0.5192 0.5086	0.5076	0.5140	Ave		0.5191			0.1000	5.1		20.0			
Iodomethane	+++++ 3.8797	3.9368 3.6663	3.6245 3.8167	3.7702	3.9969	Ave		3.8130				3.6		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: TestAmerica Buffalo Job No.: 480-118149-1 Analy Batch No.: 358504

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/22/2017 14:55 Calibration End Date: 05/22/2017 17:51 Calibration ID: 30612

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								
Carbon disulfide	+++++ 7.0306	7.0966 6.2740	6.4623 6.7450	6.8892	7.1387	Ave		6.8052			0.1000	4.9		20.0			
Methyl acetate	1.2501 1.3475	1.4321 1.3318	1.3241 1.3133	1.3344	1.3849	Ave		1.3398			0.1000	4.0		20.0			
Allyl chloride	3.2322 2.9879	3.1170 2.7421	3.2601 2.8250	3.1933	3.1044	Ave		3.0577				6.2		20.0			
Methylene Chloride	+++++ 2.2216	3.3778 2.1074	2.6307 2.1429	2.3700	2.3700	Lin1	1.2433	2.1279			0.1000				1.0000		0.9900
2-Methyl-2-propanol	0.2136 0.2404	0.2424 0.2389	0.2207 0.2501	0.2273	0.2387	Ave		0.2340				5.2		20.0			
Methyl tert-butyl ether	5.8285 5.8003	6.3547 5.7947	5.8344 5.8674	5.7882	5.9842	Ave		5.9065			0.1000	3.2		20.0			
Acrylonitrile	0.6378 0.7189	0.7478 0.7112	0.6995 0.6920	0.7194	0.7478	Ave		0.7093				5.0		20.0			
trans-1,2-Dichloroethene	+++++ 2.2893	2.9704 2.0250	2.5831 2.1056	2.4745	2.4837	Ave		2.4188			0.1000	13.2		20.0			
Hexane	+++++ 2.7909	3.0808 2.2352	2.7013 2.4643	2.9804	3.0590	Ave		2.7588				11.5		20.0			
Vinyl acetate	+++++ 3.8227	3.6857 3.8552	3.4583 3.8363	3.5748	3.8132	Ave		3.7209				4.1		20.0			
1,1-Dichloroethane	+++++ 3.5345	3.8064 3.2795	3.4536 3.3587	3.6141	3.6799	Ave		3.5324			0.2000	5.2		20.0			
2-Butanone (MEK)	0.8134 0.8656	0.8937 0.8649	0.8150 0.8796	0.8527	0.8888	Ave		0.8592			0.1000	3.6		20.0			
cis-1,2-Dichloroethene	3.1337 2.6449	2.9984 2.4894	2.7070 2.5276	2.7345	2.7970	Ave		2.7541			0.1000	8.0		20.0			
2,2-Dichloropropane	3.3174 2.9280	3.5060 2.5873	3.0426 2.6763	2.9873	3.1005	Ave		3.0182				10.1		20.0			
Chlorobromomethane	+++++ 1.3547	1.3706 1.3324	1.2956 1.3531	1.3058	1.3945	Ave		1.3438				2.6		20.0			
Chloroform	4.1766 3.7016	4.3289 3.5056	3.8474 3.5906	3.7522	3.8683	Ave		3.8464			0.2000	7.3		20.0			
Tetrahydrofuran	0.6940 0.5753	0.6873 0.5894	0.6263 0.5861	0.5959	0.6030	Ave		0.6197				7.5		20.0			
1,1,1-Trichloroethane	+++++ 3.2854	3.2970 2.8932	3.2097 3.0857	3.2500	3.4444	Ave		3.2093			0.1000	5.5		20.0			
Cyclohexane	+++++ 3.7402	4.0310 3.0195	3.5523 3.3264	3.8094	4.0275	Ave		3.6438			0.1000	10.2		20.0			
Isobutyl alcohol	+++++ 0.1114	0.1134 0.1081	0.1040 0.1145	0.1030	0.1083	Ave		0.1090				4.1		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: TestAmerica Buffalo Job No.: 480-118149-1 Analy Batch No.: 358504

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/22/2017 14:55 Calibration End Date: 05/22/2017 17:51 Calibration ID: 30612

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-Dichloropropene	2.3611 2.7779	2.9706 2.3691	2.5881 2.5466	2.8488	2.8839	Ave		2.6683				8.8		20.0			
Carbon tetrachloride	+++++ 3.0336	2.9905 2.5990	2.7648 2.8153	2.9292	3.1152	Ave		2.8925			0.1000	6.1		20.0			
Benzene	8.1924 8.5385	9.4627 7.8996	8.3962 8.1128	8.7950	8.9603	Ave		8.5447			0.5000	6.0		20.0			
1,2-Dichloroethane	2.7002 2.7149	2.9548 2.6490	2.7462 2.6349	2.7329	2.8426	Ave		2.7470			0.1000	3.8		20.0			
n-Heptane	+++++ 2.6088	3.3115 2.0782	2.7710 2.2643	2.8233	2.8845	Ave		2.6774				15.3		20.0			
Trichloroethene	+++++ 2.3045	2.3689 2.1075	2.2836 2.2307	2.3141	2.4051	Ave		2.2878			0.2000	4.3		20.0			
Methylcyclohexane	+++++ 3.6385	3.5922 2.9780	3.2933 3.3442	3.7305	3.8797	Ave		3.4938			0.1000	8.8		20.0			
1,2-Dichloropropane	1.9454 2.1886	2.1264 2.1090	2.1343 2.1519	2.1335	2.2556	Ave		2.1306			0.1000	4.1		20.0			
1,4-Dioxane	+++++ 0.0111	0.0082 0.0110	0.0097 0.0114	0.0100	0.0104	Ave		0.0103				10.6		20.0			
Dibromomethane	+++++ 1.3892	1.3563 1.3859	1.3357 1.3965	1.3482	1.4134	Ave		1.3750			0.1000	2.1		20.0			
Bromodichloromethane	+++++ 2.6134	2.4482 2.6103	2.3123 2.7624	2.4626	2.5884	Ave		2.5425			0.2000	5.8		20.0			
2-Chloroethyl vinyl ether	+++++ 1.3552	1.3100 1.4051	1.1445 1.4510	1.2564	1.3250	Ave		1.3210				7.6		20.0			
cis-1,3-Dichloropropene	+++++ 3.5319	3.3854 3.5056	3.2077 3.6278	3.3249	3.5506	Ave		3.4477			0.2000	4.3		20.0			
4-Methyl-2-pentanone (MIBK)	+++++ 0.8153	0.7719 0.8115	0.7416 0.7956	0.7910	0.8150	Ave		0.7917			0.1000	3.4		20.0			
Toluene	2.1912 2.5044	2.5869 2.3016	2.3946 2.3759	2.5205	2.5876	Ave		2.4328			0.4000	5.8		20.0			
Ethyl methacrylate	+++++ 1.0698	0.9223 1.1100	0.8449 1.1513	0.9180	1.0063	Ave		1.0033				11.3		20.0			
trans-1,3-Dichloropropene	+++++ 1.3832	1.3073 1.3660	1.2142 1.3841	1.2862	1.3549	Ave		1.3280			0.1000	4.7		20.0			
1,1,2-Trichloroethane	+++++ 0.7091	0.7178 0.7062	0.6632 0.7064	0.7046	0.7268	Ave		0.7049			0.1000	2.8		20.0			
2-Hexanone	0.5589 0.5918	0.5931 0.5921	0.5447 0.5870	0.5574	0.5850	Ave		0.5763			0.1000	3.4		20.0			
Tetrachloroethene	+++++ 1.2087	1.2771 1.0340	1.1351 1.0956	1.2325	1.2631	Ave		1.1780			0.2000	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: TestAmerica Buffalo Job No.: 480-118149-1 Analy Batch No.: 358504

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/22/2017 14:55 Calibration End Date: 05/22/2017 17:51 Calibration ID: 30612

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								
1,3-Dichloropropane	1.3533 1.4554	1.5478 1.4158	1.3873 1.4060	1.4500	1.4998	Ave		1.4394				4.4		20.0			
Dibromochloromethane	+++++ 1.0019	0.8881 1.0448	0.8260 1.1010	0.8782	0.9476	Ave		0.9554			0.1000	10.3		20.0			
1,2-Dibromoethane	+++++ 0.9412	0.9294 0.9432	0.8497 0.9573	0.8740	0.9368	Ave		0.9188				4.4		20.0			
Chlorobenzene	2.7694 3.0674	3.1417 2.8938	3.0038 2.8777	3.0919	3.1435	Ave		2.9986			0.5000	4.6		20.0			
Ethylbenzene	4.3191 4.7936	5.1578 4.3436	4.7460 4.4040	4.7668	4.9276	Ave		4.6823			0.1000	6.4		20.0			
1,1,1,2-Tetrachloroethane	+++++ 1.1061	1.0765 1.0706	1.0352 1.0877	1.0561	1.1017	Ave		1.0763				2.3		20.0			
m,p-Xylene	+++++ 2.0308	2.0174 1.8657	1.8917 1.9305	2.0150	2.0863	Ave		1.9768			0.1000	4.1		20.0			
o-Xylene	+++++ 1.9987	2.0454 1.8572	1.9406 1.8684	1.9934	2.0422	Ave		1.9637			0.3000	3.9		20.0			
Styrene	+++++ 3.1620	2.9639 3.0359	2.7834 3.0721	2.9865	3.1633	Ave		3.0239			0.3000	4.3		20.0			
Isopropylbenzene	+++++ 4.5424	4.5545 4.0270	4.2409 4.1987	4.4833	4.6828	Ave		4.3899			0.1000	5.4		20.0			
Bromoform	+++++ 0.6244	0.4926 0.6528	0.4889 0.6902	0.5355	0.5801	Ave		0.5806			0.1000	13.6		20.0			
1,1,2,2-Tetrachloroethane	+++++ 1.0094	1.0386 1.0073	0.9462 1.0246	0.9754	1.0281	Ave		1.0042			0.3000	3.3		20.0			
trans-1,4-Dichloro-2-butene	0.2344 0.3012	0.2370 0.3029	0.2606 0.3132	0.2717	0.2795	Ave		0.2751				10.9		20.0			
N-Propylbenzene	+++++ 5.0939	5.1730 4.5238	4.7094 4.7136	4.9516	5.1615	Ave		4.9038				5.2		20.0			
1,2,3-Trichloropropane	+++++ 0.3448	0.3671 0.3414	0.3351 0.3400	0.3434	0.3496	Ave		0.3459				3.0		20.0			
Bromobenzene	1.1116 1.2413	1.2766 1.1729	1.1851 1.2007	1.2362	1.2411	Ave		1.2082				4.3		20.0			
1,3,5-Trimethylbenzene	3.3590 3.7912	3.8953 3.4808	3.5550 3.6168	3.6842	3.8633	Ave		3.6557				5.2		20.0			
2-Chlorotoluene	1.0236 1.1512	1.1967 1.0542	1.1123 1.0932	1.1526	1.1939	Ave		1.1222				5.6		20.0			
4-Chlorotoluene	1.1071 1.2130	1.2810 1.1273	1.1386 1.1579	1.1976	1.2485	Ave		1.1839				5.2		20.0			
tert-Butylbenzene	0.9047 0.9015	1.0279 0.7934	0.9237 0.8377	0.8919	0.9172	Ave		0.8997				7.6		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: TestAmerica Buffalo Job No.: 480-118149-1 Analy Batch No.: 358504

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/22/2017 14:55 Calibration End Date: 05/22/2017 17:51 Calibration ID: 30612

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								
1,2,4-Trimethylbenzene	3.6253 3.9480	4.1260 3.6498	3.6769 3.7126	3.8004	4.0352	Ave		3.8218				5.0		20.0			
sec-Butylbenzene	+++++ 4.8493	4.8995 4.2174	4.5501 4.4717	4.6988	4.9327	Ave		4.6599				5.6		20.0			
4-Isopropyltoluene	+++++ 4.2379	4.2610 3.7663	3.8327 3.9638	4.0623	4.2682	Ave		4.0560				5.2		20.0			
1,3-Dichlorobenzene	2.1476 2.3944	2.4444 2.2600	2.2584 2.3148	2.3533	2.4302	Ave		2.3254			0.6000	4.3		20.0			
1,4-Dichlorobenzene	2.1555 2.4486	2.5297 2.3046	2.3296 2.3582	2.3996	2.4891	Ave		2.3768			0.5000	5.0		20.0			
n-Butylbenzene	+++++ 3.4971	3.4252 3.0848	3.1401 3.2737	3.3474	3.5347	Ave		3.3290				5.2		20.0			
1,2-Dichlorobenzene	+++++ 2.3077	2.3698 2.2154	2.2115 2.2515	2.2188	2.3109	Ave		2.2694			0.4000	2.7		20.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.1674	0.1885 0.1720	0.1412 0.1856	0.1600	0.1628	Ave		0.1682			0.0500	9.6		20.0			
1,2,4-Trichlorobenzene	+++++ 1.7103	1.6883 1.6542	1.5556 1.7085	1.5941	1.6627	Ave		1.6534			0.2000	3.5		20.0			
Hexachlorobutadiene	+++++ 0.6292	0.6080 0.5606	0.5635 0.6229	0.5985	0.6277	Ave		0.6015				4.8		20.0			
Naphthalene	+++++ 4.2694	4.0796 4.2465	3.7292 4.3636	3.8749	4.1639	Ave		4.1039				5.6		20.0			
1,2,3-Trichlorobenzene	1.4361 1.5659	1.5758 1.5289	1.4502 1.5728	1.4735	1.5761	Ave		1.5224				3.9		20.0			
Dibromofluoromethane (Surr)	1.3843 1.4024	1.3733 1.4166	1.4078 1.4267	1.3922	1.4197	Ave		1.4029				1.3		20.0			
1,2-Dichloroethane-d4 (Surr)	0.7915 0.7719	0.7877 0.7854	0.7880 0.7819	0.7886	0.7944	Ave		0.7862				0.9		20.0			
Toluene-d8 (Surr)	2.4848 2.4682	2.4667 2.4766	2.4655 2.4679	2.4597	2.4687	Ave		2.4698				0.3		20.0			
4-Bromofluorobenzene (Surr)	0.8283 0.8363	0.8281 0.8412	0.8247 0.8449	0.8304	0.8340	Ave		0.8335				0.8		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: TestAmerica Buffalo Job No.: 480-118149-1 Analy Batch No.: 358504

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/22/2017 14:55 Calibration End Date: 05/22/2017 17:51 Calibration ID: 30612

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-358504/8	C0099.D
Level 2	IC 480-358504/9	C0100.D
Level 3	IC 480-358504/10	C0101.D
Level 4	IC 480-358504/11	C0102.D
Level 5	IC 480-358504/12	C0103.D
Level 6	ICIS 480-358504/13	C0104.D
Level 7	IC 480-358504/14	C0105.D
Level 8	IC 480-358504/15	C0106.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	+++++ 338955	12137 608310	22254 1229573	68248	142645	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	+++++ 208670	7563 396128	18655 822827	43027	88111	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	2919 191722	7792 356417	13410 753015	37164	78263	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	+++++ 163438	6387 296181	11766 611978	32660	67275	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	+++++ 238192	10312 464640	18489 991902	48791	98765	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	3105 205768	8335 390446	15802 812719	41708	84390	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	7775 479097	19587 924692	35268 1901385	96952	200018	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	6700 482944	18270 877950	33392 1775128	96895	205130	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	3419 236076	10007 476962	18663 979710	46353	95289	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	+++++ 192724	7281 397137	12496 832296	35944	75484	+++++ 125	5.00 250	10.0 500	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	+++++ 279804	11367 454655	20850 1013892	56777	118315	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethene	FB	Ave	4505 285918	10675 487330	20188 1072228	57247	121312	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	+++++ 350271	15735 697141	28297 1434378	70244	141130	+++++ 125	5.00 250	10.0 500	25.0	50.0
Iodomethane	FB	Ave	+++++ 538344	21433 1019708	39511 2152760	104346	219501	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	+++++ 975566	38636 1744996	70446 3804442	190670	392037	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1 Analy Batch No.: 358504

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/22/2017 14:55 Calibration End Date: 05/22/2017 17:51 Calibration ID: 30612

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
Methyl acetate	FB	Ave	13713 934902	38983 1852049	72173 3703842	184656	380265	2.00 125	5.00 250	10.0 500	25.0	50.0
Allyl chloride	FB	Ave	7091 414596	16970 762654	35539 1593378	88381	170483	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylene Chloride	FB	Lin1	+++++ 308267	18390 586142	28678 1208696	65593	130155	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	4687 333548	13199 664532	24063 1410554	62908	131065	4.00 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	12787 804847	34597 1611674	63602 3309397	160199	328633	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	13992 997583	40715 1977979	76258 3902915	199112	410671	4.00 250	10.0 500	20.0 1000	50.0	100
trans-1,2-Dichloroethene	FB	Ave	+++++ 317659	16172 563215	28159 1187660	68487	136396	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexane	FB	Ave	+++++ 387265	16773 621663	29447 1389955	82488	167993	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	+++++ 1060871	40132 2144498	75399 4327628	197880	418824	+++++ 50.0	2.00 100	4.00 200	10.0	20.0
1,1-Dichloroethane	FB	Ave	+++++ 490448	20723 912125	37648 1894443	100026	202092	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	8923 600564	24329 1202801	44420 2480641	118000	244046	2.00 125	5.00 250	10.0 500	25.0	50.0
cis-1,2-Dichloroethene	FB	Ave	6875 367004	16324 692386	29509 1425682	75683	153606	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2,2-Dichloropropane	FB	Ave	7278 406291	19088 719604	33168 1509506	82678	170269	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Chlorobromomethane	FB	Ave	+++++ 187985	7462 370584	14123 763215	36141	76584	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroform	FB	Ave	9163 513637	23568 975007	41941 2025212	103849	212436	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	3045 159671	7484 327872	13654 661152	32983	66225	0.800 50.0	2.00 100	4.00 200	10.0	20.0
1,1,1-Trichloroethane	FB	Ave	+++++ 455877	17950 804693	34989 1740426	89950	189155	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	+++++ 518990	21946 839808	38724 1876219	105432	221181	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Isobutyl alcohol	FB	Ave	+++++ 386343	15437 751515	28356 1614571	71271	148695	+++++ 625	25.0 1250	50.0 2500	125	250
1,1-Dichloropropene	FB	Ave	5180 385468	16173 658912	28213 1436381	78846	158376	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	+++++ 420946	16281 722853	30139 1587921	81070	171077	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1 Analy Batch No.: 358504

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/22/2017 14:55 Calibration End Date: 05/22/2017 17:51 Calibration ID: 30612

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
Benzene	FB	Ave	17973 1184808	51518 2197127	91528 4575899	243418	492073	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloroethane	FB	Ave	5924 376726	16087 736777	29937 1486168	75639	156110	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	+++++ 362000	18029 578022	30207 1277126	78140	158408	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	+++++ 319768	12897 586147	24894 1258190	64048	132081	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	+++++ 504878	19557 828258	35901 1886236	103247	213065	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	4268 303690	11577 586579	23266 1213744	59049	123871	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBNZ d5	Ave	+++++ 72091	2119 145242	4977 305755	13084	27111	+++++ 500	20.0 1000	40.0 2000	100	200
Dibromomethane	FB	Ave	+++++ 192767	7384 385462	14561 787658	37314	77621	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromodichloromethane	FB	Ave	+++++ 362634	13329 726003	25207 1558068	68156	142147	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	+++++ 188047	7132 390800	12476 818442	34773	72768	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	+++++ 490083	18431 975016	34968 2046182	92023	194988	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Ave	+++++ 1328195	49718 2675217	95495 5332156	257495	530837	+++++ 125	5.00 250	10.0 500	25.0	50.0
Toluene	CBNZ d5	Ave	11367 815941	33324 1517474	61674 3184767	164103	337063	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBNZ d5	Ave	+++++ 348543	11881 731862	21761 1543327	59771	131085	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	+++++ 450654	16841 900626	31271 1855329	83739	176493	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBNZ d5	Ave	+++++ 231023	9247 465610	17080 946873	45873	94672	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBNZ d5	Ave	14497 964062	38198 1951918	70149 3934461	181451	381006	2.00 125	5.00 250	10.0 500	25.0	50.0
Tetrachloroethene	CBNZ d5	Ave	+++++ 393788	16451 681709	29234 1468636	80247	164527	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichloropropane	CBNZ d5	Ave	7020 474183	19939 933484	35729 1884731	94405	195363	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromochloromethane	CBNZ d5	Ave	+++++ 326405	11440 688846	21275 1475887	57175	123432	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBNZ d5	Ave	+++++ 306633	11972 621844	21884 1283219	56903	122027	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1 Analy Batch No.: 358504

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/22/2017 14:55 Calibration End Date: 05/22/2017 17:51 Calibration ID: 30612

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
Chlorobenzene	CBNZ d5	Ave	14366 999352	40471 1907909	77363 3857401	201310	409475	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBNZ d5	Ave	22405 1561743	66442 2863784	122235 5903308	310356	641883	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	+++++ 360381	13867 705895	26661 1457977	68761	143505	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
m,p-Xylene	CBNZ d5	Ave	+++++ 661626	25988 1230122	48722 2587693	131193	271762	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBNZ d5	Ave	+++++ 651164	26348 1224514	49981 2504496	129784	266023	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBNZ d5	Ave	+++++ 1030184	38181 2001607	71687 4118066	194447	412051	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Isopropylbenzene	DCBd 4	Ave	+++++ 1661747	65513 2994940	122733 6306312	329538	686588	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBNZ d5	Ave	+++++ 203421	6345 430429	12592 925114	34867	75568	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	+++++ 369248	14940 749162	27384 1538876	71697	150741	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	1365 110205	3409 225240	7542 470472	19974	40974	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCBd 4	Ave	+++++ 1863503	74409 3364466	136293 7079704	363965	756764	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCBd 4	Ave	+++++ 126148	5281 253882	9697 510663	25245	51252	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCBd 4	Ave	6474 454109	18363 872292	34296 1803410	90867	181971	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	19564 1386916	56031 2588730	102884 5432323	270801	566424	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCBd 4	Ave	5962 421138	17214 783997	32190 1642003	84718	175053	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Chlorotoluene	DCBd 4	Ave	6448 443763	18426 838435	32952 1739136	88031	183060	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCBd 4	Ave	5269 329779	14786 590095	26732 1258141	65561	134477	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	21115 1444282	59349 2714440	106410 5576325	279346	591629	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCBd 4	Ave	+++++ 1774005	70475 3136618	131682 6716386	345378	723229	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCBd 4	Ave	+++++ 1550338	61291 2801121	110920 5953567	298596	625792	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCBd 4	Ave	12508 875941	35161 1680821	65360 3476779	172979	356309	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1 Analy Batch No.: 358504

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/22/2017 14:55 Calibration End Date: 05/22/2017 17:51 Calibration ID: 30612

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
1,4-Dichlorobenzene	DCBd 4	Ave	12554 895761	36388 1713972	67419 3541913	176380	364950	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCBd 4	Ave	+++++ 1279317	49268 2294252	90875 4917009	246050	518248	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCBd 4	Ave	+++++ 844222	34087 1647609	64002 3381755	163088	338821	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	+++++ 61254	2711 127956	4085 278747	11759	23874	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	+++++ 625690	24285 1230301	45019 2566080	117171	243783	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCBd 4	Ave	+++++ 230186	8745 416903	16309 935626	43993	92029	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Naphthalene	DCBd 4	Ave	+++++ 1561861	58682 3158213	107925 6554060	284818	610500	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	8364 572849	22667 1137098	41968 2362328	108310	231086	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	189811 194600	186912 196997	191832 201175	192657	194912	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	108524 107102	107216 109223	107370 110260	109129	109068	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBNZ d5	Ave	805613 804152	794381 816428	793738 827032	800743	803936	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	268532 272458	266679 277312	265496 283124	270319	271580	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C0099.D
Lims ID: IC 0.4
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 22-May-2017 14:55:30 ALS Bottle#: 9 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 0.4
Misc. Info.: 480-0062694-008
Operator ID: LH Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 23-May-2017 13:19:27 Calib Date: 22-May-2017 22:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C0117.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: HillL Date: 23-May-2017 11:21:45

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	9.428	9.428	0.000	100	137117	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.836	11.836	0.000	83	324216	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.851	13.851	0.000	94	364018	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.895	8.895	0.000	94	189811	25.0	24.7	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.203	9.191	0.012	100	108524	25.0	25.2	
$ 5 Toluene-d8 (Surr)	98	10.650	10.650	0.000	92	805613	25.0	25.2	
$ 6 4-Bromofluorobenzene (Surr	174	12.784	12.784	0.000	98	268532	25.0	24.8	
10 Dichlorodifluoromethane	85	4.519	4.507	0.012	85	3975	0.4000	0.3142	
12 Chloromethane	50	4.910	4.910	0.000	90	7080	0.4000	0.8487	
13 Vinyl chloride	62	5.147	5.147	0.000	91	2919	0.4000	0.3958	
151 Butadiene	54	5.183	5.195	-0.012	85	3117	0.4000	0.4982	
14 Bromomethane	94	5.740	5.740	0.000	82	5208	0.4000	0.5405	
15 Chloroethane	64	5.883	5.883	0.000	13	3105	0.4000	0.3849	
16 Dichlorofluoromethane	67	6.167	6.167	0.000	94	7775	0.4000	0.4098	
17 Trichlorofluoromethane	101	6.238	6.238	0.000	92	6700	0.4000	0.3689	
18 Ethyl ether	59	6.547	6.547	0.000	92	3419	0.4000	0.3648	
20 Acrolein	56	6.772	6.772	0.000	1	2256	2.00	1.52	M
21 1,1,2-Trichloro-1,2,2-trif	101	6.831	6.819	0.012	80	3043	0.4000	0.2844	
22 1,1-Dichloroethene	96	6.891	6.879	0.012	93	4505	0.4000	0.4144	
23 Acetone	43	6.938	6.926	0.012	72	6703	2.00	2.35	
25 Iodomethane	142	7.116	7.104	0.012	95	7023	0.4000	0.3358	
26 Carbon disulfide	76	7.211	7.199	0.012	97	12567	0.4000	0.3367	
27 Methyl acetate	43	7.234	7.223	0.011	97	13713	2.00	1.87	
28 3-Chloro-1-propene	41	7.246	7.246	0.000	81	7091	0.4000	0.4228	
30 Methylene Chloride	84	7.389	7.389	0.000	91	11952	0.4000	0.4398	
31 2-Methyl-2-propanol	59	7.412	7.400	0.012	96	4687	4.00	3.65	
32 Methyl tert-butyl ether	73	7.590	7.578	0.012	95	12787	0.4000	0.3947	
33 Acrylonitrile	53	7.626	7.614	0.012	97	13992	4.00	3.60	
34 trans-1,2-Dichloroethene	96	7.638	7.626	0.012	90	8278	0.4000	0.6240	
35 Hexane	57	7.804	7.792	0.012	95	4622	0.4000	0.3055	

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	7.982	7.970	0.012	1	13770	0.8000	0.6747	M
39 1,1-Dichloroethane	63	8.029	8.029	0.000	1	6855	0.4000	0.3538	
43 2-Butanone (MEK)	43	8.491	8.480	0.011	99	8923	2.00	1.89	
44 2,2-Dichloropropane	77	8.527	8.515	0.012	33	7278	0.4000	0.4397	
45 cis-1,2-Dichloroethene	96	8.527	8.515	0.012	77	6875	0.4000	0.4551	
48 Chlorobromomethane	128	8.752	8.740	0.012	12	2278	0.4000	0.3091	
50 Chloroform	83	8.764	8.752	0.012	91	9163	0.4000	0.4343	
49 Tetrahydrofuran	42	8.776	8.764	0.012	49	3045	0.8000	0.8960	
51 1,1,1-Trichloroethane	97	8.942	8.942	0.000	92	6061	0.4000	0.3443	
52 Cyclohexane	56	8.989	8.989	0.000	89	6393	0.4000	0.3199	
53 Isobutyl alcohol	43	9.001	9.001	0.000	50	5246	10.0	8.78	
54 1,1-Dichloropropene	75	9.049	9.049	0.000	91	5180	0.4000	0.3540	
55 Carbon tetrachloride	117	9.084	9.072	0.012	92	4838	0.4000	0.3050	
57 Benzene	78	9.250	9.250	0.000	94	17973	0.4000	0.3835	
58 1,2-Dichloroethane	62	9.262	9.250	0.012	92	5924	0.4000	0.3932	
59 n-Heptane	43	9.274	9.274	0.000	83	7926	0.4000	0.5398	
62 Trichloroethene	95	9.725	9.713	0.012	91	4310	0.4000	0.3435	
64 Methylcyclohexane	83	9.867	9.867	0.000	85	5499	0.4000	0.2870	
65 1,2-Dichloropropane	63	9.926	9.914	0.012	92	4268	0.4000	0.3652	
66 1,4-Dioxane	88		9.986				ND	ND	
67 Dibromomethane	93	10.045	10.045	0.000	61	2424	0.4000	0.3214	
68 Dichlorobromomethane	83	10.116	10.116	0.000	90	3873	0.4000	0.2777	
69 2-Chloroethyl vinyl ether	63	10.247	10.235	0.011	80	2257	0.4000	0.3115	
72 cis-1,3-Dichloropropene	75	10.436	10.436	0.000	94	6245	0.4000	0.3303	
73 4-Methyl-2-pentanone (MIBK	43	10.484	10.472	0.012	94	17023	2.00	1.66	
74 Toluene	92	10.709	10.709	0.000	97	11367	0.4000	0.3603	
75 Ethyl methacrylate	69	10.780	10.780	0.000	80	3538	0.4000	0.2719	
77 trans-1,3-Dichloropropene	75	10.851	10.839	0.012	89	5692	0.4000	0.3305	
79 1,1,2-Trichloroethane	83	11.029	11.029	0.000	85	2945	0.4000	0.3222	
80 2-Hexanone	43	11.112	11.112	0.000	97	14497	2.00	1.94	
81 Tetrachloroethene	166	11.160	11.160	0.000	93	4797	0.4000	0.3140	
82 1,3-Dichloropropane	76	11.171	11.171	0.000	87	7020	0.4000	0.3761	
83 Chlorodibromomethane	129	11.385	11.385	0.000	85	3684	0.4000	0.2973	
84 Ethylene Dibromide	107	11.527	11.527	0.000	94	3724	0.4000	0.3125	
87 Chlorobenzene	112	11.859	11.859	0.000	96	14366	0.4000	0.3694	
88 Ethylbenzene	91	11.871	11.871	0.000	94	22405	0.4000	0.3690	
89 1,1,1,2-Tetrachloroethane	131	11.895	11.895	0.000	87	4808	0.4000	0.3445	
90 m-Xylene & p-Xylene	106	11.954	11.954	0.000	98	8676	0.4000	0.3384	
91 o-Xylene	106	12.298	12.298	0.000	94	8550	0.4000	0.3357	
92 Styrene	104	12.310	12.310	0.000	91	12779	0.4000	0.3259	
94 Isopropylbenzene	105	12.571	12.571	0.000	95	22416	0.4000	0.3507	
95 Bromoform	173	12.583	12.583	0.000	41	1929	0.4000	0.2562	
97 1,1,2,2-Tetrachloroethane	83	12.855	12.855	0.000	86	4755	0.4000	0.3252	
98 trans-1,4-Dichloro-2-buten	53	12.879	12.879	0.000	1	1365	0.4000	0.3408	
99 N-Propylbenzene	91	12.927	12.927	0.001	98	24703	0.4000	0.3460	
100 1,2,3-Trichloropropane	110	12.938	12.938	0.000	67	1668	0.4000	0.3312	
101 Bromobenzene	156	12.974	12.974	0.000	85	6474	0.4000	0.3680	
102 1,3,5-Trimethylbenzene	105	13.045	13.045	0.000	94	19564	0.4000	0.3675	
103 2-Chlorotoluene	126	13.093	13.093	0.000	97	5962	0.4000	0.3649	
105 4-Chlorotoluene	126	13.176	13.176	0.000	94	6448	0.4000	0.3740	
106 tert-Butylbenzene	134	13.377	13.377	0.000	90	5269	0.4000	0.4022	
107 1,2,4-Trimethylbenzene	105	13.413	13.413	0.000	94	21115	0.4000	0.3794	

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	13.579	13.579	0.000	93	23861	0.4000	0.3517	
110 4-Isopropyltoluene	119	13.674	13.674	0.000	95	17902	0.4000	0.3031	
111 1,3-Dichlorobenzene	146	13.804	13.804	0.000	95	12508	0.4000	0.3694	
113 1,4-Dichlorobenzene	146	13.875	13.875	0.000	92	12554	0.4000	0.3627	
115 n-Butylbenzene	91	14.089	14.089	0.000	96	14449	0.4000	0.2981	
116 1,2-Dichlorobenzene	146	14.302	14.302	0.000	94	11026	0.4000	0.3337	
117 1,2-Dibromo-3-Chloropropan	75		15.168				ND	ND	
119 1,2,4-Trichlorobenzene	180	16.235	16.223	0.012	92	8308	0.4000	0.3451	
120 Hexachlorobutadiene	225	16.354	16.342	0.012	76	2363	0.4000	0.2698	
121 Naphthalene	128	16.662	16.662	0.000	97	19448	0.4000	0.3255	
122 1,2,3-Trichlorobenzene	180	17.030	17.030	0.000	93	8364	0.4000	0.3773	
S 123 Total BTEX	1				0			1.79	
S 124 Xylenes, Total	1				0			0.6742	
S 125 1,2-Dichloroethene, Total	1				0			1.08	
S 126 1,3-Dichloropropene, Total	1				0			0.6608	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00099	Amount Added:	0.40	Units: uL	
GAS CORP mix_00221	Amount Added:	0.40	Units: uL	
C_8260_IS_00085	Amount Added:	1.00	Units: uL	Run Reagent
C_8260_Surr_00092	Amount Added:	1.00	Units: uL	Run Reagent

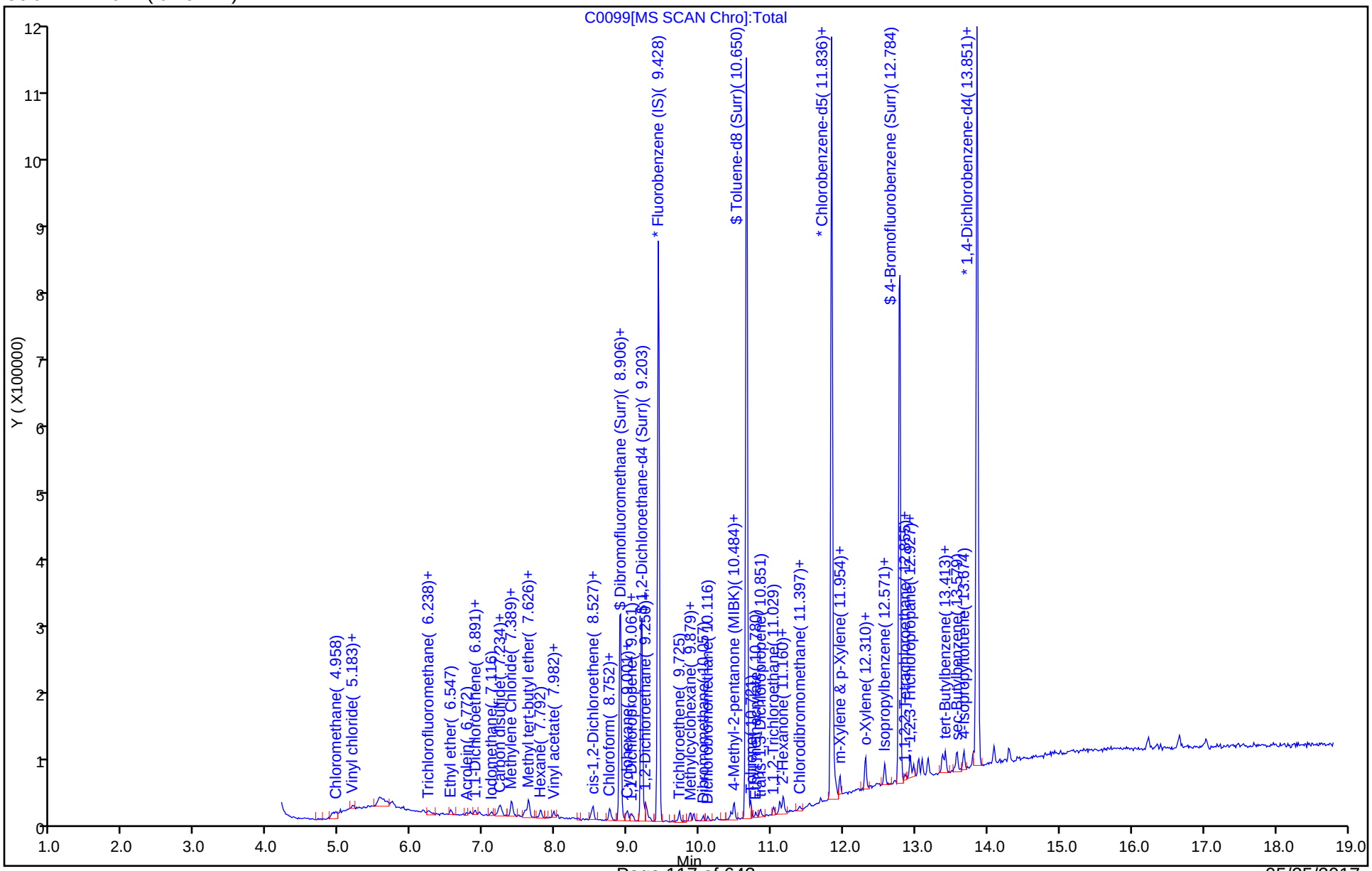
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TestAmerica Buffalo

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Injection Date:	22-May-2017 14:55:30	Instrument ID:	HP5973C	Operator ID:	LH
Lims ID:	IC 0.4			Worklist Smp#:	8
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 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

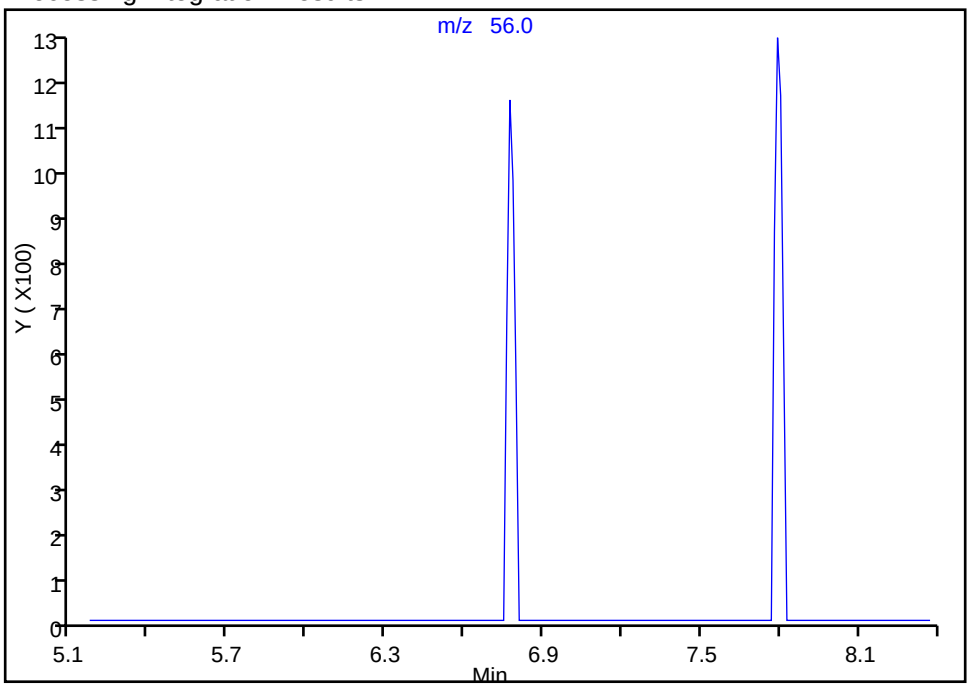
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Injection Date: 22-May-2017 14:55:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

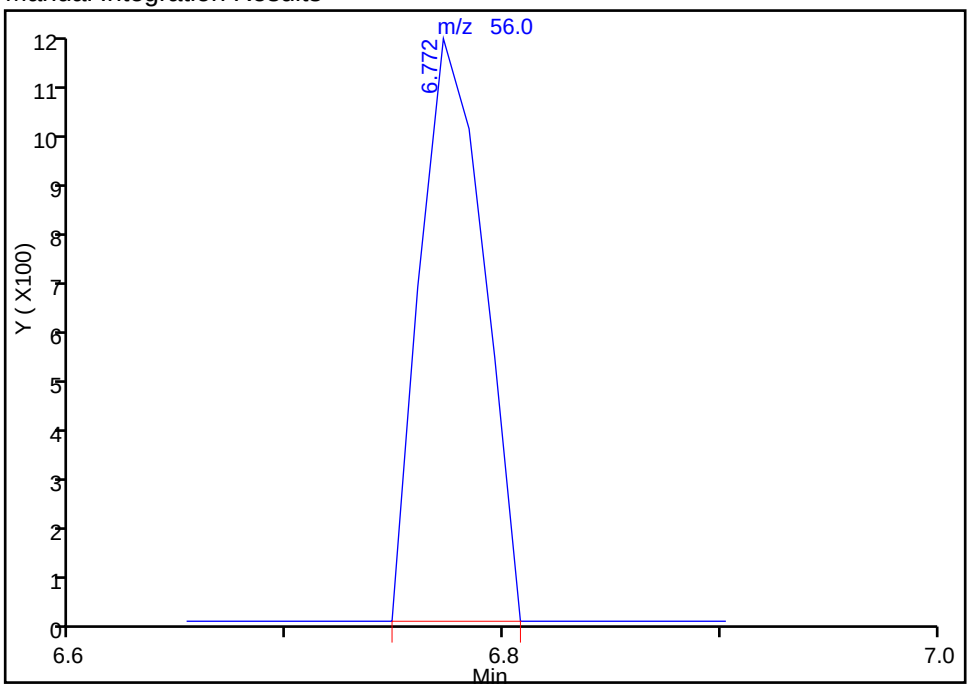
Not Detected
Expected RT: 6.77

Processing Integration Results



Manual Integration Results

RT: 6.77
Area: 2256
Amount: 1.523554
Amount Units: ug/L



Reviewer: HillL, 23-May-2017 11:19:05
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

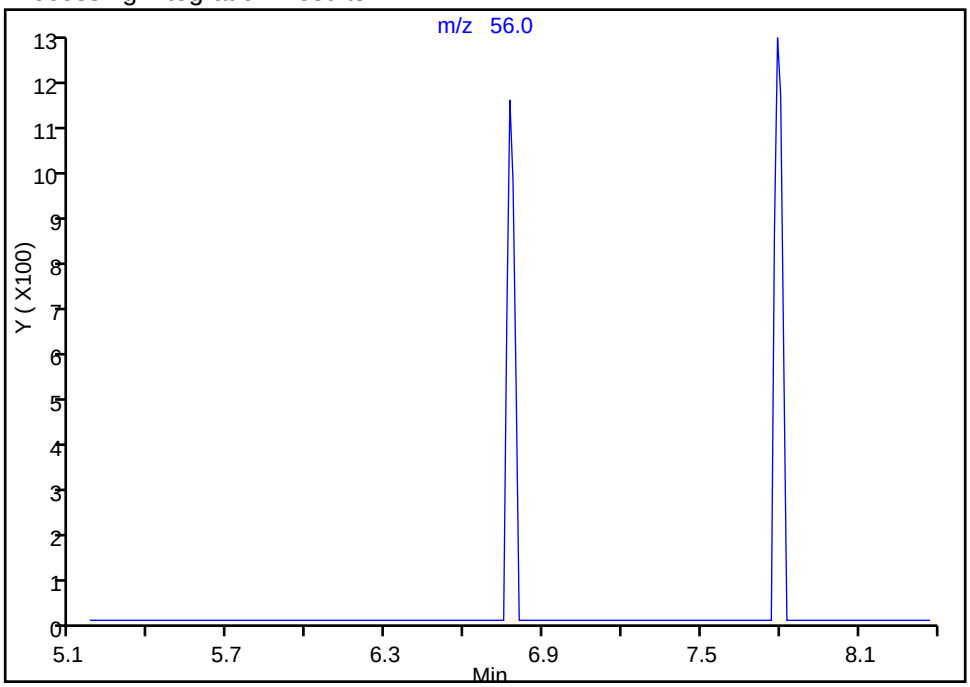
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Injection Date: 22-May-2017 14:55:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

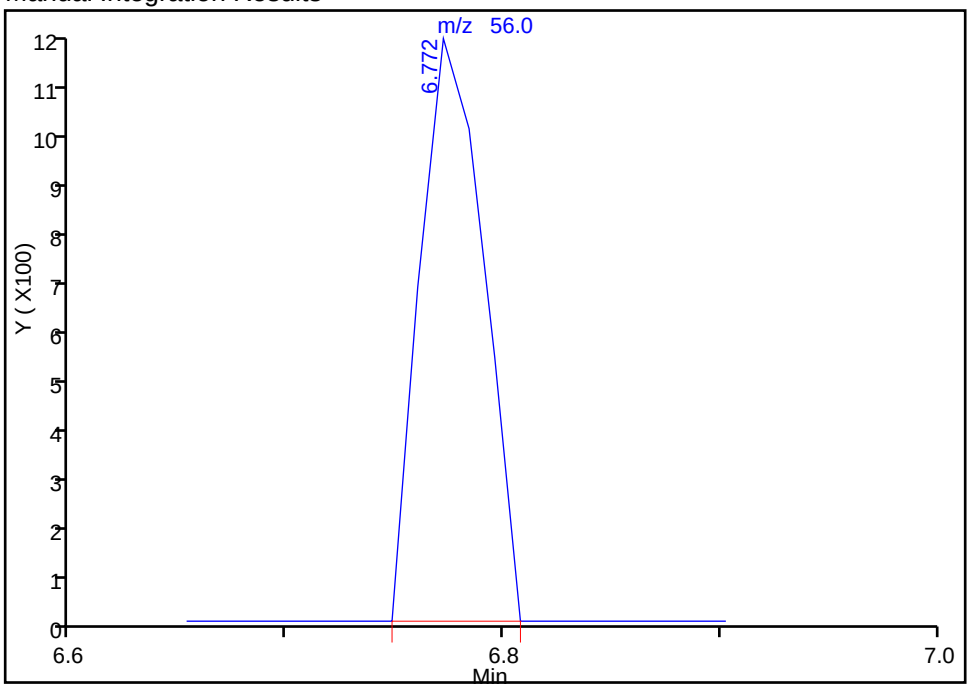
Not Detected
Expected RT: 6.77

Processing Integration Results



Manual Integration Results

RT: 6.77
Area: 2256
Amount: 1.523554
Amount Units: ug/L



Reviewer: HillL, 23-May-2017 11:19:15
Audit Action: Manually Integrated Audit Reason: Poor chromatography

TestAmerica Buffalo

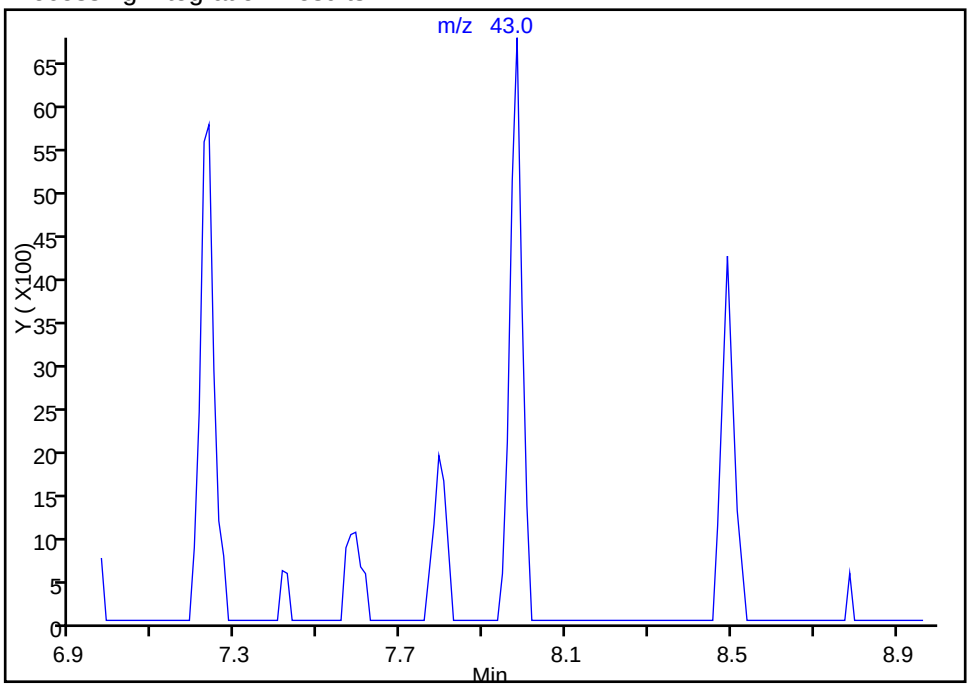
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Injection Date: 22-May-2017 14:55:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

37 Vinyl acetate, CAS: 108-05-4

Signal: 1

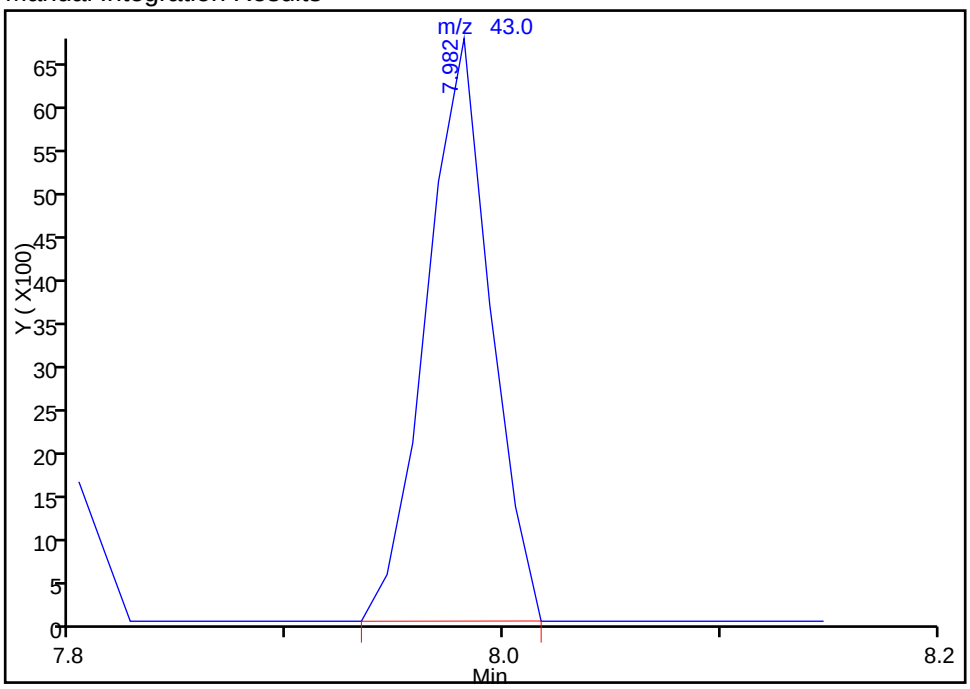
Not Detected
Expected RT: 7.97

Processing Integration Results



Manual Integration Results

RT: 7.98
Area: 13770
Amount: 0.674738
Amount Units: ug/L



Reviewer: HillL, 23-May-2017 11:19:41
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

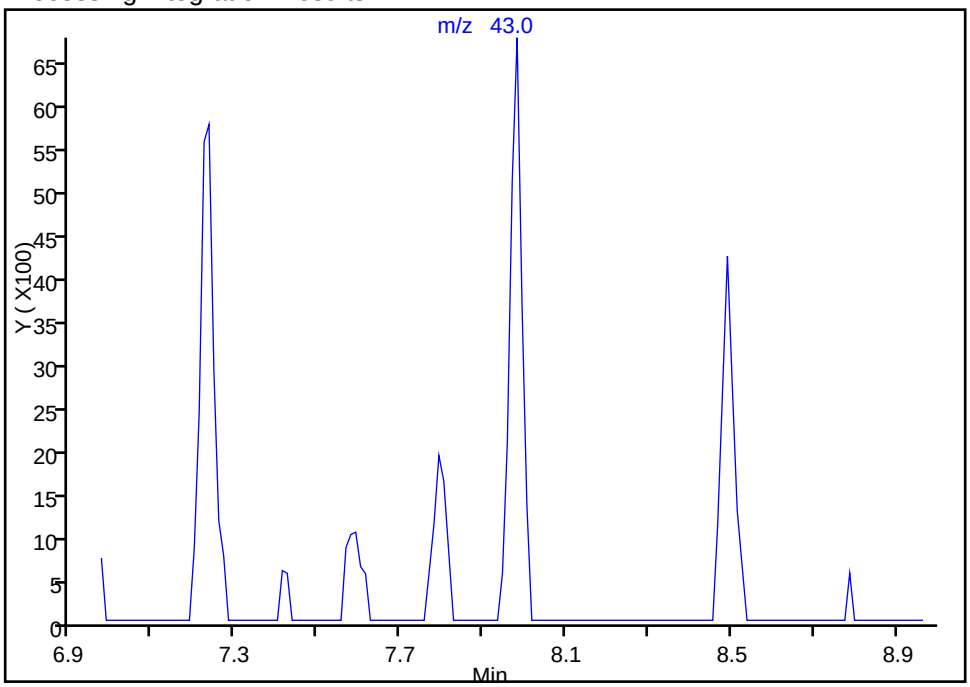
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Injection Date: 22-May-2017 14:55:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: LH ALS Bottle#: 9 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

37 Vinyl acetate, CAS: 108-05-4

Signal: 1

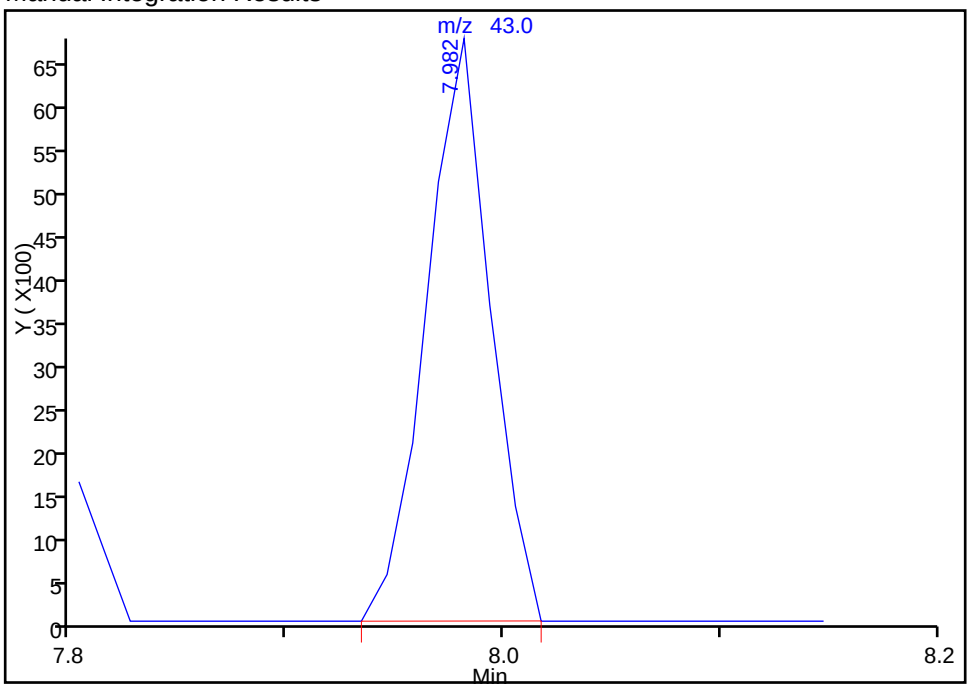
Not Detected
Expected RT: 7.97

Processing Integration Results



Manual Integration Results

RT: 7.98
Area: 13770
Amount: 0.674738
Amount Units: ug/L



Reviewer: HillL, 23-May-2017 11:19:48
Audit Action: Manually Integrated Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C0100.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 22-May-2017 15:20:30 ALS Bottle#: 10 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0062694-009
Operator ID: LH Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 23-May-2017 13:19:29 Calib Date: 22-May-2017 22:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C0117.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: HillL Date: 23-May-2017 11:42:03

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	9.428	9.428	0.000	100	136108	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.836	11.836	0.000	83	322047	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.852	13.851	0.001	94	359604	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.895	8.895	0.000	94	186912	25.0	24.5	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.191	9.191	0.000	99	107216	25.0	25.0	
$ 5 Toluene-d8 (Surr)	98	10.650	10.650	0.000	92	794381	25.0	25.0	
$ 6 4-Bromofluorobenzene (Surr	174	12.784	12.784	0.000	98	266679	25.0	24.8	
10 Dichlorodifluoromethane	85	4.519	4.507	0.012	95	12137	1.00	0.9666	
12 Chloromethane	50	4.898	4.910	-0.012	94	7563	1.00	0.9134	M
13 Vinyl chloride	62	5.147	5.147	0.000	94	7792	1.00	1.06	
151 Butadiene	54	5.183	5.195	-0.012	89	6387	1.00	1.03	
14 Bromomethane	94	5.740	5.740	0.000	89	10312	1.00	1.08	
15 Chloroethane	64	5.883	5.883	0.000	96	8335	1.00	1.04	
16 Dichlorofluoromethane	67	6.167	6.167	0.000	95	19587	1.00	1.04	
17 Trichlorofluoromethane	101	6.238	6.238	0.000	96	18270	1.00	1.01	
18 Ethyl ether	59	6.547	6.547	0.000	87	10007	1.00	1.08	
20 Acrolein	56	6.772	6.772	0.000	49	7281	5.00	4.95	
21 1,1,2-Trichloro-1,2,2-trif	101	6.819	6.819	0.000	87	11367	1.00	1.07	
22 1,1-Dichloroethene	96	6.879	6.879	0.000	95	10675	1.00	0.9892	
23 Acetone	43	6.938	6.926	0.012	99	15735	5.00	5.57	
25 Iodomethane	142	7.116	7.104	0.012	98	21433	1.00	1.03	
26 Carbon disulfide	76	7.211	7.199	0.012	100	38636	1.00	1.04	
27 Methyl acetate	43	7.223	7.223	0.000	98	38983	5.00	5.34	
28 3-Chloro-1-propene	41	7.246	7.246	0.000	81	16970	1.00	1.02	M
30 Methylene Chloride	84	7.389	7.389	0.000	92	18390	1.00	1.00	
31 2-Methyl-2-propanol	59	7.412	7.400	0.012	97	13199	10.0	10.4	
32 Methyl tert-butyl ether	73	7.578	7.578	0.000	97	34597	1.00	1.08	
33 Acrylonitrile	53	7.626	7.614	0.012	100	40715	10.0	10.5	
34 trans-1,2-Dichloroethene	96	7.638	7.626	0.012	96	16172	1.00	1.23	
35 Hexane	57	7.792	7.792	0.000	89	16773	1.00	1.12	

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	7.982	7.970	0.012	95	40132	2.00	1.98	
39 1,1-Dichloroethane	63	8.029	8.029	0.000	95	20723	1.00	1.08	
43 2-Butanone (MEK)	43	8.492	8.480	0.012	99	24329	5.00	5.20	
45 cis-1,2-Dichloroethene	96	8.527	8.515	0.012	77	16324	1.00	1.09	
44 2,2-Dichloropropane	77	8.527	8.515	0.012	63	19088	1.00	1.16	
48 Chlorobromomethane	128	8.741	8.740	0.001	86	7462	1.00	1.02	
50 Chloroform	83	8.752	8.752	0.000	93	23568	1.00	1.13	
49 Tetrahydrofuran	42	8.776	8.764	0.012	86	7484	2.00	2.22	
51 1,1,1-Trichloroethane	97	8.942	8.942	0.000	97	17950	1.00	1.03	
52 Cyclohexane	56	8.990	8.989	0.001	95	21946	1.00	1.11	
53 Isobutyl alcohol	43	9.001	9.001	0.000	91	15437	25.0	26.0	
54 1,1-Dichloropropene	75	9.049	9.049	0.000	96	16173	1.00	1.11	
55 Carbon tetrachloride	117	9.084	9.072	0.012	96	16281	1.00	1.03	
58 1,2-Dichloroethane	62	9.262	9.250	0.012	96	16087	1.00	1.08	
57 Benzene	78	9.250	9.250	0.000	92	51518	1.00	1.11	
59 n-Heptane	43	9.274	9.274	0.000	92	18029	1.00	1.24	
62 Trichloroethene	95	9.713	9.713	0.000	94	12897	1.00	1.04	
64 Methylcyclohexane	83	9.867	9.867	0.000	88	19557	1.00	1.03	
65 1,2-Dichloropropane	63	9.926	9.914	0.012	95	11577	1.00	1.00	
66 1,4-Dioxane	88	9.998	9.986	0.012	0	2119	20.0	16.0	M
67 Dibromomethane	93	10.045	10.045	0.000	94	7384	1.00	0.9864	
68 Dichlorobromomethane	83	10.116	10.116	0.000	96	13329	1.00	0.9629	
69 2-Chloroethyl vinyl ether	63	10.235	10.235	0.000	88	7132	1.00	0.99	
72 cis-1,3-Dichloropropene	75	10.436	10.436	0.000	98	18431	1.00	0.9819	
73 4-Methyl-2-pentanone (MIBK	43	10.484	10.472	0.012	94	49718	5.00	4.87	
74 Toluene	92	10.709	10.709	0.000	99	33324	1.00	1.06	
75 Ethyl methacrylate	69	10.780	10.780	0.000	88	11881	1.00	0.9193	
77 trans-1,3-Dichloropropene	75	10.851	10.839	0.012	91	16841	1.00	0.9845	
79 1,1,2-Trichloroethane	83	11.029	11.029	0.000	88	9247	1.00	1.02	
80 2-Hexanone	43	11.112	11.112	0.000	95	38198	5.00	5.15	
81 Tetrachloroethene	166	11.160	11.160	0.000	96	16451	1.00	1.08	
82 1,3-Dichloropropane	76	11.172	11.171	0.001	90	19939	1.00	1.08	
83 Chlorodibromomethane	129	11.397	11.385	0.012	87	11440	1.00	0.9296	
84 Ethylene Dibromide	107	11.527	11.527	0.000	96	11972	1.00	1.01	
87 Chlorobenzene	112	11.859	11.859	0.000	97	40471	1.00	1.05	
88 Ethylbenzene	91	11.871	11.871	0.000	95	66442	1.00	1.10	
89 1,1,1,2-Tetrachloroethane	131	11.895	11.895	0.000	77	13867	1.00	1.00	
90 m-Xylene & p-Xylene	106	11.954	11.954	0.000	98	25988	1.00	1.02	
91 o-Xylene	106	12.298	12.298	0.000	96	26348	1.00	1.04	
92 Styrene	104	12.310	12.310	0.000	92	38181	1.00	0.9802	
94 Isopropylbenzene	105	12.571	12.571	0.000	95	65513	1.00	1.04	
95 Bromoform	173	12.583	12.583	0.000	93	6345	1.00	0.8483	
97 1,1,2,2-Tetrachloroethane	83	12.855	12.855	0.000	93	14940	1.00	1.03	
98 trans-1,4-Dichloro-2-buten	53	12.879	12.879	0.000	90	3409	1.00	0.8616	
99 N-Propylbenzene	91	12.927	12.927	0.001	98	74409	1.00	1.05	
100 1,2,3-Trichloropropane	110	12.938	12.938	0.000	80	5281	1.00	1.06	
101 Bromobenzene	156	12.974	12.974	0.000	83	18363	1.00	1.06	
102 1,3,5-Trimethylbenzene	105	13.045	13.045	0.000	95	56031	1.00	1.07	
103 2-Chlorotoluene	126	13.093	13.093	0.000	99	17214	1.00	1.07	
105 4-Chlorotoluene	126	13.176	13.176	0.000	96	18426	1.00	1.08	
106 tert-Butylbenzene	134	13.377	13.377	0.000	90	14786	1.00	1.14	
107 1,2,4-Trimethylbenzene	105	13.413	13.413	0.000	94	59349	1.00	1.08	

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	13.579	13.579	0.000	93	70475	1.00	1.05	
110 4-Isopropyltoluene	119	13.674	13.674	0.000	97	61291	1.00	1.05	
111 1,3-Dichlorobenzene	146	13.804	13.804	0.000	97	35161	1.00	1.05	
113 1,4-Dichlorobenzene	146	13.875	13.875	0.000	96	36388	1.00	1.06	
115 n-Butylbenzene	91	14.089	14.089	0.000	97	49268	1.00	1.03	
116 1,2-Dichlorobenzene	146	14.302	14.302	0.000	98	34087	1.00	1.04	
117 1,2-Dibromo-3-Chloropropan	75	15.168	15.168	0.000	85	2711	1.00	1.12	M
119 1,2,4-Trichlorobenzene	180	16.223	16.223	0.000	94	24285	1.00	1.02	
120 Hexachlorobutadiene	225	16.342	16.342	0.000	94	8745	1.00	1.01	
121 Naphthalene	128	16.662	16.662	0.000	97	58682	1.00	0.99	
122 1,2,3-Trichlorobenzene	180	17.030	17.030	0.000	96	22667	1.00	1.04	
S 125 1,2-Dichloroethene, Total	1				0			2.32	
S 126 1,3-Dichloropropene, Total	1				0			1.97	
S 123 Total BTEX	1				0			5.33	
S 124 Xylenes, Total	1				0			2.06	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00099	Amount Added:	1.00	Units: uL	
GAS CORP mix_00221	Amount Added:	1.00	Units: uL	
C_8260_IS_00085	Amount Added:	1.00	Units: uL	Run Reagent
C_8260_Surr_00092	Amount Added:	1.00	Units: uL	Run Reagent

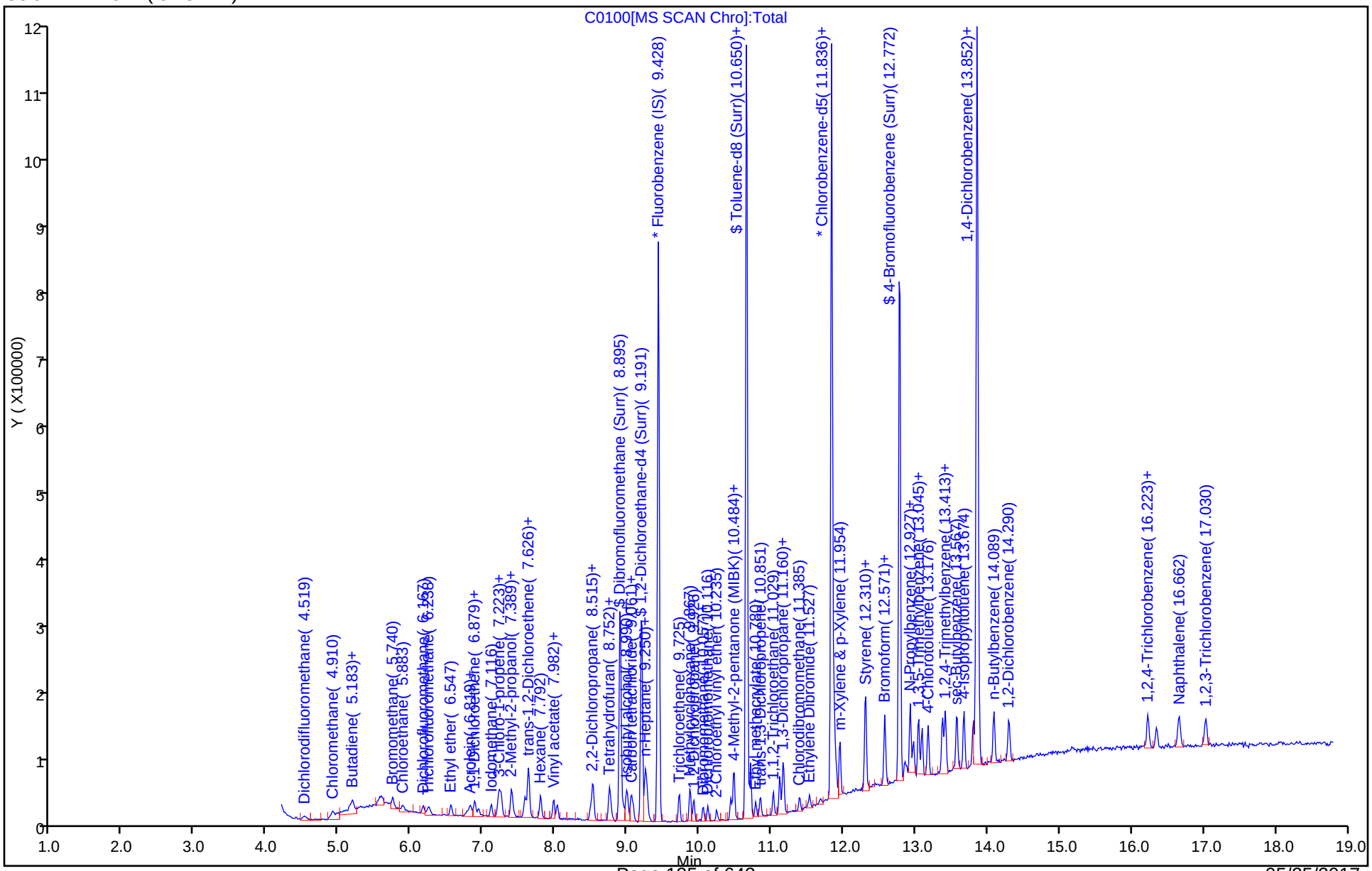
Report Date: 23-May-2017 13:19:31 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C0100.D

Injection Date:	22-May-2017 15:20:30	Instrument ID:	HP5973C	Operator ID:	LH
Lims ID:	IC			Worklist Smp#:	9
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 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

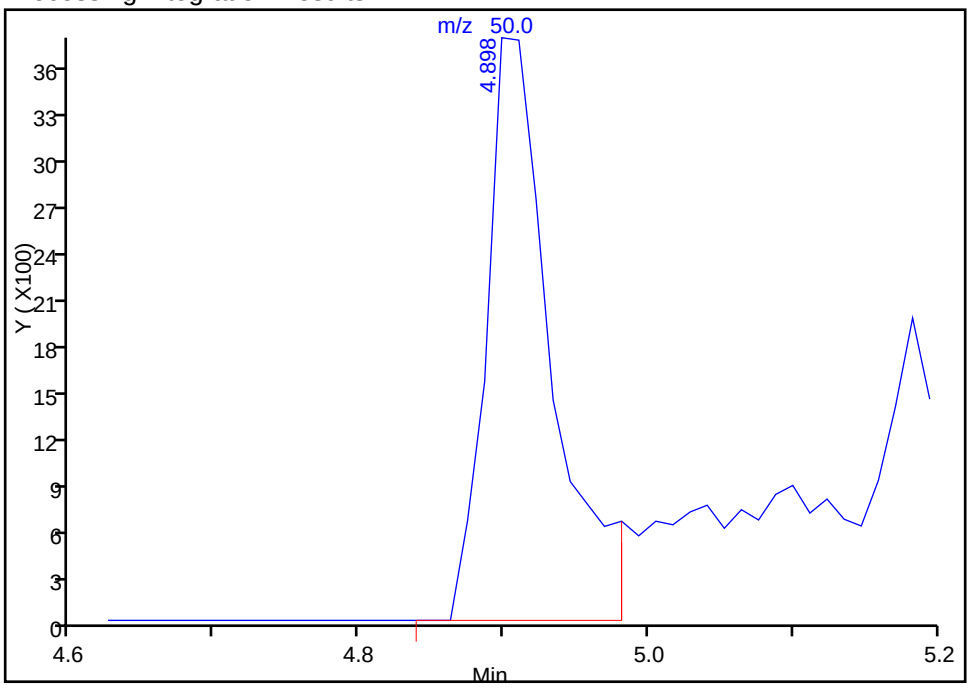
Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C0100.D
Injection Date: 22-May-2017 15:20:30 Instrument ID: HP5973C
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 10 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

12 Chloromethane, CAS: 74-87-3

Signal: 1

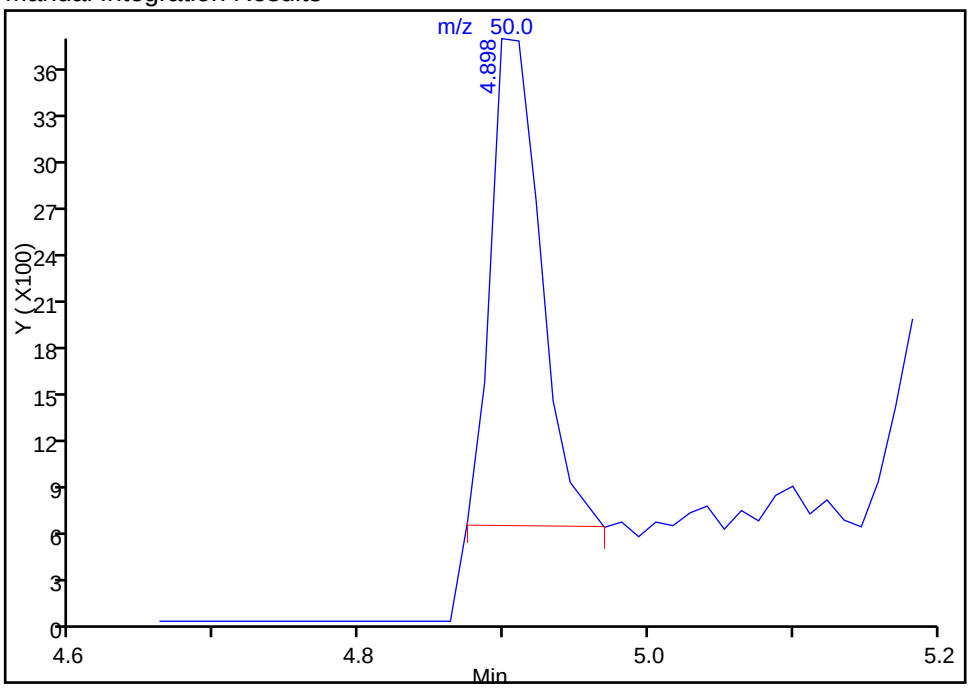
Processing Integration Results

RT: 4.90
Area: 11995
Amount: 1.345714
Amount Units: ug/L



Manual Integration Results

RT: 4.90
Area: 7563
Amount: 0.913368
Amount Units: ug/L



Reviewer: HillL, 23-May-2017 11:57:44
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

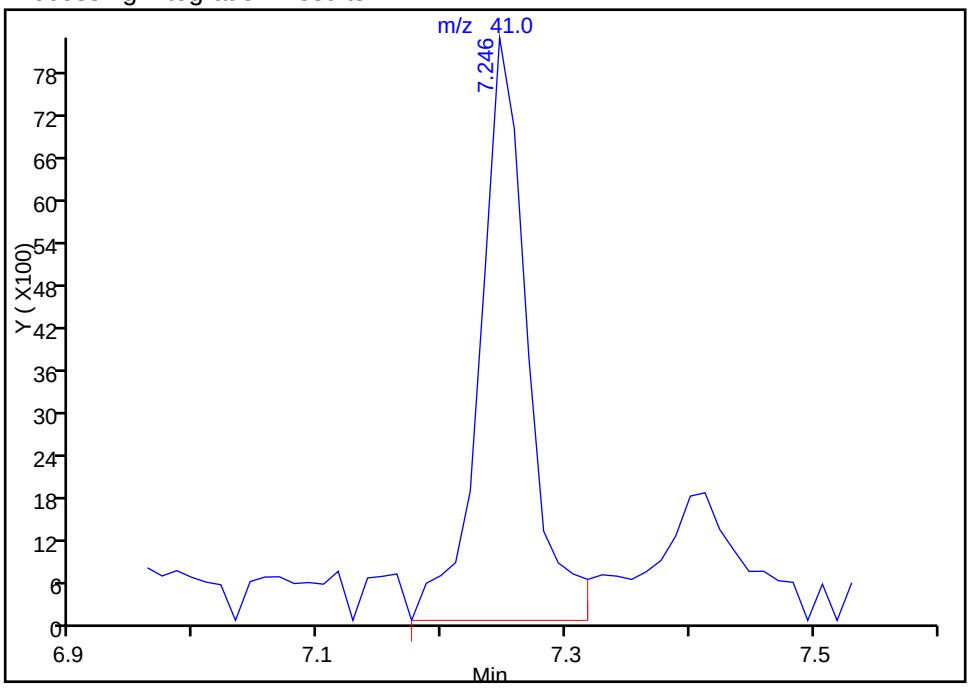
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Injection Date: 22-May-2017 15:20:30 Instrument ID: HP5973C
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 10 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

28 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

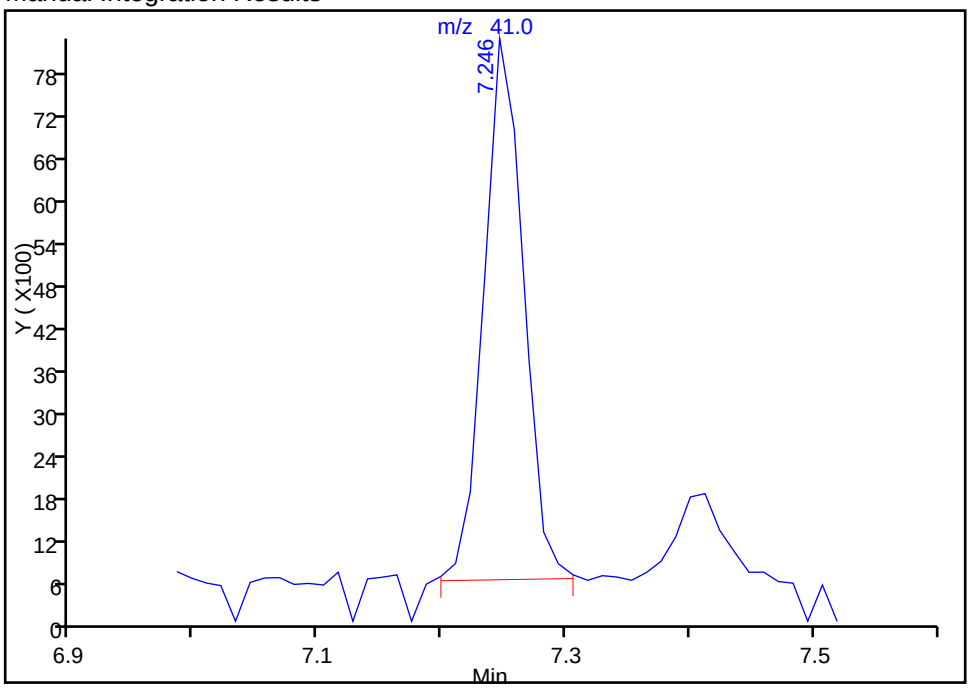
Processing Integration Results

RT: 7.25
Area: 21923
Amount: 1.269689
Amount Units: ug/L



Manual Integration Results

RT: 7.25
Area: 16970
Amount: 1.019384
Amount Units: ug/L



Reviewer: HillL, 23-May-2017 11:22:37
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

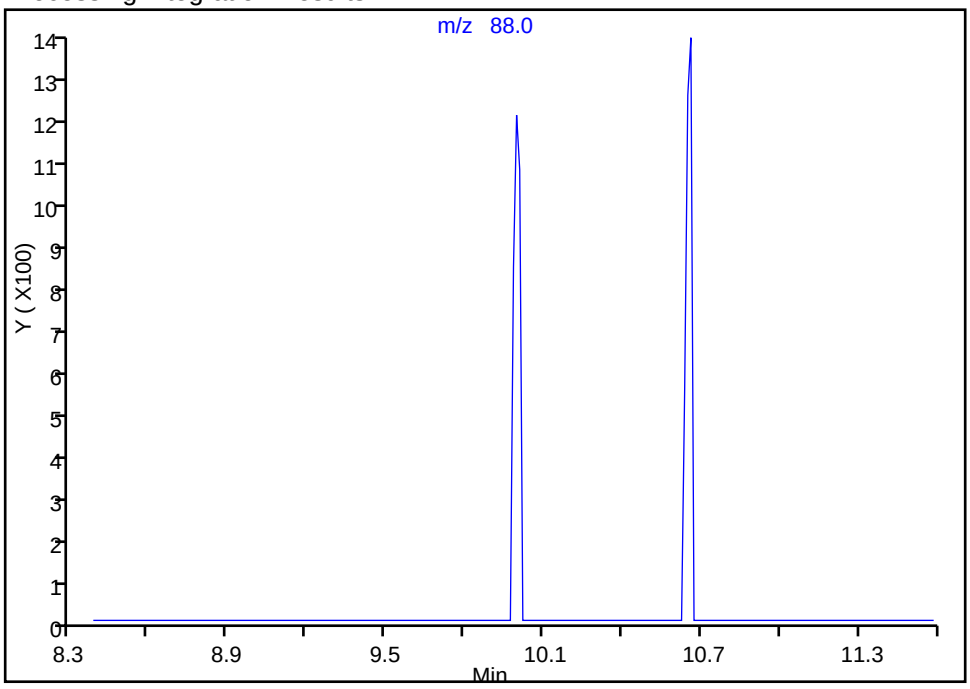
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Injection Date: 22-May-2017 15:20:30 Instrument ID: HP5973C
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 10 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

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

Signal: 1

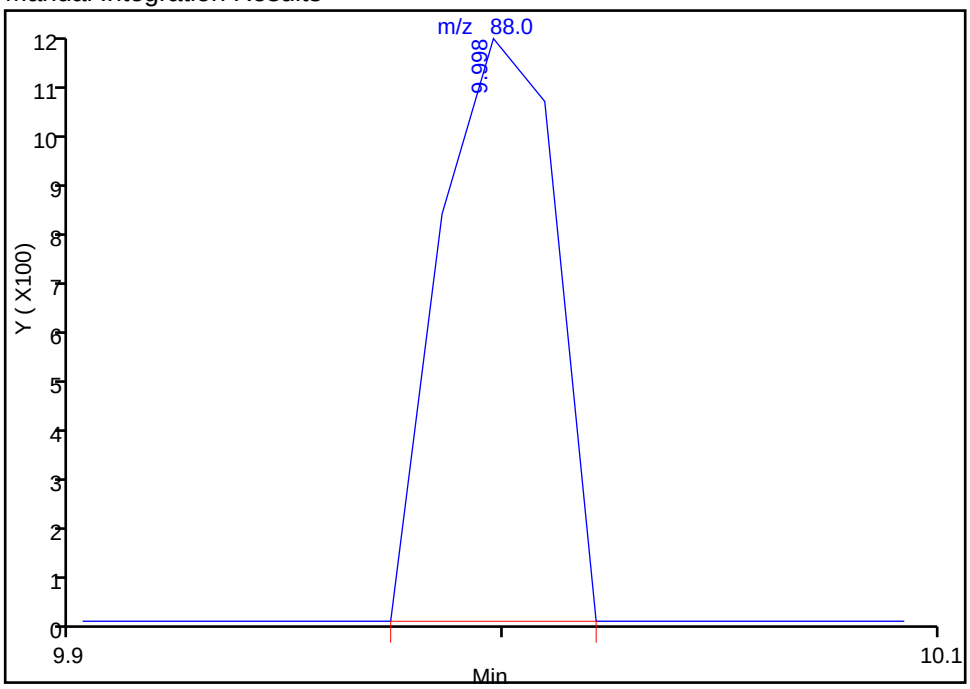
Not Detected
Expected RT: 9.99

Processing Integration Results



Manual Integration Results

RT: 10.00
Area: 2119
Amount: 16.031650
Amount Units: ug/L



Reviewer: HillL, 23-May-2017 11:41:07
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

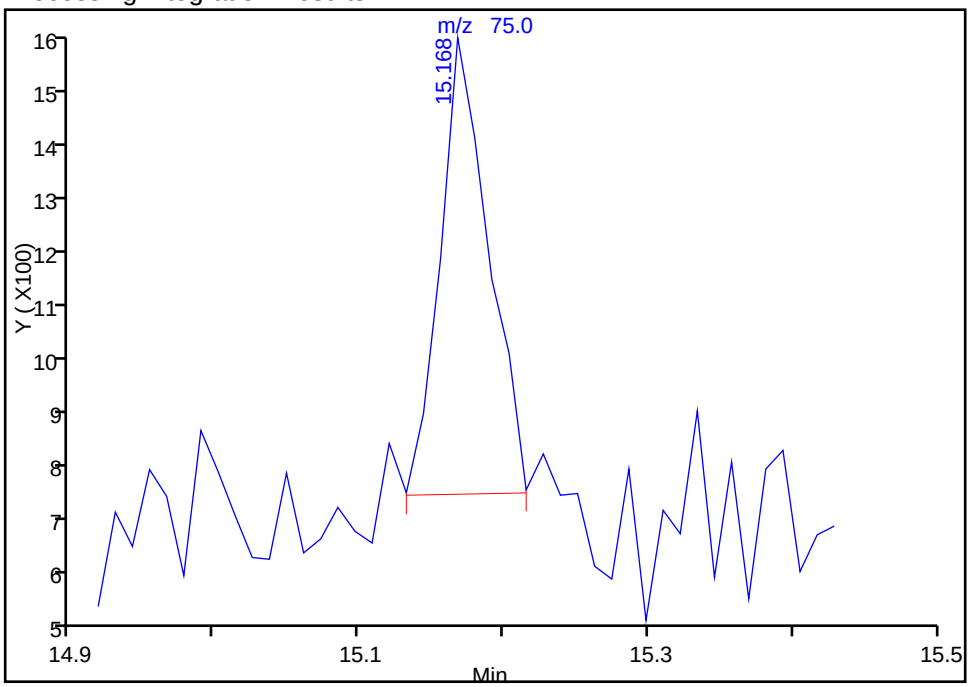
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Injection Date: 22-May-2017 15:20:30 Instrument ID: HP5973C
Lims ID: IC
Client ID:
Operator ID: LH ALS Bottle#: 10 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

117 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Signal: 1

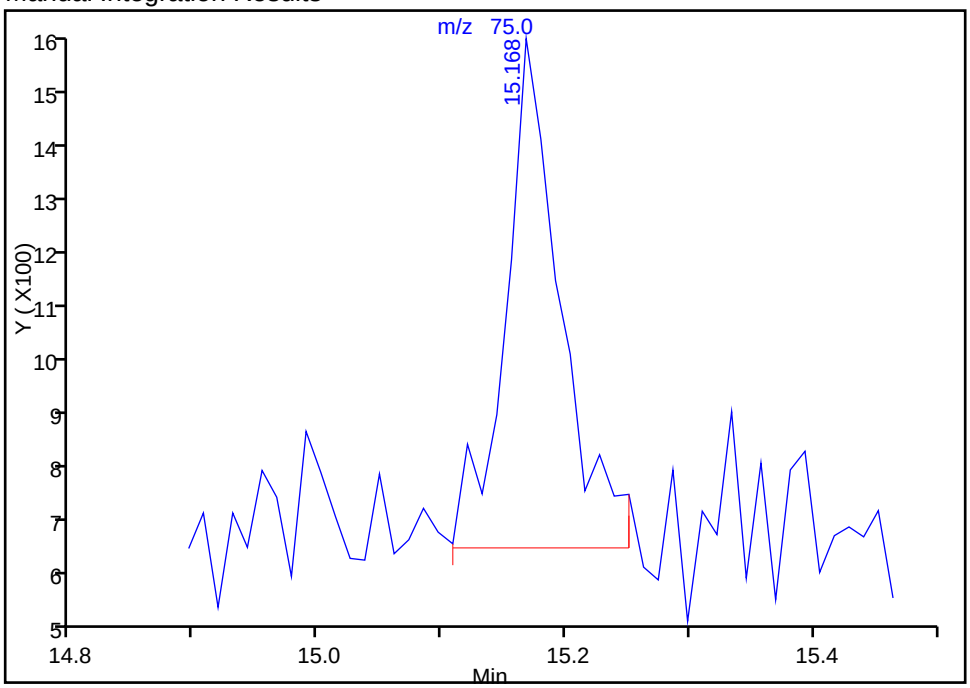
Processing Integration Results

RT: 15.17
Area: 1819
Amount: 0.768927
Amount Units: ug/L



Manual Integration Results

RT: 15.17
Area: 2711
Amount: 1.120419
Amount Units: ug/L



Reviewer: HillL, 23-May-2017 11:41:55
Audit Action: Manually Integrated Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C0101.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 22-May-2017 15:45:30 ALS Bottle#: 11 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0062694-010
Operator ID: LH Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 23-May-2017 13:19:32 Calib Date: 22-May-2017 22:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C0117.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: HillL Date: 23-May-2017 11:43:28

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	9.428	9.428	0.000	100	136264	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.836	11.836	0.000	83	321940	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.852	13.851	0.001	93	361755	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.895	8.895	0.000	94	191832	25.0	25.1	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.191	9.191	0.000	99	107370	25.0	25.1	
$ 5 Toluene-d8 (Surr)	98	10.650	10.650	0.000	92	793738	25.0	25.0	
$ 6 4-Bromofluorobenzene (Surr	174	12.784	12.784	0.000	98	265496	25.0	24.7	
10 Dichlorodifluoromethane	85	4.507	4.507	0.000	97	22254	2.00	1.77	
12 Chloromethane	50	4.898	4.910	-0.012	97	18655	2.00	2.25	
13 Vinyl chloride	62	5.147	5.147	0.000	96	13410	2.00	1.83	
151 Butadiene	54	5.183	5.195	-0.012	90	11766	2.00	1.89	
14 Bromomethane	94	5.740	5.740	0.000	90	18489	2.00	1.93	
15 Chloroethane	64	5.883	5.883	0.000	98	15802	2.00	1.97	
16 Dichlorofluoromethane	67	6.167	6.167	0.000	97	35268	2.00	1.87	
17 Trichlorofluoromethane	101	6.238	6.238	0.000	98	33392	2.00	1.85	
18 Ethyl ether	59	6.547	6.547	0.000	90	18663	2.00	2.00	
20 Acrolein	56	6.772	6.772	0.000	93	12496	10.0	8.49	
21 1,1,2-Trichloro-1,2,2-trif	101	6.819	6.819	0.000	90	20850	2.00	1.96	
22 1,1-Dichloroethene	96	6.879	6.879	0.000	97	20188	2.00	1.87	
23 Acetone	43	6.926	6.926	0.000	99	28297	10.0	10.0	
25 Iodomethane	142	7.104	7.104	0.000	98	39511	2.00	1.90	
26 Carbon disulfide	76	7.199	7.199	0.000	99	70446	2.00	1.90	
27 Methyl acetate	43	7.223	7.223	0.000	97	72173	10.0	9.88	
28 3-Chloro-1-propene	41	7.246	7.246	0.000	84	35539	2.00	2.13	
30 Methylene Chloride	84	7.389	7.389	0.000	90	28678	2.00	1.89	
31 2-Methyl-2-propanol	59	7.412	7.400	0.012	98	24063	20.0	18.9	
32 Methyl tert-butyl ether	73	7.578	7.578	0.000	95	63602	2.00	1.98	
33 Acrylonitrile	53	7.626	7.614	0.012	100	76258	20.0	19.7	
34 trans-1,2-Dichloroethene	96	7.638	7.626	0.012	98	28159	2.00	2.14	
35 Hexane	57	7.792	7.792	0.000	89	29447	2.00	1.96	

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	7.970	7.970	0.000	97	75399	4.00	3.72	
39 1,1-Dichloroethane	63	8.029	8.029	0.000	95	37648	2.00	1.96	
43 2-Butanone (MEK)	43	8.491	8.480	0.011	99	44420	10.0	9.48	
44 2,2-Dichloropropane	77	8.527	8.515	0.012	63	33168	2.00	2.02	
45 cis-1,2-Dichloroethene	96	8.515	8.515	0.000	79	29509	2.00	1.97	
48 Chlorobromomethane	128	8.741	8.740	0.000	91	14123	2.00	1.93	
50 Chloroform	83	8.752	8.752	0.000	93	41941	2.00	2.00	
49 Tetrahydrofuran	42	8.776	8.764	0.012	85	13654	4.00	4.04	
51 1,1,1-Trichloroethane	97	8.942	8.942	0.000	97	34989	2.00	2.00	
52 Cyclohexane	56	8.990	8.989	0.001	92	38724	2.00	1.95	
53 Isobutyl alcohol	43	9.001	9.001	0.000	87	28356	50.0	47.7	
54 1,1-Dichloropropene	75	9.049	9.049	0.000	95	28213	2.00	1.94	
55 Carbon tetrachloride	117	9.073	9.072	0.001	96	30139	2.00	1.91	
57 Benzene	78	9.250	9.250	0.000	93	91528	2.00	1.97	
58 1,2-Dichloroethane	62	9.262	9.250	0.012	96	29937	2.00	2.00	
59 n-Heptane	43	9.274	9.274	0.000	92	30207	2.00	2.07	
62 Trichloroethene	95	9.713	9.713	0.000	94	24894	2.00	2.00	
64 Methylcyclohexane	83	9.867	9.867	0.000	88	35901	2.00	1.89	
65 1,2-Dichloropropane	63	9.926	9.914	0.012	95	23266	2.00	2.00	
66 1,4-Dioxane	88	9.986	9.986	0.000	0	4977	40.0	37.7	M
67 Dibromomethane	93	10.045	10.045	0.000	93	14561	2.00	1.94	
68 Dichlorobromomethane	83	10.116	10.116	0.000	98	25207	2.00	1.82	
69 2-Chloroethyl vinyl ether	63	10.247	10.235	0.012	92	12476	2.00	1.73	
72 cis-1,3-Dichloropropene	75	10.436	10.436	0.000	99	34968	2.00	1.86	
73 4-Methyl-2-pentanone (MIBK	43	10.472	10.472	0.000	94	95495	10.0	9.37	
74 Toluene	92	10.709	10.709	0.000	98	61674	2.00	1.97	
75 Ethyl methacrylate	69	10.780	10.780	0.000	89	21761	2.00	1.68	
77 trans-1,3-Dichloropropene	75	10.839	10.839	0.000	90	31271	2.00	1.83	
79 1,1,2-Trichloroethane	83	11.029	11.029	0.000	89	17080	2.00	1.88	
80 2-Hexanone	43	11.112	11.112	0.000	95	70149	10.0	9.45	
81 Tetrachloroethene	166	11.160	11.160	0.000	95	29234	2.00	1.93	
82 1,3-Dichloropropane	76	11.172	11.171	0.001	90	35729	2.00	1.93	
83 Chlorodibromomethane	129	11.385	11.385	0.000	89	21275	2.00	1.73	
84 Ethylene Dibromide	107	11.527	11.527	0.000	99	21884	2.00	1.85	
87 Chlorobenzene	112	11.859	11.859	0.000	97	77363	2.00	2.00	
88 Ethylbenzene	91	11.871	11.871	0.000	95	122235	2.00	2.03	
89 1,1,1,2-Tetrachloroethane	131	11.895	11.895	0.000	92	26661	2.00	1.92	
90 m-Xylene & p-Xylene	106	11.954	11.954	0.000	99	48722	2.00	1.91	
91 o-Xylene	106	12.298	12.298	0.000	95	49981	2.00	1.98	
92 Styrene	104	12.310	12.310	0.000	92	71687	2.00	1.84	
94 Isopropylbenzene	105	12.571	12.571	0.000	95	122733	2.00	1.93	
95 Bromoform	173	12.583	12.583	0.000	96	12592	2.00	1.68	
97 1,1,2,2-Tetrachloroethane	83	12.855	12.855	0.000	95	27384	2.00	1.88	
98 trans-1,4-Dichloro-2-buten	53	12.879	12.879	0.000	91	7542	2.00	1.89	
99 N-Propylbenzene	91	12.927	12.927	0.001	98	136293	2.00	1.92	
100 1,2,3-Trichloropropane	110	12.938	12.938	0.000	82	9697	2.00	1.94	
101 Bromobenzene	156	12.974	12.974	0.000	86	34296	2.00	1.96	
102 1,3,5-Trimethylbenzene	105	13.045	13.045	0.000	94	102884	2.00	1.94	
103 2-Chlorotoluene	126	13.093	13.093	0.000	99	32190	2.00	1.98	
105 4-Chlorotoluene	126	13.176	13.176	0.000	96	32952	2.00	1.92	
106 tert-Butylbenzene	134	13.377	13.377	0.000	90	26732	2.00	2.05	
107 1,2,4-Trimethylbenzene	105	13.413	13.413	0.000	94	106410	2.00	1.92	

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	13.567	13.579	-0.012	93	131682	2.00	1.95	
110 4-Isopropyltoluene	119	13.674	13.674	0.000	97	110920	2.00	1.89	
111 1,3-Dichlorobenzene	146	13.804	13.804	0.000	96	65360	2.00	1.94	
113 1,4-Dichlorobenzene	146	13.875	13.875	0.000	97	67419	2.00	1.96	
115 n-Butylbenzene	91	14.089	14.089	0.000	97	90875	2.00	1.89	
116 1,2-Dichlorobenzene	146	14.302	14.302	0.000	99	64002	2.00	1.95	
117 1,2-Dibromo-3-Chloropropan	75	15.168	15.168	0.000	88	4085	2.00	1.68	
119 1,2,4-Trichlorobenzene	180	16.223	16.223	0.000	95	45019	2.00	1.88	
120 Hexachlorobutadiene	225	16.342	16.342	0.000	95	16309	2.00	1.87	
121 Naphthalene	128	16.662	16.662	0.000	96	107925	2.00	1.82	
122 1,2,3-Trichlorobenzene	180	17.030	17.030	0.000	96	41968	2.00	1.91	
S 123 Total BTEX	1				0			9.85	
S 124 Xylenes, Total	1				0			3.89	
S 125 1,2-Dichloroethene, Total	1				0			4.10	
S 126 1,3-Dichloropropene, Total	1				0			3.69	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00099	Amount Added:	2.00	Units: uL	
GAS CORP mix_00221	Amount Added:	2.00	Units: uL	
C_8260_IS_00085	Amount Added:	1.00	Units: uL	Run Reagent
C_8260_Surr_00092	Amount Added:	1.00	Units: uL	Run Reagent

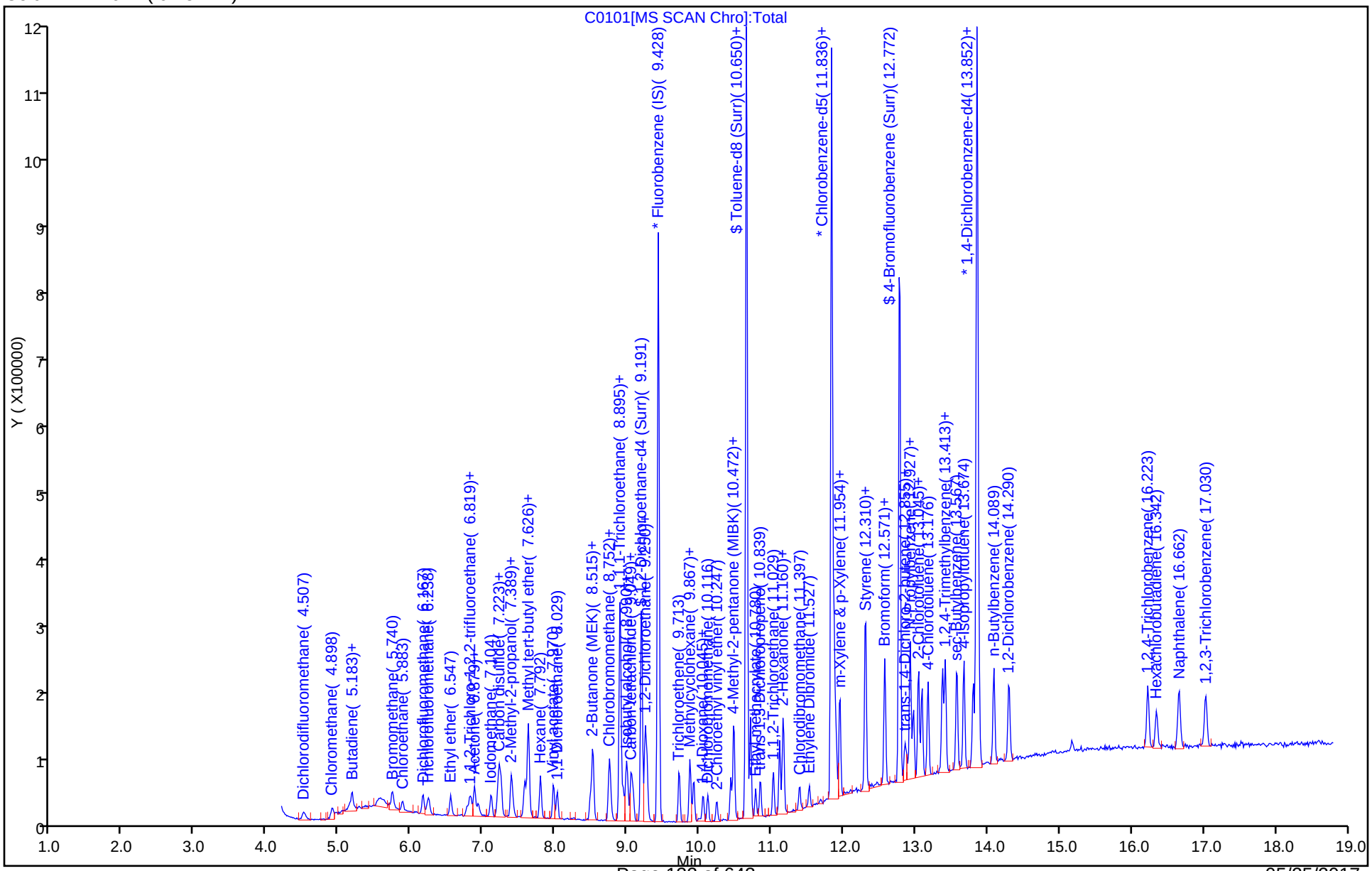
Report Date: 23-May-2017 13:19:33 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C0101.D

Injection Date:	22-May-2017 15:45:30	Instrument ID:	HP5973C	Operator ID:	LH
Lims ID:	IC 2			Worklist Smp#:	10
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 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

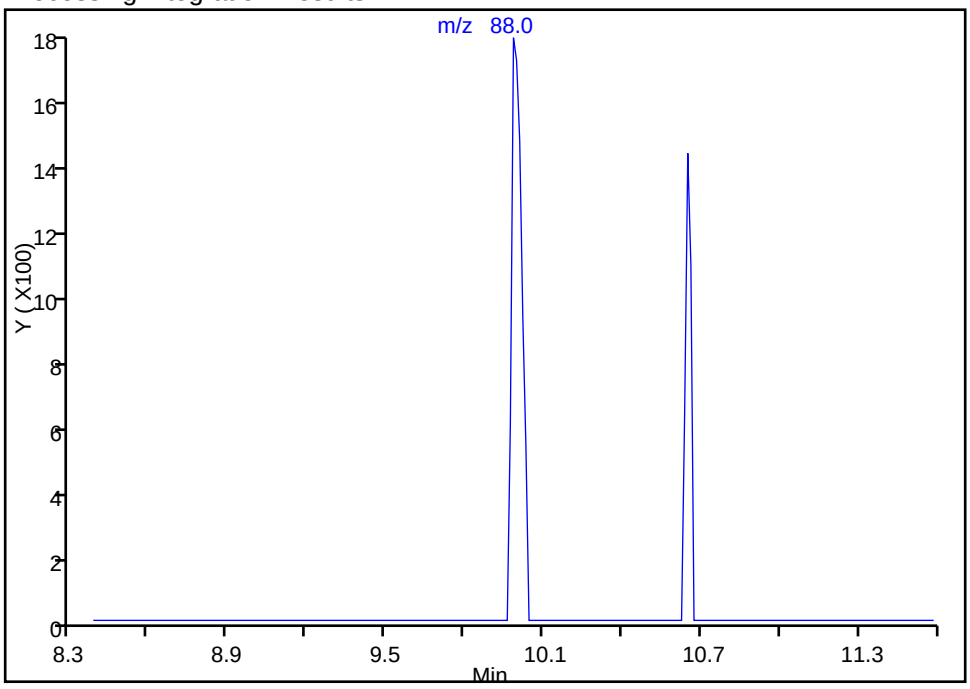
Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C0101.D
Injection Date: 22-May-2017 15:45:30 Instrument ID: HP5973C
Lims ID: IC 2
Client ID:
Operator ID: LH ALS Bottle#: 11 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

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

Signal: 1

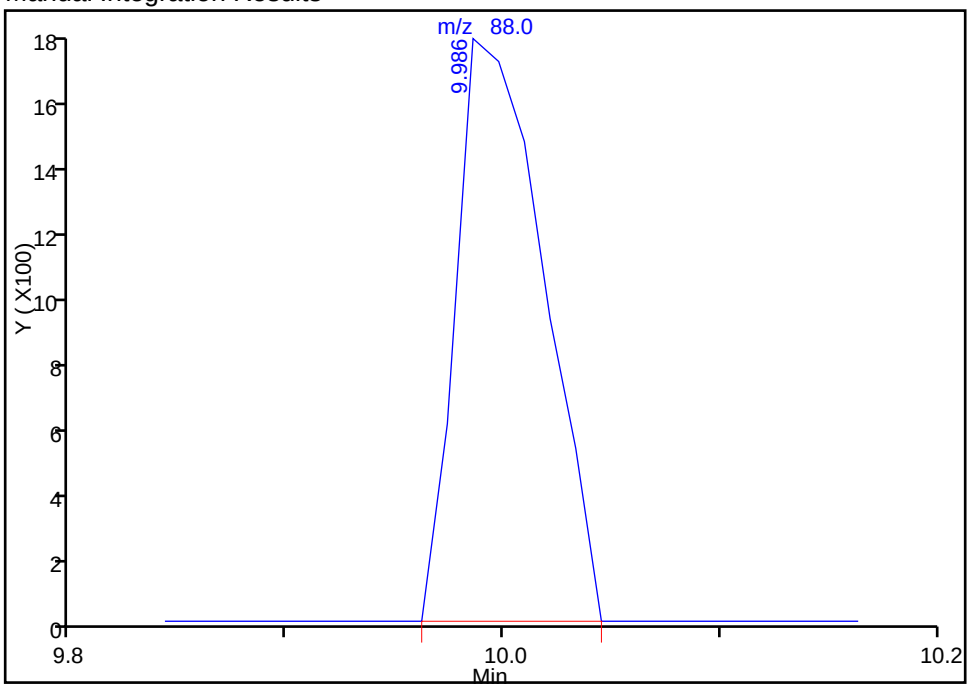
Not Detected
Expected RT: 9.99

Processing Integration Results



Manual Integration Results

RT: 9.99
Area: 4977
Amount: 37.666844
Amount Units: ug/L



Reviewer: HillL, 23-May-2017 11:42:52
Audit Action: Manually Integrated Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C0102.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 22-May-2017 16:10:30 ALS Bottle#: 12 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0062694-011
Operator ID: LH Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 23-May-2017 13:19:34 Calib Date: 22-May-2017 22:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C0117.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: HillL Date: 23-May-2017 11:44:31

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	9.428	9.428	0.000	100	138384	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.836	11.836	0.000	84	325540	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.852	13.852	0.000	93	367521	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.895	8.895	0.000	94	192657	25.0	24.8	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.191	9.191	0.000	99	109129	25.0	25.1	
$ 5 Toluene-d8 (Surr)	98	10.650	10.650	0.000	92	800743	25.0	24.9	
$ 6 4-Bromofluorobenzene (Surr	174	12.784	12.784	0.000	97	270319	25.0	24.9	
10 Dichlorodifluoromethane	85	4.507	4.507	0.000	99	68248	5.00	5.35	
12 Chloromethane	50	4.910	4.910	0.000	98	43027	5.00	5.11	
13 Vinyl chloride	62	5.147	5.147	0.000	97	37164	5.00	4.99	
151 Butadiene	54	5.183	5.183	0.000	90	32660	5.00	5.17	
14 Bromomethane	94	5.740	5.740	0.000	91	48791	5.00	5.02	
15 Chloroethane	64	5.883	5.883	0.000	100	41708	5.00	5.12	
16 Dichlorofluoromethane	67	6.167	6.167	0.000	97	96952	5.00	5.06	
17 Trichlorofluoromethane	101	6.238	6.238	0.000	98	96895	5.00	5.29	
18 Ethyl ether	59	6.547	6.547	0.000	91	46353	5.00	4.90	
20 Acrolein	56	6.772	6.772	0.000	99	35944	25.0	24.1	
21 1,1,2-Trichloro-1,2,2-trif	101	6.819	6.819	0.000	91	56777	5.00	5.26	
22 1,1-Dichloroethene	96	6.879	6.879	0.000	96	57247	5.00	5.22	
23 Acetone	43	6.926	6.926	0.000	99	70244	25.0	24.4	
25 Iodomethane	142	7.104	7.104	0.000	98	104346	5.00	4.94	
26 Carbon disulfide	76	7.199	7.199	0.000	99	190670	5.00	5.06	
27 Methyl acetate	43	7.223	7.223	0.000	97	184656	25.0	24.9	
28 3-Chloro-1-propene	41	7.246	7.246	0.000	86	88381	5.00	5.22	
30 Methylene Chloride	84	7.389	7.389	0.000	91	65593	5.00	4.98	
31 2-Methyl-2-propanol	59	7.412	7.412	0.000	99	62908	50.0	48.6	
32 Methyl tert-butyl ether	73	7.578	7.578	0.000	95	160199	5.00	4.90	
33 Acrylonitrile	53	7.614	7.614	0.000	100	199112	50.0	50.7	
34 trans-1,2-Dichloroethene	96	7.638	7.638	0.000	97	68487	5.00	5.12	
35 Hexane	57	7.792	7.792	0.000	90	82488	5.00	5.40	

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	7.970	7.970	0.000	97	197880	10.0	9.61	
39 1,1-Dichloroethane	63	8.029	8.029	0.000	96	100026	5.00	5.12	
43 2-Butanone (MEK)	43	8.480	8.480	0.000	100	118000	25.0	24.8	
45 cis-1,2-Dichloroethene	96	8.515	8.515	0.000	80	75683	5.00	4.96	
44 2,2-Dichloropropane	77	8.527	8.527	0.000	67	82678	5.00	4.95	
48 Chlorobromomethane	128	8.741	8.741	0.000	92	36141	5.00	4.86	
50 Chloroform	83	8.752	8.752	0.000	93	103849	5.00	4.88	
49 Tetrahydrofuran	42	8.764	8.764	0.000	93	32983	10.0	9.62	
51 1,1,1-Trichloroethane	97	8.942	8.942	0.000	98	89950	5.00	5.06	
52 Cyclohexane	56	8.990	8.990	0.000	91	105432	5.00	5.23	
53 Isobutyl alcohol	43	9.001	9.001	0.000	91	71271	125.0	118.2	
54 1,1-Dichloropropene	75	9.049	9.049	0.000	97	78846	5.00	5.34	
55 Carbon tetrachloride	117	9.073	9.073	0.000	96	81070	5.00	5.06	
58 1,2-Dichloroethane	62	9.262	9.262	0.000	97	75639	5.00	4.97	
57 Benzene	78	9.250	9.250	0.000	94	243418	5.00	5.15	
59 n-Heptane	43	9.274	9.274	0.000	91	78140	5.00	5.27	
62 Trichloroethene	95	9.713	9.713	0.000	94	64048	5.00	5.06	
64 Methylcyclohexane	83	9.867	9.867	0.000	87	103247	5.00	5.34	
65 1,2-Dichloropropane	63	9.926	9.926	0.000	96	59049	5.00	5.01	
66 1,4-Dioxane	88	9.986	9.986	0.000	94	13084	100.0	97.9	
67 Dibromomethane	93	10.045	10.045	0.000	92	37314	5.00	4.90	
68 Dichlorobromomethane	83	10.116	10.116	0.000	99	68156	5.00	4.84	
69 2-Chloroethyl vinyl ether	63	10.247	10.247	0.000	93	34773	5.00	4.76	
72 cis-1,3-Dichloropropene	75	10.436	10.436	0.000	98	92023	5.00	4.82	
73 4-Methyl-2-pentanone (MIBK	43	10.472	10.472	0.000	94	257495	25.0	25.0	
74 Toluene	92	10.709	10.709	0.000	99	164103	5.00	5.18	
75 Ethyl methacrylate	69	10.780	10.780	0.000	89	59771	5.00	4.58	
77 trans-1,3-Dichloropropene	75	10.839	10.839	0.000	91	83739	5.00	4.84	
79 1,1,2-Trichloroethane	83	11.029	11.029	0.000	88	45873	5.00	5.00	
80 2-Hexanone	43	11.112	11.112	0.000	95	181451	25.0	24.2	
81 Tetrachloroethene	166	11.160	11.160	0.000	96	80247	5.00	5.23	
82 1,3-Dichloropropane	76	11.171	11.171	0.000	91	94405	5.00	5.04	
83 Chlorodibromomethane	129	11.385	11.385	0.000	89	57175	5.00	4.60	
84 Ethylene Dibromide	107	11.527	11.527	0.000	100	56903	5.00	4.76	
87 Chlorobenzene	112	11.859	11.859	0.000	97	201310	5.00	5.16	
88 Ethylbenzene	91	11.871	11.871	0.000	97	310356	5.00	5.09	
89 1,1,1,2-Tetrachloroethane	131	11.895	11.895	0.000	93	68761	5.00	4.91	
90 m-Xylene & p-Xylene	106	11.954	11.954	0.000	99	131193	5.00	5.10	
91 o-Xylene	106	12.298	12.298	0.000	95	129784	5.00	5.08	
92 Styrene	104	12.310	12.310	0.000	93	194447	5.00	4.94	
94 Isopropylbenzene	105	12.571	12.571	0.000	95	329538	5.00	5.11	
95 Bromoform	173	12.583	12.583	0.000	97	34867	5.00	4.61	
97 1,1,2,2-Tetrachloroethane	83	12.855	12.855	0.000	96	71697	5.00	4.86	
98 trans-1,4-Dichloro-2-buten	53	12.879	12.879	0.000	92	19974	5.00	4.94	
99 N-Propylbenzene	91	12.927	12.927	0.000	98	363965	5.00	5.05	
100 1,2,3-Trichloropropane	110	12.938	12.938	0.000	82	25245	5.00	4.96	
101 Bromobenzene	156	12.974	12.974	0.000	83	90867	5.00	5.12	
102 1,3,5-Trimethylbenzene	105	13.045	13.045	0.000	94	270801	5.00	5.04	
103 2-Chlorotoluene	126	13.093	13.093	0.000	99	84718	5.00	5.14	
105 4-Chlorotoluene	126	13.176	13.176	0.000	96	88031	5.00	5.06	
106 tert-Butylbenzene	134	13.377	13.377	0.000	90	65561	5.00	4.96	
107 1,2,4-Trimethylbenzene	105	13.413	13.413	0.000	94	279346	5.00	4.97	

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	13.567	13.567	0.000	93	345378	5.00	5.04	
110 4-Isopropyltoluene	119	13.674	13.674	0.000	97	298596	5.00	5.01	
111 1,3-Dichlorobenzene	146	13.804	13.804	0.000	96	172979	5.00	5.06	
113 1,4-Dichlorobenzene	146	13.875	13.875	0.000	96	176380	5.00	5.05	
115 n-Butylbenzene	91	14.089	14.089	0.000	97	246050	5.00	5.03	
116 1,2-Dichlorobenzene	146	14.302	14.302	0.000	99	163088	5.00	4.89	
117 1,2-Dibromo-3-Chloropropan	75	15.180	15.180	0.000	90	11759	5.00	4.76	
119 1,2,4-Trichlorobenzene	180	16.223	16.223	0.000	95	117171	5.00	4.82	
120 Hexachlorobutadiene	225	16.342	16.342	0.000	98	43993	5.00	4.98	
121 Naphthalene	128	16.662	16.662	0.000	96	284818	5.00	4.72	
122 1,2,3-Trichlorobenzene	180	17.030	17.030	0.000	97	108310	5.00	4.84	
S 125 1,2-Dichloroethene, Total	1				0			10.1	
S 126 1,3-Dichloropropene, Total	1				0			9.66	
S 123 Total BTEX	1				0			25.6	
S 124 Xylenes, Total	1				0			10.2	

Reagents:

8260 CORP mix_00099	Amount Added:	5.00	Units: uL	
GAS CORP mix_00221	Amount Added:	5.00	Units: uL	
C_8260_IS_00085	Amount Added:	1.00	Units: uL	Run Reagent
C_8260_Surr_00092	Amount Added:	1.00	Units: uL	Run Reagent

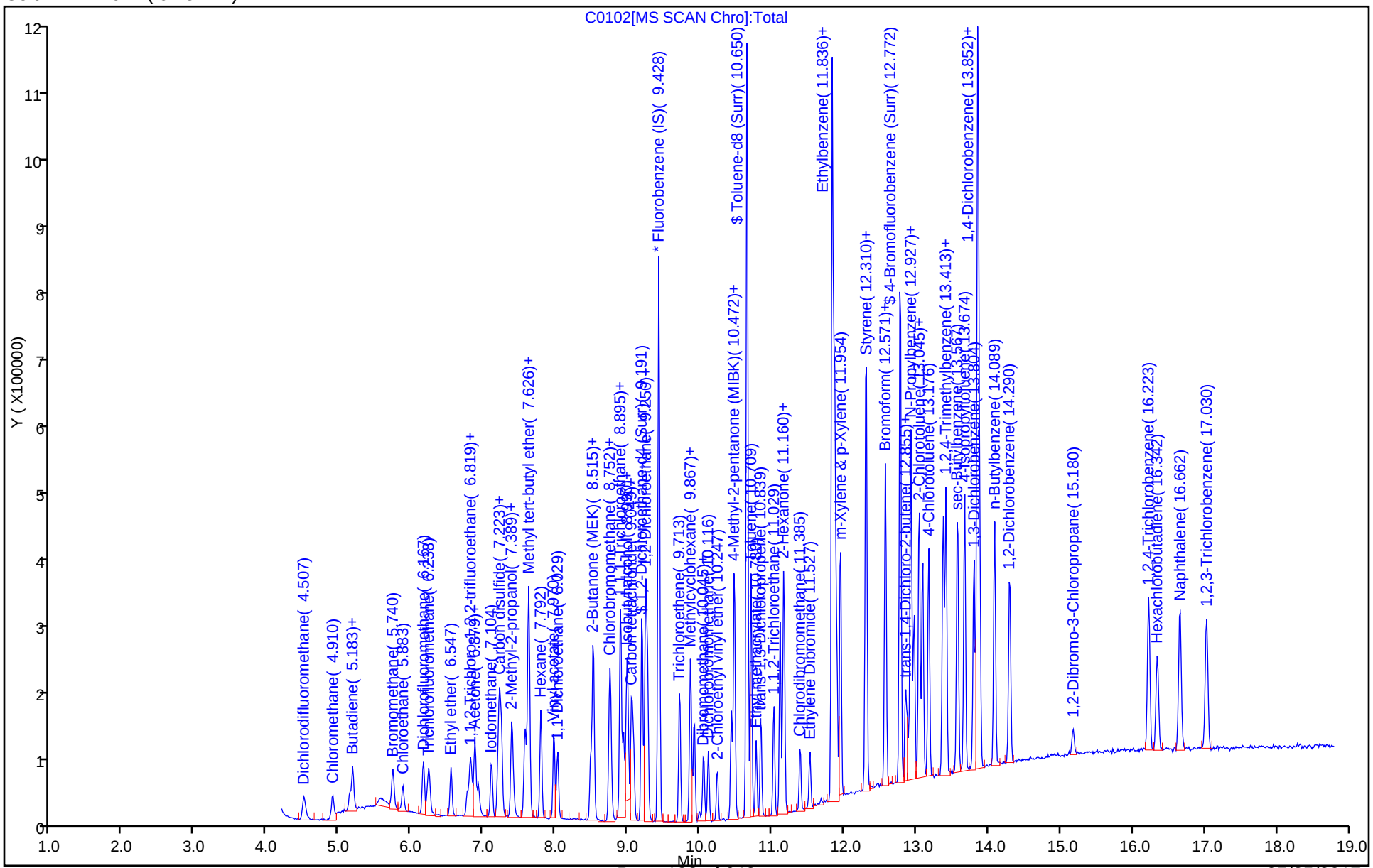
Report Date: 23-May-2017 13:19:36 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C0102.D

Injection Date:	22-May-2017 16:10:30	Instrument ID:	HP5973C	Operator ID:	LH
Lims ID:	IC 3			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C0103.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 22-May-2017 16:35:30 ALS Bottle#: 13 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 4
Misc. Info.: 480-0062694-012
Operator ID: LH Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 23-May-2017 13:19:37 Calib Date: 22-May-2017 22:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C0117.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: HillL Date: 23-May-2017 11:45:25

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	9.428	9.428	0.000	100	137293	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.836	11.836	0.000	89	325654	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.852	13.852	0.000	93	366546	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.895	8.895	0.000	94	194912	25.0	25.3	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.191	9.191	0.000	98	109068	25.0	25.3	
$ 5 Toluene-d8 (Surr)	98	10.650	10.650	0.000	92	803936	25.0	25.0	
$ 6 4-Bromofluorobenzene (Surr	174	12.784	12.784	0.000	97	271580	25.0	25.0	
10 Dichlorodifluoromethane	85	4.507	4.507	0.000	99	142645	10.0	11.3	
12 Chloromethane	50	4.910	4.910	0.000	99	88111	10.0	10.5	
13 Vinyl chloride	62	5.147	5.147	0.000	98	78263	10.0	10.6	
151 Butadiene	54	5.183	5.183	0.000	88	67275	10.0	10.7	
14 Bromomethane	94	5.740	5.740	0.000	90	98765	10.0	10.2	
15 Chloroethane	64	5.883	5.883	0.000	99	84390	10.0	10.4	
16 Dichlorofluoromethane	67	6.167	6.167	0.000	97	200018	10.0	10.5	
17 Trichlorofluoromethane	101	6.238	6.238	0.000	98	205130	10.0	11.3	
18 Ethyl ether	59	6.547	6.547	0.000	91	95289	10.0	10.2	
20 Acrolein	56	6.772	6.772	0.000	99	75484	50.0	50.9	
21 1,1,2-Trichloro-1,2,2-trif	101	6.820	6.819	0.001	90	118315	10.0	11.0	
22 1,1-Dichloroethene	96	6.879	6.879	0.000	95	121312	10.0	11.1	
23 Acetone	43	6.926	6.926	0.000	100	141130	50.0	49.5	
25 Iodomethane	142	7.104	7.104	0.000	98	219501	10.0	10.5	
26 Carbon disulfide	76	7.199	7.199	0.000	100	392037	10.0	10.5	
27 Methyl acetate	43	7.223	7.223	0.000	98	380265	50.0	51.7	
28 3-Chloro-1-propene	41	7.246	7.246	0.000	83	170483	10.0	10.2	
30 Methylene Chloride	84	7.389	7.389	0.000	91	130155	10.0	10.6	
31 2-Methyl-2-propanol	59	7.412	7.412	0.000	99	131065	100.0	102.0	
32 Methyl tert-butyl ether	73	7.578	7.578	0.000	95	328633	10.0	10.1	
33 Acrylonitrile	53	7.614	7.614	0.000	100	410671	100.0	105.4	
34 trans-1,2-Dichloroethene	96	7.626	7.638	-0.012	97	136396	10.0	10.3	
35 Hexane	57	7.792	7.792	0.000	90	167993	10.0	11.1	

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	7.970	7.970	0.000	97	418824	20.0	20.5	
39 1,1-Dichloroethane	63	8.029	8.029	0.000	96	202092	10.0	10.4	
43 2-Butanone (MEK)	43	8.480	8.480	0.000	99	244046	50.0	51.7	
44 2,2-Dichloropropane	77	8.515	8.527	-0.012	65	170269	10.0	10.3	
45 cis-1,2-Dichloroethene	96	8.515	8.515	0.000	82	153606	10.0	10.2	
48 Chlorobromomethane	128	8.741	8.741	0.001	91	76584	10.0	10.4	
50 Chloroform	83	8.752	8.752	0.000	93	212436	10.0	10.1	
49 Tetrahydrofuran	42	8.764	8.764	0.000	87	66225	20.0	19.5	
51 1,1,1-Trichloroethane	97	8.942	8.942	0.000	97	189155	10.0	10.7	
52 Cyclohexane	56	8.990	8.990	0.000	92	221181	10.0	11.1	
53 Isobutyl alcohol	43	9.001	9.001	0.000	91	148695	250.0	248.5	
54 1,1-Dichloropropene	75	9.049	9.049	0.000	97	158376	10.0	10.8	
55 Carbon tetrachloride	117	9.073	9.073	0.000	95	171077	10.0	10.8	
57 Benzene	78	9.251	9.250	0.000	95	492073	10.0	10.5	
58 1,2-Dichloroethane	62	9.251	9.262	-0.012	97	156110	10.0	10.3	
59 n-Heptane	43	9.274	9.274	0.000	91	158408	10.0	10.8	
62 Trichloroethene	95	9.713	9.713	0.000	94	132081	10.0	10.5	
64 Methylcyclohexane	83	9.867	9.867	0.000	88	213065	10.0	11.1	
65 1,2-Dichloropropane	63	9.915	9.926	-0.011	97	123871	10.0	10.6	
66 1,4-Dioxane	88	9.986	9.986	0.000	91	27111	200.0	202.8	
67 Dibromomethane	93	10.045	10.045	0.000	92	77621	10.0	10.3	
68 Dichlorobromomethane	83	10.116	10.116	0.000	99	142147	10.0	10.2	
69 2-Chloroethyl vinyl ether	63	10.235	10.247	-0.012	93	72768	10.0	10.0	
72 cis-1,3-Dichloropropene	75	10.436	10.436	0.000	98	194988	10.0	10.3	
73 4-Methyl-2-pentanone (MIBK	43	10.472	10.472	0.000	95	530837	50.0	51.5	
74 Toluene	92	10.709	10.709	0.000	99	337063	10.0	10.6	
75 Ethyl methacrylate	69	10.780	10.780	0.000	89	131085	10.0	10.0	
77 trans-1,3-Dichloropropene	75	10.840	10.839	0.001	91	176493	10.0	10.2	
79 1,1,2-Trichloroethane	83	11.029	11.029	0.000	89	94672	10.0	10.3	
80 2-Hexanone	43	11.112	11.112	0.000	94	381006	50.0	50.8	
81 Tetrachloroethene	166	11.160	11.160	0.000	96	164527	10.0	10.7	
82 1,3-Dichloropropane	76	11.172	11.171	0.001	90	195363	10.0	10.4	
83 Chlorodibromomethane	129	11.385	11.385	0.000	90	123432	10.0	9.92	
84 Ethylene Dibromide	107	11.527	11.527	0.000	98	122027	10.0	10.2	
87 Chlorobenzene	112	11.859	11.859	0.000	95	409475	10.0	10.5	
88 Ethylbenzene	91	11.871	11.871	0.000	97	641883	10.0	10.5	
89 1,1,1,2-Tetrachloroethane	131	11.895	11.895	0.000	94	143505	10.0	10.2	
90 m-Xylene & p-Xylene	106	11.954	11.954	0.000	100	271762	10.0	10.6	
91 o-Xylene	106	12.298	12.298	0.000	94	266023	10.0	10.4	
92 Styrene	104	12.310	12.310	0.000	94	412051	10.0	10.5	
94 Isopropylbenzene	105	12.571	12.571	0.000	95	686588	10.0	10.7	
95 Bromoform	173	12.583	12.583	0.000	98	75568	10.0	10.0	
97 1,1,2,2-Tetrachloroethane	83	12.855	12.855	0.000	95	150741	10.0	10.2	
98 trans-1,4-Dichloro-2-buten	53	12.879	12.879	0.000	91	40974	10.0	10.2	
99 N-Propylbenzene	91	12.927	12.927	0.000	98	756764	10.0	10.5	
100 1,2,3-Trichloropropane	110	12.938	12.938	0.000	82	51252	10.0	10.1	
101 Bromobenzene	156	12.974	12.974	0.000	83	181971	10.0	10.3	
102 1,3,5-Trimethylbenzene	105	13.045	13.045	0.000	95	566424	10.0	10.6	
103 2-Chlorotoluene	126	13.093	13.093	0.000	99	175053	10.0	10.6	
105 4-Chlorotoluene	126	13.176	13.176	0.000	96	183060	10.0	10.5	
106 tert-Butylbenzene	134	13.377	13.377	0.000	91	134477	10.0	10.2	
107 1,2,4-Trimethylbenzene	105	13.413	13.413	0.000	94	591629	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
109 sec-Butylbenzene	105	13.567	13.567	0.000	93	723229	10.0	10.6	
110 4-Isopropyltoluene	119	13.674	13.674	0.000	97	625792	10.0	10.5	
111 1,3-Dichlorobenzene	146	13.804	13.804	0.000	97	356309	10.0	10.5	
113 1,4-Dichlorobenzene	146	13.875	13.875	0.000	96	364950	10.0	10.5	
115 n-Butylbenzene	91	14.089	14.089	0.000	97	518248	10.0	10.6	
116 1,2-Dichlorobenzene	146	14.302	14.302	0.000	99	338821	10.0	10.2	
117 1,2-Dibromo-3-Chloropropan	75	15.168	15.180	-0.012	88	23874	10.0	9.68	
119 1,2,4-Trichlorobenzene	180	16.223	16.223	0.000	95	243783	10.0	10.1	
120 Hexachlorobutadiene	225	16.342	16.342	0.000	98	92029	10.0	10.4	
121 Naphthalene	128	16.662	16.662	0.000	96	610500	10.0	10.1	
122 1,2,3-Trichlorobenzene	180	17.030	17.030	0.000	97	231086	10.0	10.4	
S 123 Total BTEX	1				0			52.6	
S 124 Xylenes, Total	1				0			21.0	
S 125 1,2-Dichloroethene, Total	1				0			20.4	
S 126 1,3-Dichloropropene, Total	1				0			20.5	

Reagents:

8260 CORP mix_00099	Amount Added:	5.00	Units: uL	
GAS CORP mix_00221	Amount Added:	5.00	Units: uL	
C_8260_IS_00085	Amount Added:	1.00	Units: uL	Run Reagent
C_8260_Surr_00092	Amount Added:	1.00	Units: uL	Run Reagent

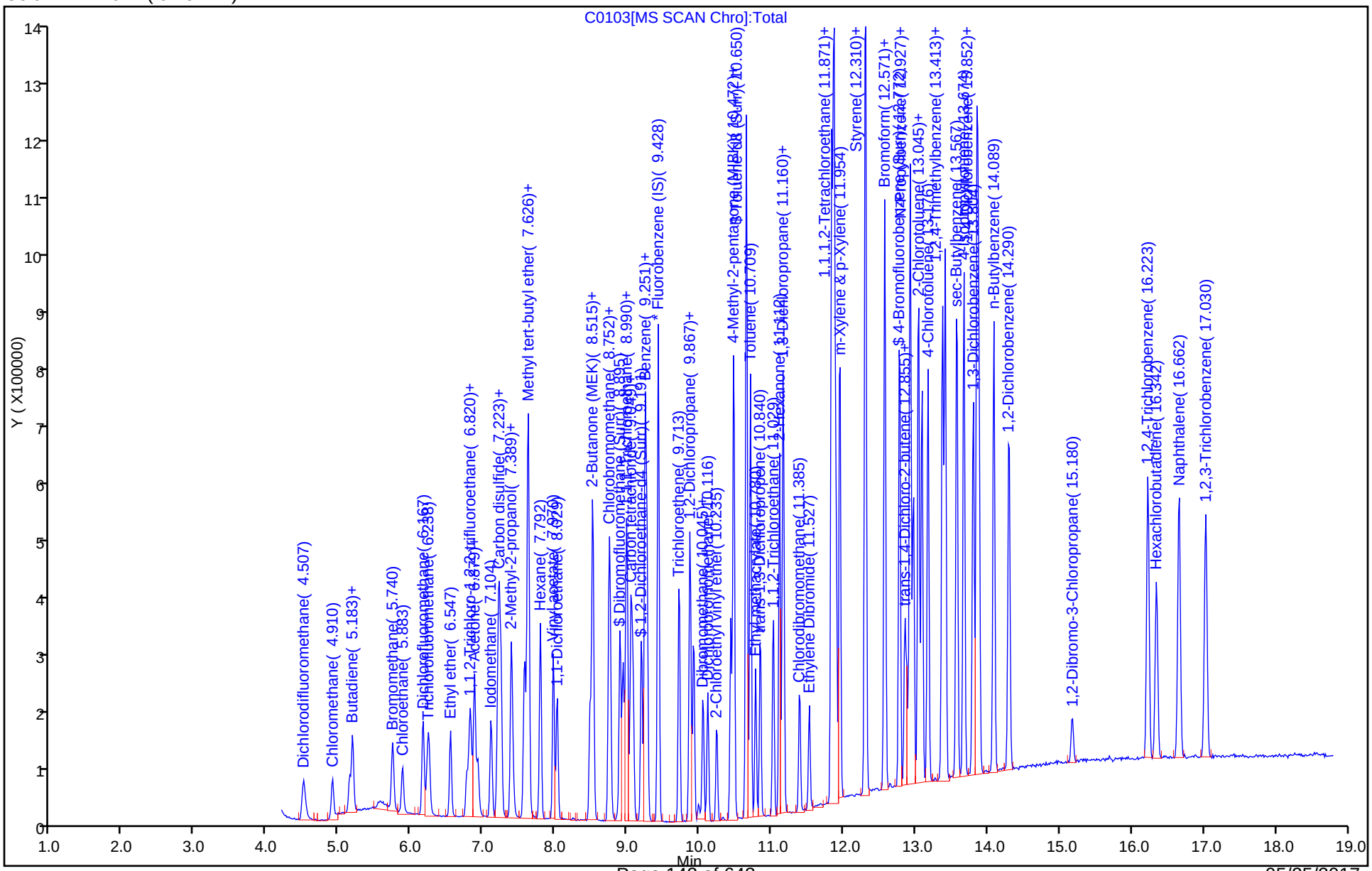
Report Date: 23-May-2017 13:19:38 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C0103.D

Injection Date:	22-May-2017 16:35:30	Instrument ID:	HP5973C	Operator ID:	LH
Lims ID:	IC 4			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C0104.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 22-May-2017 17:01:30 ALS Bottle#: 14 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 5
Misc. Info.: 480-0062694-013
Operator ID: LH Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 23-May-2017 13:19:39 Calib Date: 22-May-2017 22:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C0117.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: HillL Date: 23-May-2017 11:18:20

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	9.428	9.428	0.000	100	138760	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.836	11.836	0.000	82	325800	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.851	13.851	0.000	93	365827	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.895	8.895	0.000	94	194600	25.0	25.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.191	9.191	0.000	100	107102	25.0	24.5	
$ 5 Toluene-d8 (Surr)	98	10.650	10.650	0.000	92	804152	25.0	25.0	
$ 6 4-Bromofluorobenzene (Surr	174	12.784	12.784	0.000	98	272458	25.0	25.1	
10 Dichlorodifluoromethane	85	4.507	4.507	0.000	99	338955	25.0	26.5	
12 Chloromethane	50	4.910	4.910	0.000	99	208670	25.0	24.7	
13 Vinyl chloride	62	5.147	5.147	0.000	99	191722	25.0	25.7	
151 Butadiene	54	5.195	5.195	0.000	89	163438	25.0	25.8	
14 Bromomethane	94	5.740	5.740	0.000	89	238192	25.0	24.4	
15 Chloroethane	64	5.883	5.883	0.000	99	205768	25.0	25.2	
16 Dichlorofluoromethane	67	6.167	6.167	0.000	97	479097	25.0	25.0	
17 Trichlorofluoromethane	101	6.238	6.238	0.000	98	482944	25.0	26.3	
18 Ethyl ether	59	6.547	6.547	0.000	91	236076	25.0	24.9	
20 Acrolein	56	6.772	6.772	0.000	100	192724	125.0	128.6	
21 1,1,2-Trichloro-1,2,2-trif	101	6.819	6.819	0.000	90	279804	25.0	25.8	
22 1,1-Dichloroethene	96	6.879	6.879	0.000	96	285918	25.0	26.0	
23 Acetone	43	6.926	6.926	0.000	100	350271	125.0	121.6	
25 Iodomethane	142	7.104	7.104	0.000	98	538344	25.0	25.4	
26 Carbon disulfide	76	7.199	7.199	0.000	100	975566	25.0	25.8	
27 Methyl acetate	43	7.223	7.223	0.000	97	934902	125.0	125.7	
28 3-Chloro-1-propene	41	7.246	7.246	0.000	90	414596	25.0	24.4	
30 Methylene Chloride	84	7.389	7.389	0.000	91	308267	25.0	25.5	
31 2-Methyl-2-propanol	59	7.400	7.400	0.000	99	333548	250.0	256.8	
32 Methyl tert-butyl ether	73	7.578	7.578	0.000	95	804847	25.0	24.6	
33 Acrylonitrile	53	7.614	7.614	0.000	100	997583	250.0	253.4	
34 trans-1,2-Dichloroethene	96	7.626	7.626	0.000	97	317659	25.0	23.7	
35 Hexane	57	7.792	7.792	0.000	90	387265	25.0	25.3	

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	7.970	7.970	0.000	97	1060871	50.0	51.4	
39 1,1-Dichloroethane	63	8.029	8.029	0.000	96	490448	25.0	25.0	
43 2-Butanone (MEK)	43	8.480	8.480	0.000	99	600564	125.0	125.9	
45 cis-1,2-Dichloroethene	96	8.515	8.515	0.000	79	367004	25.0	24.0	
44 2,2-Dichloropropane	77	8.515	8.515	0.000	64	406291	25.0	24.3	
48 Chlorobromomethane	128	8.740	8.740	0.000	97	187985	25.0	25.2	
50 Chloroform	83	8.752	8.752	0.000	93	513637	25.0	24.1	
49 Tetrahydrofuran	42	8.764	8.764	0.000	86	159671	50.0	46.4	
51 1,1,1-Trichloroethane	97	8.942	8.942	0.000	97	455877	25.0	25.6	
52 Cyclohexane	56	8.989	8.989	0.000	92	518990	25.0	25.7	
53 Isobutyl alcohol	43	9.001	9.001	0.000	92	386343	625.0	638.8	
54 1,1-Dichloropropene	75	9.049	9.049	0.000	98	385468	25.0	26.0	
55 Carbon tetrachloride	117	9.072	9.072	0.000	95	420946	25.0	26.2	
57 Benzene	78	9.250	9.250	0.000	95	1184808	25.0	25.0	
58 1,2-Dichloroethane	62	9.250	9.250	0.000	97	376726	25.0	24.7	
59 n-Heptane	43	9.274	9.274	0.000	90	362000	25.0	24.4	
62 Trichloroethene	95	9.713	9.713	0.000	94	319768	25.0	25.2	
64 Methylcyclohexane	83	9.867	9.867	0.000	87	504878	25.0	26.0	
65 1,2-Dichloropropane	63	9.914	9.914	0.000	96	303690	25.0	25.7	
66 1,4-Dioxane	88	9.986	9.986	0.000	91	72091	500.0	539.1	
67 Dibromomethane	93	10.045	10.045	0.000	93	192767	25.0	25.3	
68 Dichlorobromomethane	83	10.116	10.116	0.000	99	362634	25.0	25.7	
69 2-Chloroethyl vinyl ether	63	10.235	10.235	0.000	93	188047	25.0	25.6	
72 cis-1,3-Dichloropropene	75	10.436	10.436	0.000	98	490083	25.0	25.6	
73 4-Methyl-2-pentanone (MIBK	43	10.472	10.472	0.000	94	1328195	125.0	128.7	
74 Toluene	92	10.709	10.709	0.000	99	815941	25.0	25.7	
75 Ethyl methacrylate	69	10.780	10.780	0.000	88	348543	25.0	26.7	
77 trans-1,3-Dichloropropene	75	10.839	10.839	0.000	91	450654	25.0	26.0	
79 1,1,2-Trichloroethane	83	11.029	11.029	0.000	89	231023	25.0	25.2	
80 2-Hexanone	43	11.112	11.112	0.000	94	964062	125.0	128.4	
81 Tetrachloroethene	166	11.160	11.160	0.000	96	393788	25.0	25.7	
82 1,3-Dichloropropane	76	11.171	11.171	0.000	90	474183	25.0	25.3	
83 Chlorodibromomethane	129	11.385	11.385	0.000	90	326405	25.0	26.2	
84 Ethylene Dibromide	107	11.527	11.527	0.000	98	306633	25.0	25.6	
87 Chlorobenzene	112	11.859	11.859	0.000	97	999352	25.0	25.6	
88 Ethylbenzene	91	11.871	11.871	0.000	96	1561743	25.0	25.6	
89 1,1,1,2-Tetrachloroethane	131	11.895	11.895	0.000	95	360381	25.0	25.7	
90 m-Xylene & p-Xylene	106	11.954	11.954	0.000	100	661626	25.0	25.7	
91 o-Xylene	106	12.298	12.298	0.000	95	651164	25.0	25.4	
92 Styrene	104	12.310	12.310	0.000	92	1030184	25.0	26.1	
94 Isopropylbenzene	105	12.571	12.571	0.000	95	1661747	25.0	25.9	
95 Bromoform	173	12.583	12.583	0.000	98	203421	25.0	26.9	
97 1,1,2,2-Tetrachloroethane	83	12.855	12.855	0.000	95	369248	25.0	25.1	
98 trans-1,4-Dichloro-2-buten	53	12.879	12.879	0.000	93	110205	25.0	27.4	
99 N-Propylbenzene	91	12.927	12.927	0.000	98	1863503	25.0	26.0	
100 1,2,3-Trichloropropane	110	12.938	12.938	0.000	82	126148	25.0	24.9	
101 Bromobenzene	156	12.974	12.974	0.000	83	454109	25.0	25.7	
102 1,3,5-Trimethylbenzene	105	13.045	13.045	0.000	94	1386916	25.0	25.9	
103 2-Chlorotoluene	126	13.093	13.093	0.000	99	421138	25.0	25.6	
105 4-Chlorotoluene	126	13.176	13.176	0.000	96	443763	25.0	25.6	
106 tert-Butylbenzene	134	13.377	13.377	0.000	89	329779	25.0	25.0	
107 1,2,4-Trimethylbenzene	105	13.413	13.413	0.000	94	1444282	25.0	25.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	13.579	13.579	0.000	93	1774005	25.0	26.0	
110 4-Isopropyltoluene	119	13.674	13.674	0.000	97	1550338	25.0	26.1	
111 1,3-Dichlorobenzene	146	13.804	13.804	0.000	97	875941	25.0	25.7	
113 1,4-Dichlorobenzene	146	13.875	13.875	0.000	96	895761	25.0	25.8	
115 n-Butylbenzene	91	14.089	14.089	0.000	97	1279317	25.0	26.3	
116 1,2-Dichlorobenzene	146	14.302	14.302	0.000	99	844222	25.0	25.4	
117 1,2-Dibromo-3-Chloropropan	75	15.168	15.168	0.000	91	61254	25.0	24.9	
119 1,2,4-Trichlorobenzene	180	16.223	16.223	0.000	95	625690	25.0	25.9	
120 Hexachlorobutadiene	225	16.342	16.342	0.000	98	230186	25.0	26.2	
121 Naphthalene	128	16.662	16.662	0.000	96	1561861	25.0	26.0	
122 1,2,3-Trichlorobenzene	180	17.030	17.030	0.000	96	572849	25.0	25.7	

Reagents:

8260 CORP mix_00099	Amount Added: 12.50	Units: uL	
GAS CORP mix_00221	Amount Added: 12.50	Units: uL	
C_8260_IS_00085	Amount Added: 1.00	Units: uL	Run Reagent
C_8260_Surr_00092	Amount Added: 1.00	Units: uL	Run Reagent

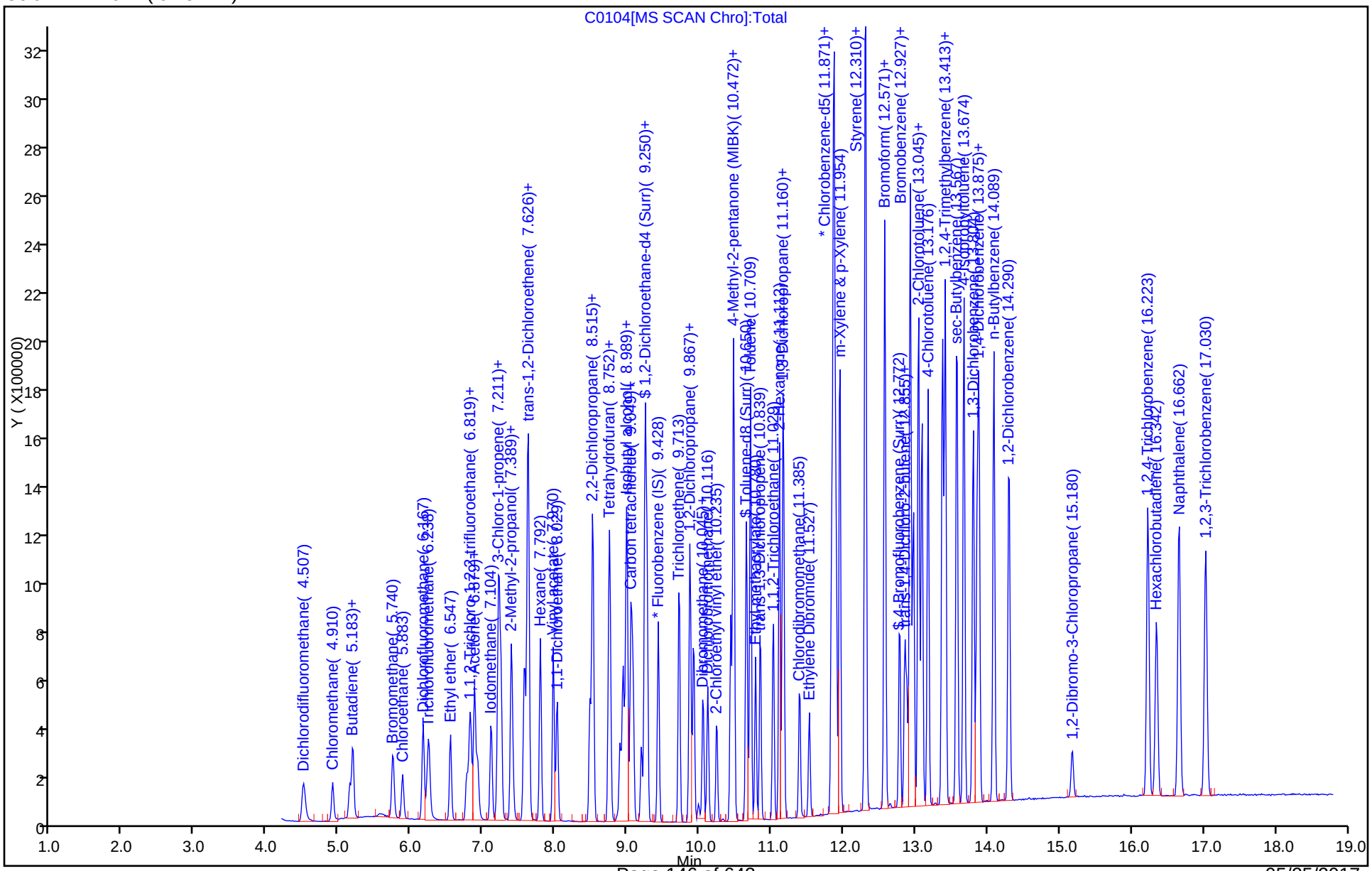
Report Date: 23-May-2017 13:19:41 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C0104.D

Injection Date:	22-May-2017 17:01:30	Instrument ID:	HP5973C	Operator ID:	LH
Lims ID:	ICIS 5			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C0105.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 22-May-2017 17:26:30 ALS Bottle#: 15 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0062694-014
Operator ID: LH Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 23-May-2017 13:19:42 Calib Date: 22-May-2017 22:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C0117.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: HillL Date: 23-May-2017 11:46:53

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	9.428	9.428	0.000	100	139065	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.836	11.836	0.000	82	329659	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.852	13.851	0.001	91	371862	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.895	8.895	0.000	93	196997	25.0	25.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.191	9.191	0.000	100	109223	25.0	25.0	
$ 5 Toluene-d8 (Surr)	98	10.650	10.650	0.000	92	816428	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr	174	12.784	12.784	0.000	98	277312	25.0	25.2	
10 Dichlorodifluoromethane	85	4.495	4.507	-0.012	99	608310	50.0	47.4	
12 Chloromethane	50	4.910	4.910	0.000	99	396128	50.0	46.8	
13 Vinyl chloride	62	5.147	5.147	0.000	98	356417	50.0	47.6	
151 Butadiene	54	5.183	5.195	-0.012	89	296181	50.0	46.7	
14 Bromomethane	94	5.740	5.740	0.000	90	464640	50.0	47.5	
15 Chloroethane	64	5.883	5.883	0.000	100	390446	50.0	47.7	
16 Dichlorofluoromethane	67	6.167	6.167	0.000	97	924692	50.0	48.1	
17 Trichlorofluoromethane	101	6.238	6.238	0.000	97	877950	50.0	47.7	
18 Ethyl ether	59	6.547	6.547	0.000	91	476962	50.0	50.2	
20 Acrolein	56	6.760	6.772	-0.012	100	397137	250.0	264.4	
21 1,1,2-Trichloro-1,2,2-trif	101	6.819	6.819	0.000	90	454655	50.0	41.9	
22 1,1-Dichloroethene	96	6.879	6.879	0.000	96	487330	50.0	44.2	
23 Acetone	43	6.914	6.926	-0.012	100	697141	250.0	241.4	
25 Iodomethane	142	7.104	7.104	0.000	98	1019708	50.0	48.1	
26 Carbon disulfide	76	7.199	7.199	0.000	99	1744996	50.0	46.1	
27 Methyl acetate	43	7.211	7.223	-0.012	97	1852049	250.0	248.5	
28 3-Chloro-1-propene	41	7.246	7.246	0.000	90	762654	50.0	44.8	
30 Methylene Chloride	84	7.389	7.389	0.000	91	586142	50.0	48.9	
31 2-Methyl-2-propanol	59	7.401	7.400	0.001	99	664532	500.0	510.5	
32 Methyl tert-butyl ether	73	7.567	7.578	-0.011	94	1611674	50.0	49.1	
33 Acrylonitrile	53	7.614	7.614	0.000	100	1977979	500.0	501.3	
34 trans-1,2-Dichloroethene	96	7.626	7.626	0.000	97	563215	50.0	41.9	
35 Hexane	57	7.792	7.792	0.000	89	621663	50.0	40.5	

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	7.970	7.970	0.000	97	2144498	100.0	103.6	
39 1,1-Dichloroethane	63	8.029	8.029	0.000	96	912125	50.0	46.4	
43 2-Butanone (MEK)	43	8.480	8.480	0.000	99	1202801	250.0	251.7	
45 cis-1,2-Dichloroethene	96	8.515	8.515	0.000	81	692386	50.0	45.2	
44 2,2-Dichloropropane	77	8.515	8.515	0.000	62	719604	50.0	42.9	
48 Chlorobromomethane	128	8.741	8.740	0.001	89	370584	50.0	49.6	
50 Chloroform	83	8.752	8.752	0.000	93	975007	50.0	45.6	
49 Tetrahydrofuran	42	8.764	8.764	0.000	86	327872	100.0	95.1	
51 1,1,1-Trichloroethane	97	8.942	8.942	0.000	97	804693	50.0	45.1	
52 Cyclohexane	56	8.990	8.989	0.001	90	839808	50.0	41.4	
53 Isobutyl alcohol	43	9.001	9.001	0.000	92	751515	1250.0	1239.9	
54 1,1-Dichloropropene	75	9.049	9.049	0.000	97	658912	50.0	44.4	
55 Carbon tetrachloride	117	9.073	9.072	0.001	96	722853	50.0	44.9	
57 Benzene	78	9.239	9.250	-0.011	95	2197127	50.0	46.2	
58 1,2-Dichloroethane	62	9.250	9.250	0.000	97	736777	50.0	48.2	
59 n-Heptane	43	9.274	9.274	0.000	90	578022	50.0	38.8	
62 Trichloroethene	95	9.713	9.713	0.000	94	586147	50.0	46.1	
64 Methylcyclohexane	83	9.867	9.867	0.000	87	828258	50.0	42.6	
65 1,2-Dichloropropane	63	9.915	9.914	0.001	97	586579	50.0	49.5	
66 1,4-Dioxane	88	9.986	9.986	0.000	91	145242	1000.0	1073.5	
67 Dibromomethane	93	10.045	10.045	0.000	92	385462	50.0	50.4	
68 Dichlorobromomethane	83	10.116	10.116	0.000	99	726003	50.0	51.3	
69 2-Chloroethyl vinyl ether	63	10.235	10.235	0.000	93	390800	50.0	53.2	
72 cis-1,3-Dichloropropene	75	10.436	10.436	0.000	97	975016	50.0	50.8	
73 4-Methyl-2-pentanone (MIBK	43	10.472	10.472	0.000	94	2675217	250.0	256.3	
74 Toluene	92	10.709	10.709	0.000	99	1517474	50.0	47.3	
75 Ethyl methacrylate	69	10.780	10.780	0.000	88	731862	50.0	55.3	
77 trans-1,3-Dichloropropene	75	10.840	10.839	0.001	90	900626	50.0	51.4	
79 1,1,2-Trichloroethane	83	11.029	11.029	0.000	89	465610	50.0	50.1	
80 2-Hexanone	43	11.112	11.112	0.000	94	1951918	250.0	256.9	
81 Tetrachloroethene	166	11.160	11.160	0.000	96	681709	50.0	43.9	
82 1,3-Dichloropropane	76	11.172	11.171	0.001	90	933484	50.0	49.2	
83 Chlorodibromomethane	129	11.397	11.385	0.012	89	688846	50.0	54.7	
84 Ethylene Dibromide	107	11.527	11.527	0.000	98	621844	50.0	51.3	
87 Chlorobenzene	112	11.859	11.859	0.000	97	1907909	50.0	48.3	
88 Ethylbenzene	91	11.871	11.871	0.000	96	2863784	50.0	46.4	
89 1,1,1,2-Tetrachloroethane	131	11.895	11.895	0.000	95	705895	50.0	49.7	
90 m-Xylene & p-Xylene	106	11.954	11.954	0.000	100	1230122	50.0	47.2	
91 o-Xylene	106	12.298	12.298	0.000	94	1224514	50.0	47.3	
92 Styrene	104	12.310	12.310	0.000	94	2001607	50.0	50.2	
94 Isopropylbenzene	105	12.571	12.571	0.000	95	2994940	50.0	45.9	
95 Bromoform	173	12.583	12.583	0.000	99	430429	50.0	56.2	
97 1,1,2,2-Tetrachloroethane	83	12.855	12.855	0.000	96	749162	50.0	50.2	
98 trans-1,4-Dichloro-2-buten	53	12.879	12.879	0.000	92	225240	50.0	55.1	
99 N-Propylbenzene	91	12.927	12.927	0.001	98	3364466	50.0	46.1	
100 1,2,3-Trichloropropane	110	12.938	12.938	0.000	82	253882	50.0	49.3	
101 Bromobenzene	156	12.974	12.974	0.000	83	872292	50.0	48.5	
102 1,3,5-Trimethylbenzene	105	13.045	13.045	0.000	94	2588730	50.0	47.6	
103 2-Chlorotoluene	126	13.093	13.093	0.000	98	783997	50.0	47.0	
105 4-Chlorotoluene	126	13.176	13.176	0.000	96	838435	50.0	47.6	
106 tert-Butylbenzene	134	13.377	13.377	0.000	91	590095	50.0	44.1	
107 1,2,4-Trimethylbenzene	105	13.413	13.413	0.000	93	2714440	50.0	47.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	13.579	13.579	0.000	93	3136618	50.0	45.3	
110 4-Isopropyltoluene	119	13.674	13.674	0.000	97	2801121	50.0	46.4	
111 1,3-Dichlorobenzene	146	13.804	13.804	0.000	97	1680821	50.0	48.6	
113 1,4-Dichlorobenzene	146	13.875	13.875	0.000	97	1713972	50.0	48.5	
115 n-Butylbenzene	91	14.089	14.089	0.000	97	2294252	50.0	46.3	
116 1,2-Dichlorobenzene	146	14.302	14.302	0.000	100	1647609	50.0	48.8	
117 1,2-Dibromo-3-Chloropropan	75	15.168	15.168	0.000	92	127956	50.0	51.1	
119 1,2,4-Trichlorobenzene	180	16.223	16.223	0.000	94	1230301	50.0	50.0	
120 Hexachlorobutadiene	225	16.342	16.342	0.000	98	416903	50.0	46.6	
121 Naphthalene	128	16.662	16.662	0.000	96	3158213	50.0	51.7	
122 1,2,3-Trichlorobenzene	180	17.030	17.030	0.000	96	1137098	50.0	50.2	
S 123 Total BTEX	1				0			234.4	
S 124 Xylenes, Total	1				0			94.5	
S 125 1,2-Dichloroethene, Total	1				0			87.1	
S 126 1,3-Dichloropropene, Total	1				0			102.3	

Reagents:

8260 CORP mix_00099	Amount Added: 25.00	Units: uL		
GAS CORP mix_00221	Amount Added: 25.00	Units: uL		
C_8260_IS_00085	Amount Added: 1.00	Units: uL	Run Reagent	
C_8260_Surr_00092	Amount Added: 1.00	Units: uL	Run Reagent	

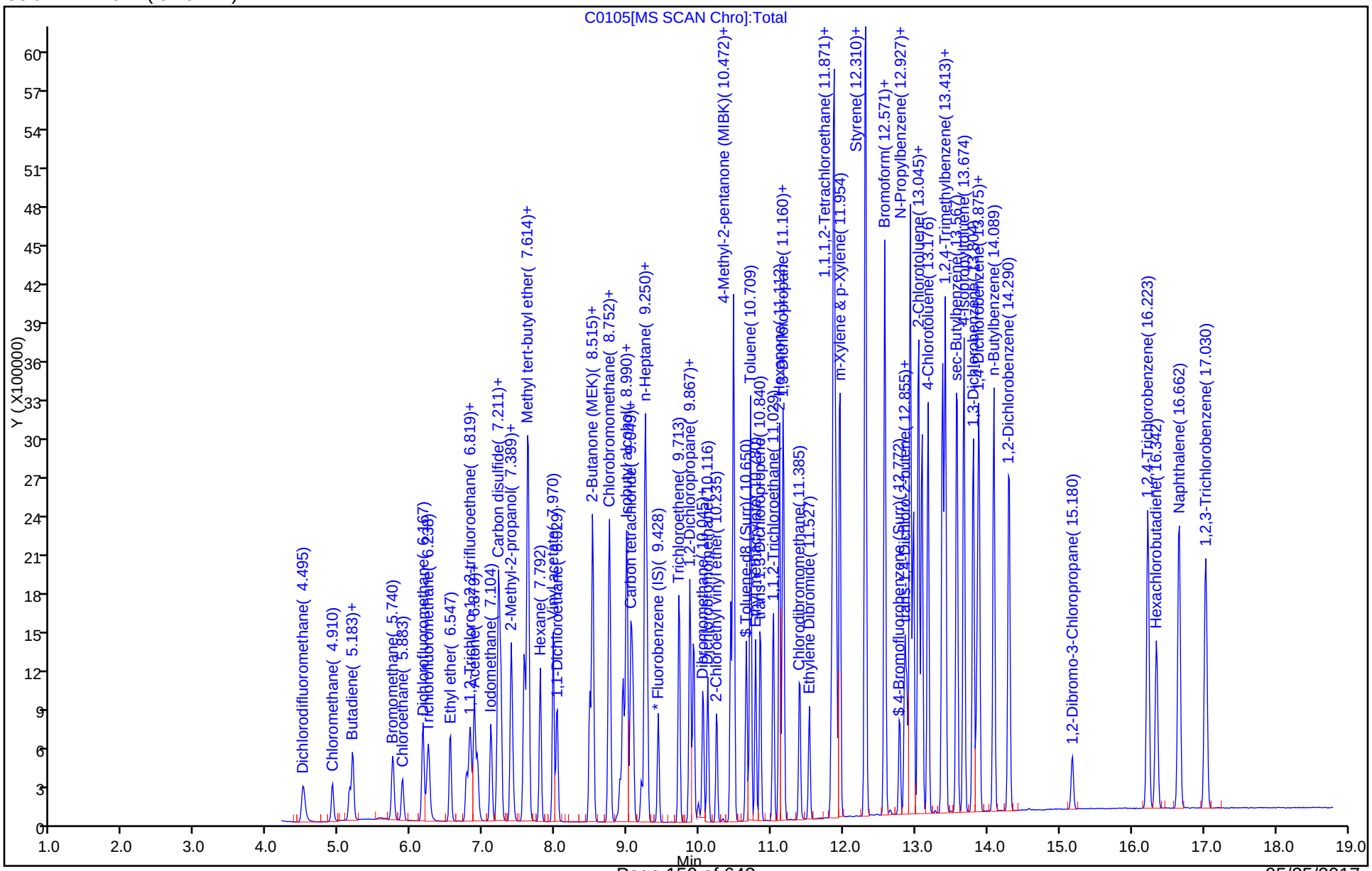
Report Date: 23-May-2017 13:19:43 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C0105.D

Injection Date:	22-May-2017 17:26:30	Instrument ID:	HP5973C	Operator ID:	LH
Lims ID:	IC 6			Worklist Smp#:	14
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C0106.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 22-May-2017 17:51:30 ALS Bottle#: 16 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 7
Misc. Info.: 480-0062694-015
Operator ID: LH Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 23-May-2017 13:19:44 Calib Date: 22-May-2017 22:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C0117.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: HillL Date: 23-May-2017 11:47:35

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	9.428	9.428	0.000	100	141009	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.836	11.836	0.000	80	335113	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.852	13.851	0.001	93	375496	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.895	8.895	0.000	94	201175	25.0	25.4	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.191	9.191	0.000	98	110260	25.0	24.9	
$ 5 Toluene-d8 (Surr)	98	10.650	10.650	0.000	92	827032	25.0	25.0	
$ 6 4-Bromofluorobenzene (Surr	174	12.784	12.784	0.000	98	283124	25.0	25.3	
10 Dichlorodifluoromethane	85	4.507	4.507	0.000	99	1229573	100.0	94.5	
12 Chloromethane	50	4.922	4.910	0.012	99	822827	100.0	95.9	
13 Vinyl chloride	62	5.159	5.147	0.012	98	753015	100.0	99.3	
151 Butadiene	54	5.207	5.195	0.012	89	611978	100.0	95.1	
14 Bromomethane	94	5.764	5.740	0.024	90	991902	100.0	100.1	
15 Chloroethane	64	5.895	5.883	0.012	100	812719	100.0	98.0	
16 Dichlorofluoromethane	67	6.167	6.167	0.000	97	1901385	100.0	97.5	
17 Trichlorofluoromethane	101	6.250	6.238	0.012	98	1775128	100.0	95.0	
18 Ethyl ether	59	6.547	6.547	0.000	90	979710	100.0	101.6	
20 Acrolein	56	6.772	6.772	0.000	99	832296	500.0	546.6	
21 1,1,2-Trichloro-1,2,2-trif	101	6.820	6.819	0.001	90	1013892	100.0	92.1	
22 1,1-Dichloroethene	96	6.891	6.879	0.012	95	1072228	100.0	95.9	
23 Acetone	43	6.926	6.926	0.000	100	1434378	500.0	489.9	
25 Iodomethane	142	7.116	7.104	0.012	98	2152760	100.0	100.1	
26 Carbon disulfide	76	7.211	7.199	0.012	99	3804442	100.0	99.1	
27 Methyl acetate	43	7.223	7.223	0.000	97	3703842	500.0	490.1	
28 3-Chloro-1-propene	41	7.246	7.246	0.000	87	1593378	100.0	92.4	
30 Methylene Chloride	84	7.389	7.389	0.000	89	1208696	100.0	100.1	
31 2-Methyl-2-propanol	59	7.401	7.400	0.001	100	1410554	1000.0	1068.6	
32 Methyl tert-butyl ether	73	7.578	7.578	0.000	94	3309397	100.0	99.3	
33 Acrylonitrile	53	7.614	7.614	0.000	99	3902915	1000.0	975.5	
34 trans-1,2-Dichloroethene	96	7.638	7.626	0.012	98	1187660	100.0	87.1	
35 Hexane	57	7.792	7.792	0.000	90	1389955	100.0	89.3	

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	7.970	7.970	0.000	97	4327628	200.0	206.2	
39 1,1-Dichloroethane	63	8.029	8.029	0.000	96	1894443	100.0	95.1	
43 2-Butanone (MEK)	43	8.480	8.480	0.000	99	2480641	500.0	511.9	
44 2,2-Dichloropropane	77	8.527	8.515	0.012	65	1509506	100.0	88.7	
45 cis-1,2-Dichloroethene	96	8.515	8.515	0.000	79	1425682	100.0	91.8	
48 Chlorobromomethane	128	8.741	8.740	0.001	92	763215	100.0	100.7	
50 Chloroform	83	8.752	8.752	0.000	93	2025212	100.0	93.3	
49 Tetrahydrofuran	42	8.764	8.764	0.000	87	661152	200.0	189.2	
51 1,1,1-Trichloroethane	97	8.942	8.942	0.000	97	1740426	100.0	96.1	
52 Cyclohexane	56	8.990	8.989	0.001	90	1876219	100.0	91.3	
53 Isobutyl alcohol	43	9.001	9.001	0.000	94	1614571	2500.0	2627.1	
54 1,1-Dichloropropene	75	9.049	9.049	0.000	98	1436381	100.0	95.4	
55 Carbon tetrachloride	117	9.073	9.072	0.001	95	1587921	100.0	97.3	
58 1,2-Dichloroethane	62	9.262	9.250	0.012	98	1486168	100.0	95.9	
57 Benzene	78	9.251	9.250	0.000	95	4575899	100.0	94.9	
59 n-Heptane	43	9.274	9.274	0.000	90	1277126	100.0	84.6	
62 Trichloroethene	95	9.713	9.713	0.000	94	1258190	100.0	97.5	
64 Methylcyclohexane	83	9.867	9.867	0.000	88	1886236	100.0	95.7	
65 1,2-Dichloropropane	63	9.926	9.914	0.012	96	1213744	100.0	101.0	
66 1,4-Dioxane	88	9.986	9.986	0.000	91	305755	2000.0	2223.0	
67 Dibromomethane	93	10.045	10.045	0.000	92	787658	100.0	101.6	
68 Dichlorobromomethane	83	10.116	10.116	0.000	99	1558068	100.0	108.6	
69 2-Chloroethyl vinyl ether	63	10.235	10.235	0.000	92	818442	100.0	109.8	
72 cis-1,3-Dichloropropene	75	10.436	10.436	0.000	98	2046182	100.0	105.2	
73 4-Methyl-2-pentanone (MIBK	43	10.472	10.472	0.000	93	5332156	500.0	502.4	
74 Toluene	92	10.709	10.709	0.000	99	3184767	100.0	97.7	
75 Ethyl methacrylate	69	10.780	10.780	0.000	88	1543327	100.0	114.8	
77 trans-1,3-Dichloropropene	75	10.840	10.839	0.001	91	1855329	100.0	104.2	
79 1,1,2-Trichloroethane	83	11.029	11.029	0.000	88	946873	100.0	100.2	
80 2-Hexanone	43	11.112	11.112	0.000	93	3934461	500.0	509.4	
81 Tetrachloroethene	166	11.160	11.160	0.000	96	1468636	100.0	93.0	
82 1,3-Dichloropropane	76	11.172	11.171	0.001	89	1884731	100.0	97.7	
83 Chlorodibromomethane	129	11.397	11.385	0.012	89	1475887	100.0	115.2	
84 Ethylene Dibromide	107	11.527	11.527	0.000	98	1283219	100.0	104.2	
87 Chlorobenzene	112	11.859	11.859	0.000	98	3857401	100.0	96.0	
88 Ethylbenzene	91	11.871	11.871	0.000	96	5903308	100.0	94.1	
89 1,1,1,2-Tetrachloroethane	131	11.895	11.895	0.000	95	1457977	100.0	101.1	
90 m-Xylene & p-Xylene	106	11.954	11.954	0.000	100	2587693	100.0	97.7	
91 o-Xylene	106	12.298	12.298	0.000	95	2504496	100.0	95.1	
92 Styrene	104	12.310	12.310	0.000	92	4118066	100.0	101.6	
94 Isopropylbenzene	105	12.571	12.571	0.000	95	6306312	100.0	95.6	
95 Bromoform	173	12.583	12.583	0.000	99	925114	100.0	118.9	
97 1,1,2,2-Tetrachloroethane	83	12.855	12.855	0.000	95	1538876	100.0	102.0	
98 trans-1,4-Dichloro-2-buten	53	12.879	12.879	0.000	91	470472	100.0	113.9	
99 N-Propylbenzene	91	12.927	12.927	0.001	98	7079704	100.0	96.1	
100 1,2,3-Trichloropropane	110	12.938	12.938	0.000	82	510663	100.0	98.3	
101 Bromobenzene	156	12.974	12.974	0.000	82	1803410	100.0	99.4	
102 1,3,5-Trimethylbenzene	105	13.045	13.045	0.000	94	5432323	100.0	98.9	
103 2-Chlorotoluene	126	13.093	13.093	0.000	99	1642003	100.0	97.4	
105 4-Chlorotoluene	126	13.176	13.176	0.000	96	1739136	100.0	97.8	
106 tert-Butylbenzene	134	13.377	13.377	0.000	91	1258141	100.0	93.1	
107 1,2,4-Trimethylbenzene	105	13.413	13.413	0.000	93	5576325	100.0	97.1	

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	13.567	13.579	-0.012	93	6716386	100.0	96.0	
110 4-Isopropyltoluene	119	13.674	13.674	0.000	97	5953567	100.0	97.7	
111 1,3-Dichlorobenzene	146	13.804	13.804	0.000	97	3476779	100.0	99.5	
113 1,4-Dichlorobenzene	146	13.875	13.875	0.000	97	3541913	100.0	99.2	
115 n-Butylbenzene	91	14.089	14.089	0.000	97	4917009	100.0	98.3	
116 1,2-Dichlorobenzene	146	14.302	14.302	0.000	99	3381755	100.0	99.2	
117 1,2-Dibromo-3-Chloropropan	75	15.180	15.168	0.012	92	278747	100.0	110.3	
119 1,2,4-Trichlorobenzene	180	16.223	16.223	0.000	95	2566080	100.0	103.3	
120 Hexachlorobutadiene	225	16.342	16.342	0.000	98	935626	100.0	103.6	
121 Naphthalene	128	16.662	16.662	0.000	96	6554060	100.0	106.3	
122 1,2,3-Trichlorobenzene	180	17.030	17.030	0.000	97	2362328	100.0	103.3	
S 125 1,2-Dichloroethene, Total	1				0			178.8	
S 126 1,3-Dichloropropene, Total	1				0			209.4	
S 123 Total BTEX	1				0			479.5	
S 124 Xylenes, Total	1				0			192.8	

Reagents:

8260 CORP mix_00099	Amount Added: 50.00	Units: uL		
GAS CORP mix_00221	Amount Added: 50.00	Units: uL		
C_8260_IS_00085	Amount Added: 1.00	Units: uL	Run Reagent	
C_8260_Surr_00092	Amount Added: 1.00	Units: uL	Run Reagent	

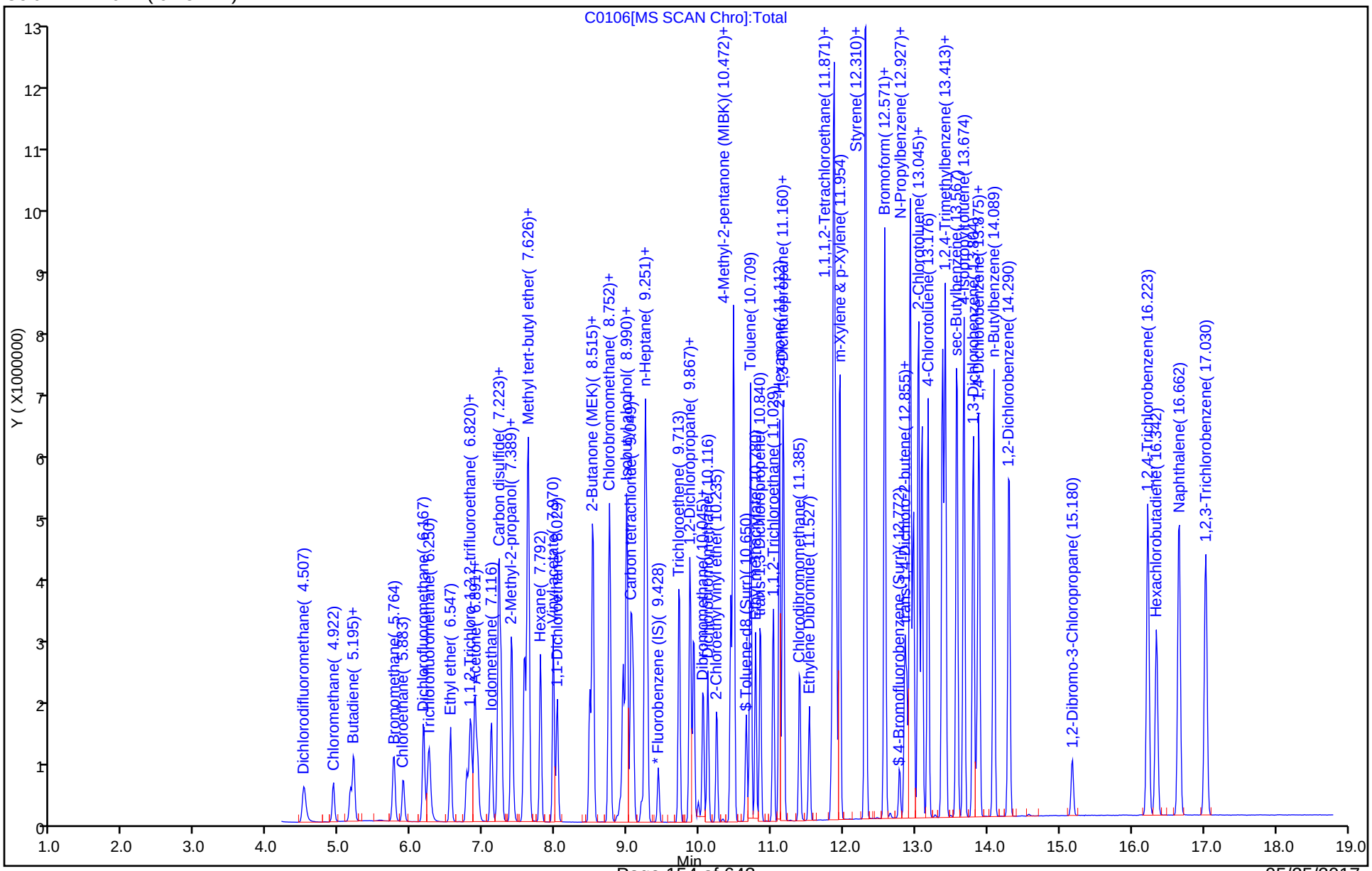
Report Date: 23-May-2017 13:19:45 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C0106.D

Injection Date:	22-May-2017 17:51:30	Instrument ID:	HP5973C	Operator ID:	LH
Lims ID:	IC 7			Worklist Smp#:	15
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



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

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1 Analy Batch No.: 357500

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/15/2017 22:59 Calibration End Date: 05/16/2017 01:41 Calibration ID: 30562

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-357500/4	S6634.D
Level 2	IC 480-357500/5	S6635.D
Level 3	IC 480-357500/6	S6636.D
Level 4	IC 480-357500/7	S6637.D
Level 5	IC 480-357500/8	S6638.D
Level 6	ICIS 480-357500/9	S6639.D
Level 7	IC 480-357500/10	S6640.D
Level 8	IC 480-357500/11	S6641.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	1.1437 1.1144	1.1174 1.1220	1.2002 1.0791	1.0916	1.0765	Ave		1.1181			0.1000	3.6		20.0			
Chloromethane	+++++ 1.2244	1.5096 1.1641	1.3450 1.1024	1.2992	1.2546	Ave		1.2713			0.1000	10.4		20.0			
Vinyl chloride	1.2247 1.1745	1.3324 1.1259	1.1872 1.0877	1.2565	1.1785	Ave		1.1959			0.1000	6.4		20.0			
Butadiene	+++++ 1.1541	1.3662 1.1240	1.2932 1.0774	1.2212	1.1540	Ave		1.1986				8.5		20.0			
Bromomethane	+++++ 0.4973	0.7002 0.4971	0.6076 0.4914	0.6167	0.5457	Ave		0.5651			0.1000	14.0		20.0			
Chloroethane	0.6397 0.6395	0.8431 0.6062	0.6704 0.5878	0.6076	0.6189	Ave		0.6516			0.1000	12.5		20.0			
Dichlorofluoromethane	+++++ 1.3063	1.4467 1.1913	1.4501 1.1272	1.4186	1.3301	Ave		1.3243				9.6		20.0			
Trichlorofluoromethane	+++++ 1.3350	1.1110 1.3382	1.0441 1.4032	1.2287	1.1693	Ave		1.2328			0.1000	10.7		20.0			
Ethyl ether	0.9380 0.9807	1.0585 0.9537	0.9715 0.9047	0.9851	0.9707	Ave		0.9704				4.6		20.0			
Acrolein	+++++ 0.2001	0.2597 0.1966	0.2049 0.1850	0.2088	0.1890	Ave		0.2063				12.1		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.9637 1.1528	1.1233 1.0672	1.0876 0.9980	0.9659	0.9185	Ave		1.0346			0.1000	8.2		20.0			
1,1-Dichloroethene	1.2336 1.2142	1.3653 1.1621	1.2886 1.0919	1.1915	1.1040	Ave		1.2064			0.1000	7.6		20.0			
Acetone	+++++ 0.3842	0.4738 0.3577	0.3868 0.3477	0.3869	0.3997	Ave		0.3910			0.1000	10.4		20.0			
Iodomethane	+++++ 1.7779	1.7914 1.6962	1.8407 1.6439	1.7360	1.6410	Ave		1.7324				4.4		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
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1 Analy Batch No.: 357500

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/15/2017 22:59 Calibration End Date: 05/16/2017 01:41 Calibration ID: 30562

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								
Carbon disulfide	+++++ 2.8910	3.4922 2.8069	2.8663 2.7221	2.7875	2.5763	Ave		2.8775			0.1000	10.1		20.0			
Allyl chloride	+++++ 1.3786	1.5442 1.3803	1.4317 1.2470	1.3943	1.4198	Ave		1.3994				6.3		20.0			
Methyl acetate	0.9525 0.9330	0.9727 0.9079	0.9237 0.8700	0.9331	0.9392	Ave		0.9290			0.1000	3.3		20.0			
Methylene Chloride	+++++ 1.1582	1.3058 1.0871	1.3194 1.0418	1.2677	1.1026	Ave		1.1832			0.1000	9.6		20.0			
2-Methyl-2-propanol	0.1283 0.1300	0.1301 0.1267	0.1321 0.1307	0.1232	0.1278	Ave		0.1286				2.2		20.0			
Methyl tert-butyl ether	+++++ 3.3067	3.4438 3.1820	3.2387 3.1042	3.3258	3.2851	Ave		3.2695			0.1000	3.3		20.0			
trans-1,2-Dichloroethene	1.2530 1.2276	1.1907 1.1555	1.1988 1.0817	1.1440	1.1311	Ave		1.1728			0.1000	4.7		20.0			
Acrylonitrile	0.4472 0.4990	0.4596 0.4649	0.4757 0.4553	0.5135	0.4969	Ave		0.4765				5.0		20.0			
Hexane	+++++ 1.8670	1.8112 1.7386	1.9261 1.6333	1.6730	1.5835	Ave		1.7475				7.2		20.0			
1,1-Dichloroethane	+++++ 2.0606	2.2483 1.9515	2.0499 1.8529	2.0232	1.9010	Ave		2.0125			0.2000	6.4		20.0			
Vinyl acetate	+++++ 2.6189	2.3471 2.5922	2.2473 2.5242	2.4324	2.4666	Ave		2.4612				5.4		20.0			
2,2-Dichloropropane	+++++ 0.7925	0.8827 0.7471	0.8293 0.6788	0.8038	0.7682	Ave		0.7861				8.2		20.0			
cis-1,2-Dichloroethene	1.4330 1.3770	1.4317 1.2862	1.3209 1.2413	1.3713	1.3172	Ave		1.3473			0.1000	5.1		20.0			
2-Butanone (MEK)	+++++ 0.5997	0.6326 0.5733	0.6335 0.5708	0.5945	0.6103	Ave		0.6021			0.1000	4.2		20.0			
Chlorobromomethane	+++++ 0.6482	0.6879 0.6272	0.6498 0.6090	0.6210	0.6562	Ave		0.6427				4.1		20.0			
Tetrahydrofuran	+++++ 0.3878	0.5307 0.3727	0.4427 0.3768	0.4002	0.4025	Ave		0.4162				13.3		20.0			
Chloroform	+++++ 2.0327	2.4181 1.9191	2.0912 1.8196	1.9202	1.9202	Ave		2.0173			0.2000	9.8		20.0			
1,1,1-Trichloroethane	1.1769 1.3301	1.2383 1.2782	1.2050 1.2174	1.1822	1.1757	Ave		1.2255			0.1000	4.5		20.0			
Cyclohexane	+++++ 2.0371	2.0253 1.9229	2.0106 1.7917	1.8691	1.7254	Ave		1.9117			0.1000	6.4		20.0			
Carbon tetrachloride	+++++ 1.2020	1.0850 1.1620	1.0812 1.1848	1.0821	1.0102	Ave		1.1153			0.1000	6.2		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: TestAmerica Buffalo Job No.: 480-118149-1 Analy Batch No.: 357500

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/15/2017 22:59 Calibration End Date: 05/16/2017 01:41 Calibration ID: 30562

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-Dichloropropene	1.5230 1.5490	1.6871 1.4362	1.5429 1.3749	1.4829	1.4288	Ave		1.5031				6.4		20.0			
Benzene	+++++ 4.7191	4.8603 4.4959	4.6795 4.2018	4.6156	4.5849	Ave		4.5939			0.5000	4.5		20.0			
Isobutyl alcohol	+++++ 0.0591	0.0564 0.0624	0.0563 0.0623	0.0509	0.0563	Ave		0.0577				6.9		20.0			
1,2-Dichloroethane	+++++ 1.5681	1.6129 1.4759	1.6416 1.4448	1.6591	1.4993	Ave		1.5574			0.1000	5.5		20.0			
n-Heptane	+++++ 1.7687	1.9203 1.6798	1.9641 1.5467	1.7212	1.5074	Ave		1.7297				10.0		20.0			
Trichloroethene	1.1414 1.2322	1.2921 1.1472	1.2654 1.1037	1.2128	1.1362	Ave		1.1914			0.2000	5.8		20.0			
Methylcyclohexane	1.8305 2.0633	2.0637 1.9398	2.0491 1.8093	1.9087	1.7064	Ave		1.9214			0.1000	6.9		20.0			
1,2-Dichloropropane	+++++ 1.2023	1.1656 1.1315	1.2101 1.0935	1.1842	1.1118	Ave		1.1570			0.1000	3.9		20.0			
Dibromomethane	0.8034 0.7669	0.7919 0.7384	0.6996 0.7092	0.7612	0.7623	Ave		0.7541			0.1000	4.9		20.0			
1,4-Dioxane	+++++ 0.0076	+++++ 0.0076	0.0059 0.0081	0.0078	0.0076	Ave		0.0074				10.5		20.0			
Bromodichloromethane	+++++ 1.3614	1.4113 1.3757	1.1389 1.3644	1.2840	1.2747	Ave		1.3158			0.2000	7.0		20.0			
2-Chloroethyl vinyl ether	+++++ 0.7999	0.7711 0.7687	0.6849 0.7850	0.7485	0.7635	Ave		0.7602				4.9		20.0			
cis-1,3-Dichloropropene	1.7084 1.8432	1.7290 1.8096	1.7072 1.7528	1.6491	1.6764	Ave		1.7345			0.2000	3.8		20.0			
4-Methyl-2-pentanone (MIBK)	+++++ 0.5972	0.5829 0.5834	0.5599 0.5547	0.5718	0.5840	Ave		0.5763			0.1000	2.6		20.0			
Toluene	+++++ 1.5435	1.6457 1.4610	1.5377 1.4000	1.4898	1.4391	Ave		1.5024			0.4000	5.4		20.0			
trans-1,3-Dichloropropene	+++++ 0.8020	0.7728 0.8164	0.6880 0.8028	0.7328	0.7253	Ave		0.7629			0.1000	6.3		20.0			
Ethyl methacrylate	+++++ 0.7199	0.7093 0.7361	0.6141 0.7418	0.6989	0.6692	Ave		0.6985				6.4		20.0			
1,1,2-Trichloroethane	0.4085 0.4302	0.3880 0.4203	0.4188 0.4105	0.4193	0.4179	Ave		0.4142			0.1000	3.0		20.0			
Tetrachloroethene	0.6272 0.6681	0.6482 0.6361	0.6267 0.5974	0.6296	0.5790	Ave		0.6265			0.2000	4.4		20.0			
1,3-Dichloropropane	+++++ 0.9026	0.9386 0.8878	0.9448 0.8596	0.9021	0.8856	Ave		0.9030				3.3		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: TestAmerica Buffalo Job No.: 480-118149-1 Analy Batch No.: 357500

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/15/2017 22:59 Calibration End Date: 05/16/2017 01:41 Calibration ID: 30562

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-Hexanone	0.3890 0.4146	0.3934 0.4055	0.3819 0.4012	0.3921	0.3992	Ave		0.3971			0.1000	2.6		20.0			
Dibromochloromethane	0.4519 0.5497	0.3517 0.5655	0.4727 0.5639	0.4892	0.4925	Ave		0.4921			0.1000	14.5		20.0			
1,2-Dibromoethane	0.5268 0.5515	0.5307 0.5573	0.5133 0.5331	0.5346	0.5396	Ave		0.5359				2.6		20.0			
Chlorobenzene	+++++ 1.7032	1.8333 1.6285	1.6471 1.5378	1.6963	1.5992	Ave		1.6636			0.5000	5.6		20.0			
Ethylbenzene	2.8848 2.7688	2.9993 2.6657	2.7462 2.4719	2.6056	2.4976	Ave		2.7050			0.1000	6.8		20.0			
1,1,1,2-Tetrachloroethane	0.5002 0.5680	0.5245 0.5698	0.4885 0.5605	0.5177	0.5131	Ave		0.5303				6.0		20.0			
m,p-Xylene	1.1916 1.1252	1.1650 1.0932	1.1009 1.0443	1.0366	1.0214	Ave		1.0973			0.1000	5.6		20.0			
o-Xylene	+++++ 1.0901	1.0775 1.0569	1.0850 1.0112	1.0363	1.0095	Ave		1.0524			0.3000	3.2		20.0			
Styrene	+++++ 1.8336	1.7957 1.8065	1.6946 1.7427	1.7028	1.7275	Ave		1.7576			0.3000	3.1		20.0			
Bromoform	+++++ 0.3311	0.1875 0.3564	0.2311 0.3691	0.2978	0.2911	Lin1	-0.250	0.3617			0.1000				0.9980		0.9900
Isopropylbenzene	+++++ 2.8563	3.0865 2.7954	2.8376 2.5598	2.7105	2.6980	Ave		2.7920			0.1000	5.9		20.0			
Bromobenzene	+++++ 0.7551	0.7656 0.7602	0.6950 0.7296	0.7678	0.7363	Ave		0.7442				3.5		20.0			
1,1,2,2-Tetrachloroethane	0.6881 0.6817	0.6778 0.6716	0.6692 0.6539	0.6573	0.6690	Ave		0.6711			0.3000	1.7		20.0			
1,2,3-Trichloropropane	+++++ 0.2257	0.2457 0.2166	0.2218 0.2097	0.2278	0.2235	Ave		0.2244				5.0		20.0			
N-Propylbenzene	3.3010 3.2957	3.5172 3.1799	3.1076 2.8674	3.1422	3.0629	Ave		3.1842				6.0		20.0			
trans-1,4-Dichloro-2-butene	0.2067 0.2066	0.1689 0.2069	0.1944 0.2106	0.1875	0.1905	Ave		0.1965				7.2		20.0			
2-Chlorotoluene	+++++ 0.7040	0.7920 0.6836	0.6708 0.6521	0.6724	0.6389	Ave		0.6877				7.4		20.0			
1,3,5-Trimethylbenzene	2.4099 2.3797	2.5012 2.3361	2.3353 2.1591	2.3573	2.1853	Ave		2.3330				4.8		20.0			
4-Chlorotoluene	+++++ 0.7164	0.7670 0.7242	0.7316 0.6866	0.6994	0.6913	Ave		0.7166				3.9		20.0			
tert-Butylbenzene	0.5874 0.5788	0.6349 0.5632	0.5761 0.5370	0.5327	0.5200	Ave		0.5663				6.5		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: TestAmerica Buffalo Job No.: 480-118149-1 Analy Batch No.: 357500

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/15/2017 22:59 Calibration End Date: 05/16/2017 01:41 Calibration ID: 30562

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								
1,2,4-Trimethylbenzene	2.4558 2.4489	2.5980 2.3900	2.4181 2.2010	2.3644	2.3584	Ave		2.4043				4.7		20.0			
sec-Butylbenzene	3.0988 3.1646	3.3231 3.0977	3.0545 2.7702	3.0000	2.9198	Ave		3.0536				5.4		20.0			
1,3-Dichlorobenzene	+++++ 1.3968	1.4722 1.3645	1.3846 1.2615	1.3571	1.3642	Ave		1.3716			0.6000	4.5		20.0			
4-Isopropyltoluene	2.6182 2.6489	2.9256 2.5646	2.5989 2.3242	2.4823	2.4270	Ave		2.5737				7.0		20.0			
1,4-Dichlorobenzene	+++++ 1.4197	1.5892 1.3833	1.4283 1.3177	1.4795	1.3746	Ave		1.4275			0.5000	6.1		20.0			
n-Butylbenzene	2.3922 2.4521	2.5538 2.3304	2.3311 2.1498	2.3011	2.2440	Ave		2.3443				5.3		20.0			
1,2-Dichlorobenzene	+++++ 1.3673	1.4652 1.3406	1.3430 1.2560	1.3703	1.3213	Ave		1.3520			0.4000	4.7		20.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.1176	0.1189 0.1219	0.0888 0.1237	0.1033	0.1105	Ave		0.1121			0.0500	11.1		20.0			
1,2,4-Trichlorobenzene	1.1206 1.0540	1.2307 1.0288	0.9725 0.9729	1.0172	1.0229	Ave		1.0524			0.2000	8.2		20.0			
Hexachlorobutadiene	0.5355 0.4881	0.6227 0.4757	0.4820 0.4495	0.4364	0.4434	Ave		0.4917				12.5		20.0			
Naphthalene	2.6700 2.6758	2.7232 2.6209	2.5235 2.4922	2.6003	2.5956	Ave		2.6127				3.0		20.0			
1,2,3-Trichlorobenzene	+++++ 0.9645	0.9622 0.9495	0.9663 0.9135	0.8761	0.9455	Ave		0.9397				3.6		20.0			
Dibromofluoromethane (Surr)	1.1903 1.2325	1.2530 1.2383	1.2194 1.2363	1.2341	1.2394	Ave		1.2304				1.5		20.0			
1,2-Dichloroethane-d4 (Surr)	0.7422 0.7455	0.7518 0.7528	0.7543 0.7401	0.7811	0.7813	Ave		0.7561				2.2		20.0			
Toluene-d8 (Surr)	2.4840 2.4635	2.4394 2.4465	2.4842 2.4732	2.4796	2.4233	Ave		2.4617				0.9		20.0			
4-Bromofluorobenzene (Surr)	0.7449 0.7438	0.7473 0.7623	0.7401 0.7800	0.7227	0.7394	Ave		0.7476				2.3		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
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1 Analy Batch No.: 357500

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/15/2017 22:59 Calibration End Date: 05/16/2017 01:41 Calibration ID: 30562

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-357500/4	S6634.D
Level 2	IC 480-357500/5	S6635.D
Level 3	IC 480-357500/6	S6636.D
Level 4	IC 480-357500/7	S6637.D
Level 5	IC 480-357500/8	S6638.D
Level 6	ICIS 480-357500/9	S6639.D
Level 7	IC 480-357500/10	S6640.D
Level 8	IC 480-357500/11	S6641.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	3953 190549	7532 389645	16247 751806	36643	72418	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	+++++ 209350	10176 404260	18208 768065	43610	84400	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	4233 200819	8981 391002	16071 757791	42179	79279	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	+++++ 197337	9209 390338	17507 750649	40992	77629	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	+++++ 85026	4720 172612	8226 342341	20700	36710	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	2211 109342	5683 210503	9075 409509	20397	41636	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	+++++ 223351	9752 413712	19631 785304	47618	89478	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	+++++ 228263	7489 464706	14134 977619	41246	78658	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	3242 167689	7135 331181	13151 630328	33069	65300	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	+++++ 171097	8753 341341	13867 644407	35048	63559	+++++ 125	5.00 250	10.0 500	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	3331 197119	7572 370619	14723 695273	32423	61786	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethene	FB	Ave	4264 207614	9203 403567	17445 760734	39997	74271	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	+++++ 328433	15968 621091	26179 1211096	64939	134430	+++++ 125	5.00 250	10.0 500	25.0	50.0
Iodomethane	FB	Ave	+++++ 303986	12075 589036	24919 1145316	58273	110392	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	+++++ 494320	23540 974765	38803 1896479	93571	173312	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1 Analy Batch No.: 357500

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/15/2017 22:59 Calibration End Date: 05/16/2017 01:41 Calibration ID: 30562

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
Allyl chloride	FB	Ave	+++++ 235720	10409 479339	19381 868782	46803	95516	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	16461 797668	32782 1576430	62523 3030628	156603	315896	2.50 125	5.00 250	10.0 500	25.0	50.0
Methylene Chloride	FB	Ave	+++++ 198034	8802 377526	17861 725828	42554	74175	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	4436 222228	8770 439997	17880 910776	41339	85946	5.00 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	+++++ 565402	23214 1105012	43844 2162700	111640	220996	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	4331 209907	8026 401268	16229 753638	38400	76093	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	15457 853178	30982 1614548	64392 3172100	172354	334261	5.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	+++++ 319223	12209 603783	26074 1137879	56160	106528	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	+++++ 352329	15155 677712	27750 1290869	67915	127881	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	+++++ 895586	31642 1800421	60846 3517165	163300	331868	+++++ 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	+++++ 135512	5950 259448	11226 472949	26980	51680	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	4953 235453	9651 446668	17881 864831	46032	88612	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	+++++ 512671	21320 995448	42877 1988499	99780	205287	+++++ 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	+++++ 110837	4637 217793	8796 424276	20846	44143	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	+++++ 132611	7154 258869	11986 524979	26869	54150	+++++ 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	+++++ 347553	16300 666460	28310 1267730	64456	129175	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1-Trichloroethane	FB	Ave	4068 227423	8347 443883	16313 848150	39682	79091	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	+++++ 348320	13652 667774	27218 1248246	62742	116072	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	+++++ 205516	7314 403542	14637 825435	36325	67957	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	5264 264851	11372 498757	20887 957875	49779	96119	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Benzene	FB	Ave	+++++ 806900	32762 1561305	63348 2927387	154935	308433	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1 Analy Batch No.: 357500

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/15/2017 22:59 Calibration End Date: 05/16/2017 01:41 Calibration ID: 30562

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
Isobutyl alcohol	FB	Ave	+++++ 252555	9512 541601	19051 1084984	42743	94747	+++++ 625	25.0 1250	50.0 2500	125	250
1,2-Dichloroethane	FB	Ave	+++++ 268129	10872 512527	22223 1006553	55693	100862	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	+++++ 302418	12944 583338	26589 1077541	57778	101404	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	3945 210682	8710 398403	17130 768962	40710	76435	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	6327 352790	13911 673624	27740 1260555	64070	114795	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	+++++ 205576	7857 392954	16382 761820	39751	74792	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromomethane	FB	Ave	2777 131125	5338 256442	9471 494099	25551	51282	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBNZ d5	Ave	+++++ 52072	+++++ 105014	3126 223822	10596	20771	+++++ 500	+++++ 1000	40.0 2000	100	200
Bromodichloromethane	FB	Ave	+++++ 232786	9513 477727	15418 950579	43100	85753	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	+++++ 136773	5198 266953	9272 546872	25127	51360	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	5905 315164	11655 628436	23111 1221153	55355	112775	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Ave	+++++ 1026983	39110 2020088	74327 3847767	193403	400366	+++++ 125	5.00 250	10.0 500	25.0	50.0
Toluene	CBNZ d5	Ave	+++++ 530820	22083 1011701	40829 1942484	100779	197319	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	+++++ 275802	10370 565362	18268 1113801	49575	99438	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBNZ d5	Ave	+++++ 247574	9518 509747	16304 1029209	47278	91758	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBNZ d5	Ave	2749 147956	5207 291070	11119 569596	28363	57301	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrachloroethene	CBNZ d5	Ave	4221 229774	8698 440463	16640 828835	42589	79390	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichloropropane	CBNZ d5	Ave	+++++ 310401	12594 614765	25086 1192693	61024	121417	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBNZ d5	Ave	13090 713005	26397 1403887	50705 2783319	132608	273676	2.50 125	5.00 250	10.0 500	25.0	50.0
Dibromochloromethane	CBNZ d5	Ave	3041 189036	4719 391593	12550 782441	33096	67530	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBNZ d5	Ave	3545 189676	7121 385933	13629 739582	36161	73982	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1 Analy Batch No.: 357500

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/15/2017 22:59 Calibration End Date: 05/16/2017 01:41 Calibration ID: 30562

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
Chlorobenzene	CBNZ d5	Ave	+++++ 585757	24600 1127735	43732 2133603	114748	219266	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBNZ d5	Ave	19413 952228	40246 1845942	72916 3429664	176262	342441	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	3366 195354	7038 394551	12969 777710	35019	70353	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
m,p-Xylene	CBNZ d5	Ave	8019 386973	15632 757018	29231 1448942	70126	140042	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBNZ d5	Ave	+++++ 374903	14458 731925	28809 1402920	70104	138405	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBNZ d5	Ave	+++++ 630587	24095 1250962	44993 2417866	115189	236856	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBNZ d5	Lin1	+++++ 113876	2516 246816	6137 512039	20146	39911	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Isopropylbenzene	DCBd 4	Ave	+++++ 962771	38662 1872117	73795 3482638	175065	353405	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCBd 4	Ave	+++++ 254532	9590 509114	18073 992593	49590	96445	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	4420 229789	8490 449800	17402 889640	42451	87635	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCBd 4	Ave	+++++ 76082	3078 145092	5768 285236	14713	29272	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCBd 4	Ave	21204 1110883	44057 2129637	80817 3901112	202947	401192	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	1328 69635	2116 138549	5056 286485	12107	24955	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCBd 4	Ave	+++++ 237292	9921 457843	17444 887122	43428	83688	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	15480 802116	31331 1564560	60732 2937488	152249	286241	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Chlorotoluene	DCBd 4	Ave	+++++ 241463	9608 485019	19027 934099	45174	90545	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCBd 4	Ave	3773 195082	7953 377161	14983 730553	34406	68113	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	15775 825444	32543 1600634	62885 2994473	152709	308915	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCBd 4	Ave	19905 1066693	41626 2074601	79436 3768870	193760	382449	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCBd 4	Ave	+++++ 470815	18441 913836	36007 1716237	87654	178688	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCBd 4	Ave	16818 892860	36647 1717591	67588 3162079	160327	317896	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1 Analy Batch No.: 357500

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/15/2017 22:59 Calibration End Date: 05/16/2017 01:41 Calibration ID: 30562

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
1,4-Dichlorobenzene	DCBd 4	Ave	+++++ 478552	19907 926448	37145 1792743	95556	180049	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCBd 4	Ave	15366 826520	31990 1560745	60622 2924767	148623	293934	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCBd 4	Ave	+++++ 460860	18353 897815	34925 1708828	88507	173072	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	+++++ 39639	1489 81627	2309 168266	6669	14476	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	7198 355276	15416 688986	25292 1323642	65695	133987	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCBd 4	Ave	3440 164511	7800 318606	12534 611560	28184	58083	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Naphthalene	DCBd 4	Ave	17151 901939	34111 1755277	65626 3390549	167947	339984	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	+++++ 325116	12053 635908	25129 1242812	56588	123852	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	205714 210740	211154 215009	206344 215333	207126	208437	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	128276 127469	126695 130717	127642 128900	131096	131398	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBNZ d5	Ave	835808 847215	818322 847095	824499 857858	838681	830650	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	250655 255787	250683 263953	245644 270565	244427	253454	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20170515-62534.b\S6634.D
Lims ID: IC 0.5
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 15-May-2017 22:59:30 ALS Bottle#: 39 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 0.5
Misc. Info.: 480-0062534-004
Operator ID: SO Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20170515-62534.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 16-May-2017 13:45:21 Calib Date: 16-May-2017 05:55:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20170515-62534.b\S6652.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK039

First Level Reviewer: archern Date: 16-May-2017 12:24:00

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	5.546	5.546	0.000	99	172821	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.552	8.551	0.001	85	336476	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.924	10.924	0.000	95	321175	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.956	4.956	0.000	70	205714	25.0	24.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.267	5.266	0.001	0	128276	25.0	24.5	
$ 5 Toluene-d8 (Surr)	98	7.067	7.067	0.000	93	835808	25.0	25.2	
$ 6 4-Bromofluorobenzene (Surr	174	9.799	9.799	0.000	92	250655	25.0	24.9	
10 Dichlorodifluoromethane	85	1.300	1.306	-0.006	25	3953	0.5000	0.5114	
12 Chloromethane	50	1.458	1.464	-0.006	76	6317	0.5000	0.7188	
13 Vinyl chloride	62	1.568	1.580	-0.012	36	4233	0.5000	0.5120	
151 Butadiene	54	1.598	1.598	0.000	90	4853	0.5000	0.5857	
14 Bromomethane	94	1.872	1.890	-0.018	20	3452	0.5000	0.8836	
15 Chloroethane	64	2.006	2.000	0.006	18	2211	0.5000	0.4908	
16 Dichlorofluoromethane	67	2.225	2.225	0.000	17	6314	0.5000	0.6897	
17 Trichlorofluoromethane	101	2.219	2.261	-0.042	1	2428	0.5000	0.2849	
18 Ethyl ether	59	2.523	2.523	0.000	72	3242	0.5000	0.4833	
20 Acrolein	56	2.693	2.699	-0.006	54	4404	2.50	3.09	
21 1,1,2-Trichloro-1,2,2-trif	101	2.736	2.754	-0.018	24	3331	0.5000	0.4657	
22 1,1-Dichloroethene	96	2.760	2.760	0.000	79	4264	0.5000	0.5113	
23 Acetone	43	2.870	2.863	0.007	89	10772	2.50	3.99	
25 Iodomethane	142	2.937	2.930	0.006	52	6960	0.5000	0.5812	
26 Carbon disulfide	76	2.979	2.985	-0.006	76	11363	0.5000	0.5712	
28 3-Chloro-1-propene	41	3.119	3.119	0.000	15	7046	0.5000	0.7283	
27 Methyl acetate	43	3.168	3.168	0.000	86	16461	2.50	2.56	
30 Methylene Chloride	84	3.295	3.295	0.000	75	6076	0.5000	0.7428	
31 2-Methyl-2-propanol	59	3.441	3.435	0.006	70	4436	5.00	4.99	
32 Methyl tert-butyl ether	73	3.496	3.490	0.006	65	10686	0.5000	0.4728	
34 trans-1,2-Dichloroethene	96	3.508	3.502	0.006	52	4331	0.5000	0.5342	
33 Acrylonitrile	53	3.551	3.551	0.000	88	15457	5.00	4.69	
35 Hexane	57	3.709	3.709	0.000	67	7308	0.5000	0.6049	

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	3.922	3.928	-0.006	7	8299	0.5000	0.5965	
37 Vinyl acetate	43	3.989	3.983	0.006	97	15266	1.00	0.8972	
44 2,2-Dichloropropane	77	4.457	4.451	0.006	9	3295	0.5000	0.6064	
45 cis-1,2-Dichloroethene	96	4.494	4.488	0.006	9	4953	0.5000	0.5318	
43 2-Butanone (MEK)	43	4.530	4.518	0.012	91	11632	2.50	2.79	
48 Chlorobromomethane	128	4.725	4.725	0.000	52	2475	0.5000	0.5570	
49 Tetrahydrofuran	42	4.774	4.749	0.025	76	4739	1.00	1.65	
50 Chloroform	83	4.798	4.798	0.000	72	8677	0.5000	0.6222	
51 1,1,1-Trichloroethane	97	4.914	4.920	-0.006	44	4068	0.5000	0.4802	
52 Cyclohexane	56	4.944	4.938	0.006	18	7463	0.5000	0.5647	
55 Carbon tetrachloride	117	5.060	5.060	0.000	56	4591	0.5000	0.5954	
54 1,1-Dichloropropene	75	5.072	5.078	-0.006	53	5264	0.5000	0.5066	
53 Isobutyl alcohol	43	5.291	5.279	0.012	10	5753	12.5	14.4	
57 Benzene	78	5.273	5.279	-0.006	31	18724	0.5000	0.5896	
58 1,2-Dichloroethane	62	5.340	5.339	0.001	21	6359	0.5000	0.5907	
59 n-Heptane	43	5.467	5.467	0.000	71	7294	0.5000	0.6100	
62 Trichloroethene	95	5.899	5.893	0.006	60	3945	0.5000	0.4790	
64 Methylcyclohexane	83	6.015	6.021	-0.006	60	6327	0.5000	0.4764	
65 1,2-Dichloropropane	63	6.124	6.130	-0.006	45	4863	0.5000	0.6080	
67 Dibromomethane	93	6.264	6.264	0.000	65	2777	0.5000	0.5327	
66 1,4-Dioxane	88		6.276				ND	ND	
68 Dichlorobromomethane	83	6.416	6.416	0.000	25	3886	0.5000	0.4272	
69 2-Chloroethyl vinyl ether	63	6.708	6.696	0.012	29	1920	0.5000	0.3653	
72 cis-1,3-Dichloropropene	75	6.848	6.836	0.012	29	5905	0.5000	0.4925	
73 4-Methyl-2-pentanone (MIBK	43	6.988	6.982	0.006	86	17435	2.50	2.25	
74 Toluene	92	7.134	7.134	0.000	69	11327	0.5000	0.5602	
77 trans-1,3-Dichloropropene	75	7.402	7.402	0.000	49	4307	0.5000	0.4195	
75 Ethyl methacrylate	69	7.457	7.450	0.007	30	3821	0.5000	0.4065	
79 1,1,2-Trichloroethane	83	7.584	7.596	-0.012	21	2749	0.5000	0.4931	
81 Tetrachloroethene	166	7.663	7.669	-0.006	61	4221	0.5000	0.5006	
82 1,3-Dichloropropane	76	7.761	7.755	0.006	41	6719	0.5000	0.5528	
80 2-Hexanone	43	7.828	7.821	0.007	78	13090	2.50	2.45	
83 Chlorodibromomethane	129	8.004	7.992	0.012	1	3041	0.5000	0.4591	
84 Ethylene Dibromide	107	8.101	8.101	0.000	40	3545	0.5000	0.4915	
87 Chlorobenzene	112	8.582	8.582	0.000	12	12760	0.5000	0.5699	
88 Ethylbenzene	91	8.673	8.673	0.000	63	19413	0.5000	0.5332	
89 1,1,1,2-Tetrachloroethane	131	8.679	8.679	0.000	5	3366	0.5000	0.4716	
90 m-Xylene & p-Xylene	106	8.795	8.795	0.000	0	8019	0.5000	0.5430	
91 o-Xylene	106	9.227	9.221	0.006	61	8095	0.5000	0.5715	
92 Styrene	104	9.257	9.251	0.006	54	10589	0.5000	0.4476	
95 Bromoform	173	9.495	9.494	0.001	2	1744	0.5000	1.05	
94 Isopropylbenzene	105	9.604	9.604	0.000	64	19705	0.5000	0.5494	
101 Bromobenzene	156	9.951	9.945	0.006	64	5088	0.5000	0.5322	
97 1,1,2,2-Tetrachloroethane	83	9.993	9.987	0.006	1	4420	0.5000	0.5127	
100 1,2,3-Trichloropropane	110	10.030	10.024	0.006	1	1630	0.5000	0.5654	M
99 N-Propylbenzene	91	10.030	10.024	0.006	84	21204	0.5000	0.5183	
98 trans-1,4-Dichloro-2-buten	53	10.030	10.036	-0.006	2	1328	0.5000	0.5260	
103 2-Chlorotoluene	126	10.133	10.127	0.006	67	5029	0.5000	0.5692	
102 1,3,5-Trimethylbenzene	105	10.200	10.200	0.000	63	15480	0.5000	0.5165	
105 4-Chlorotoluene	126	10.237	10.237	0.000	70	4202	0.5000	0.4564	
106 tert-Butylbenzene	134	10.523	10.523	0.000	51	3773	0.5000	0.5186	
107 1,2,4-Trimethylbenzene	105	10.571	10.571	0.000	23	15775	0.5000	0.5107	

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	10.723	10.729	-0.006	53	19905	0.5000	0.5074	
110 4-Isopropyltoluene	119	10.869	10.863	0.006	51	16818	0.5000	0.5086	
111 1,3-Dichlorobenzene	146	10.863	10.863	0.000	55	10356	0.5000	0.5877	
113 1,4-Dichlorobenzene	146	10.949	10.948	0.001	2	10547	0.5000	0.5751	
115 n-Butylbenzene	91	11.247	11.247	0.000	77	15366	0.5000	0.5102	
116 1,2-Dichlorobenzene	146	11.295	11.295	0.000	59	9951	0.5000	0.5729	
117 1,2-Dibromo-3-Chloropropan	75	12.019	12.019	0.000	1	402	0.5000	0.2792	
119 1,2,4-Trichlorobenzene	180	12.695	12.694	0.001	49	7198	0.5000	0.5324	
120 Hexachlorobutadiene	225	12.810	12.810	0.000	30	3440	0.5000	0.5446	
121 Naphthalene	128	12.914	12.907	0.007	67	17151	0.5000	0.5110	
122 1,2,3-Trichlorobenzene	180	13.102	13.108	-0.006	29	6597	0.5000	0.5465	
S 123 Total BTEX	1				0			2.80	
S 124 Xylenes, Total	1				0			1.11	
S 125 1,2-Dichloroethene, Total	1				0			1.07	
S 126 1,3-Dichloropropene, Total	1				0			0.9120	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00098	Amount Added:	0.50	Units: uL	
GAS CORP mix_00220	Amount Added:	0.50	Units: uL	
S_8260_IS_00230	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00198	Amount Added:	1.00	Units: uL	Run Reagent

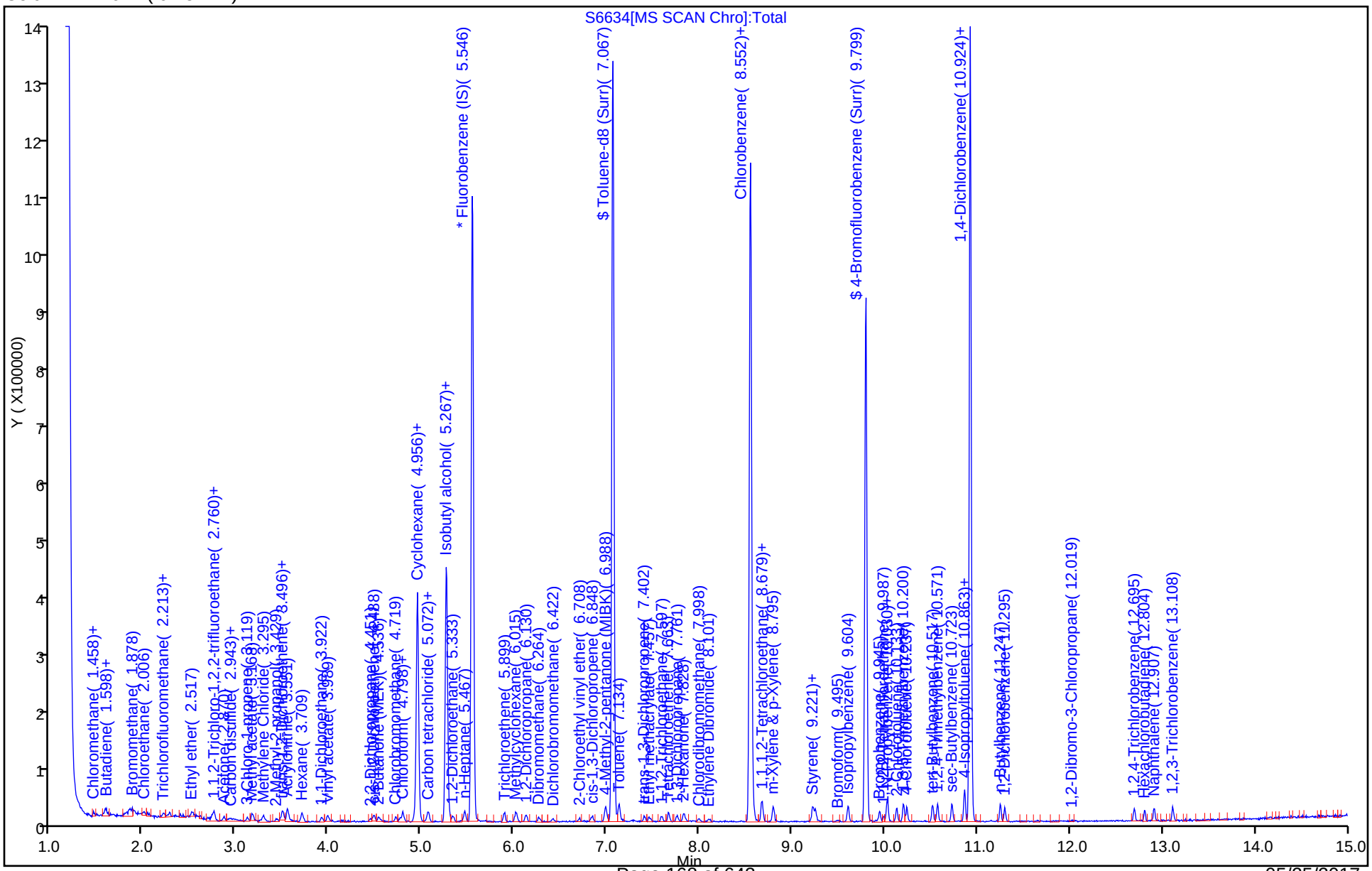
Report Date: 16-May-2017 13:45:23 Chrom Revision: 2.2 11-May-2017 11:43:00

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20170515-62534.b\S6634.D

Injection Date:	15-May-2017 22:59:30	Instrument ID:	HP5973S	Operator ID:	SO
Lims ID:	IC 0.5			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	39
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

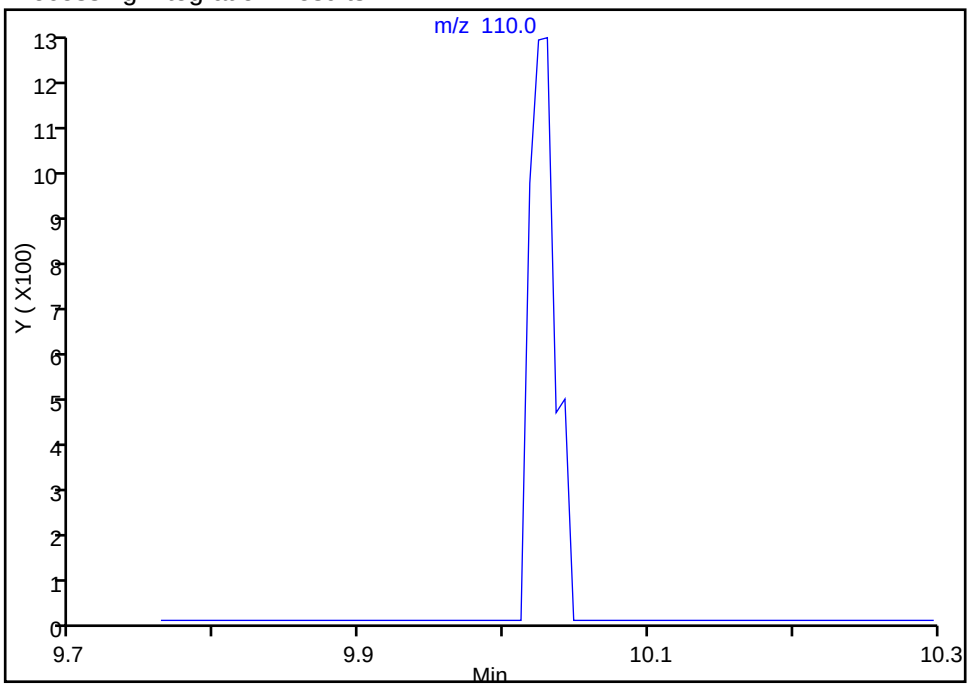
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Injection Date: 15-May-2017 22:59:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: SO ALS Bottle#: 39 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

100 1,2,3-Trichloropropane, CAS: 96-18-4

Signal: 1

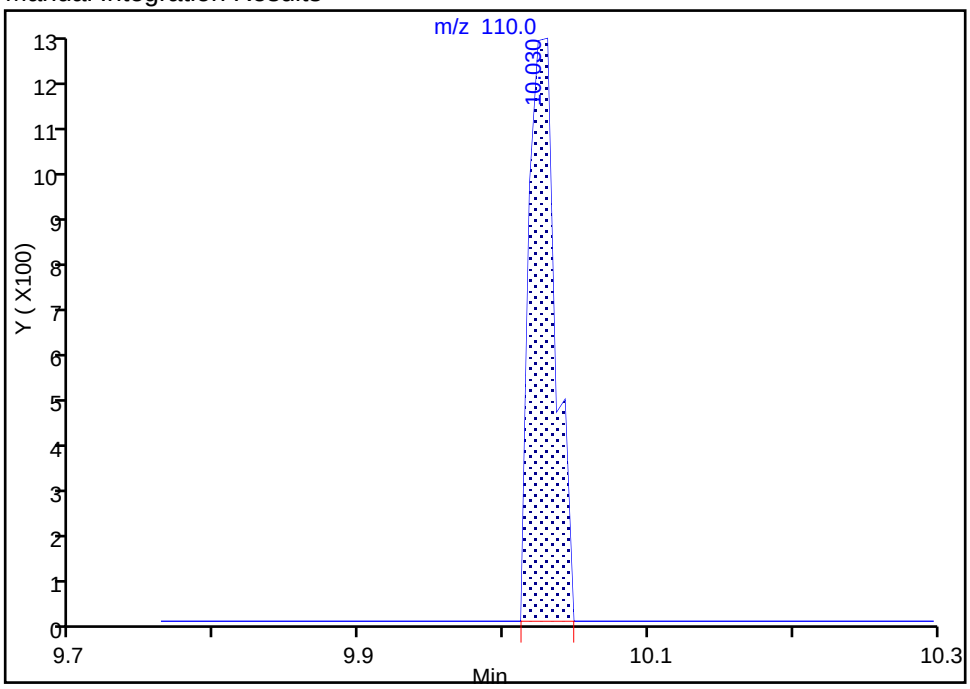
Not Detected
Expected RT: 10.02

Processing Integration Results



Manual Integration Results

RT: 10.03
Area: 1630
Amount: 0.565404
Amount Units: ug/L



Reviewer: archern, 16-May-2017 08:49:27
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

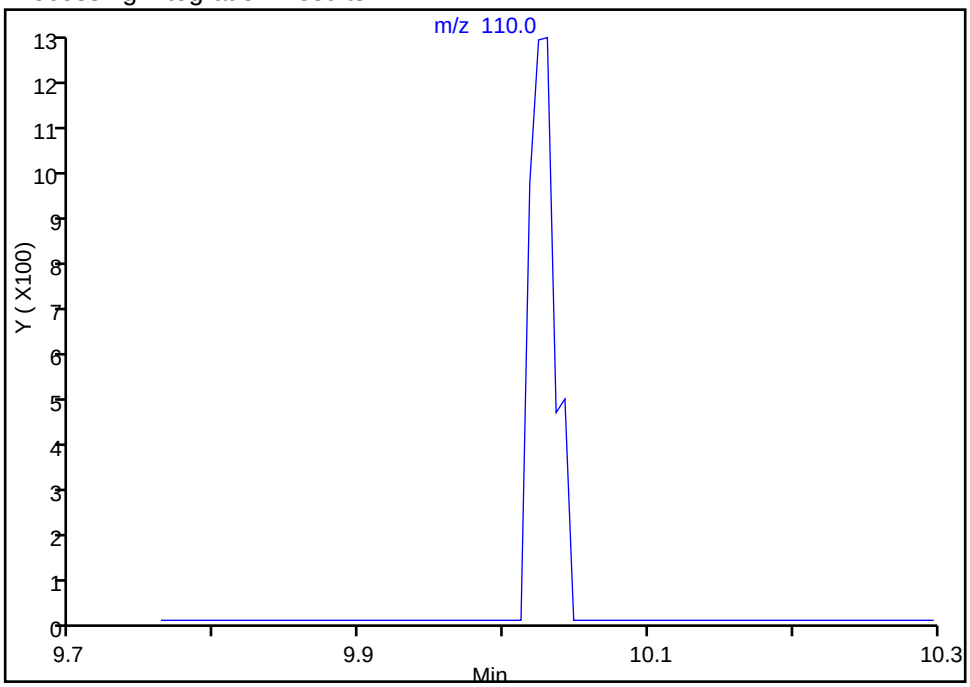
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Injection Date: 15-May-2017 22:59:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: SO ALS Bottle#: 39 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

100 1,2,3-Trichloropropane, CAS: 96-18-4

Signal: 1

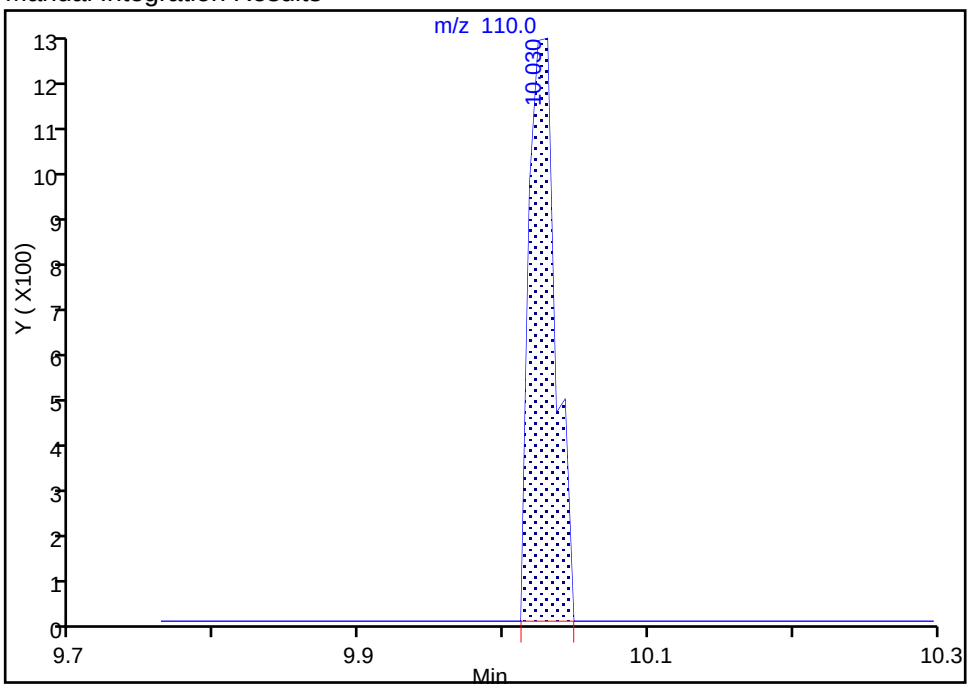
Not Detected
Expected RT: 10.02

Processing Integration Results



Manual Integration Results

RT: 10.03
Area: 1630
Amount: 0.565404
Amount Units: ug/L



Reviewer: archern, 16-May-2017 08:49:35
Audit Action: Manually Integrated Audit Reason: Assign Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20170515-62534.b\S6635.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 15-May-2017 23:22:30 ALS Bottle#: 40 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0062534-005
Operator ID: SO Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20170515-62534.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 16-May-2017 13:45:25 Calib Date: 16-May-2017 05:55:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20170515-62534.b\S6652.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK039

First Level Reviewer: HillL Date: 16-May-2017 13:21:54

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	5.546	5.546	0.000	99	168518	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.552	8.551	0.001	85	335461	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.924	10.924	0.000	95	313155	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.956	4.956	0.000	80	211154	25.0	25.5	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.266	5.266	0.000	0	126695	25.0	24.9	
$ 5 Toluene-d8 (Surr)	98	7.067	7.067	0.000	91	818322	25.0	24.8	
$ 6 4-Bromofluorobenzene (Surr	174	9.799	9.799	0.000	94	250683	25.0	25.0	
10 Dichlorodifluoromethane	85	1.312	1.306	0.006	50	7532	1.00	1.00	M
12 Chloromethane	50	1.464	1.464	0.000	80	10176	1.00	1.19	
13 Vinyl chloride	62	1.568	1.580	-0.012	59	8981	1.00	1.11	
151 Butadiene	54	1.598	1.598	0.000	84	9209	1.00	1.14	
14 Bromomethane	94	1.884	1.890	-0.006	79	4720	1.00	1.24	
15 Chloroethane	64	2.000	2.000	0.000	49	5683	1.00	1.29	
16 Dichlorofluoromethane	67	2.213	2.225	-0.013	52	9752	1.00	1.09	
17 Trichlorofluoromethane	101	2.255	2.261	-0.006	42	7489	1.00	0.9012	
18 Ethyl ether	59	2.523	2.523	0.000	75	7135	1.00	1.09	
20 Acrolein	56	2.699	2.699	0.000	74	8753	5.00	6.29	
21 1,1,2-Trichloro-1,2,2-trif	101	2.754	2.754	0.000	31	7572	1.00	1.09	
22 1,1-Dichloroethene	96	2.754	2.760	-0.006	84	9203	1.00	1.13	
23 Acetone	43	2.863	2.863	0.000	95	15968	5.00	6.06	
25 Iodomethane	142	2.930	2.930	0.000	81	12075	1.00	1.03	
26 Carbon disulfide	76	2.991	2.985	0.006	77	23540	1.00	1.21	
28 3-Chloro-1-propene	41	3.125	3.119	0.006	56	10409	1.00	1.10	M
27 Methyl acetate	43	3.174	3.168	0.006	93	32782	5.00	5.23	M
30 Methylene Chloride	84	3.289	3.295	-0.006	73	8802	1.00	1.10	
31 2-Methyl-2-propanol	59	3.447	3.435	0.012	77	8770	10.0	10.1	M
32 Methyl tert-butyl ether	73	3.496	3.490	0.006	83	23214	1.00	1.05	
34 trans-1,2-Dichloroethene	96	3.508	3.502	0.006	73	8026	1.00	1.02	
33 Acrylonitrile	53	3.557	3.551	0.006	99	30982	10.0	9.65	
35 Hexane	57	3.709	3.709	0.000	82	12209	1.00	1.04	

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	3.922	3.928	-0.006	52	15155	1.00	1.12	
37 Vinyl acetate	43	3.989	3.983	0.006	94	31642	2.00	1.91	
44 2,2-Dichloropropane	77	4.445	4.451	-0.006	44	5950	1.00	1.12	
45 cis-1,2-Dichloroethene	96	4.482	4.488	-0.006	46	9651	1.00	1.06	
43 2-Butanone (MEK)	43	4.536	4.518	0.018	96	21320	5.00	5.25	
48 Chlorobromomethane	128	4.719	4.725	-0.006	64	4637	1.00	1.07	
49 Tetrahydrofuran	42	4.768	4.749	0.019	74	7154	2.00	2.55	
50 Chloroform	83	4.792	4.798	-0.006	56	16300	1.00	1.20	
51 1,1,1-Trichloroethane	97	4.920	4.920	0.000	67	8347	1.00	1.01	
52 Cyclohexane	56	4.932	4.938	-0.006	36	13652	1.00	1.06	
55 Carbon tetrachloride	117	5.060	5.060	0.000	67	7314	1.00	0.9728	
54 1,1-Dichloropropene	75	5.072	5.078	-0.006	63	11372	1.00	1.12	
57 Benzene	78	5.279	5.279	0.000	49	32762	1.00	1.06	
53 Isobutyl alcohol	43	5.291	5.279	0.012	36	9512	25.0	24.5	
58 1,2-Dichloroethane	62	5.339	5.339	0.000	57	10872	1.00	1.04	
59 n-Heptane	43	5.467	5.467	0.000	79	12944	1.00	1.11	
62 Trichloroethene	95	5.893	5.893	0.000	76	8710	1.00	1.08	
64 Methylcyclohexane	83	6.021	6.021	0.000	75	13911	1.00	1.07	
65 1,2-Dichloropropane	63	6.130	6.130	0.000	62	7857	1.00	1.01	
67 Dibromomethane	93	6.270	6.264	0.006	72	5338	1.00	1.05	
66 1,4-Dioxane	88	6.288	6.276	0.012	1	1180	20.0	11.9	M
68 Dichlorobromomethane	83	6.422	6.416	0.006	77	9513	1.00	1.07	
69 2-Chloroethyl vinyl ether	63	6.702	6.696	0.006	60	5198	1.00	1.01	
72 cis-1,3-Dichloropropene	75	6.842	6.836	0.006	52	11655	1.00	1.00	
73 4-Methyl-2-pentanone (MIBK	43	6.988	6.982	0.006	92	39110	5.00	5.06	
74 Toluene	92	7.128	7.134	-0.006	73	22083	1.00	1.10	
77 trans-1,3-Dichloropropene	75	7.408	7.402	0.006	62	10370	1.00	1.01	
75 Ethyl methacrylate	69	7.457	7.450	0.007	51	9518	1.00	1.02	
79 1,1,2-Trichloroethane	83	7.596	7.596	0.000	56	5207	1.00	0.9369	
81 Tetrachloroethene	166	7.663	7.669	-0.006	72	8698	1.00	1.03	
82 1,3-Dichloropropane	76	7.761	7.755	0.006	70	12594	1.00	1.04	
80 2-Hexanone	43	7.828	7.821	0.007	90	26397	5.00	4.95	
83 Chlorodibromomethane	129	7.992	7.992	0.000	30	4719	1.00	0.7146	
84 Ethylene Dibromide	107	8.101	8.101	0.000	42	7121	1.00	0.99	
87 Chlorobenzene	112	8.582	8.582	0.000	74	24600	1.00	1.10	
88 Ethylbenzene	91	8.673	8.673	0.000	94	40246	1.00	1.11	
89 1,1,1,2-Tetrachloroethane	131	8.679	8.679	0.000	24	7038	1.00	0.9891	
90 m-Xylene & p-Xylene	106	8.795	8.795	0.000	0	15632	1.00	1.06	
91 o-Xylene	106	9.227	9.221	0.006	88	14458	1.00	1.02	
92 Styrene	104	9.251	9.251	0.000	82	24095	1.00	1.02	
95 Bromoform	173	9.495	9.494	0.001	33	2516	1.00	1.21	
94 Isopropylbenzene	105	9.604	9.604	0.000	75	38662	1.00	1.11	
101 Bromobenzene	156	9.945	9.945	0.000	87	9590	1.00	1.03	
97 1,1,2,2-Tetrachloroethane	83	9.993	9.987	0.006	35	8490	1.00	1.01	
99 N-Propylbenzene	91	10.030	10.024	0.006	94	44057	1.00	1.10	
100 1,2,3-Trichloropropane	110	10.030	10.024	0.006	26	3078	1.00	1.10	
98 trans-1,4-Dichloro-2-buten	53	10.042	10.036	0.006	1	2116	1.00	0.8596	
103 2-Chlorotoluene	126	10.127	10.127	0.000	93	9921	1.00	1.15	
102 1,3,5-Trimethylbenzene	105	10.200	10.200	0.000	73	31331	1.00	1.07	
105 4-Chlorotoluene	126	10.243	10.237	0.006	67	9608	1.00	1.07	
106 tert-Butylbenzene	134	10.517	10.523	-0.006	78	7953	1.00	1.12	
107 1,2,4-Trimethylbenzene	105	10.571	10.571	0.000	61	32543	1.00	1.08	

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	10.730	10.729	0.001	67	41626	1.00	1.09	
111 1,3-Dichlorobenzene	146	10.863	10.863	0.000	59	18441	1.00	1.07	
110 4-Isopropyltoluene	119	10.863	10.863	0.000	91	36647	1.00	1.14	
113 1,4-Dichlorobenzene	146	10.949	10.948	0.000	70	19907	1.00	1.11	
115 n-Butylbenzene	91	11.247	11.247	0.000	89	31990	1.00	1.09	
116 1,2-Dichlorobenzene	146	11.295	11.295	0.000	79	18353	1.00	1.08	
117 1,2-Dibromo-3-Chloropropan	75	12.025	12.019	0.006	2	1489	1.00	1.06	
119 1,2,4-Trichlorobenzene	180	12.701	12.694	0.007	56	15416	1.00	1.17	
120 Hexachlorobutadiene	225	12.810	12.810	0.000	57	7800	1.00	1.27	
121 Naphthalene	128	12.907	12.907	0.000	71	34111	1.00	1.04	
122 1,2,3-Trichlorobenzene	180	13.108	13.108	0.000	65	12053	1.00	1.02	
S 125 1,2-Dichloroethene, Total	1				0			2.08	
S 126 1,3-Dichloropropene, Total	1				0			2.01	
S 123 Total BTEX	1				0			5.35	
S 124 Xylenes, Total	1				0			2.09	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00098	Amount Added:	1.00	Units: uL	
GAS CORP mix_00220	Amount Added:	1.00	Units: uL	
S_8260_IS_00230	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00198	Amount Added:	1.00	Units: uL	Run Reagent

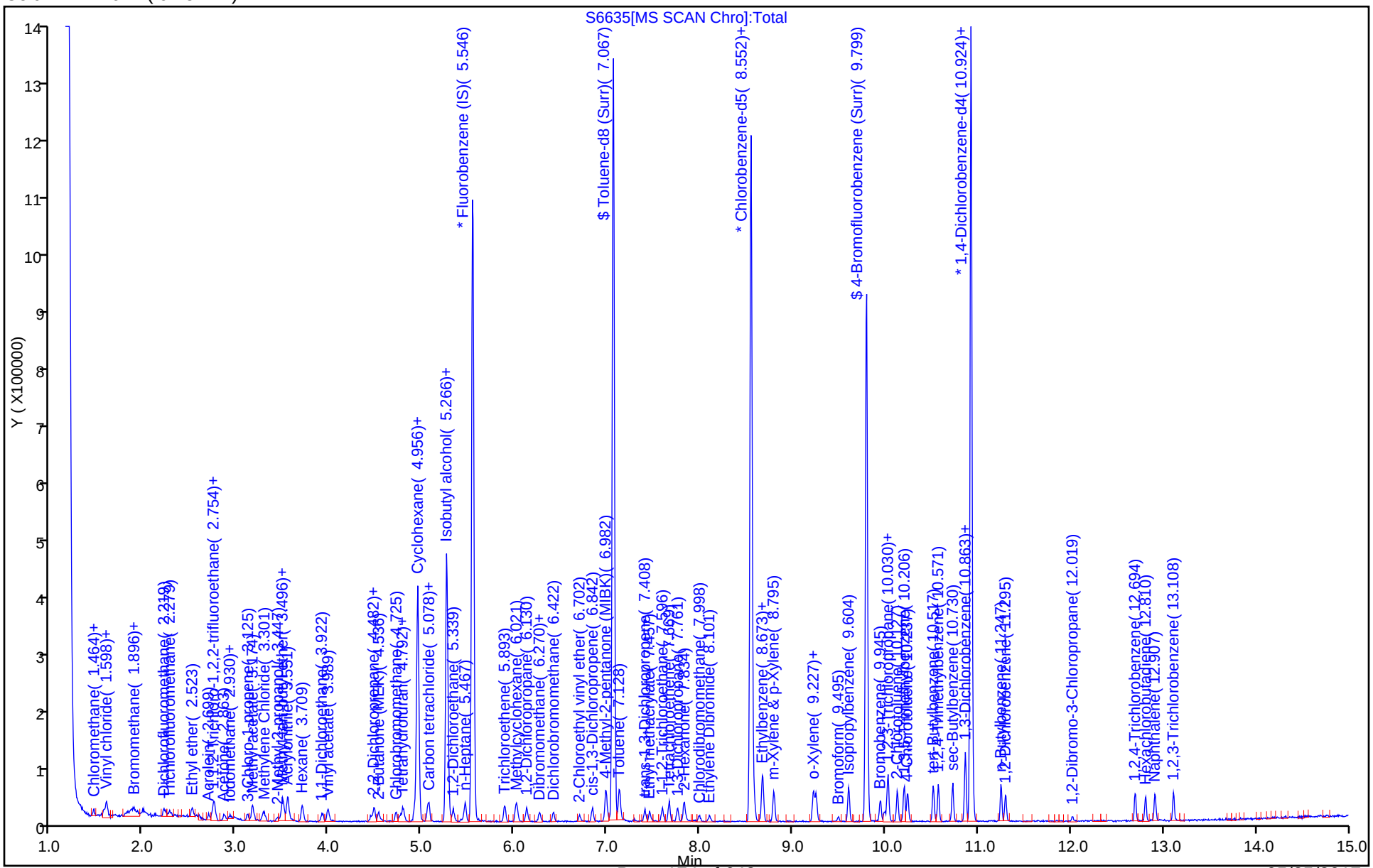
Report Date: 16-May-2017 13:45:28 Chrom Revision: 2.2 11-May-2017 11:43:00

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20170515-62534.b\S6635.D

Injection Date:	15-May-2017 23:22:30	Instrument ID:	HP5973S	Operator ID:	SO
Lims ID:	IC			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	40
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

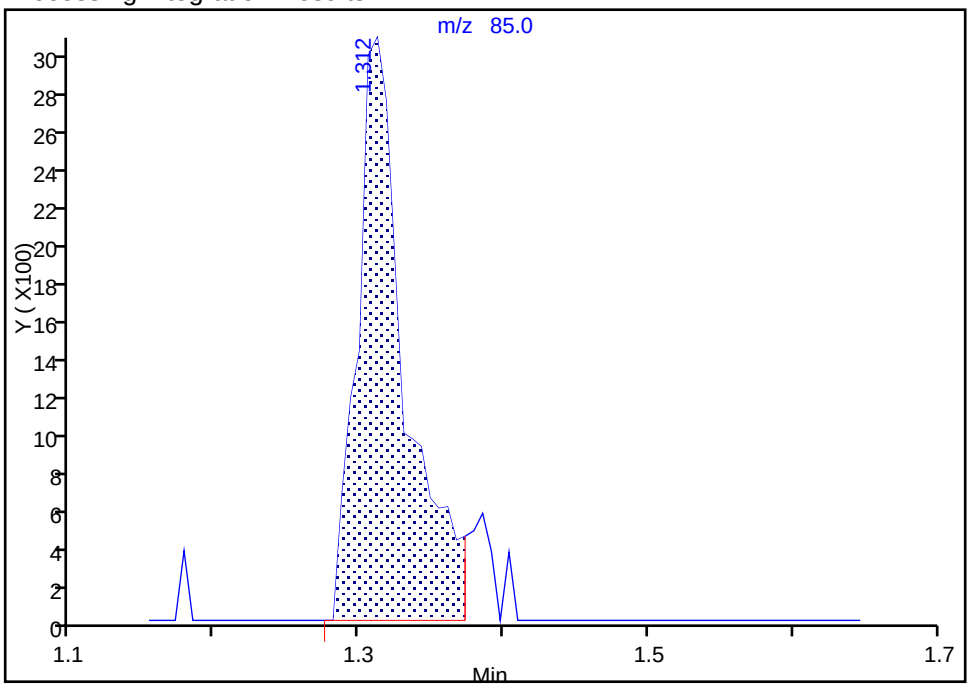
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Injection Date: 15-May-2017 23:22:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: SO ALS Bottle#: 40 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

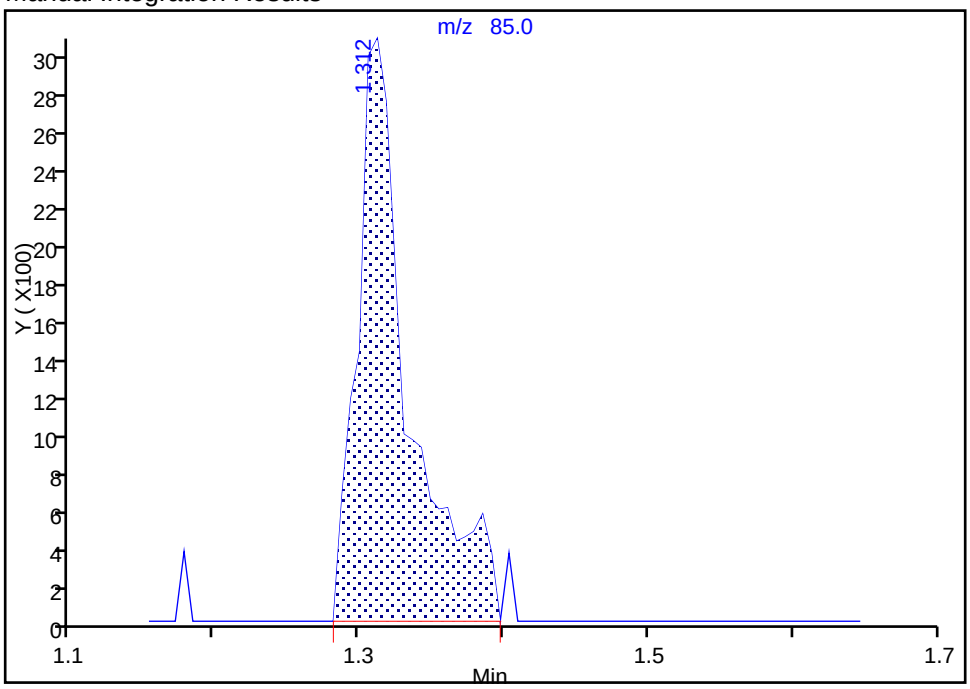
Processing Integration Results

RT: 1.31
Area: 7027
Amount: 0.943891
Amount Units: ug/L



Manual Integration Results

RT: 1.31
Area: 7532
Amount: 0.999356
Amount Units: ug/L



Reviewer: archern, 16-May-2017 08:53:31
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

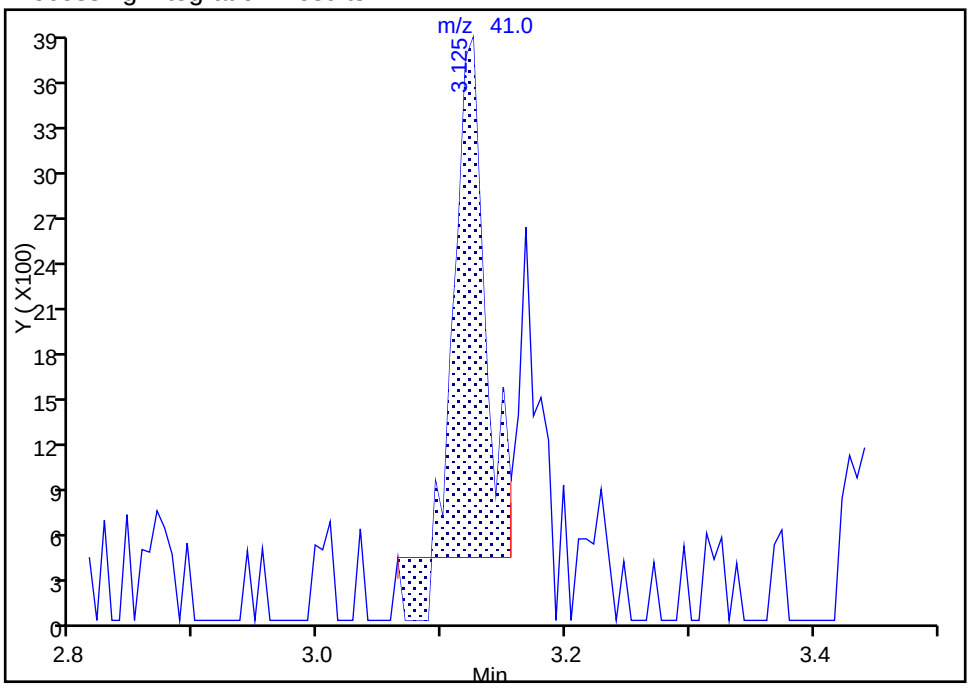
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Injection Date: 15-May-2017 23:22:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: SO ALS Bottle#: 40 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

28 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

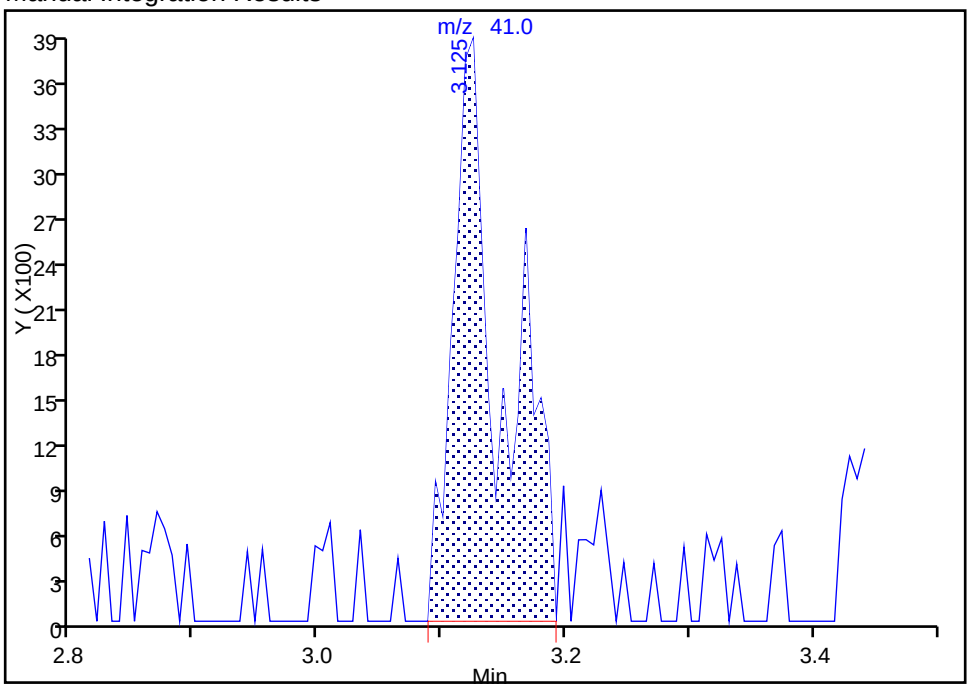
Processing Integration Results

RT: 3.13
Area: 5282
Amount: 0.476259
Amount Units: ug/L



Manual Integration Results

RT: 3.13
Area: 10409
Amount: 1.103459
Amount Units: ug/L



Reviewer: archern, 16-May-2017 08:53:53
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

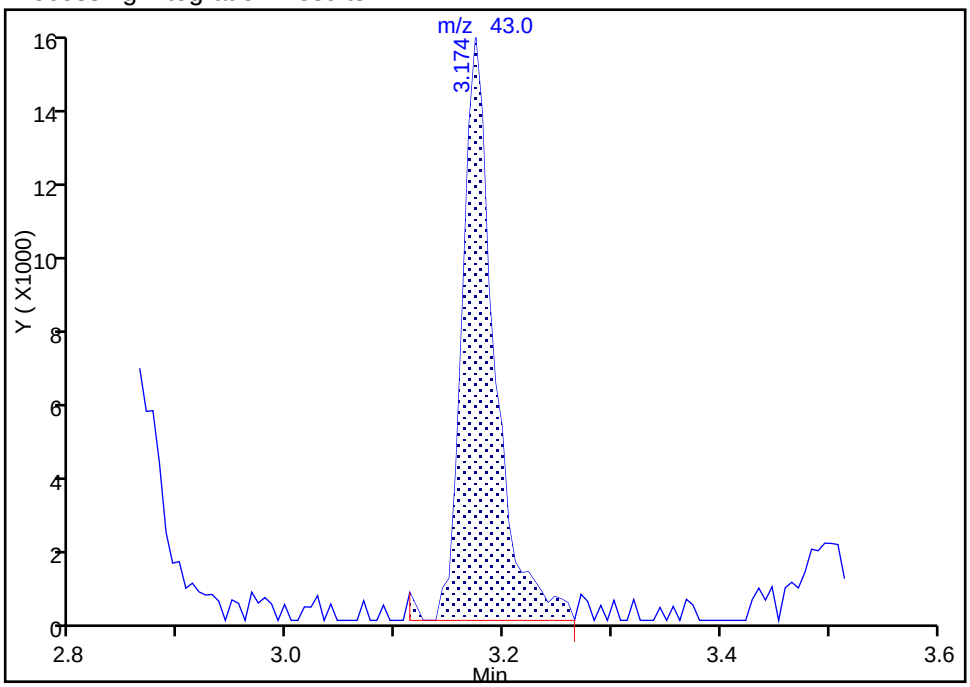
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20170515-62534.b\S6635.D
Injection Date: 15-May-2017 23:22:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: SO ALS Bottle#: 40 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

27 Methyl acetate, CAS: 79-20-9

Signal: 1

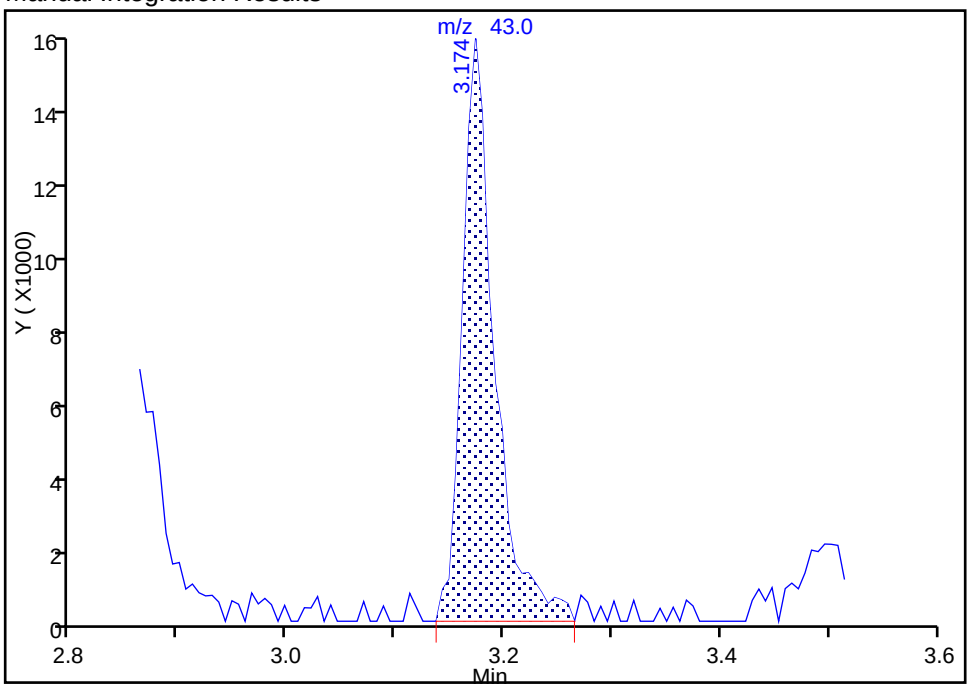
Processing Integration Results

RT: 3.17
Area: 33199
Amount: 5.292744
Amount Units: ug/L



Manual Integration Results

RT: 3.17
Area: 32782
Amount: 5.234964
Amount Units: ug/L



Reviewer: archern, 16-May-2017 08:54:03
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

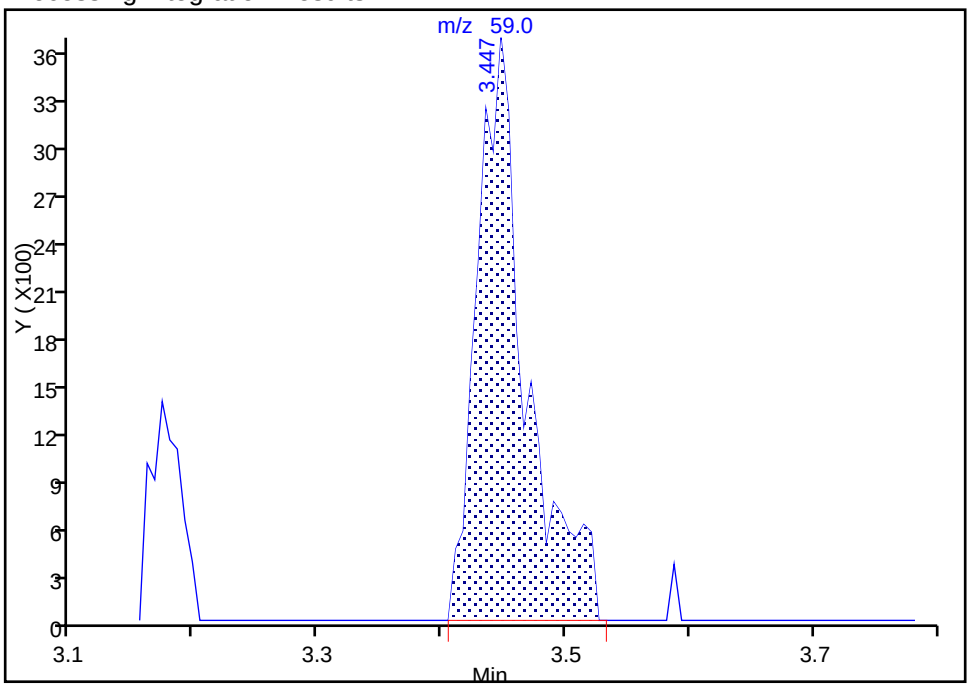
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Injection Date: 15-May-2017 23:22:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: SO ALS Bottle#: 40 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

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

Signal: 1

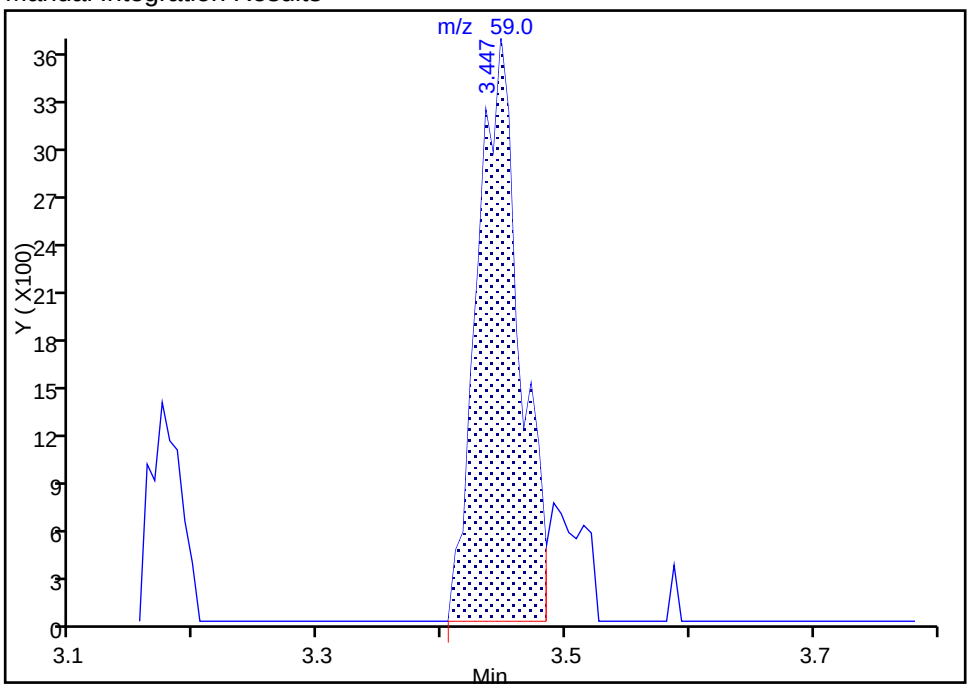
Processing Integration Results

RT: 3.45
Area: 10109
Amount: 10.816012
Amount Units: ug/L



Manual Integration Results

RT: 3.45
Area: 8770
Amount: 10.116687
Amount Units: ug/L



Reviewer: HillL, 16-May-2017 13:21:27
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

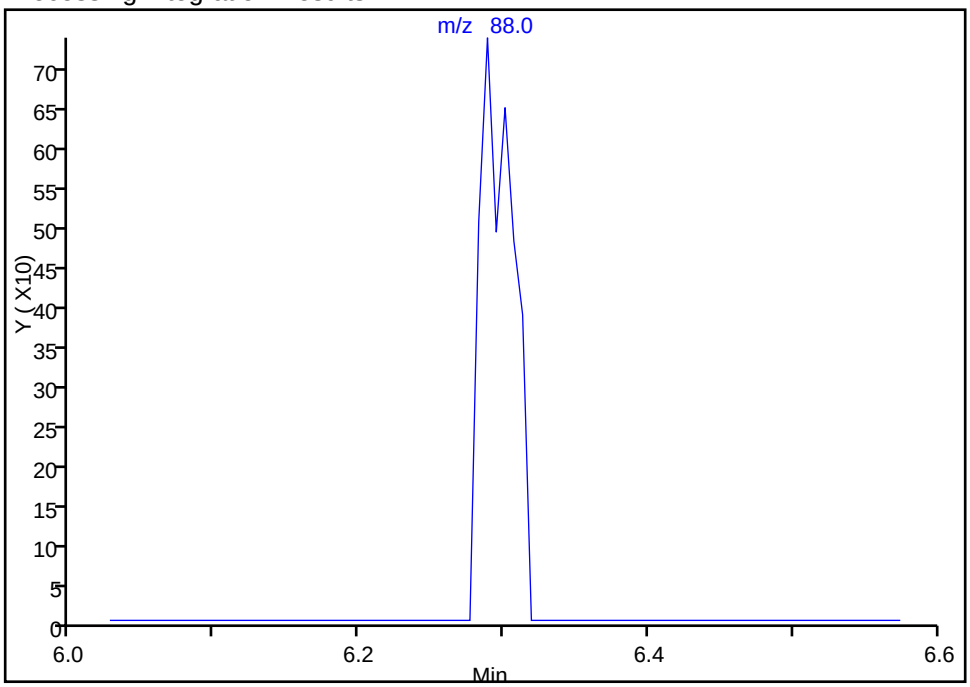
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Injection Date: 15-May-2017 23:22:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: SO ALS Bottle#: 40 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

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

Signal: 1

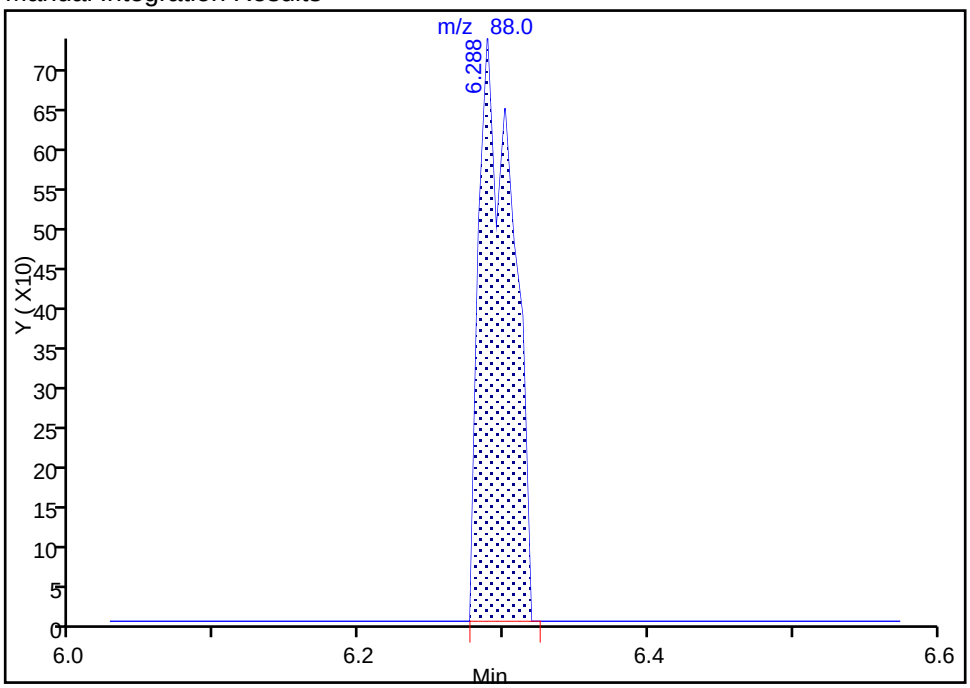
Not Detected
Expected RT: 6.28

Processing Integration Results



Manual Integration Results

RT: 6.29
Area: 1180
Amount: 11.853692
Amount Units: ug/L



Reviewer: archern, 16-May-2017 08:54:35
Audit Action: Manually Integrated Audit Reason: Assign Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20170515-62534.b\S6636.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 15-May-2017 23:45:30 ALS Bottle#: 41 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0062534-006
Operator ID: SO Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20170515-62534.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 16-May-2017 13:45:32 Calib Date: 16-May-2017 05:55:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20170515-62534.b\S6652.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK039

First Level Reviewer: archern Date: 16-May-2017 12:24:12

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	5.553	5.546	0.006	99	169218	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.552	8.551	0.001	84	331891	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.924	10.924	0.000	94	325074	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.956	4.956	0.000	79	206344	25.0	24.8	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.267	5.266	0.001	0	127642	25.0	24.9	
$ 5 Toluene-d8 (Surr)	98	7.067	7.067	0.000	91	824499	25.0	25.2	
$ 6 4-Bromofluorobenzene (Surr	174	9.799	9.799	0.000	91	245644	25.0	24.8	
10 Dichlorodifluoromethane	85	1.318	1.306	0.012	68	16247	2.00	2.15	
12 Chloromethane	50	1.464	1.464	0.000	94	18208	2.00	2.12	
13 Vinyl chloride	62	1.568	1.580	-0.012	52	16071	2.00	1.99	
151 Butadiene	54	1.598	1.598	0.000	88	17507	2.00	2.16	
14 Bromomethane	94	1.890	1.890	0.000	71	8226	2.00	2.15	
15 Chloroethane	64	2.006	2.000	0.006	64	9075	2.00	2.06	
16 Dichlorofluoromethane	67	2.225	2.225	0.000	56	19631	2.00	2.19	
17 Trichlorofluoromethane	101	2.219	2.261	-0.042	40	14134	2.00	1.69	
18 Ethyl ether	59	2.523	2.523	0.000	87	13151	2.00	2.00	
20 Acrolein	56	2.699	2.699	0.000	79	13867	10.0	9.93	
21 1,1,2-Trichloro-1,2,2-trif	101	2.748	2.754	-0.006	57	14723	2.00	2.10	
22 1,1-Dichloroethene	96	2.760	2.760	0.000	89	17445	2.00	2.14	
23 Acetone	43	2.864	2.863	0.001	89	26179	10.0	9.89	
25 Iodomethane	142	2.937	2.930	0.007	80	24919	2.00	2.13	
26 Carbon disulfide	76	2.979	2.985	-0.006	97	38803	2.00	1.99	
28 3-Chloro-1-propene	41	3.125	3.119	0.006	76	19381	2.00	2.05	
27 Methyl acetate	43	3.174	3.168	0.006	95	62523	10.0	9.94	
30 Methylene Chloride	84	3.296	3.295	0.001	74	17861	2.00	2.23	
31 2-Methyl-2-propanol	59	3.442	3.435	0.007	83	17880	20.0	20.5	
32 Methyl tert-butyl ether	73	3.502	3.490	0.012	84	43844	2.00	1.98	
34 trans-1,2-Dichloroethene	96	3.502	3.502	0.000	58	16229	2.00	2.04	
33 Acrylonitrile	53	3.551	3.551	0.000	92	64392	20.0	20.0	
35 Hexane	57	3.709	3.709	0.000	85	26074	2.00	2.20	

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	3.928	3.928	0.000	85	27750	2.00	2.04	
37 Vinyl acetate	43	3.983	3.983	0.000	95	60846	4.00	3.65	
44 2,2-Dichloropropane	77	4.457	4.451	0.006	65	11226	2.00	2.11	
45 cis-1,2-Dichloroethene	96	4.488	4.488	0.000	74	17881	2.00	1.96	
43 2-Butanone (MEK)	43	4.530	4.518	0.012	96	42877	10.0	10.5	
48 Chlorobromomethane	128	4.725	4.725	0.000	71	8796	2.00	2.02	
49 Tetrahydrofuran	42	4.762	4.749	0.013	77	11986	4.00	4.25	
50 Chloroform	83	4.798	4.798	0.000	88	28310	2.00	2.07	
51 1,1,1-Trichloroethane	97	4.932	4.920	0.012	51	16313	2.00	1.97	
52 Cyclohexane	56	4.938	4.938	0.000	51	27218	2.00	2.10	
55 Carbon tetrachloride	117	5.066	5.060	0.006	69	14637	2.00	1.94	
54 1,1-Dichloropropene	75	5.072	5.078	-0.006	83	20887	2.00	2.05	
53 Isobutyl alcohol	43	5.285	5.279	0.006	41	19051	50.0	48.8	
57 Benzene	78	5.279	5.279	0.000	58	63348	2.00	2.04	
58 1,2-Dichloroethane	62	5.340	5.339	0.001	35	22223	2.00	2.11	
59 n-Heptane	43	5.467	5.467	0.000	85	26589	2.00	2.27	
62 Trichloroethene	95	5.893	5.893	0.000	87	17130	2.00	2.12	
64 Methylcyclohexane	83	6.021	6.021	0.000	86	27740	2.00	2.13	
65 1,2-Dichloropropane	63	6.130	6.130	0.000	82	16382	2.00	2.09	
67 Dibromomethane	93	6.264	6.264	0.000	71	9471	2.00	1.86	
66 1,4-Dioxane	88	6.295	6.276	0.019	1	3126	40.0	31.7	M
68 Dichlorobromomethane	83	6.416	6.416	0.000	73	15418	2.00	1.73	
69 2-Chloroethyl vinyl ether	63	6.702	6.696	0.006	71	9272	2.00	1.80	
72 cis-1,3-Dichloropropene	75	6.836	6.836	0.000	68	23111	2.00	1.97	
73 4-Methyl-2-pentanone (MIBK	43	6.988	6.982	0.006	96	74327	10.0	9.72	
74 Toluene	92	7.134	7.134	0.000	80	40829	2.00	2.05	
77 trans-1,3-Dichloropropene	75	7.402	7.402	0.000	70	18268	2.00	1.80	
75 Ethyl methacrylate	69	7.451	7.450	0.001	64	16304	2.00	1.76	
79 1,1,2-Trichloroethane	83	7.597	7.596	0.001	81	11119	2.00	2.02	
81 Tetrachloroethene	166	7.670	7.669	0.001	83	16640	2.00	2.00	
82 1,3-Dichloropropane	76	7.761	7.755	0.006	76	25086	2.00	2.09	
80 2-Hexanone	43	7.828	7.821	0.007	95	50705	10.0	9.62	
83 Chlorodibromomethane	129	7.998	7.992	0.006	61	12550	2.00	1.92	
84 Ethylene Dibromide	107	8.095	8.101	-0.006	65	13629	2.00	1.92	
87 Chlorobenzene	112	8.582	8.582	0.000	87	43732	2.00	1.98	
88 Ethylbenzene	91	8.673	8.673	0.000	96	72916	2.00	2.03	
89 1,1,1,2-Tetrachloroethane	131	8.679	8.679	0.000	28	12969	2.00	1.84	
90 m-Xylene & p-Xylene	106	8.795	8.795	0.000	0	29231	2.00	2.01	
91 o-Xylene	106	9.227	9.221	0.006	93	28809	2.00	2.06	
92 Styrene	104	9.251	9.251	0.000	87	44993	2.00	1.93	
95 Bromoform	173	9.495	9.494	0.001	64	6137	2.00	1.97	
94 Isopropylbenzene	105	9.604	9.604	0.000	86	73795	2.00	2.03	
101 Bromobenzene	156	9.951	9.945	0.006	79	18073	2.00	1.87	
97 1,1,2,2-Tetrachloroethane	83	9.987	9.987	0.000	68	17402	2.00	1.99	
100 1,2,3-Trichloropropane	110	10.024	10.024	0.000	34	5768	2.00	1.98	
99 N-Propylbenzene	91	10.030	10.024	0.006	96	80817	2.00	1.95	
98 trans-1,4-Dichloro-2-buten	53	10.042	10.036	0.006	20	5056	2.00	1.98	
103 2-Chlorotoluene	126	10.133	10.127	0.006	93	17444	2.00	1.95	
102 1,3,5-Trimethylbenzene	105	10.206	10.200	0.006	78	60732	2.00	2.00	
105 4-Chlorotoluene	126	10.243	10.237	0.006	70	19027	2.00	2.04	
106 tert-Butylbenzene	134	10.517	10.523	-0.006	85	14983	2.00	2.03	
107 1,2,4-Trimethylbenzene	105	10.571	10.571	0.000	72	62885	2.00	2.01	

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	10.730	10.729	0.001	85	79436	2.00	2.00	
110 4-Isopropyltoluene	119	10.863	10.863	0.000	91	67588	2.00	2.02	
111 1,3-Dichlorobenzene	146	10.863	10.863	0.000	68	36007	2.00	2.02	
113 1,4-Dichlorobenzene	146	10.949	10.948	0.001	82	37145	2.00	2.00	
115 n-Butylbenzene	91	11.247	11.247	0.000	94	60622	2.00	1.99	
116 1,2-Dichlorobenzene	146	11.295	11.295	0.000	91	34925	2.00	1.99	
117 1,2-Dibromo-3-Chloropropan	75	12.019	12.019	0.000	32	2309	2.00	1.58	
119 1,2,4-Trichlorobenzene	180	12.695	12.694	0.001	85	25292	2.00	1.85	
120 Hexachlorobutadiene	225	12.810	12.810	0.000	73	12534	2.00	1.96	
121 Naphthalene	128	12.908	12.907	0.001	88	65626	2.00	1.93	
122 1,2,3-Trichlorobenzene	180	13.108	13.108	0.000	92	25129	2.00	2.06	
S 123 Total BTEX	1				0			10.2	
S 124 Xylenes, Total	1				0			4.07	
S 125 1,2-Dichloroethene, Total	1				0			4.01	
S 126 1,3-Dichloropropene, Total	1				0			3.77	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00098	Amount Added:	2.00	Units: uL	
GAS CORP mix_00220	Amount Added:	2.00	Units: uL	
S_8260_IS_00230	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00198	Amount Added:	1.00	Units: uL	Run Reagent

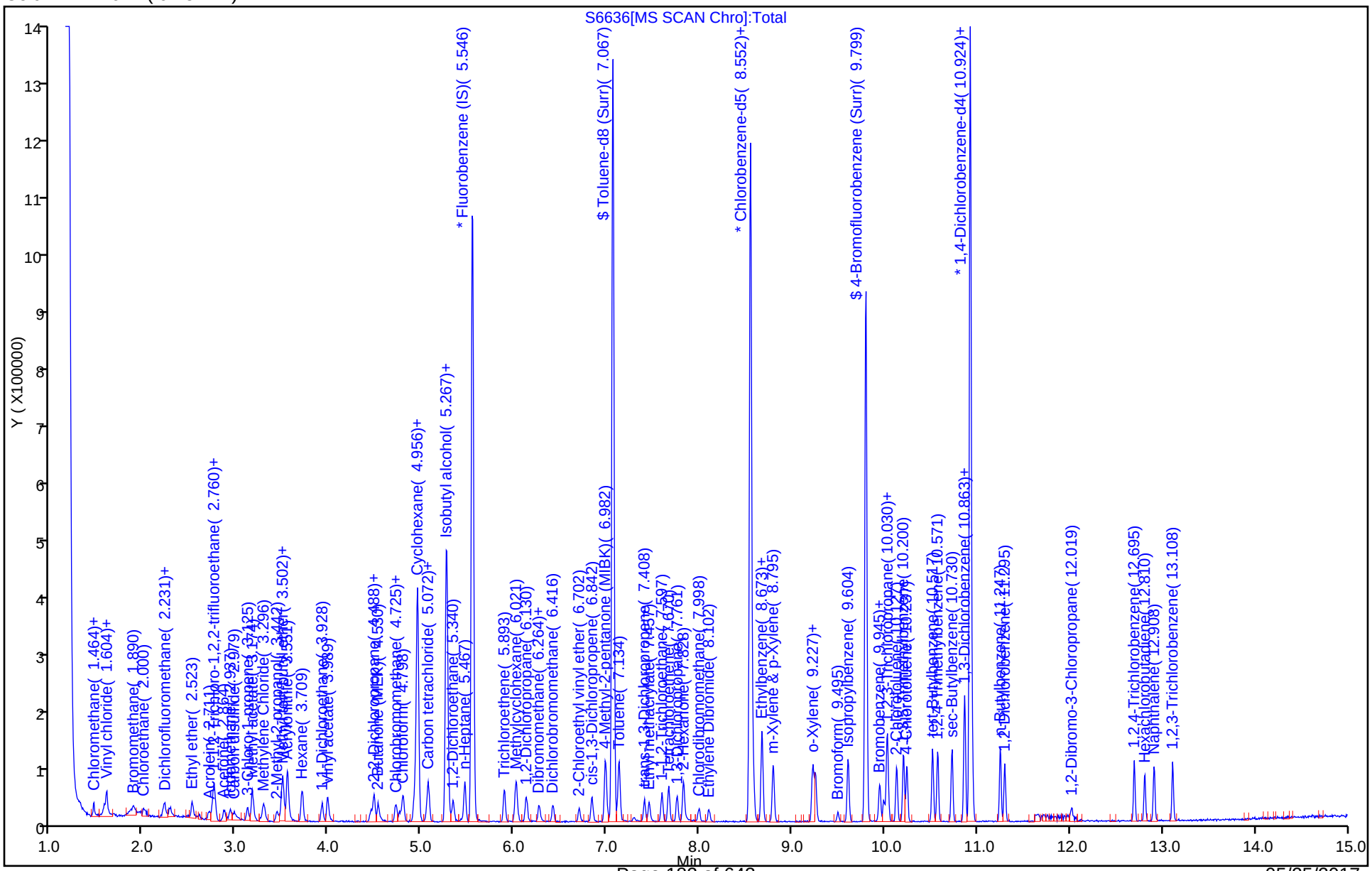
Report Date: 16-May-2017 13:45:33 Chrom Revision: 2.2 11-May-2017 11:43:00

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20170515-62534.b\S6636.D

Injection Date:	15-May-2017 23:45:30	Instrument ID:	HP5973S	Operator ID:	SO
Lims ID:	IC 2			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	41
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

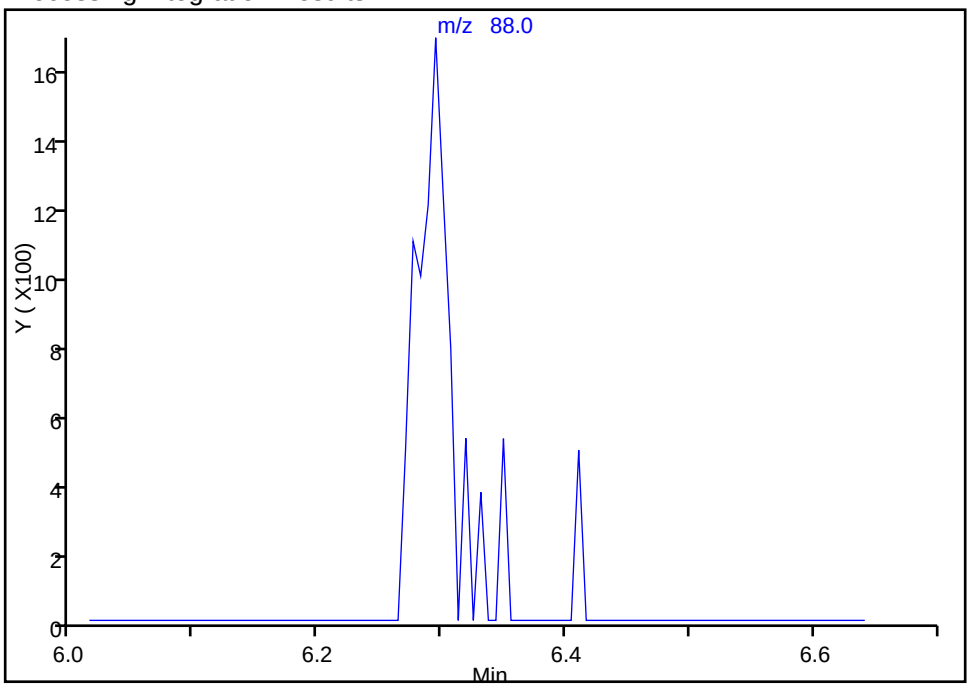
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Injection Date: 15-May-2017 23:45:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: SO ALS Bottle#: 41 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

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

Signal: 1

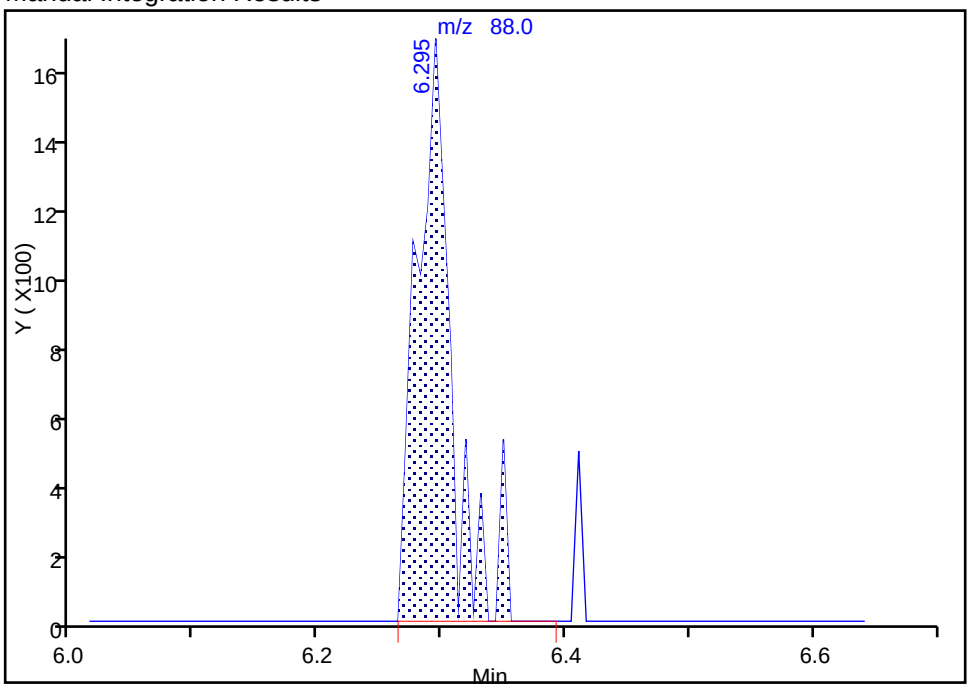
Not Detected
Expected RT: 6.28

Processing Integration Results



Manual Integration Results

RT: 6.29
Area: 3126
Amount: 31.740019
Amount Units: ug/L



Reviewer: archern, 16-May-2017 09:51:01
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

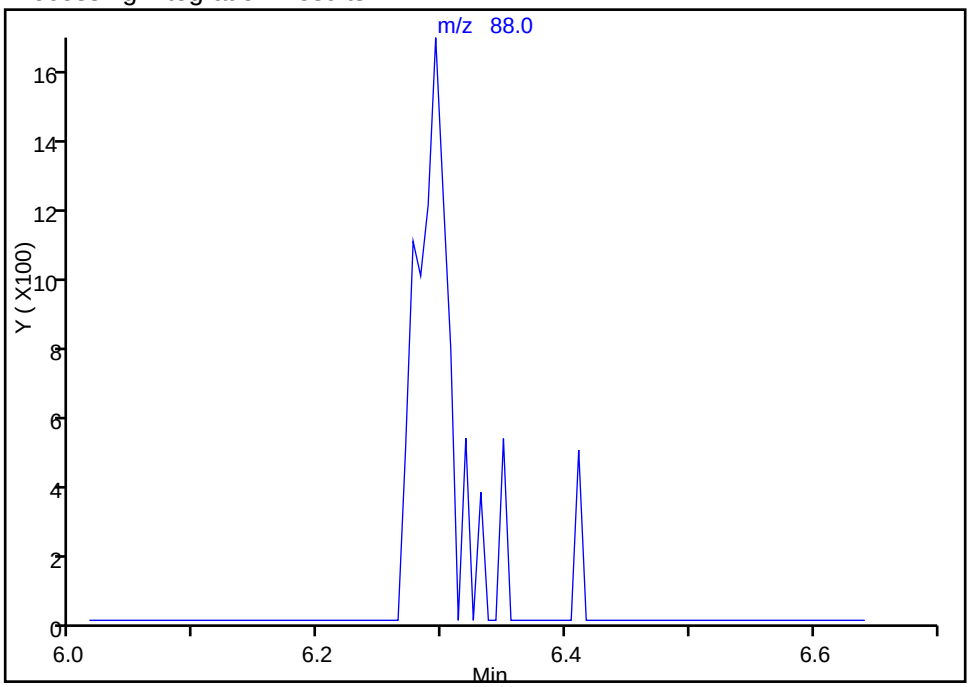
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20170515-62534.b\S6636.D
Injection Date: 15-May-2017 23:45:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: SO ALS Bottle#: 41 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

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

Signal: 1

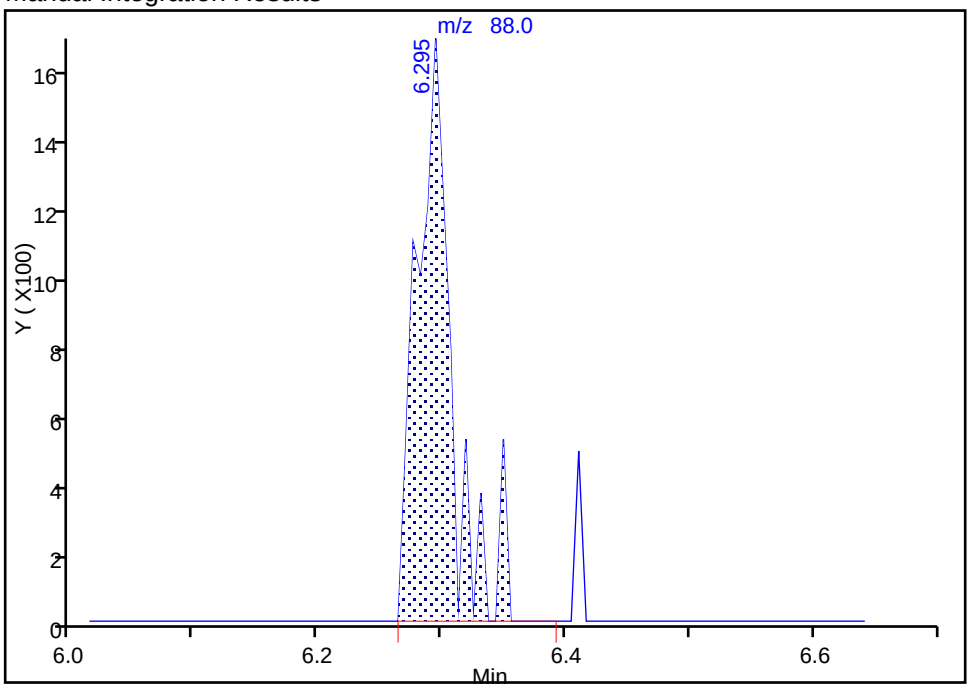
Not Detected
Expected RT: 6.28

Processing Integration Results



Manual Integration Results

RT: 6.29
Area: 3126
Amount: 31.740019
Amount Units: ug/L



Reviewer: HillL, 16-May-2017 13:22:44
Audit Action: Manually Integrated Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20170515-62534.b\S6637.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 16-May-2017 00:08:30 ALS Bottle#: 42 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0062534-007
Operator ID: SO Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20170515-62534.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 16-May-2017 13:45:36 Calib Date: 16-May-2017 05:55:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20170515-62534.b\S6652.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK039

First Level Reviewer: archern Date: 16-May-2017 12:26:41

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	5.546	5.546	0.000	99	167838	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.552	8.552	0.000	84	338235	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.924	10.924	0.000	92	322936	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.956	4.956	0.000	80	207126	25.0	25.1	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.266	5.266	0.000	0	131096	25.0	25.8	
$ 5 Toluene-d8 (Surr)	98	7.067	7.067	0.000	92	838681	25.0	25.2	
$ 6 4-Bromofluorobenzene (Surr	174	9.799	9.799	0.000	90	244427	25.0	24.2	
10 Dichlorodifluoromethane	85	1.306	1.306	0.000	92	36643	5.00	4.88	
12 Chloromethane	50	1.458	1.458	0.000	100	43610	5.00	5.11	
13 Vinyl chloride	62	1.574	1.574	0.000	99	42179	5.00	5.25	
151 Butadiene	54	1.598	1.598	0.000	90	40992	5.00	5.09	
14 Bromomethane	94	1.890	1.890	0.000	88	20700	5.00	5.46	
15 Chloroethane	64	2.000	2.000	0.000	82	20397	5.00	4.66	
16 Dichlorofluoromethane	67	2.225	2.225	0.000	80	47618	5.00	5.36	
17 Trichlorofluoromethane	101	2.267	2.267	0.000	67	41246	5.00	4.98	
18 Ethyl ether	59	2.529	2.529	0.000	90	33069	5.00	5.08	
20 Acrolein	56	2.699	2.699	0.000	89	35048	25.0	25.3	M
21 1,1,2-Trichloro-1,2,2-trif	101	2.754	2.754	0.000	66	32423	5.00	4.67	
22 1,1-Dichloroethene	96	2.760	2.760	0.000	86	39997	5.00	4.94	M
23 Acetone	43	2.870	2.870	0.000	95	64939	25.0	24.7	
25 Iodomethane	142	2.930	2.930	0.000	95	58273	5.00	5.01	
26 Carbon disulfide	76	2.985	2.985	0.000	97	93571	5.00	4.84	
28 3-Chloro-1-propene	41	3.119	3.119	0.000	69	46803	5.00	4.98	
27 Methyl acetate	43	3.168	3.168	0.000	96	156603	25.0	25.1	
30 Methylene Chloride	84	3.295	3.295	0.000	77	42554	5.00	5.36	
31 2-Methyl-2-propanol	59	3.435	3.435	0.000	95	41339	50.0	47.9	M
32 Methyl tert-butyl ether	73	3.490	3.490	0.000	85	111640	5.00	5.09	
34 trans-1,2-Dichloroethene	96	3.502	3.502	0.000	59	38400	5.00	4.88	
33 Acrylonitrile	53	3.551	3.551	0.000	99	172354	50.0	53.9	
35 Hexane	57	3.715	3.715	0.000	90	56160	5.00	4.79	

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	3.922	3.922	0.000	95	67915	5.00	5.03	
37 Vinyl acetate	43	3.983	3.983	0.000	97	163300	10.0	9.88	
44 2,2-Dichloropropane	77	4.451	4.451	0.000	76	26980	5.00	5.11	
45 cis-1,2-Dichloroethene	96	4.488	4.488	0.000	77	46032	5.00	5.09	
43 2-Butanone (MEK)	43	4.524	4.524	0.000	98	99780	25.0	24.7	
48 Chlorobromomethane	128	4.725	4.725	0.000	85	20846	5.00	4.83	
49 Tetrahydrofuran	42	4.755	4.755	0.000	79	26869	10.0	9.62	
50 Chloroform	83	4.798	4.798	0.000	82	64456	5.00	4.76	
51 1,1,1-Trichloroethane	97	4.920	4.920	0.000	86	39682	5.00	4.82	
52 Cyclohexane	56	4.938	4.938	0.000	81	62742	5.00	4.89	
55 Carbon tetrachloride	117	5.060	5.060	0.000	84	36325	5.00	4.85	
54 1,1-Dichloropropene	75	5.072	5.072	0.000	88	49779	5.00	4.93	
57 Benzene	78	5.279	5.279	0.000	86	154935	5.00	5.02	
53 Isobutyl alcohol	43	5.279	5.279	0.000	47	42743	125.0	110.4	
58 1,2-Dichloroethane	62	5.339	5.339	0.000	72	55693	5.00	5.33	
59 n-Heptane	43	5.467	5.467	0.000	89	57778	5.00	4.98	
62 Trichloroethene	95	5.893	5.893	0.000	89	40710	5.00	5.09	
64 Methylcyclohexane	83	6.021	6.021	0.000	88	64070	5.00	4.97	
65 1,2-Dichloropropane	63	6.130	6.130	0.000	83	39751	5.00	5.12	
67 Dibromomethane	93	6.270	6.270	0.000	80	25551	5.00	5.05	
66 1,4-Dioxane	88	6.282	6.282	0.000	75	10596	100.0	105.6	
68 Dichlorobromomethane	83	6.416	6.416	0.000	87	43100	5.00	4.88	
69 2-Chloroethyl vinyl ether	63	6.702	6.702	0.000	85	25127	5.00	4.92	
72 cis-1,3-Dichloropropene	75	6.842	6.842	0.000	84	55355	5.00	4.75	
73 4-Methyl-2-pentanone (MIBK	43	6.982	6.982	0.000	97	193403	25.0	24.8	
74 Toluene	92	7.128	7.128	0.000	87	100779	5.00	4.96	
77 trans-1,3-Dichloropropene	75	7.408	7.408	0.000	93	49575	5.00	4.80	
75 Ethyl methacrylate	69	7.457	7.457	0.000	79	47278	5.00	5.00	
79 1,1,2-Trichloroethane	83	7.596	7.596	0.000	85	28363	5.00	5.06	
81 Tetrachloroethene	166	7.669	7.669	0.000	84	42589	5.00	5.02	
82 1,3-Dichloropropane	76	7.761	7.761	0.000	90	61024	5.00	5.00	
80 2-Hexanone	43	7.828	7.828	0.000	96	132608	25.0	24.7	
83 Chlorodibromomethane	129	7.992	7.992	0.000	81	33096	5.00	4.97	
84 Ethylene Dibromide	107	8.101	8.101	0.000	94	36161	5.00	4.99	
87 Chlorobenzene	112	8.582	8.582	0.000	92	114748	5.00	5.10	
88 Ethylbenzene	91	8.673	8.673	0.000	97	176262	5.00	4.82	
89 1,1,1,2-Tetrachloroethane	131	8.673	8.673	0.000	40	35019	5.00	4.88	
90 m-Xylene & p-Xylene	106	8.795	8.795	0.000	0	70126	5.00	4.72	
91 o-Xylene	106	9.227	9.227	0.000	95	70104	5.00	4.92	
92 Styrene	104	9.251	9.251	0.000	95	115189	5.00	4.84	
95 Bromoform	173	9.495	9.495	0.000	85	20146	5.00	4.81	
94 Isopropylbenzene	105	9.604	9.604	0.000	94	175065	5.00	4.85	
101 Bromobenzene	156	9.951	9.951	0.000	85	49590	5.00	5.16	
97 1,1,2,2-Tetrachloroethane	83	9.993	9.993	0.000	84	42451	5.00	4.90	
99 N-Propylbenzene	91	10.030	10.030	0.000	98	202947	5.00	4.93	
100 1,2,3-Trichloropropane	110	10.024	10.024	0.000	35	14713	5.00	5.08	
98 trans-1,4-Dichloro-2-buten	53	10.036	10.036	0.000	38	12107	5.00	4.77	
103 2-Chlorotoluene	126	10.127	10.127	0.000	95	43428	5.00	4.89	
102 1,3,5-Trimethylbenzene	105	10.200	10.200	0.000	82	152249	5.00	5.05	
105 4-Chlorotoluene	126	10.237	10.237	0.000	80	45174	5.00	4.88	
106 tert-Butylbenzene	134	10.517	10.517	0.000	89	34406	5.00	4.70	
107 1,2,4-Trimethylbenzene	105	10.571	10.571	0.000	25	152709	5.00	4.92	

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	10.723	10.723	0.000	90	193760	5.00	4.91	
111 1,3-Dichlorobenzene	146	10.857	10.857	0.000	83	87654	5.00	4.95	
110 4-Isopropyltoluene	119	10.863	10.863	0.000	95	160327	5.00	4.82	
113 1,4-Dichlorobenzene	146	10.949	10.949	0.000	92	95556	5.00	5.18	
115 n-Butylbenzene	91	11.247	11.247	0.000	96	148623	5.00	4.91	
116 1,2-Dichlorobenzene	146	11.295	11.295	0.000	94	88507	5.00	5.07	
117 1,2-Dibromo-3-Chloropropan	75	12.019	12.019	0.000	47	6669	5.00	4.61	
119 1,2,4-Trichlorobenzene	180	12.695	12.695	0.000	89	65695	5.00	4.83	
120 Hexachlorobutadiene	225	12.810	12.810	0.000	91	28184	5.00	4.44	
121 Naphthalene	128	12.907	12.907	0.000	96	167947	5.00	4.98	
122 1,2,3-Trichlorobenzene	180	13.108	13.108	0.000	92	56588	5.00	4.66	
S 125 1,2-Dichloroethene, Total	1				0			9.97	
S 126 1,3-Dichloropropene, Total	1				0			9.56	
S 123 Total BTEX	1				0			24.4	
S 124 Xylenes, Total	1				0			9.65	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00098	Amount Added:	5.00	Units: uL	
GAS CORP mix_00220	Amount Added:	5.00	Units: uL	
S_8260_IS_00230	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00198	Amount Added:	1.00	Units: uL	Run Reagent

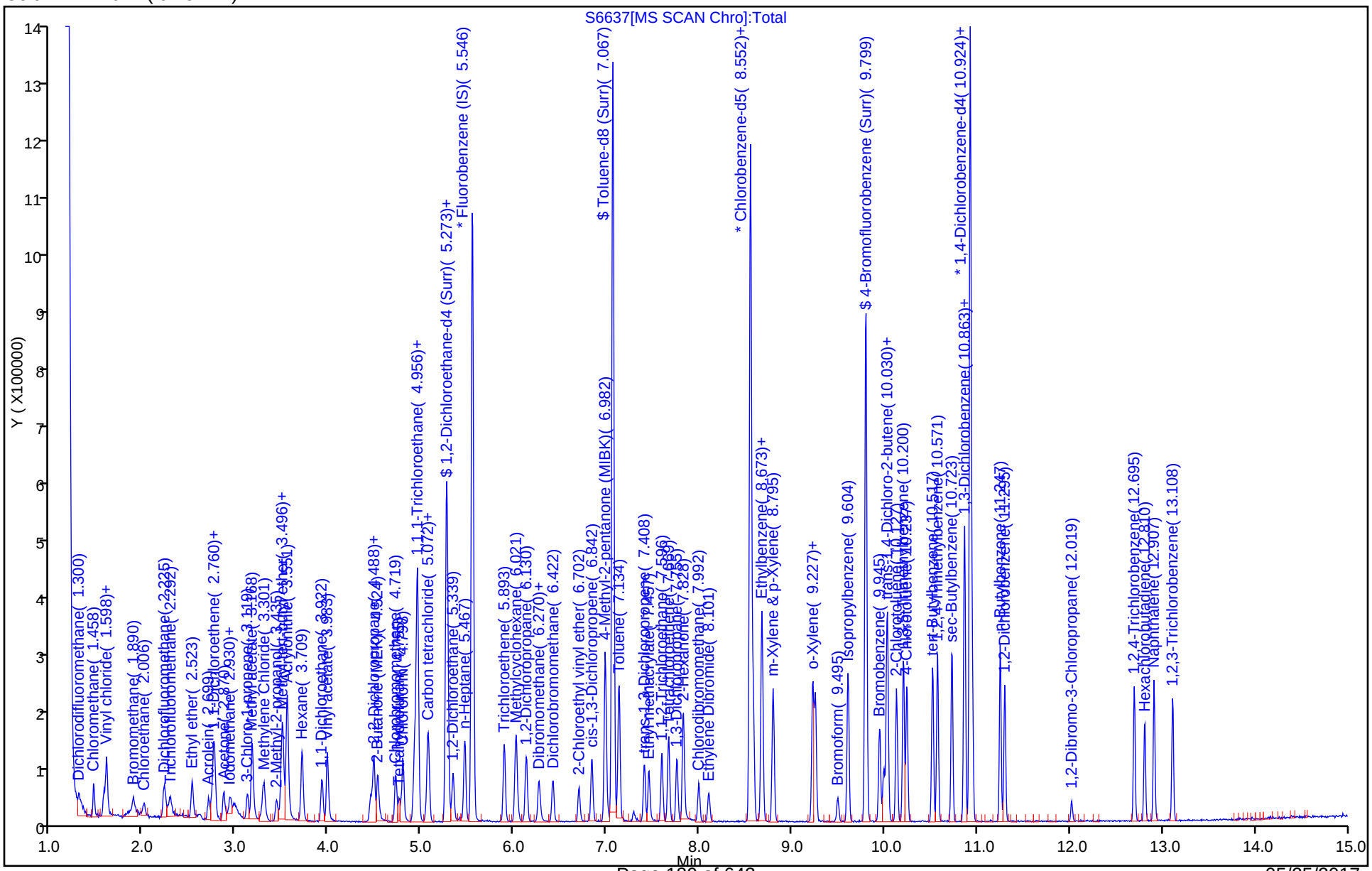
Report Date: 16-May-2017 13:45:39 Chrom Revision: 2.2 11-May-2017 11:43:00

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20170515-62534.b\S6637.D

Injection Date:	16-May-2017 00:08:30	Instrument ID:	HP5973S	Operator ID:	SO
Lims ID:	IC 3			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	42
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

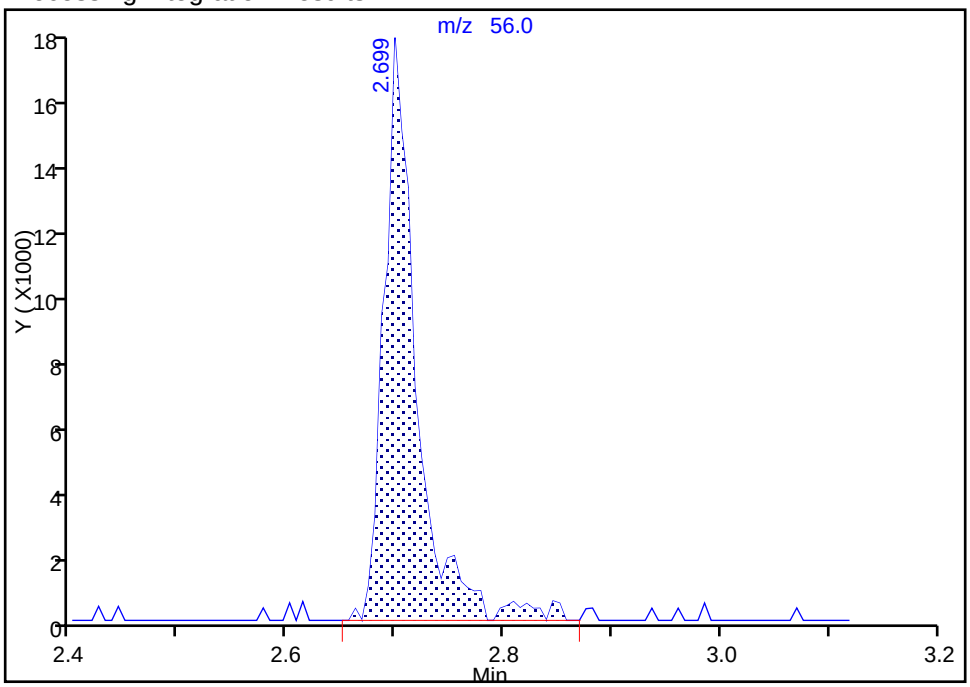
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Injection Date: 16-May-2017 00:08:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: SO ALS Bottle#: 42 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

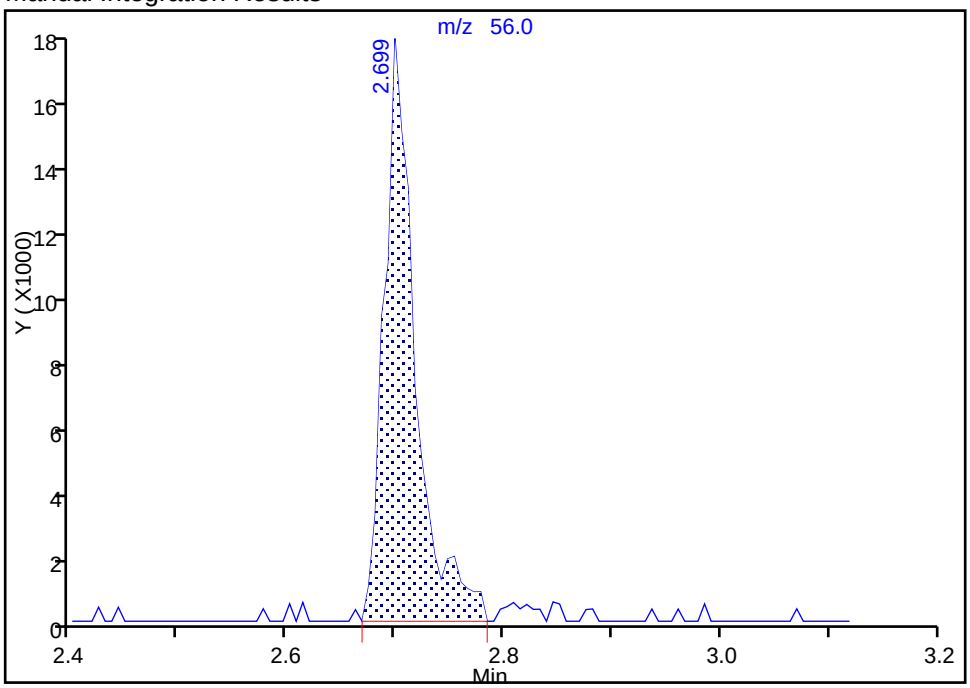
Processing Integration Results

RT: 2.70
Area: 36662
Amount: 25.570477
Amount Units: ug/L



Manual Integration Results

RT: 2.70
Area: 35048
Amount: 25.306106
Amount Units: ug/L



Reviewer: archern, 16-May-2017 09:55:00
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

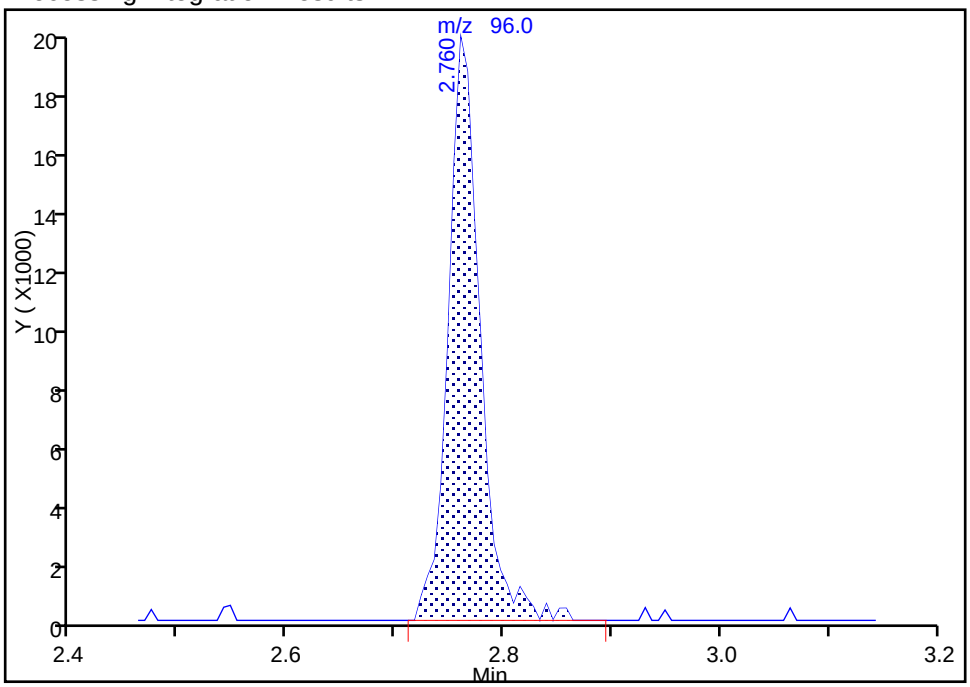
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Injection Date: 16-May-2017 00:08:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: SO ALS Bottle#: 42 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

22 1,1-Dichloroethene, CAS: 75-35-4

Signal: 1

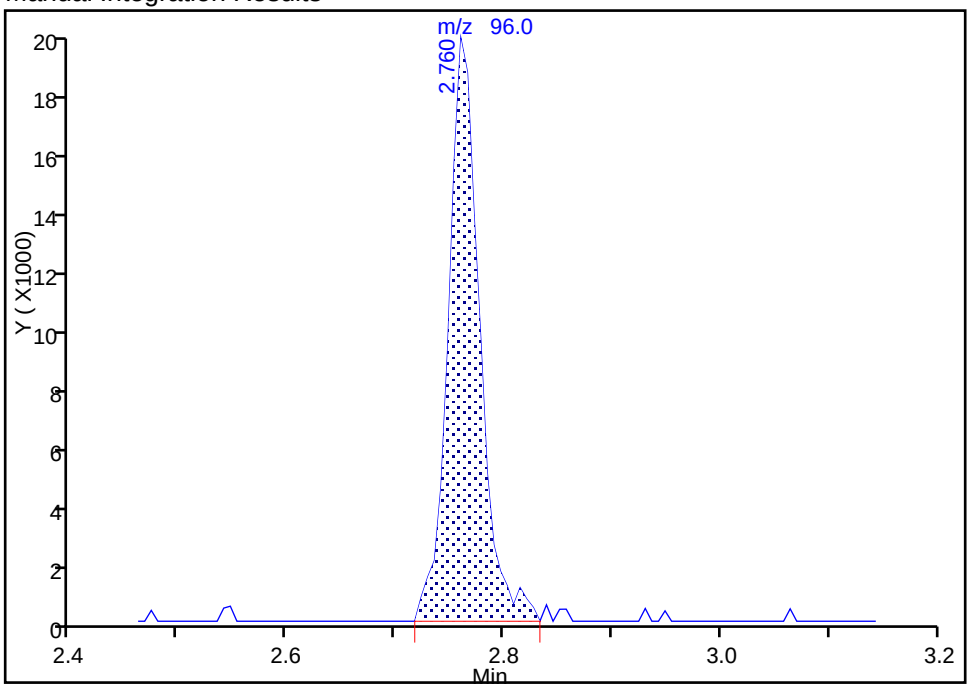
Processing Integration Results

RT: 2.76
Area: 40501
Amount: 4.993513
Amount Units: ug/L



Manual Integration Results

RT: 2.76
Area: 39997
Amount: 4.938288
Amount Units: ug/L



Reviewer: archern, 16-May-2017 09:55:27
Audit Action: Manually Integrated Audit Reason: Baseline

TestAmerica Buffalo

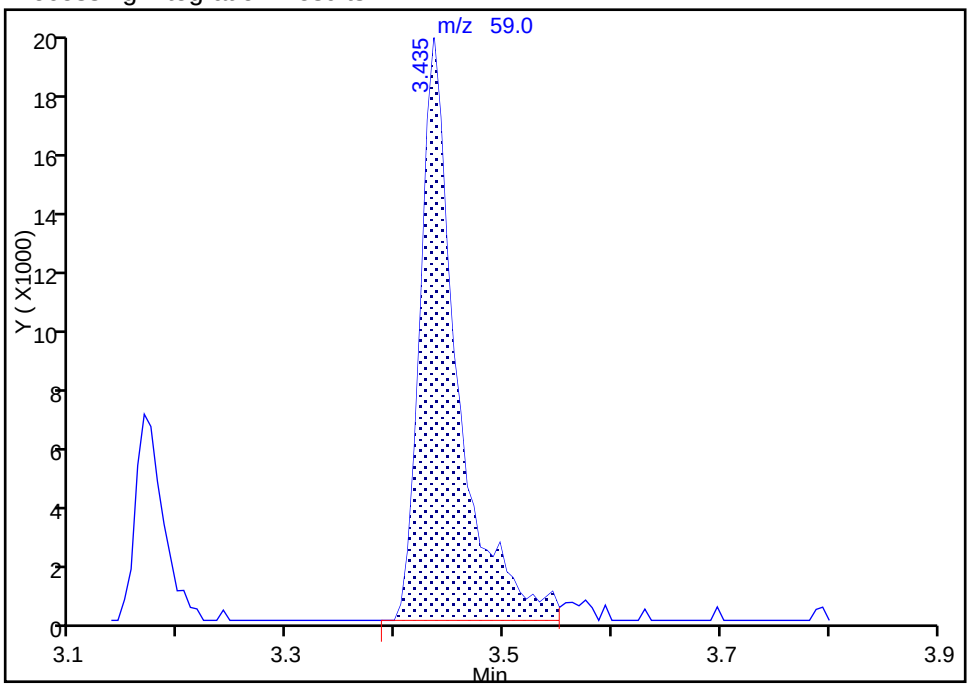
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Injection Date: 16-May-2017 00:08:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: SO ALS Bottle#: 42 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

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

Signal: 1

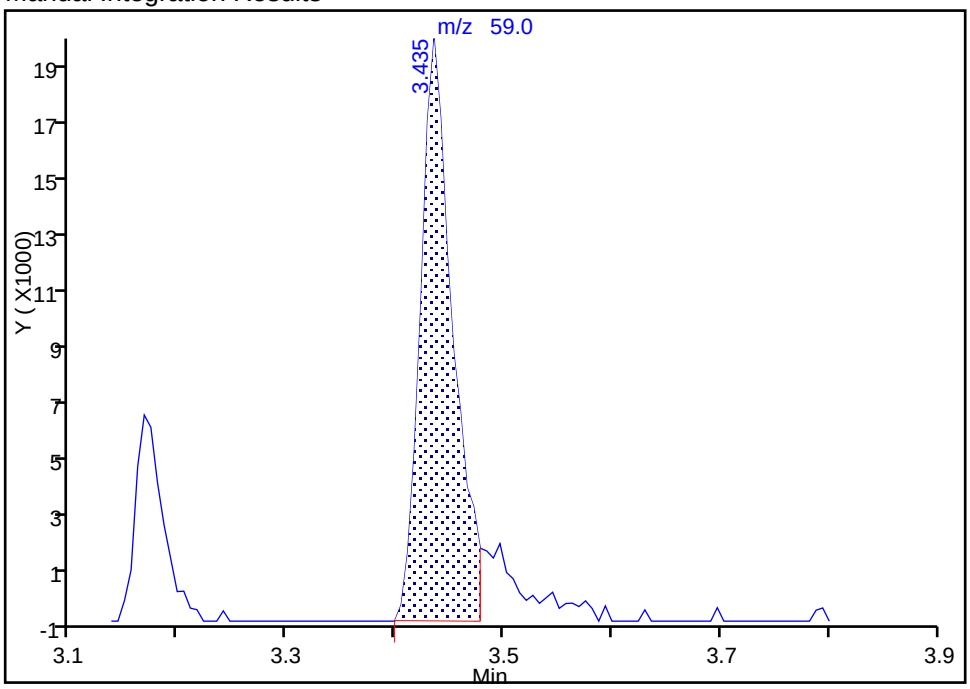
Processing Integration Results

RT: 3.44
Area: 47097
Amount: 51.652207
Amount Units: ug/L



Manual Integration Results

RT: 3.44
Area: 41339
Amount: 47.880062
Amount Units: ug/L



Reviewer: HillL, 16-May-2017 13:23:43
Audit Action: Manually Integrated Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20170515-62534.b\S6638.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 16-May-2017 00:31:30 ALS Bottle#: 43 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 4
Misc. Info.: 480-0062534-008
Operator ID: SO Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20170515-62534.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 16-May-2017 13:45:42 Calib Date: 16-May-2017 05:55:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20170515-62534.b\S6652.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK039

First Level Reviewer: archern Date: 16-May-2017 12:26:46

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	5.546	5.546	0.000	99	168180	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.552	8.552	0.000	85	342771	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.924	10.924	0.000	84	327464	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.956	4.956	0.000	82	208437	25.0	25.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.267	5.266	0.001	0	131398	25.0	25.8	
$ 5 Toluene-d8 (Surr)	98	7.067	7.067	0.000	90	830650	25.0	24.6	
$ 6 4-Bromofluorobenzene (Surr	174	9.799	9.799	0.000	92	253454	25.0	24.7	
10 Dichlorodifluoromethane	85	1.306	1.306	0.000	95	72418	10.0	9.63	
12 Chloromethane	50	1.458	1.458	0.000	99	84400	10.0	9.87	
13 Vinyl chloride	62	1.574	1.574	0.000	99	79279	10.0	9.85	
151 Butadiene	54	1.598	1.598	0.000	91	77629	10.0	9.63	
14 Bromomethane	94	1.884	1.890	-0.006	86	36710	10.0	9.66	
15 Chloroethane	64	2.000	2.000	0.000	95	41636	10.0	9.50	
16 Dichlorofluoromethane	67	2.225	2.225	0.000	97	89478	10.0	10.0	
17 Trichlorofluoromethane	101	2.255	2.267	-0.012	83	78658	10.0	9.48	
18 Ethyl ether	59	2.523	2.529	-0.006	92	65300	10.0	10.0	
20 Acrolein	56	2.699	2.699	0.000	91	63559	50.0	45.8	
21 1,1,2-Trichloro-1,2,2-trif	101	2.754	2.754	0.000	67	61786	10.0	8.88	
22 1,1-Dichloroethene	96	2.760	2.760	0.000	83	74271	10.0	9.15	
23 Acetone	43	2.864	2.870	-0.006	100	134430	50.0	51.1	
25 Iodomethane	142	2.930	2.930	0.000	97	110392	10.0	9.47	
26 Carbon disulfide	76	2.979	2.985	-0.006	97	173312	10.0	8.95	
28 3-Chloro-1-propene	41	3.119	3.119	0.000	81	95516	10.0	10.1	
27 Methyl acetate	43	3.168	3.168	0.000	96	315896	50.0	50.5	
30 Methylene Chloride	84	3.296	3.295	0.001	87	74175	10.0	9.32	
31 2-Methyl-2-propanol	59	3.442	3.435	0.007	95	85946	100.0	99.3	M
32 Methyl tert-butyl ether	73	3.490	3.490	0.000	87	220996	10.0	10.0	
34 trans-1,2-Dichloroethene	96	3.508	3.502	0.006	84	76093	10.0	9.64	
33 Acrylonitrile	53	3.551	3.551	0.000	97	334261	100.0	104.3	
35 Hexane	57	3.709	3.715	-0.006	90	106528	10.0	9.06	

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	3.922	3.922	0.000	96	127881	10.0	9.45	
37 Vinyl acetate	43	3.983	3.983	0.000	97	331868	20.0	20.0	
44 2,2-Dichloropropane	77	4.451	4.451	0.000	90	51680	10.0	9.77	
45 cis-1,2-Dichloroethene	96	4.488	4.488	0.000	79	88612	10.0	9.78	
43 2-Butanone (MEK)	43	4.524	4.524	0.000	94	205287	50.0	50.7	
48 Chlorobromomethane	128	4.725	4.725	0.000	92	44143	10.0	10.2	
49 Tetrahydrofuran	42	4.756	4.755	0.001	83	54150	20.0	19.3	
50 Chloroform	83	4.798	4.798	0.000	83	129175	10.0	9.52	
51 1,1,1-Trichloroethane	97	4.926	4.920	0.006	92	79091	10.0	9.59	
52 Cyclohexane	56	4.932	4.938	-0.006	91	116072	10.0	9.03	
55 Carbon tetrachloride	117	5.060	5.060	0.000	88	67957	10.0	9.06	
54 1,1-Dichloropropene	75	5.078	5.072	0.006	94	96119	10.0	9.51	
53 Isobutyl alcohol	43	5.279	5.279	0.000	50	94747	250.0	244.2	
57 Benzene	78	5.279	5.279	0.000	94	308433	10.0	9.98	
58 1,2-Dichloroethane	62	5.340	5.339	0.001	55	100862	10.0	9.63	
59 n-Heptane	43	5.467	5.467	0.000	92	101404	10.0	8.71	
62 Trichloroethene	95	5.893	5.893	0.000	94	76435	10.0	9.54	
64 Methylcyclohexane	83	6.021	6.021	0.000	89	114795	10.0	8.88	
65 1,2-Dichloropropane	63	6.130	6.130	0.000	91	74792	10.0	9.61	
67 Dibromomethane	93	6.264	6.270	-0.006	87	51282	10.0	10.1	
66 1,4-Dioxane	88	6.289	6.282	0.007	80	20771	200.0	204.2	M
68 Dichlorobromomethane	83	6.416	6.416	0.000	95	85753	10.0	9.69	
69 2-Chloroethyl vinyl ether	63	6.702	6.702	0.000	92	51360	10.0	10.0	
72 cis-1,3-Dichloropropene	75	6.836	6.842	-0.006	88	112775	10.0	9.67	
73 4-Methyl-2-pentanone (MIBK	43	6.982	6.982	0.000	97	400366	50.0	50.7	
74 Toluene	92	7.134	7.128	0.006	92	197319	10.0	9.58	
77 trans-1,3-Dichloropropene	75	7.402	7.408	-0.006	97	99438	10.0	9.51	
75 Ethyl methacrylate	69	7.457	7.457	0.000	60	91758	10.0	9.58	
79 1,1,2-Trichloroethane	83	7.591	7.596	-0.006	93	57301	10.0	10.1	
81 Tetrachloroethene	166	7.670	7.669	0.001	92	79390	10.0	9.24	
82 1,3-Dichloropropane	76	7.755	7.761	-0.006	92	121417	10.0	9.81	
80 2-Hexanone	43	7.822	7.828	-0.006	80	273676	50.0	50.3	
83 Chlorodibromomethane	129	7.992	7.992	0.000	89	67530	10.0	10.0	
84 Ethylene Dibromide	107	8.102	8.101	0.001	95	73982	10.0	10.1	
87 Chlorobenzene	112	8.582	8.582	0.000	93	219266	10.0	9.61	
88 Ethylbenzene	91	8.673	8.673	0.000	97	342441	10.0	9.23	
89 1,1,1,2-Tetrachloroethane	131	8.679	8.673	0.006	46	70353	10.0	9.68	
90 m-Xylene & p-Xylene	106	8.795	8.795	0.000	0	140042	10.0	9.31	
91 o-Xylene	106	9.227	9.227	0.000	96	138405	10.0	9.59	
92 Styrene	104	9.251	9.251	0.000	96	236856	10.0	9.83	
95 Bromoform	173	9.495	9.495	0.000	94	39911	10.0	8.74	
94 Isopropylbenzene	105	9.604	9.604	0.000	95	353405	10.0	9.66	
101 Bromobenzene	156	9.945	9.951	-0.006	94	96445	10.0	9.89	
97 1,1,2,2-Tetrachloroethane	83	9.987	9.993	-0.006	88	87635	10.0	9.97	
100 1,2,3-Trichloropropane	110	10.024	10.024	0.000	50	29272	10.0	9.96	
99 N-Propylbenzene	91	10.024	10.030	-0.006	98	401192	10.0	9.62	
98 trans-1,4-Dichloro-2-buten	53	10.036	10.036	0.000	37	24955	10.0	9.69	
103 2-Chlorotoluene	126	10.127	10.127	0.000	96	83688	10.0	9.29	
102 1,3,5-Trimethylbenzene	105	10.206	10.200	0.006	81	286241	10.0	9.37	
105 4-Chlorotoluene	126	10.243	10.237	0.006	96	90545	10.0	9.65	
106 tert-Butylbenzene	134	10.517	10.517	0.000	91	68113	10.0	9.18	
107 1,2,4-Trimethylbenzene	105	10.571	10.571	0.000	76	308915	10.0	9.81	

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	10.730	10.723	0.007	92	382449	10.0	9.56	
110 4-Isopropyltoluene	119	10.863	10.863	0.000	97	317896	10.0	9.43	
111 1,3-Dichlorobenzene	146	10.863	10.857	0.006	72	178688	10.0	9.95	
113 1,4-Dichlorobenzene	146	10.949	10.949	0.000	94	180049	10.0	9.63	
115 n-Butylbenzene	91	11.247	11.247	0.000	94	293934	10.0	9.57	
116 1,2-Dichlorobenzene	146	11.295	11.295	0.000	91	173072	10.0	9.77	
117 1,2-Dibromo-3-Chloropropan	75	12.019	12.019	0.000	68	14476	10.0	9.86	
119 1,2,4-Trichlorobenzene	180	12.695	12.695	0.001	94	133987	10.0	9.72	
120 Hexachlorobutadiene	225	12.810	12.810	0.000	94	58083	10.0	9.02	
121 Naphthalene	128	12.908	12.907	0.001	97	339984	10.0	9.93	
122 1,2,3-Trichlorobenzene	180	13.108	13.108	0.000	95	123852	10.0	10.1	
S 123 Total BTEX	1				0			47.7	
S 124 Xylenes, Total	1				0			18.9	
S 125 1,2-Dichloroethene, Total	1				0			19.4	
S 126 1,3-Dichloropropene, Total	1				0			19.2	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00098	Amount Added:	5.00	Units: uL	
GAS CORP mix_00220	Amount Added:	5.00	Units: uL	
S_8260_IS_00230	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00198	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 16-May-2017 13:45:44 Chrom Revision: 2.2 11-May-2017 11:43:00

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20170515-62534.b\S6638.D

Injection Date: 16-May-2017 00:31:30 Instrument ID: HP5973S Operator ID: SO

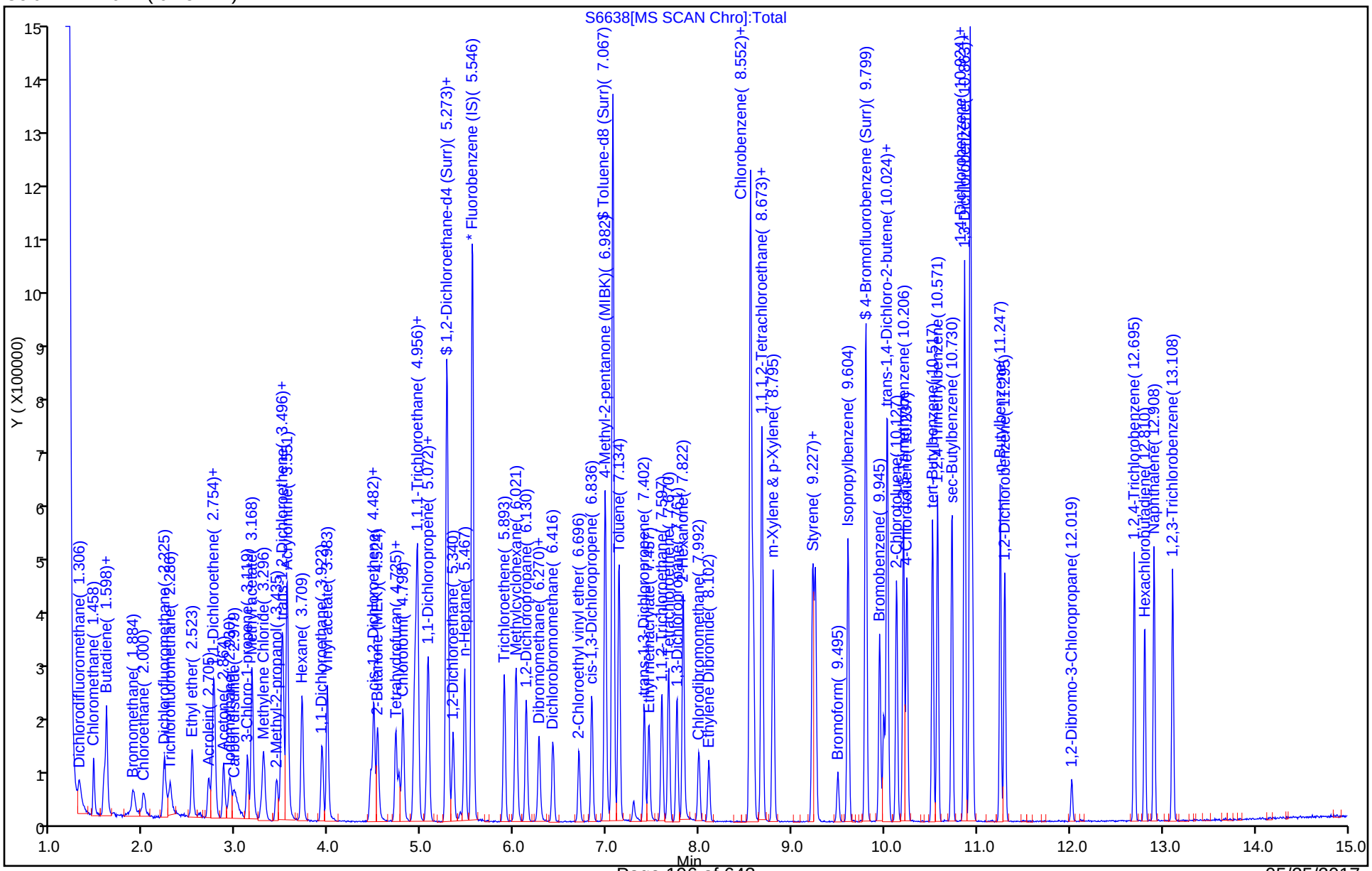
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Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 43

Method: S-8260 Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

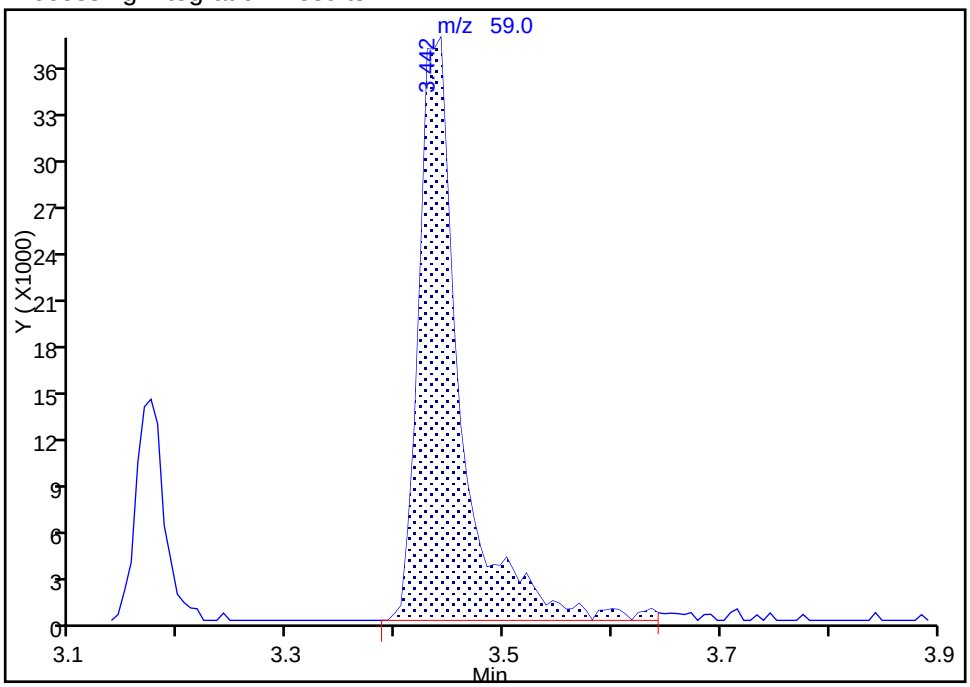
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Lims ID: IC 4
Client ID:
Operator ID: SO ALS Bottle#: 43 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

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

Signal: 1

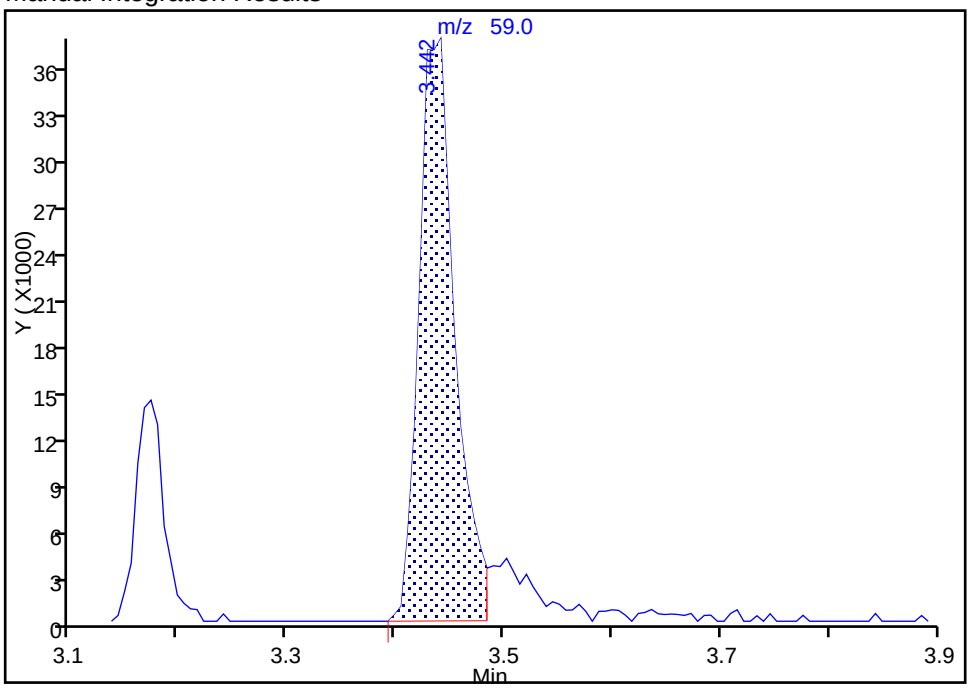
Processing Integration Results

RT: 3.44
Area: 98897
Amount: 110.2306
Amount Units: ug/L



Manual Integration Results

RT: 3.44
Area: 85946
Amount: 99.342791
Amount Units: ug/L



Reviewer: HillL, 16-May-2017 13:24:51
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

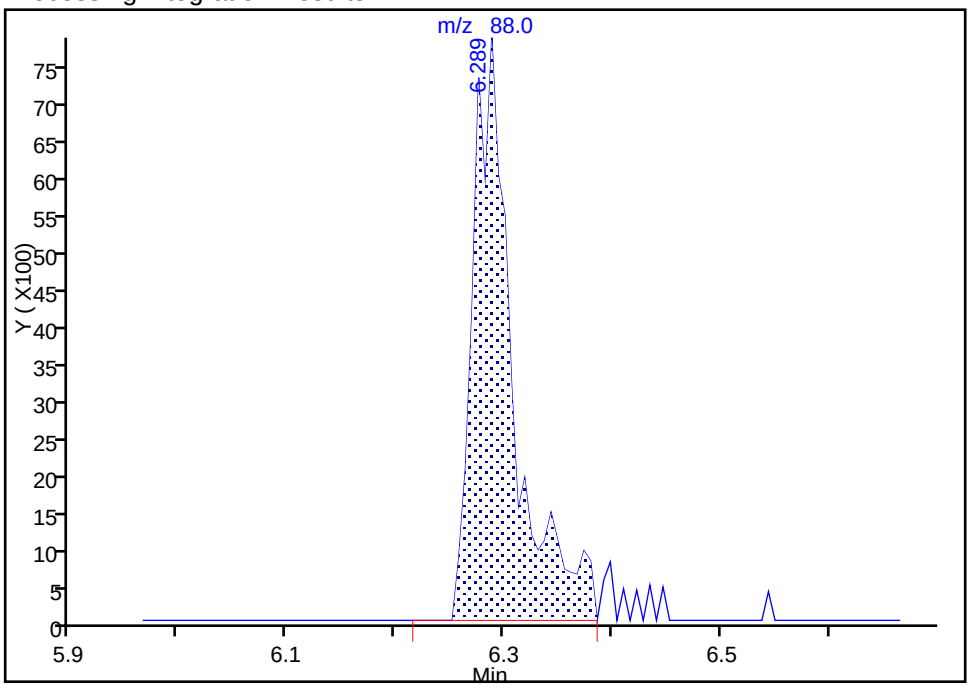
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Injection Date: 16-May-2017 00:31:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: SO ALS Bottle#: 43 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

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

Signal: 1

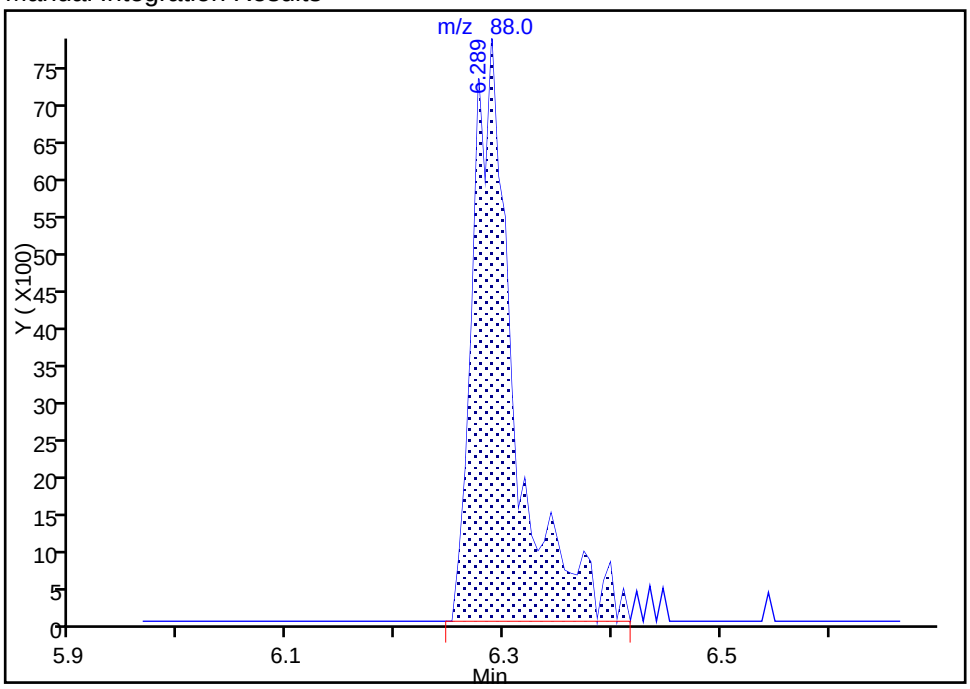
Processing Integration Results

RT: 6.29
Area: 20133
Amount: 198.9730
Amount Units: ug/L



Manual Integration Results

RT: 6.29
Area: 20771
Amount: 204.2053
Amount Units: ug/L



Reviewer: HillL, 16-May-2017 13:25:19
Audit Action: Manually Integrated Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20170515-62534.b\S6639.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 16-May-2017 00:54:30 ALS Bottle#: 44 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 5
Misc. Info.: 480-0062534-009
Operator ID: SO Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20170515-62534.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 16-May-2017 13:45:46 Calib Date: 16-May-2017 05:55:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20170515-62534.b\S6652.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK039

First Level Reviewer: archern Date: 16-May-2017 12:26:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.546	5.546	0.000	99	170985	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.552	8.552	0.000	85	343914	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.924	10.924	0.000	56	337069	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.956	4.956	0.000	81	210740	25.0	25.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.266	5.266	0.000	0	127469	25.0	24.6	
$ 5 Toluene-d8 (Surr)	98	7.067	7.067	0.000	91	847215	25.0	25.0	
$ 6 4-Bromofluorobenzene (Surr	174	9.799	9.799	0.000	91	255787	25.0	24.9	
10 Dichlorodifluoromethane	85	1.306	1.306	0.000	96	190549	25.0	24.9	
12 Chloromethane	50	1.464	1.464	0.000	88	209350	25.0	24.1	
13 Vinyl chloride	62	1.580	1.580	0.000	99	200819	25.0	24.6	
151 Butadiene	54	1.598	1.598	0.000	92	197337	25.0	24.1	
14 Bromomethane	94	1.890	1.890	0.000	93	85026	25.0	22.0	
15 Chloroethane	64	2.000	2.000	0.000	97	109342	25.0	24.5	
16 Dichlorofluoromethane	67	2.225	2.225	0.000	82	223351	25.0	24.7	
17 Trichlorofluoromethane	101	2.261	2.261	0.000	85	228263	25.0	27.1	
18 Ethyl ether	59	2.523	2.523	0.000	91	167689	25.0	25.3	
20 Acrolein	56	2.699	2.699	0.000	92	171097	125.0	121.3	
21 1,1,2-Trichloro-1,2,2-trif	101	2.754	2.754	0.000	75	197119	25.0	27.9	
22 1,1-Dichloroethene	96	2.760	2.760	0.000	96	207614	25.0	25.2	
23 Acetone	43	2.863	2.863	0.000	100	328433	125.0	122.8	
25 Iodomethane	142	2.930	2.930	0.000	97	303986	25.0	25.7	
26 Carbon disulfide	76	2.985	2.985	0.000	99	494320	25.0	25.1	
28 3-Chloro-1-propene	41	3.119	3.119	0.000	79	235720	25.0	24.6	
27 Methyl acetate	43	3.168	3.168	0.000	96	797668	125.0	125.5	
30 Methylene Chloride	84	3.295	3.295	0.000	89	198034	25.0	24.5	
31 2-Methyl-2-propanol	59	3.435	3.435	0.000	96	222228	250.0	252.7	
32 Methyl tert-butyl ether	73	3.490	3.490	0.000	88	565402	25.0	25.3	
34 trans-1,2-Dichloroethene	96	3.502	3.502	0.000	73	209907	25.0	26.2	
33 Acrylonitrile	53	3.551	3.551	0.000	97	853178	250.0	261.8	
35 Hexane	57	3.709	3.709	0.000	91	319223	25.0	26.7	

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	3.928	3.928	0.000	98	352329	25.0	25.6	
37 Vinyl acetate	43	3.983	3.983	0.000	97	895586	50.0	53.2	
44 2,2-Dichloropropane	77	4.451	4.451	0.000	91	135512	25.0	25.2	
45 cis-1,2-Dichloroethene	96	4.488	4.488	0.000	78	235453	25.0	25.6	
43 2-Butanone (MEK)	43	4.518	4.518	0.000	94	512671	125.0	124.5	
48 Chlorobromomethane	128	4.725	4.725	0.000	94	110837	25.0	25.2	
49 Tetrahydrofuran	42	4.749	4.749	0.000	86	132611	50.0	46.6	
50 Chloroform	83	4.798	4.798	0.000	84	347553	25.0	25.2	
51 1,1,1-Trichloroethane	97	4.920	4.920	0.000	96	227423	25.0	27.1	
52 Cyclohexane	56	4.938	4.938	0.000	91	348320	25.0	26.6	
55 Carbon tetrachloride	117	5.060	5.060	0.000	88	205516	25.0	26.9	
54 1,1-Dichloropropene	75	5.078	5.078	0.000	91	264851	25.0	25.8	
57 Benzene	78	5.279	5.279	0.000	96	806900	25.0	25.7	
53 Isobutyl alcohol	43	5.279	5.279	0.000	54	252555	625.0	640.2	
58 1,2-Dichloroethane	62	5.339	5.339	0.000	78	268129	25.0	25.2	
59 n-Heptane	43	5.467	5.467	0.000	92	302418	25.0	25.6	
62 Trichloroethene	95	5.893	5.893	0.000	95	210682	25.0	25.9	
64 Methylcyclohexane	83	6.021	6.021	0.000	91	352790	25.0	26.8	
65 1,2-Dichloropropane	63	6.130	6.130	0.000	93	205576	25.0	26.0	
67 Dibromomethane	93	6.264	6.264	0.000	89	131125	25.0	25.4	
66 1,4-Dioxane	88	6.276	6.276	0.000	50	52072	500.0	510.2	
68 Dichlorobromomethane	83	6.416	6.416	0.000	95	232786	25.0	25.9	
69 2-Chloroethyl vinyl ether	63	6.696	6.696	0.000	93	136773	25.0	26.3	
72 cis-1,3-Dichloropropene	75	6.836	6.836	0.000	89	315164	25.0	26.6	
73 4-Methyl-2-pentanone (MIBK	43	6.982	6.982	0.000	96	1026983	125.0	129.5	
74 Toluene	92	7.134	7.134	0.000	93	530820	25.0	25.7	
77 trans-1,3-Dichloropropene	75	7.402	7.402	0.000	96	275802	25.0	26.3	
75 Ethyl methacrylate	69	7.450	7.450	0.000	69	247574	25.0	25.8	
79 1,1,2-Trichloroethane	83	7.596	7.596	0.000	91	147956	25.0	26.0	
81 Tetrachloroethene	166	7.669	7.669	0.000	93	229774	25.0	26.7	
82 1,3-Dichloropropane	76	7.755	7.755	0.000	93	310401	25.0	25.0	
80 2-Hexanone	43	7.821	7.821	0.000	96	713005	125.0	130.5	
83 Chlorodibromomethane	129	7.992	7.992	0.000	88	189036	25.0	27.9	
84 Ethylene Dibromide	107	8.101	8.101	0.000	99	189676	25.0	25.7	
87 Chlorobenzene	112	8.582	8.582	0.000	93	585757	25.0	25.6	
89 1,1,1,2-Tetrachloroethane	131	8.679	8.679	0.000	46	195354	25.0	26.8	
88 Ethylbenzene	91	8.673	8.673	0.000	98	952228	25.0	25.6	
90 m-Xylene & p-Xylene	106	8.795	8.795	0.000	0	386973	25.0	25.6	
91 o-Xylene	106	9.221	9.221	0.000	96	374903	25.0	25.9	
92 Styrene	104	9.251	9.251	0.000	93	630587	25.0	26.1	
95 Bromoform	173	9.494	9.494	0.000	93	113876	25.0	23.6	
94 Isopropylbenzene	105	9.604	9.604	0.000	95	962771	25.0	25.6	
101 Bromobenzene	156	9.945	9.945	0.000	92	254532	25.0	25.4	
97 1,1,2,2-Tetrachloroethane	83	9.987	9.987	0.000	87	229789	25.0	25.4	
100 1,2,3-Trichloropropane	110	10.024	10.024	0.000	49	76082	25.0	25.1	
99 N-Propylbenzene	91	10.024	10.024	0.000	98	1110883	25.0	25.9	
98 trans-1,4-Dichloro-2-buten	53	10.036	10.036	0.000	38	69635	25.0	26.3	
103 2-Chlorotoluene	126	10.127	10.127	0.000	96	237292	25.0	25.6	
102 1,3,5-Trimethylbenzene	105	10.200	10.200	0.000	85	802116	25.0	25.5	
105 4-Chlorotoluene	126	10.237	10.237	0.000	80	241463	25.0	25.0	
106 tert-Butylbenzene	134	10.523	10.523	0.000	91	195082	25.0	25.6	
107 1,2,4-Trimethylbenzene	105	10.571	10.571	0.000	76	825444	25.0	25.5	

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	10.729	10.729	0.000	94	1066693	25.0	25.9	
111 1,3-Dichlorobenzene	146	10.863	10.863	0.000	71	470815	25.0	25.5	
110 4-Isopropyltoluene	119	10.863	10.863	0.000	96	892860	25.0	25.7	
113 1,4-Dichlorobenzene	146	10.948	10.948	0.000	95	478552	25.0	24.9	
115 n-Butylbenzene	91	11.247	11.247	0.000	95	826520	25.0	26.1	
116 1,2-Dichlorobenzene	146	11.295	11.295	0.000	93	460860	25.0	25.3	
117 1,2-Dibromo-3-Chloropropan	75	12.019	12.019	0.000	74	39639	25.0	26.2	
119 1,2,4-Trichlorobenzene	180	12.694	12.694	0.000	91	355276	25.0	25.0	
120 Hexachlorobutadiene	225	12.810	12.810	0.000	94	164511	25.0	24.8	
121 Naphthalene	128	12.907	12.907	0.000	97	901939	25.0	25.6	
122 1,2,3-Trichlorobenzene	180	13.108	13.108	0.000	95	325116	25.0	25.7	

Reagents:

8260 CORP mix_00098	Amount Added: 12.50	Units: uL	
GAS CORP mix_00220	Amount Added: 12.50	Units: uL	
S_8260_IS_00230	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00198	Amount Added: 1.00	Units: uL	Run Reagent

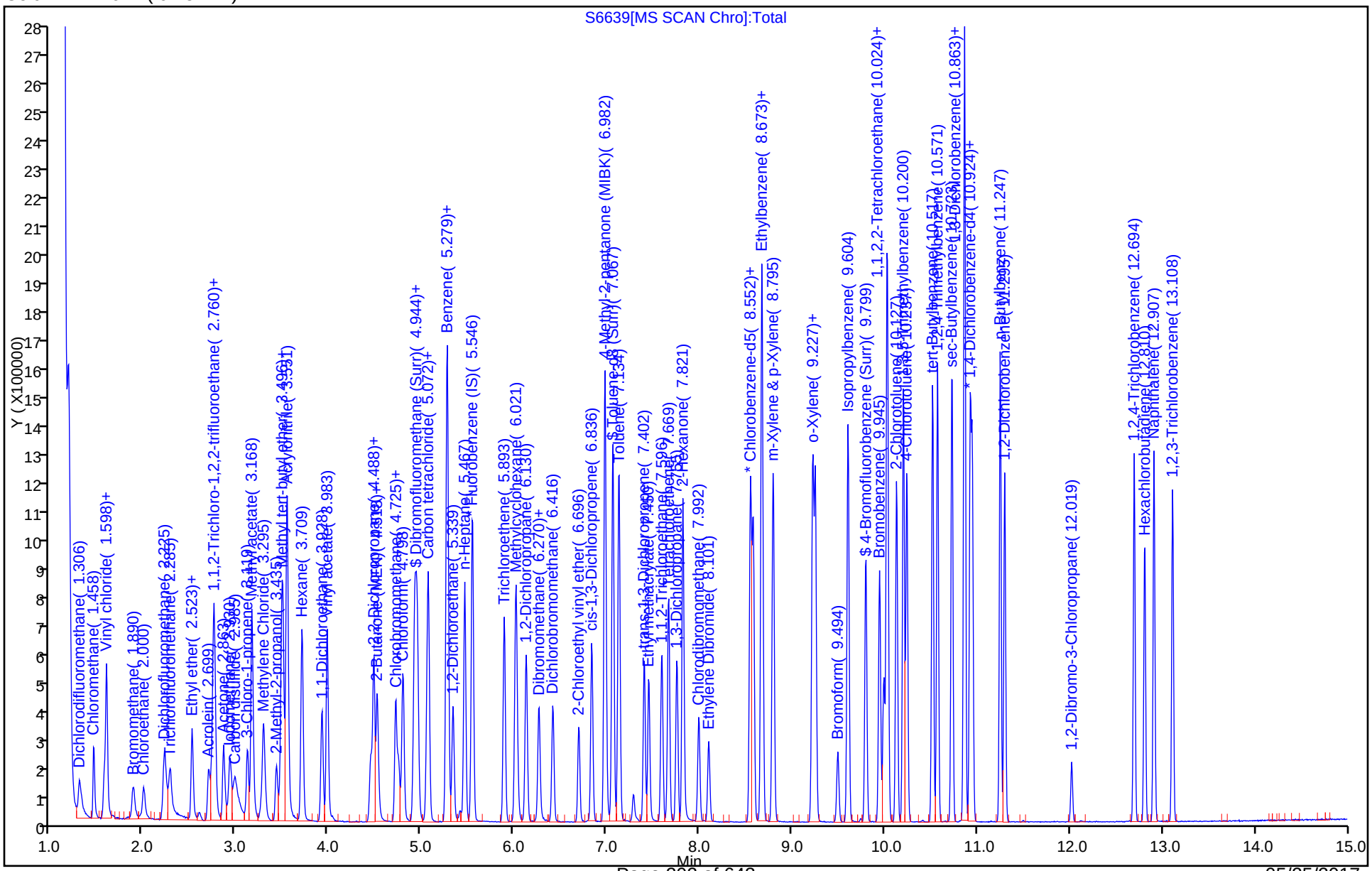
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TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20170515-62534.b\S6639.D

Injection Date:	16-May-2017 00:54:30	Instrument ID:	HP5973S	Operator ID:	SO
Lims ID:	ICIS 5			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	44
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20170515-62534.b\S6640.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 16-May-2017 01:17:30 ALS Bottle#: 45 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0062534-010
Operator ID: SO Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20170515-62534.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 16-May-2017 13:45:49 Calib Date: 16-May-2017 05:55:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20170515-62534.b\S6652.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK039

First Level Reviewer: archern Date: 16-May-2017 10:06:26

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	5.546	5.546	0.000	99	173636	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.551	8.552	-0.001	85	346246	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.924	10.924	0.000	45	334862	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.956	4.956	0.000	77	215009	25.0	25.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.266	5.266	0.000	0	130717	25.0	24.9	
$ 5 Toluene-d8 (Surr)	98	7.067	7.067	0.000	91	847095	25.0	24.8	
$ 6 4-Bromofluorobenzene (Surr	174	9.799	9.799	0.000	90	263953	25.0	25.5	
10 Dichlorodifluoromethane	85	1.312	1.306	0.006	87	389645	50.0	50.2	
12 Chloromethane	50	1.458	1.464	-0.006	100	404260	50.0	45.8	
13 Vinyl chloride	62	1.574	1.580	-0.006	99	391002	50.0	47.1	
151 Butadiene	54	1.598	1.598	0.000	91	390338	50.0	46.9	
14 Bromomethane	94	1.884	1.890	-0.006	94	172612	50.0	44.0	
15 Chloroethane	64	1.999	2.000	-0.001	98	210503	50.0	46.5	
16 Dichlorofluoromethane	67	2.225	2.225	-0.001	99	413712	50.0	45.0	
17 Trichlorofluoromethane	101	2.255	2.261	-0.006	96	464706	50.0	54.3	
18 Ethyl ether	59	2.523	2.523	0.000	92	331181	50.0	49.1	
20 Acrolein	56	2.699	2.699	0.000	98	341341	250.0	238.2	
21 1,1,2-Trichloro-1,2,2-trif	101	2.748	2.754	-0.006	87	370619	50.0	51.6	
22 1,1-Dichloroethene	96	2.766	2.760	0.006	97	403567	50.0	48.2	M
23 Acetone	43	2.863	2.863	0.000	100	621091	250.0	228.7	
25 Iodomethane	142	2.930	2.930	0.000	97	589036	50.0	49.0	
26 Carbon disulfide	76	2.985	2.985	0.000	99	974765	50.0	48.8	
28 3-Chloro-1-propene	41	3.119	3.119	0.000	83	479339	50.0	49.3	
27 Methyl acetate	43	3.167	3.168	-0.001	96	1576430	250.0	244.3	
30 Methylene Chloride	84	3.295	3.295	0.000	89	377526	50.0	45.9	M
31 2-Methyl-2-propanol	59	3.429	3.435	-0.006	97	439997	500.0	492.6	M
32 Methyl tert-butyl ether	73	3.490	3.490	0.000	86	1105012	50.0	48.7	
34 trans-1,2-Dichloroethene	96	3.502	3.502	0.000	79	401268	50.0	49.3	M
33 Acrylonitrile	53	3.545	3.551	-0.006	98	1614548	500.0	487.8	
35 Hexane	57	3.709	3.709	0.000	91	603783	50.0	49.7	M

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	3.928	3.928	0.000	97	677712	50.0	48.5	
37 Vinyl acetate	43	3.983	3.983	0.000	97	1800421	100.0	105.3	
44 2,2-Dichloropropane	77	4.451	4.451	0.000	91	259448	50.0	47.5	
45 cis-1,2-Dichloroethene	96	4.488	4.488	0.000	79	446668	50.0	47.7	
43 2-Butanone (MEK)	43	4.518	4.518	0.000	94	995448	250.0	238.0	
48 Chlorobromomethane	128	4.719	4.725	-0.006	97	217793	50.0	48.8	
49 Tetrahydrofuran	42	4.749	4.749	0.000	86	258869	100.0	89.6	
50 Chloroform	83	4.798	4.798	0.000	85	666460	50.0	47.6	
51 1,1,1-Trichloroethane	97	4.920	4.920	0.000	97	443883	50.0	52.2	
52 Cyclohexane	56	4.938	4.938	0.000	92	667774	50.0	50.3	
55 Carbon tetrachloride	117	5.059	5.060	-0.001	90	403542	50.0	52.1	
54 1,1-Dichloropropene	75	5.072	5.078	-0.006	92	498757	50.0	47.8	
53 Isobutyl alcohol	43	5.278	5.279	-0.001	56	541601	1250.0	1351.9	
57 Benzene	78	5.278	5.279	-0.001	97	1561305	50.0	48.9	
58 1,2-Dichloroethane	62	5.339	5.339	0.000	78	512527	50.0	47.4	
59 n-Heptane	43	5.467	5.467	0.000	94	583338	50.0	48.6	
62 Trichloroethene	95	5.893	5.893	0.000	95	398403	50.0	48.1	
64 Methylcyclohexane	83	6.021	6.021	0.000	90	673624	50.0	50.5	
65 1,2-Dichloropropane	63	6.130	6.130	0.000	90	392954	50.0	48.9	
67 Dibromomethane	93	6.264	6.264	0.000	91	256442	50.0	49.0	
66 1,4-Dioxane	88	6.276	6.276	0.000	47	105014	1000.0	1022.1	
68 Dichlorobromomethane	83	6.416	6.416	0.000	97	477727	50.0	52.3	
69 2-Chloroethyl vinyl ether	63	6.696	6.696	0.000	94	266953	50.0	50.6	
72 cis-1,3-Dichloropropene	75	6.836	6.836	0.000	90	628436	50.0	52.2	
73 4-Methyl-2-pentanone (MIBK	43	6.982	6.982	0.000	97	2020088	250.0	253.1	
74 Toluene	92	7.134	7.134	0.000	97	1011701	50.0	48.6	
77 trans-1,3-Dichloropropene	75	7.402	7.402	0.000	96	565362	50.0	53.5	
75 Ethyl methacrylate	69	7.450	7.450	0.000	70	509747	50.0	52.7	
79 1,1,2-Trichloroethane	83	7.596	7.596	0.000	92	291070	50.0	50.7	
81 Tetrachloroethene	166	7.669	7.669	0.000	93	440463	50.0	50.8	
82 1,3-Dichloropropane	76	7.754	7.755	-0.001	93	614765	50.0	49.2	
80 2-Hexanone	43	7.821	7.821	0.000	93	1403887	250.0	255.2	
83 Chlorodibromomethane	129	7.992	7.992	0.000	90	391593	50.0	57.5	
84 Ethylene Dibromide	107	8.101	8.101	0.000	97	385933	50.0	52.0	
87 Chlorobenzene	112	8.582	8.582	0.000	94	1127735	50.0	48.9	
88 Ethylbenzene	91	8.673	8.673	0.000	98	1845942	50.0	49.3	
89 1,1,1,2-Tetrachloroethane	131	8.679	8.679	0.000	46	394551	50.0	53.7	
90 m-Xylene & p-Xylene	106	8.795	8.795	0.000	0	757018	50.0	49.8	
91 o-Xylene	106	9.221	9.221	0.000	97	731925	50.0	50.2	
92 Styrene	104	9.251	9.251	0.000	94	1250962	50.0	51.4	
95 Bromoform	173	9.494	9.494	0.000	95	246816	50.0	50.0	
94 Isopropylbenzene	105	9.604	9.604	0.000	95	1872117	50.0	50.1	
101 Bromobenzene	156	9.945	9.945	0.000	92	509114	50.0	51.1	
97 1,1,2,2-Tetrachloroethane	83	9.993	9.987	0.006	87	449800	50.0	50.0	
100 1,2,3-Trichloropropane	110	10.024	10.024	0.000	50	145092	50.0	48.3	
99 N-Propylbenzene	91	10.030	10.024	0.006	98	2129637	50.0	49.9	
98 trans-1,4-Dichloro-2-buten	53	10.036	10.036	0.000	38	138549	50.0	52.6	
103 2-Chlorotoluene	126	10.133	10.127	0.006	97	457843	50.0	49.7	
102 1,3,5-Trimethylbenzene	105	10.200	10.200	0.000	82	1564560	50.0	50.1	
105 4-Chlorotoluene	126	10.243	10.237	0.006	97	485019	50.0	50.5	
106 tert-Butylbenzene	134	10.516	10.523	-0.007	92	377161	50.0	49.7	
107 1,2,4-Trimethylbenzene	105	10.571	10.571	0.000	34	1600634	50.0	49.7	

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	10.729	10.729	0.000	93	2074601	50.0	50.7	
111 1,3-Dichlorobenzene	146	10.863	10.863	0.000	71	913836	50.0	49.7	
110 4-Isopropyltoluene	119	10.863	10.863	0.000	96	1717591	50.0	49.8	
113 1,4-Dichlorobenzene	146	10.948	10.948	0.000	94	926448	50.0	48.5	
115 n-Butylbenzene	91	11.246	11.247	-0.001	95	1560745	50.0	49.7	
116 1,2-Dichlorobenzene	146	11.295	11.295	0.000	93	897815	50.0	49.6	
117 1,2-Dibromo-3-Chloropropan	75	12.019	12.019	0.000	85	81627	50.0	54.4	
119 1,2,4-Trichlorobenzene	180	12.694	12.694	0.000	91	688986	50.0	48.9	
120 Hexachlorobutadiene	225	12.810	12.810	0.000	97	318606	50.0	48.4	
121 Naphthalene	128	12.907	12.907	0.000	97	1755277	50.0	50.2	
122 1,2,3-Trichlorobenzene	180	13.108	13.108	0.000	93	635908	50.0	50.5	
S 123 Total BTEX	1				0			246.9	
S 124 Xylenes, Total	1				0			100.0	
S 125 1,2-Dichloroethene, Total	1				0			97.0	
S 126 1,3-Dichloropropene, Total	1				0			105.7	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00098	Amount Added: 25.00	Units: uL		
GAS CORP mix_00220	Amount Added: 25.00	Units: uL		
S_8260_IS_00230	Amount Added: 1.00	Units: uL	Run Reagent	
S_8260_Surr_00198	Amount Added: 1.00	Units: uL	Run Reagent	

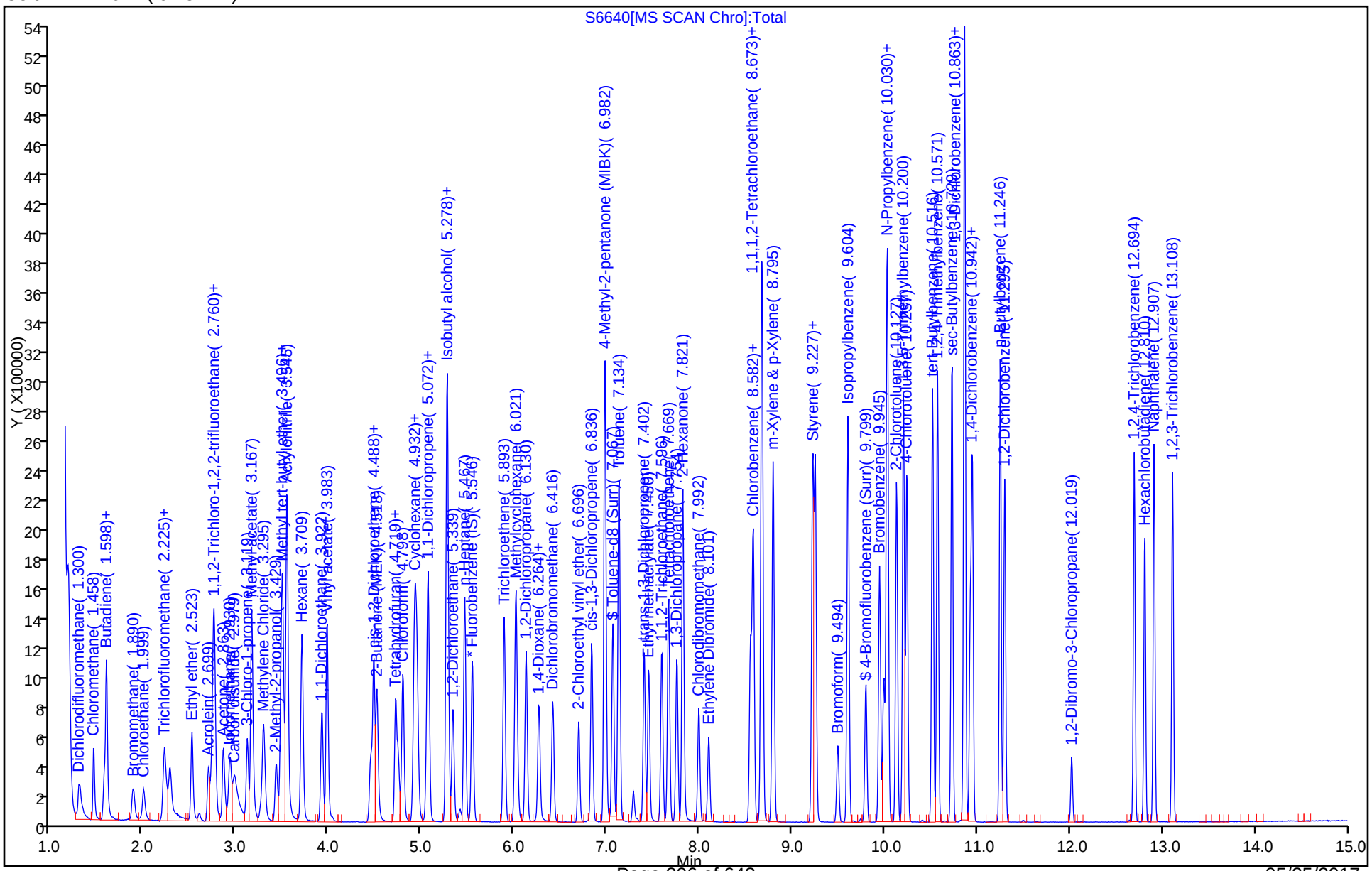
Report Date: 16-May-2017 13:45:51 Chrom Revision: 2.2 11-May-2017 11:43:00

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20170515-62534.b\S6640.D

Injection Date:	16-May-2017 01:17:30	Instrument ID:	HP5973S	Operator ID:	SO
Lims ID:	IC 6			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	45
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

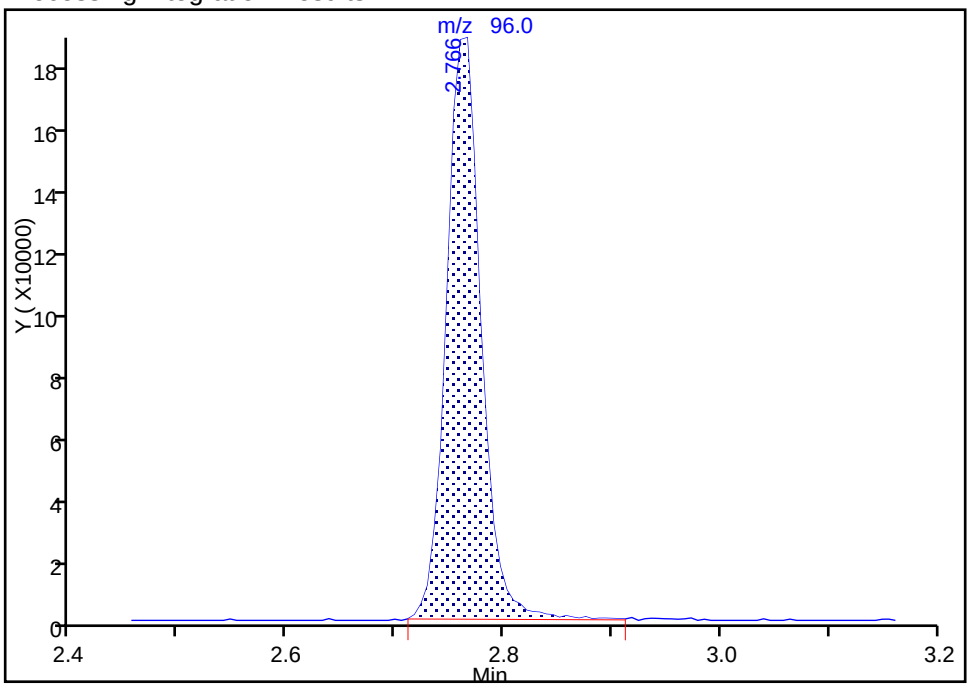
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Injection Date: 16-May-2017 01:17:30 Instrument ID: HP5973S
Lims ID: IC 6
Client ID:
Operator ID: SO ALS Bottle#: 45 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

22 1,1-Dichloroethene, CAS: 75-35-4

Signal: 1

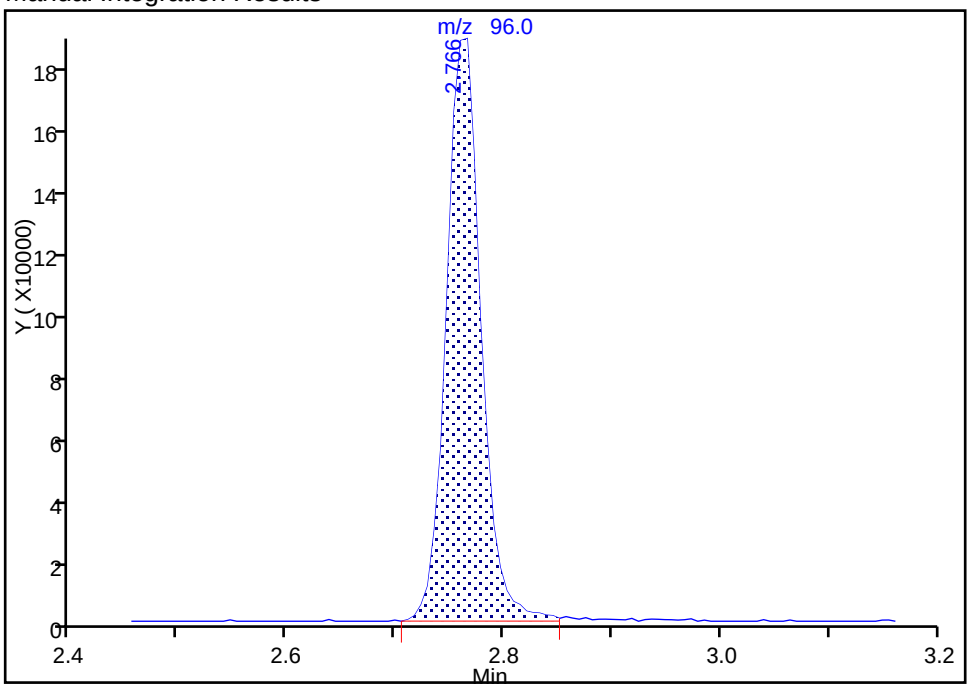
Processing Integration Results

RT: 2.77
Area: 403053
Amount: 48.109219
Amount Units: ug/L



Manual Integration Results

RT: 2.77
Area: 403567
Amount: 48.163184
Amount Units: ug/L



Reviewer: archern, 16-May-2017 10:03:50
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

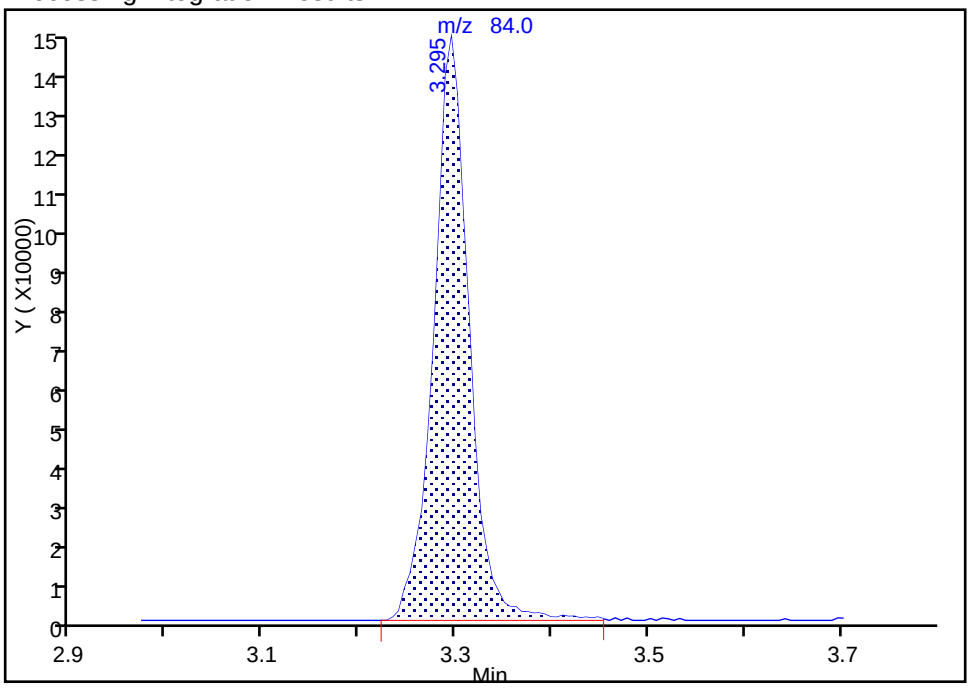
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Injection Date: 16-May-2017 01:17:30 Instrument ID: HP5973S
Lims ID: IC 6
Client ID:
Operator ID: SO ALS Bottle#: 45 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

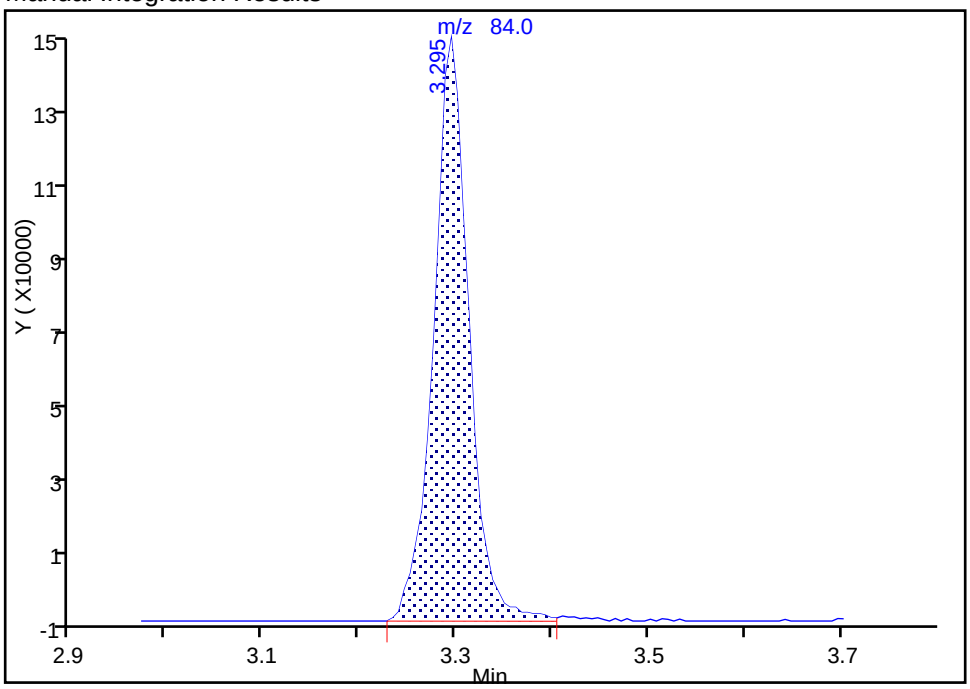
Processing Integration Results

RT: 3.30
Area: 379567
Amount: 43.517940
Amount Units: ug/L



Manual Integration Results

RT: 3.30
Area: 377526
Amount: 45.938498
Amount Units: ug/L



Reviewer: archern, 16-May-2017 10:04:23
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

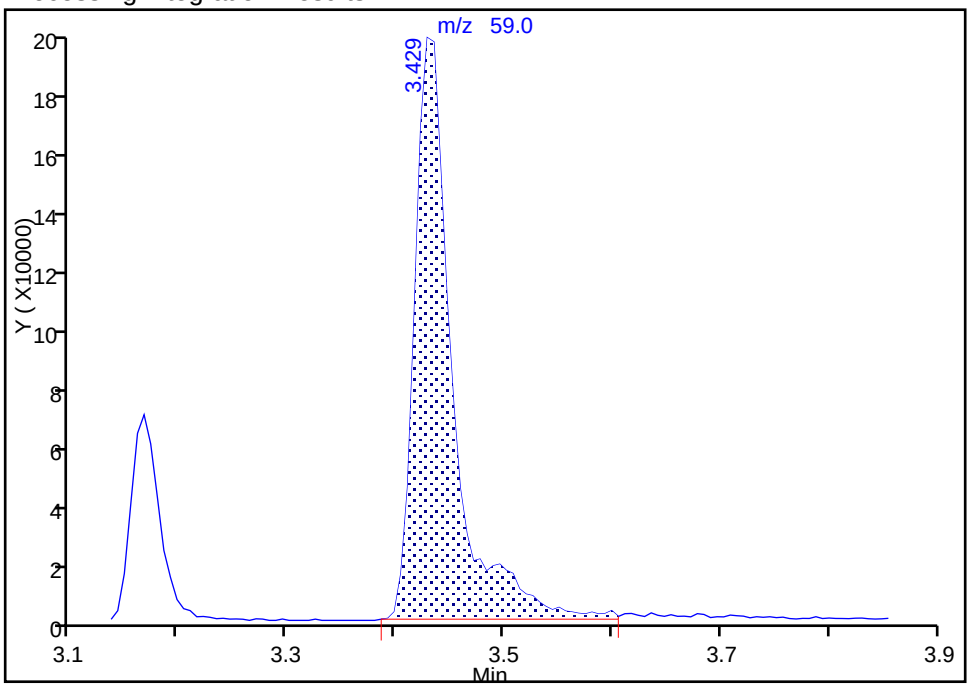
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Injection Date: 16-May-2017 01:17:30 Instrument ID: HP5973S
Lims ID: IC 6
Client ID:
Operator ID: SO ALS Bottle#: 45 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

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

Signal: 1

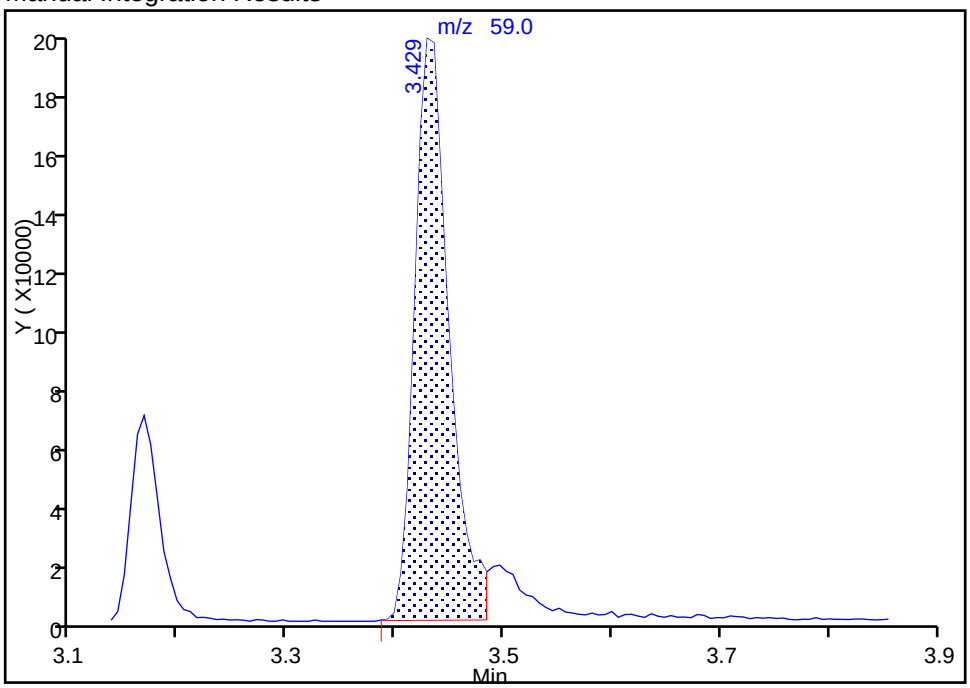
Processing Integration Results

RT: 3.43
Area: 487995
Amount: 537.9209
Amount Units: ug/L



Manual Integration Results

RT: 3.43
Area: 439997
Amount: 492.6006
Amount Units: ug/L



Reviewer: HillL, 16-May-2017 13:26:26
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

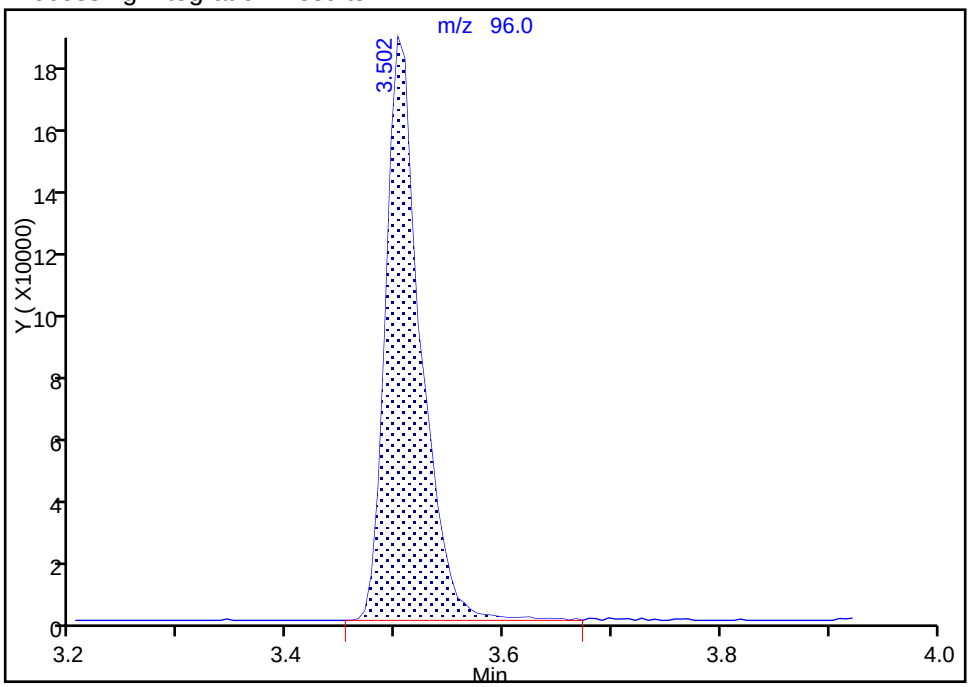
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Injection Date: 16-May-2017 01:17:30 Instrument ID: HP5973S
Lims ID: IC 6
Client ID:
Operator ID: SO ALS Bottle#: 45 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

34 trans-1,2-Dichloroethene, CAS: 156-60-5

Signal: 1

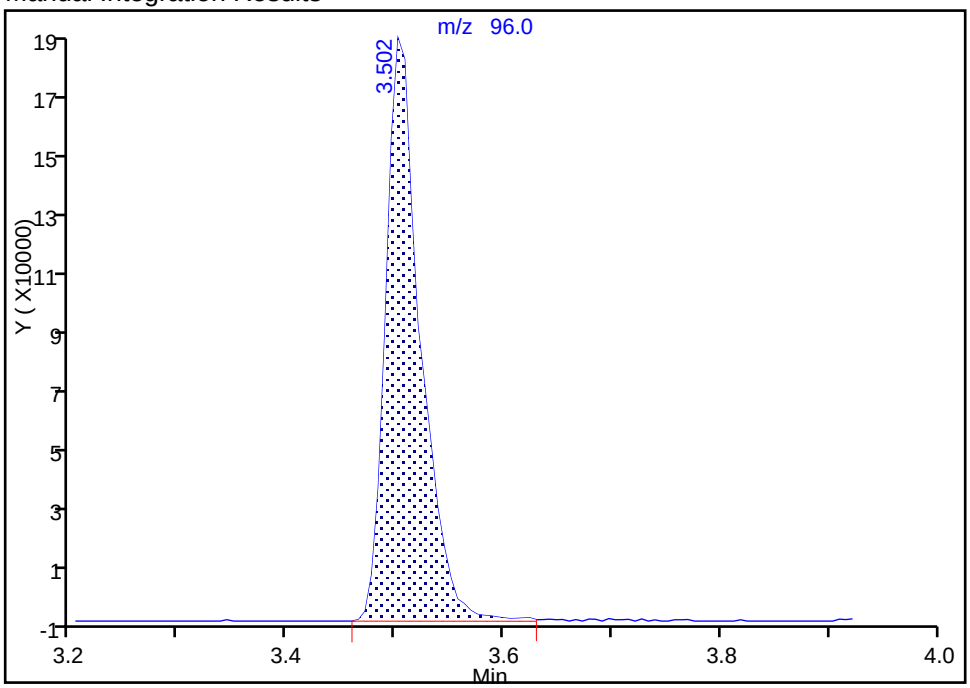
Processing Integration Results

RT: 3.50
Area: 401815
Amount: 49.270337
Amount Units: ug/L



Manual Integration Results

RT: 3.50
Area: 401268
Amount: 49.261490
Amount Units: ug/L



Reviewer: archern, 16-May-2017 10:05:08
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

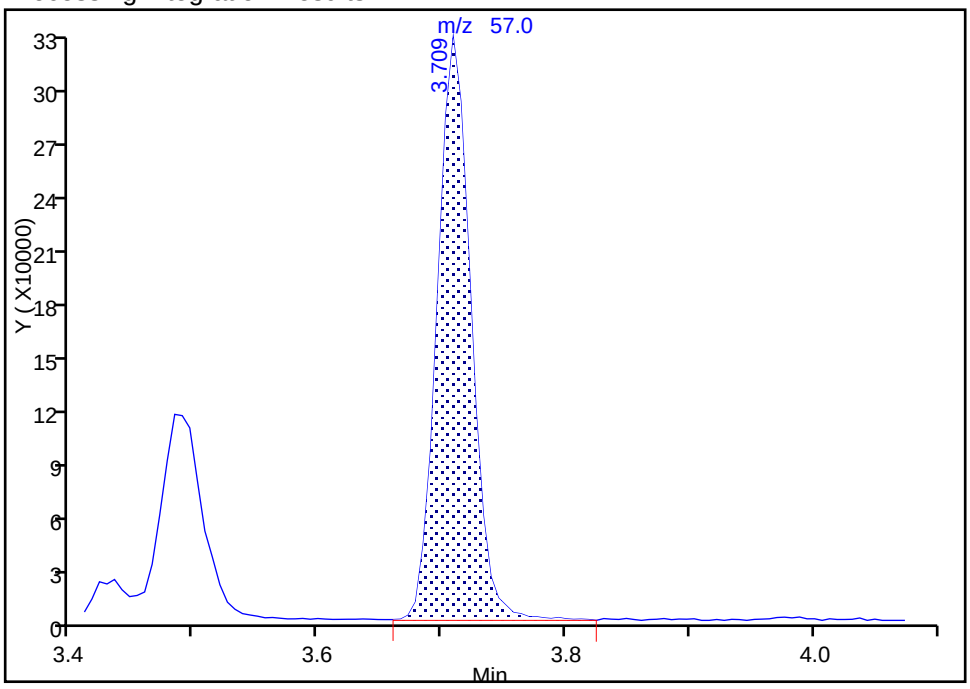
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Injection Date: 16-May-2017 01:17:30 Instrument ID: HP5973S
Lims ID: IC 6
Client ID:
Operator ID: SO ALS Bottle#: 45 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

35 Hexane, CAS: 110-54-3

Signal: 1

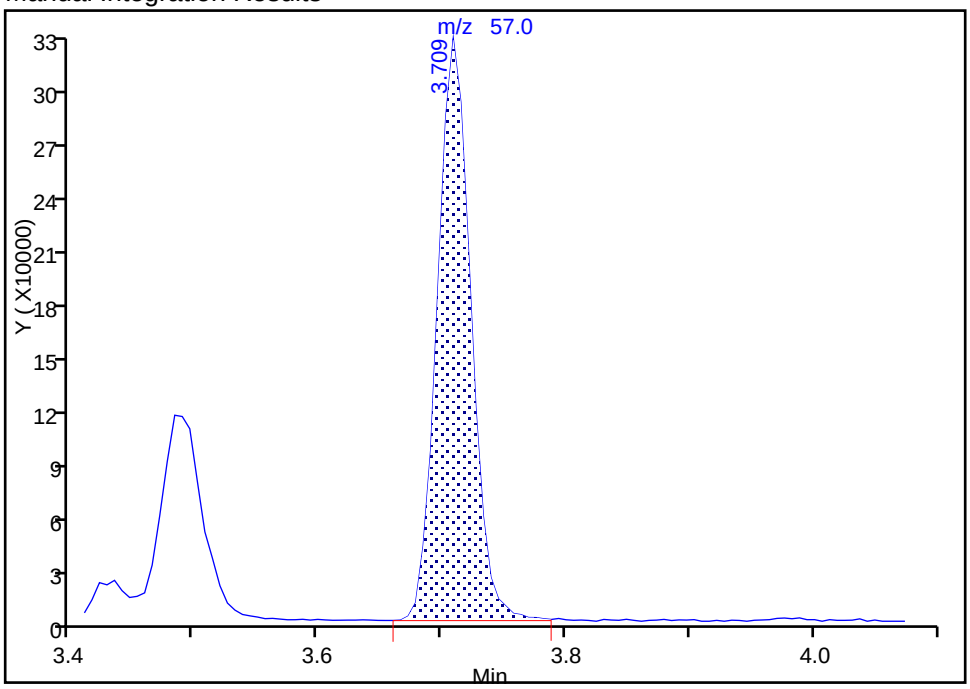
Processing Integration Results

RT: 3.71
Area: 608036
Amount: 48.773681
Amount Units: ug/L



Manual Integration Results

RT: 3.71
Area: 603783
Amount: 49.745642
Amount Units: ug/L



Reviewer: archern, 16-May-2017 10:05:49
Audit Action: Manually Integrated Audit Reason: Baseline

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20170515-62534.b\S6641.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 16-May-2017 01:41:30 ALS Bottle#: 46 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 7
Misc. Info.: 480-0062534-011
Operator ID: SO Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20170515-62534.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 16-May-2017 13:45:55 Calib Date: 16-May-2017 05:55:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20170515-62534.b\S6652.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK039

First Level Reviewer: archern Date: 16-May-2017 12:26:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.546	5.546	0.000	99	174173	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.551	8.552	-0.001	83	346860	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.924	10.924	0.000	24	340122	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.956	4.956	0.000	48	215333	25.0	25.1	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.266	5.266	0.000	0	128900	25.0	24.5	
$ 5 Toluene-d8 (Surr)	98	7.067	7.067	0.000	92	857858	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr	174	9.799	9.799	0.000	87	270565	25.0	26.1	
10 Dichlorodifluoromethane	85	1.306	1.306	0.000	98	751806	100.0	96.5	M
12 Chloromethane	50	1.464	1.464	0.000	89	768065	100.0	86.7	
13 Vinyl chloride	62	1.586	1.580	0.006	83	757791	100.0	91.0	
151 Butadiene	54	1.598	1.598	0.000	91	750649	100.0	89.9	
14 Bromomethane	94	1.884	1.890	-0.006	94	342341	100.0	86.9	
15 Chloroethane	64	1.999	2.000	-0.001	98	409509	100.0	90.2	
16 Dichlorofluoromethane	67	2.231	2.225	0.006	98	785304	100.0	85.1	
17 Trichlorofluoromethane	101	2.261	2.261	0.000	97	977619	100.0	113.8	
18 Ethyl ether	59	2.523	2.523	0.000	92	630328	100.0	93.2	
20 Acrolein	56	2.699	2.699	0.000	96	644407	500.0	448.4	
21 1,1,2-Trichloro-1,2,2-trif	101	2.754	2.754	0.000	77	695273	100.0	96.5	
22 1,1-Dichloroethene	96	2.766	2.760	0.006	93	760734	100.0	90.5	
23 Acetone	43	2.863	2.863	0.000	99	1211096	500.0	444.6	
25 Iodomethane	142	2.930	2.930	0.000	97	1145316	100.0	94.9	
26 Carbon disulfide	76	2.985	2.985	0.000	99	1896479	100.0	94.6	
28 3-Chloro-1-propene	41	3.119	3.119	0.000	80	868782	100.0	89.1	
27 Methyl acetate	43	3.168	3.168	0.000	98	3030628	500.0	468.2	
30 Methylene Chloride	84	3.295	3.295	0.000	88	725828	100.0	88.0	
31 2-Methyl-2-propanol	59	3.435	3.435	0.000	98	910776	1000.0	1016.5	
32 Methyl tert-butyl ether	73	3.490	3.490	0.000	87	2162700	100.0	94.9	
34 trans-1,2-Dichloroethene	96	3.502	3.502	0.000	68	753638	100.0	92.2	M
33 Acrylonitrile	53	3.551	3.551	0.000	98	3172100	1000.0	955.5	
35 Hexane	57	3.709	3.709	0.000	92	1137879	100.0	93.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.922	3.928	-0.006	97	1290869	100.0	92.1	
37 Vinyl acetate	43	3.983	3.983	0.000	97	3517165	200.0	205.1	
44 2,2-Dichloropropane	77	4.457	4.451	0.006	92	472949	100.0	86.4	
45 cis-1,2-Dichloroethene	96	4.488	4.488	0.000	79	864831	100.0	92.1	
43 2-Butanone (MEK)	43	4.518	4.518	0.000	94	1988499	500.0	474.0	
48 Chlorobromomethane	128	4.725	4.725	0.000	94	424276	100.0	94.7	
49 Tetrahydrofuran	42	4.749	4.749	0.000	87	524979	200.0	181.1	
50 Chloroform	83	4.798	4.798	0.000	84	1267730	100.0	90.2	
51 1,1,1-Trichloroethane	97	4.920	4.920	0.000	98	848150	100.0	99.3	
52 Cyclohexane	56	4.938	4.938	0.000	91	1248246	100.0	93.7	
55 Carbon tetrachloride	117	5.059	5.060	-0.001	90	825435	100.0	106.2	
54 1,1-Dichloropropene	75	5.072	5.078	-0.006	92	957875	100.0	91.5	
57 Benzene	78	5.279	5.279	-0.001	97	2927387	100.0	91.5	
53 Isobutyl alcohol	43	5.279	5.279	-0.001	59	1084984	2500.0	2699.9	
58 1,2-Dichloroethane	62	5.339	5.339	0.000	78	1006553	100.0	92.8	
59 n-Heptane	43	5.467	5.467	0.000	93	1077541	100.0	89.4	
62 Trichloroethene	95	5.893	5.893	0.000	96	768962	100.0	92.6	
64 Methylcyclohexane	83	6.021	6.021	0.000	90	1260555	100.0	94.2	
65 1,2-Dichloropropane	63	6.130	6.130	0.000	94	761820	100.0	94.5	
67 Dibromomethane	93	6.264	6.264	0.000	92	494099	100.0	94.0	
66 1,4-Dioxane	88	6.276	6.276	0.000	52	223822	2000.0	2174.5	
68 Dichlorobromomethane	83	6.416	6.416	0.000	98	950579	100.0	103.7	
69 2-Chloroethyl vinyl ether	63	6.696	6.696	0.000	92	546872	100.0	103.3	
72 cis-1,3-Dichloropropene	75	6.836	6.836	0.000	91	1221153	100.0	101.1	
73 4-Methyl-2-pentanone (MIBK	43	6.982	6.982	0.000	95	3847767	500.0	481.2	
74 Toluene	92	7.134	7.134	0.000	98	1942484	100.0	93.2	
77 trans-1,3-Dichloropropene	75	7.402	7.402	0.000	96	1113801	100.0	105.2	
75 Ethyl methacrylate	69	7.450	7.450	0.000	70	1029209	100.0	106.2	
79 1,1,2-Trichloroethane	83	7.596	7.596	0.000	93	569596	100.0	99.1	
81 Tetrachloroethene	166	7.669	7.669	0.000	93	828835	100.0	95.3	
82 1,3-Dichloropropane	76	7.755	7.755	-0.001	93	1192693	100.0	95.2	
80 2-Hexanone	43	7.821	7.821	0.000	93	2783319	500.0	505.2	
83 Chlorodibromomethane	129	7.992	7.992	0.000	90	782441	100.0	114.6	
84 Ethylene Dibromide	107	8.101	8.101	0.000	98	739582	100.0	99.5	
87 Chlorobenzene	112	8.582	8.582	0.000	94	2133603	100.0	92.4	
88 Ethylbenzene	91	8.673	8.673	0.000	98	3429664	100.0	91.4	
89 1,1,1,2-Tetrachloroethane	131	8.679	8.679	0.000	47	777710	100.0	105.7	
90 m-Xylene & p-Xylene	106	8.795	8.795	0.000	0	1448942	100.0	95.2	
91 o-Xylene	106	9.221	9.221	0.000	97	1402920	100.0	96.1	
92 Styrene	104	9.251	9.251	0.000	95	2417866	100.0	99.2	
95 Bromoform	173	9.494	9.494	0.000	95	512039	100.0	102.7	
94 Isopropylbenzene	105	9.604	9.604	0.000	96	3482638	100.0	91.7	
101 Bromobenzene	156	9.945	9.945	0.000	92	992593	100.0	98.0	
97 1,1,2,2-Tetrachloroethane	83	9.987	9.987	0.000	87	889640	100.0	97.4	
99 N-Propylbenzene	91	10.030	10.024	0.006	97	3901112	100.0	90.1	
100 1,2,3-Trichloropropane	110	10.024	10.024	0.000	51	285236	100.0	93.4	
98 trans-1,4-Dichloro-2-buten	53	10.036	10.036	0.000	40	286485	100.0	107.2	
103 2-Chlorotoluene	126	10.133	10.127	0.006	97	887122	100.0	94.8	
102 1,3,5-Trimethylbenzene	105	10.206	10.200	0.006	81	2937488	100.0	92.5	
105 4-Chlorotoluene	126	10.243	10.237	0.006	97	934099	100.0	95.8	
106 tert-Butylbenzene	134	10.516	10.523	-0.007	88	730553	100.0	94.8	
107 1,2,4-Trimethylbenzene	105	10.571	10.571	0.000	76	2994473	100.0	91.5	

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	10.729	10.729	0.000	94	3768870	100.0	90.7	
110 4-Isopropyltoluene	119	10.863	10.863	0.000	95	3162079	100.0	90.3	
111 1,3-Dichlorobenzene	146	10.863	10.863	0.000	74	1716237	100.0	92.0	
113 1,4-Dichlorobenzene	146	10.948	10.948	0.000	95	1792743	100.0	92.3	
115 n-Butylbenzene	91	11.246	11.247	-0.001	97	2924767	100.0	91.7	
116 1,2-Dichlorobenzene	146	11.295	11.295	0.000	93	1708828	100.0	92.9	
117 1,2-Dibromo-3-Chloropropan	75	12.019	12.019	0.000	86	168266	100.0	110.3	
119 1,2,4-Trichlorobenzene	180	12.694	12.694	0.000	92	1323642	100.0	92.4	
120 Hexachlorobutadiene	225	12.810	12.810	0.000	97	611560	100.0	91.4	
121 Naphthalene	128	12.907	12.907	0.000	98	3390549	100.0	95.4	
122 1,2,3-Trichlorobenzene	180	13.108	13.108	0.000	95	1242812	100.0	97.2	
S 125 1,2-Dichloroethene, Total	1				0			184.4	
S 126 1,3-Dichloropropene, Total	1				0			206.3	
S 123 Total BTEX	1				0			467.3	
S 124 Xylenes, Total	1				0			191.3	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00098	Amount Added: 50.00	Units: uL		
GAS CORP mix_00220	Amount Added: 50.00	Units: uL		
S_8260_IS_00230	Amount Added: 1.00	Units: uL	Run Reagent	
S_8260_Surr_00198	Amount Added: 1.00	Units: uL	Run Reagent	

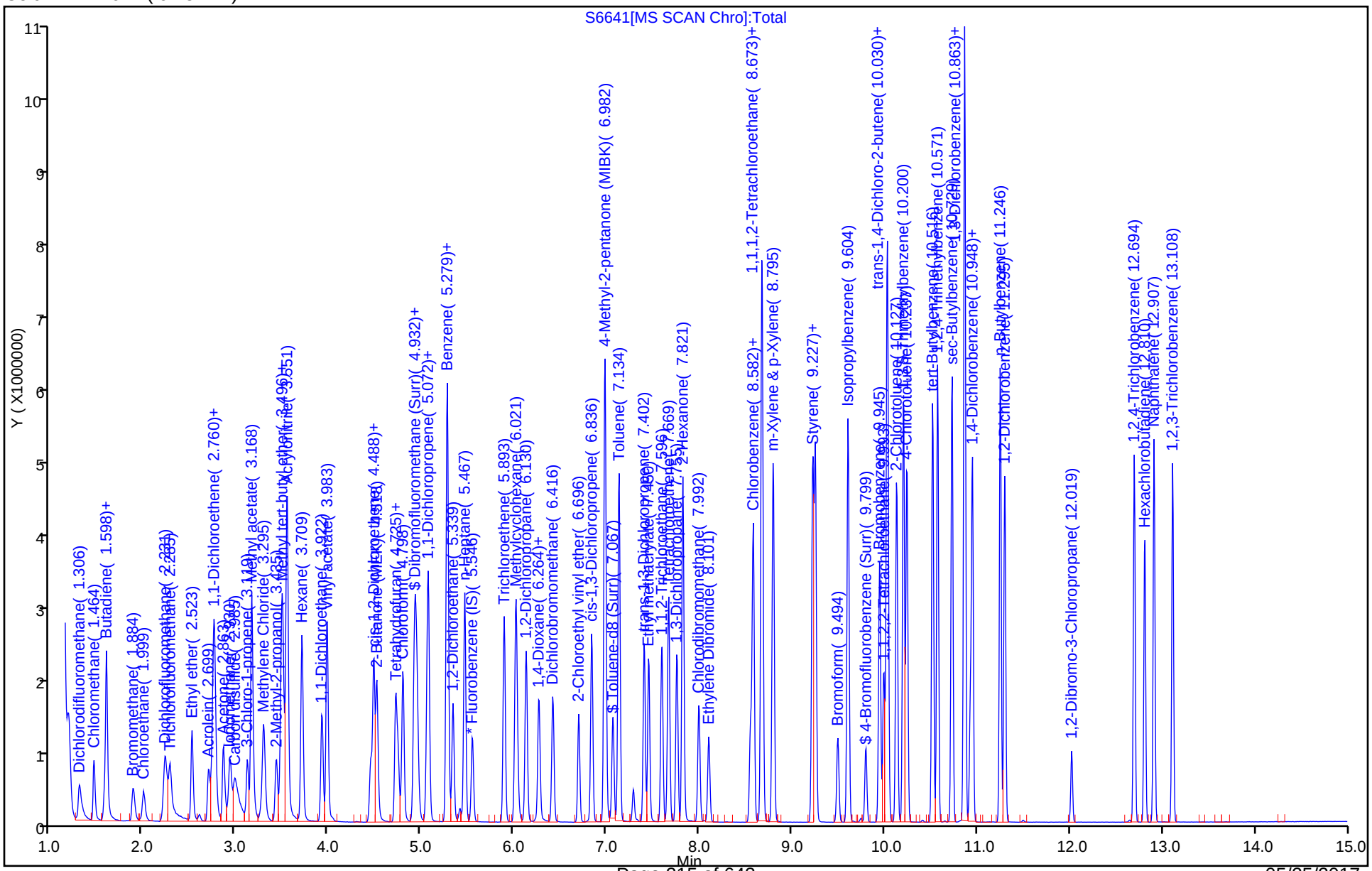
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TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20170515-62534.b\S6641.D

Injection Date:	16-May-2017 01:41:30	Instrument ID:	HP5973S	Operator ID:	SO
Lims ID:	IC 7			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	46
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

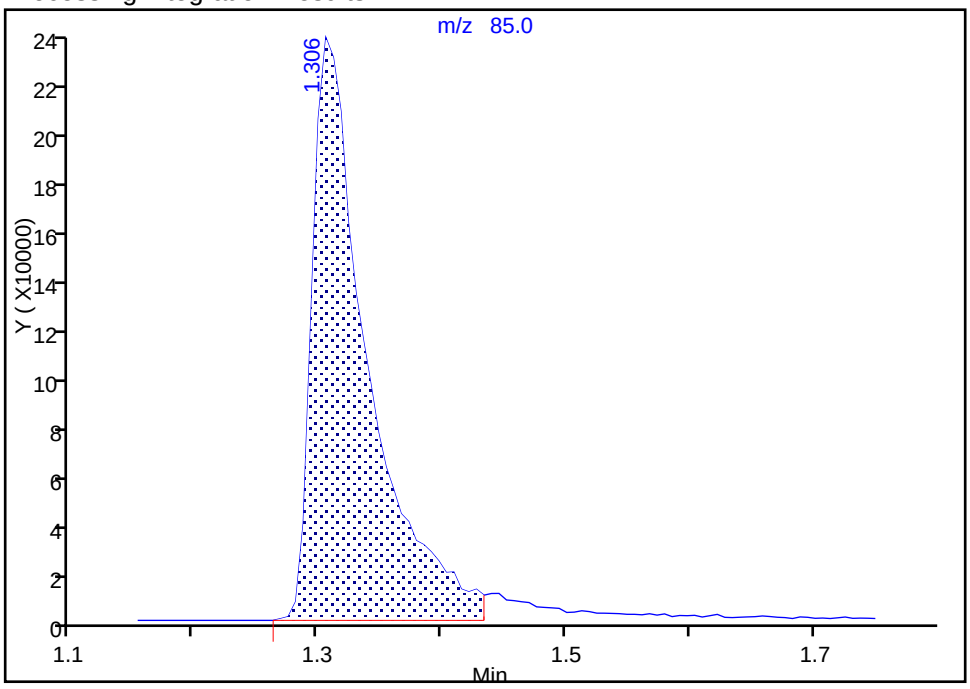
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Lims ID: IC 7
Client ID:
Operator ID: SO ALS Bottle#: 46 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

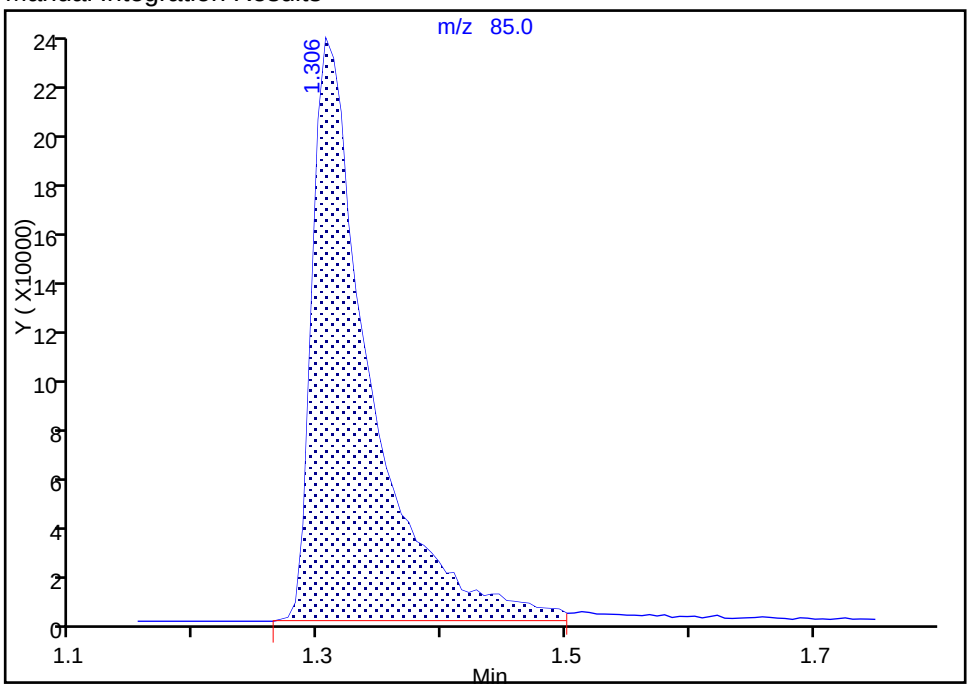
Processing Integration Results

RT: 1.31
Area: 727816
Amount: 93.793323
Amount Units: ug/L



Manual Integration Results

RT: 1.31
Area: 751806
Amount: 96.511935
Amount Units: ug/L



Reviewer: archern, 16-May-2017 10:07:22
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

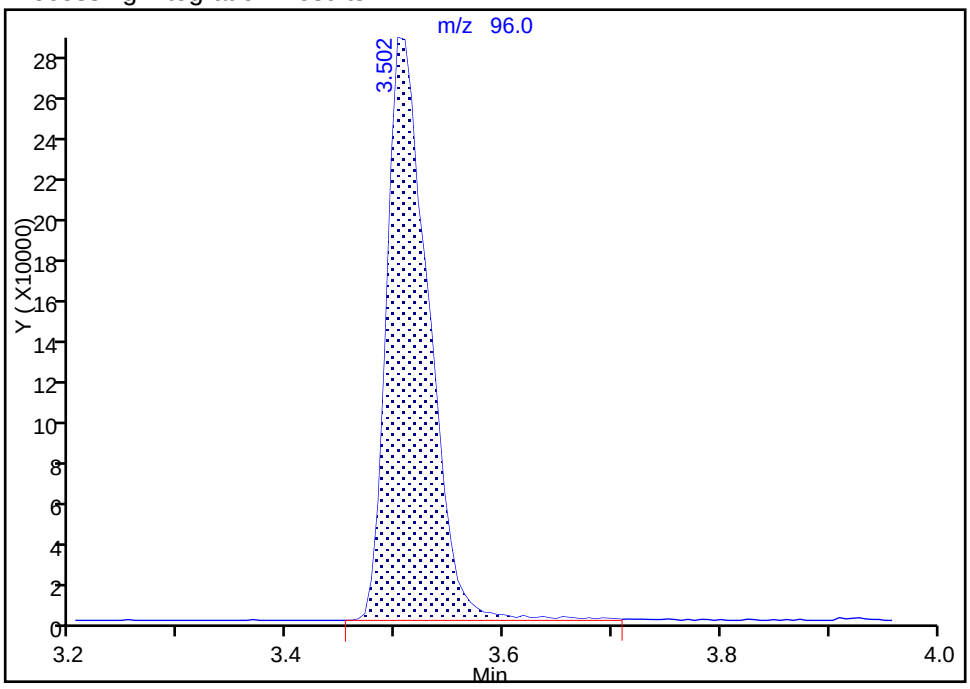
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Injection Date: 16-May-2017 01:41:30 Instrument ID: HP5973S
Lims ID: IC 7
Client ID:
Operator ID: SO ALS Bottle#: 46 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

34 trans-1,2-Dichloroethene, CAS: 156-60-5

Signal: 1

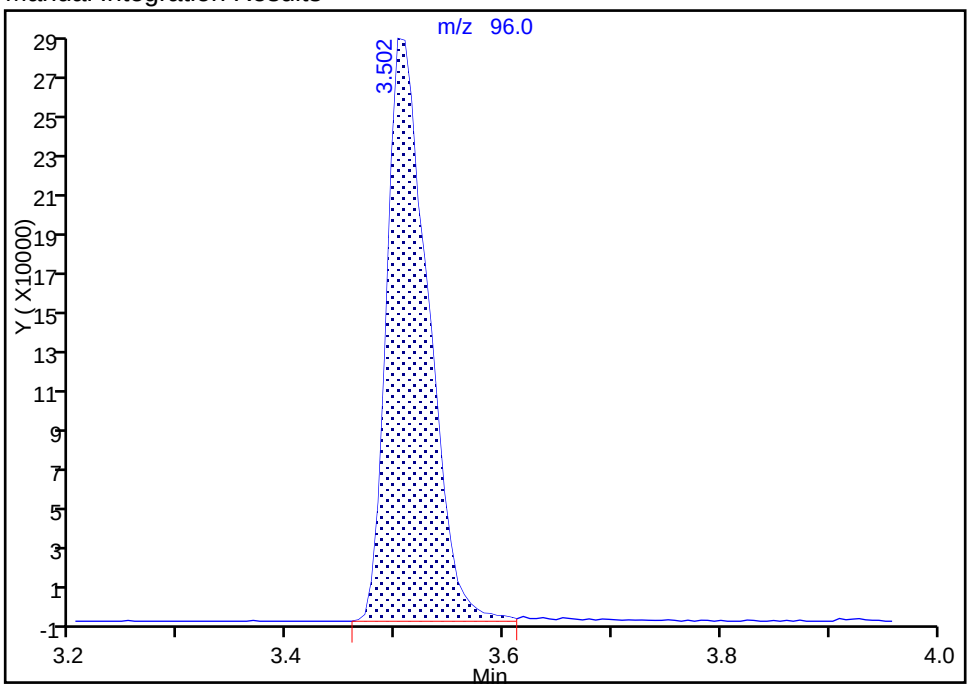
Processing Integration Results

RT: 3.50
Area: 760276
Amount: 92.952791
Amount Units: ug/L



Manual Integration Results

RT: 3.50
Area: 753638
Amount: 92.234786
Amount Units: ug/L



Reviewer: archern, 16-May-2017 10:08:05
Audit Action: Manually Integrated Audit Reason: Baseline

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Lab Sample ID: CCVIS 480-358793/3 Calibration Date: 05/23/2017 22:51

Instrument ID: HP5973C Calib Start Date: 05/22/2017 14:55

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 05/22/2017 17:51

Lab File ID: C0146.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	2.306	2.574	0.1000	27.9	25.0	11.6	50.0
Chloromethane	Ave	1.521	1.414	0.1000	23.2	25.0	-7.0	20.0
Vinyl chloride	Ave	1.345	1.354	0.1000	25.2	25.0	0.7	20.0
Butadiene	Ave	1.141	1.135		24.9	25.0	-0.5	20.0
Bromomethane	Ave	1.757	1.655	0.1000	23.5	25.0	-5.8	50.0
Chloroethane	Ave	1.471	1.435	0.1000	24.4	25.0	-2.5	50.0
Dichlorofluoromethane	Ave	3.459	3.499		25.3	25.0	1.2	20.0
Trichlorofluoromethane	Ave	3.312	3.680	0.1000	27.8	25.0	11.1	20.0
Ethyl ether	Ave	1.709	1.653		24.2	25.0	-3.3	20.0
Acrolein	Ave	0.2700	0.2761		128	125	2.3	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.951	2.082	0.1000	26.7	25.0	6.7	20.0
1,1-Dichloroethene	Ave	1.982	2.044	0.1000	25.8	25.0	3.1	20.0
Acetone	Ave	0.5191	0.4978	0.1000	120	125	-4.1	50.0
Iodomethane	Ave	3.813	3.887		25.5	25.0	1.9	20.0
Carbon disulfide	Ave	6.805	6.774	0.1000	24.9	25.0	-0.5	20.0
Methyl acetate	Ave	1.340	1.280	0.1000	119	125	-4.5	50.0
Allyl chloride	Ave	3.058	2.874		23.5	25.0	-6.0	20.0
Methylene Chloride	Lin1		2.264	0.1000	26.0	25.0	4.1	20.0
2-Methyl-2-propanol	Ave	0.2340	0.2218		237	250	-5.2	50.0
Methyl tert-butyl ether	Ave	5.907	5.784	0.1000	24.5	25.0	-2.1	20.0
Acrylonitrile	Ave	0.7093	0.6965		245	250	-1.8	20.0
trans-1,2-Dichloroethene	Ave	2.419	2.265	0.1000	23.4	25.0	-6.3	20.0
Hexane	Ave	2.759	2.729		24.7	25.0	-1.1	20.0
Vinyl acetate	Ave	3.721	3.799		51.0	50.0	2.1	20.0
1,1-Dichloroethane	Ave	3.532	3.478	0.2000	24.6	25.0	-1.6	20.0
2-Butanone (MEK)	Ave	0.8592	0.8176	0.1000	119	125	-4.8	20.0
2,2-Dichloropropane	Ave	3.018	3.027		25.1	25.0	0.3	20.0
cis-1,2-Dichloroethene	Ave	2.754	2.598	0.1000	23.6	25.0	-5.7	20.0
Chlorobromomethane	Ave	1.344	1.355		25.2	25.0	0.8	20.0
Chloroform	Ave	3.846	3.710	0.2000	24.1	25.0	-3.5	20.0
Tetrahydrofuran	Ave	0.6197	0.5619		45.3	50.0	-9.3	20.0
1,1,1-Trichloroethane	Ave	3.209	3.313	0.1000	25.8	25.0	3.2	20.0
Cyclohexane	Ave	3.644	3.643	0.1000	25.0	25.0	-0.0	20.0
Isobutyl alcohol	Ave	0.1090	0.1013		581	625	-7.0	50.0
1,1-Dichloropropene	Ave	2.668	2.714		25.4	25.0	1.7	20.0
Carbon tetrachloride	Ave	2.892	3.067	0.1000	26.5	25.0	6.0	20.0
Benzene	Ave	8.545	8.424	0.5000	24.6	25.0	-1.4	20.0
1,2-Dichloroethane	Ave	2.747	2.737	0.1000	24.9	25.0	-0.4	20.0
n-Heptane	Ave	2.677	2.443		22.8	25.0	-8.8	20.0
Trichloroethene	Ave	2.288	2.306	0.2000	25.2	25.0	0.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Lab Sample ID: CCVIS 480-358793/3 Calibration Date: 05/23/2017 22:51

Instrument ID: HP5973C Calib Start Date: 05/22/2017 14:55

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 05/22/2017 17:51

Lab File ID: C0146.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	3.494	3.590	0.1000	25.7	25.0	2.8	20.0
1,2-Dichloropropane	Ave	2.131	2.119	0.1000	24.9	25.0	-0.5	20.0
1,4-Dioxane	Ave	0.0103	0.0105		509	500	1.8	50.0
Dibromomethane	Ave	1.375	1.377	0.1000	25.0	25.0	0.1	20.0
Bromodichloromethane	Ave	2.543	2.585	0.2000	25.4	25.0	1.7	20.0
2-Chloroethyl vinyl ether	Ave	1.321	1.295		24.5	25.0	-2.0	20.0
cis-1,3-Dichloropropene	Ave	3.448	3.494	0.2000	25.3	25.0	1.4	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.7917	0.7617	0.1000	120	125	-3.8	20.0
Toluene	Ave	2.433	2.386	0.4000	24.5	25.0	-1.9	20.0
Ethyl methacrylate	Ave	1.003	0.998		24.9	25.0	-0.5	20.0
trans-1,3-Dichloropropene	Ave	1.328	1.319	0.1000	24.8	25.0	-0.7	20.0
1,1,2-Trichloroethane	Ave	0.7049	0.6921	0.1000	24.5	25.0	-1.8	20.0
2-Hexanone	Ave	0.5763	0.5471	0.1000	119	125	-5.1	20.0
Tetrachloroethene	Ave	1.178	1.177	0.2000	25.0	25.0	-0.0	20.0
1,3-Dichloropropane	Ave	1.439	1.394		24.2	25.0	-3.1	20.0
Dibromochloromethane	Ave	0.9554	0.9687	0.1000	25.3	25.0	1.4	20.0
1,2-Dibromoethane	Ave	0.9188	0.9086		24.7	25.0	-1.1	20.0
Chlorobenzene	Ave	2.999	2.981	0.5000	24.9	25.0	-0.6	20.0
Ethylbenzene	Ave	4.682	4.619	0.1000	24.7	25.0	-1.4	20.0
1,1,1,2-Tetrachloroethane	Ave	1.076	1.079		25.1	25.0	0.3	20.0
m,p-Xylene	Ave	1.977	1.962	0.1000	24.8	25.0	-0.7	20.0
o-Xylene	Ave	1.964	1.925	0.3000	24.5	25.0	-2.0	20.0
Styrene	Ave	3.024	3.041	0.3000	25.1	25.0	0.6	20.0
Isopropylbenzene	Ave	4.390	4.279	0.1000	24.4	25.0	-2.5	20.0
Bromoform	Ave	0.5806	0.5982	0.1000	25.8	25.0	3.0	50.0
1,1,2,2-Tetrachloroethane	Ave	1.004	0.9543	0.3000	23.8	25.0	-5.0	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2751	0.2727		24.8	25.0	-0.9	50.0
N-Propylbenzene	Ave	4.904	4.766		24.3	25.0	-2.8	20.0
1,2,3-Trichloropropane	Ave	0.3459	0.3290		23.8	25.0	-4.9	20.0
Bromobenzene	Ave	1.208	1.192		24.7	25.0	-1.4	20.0
1,3,5-Trimethylbenzene	Ave	3.656	3.601		24.6	25.0	-1.5	20.0
2-Chlorotoluene	Ave	1.122	1.099		24.5	25.0	-2.1	20.0
4-Chlorotoluene	Ave	1.184	1.142		24.1	25.0	-3.5	20.0
tert-Butylbenzene	Ave	0.8997	0.8418		23.4	25.0	-6.4	20.0
1,2,4-Trimethylbenzene	Ave	3.822	3.742		24.5	25.0	-2.1	20.0
sec-Butylbenzene	Ave	4.660	4.503		24.2	25.0	-3.4	20.0
4-Isopropyltoluene	Ave	4.056	3.968		24.5	25.0	-2.2	20.0
1,3-Dichlorobenzene	Ave	2.325	2.275	0.6000	24.5	25.0	-2.2	20.0
1,4-Dichlorobenzene	Ave	2.377	2.327	0.5000	24.5	25.0	-2.1	20.0
n-Butylbenzene	Ave	3.329	3.232		24.3	25.0	-2.9	20.0
1,2-Dichlorobenzene	Ave	2.269	2.215	0.4000	24.4	25.0	-2.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Lab Sample ID: CCVIS 480-358793/3 Calibration Date: 05/23/2017 22:51

Instrument ID: HP5973C Calib Start Date: 05/22/2017 14:55

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 05/22/2017 17:51

Lab File ID: C0146.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	0.1682	0.1600	0.0500	23.8	25.0	-4.9	50.0
1,2,4-Trichlorobenzene	Ave	1.653	1.623	0.2000	24.5	25.0	-1.8	20.0
Hexachlorobutadiene	Ave	0.6015	0.5947		24.7	25.0	-1.1	20.0
Naphthalene	Ave	4.104	4.069		24.8	25.0	-0.8	20.0
1,2,3-Trichlorobenzene	Ave	1.522	1.481		24.3	25.0	-2.7	20.0
Dibromofluoromethane (Surr)	Ave	1.403	1.425		25.4	25.0	1.6	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7862	0.7978		25.4	25.0	1.5	20.0
Toluene-d8 (Surr)	Ave	2.470	2.433		24.6	25.0	-1.5	20.0
4-Bromofluorobenzene (Surr)	Ave	0.8335	0.8473		25.4	25.0	1.7	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20170523-62738.b\C0146.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 23-May-2017 22:51:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0062738-003
Operator ID: RR Instrument ID: HP5973C
Sublist: chrom-C-8260*sub56

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20170523-62738.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 23-May-2017 23:26:15 Calib Date: 22-May-2017 22:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C0117.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: reiler Date: 23-May-2017 23:26:15

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	9.428	9.428	0.000	100	125265	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.835	11.835	0.000	82	304227	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.851	13.851	0.000	93	350012	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.895	8.895	0.000	94	178482	25.0	25.4	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.191	9.191	0.000	99	99940	25.0	25.4	
$ 5 Toluene-d8 (Surr)	98	10.650	10.650	0.000	92	740254	25.0	24.6	
$ 6 4-Bromofluorobenzene (Surr	174	12.784	12.784	0.000	98	257783	25.0	25.4	
10 Dichlorodifluoromethane	85	4.507	4.507	0.000	99	322391	25.0	27.9	
12 Chloromethane	50	4.910	4.910	0.000	98	177159	25.0	23.2	
13 Vinyl chloride	62	5.147	5.147	0.000	98	169606	25.0	25.2	
151 Butadiene	54	5.195	5.195	0.000	89	142183	25.0	24.9	
14 Bromomethane	94	5.740	5.740	0.000	91	207263	25.0	23.5	
15 Chloroethane	64	5.882	5.882	0.000	100	179716	25.0	24.4	
16 Dichlorofluoromethane	67	6.167	6.167	0.000	97	438337	25.0	25.3	
17 Trichlorofluoromethane	101	6.238	6.238	0.000	98	460951	25.0	27.8	
18 Ethyl ether	59	6.547	6.547	0.000	90	207096	25.0	24.2	
20 Acrolein	56	6.772	6.772	0.000	99	172909	125.0	127.8	
21 1,1,2-Trichloro-1,2,2-trif	101	6.819	6.819	0.000	90	260773	25.0	26.7	
22 1,1-Dichloroethene	96	6.879	6.879	0.000	96	256096	25.0	25.8	
23 Acetone	43	6.926	6.926	0.000	100	311805	125.0	119.9	
25 Iodomethane	142	7.104	7.104	0.000	99	486881	25.0	25.5	
26 Carbon disulfide	76	7.199	7.199	0.000	100	848491	25.0	24.9	
27 Methyl acetate	43	7.223	7.223	0.000	97	801479	125.0	119.4	
28 3-Chloro-1-propene	41	7.246	7.246	0.000	91	360021	25.0	23.5	
30 Methylene Chloride	84	7.389	7.389	0.000	90	283639	25.0	26.0	
31 2-Methyl-2-propanol	59	7.400	7.400	0.000	99	277774	250.0	236.9	
32 Methyl tert-butyl ether	73	7.566	7.566	0.000	94	724541	25.0	24.5	
33 Acrylonitrile	53	7.614	7.614	0.000	100	872477	250.0	245.5	
34 trans-1,2-Dichloroethene	96	7.626	7.626	0.000	97	283777	25.0	23.4	
35 Hexane	57	7.792	7.792	0.000	89	341880	25.0	24.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	7.970	7.970	0.000	97	951670	50.0	51.0	
39 1,1-Dichloroethane	63	8.029	8.029	0.000	96	435621	25.0	24.6	
43 2-Butanone (MEK)	43	8.480	8.480	0.000	99	512077	125.0	118.9	
45 cis-1,2-Dichloroethene	96	8.515	8.515	0.000	79	325468	25.0	23.6	
44 2,2-Dichloropropane	77	8.515	8.515	0.000	66	379138	25.0	25.1	
48 Chlorobromomethane	128	8.740	8.740	0.000	89	169743	25.0	25.2	
50 Chloroform	83	8.752	8.752	0.000	93	464725	25.0	24.1	
49 Tetrahydrofuran	42	8.764	8.764	0.000	86	140780	50.0	45.3	
51 1,1,1-Trichloroethane	97	8.942	8.942	0.000	97	415047	25.0	25.8	
52 Cyclohexane	56	8.989	8.989	0.000	93	456306	25.0	25.0	
53 Isobutyl alcohol	43	9.001	9.001	0.000	95	317243	625.0	581.1	
54 1,1-Dichloropropene	75	9.049	9.049	0.000	97	340024	25.0	25.4	
55 Carbon tetrachloride	117	9.072	9.072	0.000	95	384144	25.0	26.5	
57 Benzene	78	9.238	9.238	0.000	95	1055277	25.0	24.6	
58 1,2-Dichloroethane	62	9.250	9.250	0.000	97	342828	25.0	24.9	
59 n-Heptane	43	9.274	9.274	0.000	89	306010	25.0	22.8	
62 Trichloroethene	95	9.713	9.713	0.000	94	288923	25.0	25.2	
64 Methylcyclohexane	83	9.867	9.867	0.000	87	449761	25.0	25.7	
65 1,2-Dichloropropane	63	9.914	9.914	0.000	96	265470	25.0	24.9	
66 1,4-Dioxane	88	9.986	9.986	0.000	90	63583	500.0	509.2	
67 Dibromomethane	93	10.045	10.045	0.000	93	172473	25.0	25.0	
68 Dichlorobromomethane	83	10.116	10.116	0.000	99	323831	25.0	25.4	
69 2-Chloroethyl vinyl ether	63	10.235	10.235	0.000	93	162247	25.0	24.5	
72 cis-1,3-Dichloropropene	75	10.436	10.436	0.000	98	437734	25.0	25.3	
73 4-Methyl-2-pentanone (MIBK	43	10.472	10.472	0.000	94	1158609	125.0	120.3	
74 Toluene	92	10.709	10.709	0.000	99	726029	25.0	24.5	
75 Ethyl methacrylate	69	10.780	10.780	0.000	88	303593	25.0	24.9	
77 trans-1,3-Dichloropropene	75	10.839	10.839	0.000	91	401323	25.0	24.8	
79 1,1,2-Trichloroethane	83	11.029	11.029	0.000	89	210549	25.0	24.5	
80 2-Hexanone	43	11.112	11.112	0.000	94	832173	125.0	118.7	
81 Tetrachloroethene	166	11.160	11.160	0.000	96	358176	25.0	25.0	
82 1,3-Dichloropropane	76	11.171	11.171	0.000	90	424130	25.0	24.2	
83 Chlorodibromomethane	129	11.385	11.385	0.000	89	294715	25.0	25.3	
84 Ethylene Dibromide	107	11.527	11.527	0.000	99	276411	25.0	24.7	
87 Chlorobenzene	112	11.859	11.859	0.000	97	906968	25.0	24.9	
88 Ethylbenzene	91	11.871	11.871	0.000	96	1405249	25.0	24.7	
89 1,1,1,2-Tetrachloroethane	131	11.895	11.895	0.000	95	328380	25.0	25.1	
90 m-Xylene & p-Xylene	106	11.954	11.954	0.000	100	596893	25.0	24.8	
91 o-Xylene	106	12.298	12.298	0.000	95	585595	25.0	24.5	
92 Styrene	104	12.310	12.310	0.000	93	925016	25.0	25.1	
94 Isopropylbenzene	105	12.571	12.571	0.000	95	1497821	25.0	24.4	
95 Bromoform	173	12.583	12.583	0.000	98	181992	25.0	25.8	
97 1,1,2,2-Tetrachloroethane	83	12.855	12.855	0.000	95	334000	25.0	23.8	
98 trans-1,4-Dichloro-2-buten	53	12.879	12.879	0.000	93	95452	25.0	24.8	
99 N-Propylbenzene	91	12.926	12.926	0.000	98	1668209	25.0	24.3	
100 1,2,3-Trichloropropane	110	12.938	12.938	0.000	82	115146	25.0	23.8	
101 Bromobenzene	156	12.974	12.974	0.000	82	417144	25.0	24.7	
102 1,3,5-Trimethylbenzene	105	13.045	13.045	0.000	94	1260522	25.0	24.6	
103 2-Chlorotoluene	126	13.092	13.092	0.000	99	384535	25.0	24.5	
105 4-Chlorotoluene	126	13.175	13.175	0.000	96	399746	25.0	24.1	
106 tert-Butylbenzene	134	13.377	13.377	0.000	89	294642	25.0	23.4	
107 1,2,4-Trimethylbenzene	105	13.413	13.413	0.000	94	1309773	25.0	24.5	

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	13.579	13.579	0.000	93	1576244	25.0	24.2	
110 4-Isopropyltoluene	119	13.674	13.674	0.000	97	1388871	25.0	24.5	
111 1,3-Dichlorobenzene	146	13.804	13.804	0.000	97	796151	25.0	24.5	
113 1,4-Dichlorobenzene	146	13.875	13.875	0.000	96	814441	25.0	24.5	
115 n-Butylbenzene	91	14.089	14.089	0.000	97	1131249	25.0	24.3	
116 1,2-Dichlorobenzene	146	14.302	14.302	0.000	100	775107	25.0	24.4	
117 1,2-Dibromo-3-Chloropropan	75	15.180	15.180	0.000	91	56006	25.0	23.8	
119 1,2,4-Trichlorobenzene	180	16.223	16.223	0.000	95	568165	25.0	24.5	
120 Hexachlorobutadiene	225	16.342	16.342	0.000	98	208143	25.0	24.7	
121 Naphthalene	128	16.662	16.662	0.000	96	1424258	25.0	24.8	
122 1,2,3-Trichlorobenzene	180	17.029	17.029	0.000	96	518414	25.0	24.3	

Reagents:

GAS CORP mix_00221	Amount Added: 12.50	Units: uL	
8260 CORP mix_00099	Amount Added: 12.50	Units: uL	
C_8260_IS_00085	Amount Added: 1.00	Units: uL	Run Reagent
C_8260_Surr_00092	Amount Added: 1.00	Units: uL	Run Reagent

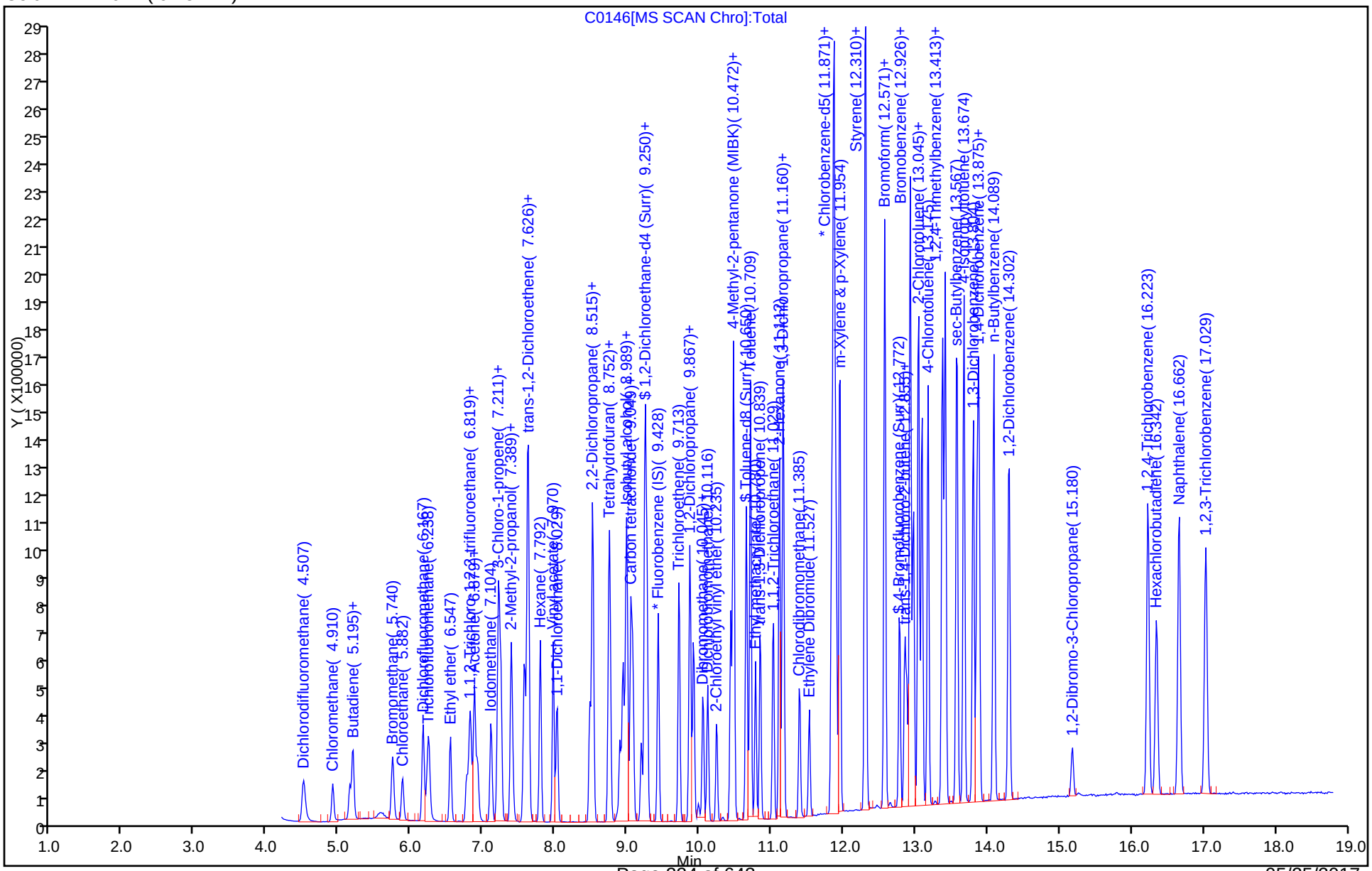
Report Date: 23-May-2017 23:26:17 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20170523-62738.b\C0146.D

Injection Date:	23-May-2017 22:51:30	Instrument ID:	HP5973C	Operator ID:	RR
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Lab Sample ID: CCVIS 480-357930/2 Calibration Date: 05/17/2017 21:20

Instrument ID: HP5973S Calib Start Date: 05/15/2017 22:59

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 05/16/2017 01:41

Lab File ID: S6733.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	1.118	0.4647	0.1000	10.4	25.0	-58.4*	50.0
Chloromethane	Ave	1.271	0.8769	0.1000	17.2	25.0	-31.0*	20.0
Vinyl chloride	Ave	1.196	0.7769	0.1000	16.2	25.0	-35.0*	20.0
Butadiene	Ave	1.199	0.7195		15.0	25.0	-40.0*	20.0
Bromomethane	Ave	0.5651	0.4676	0.1000	20.7	25.0	-17.3	50.0
Chloroethane	Ave	0.6516	0.5268	0.1000	20.2	25.0	-19.2	50.0
Dichlorofluoromethane	Ave	1.324	1.076		20.3	25.0	-18.8	20.0
Trichlorofluoromethane	Ave	1.233	0.9211	0.1000	18.7	25.0	-25.3*	20.0
Ethyl ether	Ave	0.9704	0.9778		25.2	25.0	0.8	20.0
Acrolein	Ave	0.2063	0.1852		112	125	-10.3	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.035	0.6388	0.1000	15.4	25.0	-38.3*	20.0
1,1-Dichloroethene	Ave	1.206	0.8111	0.1000	16.8	25.0	-32.8*	20.0
Acetone	Ave	0.3910	0.4118	0.1000	132	125	5.3	50.0
Iodomethane	Ave	1.732	1.558		22.5	25.0	-10.0	20.0
Carbon disulfide	Ave	2.877	2.222	0.1000	19.3	25.0	-22.8*	20.0
Allyl chloride	Ave	1.399	1.328		23.7	25.0	-5.1	20.0
Methyl acetate	Ave	0.9290	0.9397	0.1000	126	125	1.2	50.0
Methylene Chloride	Ave	1.183	1.080	0.1000	22.8	25.0	-8.7	20.0
2-Methyl-2-propanol	Ave	0.1286	0.1482		288	250	15.2	50.0
Methyl tert-butyl ether	Ave	3.269	3.253	0.1000	24.9	25.0	-0.5	20.0
trans-1,2-Dichloroethene	Ave	1.173	1.059	0.1000	22.6	25.0	-9.7	20.0
Acrylonitrile	Ave	0.4765	0.5026		264	250	5.5	20.0
Hexane	Ave	1.748	1.180		16.9	25.0	-32.5*	20.0
1,1-Dichloroethane	Ave	2.012	1.800	0.2000	22.4	25.0	-10.5	20.0
Vinyl acetate	Ave	2.461	2.477		50.3	50.0	0.6	20.0
2,2-Dichloropropane	Ave	0.7861	0.6101		19.4	25.0	-22.4*	20.0
cis-1,2-Dichloroethene	Ave	1.347	1.242	0.1000	23.0	25.0	-7.8	20.0
2-Butanone (MEK)	Ave	0.6021	0.6217	0.1000	129	125	3.3	20.0
Chlorobromomethane	Ave	0.6427	0.6240		24.3	25.0	-2.9	20.0
Tetrahydrofuran	Ave	0.4162	0.3884		46.7	50.0	-6.7	20.0
Chloroform	Ave	2.017	1.861	0.2000	23.1	25.0	-7.8	20.0
1,1,1-Trichloroethane	Ave	1.225	1.083	0.1000	22.1	25.0	-11.6	20.0
Cyclohexane	Ave	1.912	1.269	0.1000	16.6	25.0	-33.6*	20.0
Carbon tetrachloride	Ave	1.115	1.078	0.1000	24.2	25.0	-3.4	20.0
1,1-Dichloropropene	Ave	1.503	1.166		19.4	25.0	-22.4*	20.0
Benzene	Ave	4.594	4.296	0.5000	23.4	25.0	-6.5	20.0
Isobutyl alcohol	Ave	0.0577	0.0598		648	625	3.6	50.0
1,2-Dichloroethane	Ave	1.557	1.570	0.1000	25.2	25.0	0.8	20.0
n-Heptane	Ave	1.730	1.248		18.0	25.0	-27.8*	20.0
Trichloroethene	Ave	1.191	1.027	0.2000	21.5	25.0	-13.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Lab Sample ID: CCVIS 480-357930/2 Calibration Date: 05/17/2017 21:20

Instrument ID: HP5973S Calib Start Date: 05/15/2017 22:59

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 05/16/2017 01:41

Lab File ID: S6733.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	1.921	1.315	0.1000	17.1	25.0	-31.6*	20.0
1,2-Dichloropropane	Ave	1.157	1.104	0.1000	23.8	25.0	-4.6	20.0
Dibromomethane	Ave	0.7541	0.7485	0.1000	24.8	25.0	-0.8	20.0
1,4-Dioxane	Ave	0.0074	0.0081		546	500	9.2	50.0
Bromodichloromethane	Ave	1.316	1.327	0.2000	25.2	25.0	0.9	20.0
2-Chloroethyl vinyl ether	Ave	0.7602	0.7614		25.0	25.0	0.2	20.0
cis-1,3-Dichloropropene	Ave	1.734	1.649	0.2000	23.8	25.0	-4.9	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.5763	0.6005	0.1000	130	125	4.2	20.0
Toluene	Ave	1.502	1.360	0.4000	22.6	25.0	-9.5	20.0
trans-1,3-Dichloropropene	Ave	0.7629	0.7754	0.1000	25.4	25.0	1.6	20.0
Ethyl methacrylate	Ave	0.6985	0.6926		24.8	25.0	-0.8	20.0
1,1,2-Trichloroethane	Ave	0.4142	0.4251	0.1000	25.7	25.0	2.6	20.0
Tetrachloroethene	Ave	0.6265	0.5202	0.2000	20.8	25.0	-17.0	20.0
1,3-Dichloropropane	Ave	0.9030	0.9083		25.1	25.0	0.6	20.0
2-Hexanone	Ave	0.3971	0.4214	0.1000	133	125	6.1	20.0
Dibromochloromethane	Ave	0.4921	0.5159	0.1000	26.2	25.0	4.8	20.0
1,2-Dibromoethane	Ave	0.5359	0.5501		25.7	25.0	2.7	20.0
Chlorobenzene	Ave	1.664	1.551	0.5000	23.3	25.0	-6.8	20.0
Ethylbenzene	Ave	2.705	2.429	0.1000	22.5	25.0	-10.2	20.0
1,1,1,2-Tetrachloroethane	Ave	0.5303	0.5579		26.3	25.0	5.2	20.0
m,p-Xylene	Ave	1.097	0.9784	0.1000	22.3	25.0	-10.8	20.0
o-Xylene	Ave	1.052	0.9908	0.3000	23.5	25.0	-5.8	20.0
Styrene	Ave	1.758	1.711	0.3000	24.3	25.0	-2.7	20.0
Bromoform	Lin1		0.3119	0.1000	22.3	25.0	-11.0	50.0
Isopropylbenzene	Ave	2.792	2.494	0.1000	22.3	25.0	-10.7	20.0
Bromobenzene	Ave	0.7442	0.7114		23.9	25.0	-4.4	20.0
1,1,2,2-Tetrachloroethane	Ave	0.6711	0.6862	0.3000	25.6	25.0	2.3	20.0
1,2,3-Trichloropropane	Ave	0.2244	0.2264		25.2	25.0	0.9	20.0
N-Propylbenzene	Ave	3.184	2.866		22.5	25.0	-10.0	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1965	0.1827		23.2	25.0	-7.0	50.0
2-Chlorotoluene	Ave	0.6877	0.6355		23.1	25.0	-7.6	20.0
1,3,5-Trimethylbenzene	Ave	2.333	2.183		23.4	25.0	-6.4	20.0
4-Chlorotoluene	Ave	0.7166	0.6778		23.6	25.0	-5.4	20.0
tert-Butylbenzene	Ave	0.5663	0.4984		22.0	25.0	-12.0	20.0
1,2,4-Trimethylbenzene	Ave	2.404	2.319		24.1	25.0	-3.6	20.0
sec-Butylbenzene	Ave	3.054	2.729		22.3	25.0	-10.6	20.0
1,3-Dichlorobenzene	Ave	1.372	1.370	0.6000	25.0	25.0	-0.1	20.0
4-Isopropyltoluene	Ave	2.574	2.373		23.0	25.0	-7.8	20.0
1,4-Dichlorobenzene	Ave	1.427	1.376	0.5000	24.1	25.0	-3.6	20.0
n-Butylbenzene	Ave	2.344	2.108		22.5	25.0	-10.1	20.0
1,2-Dichlorobenzene	Ave	1.352	1.348	0.4000	24.9	25.0	-0.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Lab Sample ID: CCVIS 480-357930/2 Calibration Date: 05/17/2017 21:20

Instrument ID: HP5973S Calib Start Date: 05/15/2017 22:59

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 05/16/2017 01:41

Lab File ID: S6733.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	0.1121	0.1238	0.0500	27.6	25.0	10.4	50.0
1,2,4-Trichlorobenzene	Ave	1.052	0.9524	0.2000	22.6	25.0	-9.5	20.0
Hexachlorobutadiene	Ave	0.4917	0.4078		20.7	25.0	-17.1	20.0
Naphthalene	Ave	2.613	2.687		25.7	25.0	2.8	20.0
1,2,3-Trichlorobenzene	Ave	0.9397	0.9069		24.1	25.0	-3.5	20.0
Dibromofluoromethane (Surr)	Ave	1.230	1.239		25.2	25.0	0.7	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7561	0.7671		25.4	25.0	1.4	20.0
Toluene-d8 (Surr)	Ave	2.462	2.427		24.7	25.0	-1.4	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7476	0.7588		25.4	25.0	1.5	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20170517-62599.b\S6733.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 17-May-2017 21:20:30 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0062599-002
Operator ID: AS Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20170517-62599.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 17-May-2017 22:04:21 Calib Date: 16-May-2017 05:55:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20170515-62534.b\S6652.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: sonkera Date: 17-May-2017 22:04:21

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	5.546	5.546	0.000	99	148748	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.552	8.552	0.000	84	294570	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.924	10.924	0.000	55	283015	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.956	4.956	0.000	82	184333	25.0	25.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.266	5.266	0.000	0	114104	25.0	25.4	
$ 5 Toluene-d8 (Surr)	98	7.067	7.067	0.000	90	715018	25.0	24.7	
$ 6 4-Bromofluorobenzene (Surr	174	9.799	9.799	0.000	90	223526	25.0	25.4	
10 Dichlorodifluoromethane	85	1.306	1.306	0.000	96	69122	25.0	10.4	
12 Chloromethane	50	1.464	1.464	0.000	100	130431	25.0	17.2	
13 Vinyl chloride	62	1.574	1.574	0.000	99	115568	25.0	16.2	
151 Butadiene	54	1.604	1.604	0.000	93	107030	25.0	15.0	
14 Bromomethane	94	1.884	1.884	0.000	90	69552	25.0	20.7	
15 Chloroethane	64	2.006	2.006	0.000	94	78362	25.0	20.2	
16 Dichlorofluoromethane	67	2.231	2.231	0.000	82	160029	25.0	20.3	
17 Trichlorofluoromethane	101	2.261	2.261	0.000	76	137004	25.0	18.7	
18 Ethyl ether	59	2.523	2.523	0.000	92	145438	25.0	25.2	
20 Acrolein	56	2.699	2.699	0.000	92	137702	125.0	112.2	
21 1,1,2-Trichloro-1,2,2-trif	101	2.754	2.754	0.000	61	95013	25.0	15.4	
22 1,1-Dichloroethene	96	2.760	2.760	0.000	93	120645	25.0	16.8	
23 Acetone	43	2.863	2.863	0.000	100	306235	125.0	131.7	
25 Iodomethane	142	2.936	2.936	0.000	98	231821	25.0	22.5	
26 Carbon disulfide	76	2.985	2.985	0.000	99	330514	25.0	19.3	
28 3-Chloro-1-propene	41	3.119	3.119	0.000	82	197607	25.0	23.7	
27 Methyl acetate	43	3.168	3.168	0.000	96	698913	125.0	126.4	
30 Methylene Chloride	84	3.295	3.295	0.000	90	160646	25.0	22.8	
31 2-Methyl-2-propanol	59	3.435	3.435	0.000	95	220453	250.0	288.1	
32 Methyl tert-butyl ether	73	3.490	3.490	0.000	88	483833	25.0	24.9	
34 trans-1,2-Dichloroethene	96	3.502	3.502	0.000	73	157471	25.0	22.6	
33 Acrylonitrile	53	3.551	3.551	0.000	98	747611	250.0	263.7	
35 Hexane	57	3.709	3.709	0.000	93	175449	25.0	16.9	

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	3.928	3.928	0.000	97	267791	25.0	22.4	
37 Vinyl acetate	43	3.983	3.983	0.000	98	736748	50.0	50.3	
44 2,2-Dichloropropane	77	4.451	4.451	0.000	92	90753	25.0	19.4	
45 cis-1,2-Dichloroethene	96	4.488	4.488	0.000	81	184766	25.0	23.0	
43 2-Butanone (MEK)	43	4.518	4.518	0.000	94	462393	125.0	129.1	
48 Chlorobromomethane	128	4.725	4.725	0.000	95	92815	25.0	24.3	
49 Tetrahydrofuran	42	4.749	4.749	0.000	88	115550	50.0	46.7	
50 Chloroform	83	4.798	4.798	0.000	84	276782	25.0	23.1	
51 1,1,1-Trichloroethane	97	4.926	4.926	0.000	91	161089	25.0	22.1	
52 Cyclohexane	56	4.938	4.938	0.000	91	188791	25.0	16.6	
55 Carbon tetrachloride	117	5.060	5.060	0.000	90	160339	25.0	24.2	
54 1,1-Dichloropropene	75	5.072	5.072	0.000	92	173498	25.0	19.4	
53 Isobutyl alcohol	43	5.279	5.279	0.000	56	222304	625.0	647.7	
57 Benzene	78	5.279	5.279	0.000	96	639031	25.0	23.4	
58 1,2-Dichloroethane	62	5.339	5.339	0.000	77	233607	25.0	25.2	
59 n-Heptane	43	5.467	5.467	0.000	91	185664	25.0	18.0	
62 Trichloroethene	95	5.893	5.893	0.000	94	152713	25.0	21.5	
64 Methylcyclohexane	83	6.021	6.021	0.000	89	195618	25.0	17.1	
65 1,2-Dichloropropane	63	6.130	6.130	0.000	91	164182	25.0	23.8	
67 Dibromomethane	93	6.264	6.264	0.000	91	111332	25.0	24.8	
66 1,4-Dioxane	88	6.282	6.282	0.000	65	47716	500.0	545.9	M
68 Dichlorobromomethane	83	6.416	6.416	0.000	97	197423	25.0	25.2	
69 2-Chloroethyl vinyl ether	63	6.696	6.696	0.000	90	113261	25.0	25.0	
72 cis-1,3-Dichloropropene	75	6.842	6.842	0.000	88	245347	25.0	23.8	
73 4-Methyl-2-pentanone (MIBK	43	6.982	6.982	0.000	96	884476	125.0	130.3	
74 Toluene	92	7.134	7.134	0.000	95	400499	25.0	22.6	
77 trans-1,3-Dichloropropene	75	7.402	7.402	0.000	96	228419	25.0	25.4	
75 Ethyl methacrylate	69	7.450	7.450	0.000	71	204012	25.0	24.8	
79 1,1,2-Trichloroethane	83	7.590	7.590	0.000	92	125214	25.0	25.7	
81 Tetrachloroethene	166	7.669	7.669	0.000	88	153239	25.0	20.8	
82 1,3-Dichloropropane	76	7.755	7.755	0.000	93	267565	25.0	25.1	
80 2-Hexanone	43	7.822	7.822	0.000	94	620636	125.0	132.6	
83 Chlorodibromomethane	129	7.992	7.992	0.000	90	151963	25.0	26.2	
84 Ethylene Dibromide	107	8.101	8.101	0.000	95	162030	25.0	25.7	
87 Chlorobenzene	112	8.582	8.582	0.000	93	456958	25.0	23.3	
88 Ethylbenzene	91	8.673	8.673	0.000	98	715609	25.0	22.5	
89 1,1,1,2-Tetrachloroethane	131	8.679	8.679	0.000	47	164331	25.0	26.3	
90 m-Xylene & p-Xylene	106	8.795	8.795	0.000	0	288196	25.0	22.3	
91 o-Xylene	106	9.221	9.221	0.000	97	291862	25.0	23.5	
92 Styrene	104	9.251	9.251	0.000	96	503893	25.0	24.3	
95 Bromoform	173	9.494	9.494	0.000	94	91879	25.0	22.3	
94 Isopropylbenzene	105	9.604	9.604	0.000	95	705819	25.0	22.3	
101 Bromobenzene	156	9.945	9.945	0.000	95	201340	25.0	23.9	
97 1,1,2,2-Tetrachloroethane	83	9.993	9.993	0.000	88	194211	25.0	25.6	
100 1,2,3-Trichloropropane	110	10.024	10.024	0.000	49	64083	25.0	25.2	
99 N-Propylbenzene	91	10.030	10.030	0.000	98	811232	25.0	22.5	
98 trans-1,4-Dichloro-2-buten	53	10.036	10.036	0.000	38	51698	25.0	23.2	
103 2-Chlorotoluene	126	10.133	10.133	0.000	97	179851	25.0	23.1	
102 1,3,5-Trimethylbenzene	105	10.206	10.206	0.000	92	617803	25.0	23.4	
105 4-Chlorotoluene	126	10.243	10.243	0.000	95	191824	25.0	23.6	
106 tert-Butylbenzene	134	10.517	10.517	0.000	91	141067	25.0	22.0	
107 1,2,4-Trimethylbenzene	105	10.571	10.571	0.000	61	656284	25.0	24.1	

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	10.729	10.729	0.000	93	772405	25.0	22.3	
111 1,3-Dichlorobenzene	146	10.857	10.857	0.000	89	387631	25.0	25.0	
110 4-Isopropyltoluene	119	10.863	10.863	0.000	96	671553	25.0	23.0	
113 1,4-Dichlorobenzene	146	10.948	10.948	0.000	95	389362	25.0	24.1	
115 n-Butylbenzene	91	11.247	11.247	0.000	98	596564	25.0	22.5	
116 1,2-Dichlorobenzene	146	11.295	11.295	0.000	92	381451	25.0	24.9	
117 1,2-Dibromo-3-Chloropropan	75	12.019	12.019	0.000	76	35033	25.0	27.6	
119 1,2,4-Trichlorobenzene	180	12.694	12.694	0.000	94	269542	25.0	22.6	
120 Hexachlorobutadiene	225	12.810	12.810	0.000	96	115400	25.0	20.7	
121 Naphthalene	128	12.907	12.907	0.000	97	760326	25.0	25.7	
122 1,2,3-Trichlorobenzene	180	13.108	13.108	0.000	94	256660	25.0	24.1	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00098	Amount Added:	12.50	Units: uL	
GAS CORP mix_00220	Amount Added:	12.50	Units: uL	
S_8260_IS_00230	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00198	Amount Added:	1.00	Units: uL	Run Reagent

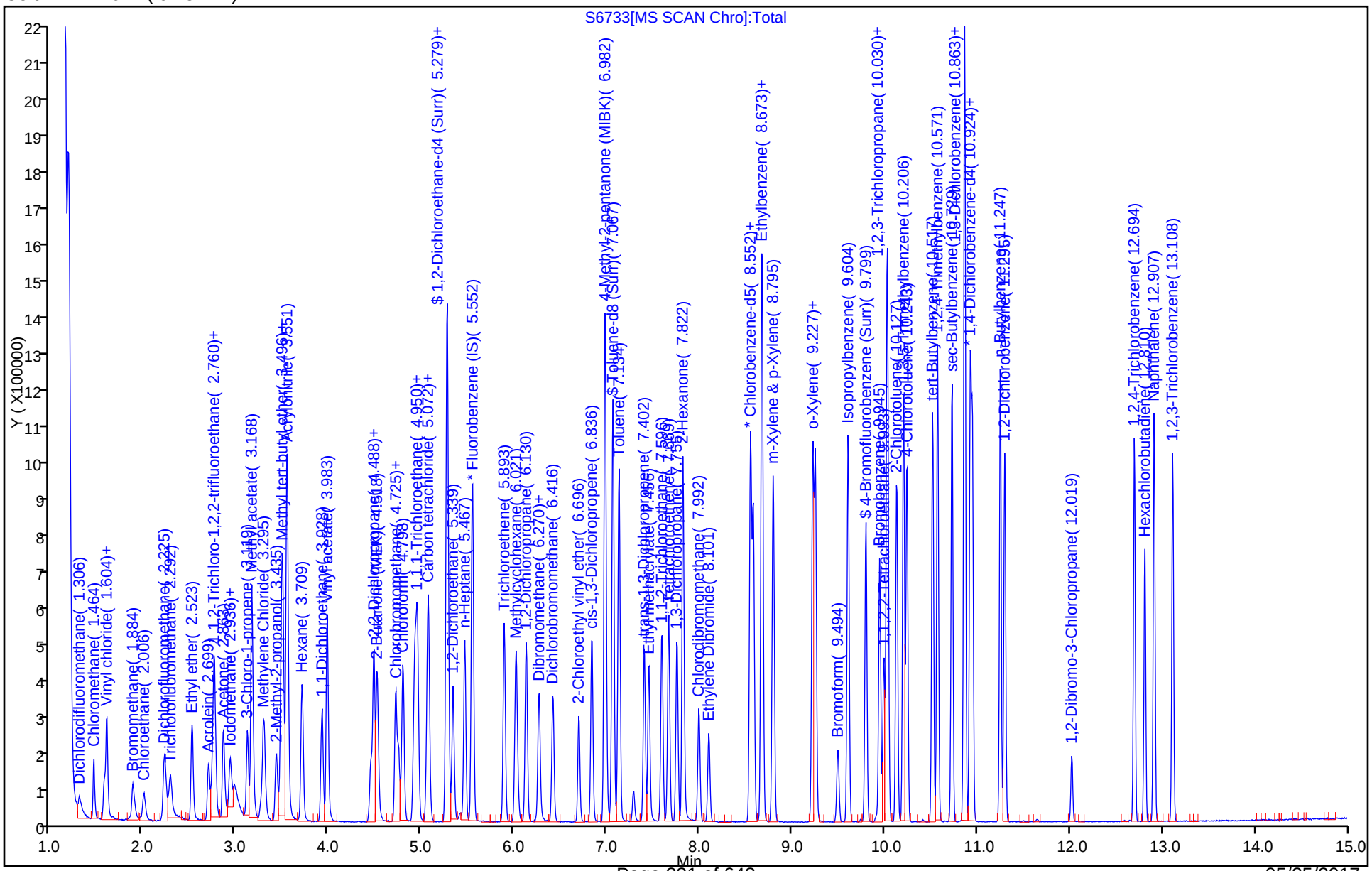
Report Date: 17-May-2017 22:04:22 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20170517-62599.b\S6733.D

Injection Date:	17-May-2017 21:20:30	Instrument ID:	HP5973S	Operator ID:	AS
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

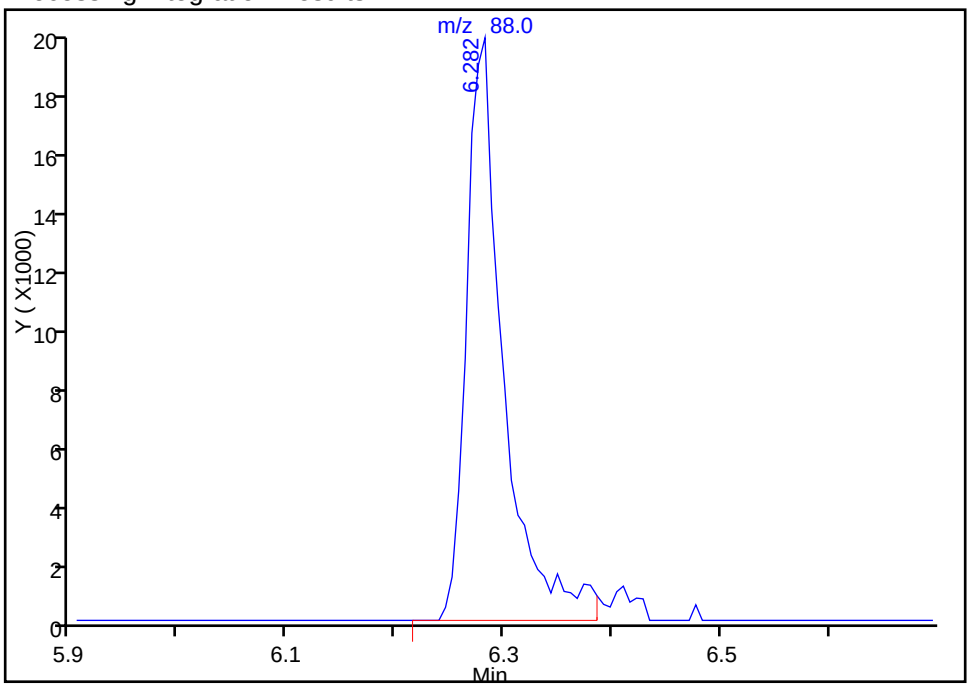
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Injection Date: 17-May-2017 21:20:30 Instrument ID: HP5973S
Lims ID: CCVIS
Client ID:
Operator ID: AS ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

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

Signal: 1

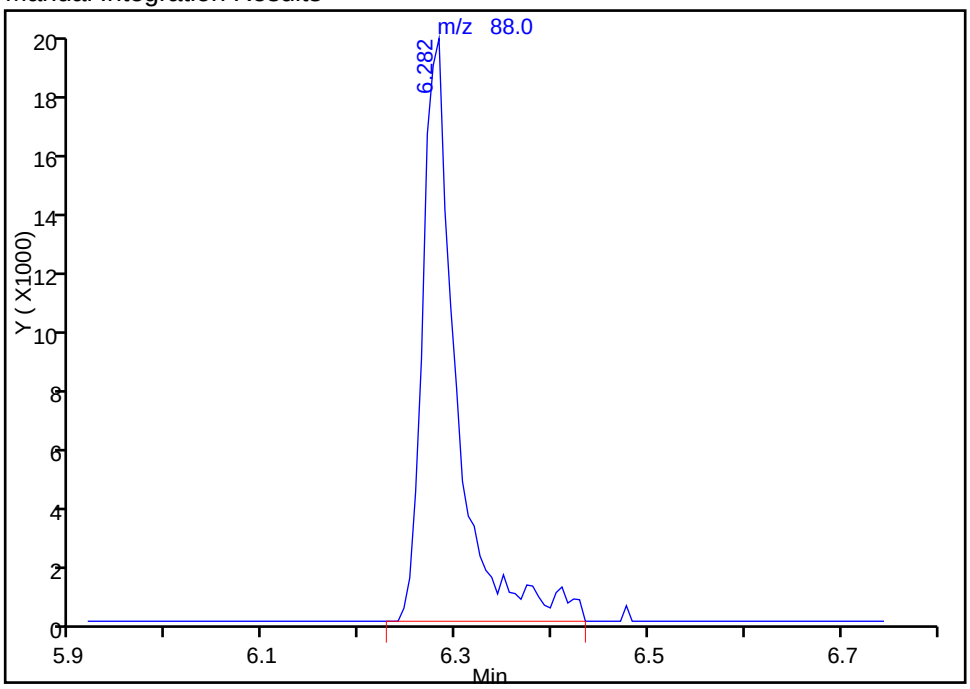
Processing Integration Results

RT: 6.28
Area: 45847
Amount: 524.4886
Amount Units: ug/L



Manual Integration Results

RT: 6.28
Area: 47716
Amount: 545.8700
Amount Units: ug/L



Reviewer: sonkera, 17-May-2017 21:49:10
Audit Action: Manually Integrated Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C0097.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	22-May-2017 13:56:30	ALS Bottle#:	7	Worklist Smp#:	6
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0062694-006				
Operator ID:	LH	Instrument ID:	HP5973C		
Method:	\\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	23-May-2017 17:47:10	Calib Date:	22-May-2017 22:36:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C0117.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK022				
First Level Reviewer: reiler		Date:	23-May-2017 17:47:10		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	9.538	9.538	0.000	0	92870	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

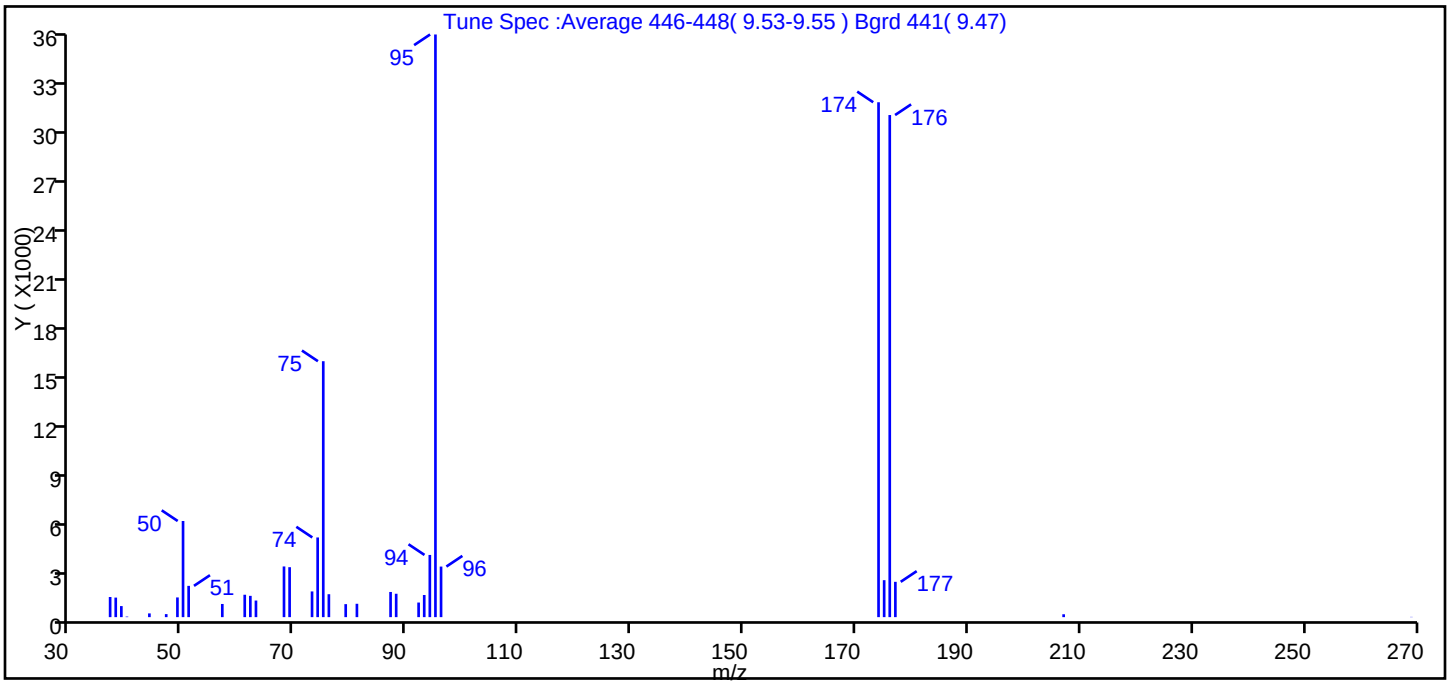
BFB_WRK_00061 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C0097.D
Injection Date: 22-May-2017 13:56:30 Instrument ID: HP5973C
Lims ID: BFB
Client ID:
Operator ID: LH ALS Bottle#: 7 Worklist Smp#: 6
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	16.5
75	30 to 60% of m/z 95	43.9
96	5 to 9% of m/z 95	8.7
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	88.4
175	5 to 9% of m/z 174	6.3 (7.2)
176	Greater than 95% but less than 101% of m/z 174	86.2 (97.5)
177	5 to 9% of m/z 176	6.1 (7.0)

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C0097.D\C-8260.rslt\spectra.d
Injection Date: 22-May-2017 13:56:30
Spectrum: Tune Spec :Average 446-448(9.53-9.55) Bgrd 441(9.47)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 34

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	1222	57.00	799	76.00	1391	96.00	3069
38.00	1186	61.00	1359	79.00	789	174.00	31240
39.00	671	62.00	1292	81.00	811	175.00	2243
40.00	34	63.00	1007	87.00	1527	176.00	30464
44.00	227	68.00	3075	88.00	1419	177.00	2143
47.00	184	69.00	3031	92.00	886	207.00	175
49.00	1196	73.00	1560	93.00	1343	269.00	15
50.00	5833	74.00	4835	94.00	3774		
51.00	1898	75.00	15528	95.00	35352		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973C\20170523-62738.b\C0145.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	23-May-2017 22:23:30	ALS Bottle#:	1	Worklist Smp#:	2
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0062738-002				
Operator ID:	RR	Instrument ID:	HP5973C		
Method:	\\ChromNA\Buffalo\ChromData\HP5973C\20170523-62738.b\C-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	23-May-2017 22:45:32	Calib Date:	22-May-2017 22:36:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C0117.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK022				
First Level Reviewer: reiler		Date:	23-May-2017 22:45:31		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	9.526	9.526	0.000	0	129074	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

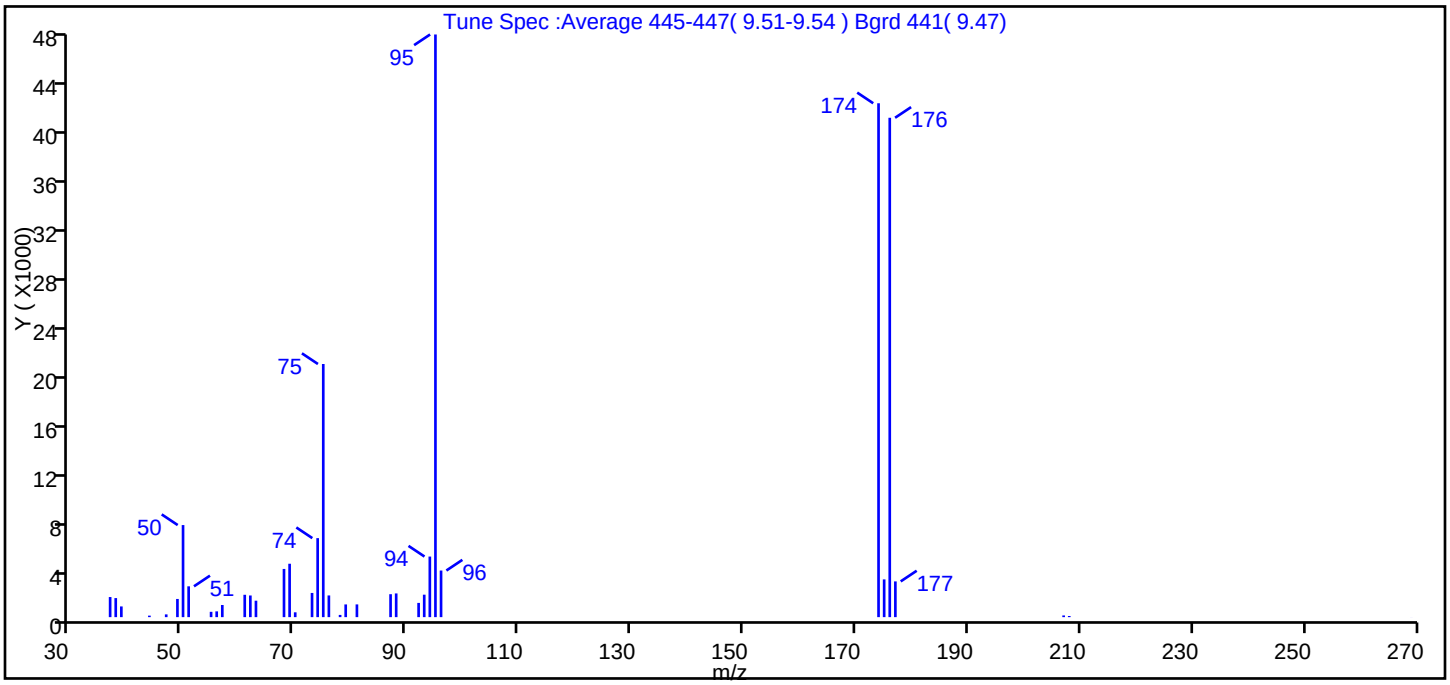
BFB_WRK_00061 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20170523-62738.b\C0145.D
Injection Date: 23-May-2017 22:23:30 Instrument ID: HP5973C
Lims ID: BFB
Client ID:
Operator ID: RR ALS Bottle#: 1 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	15.8
75	30 to 60% of m/z 95	43.4
96	5 to 9% of m/z 95	8.0
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	88.2
175	5 to 9% of m/z 174	6.5 (7.3)
176	Greater than 95% but less than 101% of m/z 174	85.7 (97.2)
177	5 to 9% of m/z 176	6.1 (7.2)

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20170523-62738.b\C0145.D\C-8260.rslt\spectra.d
Injection Date: 23-May-2017 22:23:30
Spectrum: Tune Spec :Average 445-447(9.51-9.54) Bgrd 441(9.47)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 38

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	1630	57.00	984	76.00	1759	96.00	3779
38.00	1545	61.00	1812	78.00	180	174.00	41656
39.00	868	62.00	1756	79.00	1031	175.00	3060
44.00	123	63.00	1333	81.00	1033	176.00	40480
47.00	224	68.00	3907	87.00	1860	177.00	2897
49.00	1474	69.00	4329	88.00	1922	207.00	137
50.00	7464	70.00	391	92.00	1154	208.00	92
51.00	2499	73.00	1961	93.00	1821	269.00	3
55.00	432	74.00	6405	94.00	4911		
56.00	469	75.00	20520	95.00	47232		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973S\20170515-62534.b\S6632.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	15-May-2017 22:12:30	ALS Bottle#:	37	Worklist Smp#:	2
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0062534-002				
Operator ID:	SO	Instrument ID:	HP5973S		
Method:	\\ChromNA\Buffalo\ChromData\HP5973S\20170515-62534.b\S-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	16-May-2017 13:45:59	Calib Date:	16-May-2017 05:55:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973S\20170515-62534.b\S6652.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK039				
First Level Reviewer: o'briens		Date:	15-May-2017 22:21:31		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	3.875	3.875	0.000	0	316692	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

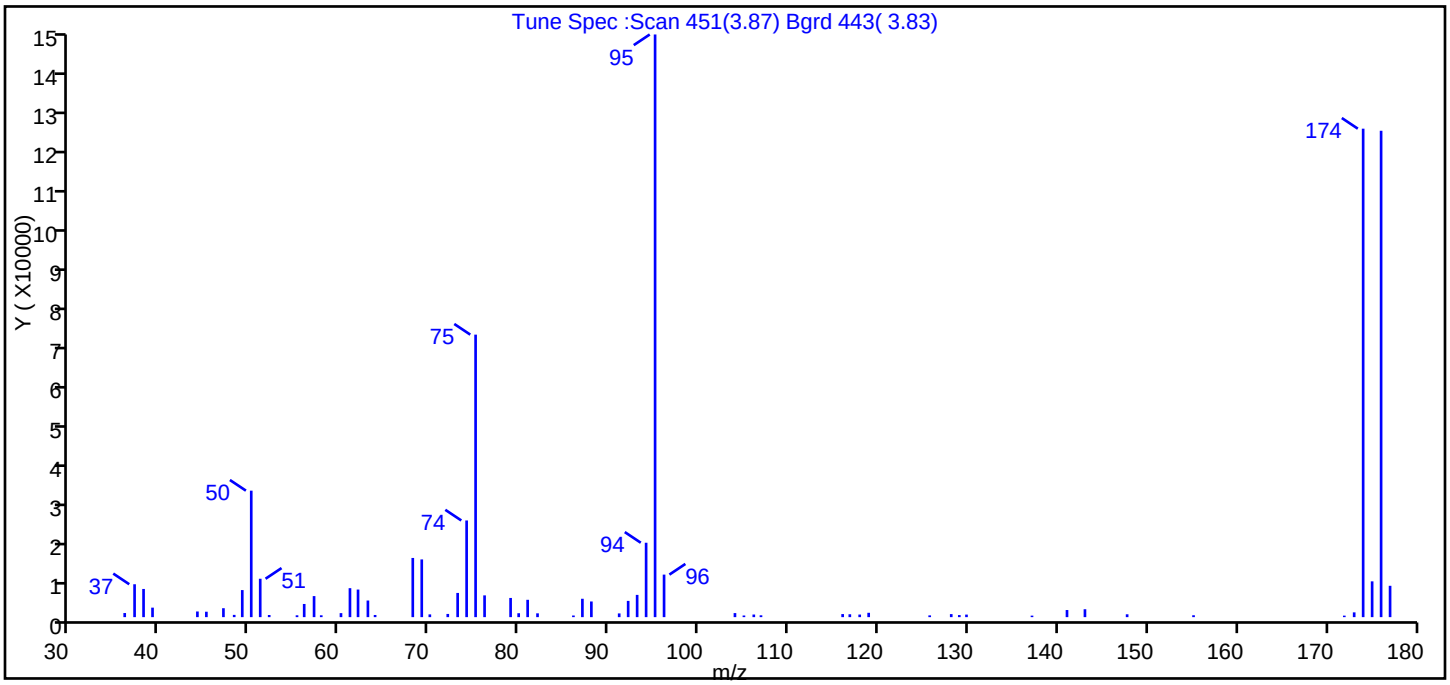
BFB_WRK_00060 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20170515-62534.b\S6632.D
Injection Date: 15-May-2017 22:12:30 Instrument ID: HP5973S
Lims ID: BFB
Client ID:
Operator ID: SO ALS Bottle#: 37 Worklist Smp#: 2
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: S-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	21.7
75	30 to 60% of m/z 95	48.5
96	5 to 9% of m/z 95	7.3
173	Less than 2% of m/z 174	0.8 (1.0)
174	50 to 120% of m/z 95	83.8
175	5 to 9% of m/z 174	6.1 (7.3)
176	Greater than 95% but less than 101% of m/z 174	83.5 (99.6)
177	5 to 9% of m/z 176	5.4 (6.4)

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20170515-62534.b\S6632.D\S-8260.rslt\spectra.d
Injection Date: 15-May-2017 22:12:30
Spectrum: Tune Spec :Scan 451(3.87) Bgrd 443(3.83)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 65

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1026	61.10	7222	87.00	4584	128.10	758
37.10	8202	62.00	6880	88.00	3907	129.00	518
38.10	7029	63.10	4145	91.10	929	129.80	635
39.10	2369	63.90	538	92.10	4052	137.10	380
44.10	1412	68.10	14759	93.10	5548	141.00	1775
45.10	1352	69.10	14392	94.10	18552	143.00	1973
47.00	2227	70.00	688	95.10	145280	147.70	712
48.20	564	72.00	801	96.10	10607	155.10	472
49.10	6747	73.10	6035	104.00	1013	171.90	378
50.10	31536	74.10	24104	105.00	410	173.00	1193
51.10	9575	75.10	70440	106.10	653	174.00	121792
52.10	533	76.10	5427	106.90	460	175.00	8924
55.20	461	79.00	4786	116.00	767	176.00	121272
56.00	3285	79.90	977	116.80	717	177.00	7816
57.10	5248	80.90	4324	117.90	646		
57.90	461	82.00	951	118.90	1086		
60.10	1001	86.00	409	125.70	439		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973S\20170517-62599.b\S6732.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	17-May-2017 20:55:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0062599-001				
Operator ID:	AS	Instrument ID:	HP5973S		
Method:	\\ChromNA\Buffalo\ChromData\HP5973S\20170517-62599.b\S-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	17-May-2017 21:04:20	Calib Date:	16-May-2017 05:55:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973S\20170515-62534.b\S6652.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK027				
First Level Reviewer: sonkera		Date:	17-May-2017 21:04:20		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	3.838	3.838	0.000	0	115387	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

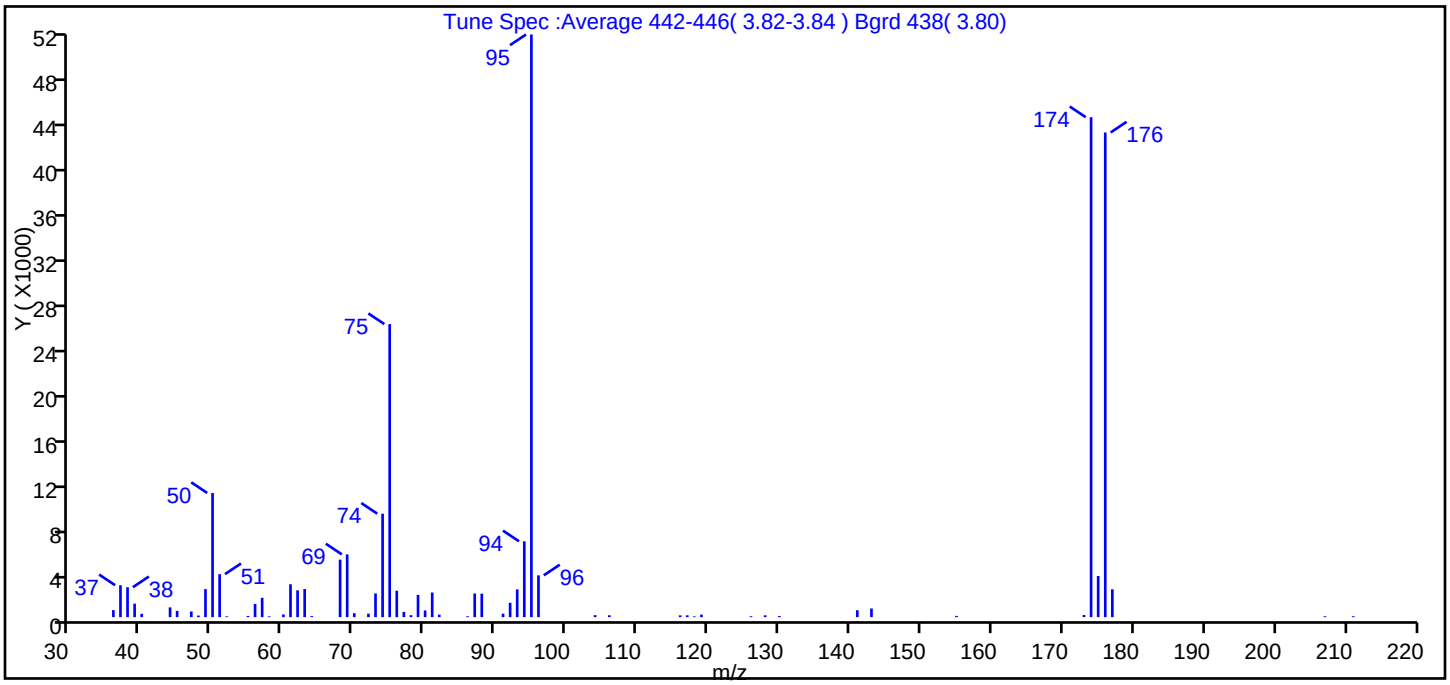
BFB_WRK_00061 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20170517-62599.b\S6732.D
Injection Date: 17-May-2017 20:55:30 Instrument ID: HP5973S
Lims ID: BFB
Client ID:
Operator ID: AS ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: S-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	21.3
75	30 to 60% of m/z 95	50.3
96	5 to 9% of m/z 95	7.2
173	Less than 2% of m/z 174	0.4 (0.4)
174	50 to 120% of m/z 95	85.8
175	5 to 9% of m/z 174	7.1 (8.2)
176	Greater than 95% but less than 101% of m/z 174	83.2 (96.9)
177	5 to 9% of m/z 176	4.8 (5.7)

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20170517-62599.b\S6732.D\S-8260.rslt\spectra.d
Injection Date: 17-May-2017 20:55:30
Spectrum: Tune Spec :Average 442-446(3.82-3.84) Bgrd 438(3.80)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 64

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	619	58.00	70	79.00	1958	117.00	163
37.00	2806	60.00	232	80.00	589	118.00	70
38.00	2632	61.00	2892	81.00	2165	119.00	222
39.00	1186	62.00	2358	82.00	211	126.00	80
40.00	293	63.00	2469	86.00	79	128.00	163
44.00	858	64.00	91	87.00	2076	130.00	104
45.00	554	68.00	5054	88.00	2064	141.00	609
47.00	501	69.00	5516	91.00	305	143.00	760
48.00	140	70.00	347	92.00	1261	155.00	111
49.00	2466	72.00	306	93.00	2436	173.00	186
50.00	10914	73.00	2085	94.00	6667	174.00	43944
51.00	3779	74.00	9094	95.00	51216	175.00	3618
52.00	71	75.00	25760	96.00	3675	176.00	42600
55.00	102	76.00	2325	104.00	177	177.00	2449
56.00	1160	77.00	464	106.00	164	207.00	78
57.00	1700	78.00	173	116.00	157	211.00	80

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-357930/6

Matrix: Water | Lab File ID: S6737.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 05/17/2017 23:23

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.: 357930 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-357930/6

Matrix: Water | Lab File ID: S6737.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 05/17/2017 23:23

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.: 357930 | Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		77-120
2037-26-5	Toluene-d8 (Surr)	101		80-120
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
1868-53-7	Dibromofluoromethane (Surr)	99		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20170517-62599.b\S6737.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 17-May-2017 23:23:30 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0062599-006
Operator ID: AS Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20170517-62599.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 17-May-2017 23:54:48 Calib Date: 16-May-2017 05:55:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20170515-62534.b\S6652.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: sonkera Date: 17-May-2017 23:54:48

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	5.552	5.546	0.006	99	145037	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.552	8.551	0.001	85	282349	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.924	10.924	0.000	97	275710	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.956	4.956	0.000	57	175899	25.0	24.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.266	5.266	0.000	0	117150	25.0	26.7	
$ 5 Toluene-d8 (Surr)	98	7.067	7.067	0.000	93	699525	25.0	25.2	
$ 6 4-Bromofluorobenzene (Surr	174	9.799	9.799	0.000	91	215705	25.0	25.5	
10 Dichlorodifluoromethane	85		1.306					ND	
11 Chlorodifluoromethane	51		1.330					ND	
12 Chloromethane	50		1.464					ND	
13 Vinyl chloride	62		1.574					ND	
151 Butadiene	54		1.604					ND	
14 Bromomethane	94		1.884					ND	
15 Chloroethane	64		2.006					ND	
16 Dichlorofluoromethane	67		2.231					ND	
17 Trichlorofluoromethane	101		2.261					ND	
148 Ethanol	45		2.517					ND	
18 Ethyl ether	59		2.523					ND	
19 Propene oxide	58		2.608					ND	
20 Acrolein	56		2.699					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.754					ND	
22 1,1-Dichloroethene	96		2.760					ND	
23 Acetone	43		2.863					ND	
25 Iodomethane	142		2.936					ND	
26 Carbon disulfide	76		2.985					ND	
24 Isopropyl alcohol	45		3.046					ND	
28 3-Chloro-1-propene	41		3.119					ND	
29 Acetonitrile	40		3.168					ND	
27 Methyl acetate	43		3.168					ND	
30 Methylene Chloride	84	3.295	3.295	0.000	30	1563		0.2277	
31 2-Methyl-2-propanol	59		3.435					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		3.490					ND	
34 trans-1,2-Dichloroethene	96		3.502					ND	
33 Acrylonitrile	53		3.551					ND	
35 Hexane	57		3.709					ND	
139 Halothane	117		3.822					ND	
39 1,1-Dichloroethane	63		3.928					ND	
36 Isopropyl ether	45		3.946					ND	
37 Vinyl acetate	43		3.983					ND	
40 2-Chloro-1,3-butadiene	53		3.989					ND	
38 1,1-Dimethoxyethane	75		4.019					ND	
41 Tert-butyl ethyl ether	59		4.293					ND	
44 2,2-Dichloropropane	77		4.451					ND	
45 cis-1,2-Dichloroethene	96		4.488					ND	
43 2-Butanone (MEK)	43		4.518					ND	
42 Ethyl acetate	43		4.561					ND	
46 Propionitrile	54		4.621					ND	
48 Chlorobromomethane	128		4.725					ND	
47 Methacrylonitrile	41		4.731					ND	
49 Tetrahydrofuran	42		4.749					ND	
50 Chloroform	83	4.804	4.804	0.006	1	1076		0.0919	
51 1,1,1-Trichloroethane	97		4.926					ND	
141 2,4,4-Trimethyl-1-pentene	55		4.930					ND	
52 Cyclohexane	56		4.938					ND	
55 Carbon tetrachloride	117		5.060					ND	
54 1,1-Dichloropropene	75		5.072					ND	
140 2,4,4-Trimethyl-2-pentene	97		5.153					ND	
57 Benzene	78		5.279					ND	
53 Isobutyl alcohol	43		5.279					ND	
152 Isooctane	57		5.303					ND	
147 t-Amyl alcohol	59		5.339					ND	
58 1,2-Dichloroethane	62		5.339					ND	
56 Tert-amyl methyl ether	73		5.358					ND	
59 n-Heptane	43		5.467					ND	
1 1,4-Difluorobenzene	114		5.662					ND	
62 Trichloroethene	95		5.893					ND	
60 n-Butanol	56		5.905					ND	
142 Ethyl acrylate	55		6.015					ND	
64 Methylcyclohexane	83		6.021					ND	
65 1,2-Dichloropropane	63		6.130					ND	
63 Methyl methacrylate	41		6.228					ND	
67 Dibromomethane	93		6.264					ND	
66 1,4-Dioxane	88		6.282					ND	
68 Dichlorobromomethane	83		6.416					ND	
70 2-Nitropropane	43		6.666					ND	
69 2-Chloroethyl vinyl ether	63		6.696					ND	
71 Epichlorohydrin	57		6.787					ND	
72 cis-1,3-Dichloropropene	75		6.842					ND	
73 4-Methyl-2-pentanone (MIBK	43		6.982					ND	
74 Toluene	92		7.134					ND	
76 2-Methylthiophene	97		7.268					ND	
77 trans-1,3-Dichloropropene	75		7.402					ND	
78 3-Methylthiophene	97		7.432					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		7.450					ND	
79 1,1,2-Trichloroethane	83		7.590					ND	
81 Tetrachloroethene	166		7.669					ND	
82 1,3-Dichloropropane	76		7.755					ND	
80 2-Hexanone	43		7.822					ND	
155 n-Butyl acetate	43		7.937					ND	
83 Chlorodibromomethane	129		7.992					ND	
84 Ethylene Dibromide	107		8.101					ND	
146 1-Chlorohexane	55		8.533					ND	
85 3-Chlorobenzotrifluoride	180		8.545					ND	
87 Chlorobenzene	112		8.582					ND	
86 4-Chlorobenzotrifluoride	180		8.612					ND	
88 Ethylbenzene	91		8.673					ND	
89 1,1,1,2-Tetrachloroethane	131		8.679					ND	
90 m-Xylene & p-Xylene	106		8.795					ND	
91 o-Xylene	106		9.221					ND	
92 Styrene	104		9.251					ND	
95 Bromoform	173		9.494					ND	
93 2-Chlorobenzotrifluoride	180		9.531					ND	
94 Isopropylbenzene	105		9.604					ND	
96 Cyclohexanone	55		9.768					ND	
101 Bromobenzene	156		9.945					ND	
97 1,1,2,2-Tetrachloroethane	83		9.993					ND	
100 1,2,3-Trichloropropane	110		10.024					ND	
99 N-Propylbenzene	91		10.030					ND	
98 trans-1,4-Dichloro-2-buten	53		10.036					ND	
103 2-Chlorotoluene	126		10.133					ND	
104 3-Chlorotoluene	126		10.194					ND	
102 1,3,5-Trimethylbenzene	105		10.206					ND	
105 4-Chlorotoluene	126		10.243					ND	
106 tert-Butylbenzene	134		10.517					ND	
107 1,2,4-Trimethylbenzene	105		10.571					ND	
108 Pentachloroethane	167		10.577					ND	
109 sec-Butylbenzene	105		10.729					ND	
111 1,3-Dichlorobenzene	146		10.857					ND	
110 4-Isopropyltoluene	119		10.863					ND	
114 Dicyclopentadiene	66		10.930					ND	
113 1,4-Dichlorobenzene	146		10.948					ND	
112 1,2,3-Trimethylbenzene	105		10.979					ND	
150 Benzyl chloride	126		11.094					ND	
115 n-Butylbenzene	91		11.247					ND	
116 1,2-Dichlorobenzene	146		11.295					ND	
117 1,2-Dibromo-3-Chloropropan	75		12.019					ND	
118 1,3,5-Trichlorobenzene	180		12.159					ND	
119 1,2,4-Trichlorobenzene	180		12.694					ND	
120 Hexachlorobutadiene	225		12.810					ND	
121 Naphthalene	128		12.907					ND	
122 1,2,3-Trichlorobenzene	180		13.108					ND	
149 2-Methylnaphthalene	142		13.820					ND	
143 Propene oxide TIC	1		0.000					ND	
145 Ethylene oxide TIC	1		0.000					ND	
137 Methyl acrylate	1		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
134 Pentachloroethane TIC	1		0.000					ND	
138 cis-1,4-Dichloro-2-butene	88		0.000					ND	
136 Nitrobenzene	77		0.000					ND	
135 Hexachloroethane	117		0.000					ND	
144 1-Bromopropane TIC	1		0.000					ND	
S 125 1,2-Dichloroethene, Total	1		30.000					ND	
S 126 1,3-Dichloropropene, Total	1		30.000					ND	
S 123 Total BTEX	1		30.000					ND	
S 124 Xylenes, Total	1		30.000					ND	
T 156 1-Chloro-1-fluoroethane TI	47		2.000					ND	
T 133 Aziridine TIC	1		0.000					ND	
T 129 bis(chloromethyl)ether TIC	1		0.000					ND	
T 127 Ethanol TIC	45		0.000					ND	
T 131 1-Bromopropane	1		0.000					ND	
T 130 Bromoethane TIC	1		0.000					ND	
T 128 Hexachloroethane TIC	1		0.000					ND	
T 132 tert-amyl alcohol TIC	1		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	

Reagents:

S_8260_IS_00230	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00198	Amount Added:	1.00	Units: uL	Run Reagent

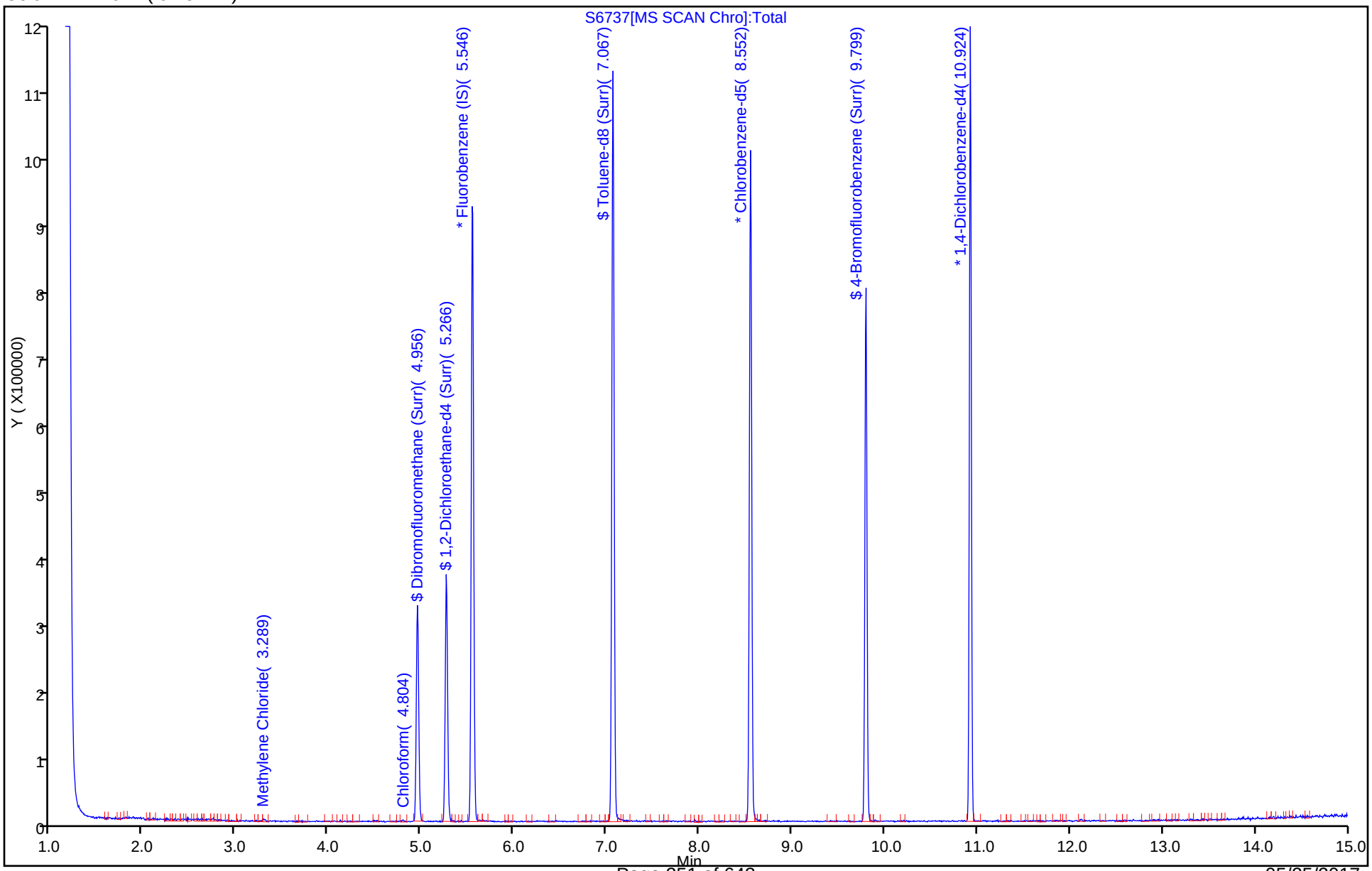
Report Date: 17-May-2017 23:54:49 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20170517-62599.b\S6737.D

Injection Date:	17-May-2017 23:23:30	Instrument ID:	HP5973S	Operator ID:	AS
Lims ID:	MB			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-358793/7

Matrix: Water | Lab File ID: C0150.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 05/24/2017 00:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 358793 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-358793/7

Matrix: Water | Lab File ID: C0150.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 05/24/2017 00:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 358793 | Units: ug/L

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

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

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20170523-62738.b\C0150.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 24-May-2017 00:06:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0062738-007
Operator ID: RR Instrument ID: HP5973C

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20170523-62738.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 24-May-2017 00:29:38 Calib Date: 22-May-2017 22:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C0117.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK026

First Level Reviewer: reiler Date: 24-May-2017 00:29:38

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	9.428	9.428	0.000	100	131455	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.836	11.835	0.001	83	314762	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.852	13.851	0.001	93	362314	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.895	8.895	0.000	93	185565	25.0	25.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.191	9.191	0.000	99	104702	25.0	25.3	
$ 5 Toluene-d8 (Surr)	98	10.650	10.650	0.000	92	780352	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr	174	12.784	12.784	0.000	98	268941	25.0	25.6	
10 Dichlorodifluoromethane	85		4.507					ND	
11 Chlorodifluoromethane	51		4.542					ND	
12 Chloromethane	50		4.910					ND	
13 Vinyl chloride	62		5.147					ND	
151 Butadiene	54		5.195					ND	
14 Bromomethane	94		5.740					ND	
15 Chloroethane	64		5.882					ND	
16 Dichlorofluoromethane	67		6.167					ND	
17 Trichlorofluoromethane	101		6.238					ND	
148 Ethanol	45		6.452					ND	
18 Ethyl ether	59		6.547					ND	
19 Propene oxide	58		6.689					ND	
20 Acrolein	56		6.772					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		6.819					ND	
22 1,1-Dichloroethene	96		6.879					ND	
23 Acetone	43		6.926					ND	
24 Isopropyl alcohol	45		7.021					ND	
25 Iodomethane	142		7.104					ND	
26 Carbon disulfide	76	7.199	7.199	0.000	98	3985		0.1114	
27 Methyl acetate	43		7.223					ND	
28 3-Chloro-1-propene	41		7.246					ND	
29 Acetonitrile	40		7.258					ND	
31 2-Methyl-2-propanol	59		7.400					ND	
32 Methyl tert-butyl ether	73		7.566					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
33 Acrylonitrile	53		7.614					ND	
34 trans-1,2-Dichloroethene	96		7.626					ND	
35 Hexane	57		7.792					ND	
135 Halothane	117		7.922					ND	
36 Isopropyl ether	45		7.946					ND	
37 Vinyl acetate	43		7.970					ND	
39 1,1-Dichloroethane	63		8.029					ND	
38 1,1-Dimethoxyethane	75		8.029					ND	
40 2-Chloro-1,3-butadiene	53		8.088					ND	
41 Tert-butyl ethyl ether	59		8.266					ND	
42 Ethyl acetate	43		8.456					ND	
43 2-Butanone (MEK)	43		8.480					ND	
45 cis-1,2-Dichloroethene	96		8.515					ND	
44 2,2-Dichloropropane	77		8.515					ND	
46 Propionitrile	54		8.574					ND	
47 Methacrylonitrile	41		8.681					ND	
48 Chlorobromomethane	128		8.740					ND	
50 Chloroform	83	8.752	8.752	0.000	1	2075		0.1026	
49 Tetrahydrofuran	42		8.764					ND	
51 1,1,1-Trichloroethane	97		8.942					ND	
52 Cyclohexane	56		8.989					ND	
53 Isobutyl alcohol	43		9.001					ND	
54 1,1-Dichloropropene	75		9.049					ND	
55 Carbon tetrachloride	117		9.072					ND	
147 t-Amyl alcohol	59		9.096					ND	
152 Isooctane	57		9.191					ND	
56 Tert-amyl methyl ether	73		9.215					ND	
57 Benzene	78		9.238					ND	
58 1,2-Dichloroethane	62		9.250					ND	
59 n-Heptane	43		9.274					ND	
1 1,4-Difluorobenzene	114		9.464					ND	
60 n-Butanol	56		9.511					ND	
141 2,4,4-Trimethyl-1-pentene	55		9.594					ND	
142 Ethyl acrylate	55		9.665					ND	
62 Trichloroethene	95		9.713					ND	
140 2,4,4-Trimethyl-2-pentene	97		9.737					ND	
63 Methyl methacrylate	41		9.843					ND	
64 Methylcyclohexane	83		9.867					ND	
65 1,2-Dichloropropane	63		9.914					ND	
66 1,4-Dioxane	88		9.986					ND	
67 Dibromomethane	93		10.045					ND	
68 Dichlorobromomethane	83		10.116					ND	
69 2-Chloroethyl vinyl ether	63		10.235					ND	
70 2-Nitropropane	43		10.270					ND	
71 Epichlorohydrin	57		10.377					ND	
72 cis-1,3-Dichloropropene	75		10.436					ND	
73 4-Methyl-2-pentanone (MIBK	43		10.472					ND	
74 Toluene	92		10.709					ND	
75 Ethyl methacrylate	69		10.780					ND	
76 2-Methylthiophene	97		10.827					ND	
77 trans-1,3-Dichloropropene	75		10.839					ND	
78 3-Methylthiophene	97		10.958					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
79 1,1,2-Trichloroethane	83		11.029					ND	
80 2-Hexanone	43		11.112					ND	
155 n-Butyl acetate	43		11.136					ND	
81 Tetrachloroethene	166		11.160					ND	
82 1,3-Dichloropropane	76		11.171					ND	
83 Chlorodibromomethane	129		11.385					ND	
84 Ethylene Dibromide	107		11.527					ND	
85 3-Chlorobenzotrifluoride	180		11.681					ND	
146 1-Chlorohexane	55		11.705					ND	
86 4-Chlorobenzotrifluoride	180		11.717					ND	
87 Chlorobenzene	112		11.859					ND	
88 Ethylbenzene	91		11.871					ND	
89 1,1,1,2-Tetrachloroethane	131		11.895					ND	
90 m-Xylene & p-Xylene	106		11.954					ND	
91 o-Xylene	106		12.298					ND	
92 Styrene	104		12.310					ND	
93 2-Chlorobenzotrifluoride	180		12.476					ND	
94 Isopropylbenzene	105		12.571					ND	
95 Bromoform	173		12.583					ND	
96 Cyclohexanone	55		12.784					ND	
97 1,1,2,2-Tetrachloroethane	83		12.855					ND	
98 trans-1,4-Dichloro-2-buten	53		12.879					ND	
99 N-Propylbenzene	91		12.926					ND	
100 1,2,3-Trichloropropane	110		12.938					ND	
101 Bromobenzene	156		12.974					ND	
102 1,3,5-Trimethylbenzene	105		13.045					ND	
103 2-Chlorotoluene	126		13.092					ND	
104 3-Chlorotoluene	126		13.128					ND	
105 4-Chlorotoluene	126		13.175					ND	M
106 tert-Butylbenzene	134		13.377					ND	
107 1,2,4-Trimethylbenzene	105		13.413					ND	
108 Pentachloroethane	167		13.496					ND	
110 4-Isopropyltoluene	119		13.674					ND	
111 1,3-Dichlorobenzene	146		13.804					ND	
112 1,2,3-Trimethylbenzene	105		13.851					ND	
113 1,4-Dichlorobenzene	146		13.875					ND	
114 Dicyclopentadiene	66		13.911					ND	
150 Benzyl chloride	126		13.994					ND	
116 1,2-Dichlorobenzene	146		14.302					ND	
117 1,2-Dibromo-3-Chloropropan	75		15.180					ND	
118 1,3,5-Trichlorobenzene	180		15.369					ND	
119 1,2,4-Trichlorobenzene	180		16.223					ND	
120 Hexachlorobutadiene	225		16.342					ND	
121 Naphthalene	128		16.662					ND	
122 1,2,3-Trichlorobenzene	180		17.029					ND	
149 2-Methylnaphthalene	142		18.630					ND	
144 1-Bromopropane TIC	1		0.000					ND	
143 Propene oxide TIC	1		0.000					ND	
137 Nitrobenzene	77		0.000					ND	
139 cis-1,4-Dichloro-2-butene	88		0.000					ND	
138 Methyl acrylate	1		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
145 Ethylene oxide TIC	1		0.000					ND	
S 123 Total BTEX	1		30.000					ND	
S 124 Xylenes, Total	1		30.000					ND	
S 125 1,2-Dichloroethene, Total	1		30.000					ND	
S 126 1,3-Dichloropropene, Total	1		30.000					ND	
T 156 1-Chloro-1-fluoroethane TI	47		5.500					ND	
T 133 1-Bromopropane	1		0.000					ND	
T 134 tert-amyl alcohol TIC	1		0.000					ND	
T 127 Ethanol TIC	45		0.000					ND	
T 130 bis(chloromethyl)ether TIC	1		0.000					ND	
T 131 Bromoethane TIC	1		0.000					ND	
T 132 Pentachloroethane TIC	1		0.000					ND	
T 128 Hexachloroethane TIC	117		0.000					ND	
T 7 Ethylene oxide	1		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	
T 129 Aziridine TIC	1		0.000					ND	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

C_8260_IS_00085	Amount Added:	1.00	Units: uL	Run Reagent
C_8260_Surr_00092	Amount Added:	1.00	Units: uL	Run Reagent

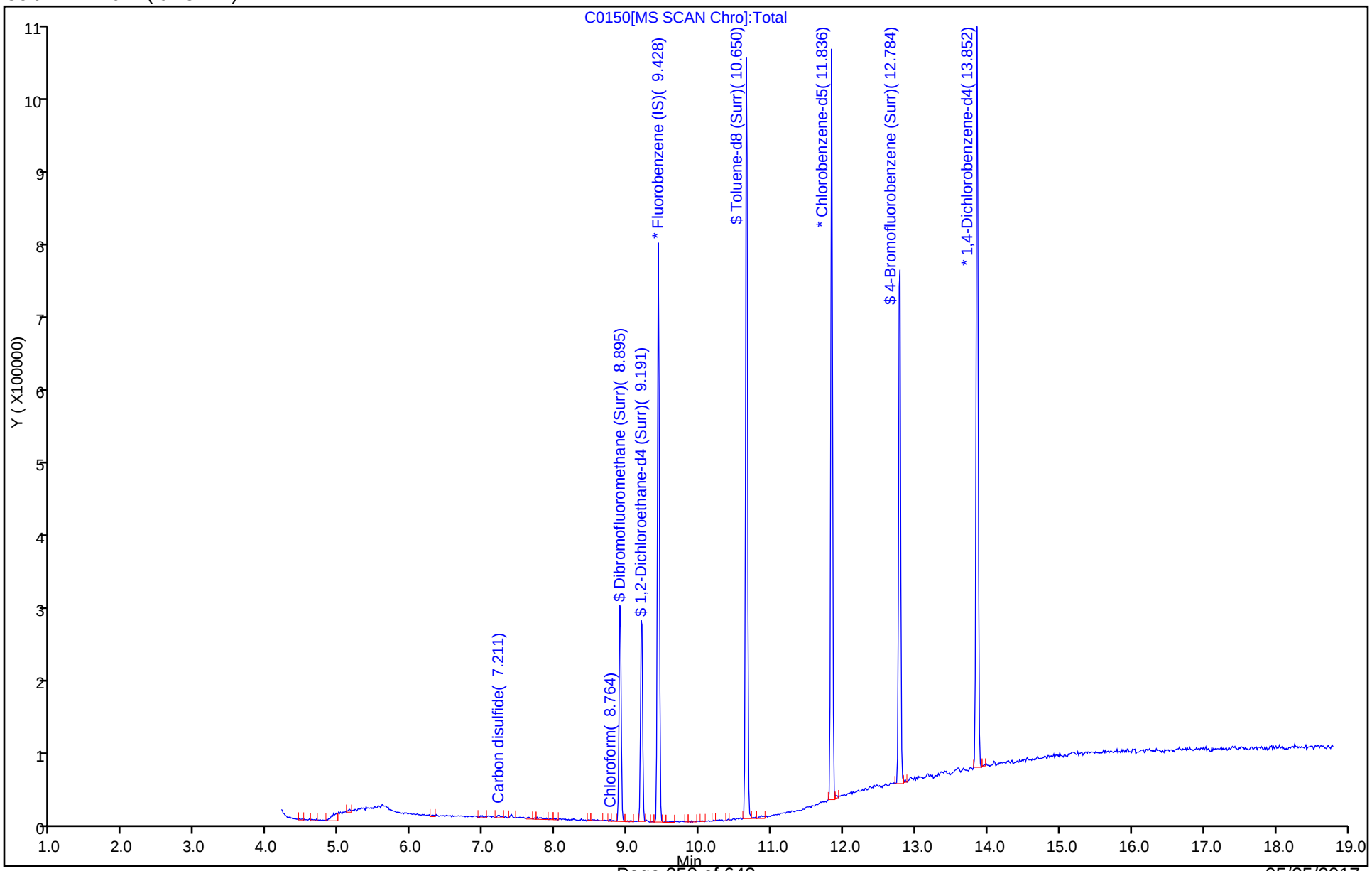
Report Date: 24-May-2017 00:29:40 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20170523-62738.b\C0150.D

Injection Date:	24-May-2017 00:06:30	Instrument ID:	HP5973C	Operator ID:	RR
Lims ID:	MB			Worklist Smp#:	7
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 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-357930/4

Matrix: Water | Lab File ID: S6735.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 05/17/2017 22:20

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.: 357930 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	27.7		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	24.8		1.0	0.21
79-00-5	1,1,2-Trichloroethane	25.7		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	26.6		1.0	0.31
75-34-3	1,1-Dichloroethane	24.8		1.0	0.38
75-35-4	1,1-Dichloroethene	22.3		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	23.5		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	27.2		1.0	0.39
106-93-4	1,2-Dibromoethane	25.4		1.0	0.73
95-50-1	1,2-Dichlorobenzene	24.8		1.0	0.79
107-06-2	1,2-Dichloroethane	25.1		1.0	0.21
78-87-5	1,2-Dichloropropane	24.8		1.0	0.72
541-73-1	1,3-Dichlorobenzene	25.3		1.0	0.78
106-46-7	1,4-Dichlorobenzene	24.4		1.0	0.84
591-78-6	2-Hexanone	133		5.0	1.2
78-93-3	2-Butanone (MEK)	129		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	128		5.0	2.1
67-64-1	Acetone	148		10	3.0
71-43-2	Benzene	25.3		1.0	0.41
75-27-4	Bromodichloromethane	25.1		1.0	0.39
75-25-2	Bromoform	23.2		1.0	0.26
74-83-9	Bromomethane	24.0		1.0	0.69
75-15-0	Carbon disulfide	24.9		1.0	0.19
56-23-5	Carbon tetrachloride	32.0		1.0	0.27
108-90-7	Chlorobenzene	24.5		1.0	0.75
124-48-1	Dibromochloromethane	27.0		1.0	0.32
75-00-3	Chloroethane	22.9		1.0	0.32
67-66-3	Chloroform	23.9		1.0	0.34
74-87-3	Chloromethane	19.7		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	24.4		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	25.1		1.0	0.36
110-82-7	Cyclohexane	26.3		1.0	0.18
75-71-8	Dichlorodifluoromethane	15.1		1.0	0.68
100-41-4	Ethylbenzene	25.2		1.0	0.74
98-82-8	Isopropylbenzene	25.4		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-357930/4

Matrix: Water | Lab File ID: S6735.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 05/17/2017 22:20

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.: 357930 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	124		2.5	1.3
1634-04-4	Methyl tert-butyl ether	24.9		1.0	0.16
108-87-2	Methylcyclohexane	26.6		1.0	0.16
75-09-2	Methylene Chloride	23.9		1.0	0.44
100-42-5	Styrene	25.2		1.0	0.73
127-18-4	Tetrachloroethene	27.3		1.0	0.36
108-88-3	Toluene	24.9		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	25.1		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	25.7		1.0	0.37
79-01-6	Trichloroethene	25.2		1.0	0.46
75-69-4	Trichlorofluoromethane	28.2		1.0	0.88
75-01-4	Vinyl chloride	21.5		1.0	0.90
1330-20-7	Xylenes, Total	50.9		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
2037-26-5	Toluene-d8 (Surr)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	96		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20170517-62599.b\S6735.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 17-May-2017 22:20:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0062599-004
Operator ID: AS Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20170517-62599.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 17-May-2017 20:44:07 Calib Date: 16-May-2017 05:55:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20170515-62534.b\S6652.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: sonkera Date: 17-May-2017 22:45:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.552	5.546	0.006	99	152079	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.552	8.551	0.001	85	296237	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.924	10.924	0.000	53	292374	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.956	4.956	0.000	80	178849	25.0	23.9	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.267	5.266	0.000	0	117064	25.0	25.5	
$ 5 Toluene-d8 (Surr)	98	7.067	7.067	0.000	91	731310	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr	174	9.799	9.799	0.000	89	218863	25.0	24.7	
10 Dichlorodifluoromethane	85	1.306	1.306	0.000	95	102663	25.0	15.1	
12 Chloromethane	50	1.458	1.464	-0.006	100	152649	25.0	19.7	
13 Vinyl chloride	62	1.574	1.574	0.000	99	156159	25.0	21.5	
151 Butadiene	54	1.598	1.604	-0.006	91	151838	25.0	20.8	
14 Bromomethane	94	1.884	1.884	0.000	90	82448	25.0	24.0	
15 Chloroethane	64	2.006	2.006	0.000	98	90967	25.0	22.9	
16 Dichlorofluoromethane	67	2.225	2.231	-0.006	97	193826	25.0	24.1	
17 Trichlorofluoromethane	101	2.249	2.261	-0.012	83	211379	25.0	28.2	
18 Ethyl ether	59	2.523	2.523	0.000	92	147032	25.0	24.9	
20 Acrolein	56	2.699	2.699	0.000	95	140292	125.0	111.8	
21 1,1,2-Trichloro-1,2,2-trif	101	2.748	2.754	-0.006	90	167381	25.0	26.6	
22 1,1-Dichloroethene	96	2.760	2.760	0.000	97	163552	25.0	22.3	
23 Acetone	43	2.857	2.863	-0.006	99	352683	125.0	148.3	
25 Iodomethane	142	2.930	2.936	-0.006	97	265729	25.0	25.2	
26 Carbon disulfide	76	2.979	2.985	-0.006	99	435510	25.0	24.9	
28 3-Chloro-1-propene	41	3.119	3.119	0.000	81	233030	25.0	27.4	
27 Methyl acetate	43	3.168	3.168	0.000	96	699395	125.0	123.8	
30 Methylene Chloride	84	3.295	3.295	0.000	91	172327	25.0	23.9	
31 2-Methyl-2-propanol	59	3.429	3.435	-0.006	96	190199	250.0	243.1	
32 Methyl tert-butyl ether	73	3.490	3.490	0.000	87	495247	25.0	24.9	
34 trans-1,2-Dichloroethene	96	3.508	3.502	0.006	96	179377	25.0	25.1	
33 Acrylonitrile	53	3.551	3.551	0.000	99	734739	250.0	253.5	
35 Hexane	57	3.709	3.709	0.000	90	296491	25.0	27.9	
39 1,1-Dichloroethane	63	3.928	3.928	0.000	85	303000	25.0	24.8	

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	3.983	3.983	0.000	98	777559	50.0	51.9	
44 2,2-Dichloropropane	77	4.451	4.451	0.000	92	121213	25.0	25.3	
45 cis-1,2-Dichloroethene	96	4.482	4.488	-0.006	81	199926	25.0	24.4	
43 2-Butanone (MEK)	43	4.518	4.518	0.000	94	470767	125.0	128.5	
48 Chlorobromomethane	128	4.725	4.725	0.000	95	95041	25.0	24.3	
49 Tetrahydrofuran	42	4.749	4.749	0.000	88	116253	50.0	45.9	
50 Chloroform	83	4.798	4.798	0.000	85	293464	25.0	23.9	
51 1,1,1-Trichloroethane	97	4.920	4.926	-0.006	96	206171	25.0	27.7	
52 Cyclohexane	56	4.938	4.938	0.000	92	305748	25.0	26.3	
55 Carbon tetrachloride	117	5.060	5.060	0.000	90	217383	25.0	32.0	
54 1,1-Dichloropropene	75	5.072	5.072	0.000	91	233680	25.0	25.6	
53 Isobutyl alcohol	43	5.279	5.279	0.000	52	213448	625.0	608.3	
57 Benzene	78	5.279	5.279	0.000	96	705706	25.0	25.3	
58 1,2-Dichloroethane	62	5.340	5.339	0.001	78	238034	25.0	25.1	
59 n-Heptane	43	5.467	5.467	0.000	91	266175	25.0	25.3	
62 Trichloroethene	95	5.893	5.893	0.000	93	182592	25.0	25.2	
64 Methylcyclohexane	83	6.021	6.021	0.000	91	310473	25.0	26.6	
65 1,2-Dichloropropane	63	6.130	6.130	0.000	90	174265	25.0	24.8	
67 Dibromomethane	93	6.264	6.264	0.000	90	112631	25.0	24.6	
66 1,4-Dioxane	88	6.276	6.282	-0.006	46	44300	500.0	503.9	
68 Dichlorobromomethane	83	6.416	6.416	0.000	97	200977	25.0	25.1	
69 2-Chloroethyl vinyl ether	63	6.696	6.696	0.000	94	110535	25.0	23.9	
72 cis-1,3-Dichloropropene	75	6.836	6.842	-0.006	86	264929	25.0	25.1	
73 4-Methyl-2-pentanone (MIBK	43	6.982	6.982	0.000	96	871050	125.0	127.6	
74 Toluene	92	7.134	7.134	0.000	94	443687	25.0	24.9	
77 trans-1,3-Dichloropropene	75	7.402	7.402	0.000	97	232633	25.0	25.7	
75 Ethyl methacrylate	69	7.451	7.450	0.000	71	207452	25.0	25.1	
79 1,1,2-Trichloroethane	83	7.597	7.590	0.006	94	125893	25.0	25.7	
81 Tetrachloroethene	166	7.670	7.669	0.001	92	202865	25.0	27.3	
82 1,3-Dichloropropane	76	7.755	7.755	0.000	92	273252	25.0	25.5	
80 2-Hexanone	43	7.822	7.822	0.000	93	623949	125.0	132.6	
83 Chlorodibromomethane	129	7.998	7.992	0.006	88	157239	25.0	27.0	
84 Ethylene Dibromide	107	8.101	8.101	0.000	99	161265	25.0	25.4	
87 Chlorobenzene	112	8.582	8.582	0.000	92	482013	25.0	24.5	
88 Ethylbenzene	91	8.673	8.673	0.000	98	809031	25.0	25.2	
89 1,1,1,2-Tetrachloroethane	131	8.679	8.679	0.000	46	169225	25.0	26.9	
90 m-Xylene & p-Xylene	106	8.795	8.795	0.000	0	332611	25.0	25.6	
91 o-Xylene	106	9.227	9.221	0.006	97	315169	25.0	25.3	
92 Styrene	104	9.251	9.251	0.000	95	524715	25.0	25.2	
95 Bromoform	173	9.495	9.494	0.001	96	96591	25.0	23.2	
94 Isopropylbenzene	105	9.604	9.604	0.000	95	827838	25.0	25.4	
101 Bromobenzene	156	9.945	9.945	0.000	95	208757	25.0	24.0	
97 1,1,2,2-Tetrachloroethane	83	9.993	9.993	0.000	90	194836	25.0	24.8	
100 1,2,3-Trichloropropane	110	10.030	10.024	0.006	48	65211	25.0	24.8	
99 N-Propylbenzene	91	10.030	10.030	0.000	98	954027	25.0	25.6	
98 trans-1,4-Dichloro-2-buten	53	10.036	10.036	0.000	40	53760	25.0	23.4	
103 2-Chlorotoluene	126	10.127	10.133	-0.006	96	196429	25.0	24.4	
102 1,3,5-Trimethylbenzene	105	10.206	10.206	0.000	94	694504	25.0	25.5	
105 4-Chlorotoluene	126	10.243	10.243	0.000	94	211310	25.0	25.2	
106 tert-Butylbenzene	134	10.517	10.517	0.000	92	166704	25.0	25.2	
107 1,2,4-Trimethylbenzene	105	10.571	10.571	0.000	77	708767	25.0	25.2	
109 sec-Butylbenzene	105	10.730	10.729	0.001	93	937630	25.0	26.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
111 1,3-Dichlorobenzene	146	10.863	10.857	0.006	71	406215	25.0	25.3	
110 4-Isopropyltoluene	119	10.863	10.863	0.000	96	797009	25.0	26.5	
113 1,4-Dichlorobenzene	146	10.949	10.948	0.001	95	407972	25.0	24.4	
115 n-Butylbenzene	91	11.247	11.247	0.000	97	730501	25.0	26.6	
116 1,2-Dichlorobenzene	146	11.295	11.295	0.000	92	391481	25.0	24.8	
117 1,2-Dibromo-3-Chloropropan	75	12.019	12.019	0.000	72	35665	25.0	27.2	
119 1,2,4-Trichlorobenzene	180	12.695	12.694	0.001	93	289479	25.0	23.5	
120 Hexachlorobutadiene	225	12.810	12.810	0.000	96	137094	25.0	23.8	
121 Naphthalene	128	12.907	12.907	0.000	97	752870	25.0	24.6	
122 1,2,3-Trichlorobenzene	180	13.108	13.108	0.000	95	268441	25.0	24.4	

Reagents:

8260 CORP mix_00098	Amount Added: 12.50	Units: uL	
GAS CORP mix_00220	Amount Added: 12.50	Units: uL	
S_8260_IS_00230	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00198	Amount Added: 1.00	Units: uL	Run Reagent

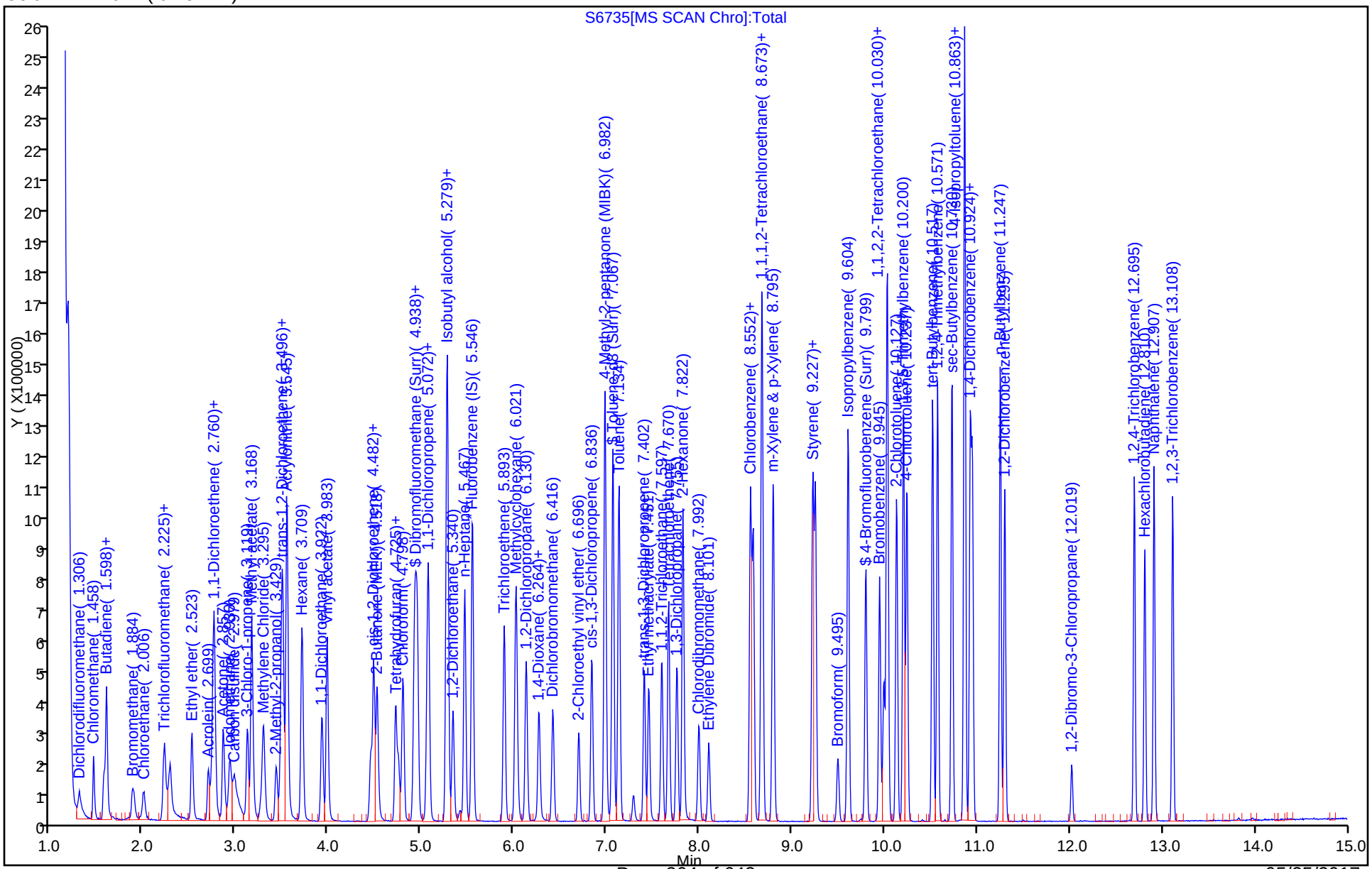
Report Date: 17-May-2017 22:45:51 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20170517-62599.b\S6735.D

Injection Date:	17-May-2017 22:20:30	Instrument ID:	HP5973S	Operator ID:	AS
Lims ID:	LCS			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-358793/5

Matrix: Water | Lab File ID: C0148.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 05/23/2017 23:16

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 358793 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	24.7		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	23.8		1.0	0.21
79-00-5	1,1,2-Trichloroethane	24.5		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	24.8		1.0	0.31
75-34-3	1,1-Dichloroethane	23.4		1.0	0.38
75-35-4	1,1-Dichloroethene	24.1		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	24.4		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	23.7		1.0	0.39
106-93-4	1,2-Dibromoethane	24.8		1.0	0.73
95-50-1	1,2-Dichlorobenzene	24.2		1.0	0.79
107-06-2	1,2-Dichloroethane	24.4		1.0	0.21
78-87-5	1,2-Dichloropropane	24.3		1.0	0.72
541-73-1	1,3-Dichlorobenzene	24.3		1.0	0.78
106-46-7	1,4-Dichlorobenzene	24.2		1.0	0.84
591-78-6	2-Hexanone	119		5.0	1.2
78-93-3	2-Butanone (MEK)	117		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	120		5.0	2.1
67-64-1	Acetone	114		10	3.0
71-43-2	Benzene	23.9		1.0	0.41
75-27-4	Bromodichloromethane	25.2		1.0	0.39
75-25-2	Bromoform	26.3		1.0	0.26
74-83-9	Bromomethane	21.8		1.0	0.69
75-15-0	Carbon disulfide	23.9		1.0	0.19
56-23-5	Carbon tetrachloride	24.6		1.0	0.27
108-90-7	Chlorobenzene	24.4		1.0	0.75
124-48-1	Dibromochloromethane	25.6		1.0	0.32
75-00-3	Chloroethane	22.7		1.0	0.32
67-66-3	Chloroform	23.3		1.0	0.34
74-87-3	Chloromethane	22.5		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	23.1		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	24.8		1.0	0.36
110-82-7	Cyclohexane	23.5		1.0	0.18
75-71-8	Dichlorodifluoromethane	25.8		1.0	0.68
100-41-4	Ethylbenzene	24.0		1.0	0.74
98-82-8	Isopropylbenzene	23.7		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-358793/5

Matrix: Water | Lab File ID: C0148.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 05/23/2017 23:16

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 358793 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	117		2.5	1.3
1634-04-4	Methyl tert-butyl ether	24.1		1.0	0.16
108-87-2	Methylcyclohexane	24.2		1.0	0.16
75-09-2	Methylene Chloride	25.7		1.0	0.44
100-42-5	Styrene	25.1		1.0	0.73
127-18-4	Tetrachloroethene	23.9		1.0	0.36
108-88-3	Toluene	24.3		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	22.5		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	24.9		1.0	0.37
79-01-6	Trichloroethene	24.2		1.0	0.46
75-69-4	Trichlorofluoromethane	25.7		1.0	0.88
75-01-4	Vinyl chloride	24.3		1.0	0.90
1330-20-7	Xylenes, Total	48.6		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		77-120
2037-26-5	Toluene-d8 (Surr)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	104		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20170523-62738.b\C0148.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 23-May-2017 23:16:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0062738-005
Operator ID: RR Instrument ID: HP5973C

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20170523-62738.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 23-May-2017 21:37:45 Calib Date: 22-May-2017 22:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C0117.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK026

First Level Reviewer: reiler Date: 23-May-2017 23:38:44

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	9.428	9.428	0.000	100	128822	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.836	11.835	0.001	82	308958	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.852	13.851	0.001	93	357097	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.895	8.895	0.000	94	185639	25.0	25.7	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.191	9.191	0.000	100	101489	25.0	25.1	
$ 5 Toluene-d8 (Surr)	98	10.650	10.650	0.000	92	765594	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr	174	12.784	12.784	0.000	98	268249	25.0	26.0	
10 Dichlorodifluoromethane	85	4.495	4.507	-0.012	99	306479	25.0	25.8	
12 Chloromethane	50	4.898	4.910	-0.012	99	176027	25.0	22.5	
13 Vinyl chloride	62	5.147	5.147	0.000	99	168175	25.0	24.3	
151 Butadiene	54	5.183	5.195	-0.012	88	141217	25.0	24.0	
14 Bromomethane	94	5.740	5.740	0.000	90	197251	25.0	21.8	
15 Chloroethane	64	5.871	5.882	-0.011	99	172016	25.0	22.7	
16 Dichlorofluoromethane	67	6.155	6.167	-0.012	97	426232	25.0	23.9	
17 Trichlorofluoromethane	101	6.238	6.238	0.000	98	438924	25.0	25.7	
18 Ethyl ether	59	6.547	6.547	0.000	90	212201	25.0	24.1	
20 Acrolein	56	6.760	6.772	-0.012	100	173326	125.0	124.6	
21 1,1,2-Trichloro-1,2,2-trif	101	6.819	6.819	0.000	91	249512	25.0	24.8	
22 1,1-Dichloroethene	96	6.879	6.879	0.000	96	245972	25.0	24.1	
23 Acetone	43	6.914	6.926	-0.012	100	306138	125.0	114.5	
25 Iodomethane	142	7.104	7.104	0.000	99	477054	25.0	24.3	
26 Carbon disulfide	76	7.199	7.199	0.000	100	836896	25.0	23.9	
27 Methyl acetate	43	7.211	7.223	-0.011	97	808089	125.0	117.1	
28 3-Chloro-1-propene	41	7.246	7.246	0.000	91	354757	25.0	22.5	
30 Methylene Chloride	84	7.389	7.389	0.000	90	288112	25.0	25.7	
31 2-Methyl-2-propanol	59	7.401	7.400	0.001	99	279878	250.0	232.1	
32 Methyl tert-butyl ether	73	7.567	7.566	0.001	94	732812	25.0	24.1	
33 Acrylonitrile	53	7.614	7.614	0.000	99	869911	250.0	238.0	
34 trans-1,2-Dichloroethene	96	7.626	7.626	0.000	97	280644	25.0	22.5	
35 Hexane	57	7.792	7.792	0.000	89	328776	25.0	23.1	
37 Vinyl acetate	43	7.970	7.970	0.000	97	961936	50.0	50.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	8.017	8.029	-0.012	96	426163	25.0	23.4	
43 2-Butanone (MEK)	43	8.480	8.480	0.000	99	518606	125.0	117.1	
45 cis-1,2-Dichloroethene	96	8.515	8.515	0.000	79	327331	25.0	23.1	
44 2,2-Dichloropropane	77	8.515	8.515	0.000	65	369483	25.0	23.8	
48 Chlorobromomethane	128	8.741	8.740	0.001	89	172853	25.0	25.0	
50 Chloroform	83	8.752	8.752	0.000	93	461299	25.0	23.3	
49 Tetrahydrofuran	42	8.764	8.764	0.000	88	140834	50.0	44.1	
51 1,1,1-Trichloroethane	97	8.942	8.942	0.000	97	408484	25.0	24.7	
52 Cyclohexane	56	8.990	8.989	0.001	91	441123	25.0	23.5	
53 Isobutyl alcohol	43	9.001	9.001	0.000	91	317900	625.0	566.2	
54 1,1-Dichloropropene	75	9.049	9.049	0.000	97	331930	25.0	24.1	
55 Carbon tetrachloride	117	9.073	9.072	0.001	96	367169	25.0	24.6	
57 Benzene	78	9.239	9.238	0.001	95	1053300	25.0	23.9	
58 1,2-Dichloroethane	62	9.250	9.250	0.000	97	345773	25.0	24.4	
59 n-Heptane	43	9.274	9.274	0.000	90	298516	25.0	21.6	
62 Trichloroethene	95	9.713	9.713	0.000	94	284940	25.0	24.2	
64 Methylcyclohexane	83	9.867	9.867	0.000	87	435296	25.0	24.2	
65 1,2-Dichloropropane	63	9.915	9.914	0.001	96	266819	25.0	24.3	
66 1,4-Dioxane	88	9.986	9.986	0.000	91	62759	500.0	494.9	
67 Dibromomethane	93	10.045	10.045	0.000	91	176102	25.0	24.9	
68 Dichlorobromomethane	83	10.116	10.116	0.000	99	329580	25.0	25.2	
69 2-Chloroethyl vinyl ether	63	10.235	10.235	0.000	93	168970	25.0	24.8	
72 cis-1,3-Dichloropropene	75	10.436	10.436	0.000	98	440882	25.0	24.8	
73 4-Methyl-2-pentanone (MIBK	43	10.472	10.472	0.000	94	1169260	125.0	119.5	
74 Toluene	92	10.709	10.709	0.000	99	729748	25.0	24.3	
75 Ethyl methacrylate	69	10.780	10.780	0.000	88	311201	25.0	25.1	
77 trans-1,3-Dichloropropene	75	10.840	10.839	0.001	91	408510	25.0	24.9	
79 1,1,2-Trichloroethane	83	11.029	11.029	0.000	88	213175	25.0	24.5	
80 2-Hexanone	43	11.112	11.112	0.000	94	846310	125.0	118.8	
81 Tetrachloroethene	166	11.160	11.160	0.000	97	348303	25.0	23.9	
82 1,3-Dichloropropane	76	11.172	11.171	0.001	89	433351	25.0	24.4	
83 Chlorodibromomethane	129	11.397	11.385	0.012	89	302404	25.0	25.6	
84 Ethylene Dibromide	107	11.527	11.527	0.000	99	281252	25.0	24.8	
87 Chlorobenzene	112	11.859	11.859	0.000	97	904558	25.0	24.4	
88 Ethylbenzene	91	11.871	11.871	0.000	96	1390684	25.0	24.0	
89 1,1,1,2-Tetrachloroethane	131	11.895	11.895	0.000	94	328931	25.0	24.7	
90 m-Xylene & p-Xylene	106	11.954	11.954	0.000	100	597906	25.0	24.5	
91 o-Xylene	106	12.298	12.298	0.000	94	585262	25.0	24.1	
92 Styrene	104	12.310	12.310	0.000	94	937435	25.0	25.1	
94 Isopropylbenzene	105	12.571	12.571	0.000	95	1487085	25.0	23.7	
95 Bromoform	173	12.583	12.583	0.000	98	188580	25.0	26.3	
97 1,1,2,2-Tetrachloroethane	83	12.855	12.855	0.000	95	340688	25.0	23.8	
98 trans-1,4-Dichloro-2-buten	53	12.879	12.879	0.000	93	98445	25.0	25.1	
99 N-Propylbenzene	91	12.927	12.926	0.001	98	1641219	25.0	23.4	
100 1,2,3-Trichloropropane	110	12.938	12.938	0.000	82	116359	25.0	23.5	
101 Bromobenzene	156	12.974	12.974	0.000	85	418725	25.0	24.3	
102 1,3,5-Trimethylbenzene	105	13.045	13.045	0.000	94	1250410	25.0	23.9	
103 2-Chlorotoluene	126	13.093	13.092	0.001	99	381941	25.0	23.8	
105 4-Chlorotoluene	126	13.176	13.175	0.001	96	403953	25.0	23.9	
106 tert-Butylbenzene	134	13.377	13.377	0.000	89	292453	25.0	22.8	
107 1,2,4-Trimethylbenzene	105	13.413	13.413	0.000	93	1308526	25.0	24.0	
109 sec-Butylbenzene	105	13.579	13.579	0.000	93	1556608	25.0	23.4	

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	13.674	13.674	0.000	97	1375058	25.0	23.7	
111 1,3-Dichlorobenzene	146	13.804	13.804	0.000	96	806350	25.0	24.3	
113 1,4-Dichlorobenzene	146	13.887	13.875	0.012	97	819965	25.0	24.2	
115 n-Butylbenzene	91	14.089	14.089	0.000	97	1116152	25.0	23.5	
116 1,2-Dichlorobenzene	146	14.302	14.302	0.000	99	784473	25.0	24.2	
117 1,2-Dibromo-3-Chloropropan	75	15.180	15.180	0.000	90	56960	25.0	23.7	
119 1,2,4-Trichlorobenzene	180	16.223	16.223	0.000	94	577147	25.0	24.4	
120 Hexachlorobutadiene	225	16.342	16.342	0.000	98	206254	25.0	24.0	
121 Naphthalene	128	16.662	16.662	0.000	96	1442066	25.0	24.6	
122 1,2,3-Trichlorobenzene	180	17.030	17.029	0.001	97	532678	25.0	24.5	

Reagents:

8260 CORP mix_00099	Amount Added: 12.50	Units: uL	
GAS CORP mix_00221	Amount Added: 12.50	Units: uL	
C_8260_IS_00085	Amount Added: 1.00	Units: uL	Run Reagent
C_8260_Surr_00092	Amount Added: 1.00	Units: uL	Run Reagent

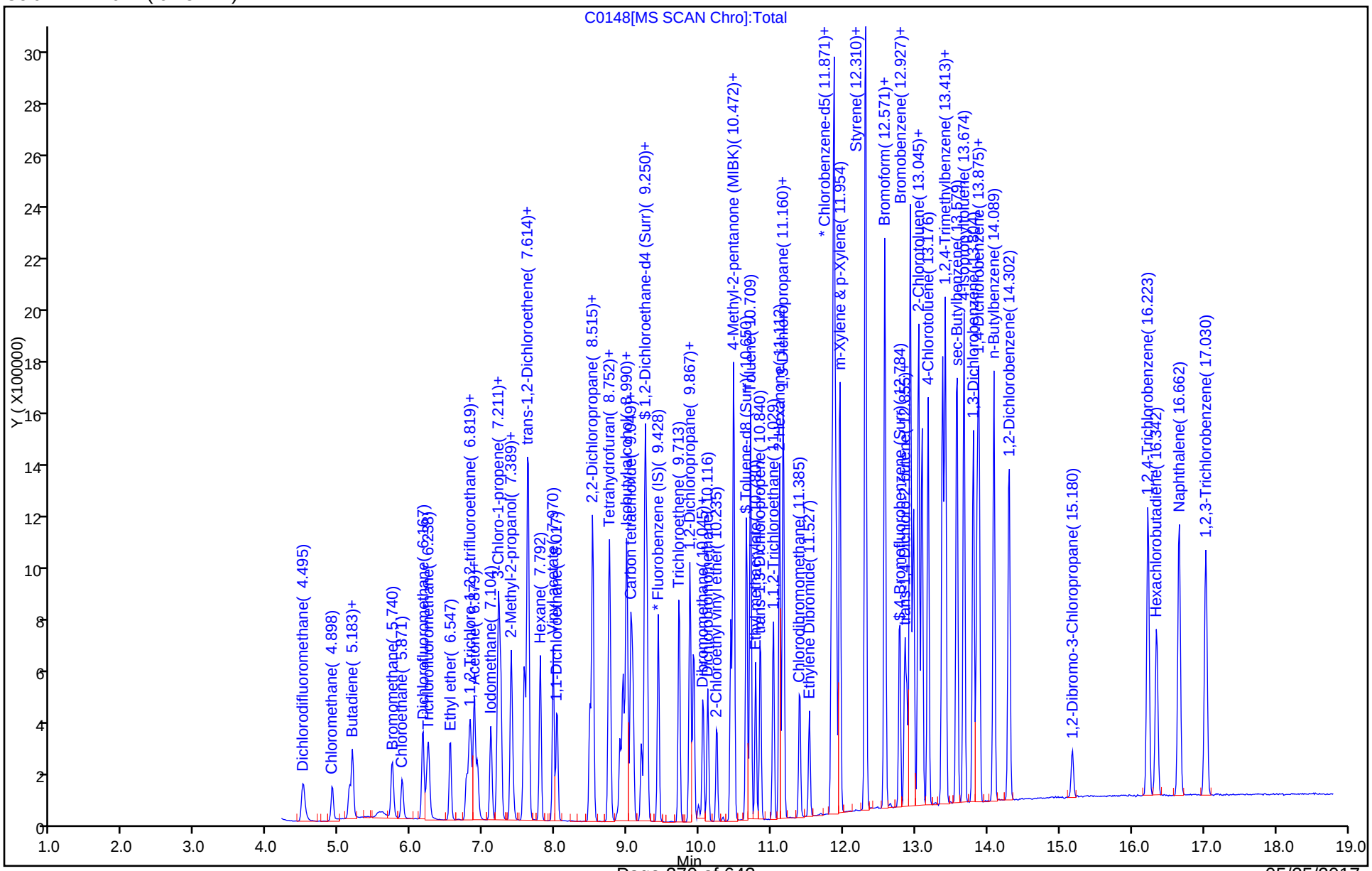
Report Date: 23-May-2017 23:38:45 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20170523-62738.b\C0148.D

Injection Date:	23-May-2017 23:16:30	Instrument ID:	HP5973C	Operator ID:	RR
Lims ID:	LCS			Worklist Smp#:	5
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 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: MW-8 20170516 MS | Lab Sample ID: 480-118149-3 MS

Matrix: Water | Lab File ID: C0167.D

Analysis Method: 8260C | Date Collected: 05/16/2017 08:45

Sample wt/vol: 5(mL) | Date Analyzed: 05/24/2017 07:30

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 358793 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	27.6		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	23.2		1.0	0.21
79-00-5	1,1,2-Trichloroethane	24.2		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	25.7		1.0	0.31
75-34-3	1,1-Dichloroethane	25.3		1.0	0.38
75-35-4	1,1-Dichloroethene	26.5		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	25.0		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	21.6		1.0	0.39
106-93-4	1,2-Dibromoethane	24.7		1.0	0.73
95-50-1	1,2-Dichlorobenzene	24.5		1.0	0.79
107-06-2	1,2-Dichloroethane	25.7		1.0	0.21
78-87-5	1,2-Dichloropropane	25.6		1.0	0.72
541-73-1	1,3-Dichlorobenzene	25.0		1.0	0.78
106-46-7	1,4-Dichlorobenzene	24.7		1.0	0.84
591-78-6	2-Hexanone	112		5.0	1.2
78-93-3	2-Butanone (MEK)	113		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	114		5.0	2.1
67-64-1	Acetone	115		10	3.0
71-43-2	Benzene	25.3		1.0	0.41
75-27-4	Bromodichloromethane	26.2		1.0	0.39
75-25-2	Bromoform	26.3		1.0	0.26
74-83-9	Bromomethane	24.8		1.0	0.69
75-15-0	Carbon disulfide	26.0		1.0	0.19
56-23-5	Carbon tetrachloride	28.1		1.0	0.27
108-90-7	Chlorobenzene	25.5		1.0	0.75
124-48-1	Dibromochloromethane	25.6		1.0	0.32
75-00-3	Chloroethane	25.3		1.0	0.32
67-66-3	Chloroform	24.8		1.0	0.34
74-87-3	Chloromethane	24.5		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	24.4		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	25.1		1.0	0.36
110-82-7	Cyclohexane	24.3		1.0	0.18
75-71-8	Dichlorodifluoromethane	26.6		1.0	0.68
100-41-4	Ethylbenzene	25.6		1.0	0.74
98-82-8	Isopropylbenzene	25.0		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: MW-8 20170516 MS | Lab Sample ID: 480-118149-3 MS

Matrix: Water | Lab File ID: C0167.D

Analysis Method: 8260C | Date Collected: 05/16/2017 08:45

Sample wt/vol: 5(mL) | Date Analyzed: 05/24/2017 07:30

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 358793 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	111		2.5	1.3
1634-04-4	Methyl tert-butyl ether	24.6		1.0	0.16
108-87-2	Methylcyclohexane	24.8		1.0	0.16
75-09-2	Methylene Chloride	25.9		1.0	0.44
100-42-5	Styrene	25.9		1.0	0.73
127-18-4	Tetrachloroethene	25.9		1.0	0.36
108-88-3	Toluene	25.3		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	24.6		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	24.5		1.0	0.37
79-01-6	Trichloroethene	25.9		1.0	0.46
75-69-4	Trichlorofluoromethane	27.9		1.0	0.88
75-01-4	Vinyl chloride	26.2		1.0	0.90
1330-20-7	Xylenes, Total	51.4		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		77-120
2037-26-5	Toluene-d8 (Surr)	99		80-120
460-00-4	4-Bromofluorobenzene (Surr)	105		73-120
1868-53-7	Dibromofluoromethane (Surr)	104		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20170523-62738.b\C0167.D
Lims ID: 480-118149-C-3 MS
Client ID: MW-8 20170516
Sample Type: MS
Inject. Date: 24-May-2017 07:30:30 ALS Bottle#: 23 Worklist Smp#: 44
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-118149-C-3 MS
Misc. Info.: 480-0062738-044
Operator ID: RR Instrument ID: HP5973C

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20170523-62738.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 24-May-2017 10:24:45 Calib Date: 22-May-2017 22:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C0117.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: farrellr Date: 24-May-2017 10:25:17

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	9.428	9.428	0.000	100	120936	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.836	11.835	0.001	82	296432	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.851	13.851	0.000	93	348057	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.895	8.895	0.000	93	176987	25.0	26.1	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.191	9.191	0.000	99	97791	25.0	25.7	
$ 5 Toluene-d8 (Surr)	98	10.650	10.650	0.000	92	726703	25.0	24.8	
$ 6 4-Bromofluorobenzene (Surr	174	12.784	12.784	0.000	97	258740	25.0	26.2	
10 Dichlorodifluoromethane	85	4.495	4.507	-0.012	99	296224	25.0	26.6	
12 Chloromethane	50	4.898	4.910	-0.012	98	180322	25.0	24.5	
13 Vinyl chloride	62	5.135	5.147	-0.012	99	170524	25.0	26.2	
14 Bromomethane	94	5.740	5.740	0.000	90	210876	25.0	24.8	
15 Chloroethane	64	5.871	5.882	-0.011	100	179682	25.0	25.3	
17 Trichlorofluoromethane	101	6.238	6.238	0.000	97	447391	25.0	27.9	
21 1,1,2-Trichloro-1,2,2-trif	101	6.819	6.819	0.000	90	242980	25.0	25.7	
22 1,1-Dichloroethene	96	6.879	6.879	0.000	96	253766	25.0	26.5	
23 Acetone	43	6.914	6.926	-0.012	100	288097	125.0	114.7	
26 Carbon disulfide	76	7.199	7.199	0.000	100	857335	25.0	26.0	
27 Methyl acetate	43	7.211	7.223	-0.011	97	717876	125.0	110.8	
30 Methylene Chloride	84	7.389	7.389	0.000	90	272211	25.0	25.9	
32 Methyl tert-butyl ether	73	7.566	7.566	0.000	94	703327	25.0	24.6	
34 trans-1,2-Dichloroethene	96	7.626	7.626	0.000	97	287353	25.0	24.6	
39 1,1-Dichloroethane	63	8.017	8.029	-0.012	96	431893	25.0	25.3	
43 2-Butanone (MEK)	43	8.480	8.480	0.000	99	470000	125.0	113.1	
45 cis-1,2-Dichloroethene	96	8.515	8.515	0.000	79	324805	25.0	24.4	
50 Chloroform	83	8.752	8.752	0.000	93	461218	25.0	24.8	
51 1,1,1-Trichloroethane	97	8.942	8.942	0.000	97	427759	25.0	27.6	
52 Cyclohexane	56	8.990	8.989	0.001	92	428459	25.0	24.3	
55 Carbon tetrachloride	117	9.073	9.072	0.001	95	392707	25.0	28.1	
57 Benzene	78	9.239	9.238	0.001	95	1045961	25.0	25.3	
58 1,2-Dichloroethane	62	9.250	9.250	0.000	97	341784	25.0	25.7	
62 Trichloroethene	95	9.713	9.713	0.000	94	286773	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
64 Methylcyclohexane	83	9.867	9.867	0.000	87	419431	25.0	24.8	
65 1,2-Dichloropropane	63	9.914	9.914	0.000	96	263474	25.0	25.6	
68 Dichlorobromomethane	83	10.116	10.116	0.000	99	322409	25.0	26.2	
72 cis-1,3-Dichloropropene	75	10.436	10.436	0.000	98	418501	25.0	25.1	
73 4-Methyl-2-pentanone (MIBK	43	10.472	10.472	0.000	94	1068993	125.0	113.9	
74 Toluene	92	10.709	10.709	0.000	99	729676	25.0	25.3	
77 trans-1,3-Dichloropropene	75	10.839	10.839	0.000	91	385323	25.0	24.5	
79 1,1,2-Trichloroethane	83	11.029	11.029	0.000	88	202012	25.0	24.2	
80 2-Hexanone	43	11.112	11.112	0.000	94	765817	125.0	112.1	
81 Tetrachloroethene	166	11.160	11.160	0.000	96	362039	25.0	25.9	
83 Chlorodibromomethane	129	11.385	11.385	0.000	89	289539	25.0	25.6	
84 Ethylene Dibromide	107	11.527	11.527	0.000	98	269610	25.0	24.7	
87 Chlorobenzene	112	11.859	11.859	0.000	98	906426	25.0	25.5	
88 Ethylbenzene	91	11.871	11.871	0.000	96	1422764	25.0	25.6	
90 m-Xylene & p-Xylene	106	11.954	11.954	0.000	100	607787		25.9	
91 o-Xylene	106	12.298	12.298	0.000	95	594860		25.5	
92 Styrene	104	12.310	12.310	0.000	94	927669	25.0	25.9	
94 Isopropylbenzene	105	12.571	12.571	0.000	95	1529124	25.0	25.0	
95 Bromoform	173	12.583	12.583	0.000	98	181121	25.0	26.3	
97 1,1,2,2-Tetrachloroethane	83	12.855	12.855	0.000	95	325020	25.0	23.2	
111 1,3-Dichlorobenzene	146	13.804	13.804	0.000	96	808187	25.0	25.0	
113 1,4-Dichlorobenzene	146	13.875	13.875	0.000	96	816309	25.0	24.7	
116 1,2-Dichlorobenzene	146	14.302	14.302	0.000	99	775492	25.0	24.5	
117 1,2-Dibromo-3-Chloropropan	75	15.180	15.180	0.000	92	50655	25.0	21.6	
119 1,2,4-Trichlorobenzene	180	16.223	16.223	0.000	94	574792	25.0	25.0	
S 124 Xylenes, Total	1				0			51.5	

Reagents:

GAS CORP mix_00221	Amount Added: 12.50	Units: uL	
8260 CORP mix_00099	Amount Added: 12.50	Units: uL	
C_8260_IS_00085	Amount Added: 1.00	Units: uL	Run Reagent
C_8260_Surr_00092	Amount Added: 1.00	Units: uL	Run Reagent

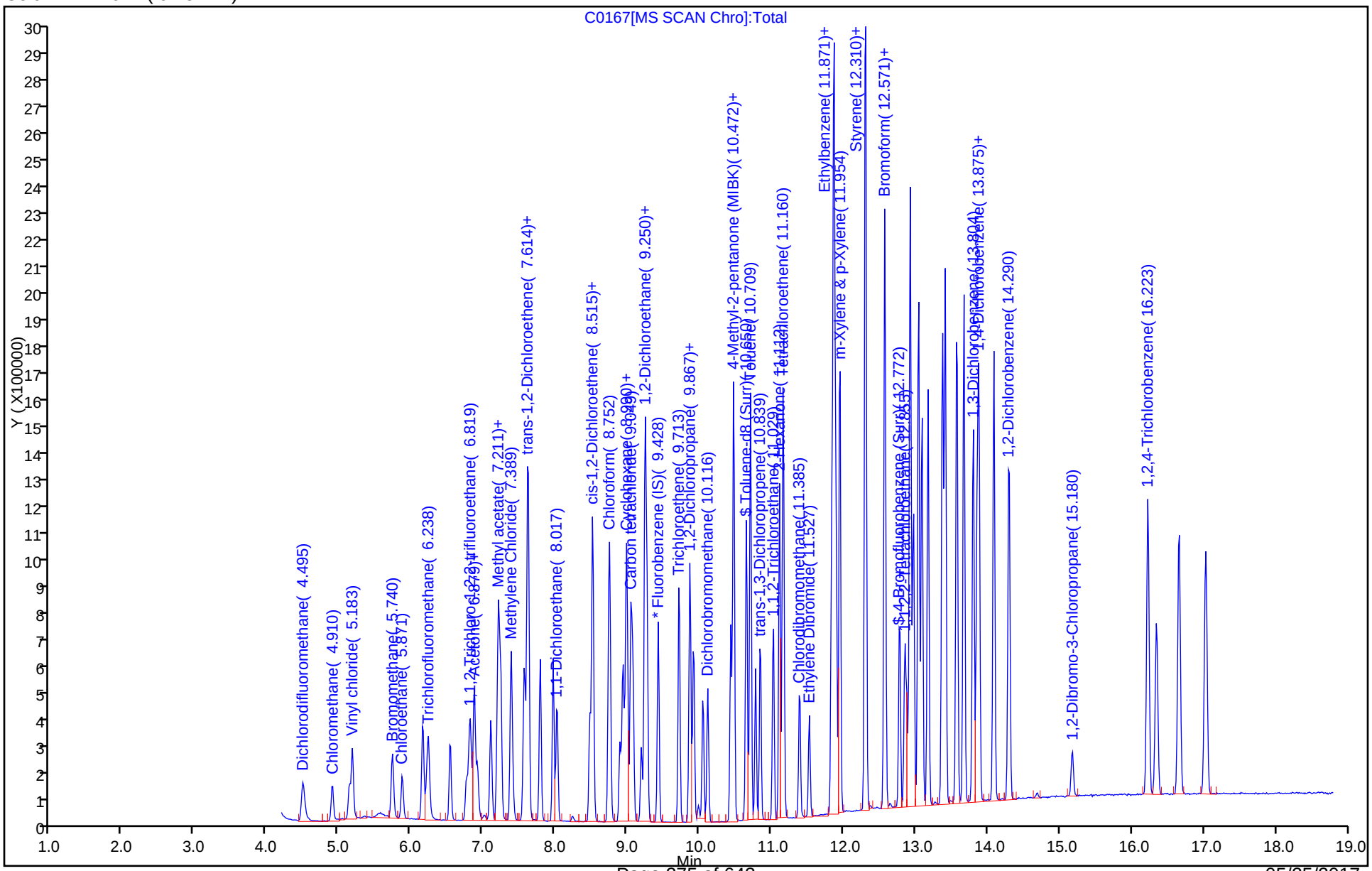
Report Date: 24-May-2017 10:25:17 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20170523-62738.b\C0167.D

Injection Date:	24-May-2017 07:30:30	Instrument ID:	HP5973C	Operator ID:	RR
Lims ID:	480-118149-C-3 MS			Worklist Smp#:	44
Client ID:	MW-8 20170516				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: MW-8 20170516 MSD | Lab Sample ID: 480-118149-3 MSD

Matrix: Water | Lab File ID: C0168.D

Analysis Method: 8260C | Date Collected: 05/16/2017 08:45

Sample wt/vol: 5(mL) | Date Analyzed: 05/24/2017 07:55

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 358793 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	27.1		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	22.3		1.0	0.21
79-00-5	1,1,2-Trichloroethane	23.5		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	24.5		1.0	0.31
75-34-3	1,1-Dichloroethane	24.8		1.0	0.38
75-35-4	1,1-Dichloroethene	26.2		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	24.0		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	21.1		1.0	0.39
106-93-4	1,2-Dibromoethane	23.9		1.0	0.73
95-50-1	1,2-Dichlorobenzene	24.0		1.0	0.79
107-06-2	1,2-Dichloroethane	25.1		1.0	0.21
78-87-5	1,2-Dichloropropane	25.1		1.0	0.72
541-73-1	1,3-Dichlorobenzene	24.3		1.0	0.78
106-46-7	1,4-Dichlorobenzene	24.0		1.0	0.84
591-78-6	2-Hexanone	106		5.0	1.2
78-93-3	2-Butanone (MEK)	109		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	109		5.0	2.1
67-64-1	Acetone	108		10	3.0
71-43-2	Benzene	25.1		1.0	0.41
75-27-4	Bromodichloromethane	26.0		1.0	0.39
75-25-2	Bromoform	24.8		1.0	0.26
74-83-9	Bromomethane	25.8		1.0	0.69
75-15-0	Carbon disulfide	26.2		1.0	0.19
56-23-5	Carbon tetrachloride	27.5		1.0	0.27
108-90-7	Chlorobenzene	24.6		1.0	0.75
124-48-1	Dibromochloromethane	24.8		1.0	0.32
75-00-3	Chloroethane	25.7		1.0	0.32
67-66-3	Chloroform	24.4		1.0	0.34
74-87-3	Chloromethane	24.5		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	24.1		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	24.7		1.0	0.36
110-82-7	Cyclohexane	23.7		1.0	0.18
75-71-8	Dichlorodifluoromethane	25.3		1.0	0.68
100-41-4	Ethylbenzene	24.8		1.0	0.74
98-82-8	Isopropylbenzene	24.5		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: MW-8 20170516 MSD | Lab Sample ID: 480-118149-3 MSD

Matrix: Water | Lab File ID: C0168.D

Analysis Method: 8260C | Date Collected: 05/16/2017 08:45

Sample wt/vol: 5(mL) | Date Analyzed: 05/24/2017 07:55

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 358793 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	107		2.5	1.3
1634-04-4	Methyl tert-butyl ether	24.2		1.0	0.16
108-87-2	Methylcyclohexane	24.1		1.0	0.16
75-09-2	Methylene Chloride	25.4		1.0	0.44
100-42-5	Styrene	24.9		1.0	0.73
127-18-4	Tetrachloroethene	25.2		1.0	0.36
108-88-3	Toluene	25.1		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	23.9		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	23.8		1.0	0.37
79-01-6	Trichloroethene	25.6		1.0	0.46
75-69-4	Trichlorofluoromethane	27.6		1.0	0.88
75-01-4	Vinyl chloride	26.5		1.0	0.90
1330-20-7	Xylenes, Total	49.8		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
2037-26-5	Toluene-d8 (Surr)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	104		73-120
1868-53-7	Dibromofluoromethane (Surr)	105		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20170523-62738.b\C0168.D
Lims ID: 480-118149-C-3 MSD
Client ID: MW-8 20170516
Sample Type: MSD
Inject. Date: 24-May-2017 07:55:30 ALS Bottle#: 24 Worklist Smp#: 45
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-118149-C-3 MSD
Misc. Info.: 480-0062738-045
Operator ID: RR Instrument ID: HP5973C

Method: \\ChromNA\Buffalo\ChromData\HP5973C\20170523-62738.b\C-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 24-May-2017 10:24:45 Calib Date: 22-May-2017 22:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973C\20170522-62694.b\C0117.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: farrellr Date: 24-May-2017 10:25:41

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	9.428	9.428	0.000	100	122086	25.0	25.0	
* 2 Chlorobenzene-d5	82	11.836	11.835	0.001	81	302584	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.852	13.851	0.001	93	351890	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	8.895	8.895	0.000	94	180530	25.0	26.4	
$ 4 1,2-Dichloroethane-d4 (Sur	67	9.191	9.191	0.000	97	98195	25.0	25.6	
$ 5 Toluene-d8 (Surr)	98	10.650	10.650	0.000	92	743651	25.0	24.9	
$ 6 4-Bromofluorobenzene (Surr	174	12.784	12.784	0.000	98	261955	25.0	26.0	
10 Dichlorodifluoromethane	85	4.519	4.507	0.012	99	285104	25.0	25.3	
12 Chloromethane	50	4.922	4.910	0.012	99	181879	25.0	24.5	
13 Vinyl chloride	62	5.159	5.147	0.012	98	173980	25.0	26.5	
14 Bromomethane	94	5.752	5.740	0.012	90	221563	25.0	25.8	
15 Chloroethane	64	5.883	5.882	0.001	100	184864	25.0	25.7	
17 Trichlorofluoromethane	101	6.250	6.238	0.012	98	445794	25.0	27.6	
21 1,1,2-Trichloro-1,2,2-trif	101	6.819	6.819	0.000	91	233785	25.0	24.5	
22 1,1-Dichloroethene	96	6.879	6.879	0.000	96	253854	25.0	26.2	
23 Acetone	43	6.926	6.926	0.000	100	274026	125.0	108.1	
26 Carbon disulfide	76	7.211	7.199	0.012	100	871546	25.0	26.2	
27 Methyl acetate	43	7.223	7.223	0.001	97	700236	125.0	107.0	
30 Methylene Chloride	84	7.389	7.389	0.000	90	270503	25.0	25.4	
32 Methyl tert-butyl ether	73	7.578	7.566	0.012	95	697609	25.0	24.2	
34 trans-1,2-Dichloroethene	96	7.638	7.626	0.012	96	282348	25.0	23.9	
39 1,1-Dichloroethane	63	8.029	8.029	0.000	96	427400	25.0	24.8	
43 2-Butanone (MEK)	43	8.480	8.480	0.000	99	457900	125.0	109.1	
45 cis-1,2-Dichloroethene	96	8.527	8.515	0.012	79	324077	25.0	24.1	
50 Chloroform	83	8.752	8.752	0.000	93	457875	25.0	24.4	
51 1,1,1-Trichloroethane	97	8.942	8.942	0.000	97	425229	25.0	27.1	
52 Cyclohexane	56	8.990	8.989	0.001	93	421180	25.0	23.7	
55 Carbon tetrachloride	117	9.084	9.072	0.012	96	388212	25.0	27.5	
57 Benzene	78	9.250	9.238	0.012	95	1047267	25.0	25.1	
58 1,2-Dichloroethane	62	9.262	9.250	0.012	98	336261	25.0	25.1	
62 Trichloroethene	95	9.713	9.713	0.000	93	285583	25.0	25.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83	9.867	9.867	0.000	87	410950	25.0	24.1	
65 1,2-Dichloropropane	63	9.926	9.914	0.012	96	261456	25.0	25.1	
68 Dichlorobromomethane	83	10.116	10.116	0.000	99	322706	25.0	26.0	
72 cis-1,3-Dichloropropene	75	10.436	10.436	0.000	98	415726	25.0	24.7	
73 4-Methyl-2-pentanone (MIBK	43	10.472	10.472	0.000	95	1040771	125.0	108.6	
74 Toluene	92	10.709	10.709	0.000	99	739448	25.0	25.1	
77 trans-1,3-Dichloropropene	75	10.851	10.839	0.012	91	382498	25.0	23.8	
79 1,1,2-Trichloroethane	83	11.029	11.029	0.000	88	200830	25.0	23.5	
80 2-Hexanone	43	11.112	11.112	0.000	94	739110	125.0	106.0	
81 Tetrachloroethene	166	11.160	11.160	0.000	96	359352	25.0	25.2	
83 Chlorodibromomethane	129	11.385	11.385	0.000	89	286796	25.0	24.8	
84 Ethylene Dibromide	107	11.527	11.527	0.000	98	266226	25.0	23.9	
87 Chlorobenzene	112	11.859	11.859	0.000	97	891115	25.0	24.6	
88 Ethylbenzene	91	11.871	11.871	0.000	96	1403026	25.0	24.8	
90 m-Xylene & p-Xylene	106	11.954	11.954	0.000	100	598875		25.0	
91 o-Xylene	106	12.298	12.298	0.000	94	589159		24.8	
92 Styrene	104	12.310	12.310	0.000	94	912433	25.0	24.9	
94 Isopropylbenzene	105	12.571	12.571	0.000	95	1511072	25.0	24.5	
95 Bromoform	173	12.583	12.583	0.000	98	174063	25.0	24.8	
97 1,1,2,2-Tetrachloroethane	83	12.855	12.855	0.000	96	315036	25.0	22.3	
111 1,3-Dichlorobenzene	146	13.804	13.804	0.000	96	794420	25.0	24.3	
113 1,4-Dichlorobenzene	146	13.875	13.875	0.000	96	804506	25.0	24.0	
116 1,2-Dichlorobenzene	146	14.302	14.302	0.000	99	765667	25.0	24.0	
117 1,2-Dibromo-3-Chloropropan	75	15.180	15.180	0.000	90	49943	25.0	21.1	
119 1,2,4-Trichlorobenzene	180	16.223	16.223	0.000	95	557488	25.0	24.0	
S 124 Xylenes, Total	1				0			49.8	

Reagents:

8260 CORP mix_00099	Amount Added: 12.50	Units: uL	
GAS CORP mix_00221	Amount Added: 12.50	Units: uL	
C_8260_IS_00085	Amount Added: 1.00	Units: uL	Run Reagent
C_8260_Surr_00092	Amount Added: 1.00	Units: uL	Run Reagent

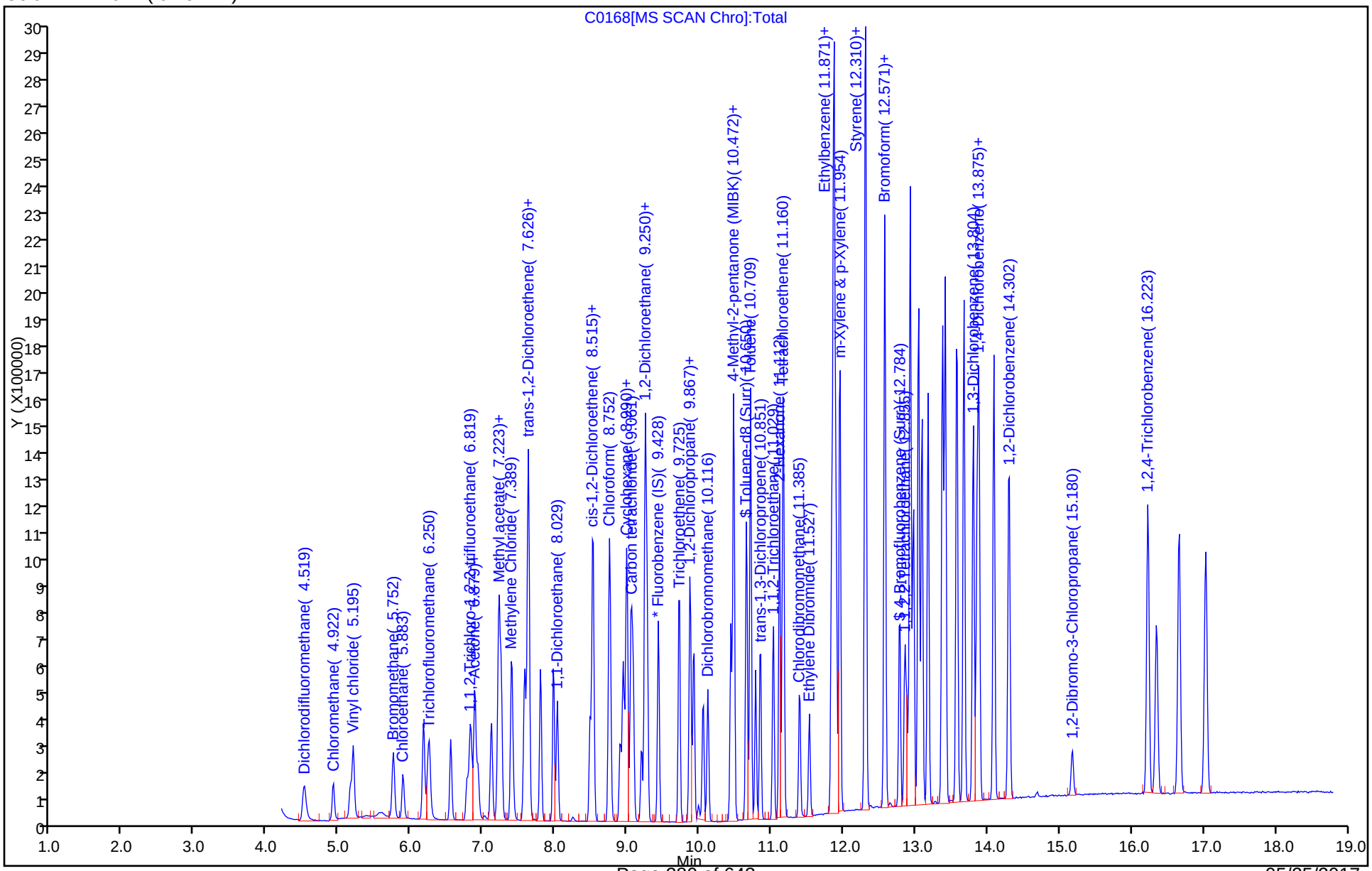
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TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973C\20170523-62738.b\C0168.D

Injection Date:	24-May-2017 07:55:30	Instrument ID:	HP5973C	Operator ID:	RR
Lims ID:	480-118149-C-3 MSD			Worklist Smp#:	45
Client ID:	MW-8 20170516				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	C-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Instrument ID: HP5973C Start Date: 05/22/2017 13:56

Analysis Batch Number: 358504 End Date: 05/23/2017 00:18

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-358504/6		05/22/2017 13:56	1	C0097.D	ZB-624 (60) 0.25(mm)
IC 480-358504/8		05/22/2017 14:55	1	C0099.D	ZB-624 (60) 0.25(mm)
IC 480-358504/9		05/22/2017 15:20	1	C0100.D	ZB-624 (60) 0.25(mm)
IC 480-358504/10		05/22/2017 15:45	1	C0101.D	ZB-624 (60) 0.25(mm)
IC 480-358504/11		05/22/2017 16:10	1	C0102.D	ZB-624 (60) 0.25(mm)
IC 480-358504/12		05/22/2017 16:35	1	C0103.D	ZB-624 (60) 0.25(mm)
ICIS 480-358504/13		05/22/2017 17:01	1	C0104.D	ZB-624 (60) 0.25(mm)
IC 480-358504/14		05/22/2017 17:26	1	C0105.D	ZB-624 (60) 0.25(mm)
IC 480-358504/15		05/22/2017 17:51	1	C0106.D	ZB-624 (60) 0.25(mm)
MDLV 480-358504/17		05/22/2017 18:42	1		ZB-624 (60) 0.25(mm)
IC 480-358504/20		05/22/2017 20:05	1		ZB-624 (60) 0.25(mm)
IC 480-358504/21		05/22/2017 20:30	1		ZB-624 (60) 0.25(mm)
IC 480-358504/22		05/22/2017 20:55	1		ZB-624 (60) 0.25(mm)
IC 480-358504/23		05/22/2017 21:20	1		ZB-624 (60) 0.25(mm)
IC 480-358504/24		05/22/2017 21:46	1		ZB-624 (60) 0.25(mm)
IC 480-358504/25		05/22/2017 22:11	1		ZB-624 (60) 0.25(mm)
IC 480-358504/26		05/22/2017 22:36	1		ZB-624 (60) 0.25(mm)
MDLV 480-358504/28		05/22/2017 23:27	1		ZB-624 (60) 0.25(mm)
ICV 480-358504/29		05/22/2017 23:53	1		ZB-624 (60) 0.25(mm)
ICV 480-358504/30		05/23/2017 00:18	1		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Instrument ID: HP5973C Start Date: 05/23/2017 22:23

Analysis Batch Number: 358793 End Date: 05/24/2017 07:55

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-358793/2		05/23/2017 22:23	1	C0145.D	ZB-624 (60) 0.25(mm)
CCVIS 480-358793/3		05/23/2017 22:51	1	C0146.D	ZB-624 (60) 0.25(mm)
LCS 480-358793/5		05/23/2017 23:16	1	C0148.D	ZB-624 (60) 0.25(mm)
MB 480-358793/7		05/24/2017 00:06	1	C0150.D	ZB-624 (60) 0.25(mm)
ZZZZZ		05/24/2017 00:45	1		ZB-624 (60) 0.25(mm)
ZZZZZ		05/24/2017 01:10	1		ZB-624 (60) 0.25(mm)
ZZZZZ		05/24/2017 01:35	1		ZB-624 (60) 0.25(mm)
ZZZZZ		05/24/2017 02:01	1		ZB-624 (60) 0.25(mm)
ZZZZZ		05/24/2017 02:26	1		ZB-624 (60) 0.25(mm)
480-118149-1		05/24/2017 02:51	1	C0156.D	ZB-624 (60) 0.25(mm)
480-118149-2		05/24/2017 03:17	1	C0157.D	ZB-624 (60) 0.25(mm)
480-118149-3		05/24/2017 03:42	1	C0158.D	ZB-624 (60) 0.25(mm)
480-118149-4		05/24/2017 04:07	1	C0159.D	ZB-624 (60) 0.25(mm)
480-118149-5		05/24/2017 04:33	1	C0160.D	ZB-624 (60) 0.25(mm)
480-118149-6		05/24/2017 04:58	1	C0161.D	ZB-624 (60) 0.25(mm)
480-118149-7		05/24/2017 05:23	1	C0162.D	ZB-624 (60) 0.25(mm)
480-118149-8		05/24/2017 05:49	1	C0163.D	ZB-624 (60) 0.25(mm)
ZZZZZ		05/24/2017 06:14	2		ZB-624 (60) 0.25(mm)
ZZZZZ		05/24/2017 06:39	1		ZB-624 (60) 0.25(mm)
ZZZZZ		05/24/2017 07:05	1		ZB-624 (60) 0.25(mm)
480-118149-3 MS		05/24/2017 07:30	1	C0167.D	ZB-624 (60) 0.25(mm)
480-118149-3 MSD		05/24/2017 07:55	1	C0168.D	ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Instrument ID: HP5973S Start Date: 05/15/2017 22:12

Analysis Batch Number: 357500 End Date: 05/16/2017 07:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-357500/2		05/15/2017 22:12	1	S6632.D	ZB-624 (20) 0.18(mm)
IC 480-357500/4		05/15/2017 22:59	1	S6634.D	ZB-624 (20) 0.18(mm)
IC 480-357500/5		05/15/2017 23:22	1	S6635.D	ZB-624 (20) 0.18(mm)
IC 480-357500/6		05/15/2017 23:45	1	S6636.D	ZB-624 (20) 0.18(mm)
IC 480-357500/7		05/16/2017 00:08	1	S6637.D	ZB-624 (20) 0.18(mm)
IC 480-357500/8		05/16/2017 00:31	1	S6638.D	ZB-624 (20) 0.18(mm)
ICIS 480-357500/9		05/16/2017 00:54	1	S6639.D	ZB-624 (20) 0.18(mm)
IC 480-357500/10		05/16/2017 01:17	1	S6640.D	ZB-624 (20) 0.18(mm)
IC 480-357500/11		05/16/2017 01:41	1	S6641.D	ZB-624 (20) 0.18(mm)
ZZZZZ		05/16/2017 02:04	1		ZB-624 (20) 0.18(mm)
MDLV 480-357500/13		05/16/2017 02:27	1		ZB-624 (20) 0.18(mm)
MDLV 480-357500/14		05/16/2017 02:50	1		ZB-624 (20) 0.18(mm)
IC 480-357500/16		05/16/2017 03:36	1		ZB-624 (20) 0.18(mm)
IC 480-357500/17		05/16/2017 03:59	1		ZB-624 (20) 0.18(mm)
IC 480-357500/18		05/16/2017 04:23	1		ZB-624 (20) 0.18(mm)
IC 480-357500/19		05/16/2017 04:46	1		ZB-624 (20) 0.18(mm)
IC 480-357500/20		05/16/2017 05:09	1		ZB-624 (20) 0.18(mm)
IC 480-357500/21		05/16/2017 05:32	1		ZB-624 (20) 0.18(mm)
IC 480-357500/22		05/16/2017 05:55	1		ZB-624 (20) 0.18(mm)
MDLV 480-357500/24		05/16/2017 06:41	1		ZB-624 (20) 0.18(mm)
ICV 480-357500/25		05/16/2017 07:04	1		ZB-624 (20) 0.18(mm)
ICV 480-357500/26		05/16/2017 07:28	1		ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Instrument ID: HP5973S Start Date: 05/17/2017 20:55

Analysis Batch Number: 357930 End Date: 05/18/2017 08:02

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-357930/1		05/17/2017 20:55	1	S6732.D	ZB-624 (20) 0.18(mm)
CCVIS 480-357930/2		05/17/2017 21:20	1	S6733.D	ZB-624 (20) 0.18(mm)
CCV 480-357930/3		05/17/2017 21:43	1		ZB-624 (20) 0.18(mm)
LCS 480-357930/4		05/17/2017 22:20	1	S6735.D	ZB-624 (20) 0.18(mm)
MB 480-357930/6		05/17/2017 23:23	1	S6737.D	ZB-624 (20) 0.18(mm)
RL 480-357930/7		05/18/2017 00:08	1		ZB-624 (20) 0.18(mm)
ZZZZZ		05/18/2017 00:43	1		ZB-624 (20) 0.18(mm)
ZZZZZ		05/18/2017 01:06	1		ZB-624 (20) 0.18(mm)
ZZZZZ		05/18/2017 01:29	20		ZB-624 (20) 0.18(mm)
ZZZZZ		05/18/2017 01:52	20		ZB-624 (20) 0.18(mm)
ZZZZZ		05/18/2017 02:15	1		ZB-624 (20) 0.18(mm)
ZZZZZ		05/18/2017 02:38	1		ZB-624 (20) 0.18(mm)
ZZZZZ		05/18/2017 03:01	1		ZB-624 (20) 0.18(mm)
ZZZZZ		05/18/2017 03:24	1		ZB-624 (20) 0.18(mm)
ZZZZZ		05/18/2017 03:48	1		ZB-624 (20) 0.18(mm)
ZZZZZ		05/18/2017 04:11	1		ZB-624 (20) 0.18(mm)
ZZZZZ		05/18/2017 04:34	1		ZB-624 (20) 0.18(mm)
ZZZZZ		05/18/2017 04:57	1		ZB-624 (20) 0.18(mm)
ZZZZZ		05/18/2017 05:20	1		ZB-624 (20) 0.18(mm)
ZZZZZ		05/18/2017 05:43	1		ZB-624 (20) 0.18(mm)
ZZZZZ		05/18/2017 06:06	1		ZB-624 (20) 0.18(mm)
ZZZZZ		05/18/2017 06:30	1		ZB-624 (20) 0.18(mm)
ZZZZZ		05/18/2017 06:53	1		ZB-624 (20) 0.18(mm)
480-118149-9		05/18/2017 07:16	1	S6756.D	ZB-624 (20) 0.18(mm)
ZZZZZ		05/18/2017 07:39	20		ZB-624 (20) 0.18(mm)
ZZZZZ		05/18/2017 08:02	20		ZB-624 (20) 0.18(mm)

GC/MS VOA Worksheet

Batch Number: 480-357930
Method: 8260C
Analyst: Archer, Nicholas E

Date Open: May 17 2017 8:55PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial pH	Initial weight/volume of sample	Final weight/volume of sample	Instrument	2MTP_WRK_00061	3MTP_WRK_00063
BFB~480-357930/1		8260C			1 uL	1 uL	HP5973S		
CCVIS~480-357930/2		8260C			5 mL	5 mL	HP5973S		
CCV~480-357930/3		8260C			5 mL	5 mL	HP5973S	12.5 uL	12.5 uL
LCS~480-357930/4		8260C			5 mL	5 mL	HP5973S		
MB~480-357930/6		8260C			5 mL	5 mL	HP5973S		
RL~480-357930/7					5 mL	5 mL	HP5973S		
480-117704-A-5	TRIP BLANK-11	8260C	T	<2 SU	5 mL	5 mL	HP5973S		
480-117705-L-1	MW24AR	8260C	T	<2 SU	5 mL	5 mL	HP5973S		
480-118097-Z-1	L303	8260C	T	7 SU	5 mL	5 mL	HP5973S		
480-118097-Z-2	L305	8260C	T	7 SU	5 mL	5 mL	HP5973S		
480-118097-A-3	TB	8260C	T	7 SU	5 mL	5 mL	HP5973S		
480-118101-G-1	MW-19R	8260C	T	7 SU	5 mL	5 mL	HP5973S		
480-118101-G-2	Duplicate	8260C	T	7 SU	5 mL	5 mL	HP5973S		
480-118106-A-1	DUPLICATE	8260C	T	7 SU	5 mL	5 mL	HP5973S		
480-118106-H-2	MW-9L	8260C	T	7 SU	5 mL	5 mL	HP5973S		
480-118106-H-3	MW-10L	8260C	T	7 SU	5 mL	5 mL	HP5973S		
480-118106-H-4	MW-1L	8260C	T	7 SU	5 mL	5 mL	HP5973S		
480-118106-H-5	MW-1U	8260C	T	7 SU	5 mL	5 mL	HP5973S		
480-118106-H-6	MW-2L	8260C	T	7 SU	5 mL	5 mL	HP5973S		
480-118106-H-7	MW-3L	8260C	T	7 SU	5 mL	5 mL	HP5973S		
480-118106-H-8	MW-3M	8260C	T	7 SU	5 mL	5 mL	HP5973S		
480-118106-H-9	MW-4L	8260C	T	7 SU	5 mL	5 mL	HP5973S		
480-118106-H-10	MW-4U	8260C	T	7 SU	5 mL	5 mL	HP5973S		
480-118149-A-9	TRIP BLANK	8260C	T	<2 SU	5 mL	5 mL	HP5973S		
480-118097-Z-1~MS		8260C	T	7 SU	5 mL	5 mL	HP5973S		

GC/MS VOA Worksheet

Batch Number: 480-357930
Method: 8260C
Analyst: Archer, Nicholas E

Date Open: May 17 2017 8:55PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	8260 CORP mix_00098	ADD CORP mix_00057	BFB_WRK_00061	GAS CORP mix_00220	S_8260_IS_00230	S_8260_Surr_00198
BFB~480-357930/1		8260C				1 uL			
CCVIS~480-357930/2		8260C		12.5 uL			12.5 uL	1 uL	1 uL
CCV~480-357930/3		8260C			12.5 uL			1 uL	1 uL
LCS~480-357930/4		8260C		12.5 uL			12.5 uL	1 uL	1 uL
MB~480-357930/6		8260C						1 uL	1 uL
RL~480-357930/7				1 uL			1 uL	1 uL	1 uL
480-117704-A-5	TRIP BLANK-11	8260C	T					1 uL	1 uL
480-117705-L-1	MW24AR	8260C	T					1 uL	1 uL
480-118097-Z-1	L303	8260C	T					1 uL	1 uL
480-118097-Z-2	L305	8260C	T					1 uL	1 uL
480-118097-A-3	TB	8260C	T					1 uL	1 uL
480-118101-G-1	MW-19R	8260C	T					1 uL	1 uL
480-118101-G-2	Duplicate	8260C	T					1 uL	1 uL
480-118106-A-1	DUPLICATE	8260C	T					1 uL	1 uL
480-118106-H-2	MW-9L	8260C	T					1 uL	1 uL
480-118106-H-3	MW-10L	8260C	T					1 uL	1 uL
480-118106-H-4	MW-1L	8260C	T					1 uL	1 uL
480-118106-H-5	MW-1U	8260C	T					1 uL	1 uL
480-118106-H-6	MW-2L	8260C	T					1 uL	1 uL
480-118106-H-7	MW-3L	8260C	T					1 uL	1 uL
480-118106-H-8	MW-3M	8260C	T					1 uL	1 uL
480-118106-H-9	MW-4L	8260C	T					1 uL	1 uL
480-118106-H-10	MW-4U	8260C	T					1 uL	1 uL
480-118149-A-9	TRIP BLANK	8260C	T					1 uL	1 uL
480-118097-Z-1~MS		8260C	T	12.5 uL			12.5 uL	1 uL	1 uL

GC/MS VOA Worksheet

Batch Number: 480-357930
Method: 8260C
Analyst: Archer, Nicholas E

Date Open: May 17 2017 8:55PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial pH	Initial weight/volume of sample	Final weight/volume of sample	Instrument	2MTP_WRK_00061	3MTP_WRK_00063
480-118097-Z-1~MSD		8260C	T	7 SU	5 mL	5 mL	HP5973S		

GC/MS VOA Worksheet

Batch Number: 480-357930
Method: 8260C
Analyst: Archer, Nicholas E

Date Open: May 17 2017 8:55PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	8260 CORP mix_00098	ADD CORP mix_00057	BFB_WRK_00061	GAS CORP mix_00220	S_8260_IS_00230	S_8260_Surr_00198
480-118097-Z-1~MSD		8260C	T	12.5 uL			12.5 uL	1 uL	1 uL

GC/MS VOA Worksheet

Batch Number: 480-357930
Method: 8260C
Analyst: Archer, Nicholas E

Date Open: May 17 2017 8:55PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
BFB~480-357930/1		8260C		
CCVIS~480-357930/2		8260C		
CCV~480-357930/3		8260C		
LCS~480-357930/4		8260C		
MB~480-357930/6		8260C		
RL~480-357930/7				
480-117704-A-5	TRIP BLANK-11	8260C	T	
480-117705-L-1	MW24AR	8260C	T	
480-118097-Z-1	L303	8260C	T	RA - 5x
480-118097-Z-2	L305	8260C	T	RA - 5x
480-118097-A-3	TB	8260C	T	
480-118101-G-1	MW-19R	8260C	T	
480-118101-G-2	Duplicate	8260C	T	
480-118106-A-1	DUPLICATE	8260C	T	
480-118106-H-2	MW-9L	8260C	T	
480-118106-H-3	MW-10L	8260C	T	
480-118106-H-4	MW-1L	8260C	T	
480-118106-H-5	MW-1U	8260C	T	
480-118106-H-6	MW-2L	8260C	T	
480-118106-H-7	MW-3L	8260C	T	
480-118106-H-8	MW-3M	8260C	T	
480-118106-H-9	MW-4L	8260C	T	
480-118106-H-10	MW-4U	8260C	T	
480-118149-A-9	TRIP BLANK	8260C	T	
480-118097-Z-1~MS		8260C	T	

GC/MS VOA Worksheet

Batch Number: 480-357930
Method: 8260C
Analyst: Archer, Nicholas E

Date Open: May 17 2017 8:55PM
Batch End:

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
480-118097-Z-1~MSD		8260C	T	

GC/MS VOA Worksheet

Batch Number: 480-358793
Method: 8260C
Analyst: Farrell, Ryan J

Date Open: May 23 2017 10:23PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial pH	Initial weight/volume of sample	Final weight/volume of sample	Instrument	8260 CORP mix_00099	BFB_WRK_00061
BFB~480-358793/2		8260C			1 uL	1 uL	HP5973C		1 uL
CCVIS~480-358793/3		8260C			5 mL	5 mL	HP5973C	12.5 uL	
LCS~480-358793/5		8260C			5 mL	5 mL	HP5973C	12.5 uL	
MB~480-358793/7		8260C			5 mL	5 mL	HP5973C		
480-117970-B-4	MW- 14S	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-118076-N-14	G1L2	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-118076-N-15	G1M1	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-118076-N-16	G1M2	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-118076-N-17	G1K2	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-118149-C-1	MW-2R 20170515	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-118149-C-2	MW-4 20170515	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-118149-C-3	MW-8 20170516	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-118149-C-4	MW-7 20170516	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-118149-C-5	MW-5R 20170516	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-118149-C-6	MW-6 20170517	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-118149-C-7	FB-01-20170517	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-118149-C-8	FD-01-20170515	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-118198-A-5	SUMP-2	8260C	T	<2 SU	5 mL	5 mL	HP5973C		
480-118356-E-2	EQUIPMENT BLANK	8260C	T	7 SU	5 mL	5 mL	HP5973C		
480-118356-A-3	TRIP BLANK	8260C	T	7 SU	5 mL	5 mL	HP5973C		
480-118149-C-3~MS	MW-8 20170516	8260C	T	<2 SU	5 mL	5 mL	HP5973C	12.5 uL	
480-118149-C-3~MSD	MW-8 20170516	8260C	T	<2 SU	5 mL	5 mL	HP5973C	12.5 uL	

GC/MS VOA Worksheet

Batch Number: 480-358793
Method: 8260C
Analyst: Farrell, Ryan J

Date Open: May 23 2017 10:23PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	C_8260_IS_00085	C_8260_Surr_00092	GAS CORP mix_00221
BFB~480-358793/2		8260C				
CCVIS~480-358793/3		8260C		1 uL	1 uL	12.5 uL
LCS~480-358793/5		8260C		1 uL	1 uL	12.5 uL
MB~480-358793/7		8260C		1 uL	1 uL	
480-117970-B-4	MW- 14S	8260C	T	1 uL	1 uL	
480-118076-N-14	G1L2	8260C	T	1 uL	1 uL	
480-118076-N-15	G1M1	8260C	T	1 uL	1 uL	
480-118076-N-16	G1M2	8260C	T	1 uL	1 uL	
480-118076-N-17	G1K2	8260C	T	1 uL	1 uL	
480-118149-C-1	MW-2R 20170515	8260C	T	1 uL	1 uL	
480-118149-C-2	MW-4 20170515	8260C	T	1 uL	1 uL	
480-118149-C-3	MW-8 20170516	8260C	T	1 uL	1 uL	
480-118149-C-4	MW-7 20170516	8260C	T	1 uL	1 uL	
480-118149-C-5	MW-5R 20170516	8260C	T	1 uL	1 uL	
480-118149-C-6	MW-6 20170517	8260C	T	1 uL	1 uL	
480-118149-C-7	FB-01-20170517	8260C	T	1 uL	1 uL	
480-118149-C-8	FD-01-20170515	8260C	T	1 uL	1 uL	
480-118198-A-5	SUMP-2	8260C	T	1 uL	1 uL	
480-118356-E-2	EQUIPMENT BLANK	8260C	T	1 uL	1 uL	
480-118356-A-3	TRIP BLANK	8260C	T	1 uL	1 uL	
480-118149-C-3~MS	MW-8 20170516	8260C	T	1 uL	1 uL	12.5 uL
480-118149-C-3~MSD	MW-8 20170516	8260C	T	1 uL	1 uL	12.5 uL

Method 8082A

Polychlorinated Biphenyls (PCBs) (GC) by Method 8082A

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): ZB-35 ID: 0.53(mm) GC Column (2): ZB-5 ID: 0.53(mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCBP1 #	DCBP2 #
MW-2R 20170515	480-118149-1	89	96	88	98
MW-4 20170515	480-118149-2	70	81	56	66
MW-8 20170516	480-118149-3	74	86	47	53
MW-7 20170516	480-118149-4	73	79	56	65
MW-5R 20170516	480-118149-5	80	88	64	72
MW-6 20170517	480-118149-6	77	93	56	69
FB-01-20170517	480-118149-7	81	92	49	55
FD-01-20170515	480-118149-8	89	97	73	84
	MB 480-358167/1-A	81	84	57	62
	LCS 480-358167/2-A	78	97	55	55
MW-8 20170516 MS	480-118149-3 MS	72	92	51	50
MW-8 20170516 MSD	480-118149-3 MSD	70	90	54	54

	QC LIMITS
TCX = Tetrachloro-m-xylene	39-121
DCBP = DCB Decachlorobiphenyl	19-120

Column to be used to flag recovery values

FORM II 8082A

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 12_391m_069.D

Lab ID: LCS 480-358167/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
PCB-1016	4.00	4.10	103	62-130	
PCB-1260	4.00	4.09	102	56-123	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 12_391m_070.D

Lab ID: 480-118149-3 MS Client ID: MW-8 20170516 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
PCB-1016	4.00	ND	3.85	96	28-150	
PCB-1260	4.00	ND	2.20	55	25-131	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 12_391m_071.D

Lab ID: 480-118149-3 MSD Client ID: MW-8 20170516 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
PCB-1016	4.00	3.77	94	2	50	28-150	
PCB-1260	4.00	2.66	67	19	50	25-131	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Lab Sample ID: MB 480-358167/1-A

Matrix: Water Date Extracted: 05/19/2017 07:25

Lab File ID:(1) 12_391m_068.D Lab File ID:(2) 12_391m_068.D

Date Analyzed:(1) 05/19/2017 17:53 Date Analyzed:(2) 05/19/2017 17:53

Instrument ID:(1) HP5890-12 Instrument ID:(2) HP5890-12

GC Column:(1) ZB-35 ID: 0.53(mm) GC Column:(2) ZB-5 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 480-358167/2-A	05/19/2017 18:08	05/19/2017 18:08
MW-8 20170516 MS	480-118149-3 MS	05/19/2017 18:24	05/19/2017 18:24
MW-8 20170516 MSD	480-118149-3 MSD	05/19/2017 18:39	05/19/2017 18:39
MW-2R 20170515	480-118149-1	05/19/2017 18:54	05/19/2017 18:54
MW-4 20170515	480-118149-2	05/19/2017 19:10	05/19/2017 19:10
MW-8 20170516	480-118149-3	05/19/2017 19:25	05/19/2017 19:25
MW-7 20170516	480-118149-4	05/19/2017 19:40	05/19/2017 19:40
MW-5R 20170516	480-118149-5	05/19/2017 19:56	05/19/2017 19:56
MW-6 20170517	480-118149-6	05/19/2017 20:11	05/19/2017 20:11
FB-01-20170517	480-118149-7	05/19/2017 20:26	05/19/2017 20:26
FD-01-20170515	480-118149-8	05/19/2017 20:42	05/19/2017 20:42

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Sample No.: ICIS 480-356902/19 Date Analyzed: 05/11/2017 16:17

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm)

Lab File ID (Standard): 12_390m_216.D Heated Purge: (Y/N) N

Calibration ID: 30527

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1242256	1.32				
UPPER LIMIT		2484512	1.37				
LOWER LIMIT		621128	1.27				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-358279/4		1255678	1.32				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.05 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Sample No.: ICIS 480-356902/19 Date Analyzed: 05/11/2017 16:17

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm)

Lab File ID (Standard): 12_390m_216.D Heated Purge: (Y/N) N

Calibration ID: 30528

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1109432	1.62				
UPPER LIMIT		2218864	1.67				
LOWER LIMIT		554716	1.57				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-358279/4		1084165	1.62				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.05 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Sample No.: CCVIS 480-358279/4 Date Analyzed: 05/19/2017 14:32

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm)

Lab File ID (Standard): 12_391m_057.D Heated Purge: (Y/N) N

Calibration ID: 30555

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1255678	1.32				
UPPER LIMIT		2511356	1.37				
LOWER LIMIT		627839	1.27				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-358279/5		1058022	1.32				
CCV 480-358279/6		1220144	1.32				
CCV 480-358279/7		994430	1.32				
CCV 480-358279/8		1231923	1.32				
MB 480-358167/1-A		1092042	1.33				
LCS 480-358167/2-A		1042407	1.32				
480-118149-3 MS	MW-8 20170516 MS	1066914	1.32				
480-118149-3 MSD	MW-8 20170516 MSD	1115224	1.32				
480-118149-1	MW-2R 20170515	1039749	1.32				
480-118149-2	MW-4 20170515	1177989	1.32				
480-118149-3	MW-8 20170516	1133055	1.32				
480-118149-4	MW-7 20170516	1203794	1.32				
480-118149-5	MW-5R 20170516	1128519	1.32				
480-118149-6	MW-6 20170517	964992	1.32				
480-118149-7	FB-01-20170517	1121703	1.32				
480-118149-8	FD-01-20170515	1051918	1.32				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.05 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Sample No.: CCVIS 480-358279/4 Date Analyzed: 05/19/2017 14:32

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm)

Lab File ID (Standard): 12_391m_057.D Heated Purge: (Y/N) N

Calibration ID: 30556

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1084165	1.62				
UPPER LIMIT		2168330	1.67				
LOWER LIMIT		542083	1.57				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-358279/5		958160	1.62				
CCV 480-358279/6		1065808	1.62				
CCV 480-358279/7		905901	1.62				
CCV 480-358279/8		1070599	1.62				
MB 480-358167/1-A		975086	1.62				
LCS 480-358167/2-A		950608	1.62				
480-118149-3 MS	MW-8 20170516 MS	980661	1.62				
480-118149-3 MSD	MW-8 20170516 MSD	1026528	1.62				
480-118149-1	MW-2R 20170515	938679	1.62				
480-118149-2	MW-4 20170515	1063491	1.62				
480-118149-3	MW-8 20170516	1041204	1.62				
480-118149-4	MW-7 20170516	1070178	1.62				
480-118149-5	MW-5R 20170516	1004406	1.62				
480-118149-6	MW-6 20170517	878507	1.62				
480-118149-7	FB-01-20170517	1016571	1.62				
480-118149-8	FD-01-20170515	951013	1.62				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.05 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Client Sample ID: MW-8 20170516 MS Lab Sample ID: 480-118149-3 MS

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 05/19/2017 18:24 Date Analyzed (2): 05/19/2017 18:24

GC Column (1): ZB-35 ID: 0.53(mm) GC Column (2): ZB-5 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	2.62	2.59	2.65	4.07	3.85	10.4
		2	2.94	2.90	2.96	3.93		
		3	3.15	3.12	3.18	3.74		
		4	3.25	3.21	3.27	3.82		
		5	3.37	3.33	3.39	3.67		
	2	1	2.13	2.10	2.16	3.96	4.27	
		2	2.51	2.47	2.53	4.18		
		3	2.68	2.65	2.71	4.05		
		4	2.75	2.72	2.78	4.55		
		5	2.81	2.77	2.83	4.60		
PCB-1260	1	1	5.13	5.09	5.15	2.67	2.20	13.9
		2	5.45	5.41	5.47	2.22		
		3	5.52	5.48	5.54	2.11		
		4	5.58	5.55	5.61	2.02		
		5	5.95	5.92	5.98	2.00		
	2	1	4.18	4.15	4.21	3.06	2.53	
		2	4.40	4.37	4.43	2.96		
		3	4.53	4.49	4.55	2.32		
		4	4.71	4.67	4.73	2.37		
		5	5.14	5.11	5.17	1.96		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Client Sample ID: MW-8 20170516 MSD Lab Sample ID: 480-118149-3 MSD

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 05/19/2017 18:39 Date Analyzed (2): 05/19/2017 18:39

GC Column (1): ZB-35 ID: 0.53(mm) GC Column (2): ZB-5 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	2.62	2.59	2.65	4.06	3.77	9.9
		2	2.94	2.90	2.96	3.81		
		3	3.15	3.12	3.18	3.65		
		4	3.25	3.21	3.27	3.76		
		5	3.37	3.33	3.39	3.60		
	2	1	2.13	2.10	2.16	3.79	4.17	
		2	2.51	2.47	2.53	4.20		
		3	2.68	2.65	2.71	3.98		
		4	2.75	2.72	2.78	4.50		
		5	2.80	2.77	2.83	4.36		
PCB-1260	1	1	5.13	5.09	5.15	3.30	2.66	13.8
		2	5.45	5.41	5.47	2.63		
		3	5.51	5.48	5.54	2.61		
		4	5.58	5.55	5.61	2.46		
		5	5.95	5.92	5.98	2.32		
	2	1	4.18	4.15	4.21	3.61	3.06	
		2	4.40	4.37	4.43	3.58		
		3	4.52	4.49	4.55	2.85		
		4	4.71	4.67	4.73	2.86		
		5	5.14	5.11	5.17	2.40		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-358167/2-A

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 05/19/2017 18:08 Date Analyzed (2): 05/19/2017 18:08

GC Column (1): ZB-35 ID: 0.53(mm) GC Column (2): ZB-5 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	2.62	2.59	2.65	4.64	4.10	3.3
		2	2.94	2.90	2.96	4.11		
		3	3.15	3.12	3.18	3.88		
		4	3.25	3.21	3.27	4.04		
		5	3.37	3.33	3.39	3.84		
	2	1	2.13	2.10	2.16	4.11	3.97	
		2	2.51	2.47	2.53	3.65		
		3	2.68	2.65	2.71	3.98		
		4	2.75	2.72	2.78	4.26		
		5	2.81	2.77	2.83	3.86		
PCB-1260	1	1	5.13	5.09	5.15	4.61	4.09	7.3
		2	5.45	5.41	5.47	4.11		
		3	5.52	5.48	5.54	4.08		
		4	5.58	5.55	5.61	3.95		
		5	5.96	5.92	5.98	3.70		
	2	1	4.18	4.15	4.21	4.86	4.40	
		2	4.40	4.37	4.43	4.62		
		3	4.53	4.49	4.55	4.24		
		4	4.71	4.67	4.73	4.19		
		5	5.14	5.11	5.17	4.10		

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: MW-2R 20170515 | Lab Sample ID: 480-118149-1

Matrix: Water | Lab File ID: 12_391m_072.D

Analysis Method: 8082A | Date Collected: 05/15/2017 14:30

Extraction Method: 3510C | Date Extracted: 05/19/2017 07:25

Sample wt/vol: 250(mL) | Date Analyzed: 05/19/2017 18:54

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 358279 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	98		19-120
877-09-8	Tetrachloro-m-xylene	96		39-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_072.D
Lims ID: 480-118149-B-1-A
Client ID: MW-2R 20170515
Sample Type: Client
Inject. Date: 19-May-2017 18:54:48 ALS Bottle#: 0 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 22-May-2017 11:10:11 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK021

First Level Reviewer: owenj Date: 22-May-2017 11:10:20

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.323	1.322	0.001	1039749	0.5000	
2	1.618	1.618	0.000	938679	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.920	1.919	0.001	40382	0.0193	
2	2.209	2.207	0.002	29783	0.0177	
					RPD = 8.48	
$ 15 DCB Decachlorobiphenyl						
1	6.178	6.174	0.004	53577	0.0196	
2	7.238	7.229	0.009	44182	0.0175	
					RPD = 11.41	

Reagents:

COPPER_00070 Amount Added: 1.00 Units: g Run Reagent
PCB IS 1B2NB_00032 Amount Added: 20.00 Units: uL Run Reagent

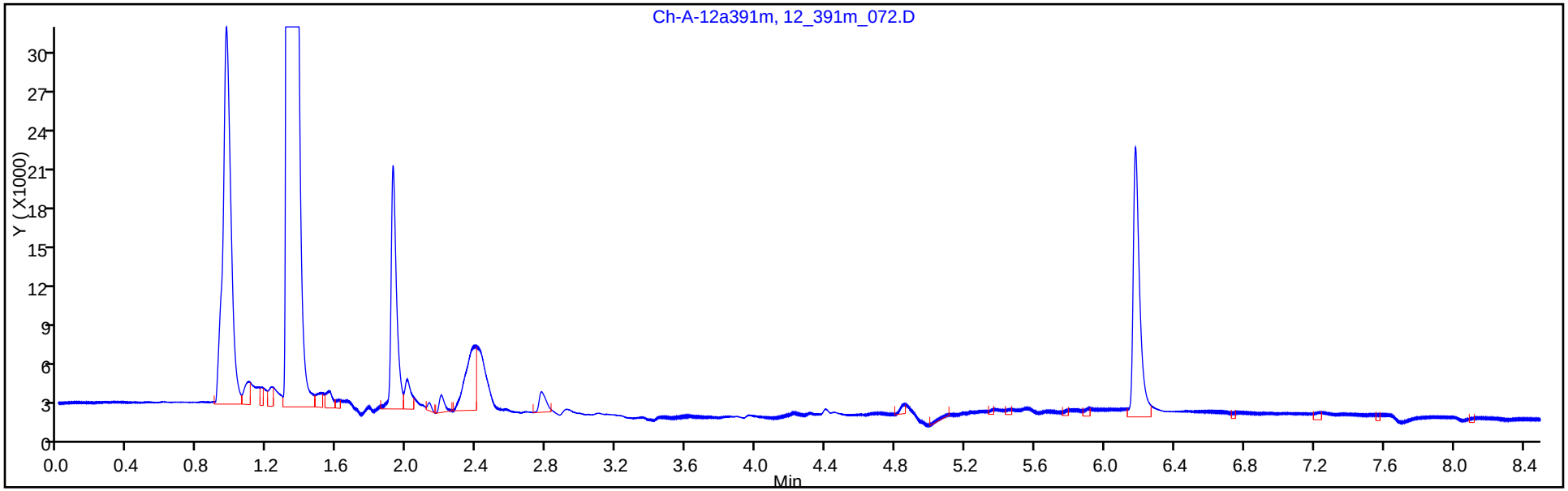
Report Date: 22-May-2017 11:10:20 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

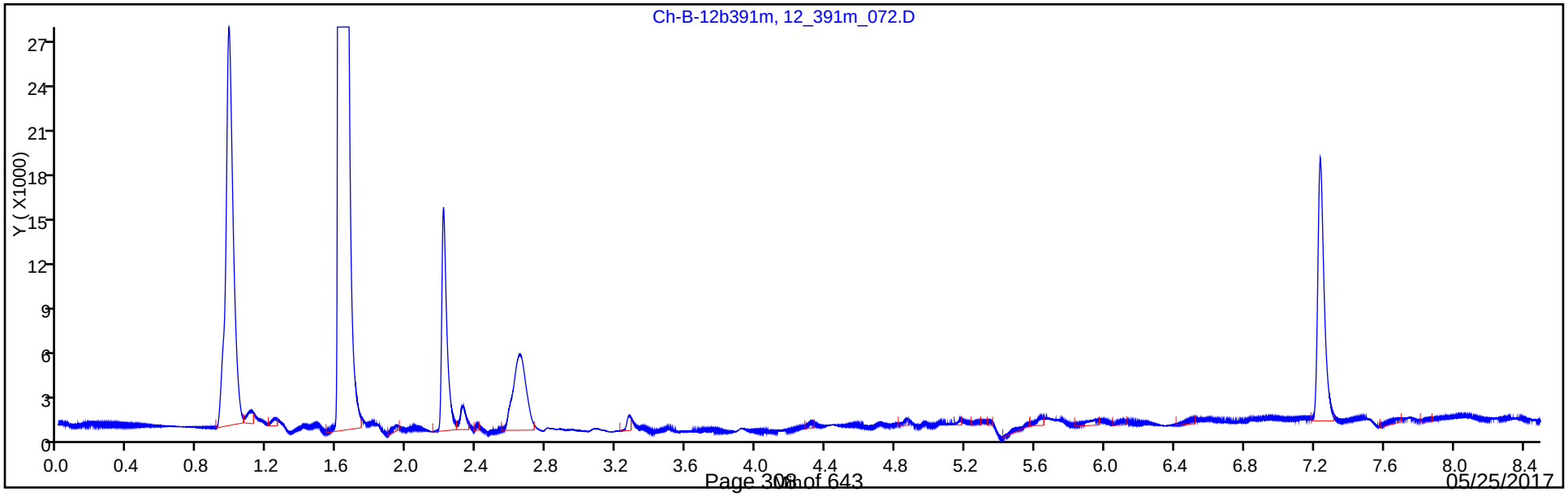
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_072.D

Injection Date:	19-May-2017 18:54:48	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-118149-B-1-A	Lab Sample ID:	480-118149-1	Worklist Smp#:	19
Client ID:	MW-2R 20170515				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: MW-2R 20170515 | Lab Sample ID: 480-118149-1

Matrix: Water | Lab File ID: 12_391m_072.D

Analysis Method: 8082A | Date Collected: 05/15/2017 14:30

Extraction Method: 3510C | Date Extracted: 05/19/2017 07:25

Sample wt/vol: 250(mL) | Date Analyzed: 05/19/2017 18:54

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 358279 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.50	0.18
11104-28-2	PCB-1221	ND		0.50	0.18
11141-16-5	PCB-1232	ND		0.50	0.18
53469-21-9	PCB-1242	ND		0.50	0.18
12672-29-6	PCB-1248	ND		0.50	0.18
11097-69-1	PCB-1254	ND		0.50	0.25
11096-82-5	PCB-1260	ND		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	88		19-120
877-09-8	Tetrachloro-m-xylene	89		39-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_072.D
Lims ID: 480-118149-B-1-A
Client ID: MW-2R 20170515
Sample Type: Client
Inject. Date: 19-May-2017 18:54:48 ALS Bottle#: 0 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 22-May-2017 11:10:11 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK021

First Level Reviewer: owenj Date: 22-May-2017 11:10:20

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.323	1.322	0.001	1039749	0.5000	
2	1.618	1.618	0.000	938679	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.920	1.919	0.001	40382	0.0193	
2	2.209	2.207	0.002	29783	0.0177	
					RPD = 8.48	
$ 15 DCB Decachlorobiphenyl						
1	6.178	6.174	0.004	53577	0.0196	
2	7.238	7.229	0.009	44182	0.0175	
					RPD = 11.41	

Reagents:

COPPER_00070	Amount Added: 1.00	Units: g	Run Reagent
PCB IS 1B2NB_00032	Amount Added: 20.00	Units: uL	Run Reagent

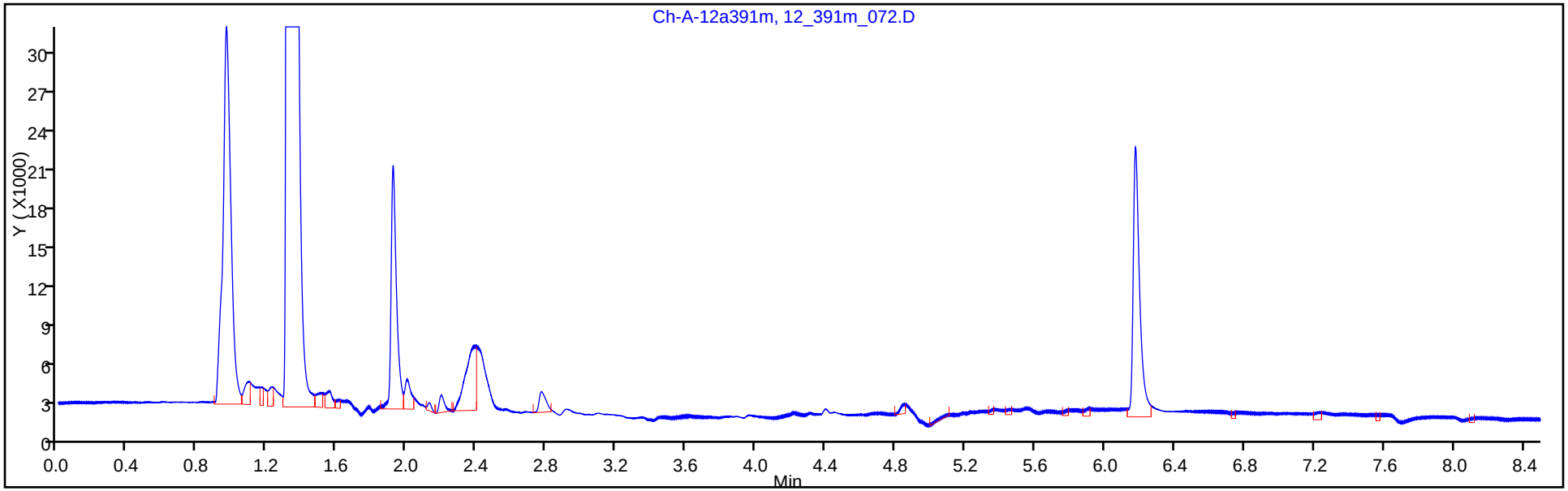
Report Date: 22-May-2017 11:10:21 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

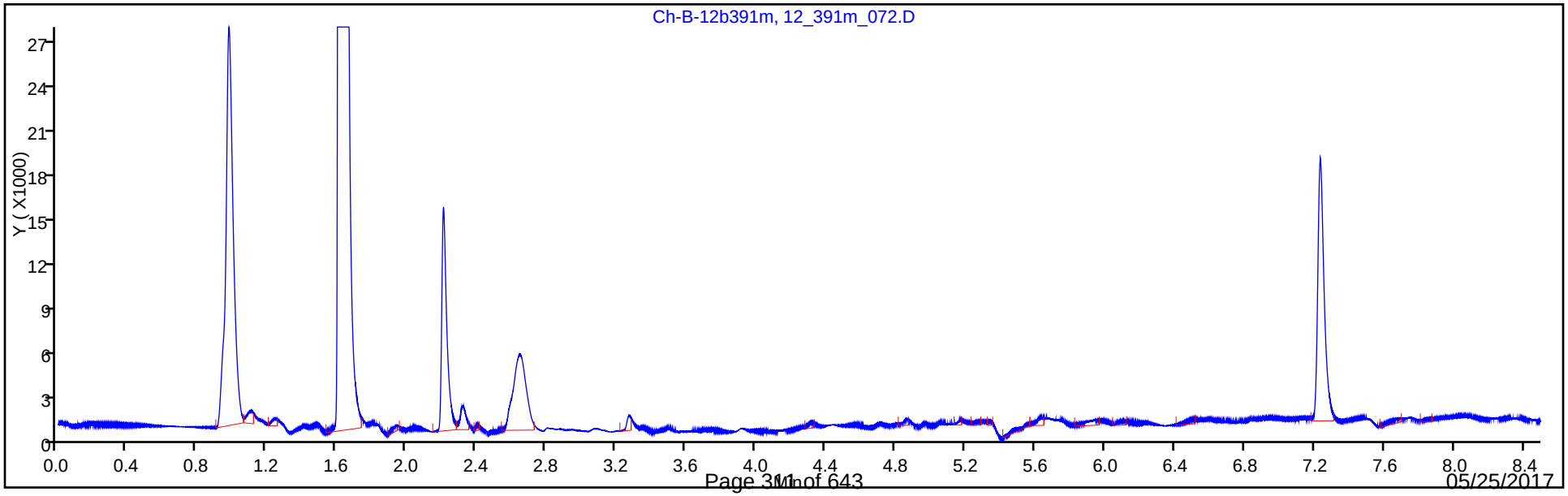
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_072.D

Injection Date:	19-May-2017 18:54:48	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-118149-B-1-A	Lab Sample ID:	480-118149-1	Worklist Smp#:	19
Client ID:	MW-2R 20170515				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: MW-4 20170515 | Lab Sample ID: 480-118149-2

Matrix: Water | Lab File ID: 12_391m_073.D

Analysis Method: 8082A | Date Collected: 05/15/2017 16:00

Extraction Method: 3510C | Date Extracted: 05/19/2017 07:25

Sample wt/vol: 250(mL) | Date Analyzed: 05/19/2017 19:10

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 358279 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	66		19-120
877-09-8	Tetrachloro-m-xylene	81		39-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_073.D
Lims ID: 480-118149-B-2-A
Client ID: MW-4 20170515
Sample Type: Client
Inject. Date: 19-May-2017 19:10:10 ALS Bottle#: 0 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 22-May-2017 11:10:11 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK021

First Level Reviewer: owenj Date: 22-May-2017 11:10:26

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.323	1.322	0.001	1177989	0.5000	
2	1.619	1.618	0.001	1063491	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.921	1.919	0.002	38545	0.0163	
2	2.211	2.207	0.004	26593	0.0140	
					RPD = 15.17	
2 1260 Res 1						
1	5.112	5.142	-0.030	610	NC	
2	5.489	5.481	0.008	611	NC	
$ 15 DCB Decachlorobiphenyl						
1	6.179	6.174	0.005	40606	0.0131	
2	7.238	7.229	0.009	32150	0.0112	
					RPD = 15.77	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

COPPER_00070	Amount Added: 1.00	Units: g	Run Reagent
PCB IS 1B2NB_00032	Amount Added: 20.00	Units: uL	Run Reagent

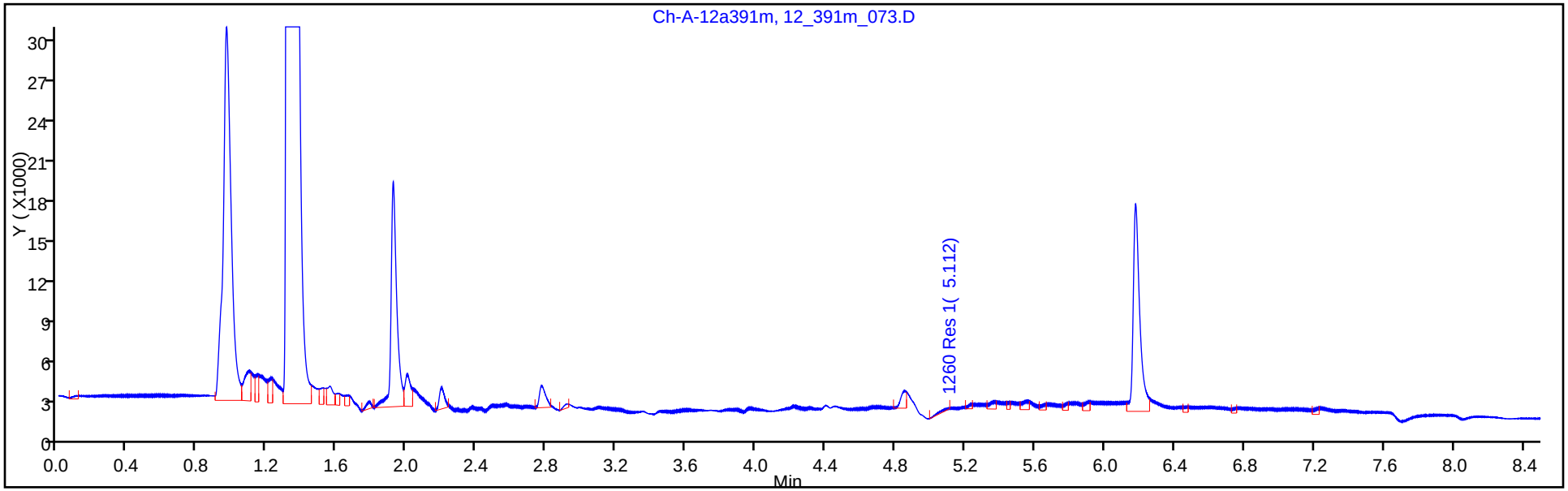
Report Date: 22-May-2017 11:10:27 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

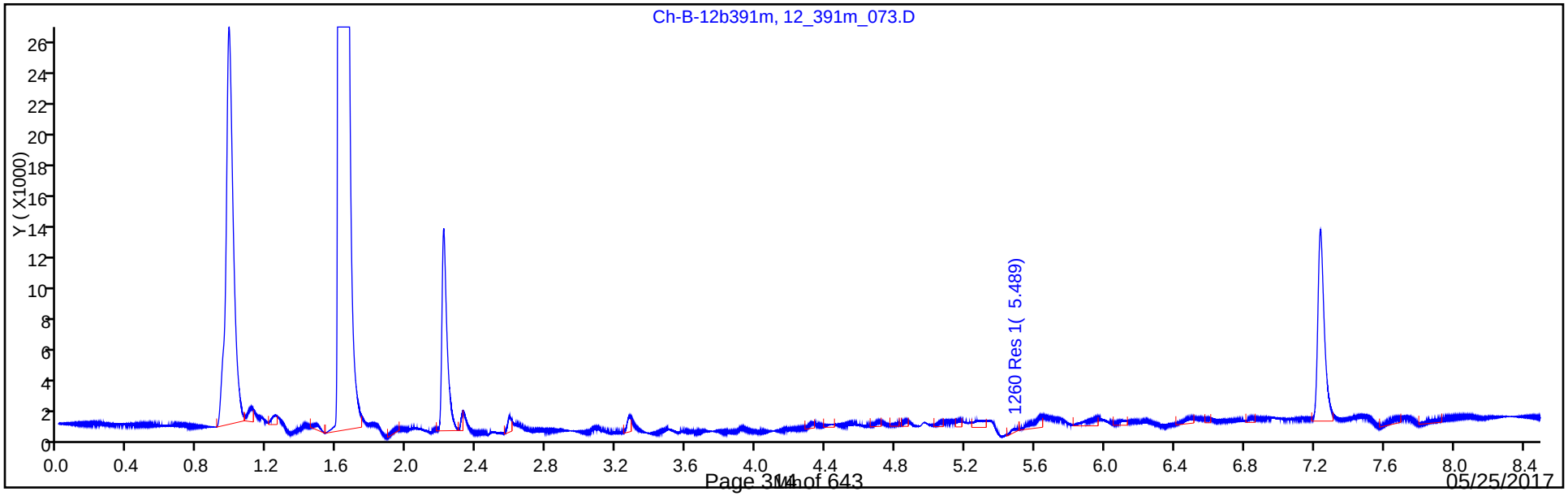
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_073.D

Injection Date:	19-May-2017 19:10:10	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-118149-B-2-A	Lab Sample ID:	480-118149-2	Worklist Smp#:	20
Client ID:	MW-4 20170515				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: MW-4 20170515 | Lab Sample ID: 480-118149-2

Matrix: Water | Lab File ID: 12_391m_073.D

Analysis Method: 8082A | Date Collected: 05/15/2017 16:00

Extraction Method: 3510C | Date Extracted: 05/19/2017 07:25

Sample wt/vol: 250(mL) | Date Analyzed: 05/19/2017 19:10

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 358279 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.50	0.18
11104-28-2	PCB-1221	ND		0.50	0.18
11141-16-5	PCB-1232	ND		0.50	0.18
53469-21-9	PCB-1242	ND		0.50	0.18
12672-29-6	PCB-1248	ND		0.50	0.18
11097-69-1	PCB-1254	ND		0.50	0.25
11096-82-5	PCB-1260	ND		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	56		19-120
877-09-8	Tetrachloro-m-xylene	70		39-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_073.D
Lims ID: 480-118149-B-2-A
Client ID: MW-4 20170515
Sample Type: Client
Inject. Date: 19-May-2017 19:10:10 ALS Bottle#: 0 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 22-May-2017 11:10:11 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK021

First Level Reviewer: owenj Date: 22-May-2017 11:10:26

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.323	1.322	0.001	1177989	0.5000	
2	1.619	1.618	0.001	1063491	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.921	1.919	0.002	38545	0.0163	
2	2.211	2.207	0.004	26593	0.0140	
					RPD = 15.17	
2 1260 Res 1						
1	5.112	5.142	-0.030	610	NC	
2	5.489	5.481	0.008	611	NC	
$ 15 DCB Decachlorobiphenyl						
1	6.179	6.174	0.005	40606	0.0131	
2	7.238	7.229	0.009	32150	0.0112	
					RPD = 15.77	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

COPPER_00070	Amount Added: 1.00	Units: g	Run Reagent
PCB IS 1B2NB_00032	Amount Added: 20.00	Units: uL	Run Reagent

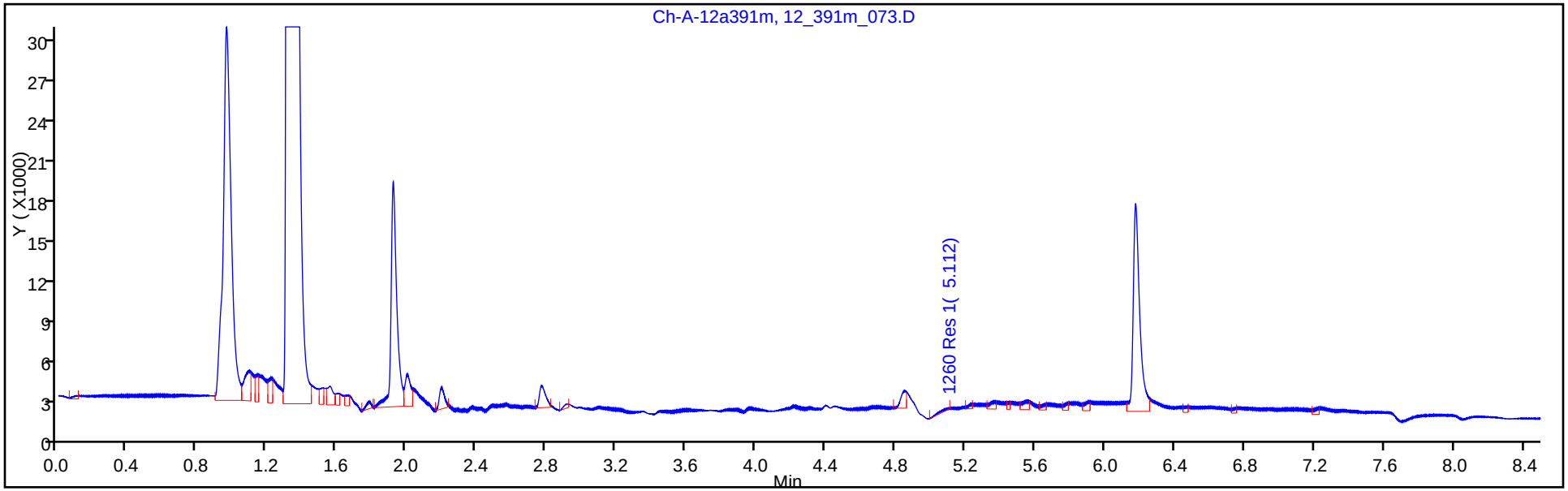
Report Date: 22-May-2017 11:10:27 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

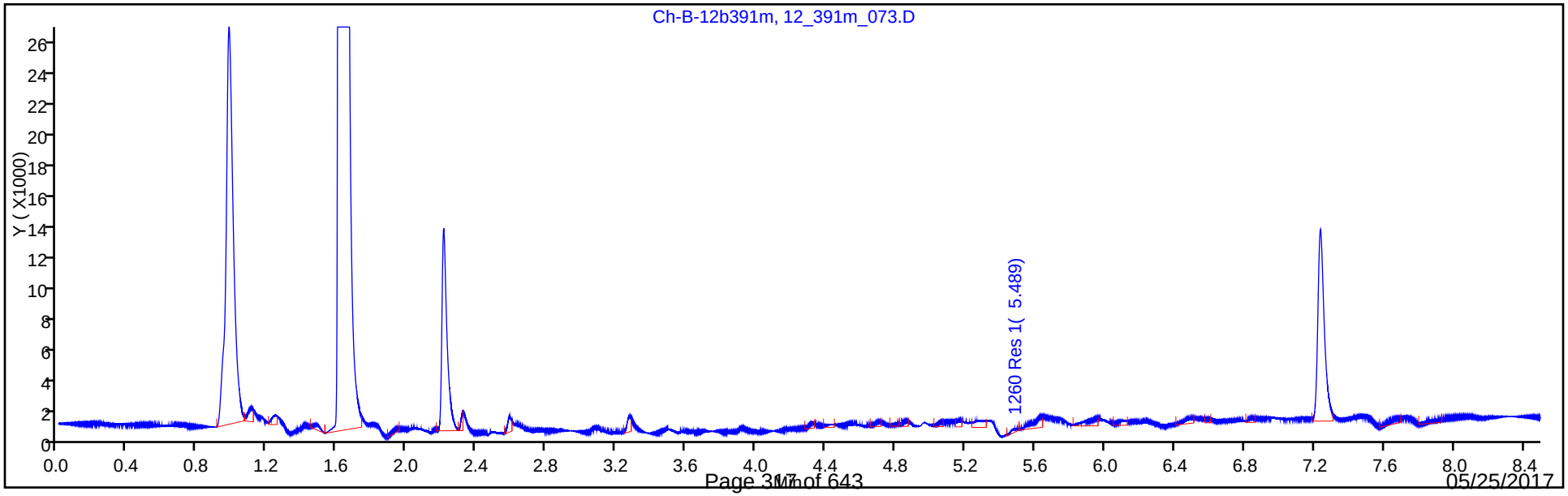
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_073.D

Injection Date:	19-May-2017 19:10:10	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-118149-B-2-A	Lab Sample ID:	480-118149-2	Worklist Smp#:	20
Client ID:	MW-4 20170515				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: MW-8 20170516 | Lab Sample ID: 480-118149-3

Matrix: Water | Lab File ID: 12_391m_074.D

Analysis Method: 8082A | Date Collected: 05/16/2017 08:45

Extraction Method: 3510C | Date Extracted: 05/19/2017 07:25

Sample wt/vol: 250(mL) | Date Analyzed: 05/19/2017 19:25

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 358279 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	53		19-120
877-09-8	Tetrachloro-m-xylene	86		39-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_074.D
Lims ID: 480-118149-B-3-C
Client ID: MW-8 20170516
Sample Type: Client
Inject. Date: 19-May-2017 19:25:32 ALS Bottle#: 0 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 22-May-2017 11:08:40 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK021

First Level Reviewer: owenj Date: 22-May-2017 11:08:53

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.323	1.322	0.001	1133055	0.5000	
2	1.617	1.618	-0.001	1041204	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.921	1.919	0.002	39340	0.0173	
2	2.210	2.207	0.003	27547	0.0148	
					RPD = 15.43	
$ 15 DCB Decachlorobiphenyl						
1	6.178	6.174	0.004	31592	0.0106	
2	7.237	7.229	0.008	26439	0.009403	
					RPD = 12.17	

Reagents:

COPPER_00070 Amount Added: 1.00 Units: g Run Reagent
PCB IS 1B2NB_00032 Amount Added: 20.00 Units: uL Run Reagent

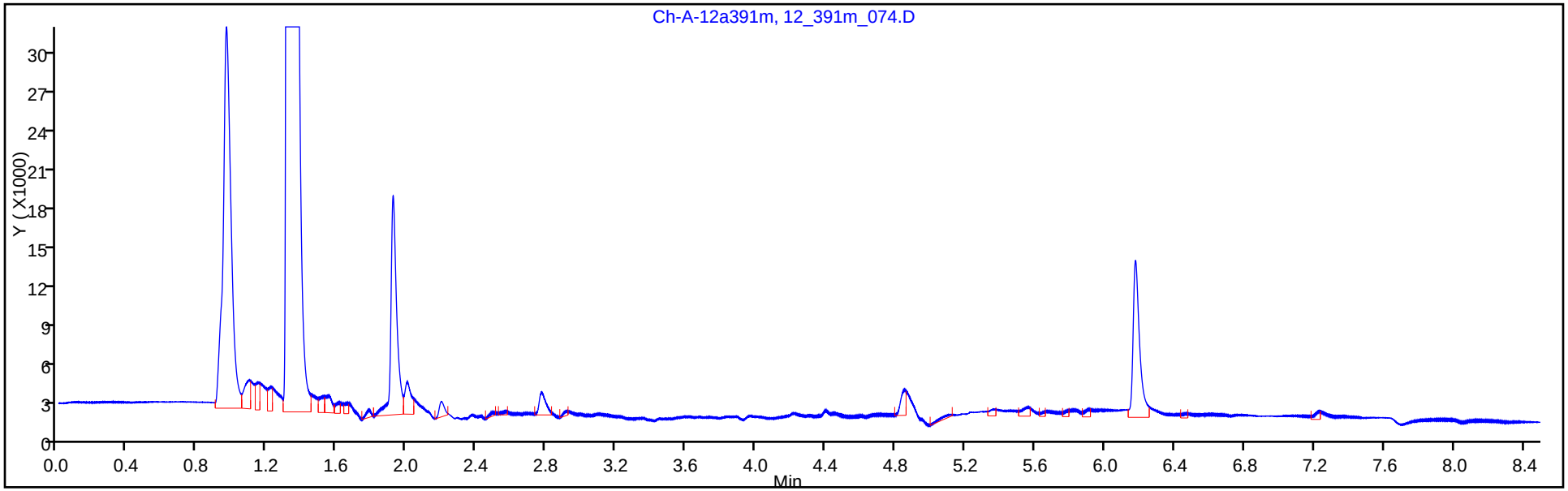
Report Date: 22-May-2017 11:08:53 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

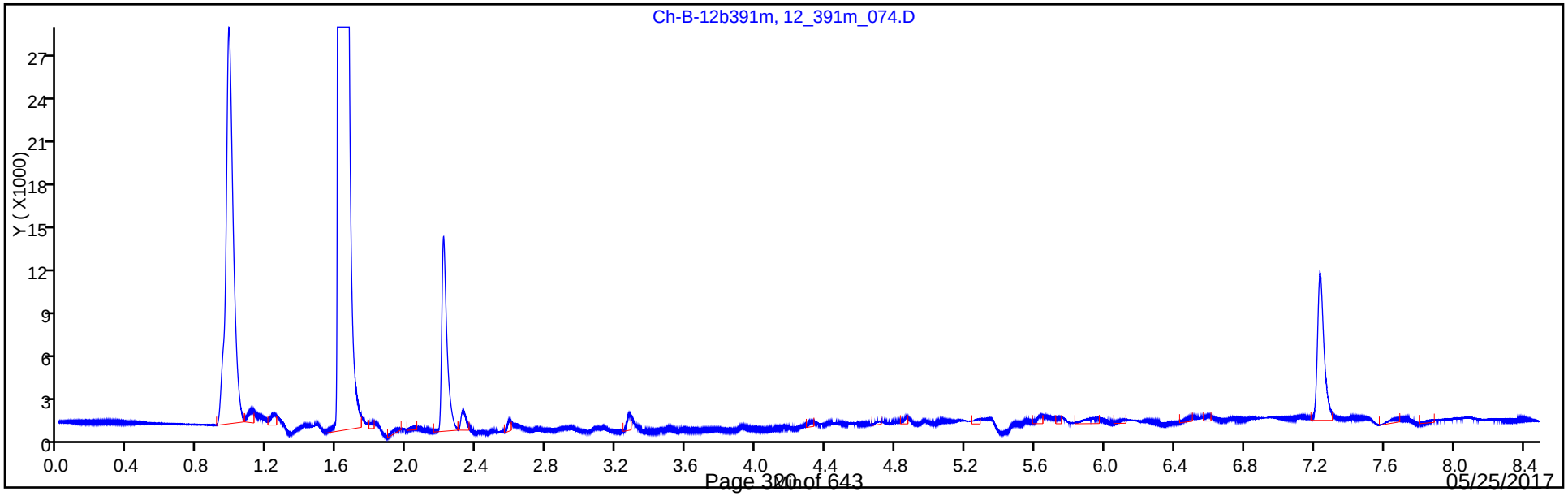
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_074.D

Injection Date:	19-May-2017 19:25:32	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-118149-B-3-C	Lab Sample ID:	480-118149-3	Worklist Smp#:	21
Client ID:	MW-8 20170516				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: MW-8 20170516 | Lab Sample ID: 480-118149-3

Matrix: Water | Lab File ID: 12_391m_074.D

Analysis Method: 8082A | Date Collected: 05/16/2017 08:45

Extraction Method: 3510C | Date Extracted: 05/19/2017 07:25

Sample wt/vol: 250(mL) | Date Analyzed: 05/19/2017 19:25

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 358279 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.50	0.18
11104-28-2	PCB-1221	ND		0.50	0.18
11141-16-5	PCB-1232	ND		0.50	0.18
53469-21-9	PCB-1242	ND		0.50	0.18
12672-29-6	PCB-1248	ND		0.50	0.18
11097-69-1	PCB-1254	ND		0.50	0.25
11096-82-5	PCB-1260	ND		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	47		19-120
877-09-8	Tetrachloro-m-xylene	74		39-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_074.D
Lims ID: 480-118149-B-3-C
Client ID: MW-8 20170516
Sample Type: Client
Inject. Date: 19-May-2017 19:25:32 ALS Bottle#: 0 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 22-May-2017 11:08:40 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK021

First Level Reviewer: owenj Date: 22-May-2017 11:08:53

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.323	1.322	0.001	1133055	0.5000	
2	1.617	1.618	-0.001	1041204	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.921	1.919	0.002	39340	0.0173	
2	2.210	2.207	0.003	27547	0.0148	
					RPD = 15.43	
$ 15 DCB Decachlorobiphenyl						
1	6.178	6.174	0.004	31592	0.0106	
2	7.237	7.229	0.008	26439	0.009403	
					RPD = 12.17	

Reagents:

COPPER_00070 Amount Added: 1.00 Units: g Run Reagent
PCB IS 1B2NB_00032 Amount Added: 20.00 Units: uL Run Reagent

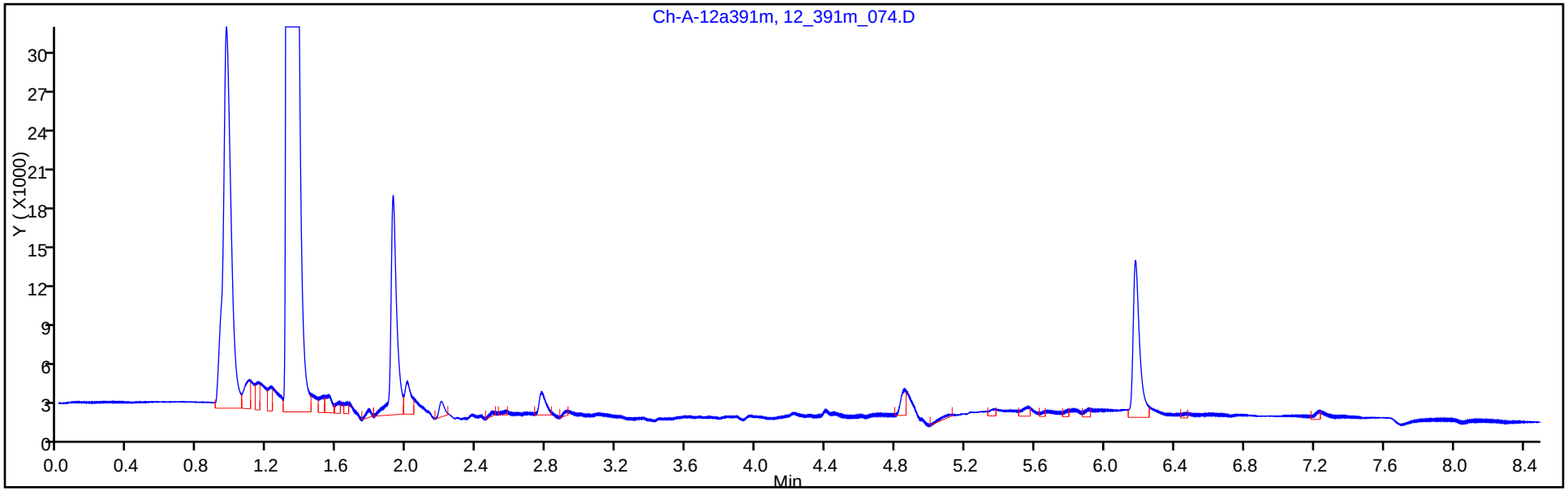
Report Date: 22-May-2017 11:08:54 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

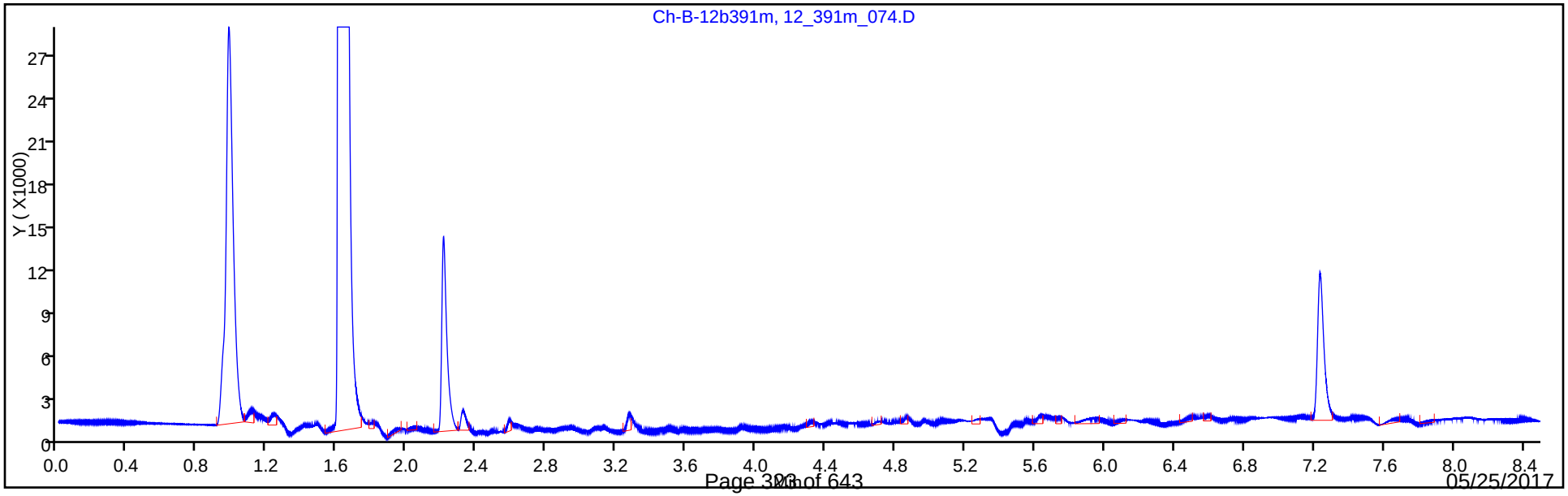
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_074.D

Injection Date:	19-May-2017 19:25:32	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-118149-B-3-C	Lab Sample ID:	480-118149-3	Worklist Smp#:	21
Client ID:	MW-8 20170516				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: MW-7 20170516 | Lab Sample ID: 480-118149-4

Matrix: Water | Lab File ID: 12_391m_075.D

Analysis Method: 8082A | Date Collected: 05/16/2017 13:45

Extraction Method: 3510C | Date Extracted: 05/19/2017 07:25

Sample wt/vol: 250(mL) | Date Analyzed: 05/19/2017 19:40

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 358279 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	65		19-120
877-09-8	Tetrachloro-m-xylene	79		39-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_075.D
Lims ID: 480-118149-B-4-A
Client ID: MW-7 20170516
Sample Type: Client
Inject. Date: 19-May-2017 19:40:51 ALS Bottle#: 0 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 22-May-2017 11:10:11 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK021

First Level Reviewer: owenj Date: 22-May-2017 11:10:36

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.323	1.322	0.001	1203794	0.5000	
2	1.618	1.618	0.000	1070178	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.920	1.919	0.001	38389	0.0159	
2	2.209	2.207	0.002	27849	0.0145	
					RPD = 8.69	
$ 15 DCB Decachlorobiphenyl						
1	6.177	6.174	0.003	40982	0.0130	
2	7.237	7.229	0.008	32395	0.0112	
					RPD = 14.40	

Reagents:

COPPER_00070	Amount Added: 1.00	Units: g	Run Reagent
PCB IS 1B2NB_00032	Amount Added: 20.00	Units: uL	Run Reagent

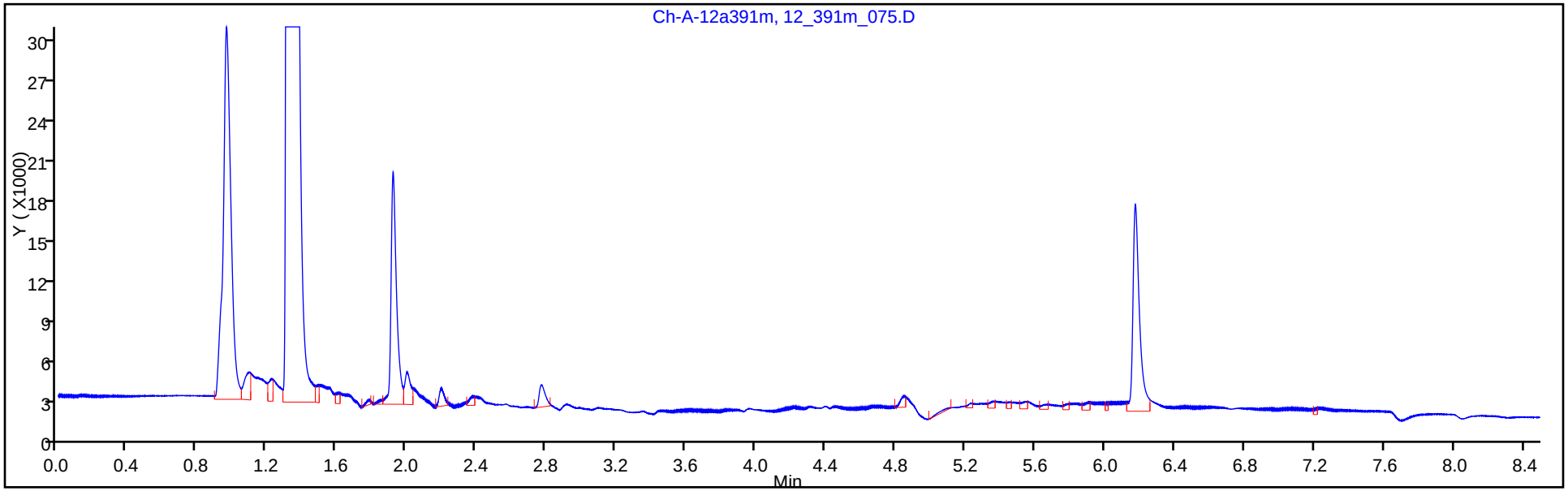
Report Date: 22-May-2017 11:10:37 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

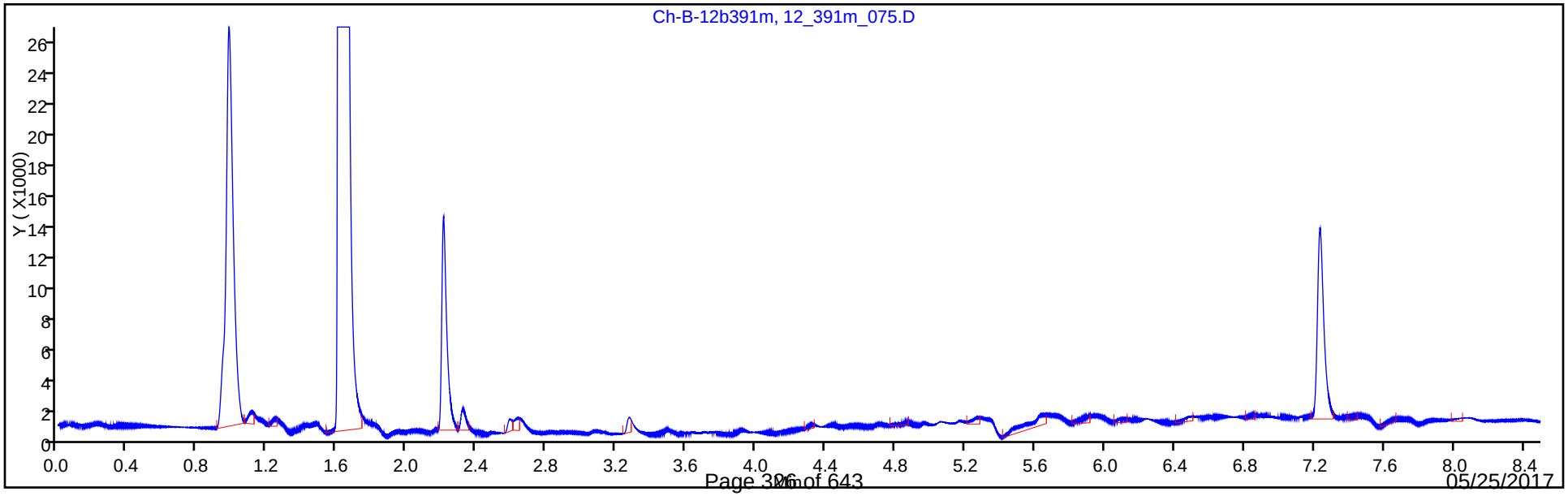
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_075.D

Injection Date:	19-May-2017 19:40:51	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-118149-B-4-A	Lab Sample ID:	480-118149-4	Worklist Smp#:	22
Client ID:	MW-7 20170516				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: MW-7 20170516 | Lab Sample ID: 480-118149-4

Matrix: Water | Lab File ID: 12_391m_075.D

Analysis Method: 8082A | Date Collected: 05/16/2017 13:45

Extraction Method: 3510C | Date Extracted: 05/19/2017 07:25

Sample wt/vol: 250(mL) | Date Analyzed: 05/19/2017 19:40

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 358279 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.50	0.18
11104-28-2	PCB-1221	ND		0.50	0.18
11141-16-5	PCB-1232	ND		0.50	0.18
53469-21-9	PCB-1242	ND		0.50	0.18
12672-29-6	PCB-1248	ND		0.50	0.18
11097-69-1	PCB-1254	ND		0.50	0.25
11096-82-5	PCB-1260	ND		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	56		19-120
877-09-8	Tetrachloro-m-xylene	73		39-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_075.D
Lims ID: 480-118149-B-4-A
Client ID: MW-7 20170516
Sample Type: Client
Inject. Date: 19-May-2017 19:40:51 ALS Bottle#: 0 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 22-May-2017 11:10:11 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK021

First Level Reviewer: owenj Date: 22-May-2017 11:10:36

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.323	1.322	0.001	1203794	0.5000	
2	1.618	1.618	0.000	1070178	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.920	1.919	0.001	38389	0.0159	
2	2.209	2.207	0.002	27849	0.0145	
					RPD = 8.69	
$ 15 DCB Decachlorobiphenyl						
1	6.177	6.174	0.003	40982	0.0130	
2	7.237	7.229	0.008	32395	0.0112	
					RPD = 14.40	

Reagents:

COPPER_00070 Amount Added: 1.00 Units: g Run Reagent
PCB IS 1B2NB_00032 Amount Added: 20.00 Units: uL Run Reagent

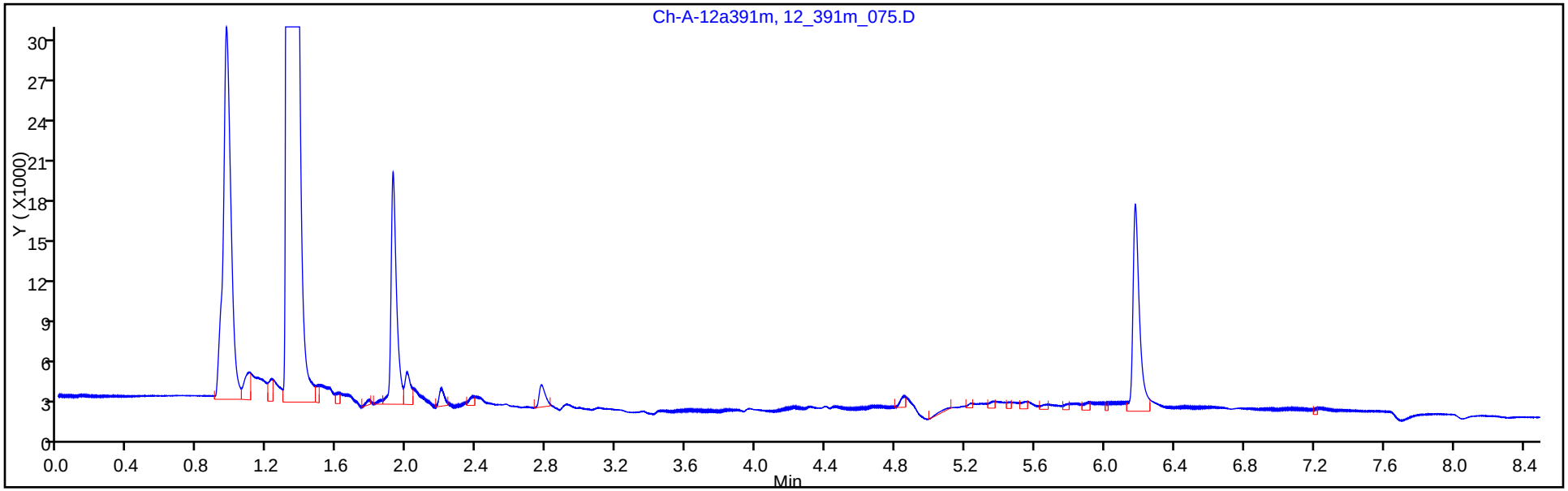
Report Date: 22-May-2017 11:10:37 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

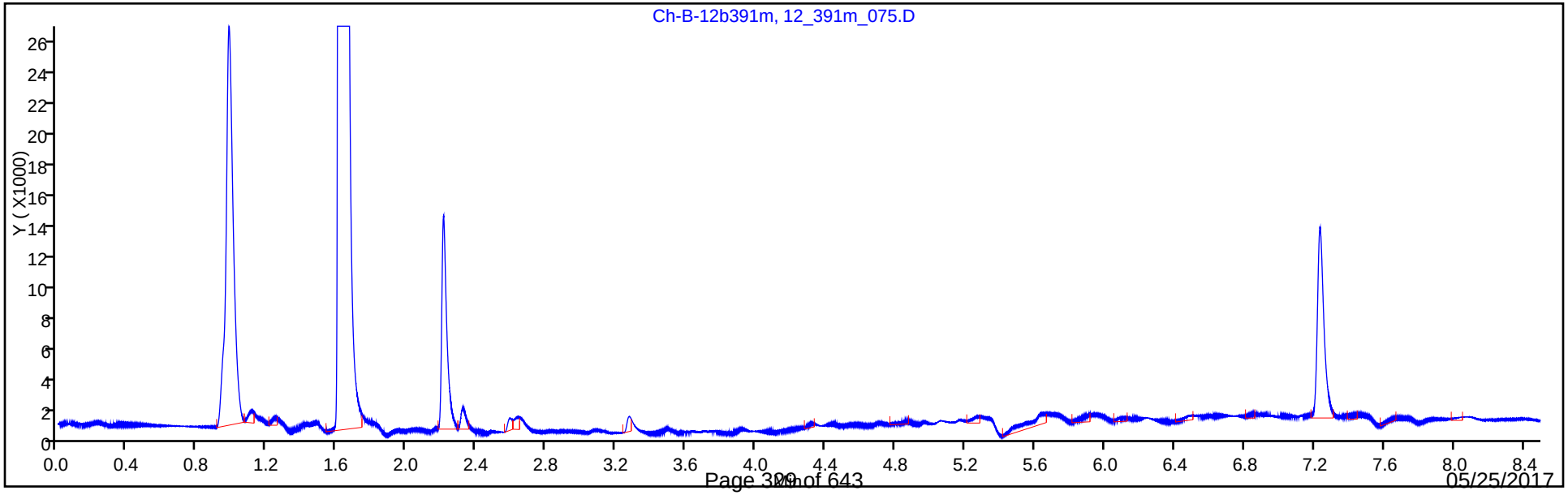
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_075.D

Injection Date:	19-May-2017 19:40:51	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-118149-B-4-A	Lab Sample ID:	480-118149-4	Worklist Smp#:	22
Client ID:	MW-7 20170516				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: MW-5R 20170516 | Lab Sample ID: 480-118149-5

Matrix: Water | Lab File ID: 12_391m_076.D

Analysis Method: 8082A | Date Collected: 05/16/2017 16:25

Extraction Method: 3510C | Date Extracted: 05/19/2017 07:25

Sample wt/vol: 250(mL) | Date Analyzed: 05/19/2017 19:56

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 358279 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	72		19-120
877-09-8	Tetrachloro-m-xylene	88		39-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_076.D
Lims ID: 480-118149-B-5-A
Client ID: MW-5R 20170516
Sample Type: Client
Inject. Date: 19-May-2017 19:56:12 ALS Bottle#: 0 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 22-May-2017 11:10:11 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK021

First Level Reviewer: owenj Date: 22-May-2017 11:10:41

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.323	1.322	0.001	1128519	0.5000	
2	1.617	1.618	-0.001	1004406	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.920	1.919	0.001	40107	0.0177	
2	2.209	2.207	0.002	28753	0.0160	
					RPD = 9.92	
$ 15 DCB Decachlorobiphenyl						
1	6.177	6.174	0.003	42472	0.0143	
2	7.235	7.229	0.006	34566	0.0128	
					RPD = 11.50	

Reagents:

COPPER_00070	Amount Added: 1.00	Units: g	Run Reagent
PCB IS 1B2NB_00032	Amount Added: 20.00	Units: uL	Run Reagent

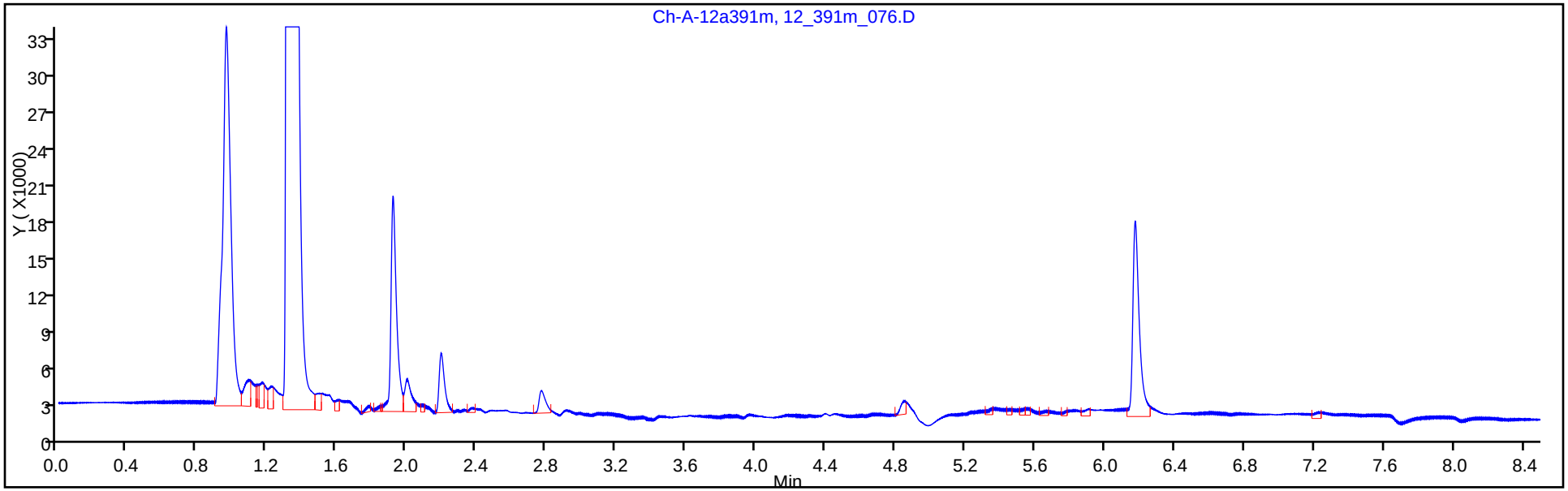
Report Date: 22-May-2017 11:10:41 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

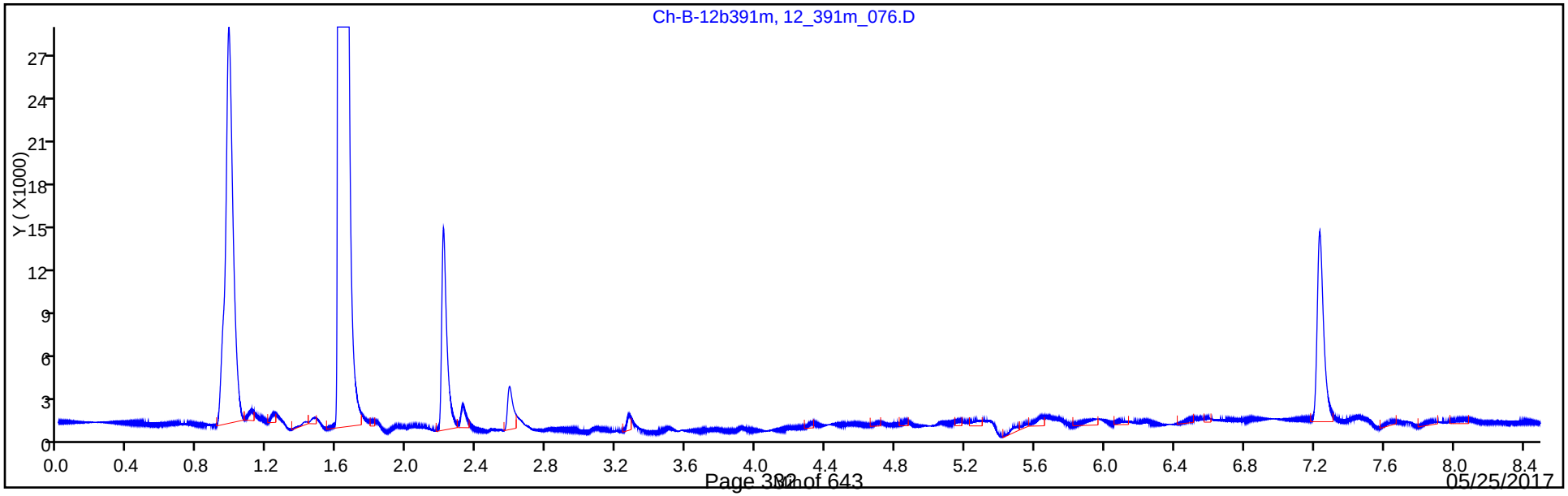
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_076.D

Injection Date:	19-May-2017 19:56:12	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-118149-B-5-A	Lab Sample ID:	480-118149-5	Worklist Smp#:	23
Client ID:	MW-5R 20170516				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: MW-5R 20170516 | Lab Sample ID: 480-118149-5

Matrix: Water | Lab File ID: 12_391m_076.D

Analysis Method: 8082A | Date Collected: 05/16/2017 16:25

Extraction Method: 3510C | Date Extracted: 05/19/2017 07:25

Sample wt/vol: 250(mL) | Date Analyzed: 05/19/2017 19:56

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 358279 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.50	0.18
11104-28-2	PCB-1221	ND		0.50	0.18
11141-16-5	PCB-1232	ND		0.50	0.18
53469-21-9	PCB-1242	ND		0.50	0.18
12672-29-6	PCB-1248	ND		0.50	0.18
11097-69-1	PCB-1254	ND		0.50	0.25
11096-82-5	PCB-1260	ND		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	64		19-120
877-09-8	Tetrachloro-m-xylene	80		39-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_076.D
Lims ID: 480-118149-B-5-A
Client ID: MW-5R 20170516
Sample Type: Client
Inject. Date: 19-May-2017 19:56:12 ALS Bottle#: 0 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 22-May-2017 11:10:11 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK021

First Level Reviewer: owenj Date: 22-May-2017 11:10:41

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.323	1.322	0.001	1128519	0.5000	
2	1.617	1.618	-0.001	1004406	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.920	1.919	0.001	40107	0.0177	
2	2.209	2.207	0.002	28753	0.0160	
					RPD = 9.92	
$ 15 DCB Decachlorobiphenyl						
1	6.177	6.174	0.003	42472	0.0143	
2	7.235	7.229	0.006	34566	0.0128	
					RPD = 11.50	

Reagents:

COPPER_00070	Amount Added: 1.00	Units: g	Run Reagent
PCB IS 1B2NB_00032	Amount Added: 20.00	Units: uL	Run Reagent

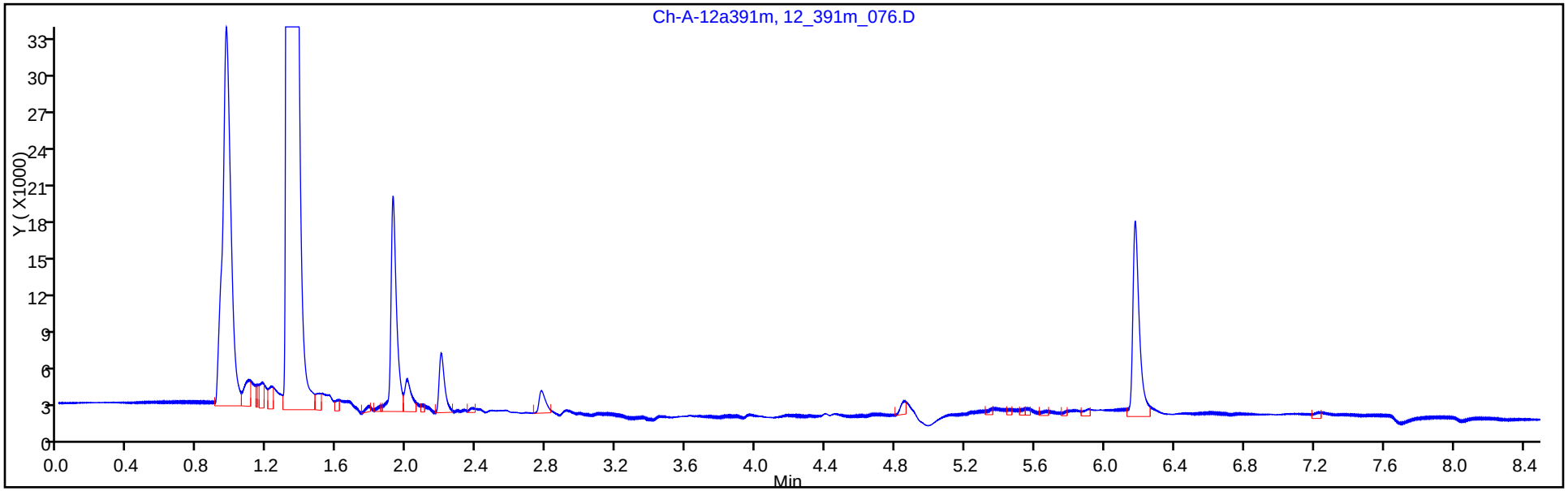
Report Date: 22-May-2017 11:10:41 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

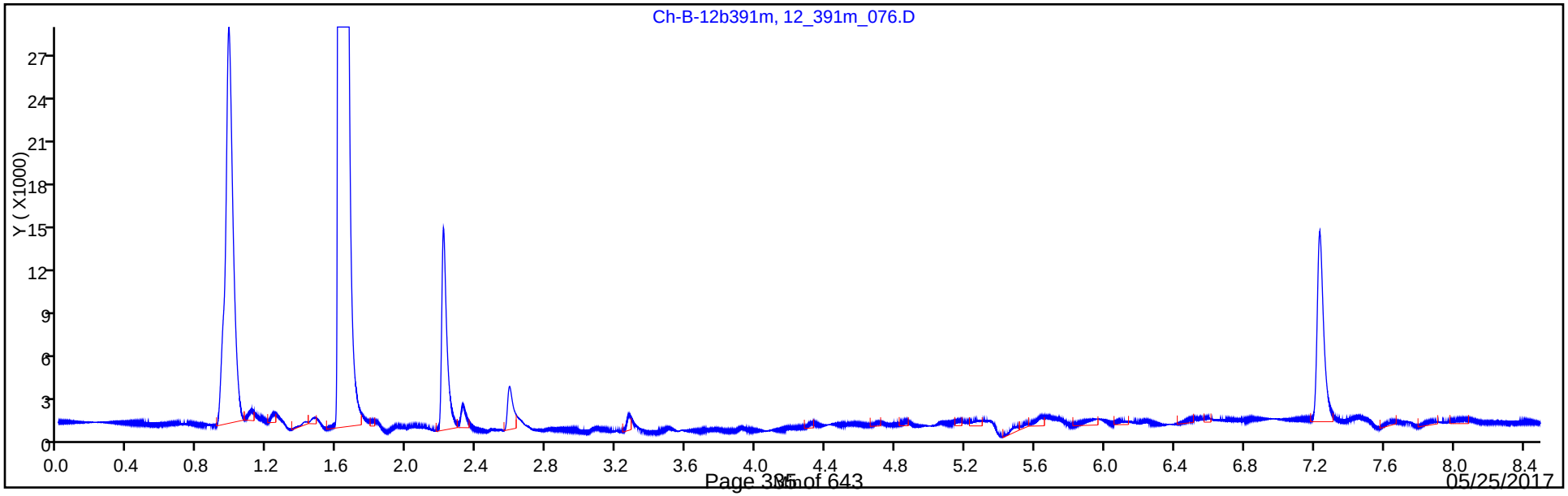
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_076.D

Injection Date:	19-May-2017 19:56:12	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-118149-B-5-A	Lab Sample ID:	480-118149-5	Worklist Smp#:	23
Client ID:	MW-5R 20170516				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: MW-6 20170517 | Lab Sample ID: 480-118149-6

Matrix: Water | Lab File ID: 12_391m_077.D

Analysis Method: 8082A | Date Collected: 05/17/2017 09:45

Extraction Method: 3510C | Date Extracted: 05/19/2017 07:25

Sample wt/vol: 250(mL) | Date Analyzed: 05/19/2017 20:11

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 358279 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	69		19-120
877-09-8	Tetrachloro-m-xylene	93		39-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_077.D
Lims ID: 480-118149-B-6-A
Client ID: MW-6 20170517
Sample Type: Client
Inject. Date: 19-May-2017 20:11:32 ALS Bottle#: 0 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 22-May-2017 11:10:11 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK021

First Level Reviewer: owenj Date: 22-May-2017 11:10:45

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.322	1.322	0.000	964992	0.5000	
2	1.617	1.618	-0.001	878507	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.919	1.919	0.000	35961	0.0185	
2	2.209	2.207	0.002	24082	0.0153	
					RPD = 18.88	
$ 15 DCB Decachlorobiphenyl						
1	6.175	6.174	0.001	35116	0.0139	
2	7.233	7.229	0.004	26454	0.0112	
					RPD = 21.53	

Reagents:

COPPER_00070	Amount Added: 1.00	Units: g	Run Reagent
PCB IS 1B2NB_00032	Amount Added: 20.00	Units: uL	Run Reagent

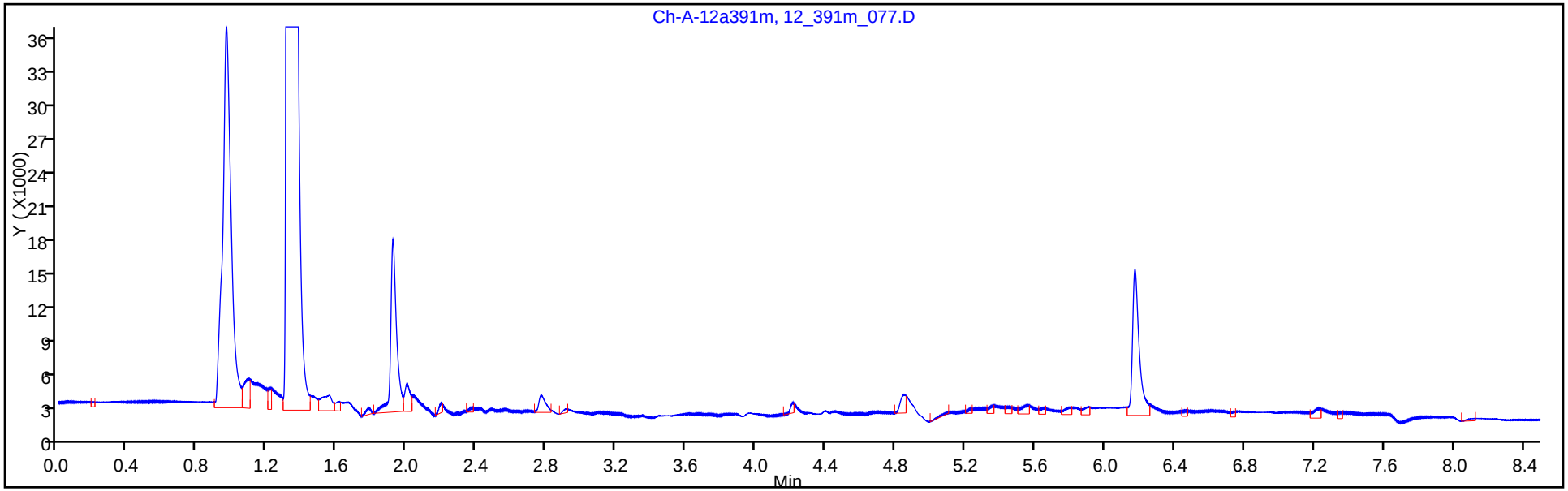
Report Date: 22-May-2017 11:10:46 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

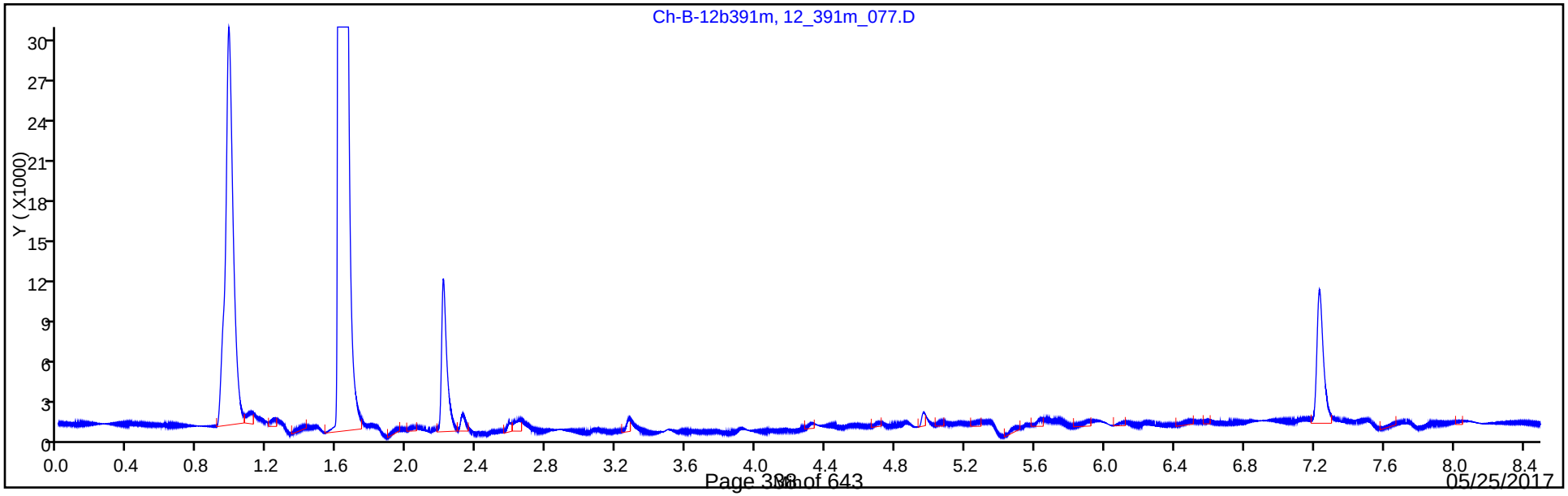
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_077.D

Injection Date:	19-May-2017 20:11:32	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-118149-B-6-A	Lab Sample ID:	480-118149-6	Worklist Smp#:	24
Client ID:	MW-6 20170517				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: MW-6 20170517 | Lab Sample ID: 480-118149-6

Matrix: Water | Lab File ID: 12_391m_077.D

Analysis Method: 8082A | Date Collected: 05/17/2017 09:45

Extraction Method: 3510C | Date Extracted: 05/19/2017 07:25

Sample wt/vol: 250(mL) | Date Analyzed: 05/19/2017 20:11

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 358279 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.50	0.18
11104-28-2	PCB-1221	ND		0.50	0.18
11141-16-5	PCB-1232	ND		0.50	0.18
53469-21-9	PCB-1242	ND		0.50	0.18
12672-29-6	PCB-1248	ND		0.50	0.18
11097-69-1	PCB-1254	ND		0.50	0.25
11096-82-5	PCB-1260	ND		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	56		19-120
877-09-8	Tetrachloro-m-xylene	77		39-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_077.D
Lims ID: 480-118149-B-6-A
Client ID: MW-6 20170517
Sample Type: Client
Inject. Date: 19-May-2017 20:11:32 ALS Bottle#: 0 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 22-May-2017 11:10:11 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK021

First Level Reviewer: owenj Date: 22-May-2017 11:10:45

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.322	1.322	0.000	964992	0.5000	
2	1.617	1.618	-0.001	878507	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.919	1.919	0.000	35961	0.0185	
2	2.209	2.207	0.002	24082	0.0153	
					RPD = 18.88	
$ 15 DCB Decachlorobiphenyl						
1	6.175	6.174	0.001	35116	0.0139	
2	7.233	7.229	0.004	26454	0.0112	
					RPD = 21.53	

Reagents:

COPPER_00070	Amount Added: 1.00	Units: g	Run Reagent
PCB IS 1B2NB_00032	Amount Added: 20.00	Units: uL	Run Reagent

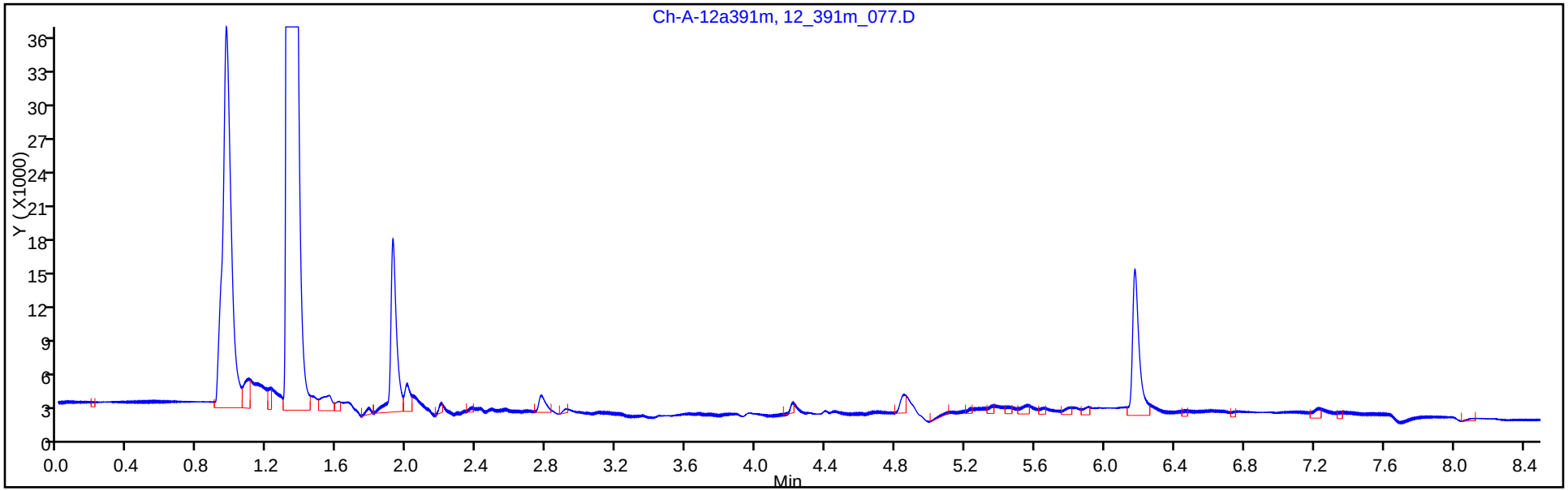
Report Date: 22-May-2017 11:10:46 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

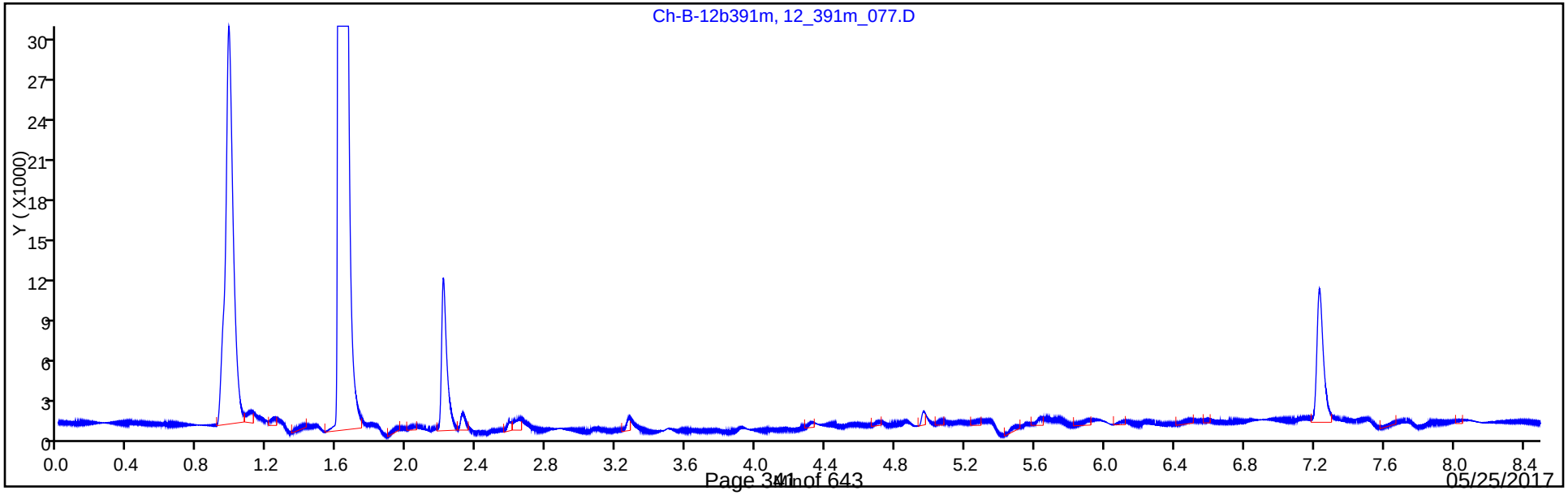
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_077.D

Injection Date:	19-May-2017 20:11:32	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-118149-B-6-A	Lab Sample ID:	480-118149-6	Worklist Smp#:	24
Client ID:	MW-6 20170517				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: FB-01-20170517 | Lab Sample ID: 480-118149-7

Matrix: Water | Lab File ID: 12_391m_078.D

Analysis Method: 8082A | Date Collected: 05/17/2017 10:15

Extraction Method: 3510C | Date Extracted: 05/19/2017 07:25

Sample wt/vol: 250(mL) | Date Analyzed: 05/19/2017 20:26

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 358279 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	55		19-120
877-09-8	Tetrachloro-m-xylene	92		39-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_078.D
Lims ID: 480-118149-B-7-A
Client ID: FB-01-20170517
Sample Type: Client
Inject. Date: 19-May-2017 20:26:55 ALS Bottle#: 0 Worklist Smp#: 25
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 22-May-2017 11:10:11 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK021

First Level Reviewer: owenj Date: 22-May-2017 11:10:50

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.323	1.322	0.001	1121703	0.5000	
2	1.617	1.618	-0.001	1016571	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.920	1.919	0.001	41402	0.0183	
2	2.209	2.207	0.002	29328	0.0161	
					RPD = 12.89	
$ 15 DCB Decachlorobiphenyl						
1	6.177	6.174	0.003	32535	0.0110	
2	7.235	7.229	0.006	26872	0.009792	
					RPD = 12.06	

Reagents:

COPPER_00070	Amount Added: 1.00	Units: g	Run Reagent
PCB IS 1B2NB_00032	Amount Added: 20.00	Units: uL	Run Reagent

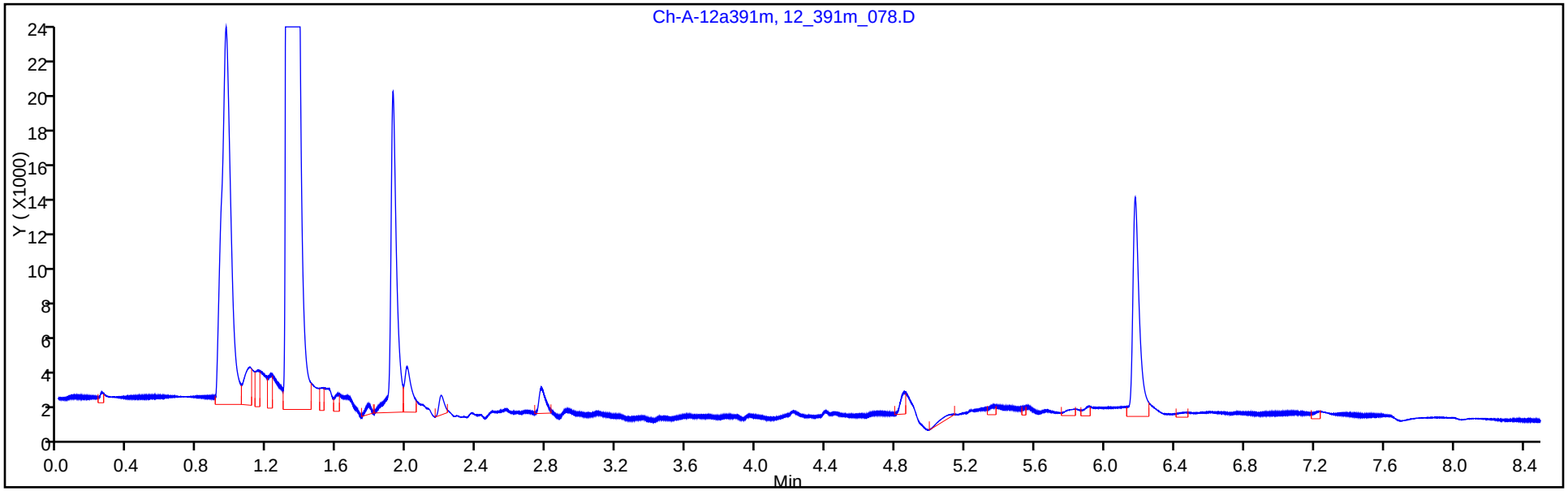
Report Date: 22-May-2017 11:10:51 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

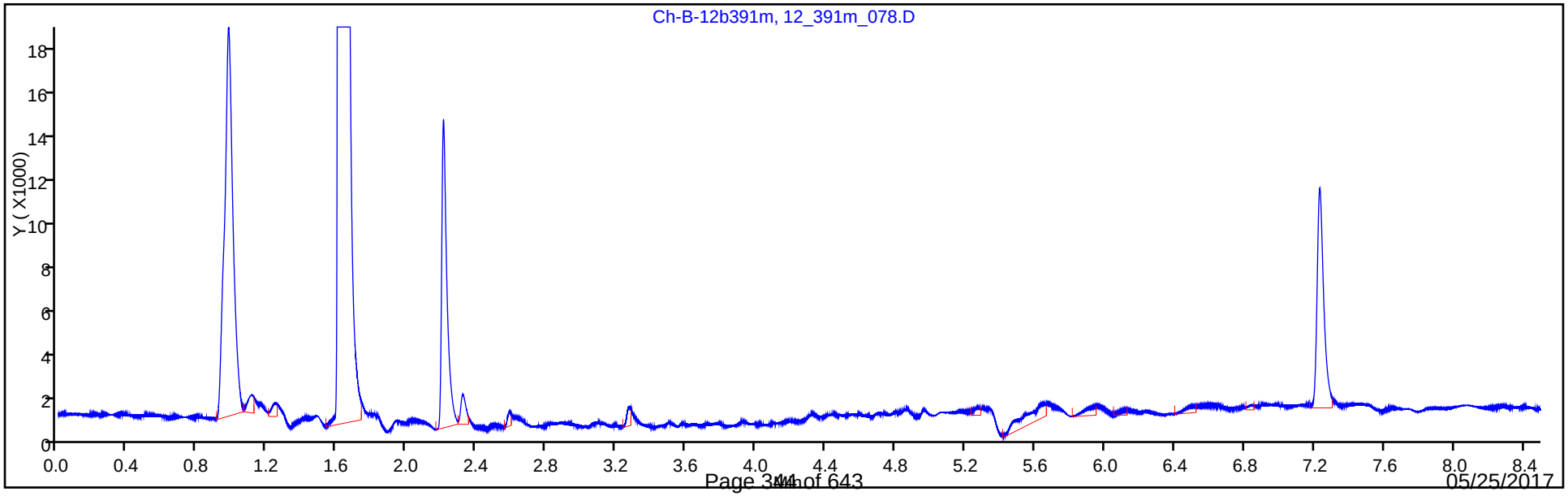
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_078.D

Injection Date:	19-May-2017 20:26:55	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-118149-B-7-A	Lab Sample ID:	480-118149-7	Worklist Smp#:	25
Client ID:	FB-01-20170517				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: FB-01-20170517 | Lab Sample ID: 480-118149-7

Matrix: Water | Lab File ID: 12_391m_078.D

Analysis Method: 8082A | Date Collected: 05/17/2017 10:15

Extraction Method: 3510C | Date Extracted: 05/19/2017 07:25

Sample wt/vol: 250(mL) | Date Analyzed: 05/19/2017 20:26

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 358279 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.50	0.18
11104-28-2	PCB-1221	ND		0.50	0.18
11141-16-5	PCB-1232	ND		0.50	0.18
53469-21-9	PCB-1242	ND		0.50	0.18
12672-29-6	PCB-1248	ND		0.50	0.18
11097-69-1	PCB-1254	ND		0.50	0.25
11096-82-5	PCB-1260	ND		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	49		19-120
877-09-8	Tetrachloro-m-xylene	81		39-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_078.D
Lims ID: 480-118149-B-7-A
Client ID: FB-01-20170517
Sample Type: Client
Inject. Date: 19-May-2017 20:26:55 ALS Bottle#: 0 Worklist Smp#: 25
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 22-May-2017 11:10:11 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK021

First Level Reviewer: owenj Date: 22-May-2017 11:10:50

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.323	1.322	0.001	1121703	0.5000	
2	1.617	1.618	-0.001	1016571	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.920	1.919	0.001	41402	0.0183	
2	2.209	2.207	0.002	29328	0.0161	
					RPD = 12.89	
$ 15 DCB Decachlorobiphenyl						
1	6.177	6.174	0.003	32535	0.0110	
2	7.235	7.229	0.006	26872	0.009792	
					RPD = 12.06	

Reagents:

COPPER_00070	Amount Added: 1.00	Units: g	Run Reagent
PCB IS 1B2NB_00032	Amount Added: 20.00	Units: uL	Run Reagent

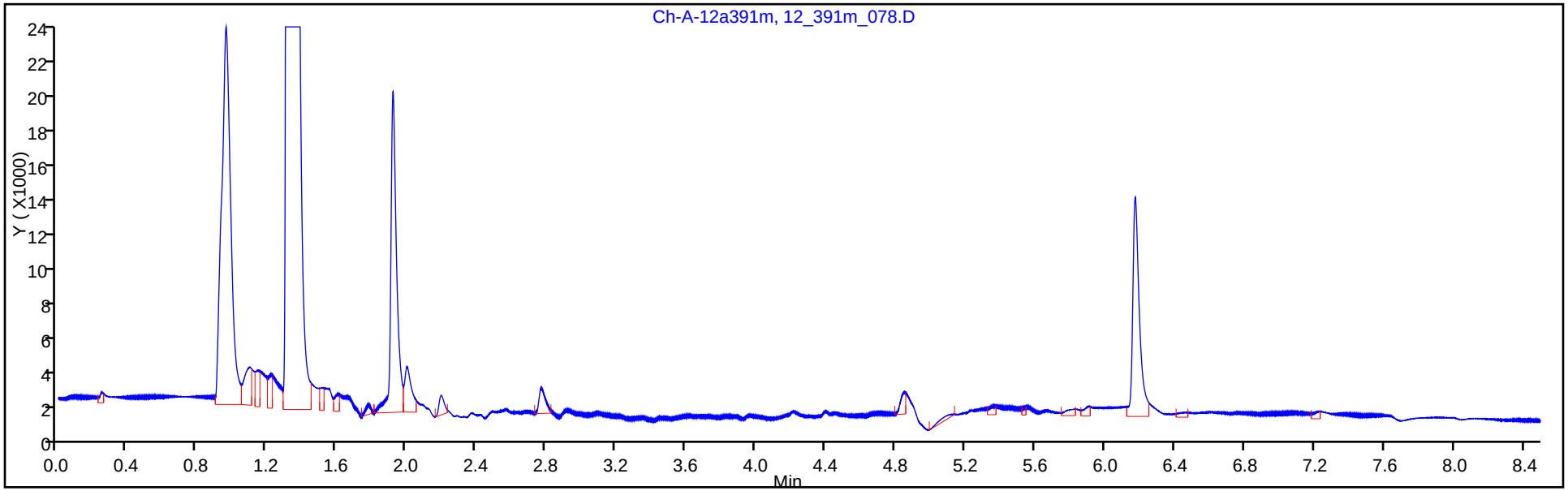
Report Date: 22-May-2017 11:10:51 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

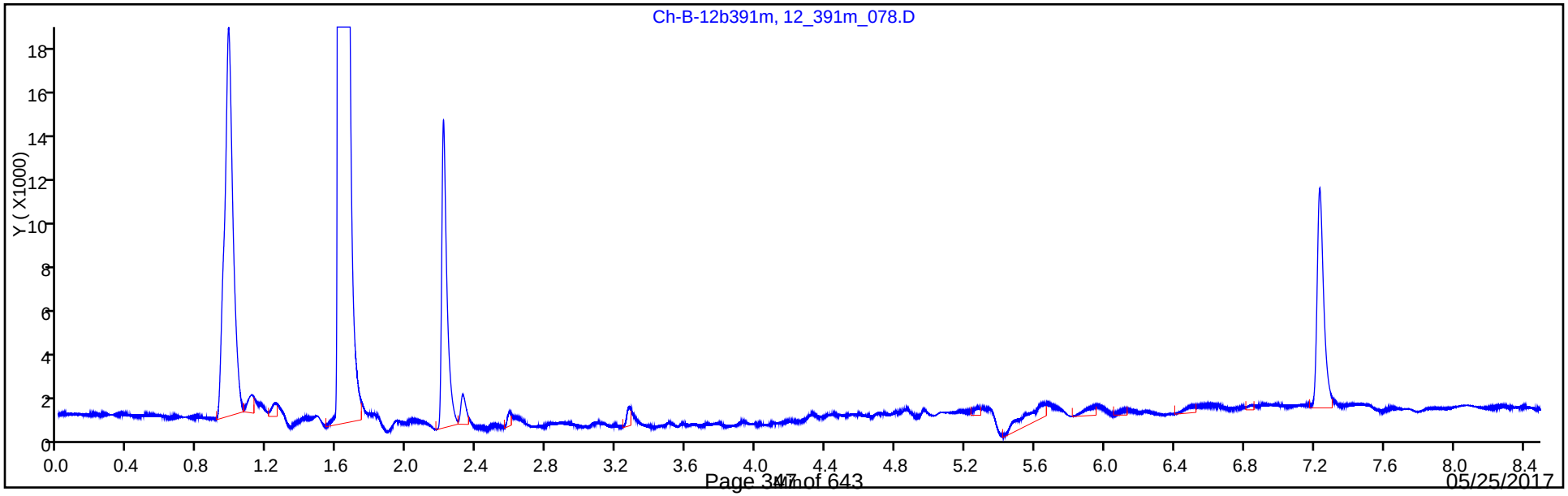
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_078.D

Injection Date:	19-May-2017 20:26:55	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-118149-B-7-A	Lab Sample ID:	480-118149-7	Worklist Smp#:	25
Client ID:	FB-01-20170517				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: FD-01-20170515 | Lab Sample ID: 480-118149-8

Matrix: Water | Lab File ID: 12_391m_079.D

Analysis Method: 8082A | Date Collected: 05/15/2017 00:00

Extraction Method: 3510C | Date Extracted: 05/19/2017 07:25

Sample wt/vol: 250(mL) | Date Analyzed: 05/19/2017 20:42

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 358279 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	84		19-120
877-09-8	Tetrachloro-m-xylene	97		39-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_079.D
Lims ID: 480-118149-B-8-A
Client ID: FD-01-20170515
Sample Type: Client
Inject. Date: 19-May-2017 20:42:15 ALS Bottle#: 0 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 22-May-2017 11:10:11 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK021

First Level Reviewer: owenj Date: 22-May-2017 11:10:55

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.323	1.322	0.001	1051918	0.5000	
2	1.618	1.618	0.000	951013	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.920	1.919	0.001	41209	0.0195	
2	2.209	2.207	0.002	30284	0.0178	
					RPD = 8.97	
$ 15 DCB Decachlorobiphenyl						
1	6.175	6.174	0.001	46507	0.0168	
2	7.233	7.229	0.004	37484	0.0146	
					RPD = 13.94	

Reagents:

COPPER_00070	Amount Added: 1.00	Units: g	Run Reagent
PCB IS 1B2NB_00032	Amount Added: 20.00	Units: uL	Run Reagent

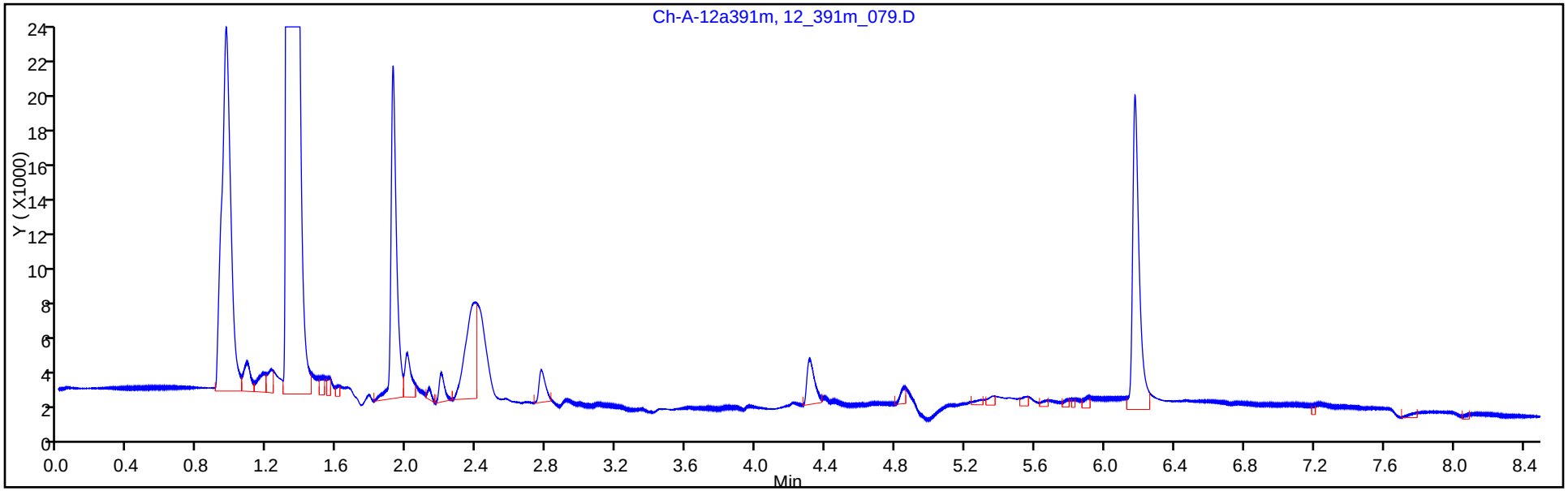
Report Date: 22-May-2017 11:10:55 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

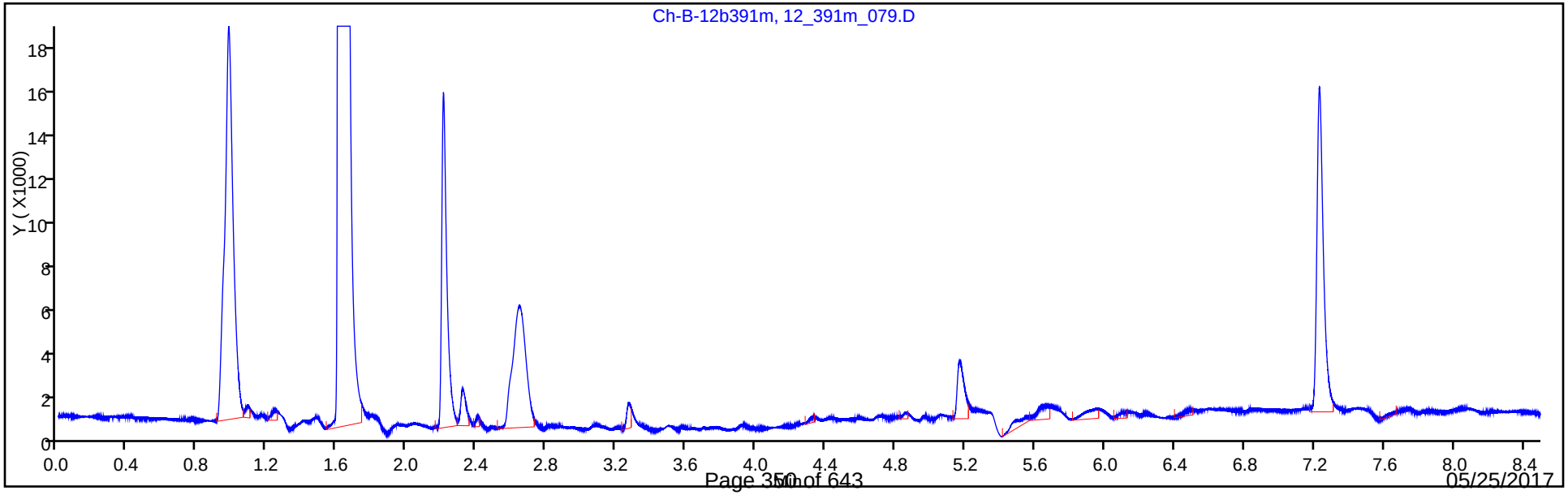
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_079.D

Injection Date:	19-May-2017 20:42:15	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-118149-B-8-A	Lab Sample ID:	480-118149-8	Worklist Smp#:	26
Client ID:	FD-01-20170515				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: FD-01-20170515 | Lab Sample ID: 480-118149-8

Matrix: Water | Lab File ID: 12_391m_079.D

Analysis Method: 8082A | Date Collected: 05/15/2017 00:00

Extraction Method: 3510C | Date Extracted: 05/19/2017 07:25

Sample wt/vol: 250(mL) | Date Analyzed: 05/19/2017 20:42

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 358279 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.50	0.18
11104-28-2	PCB-1221	ND		0.50	0.18
11141-16-5	PCB-1232	ND		0.50	0.18
53469-21-9	PCB-1242	ND		0.50	0.18
12672-29-6	PCB-1248	ND		0.50	0.18
11097-69-1	PCB-1254	ND		0.50	0.25
11096-82-5	PCB-1260	ND		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	73		19-120
877-09-8	Tetrachloro-m-xylene	89		39-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_079.D
Lims ID: 480-118149-B-8-A
Client ID: FD-01-20170515
Sample Type: Client
Inject. Date: 19-May-2017 20:42:15 ALS Bottle#: 0 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 22-May-2017 11:10:11 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK021

First Level Reviewer: owenj Date: 22-May-2017 11:10:55

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.323	1.322	0.001	1051918	0.5000	
2	1.618	1.618	0.000	951013	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.920	1.919	0.001	41209	0.0195	
2	2.209	2.207	0.002	30284	0.0178	
					RPD = 8.97	
$ 15 DCB Decachlorobiphenyl						
1	6.175	6.174	0.001	46507	0.0168	
2	7.233	7.229	0.004	37484	0.0146	
					RPD = 13.94	

Reagents:

COPPER_00070	Amount Added: 1.00	Units: g	Run Reagent
PCB IS 1B2NB_00032	Amount Added: 20.00	Units: uL	Run Reagent

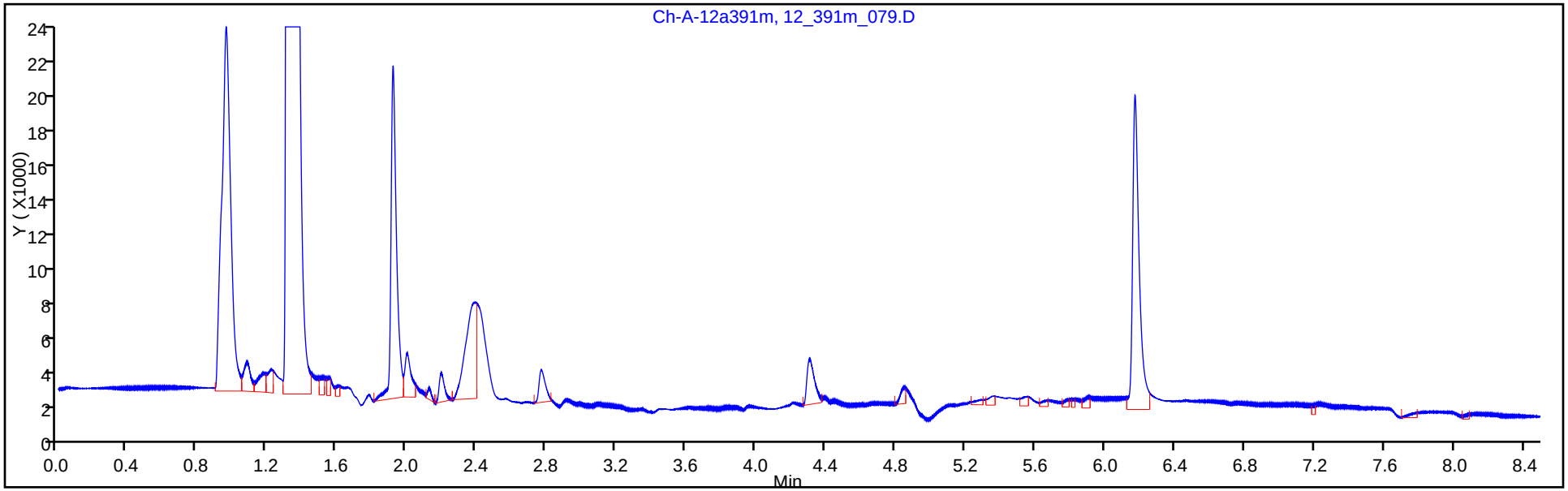
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TestAmerica Buffalo

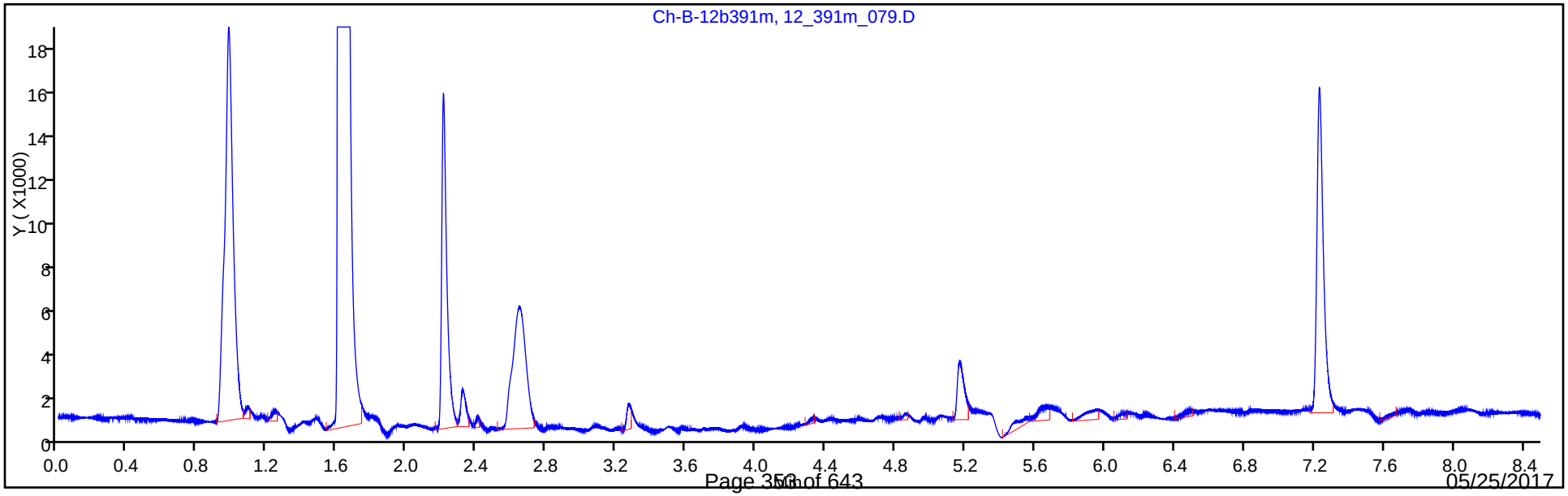
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_079.D

Injection Date:	19-May-2017 20:42:15	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-118149-B-8-A	Lab Sample ID:	480-118149-8	Worklist Smp#:	26
Client ID:	FD-01-20170515				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1 Analy Batch No.: 356902

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/11/2017 15:46 Calibration End Date: 05/11/2017 18:19 Calibration ID: 30527

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-356902/23	12_390m_220.D
Level 2	IC 480-356902/22	12_390m_219.D
Level 3	IC 480-356902/21	12_390m_218.D
Level 4	IC 480-356902/20	12_390m_217.D
Level 5	ICIS 480-356902/19	12_390m_216.D
Level 6	IC 480-356902/18	12_390m_215.D
Level 7	IC 480-356902/17	12_390m_214.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 4	LVL 5		B	M1	M2								
PCB-1016 Peak 1	0.0245 0.0270	0.0307 0.0238	0.0266	0.0297	0.0281	Ave		0.0272				9.3		20.0			
PCB-1016 Peak 2	0.0245 0.0295	0.0310 0.0273	0.0289	0.0313	0.0302	Ave		0.0290				8.2		20.0			
PCB-1016 Peak 3	0.0947 0.0962	0.1056 0.0902	0.1022	0.1034	0.0991	Ave		0.0988				5.5		20.0			
PCB-1016 Peak 4	0.0591 0.0392	0.0479 0.0366	0.0416	0.0423	0.0399	Lin1	0.0005	0.0375							0.9990		0.9900
PCB-1016 Peak 5	0.0300 0.0246	0.0288 0.0229	0.0234	0.0247	0.0242	Lin1	0.0002	0.0234							0.9990		0.9900
PCB-1260 Peak 1	0.1066 0.0548	0.0783 0.0544	0.0732	0.0691	0.0604	Lin1	0.0013	0.0548							0.9970		0.9900
PCB-1260 Peak 2	0.1113 0.0786	0.0828 0.0748	0.0867	0.0829	0.0784	Lin1	0.0007	0.0760							0.9990		0.9900
PCB-1260 Peak 3	0.0386 0.0439	0.0433 0.0412	0.0473	0.0474	0.0445	Ave		0.0437				7.2		20.0			
PCB-1260 Peak 4	0.0250 0.0371	0.0380 0.0360	0.0370	0.0358	0.0367	Lin1	0	0.0366							0.9990		0.9900
PCB-1260 Peak 5	0.0836 0.0501	0.0494 0.0492	0.0513	0.0488	0.0486	Lin1	0.0004	0.0487							0.9990		0.9900
Tetrachloro-m-xylene	0.7647 1.0454	0.8733 1.0044	0.8271	0.9752	0.9808	Lin1	0	1.0160							0.9990		0.9900
DCB Decachlorobiphenyl	1.3330 1.3312	1.2777 1.3220	1.3546	1.2758	1.2935	Ave		1.3125				2.3		20.0			

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1 Analy Batch No.: 356902

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/11/2017 15:46 Calibration End Date: 05/11/2017 18:19 Calibration ID: 30527

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-356902/23	12_390m_220.D
Level 2	IC 480-356902/22	12_390m_219.D
Level 3	IC 480-356902/21	12_390m_218.D
Level 4	IC 480-356902/20	12_390m_217.D
Level 5	ICIS 480-356902/19	12_390m_216.D
Level 6	IC 480-356902/18	12_390m_215.D
Level 7	IC 480-356902/17	12_390m_214.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	BNB	Ave	1232 66140	3817 113721	6478	15036	34907	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 2	BNB	Ave	1234 72358	3863 130483	7014	15855	37488	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 3	BNB	Ave	4764 235761	13140 430879	24849	52434	123085	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 4	BNB	Lin1	2976 96162	5959 175066	10105	21437	49584	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 5	BNB	Lin1	1510 60376	3582 109435	5681	12533	30097	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 1	BNB	Lin1	5364 134181	9740 260007	17798	35011	75072	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 2	BNB	Lin1	5599 192588	10306 357275	21079	42034	97345	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 3	BNB	Ave	1941 107623	5394 196587	11503	24020	55281	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 4	BNB	Lin1	1257 91027	4723 171815	9001	18160	45564	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 5	BNB	Lin1	4207 122865	6147 234875	12480	24761	60333	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
Tetrachloro-m-xylene	BNB	Lin1	962 64039	2717 119949	5027	12358	30459	0.000500 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125
DCB Decachlorobiphenyl	BNB	Ave	1677 81549	3975 157874	8233	16167	40170	0.000500 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_214.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 11-May-2017 15:46:31 ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:50:46 Calib Date: 12-May-2017 17:50:21
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_240.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 15-May-2017 13:50:39

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.318	1.335	-0.017	1194213	0.5000	0.5000	
2	1.616	1.603	0.013	1059943	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.916	1.892	0.024	119949	0.0500	0.0496	M
2	2.205	2.202	0.003	98537	0.0500	0.0518	
						RPD = 4.26	
9 PCB-1016							M
1	2.120	2.123	-0.003	113721	2.00	1.75	M
1	2.503	2.521	-0.018	130483	2.00	1.89	M
1	2.676	2.681	-0.005	430879	2.00	1.83	M
1	2.749	2.758	-0.009	175066	2.00	1.94	M
1	2.802	2.803	-0.001	109435	2.00	1.95	M
		Average of Peak Amounts =				1.87	
2	2.613	2.627	-0.014	83522	2.00	1.96	
2	2.933	2.938	-0.005	170236	2.00	1.93	M
2	3.146	3.146	0.000	109428	2.00	1.98	M
2	3.245	3.249	-0.004	338084	2.00	1.99	M
2	3.363	3.364	-0.001	139181	2.00	1.96	M
		Average of Peak Amounts =				1.96	
						RPD = 4.91	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.186	4.185	0.001	260007	2.00	1.96	M
1	4.404	4.402	0.002	357275	2.00	1.96	M
1	4.530	4.563	-0.033	196587	2.00	1.88	M
1	4.713	4.711	0.002	171815	2.00	1.97	M
1	5.149	5.146	0.003	234875	2.00	2.01	M
		Average of Peak Amounts =				1.96	
2	5.129	5.128	0.001	216459	2.00	1.96	M
2	5.449	5.448	0.001	181227	2.00	1.98	M
2	5.517	5.515	0.002	135872	2.00	1.98	M
2	5.583	5.581	0.002	483176	2.00	1.97	M
2	5.956	5.954	0.002	321662	2.00	1.99	M
		Average of Peak Amounts =				1.98	
						RPD = 1.00	
$ 15 DCB Decachlorobiphenyl							
1	6.193	6.187	0.006	157874	0.0500	0.0504	
2	7.247	7.248	-0.001	140307	0.0500	0.0494	
						RPD = 1.89	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is2.0_00005 Amount Added: 1.00 Units: mL

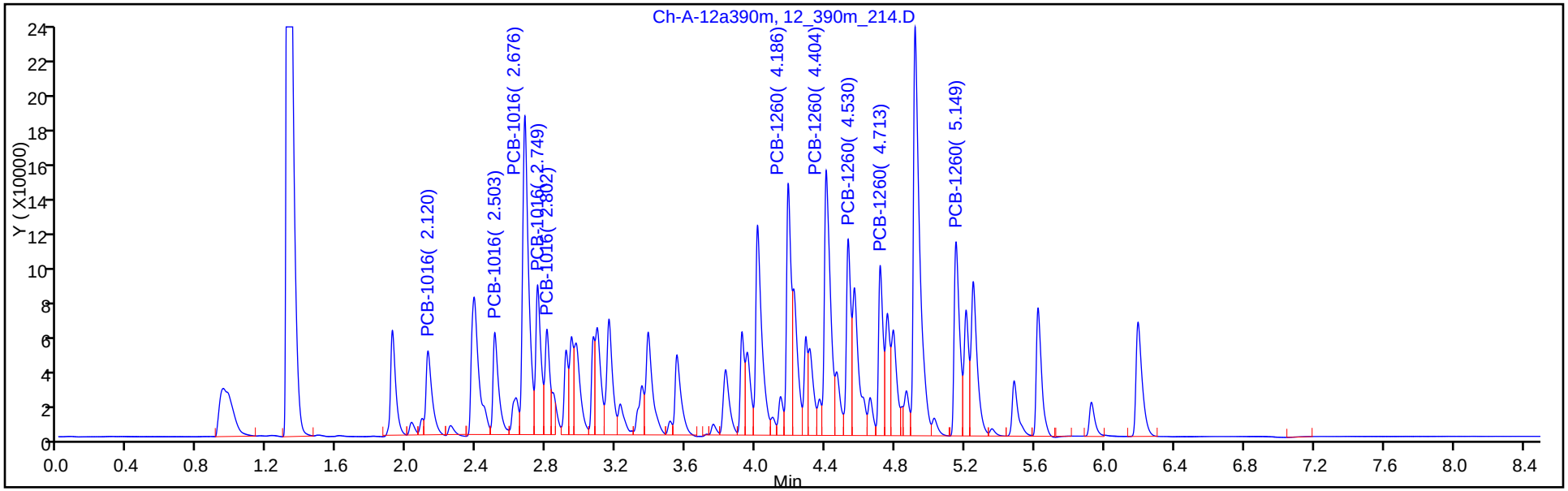
Report Date: 15-May-2017 13:50:47 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

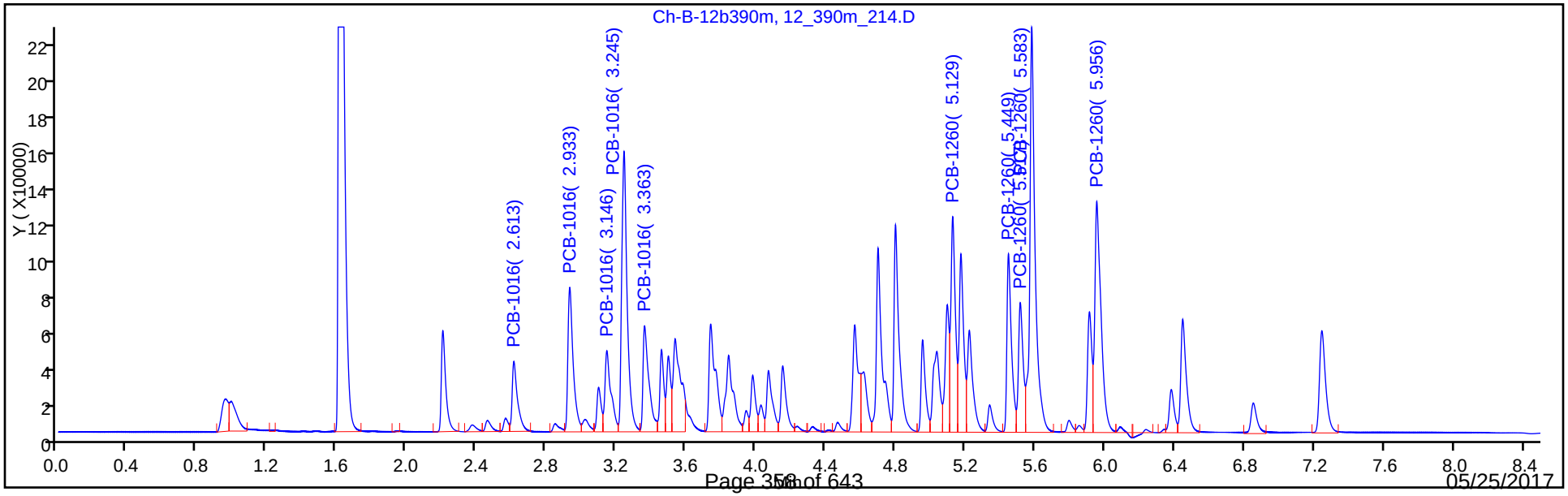
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Injection Date:	11-May-2017 15:46:31	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 7			Worklist Smp#:	17
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

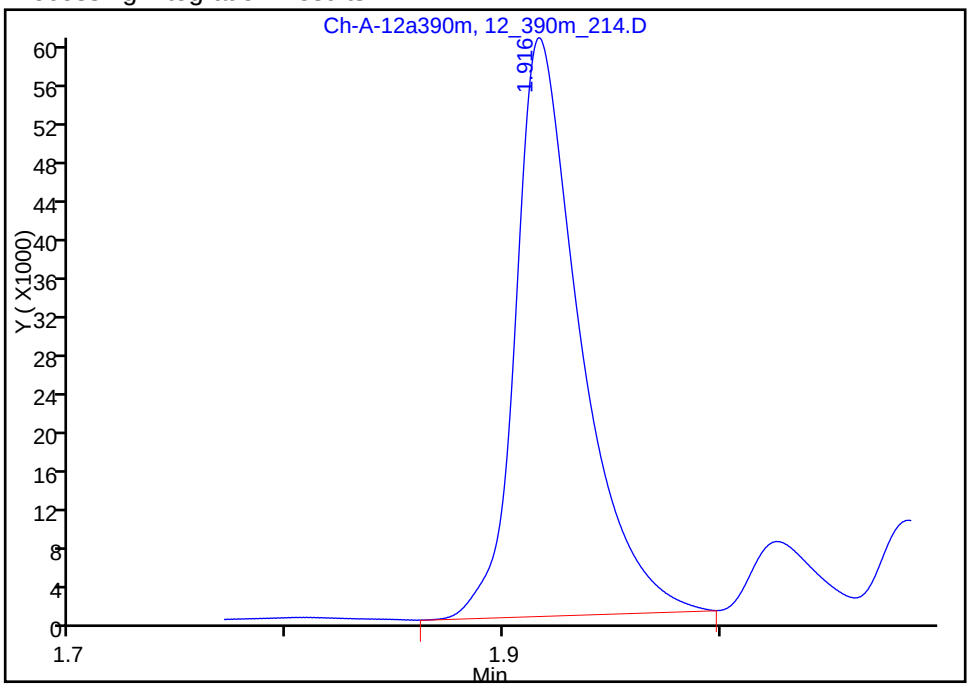
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Injection Date: 11-May-2017 15:46:31 Instrument ID: HP5890-12
Lims ID: IC 7
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 1

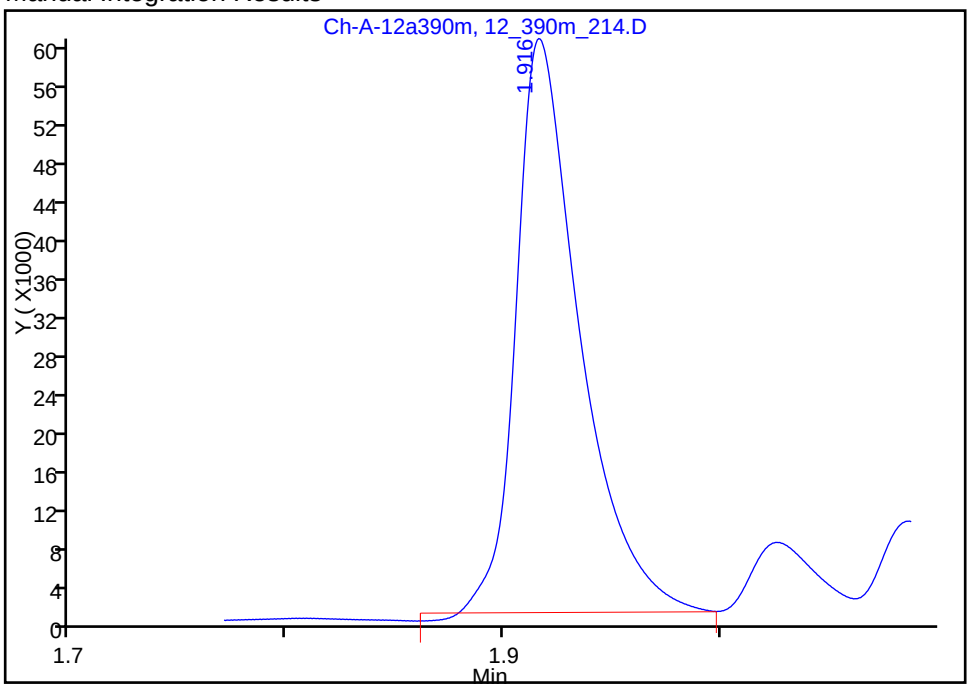
Processing Integration Results

RT: 1.92
Area: 123311
Amount: 0.050226
Amount Units: ng/uL



Manual Integration Results

RT: 1.92
Area: 119949
Amount: 0.049607
Amount Units: ng/uL



Reviewer: owenj, 11-May-2017 16:53:28
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

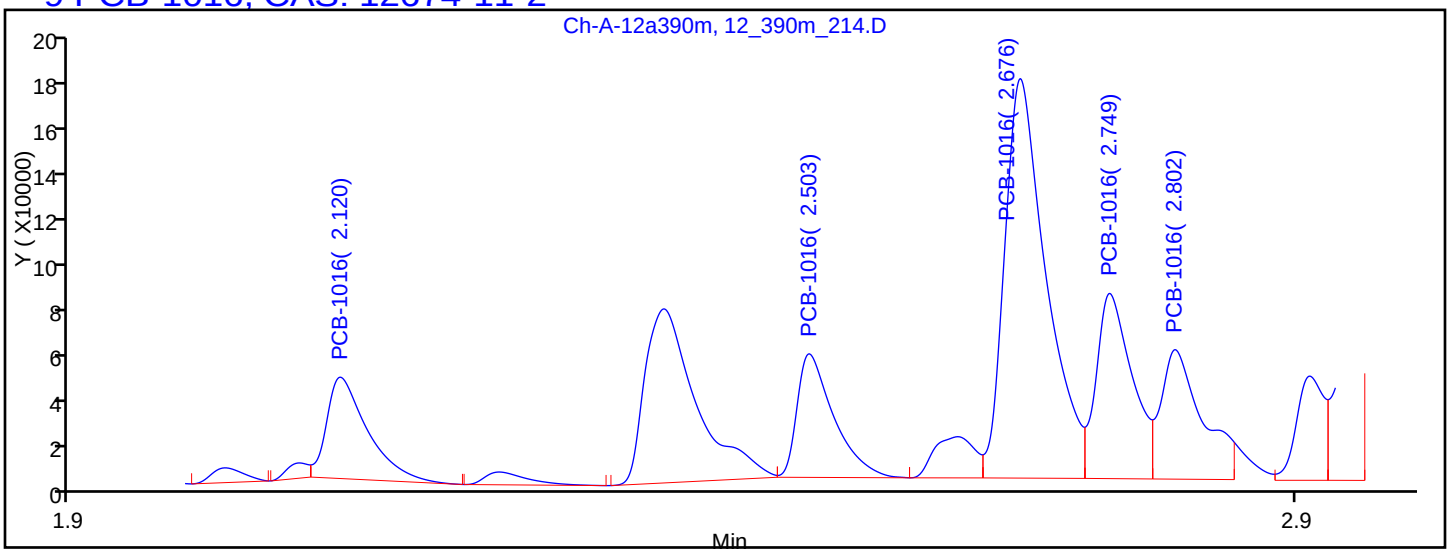
Report Date: 15-May-2017 13:50:47 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

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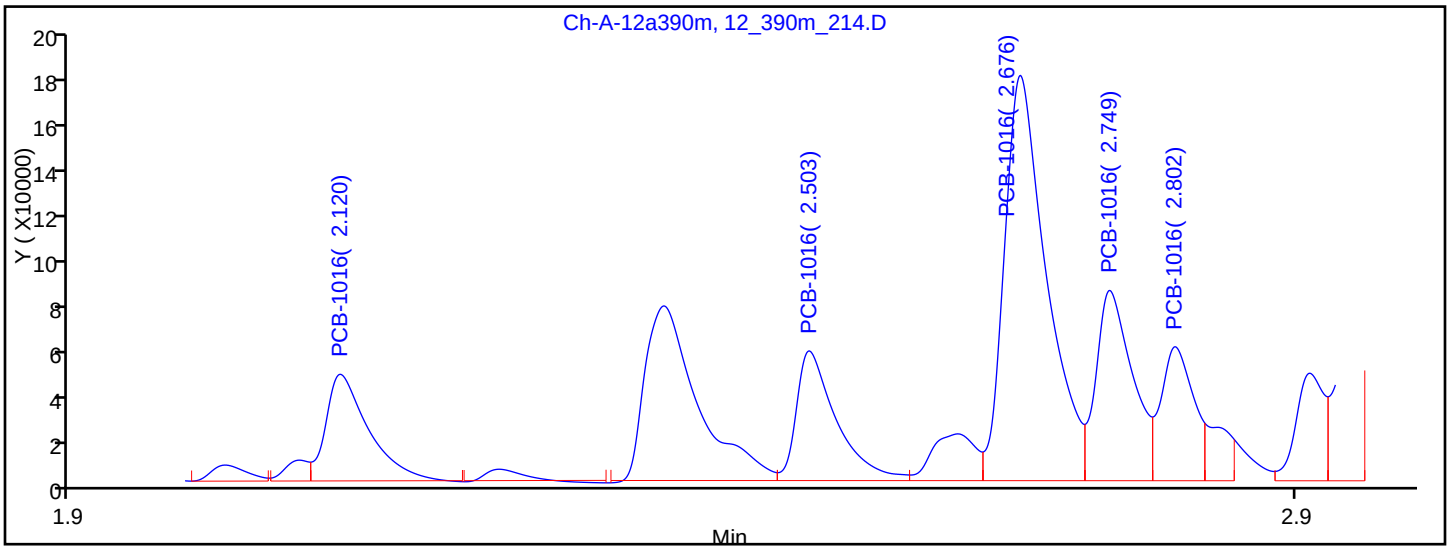
Injection Date:	11-May-2017 15:46:31	Instrument ID:	HP5890-12		
Lims ID:	IC 7				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.120	Response = 104592
2.503	Response = 113817
2.676	Response = 419232
2.749	Response = 168052
2.802	Response = 134620



Manual Integration Results

2.120	Response = 113721	M
2.503	Response = 130483	M
2.676	Response = 430879	M
2.749	Response = 175066	M
2.802	Response = 109435	M

Reviewer: owenj, 11-May-2017 16:53:27

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 15-May-2017 13:50:47 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_214.D

Injection Date: 11-May-2017 15:46:31 Instrument ID: HP5890-12

Lims ID: IC 7

Client ID:

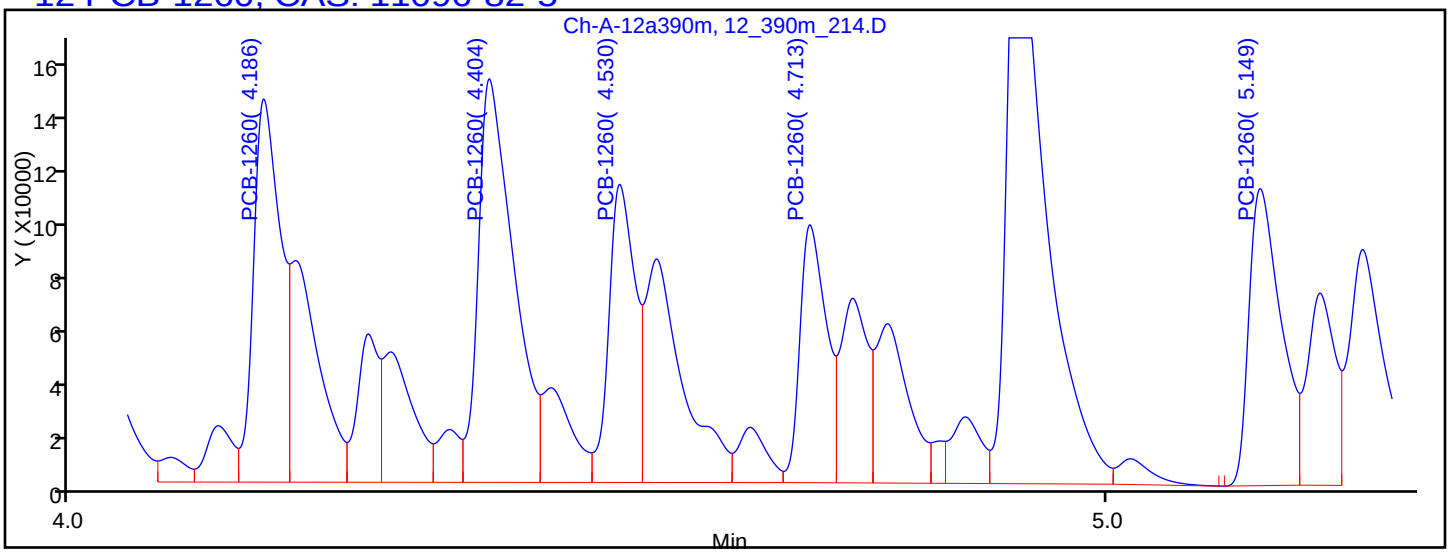
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 17

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

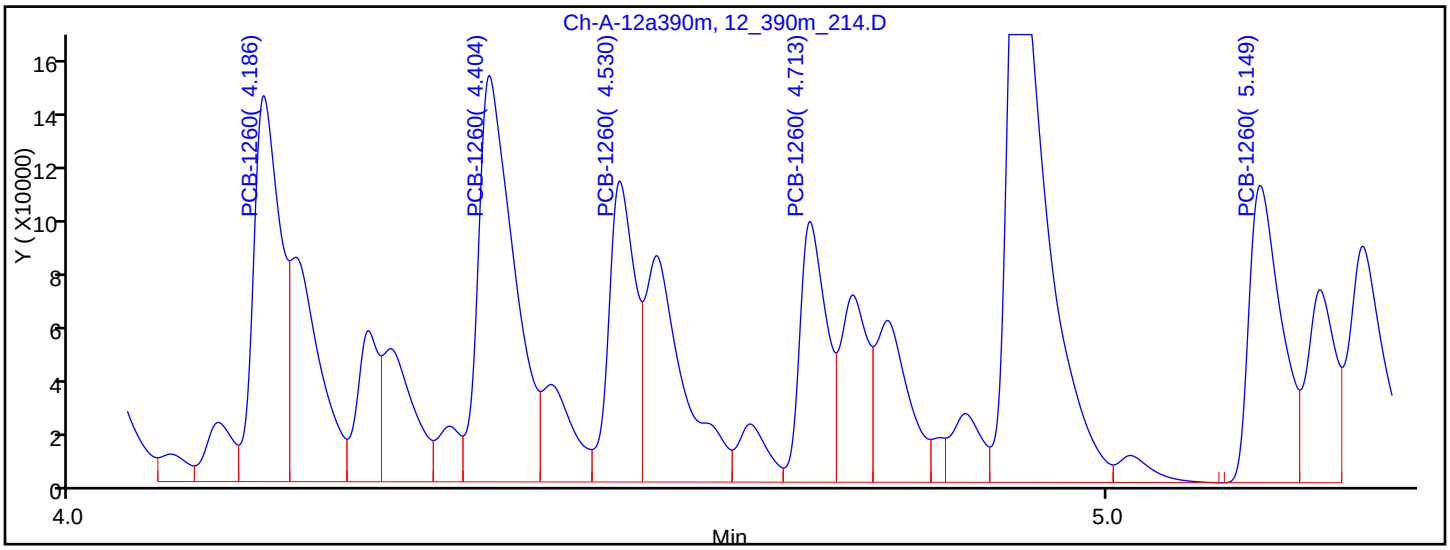
Column: Detector Ch-A-7A136

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

4.186	Response = 256982
4.404	Response = 352715
4.530	Response = 193580
4.713	Response = 168649
5.149	Response = 234404



Manual Integration Results

4.186	Response = 260007	M
4.404	Response = 357275	M
4.530	Response = 196587	M
4.713	Response = 171815	M
5.149	Response = 234875	M

Reviewer: owenj, 11-May-2017 16:53:25

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_215.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 11-May-2017 16:01:52 ALS Bottle#: 0 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:50:50 Calib Date: 12-May-2017 17:50:21
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_240.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 12-May-2017 15:33:10

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.318	1.335	-0.017	1225188	0.5000	0.5000	
2	1.616	1.603	0.013	1094893	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.917	1.892	0.025	64039	0.0250	0.0259	M
2	2.207	2.202	0.005	48270	0.0250	0.0246	
						RPD = 5.18	
9 PCB-1016							M
1	2.121	2.123	-0.002	66140	1.00	0.99	M
1	2.504	2.521	-0.017	72358	1.00	1.02	M
1	2.677	2.681	-0.004	235761	1.00	0.9741	M
1	2.750	2.758	-0.008	96162	1.00	1.03	M
1	2.803	2.803	0.000	60376	1.00	1.04	M
		Average of Peak Amounts =				1.01	
2	2.615	2.627	-0.012	44352	1.00	1.00	
2	2.935	2.938	-0.003	92451	1.00	1.01	M
2	3.147	3.146	0.001	56659	1.00	1.00	M
2	3.246	3.249	-0.003	176641	1.00	1.00	M
2	3.364	3.364	0.000	72644	1.00	0.99	M
		Average of Peak Amounts =				1.00	
						RPD = 1.27	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.187	4.185	0.002	134181	1.00	0.9760	M
1	4.404	4.402	0.002	192588	1.00	1.03	M
1	4.530	4.563	-0.033	107623	1.00	1.00	M
1	4.715	4.711	0.004	91027	1.00	1.02	M
1	5.149	5.146	0.003	122865	1.00	1.02	M
		Average of Peak Amounts =				1.01	
2	5.130	5.128	0.002	115663	1.00	1.01	
2	5.451	5.448	0.003	95144	1.00	1.00	
2	5.517	5.515	0.002	71243	1.00	1.00	
2	5.583	5.581	0.002	255646	1.00	1.01	
2	5.956	5.954	0.002	167370	1.00	1.00	
		Average of Peak Amounts =				1.00	
						RPD = 0.38	
$ 15 DCB Decachlorobiphenyl							M
1	6.194	6.187	0.007	81549	0.0250	0.0254	M
2	7.247	7.248	-0.001	74030	0.0250	0.0252	
						RPD = 0.64	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is1.0_00006 Amount Added: 1.00 Units: mL

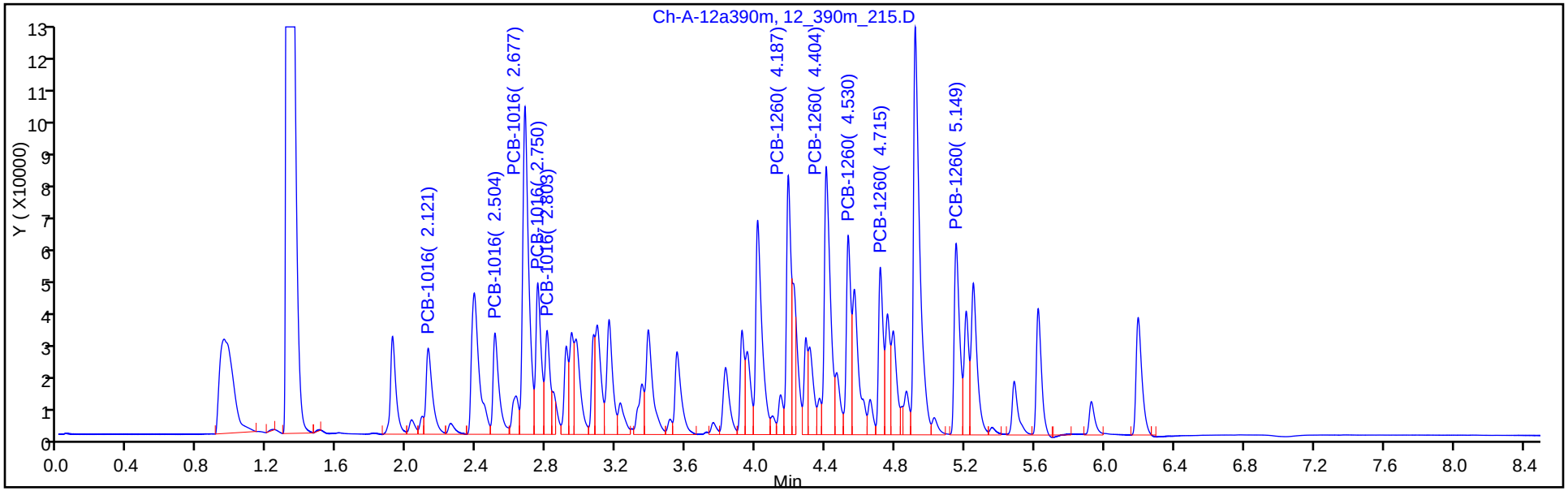
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TestAmerica Buffalo

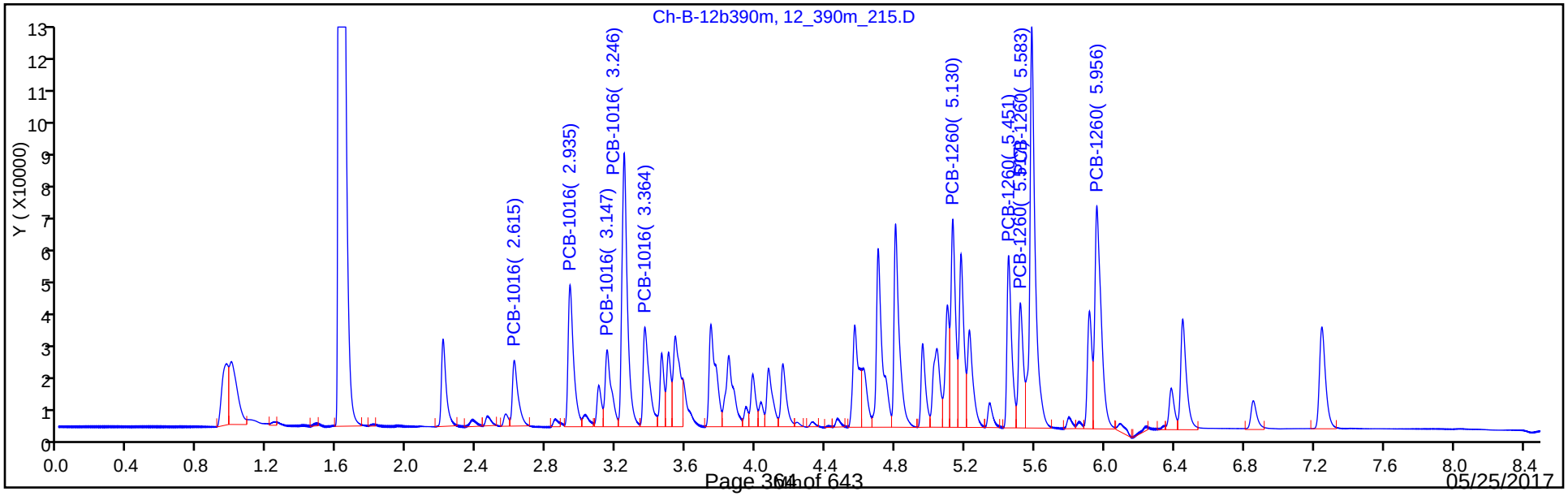
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Injection Date:	11-May-2017 16:01:52	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 6			Worklist Smp#:	18
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

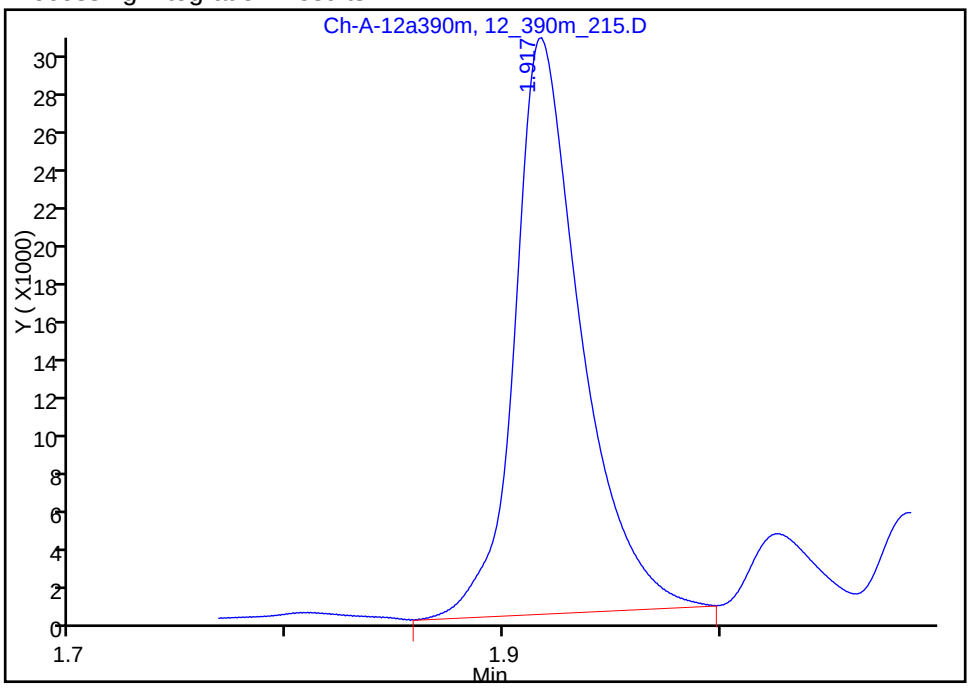
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_215.D
Injection Date: 11-May-2017 16:01:52 Instrument ID: HP5890-12
Lims ID: IC 6
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 1

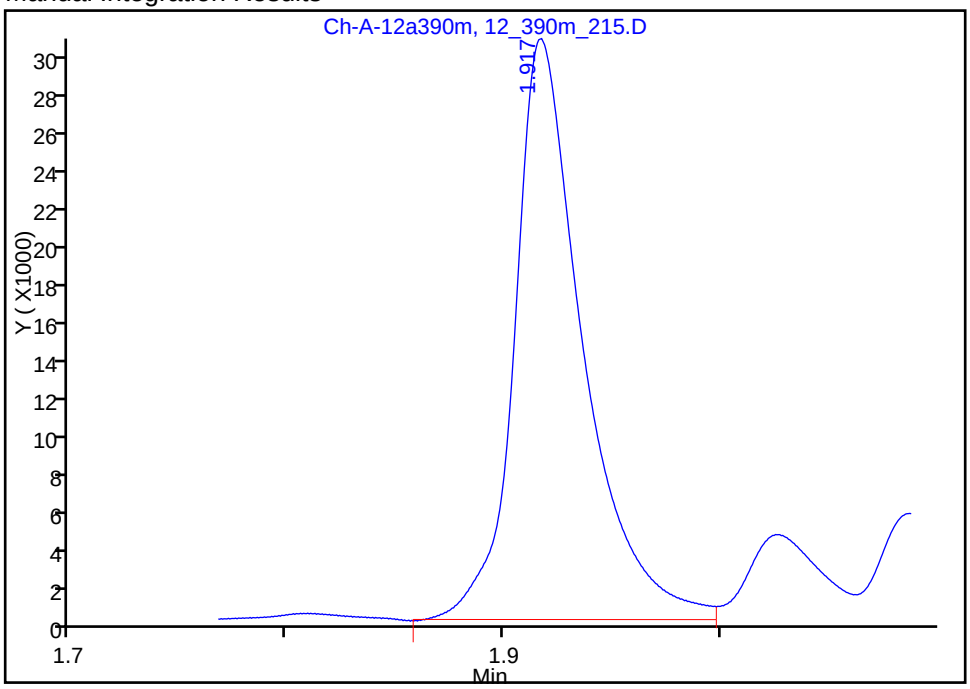
Processing Integration Results

RT: 1.92
Area: 61733
Amount: 0.025221
Amount Units: ng/uL



Manual Integration Results

RT: 1.92
Area: 64039
Amount: 0.025900
Amount Units: ng/uL



Reviewer: owenj, 12-May-2017 15:32:57
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

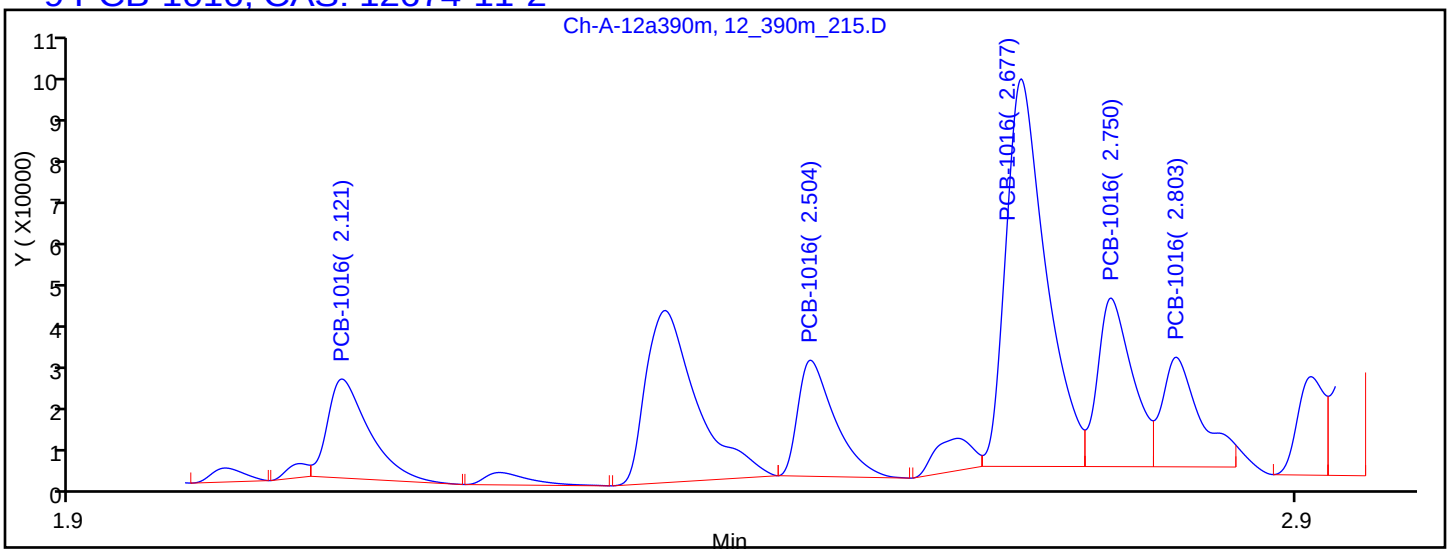
Report Date: 15-May-2017 13:50:51 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_215.D

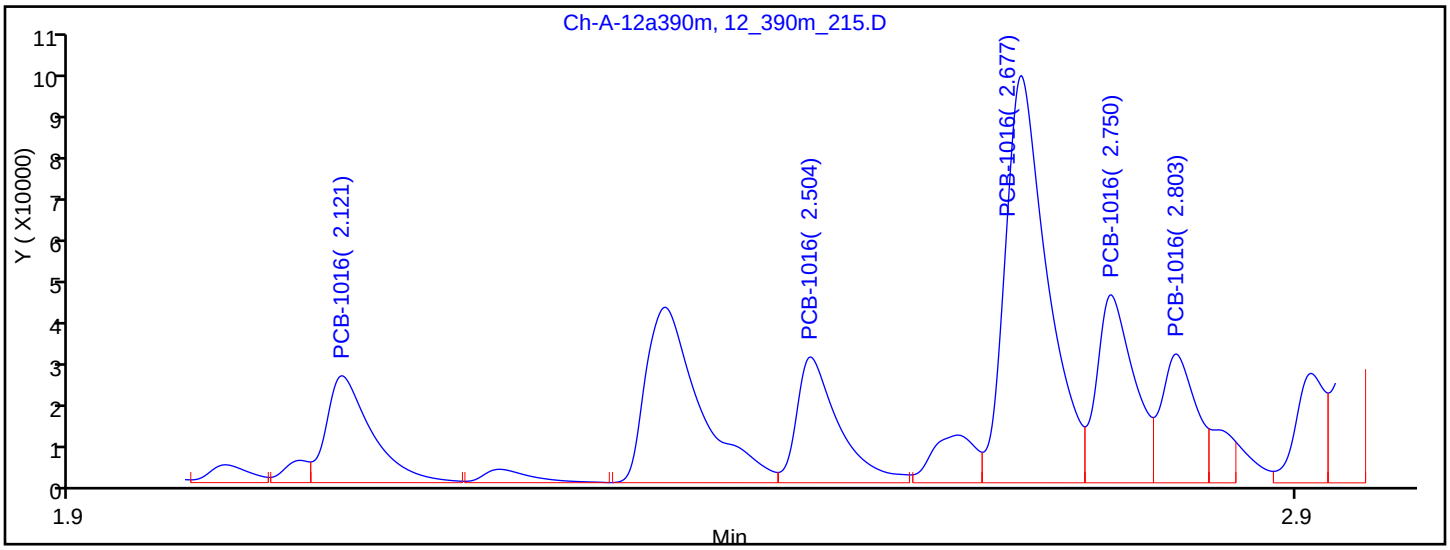
Injection Date:	11-May-2017 16:01:52	Instrument ID:	HP5890-12		
Lims ID:	IC 6				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.121	Response = 56431
2.504	Response = 58393
2.677	Response = 212118
2.750	Response = 80540
2.803	Response = 57733



Manual Integration Results

2.121	Response = 66140	M
2.504	Response = 72358	M
2.677	Response = 235761	M
2.750	Response = 96162	M
2.803	Response = 60376	M

Reviewer: owenj, 12-May-2017 15:32:57

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 15-May-2017 13:50:51 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_215.D

Injection Date: 11-May-2017 16:01:52 Instrument ID: HP5890-12

Lims ID: IC 6

Client ID:

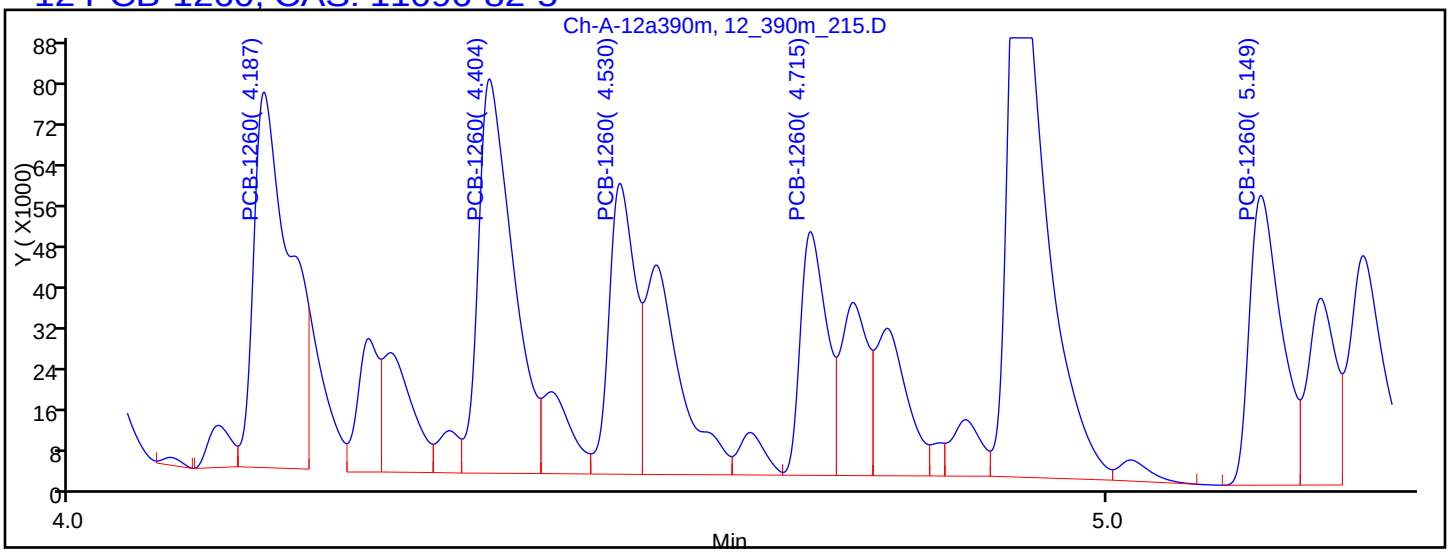
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 18

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

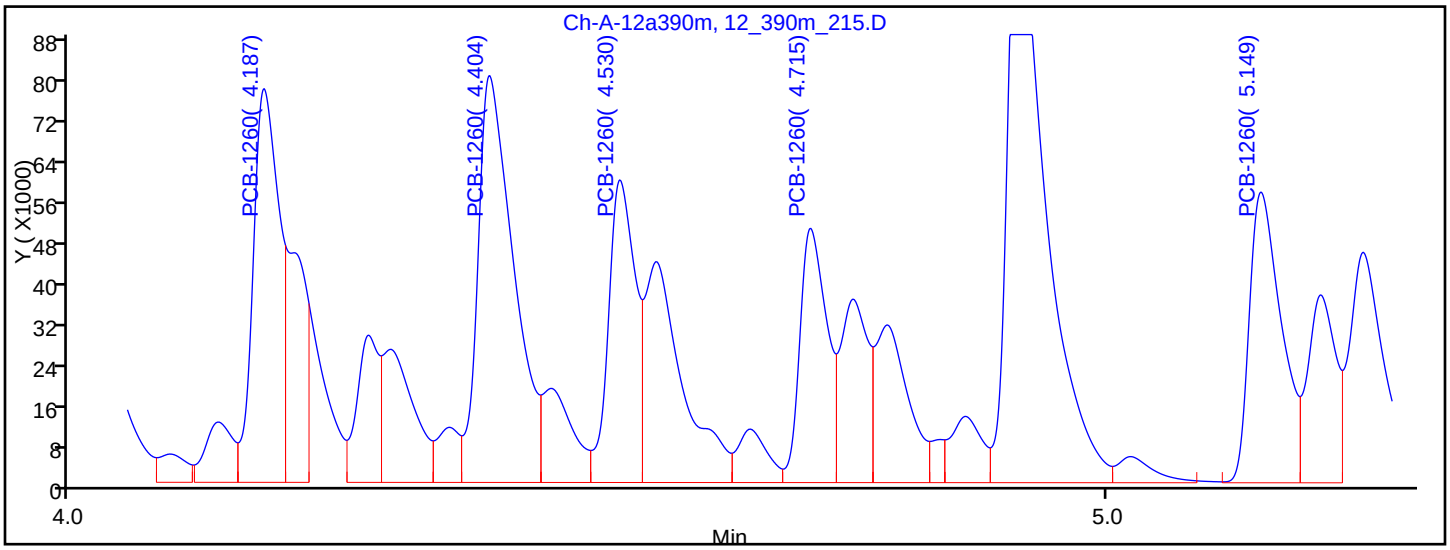
Column: Detector Ch-A-7A136

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

4.187	Response = 178277
4.404	Response = 181300
4.530	Response = 100776
4.715	Response = 84534
5.149	Response = 122031



Manual Integration Results

4.187	Response = 134181	M
4.404	Response = 192588	M
4.530	Response = 107623	M
4.715	Response = 91027	M
5.149	Response = 122865	M

Reviewer: owenj, 12-May-2017 15:33:01

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

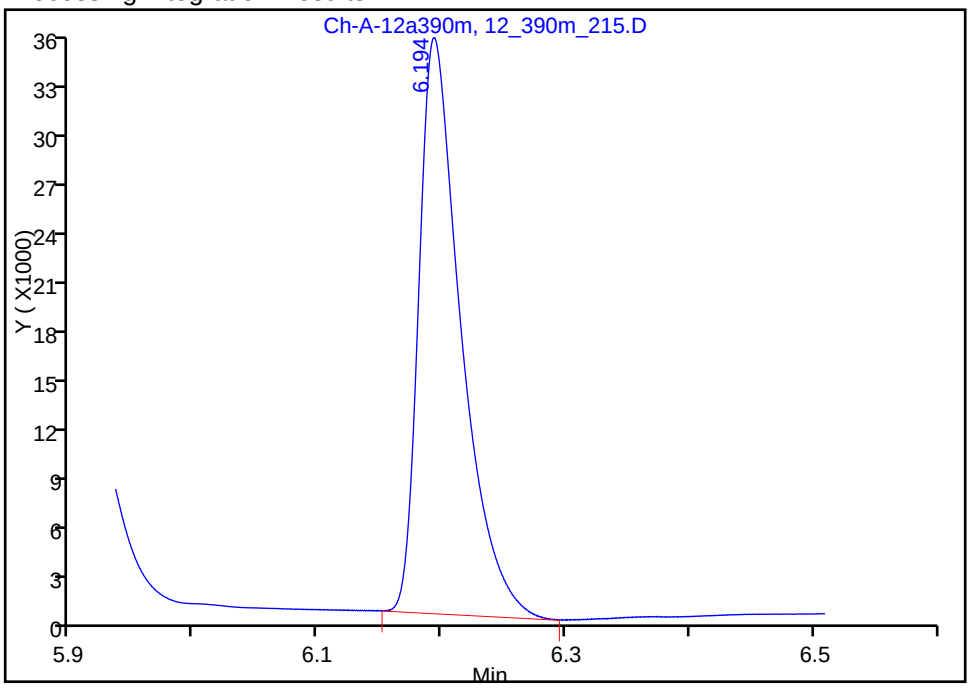
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_215.D
Injection Date: 11-May-2017 16:01:52 Instrument ID: HP5890-12
Lims ID: IC 6
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

$ 15 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 1

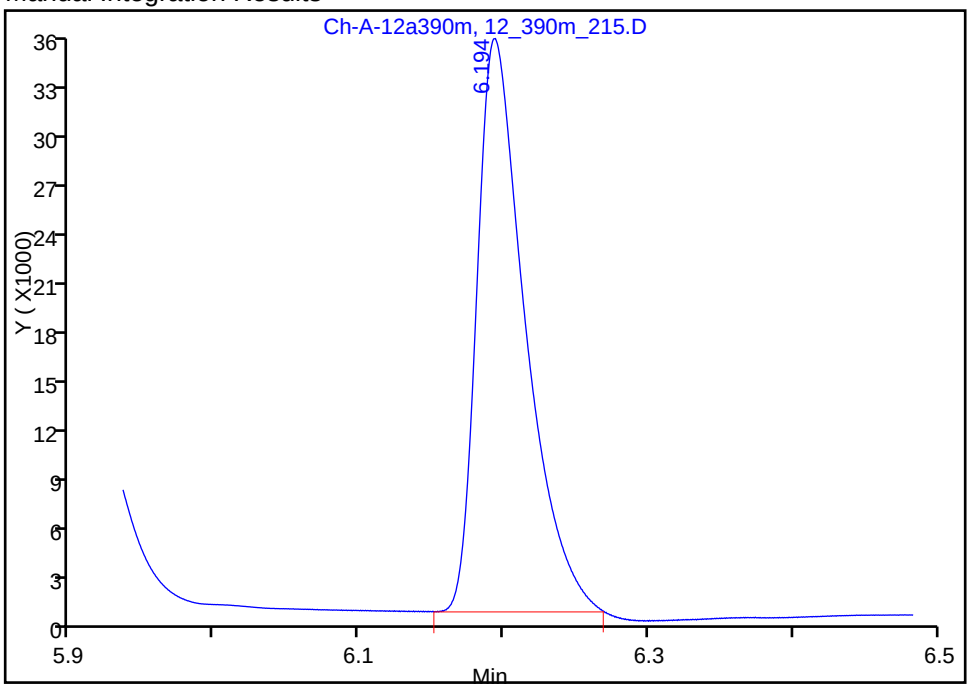
Processing Integration Results

RT: 6.19
Area: 83417
Amount: 0.025457
Amount Units: ng/uL



Manual Integration Results

RT: 6.19
Area: 81549
Amount: 0.025356
Amount Units: ng/uL



Reviewer: owenj, 12-May-2017 16:03:07
Audit Action: Split an Integrated Peak Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_216.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 11-May-2017 16:17:12 ALS Bottle#: 0 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:50:53 Calib Date: 12-May-2017 17:50:21
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_240.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 12-May-2017 15:33:58

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.319	1.319	0.000	1242256	0.5000	0.5000	
2	1.617	1.617	0.000	1109432	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.917	1.917	0.000	30459	0.0125	0.0122	M
2	2.207	2.207	0.000	23415	0.0125	0.0118	M
						RPD = 3.56	
9 PCB-1016							M
1	2.123	2.123	0.000	34907	0.5000	0.5166	M
1	2.505	2.505	0.000	37488	0.5000	0.5210	M
1	2.677	2.677	0.000	123085	0.5000	0.5016	M
1	2.751	2.751	0.000	49584	0.5000	0.5186	M
1	2.803	2.803	0.000	30097	0.5000	0.5096	M
		Average of Peak Amounts =				0.5135	
2	2.616	2.616	0.000	24469	0.5000	0.5356	M
2	2.936	2.936	0.000	49784	0.5000	0.5328	M
2	3.147	3.147	0.000	30139	0.5000	0.5235	M
2	3.246	3.246	0.000	90874	0.5000	0.5075	M
2	3.364	3.364	0.000	37865	0.5000	0.5095	M
		Average of Peak Amounts =				0.5218	
						RPD = 1.60	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.187	4.187	0.000	75072	0.5000	0.5281	M
1	4.405	4.405	0.000	97345	0.5000	0.5064	
1	4.531	4.531	0.000	55281	0.5000	0.5087	
1	4.714	4.714	0.000	45564	0.5000	0.5047	
1	5.149	5.149	0.000	60333	0.5000	0.4889	M
		Average of Peak Amounts =				0.5074	
2	5.130	5.130	0.000	58672	0.5000	0.5040	
2	5.450	5.450	0.000	48489	0.5000	0.4990	
2	5.518	5.518	0.000	37018	0.5000	0.5086	
2	5.583	5.583	0.000	129530	0.5000	0.5025	
2	5.955	5.955	0.000	84773	0.5000	0.5009	
		Average of Peak Amounts =				0.5030	
						RPD = 0.86	
$ 15 DCB Decachlorobiphenyl							M
1	6.192	6.192	0.000	40170	0.0125	0.0123	M
2	7.245	7.245	0.000	38140	0.0125	0.0128	
						RPD = 3.55	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is0.5_00005 Amount Added: 1.00 Units: mL

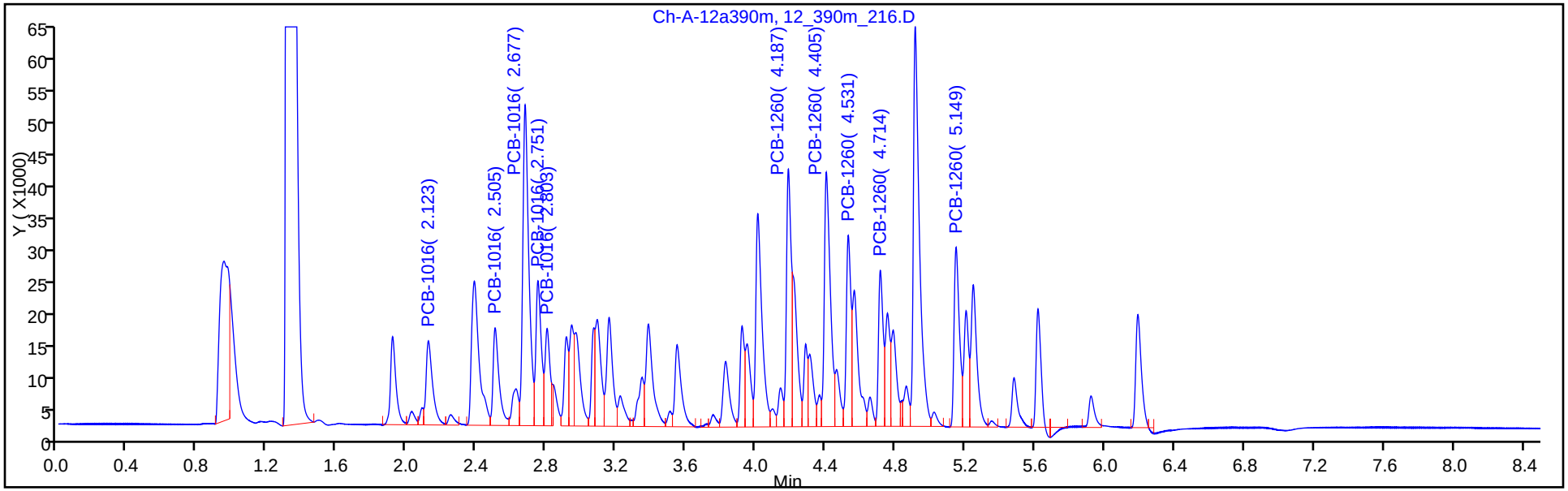
Report Date: 15-May-2017 13:50:54 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

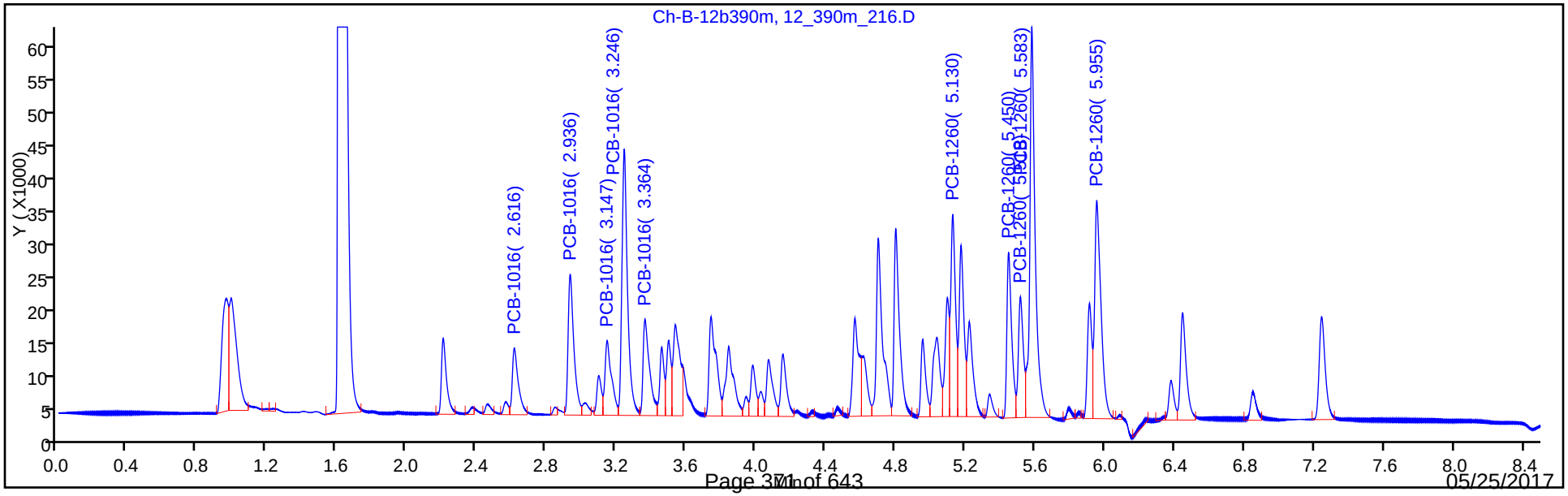
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_216.D

Injection Date:	11-May-2017 16:17:12	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	ICIS 5			Worklist Smp#:	19
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

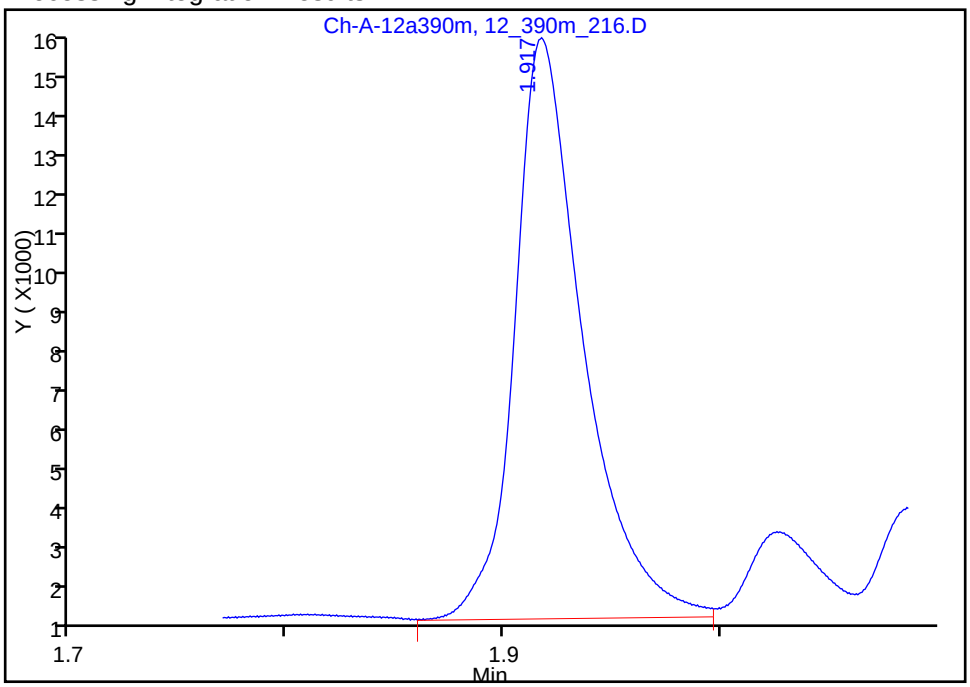
Data File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_216.D				
Injection Date:	11-May-2017 16:17:12	Instrument ID:	HP5890-12		
Lims ID:	ICIS 5				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 1

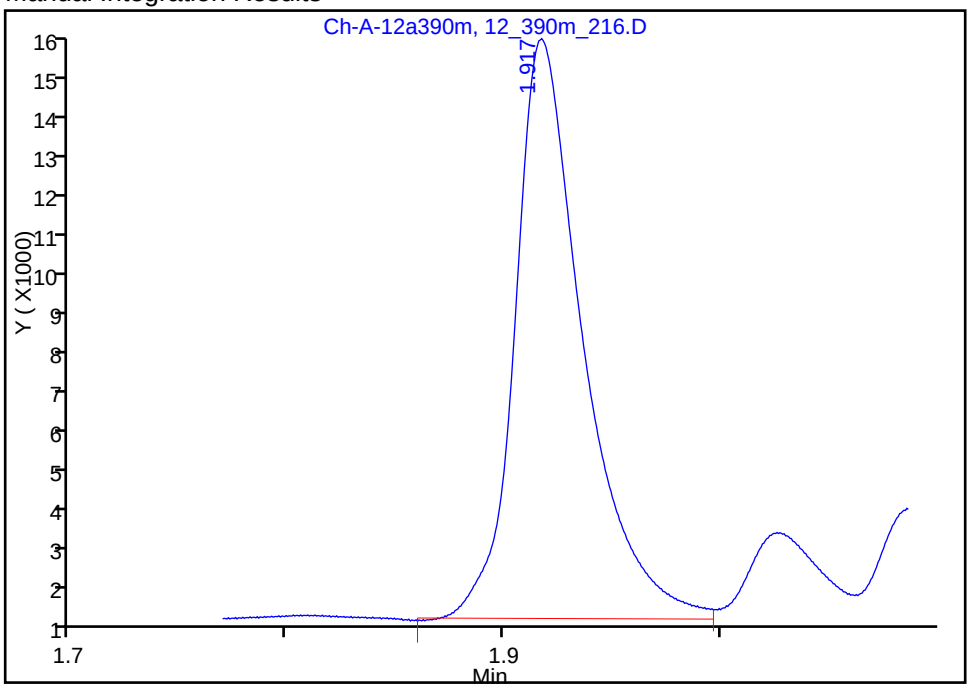
Processing Integration Results

RT: 1.92
Area: 30639
Amount: 0.012240
Amount Units: ng/uL



Manual Integration Results

RT: 1.92
Area: 30459
Amount: 0.012244
Amount Units: ng/uL



Reviewer: owenj, 12-May-2017 15:33:30
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 15-May-2017 13:50:54 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_216.D

Injection Date: 11-May-2017 16:17:12 Instrument ID: HP5890-12

Lims ID: ICIS 5

Client ID:

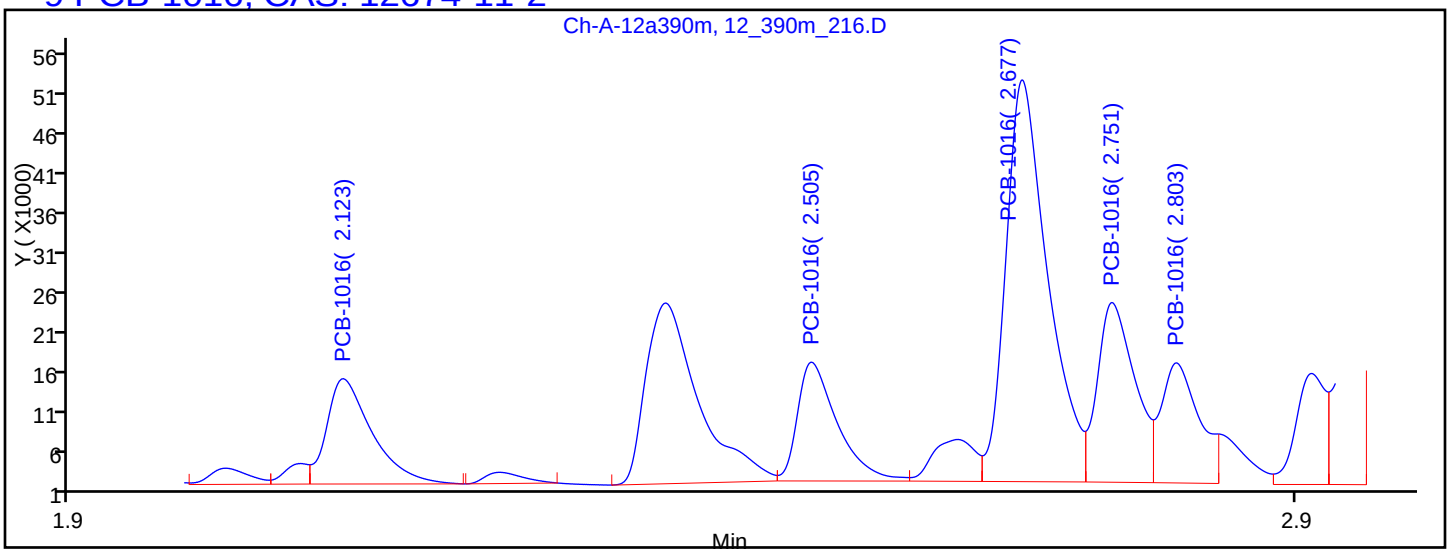
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 19

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

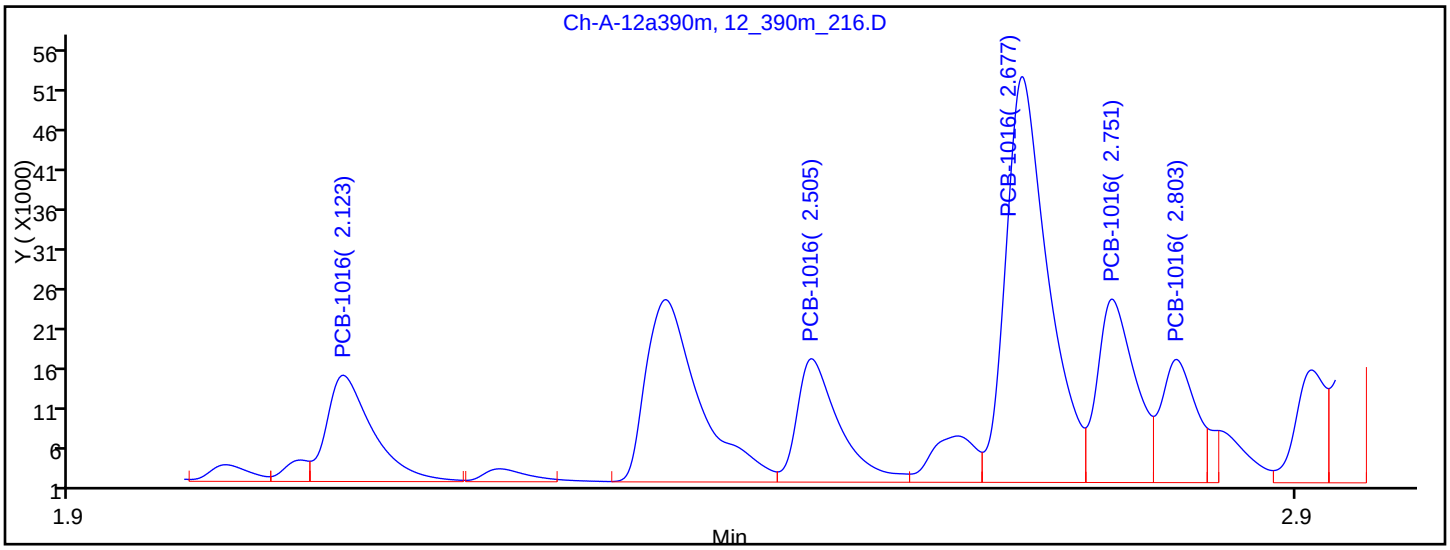
Column: Detector Ch-A-7A136

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.123	Response = 33870
2.505	Response = 33707
2.677	Response = 120408
2.751	Response = 48037
2.803	Response = 32556



Manual Integration Results

2.123	Response = 34907	M
2.505	Response = 37488	M
2.677	Response = 123085	M
2.751	Response = 49584	M
2.803	Response = 30097	M

Reviewer: owenj, 12-May-2017 15:33:30

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 15-May-2017 13:50:54 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_216.D

Injection Date: 11-May-2017 16:17:12 Instrument ID: HP5890-12

Lims ID: ICIS 5

Client ID:

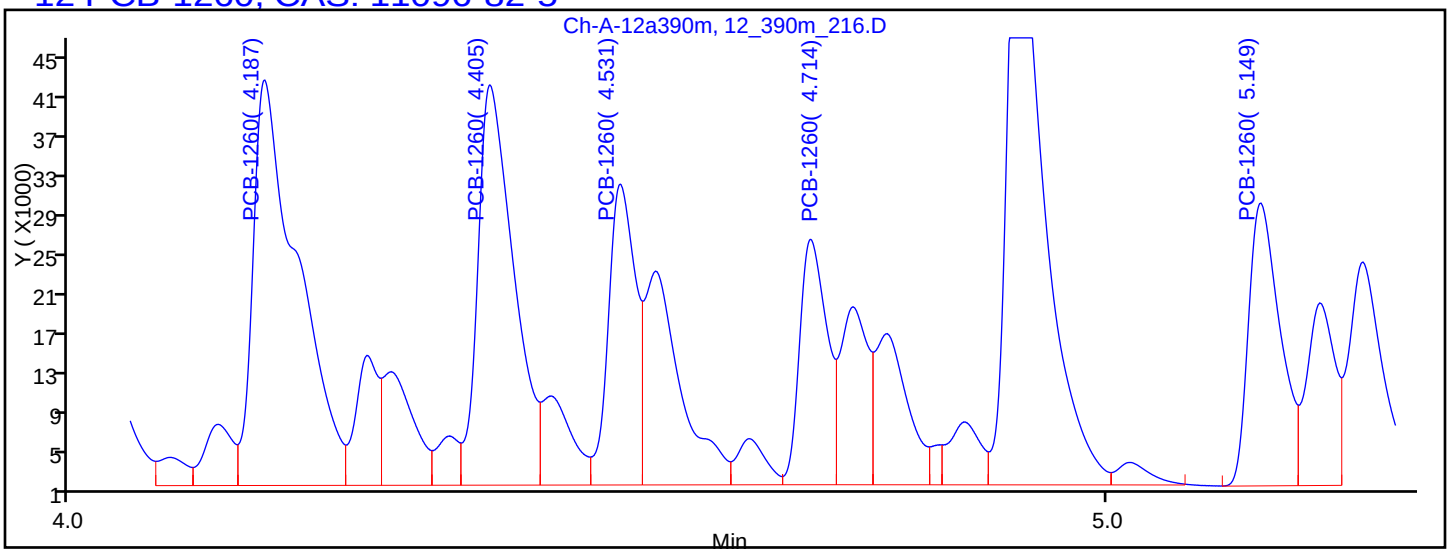
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 19

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

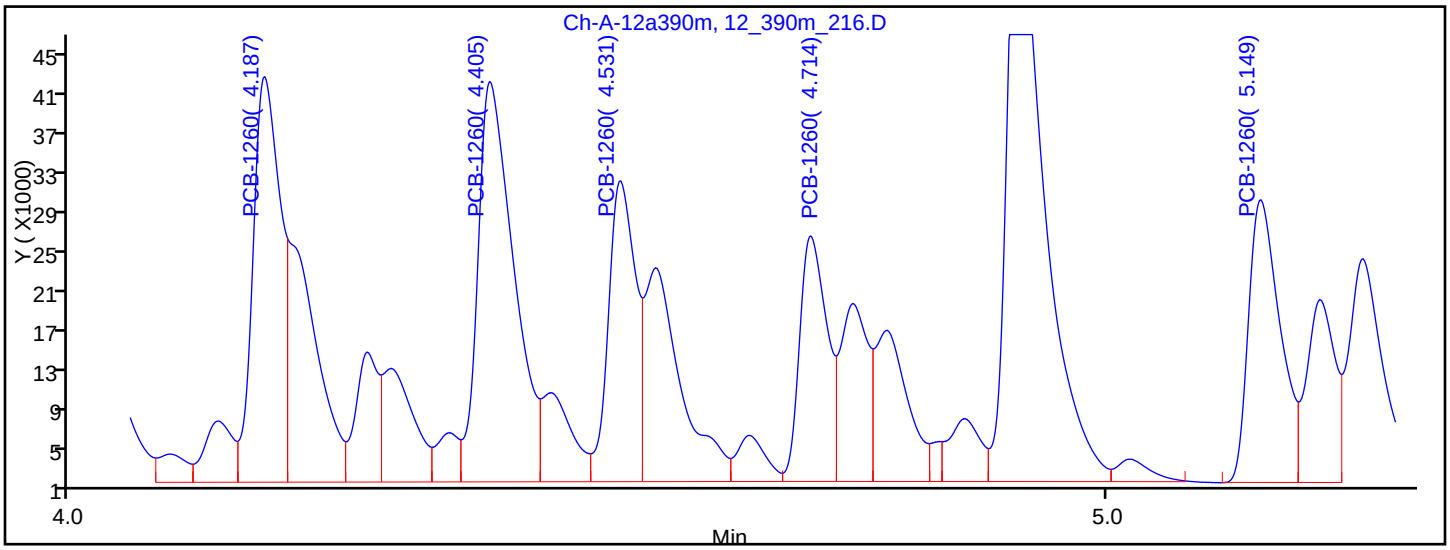
Column: Detector Ch-A-7A136

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

4.187	Response = 122717
4.405	Response = 97345
4.531	Response = 55281
4.714	Response = 45564
5.149	Response = 60410



Manual Integration Results

4.187	Response = 75072	M
4.405	Response = 97345	
4.531	Response = 55281	
4.714	Response = 45564	
5.149	Response = 60333	M

Reviewer: owenj, 12-May-2017 15:33:39

Audit Action: Split an Integrated Peak Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

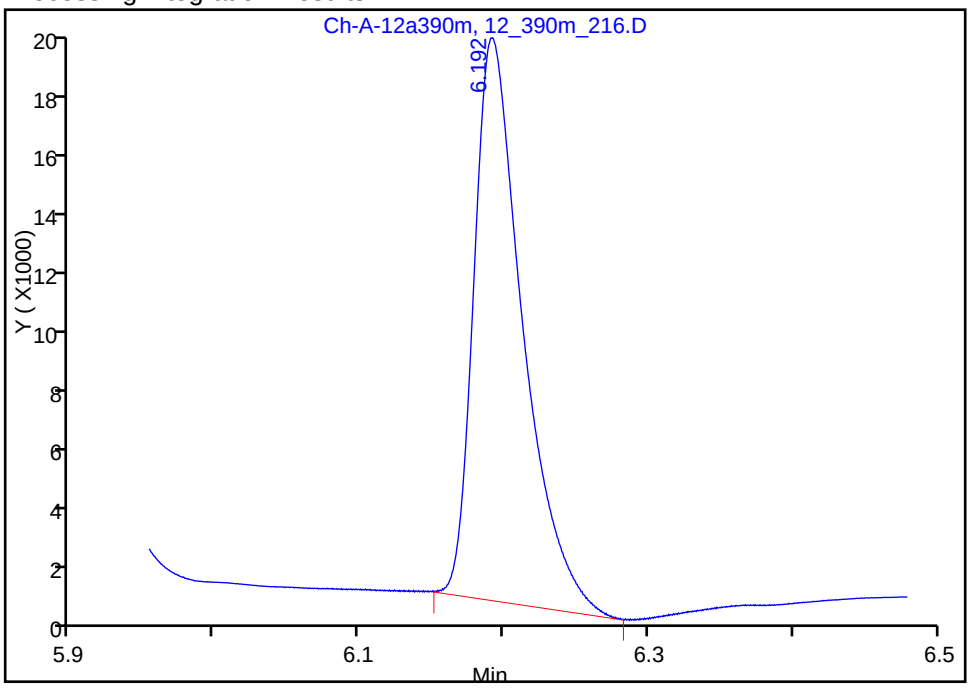
Data File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_216.D				
Injection Date:	11-May-2017 16:17:12	Instrument ID:	HP5890-12		
Lims ID:	ICIS 5				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

$ 15 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 1

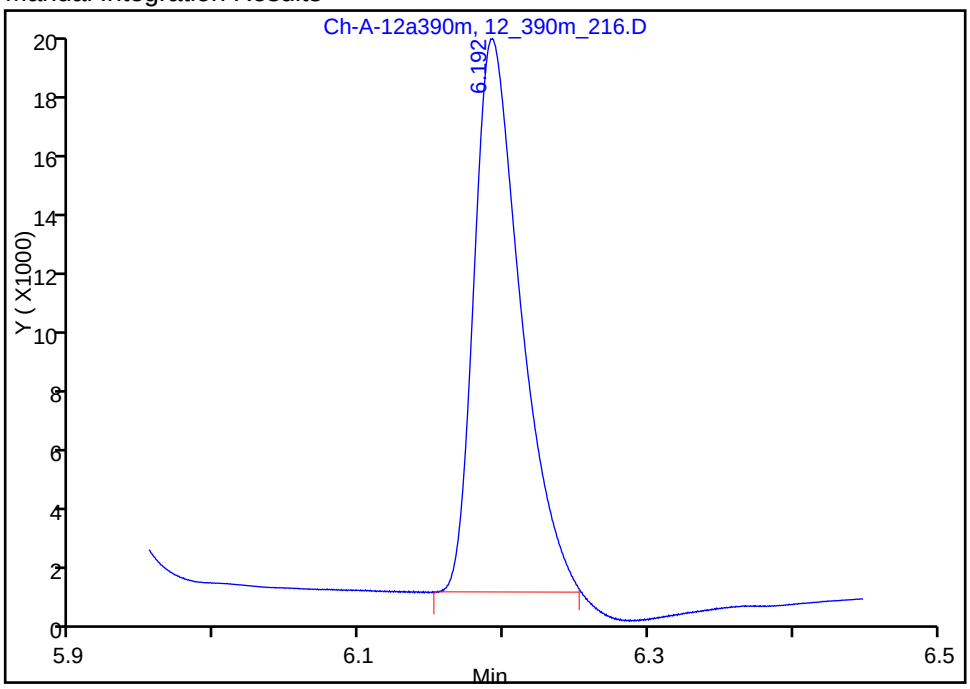
Processing Integration Results

RT: 6.19
Area: 42913
Amount: 0.012756
Amount Units: ng/uL



Manual Integration Results

RT: 6.19
Area: 40170
Amount: 0.012318
Amount Units: ng/uL



Reviewer: owenj, 12-May-2017 16:02:47

Audit Action: Split an Integrated Peak Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_217.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 11-May-2017 16:32:35 ALS Bottle#: 0 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:50:57 Calib Date: 12-May-2017 17:50:21
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_240.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 11-May-2017 17:22:30

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.319	1.319	0.000	1267222	0.5000	0.5000	
2	1.616	1.617	-0.001	1132123	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.916	1.917	-0.001	12358	0.005000	0.004977	M
2	2.207	2.207	0.000	8574	0.005000	0.004294	
						RPD = 14.75	
9 PCB-1016							M
1	2.123	2.123	0.000	15036	0.2000	0.2182	M
1	2.505	2.505	0.000	15855	0.2000	0.2160	M
1	2.678	2.677	0.001	52434	0.2000	0.2095	M
1	2.751	2.751	0.000	21437	0.2000	0.2122	M
1	2.803	2.803	0.000	12533	0.2000	0.2039	M
		Average of Peak Amounts =				0.2119	
2	2.615	2.616	-0.001	10411	0.2000	0.2132	M
2	2.936	2.936	0.000	21779	0.2000	0.2226	M
2	3.147	3.147	0.000	12711	0.2000	0.2176	M
2	3.245	3.246	-0.001	37971	0.2000	0.2056	M
2	3.364	3.364	0.000	15981	0.2000	0.2107	M
		Average of Peak Amounts =				0.2139	
						RPD = 0.94	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.187	4.187	0.000	35011	0.2000	0.2288	M
1	4.404	4.405	-0.001	42034	0.2000	0.2089	M
1	4.529	4.531	-0.002	24020	0.2000	0.2167	M
1	4.713	4.714	-0.001	18160	0.2000	0.1992	M
1	5.148	5.149	-0.001	24761	0.2000	0.1912	M
		Average of Peak Amounts =				0.2089	
2	5.129	5.130	-0.001	26704	0.2000	0.2222	M
2	5.449	5.450	-0.001	22758	0.2000	0.2246	M
2	5.516	5.518	-0.002	16127	0.2000	0.2125	M
2	5.583	5.583	0.000	55320	0.2000	0.2078	M
2	5.955	5.955	0.000	35418	0.2000	0.2046	M
		Average of Peak Amounts =				0.2143	
						RPD = 2.55	
$ 15 DCB Decachlorobiphenyl							M
1	6.189	6.192	-0.003	16167	0.005000	0.004860	M
2	7.243	7.245	-0.002	15899	0.005000	0.005158	
						RPD = 5.94	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is0.2_00005 Amount Added: 1.00 Units: mL

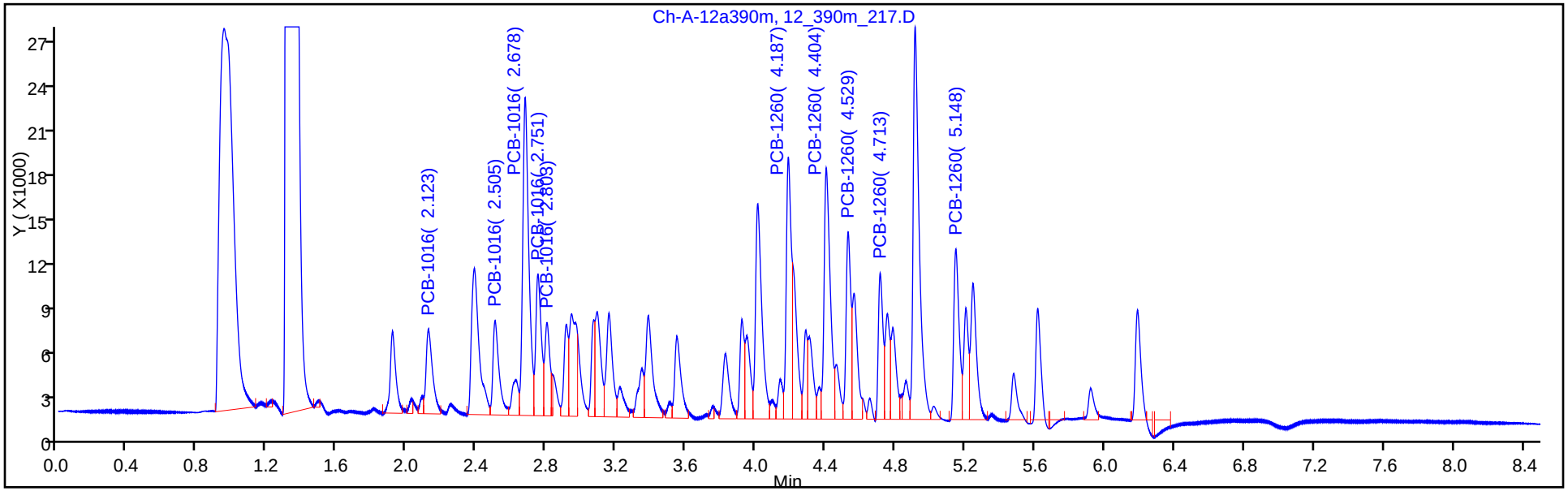
Report Date: 15-May-2017 13:50:58 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

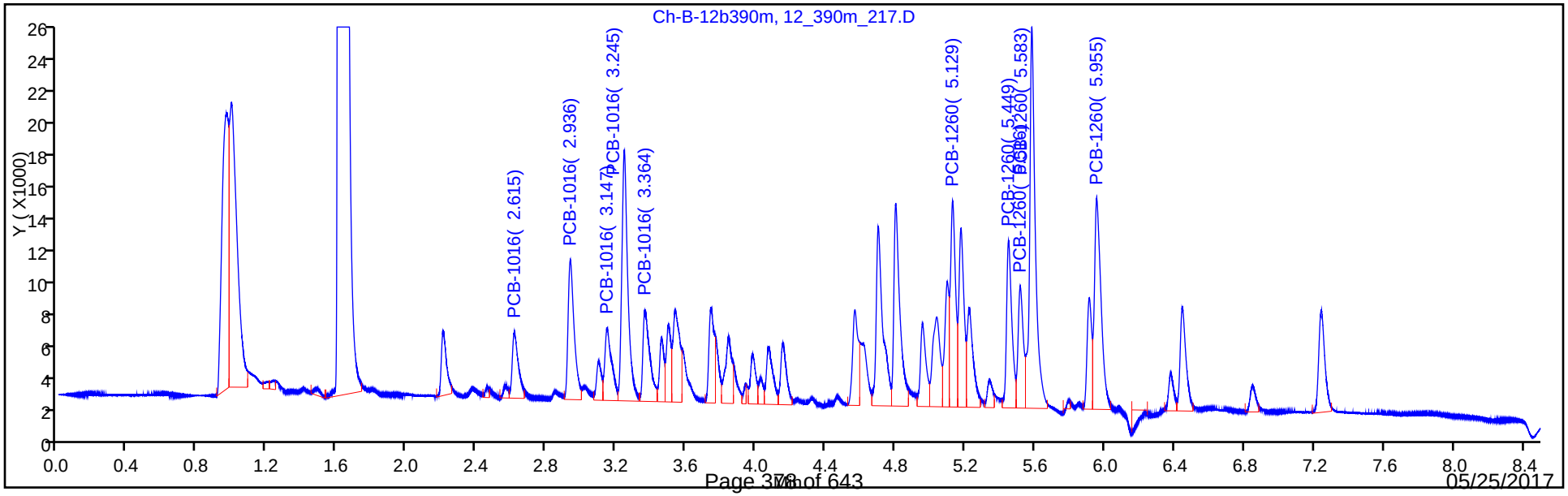
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_217.D

Injection Date:	11-May-2017 16:32:35	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 4			Worklist Smp#:	20
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

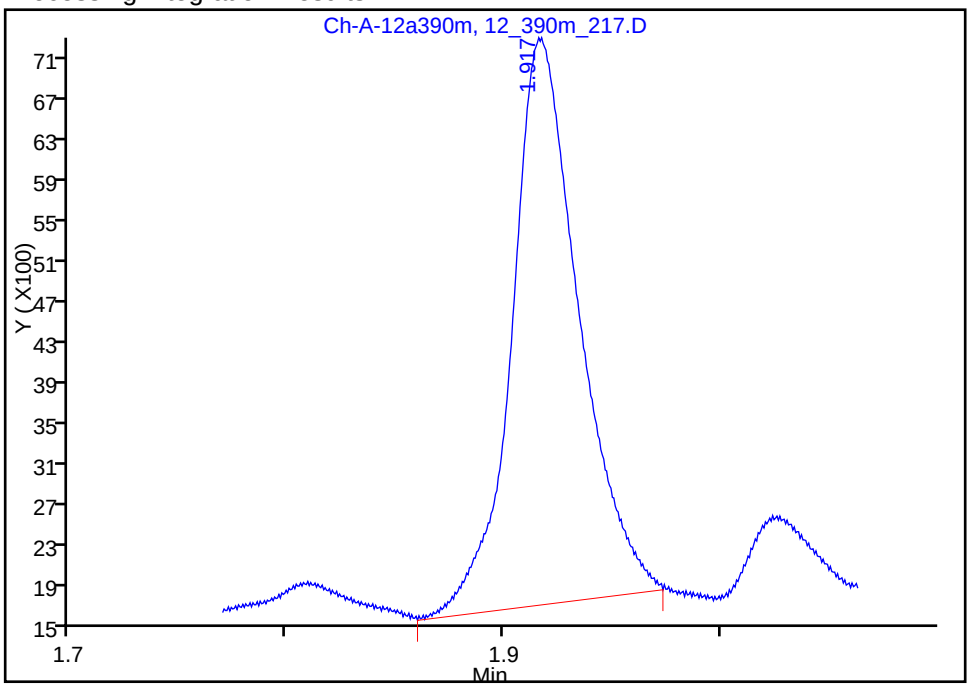
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_217.D
Injection Date: 11-May-2017 16:32:35 Instrument ID: HP5890-12
Lims ID: IC 4
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 1

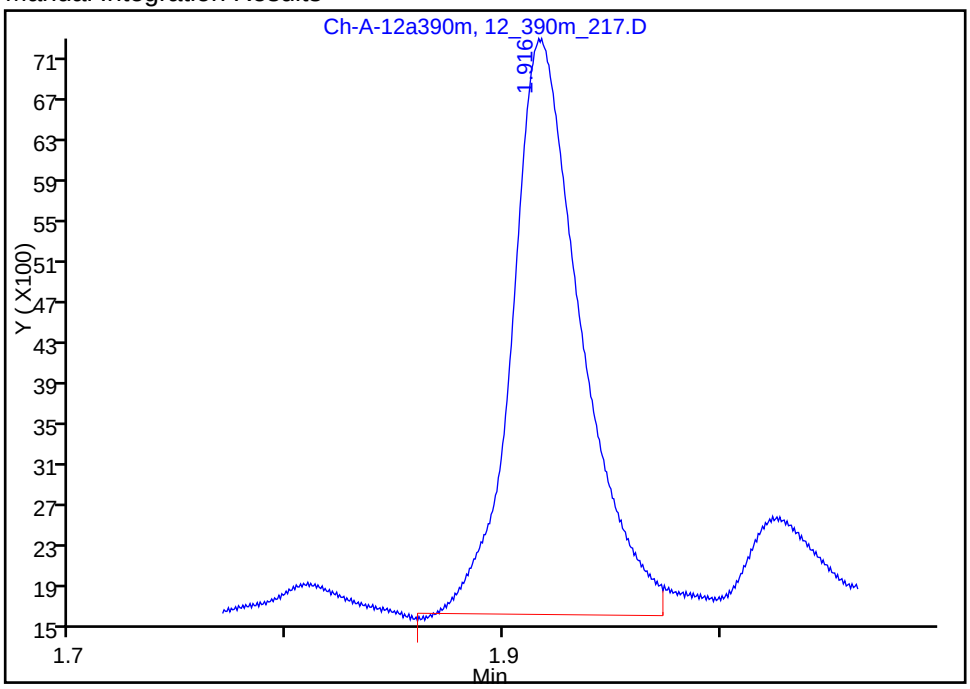
Processing Integration Results

RT: 1.92
Area: 11800
Amount: 0.004648
Amount Units: ng/uL



Manual Integration Results

RT: 1.92
Area: 12358
Amount: 0.004977
Amount Units: ng/uL



Reviewer: owenj, 12-May-2017 15:34:19
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

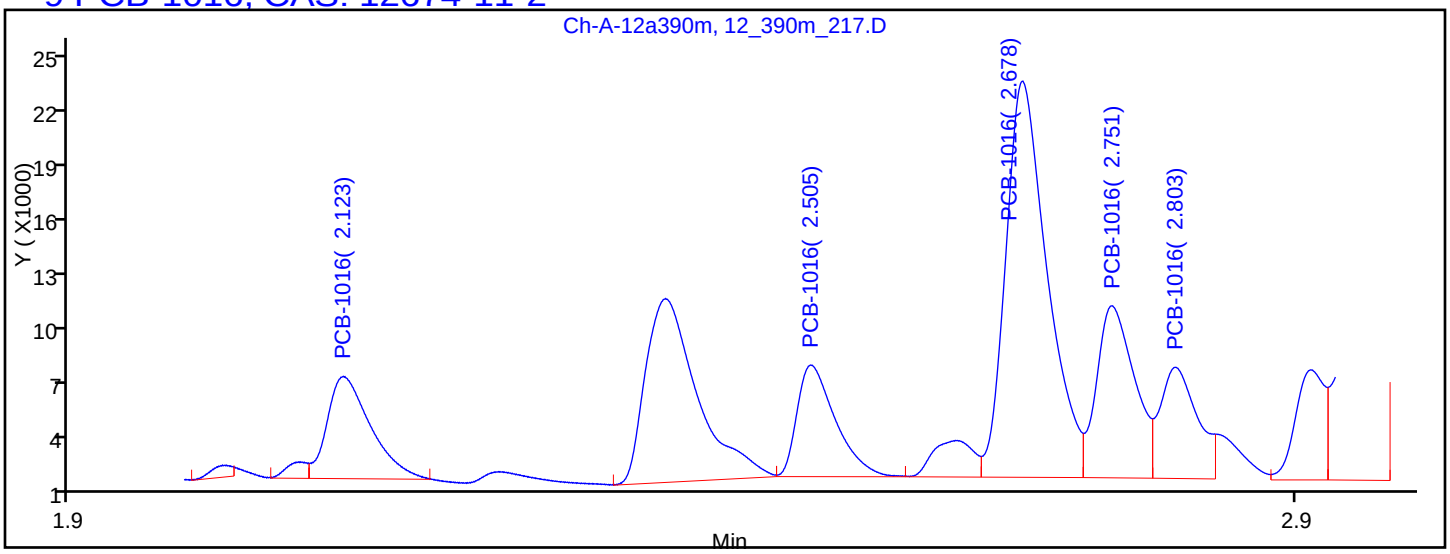
Report Date: 15-May-2017 13:50:58 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_217.D

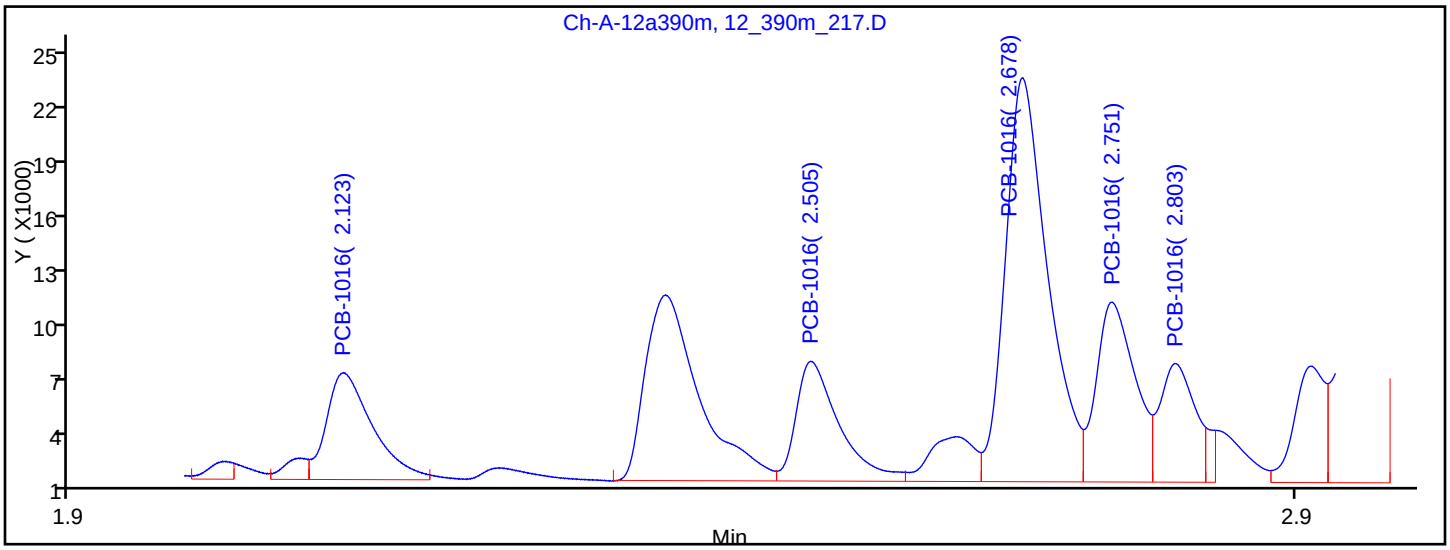
Injection Date:	11-May-2017 16:32:35	Instrument ID:	HP5890-12		
Lims ID:	IC 4				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.123	Response = 13553
2.505	Response = 13033
2.678	Response = 50216
2.751	Response = 19978
2.803	Response = 12652



Manual Integration Results

2.123	Response = 15036	M
2.505	Response = 15855	M
2.678	Response = 52434	M
2.751	Response = 21437	M
2.803	Response = 12533	M

Reviewer: owenj, 12-May-2017 15:34:19

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 15-May-2017 13:50:58 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_217.D

Injection Date: 11-May-2017 16:32:35 Instrument ID: HP5890-12

Lims ID: IC 4

Client ID:

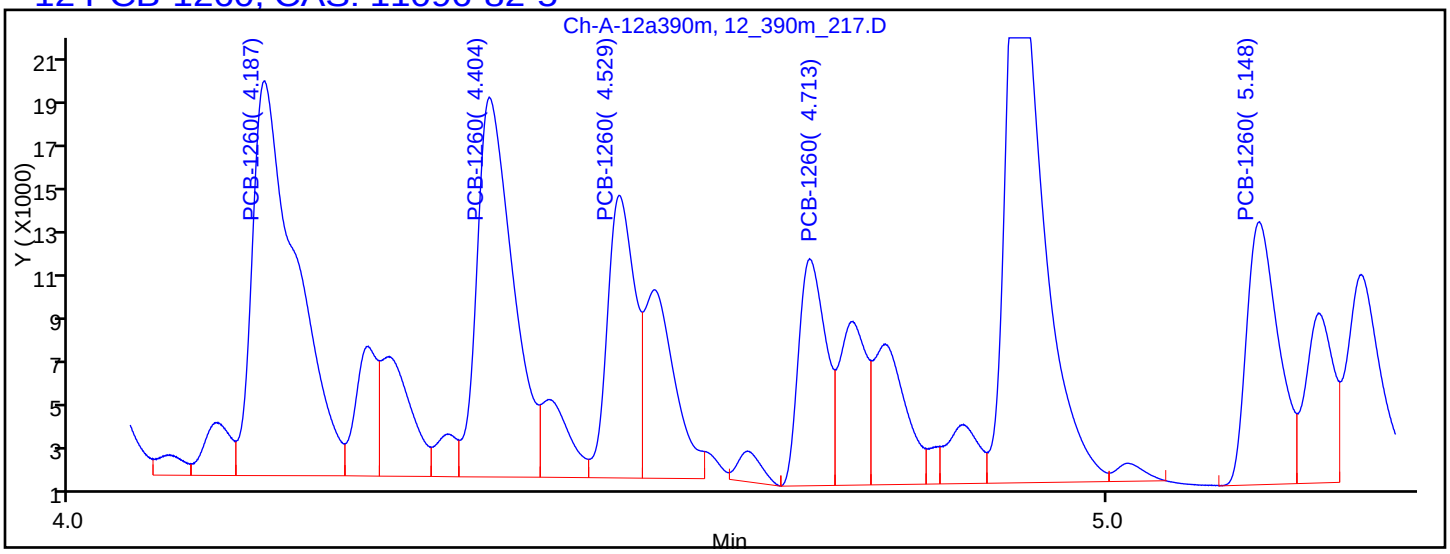
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 20

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

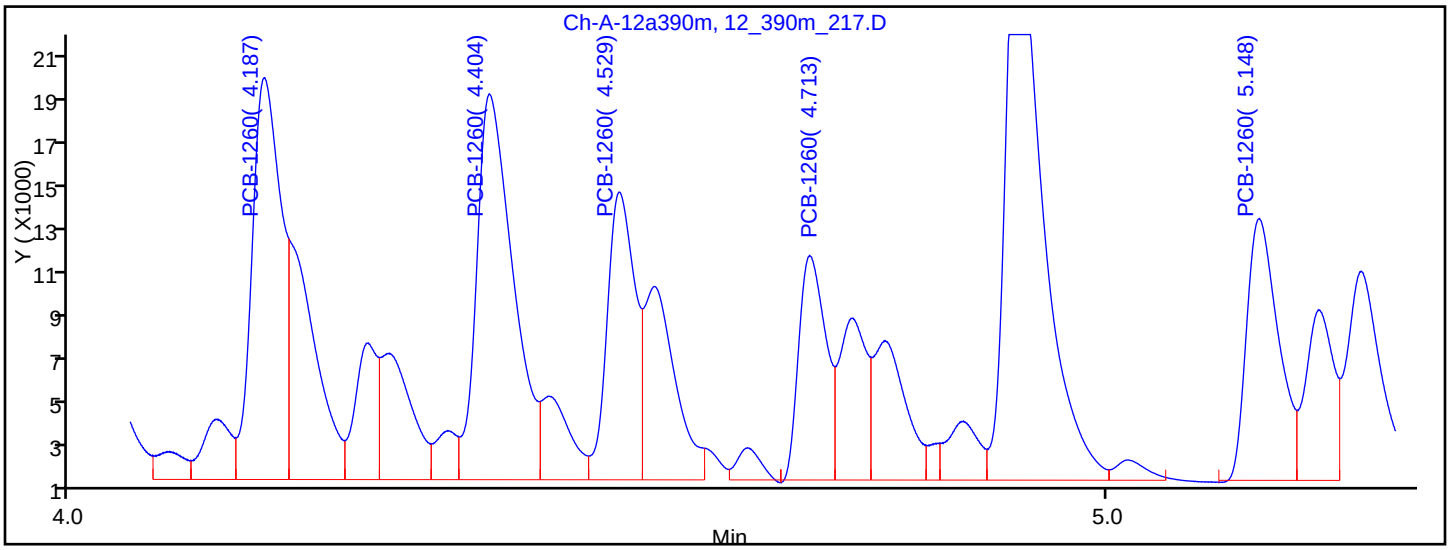
Column: Detector Ch-A-7A136

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

4.187	Response = 51916
4.404	Response = 40783
4.529	Response = 23304
4.713	Response = 18508
5.148	Response = 24987



Manual Integration Results

4.187	Response = 35011	M
4.404	Response = 42034	M
4.529	Response = 24020	M
4.713	Response = 18160	M
5.148	Response = 24761	M

Reviewer: owenj, 12-May-2017 15:34:15

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

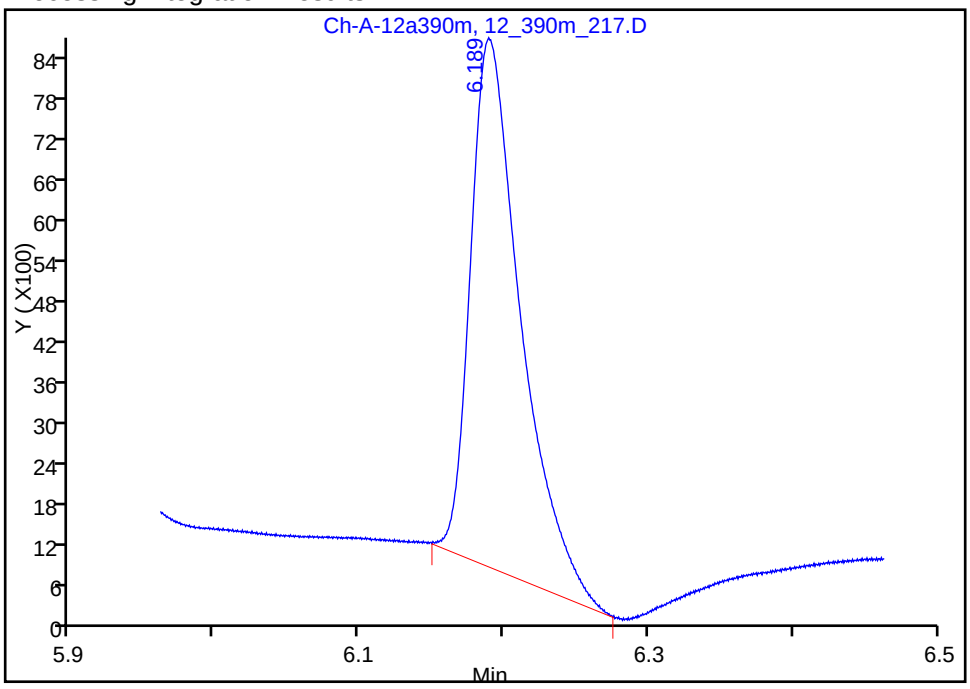
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Injection Date: 11-May-2017 16:32:35 Instrument ID: HP5890-12
Lims ID: IC 4
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

$ 15 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 1

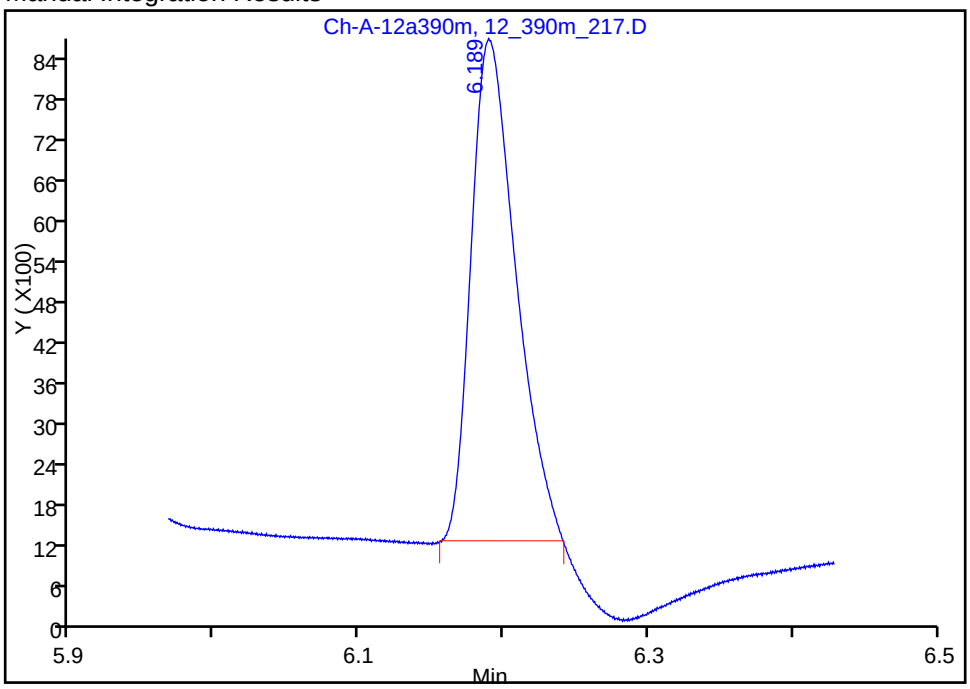
Processing Integration Results

RT: 6.19
Area: 19225
Amount: 0.005470
Amount Units: ng/uL



Manual Integration Results

RT: 6.19
Area: 16167
Amount: 0.004860
Amount Units: ng/uL



Reviewer: owenj, 12-May-2017 16:02:28
Audit Action: Split an Integrated Peak Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_218.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 11-May-2017 17:07:37 ALS Bottle#: 0 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:51:01 Calib Date: 12-May-2017 17:50:21
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_240.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 12-May-2017 15:35:45

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.321	1.319	0.002	1215530	0.5000	0.5000	
2	1.618	1.617	0.001	1069342	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.924	1.917	0.007	5027	0.002500	0.002214	M
2	2.210	2.207	0.003	4181	0.002500	0.002257	M
						RPD = 1.95	
9 PCB-1016							M
1	2.133	2.123	0.010	6478	0.1000	0.0980	
1	2.516	2.505	0.011	7014	0.1000	0.0996	M
1	2.690	2.677	0.013	24849	0.1000	0.1035	M
1	2.763	2.751	0.012	10105	0.1000	0.0975	M
1	2.815	2.803	0.012	5681	0.1000	0.0927	M
		Average of Peak Amounts =				0.0983	
2	2.621	2.616	0.005	4852	0.1000	0.0964	M
2	2.944	2.936	0.008	10245	0.1000	0.1058	M
2	3.154	3.147	0.007	4397	0.1000	0.0810	M
2	3.254	3.246	0.008	17306	0.1000	0.0973	M
2	3.371	3.364	0.007	6439	0.1000	0.0899	M
		Average of Peak Amounts =				0.0941	
						RPD = 4.35	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.202	4.187	0.015	17798	0.1000	0.1103	M
1	4.419	4.405	0.014	21079	0.1000	0.1047	M
1	4.545	4.531	0.014	11503	0.1000	0.1082	M
1	4.729	4.714	0.015	9001	0.1000	0.1045	M
1	5.163	5.149	0.014	12480	0.1000	0.0961	M
		Average of Peak Amounts =				0.1047	
2	5.139	5.130	0.009	12126	0.1000	0.1044	M
2	5.459	5.450	0.009	10136	0.1000	0.1010	M
2	5.527	5.518	0.009	7891	0.1000	0.1061	M
2	5.593	5.583	0.010	28326	0.1000	0.1107	M
2	5.965	5.955	0.010	16798	0.1000	0.1023	M
		Average of Peak Amounts =				0.1049	
						RPD = 0.17	
$ 15 DCB Decachlorobiphenyl							M
1	6.207	6.192	0.015	8233	0.002500	0.002580	M
2	7.258	7.245	0.013	7544	0.002500	0.002544	
						RPD = 1.43	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is0.1_00006 Amount Added: 1.00 Units: mL

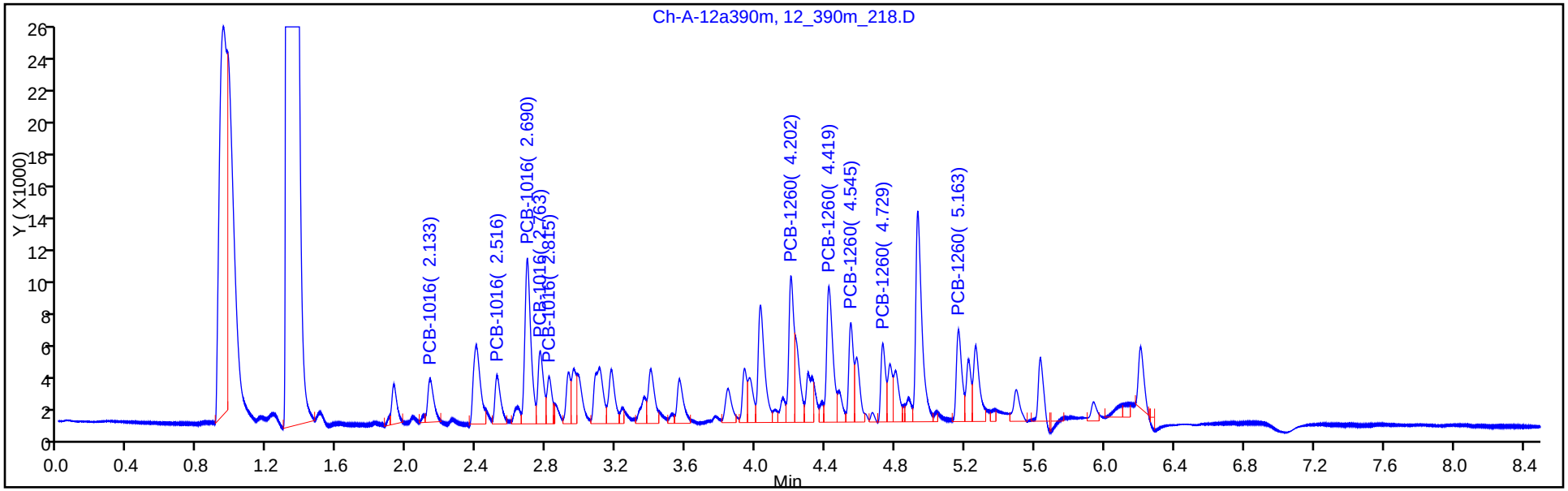
Report Date: 15-May-2017 13:51:01 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

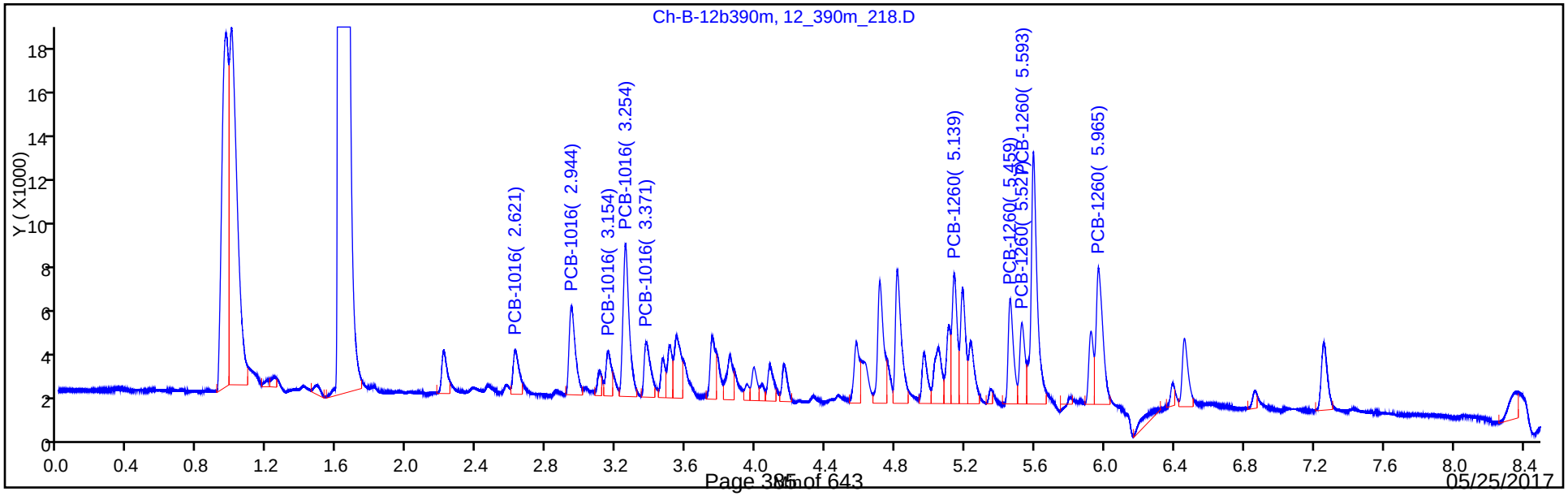
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_218.D

Injection Date:	11-May-2017 17:07:37	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	21
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

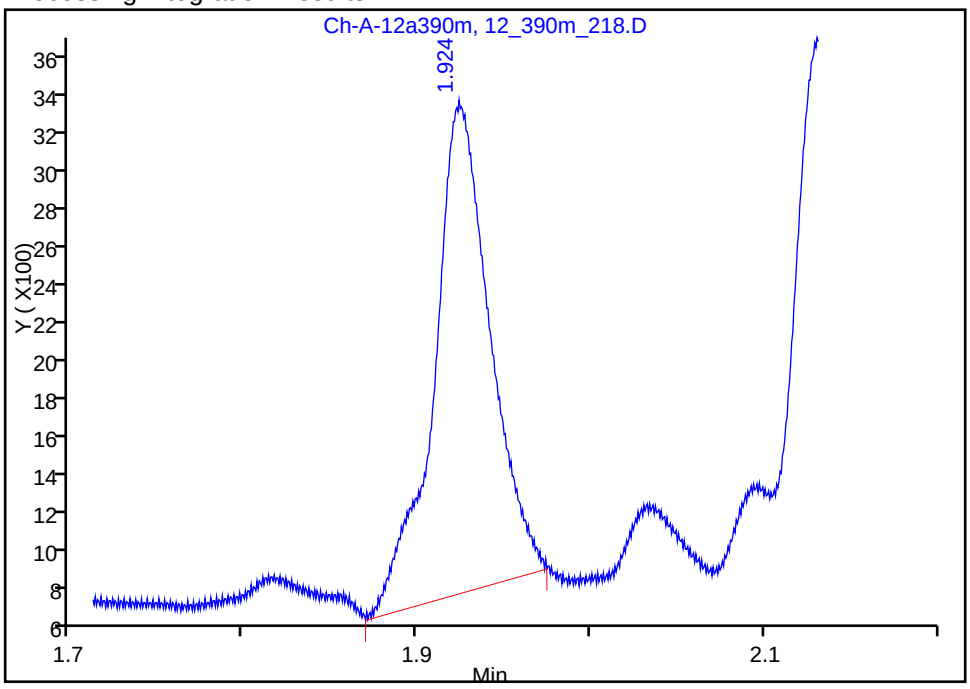
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_218.D
Injection Date: 11-May-2017 17:07:37 Instrument ID: HP5890-12
Lims ID: IC 3
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 1

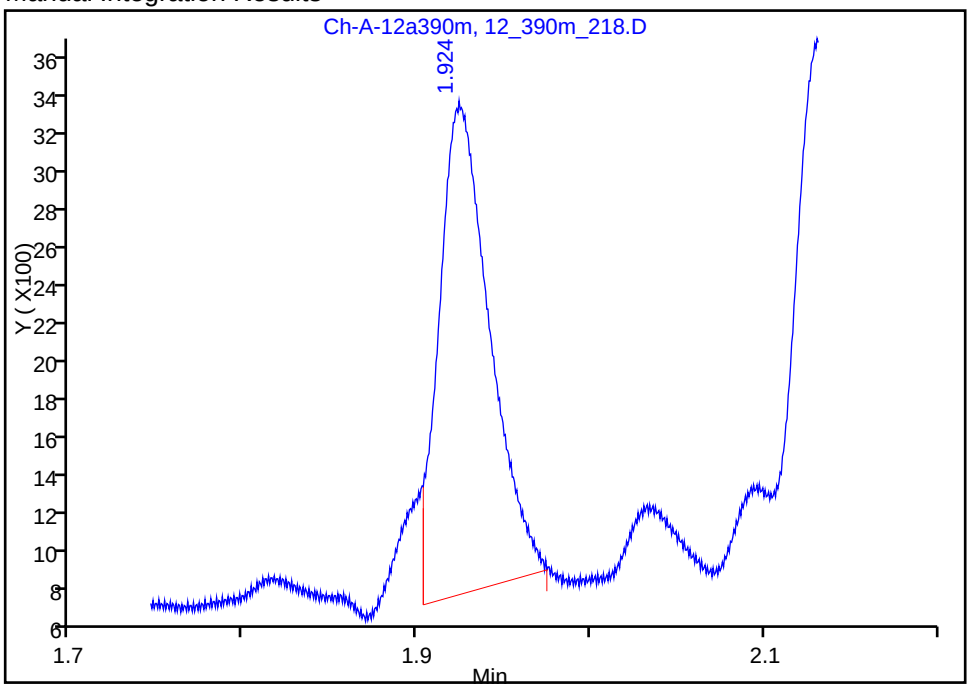
Processing Integration Results

RT: 1.92
Area: 5604
Amount: 0.002293
Amount Units: ng/uL



Manual Integration Results

RT: 1.92
Area: 5027
Amount: 0.002214
Amount Units: ng/uL



Reviewer: owenj, 12-May-2017 15:52:31
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Report Date: 15-May-2017 13:51:02 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_218.D

Injection Date: 11-May-2017 17:07:37 Instrument ID: HP5890-12

Lims ID: IC 3

Client ID:

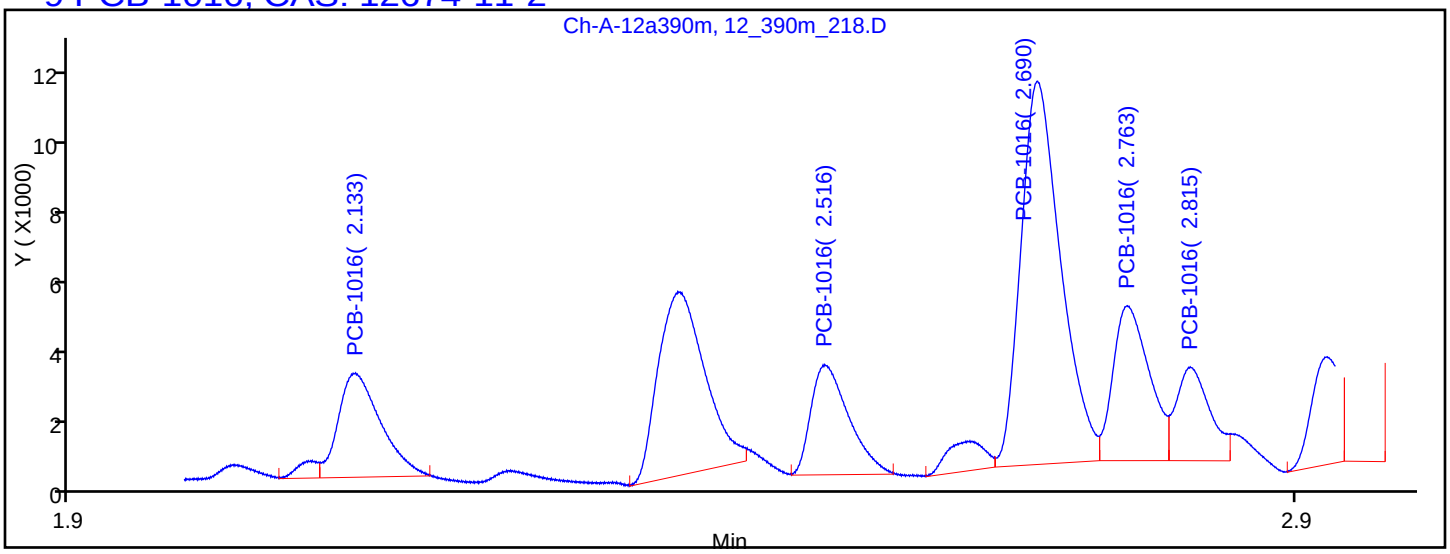
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 21

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

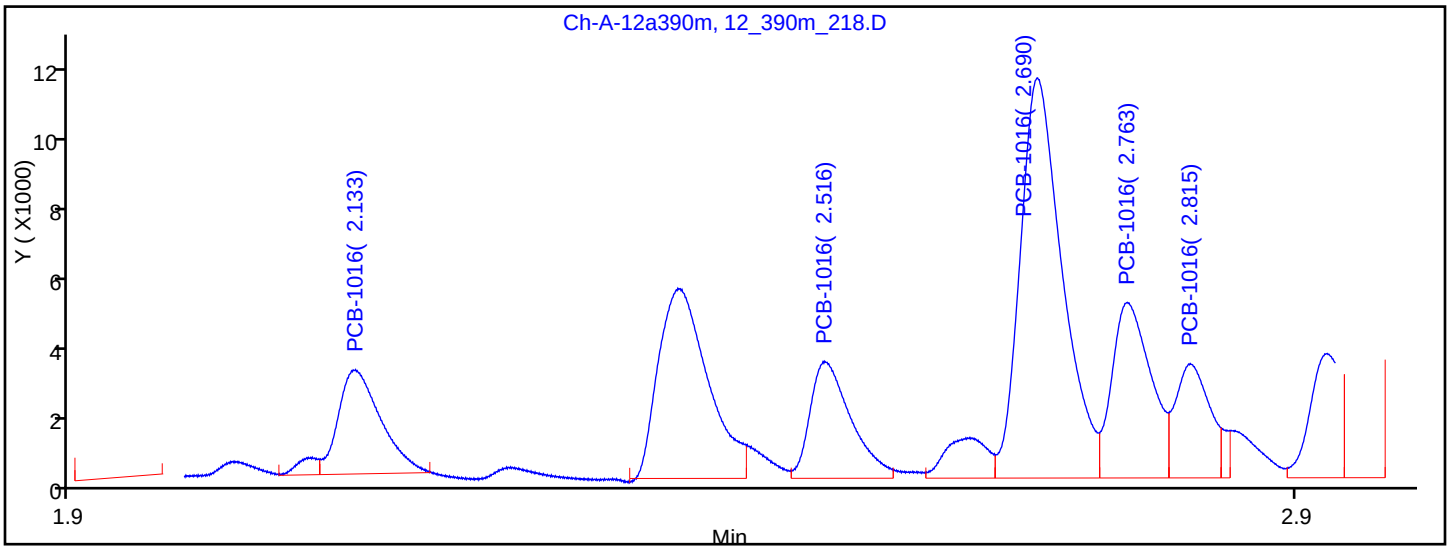
Column: Detector Ch-A-7A136

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.133	Response = 6478
2.516	Response = 6118
2.690	Response = 22538
2.763	Response = 8295
2.815	Response = 4638



Manual Integration Results

2.133	Response = 6478	
2.516	Response = 7014	M
2.690	Response = 24849	M
2.763	Response = 10105	M
2.815	Response = 5681	M

Reviewer: owenj, 12-May-2017 15:35:02

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 15-May-2017 13:51:02 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_218.D

Injection Date: 11-May-2017 17:07:37 Instrument ID: HP5890-12

Lims ID: IC 3

Client ID:

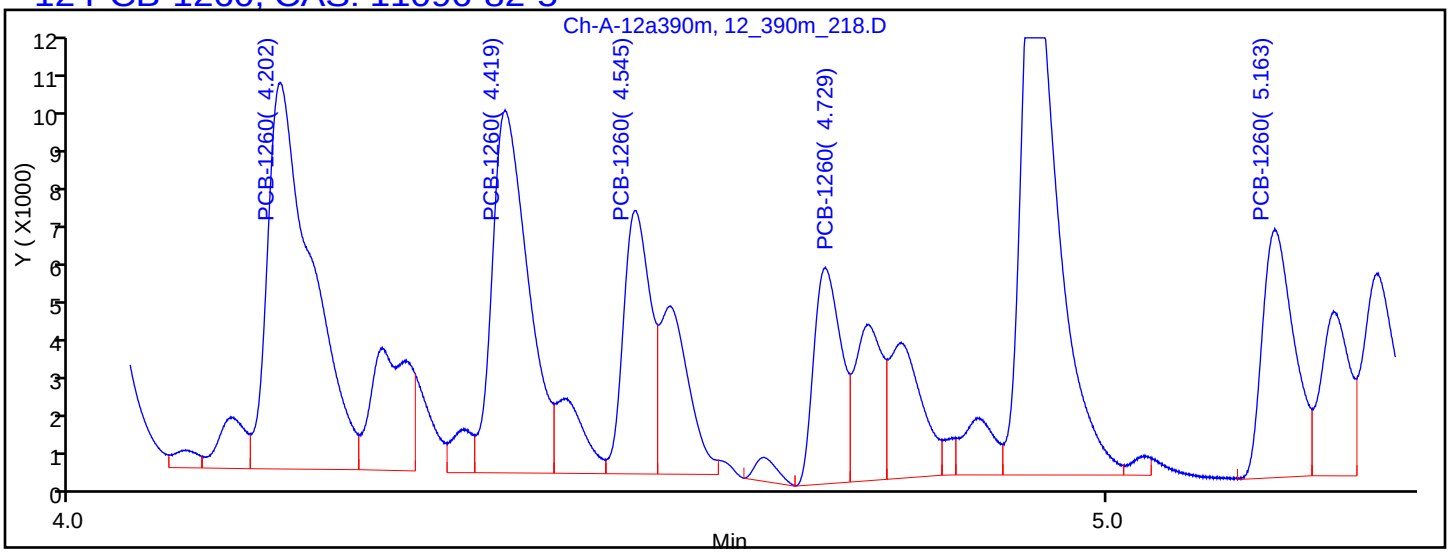
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 21

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

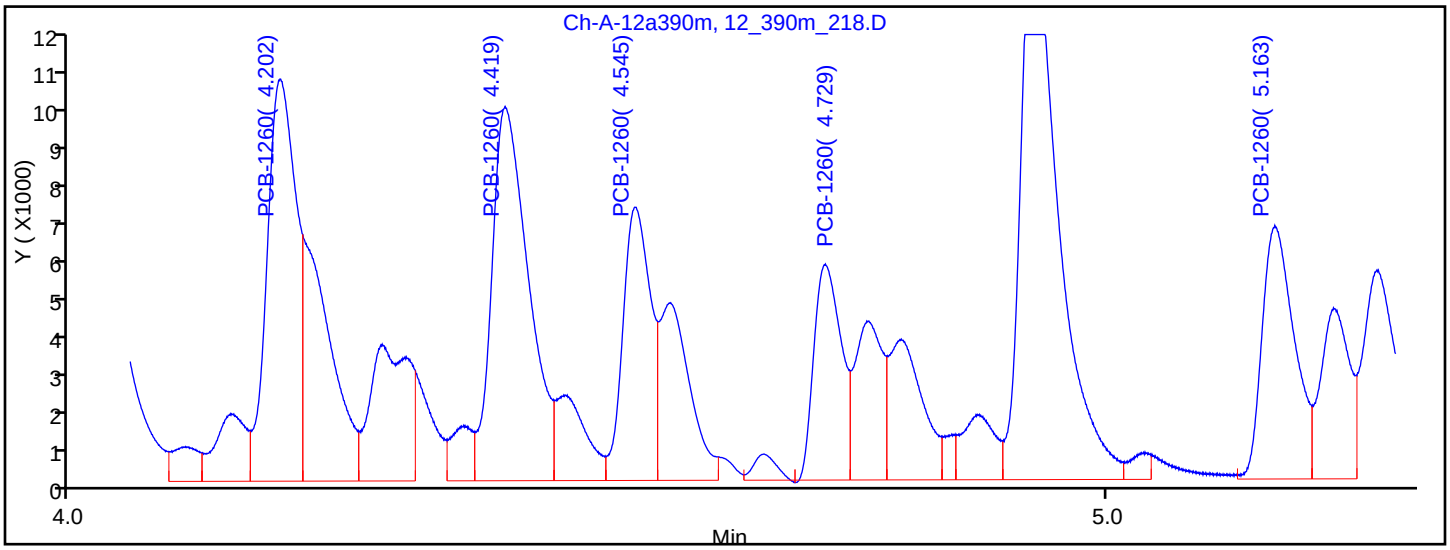
Column: Detector Ch-A-7A136

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

4.202	Response = 26055
4.419	Response = 19925
4.545	Response = 10831
4.729	Response = 9055
5.163	Response = 12027



Manual Integration Results

4.202	Response = 17798	M
4.419	Response = 21079	M
4.545	Response = 11503	M
4.729	Response = 9001	M
5.163	Response = 12480	M

Reviewer: owenj, 12-May-2017 15:35:04

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

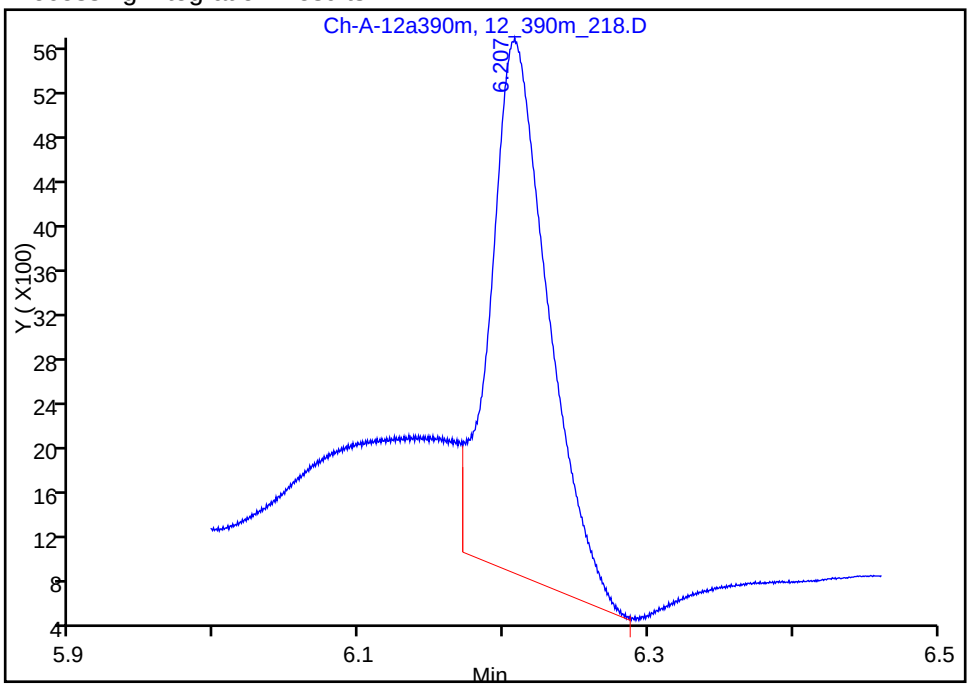
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Injection Date: 11-May-2017 17:07:37 Instrument ID: HP5890-12
Lims ID: IC 3
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

$ 15 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 1

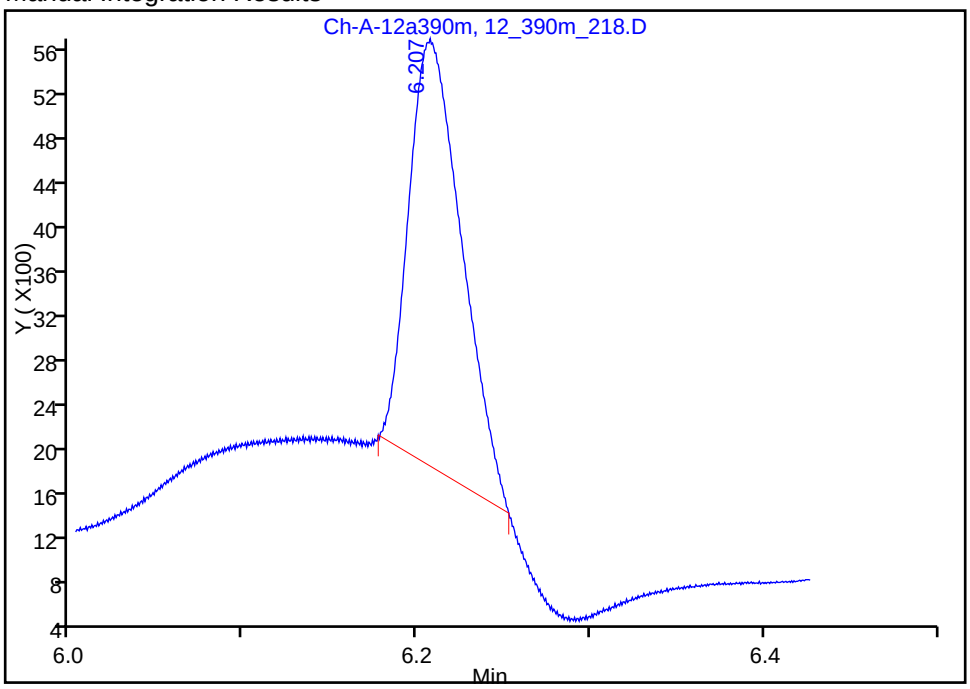
Processing Integration Results

RT: 6.21
Area: 13411
Amount: 0.003337
Amount Units: ng/uL



Manual Integration Results

RT: 6.21
Area: 8233
Amount: 0.002580
Amount Units: ng/uL



Reviewer: owenj, 12-May-2017 16:05:10
Audit Action: Manually Integrated Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_219.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 11-May-2017 17:22:58 ALS Bottle#: 0 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:51:05 Calib Date: 12-May-2017 17:50:21
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_240.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 12-May-2017 15:36:55

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.319	1.319	0.000	1244433	0.5000	0.5000	
2	1.617	1.617	0.000	1106372	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.917	1.917	0.000	2717	0.001250	0.001253	M
2	2.207	2.207	0.000	2787	0.001250	0.001484	M
						RPD = 16.89	
9 PCB-1016							M
1	2.127	2.123	0.004	3817	0.0500	0.0564	
1	2.508	2.505	0.003	3863	0.0500	0.0536	M
1	2.681	2.677	0.004	13140	0.0500	0.0535	M
1	2.755	2.751	0.004	5959	0.0500	0.0505	M
1	2.805	2.803	0.002	3582	0.0500	0.0544	M
		Average of Peak Amounts =				0.0537	
2	2.619	2.616	0.003	2939	0.0500	0.0492	M
2	2.941	2.936	0.005	5317	0.0500	0.0480	M
2	3.151	3.147	0.004	2551	0.0500	0.0463	M
2	3.251	3.246	0.005	9406	0.0500	0.0494	M
2	3.367	3.364	0.003	3531	0.0500	0.0476	M
		Average of Peak Amounts =				0.0481	
						RPD = 10.93	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.193	4.187	0.006	9740	0.0500	0.0481	M
1	4.409	4.405	0.004	10306	0.0500	0.0450	M
1	4.535	4.531	0.004	5394	0.0500	0.0495	M
1	4.720	4.714	0.006	4723	0.0500	0.0551	
1	5.153	5.149	0.004	6147	0.0500	0.0414	
		Average of Peak Amounts =				0.0478	
2	5.135	5.130	0.005	6524	0.0500	0.0520	M
2	5.454	5.450	0.004	5220	0.0500	0.0457	M
2	5.521	5.518	0.003	3975	0.0500	0.0475	M
2	5.587	5.583	0.004	13176	0.0500	0.0474	M
2	5.959	5.955	0.004	8176	0.0500	0.0477	
		Average of Peak Amounts =				0.0481	
						RPD = 0.45	
$ 15 DCB Decachlorobiphenyl							M
1	6.195	6.192	0.003	3975	0.001250	0.001217	M
2	7.249	7.245	0.004	3763	0.001250	0.001177	
						RPD = 3.33	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is.05_00005 Amount Added: 1.00 Units: mL

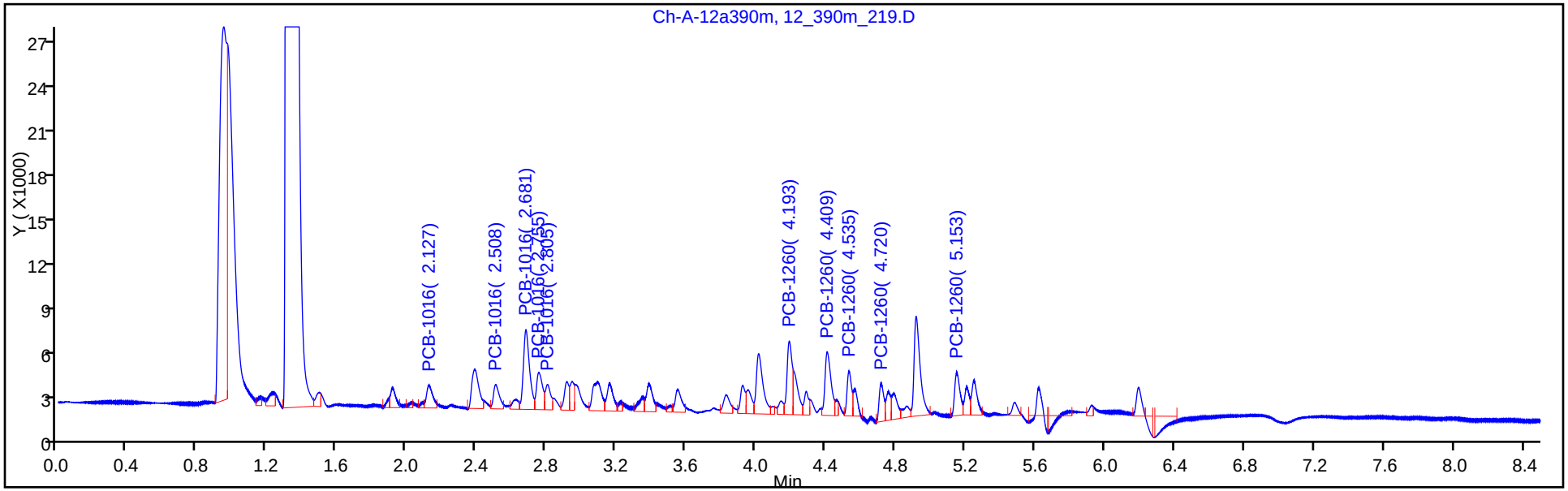
Report Date: 15-May-2017 13:51:05 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

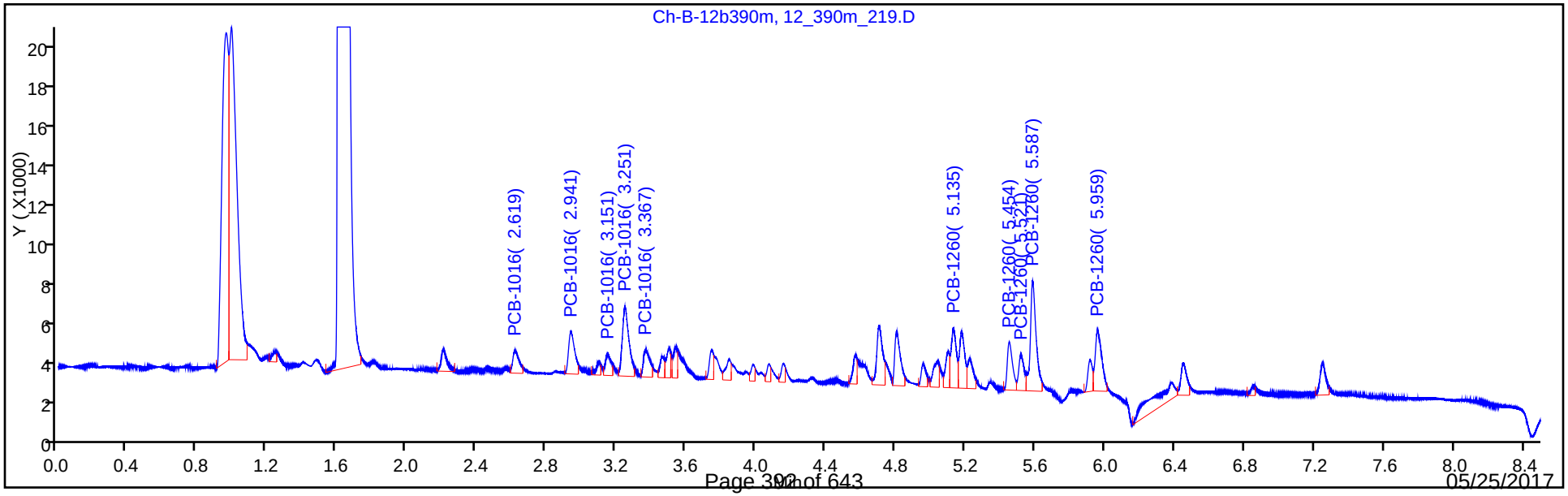
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_219.D

Injection Date:	11-May-2017 17:22:58	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	22
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

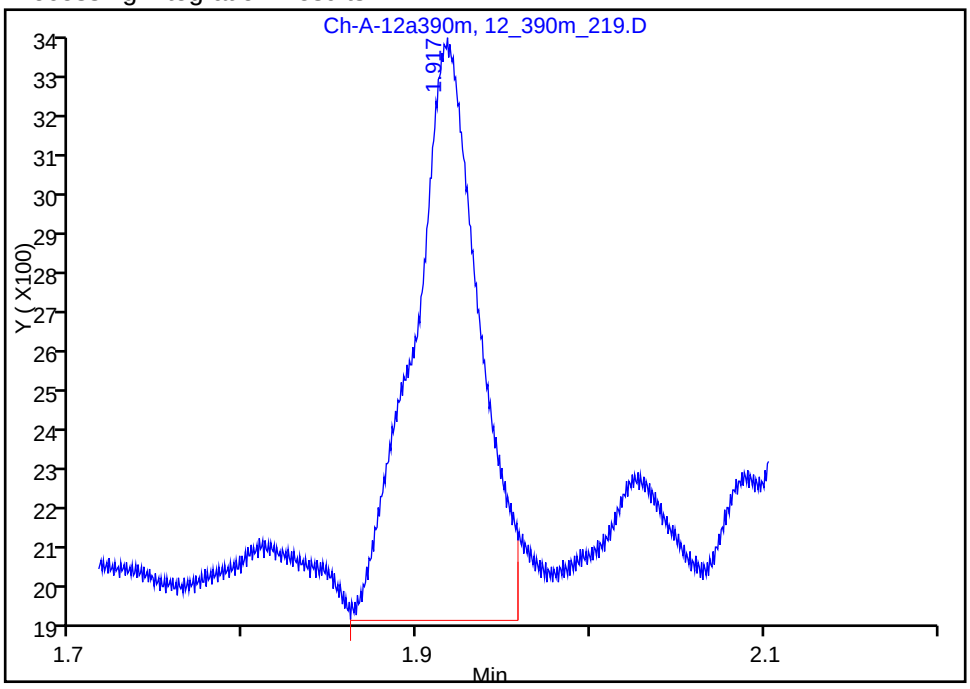
Data File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_219.D				
Injection Date:	11-May-2017 17:22:58	Instrument ID:	HP5890-12		
Lims ID:	IC 2				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 1

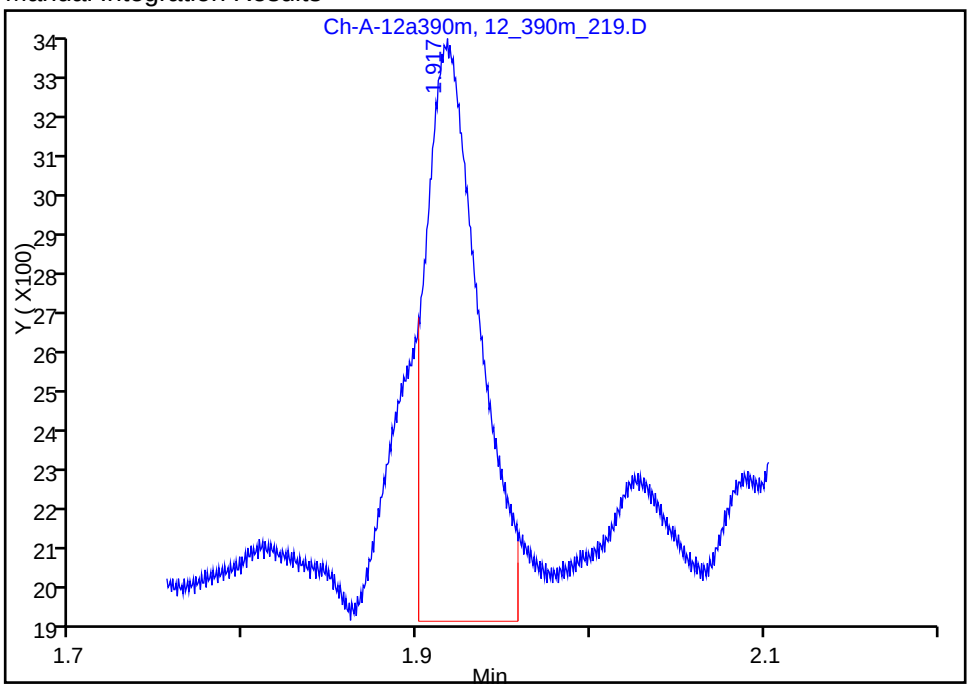
Processing Integration Results

RT: 1.92
Area: 3474
Amount: 0.001393
Amount Units: ng/uL



Manual Integration Results

RT: 1.92
Area: 2717
Amount: 0.001253
Amount Units: ng/uL



Reviewer: owenj, 12-May-2017 15:51:26
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Report Date: 15-May-2017 13:51:06 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_219.D

Injection Date: 11-May-2017 17:22:58 Instrument ID: HP5890-12

Lims ID: IC 2

Client ID:

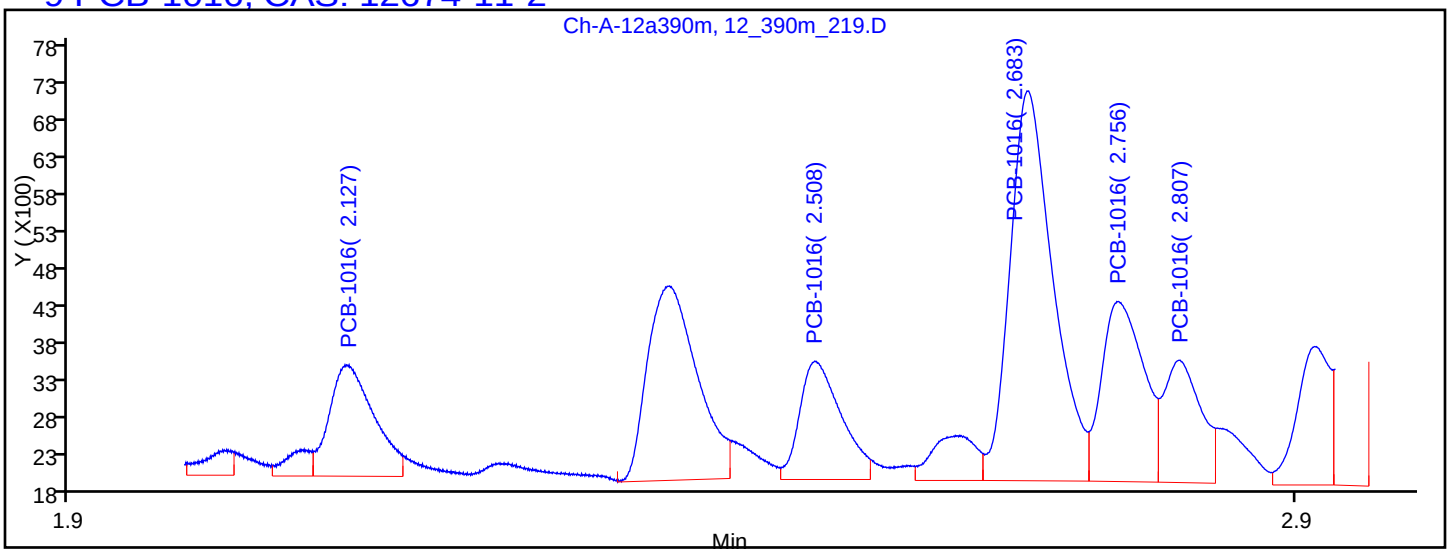
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 22

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

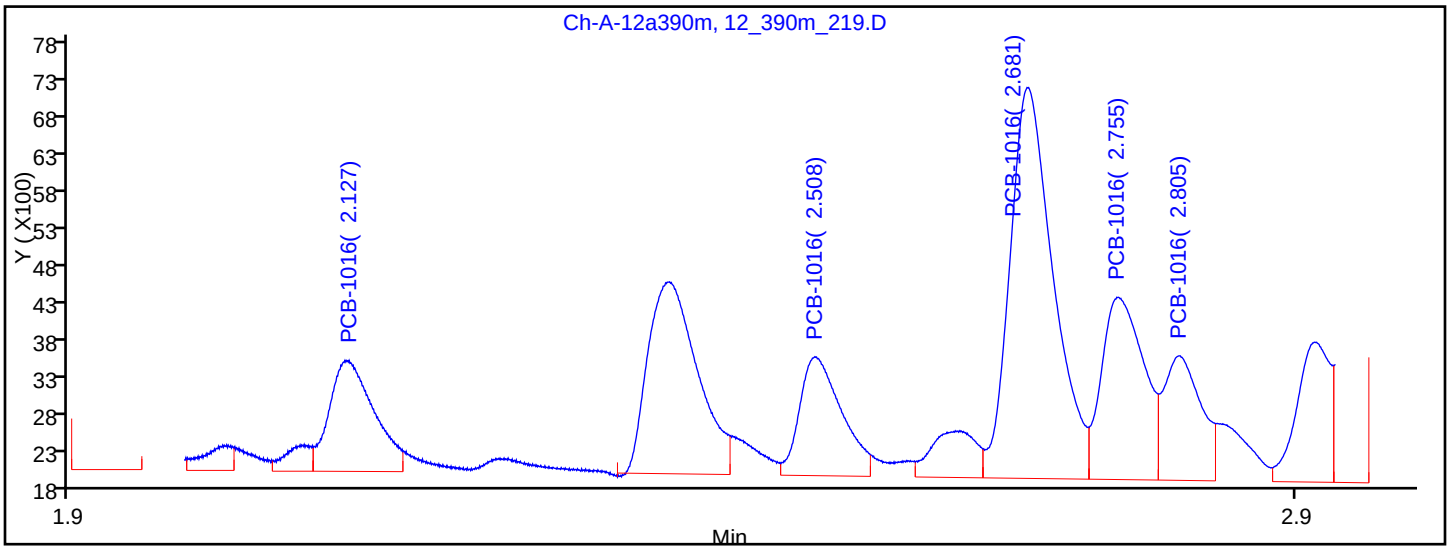
Column: Detector Ch-A-7A136

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.127	Response = 3817
2.508	Response = 3797
2.683	Response = 12961
2.756	Response = 5830
2.807	Response = 3484



Manual Integration Results

2.127	Response = 3817	
2.508	Response = 3863	M
2.681	Response = 13140	M
2.755	Response = 5959	M
2.805	Response = 3582	M

Reviewer: owenj, 12-May-2017 15:36:01

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

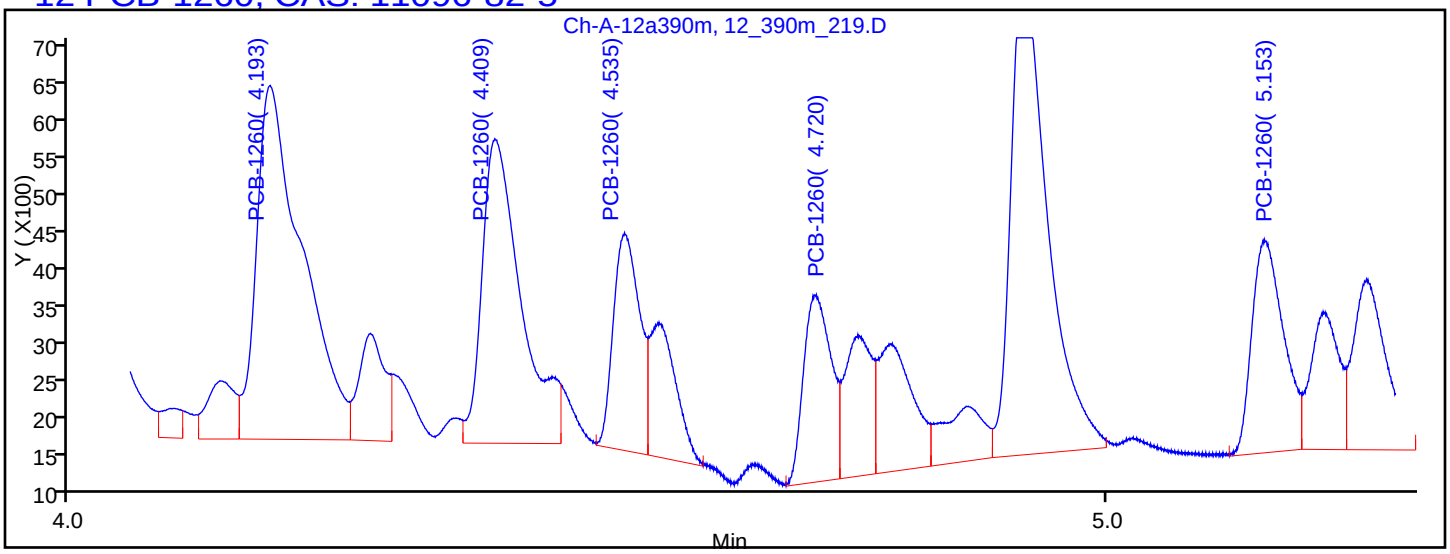
Report Date: 15-May-2017 13:51:06 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_219.D

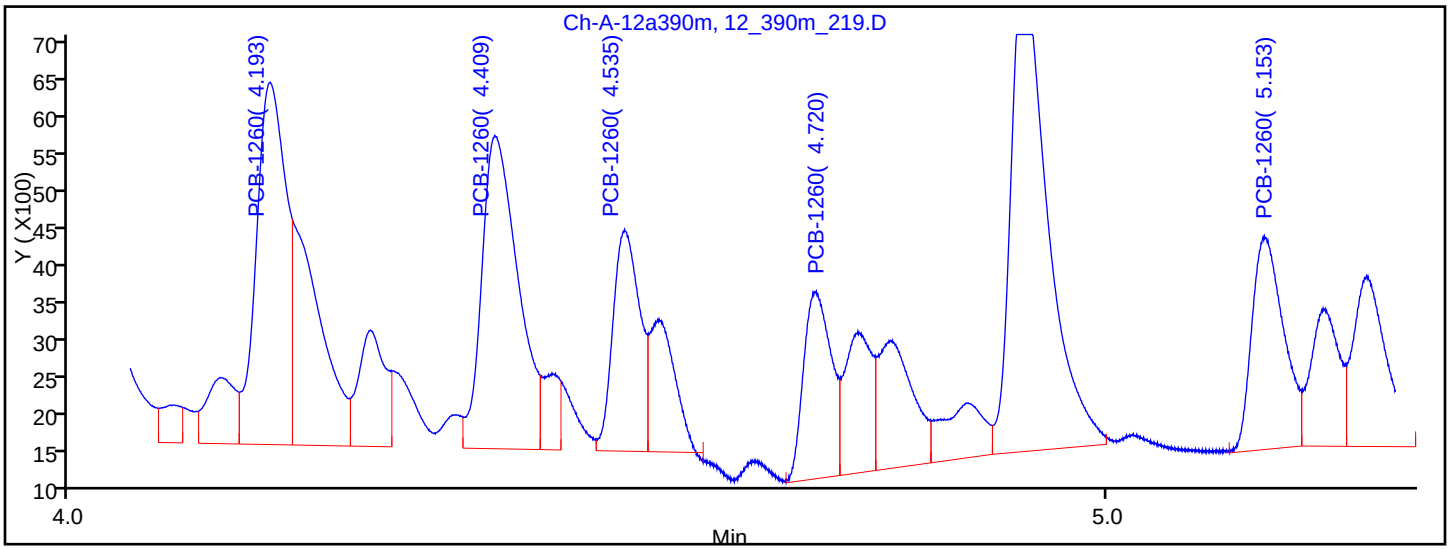
Injection Date:	11-May-2017 17:22:58	Instrument ID:	HP5890-12		
Lims ID:	IC 2				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

4.193	Response = 14758
4.409	Response = 10806
4.535	Response = 5215
4.720	Response = 4723
5.153	Response = 6147



Manual Integration Results

4.193	Response = 9740	M
4.409	Response = 10306	M
4.535	Response = 5394	M
4.720	Response = 4723	
5.153	Response = 6147	

Reviewer: owenj, 12-May-2017 15:36:04

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

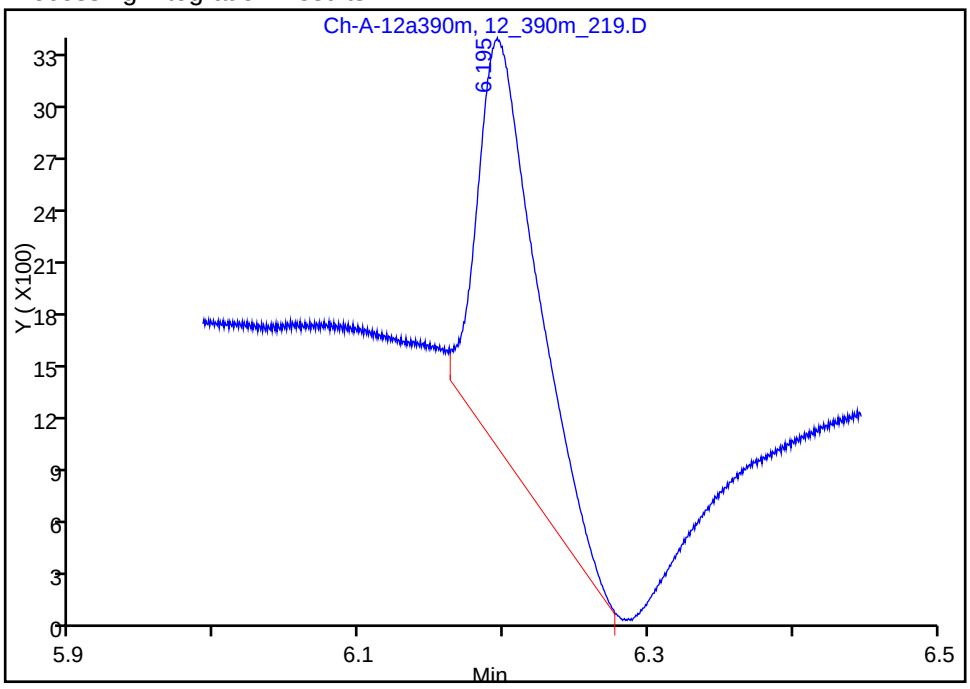
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_219.D
Injection Date: 11-May-2017 17:22:58 Instrument ID: HP5890-12
Lims ID: IC 2
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

$ 15 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 1

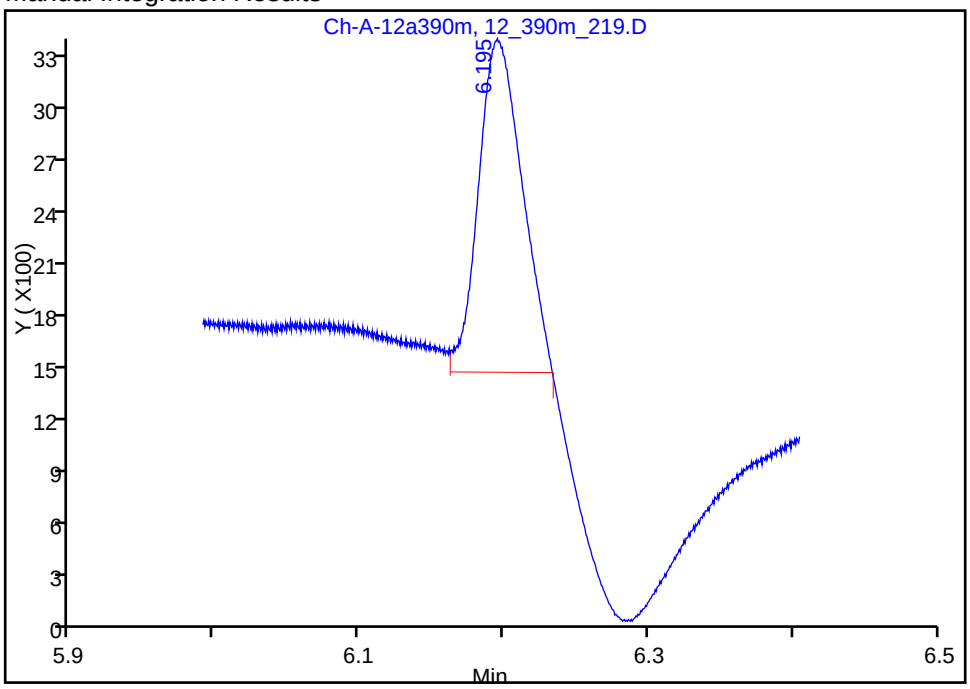
Processing Integration Results

RT: 6.20
Area: 6797
Amount: 0.001238
Amount Units: ng/uL



Manual Integration Results

RT: 6.20
Area: 3975
Amount: 0.001217
Amount Units: ng/uL



Reviewer: owenj, 12-May-2017 16:00:19
Audit Action: Split an Integrated Peak Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_220.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 11-May-2017 18:19:55 ALS Bottle#: 0 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:51:08 Calib Date: 12-May-2017 17:50:21
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_240.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 11-May-2017 19:09:57

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.321	1.321	0.000	1258044	0.5000	0.5000	
2	1.618	1.618	0.000	1118954	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.924	1.924	0.000	962	0.000500	0.000555	M
2	2.210	2.210	0.000	926	0.000500	0.000544	M
						RPD = 2.01	
9 PCB-1016							M
1	2.133	2.133	0.000	1232	0.0200	0.0180	M
1	2.515	2.515	0.000	1234	0.0200	0.0169	M
1	2.691	2.691	0.000	4764	0.0200	0.0192	M
1	2.767	2.767	0.000	2976	0.0200	0.0183	M
1	2.817	2.817	0.000	1510	0.0200	0.0186	M
		Average of Peak Amounts =				0.0182	
2	2.621	2.621	0.000	1614	0.0200	0.0188	M
2	2.943	2.943	0.000	2462	0.0200	0.0165	M
2	3.155	3.155	0.000	1211	0.0200	0.0228	M
2	3.254	3.254	0.000	4242	0.0200	0.0200	M
2	3.371	3.371	0.000	1657	0.0200	0.0221	M
		Average of Peak Amounts =				0.0200	
						RPD = 9.65	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.204	4.204	0.000	5364	0.0200	0.0156	M
1	4.420	4.420	0.000	5599	0.0200	0.0198	M
1	4.547	4.547	0.000	1941	0.0200	0.0176	M
1	4.730	4.730	0.000	1257	0.0200	0.0169	M
1	5.163	5.163	0.000	4207	0.0200	0.0251	M
		Average of Peak Amounts =				0.0190	
2	5.139	5.139	0.000	2420	0.0200	0.0161	M
2	5.459	5.459	0.000	2743	0.0200	0.0193	M
2	5.528	5.528	0.000	1920	0.0200	0.0184	M
2	5.595	5.595	0.000	5759	0.0200	0.0181	M
2	5.967	5.967	0.000	3556	0.0200	0.0200	M
		Average of Peak Amounts =				0.0184	
						RPD = 3.25	
$ 15 DCB Decachlorobiphenyl							M
1	6.208	6.208	0.000	1677	0.000500	0.000508	M
2	7.261	7.261	0.000	1769	0.000500	0.000496	M
						RPD = 2.33	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is.02_00005 Amount Added: 1.00 Units: mL

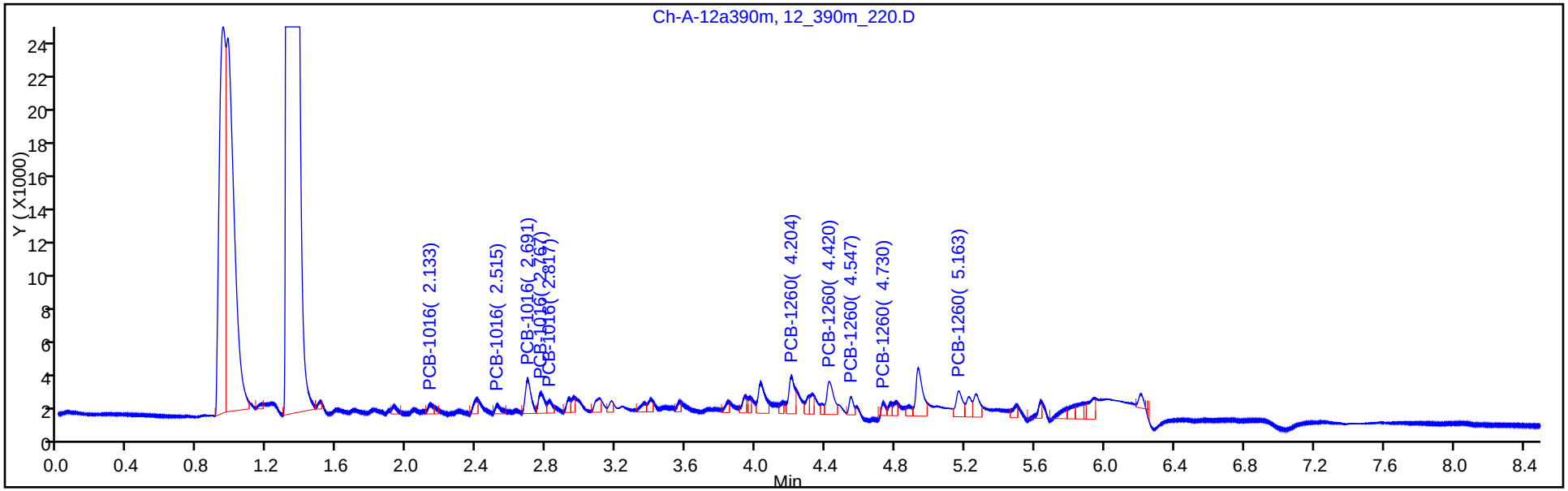
Report Date: 15-May-2017 13:51:09 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

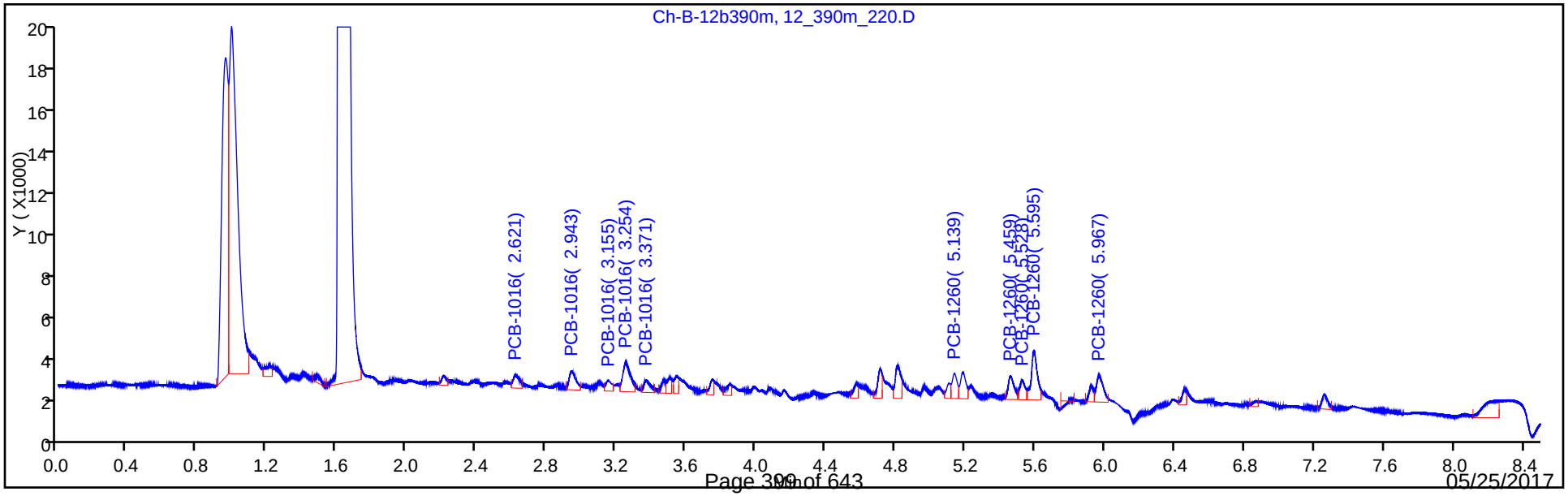
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_220.D

Injection Date:	11-May-2017 18:19:55	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 1			Worklist Smp#:	23
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

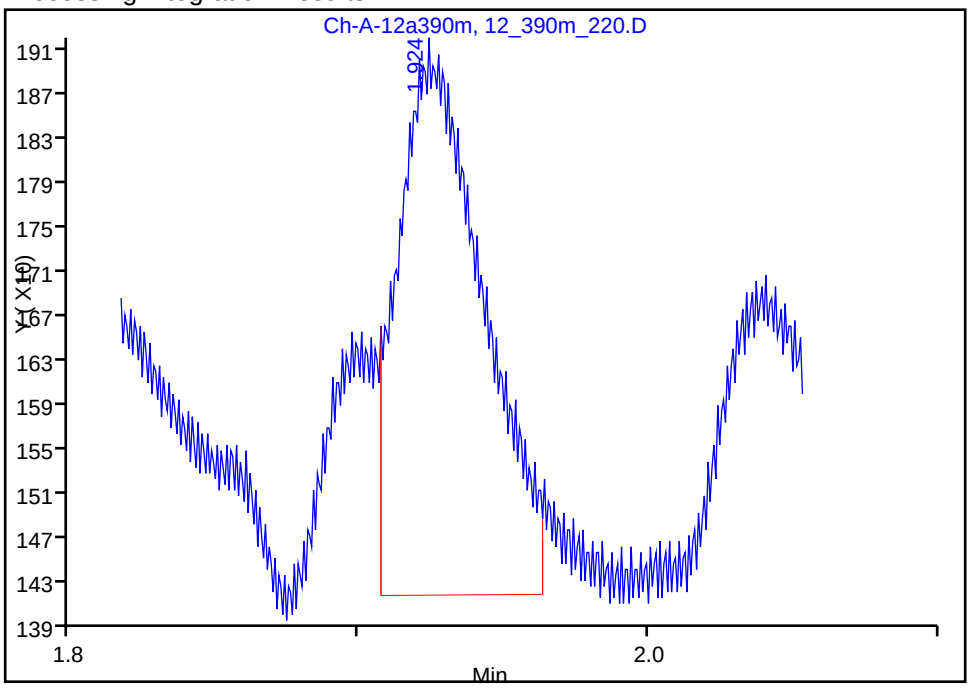
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_220.D
Injection Date: 11-May-2017 18:19:55 Instrument ID: HP5890-12
Lims ID: IC 1
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 1

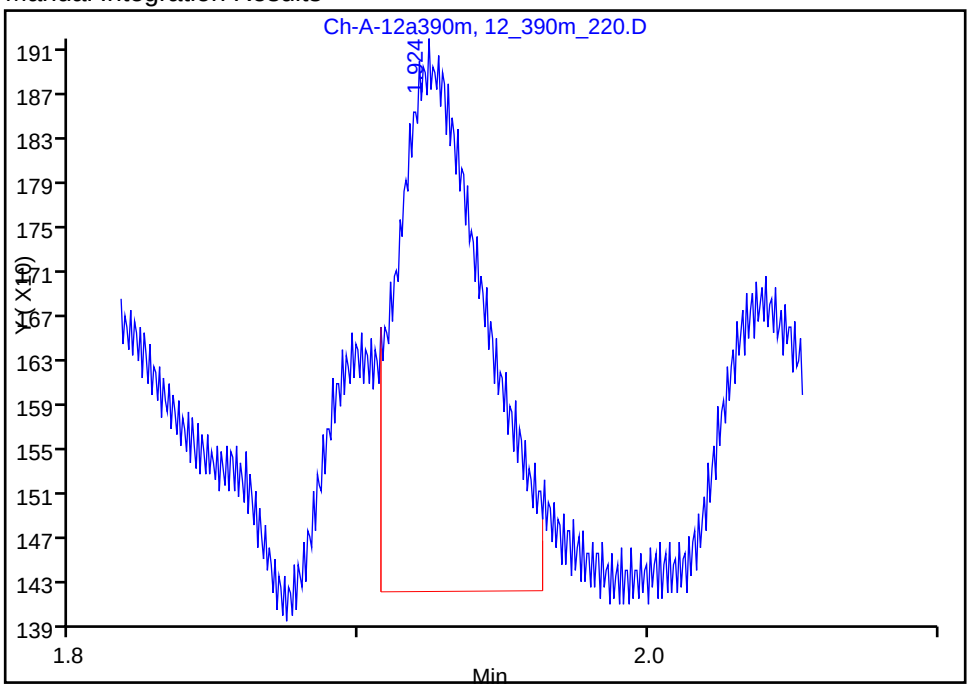
Processing Integration Results

RT: 1.92
Area: 975
Amount: 0.000460
Amount Units: ng/uL



Manual Integration Results

RT: 1.92
Area: 962
Amount: 0.000555
Amount Units: ng/uL



Reviewer: owenj, 12-May-2017 15:48:33
Audit Action: Assigned New Baseline Audit Reason: Split Peak

Report Date: 15-May-2017 13:51:09 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_220.D

Injection Date: 11-May-2017 18:19:55 Instrument ID: HP5890-12

Lims ID: IC 1

Client ID:

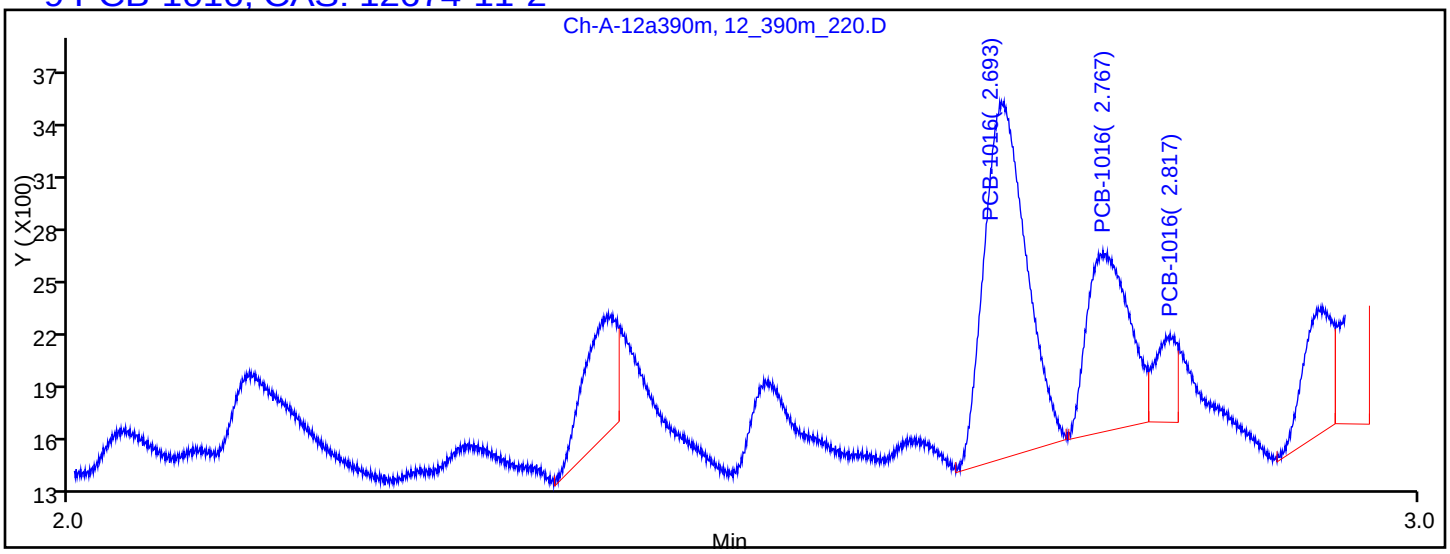
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 23

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

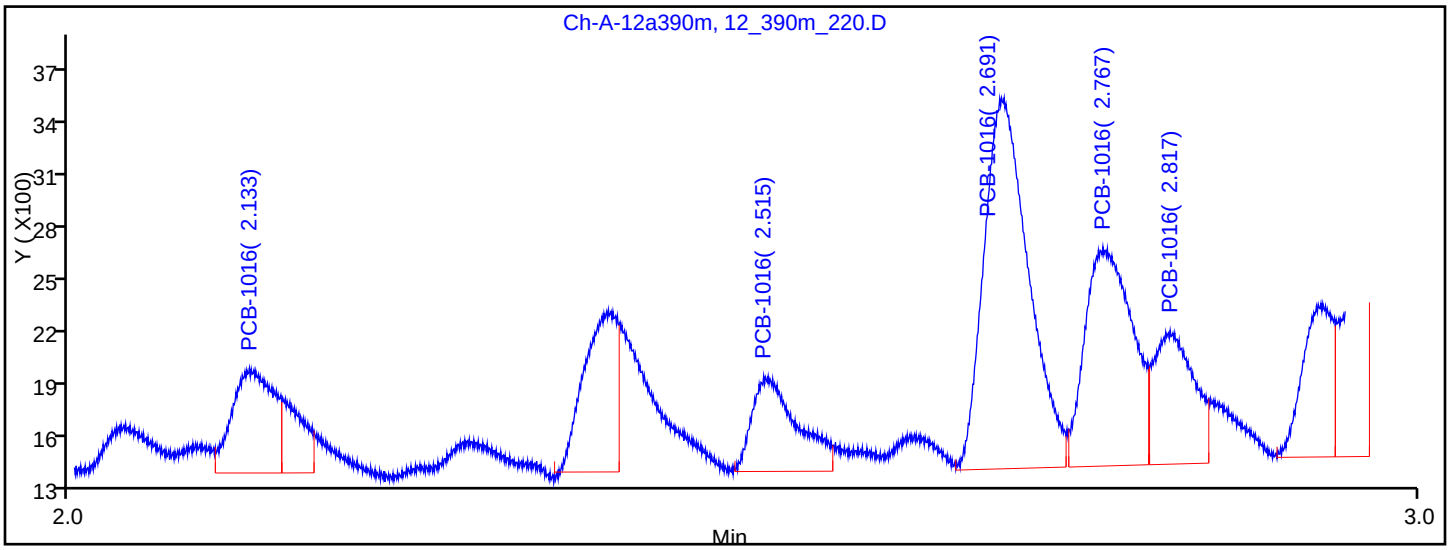
Column: Detector Ch-A-7A136

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.133	Response = 0
2.515	Response = 0
2.693	Response = 4331
2.767	Response = 2212
2.817	Response = 536



Manual Integration Results

2.133	Response = 1232	M
2.515	Response = 1234	M
2.691	Response = 4764	M
2.767	Response = 2976	M
2.817	Response = 1510	M

Reviewer: owenj, 12-May-2017 15:44:11

Audit Action: Assigned New Baseline Audit Reason: Split Peak

Report Date: 15-May-2017 13:51:09 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_220.D

Injection Date: 11-May-2017 18:19:55 Instrument ID: HP5890-12

Lims ID: IC 1

Client ID:

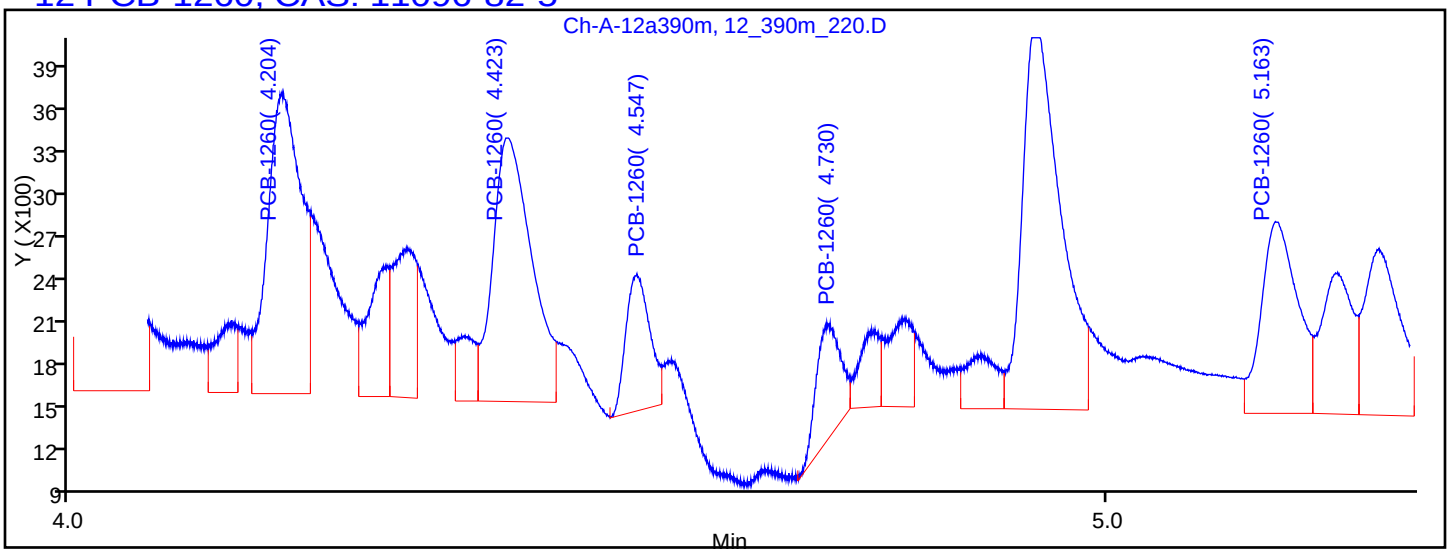
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 23

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

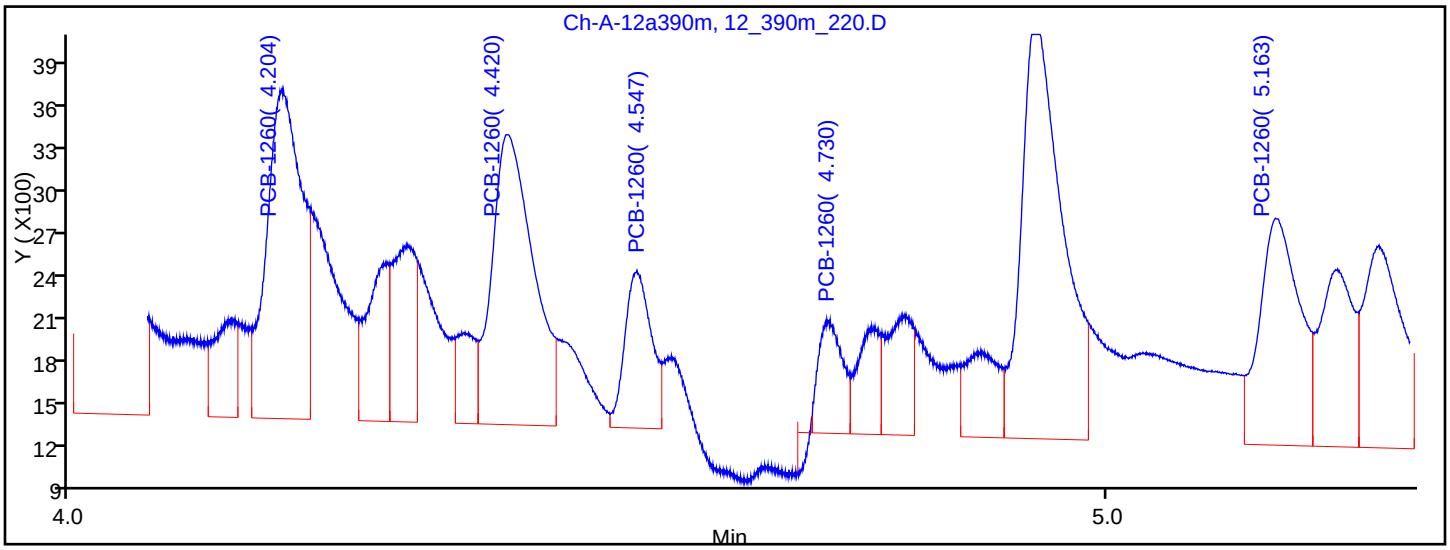
Column: Detector Ch-A-7A136

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

4.204	Response = 4701
4.423	Response = 4772
4.547	Response = 1524
4.730	Response = 1304
5.163	Response = 3247



Manual Integration Results

4.204	Response = 5364	M
4.420	Response = 5599	M
4.547	Response = 1941	M
4.730	Response = 1257	M
5.163	Response = 4207	M

Reviewer: owenj, 12-May-2017 15:56:39

Audit Action: Assigned New Baseline Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

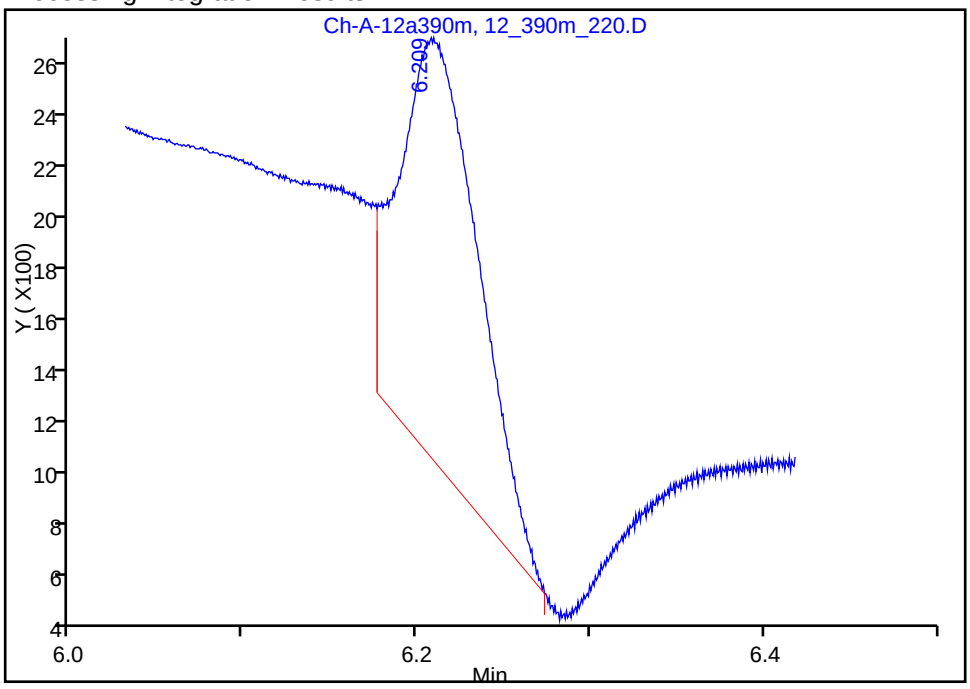
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_220.D
Injection Date: 11-May-2017 18:19:55 Instrument ID: HP5890-12
Lims ID: IC 1
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

$ 15 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 1

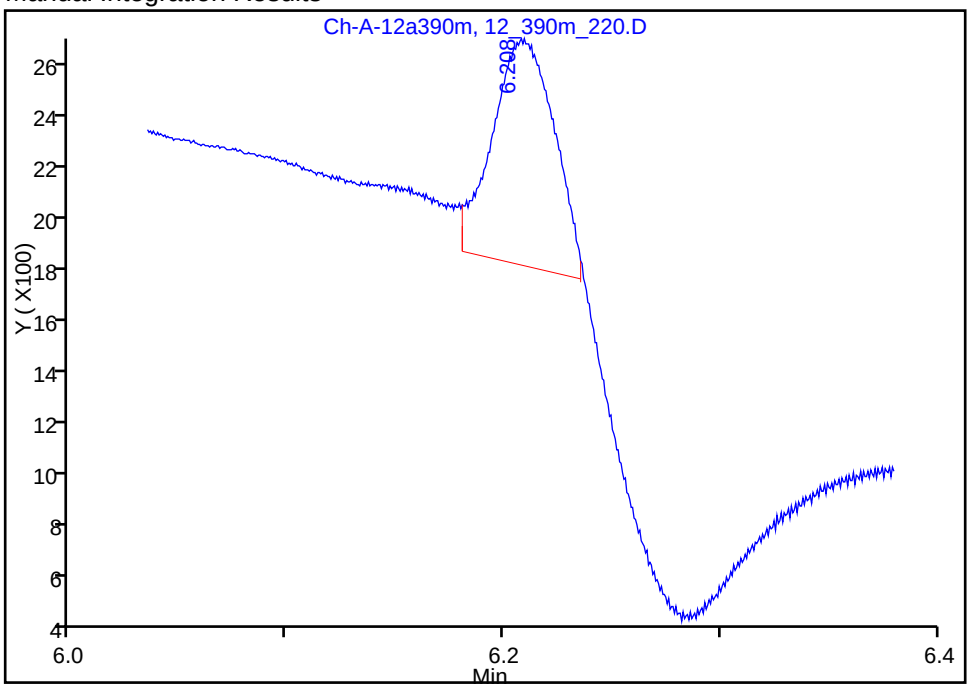
Processing Integration Results

RT: 6.21
Area: 5080
Amount: 0.000483
Amount Units: ng/uL



Manual Integration Results

RT: 6.21
Area: 1677
Amount: 0.000508
Amount Units: ng/uL



Reviewer: owenj, 12-May-2017 16:00:51
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1 Analy Batch No.: 356902

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/11/2017 15:46 Calibration End Date: 05/11/2017 18:19 Calibration ID: 30528

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-356902/23	12_390m_220.D
Level 2	IC 480-356902/22	12_390m_219.D
Level 3	IC 480-356902/21	12_390m_218.D
Level 4	IC 480-356902/20	12_390m_217.D
Level 5	ICIS 480-356902/19	12_390m_216.D
Level 6	IC 480-356902/18	12_390m_215.D
Level 7	IC 480-356902/17	12_390m_214.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 4	LVL 5		B	M1	M2								
PCB-1016 Peak 1	0.0361 0.0203	0.0266 0.0197	0.0227	0.0230	0.0221	Lin1	0.0003	0.0199							0.9990		0.9900
PCB-1016 Peak 2	0.0550 0.0422	0.0481 0.0402	0.0479	0.0481	0.0449	Lin1	0.0004	0.0413							0.9980		0.9900
PCB-1016 Peak 3	0.0271 0.0259	0.0231 0.0258	0.0206	0.0281	0.0272	Lin1	0	0.0261							0.9980		0.9900
PCB-1016 Peak 4	0.0948 0.0807	0.0850 0.0797	0.0809	0.0838	0.0819	Lin1	0.0003	0.0801							1.0000		0.9900
PCB-1016 Peak 5	0.0370 0.0332	0.0319 0.0328	0.0301	0.0353	0.0341	Ave		0.0335				6.7		20.0			
PCB-1260 Peak 1	0.0541 0.0528	0.0590 0.0511	0.0567	0.0590	0.0529	Lin1	0.0002	0.0520							0.9990		0.9900
PCB-1260 Peak 2	0.0613 0.0434	0.0472 0.0427	0.0474	0.0503	0.0437	Lin1	0.0004	0.0430							0.9990		0.9900
PCB-1260 Peak 3	0.0429 0.0325	0.0359 0.0320	0.0369	0.0356	0.0334	Lin1	0.0003	0.0323							0.9990		0.9900
PCB-1260 Peak 4	0.1287 0.1167	0.1191 0.1140	0.1324	0.1222	0.1168	Lin1	0.0005	0.1152							0.9990		0.9900
PCB-1260 Peak 5	0.0794 0.0764	0.0739 0.0759	0.0785	0.0782	0.0764	Lin1	0.0001	0.0761							1.0000		0.9900
Tetrachloro-m-xylene	0.8276 0.8817	1.0076 0.9296	0.7820	0.7573	0.8442	Lin1	0	0.8994							0.9970		0.9900
DCB Decachlorobiphenyl	1.5809 1.3523	1.3605 1.3237	1.4110	1.4044	1.3751	Lin1	0.0001	1.3368							1.0000		0.9900

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1 Analy Batch No.: 356902

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/11/2017 15:46 Calibration End Date: 05/11/2017 18:19 Calibration ID: 30528

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-356902/23	12_390m_220.D
Level 2	IC 480-356902/22	12_390m_219.D
Level 3	IC 480-356902/21	12_390m_218.D
Level 4	IC 480-356902/20	12_390m_217.D
Level 5	ICIS 480-356902/19	12_390m_216.D
Level 6	IC 480-356902/18	12_390m_215.D
Level 7	IC 480-356902/17	12_390m_214.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	BNB	Lin1	1614 44352	2939 83522	4852	10411	24469	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 2	BNB	Lin1	2462 92451	5317 170236	10245	21779	49784	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 3	BNB	Lin1	1211 56659	2551 109428	4397	12711	30139	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 4	BNB	Lin1	4242 176641	9406 338084	17306	37971	90874	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 5	BNB	Ave	1657 72644	3531 139181	6439	15981	37865	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 1	BNB	Lin1	2420 115663	6524 216459	12126	26704	58672	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 2	BNB	Lin1	2743 95144	5220 181227	10136	22758	48489	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 3	BNB	Lin1	1920 71243	3975 135872	7891	16127	37018	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 4	BNB	Lin1	5759 255646	13176 483176	28326	55320	129530	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 5	BNB	Lin1	3556 167370	8176 321662	16798	35418	84773	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
Tetrachloro-m-xylene	BNB	Lin1	926 48270	2787 98537	4181	8574	23415	0.000500 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125
DCB Decachlorobiphenyl	BNB	Lin1	1769 74030	3763 140307	7544	15899	38140	0.000500 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_214.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 11-May-2017 15:46:31 ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:50:46 Calib Date: 12-May-2017 17:50:21
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_240.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 15-May-2017 13:50:39

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.318	1.335	-0.017	1194213	0.5000	0.5000	
2	1.616	1.603	0.013	1059943	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.916	1.892	0.024	119949	0.0500	0.0496	M
2	2.205	2.202	0.003	98537	0.0500	0.0518	
						RPD = 4.26	
9 PCB-1016							M
1	2.120	2.123	-0.003	113721	2.00	1.75	M
1	2.503	2.521	-0.018	130483	2.00	1.89	M
1	2.676	2.681	-0.005	430879	2.00	1.83	M
1	2.749	2.758	-0.009	175066	2.00	1.94	M
1	2.802	2.803	-0.001	109435	2.00	1.95	M
		Average of Peak Amounts =				1.87	
2	2.613	2.627	-0.014	83522	2.00	1.96	
2	2.933	2.938	-0.005	170236	2.00	1.93	M
2	3.146	3.146	0.000	109428	2.00	1.98	M
2	3.245	3.249	-0.004	338084	2.00	1.99	M
2	3.363	3.364	-0.001	139181	2.00	1.96	M
		Average of Peak Amounts =				1.96	
						RPD = 4.91	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.186	4.185	0.001	260007	2.00	1.96	M
1	4.404	4.402	0.002	357275	2.00	1.96	M
1	4.530	4.563	-0.033	196587	2.00	1.88	M
1	4.713	4.711	0.002	171815	2.00	1.97	M
1	5.149	5.146	0.003	234875	2.00	2.01	M
		Average of Peak Amounts =				1.96	
2	5.129	5.128	0.001	216459	2.00	1.96	M
2	5.449	5.448	0.001	181227	2.00	1.98	M
2	5.517	5.515	0.002	135872	2.00	1.98	M
2	5.583	5.581	0.002	483176	2.00	1.97	M
2	5.956	5.954	0.002	321662	2.00	1.99	M
		Average of Peak Amounts =				1.98	
						RPD = 1.00	
$ 15 DCB Decachlorobiphenyl							
1	6.193	6.187	0.006	157874	0.0500	0.0504	
2	7.247	7.248	-0.001	140307	0.0500	0.0494	
						RPD = 1.89	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is2.0_00005 Amount Added: 1.00 Units: mL

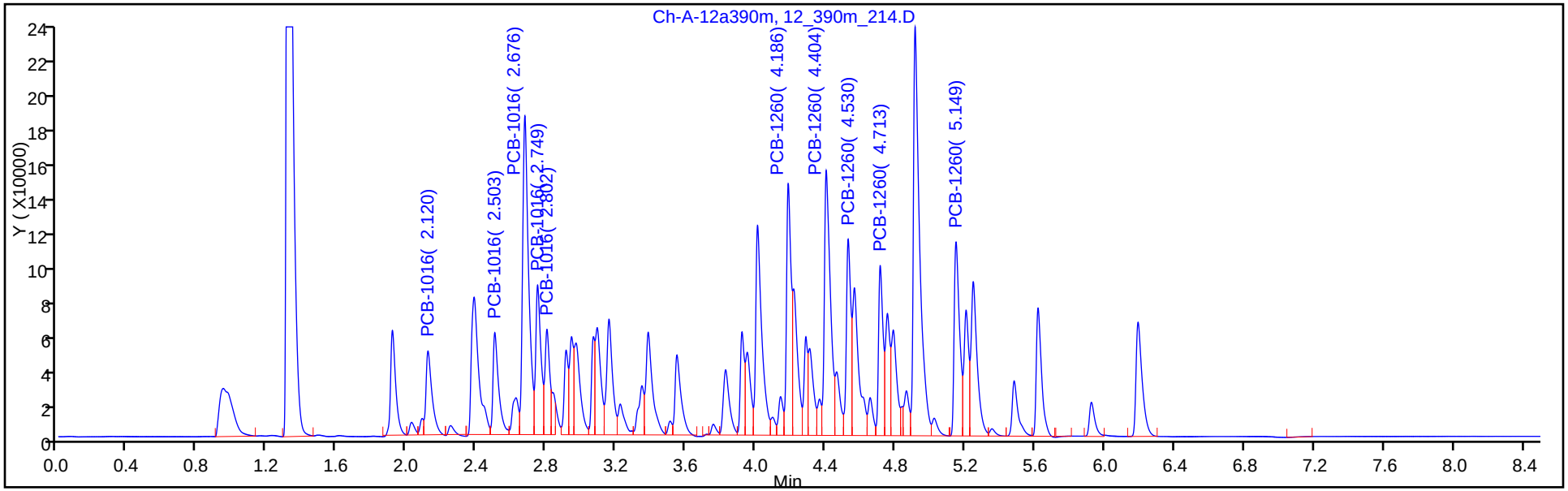
Report Date: 15-May-2017 13:50:47 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

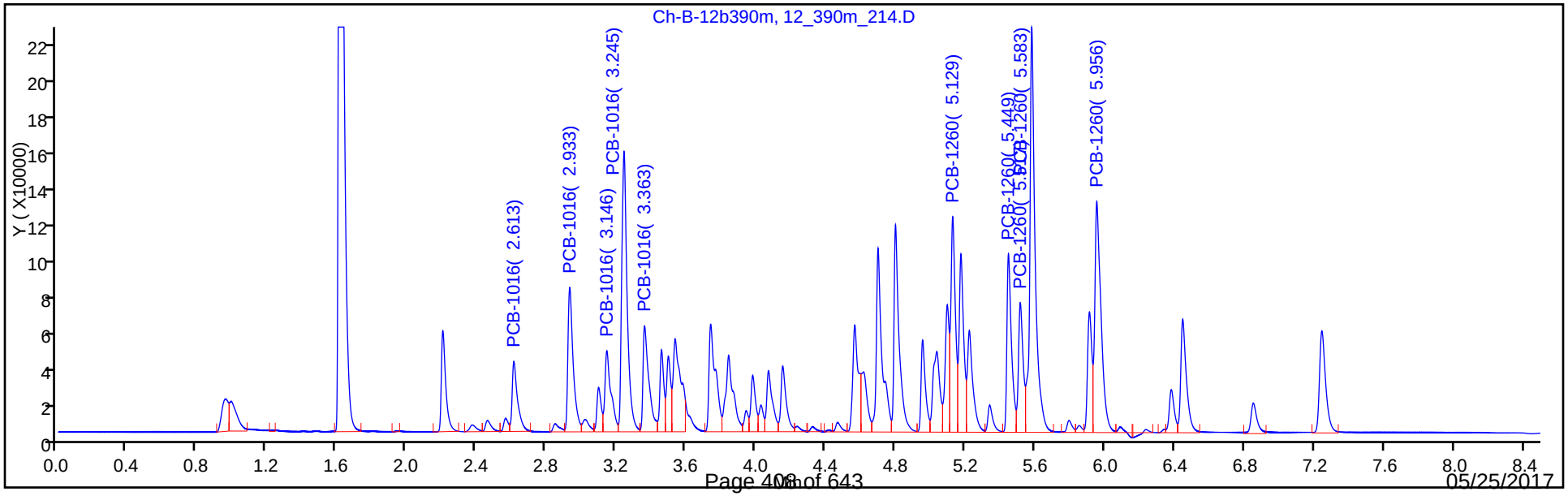
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Injection Date:	11-May-2017 15:46:31	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 7			Worklist Smp#:	17
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Report Date: 15-May-2017 13:50:47 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_214.D

Injection Date: 11-May-2017 15:46:31 Instrument ID: HP5890-12

Lims ID: IC 7

Client ID:

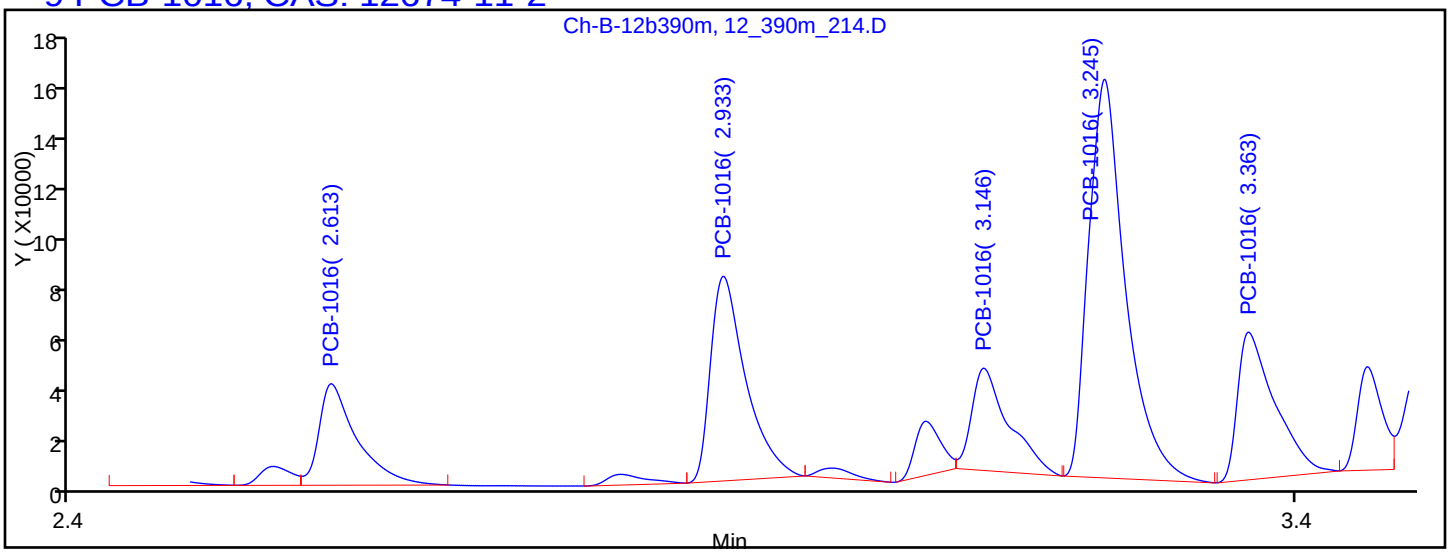
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 17

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

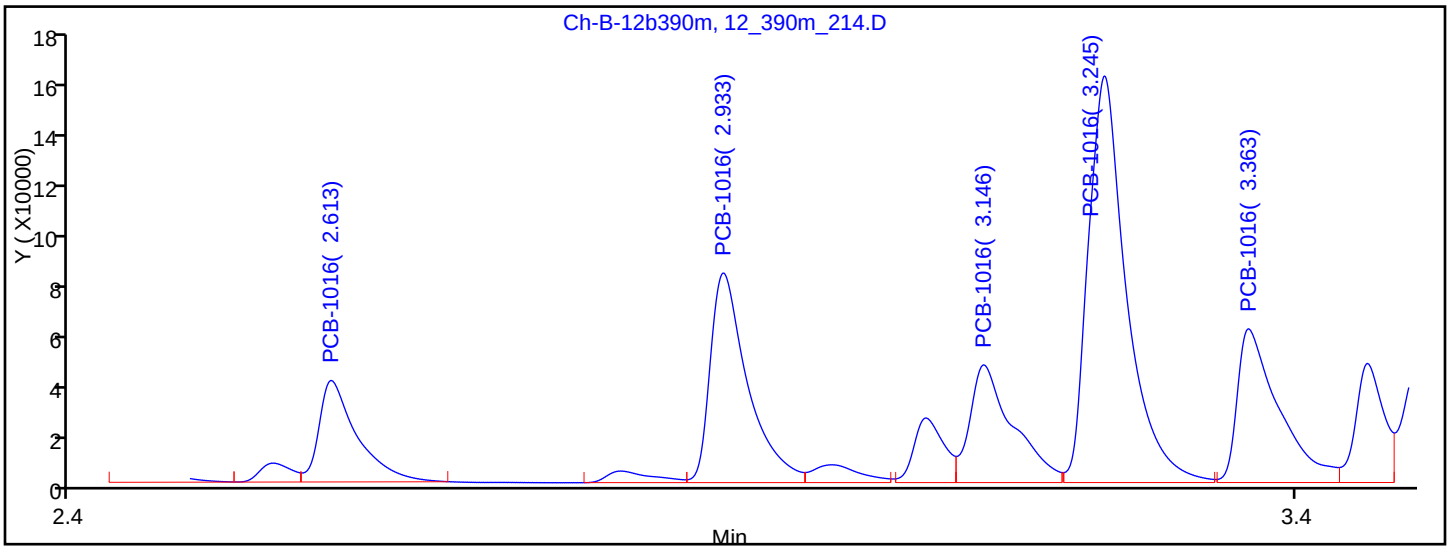
Column: Detector Ch-B-7b136

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.613	Response = 83522
2.933	Response = 156237
3.146	Response = 82525
3.245	Response = 320180
3.363	Response = 118889



Manual Integration Results

2.613	Response = 83522	
2.933	Response = 170236	M
3.146	Response = 109428	M
3.245	Response = 338084	M
3.363	Response = 139181	M

Reviewer: owenj, 11-May-2017 16:53:05

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

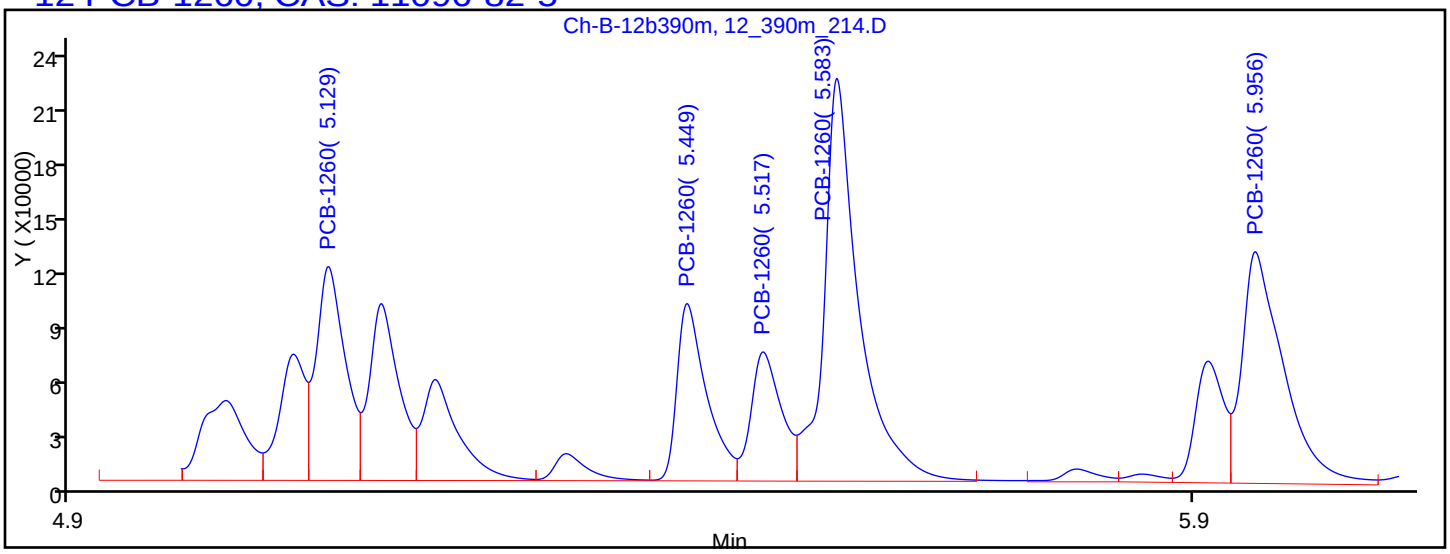
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TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_214.D

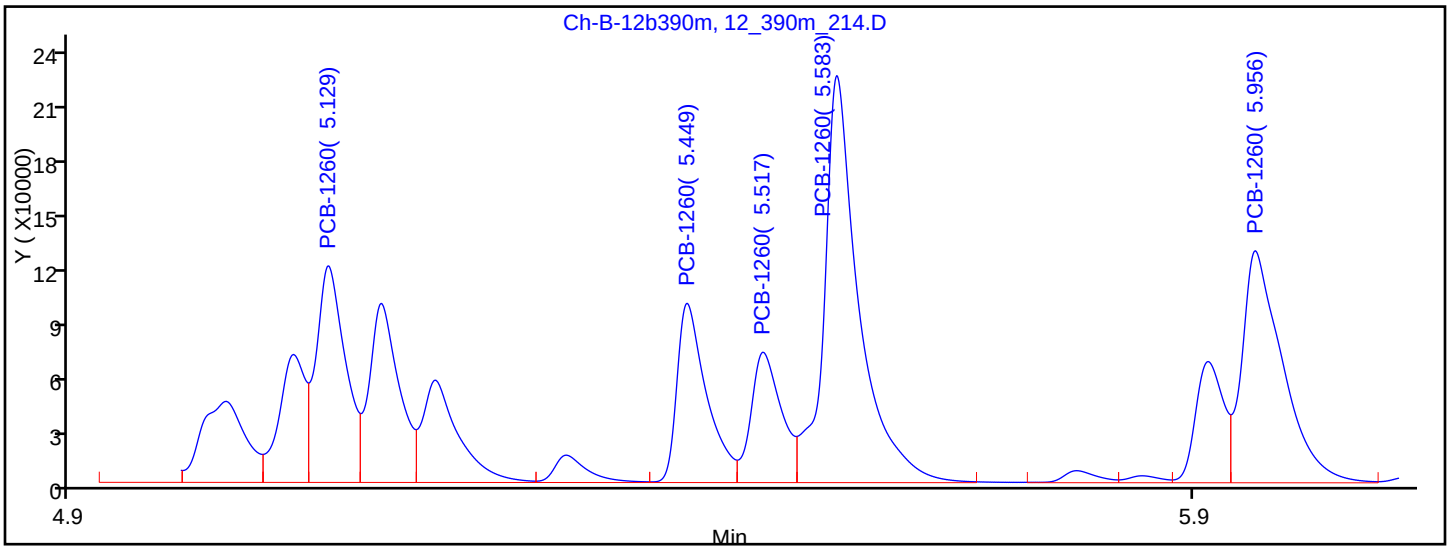
Injection Date:	11-May-2017 15:46:31	Instrument ID:	HP5890-12		
Lims ID:	IC 7				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

5.129	Response = 216069
5.449	Response = 181435
5.517	Response = 136296
5.583	Response = 485154
5.956	Response = 334613



Manual Integration Results

5.129	Response = 216459	M
5.449	Response = 181227	M
5.517	Response = 135872	M
5.583	Response = 483176	M
5.956	Response = 321662	M

Reviewer: owenj, 11-May-2017 16:53:10

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_215.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 11-May-2017 16:01:52 ALS Bottle#: 0 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:50:50 Calib Date: 12-May-2017 17:50:21
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_240.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 12-May-2017 15:33:10

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.318	1.335	-0.017	1225188	0.5000	0.5000	
2	1.616	1.603	0.013	1094893	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.917	1.892	0.025	64039	0.0250	0.0259	M
2	2.207	2.202	0.005	48270	0.0250	0.0246	
						RPD = 5.18	
9 PCB-1016							M
1	2.121	2.123	-0.002	66140	1.00	0.99	M
1	2.504	2.521	-0.017	72358	1.00	1.02	M
1	2.677	2.681	-0.004	235761	1.00	0.9741	M
1	2.750	2.758	-0.008	96162	1.00	1.03	M
1	2.803	2.803	0.000	60376	1.00	1.04	M
		Average of Peak Amounts =				1.01	
2	2.615	2.627	-0.012	44352	1.00	1.00	
2	2.935	2.938	-0.003	92451	1.00	1.01	M
2	3.147	3.146	0.001	56659	1.00	1.00	M
2	3.246	3.249	-0.003	176641	1.00	1.00	M
2	3.364	3.364	0.000	72644	1.00	0.99	M
		Average of Peak Amounts =				1.00	
						RPD = 1.27	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.187	4.185	0.002	134181	1.00	0.9760	M
1	4.404	4.402	0.002	192588	1.00	1.03	M
1	4.530	4.563	-0.033	107623	1.00	1.00	M
1	4.715	4.711	0.004	91027	1.00	1.02	M
1	5.149	5.146	0.003	122865	1.00	1.02	M
		Average of Peak Amounts =				1.01	
2	5.130	5.128	0.002	115663	1.00	1.01	
2	5.451	5.448	0.003	95144	1.00	1.00	
2	5.517	5.515	0.002	71243	1.00	1.00	
2	5.583	5.581	0.002	255646	1.00	1.01	
2	5.956	5.954	0.002	167370	1.00	1.00	
		Average of Peak Amounts =				1.00	
						RPD = 0.38	
$ 15 DCB Decachlorobiphenyl							M
1	6.194	6.187	0.007	81549	0.0250	0.0254	M
2	7.247	7.248	-0.001	74030	0.0250	0.0252	
						RPD = 0.64	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is1.0_00006 Amount Added: 1.00 Units: mL

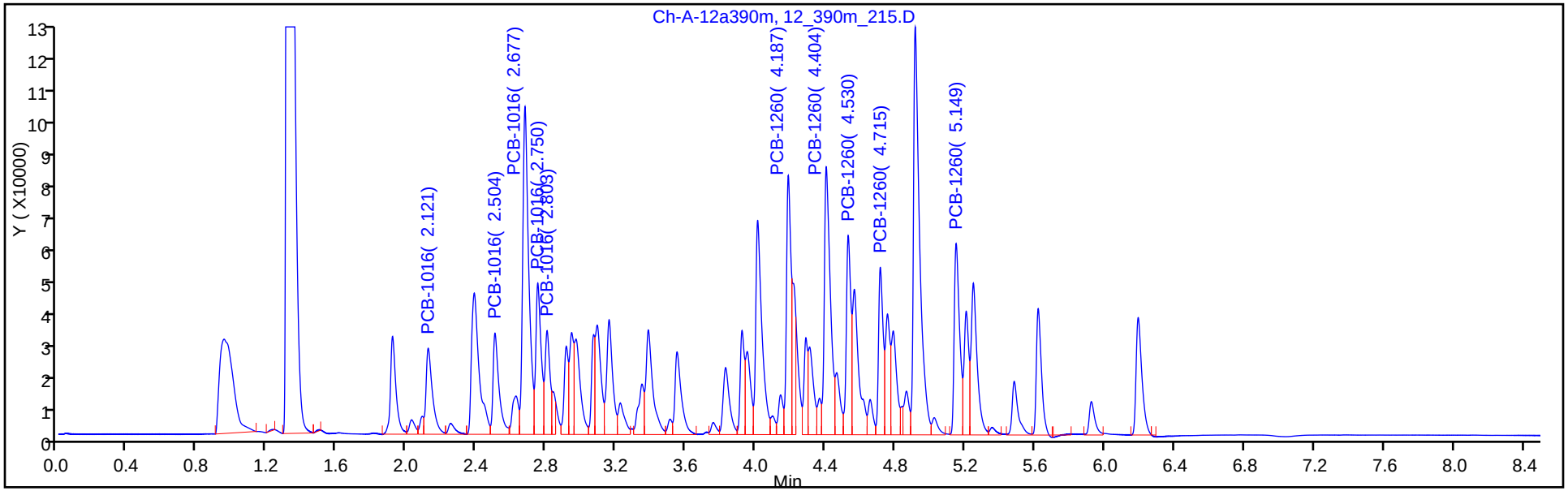
Report Date: 15-May-2017 13:50:51 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

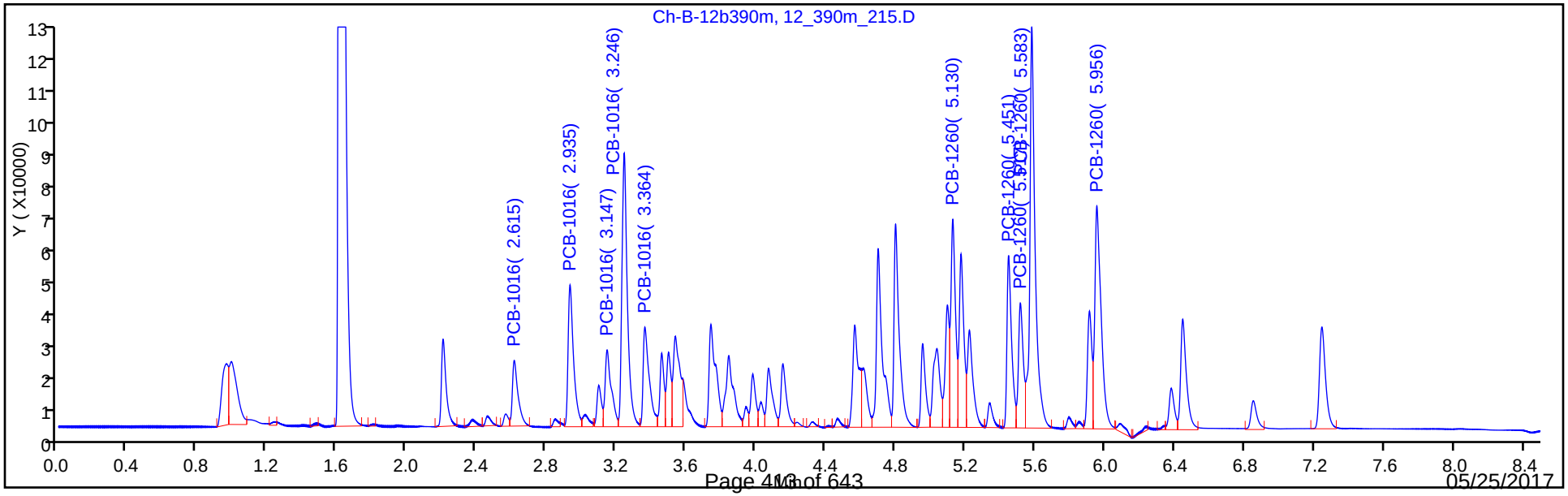
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Injection Date:	11-May-2017 16:01:52	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 6			Worklist Smp#:	18
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Report Date: 15-May-2017 13:50:51 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_215.D

Injection Date: 11-May-2017 16:01:52 Instrument ID: HP5890-12

Lims ID: IC 6

Client ID:

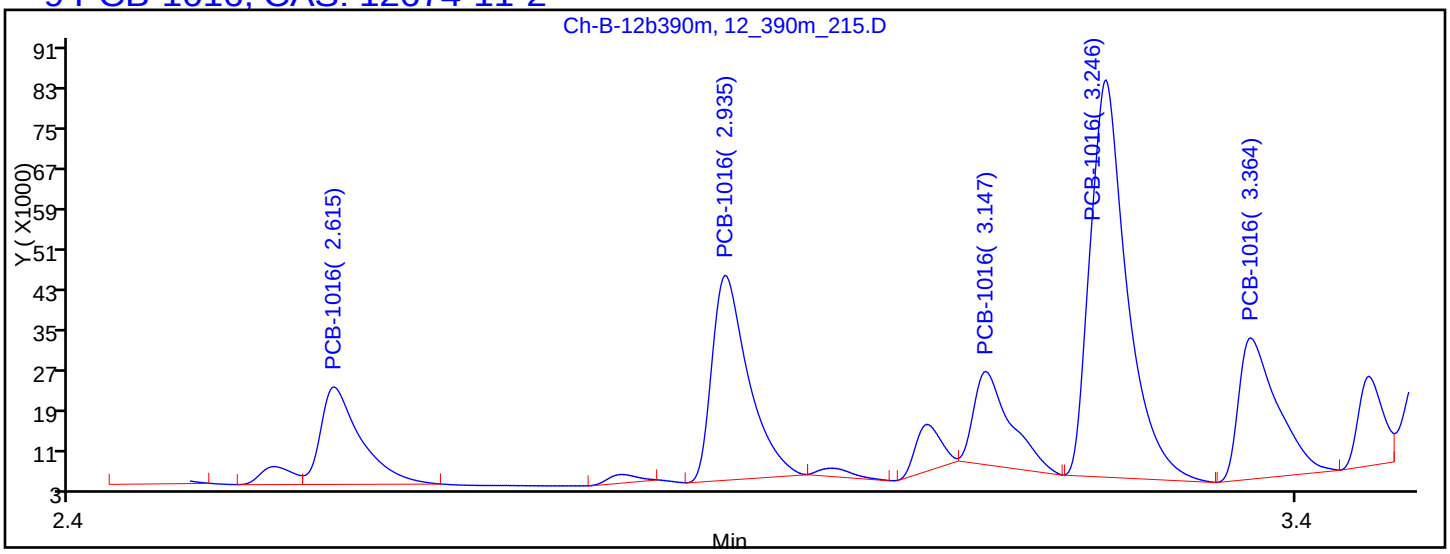
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 18

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

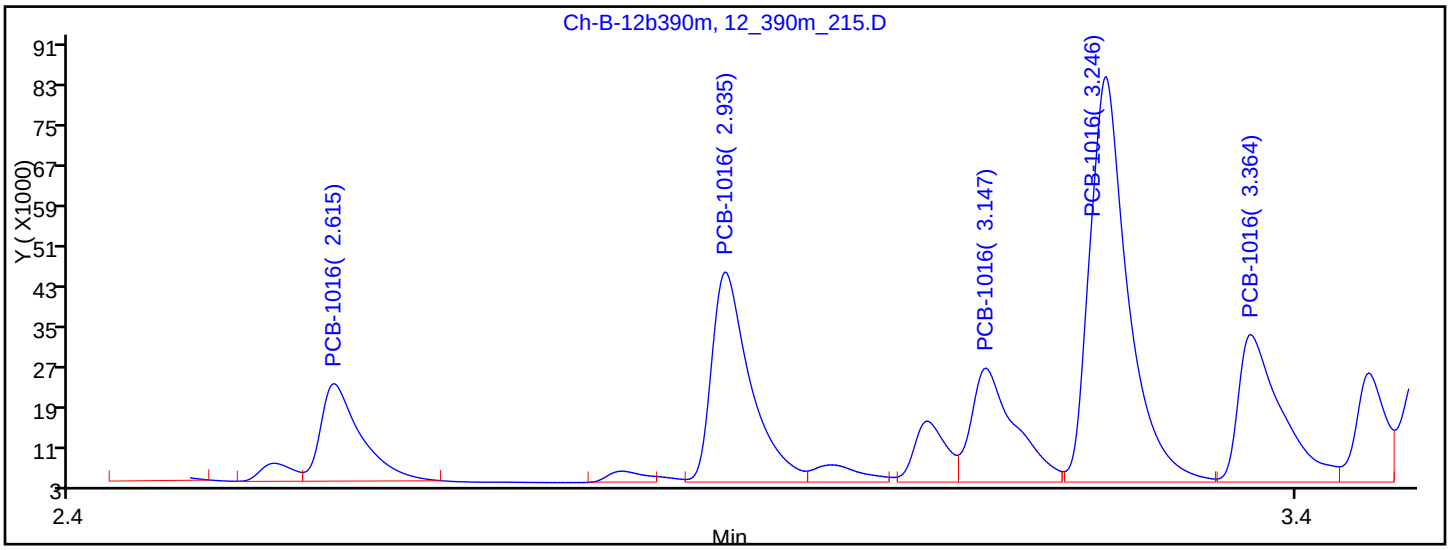
Column: Detector Ch-B-7b136

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.615	Response = 44352
2.935	Response = 84657
3.147	Response = 39131
3.246	Response = 167029
3.364	Response = 61955



Manual Integration Results

2.615	Response = 44352	
2.935	Response = 92451	M
3.147	Response = 56659	M
3.246	Response = 176641	M
3.364	Response = 72644	M

Reviewer: owenj, 12-May-2017 15:32:44

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_216.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 11-May-2017 16:17:12 ALS Bottle#: 0 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:50:53 Calib Date: 12-May-2017 17:50:21
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_240.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 12-May-2017 15:33:58

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.319	1.319	0.000	1242256	0.5000	0.5000	
2	1.617	1.617	0.000	1109432	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.917	1.917	0.000	30459	0.0125	0.0122	M
2	2.207	2.207	0.000	23415	0.0125	0.0118	M
						RPD = 3.56	
9 PCB-1016							M
1	2.123	2.123	0.000	34907	0.5000	0.5166	M
1	2.505	2.505	0.000	37488	0.5000	0.5210	M
1	2.677	2.677	0.000	123085	0.5000	0.5016	M
1	2.751	2.751	0.000	49584	0.5000	0.5186	M
1	2.803	2.803	0.000	30097	0.5000	0.5096	M
		Average of Peak Amounts =				0.5135	
2	2.616	2.616	0.000	24469	0.5000	0.5356	M
2	2.936	2.936	0.000	49784	0.5000	0.5328	M
2	3.147	3.147	0.000	30139	0.5000	0.5235	M
2	3.246	3.246	0.000	90874	0.5000	0.5075	M
2	3.364	3.364	0.000	37865	0.5000	0.5095	M
		Average of Peak Amounts =				0.5218	
						RPD = 1.60	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.187	4.187	0.000	75072	0.5000	0.5281	M
1	4.405	4.405	0.000	97345	0.5000	0.5064	
1	4.531	4.531	0.000	55281	0.5000	0.5087	
1	4.714	4.714	0.000	45564	0.5000	0.5047	
1	5.149	5.149	0.000	60333	0.5000	0.4889	M
		Average of Peak Amounts =				0.5074	
2	5.130	5.130	0.000	58672	0.5000	0.5040	
2	5.450	5.450	0.000	48489	0.5000	0.4990	
2	5.518	5.518	0.000	37018	0.5000	0.5086	
2	5.583	5.583	0.000	129530	0.5000	0.5025	
2	5.955	5.955	0.000	84773	0.5000	0.5009	
		Average of Peak Amounts =				0.5030	
						RPD = 0.86	
$ 15 DCB Decachlorobiphenyl							M
1	6.192	6.192	0.000	40170	0.0125	0.0123	M
2	7.245	7.245	0.000	38140	0.0125	0.0128	
						RPD = 3.55	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is0.5_00005 Amount Added: 1.00 Units: mL

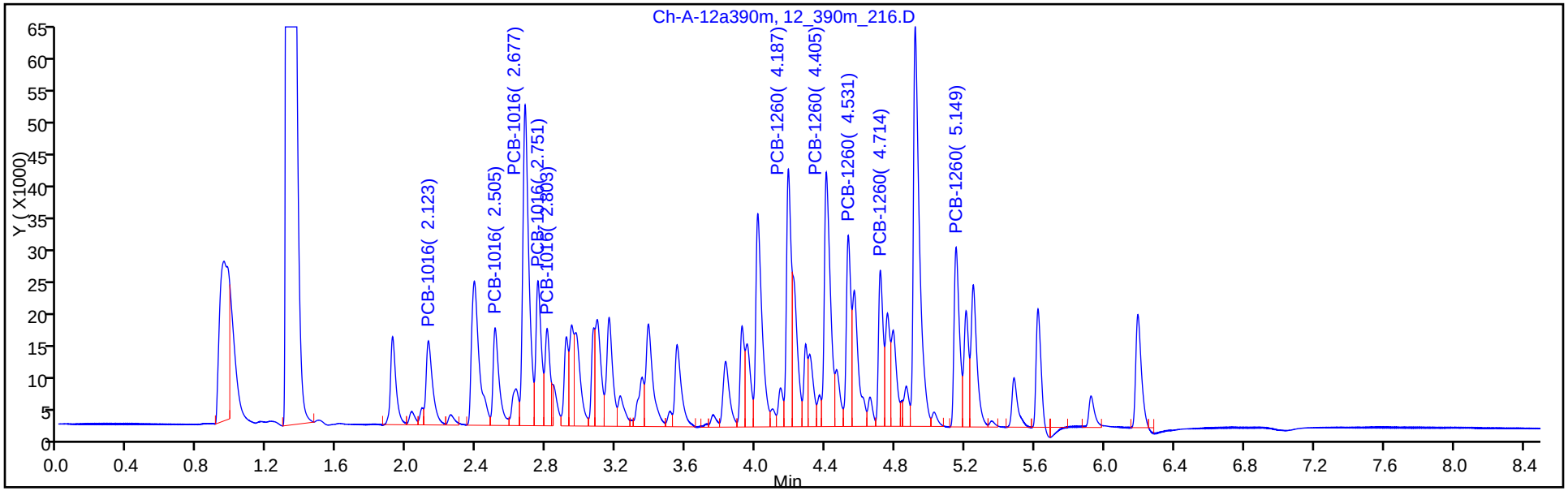
Report Date: 15-May-2017 13:50:54 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

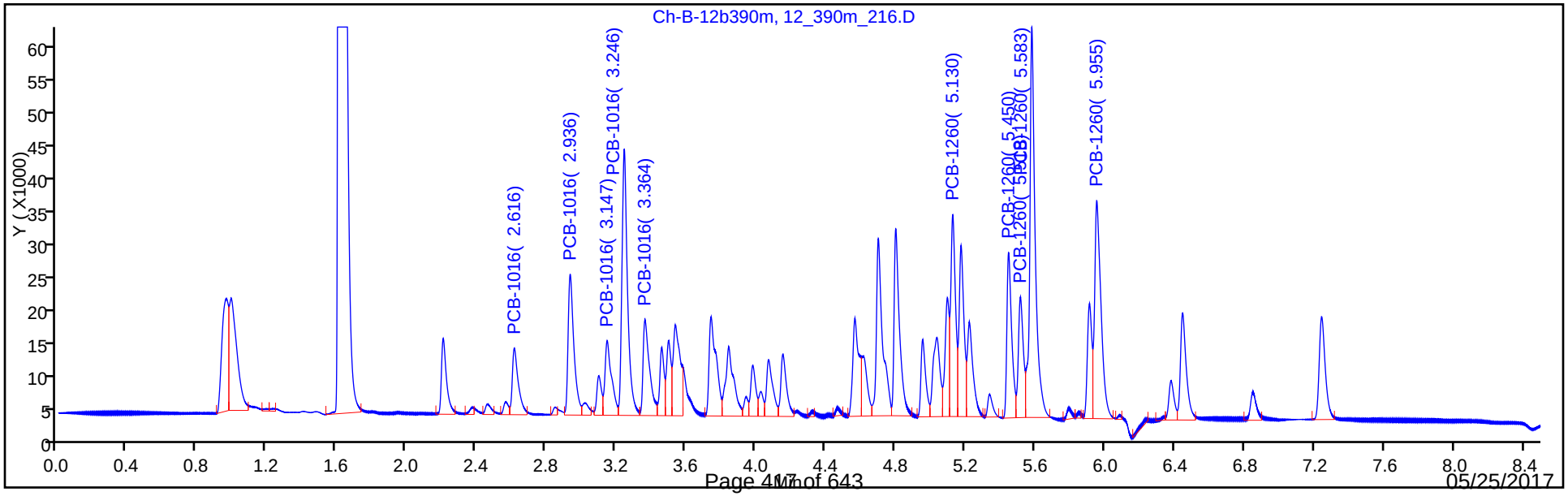
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_216.D

Injection Date:	11-May-2017 16:17:12	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	ICIS 5			Worklist Smp#:	19
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

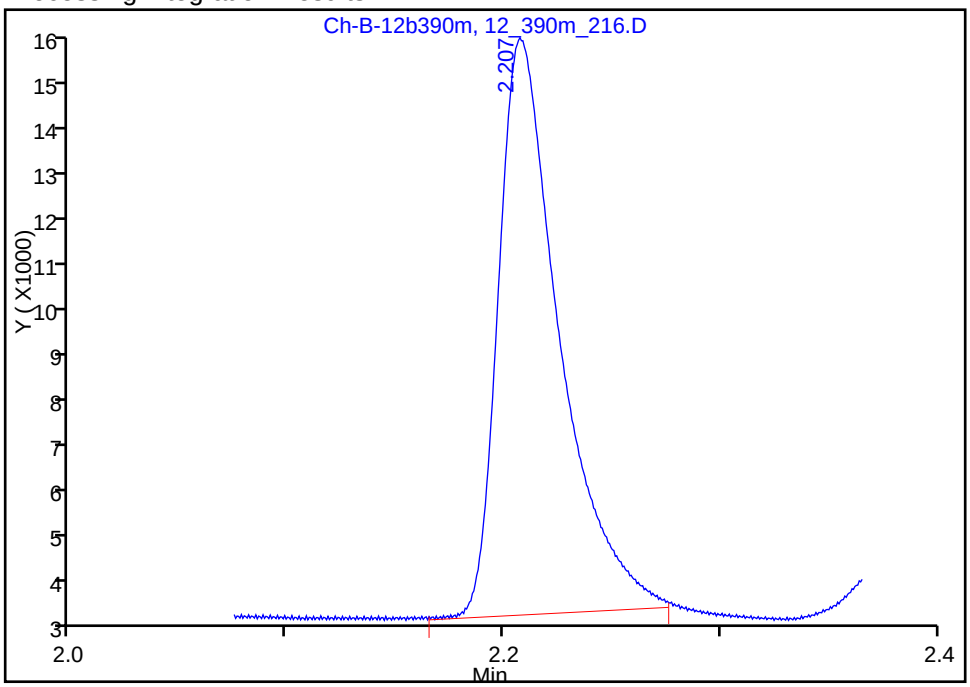
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Injection Date: 11-May-2017 16:17:12 Instrument ID: HP5890-12
Lims ID: ICIS 5
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-B-7b136

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 2

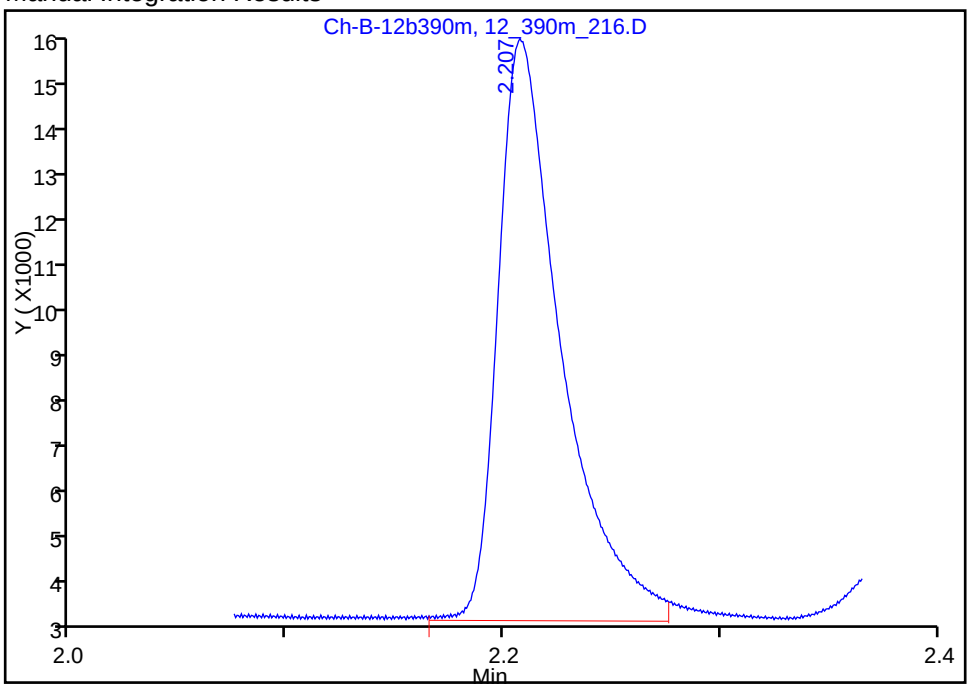
Processing Integration Results

RT: 2.21
Area: 22379
Amount: 0.011549
Amount Units: ng/uL



Manual Integration Results

RT: 2.21
Area: 23415
Amount: 0.011816
Amount Units: ng/uL



Reviewer: owenj, 12-May-2017 15:33:24
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 15-May-2017 13:50:55 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_216.D

Injection Date: 11-May-2017 16:17:12 Instrument ID: HP5890-12

Lims ID: ICIS 5

Client ID:

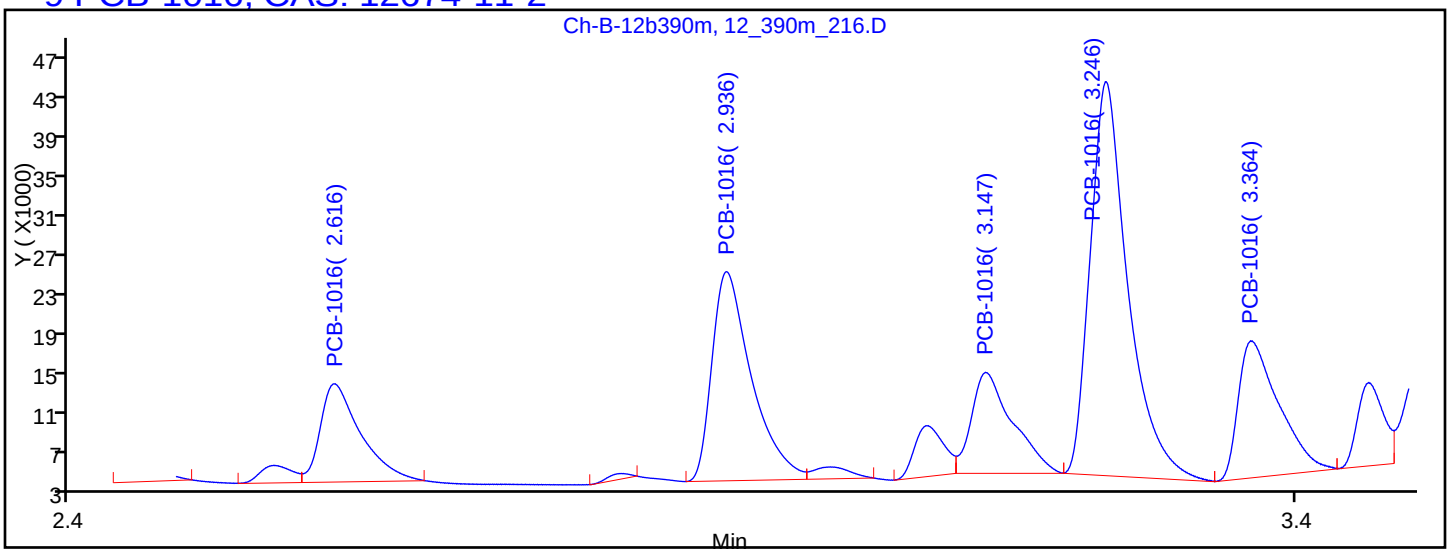
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 19

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

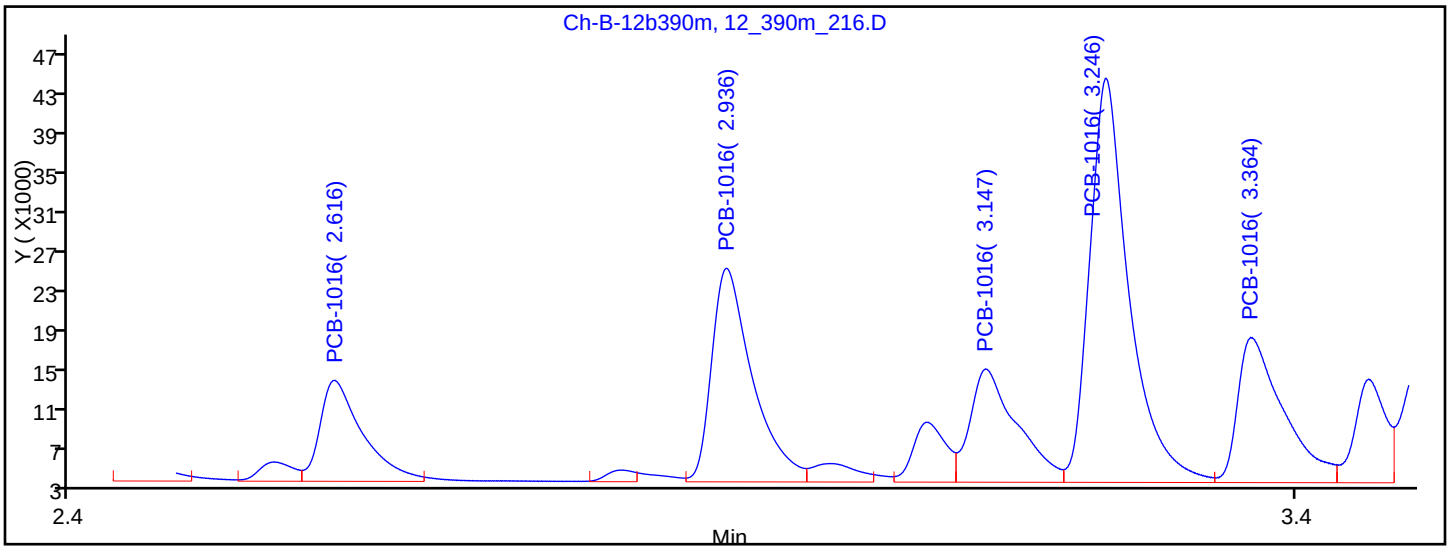
Column: Detector Ch-B-7b136

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.616	Response = 22585
2.936	Response = 46892
3.147	Response = 23618
3.246	Response = 84699
3.364	Response = 31421



Manual Integration Results

2.616	Response = 24469	M
2.936	Response = 49784	M
3.147	Response = 30139	M
3.246	Response = 90874	M
3.364	Response = 37865	M

Reviewer: owenj, 12-May-2017 15:33:24

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_217.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 11-May-2017 16:32:35 ALS Bottle#: 0 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:50:57 Calib Date: 12-May-2017 17:50:21
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_240.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 11-May-2017 17:22:30

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.319	1.319	0.000	1267222	0.5000	0.5000	
2	1.616	1.617	-0.001	1132123	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.916	1.917	-0.001	12358	0.005000	0.004977	M
2	2.207	2.207	0.000	8574	0.005000	0.004294	
						RPD = 14.75	
9 PCB-1016							M
1	2.123	2.123	0.000	15036	0.2000	0.2182	M
1	2.505	2.505	0.000	15855	0.2000	0.2160	M
1	2.678	2.677	0.001	52434	0.2000	0.2095	M
1	2.751	2.751	0.000	21437	0.2000	0.2122	M
1	2.803	2.803	0.000	12533	0.2000	0.2039	M
		Average of Peak Amounts =				0.2119	
2	2.615	2.616	-0.001	10411	0.2000	0.2132	M
2	2.936	2.936	0.000	21779	0.2000	0.2226	M
2	3.147	3.147	0.000	12711	0.2000	0.2176	M
2	3.245	3.246	-0.001	37971	0.2000	0.2056	M
2	3.364	3.364	0.000	15981	0.2000	0.2107	M
		Average of Peak Amounts =				0.2139	
						RPD = 0.94	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.187	4.187	0.000	35011	0.2000	0.2288	M
1	4.404	4.405	-0.001	42034	0.2000	0.2089	M
1	4.529	4.531	-0.002	24020	0.2000	0.2167	M
1	4.713	4.714	-0.001	18160	0.2000	0.1992	M
1	5.148	5.149	-0.001	24761	0.2000	0.1912	M
		Average of Peak Amounts =				0.2089	
2	5.129	5.130	-0.001	26704	0.2000	0.2222	M
2	5.449	5.450	-0.001	22758	0.2000	0.2246	M
2	5.516	5.518	-0.002	16127	0.2000	0.2125	M
2	5.583	5.583	0.000	55320	0.2000	0.2078	M
2	5.955	5.955	0.000	35418	0.2000	0.2046	M
		Average of Peak Amounts =				0.2143	
						RPD = 2.55	
$ 15 DCB Decachlorobiphenyl							M
1	6.189	6.192	-0.003	16167	0.005000	0.004860	M
2	7.243	7.245	-0.002	15899	0.005000	0.005158	
						RPD = 5.94	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is0.2_00005 Amount Added: 1.00 Units: mL

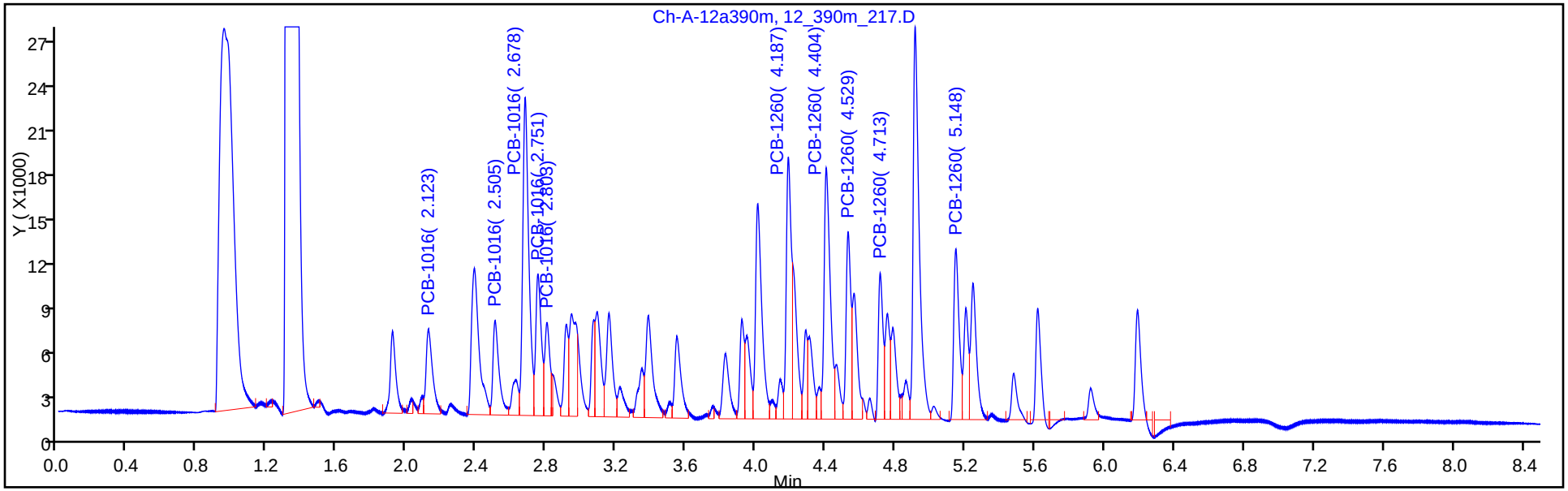
Report Date: 15-May-2017 13:50:58 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

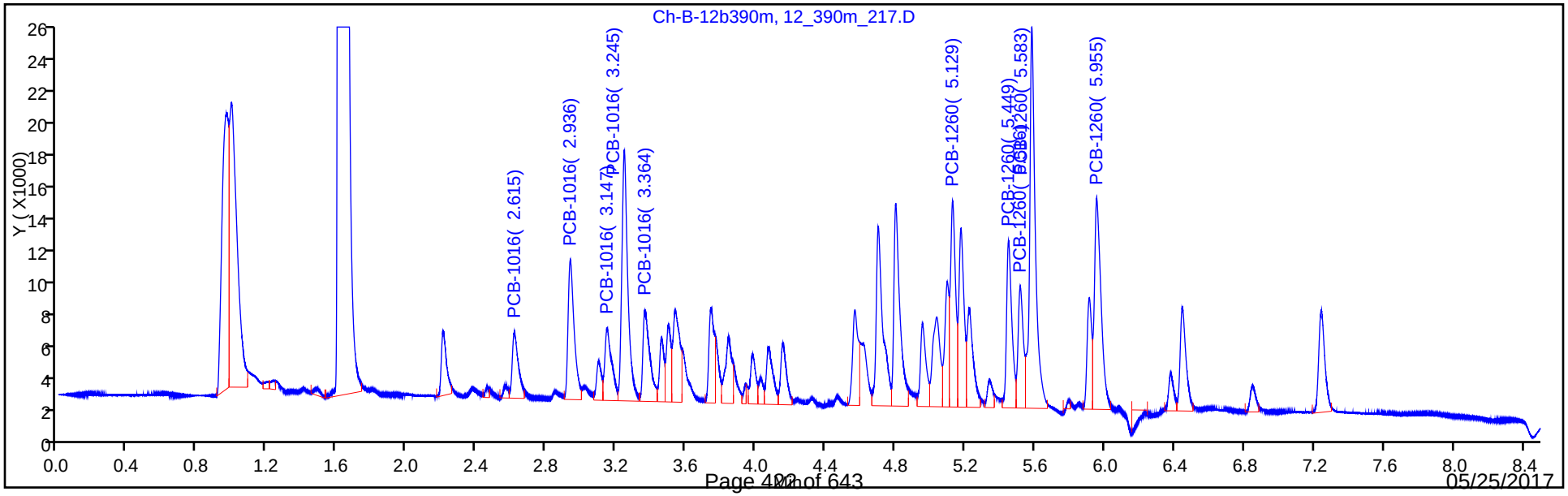
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_217.D

Injection Date:	11-May-2017 16:32:35	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 4			Worklist Smp#:	20
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Report Date: 15-May-2017 13:50:58 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_217.D

Injection Date: 11-May-2017 16:32:35 Instrument ID: HP5890-12

Lims ID: IC 4

Client ID:

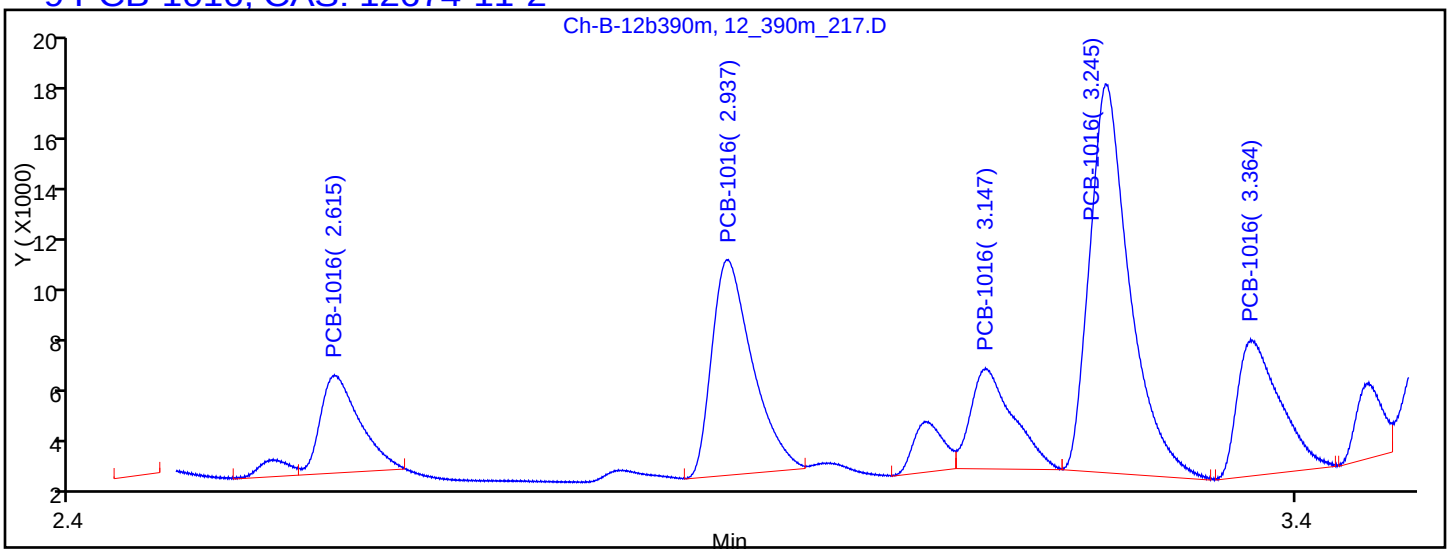
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 20

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

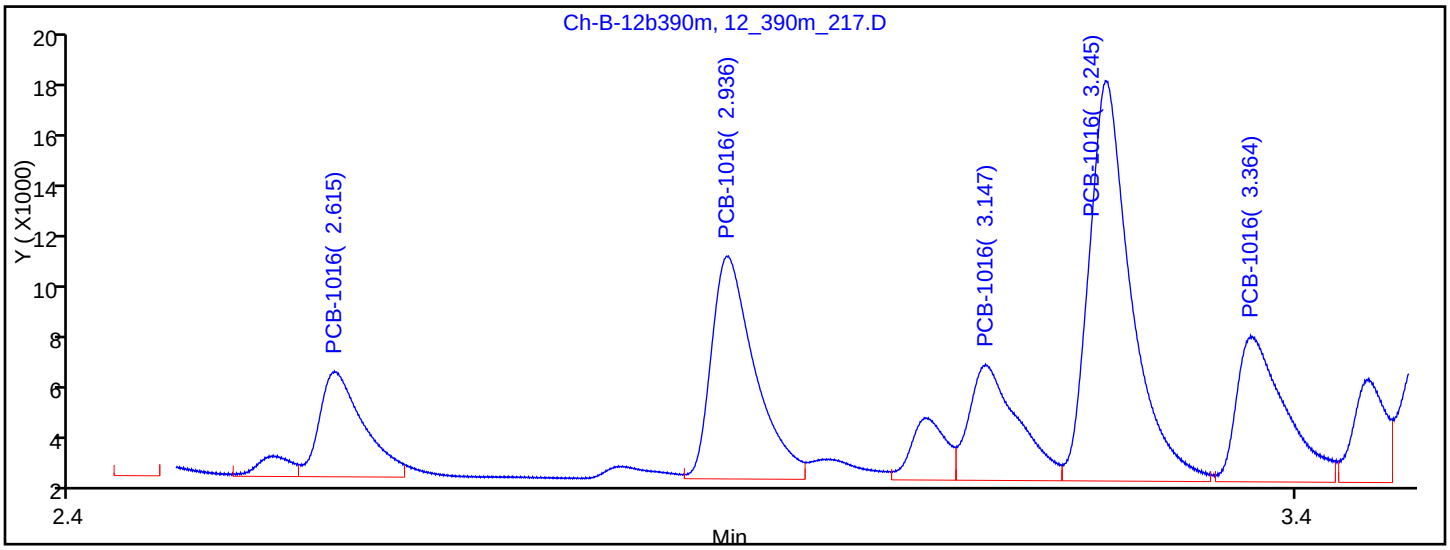
Column: Detector Ch-B-7b136

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.615	Response = 8641
2.937	Response = 19651
3.147	Response = 9588
3.245	Response = 35049
3.364	Response = 13059



Manual Integration Results

2.615	Response = 10411	M
2.936	Response = 21779	M
3.147	Response = 12711	M
3.245	Response = 37971	M
3.364	Response = 15981	M

Reviewer: owenj, 12-May-2017 15:34:37

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

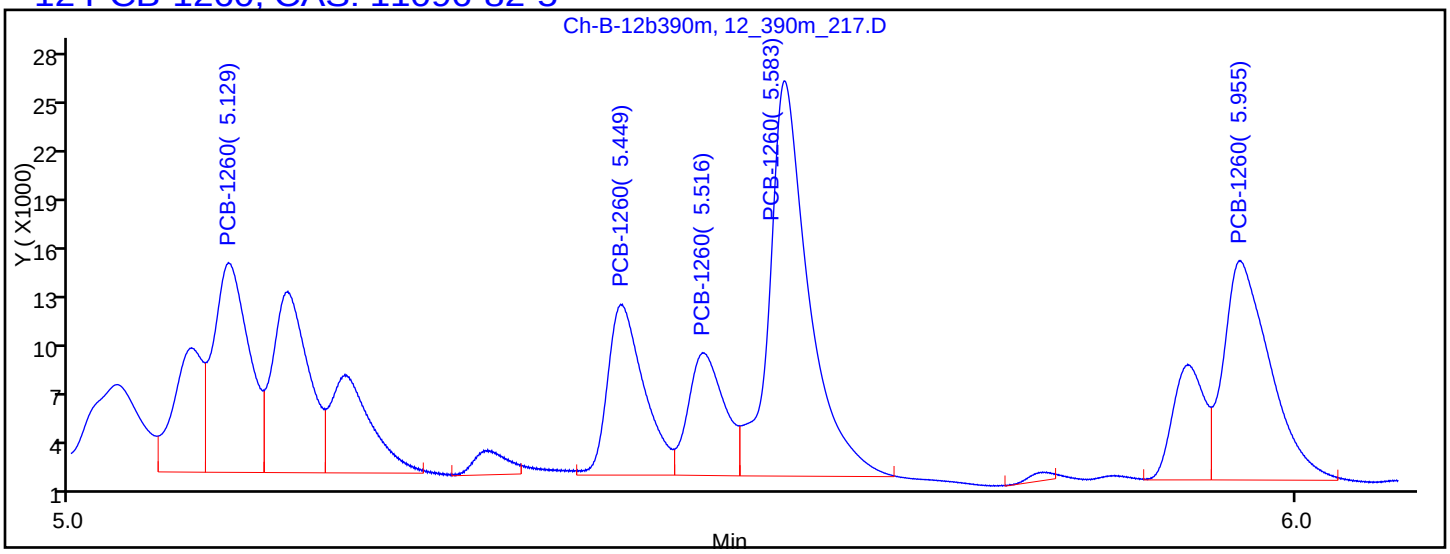
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TestAmerica Buffalo

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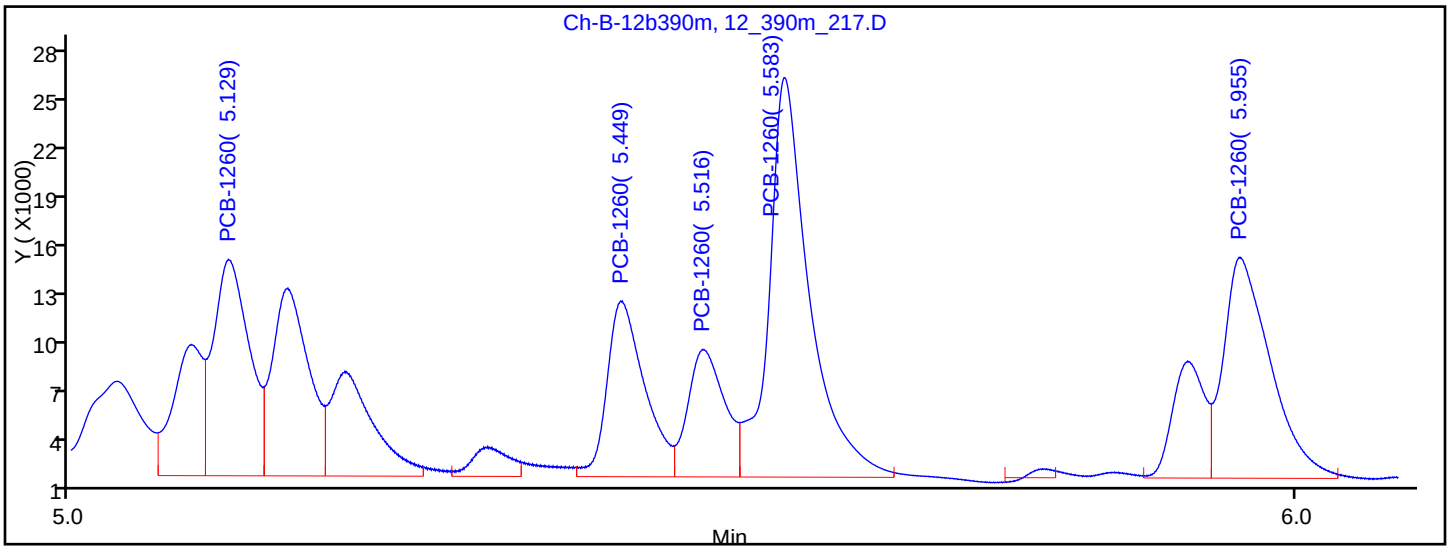
Injection Date:	11-May-2017 16:32:35	Instrument ID:	HP5890-12		
Lims ID:	IC 4				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

5.129	Response = 25545
5.449	Response = 21337
5.516	Response = 15219
5.583	Response = 53408
5.955	Response = 34872



Manual Integration Results

5.129	Response = 26704	M
5.449	Response = 22758	M
5.516	Response = 16127	M
5.583	Response = 55320	M
5.955	Response = 35418	M

Reviewer: owenj, 12-May-2017 15:34:40

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_218.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 11-May-2017 17:07:37 ALS Bottle#: 0 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:51:01 Calib Date: 12-May-2017 17:50:21
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_240.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 12-May-2017 15:35:45

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.321	1.319	0.002	1215530	0.5000	0.5000	
2	1.618	1.617	0.001	1069342	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.924	1.917	0.007	5027	0.002500	0.002214	M
2	2.210	2.207	0.003	4181	0.002500	0.002257	M
						RPD = 1.95	
9 PCB-1016							M
1	2.133	2.123	0.010	6478	0.1000	0.0980	
1	2.516	2.505	0.011	7014	0.1000	0.0996	M
1	2.690	2.677	0.013	24849	0.1000	0.1035	M
1	2.763	2.751	0.012	10105	0.1000	0.0975	M
1	2.815	2.803	0.012	5681	0.1000	0.0927	M
		Average of Peak Amounts =				0.0983	
2	2.621	2.616	0.005	4852	0.1000	0.0964	M
2	2.944	2.936	0.008	10245	0.1000	0.1058	M
2	3.154	3.147	0.007	4397	0.1000	0.0810	M
2	3.254	3.246	0.008	17306	0.1000	0.0973	M
2	3.371	3.364	0.007	6439	0.1000	0.0899	M
		Average of Peak Amounts =				0.0941	
						RPD = 4.35	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.202	4.187	0.015	17798	0.1000	0.1103	M
1	4.419	4.405	0.014	21079	0.1000	0.1047	M
1	4.545	4.531	0.014	11503	0.1000	0.1082	M
1	4.729	4.714	0.015	9001	0.1000	0.1045	M
1	5.163	5.149	0.014	12480	0.1000	0.0961	M
		Average of Peak Amounts =				0.1047	
2	5.139	5.130	0.009	12126	0.1000	0.1044	M
2	5.459	5.450	0.009	10136	0.1000	0.1010	M
2	5.527	5.518	0.009	7891	0.1000	0.1061	M
2	5.593	5.583	0.010	28326	0.1000	0.1107	M
2	5.965	5.955	0.010	16798	0.1000	0.1023	M
		Average of Peak Amounts =				0.1049	
						RPD = 0.17	
$ 15 DCB Decachlorobiphenyl							M
1	6.207	6.192	0.015	8233	0.002500	0.002580	M
2	7.258	7.245	0.013	7544	0.002500	0.002544	
						RPD = 1.43	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is0.1_00006 Amount Added: 1.00 Units: mL

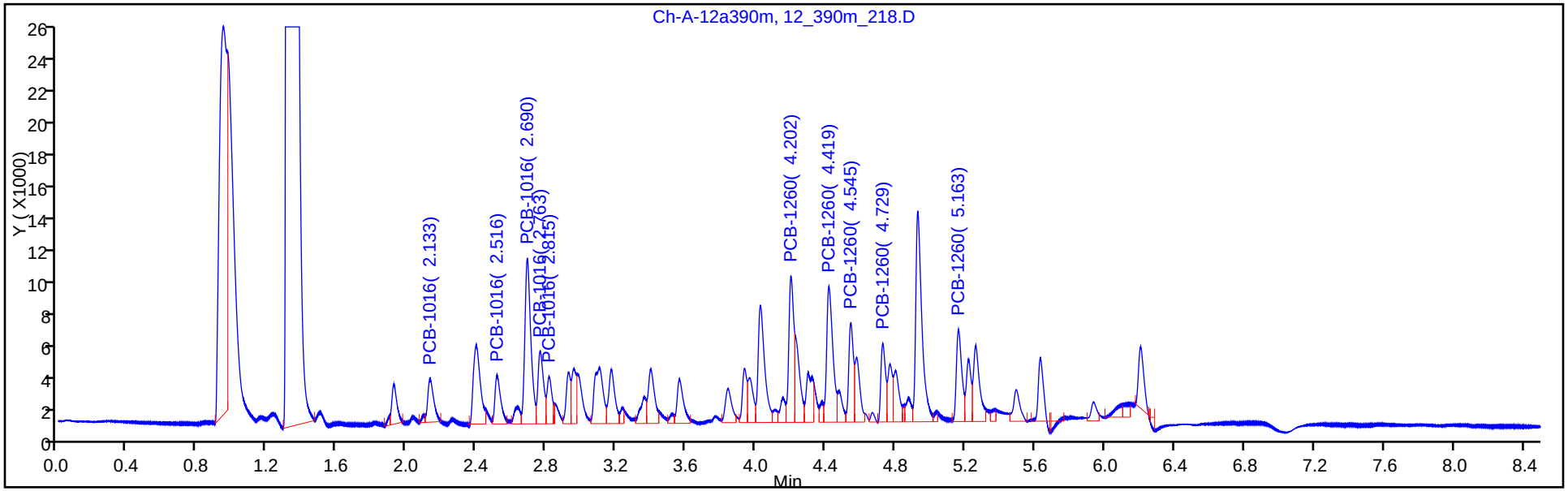
Report Date: 15-May-2017 13:51:02 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

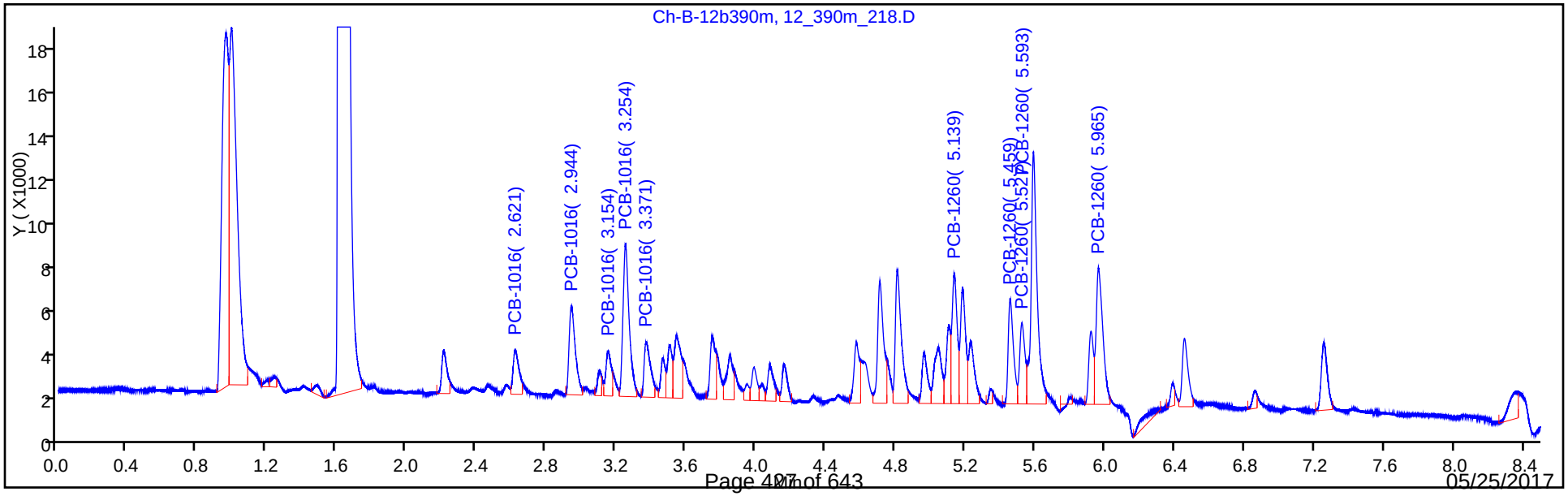
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_218.D

Injection Date:	11-May-2017 17:07:37	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	21
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

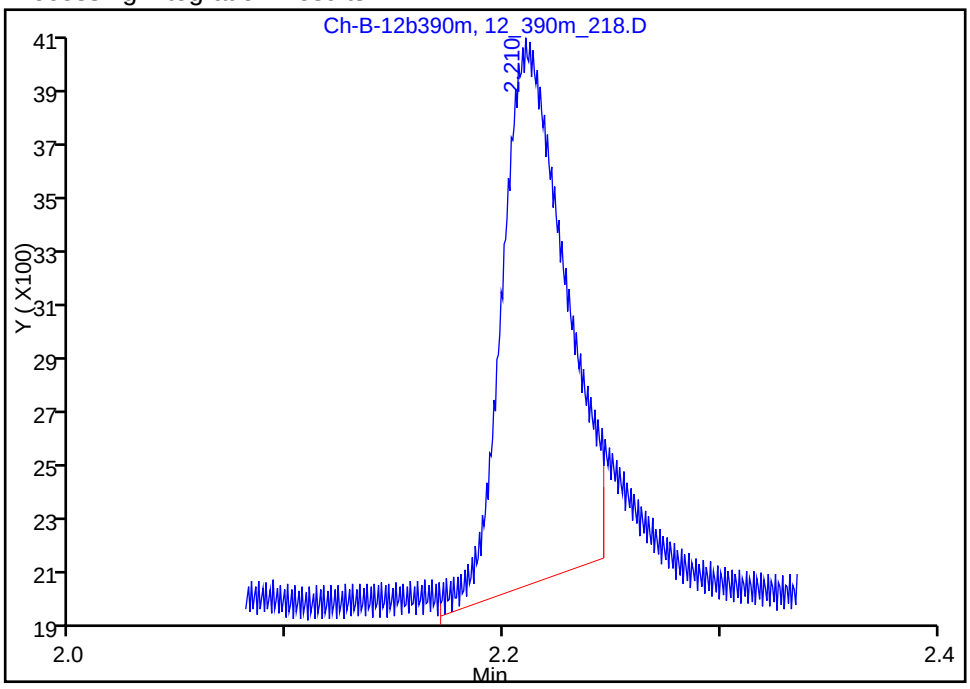
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_218.D
Injection Date: 11-May-2017 17:07:37 Instrument ID: HP5890-12
Lims ID: IC 3
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-B-7b136

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 2

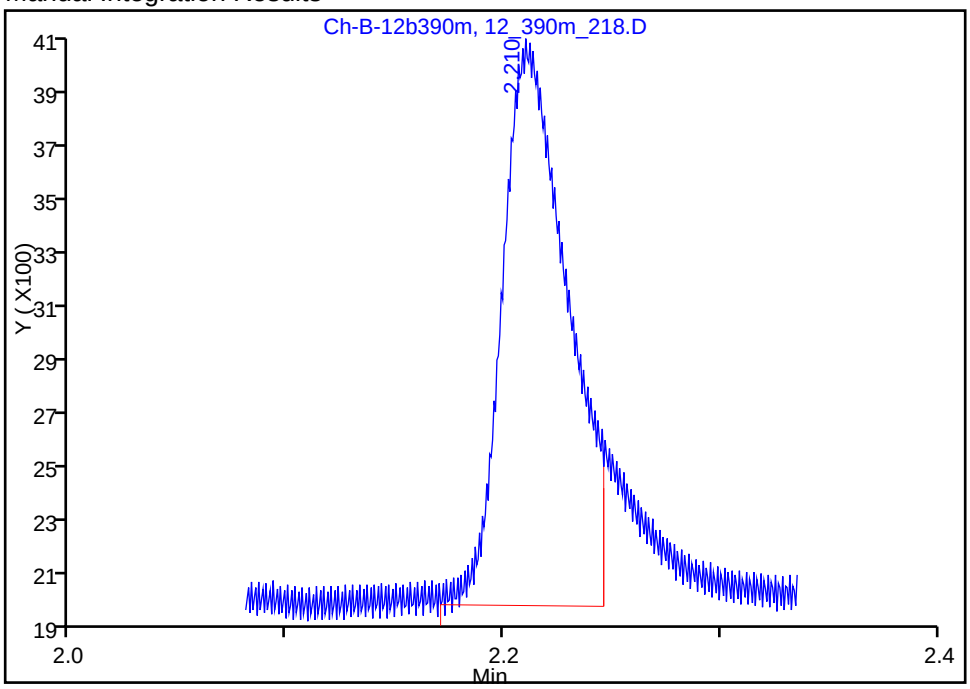
Processing Integration Results

RT: 2.21
Area: 3898
Amount: 0.002462
Amount Units: ng/uL



Manual Integration Results

RT: 2.21
Area: 4181
Amount: 0.002257
Amount Units: ng/uL



Reviewer: owenj, 12-May-2017 15:35:31
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 15-May-2017 13:51:02 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_218.D

Injection Date: 11-May-2017 17:07:37 Instrument ID: HP5890-12

Lims ID: IC 3

Client ID:

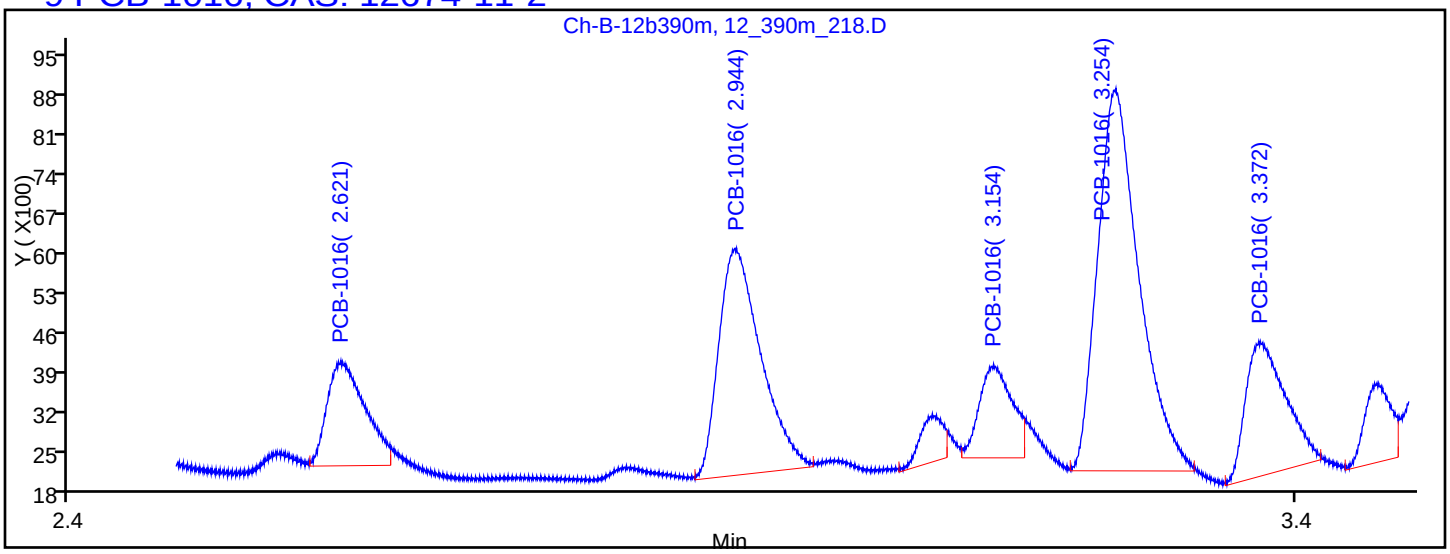
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 21

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

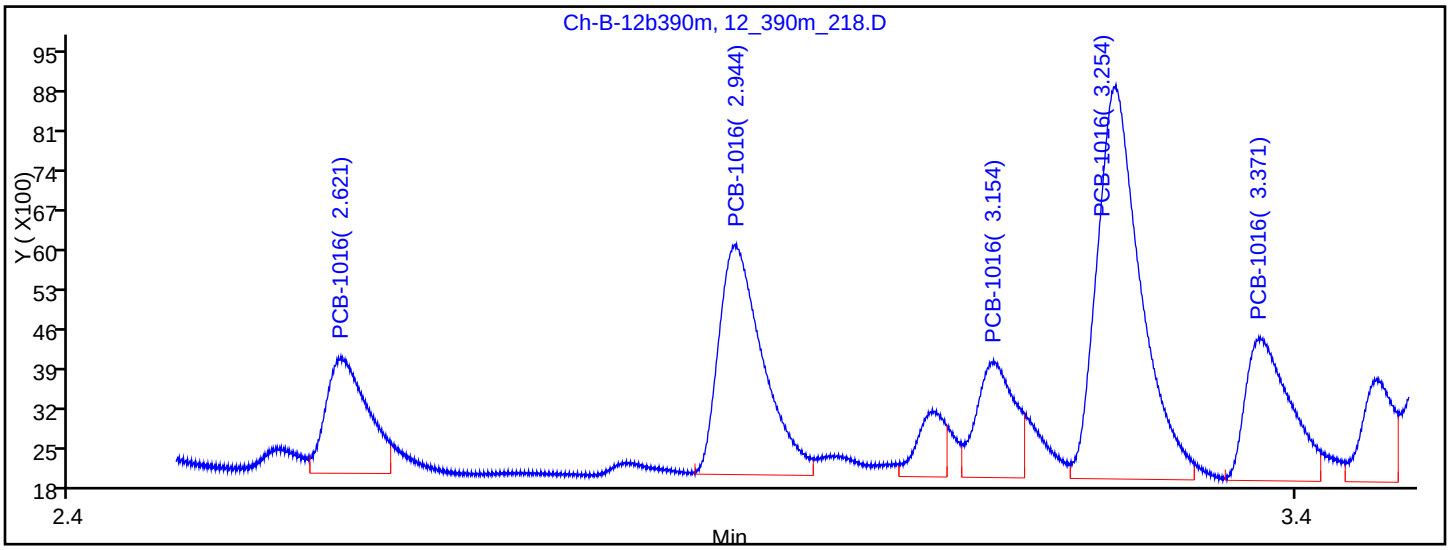
Column: Detector Ch-B-7b136

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.621	Response = 3989
2.944	Response = 9601
3.154	Response = 3065
3.254	Response = 15904
3.372	Response = 5377



Manual Integration Results

2.621	Response = 4852	M
2.944	Response = 10245	M
3.154	Response = 4397	M
3.254	Response = 17306	M
3.371	Response = 6439	M

Reviewer: owenj, 12-May-2017 15:35:25

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

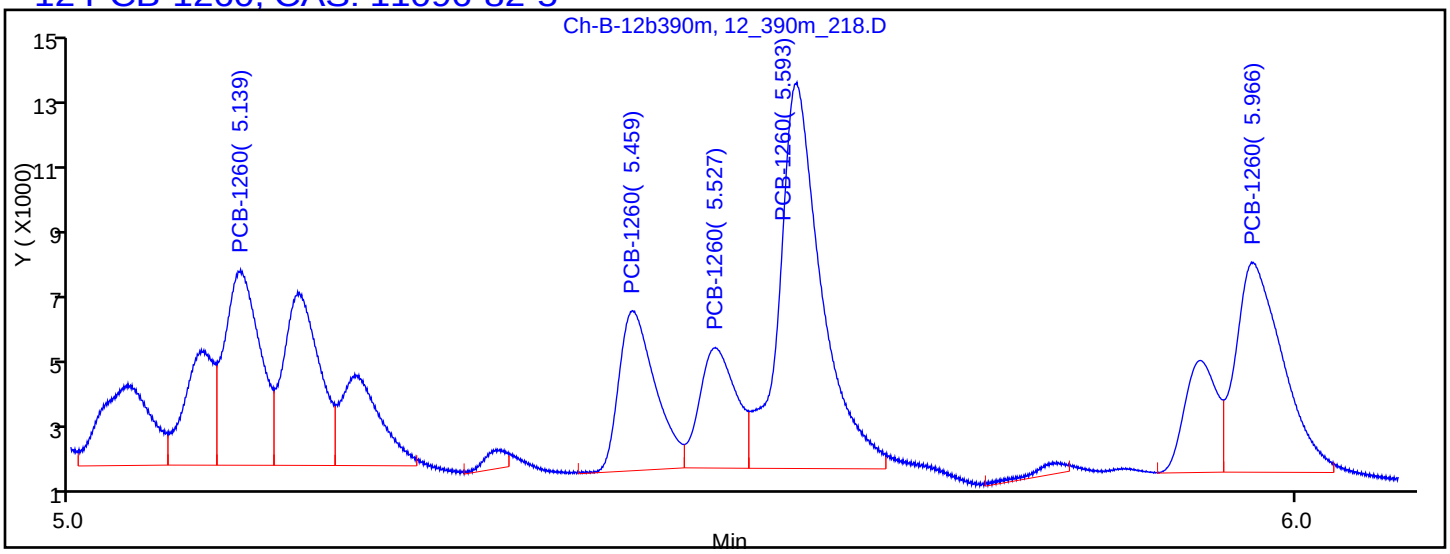
Report Date: 15-May-2017 13:51:02 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_218.D

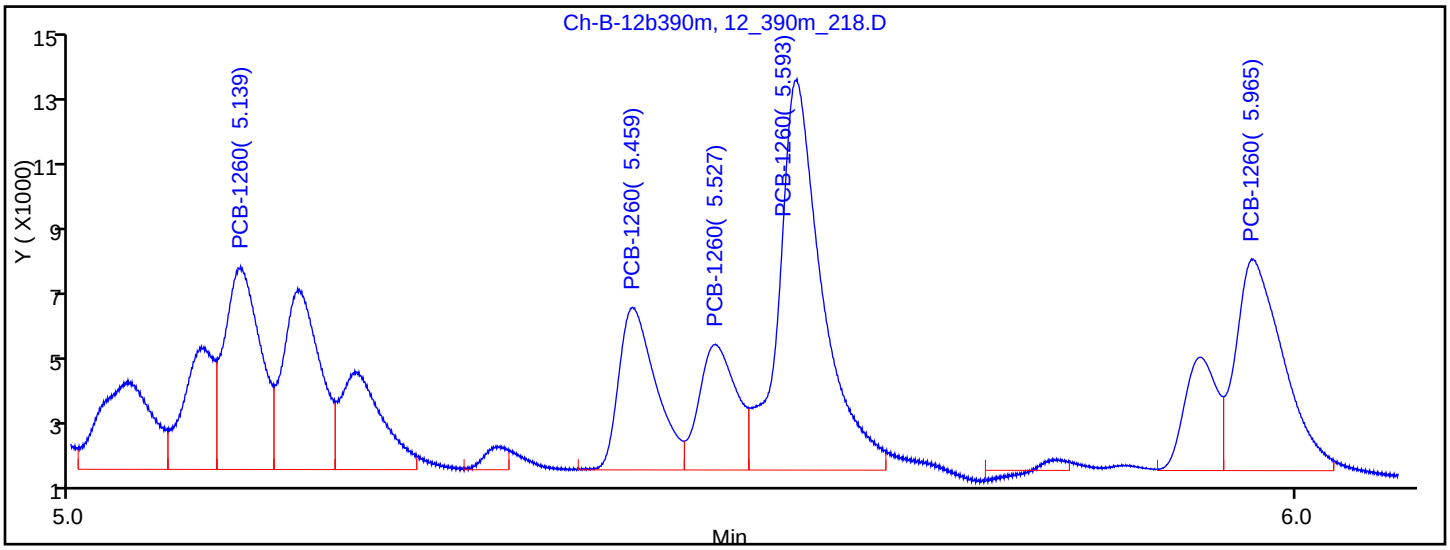
Injection Date:	11-May-2017 17:07:37	Instrument ID:	HP5890-12		
Lims ID:	IC 3				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

5.139	Response = 11506
5.459	Response = 9769
5.527	Response = 7406
5.593	Response = 27375
5.966	Response = 16542



Manual Integration Results

5.139	Response = 12126	M
5.459	Response = 10136	M
5.527	Response = 7891	M
5.593	Response = 28326	M
5.965	Response = 16798	M

Reviewer: owenj, 12-May-2017 15:35:27

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_219.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 11-May-2017 17:22:58 ALS Bottle#: 0 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:51:05 Calib Date: 12-May-2017 17:50:21
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_240.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 12-May-2017 15:36:55

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.319	1.319	0.000	1244433	0.5000	0.5000	
2	1.617	1.617	0.000	1106372	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.917	1.917	0.000	2717	0.001250	0.001253	M
2	2.207	2.207	0.000	2787	0.001250	0.001484	M
						RPD = 16.89	
9 PCB-1016							M
1	2.127	2.123	0.004	3817	0.0500	0.0564	
1	2.508	2.505	0.003	3863	0.0500	0.0536	M
1	2.681	2.677	0.004	13140	0.0500	0.0535	M
1	2.755	2.751	0.004	5959	0.0500	0.0505	M
1	2.805	2.803	0.002	3582	0.0500	0.0544	M
		Average of Peak Amounts =				0.0537	
2	2.619	2.616	0.003	2939	0.0500	0.0492	M
2	2.941	2.936	0.005	5317	0.0500	0.0480	M
2	3.151	3.147	0.004	2551	0.0500	0.0463	M
2	3.251	3.246	0.005	9406	0.0500	0.0494	M
2	3.367	3.364	0.003	3531	0.0500	0.0476	M
		Average of Peak Amounts =				0.0481	
						RPD = 10.93	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.193	4.187	0.006	9740	0.0500	0.0481	M
1	4.409	4.405	0.004	10306	0.0500	0.0450	M
1	4.535	4.531	0.004	5394	0.0500	0.0495	M
1	4.720	4.714	0.006	4723	0.0500	0.0551	
1	5.153	5.149	0.004	6147	0.0500	0.0414	
		Average of Peak Amounts =				0.0478	
2	5.135	5.130	0.005	6524	0.0500	0.0520	M
2	5.454	5.450	0.004	5220	0.0500	0.0457	M
2	5.521	5.518	0.003	3975	0.0500	0.0475	M
2	5.587	5.583	0.004	13176	0.0500	0.0474	M
2	5.959	5.955	0.004	8176	0.0500	0.0477	
		Average of Peak Amounts =				0.0481	
						RPD = 0.45	
$ 15 DCB Decachlorobiphenyl							M
1	6.195	6.192	0.003	3975	0.001250	0.001217	M
2	7.249	7.245	0.004	3763	0.001250	0.001177	
						RPD = 3.33	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is.05_00005 Amount Added: 1.00 Units: mL

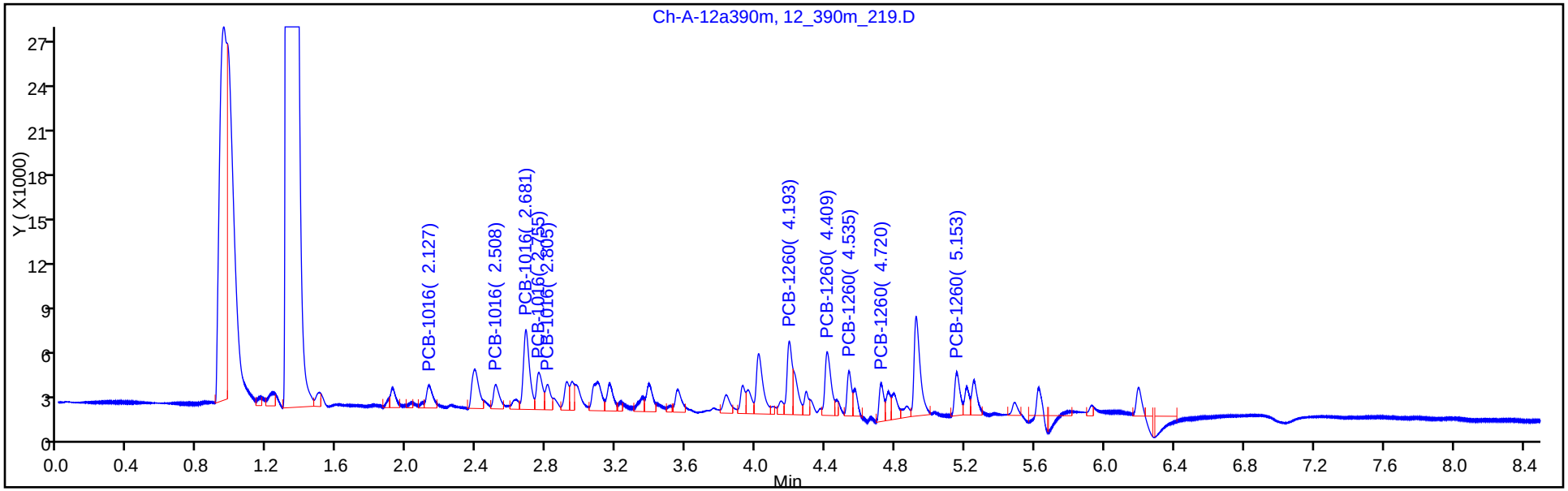
Report Date: 15-May-2017 13:51:06 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

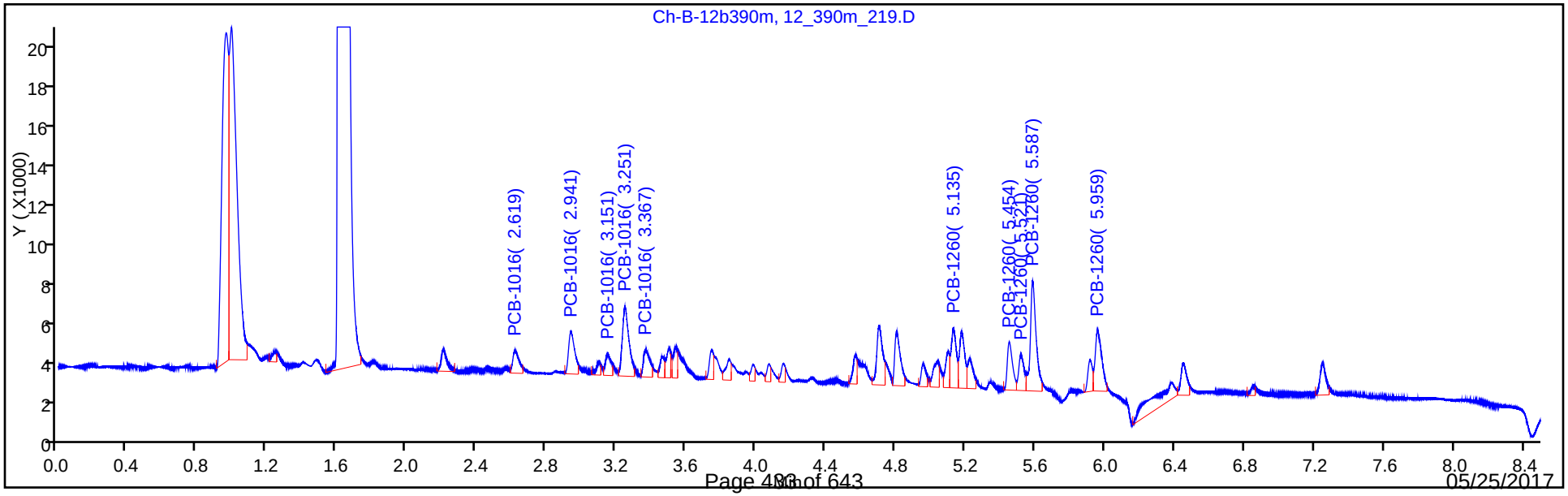
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_219.D

Injection Date:	11-May-2017 17:22:58	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	22
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

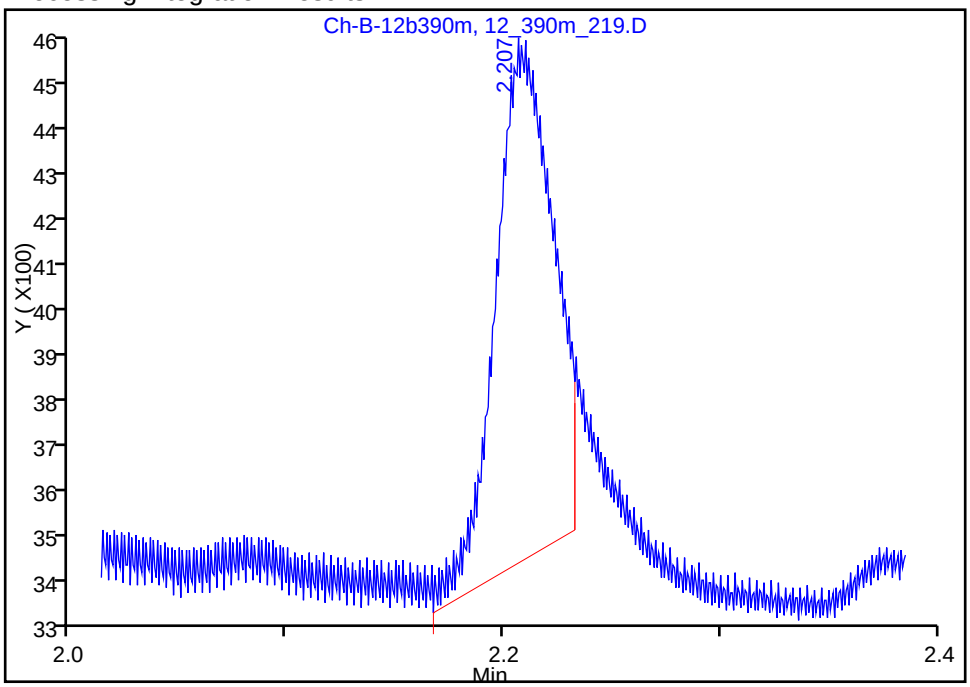
Data File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_219.D				
Injection Date:	11-May-2017 17:22:58	Instrument ID:	HP5890-12		
Lims ID:	IC 2				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 2

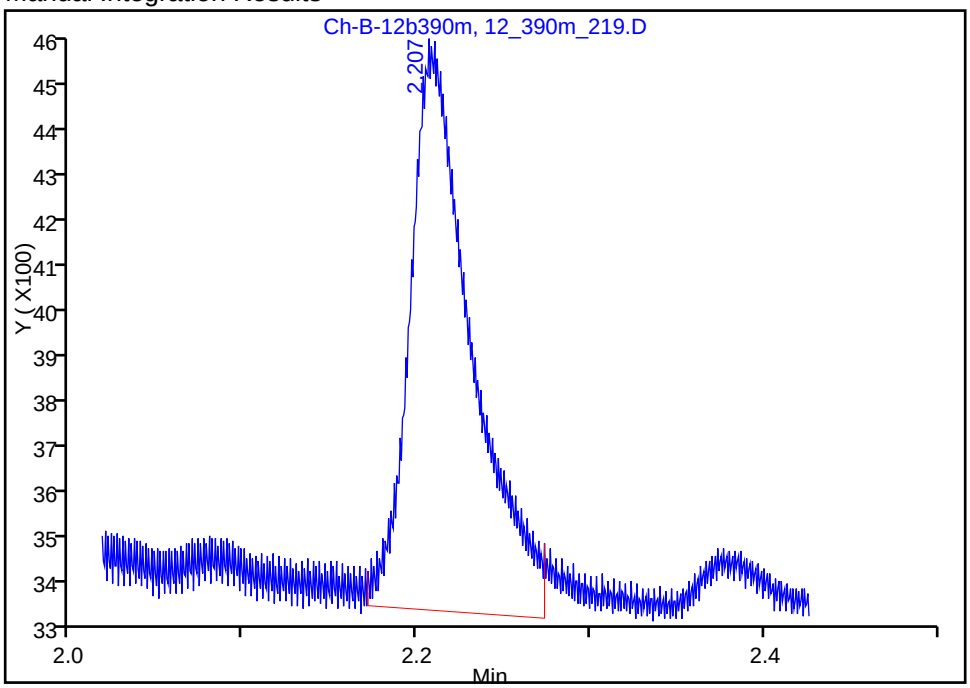
Processing Integration Results

RT: 2.21
Area: 1902
Amount: 0.001370
Amount Units: ng/uL



Manual Integration Results

RT: 2.21
Area: 2787
Amount: 0.001484
Amount Units: ng/uL



Reviewer: owenj, 12-May-2017 15:36:46

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

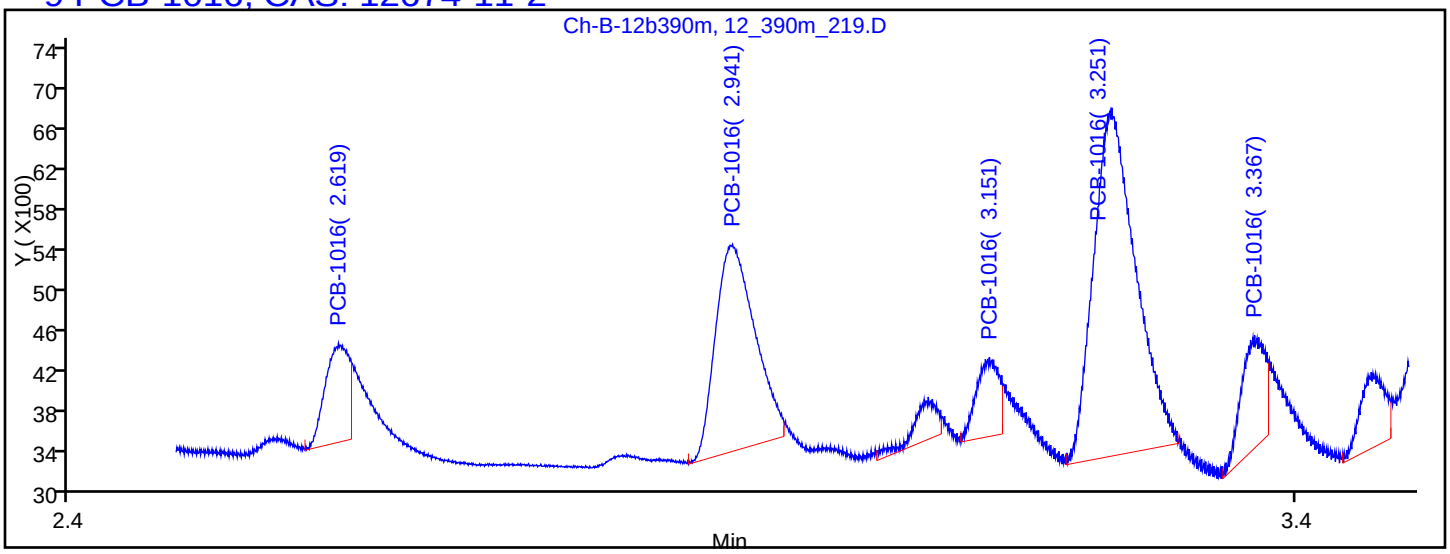
Report Date: 15-May-2017 13:51:06 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_219.D

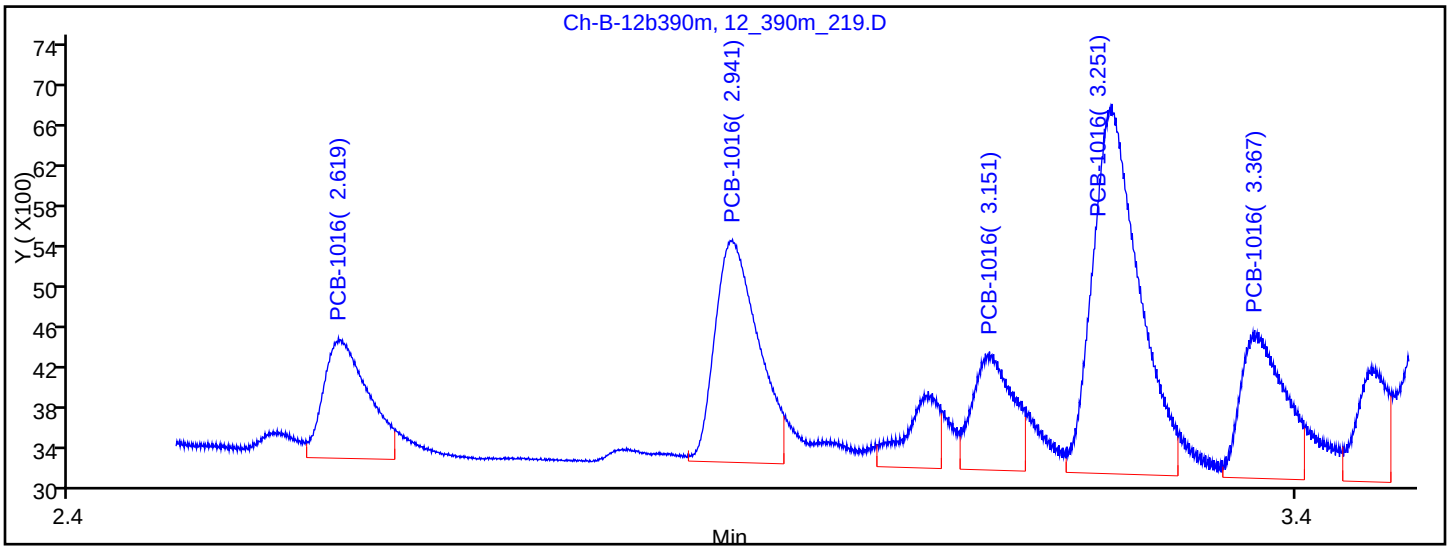
Injection Date:	11-May-2017 17:22:58	Instrument ID:	HP5890-12		
Lims ID:	IC 2				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.619	Response = 1274
2.941	Response = 4484
3.151	Response = 970
3.251	Response = 8011
3.367	Response = 1461



Manual Integration Results

2.619	Response = 2939	M
2.941	Response = 5317	M
3.151	Response = 2551	M
3.251	Response = 9406	M
3.367	Response = 3531	M

Reviewer: owenj, 12-May-2017 15:36:23

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

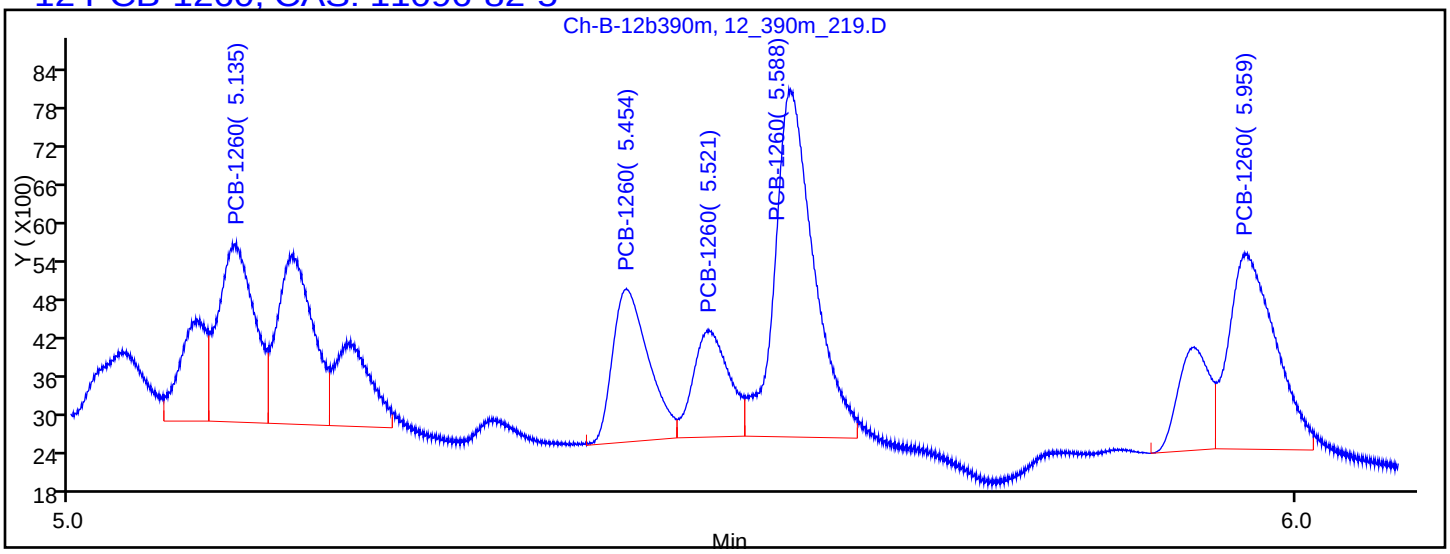
Report Date: 15-May-2017 13:51:06 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_219.D

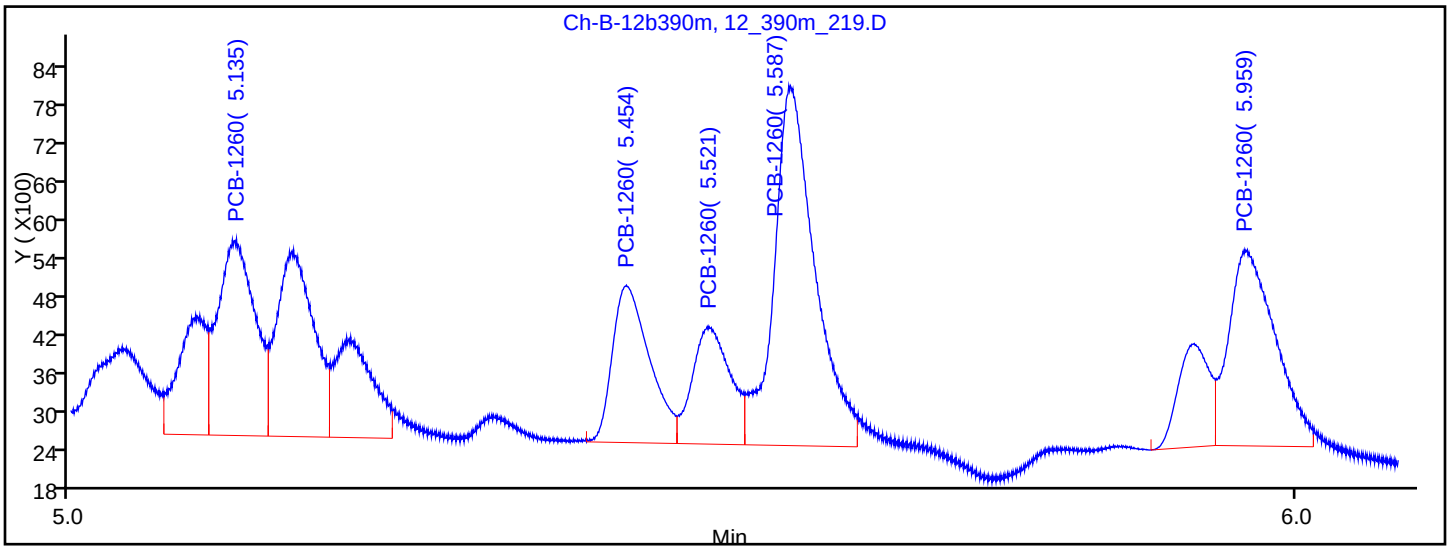
Injection Date:	11-May-2017 17:22:58	Instrument ID:	HP5890-12		
Lims ID:	IC 2				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

5.135	Response = 5760
5.454	Response = 4916
5.521	Response = 3433
5.588	Response = 12143
5.959	Response = 8176



Manual Integration Results

5.135	Response = 6524	M
5.454	Response = 5220	M
5.521	Response = 3975	M
5.587	Response = 13176	M
5.959	Response = 8176	

Reviewer: owenj, 12-May-2017 15:36:27

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_220.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 11-May-2017 18:19:55 ALS Bottle#: 0 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:51:08 Calib Date: 12-May-2017 17:50:21
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_240.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 11-May-2017 19:09:57

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.321	1.321	0.000	1258044	0.5000	0.5000	
2	1.618	1.618	0.000	1118954	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.924	1.924	0.000	962	0.000500	0.000555	M
2	2.210	2.210	0.000	926	0.000500	0.000544	M
						RPD = 2.01	
9 PCB-1016							M
1	2.133	2.133	0.000	1232	0.0200	0.0180	M
1	2.515	2.515	0.000	1234	0.0200	0.0169	M
1	2.691	2.691	0.000	4764	0.0200	0.0192	M
1	2.767	2.767	0.000	2976	0.0200	0.0183	M
1	2.817	2.817	0.000	1510	0.0200	0.0186	M
		Average of Peak Amounts =				0.0182	
2	2.621	2.621	0.000	1614	0.0200	0.0188	M
2	2.943	2.943	0.000	2462	0.0200	0.0165	M
2	3.155	3.155	0.000	1211	0.0200	0.0228	M
2	3.254	3.254	0.000	4242	0.0200	0.0200	M
2	3.371	3.371	0.000	1657	0.0200	0.0221	M
		Average of Peak Amounts =				0.0200	
						RPD = 9.65	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.204	4.204	0.000	5364	0.0200	0.0156	M
1	4.420	4.420	0.000	5599	0.0200	0.0198	M
1	4.547	4.547	0.000	1941	0.0200	0.0176	M
1	4.730	4.730	0.000	1257	0.0200	0.0169	M
1	5.163	5.163	0.000	4207	0.0200	0.0251	M
		Average of Peak Amounts =				0.0190	
2	5.139	5.139	0.000	2420	0.0200	0.0161	M
2	5.459	5.459	0.000	2743	0.0200	0.0193	M
2	5.528	5.528	0.000	1920	0.0200	0.0184	M
2	5.595	5.595	0.000	5759	0.0200	0.0181	M
2	5.967	5.967	0.000	3556	0.0200	0.0200	M
		Average of Peak Amounts =				0.0184	
						RPD = 3.25	
$ 15 DCB Decachlorobiphenyl							M
1	6.208	6.208	0.000	1677	0.000500	0.000508	M
2	7.261	7.261	0.000	1769	0.000500	0.000496	M
						RPD = 2.33	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is.02_00005 Amount Added: 1.00 Units: mL

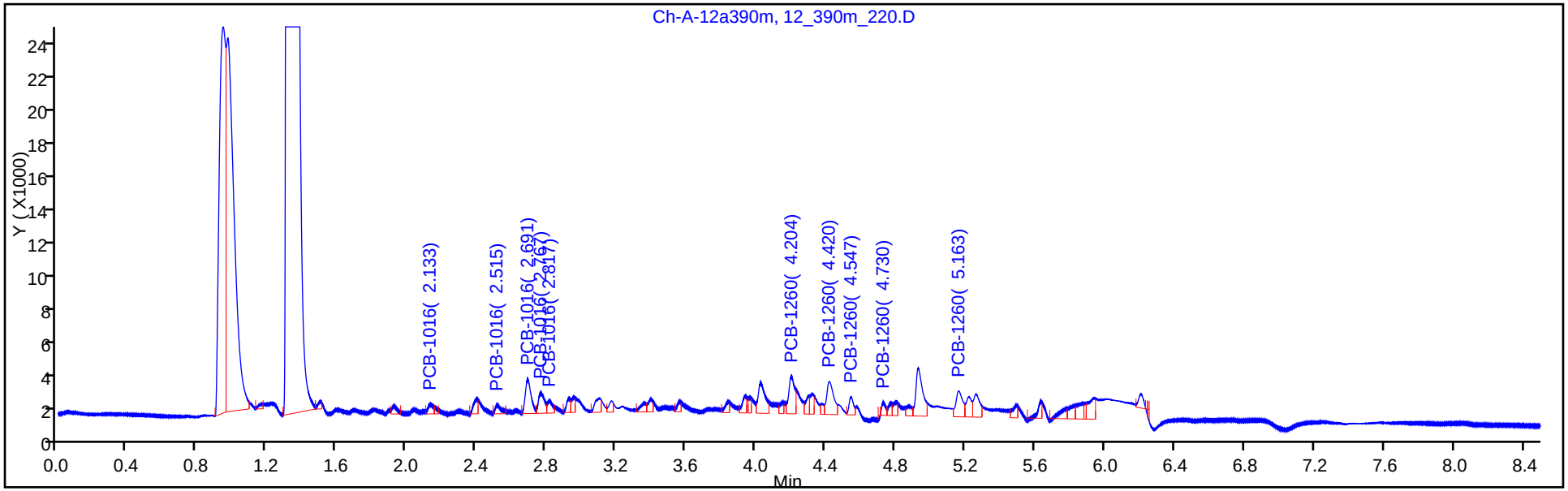
Report Date: 15-May-2017 13:51:09 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

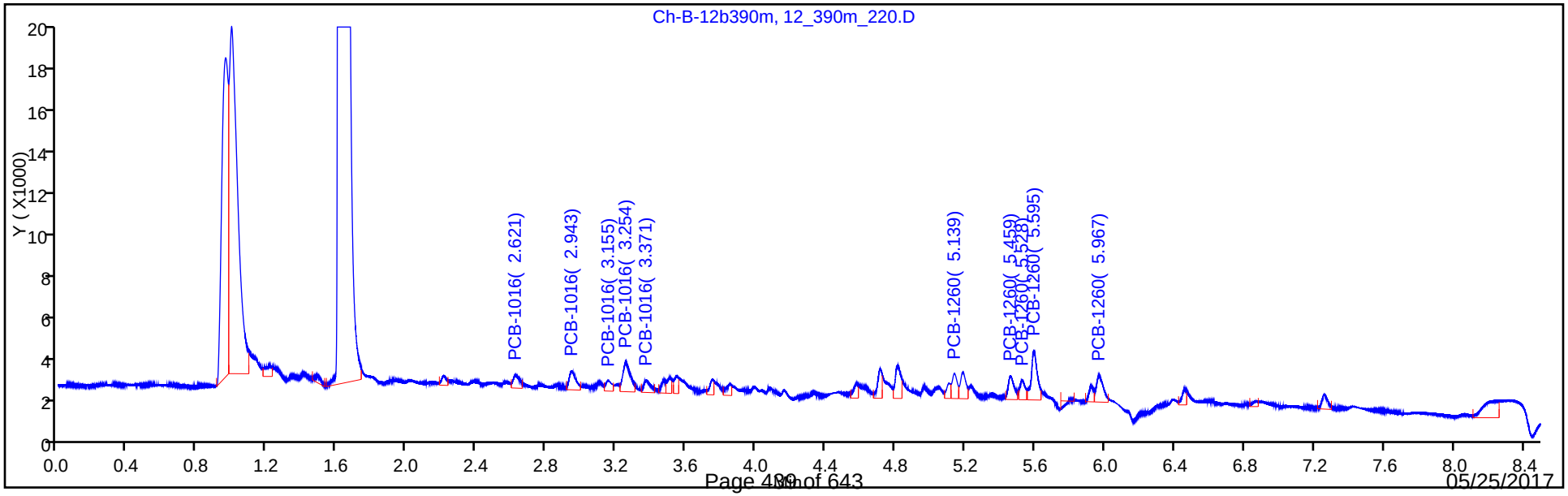
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Injection Date:	11-May-2017 18:19:55	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 1			Worklist Smp#:	23
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

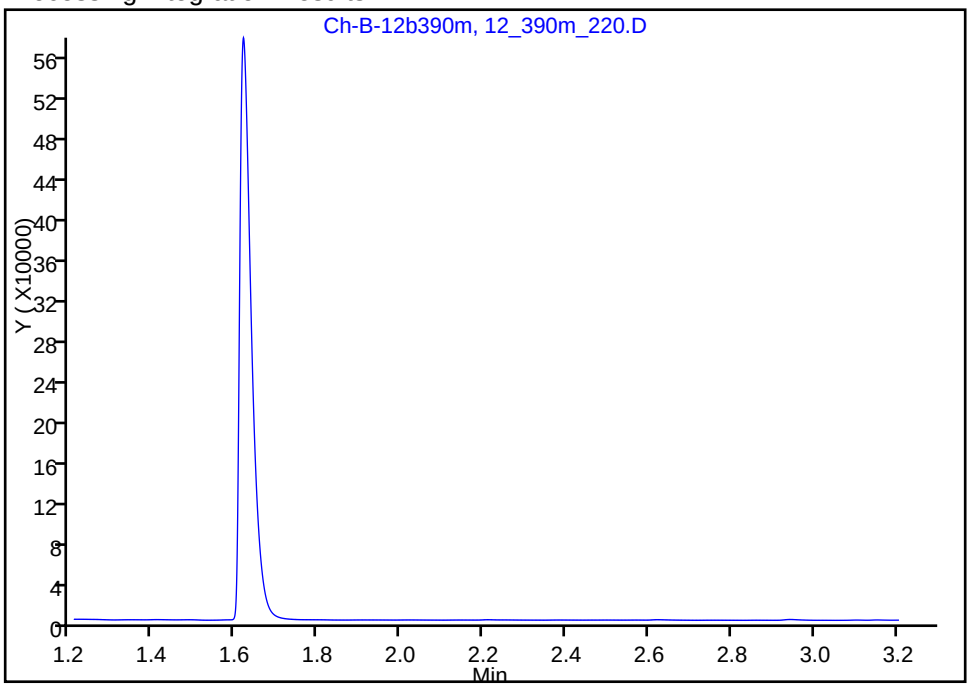
Data File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_220.D				
Injection Date:	11-May-2017 18:19:55	Instrument ID:	HP5890-12		
Lims ID:	IC 1				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 2

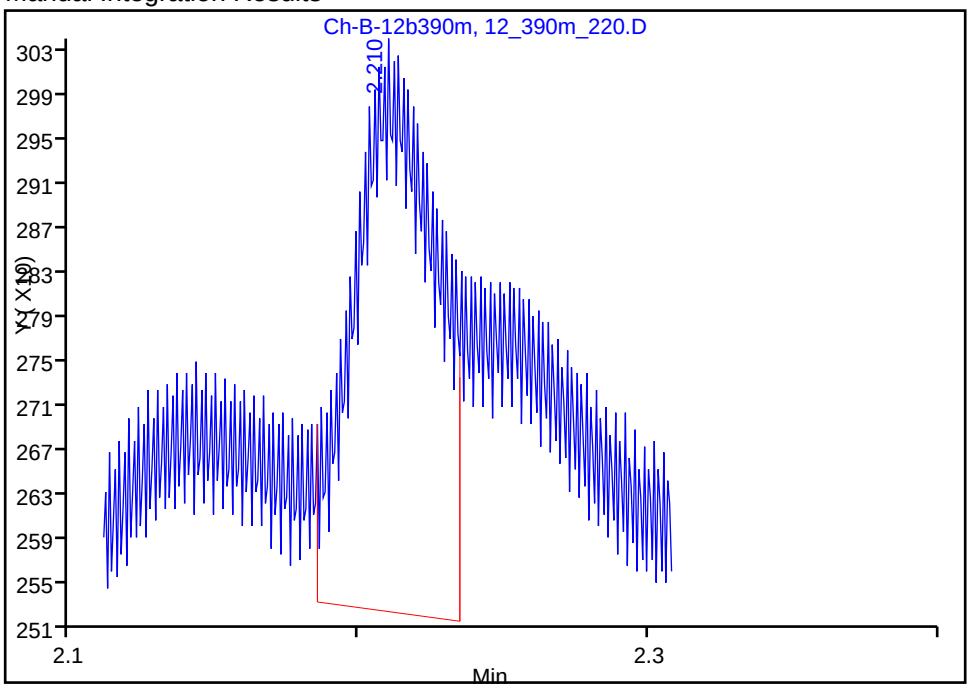
Processing Integration Results

RT: 2.21
Area: 0
Amount: 0.000460
Amount Units: ng/uL



Manual Integration Results

RT: 2.21
Area: 926
Amount: 0.000544
Amount Units: ng/uL



Reviewer: owenj, 12-May-2017 15:51:55

Audit Action: Assigned New Baseline Audit Reason: Split Peak

Report Date: 15-May-2017 13:51:09 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_220.D

Injection Date: 11-May-2017 18:19:55 Instrument ID: HP5890-12

Lims ID: IC 1

Client ID:

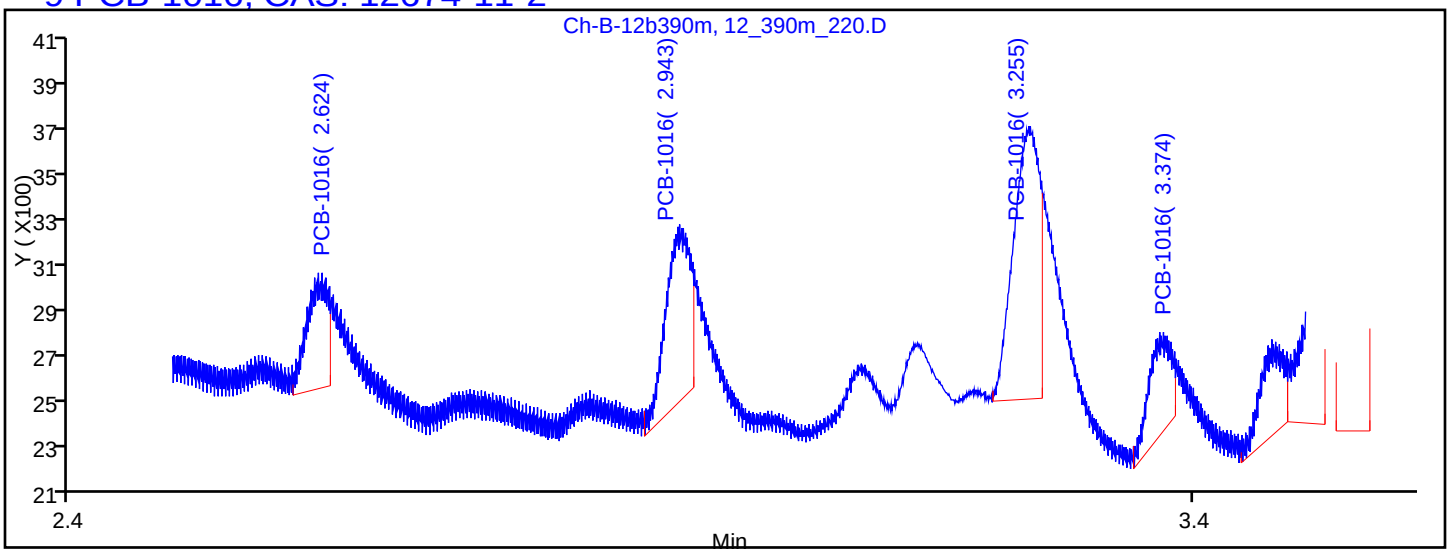
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 23

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

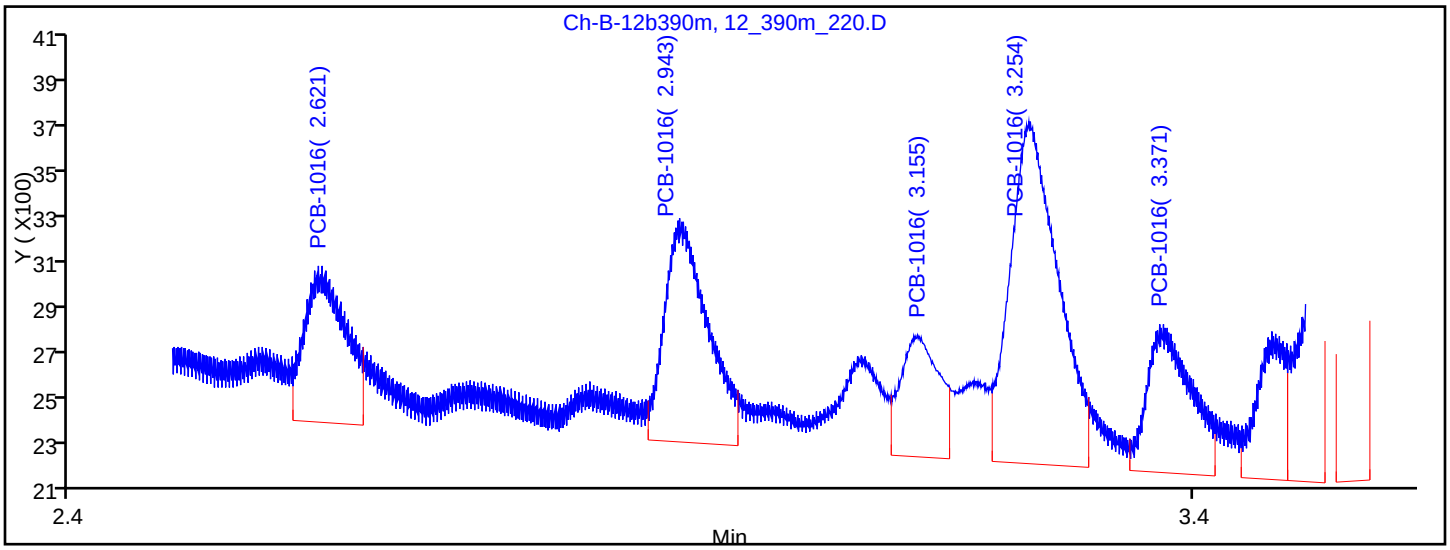
Column: Detector Ch-B-7b136

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.624	Response = 588
2.943	Response = 1090
3.155	Response = 0
3.255	Response = 1794
3.374	Response = 564



Manual Integration Results

2.621	Response = 1614	M
2.943	Response = 2462	M
3.155	Response = 1211	M
3.254	Response = 4242	M
3.371	Response = 1657	M

Reviewer: owenj, 12-May-2017 15:39:32

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 15-May-2017 13:51:10 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_220.D

Injection Date: 11-May-2017 18:19:55 Instrument ID: HP5890-12

Lims ID: IC 1

Client ID:

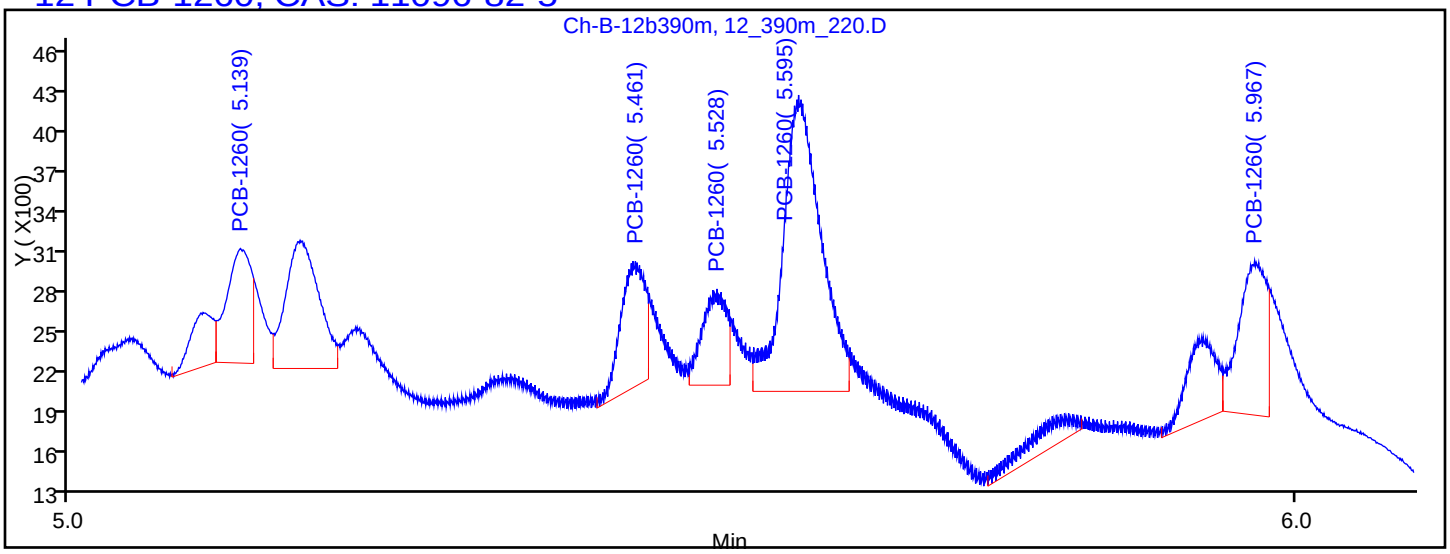
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 23

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

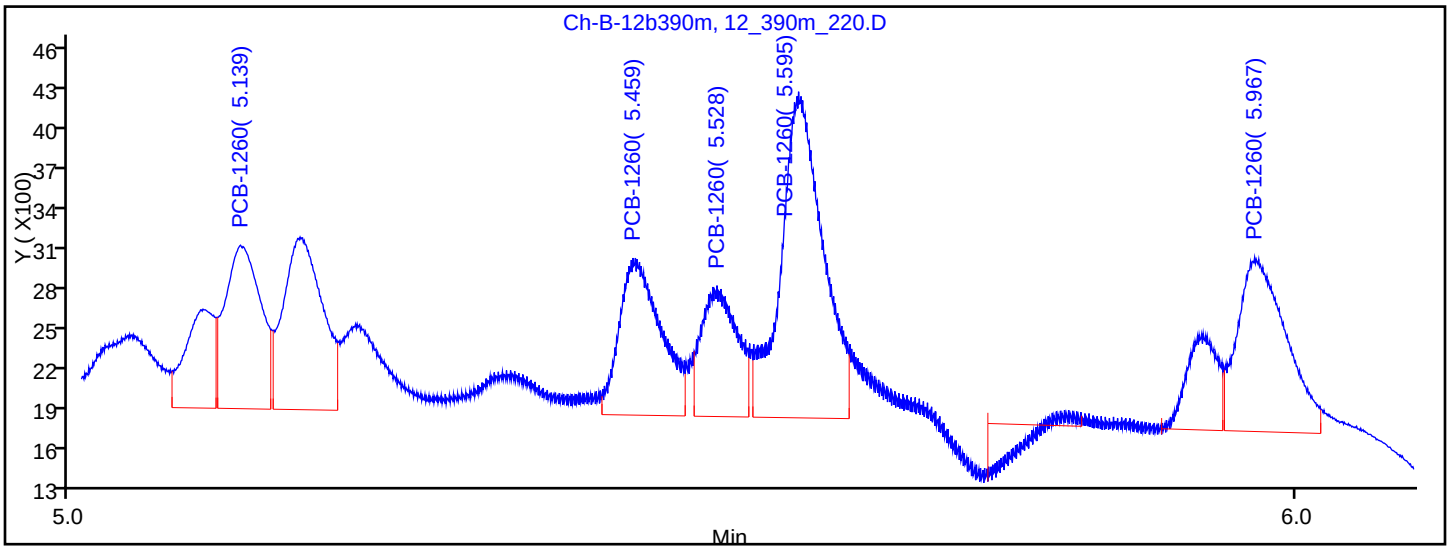
Column: Detector Ch-B-7b136

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

5.139	Response = 1157
5.461	Response = 1288
5.528	Response = 956
5.595	Response = 4714
5.967	Response = 1807



Manual Integration Results

5.139	Response = 2420	M
5.459	Response = 2743	M
5.528	Response = 1920	M
5.595	Response = 5759	M
5.967	Response = 3556	M

Reviewer: owenj, 12-May-2017 15:38:24

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

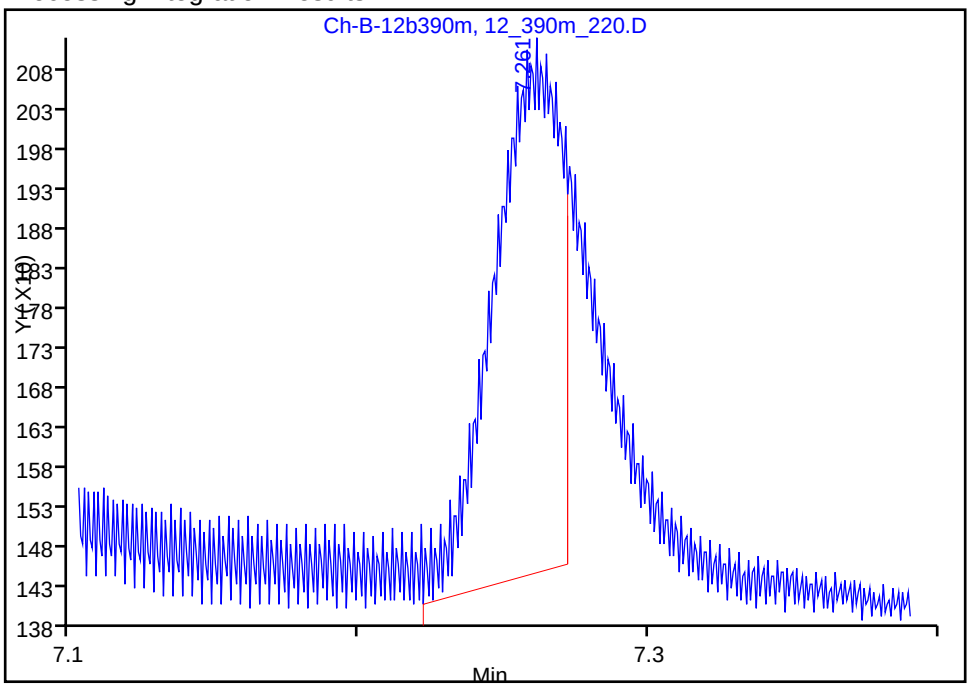
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Injection Date: 11-May-2017 18:19:55 Instrument ID: HP5890-12
Lims ID: IC 1
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-B-7b136

$ 15 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 2

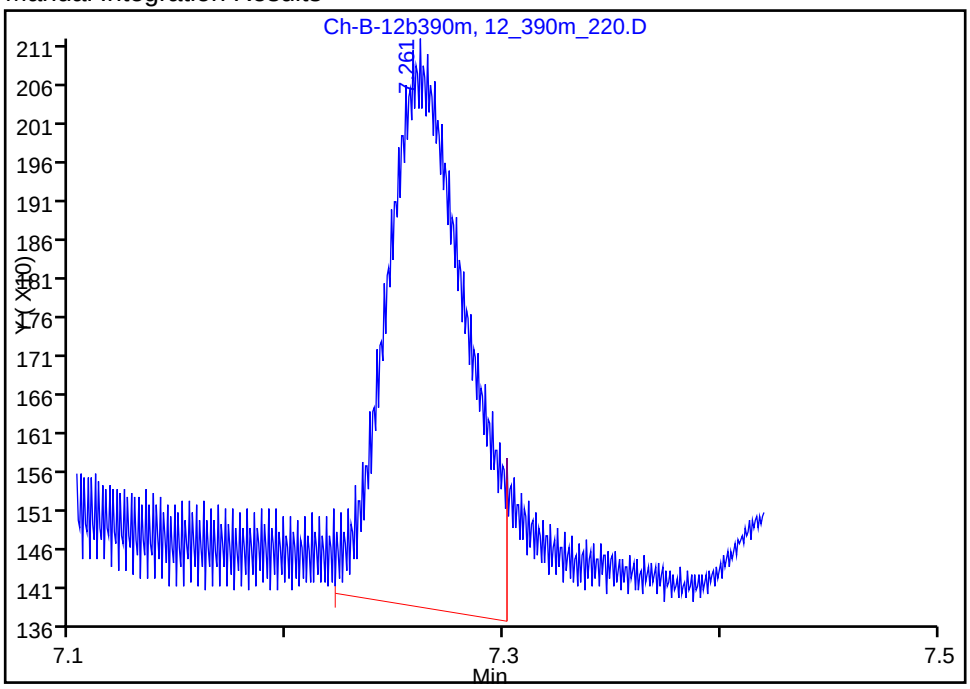
Processing Integration Results

RT: 7.26
Area: 1038
Amount: 0.000404
Amount Units: ng/uL



Manual Integration Results

RT: 7.26
Area: 1769
Amount: 0.000496
Amount Units: ng/uL



Reviewer: owenj, 12-May-2017 15:38:53
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1 Analy Batch No.: 356902

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/11/2017 19:52 Calibration End Date: 05/11/2017 20:22 Calibration ID: 30521

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-356902/31	12_390m_228.D
Level 2	IC 480-356902/30	12_390m_227.D
Level 3	IC 480-356902/29	12_390m_226.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3				B	M1	M2								
PCB-1221 Peak 1	0.0210	0.0135	0.0120			Lin1	0.0002	0.0122							0.9980		0.9900
PCB-1221 Peak 2	0.0223	0.0126	0.0127			Lin1	0.0002	0.0125							1.0000		0.9900
PCB-1221 Peak 3	0.0507	0.0416	0.0386			Lin1	0.0003	0.0390							0.9990		0.9900
PCB-1254 Peak 1	0.0991	0.0666	0.0617			Lin1	0.0008	0.0620							0.9990		0.9900
PCB-1254 Peak 2	0.1051	0.0853	0.0862			Lin1	0.0004	0.0857							1.0000		0.9900
PCB-1254 Peak 3	0.1322	0.0947	0.0894			Lin1	0.0009	0.0897							1.0000		0.9900
PCB-1254 Peak 4	0.0834	0.0564	0.0575			Lin1	0.0005	0.0569							1.0000		0.9900
PCB-1254 Peak 5	0.0761	0.0793	0.0781			Lin1	0	0.0784							1.0000		0.9900

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1 Analy Batch No.: 356902

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/11/2017 19:52 Calibration End Date: 05/11/2017 20:22 Calibration ID: 30521

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-356902/31	12_390m_228.D
Level 2	IC 480-356902/30	12_390m_227.D
Level 3	IC 480-356902/29	12_390m_226.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
PCB-1221 Peak 1	BNB	Lin1	1022	16831	55573			0.0200	0.500	2.00		
PCB-1221 Peak 2	BNB	Lin1	1081	15651	58748			0.0200	0.500	2.00		
PCB-1221 Peak 3	BNB	Lin1	2461	51774	178163			0.0200	0.500	2.00		
PCB-1254 Peak 1	BNB	Lin1	4811	83041	284917			0.0200	0.500	2.00		
PCB-1254 Peak 2	BNB	Lin1	5104	106312	398033			0.0200	0.500	2.00		
PCB-1254 Peak 3	BNB	Lin1	6422	117963	412789			0.0200	0.500	2.00		
PCB-1254 Peak 4	BNB	Lin1	4049	70258	265326			0.0200	0.500	2.00		
PCB-1254 Peak 5	BNB	Lin1	3695	98825	360625			0.0200	0.500	2.00		

Curve Type Legend:
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_226.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 11-May-2017 19:52:03 ALS Bottle#: 0 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub2

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 12-May-2017 16:48:44 Calib Date: 11-May-2017 21:24:09
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_232.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK011

First Level Reviewer: owenj Date: 12-May-2017 16:43:43

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.319	1.319	0.000	1154315	0.5000	0.5000	
2	1.616	1.616	0.000	1033084	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1221							
1	1.607	1.609	-0.002	55573	2.00	1.96	
1	2.024	2.024	0.000	58748	2.00	2.01	
1	2.118	2.123	-0.005	178163	2.00	1.97	
		Average of Peak Amounts =				1.98	
2	1.944	1.947	-0.003	40141	2.00	2.01	
2	2.457	2.459	-0.002	48611	2.00	2.05	
2	2.611	2.617	-0.006	118715	2.00	1.98	
		Average of Peak Amounts =				2.01	
						RPD = 1.45	
11 PCB-1254							
1	3.541	3.547	-0.006	284917	2.00	1.98	
1	3.823	3.827	-0.004	398033	2.00	2.01	
1	4.013	4.017	-0.004	412789	2.00	1.98	
1	4.222	4.223	-0.001	265326	2.00	2.01	
1	4.399	4.403	-0.004	360625	2.00	1.99	
		Average of Peak Amounts =				1.99	
2	4.149	4.153	-0.004	211085	2.00	1.99	
2	4.461	4.464	-0.003	144493	2.00	2.03	
2	4.549	4.554	-0.005	324727	2.00	1.97	
2	4.675	4.693	-0.018	342129	2.00	1.99	
2	5.125	5.129	-0.004	241100	2.00	2.03	
		Average of Peak Amounts =				2.00	
						RPD = 0.40	

Reagents:

21-54w/IS@2.0_00006 Amount Added: 1.00 Units: mL

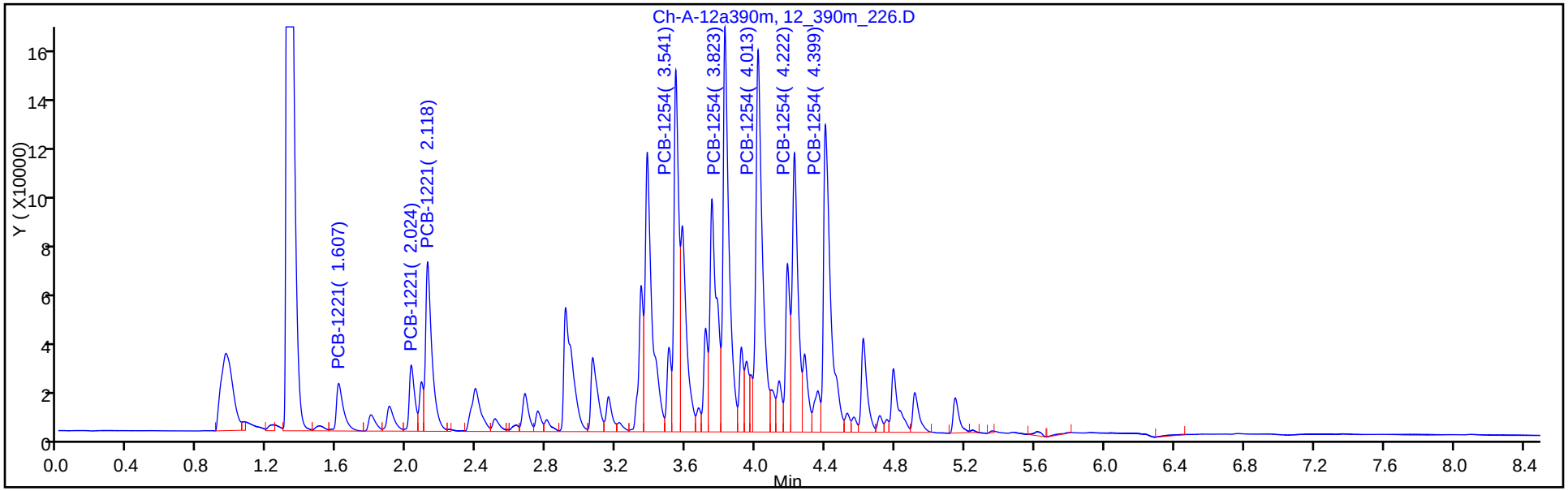
Report Date: 12-May-2017 16:48:45 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

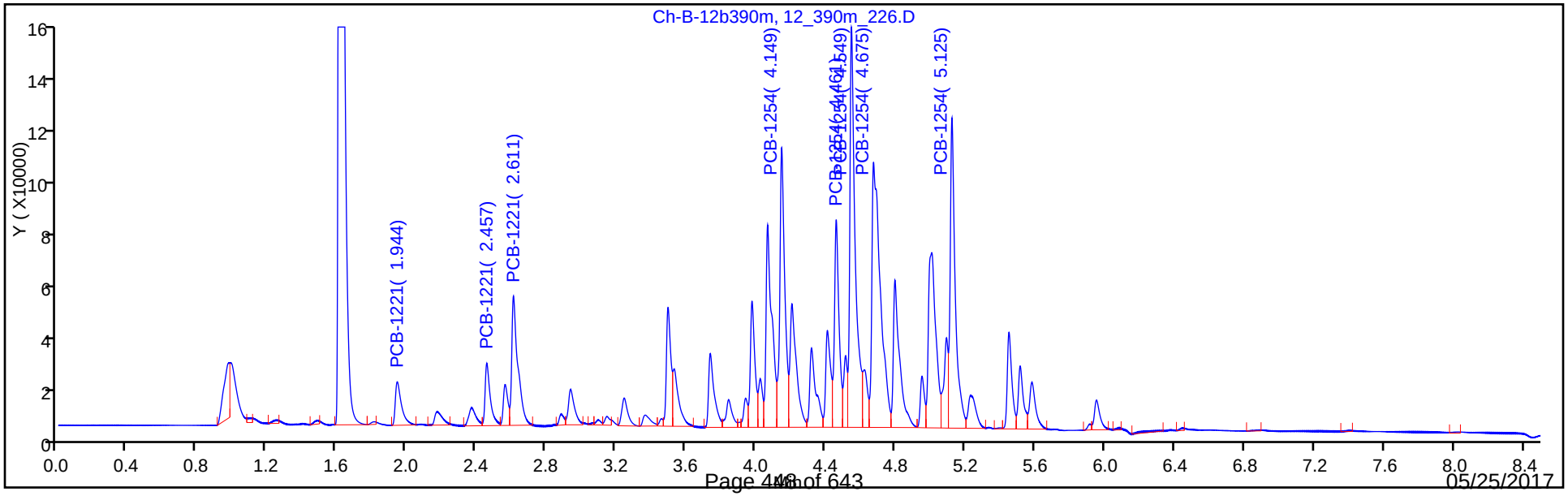
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_226.D

Injection Date:	11-May-2017 19:52:03	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	29
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_227.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 11-May-2017 20:07:24 ALS Bottle#: 0 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub2

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 12-May-2017 16:48:49 Calib Date: 11-May-2017 21:24:09
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_232.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK011

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.318	1.319	-0.001	1245976	0.5000	0.5000	
2	1.615	1.616	-0.001	1104534	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1221							
1	1.609	1.609	0.000	16831	0.5000	0.5392	
1	2.025	2.024	0.001	15651	0.5000	0.4857	
1	2.121	2.123	-0.002	51774	0.5000	0.5265	
		Average of Peak Amounts =				0.5171	
2	1.946	1.947	-0.001	10946	0.5000	0.4928	
2	2.459	2.459	0.000	11784	0.5000	0.4519	
2	2.612	2.617	-0.005	34033	0.5000	0.5172	
		Average of Peak Amounts =				0.4873	
						RPD = 5.94	
11 PCB-1254							
1	3.543	3.547	-0.004	83041	0.5000	0.5244	
1	3.825	3.827	-0.002	106312	0.5000	0.4933	
1	4.015	4.017	-0.002	117963	0.5000	0.5176	
1	4.222	4.223	-0.001	70258	0.5000	0.4870	
1	4.401	4.403	-0.002	98825	0.5000	0.5065	
		Average of Peak Amounts =				0.5057	
2	4.151	4.153	-0.002	57454	0.5000	0.5099	
2	4.463	4.464	-0.001	35305	0.5000	0.4659	
2	4.551	4.554	-0.003	93898	0.5000	0.5330	
2	4.679	4.693	-0.014	94383	0.5000	0.5100	
2	5.127	5.129	-0.002	59585	0.5000	0.4688	
		Average of Peak Amounts =				0.4975	
						RPD = 1.64	

Reagents:

21-54w/IS@0.5_00008 Amount Added: 1.00 Units: mL

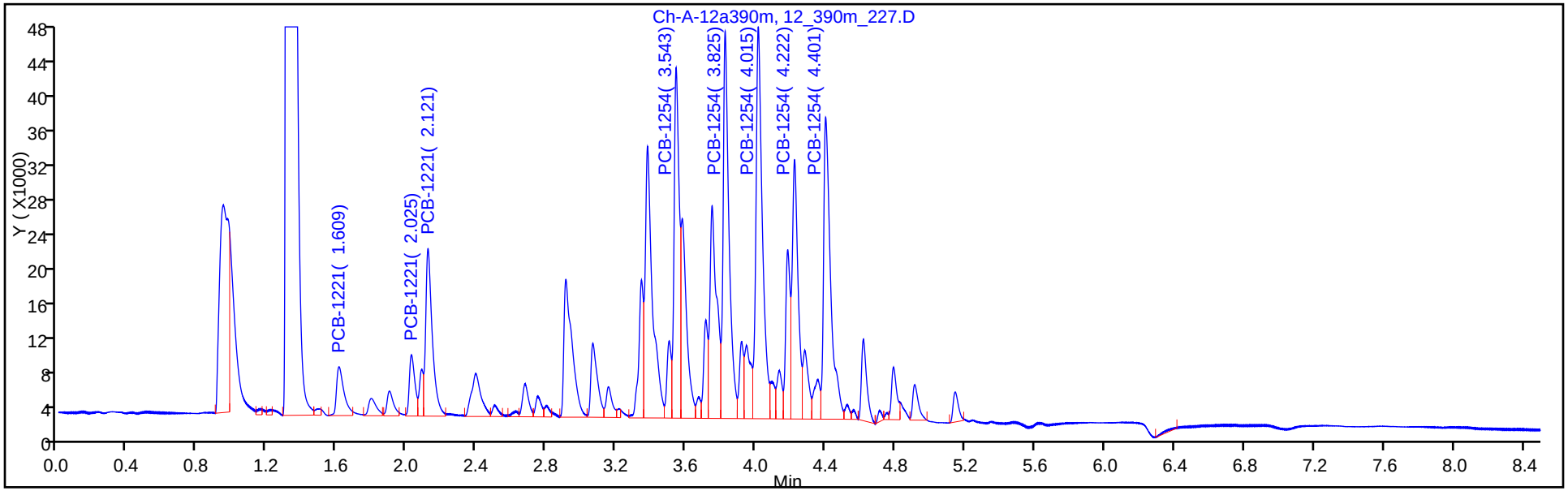
Report Date: 12-May-2017 16:48:49 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

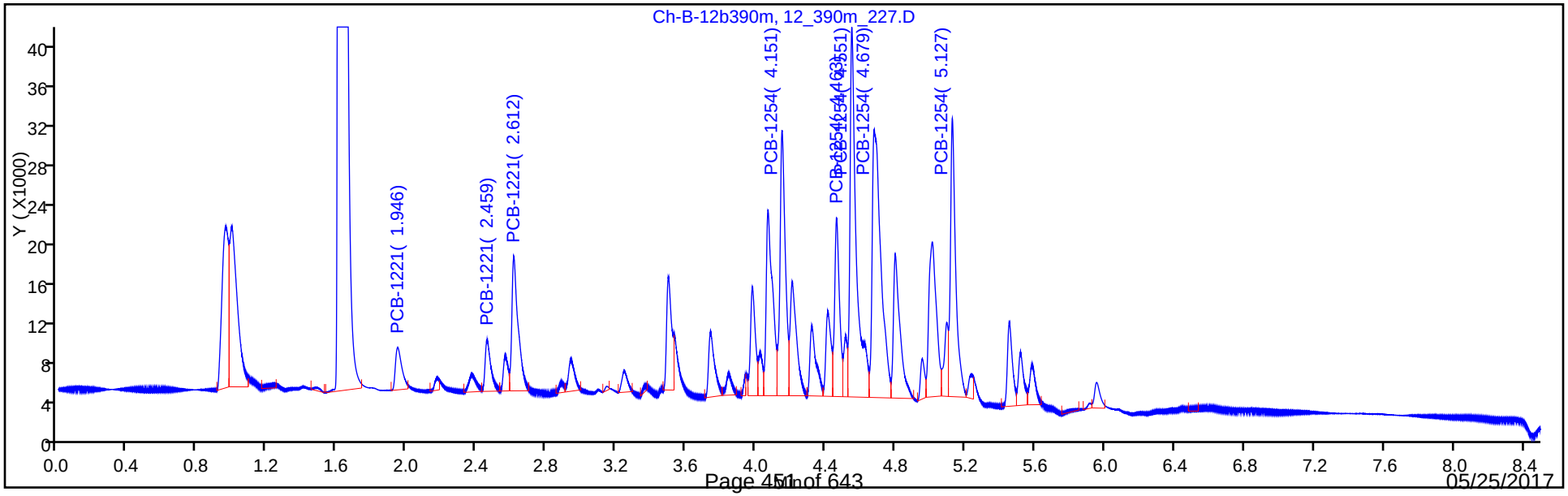
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Injection Date:	11-May-2017 20:07:24	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	30
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_228.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 11-May-2017 20:22:44 ALS Bottle#: 0 Worklist Smp#: 31
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub2

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 12-May-2017 16:48:51 Calib Date: 11-May-2017 21:24:09
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_232.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK011

First Level Reviewer: owenj Date: 12-May-2017 16:42:01

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.319	1.319	0.000	1214193	0.5000	0.5000	
2	1.616	1.616	0.000	1072861	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1221							M
1	1.609	1.609	0.000	1022	0.0200	0.0188	M
1	2.024	2.024	0.000	1081	0.0200	0.0204	M
1	2.123	2.123	0.000	2461	0.0200	0.0192	M
		Average of Peak Amounts =				0.0195	
2	1.947	1.947	0.000	939	0.0200	0.0202	M
2	2.459	2.459	0.000	910	0.0200	0.0215	M
2	2.617	2.617	0.000	2428	0.0200	0.0195	M
		Average of Peak Amounts =				0.0204	
						RPD = 4.54	
11 PCB-1254							M
1	3.547	3.547	0.000	4811	0.0200	0.0193	
1	3.827	3.827	0.000	5104	0.0200	0.0202	
1	4.017	4.017	0.000	6422	0.0200	0.0195	
1	4.223	4.223	0.000	4049	0.0200	0.0204	
1	4.403	4.403	0.000	3695	0.0200	0.0198	
		Average of Peak Amounts =				0.0198	
2	4.153	4.153	0.000	1709	0.0200	0.0197	M
2	4.464	4.464	0.000	1431	0.0200	0.0210	M
2	4.554	4.554	0.000	3083	0.0200	0.0190	M
2	4.693	4.693	0.000	4358	0.0200	0.0197	M
2	5.129	5.129	0.000	2655	0.0200	0.0209	M
		Average of Peak Amounts =				0.0201	
						RPD = 1.25	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

21-54w/IS@.02_00005 Amount Added: 1.00 Units: mL

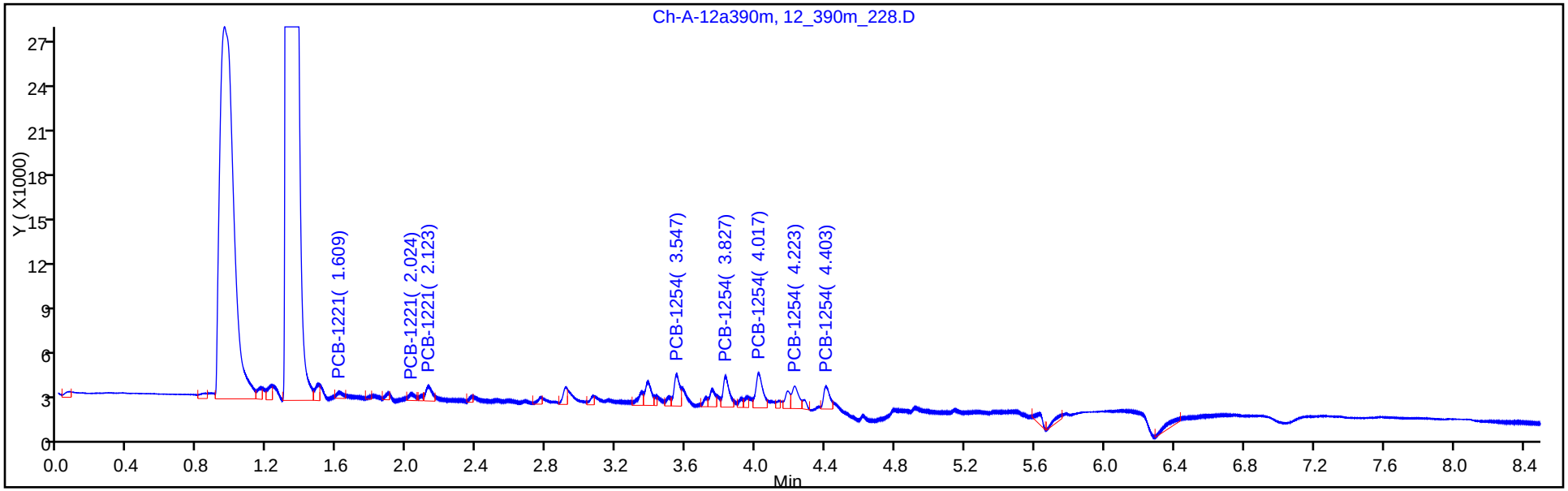
Report Date: 12-May-2017 16:48:52 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

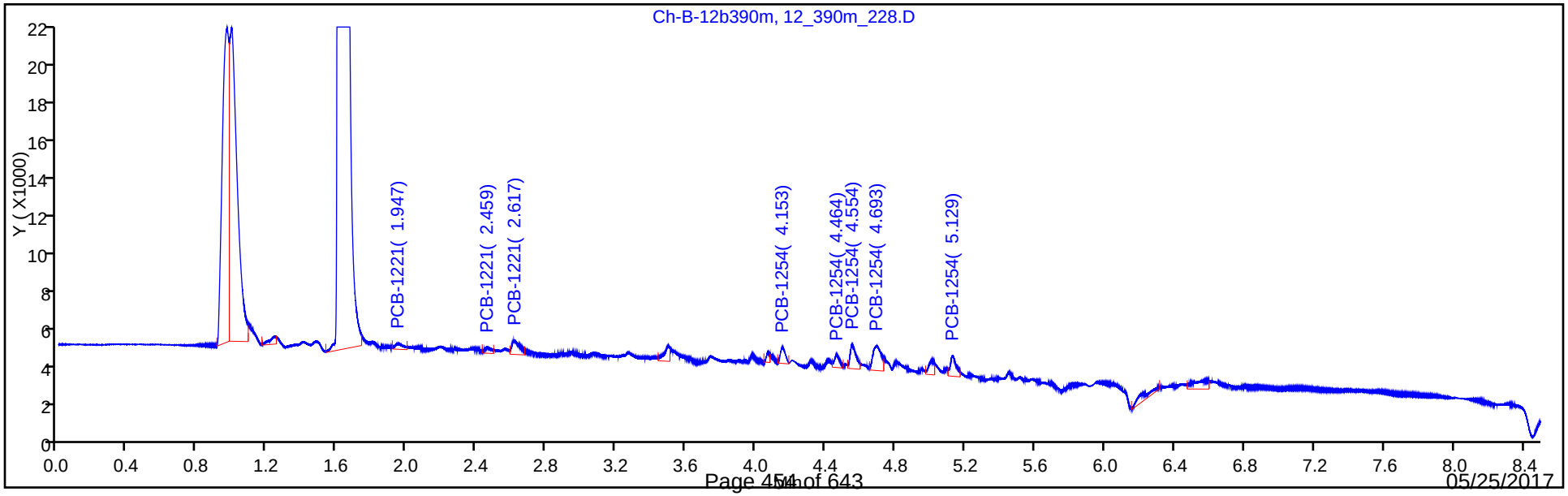
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_228.D

Injection Date:	11-May-2017 20:22:44	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 1			Worklist Smp#:	31
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



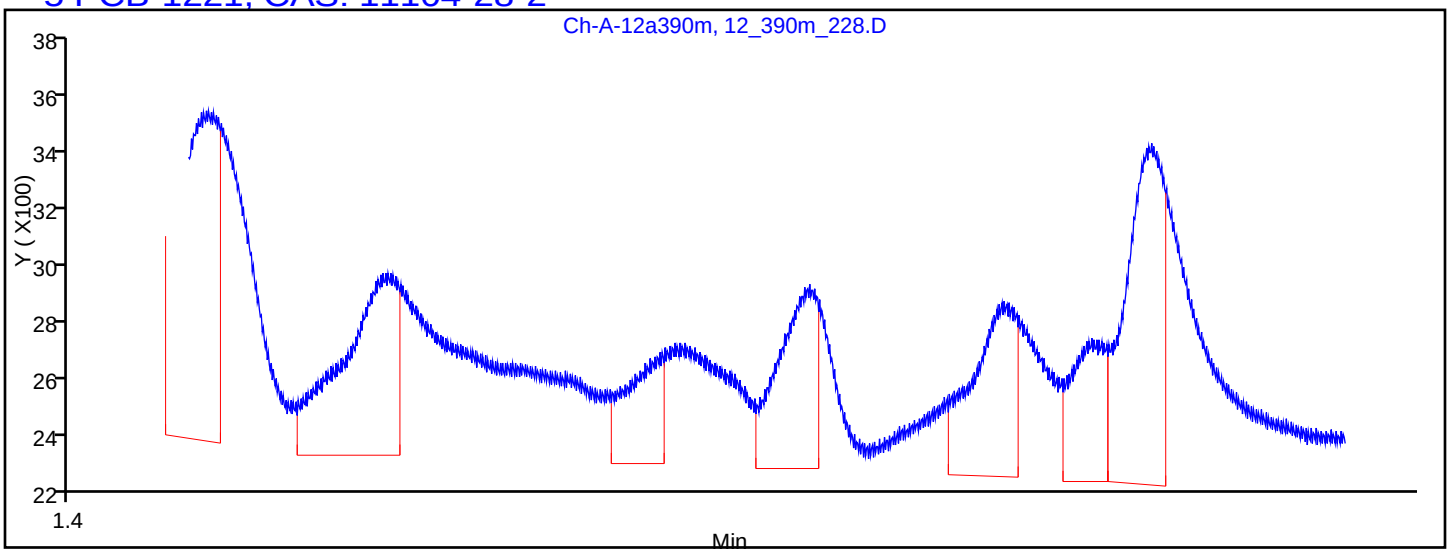
Report Date: 12-May-2017 16:48:52 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

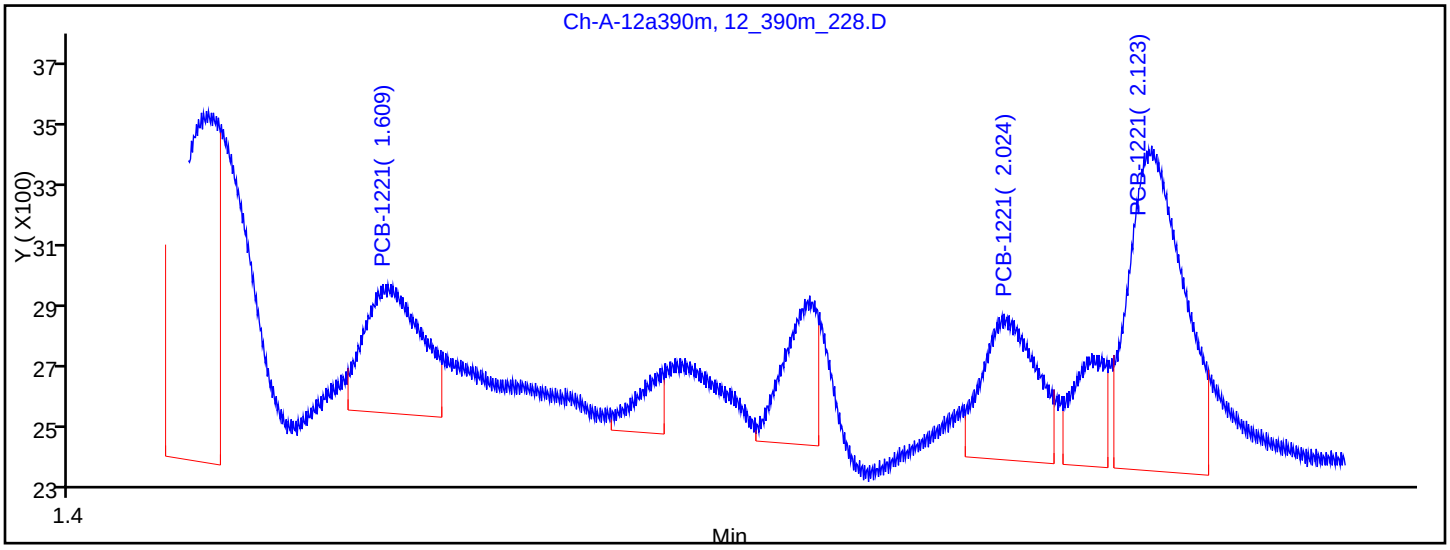
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_228.D

Injection Date:	11-May-2017 20:22:44	Instrument ID:	HP5890-12		
Lims ID:	IC 1				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

5 PCB-1221, CAS: 11104-28-2



Processing Integration Results



Manual Integration Results

1.609	Response = 1022	M
2.024	Response = 1081	M
2.123	Response = 2461	M

Reviewer: owenj, 12-May-2017 16:41:39

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1 Analy Batch No.: 356902

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/11/2017 19:52 Calibration End Date: 05/11/2017 20:22 Calibration ID: 30522

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-356902/31	12_390m_228.D
Level 2	IC 480-356902/30	12_390m_227.D
Level 3	IC 480-356902/29	12_390m_226.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3				B	M1	M2								
PCB-1221 Peak 1	0.0219	0.0099	0.0097			Lin1	0.0002	0.0096							1.0000		0.9900
PCB-1221 Peak 2	0.0212	0.0107	0.0118			Lin1	0.0002	0.0114							0.9980		0.9900
PCB-1221 Peak 3	0.0566	0.0308	0.0287			Lin1	0.0006	0.0287							1.0000		0.9900
PCB-1254 Peak 1	0.0398	0.0520	0.0511			Lin1	0	0.0514							1.0000		0.9900
PCB-1254 Peak 2	0.0333	0.0320	0.0350			Lin1	0	0.0344							0.9990		0.9900
PCB-1254 Peak 3	0.0718	0.0850	0.0786			Lin1	0	0.0799							0.9990		0.9900
PCB-1254 Peak 4	0.1016	0.0855	0.0828			Lin1	0.0004	0.0830							1.0000		0.9900
PCB-1254 Peak 5	0.0619	0.0539	0.0583			Lin1	0	0.0575							0.9990		0.9900

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1 Analy Batch No.: 356902

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/11/2017 19:52 Calibration End Date: 05/11/2017 20:22 Calibration ID: 30522

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-356902/31	12_390m_228.D
Level 2	IC 480-356902/30	12_390m_227.D
Level 3	IC 480-356902/29	12_390m_226.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
PCB-1221 Peak 1	BNB	Lin1	939	10946	40141			0.0200	0.500	2.00		
PCB-1221 Peak 2	BNB	Lin1	910	11784	48611			0.0200	0.500	2.00		
PCB-1221 Peak 3	BNB	Lin1	2428	34033	118715			0.0200	0.500	2.00		
PCB-1254 Peak 1	BNB	Lin1	1709	57454	211085			0.0200	0.500	2.00		
PCB-1254 Peak 2	BNB	Lin1	1431	35305	144493			0.0200	0.500	2.00		
PCB-1254 Peak 3	BNB	Lin1	3083	93898	324727			0.0200	0.500	2.00		
PCB-1254 Peak 4	BNB	Lin1	4358	94383	342129			0.0200	0.500	2.00		
PCB-1254 Peak 5	BNB	Lin1	2655	59585	241100			0.0200	0.500	2.00		

Curve Type Legend:
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_226.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 11-May-2017 19:52:03 ALS Bottle#: 0 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub2

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 12-May-2017 16:48:44 Calib Date: 11-May-2017 21:24:09
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_232.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK011

First Level Reviewer: owenj Date: 12-May-2017 16:43:43

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.319	1.319	0.000	1154315	0.5000	0.5000	
2	1.616	1.616	0.000	1033084	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1221							
1	1.607	1.609	-0.002	55573	2.00	1.96	
1	2.024	2.024	0.000	58748	2.00	2.01	
1	2.118	2.123	-0.005	178163	2.00	1.97	
		Average of Peak Amounts =				1.98	
2	1.944	1.947	-0.003	40141	2.00	2.01	
2	2.457	2.459	-0.002	48611	2.00	2.05	
2	2.611	2.617	-0.006	118715	2.00	1.98	
		Average of Peak Amounts =				2.01	
						RPD = 1.45	
11 PCB-1254							
1	3.541	3.547	-0.006	284917	2.00	1.98	
1	3.823	3.827	-0.004	398033	2.00	2.01	
1	4.013	4.017	-0.004	412789	2.00	1.98	
1	4.222	4.223	-0.001	265326	2.00	2.01	
1	4.399	4.403	-0.004	360625	2.00	1.99	
		Average of Peak Amounts =				1.99	
2	4.149	4.153	-0.004	211085	2.00	1.99	
2	4.461	4.464	-0.003	144493	2.00	2.03	
2	4.549	4.554	-0.005	324727	2.00	1.97	
2	4.675	4.693	-0.018	342129	2.00	1.99	
2	5.125	5.129	-0.004	241100	2.00	2.03	
		Average of Peak Amounts =				2.00	
						RPD = 0.40	

Reagents:

21-54w/IS@2.0_00006 Amount Added: 1.00 Units: mL

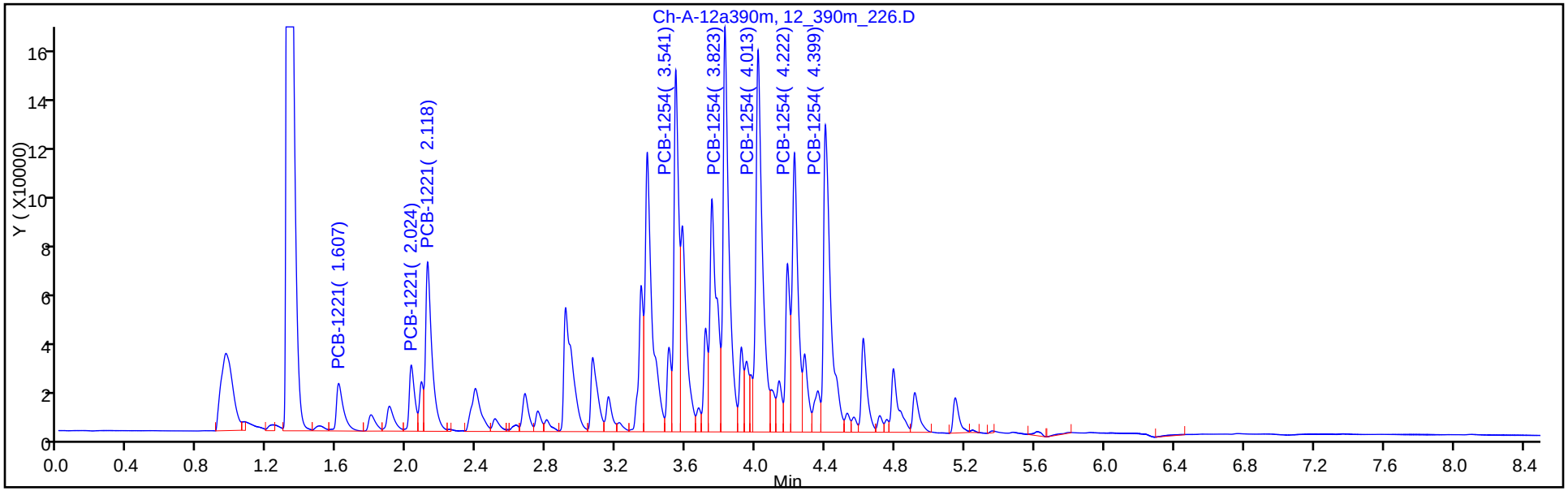
Report Date: 12-May-2017 16:48:45 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

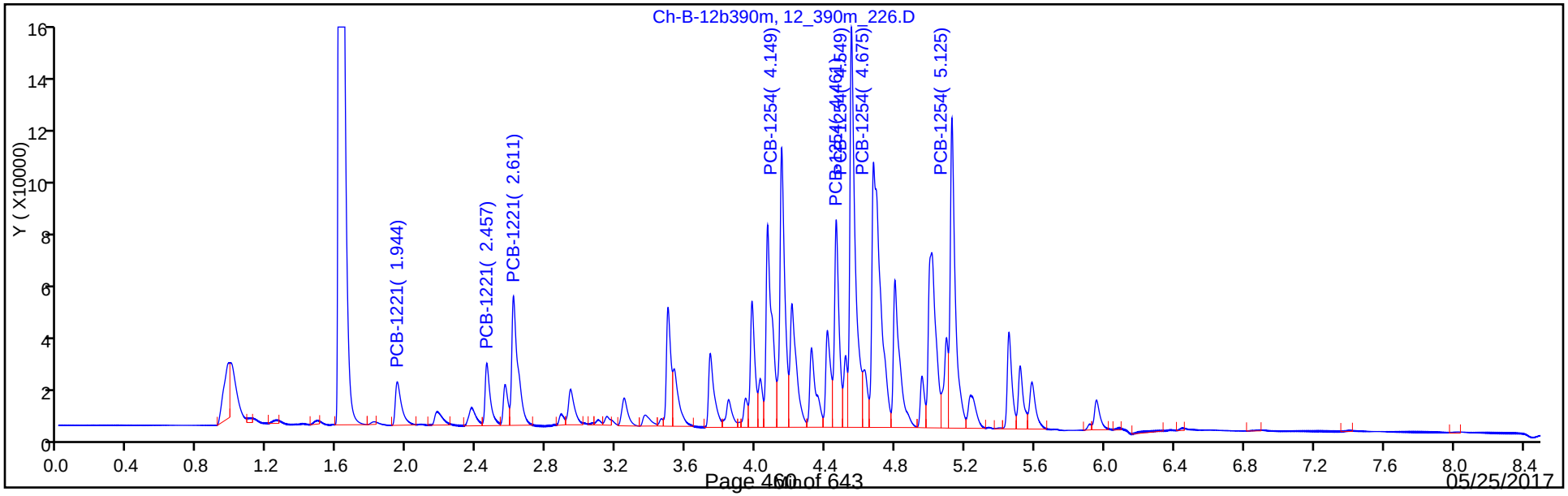
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Injection Date:	11-May-2017 19:52:03	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	29
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_227.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 11-May-2017 20:07:24 ALS Bottle#: 0 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub2

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 12-May-2017 16:48:49 Calib Date: 11-May-2017 21:24:09
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_232.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK011

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.318	1.319	-0.001	1245976	0.5000	0.5000	
2	1.615	1.616	-0.001	1104534	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1221							
1	1.609	1.609	0.000	16831	0.5000	0.5392	
1	2.025	2.024	0.001	15651	0.5000	0.4857	
1	2.121	2.123	-0.002	51774	0.5000	0.5265	
		Average of Peak Amounts =				0.5171	
2	1.946	1.947	-0.001	10946	0.5000	0.4928	
2	2.459	2.459	0.000	11784	0.5000	0.4519	
2	2.612	2.617	-0.005	34033	0.5000	0.5172	
		Average of Peak Amounts =				0.4873	
						RPD = 5.94	
11 PCB-1254							
1	3.543	3.547	-0.004	83041	0.5000	0.5244	
1	3.825	3.827	-0.002	106312	0.5000	0.4933	
1	4.015	4.017	-0.002	117963	0.5000	0.5176	
1	4.222	4.223	-0.001	70258	0.5000	0.4870	
1	4.401	4.403	-0.002	98825	0.5000	0.5065	
		Average of Peak Amounts =				0.5057	
2	4.151	4.153	-0.002	57454	0.5000	0.5099	
2	4.463	4.464	-0.001	35305	0.5000	0.4659	
2	4.551	4.554	-0.003	93898	0.5000	0.5330	
2	4.679	4.693	-0.014	94383	0.5000	0.5100	
2	5.127	5.129	-0.002	59585	0.5000	0.4688	
		Average of Peak Amounts =				0.4975	
						RPD = 1.64	

Reagents:

21-54w/IS@0.5_00008 Amount Added: 1.00 Units: mL

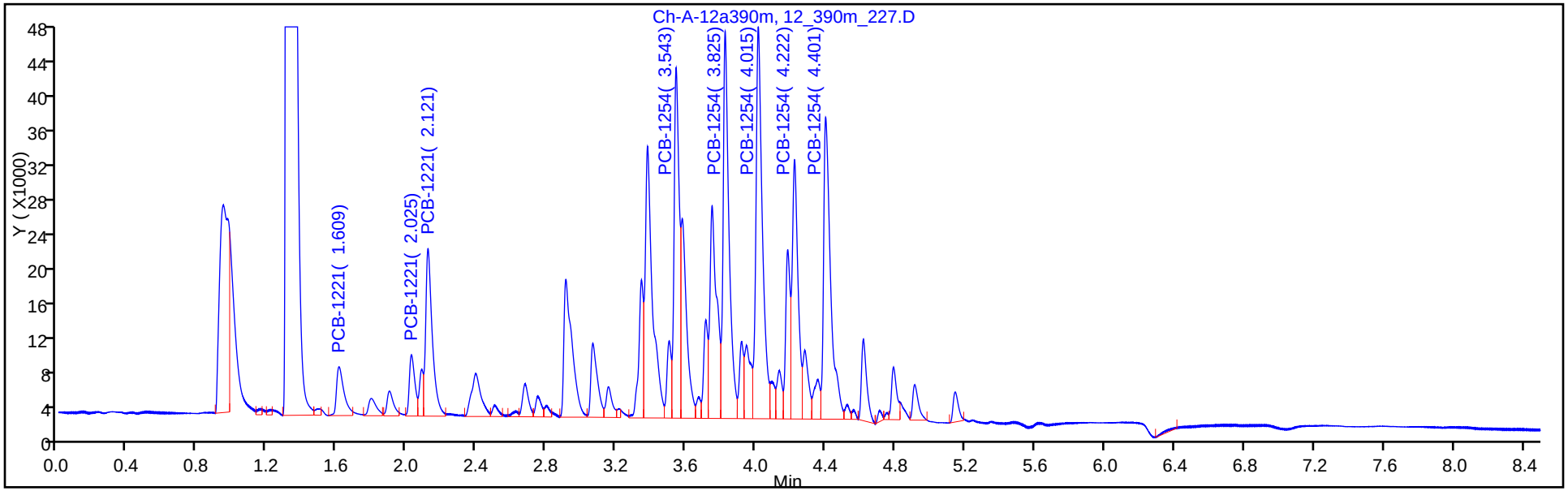
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TestAmerica Buffalo

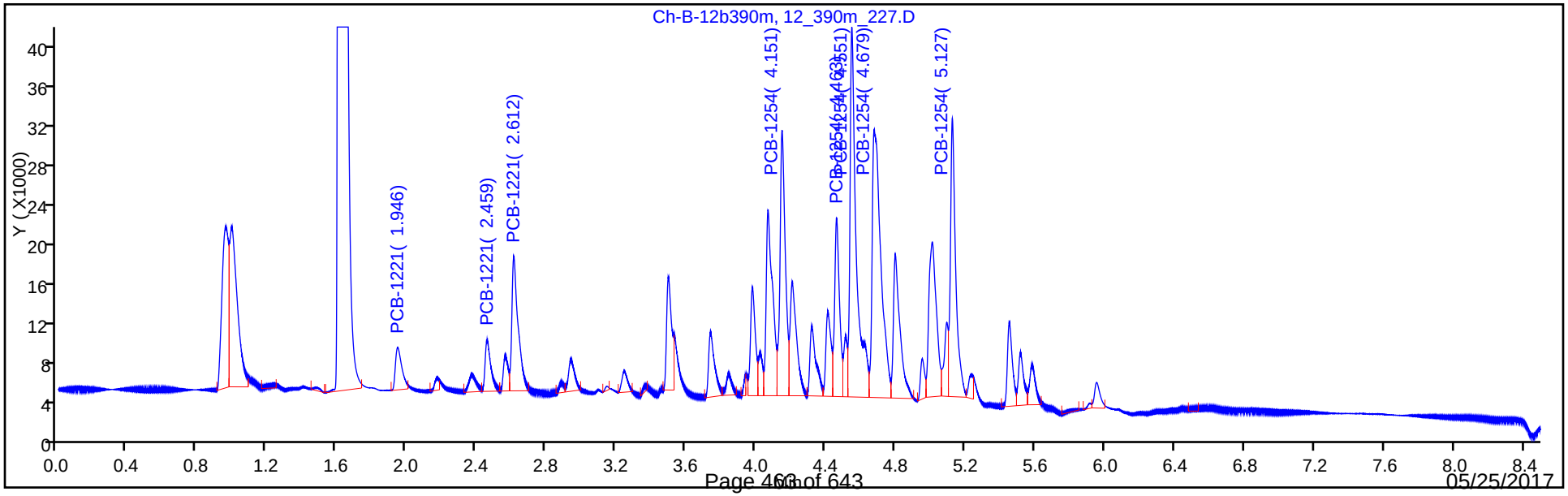
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Injection Date:	11-May-2017 20:07:24	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	30
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_228.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 11-May-2017 20:22:44 ALS Bottle#: 0 Worklist Smp#: 31
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub2

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 12-May-2017 16:48:51 Calib Date: 11-May-2017 21:24:09
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_232.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK011

First Level Reviewer: owenj Date: 12-May-2017 16:42:01

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.319	1.319	0.000	1214193	0.5000	0.5000	
2	1.616	1.616	0.000	1072861	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1221							M
1	1.609	1.609	0.000	1022	0.0200	0.0188	M
1	2.024	2.024	0.000	1081	0.0200	0.0204	M
1	2.123	2.123	0.000	2461	0.0200	0.0192	M
		Average of Peak Amounts =				0.0195	
2	1.947	1.947	0.000	939	0.0200	0.0202	M
2	2.459	2.459	0.000	910	0.0200	0.0215	M
2	2.617	2.617	0.000	2428	0.0200	0.0195	M
		Average of Peak Amounts =				0.0204	
						RPD = 4.54	
11 PCB-1254							M
1	3.547	3.547	0.000	4811	0.0200	0.0193	
1	3.827	3.827	0.000	5104	0.0200	0.0202	
1	4.017	4.017	0.000	6422	0.0200	0.0195	
1	4.223	4.223	0.000	4049	0.0200	0.0204	
1	4.403	4.403	0.000	3695	0.0200	0.0198	
		Average of Peak Amounts =				0.0198	
2	4.153	4.153	0.000	1709	0.0200	0.0197	M
2	4.464	4.464	0.000	1431	0.0200	0.0210	M
2	4.554	4.554	0.000	3083	0.0200	0.0190	M
2	4.693	4.693	0.000	4358	0.0200	0.0197	M
2	5.129	5.129	0.000	2655	0.0200	0.0209	M
		Average of Peak Amounts =				0.0201	
						RPD = 1.25	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

21-54w/IS@.02_00005 Amount Added: 1.00 Units: mL

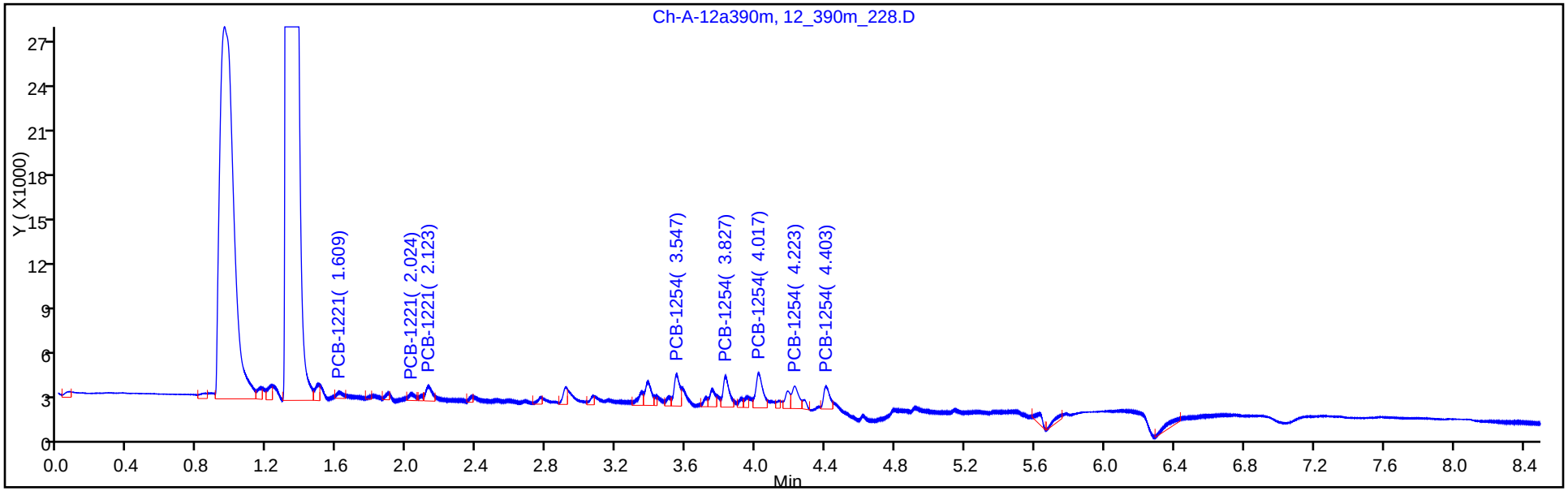
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TestAmerica Buffalo

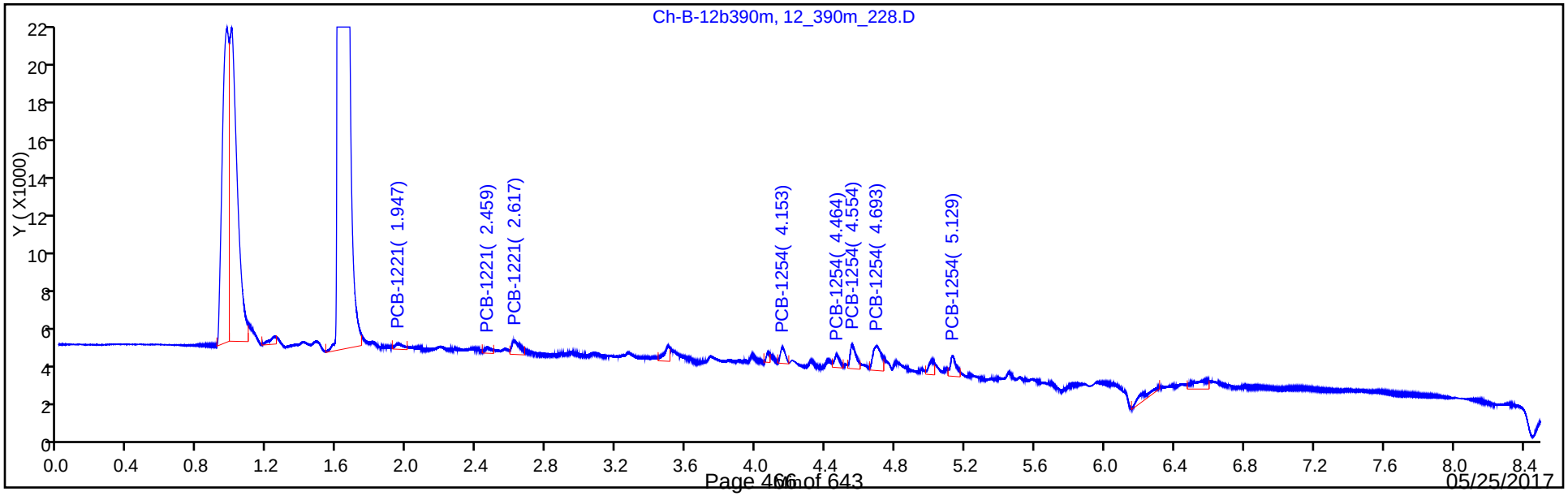
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Injection Date:	11-May-2017 20:22:44	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 1			Worklist Smp#:	31
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



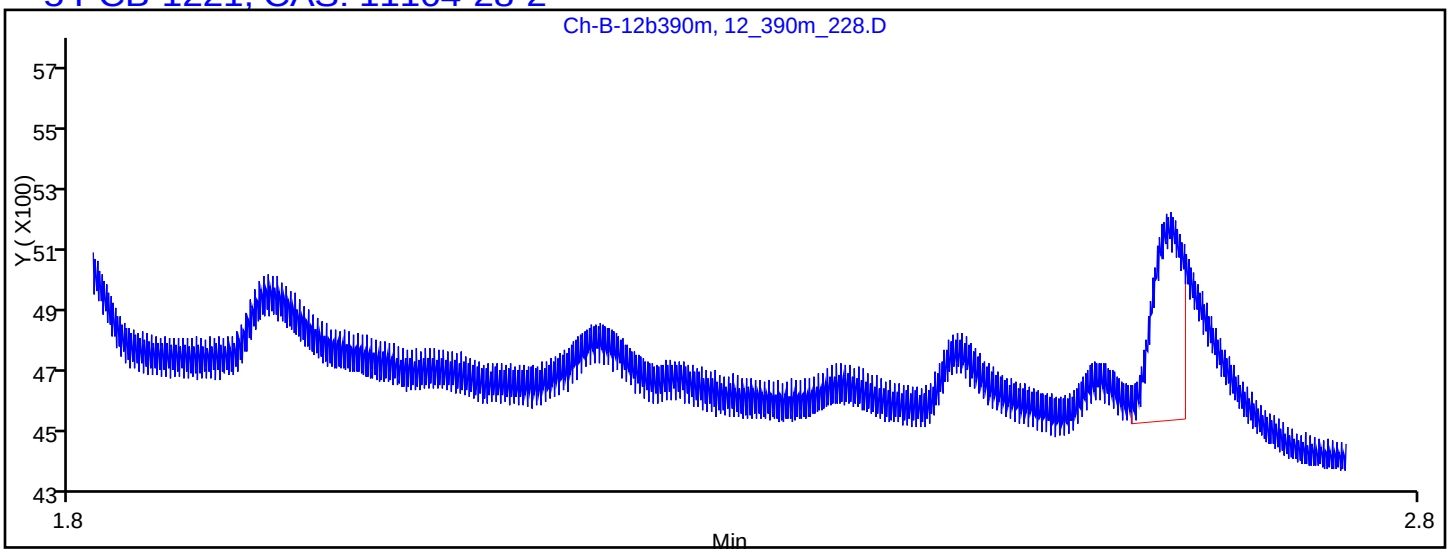
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TestAmerica Buffalo

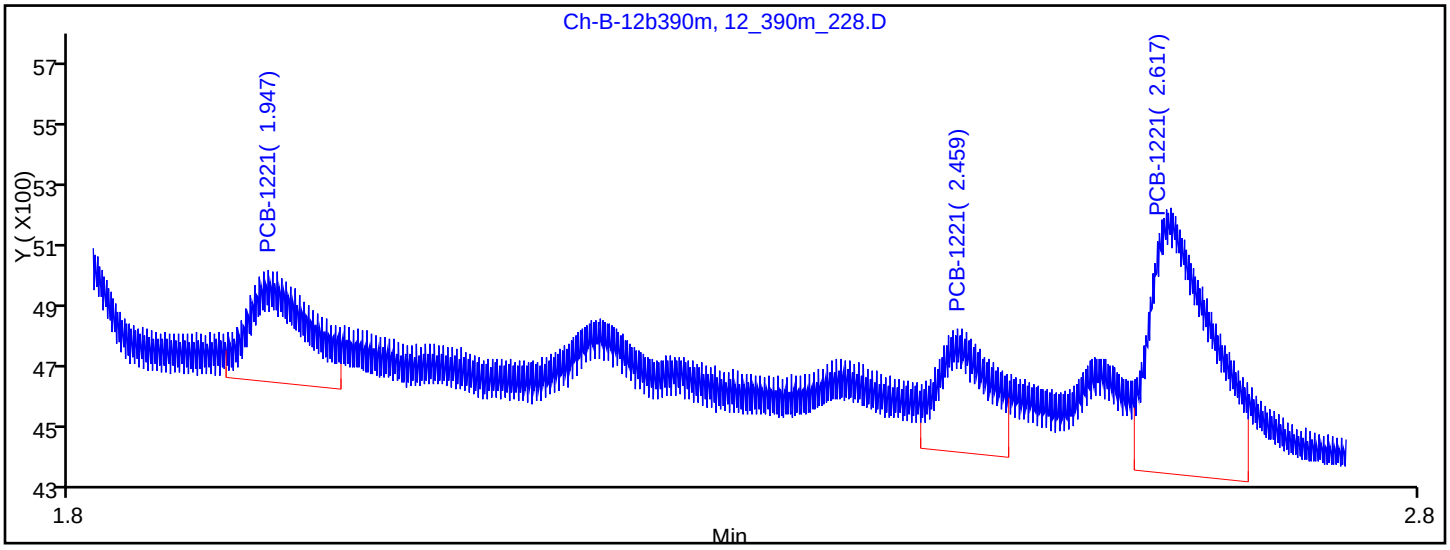
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_228.D

Injection Date:	11-May-2017 20:22:44	Instrument ID:	HP5890-12		
Lims ID:	IC 1				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

5 PCB-1221, CAS: 11104-28-2



Processing Integration Results



Manual Integration Results

1.947	Response = 939	M
2.459	Response = 910	M
2.617	Response = 2428	M

Reviewer: owenj, 12-May-2017 16:41:48

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

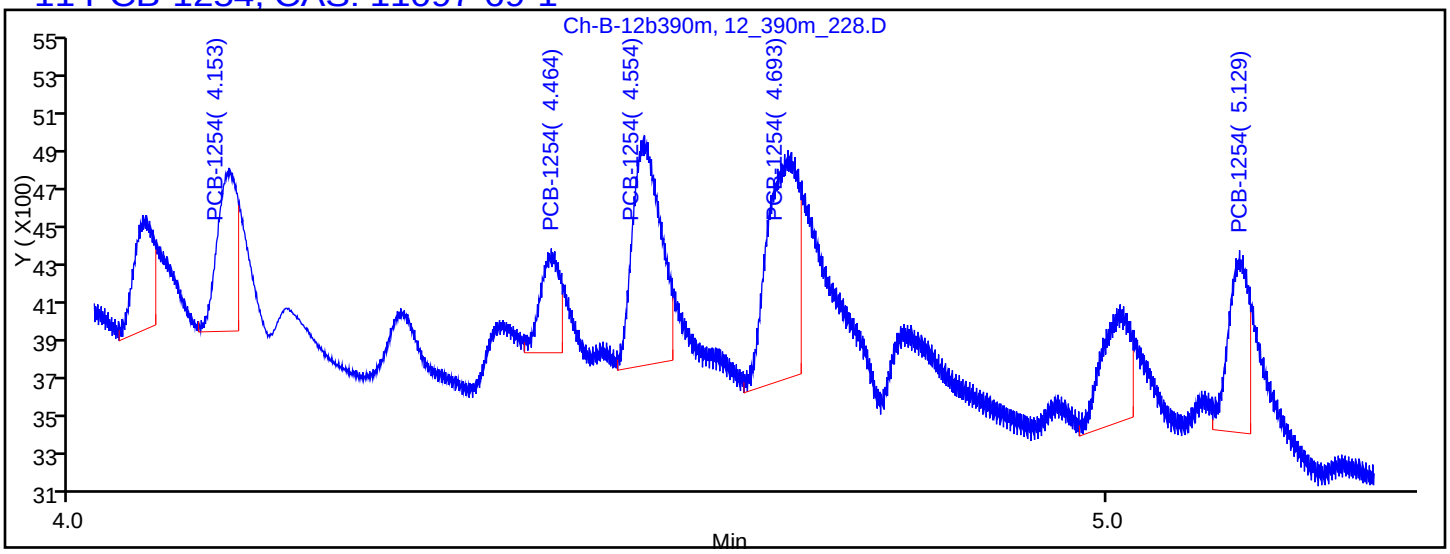
Report Date: 12-May-2017 16:48:52 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_228.D

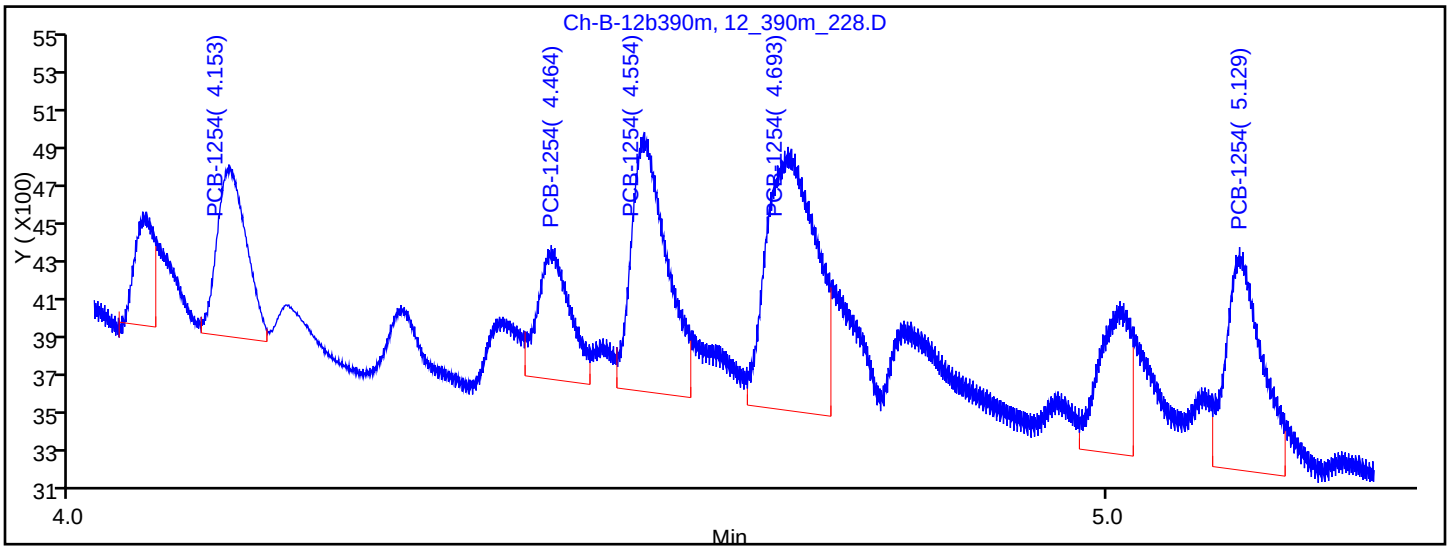
Injection Date:	11-May-2017 20:22:44	Instrument ID:	HP5890-12		
Lims ID:	IC 1				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

11 PCB-1254, CAS: 11097-69-1



Processing Integration Results

4.153	Response = 1062
4.464	Response = 653
4.554	Response = 2168
4.693	Response = 2374
5.129	Response = 1188



Manual Integration Results

4.153	Response = 1709	M
4.464	Response = 1431	M
4.554	Response = 3083	M
4.693	Response = 4358	M
5.129	Response = 2655	M

Reviewer: owenj, 12-May-2017 16:41:32

Audit Action: Assigned New Baseline Audit Reason: Split Peak

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1 Analy Batch No.: 356902

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/11/2017 20:53 Calibration End Date: 05/11/2017 21:24 Calibration ID: 30533

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-356902/35	12_390m_232.D
Level 2	IC 480-356902/34	12_390m_231.D
Level 3	IC 480-356902/33	12_390m_230.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3				B	M1	M2								
PCB-1232 Peak 1	0.0487	0.0348	0.0318			Lin1	0.0004	0.0321							0.9990		0.9900
PCB-1232 Peak 2	0.0360	0.0309	0.0296			Lin1	0.0001	0.0297							1.0000		0.9900
PCB-1232 Peak 3	0.0171	0.0118	0.0143			Lin1	0	0.0138							0.9940		0.9900
PCB-1232 Peak 4	0.0477	0.0452	0.0450			Lin1	0.0001	0.0450							1.0000		0.9900
PCB-1232 Peak 5	0.0286	0.0183	0.0186			Lin1	0.0002	0.0184							1.0000		0.9900
PCB-1262 Peak 1	0.0643	0.0681	0.0595			Lin1	0.0002	0.0610							0.9970		0.9900
PCB-1262 Peak 2	0.0305	0.0456	0.0437			Lin1	0	0.0443							1.0000		0.9900
PCB-1262 Peak 3	0.0369	0.0389	0.0381			Lin1	0	0.0383							1.0000		0.9900
PCB-1262 Peak 4	0.0510	0.0517	0.0474			Lin1	0.0001	0.0481							0.9990		0.9900
PCB-1262 Peak 5	0.0715	0.0807	0.0810			Lin1	0	0.0811							1.0000		0.9900

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1 Analy Batch No.: 356902

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/11/2017 20:53 Calibration End Date: 05/11/2017 21:24 Calibration ID: 30533

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-356902/35	12_390m_232.D
Level 2	IC 480-356902/34	12_390m_231.D
Level 3	IC 480-356902/33	12_390m_230.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
PCB-1232 Peak 1	BNB	Lin1	2562	44000	170718			0.0200	0.500	2.00		
PCB-1232 Peak 2	BNB	Lin1	1893	38995	159128			0.0200	0.500	2.00		
PCB-1232 Peak 3	BNB	Lin1	897	14962	77043			0.0200	0.500	2.00		
PCB-1232 Peak 4	BNB	Lin1	2507	57106	242066			0.0200	0.500	2.00		
PCB-1232 Peak 5	BNB	Lin1	1504	23173	100143			0.0200	0.500	2.00		
PCB-1262 Peak 1	BNB	Lin1	3384	86037	319527			0.0200	0.500	2.00		
PCB-1262 Peak 2	BNB	Lin1	1604	57612	234993			0.0200	0.500	2.00		
PCB-1262 Peak 3	BNB	Lin1	1939	49208	204942			0.0200	0.500	2.00		
PCB-1262 Peak 4	BNB	Lin1	2684	65363	254650			0.0200	0.500	2.00		
PCB-1262 Peak 5	BNB	Lin1	3760	101909	435290			0.0200	0.500	2.00		

Curve Type Legend:
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_230.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 11-May-2017 20:53:28 ALS Bottle#: 0 Worklist Smp#: 33
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub3

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 12-May-2017 16:48:59 Calib Date: 11-May-2017 21:24:09
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_232.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK011

First Level Reviewer: owenj Date: 12-May-2017 16:44:46

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.318	1.319	-0.001	1343483	0.5000	0.5000	
2	1.615	1.616	-0.001	1182649	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1232							
1	2.117	2.122	-0.005	170718	2.00	1.97	
1	2.383	2.381	0.002	159128	2.00	1.99	
1	2.500	2.503	-0.003	77043	2.00	2.07	
1	2.673	2.678	-0.005	242066	2.00	2.00	
1	2.745	2.765	-0.020	100143	2.00	2.01	
		Average of Peak Amounts =				2.01	
2	2.609	2.615	-0.006	120208	2.00	1.99	
2	2.931	2.937	-0.006	105453	2.00	2.01	
2	3.241	3.247	-0.006	181184	2.00	2.01	
2	3.359	3.364	-0.005	73808	2.00	2.06	
2	3.739	3.745	-0.006	81592	2.00	2.03	
		Average of Peak Amounts =				2.02	
						RPD = 0.61	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1262							
1	4.521	4.526	-0.005	319527	2.00	1.95	
1	4.705	4.712	-0.007	234993	2.00	1.98	
1	5.141	5.146	-0.005	204942	2.00	1.99	
1	5.198	5.203	-0.005	254650	2.00	1.97	
1	5.238	5.243	-0.005	435290	2.00	2.00	
		Average of Peak Amounts =				1.98	
2	5.171	5.179	-0.008	271510	2.00	1.96	
2	5.442	5.447	-0.005	247106	2.00	1.98	
2	5.577	5.584	-0.007	598558	2.00	1.98	
2	5.904	5.911	-0.007	218572	2.00	1.96	a
2	5.947	5.954	-0.007	454044	2.00	1.98	a
		Average of Peak Amounts =				1.97	
						RPD = 0.26	

Reagents:

32-62w/IS@2.0_00005 Amount Added: 1.00 Units: mL

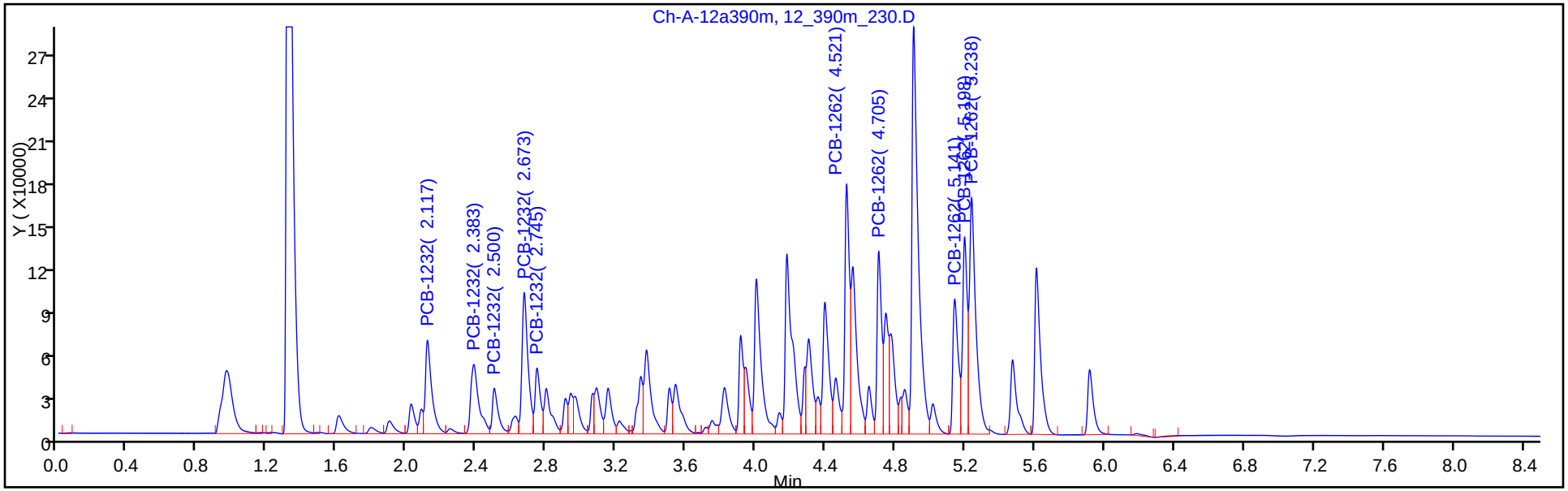
Report Date: 12-May-2017 16:48:59 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

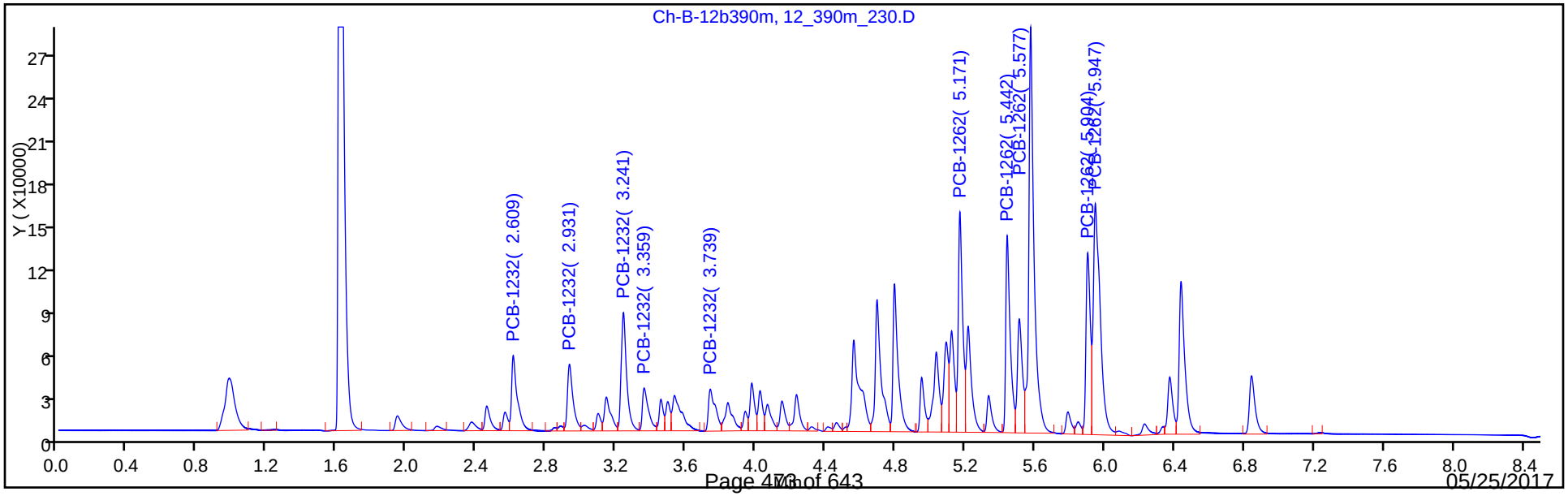
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_230.D

Injection Date:	11-May-2017 20:53:28	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	33
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_231.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 11-May-2017 21:08:50 ALS Bottle#: 0 Worklist Smp#: 34
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub3

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 12-May-2017 16:49:02 Calib Date: 11-May-2017 21:24:09
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_232.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK011

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.318	1.319	-0.001	1263529	0.5000	0.5000	
2	1.615	1.616	-0.001	1111416	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1232							
1	2.119	2.122	-0.003	44000	0.5000	0.5315	
1	2.385	2.381	0.004	38995	0.5000	0.5141	
1	2.502	2.503	-0.001	14962	0.5000	0.4259	
1	2.675	2.678	-0.003	57106	0.5000	0.5006	
1	2.748	2.765	-0.017	23173	0.5000	0.4871	
		Average of Peak Amounts =				0.4919	
2	2.612	2.615	-0.003	29240	0.5000	0.5134	
2	2.935	2.937	-0.002	24389	0.5000	0.4901	
2	3.244	3.247	-0.003	41481	0.5000	0.4855	
2	3.364	3.364	0.000	14768	0.5000	0.4373	
2	3.743	3.745	-0.002	17895	0.5000	0.4696	
		Average of Peak Amounts =				0.4792	
						RPD = 2.61	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1262							
1	4.523	4.526	-0.003	86037	0.5000	0.5553	
1	4.707	4.712	-0.005	57612	0.5000	0.5204	
1	5.143	5.146	-0.003	49208	0.5000	0.5088	
1	5.200	5.203	-0.003	65363	0.5000	0.5349	
1	5.239	5.243	-0.004	101909	0.5000	0.4997	
		Average of Peak Amounts =				0.5238	
2	5.174	5.179	-0.005	70972	0.5000	0.5434	
2	5.445	5.447	-0.002	61615	0.5000	0.5255	
2	5.579	5.584	-0.005	147211	0.5000	0.5212	
2	5.907	5.911	-0.004	56250	0.5000	0.5393	
2	5.951	5.954	-0.003	109421	0.5000	0.5165	
		Average of Peak Amounts =				0.5292	
						RPD = 1.02	

Reagents:

32-62w/IS@0.5_00008 Amount Added: 1.00 Units: mL

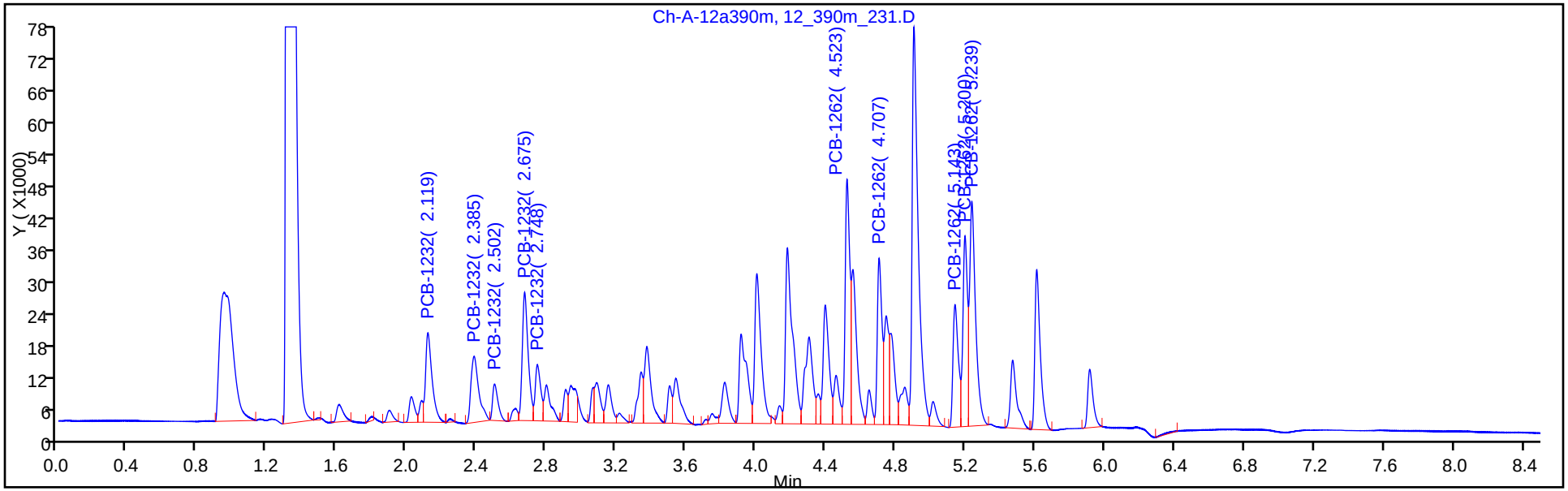
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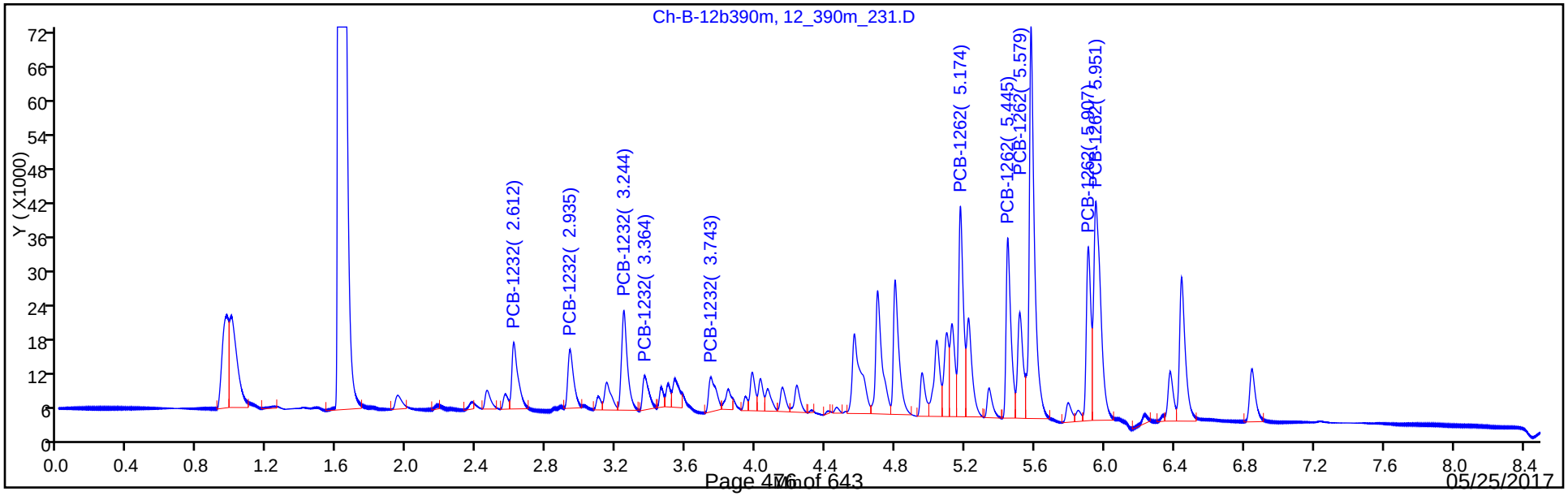
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Injection Date:	11-May-2017 21:08:50	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	34
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_232.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 11-May-2017 21:24:09 ALS Bottle#: 0 Worklist Smp#: 35
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub3

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 12-May-2017 16:49:05 Calib Date: 11-May-2017 21:24:09
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_232.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK011

First Level Reviewer: owenj Date: 12-May-2017 16:48:00

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.318	1.318	0.000	1314753	0.5000	0.5000	
2	1.615	1.615	0.000	1157801	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1232							M
1	2.122	2.122	0.000	2562	0.0200	0.0190	M
1	2.381	2.381	0.000	1893	0.0200	0.0196	M
1	2.503	2.503	0.000	897	0.0200	0.0222	M
1	2.678	2.678	0.000	2507	0.0200	0.0200	M
1	2.765	2.765	0.000	1504	0.0200	0.0204	M
		Average of Peak Amounts =				0.0202	
2	2.615	2.615	0.000	1228	0.0200	0.0196	M
2	2.937	2.937	0.000	1341	0.0200	0.0203	M
2	3.247	3.247	0.000	2393	0.0200	0.0204	M
2	3.364	3.364	0.000	830	0.0200	0.0219	M
2	3.745	3.745	0.000	1029	0.0200	0.0209	M
		Average of Peak Amounts =				0.0206	
						RPD = 1.88	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1262							
1	4.526	4.526	0.000	3384	0.0200	0.0183	
1	4.712	4.712	0.000	1604	0.0200	0.0194	
1	5.146	5.146	0.000	1939	0.0200	0.0197	
1	5.203	5.203	0.000	2684	0.0200	0.0189	
1	5.243	5.243	0.000	3760	0.0200	0.0200	
		Average of Peak Amounts =				0.0193	
2	5.179	5.179	0.000	2756	0.0200	0.0187	
2	5.447	5.447	0.000	2129	0.0200	0.0192	
2	5.584	5.584	0.000	4469	0.0200	0.0194	
2	5.911	5.911	0.000	1744	0.0200	0.0188	
2	5.954	5.954	0.000	2041	0.0200	0.0195	
		Average of Peak Amounts =				0.0191	
						RPD = 0.85	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

32-62w/IS@.02_00005 Amount Added: 1.00 Units: mL

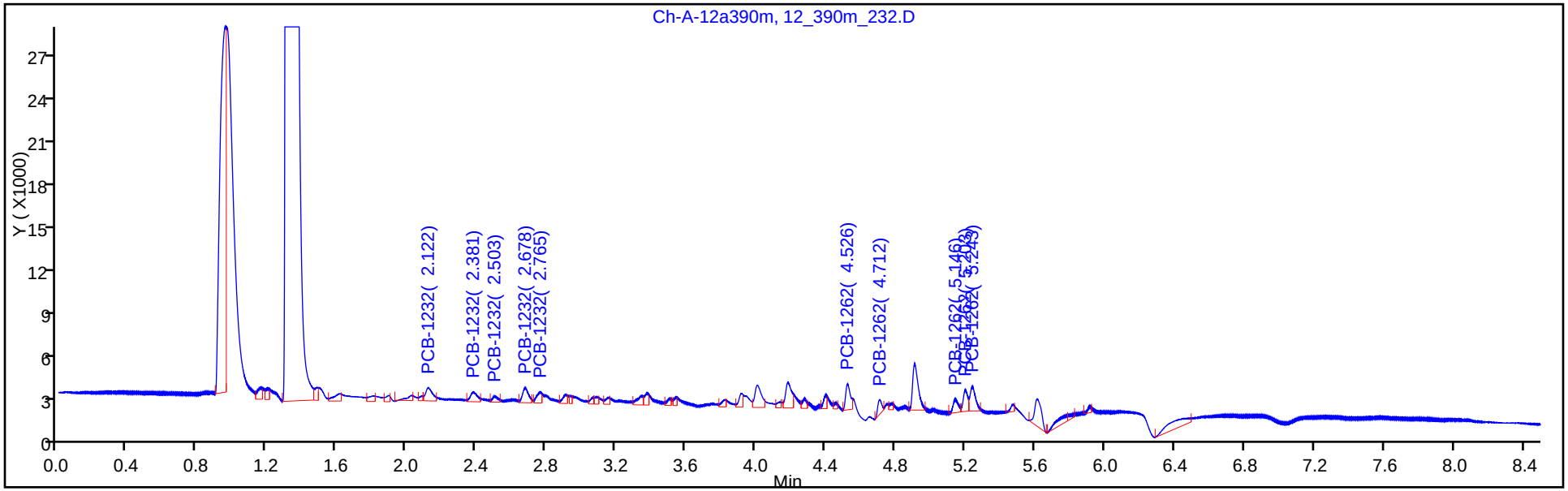
Report Date: 12-May-2017 16:49:05 Chrom Revision: 2.2 18-Apr-2017 07:43:58

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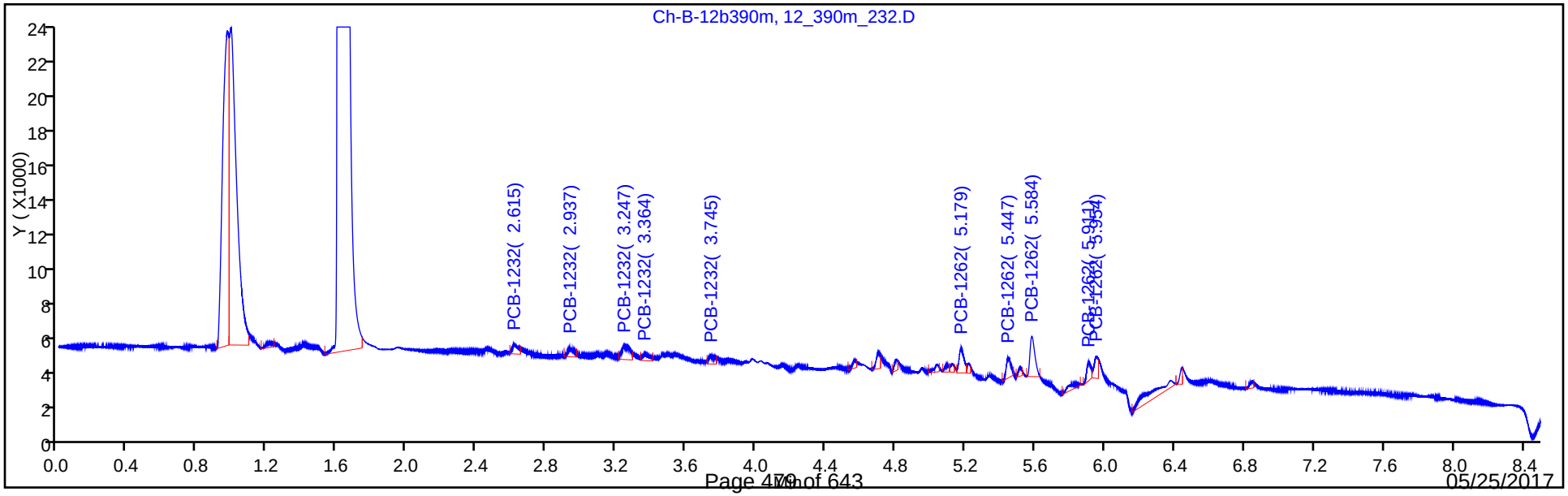
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_232.D

Injection Date:	11-May-2017 21:24:09	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 1			Worklist Smp#:	35
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



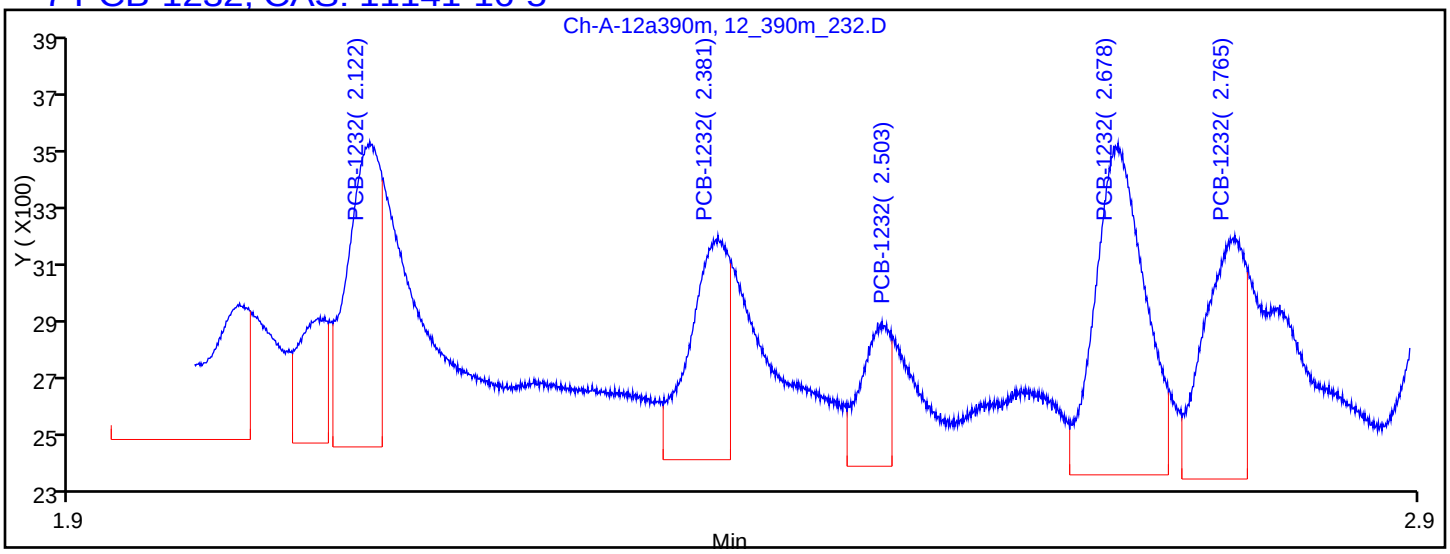
Report Date: 12-May-2017 16:49:05 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_232.D

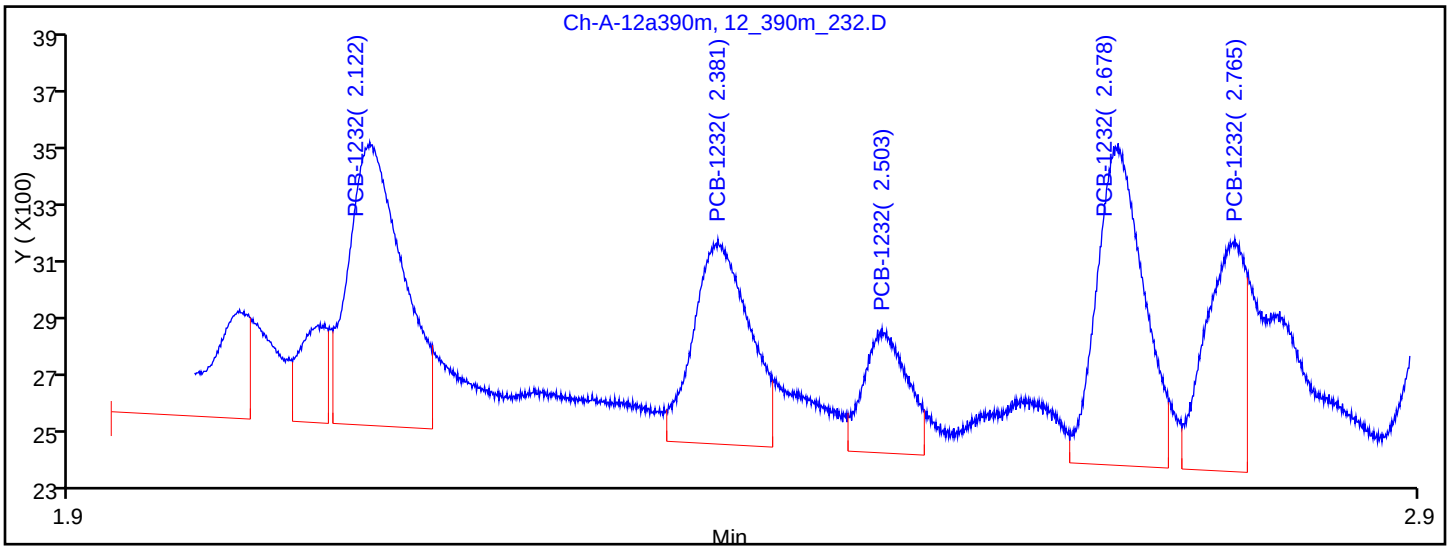
Injection Date:	11-May-2017 21:24:09	Instrument ID:	HP5890-12		
Lims ID:	IC 1				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	35
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

7 PCB-1232, CAS: 11141-16-5



Processing Integration Results

2.122	Response = 1719
2.381	Response = 1469
2.503	Response = 719
2.678	Response = 2822
2.765	Response = 1704



Manual Integration Results

2.122	Response = 2562	M
2.381	Response = 1893	M
2.503	Response = 897	M
2.678	Response = 2507	M
2.765	Response = 1504	M

Reviewer: owenj, 12-May-2017 16:45:54

Audit Action: Assigned New Baseline Audit Reason: Split Peak

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1 Analy Batch No.: 356902

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/11/2017 20:53 Calibration End Date: 05/11/2017 21:24 Calibration ID: 30534

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-356902/35	12_390m_232.D
Level 2	IC 480-356902/34	12_390m_231.D
Level 3	IC 480-356902/33	12_390m_230.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3				B	M1	M2								
PCB-1232 Peak 1	0.0265	0.0263	0.0254			Lin1	0	0.0256							1.0000		0.9900
PCB-1232 Peak 2	0.0290	0.0219	0.0223			Lin1	0.0001	0.0221							1.0000		0.9900
PCB-1232 Peak 3	0.0517	0.0373	0.0383			Lin1	0.0003	0.0379							1.0000		0.9900
PCB-1232 Peak 4	0.0179	0.0133	0.0156			Lin1	0	0.0151							0.9960		0.9900
PCB-1232 Peak 5	0.0222	0.0161	0.0172			Lin1	0.0001	0.0170							0.9990		0.9900
PCB-1262 Peak 1	0.0595	0.0639	0.0574			Lin1	0.0001	0.0586							0.9980		0.9900
PCB-1262 Peak 2	0.0460	0.0554	0.0522			Lin1	0	0.0529							0.9990		0.9900
PCB-1262 Peak 3	0.0965	0.1325	0.1265			Lin1	-0.001	0.1281							1.0000		0.9900
PCB-1262 Peak 4	0.0377	0.0506	0.0462			Lin1	0	0.0472							0.9980		0.9900
PCB-1262 Peak 5	0.0441	0.0985	0.0960			Lin1	-0.001	0.0973							1.0000		0.9900

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1 Analy Batch No.: 356902

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/11/2017 20:53 Calibration End Date: 05/11/2017 21:24 Calibration ID: 30534

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-356902/35	12_390m_232.D
Level 2	IC 480-356902/34	12_390m_231.D
Level 3	IC 480-356902/33	12_390m_230.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
PCB-1232 Peak 1	BNB	Lin1	1228	29240	120208			0.0200	0.500	2.00		
PCB-1232 Peak 2	BNB	Lin1	1341	24389	105453			0.0200	0.500	2.00		
PCB-1232 Peak 3	BNB	Lin1	2393	41481	181184			0.0200	0.500	2.00		
PCB-1232 Peak 4	BNB	Lin1	830	14768	73808			0.0200	0.500	2.00		
PCB-1232 Peak 5	BNB	Lin1	1029	17895	81592			0.0200	0.500	2.00		
PCB-1262 Peak 1	BNB	Lin1	2756	70972	271510			0.0200	0.500	2.00		
PCB-1262 Peak 2	BNB	Lin1	2129	61615	247106			0.0200	0.500	2.00		
PCB-1262 Peak 3	BNB	Lin1	4469	147211	598558			0.0200	0.500	2.00		
PCB-1262 Peak 4	BNB	Lin1	1744	56250	218572			0.0200	0.500	2.00		
PCB-1262 Peak 5	BNB	Lin1	2041	109421	454044			0.0200	0.500	2.00		

Curve Type Legend:
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_230.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 11-May-2017 20:53:28 ALS Bottle#: 0 Worklist Smp#: 33
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub3

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 12-May-2017 16:48:59 Calib Date: 11-May-2017 21:24:09
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_232.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK011

First Level Reviewer: owenj Date: 12-May-2017 16:44:46

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.318	1.319	-0.001	1343483	0.5000	0.5000	
2	1.615	1.616	-0.001	1182649	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1232							
1	2.117	2.122	-0.005	170718	2.00	1.97	
1	2.383	2.381	0.002	159128	2.00	1.99	
1	2.500	2.503	-0.003	77043	2.00	2.07	
1	2.673	2.678	-0.005	242066	2.00	2.00	
1	2.745	2.765	-0.020	100143	2.00	2.01	
		Average of Peak Amounts =				2.01	
2	2.609	2.615	-0.006	120208	2.00	1.99	
2	2.931	2.937	-0.006	105453	2.00	2.01	
2	3.241	3.247	-0.006	181184	2.00	2.01	
2	3.359	3.364	-0.005	73808	2.00	2.06	
2	3.739	3.745	-0.006	81592	2.00	2.03	
		Average of Peak Amounts =				2.02	
						RPD = 0.61	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1262							
1	4.521	4.526	-0.005	319527	2.00	1.95	
1	4.705	4.712	-0.007	234993	2.00	1.98	
1	5.141	5.146	-0.005	204942	2.00	1.99	
1	5.198	5.203	-0.005	254650	2.00	1.97	
1	5.238	5.243	-0.005	435290	2.00	2.00	
		Average of Peak Amounts =				1.98	
2	5.171	5.179	-0.008	271510	2.00	1.96	
2	5.442	5.447	-0.005	247106	2.00	1.98	
2	5.577	5.584	-0.007	598558	2.00	1.98	
2	5.904	5.911	-0.007	218572	2.00	1.96	a
2	5.947	5.954	-0.007	454044	2.00	1.98	a
		Average of Peak Amounts =				1.97	
						RPD = 0.26	

Reagents:

32-62w/IS@2.0_00005 Amount Added: 1.00 Units: mL

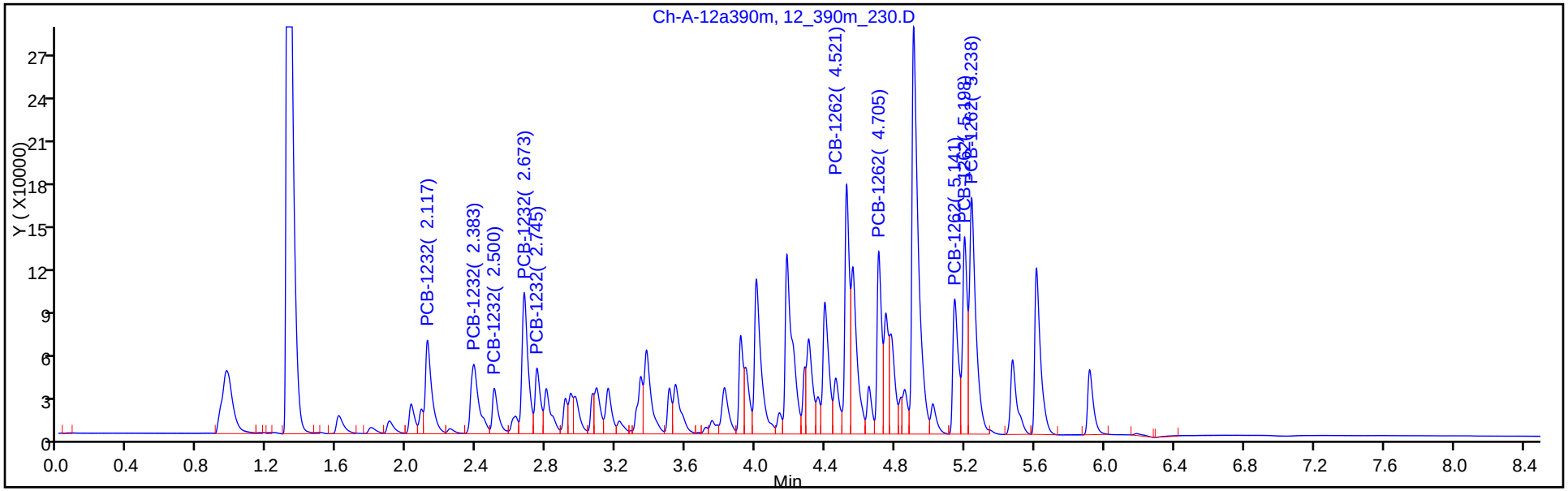
Report Date: 12-May-2017 16:48:59 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

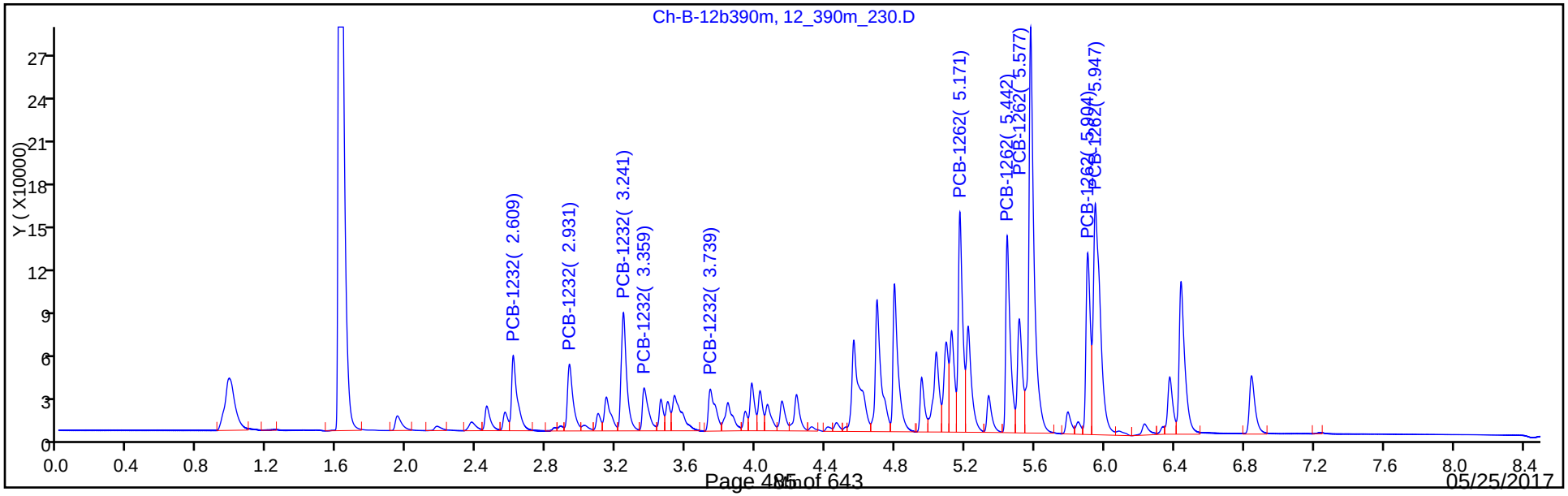
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Injection Date:	11-May-2017 20:53:28	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	33
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_231.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 11-May-2017 21:08:50 ALS Bottle#: 0 Worklist Smp#: 34
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub3

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 12-May-2017 16:49:02 Calib Date: 11-May-2017 21:24:09
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_232.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK011

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.318	1.319	-0.001	1263529	0.5000	0.5000	
2	1.615	1.616	-0.001	1111416	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1232							
1	2.119	2.122	-0.003	44000	0.5000	0.5315	
1	2.385	2.381	0.004	38995	0.5000	0.5141	
1	2.502	2.503	-0.001	14962	0.5000	0.4259	
1	2.675	2.678	-0.003	57106	0.5000	0.5006	
1	2.748	2.765	-0.017	23173	0.5000	0.4871	
		Average of Peak Amounts =				0.4919	
2	2.612	2.615	-0.003	29240	0.5000	0.5134	
2	2.935	2.937	-0.002	24389	0.5000	0.4901	
2	3.244	3.247	-0.003	41481	0.5000	0.4855	
2	3.364	3.364	0.000	14768	0.5000	0.4373	
2	3.743	3.745	-0.002	17895	0.5000	0.4696	
		Average of Peak Amounts =				0.4792	
						RPD = 2.61	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1262							
1	4.523	4.526	-0.003	86037	0.5000	0.5553	
1	4.707	4.712	-0.005	57612	0.5000	0.5204	
1	5.143	5.146	-0.003	49208	0.5000	0.5088	
1	5.200	5.203	-0.003	65363	0.5000	0.5349	
1	5.239	5.243	-0.004	101909	0.5000	0.4997	
		Average of Peak Amounts =				0.5238	
2	5.174	5.179	-0.005	70972	0.5000	0.5434	
2	5.445	5.447	-0.002	61615	0.5000	0.5255	
2	5.579	5.584	-0.005	147211	0.5000	0.5212	
2	5.907	5.911	-0.004	56250	0.5000	0.5393	
2	5.951	5.954	-0.003	109421	0.5000	0.5165	
		Average of Peak Amounts =				0.5292	
						RPD = 1.02	

Reagents:

32-62w/IS@0.5_00008 Amount Added: 1.00 Units: mL

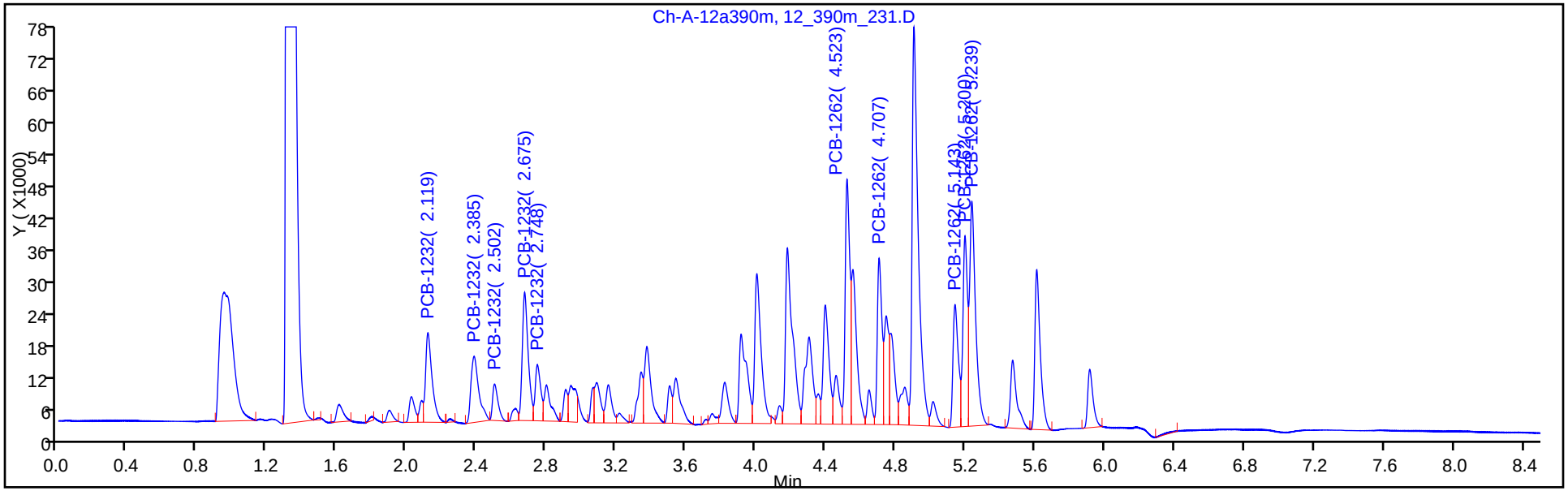
Report Date: 12-May-2017 16:49:03 Chrom Revision: 2.2 18-Apr-2017 07:43:58

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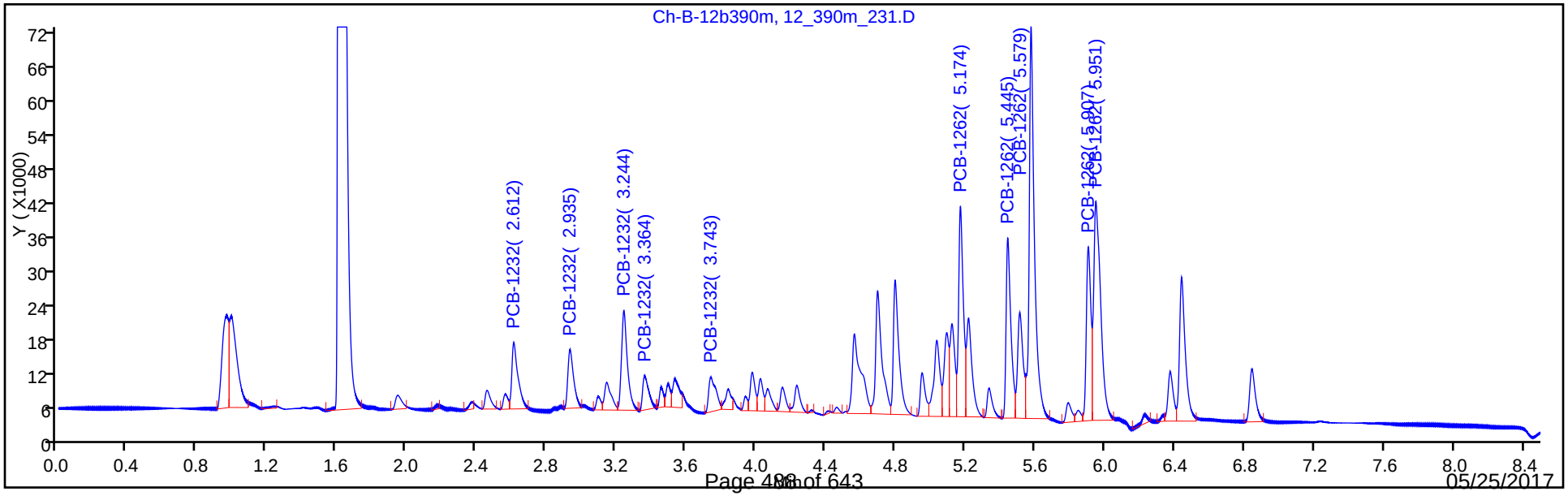
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_231.D

Injection Date:	11-May-2017 21:08:50	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	34
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_232.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 11-May-2017 21:24:09 ALS Bottle#: 0 Worklist Smp#: 35
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub3

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 12-May-2017 16:49:05 Calib Date: 11-May-2017 21:24:09
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_232.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK011

First Level Reviewer: owenj Date: 12-May-2017 16:48:00

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.318	1.318	0.000	1314753	0.5000	0.5000	
2	1.615	1.615	0.000	1157801	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1232							M
1	2.122	2.122	0.000	2562	0.0200	0.0190	M
1	2.381	2.381	0.000	1893	0.0200	0.0196	M
1	2.503	2.503	0.000	897	0.0200	0.0222	M
1	2.678	2.678	0.000	2507	0.0200	0.0200	M
1	2.765	2.765	0.000	1504	0.0200	0.0204	M
		Average of Peak Amounts =				0.0202	
2	2.615	2.615	0.000	1228	0.0200	0.0196	M
2	2.937	2.937	0.000	1341	0.0200	0.0203	M
2	3.247	3.247	0.000	2393	0.0200	0.0204	M
2	3.364	3.364	0.000	830	0.0200	0.0219	M
2	3.745	3.745	0.000	1029	0.0200	0.0209	M
		Average of Peak Amounts =				0.0206	
						RPD = 1.88	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1262							
1	4.526	4.526	0.000	3384	0.0200	0.0183	
1	4.712	4.712	0.000	1604	0.0200	0.0194	
1	5.146	5.146	0.000	1939	0.0200	0.0197	
1	5.203	5.203	0.000	2684	0.0200	0.0189	
1	5.243	5.243	0.000	3760	0.0200	0.0200	
		Average of Peak Amounts =				0.0193	
2	5.179	5.179	0.000	2756	0.0200	0.0187	
2	5.447	5.447	0.000	2129	0.0200	0.0192	
2	5.584	5.584	0.000	4469	0.0200	0.0194	
2	5.911	5.911	0.000	1744	0.0200	0.0188	
2	5.954	5.954	0.000	2041	0.0200	0.0195	
		Average of Peak Amounts =				0.0191	
						RPD = 0.85	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

32-62w/IS@.02_00005 Amount Added: 1.00 Units: mL

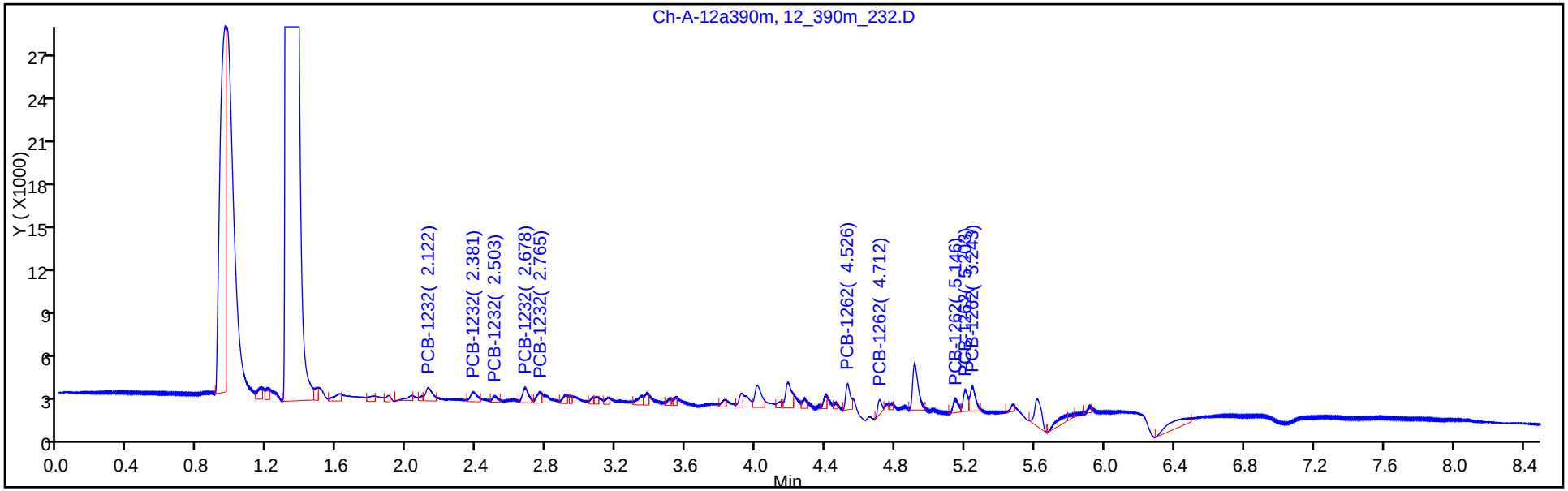
Report Date: 12-May-2017 16:49:05 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

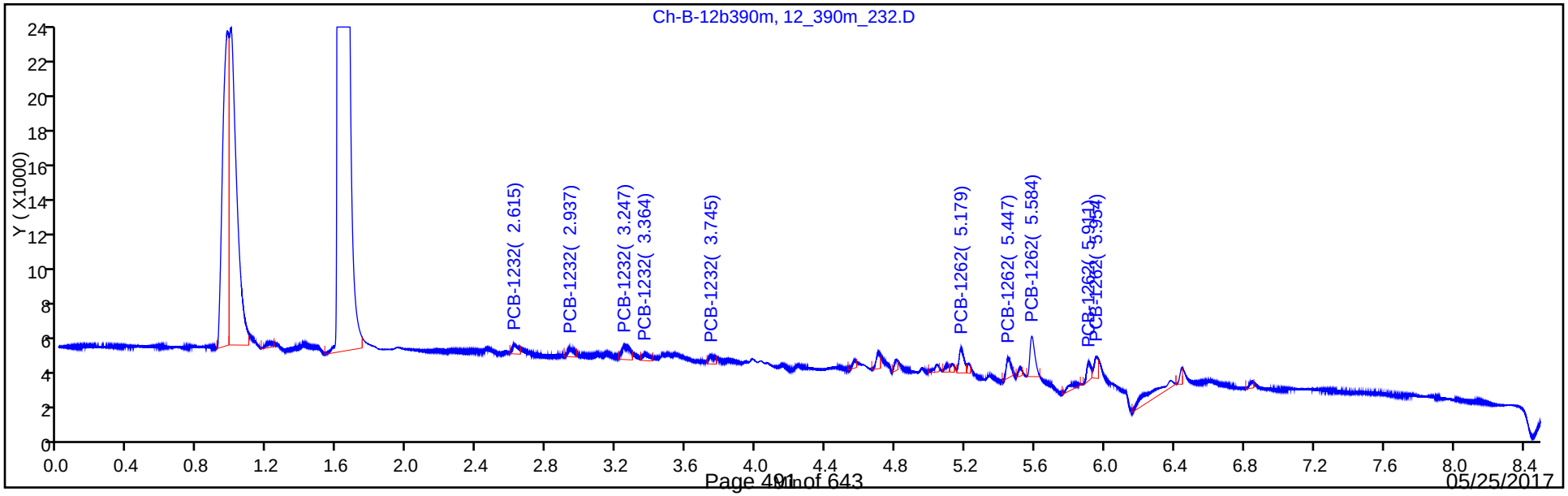
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Injection Date:	11-May-2017 21:24:09	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 1			Worklist Smp#:	35
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



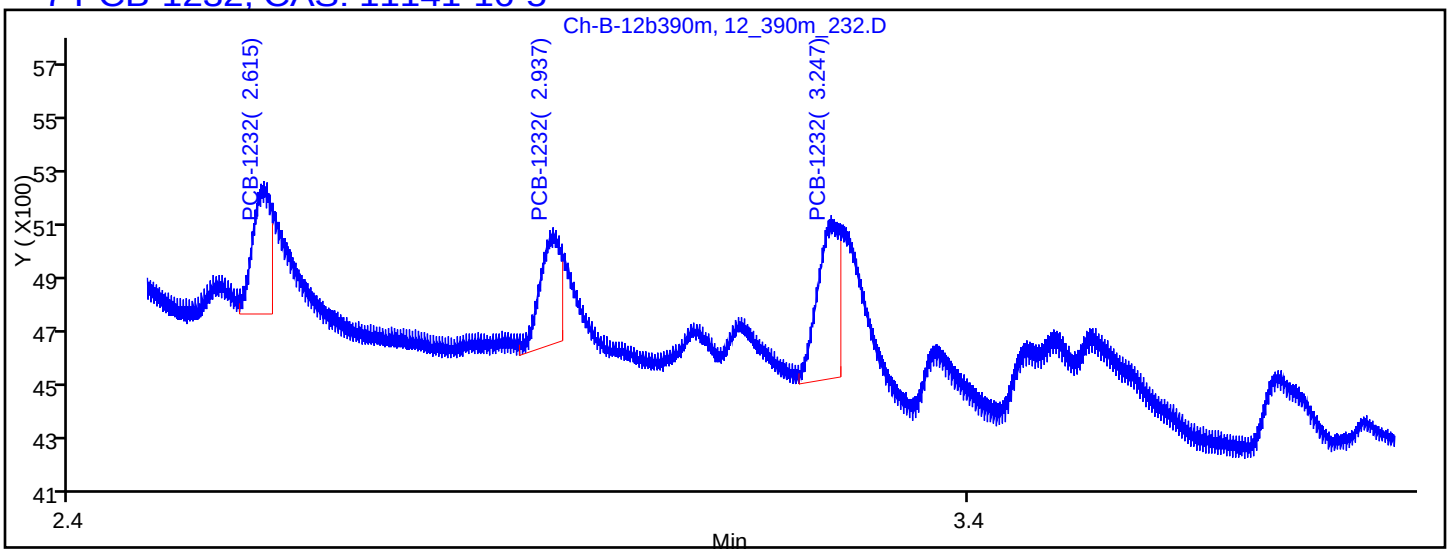
Report Date: 12-May-2017 16:49:05 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_232.D

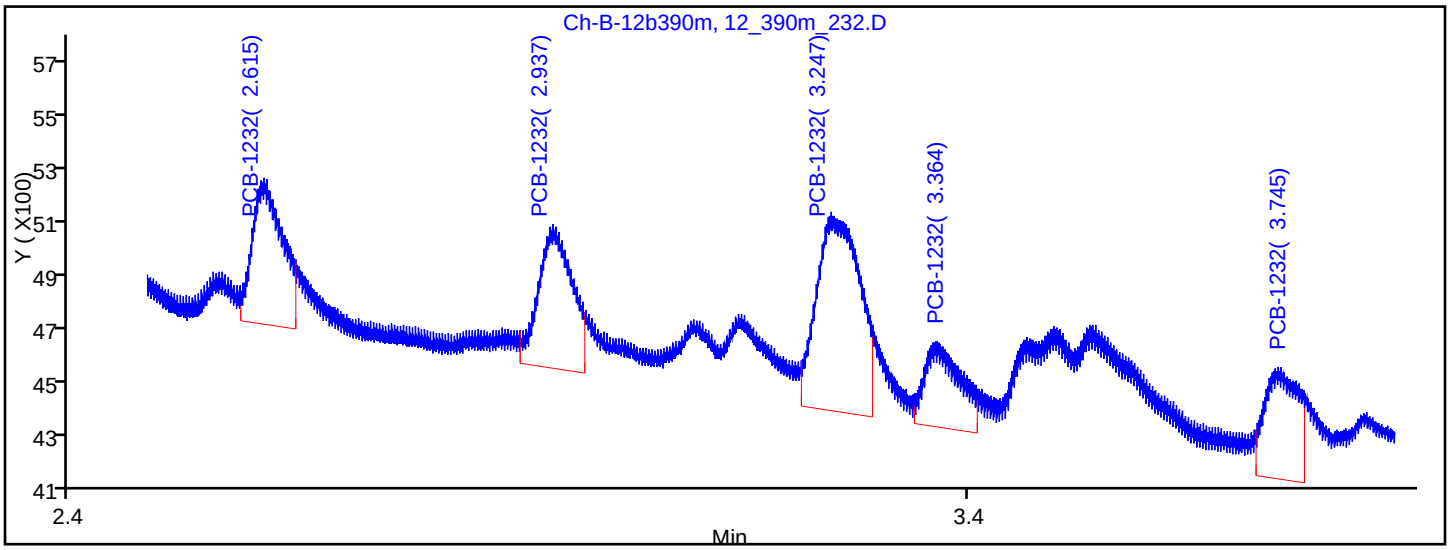
Injection Date:	11-May-2017 21:24:09	Instrument ID:	HP5890-12		
Lims ID:	IC 1				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	35
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

7 PCB-1232, CAS: 11141-16-5



Processing Integration Results

2.615	Response = 644
2.937	Response = 649
3.247	Response = 968
3.364	Response = 0
3.745	Response = 0



Manual Integration Results

2.615	Response = 1228	M
2.937	Response = 1341	M
3.247	Response = 2393	M
3.364	Response = 830	M
3.745	Response = 1029	M

Reviewer: owenj, 12-May-2017 16:45:47

Audit Action: Assigned New Baseline Audit Reason: Split Peak

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1 Analy Batch No.: 357246

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/13/2017 11:27 Calibration End Date: 05/13/2017 12:34 Calibration ID: 30549

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-357246/6	12_390m_253.D
Level 2	IC 480-357246/5	12_390m_252.D
Level 3	IC 480-357246/4	12_390m_251.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3				B	M1	M2								
PCB-1242 Peak 1	0.0963	0.0848	0.0760			Lin1	0.0005	0.0774							0.9980		0.9900
PCB-1242 Peak 2	0.0482	0.0346	0.0309			Lin1	0.0004	0.0313							0.9980		0.9900
PCB-1242 Peak 3	0.0485	0.0304	0.0286			Lin1	0.0004	0.0286							1.0000		0.9900
PCB-1242 Peak 4	0.0662	0.0526	0.0464			Lin1	0.0004	0.0473							0.9980		0.9900
PCB-1242 Peak 5	0.0246	0.0221	0.0207			Lin1	0.0001	0.0209							0.9990		0.9900
PCB-1268 Peak 1	0.1631	0.1234	0.0992			Lin1	0.0015	0.1028							0.9920		0.9900
PCB-1268 Peak 2	0.2473	0.2194	0.1994			Lin1	0.0011	0.2025							0.9990		0.9900
PCB-1268 Peak 3	0.1681	0.1300	0.1103			Lin1	0.0013	0.1131							0.9960		0.9900
PCB-1268 Peak 4	0.0695	0.0585	0.0554			Lin1	0.0003	0.0558							1.0000		0.9900
PCB-1268 Peak 5	0.5121	0.4283	0.3626			Lin1	0.0035	0.3726							0.9950		0.9900

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1 Analy Batch No.: 357246

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/13/2017 11:27 Calibration End Date: 05/13/2017 12:34 Calibration ID: 30549

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-357246/6	12_390m_253.D
Level 2	IC 480-357246/5	12_390m_252.D
Level 3	IC 480-357246/4	12_390m_251.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
PCB-1242 Peak 1	BNB	Lin1	4897	103486	369463			0.0200	0.500	2.00		
PCB-1242 Peak 2	BNB	Lin1	2454	42207	150036			0.0200	0.500	2.00		
PCB-1242 Peak 3	BNB	Lin1	2465	37091	138818			0.0200	0.500	2.00		
PCB-1242 Peak 4	BNB	Lin1	3369	64171	225700			0.0200	0.500	2.00		
PCB-1242 Peak 5	BNB	Lin1	1254	27016	100501			0.0200	0.500	2.00		
PCB-1268 Peak 1	BNB	Lin1	8298	150697	482272			0.0200	0.500	2.00		
PCB-1268 Peak 2	BNB	Lin1	12580	267924	969217			0.0200	0.500	2.00		
PCB-1268 Peak 3	BNB	Lin1	8550	158677	536077			0.0200	0.500	2.00		
PCB-1268 Peak 4	BNB	Lin1	3536	71488	269307			0.0200	0.500	2.00		
PCB-1268 Peak 5	BNB	Lin1	26053	522912	1762050			0.0200	0.500	2.00		

Curve Type Legend:
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_251.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 13-May-2017 11:27:32 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub4

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:44:07 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 15-May-2017 13:14:01

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.319	1.319	0.000	1214930	0.5000	0.5000	
2	1.615	1.617	-0.002	1088987	0.5000	0.5000	
						RPD = 0.00	
8 PCB-1242							M
1	2.672	2.690	-0.018	369463	2.00	1.96	
1	2.745	2.763	-0.018	150036	2.00	1.96	
1	3.153	3.170	-0.017	138818	2.00	1.98	
1	3.371	3.390	-0.019	225700	2.00	1.96	
1	3.505	3.521	-0.016	100501	2.00	1.98	
		Average of Peak Amounts =				1.97	
2	3.241	3.253	-0.012	293045	2.00	2.00	M
2	3.359	3.369	-0.010	122283	2.00	2.01	M
2	3.534	3.544	-0.010	141804	2.00	1.96	M
2	3.739	3.751	-0.012	144501	2.00	1.97	M
2	3.977	3.987	-0.010	113131	2.00	1.99	M
		Average of Peak Amounts =				1.99	
						RPD = 0.94	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
14 PCB-1268							
1	5.197	5.216	-0.019	482272	2.00	1.92	
1	5.235	5.255	-0.020	969217	2.00	1.96	
1	5.458	5.476	-0.018	536077	2.00	1.94	
1	5.609	5.627	-0.018	269307	2.00	1.98	
1	5.911	5.932	-0.021	1762050	2.00	1.94	
		Average of Peak Amounts =				1.95	
2	5.902	5.919	-0.017	456518	2.00	1.96	
2	5.946	5.961	-0.015	650993	2.00	1.95	
2	6.225	6.240	-0.015	463744	2.00	1.95	
2	6.441	6.457	-0.016	226844	2.00	1.97	
2	6.841	6.859	-0.018	1506102	2.00	1.94	
		Average of Peak Amounts =				1.95	
						RPD = 0.36	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

42-68w/IS@2.0_00005 Amount Added: 1.00 Units: mL

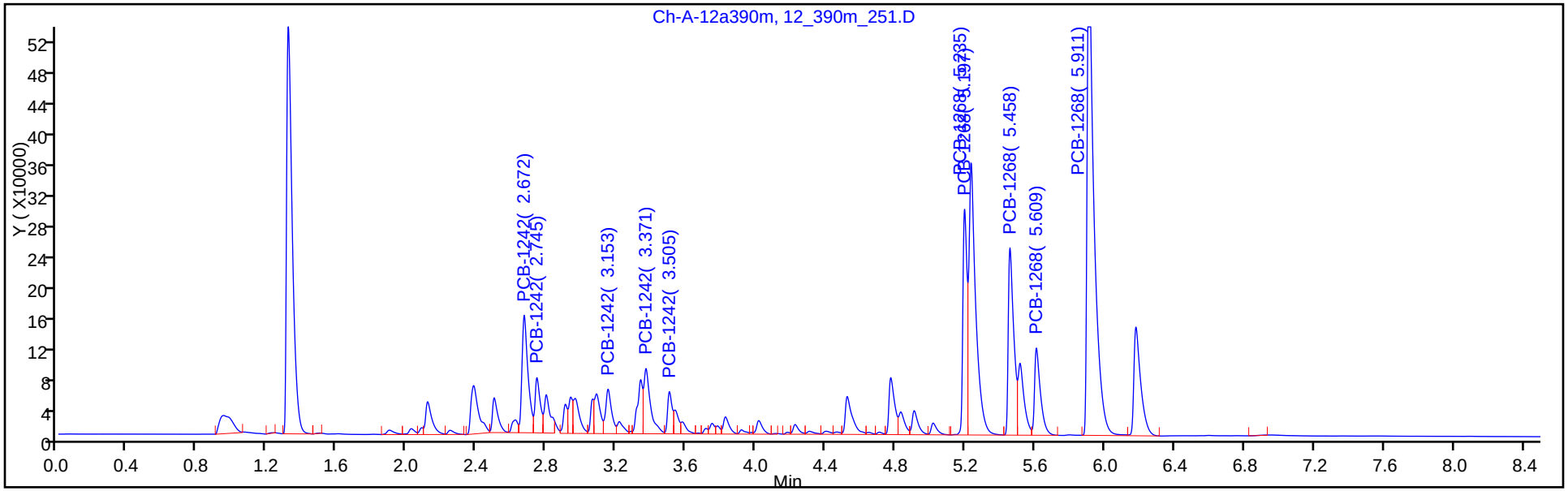
Report Date: 15-May-2017 13:44:07 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

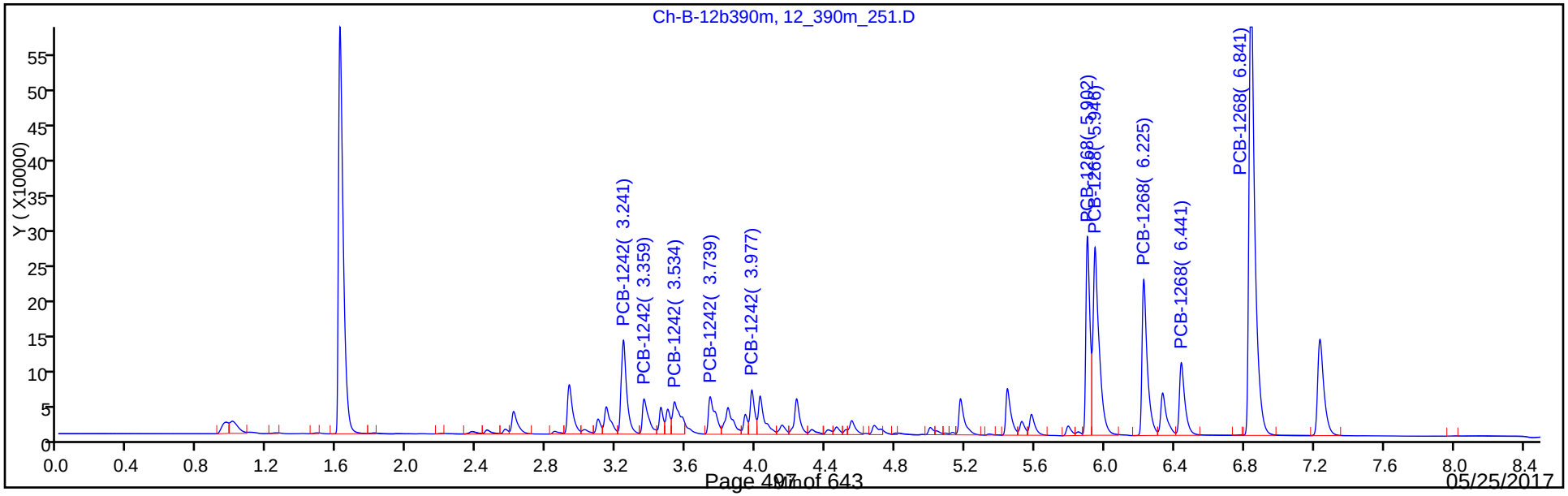
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_251.D

Injection Date:	13-May-2017 11:27:32	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_252.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 13-May-2017 11:42:54 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub4

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:44:09 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 15-May-2017 13:14:19

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.319	1.319	0.000	1220981	0.5000	0.5000	
2	1.616	1.617	-0.001	1077513	0.5000	0.5000	
						RPD = 0.00	
8 PCB-1242							M
1	2.675	2.690	-0.015	103486	0.5000	0.5417	
1	2.748	2.763	-0.015	42207	0.5000	0.5402	
1	3.155	3.170	-0.015	37091	0.5000	0.5168	
1	3.373	3.390	-0.017	64171	0.5000	0.5464	
1	3.507	3.521	-0.014	27016	0.5000	0.5252	
		Average of Peak Amounts =				0.5341	
2	3.244	3.253	-0.009	73080	0.5000	0.5008	
2	3.363	3.369	-0.006	29671	0.5000	0.4913	
2	3.537	3.544	-0.007	39423	0.5000	0.5404	M
2	3.743	3.751	-0.008	38454	0.5000	0.5271	
2	3.981	3.987	-0.006	29307	0.5000	0.5149	
		Average of Peak Amounts =				0.5149	
						RPD = 3.65	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
14 PCB-1268							
1	5.200	5.216	-0.016	150697	0.5000	0.5860	
1	5.237	5.255	-0.018	267924	0.5000	0.5364	
1	5.460	5.476	-0.016	158677	0.5000	0.5629	
1	5.612	5.627	-0.015	71488	0.5000	0.5193	
1	5.913	5.932	-0.019	522912	0.5000	0.5652	
		Average of Peak Amounts =				0.5540	
2	5.905	5.919	-0.014	125712	0.5000	0.5410	
2	5.949	5.961	-0.012	181615	0.5000	0.5471	
2	6.229	6.240	-0.011	130605	0.5000	0.5529	
2	6.445	6.457	-0.012	60113	0.5000	0.5303	
2	6.844	6.859	-0.015	437177	0.5000	0.5627	
		Average of Peak Amounts =				0.5468	
						RPD = 1.30	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

42-68w/IS@0.5_00008 Amount Added: 1.00 Units: mL

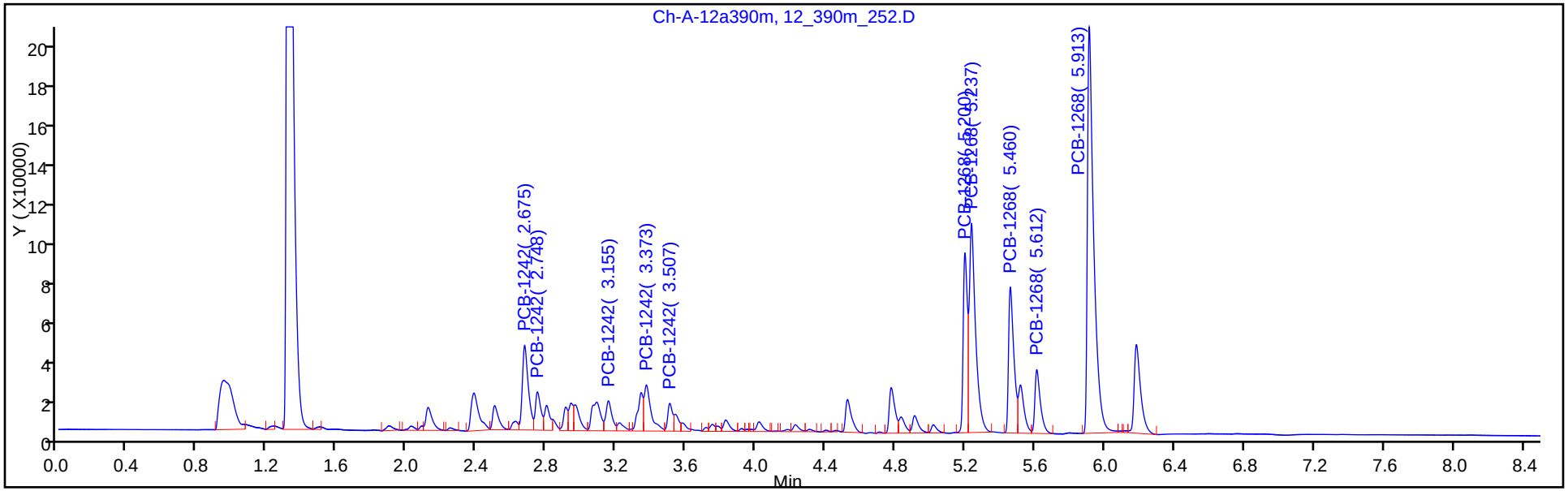
Report Date: 15-May-2017 13:44:10 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

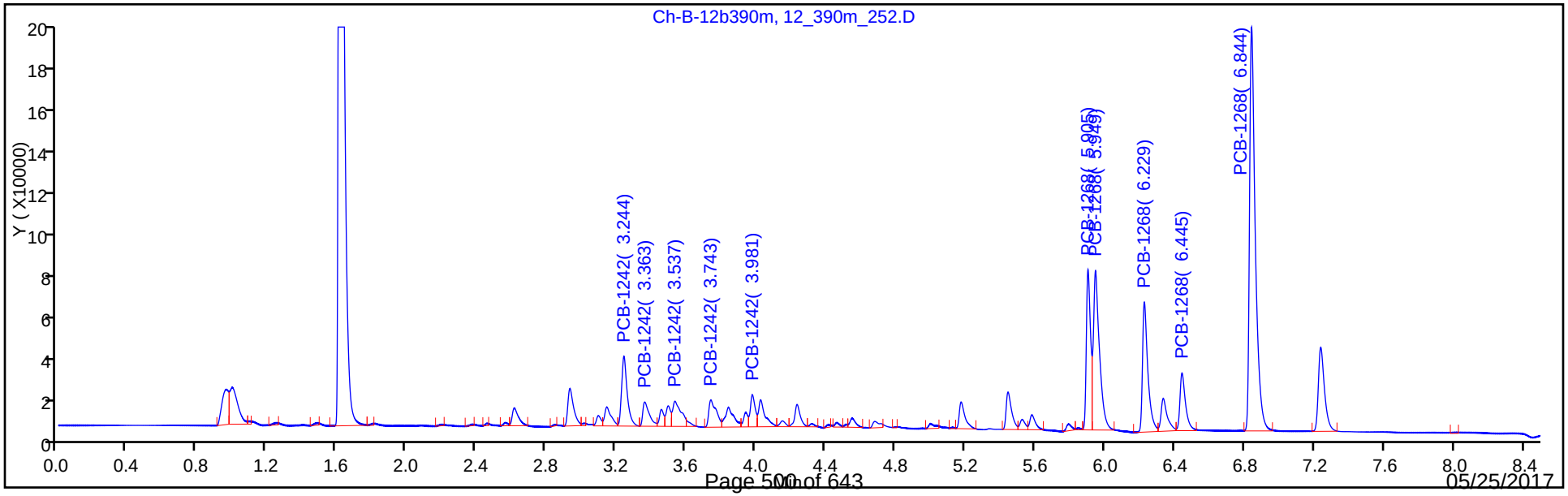
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_252.D

Injection Date:	13-May-2017 11:42:54	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_253.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 13-May-2017 12:34:01 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub4

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:44:12 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 15-May-2017 13:16:03

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.321	1.321	0.000	1271814	0.5000	0.5000	
2	1.618	1.618	0.000	1099341	0.5000	0.5000	
						RPD = 0.00	
8 PCB-1242							M
1	2.690	2.690	0.000	4897	0.0200	0.0187	M
1	2.763	2.763	0.000	2454	0.0200	0.0188	M
1	3.170	3.170	0.000	2465	0.0200	0.0195	M
1	3.390	3.390	0.000	3369	0.0200	0.0186	
1	3.521	3.521	0.000	1254	0.0200	0.0192	
		Average of Peak Amounts =				0.0190	
2	3.253	3.253	0.000	3546	0.0200	0.0200	M
2	3.369	3.369	0.000	1345	0.0200	0.0203	M
2	3.544	3.544	0.000	2425	0.0200	0.0188	M
2	3.751	3.751	0.000	1788	0.0200	0.0192	M
2	3.987	3.987	0.000	1500	0.0200	0.0195	M
		Average of Peak Amounts =				0.0195	
						RPD = 3.01	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
14 PCB-1268							M
1	5.216	5.216	0.000	8298	0.0200	0.0174	M
1	5.255	5.255	0.000	12580	0.0200	0.0189	M
1	5.476	5.476	0.000	8550	0.0200	0.0181	M
1	5.627	5.627	0.000	3536	0.0200	0.0194	M
1	5.932	5.932	0.000	26053	0.0200	0.0180	M
		Average of Peak Amounts =				0.0184	
2	5.919	5.919	0.000	5858	0.0200	0.0188	
2	5.961	5.961	0.000	8035	0.0200	0.0186	
2	6.240	6.240	0.000	5017	0.0200	0.0184	M
2	6.457	6.457	0.000	1812	0.0200	0.0191	M
2	6.859	6.859	0.000	21028	0.0200	0.0181	
		Average of Peak Amounts =				0.0186	
						RPD = 1.17	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

42-68w/IS@.02_00005 Amount Added: 1.00 Units: mL

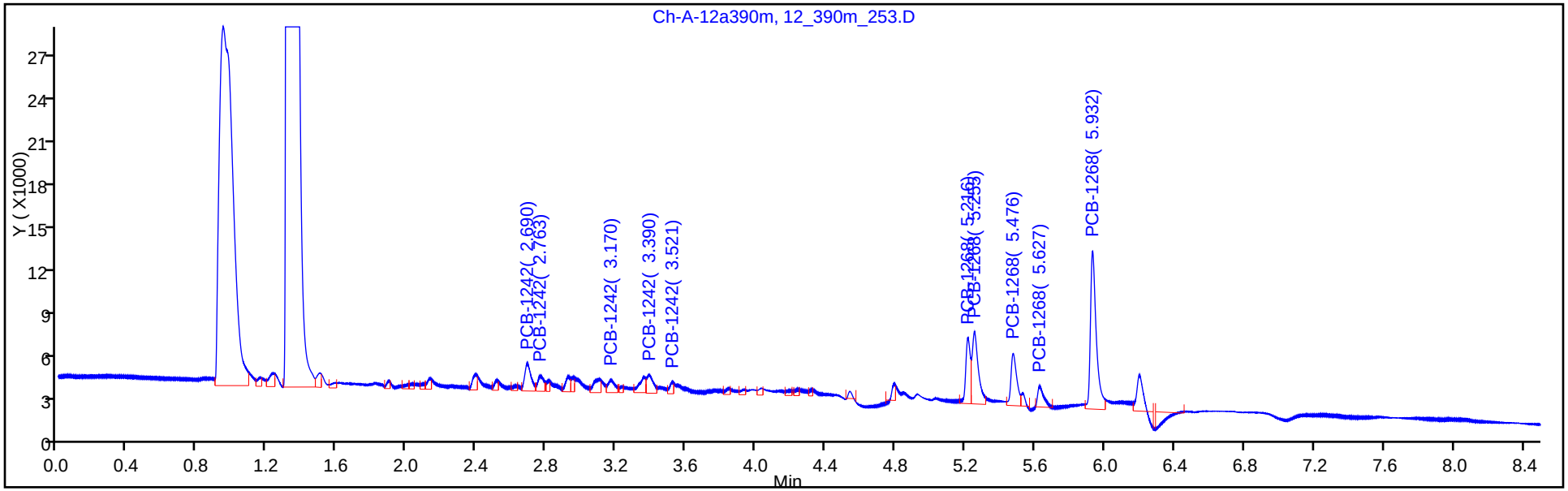
Report Date: 15-May-2017 13:44:12 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

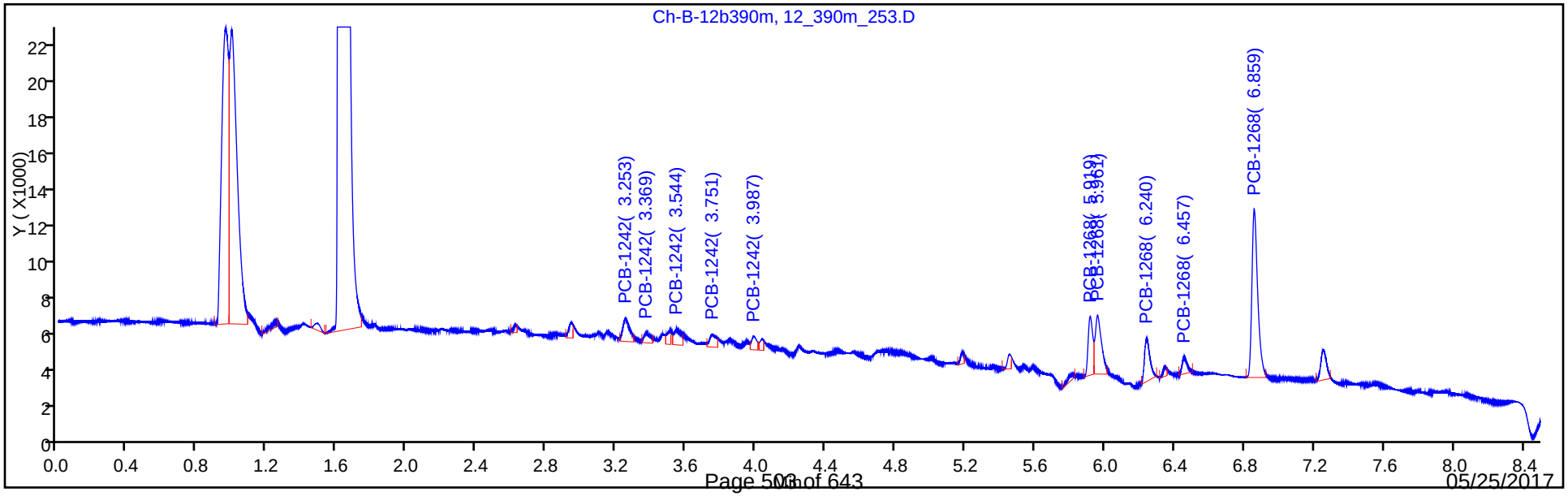
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_253.D

Injection Date:	13-May-2017 12:34:01	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 1			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



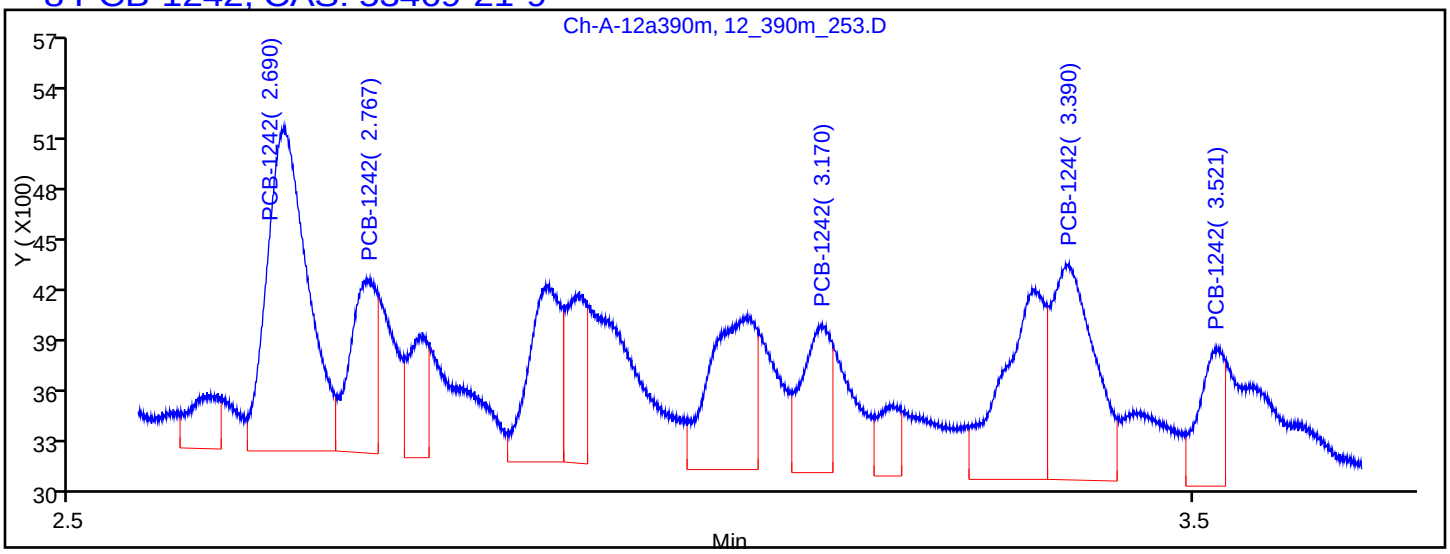
Report Date: 15-May-2017 13:44:12 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_253.D

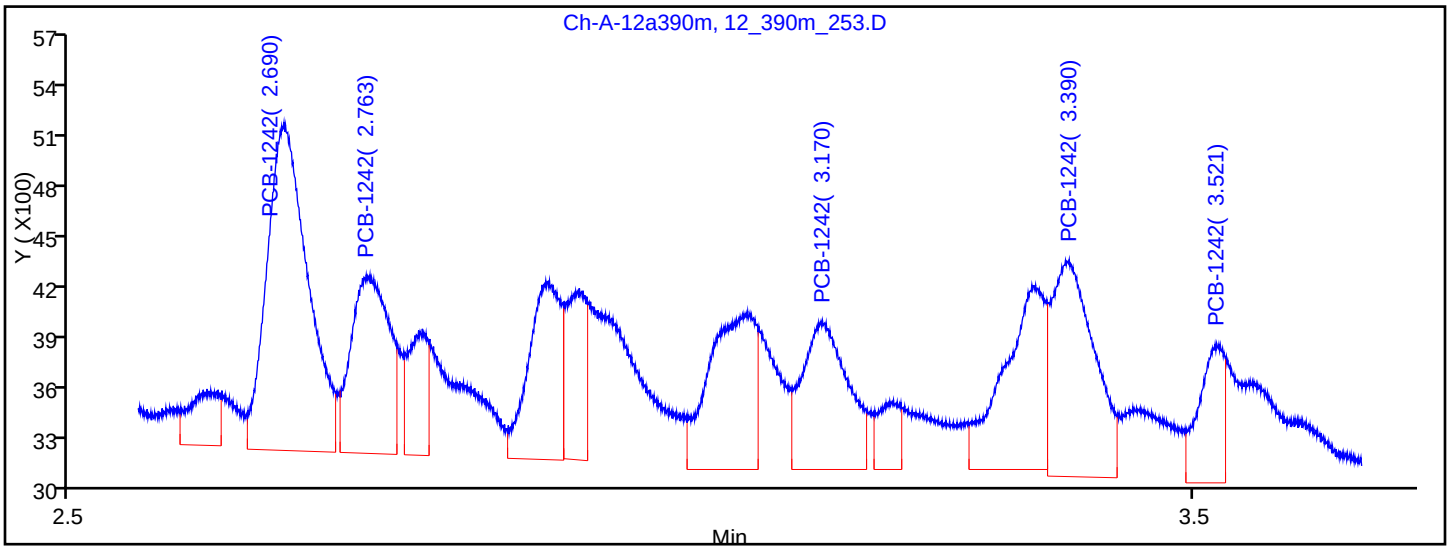
Injection Date:	13-May-2017 12:34:01	Instrument ID:	HP5890-12		
Lims ID:	IC 1				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

8 PCB-1242, CAS: 53469-21-9



Processing Integration Results

2.690	Response = 4812
2.767	Response = 1684
3.170	Response = 1540
3.390	Response = 3369
3.521	Response = 1254



Manual Integration Results

2.690	Response = 4897	M
2.763	Response = 2454	M
3.170	Response = 2465	M
3.390	Response = 3369	
3.521	Response = 1254	

Reviewer: owenj, 15-May-2017 13:14:57

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 15-May-2017 13:44:12 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_253.D

Injection Date: 13-May-2017 12:34:01 Instrument ID: HP5890-12

Lims ID: IC 1

Client ID:

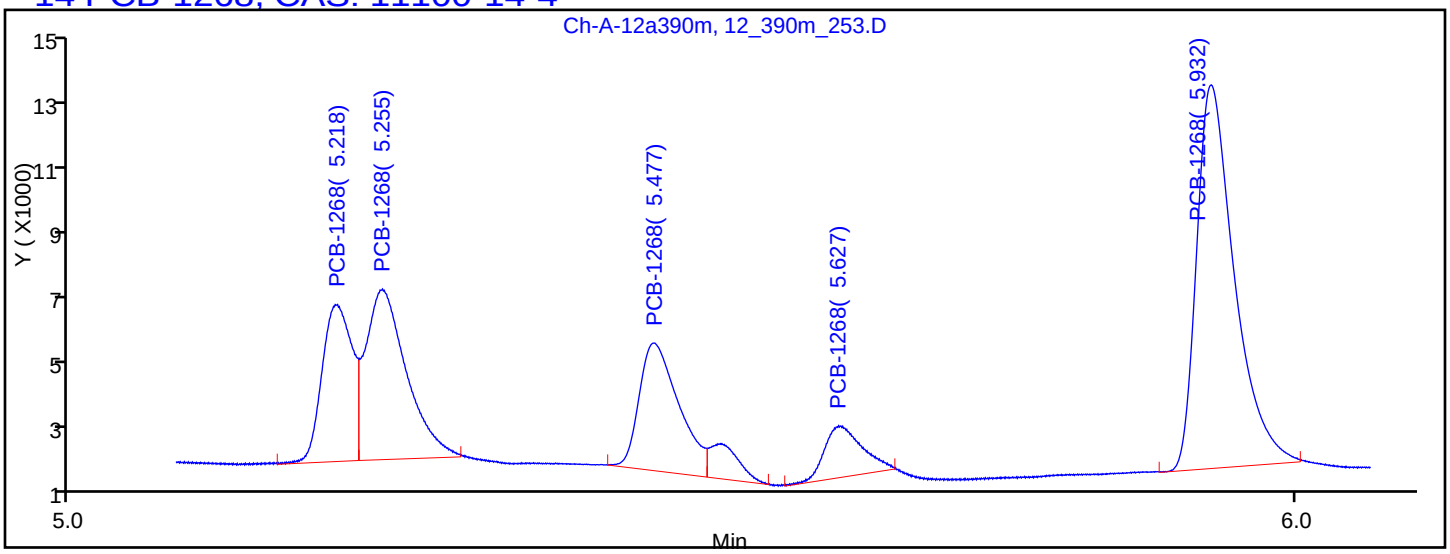
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 6

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

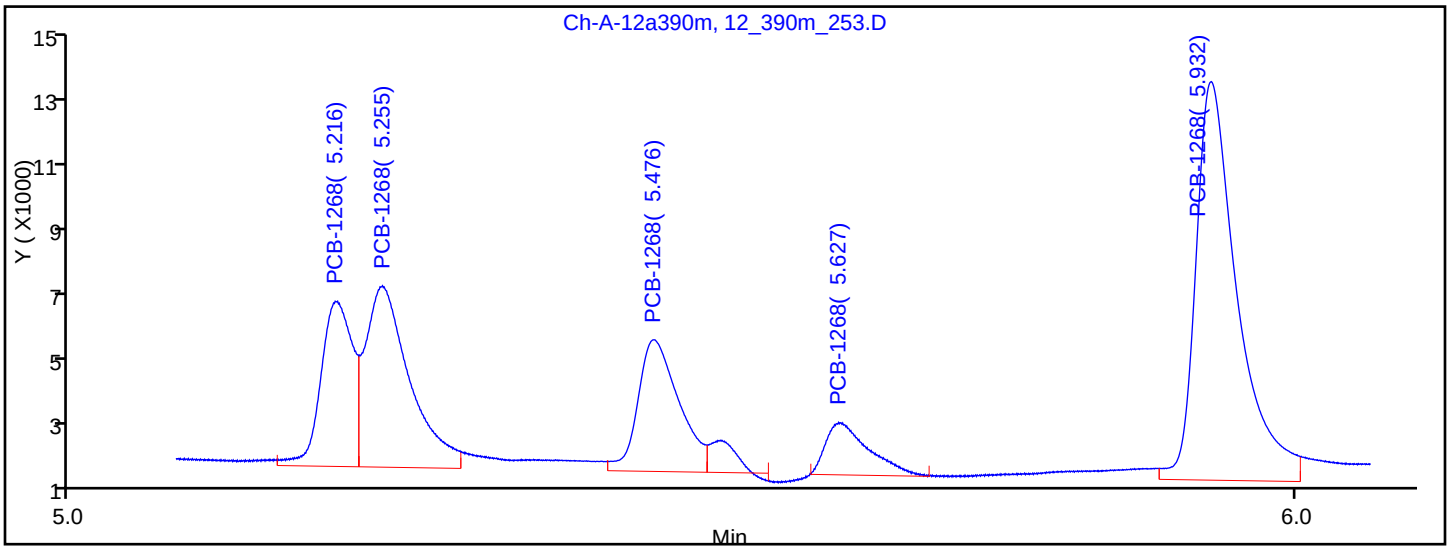
Column: Detector Ch-A-7A136

14 PCB-1268, CAS: 11100-14-4



Processing Integration Results

5.218	Response = 7516
5.255	Response = 10888
5.477	Response = 8050
5.627	Response = 3073
5.932	Response = 22866



Manual Integration Results

5.216	Response = 8298	M
5.255	Response = 12580	M
5.476	Response = 8550	M
5.627	Response = 3536	M
5.932	Response = 26053	M

Reviewer: owenj, 15-May-2017 13:14:31

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1 Analy Batch No.: 357246

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/13/2017 11:27 Calibration End Date: 05/13/2017 12:34 Calibration ID: 30550

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-357246/6	12_390m_253.D
Level 2	IC 480-357246/5	12_390m_252.D
Level 3	IC 480-357246/4	12_390m_251.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3				B	M1	M2								
PCB-1242 Peak 1	0.0806	0.0678	0.0673			Lin1	0.0003	0.0672							1.0000		0.9900
PCB-1242 Peak 2	0.0306	0.0275	0.0281			Lin1	0	0.0279							1.0000		0.9900
PCB-1242 Peak 3	0.0551	0.0366	0.0326			Lin1	0.0005	0.0330							0.9980		0.9900
PCB-1242 Peak 4	0.0407	0.0357	0.0332			Lin1	0.0002	0.0335							0.9990		0.9900
PCB-1242 Peak 5	0.0341	0.0272	0.0260			Lin1	0.0002	0.0261							1.0000		0.9900
PCB-1268 Peak 1	0.1332	0.1167	0.1048			Lin1	0.0007	0.1066							0.9980		0.9900
PCB-1268 Peak 2	0.1827	0.1686	0.1494			Lin1	0.0008	0.1525							0.9980		0.9900
PCB-1268 Peak 3	0.1141	0.1212	0.1065			Lin1	0.0003	0.1091							0.9970		0.9900
PCB-1268 Peak 4	0.0412	0.0558	0.0521			Lin1	0	0.0529							0.9990		0.9900
PCB-1268 Peak 5	0.4782	0.4057	0.3458			Lin1	0.0031	0.3550							0.9960		0.9900

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1 Analy Batch No.: 357246

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/13/2017 11:27 Calibration End Date: 05/13/2017 12:34 Calibration ID: 30550

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-357246/6	12_390m_253.D
Level 2	IC 480-357246/5	12_390m_252.D
Level 3	IC 480-357246/4	12_390m_251.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
PCB-1242 Peak 1	BNB	Lin1	3546	73080	293045			0.0200	0.500	2.00		
PCB-1242 Peak 2	BNB	Lin1	1345	29671	122283			0.0200	0.500	2.00		
PCB-1242 Peak 3	BNB	Lin1	2425	39423	141804			0.0200	0.500	2.00		
PCB-1242 Peak 4	BNB	Lin1	1788	38454	144501			0.0200	0.500	2.00		
PCB-1242 Peak 5	BNB	Lin1	1500	29307	113131			0.0200	0.500	2.00		
PCB-1268 Peak 1	BNB	Lin1	5858	125712	456518			0.0200	0.500	2.00		
PCB-1268 Peak 2	BNB	Lin1	8035	181615	650993			0.0200	0.500	2.00		
PCB-1268 Peak 3	BNB	Lin1	5017	130605	463744			0.0200	0.500	2.00		
PCB-1268 Peak 4	BNB	Lin1	1812	60113	226844			0.0200	0.500	2.00		
PCB-1268 Peak 5	BNB	Lin1	21028	437177	1506102			0.0200	0.500	2.00		

Curve Type Legend:
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_251.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 13-May-2017 11:27:32 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub4

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:44:07 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 15-May-2017 13:14:01

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.319	1.319	0.000	1214930	0.5000	0.5000	
2	1.615	1.617	-0.002	1088987	0.5000	0.5000	
						RPD = 0.00	
8 PCB-1242							M
1	2.672	2.690	-0.018	369463	2.00	1.96	
1	2.745	2.763	-0.018	150036	2.00	1.96	
1	3.153	3.170	-0.017	138818	2.00	1.98	
1	3.371	3.390	-0.019	225700	2.00	1.96	
1	3.505	3.521	-0.016	100501	2.00	1.98	
		Average of Peak Amounts =				1.97	
2	3.241	3.253	-0.012	293045	2.00	2.00	M
2	3.359	3.369	-0.010	122283	2.00	2.01	M
2	3.534	3.544	-0.010	141804	2.00	1.96	M
2	3.739	3.751	-0.012	144501	2.00	1.97	M
2	3.977	3.987	-0.010	113131	2.00	1.99	M
		Average of Peak Amounts =				1.99	
						RPD = 0.94	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
14 PCB-1268							
1	5.197	5.216	-0.019	482272	2.00	1.92	
1	5.235	5.255	-0.020	969217	2.00	1.96	
1	5.458	5.476	-0.018	536077	2.00	1.94	
1	5.609	5.627	-0.018	269307	2.00	1.98	
1	5.911	5.932	-0.021	1762050	2.00	1.94	
		Average of Peak Amounts =				1.95	
2	5.902	5.919	-0.017	456518	2.00	1.96	
2	5.946	5.961	-0.015	650993	2.00	1.95	
2	6.225	6.240	-0.015	463744	2.00	1.95	
2	6.441	6.457	-0.016	226844	2.00	1.97	
2	6.841	6.859	-0.018	1506102	2.00	1.94	
		Average of Peak Amounts =				1.95	
						RPD = 0.36	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

42-68w/IS@2.0_00005 Amount Added: 1.00 Units: mL

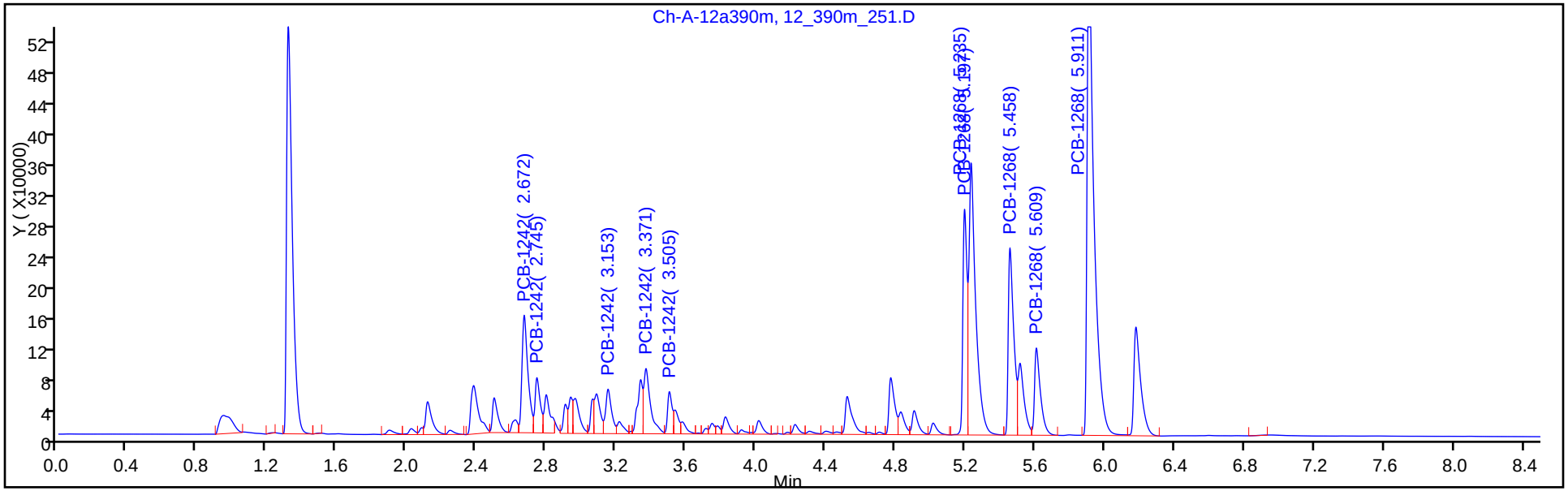
Report Date: 15-May-2017 13:44:07 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

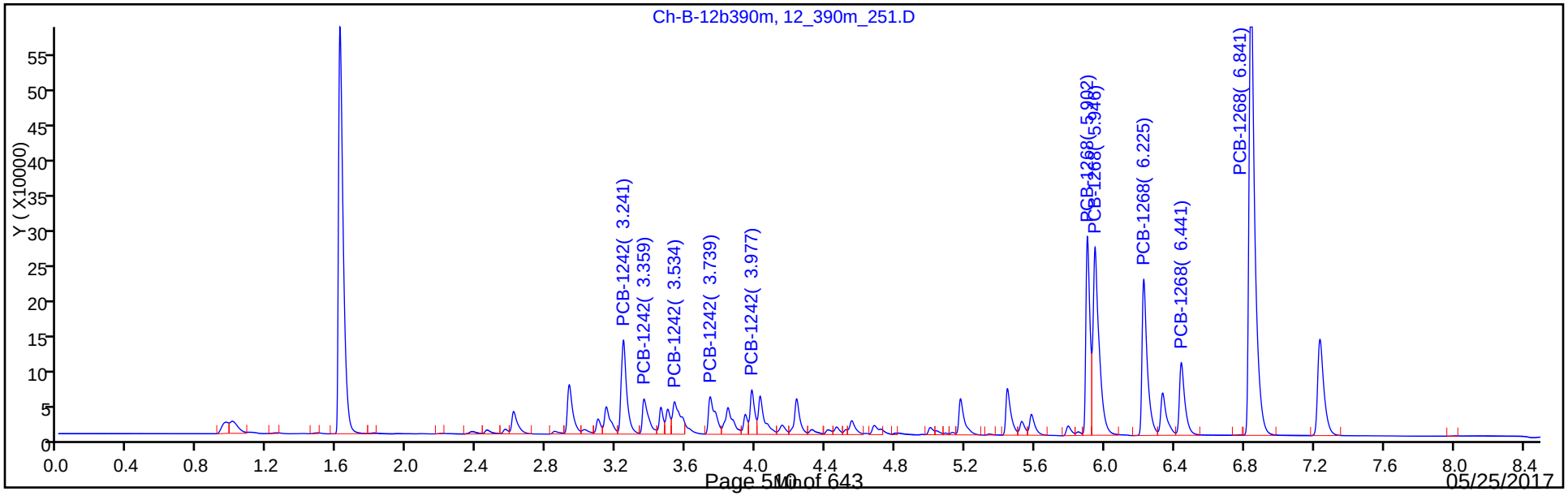
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Injection Date:	13-May-2017 11:27:32	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Report Date: 15-May-2017 13:44:08 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_251.D

Injection Date: 13-May-2017 11:27:32 Instrument ID: HP5890-12

Lims ID: IC 3

Client ID:

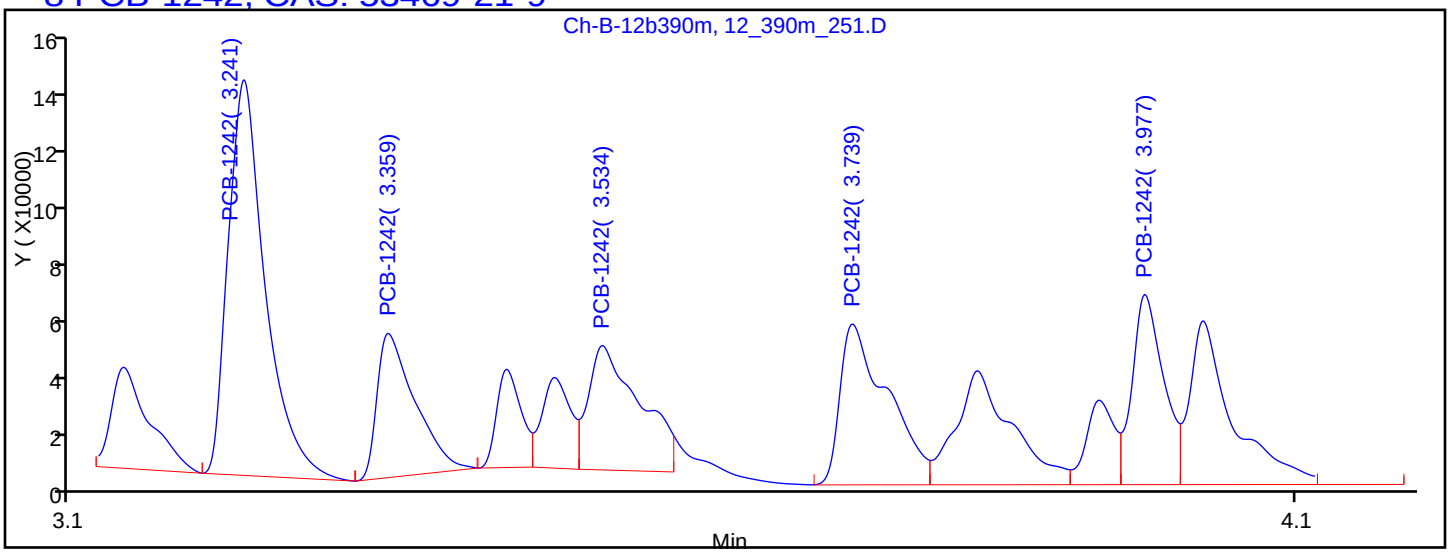
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 4

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

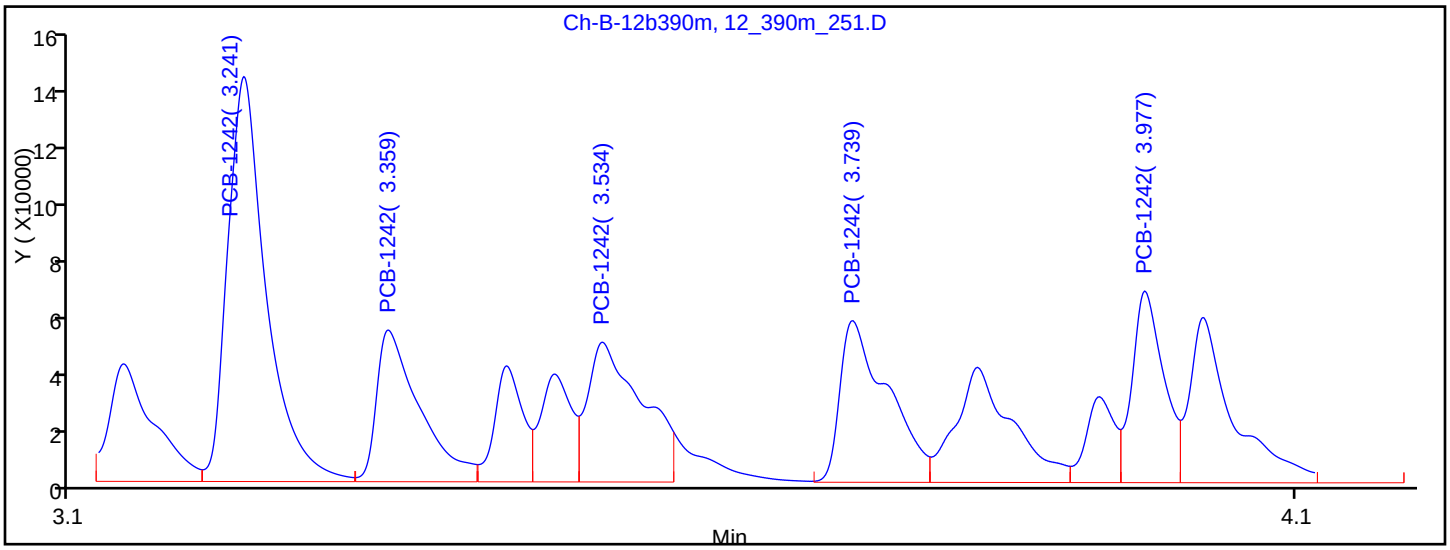
Column: Detector Ch-B-7b136

8 PCB-1242, CAS: 53469-21-9



Processing Integration Results

3.241	Response = 273795
3.359	Response = 101527
3.534	Response = 119209
3.739	Response = 142777
3.977	Response = 111706



Manual Integration Results

3.241	Response = 293045	M
3.359	Response = 122283	M
3.534	Response = 141804	M
3.739	Response = 144501	M
3.977	Response = 113131	M

Reviewer: owenj, 15-May-2017 13:13:52

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_252.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 13-May-2017 11:42:54 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub4

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:44:09 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 15-May-2017 13:14:19

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.319	1.319	0.000	1220981	0.5000	0.5000	
2	1.616	1.617	-0.001	1077513	0.5000	0.5000	
						RPD = 0.00	
8 PCB-1242							M
1	2.675	2.690	-0.015	103486	0.5000	0.5417	
1	2.748	2.763	-0.015	42207	0.5000	0.5402	
1	3.155	3.170	-0.015	37091	0.5000	0.5168	
1	3.373	3.390	-0.017	64171	0.5000	0.5464	
1	3.507	3.521	-0.014	27016	0.5000	0.5252	
		Average of Peak Amounts =				0.5341	
2	3.244	3.253	-0.009	73080	0.5000	0.5008	
2	3.363	3.369	-0.006	29671	0.5000	0.4913	
2	3.537	3.544	-0.007	39423	0.5000	0.5404	M
2	3.743	3.751	-0.008	38454	0.5000	0.5271	
2	3.981	3.987	-0.006	29307	0.5000	0.5149	
		Average of Peak Amounts =				0.5149	
						RPD = 3.65	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
14 PCB-1268							
1	5.200	5.216	-0.016	150697	0.5000	0.5860	
1	5.237	5.255	-0.018	267924	0.5000	0.5364	
1	5.460	5.476	-0.016	158677	0.5000	0.5629	
1	5.612	5.627	-0.015	71488	0.5000	0.5193	
1	5.913	5.932	-0.019	522912	0.5000	0.5652	
		Average of Peak Amounts =				0.5540	
2	5.905	5.919	-0.014	125712	0.5000	0.5410	
2	5.949	5.961	-0.012	181615	0.5000	0.5471	
2	6.229	6.240	-0.011	130605	0.5000	0.5529	
2	6.445	6.457	-0.012	60113	0.5000	0.5303	
2	6.844	6.859	-0.015	437177	0.5000	0.5627	
		Average of Peak Amounts =				0.5468	
						RPD = 1.30	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

42-68w/IS@0.5_00008 Amount Added: 1.00 Units: mL

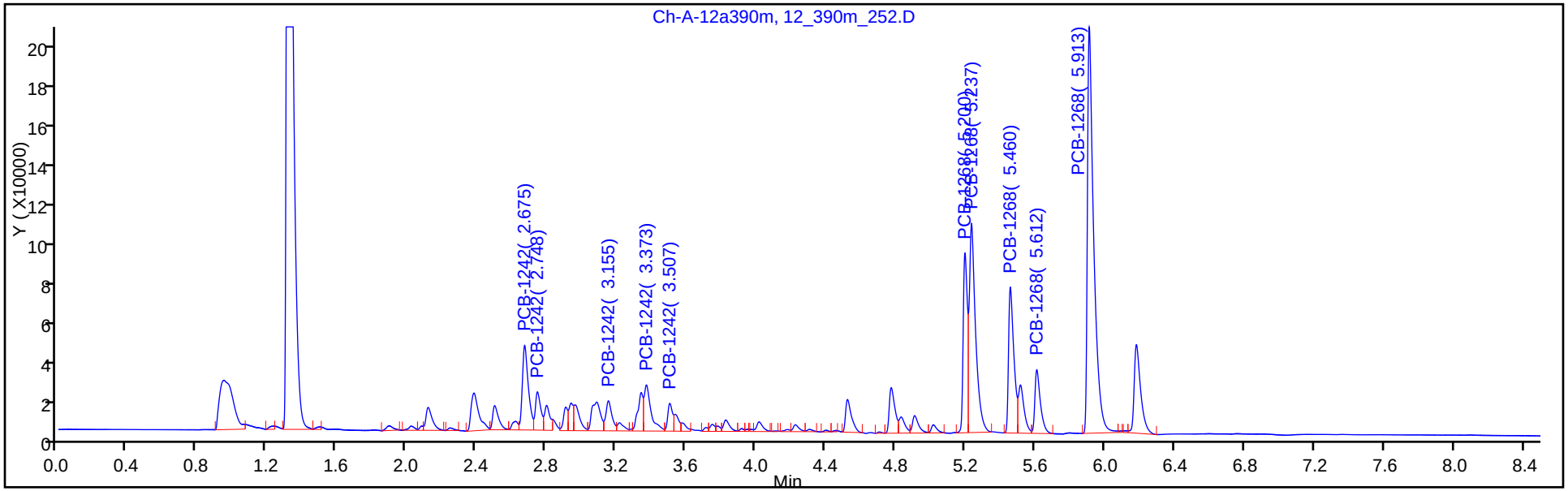
Report Date: 15-May-2017 13:44:10 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

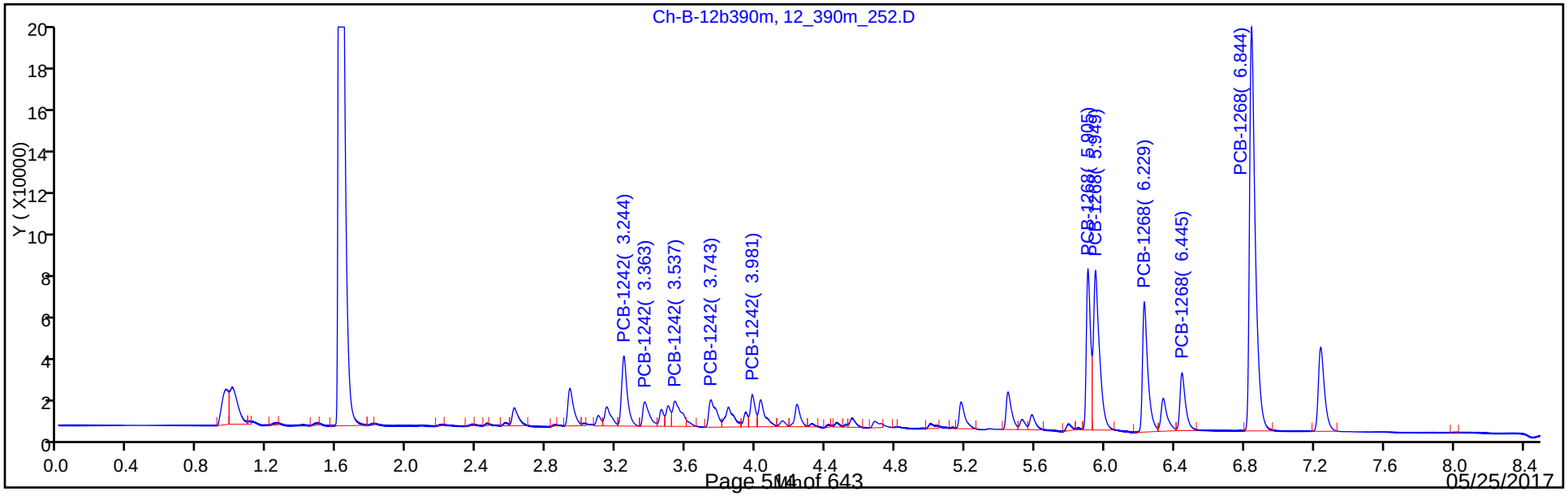
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Injection Date:	13-May-2017 11:42:54	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



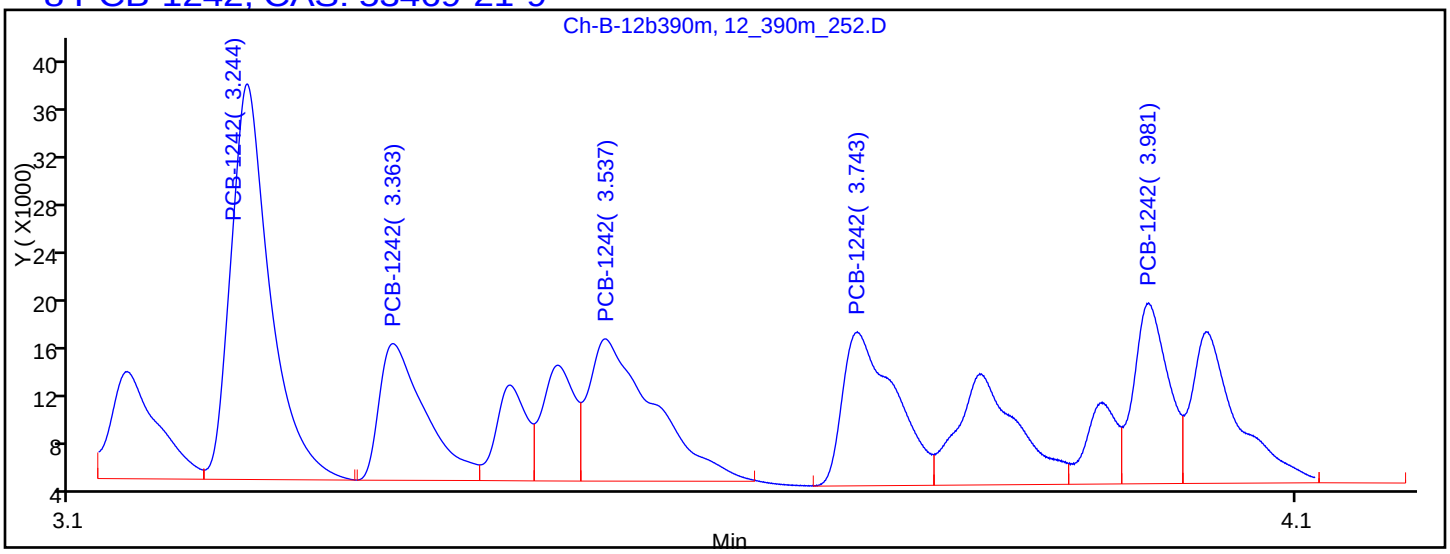
Report Date: 15-May-2017 13:44:10 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_252.D

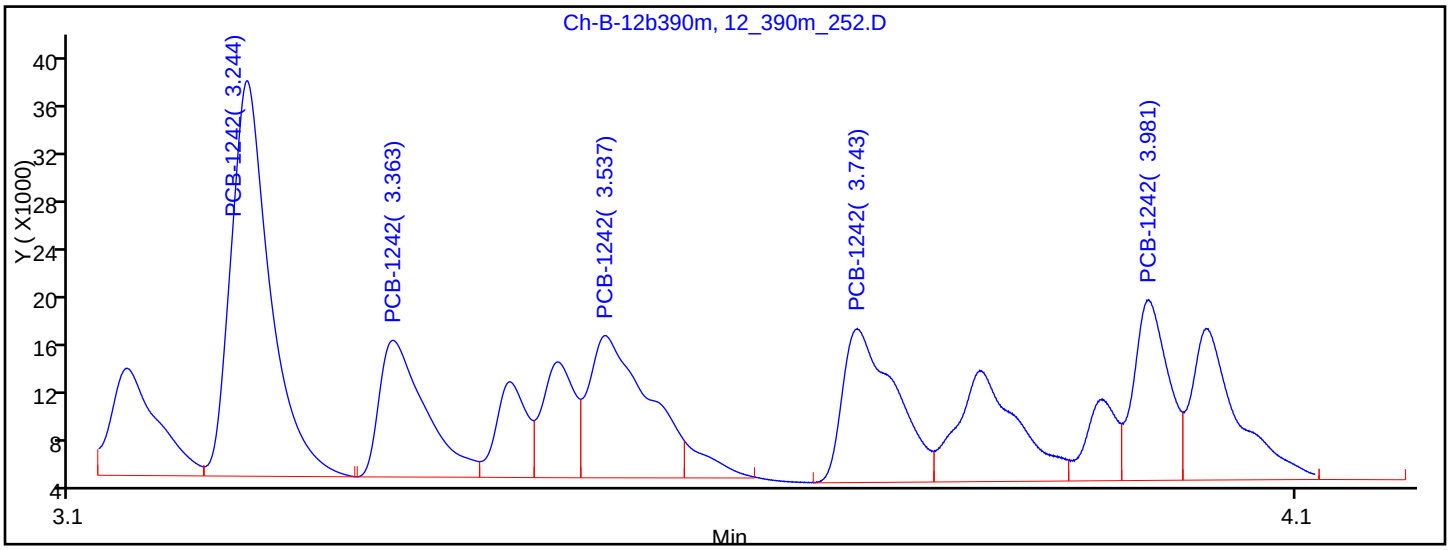
Injection Date:	13-May-2017 11:42:54	Instrument ID:	HP5890-12		
Lims ID:	IC 2				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

8 PCB-1242, CAS: 53469-21-9



Processing Integration Results

3.244	Response = 73080
3.363	Response = 29671
3.537	Response = 43891
3.743	Response = 38454
3.981	Response = 29307



Manual Integration Results

3.244	Response = 73080	
3.363	Response = 29671	
3.537	Response = 39423	M
3.743	Response = 38454	
3.981	Response = 29307	

Reviewer: owenj, 15-May-2017 13:14:15

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_253.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 13-May-2017 12:34:01 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub4

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:44:12 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 15-May-2017 13:16:03

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.321	1.321	0.000	1271814	0.5000	0.5000	
2	1.618	1.618	0.000	1099341	0.5000	0.5000	
						RPD = 0.00	
8 PCB-1242							M
1	2.690	2.690	0.000	4897	0.0200	0.0187	M
1	2.763	2.763	0.000	2454	0.0200	0.0188	M
1	3.170	3.170	0.000	2465	0.0200	0.0195	M
1	3.390	3.390	0.000	3369	0.0200	0.0186	
1	3.521	3.521	0.000	1254	0.0200	0.0192	
		Average of Peak Amounts =				0.0190	
2	3.253	3.253	0.000	3546	0.0200	0.0200	M
2	3.369	3.369	0.000	1345	0.0200	0.0203	M
2	3.544	3.544	0.000	2425	0.0200	0.0188	M
2	3.751	3.751	0.000	1788	0.0200	0.0192	M
2	3.987	3.987	0.000	1500	0.0200	0.0195	M
		Average of Peak Amounts =				0.0195	
						RPD = 3.01	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
14 PCB-1268							M
1	5.216	5.216	0.000	8298	0.0200	0.0174	M
1	5.255	5.255	0.000	12580	0.0200	0.0189	M
1	5.476	5.476	0.000	8550	0.0200	0.0181	M
1	5.627	5.627	0.000	3536	0.0200	0.0194	M
1	5.932	5.932	0.000	26053	0.0200	0.0180	M
		Average of Peak Amounts =				0.0184	
2	5.919	5.919	0.000	5858	0.0200	0.0188	
2	5.961	5.961	0.000	8035	0.0200	0.0186	
2	6.240	6.240	0.000	5017	0.0200	0.0184	M
2	6.457	6.457	0.000	1812	0.0200	0.0191	M
2	6.859	6.859	0.000	21028	0.0200	0.0181	
		Average of Peak Amounts =				0.0186	
						RPD = 1.17	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

42-68w/IS@.02_00005 Amount Added: 1.00 Units: mL

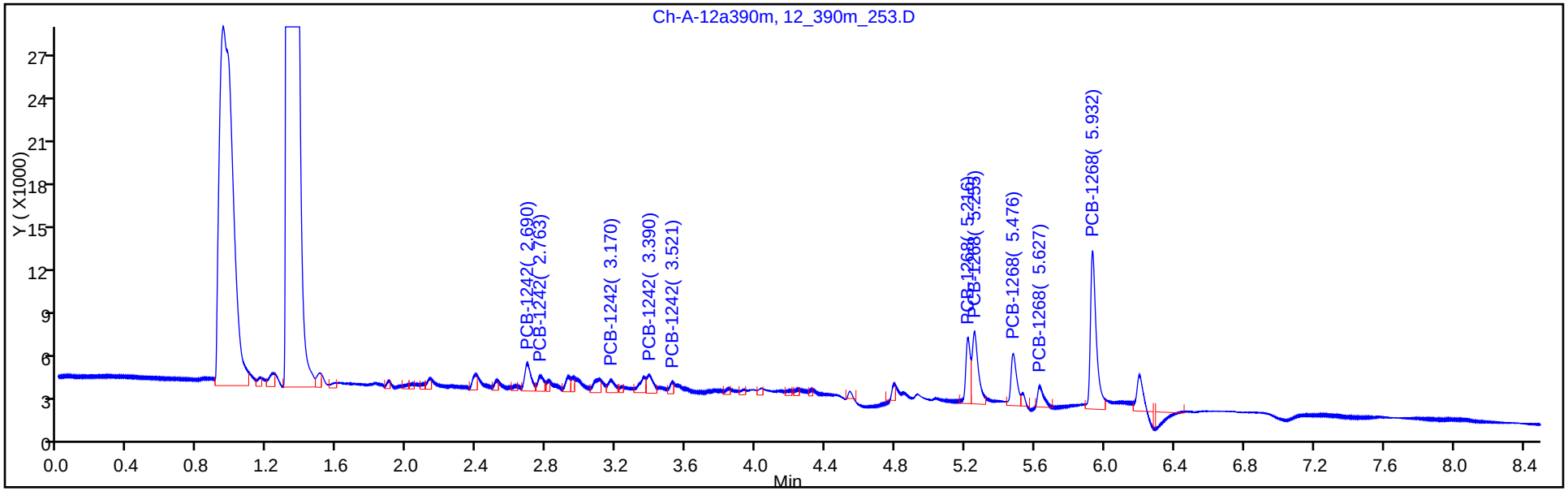
Report Date: 15-May-2017 13:44:12 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

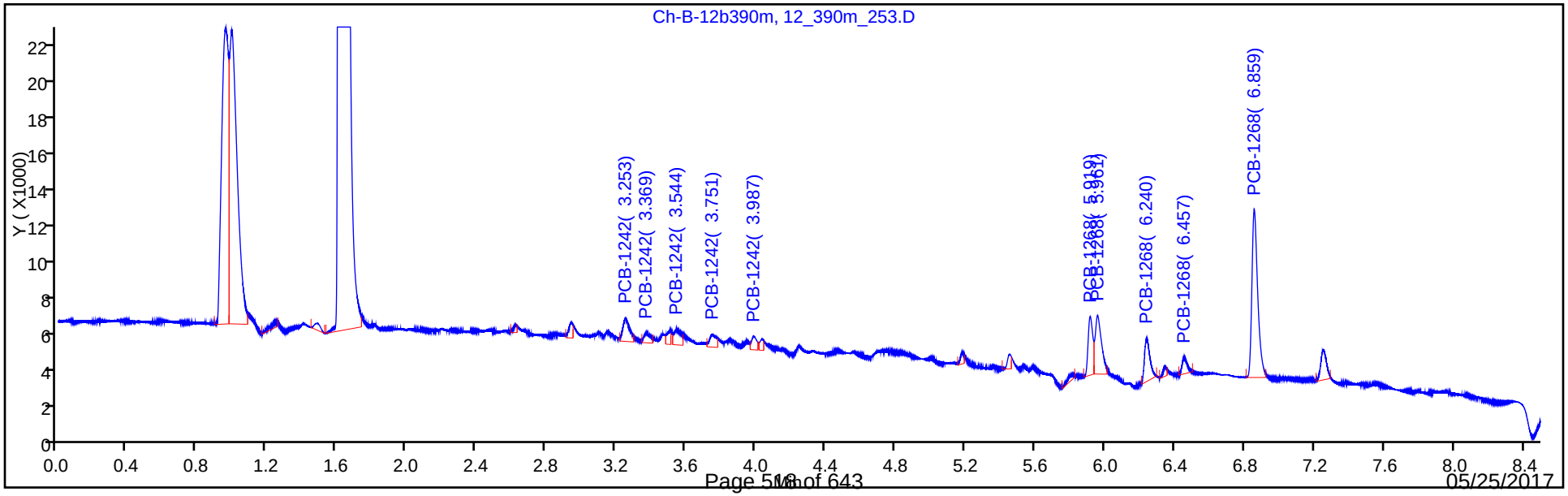
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_253.D

Injection Date:	13-May-2017 12:34:01	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 1			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Report Date: 15-May-2017 13:44:12 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_253.D

Injection Date: 13-May-2017 12:34:01 Instrument ID: HP5890-12

Lims ID: IC 1

Client ID:

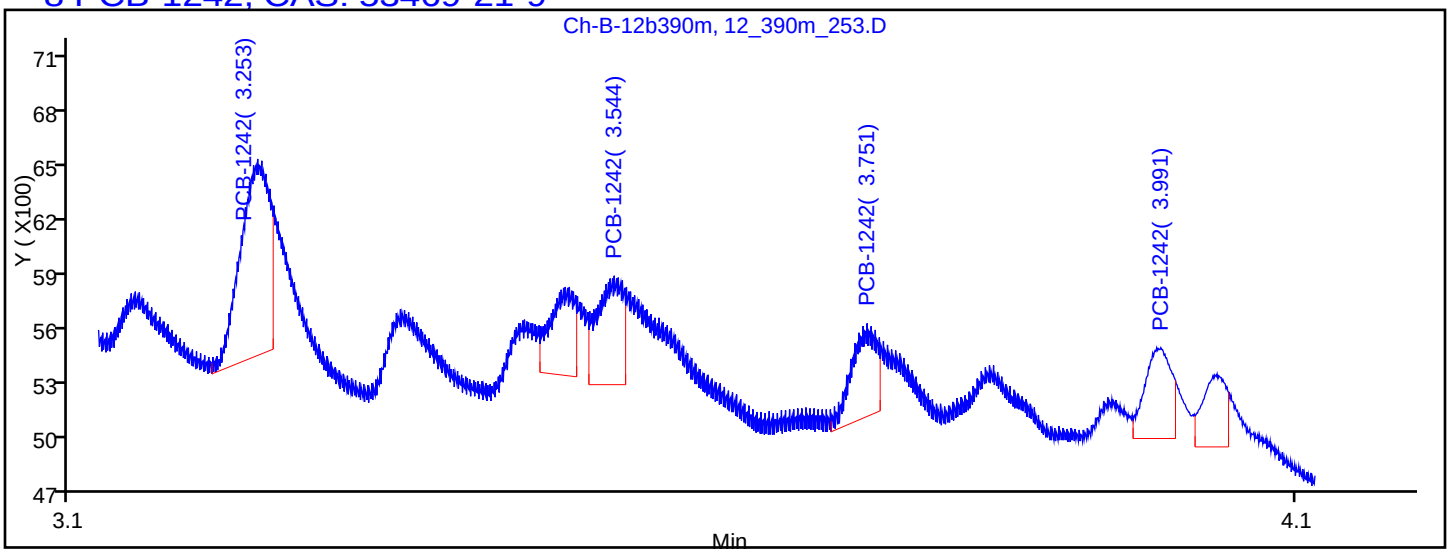
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 6

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

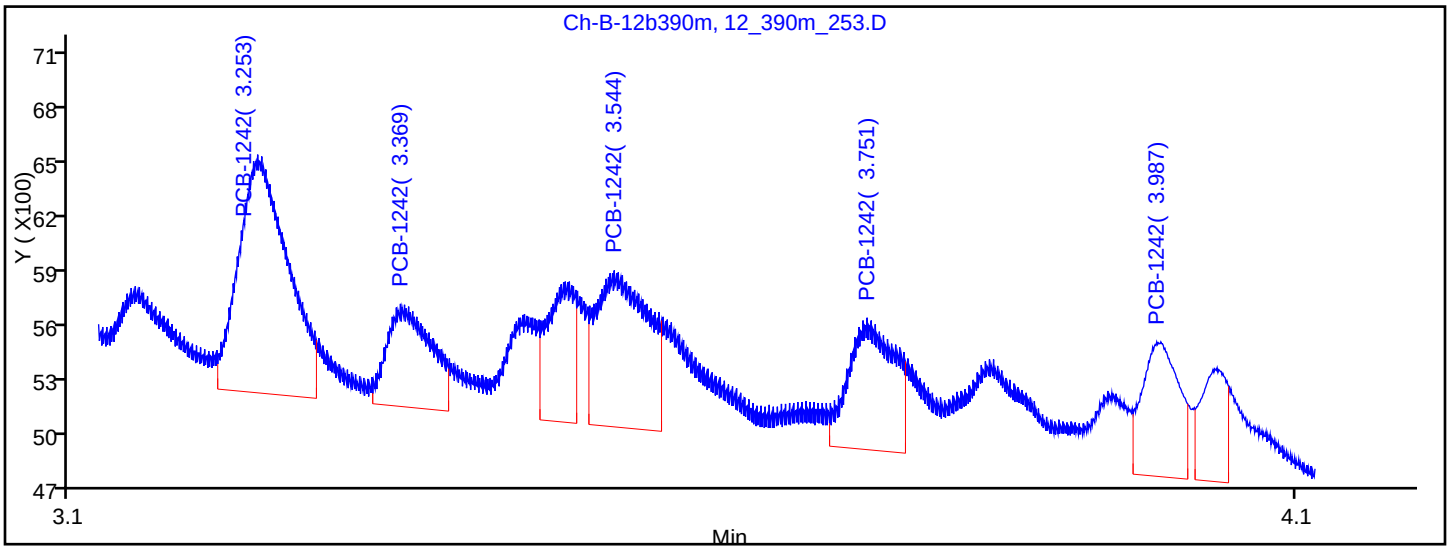
Column: Detector Ch-B-7b136

8 PCB-1242, CAS: 53469-21-9



Processing Integration Results

3.253	Response = 1712
3.369	Response = 0
3.544	Response = 822
3.751	Response = 685
3.991	Response = 719



Manual Integration Results

3.253	Response = 3546	M
3.369	Response = 1345	M
3.544	Response = 2425	M
3.751	Response = 1788	M
3.987	Response = 1500	M

Reviewer: owenj, 15-May-2017 13:15:56

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 15-May-2017 13:44:12 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_253.D

Injection Date: 13-May-2017 12:34:01 Instrument ID: HP5890-12

Lims ID: IC 1

Client ID:

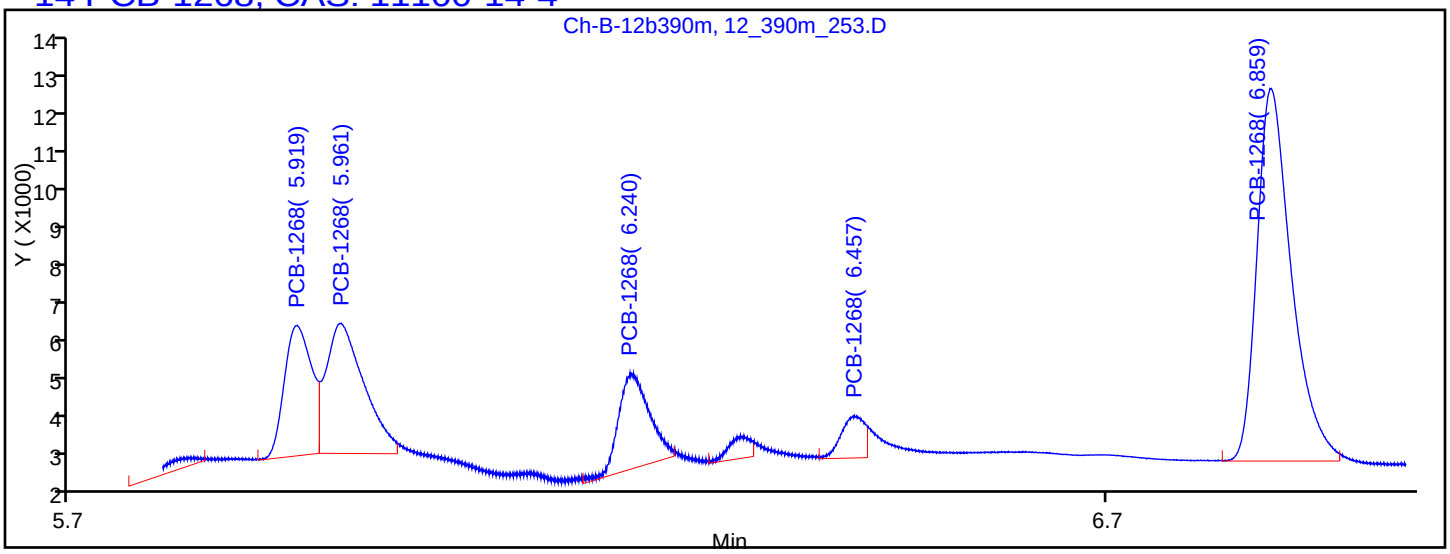
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 6

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

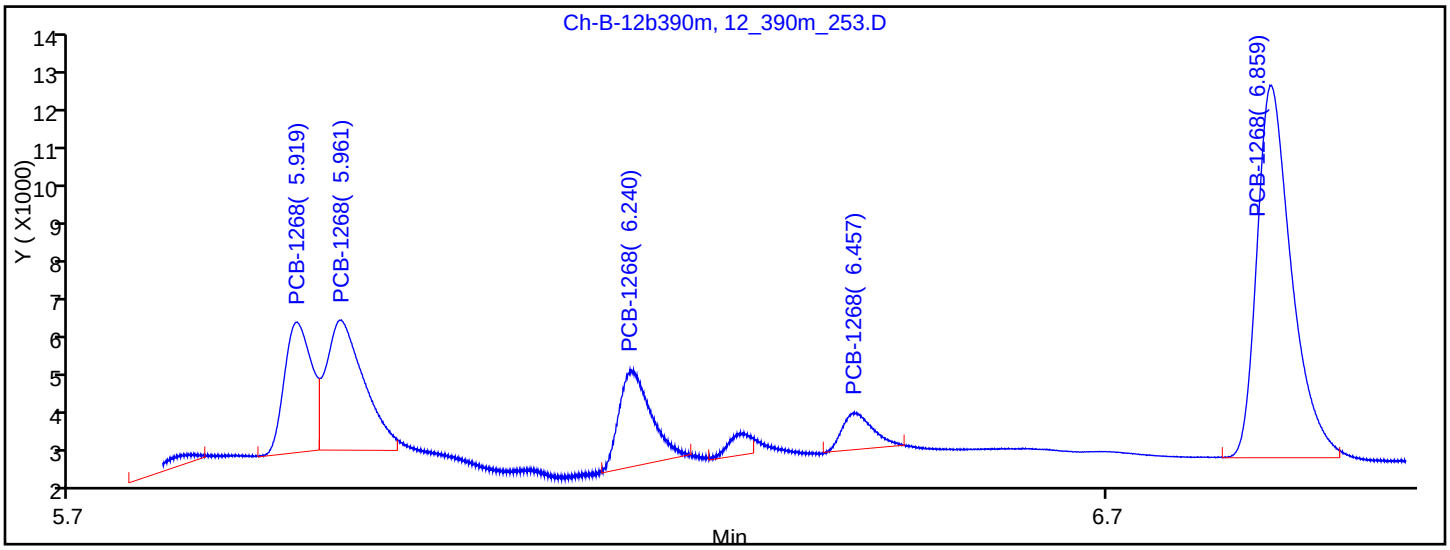
Column: Detector Ch-B-7b136

14 PCB-1268, CAS: 11100-14-4



Processing Integration Results

5.919	Response = 5858
5.961	Response = 8035
6.240	Response = 4838
6.457	Response = 1606
6.859	Response = 21028



Manual Integration Results

5.919	Response = 5858	
5.961	Response = 8035	
6.240	Response = 5017	M
6.457	Response = 1812	M
6.859	Response = 21028	

Reviewer: owenj, 15-May-2017 13:15:24

Audit Action: Manually Integrated Audit Reason: Baseline Smoothing

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1 Analy Batch No.: 357246

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/13/2017 13:04 Calibration End Date: 05/13/2017 13:35 Calibration ID: 30555

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-357246/10	12_390m_257.D
Level 2	IC 480-357246/9	12_390m_256.D
Level 3	IC 480-357246/8	12_390m_255.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3				B	M1	M2								
PCB-1248 Peak 1	0.0380	0.0255	0.0239			Lin1	0.0003	0.0239							1.0000		0.9900
PCB-1248 Peak 2	0.0505	0.0541	0.0481			Ave		0.0509				6.0		20.0			
PCB-1248 Peak 3	0.0712	0.0636	0.0596			Lin1	0.0003	0.0602							0.9990		0.9900
PCB-1248 Peak 4	0.0919	0.1137	0.0971			Lin1	0	0.1003							0.9950		0.9900
PCB-1248 Peak 5	0.0363	0.0381	0.0333			Lin1	0.0001	0.0342							0.9970		0.9900

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1 Analy Batch No.: 357246

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/13/2017 13:04 Calibration End Date: 05/13/2017 13:35 Calibration ID: 30555

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-357246/10	12_390m_257.D
Level 2	IC 480-357246/9	12_390m_256.D
Level 3	IC 480-357246/8	12_390m_255.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
PCB-1248 Peak 1	BNB	Lin1	1900	24981	95422			0.0200	0.500	2.00		
PCB-1248 Peak 2	BNB	Ave	2526	52994	192298			0.0200	0.500	2.00		
PCB-1248 Peak 3	BNB	Lin1	3557	62236	238393			0.0200	0.500	2.00		
PCB-1248 Peak 4	BNB	Lin1	4594	111348	388398			0.0200	0.500	2.00		
PCB-1248 Peak 5	BNB	Lin1	1813	37302	133165			0.0200	0.500	2.00		

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_255.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 13-May-2017 13:04:43 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub5

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:44:19 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 15-May-2017 13:20:00

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.319	1.321	-0.002	999992	0.5000	0.5000	
2	1.616	1.618	-0.002	917891	0.5000	0.5000	
						RPD = 0.00	
10 PCB-1248							M
1	2.940	2.940	0.000	95422	2.00	1.98	M
1	3.154	3.157	-0.003	192298	2.00	1.89	M
1	3.341	3.345	-0.004	238393	2.00	1.98	M
1	3.372	3.375	-0.003	388398	2.00	1.94	M
1	3.541	3.543	-0.002	133165	2.00	1.95	M
		Average of Peak Amounts =				1.95	
2	3.535	3.539	-0.004	93778	2.00	1.92	M
2	3.737	3.741	-0.004	119745	2.00	1.97	
2	3.979	3.983	-0.004	179818	2.00	1.95	a
2	4.026	4.029	-0.003	150933	2.00	1.98	a
2	4.235	4.238	-0.003	181538	2.00	1.98	
		Average of Peak Amounts =				1.96	
						RPD = 0.74	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

1248w/IS@ 2.0_00005 Amount Added: 1.00 Units: mL

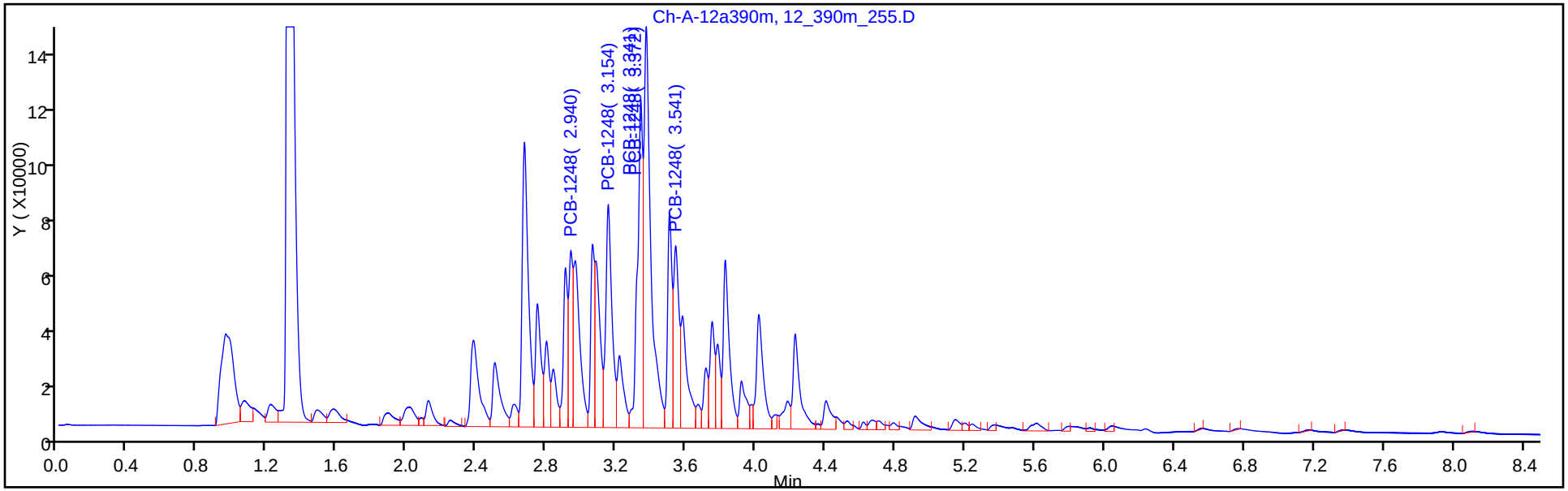
Report Date: 15-May-2017 13:44:19 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

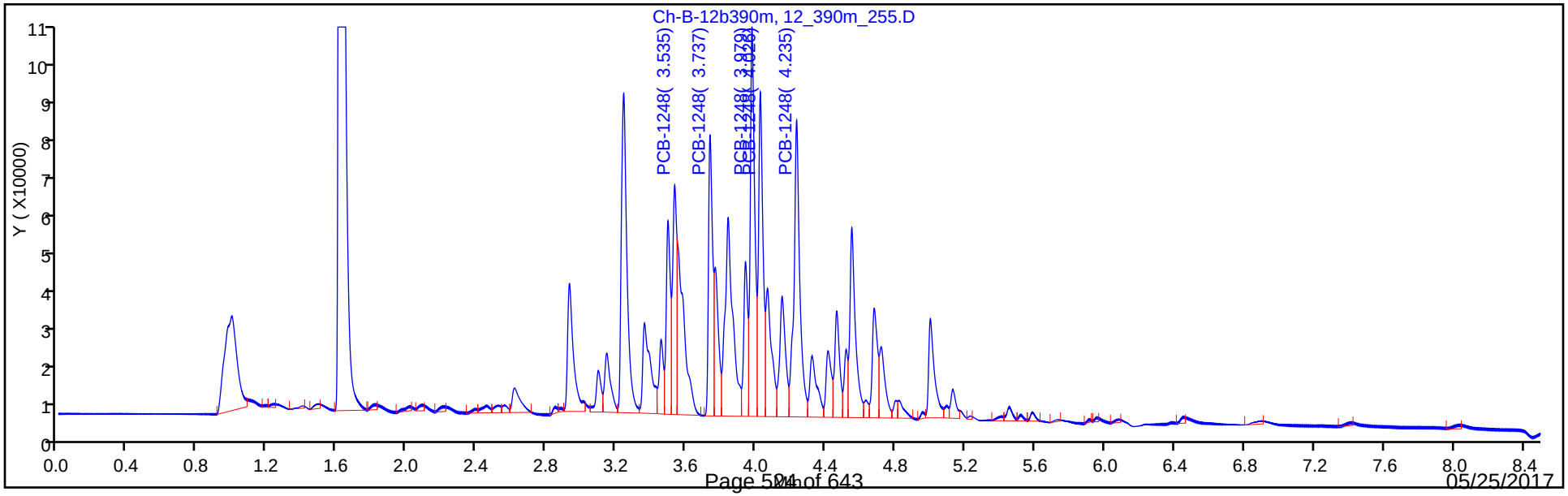
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_255.D

Injection Date:	13-May-2017 13:04:43	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Report Date: 15-May-2017 13:44:19 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_255.D

Injection Date: 13-May-2017 13:04:43 Instrument ID: HP5890-12

Lims ID: IC 3

Client ID:

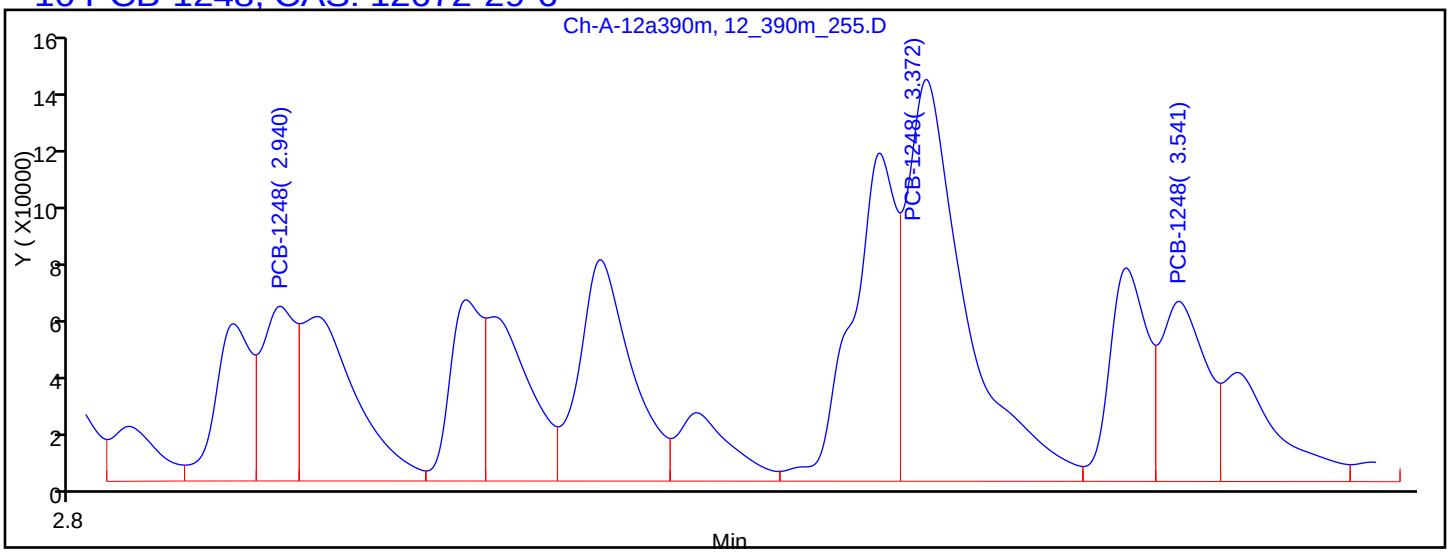
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 8

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

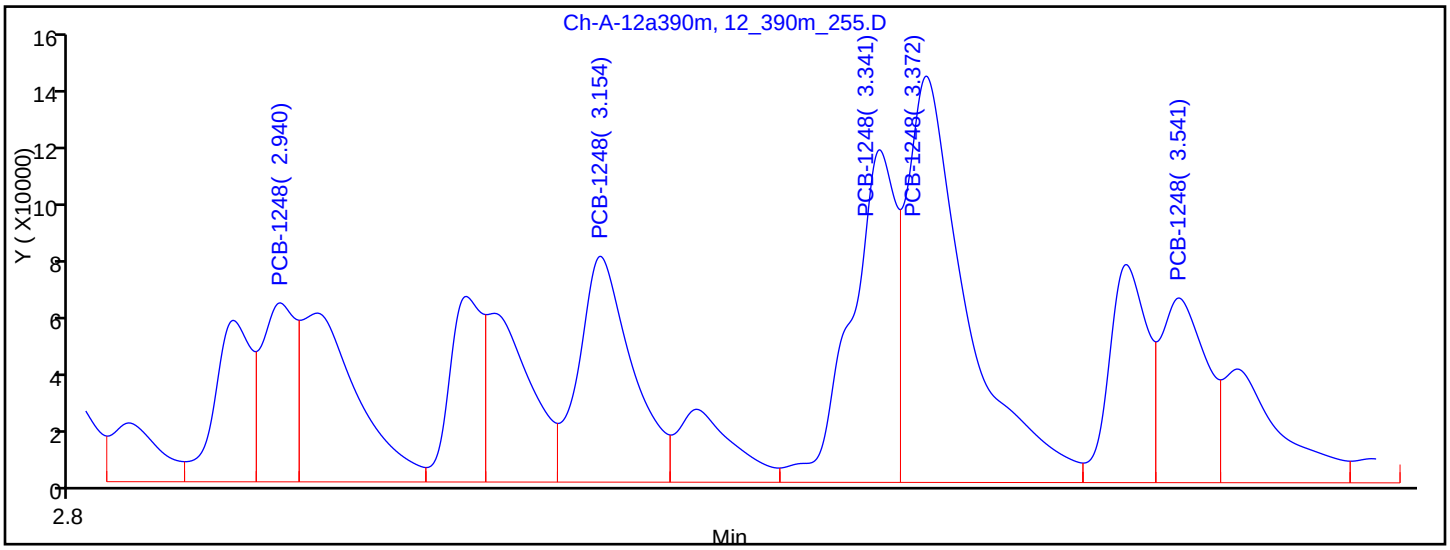
Column: Detector Ch-A-7A136

10 PCB-1248, CAS: 12672-29-6



Processing Integration Results

2.940	Response = 92869
3.065	Response = 92914
3.154	Response = 185280
3.372	Response = 376657
3.541	Response = 129007



Manual Integration Results

2.940	Response = 95422	M
3.154	Response = 192298	M
3.341	Response = 238393	M
3.372	Response = 388398	M
3.541	Response = 133165	M

Reviewer: owenj, 15-May-2017 13:27:56

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_256.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 13-May-2017 13:20:03 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub5

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:44:21 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 15-May-2017 13:20:30

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.319	1.321	-0.002	978936	0.5000	0.5000	
2	1.616	1.618	-0.002	907939	0.5000	0.5000	
						RPD = 0.00	
10 PCB-1248							M
1	2.941	2.940	0.001	24981	0.5000	0.5205	M
1	3.157	3.157	0.000	52994	0.5000	0.5316	
1	3.343	3.345	-0.002	62236	0.5000	0.5239	
1	3.375	3.375	0.000	111348	0.5000	0.5666	
1	3.543	3.543	0.000	37302	0.5000	0.5550	
		Average of Peak Amounts =				0.5395	
2	3.537	3.539	-0.002	28873	0.5000	0.5800	M
2	3.741	3.741	0.000	32764	0.5000	0.5335	M
2	3.981	3.983	-0.002	51166	0.5000	0.5501	a
2	4.029	4.029	0.000	40094	0.5000	0.5213	a
2	4.237	4.238	-0.001	48012	0.5000	0.5218	
		Average of Peak Amounts =				0.5413	
						RPD = 0.34	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

1248w/IS@ 0.5_00008 Amount Added: 1.00 Units: mL

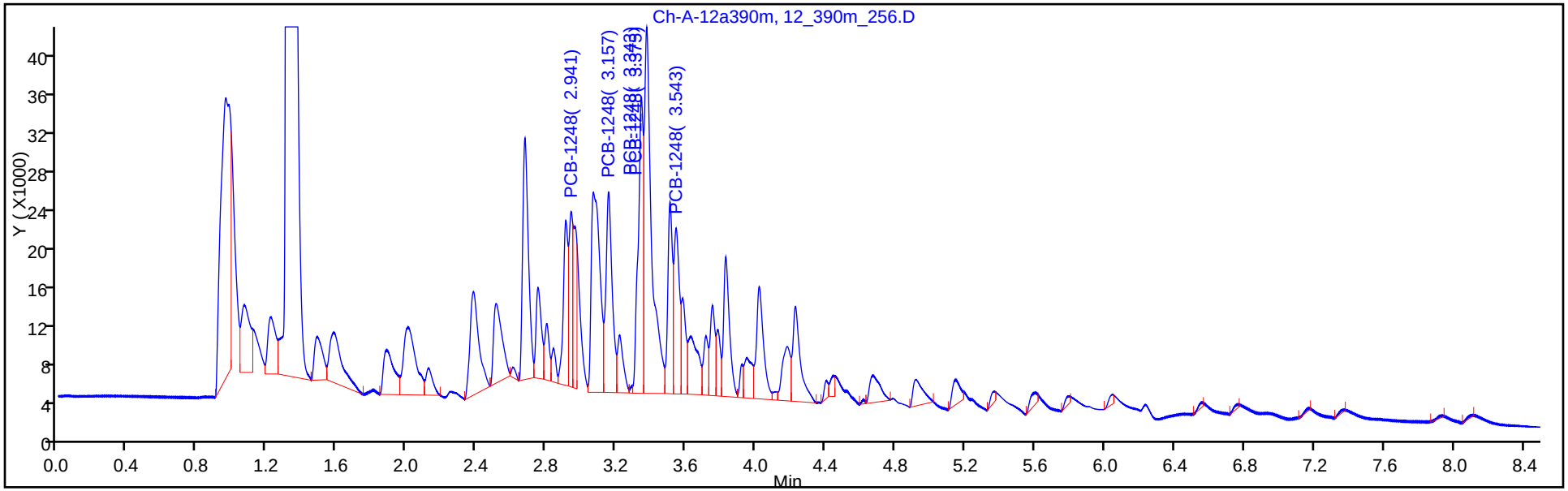
Report Date: 15-May-2017 13:44:22 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

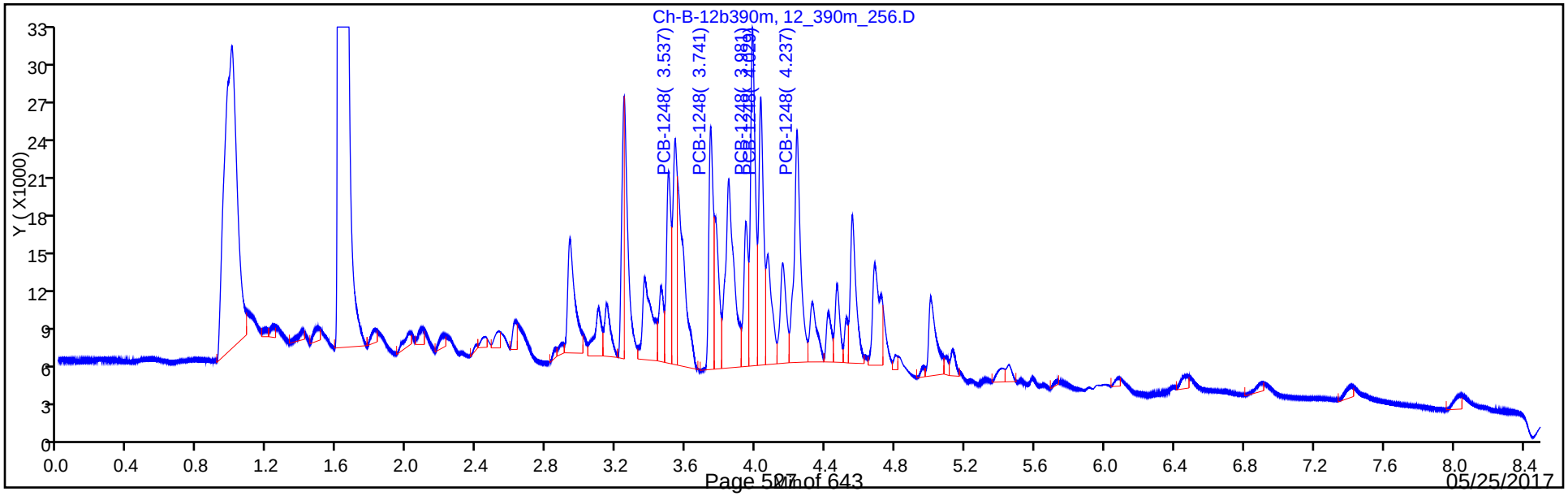
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_256.D

Injection Date:	13-May-2017 13:20:03	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Report Date: 15-May-2017 13:44:22 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_256.D

Injection Date: 13-May-2017 13:20:03 Instrument ID: HP5890-12

Lims ID: IC 2

Client ID:

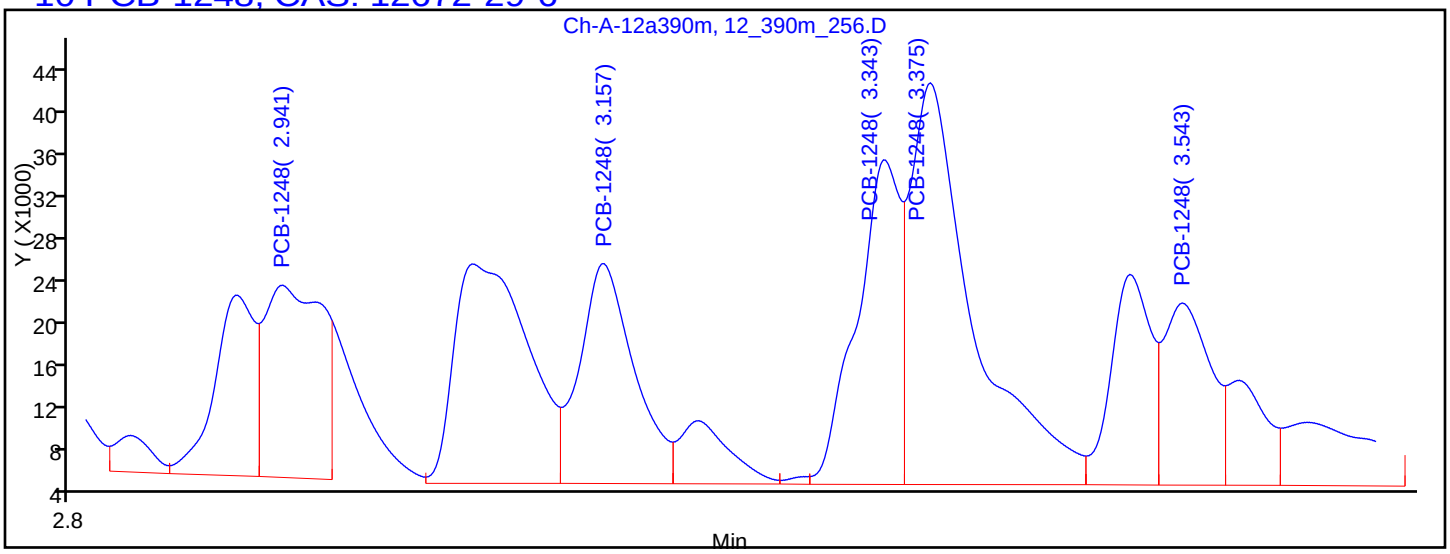
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 9

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

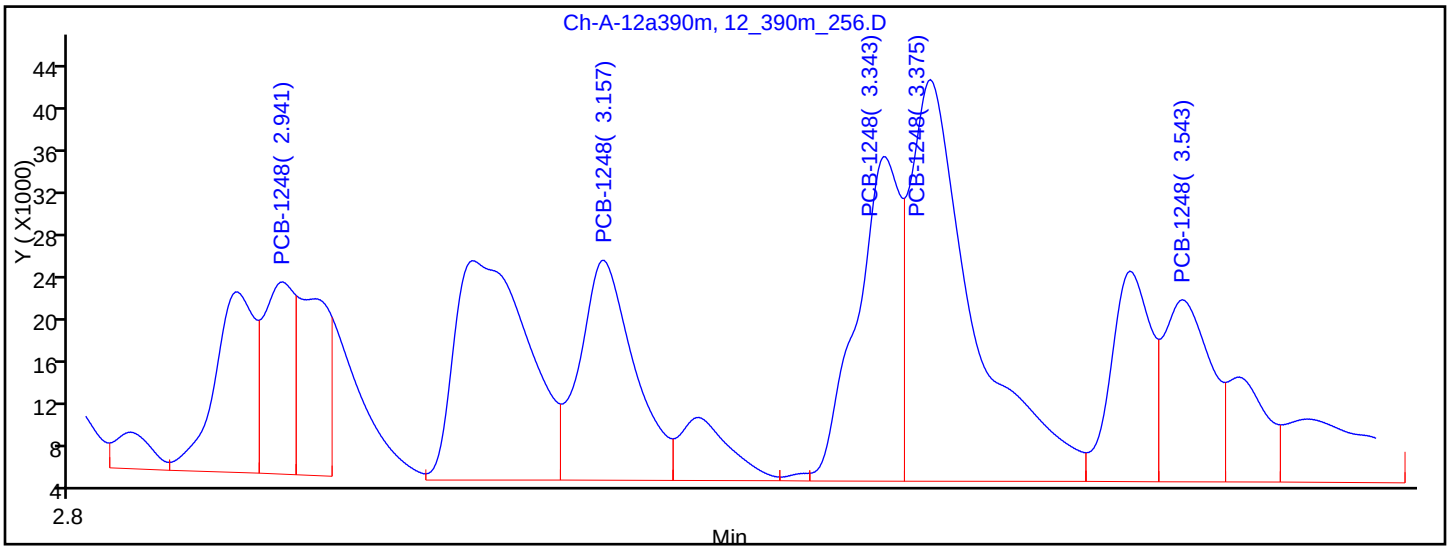
Column: Detector Ch-A-7A136

10 PCB-1248, CAS: 12672-29-6



Processing Integration Results

2.941	Response = 48655
3.157	Response = 52994
3.343	Response = 62236
3.375	Response = 111348
3.543	Response = 37302



Manual Integration Results

2.941	Response = 24981	M
3.157	Response = 52994	
3.343	Response = 62236	
3.375	Response = 111348	
3.543	Response = 37302	

Reviewer: owenj, 15-May-2017 13:33:35

Audit Action: Split an Integrated Peak Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 13-May-2017 13:35:27 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub5

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:44:24 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 15-May-2017 13:21:37

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							M
1	1.319	1.319	0.000	1249260	0.5000	0.5000	M
2	1.617	1.617	0.000	1080655	0.5000	0.5000	
						RPD = 0.00	
10 PCB-1248							M
1	2.940	2.940	0.000	1900	0.0200	0.0194	M
1	3.157	3.157	0.000	2526	0.0200	0.0199	
1	3.345	3.345	0.000	3557	0.0200	0.0193	
1	3.375	3.375	0.000	4594	0.0200	0.0180	
1	3.543	3.543	0.000	1813	0.0200	0.0183	M
		Average of Peak Amounts =				0.0190	
2	3.539	3.539	0.000	2510	0.0200	0.0176	M
2	3.741	3.741	0.000	2406	0.0200	0.0190	M
2	3.983	3.983	0.000	3692	0.0200	0.0185	M
2	4.029	4.029	0.000	2970	0.0200	0.0194	M
2	4.238	4.238	0.000	3151	0.0200	0.0193	M
		Average of Peak Amounts =				0.0187	
						RPD = 1.16	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

1248w/IS@ .02_00005 Amount Added: 1.00 Units: mL

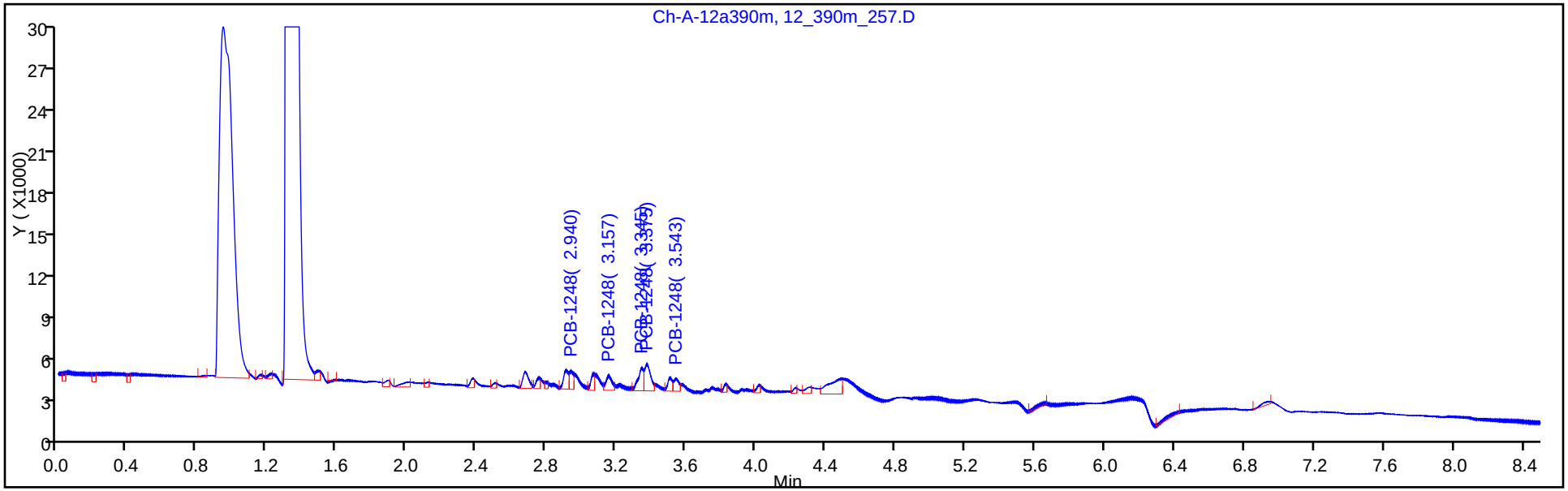
Report Date: 15-May-2017 13:44:24 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

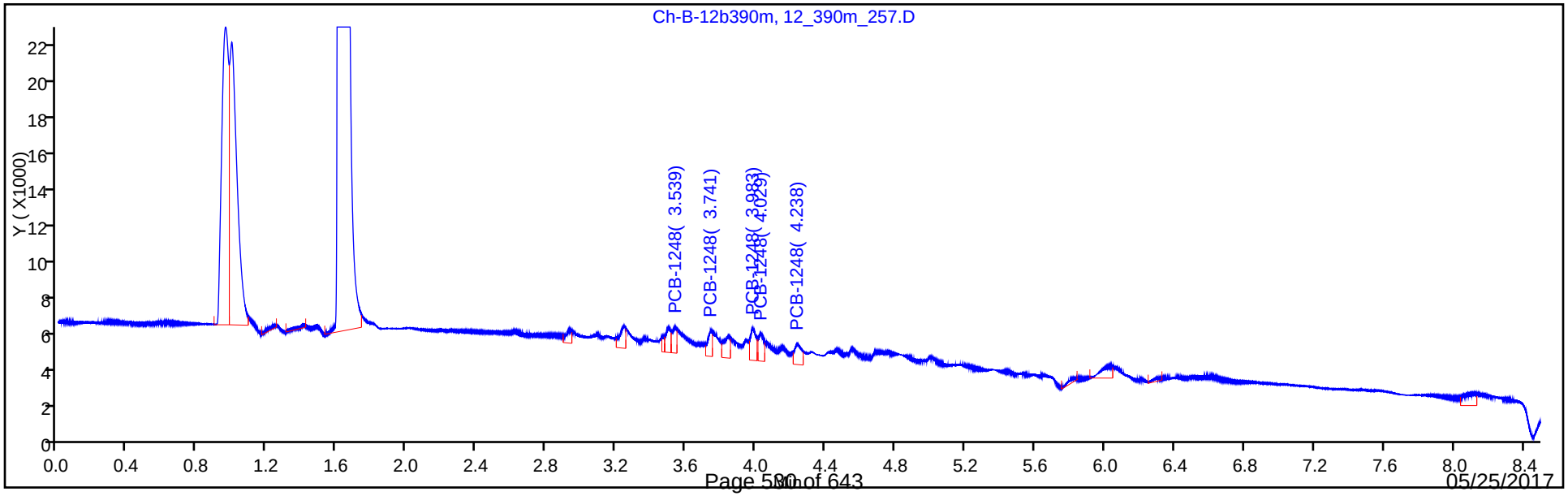
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Injection Date:	13-May-2017 13:35:27	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 1			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

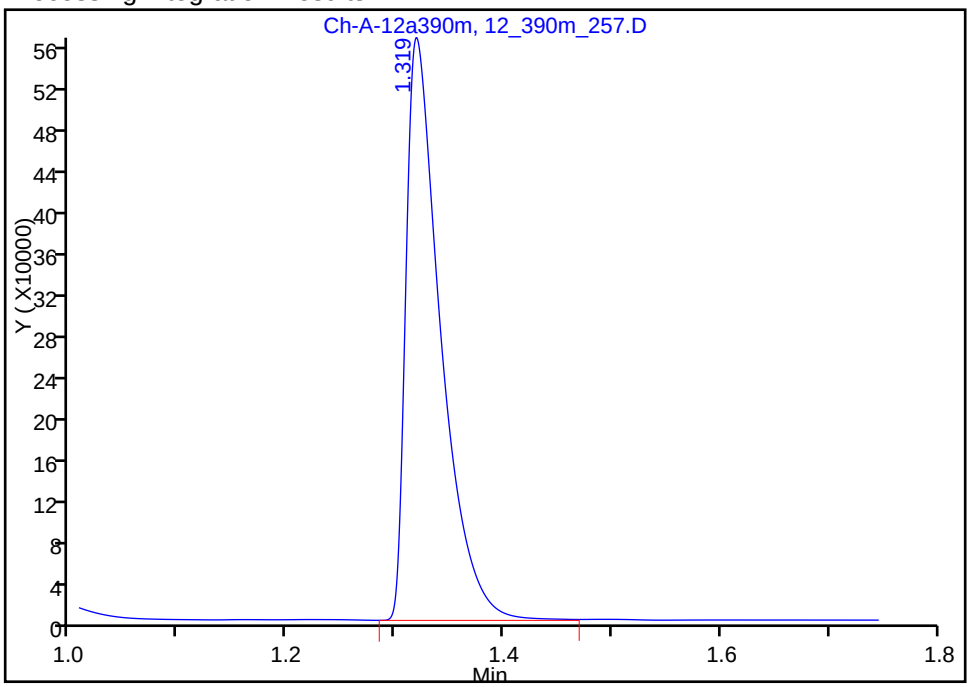
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D
Injection Date: 13-May-2017 13:35:27 Instrument ID: HP5890-12
Lims ID: IC 1
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

* 1 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

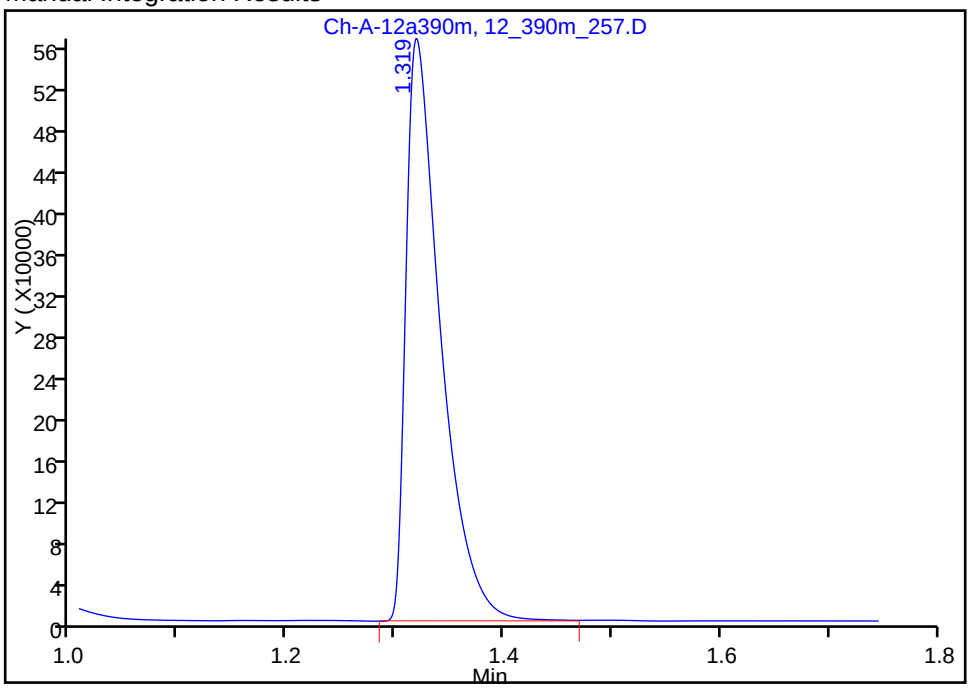
Processing Integration Results

RT: 1.32
Area: 1253537
Amount: 0.500000
Amount Units: ng/uL



Manual Integration Results

RT: 1.32
Area: 1249260
Amount: 0.500000
Amount Units: ng/uL



Reviewer: owenj, 15-May-2017 13:34:30
Audit Action: Assigned New Baseline Audit Reason: Split Peak

Report Date: 15-May-2017 13:44:24 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Injection Date: 13-May-2017 13:35:27 Instrument ID: HP5890-12

Lims ID: IC 1

Client ID:

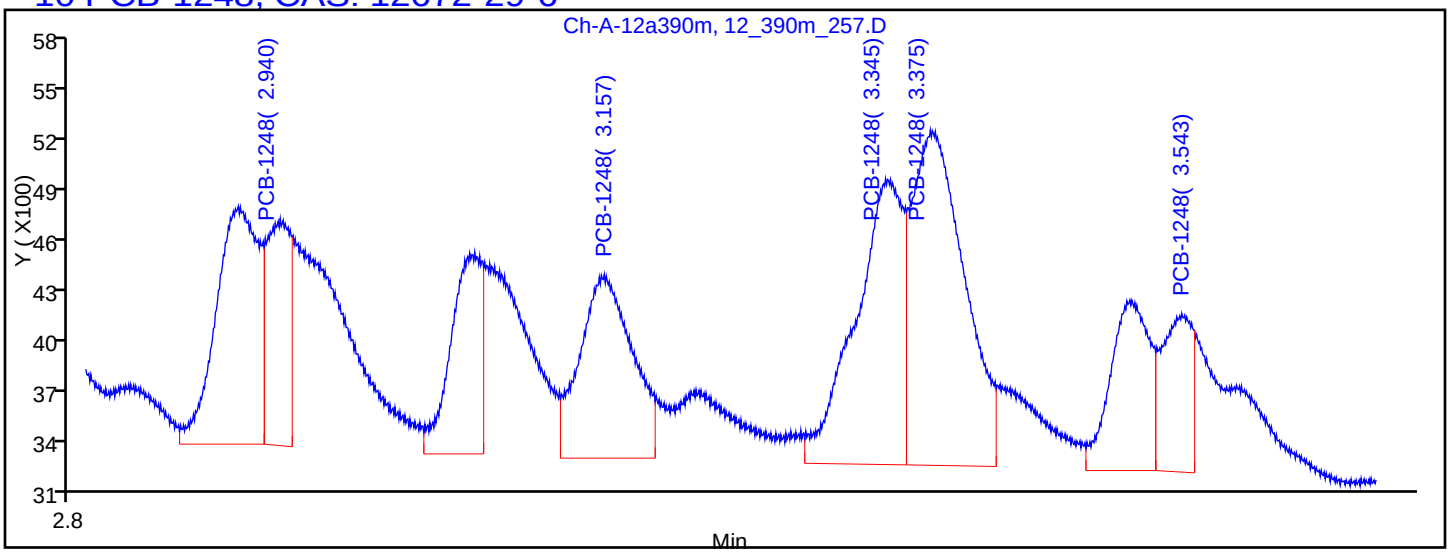
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 10

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

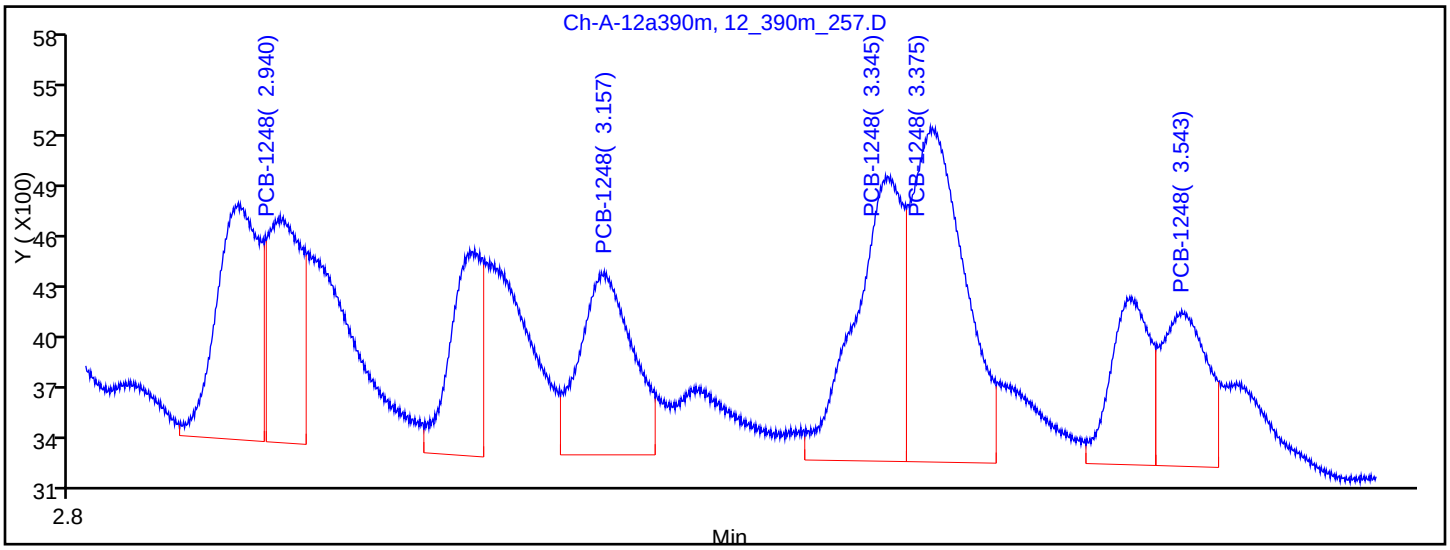
Column: Detector Ch-A-7A136

10 PCB-1248, CAS: 12672-29-6



Processing Integration Results

2.940	Response = 1359
3.157	Response = 2526
3.345	Response = 3557
3.375	Response = 4594
3.543	Response = 1243



Manual Integration Results

2.940	Response = 1900	M
3.157	Response = 2526	
3.345	Response = 3557	
3.375	Response = 4594	
3.543	Response = 1813	M

Reviewer: owenj, 15-May-2017 13:34:08

Audit Action: Assigned New Baseline Audit Reason: Split Peak

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1 Analy Batch No.: 357246

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/13/2017 13:04 Calibration End Date: 05/13/2017 13:35 Calibration ID: 30556

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-357246/10	12_390m_257.D
Level 2	IC 480-357246/9	12_390m_256.D
Level 3	IC 480-357246/8	12_390m_255.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3				B	M1	M2								
PCB-1248 Peak 1	0.0581	0.0318	0.0255			Lin1	0.0007	0.0262							0.9930		0.9900
PCB-1248 Peak 2	0.0557	0.0361	0.0326			Lin1	0.0005	0.0329							0.9990		0.9900
PCB-1248 Peak 3	0.0854	0.0564	0.0490			Lin1	0.0008	0.0498							0.9970		0.9900
PCB-1248 Peak 4	0.0687	0.0442	0.0411			Lin1	0.0006	0.0412							1.0000		0.9900
PCB-1248 Peak 5	0.0729	0.0529	0.0494			Lin1	0.0005	0.0497							0.9990		0.9900

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1 Analy Batch No.: 357246

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/13/2017 13:04 Calibration End Date: 05/13/2017 13:35 Calibration ID: 30556

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-357246/10	12_390m_257.D
Level 2	IC 480-357246/9	12_390m_256.D
Level 3	IC 480-357246/8	12_390m_255.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
PCB-1248 Peak 1	BNB	Lin1	2510	28873	93778			0.0200	0.500	2.00		
PCB-1248 Peak 2	BNB	Lin1	2406	32764	119745			0.0200	0.500	2.00		
PCB-1248 Peak 3	BNB	Lin1	3692	51166	179818			0.0200	0.500	2.00		
PCB-1248 Peak 4	BNB	Lin1	2970	40094	150933			0.0200	0.500	2.00		
PCB-1248 Peak 5	BNB	Lin1	3151	48012	181538			0.0200	0.500	2.00		

Curve Type Legend:
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_255.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 13-May-2017 13:04:43 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub5

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:44:19 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 15-May-2017 13:20:00

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.319	1.321	-0.002	999992	0.5000	0.5000	
2	1.616	1.618	-0.002	917891	0.5000	0.5000	
						RPD = 0.00	
10 PCB-1248							M
1	2.940	2.940	0.000	95422	2.00	1.98	M
1	3.154	3.157	-0.003	192298	2.00	1.89	M
1	3.341	3.345	-0.004	238393	2.00	1.98	M
1	3.372	3.375	-0.003	388398	2.00	1.94	M
1	3.541	3.543	-0.002	133165	2.00	1.95	M
		Average of Peak Amounts =				1.95	
2	3.535	3.539	-0.004	93778	2.00	1.92	M
2	3.737	3.741	-0.004	119745	2.00	1.97	
2	3.979	3.983	-0.004	179818	2.00	1.95	a
2	4.026	4.029	-0.003	150933	2.00	1.98	a
2	4.235	4.238	-0.003	181538	2.00	1.98	
		Average of Peak Amounts =				1.96	
						RPD = 0.74	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

1248w/IS@ 2.0_00005 Amount Added: 1.00 Units: mL

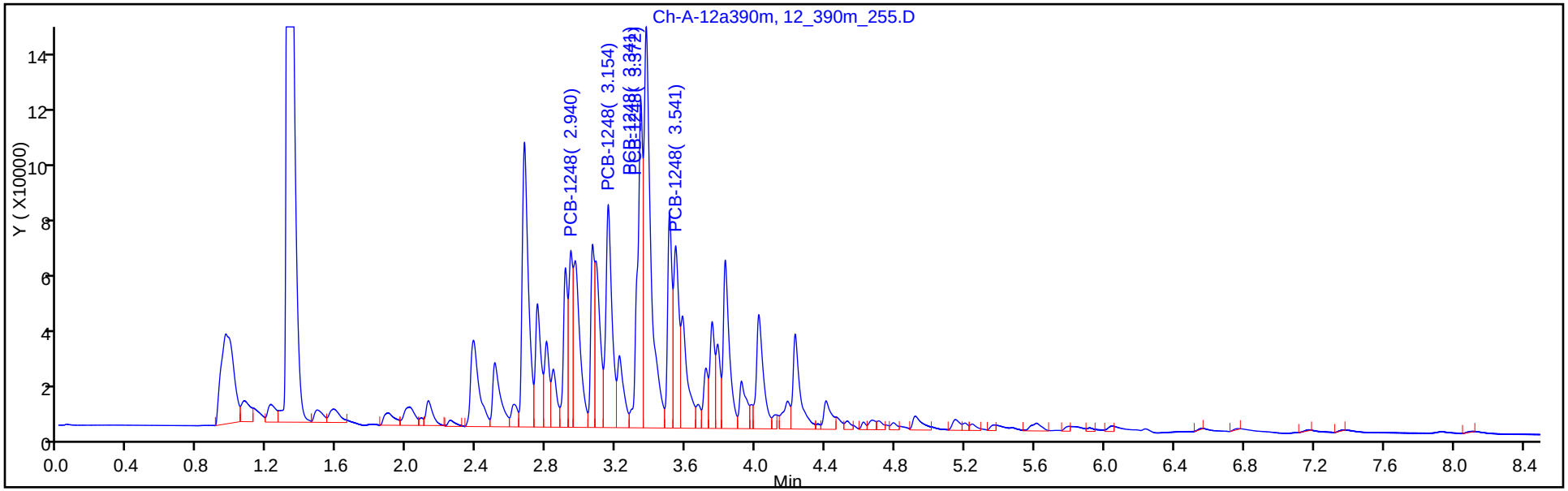
Report Date: 15-May-2017 13:44:19 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

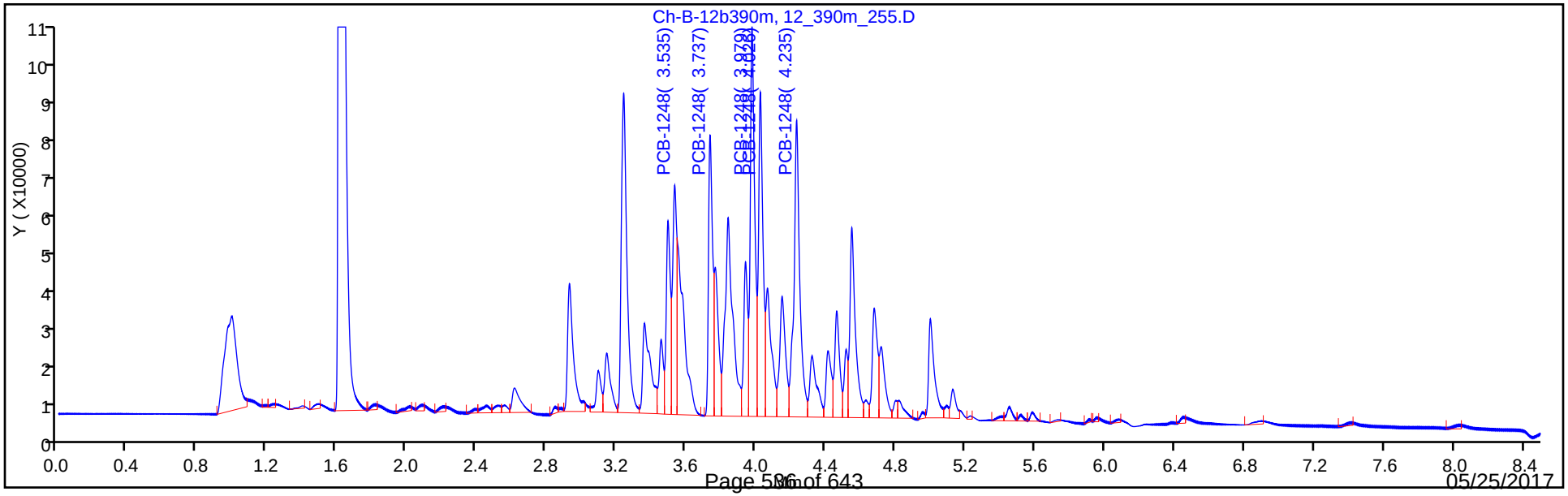
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_255.D

Injection Date:	13-May-2017 13:04:43	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



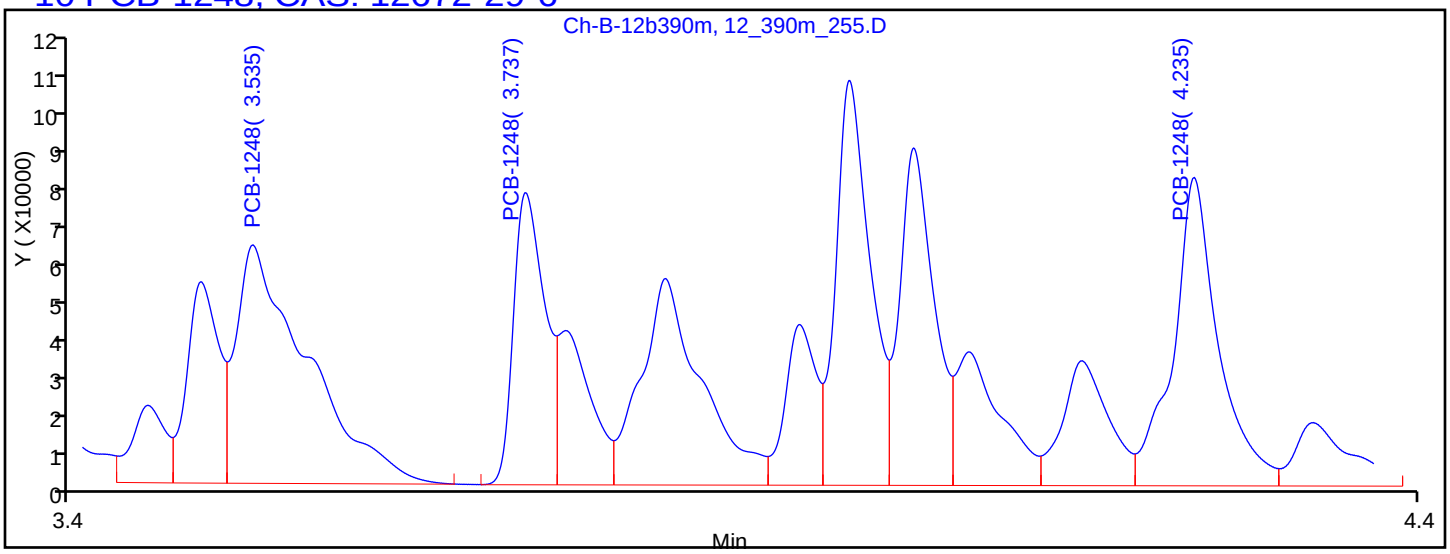
Report Date: 15-May-2017 13:44:20 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_255.D

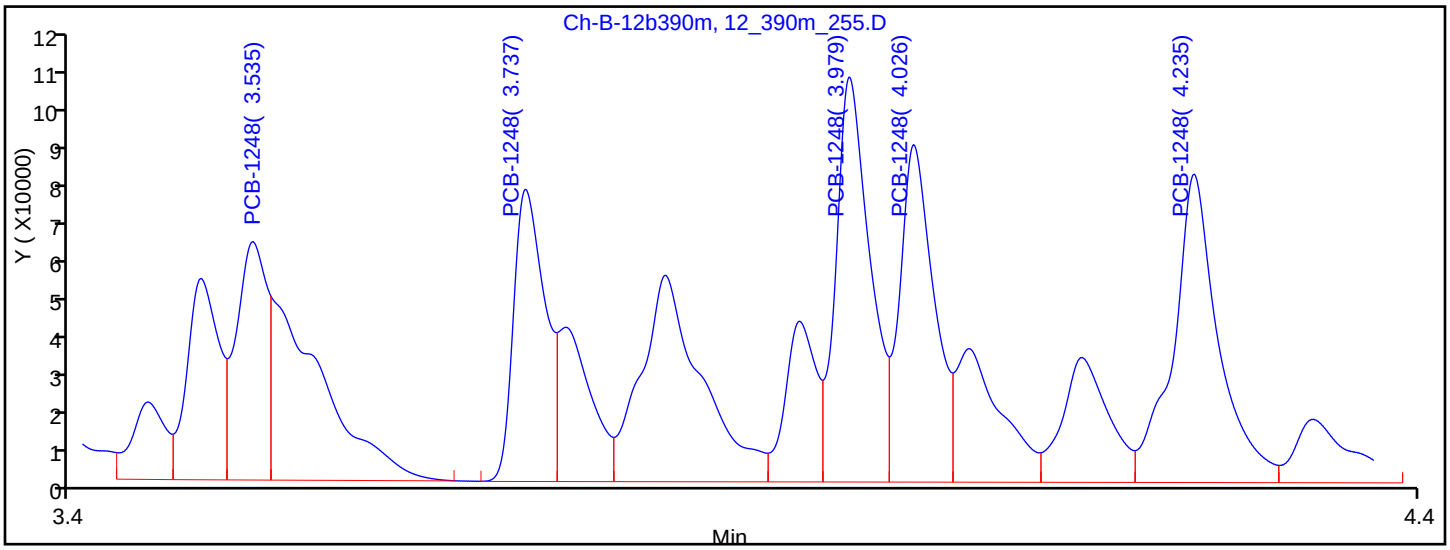
Injection Date:	13-May-2017 13:04:43	Instrument ID:	HP5890-12		
Lims ID:	IC 3				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

10 PCB-1248, CAS: 12672-29-6



Processing Integration Results

3.535	Response = 218932
3.737	Response = 119745
3.842	Response = 163201
3.979	Response = 179818
4.235	Response = 181538



Manual Integration Results

3.535	Response = 93778	M
3.737	Response = 119745	
3.979	Response = 179818	M
4.026	Response = 150933	M
4.235	Response = 181538	

Reviewer: owenj, 15-May-2017 13:40:28

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_256.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 13-May-2017 13:20:03 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub5

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:44:21 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 15-May-2017 13:20:30

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.319	1.321	-0.002	978936	0.5000	0.5000	
2	1.616	1.618	-0.002	907939	0.5000	0.5000	
						RPD = 0.00	
10 PCB-1248							M
1	2.941	2.940	0.001	24981	0.5000	0.5205	M
1	3.157	3.157	0.000	52994	0.5000	0.5316	
1	3.343	3.345	-0.002	62236	0.5000	0.5239	
1	3.375	3.375	0.000	111348	0.5000	0.5666	
1	3.543	3.543	0.000	37302	0.5000	0.5550	
		Average of Peak Amounts =				0.5395	
2	3.537	3.539	-0.002	28873	0.5000	0.5800	M
2	3.741	3.741	0.000	32764	0.5000	0.5335	M
2	3.981	3.983	-0.002	51166	0.5000	0.5501	a
2	4.029	4.029	0.000	40094	0.5000	0.5213	a
2	4.237	4.238	-0.001	48012	0.5000	0.5218	
		Average of Peak Amounts =				0.5413	
						RPD = 0.34	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

1248w/IS@ 0.5_00008 Amount Added: 1.00 Units: mL

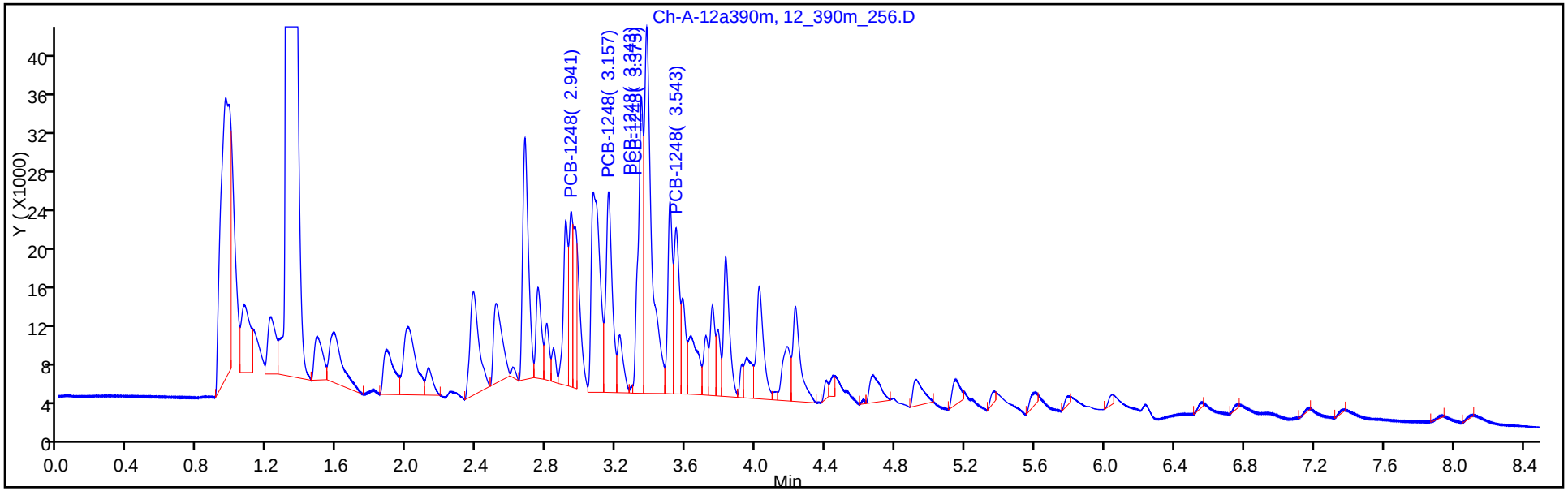
Report Date: 15-May-2017 13:44:22 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

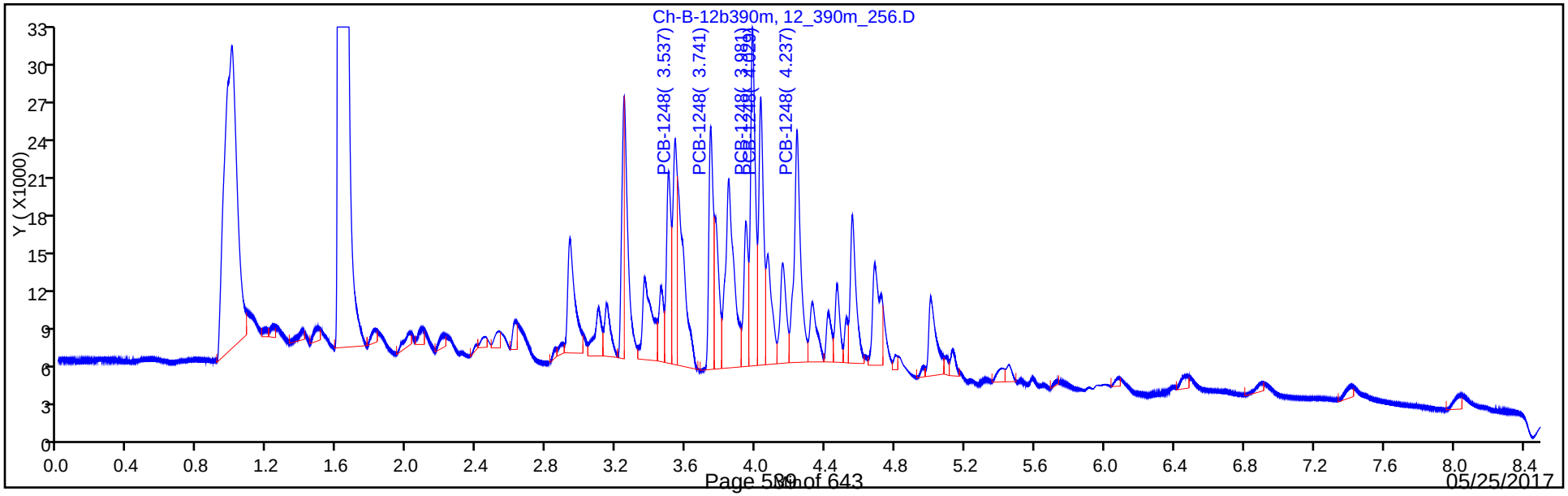
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_256.D

Injection Date:	13-May-2017 13:20:03	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Report Date: 15-May-2017 13:44:22 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_256.D

Injection Date: 13-May-2017 13:20:03 Instrument ID: HP5890-12

Lims ID: IC 2

Client ID:

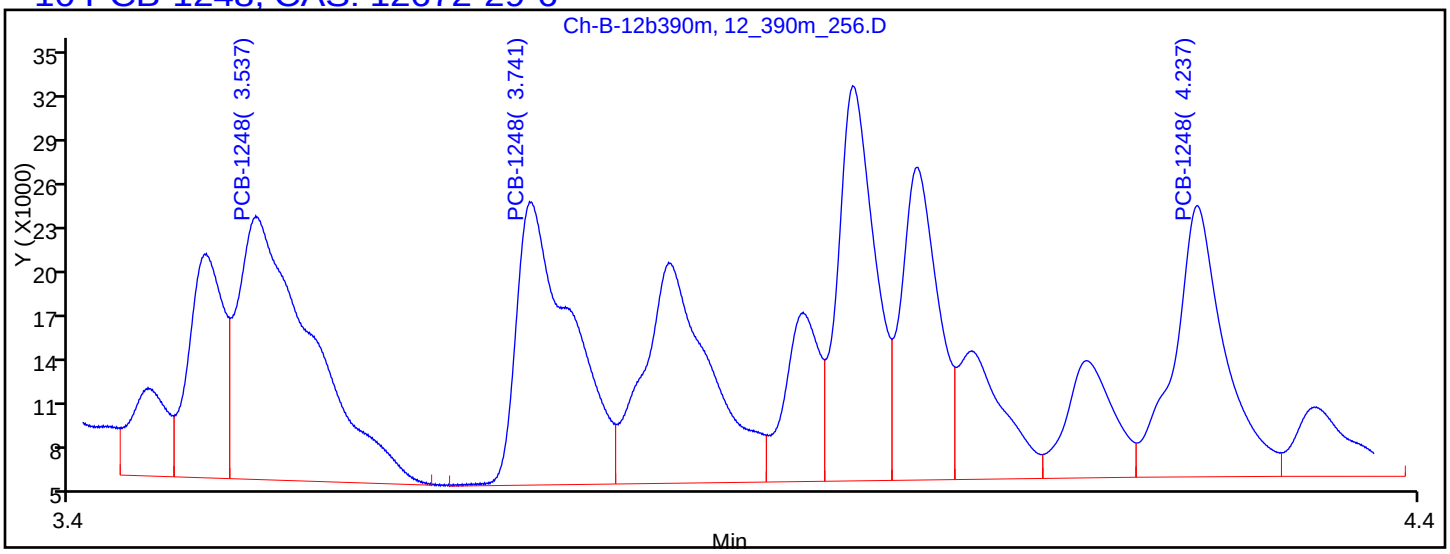
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 9

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

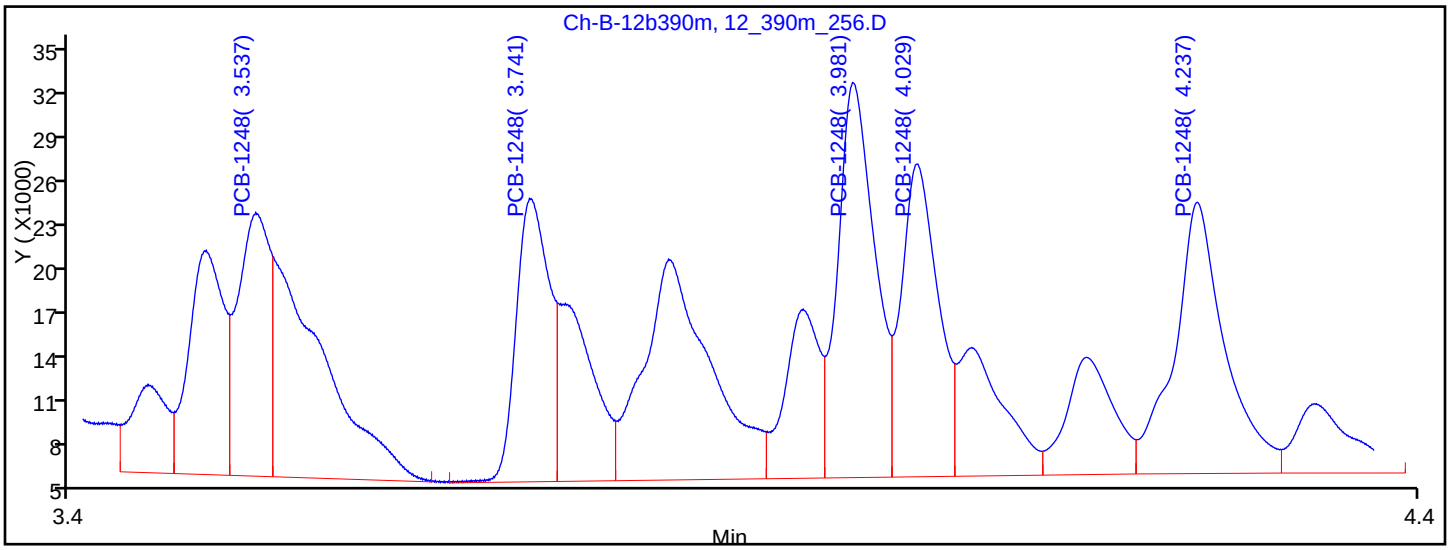
Column: Detector Ch-B-7b136

10 PCB-1248, CAS: 12672-29-6



Processing Integration Results

3.537	Response = 68838
3.741	Response = 54957
3.844	Response = 51800
3.981	Response = 51166
4.237	Response = 48012



Manual Integration Results

3.537	Response = 28873	M
3.741	Response = 32764	M
3.981	Response = 51166	M
4.029	Response = 40094	M
4.237	Response = 48012	

Reviewer: owenj, 15-May-2017 13:36:47

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 13-May-2017 13:35:27 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub5

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:44:24 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 15-May-2017 13:21:37

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							M
1	1.319	1.319	0.000	1249260	0.5000	0.5000	M
2	1.617	1.617	0.000	1080655	0.5000	0.5000	
						RPD = 0.00	
10 PCB-1248							M
1	2.940	2.940	0.000	1900	0.0200	0.0194	M
1	3.157	3.157	0.000	2526	0.0200	0.0199	
1	3.345	3.345	0.000	3557	0.0200	0.0193	
1	3.375	3.375	0.000	4594	0.0200	0.0180	
1	3.543	3.543	0.000	1813	0.0200	0.0183	M
		Average of Peak Amounts =				0.0190	
2	3.539	3.539	0.000	2510	0.0200	0.0176	M
2	3.741	3.741	0.000	2406	0.0200	0.0190	M
2	3.983	3.983	0.000	3692	0.0200	0.0185	M
2	4.029	4.029	0.000	2970	0.0200	0.0194	M
2	4.238	4.238	0.000	3151	0.0200	0.0193	M
		Average of Peak Amounts =				0.0187	
						RPD = 1.16	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

1248w/IS@ .02_00005 Amount Added: 1.00 Units: mL

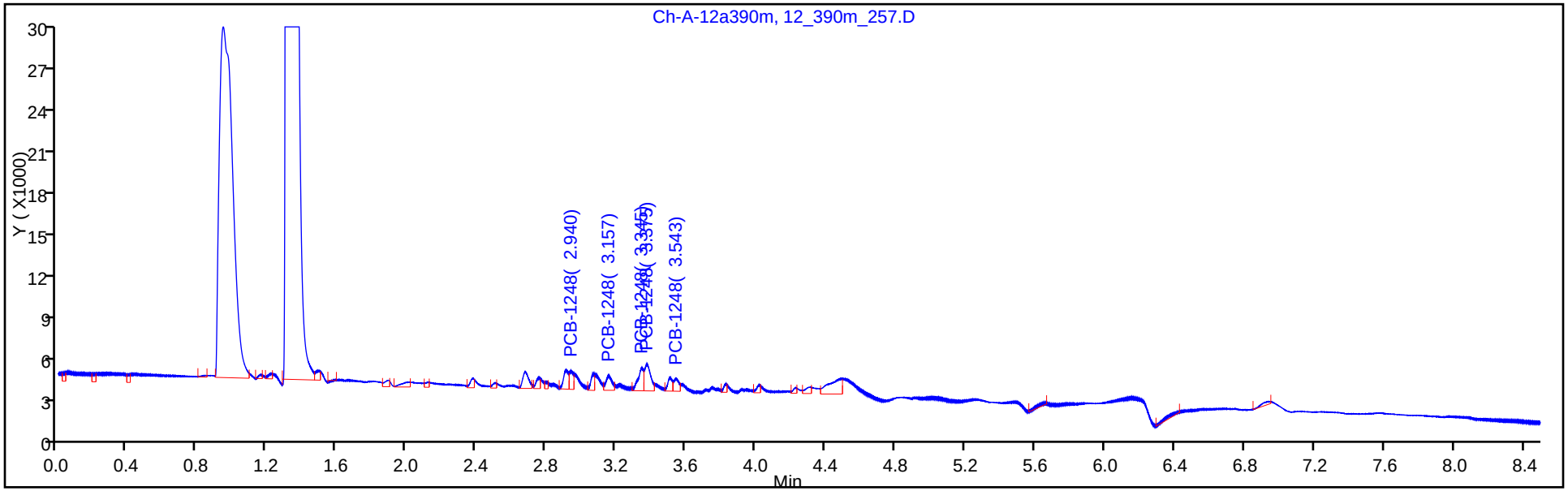
Report Date: 15-May-2017 13:44:24 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

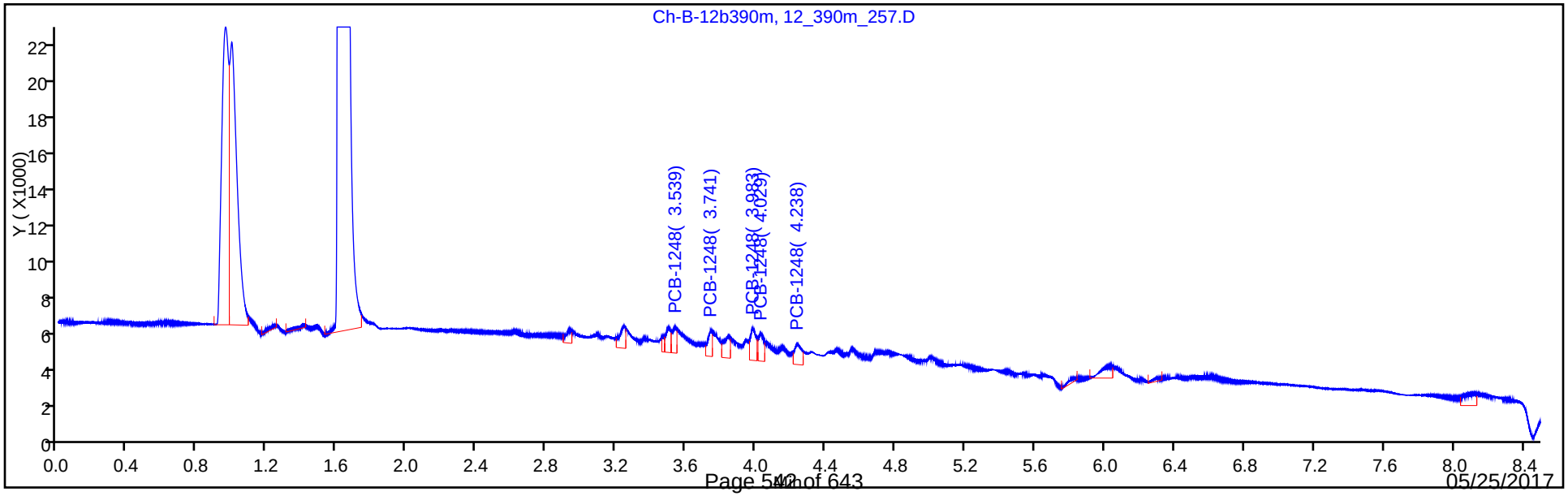
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Injection Date:	13-May-2017 13:35:27	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 1			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Report Date: 15-May-2017 13:44:24 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Injection Date: 13-May-2017 13:35:27 Instrument ID: HP5890-12

Lims ID: IC 1

Client ID:

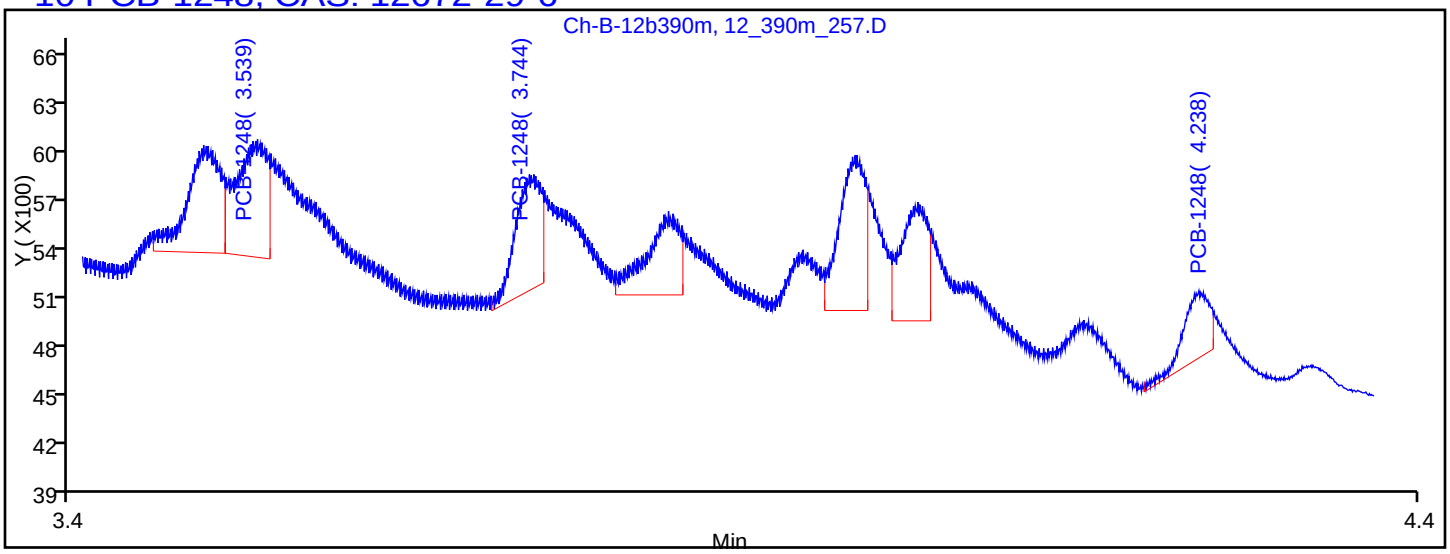
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 10

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

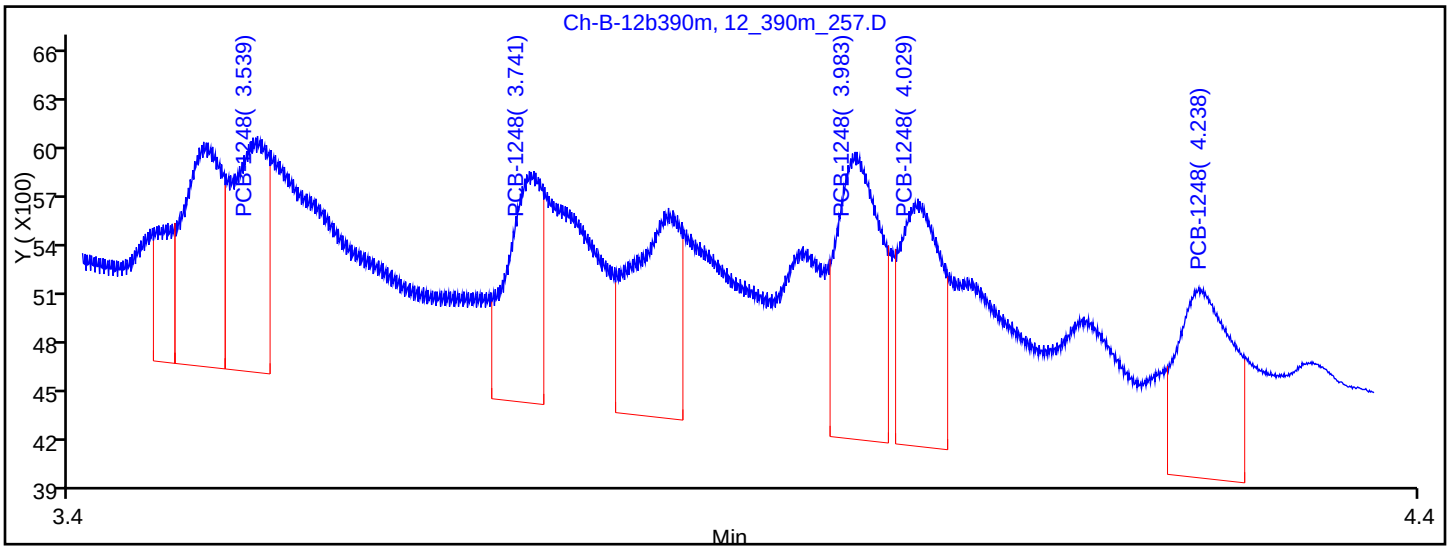
Column: Detector Ch-B-7b136

10 PCB-1248, CAS: 12672-29-6



Processing Integration Results

3.539	Response = 1092
3.744	Response = 906
3.844	Response = 802
3.984	Response = 1210
4.238	Response = 543



Manual Integration Results

3.539	Response = 2510	M
3.741	Response = 2406	M
3.983	Response = 3692	M
4.029	Response = 2970	M
4.238	Response = 3151	M

Reviewer: owenj, 15-May-2017 13:39:10

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Lab Sample ID: CCVIS 480-358279/4 Calibration Date: 05/19/2017 14:32

Instrument ID: HP5890-12 Calib Start Date: 05/11/2017 15:46

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/11/2017 18:19

Lab File ID: 12_391m_057.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0272	0.0313		0.575	0.500	14.9	20.0
PCB-1016 Peak 2	Ave	0.0290	0.0318		0.550	0.500	9.9	20.0
PCB-1016 Peak 3	Ave	0.0988	0.1007		0.510	0.500	2.0	20.0
PCB-1016 Peak 4	Lin1		0.0420		0.546	0.500	9.2	20.0
PCB-1016 Peak 5	Lin1		0.0269		0.566	0.500	13.1	20.0
PCB-1260 Peak 1	Lin1		0.0584		0.510	0.500	1.9	20.0
PCB-1260 Peak 2	Lin1		0.0798		0.516	0.500	3.1	20.0
PCB-1260 Peak 3	Ave	0.0437	0.0462		0.528	0.500	5.7	20.0
PCB-1260 Peak 4	Lin1		0.0374		0.515	0.500	2.9	20.0
PCB-1260 Peak 5	Lin1		0.0484		0.487	0.500	-2.5	20.0
Tetrachloro-m-xylene	Lin1		1.023		0.0304	0.0300	1.2	20.0
DCB Decachlorobiphenyl	Ave	1.313	1.359		0.0311	0.0300	3.6	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Lab Sample ID: CCVIS 480-358279/4 Calibration Date: 05/19/2017 14:32

Instrument ID: HP5890-12 Calib Start Date: 05/11/2017 15:46

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/11/2017 18:19

Lab File ID: 12_391m_057.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.13	2.10	2.16
PCB-1016 Peak 2	2.51	2.48	2.54
PCB-1016 Peak 3	2.68	2.65	2.71
PCB-1016 Peak 4	2.75	2.72	2.78
PCB-1016 Peak 5	2.81	2.78	2.84
PCB-1260 Peak 1	4.18	4.15	4.21
PCB-1260 Peak 2	4.40	4.37	4.43
PCB-1260 Peak 3	4.53	4.50	4.56
PCB-1260 Peak 4	4.71	4.68	4.74
PCB-1260 Peak 5	5.14	5.11	5.17
Tetrachloro-m-xylene	1.92	1.89	1.95
DCB Decachlorobiphenyl	6.18	6.15	6.21

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_057.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 19-May-2017 14:32:59 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 23-May-2017 12:14:06 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK036

First Level Reviewer: RudzG Date: 23-May-2017 12:14:06

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.323	1.323	0.000	1255678	0.5000	0.5000	
2	1.619	1.619	0.000	1084165	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.920	1.920	0.000	77037	0.0300	0.0304	
2	2.209	2.209	0.000	57880	0.0300	0.0298	
						RPD = 2.02	
9 PCB-1016							M
1	2.126	2.126	0.000	39240	0.5000	0.5746	
1	2.507	2.507	0.000	39968	0.5000	0.5496	
1	2.679	2.679	0.000	126498	0.5000	0.5100	
1	2.751	2.751	0.000	52710	0.5000	0.5461	
1	2.805	2.805	0.000	33719	0.5000	0.5656	M
		Average of Peak Amounts =				0.5492	
2	2.617	2.617	0.000	23751	0.5000	0.5319	
2	2.937	2.937	0.000	48222	0.5000	0.5280	
2	3.148	3.148	0.000	28475	0.5000	0.5062	
2	3.247	3.247	0.000	88018	0.5000	0.5030	
2	3.367	3.367	0.000	36269	0.5000	0.4994	
		Average of Peak Amounts =				0.5137	
						RPD = 6.67	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.183	4.183	0.000	73343	0.5000	0.5096	M
1	4.400	4.400	0.000	100142	0.5000	0.5155	
1	4.525	4.525	0.000	58041	0.5000	0.5284	
1	4.708	4.708	0.000	46953	0.5000	0.5145	
1	5.142	5.142	0.000	60797	0.5000	0.4874	a
		Average of Peak Amounts =				0.5111	
2	5.127	5.127	0.000	58531	0.5000	0.5146	
2	5.448	5.448	0.000	48607	0.5000	0.5122	
2	5.515	5.515	0.000	36003	0.5000	0.5062	a
2	5.580	5.580	0.000	130333	0.5000	0.5175	a
2	5.953	5.953	0.000	86889	0.5000	0.5254	
		Average of Peak Amounts =				0.5152	
						RPD = 0.80	
2 1260 Res 1							
1	5.142	5.142	0.000	60797	NC	NC	a
2	0.0	5.481	0.000	0	NC	NC	
4 1260 Res 2							
1	5.199	5.199	0.000	36152	NC	NC	a
2	5.515	5.515	0.000	36003	NC	NC	a
3 1260 Res 3							
1	5.239	5.239	0.000	57867	NC	NC	a
2	5.580	5.580	0.000	130333	NC	NC	a
$ 15 DCB Decachlorobiphenyl							
1	6.181	6.181	0.000	102421	0.0300	0.0311	
2	7.239	7.239	0.000	90927	0.0300	0.0313	
						RPD = 0.65	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

AR1660_0.5+IS_00012 Amount Added: 1.00 Units: mL

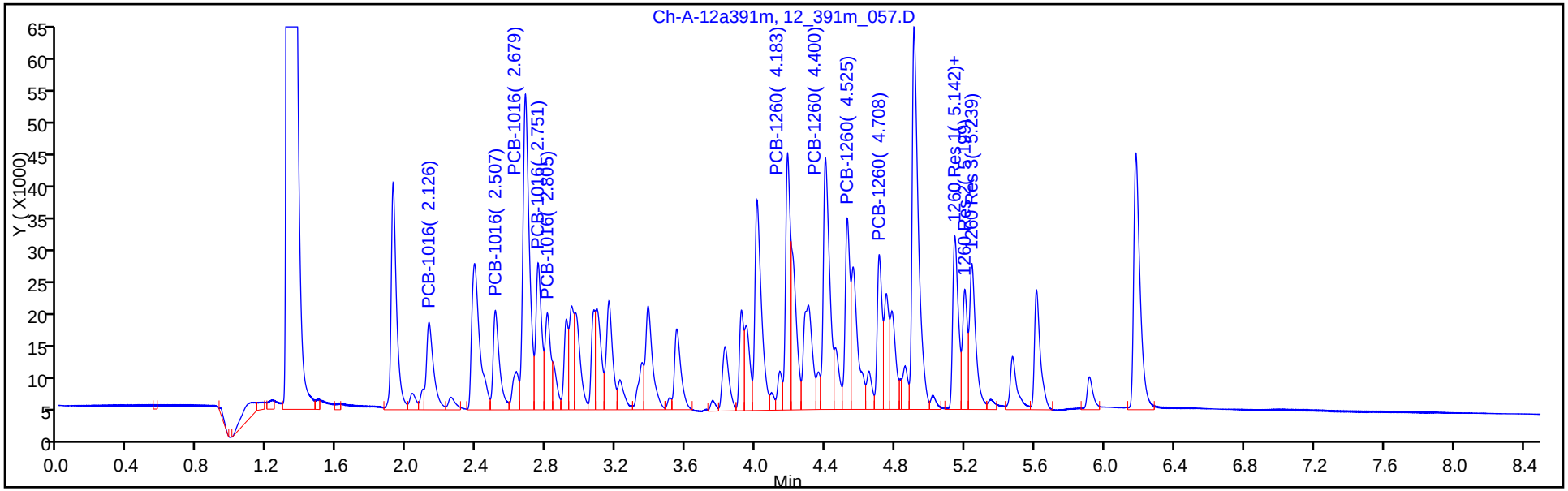
Report Date: 23-May-2017 12:14:08 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

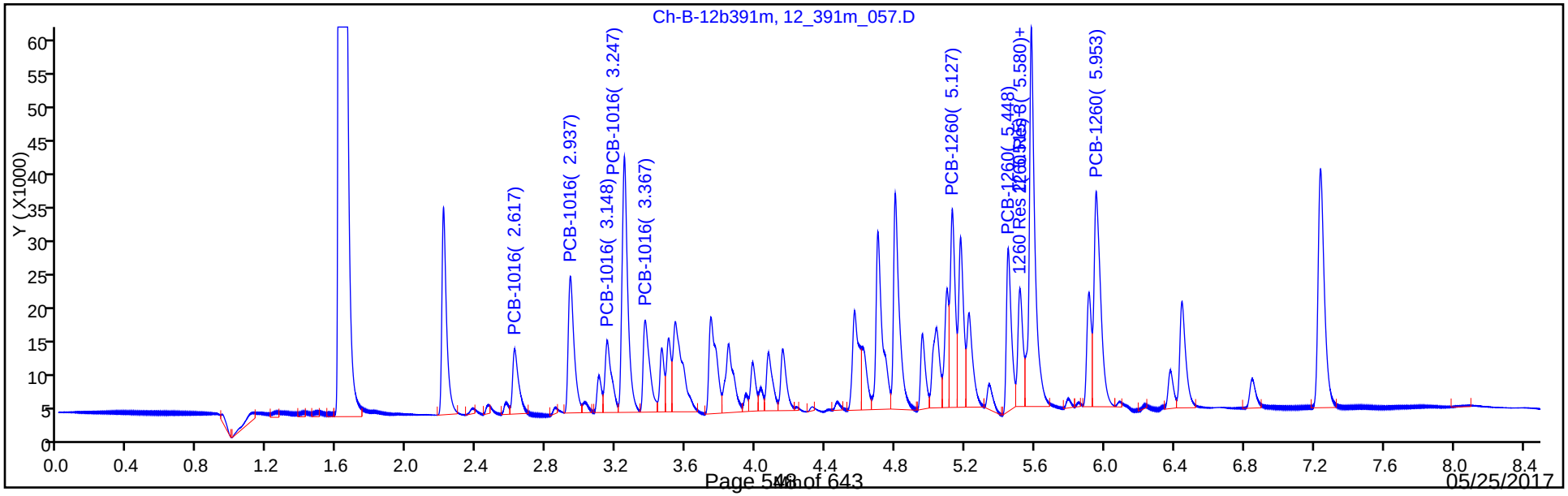
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Injection Date:	19-May-2017 14:32:59	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	CCVIS			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Report Date: 23-May-2017 12:14:09 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_057.D

Injection Date: 19-May-2017 14:32:59 Instrument ID: HP5890-12

Lims ID: CCVIS

Client ID:

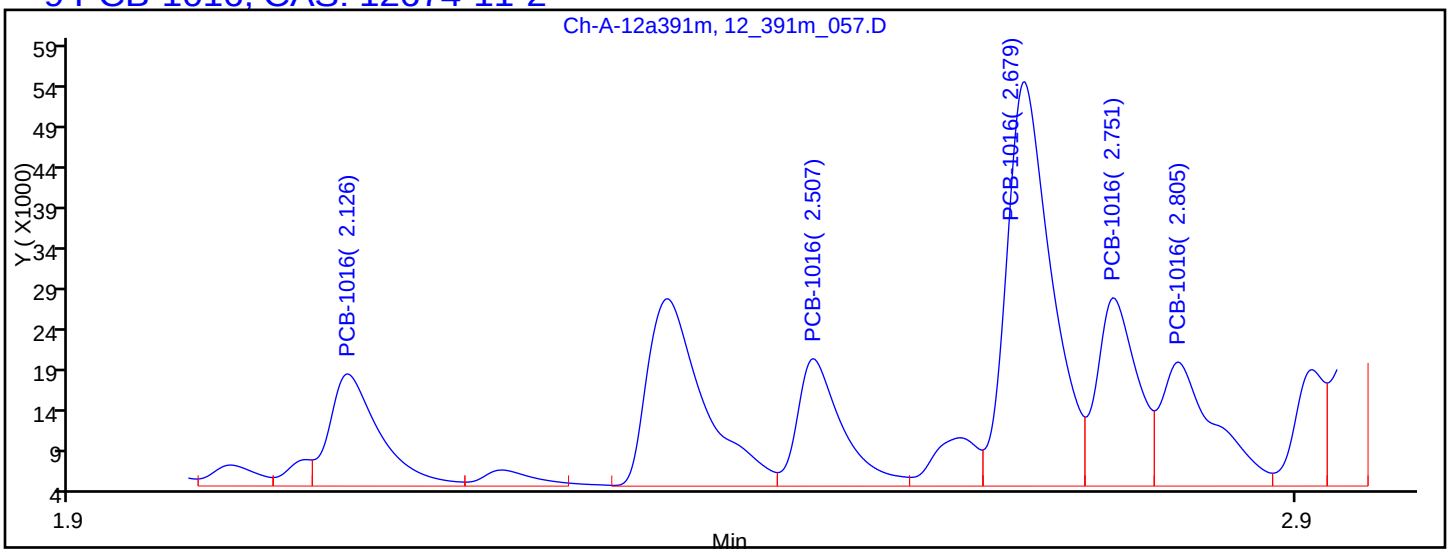
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 4

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

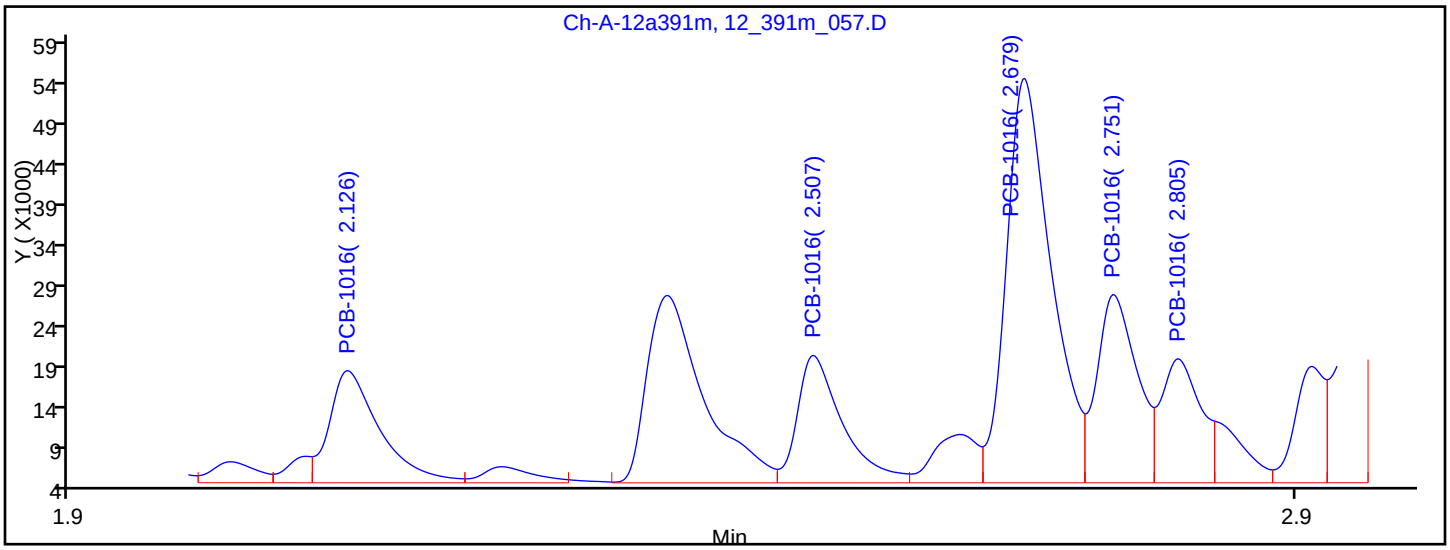
Column: Detector Ch-A-7A136

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.126	Response = 39240
2.507	Response = 39968
2.679	Response = 126498
2.751	Response = 52710
2.805	Response = 46339



Manual Integration Results

2.126	Response = 39240	
2.507	Response = 39968	
2.679	Response = 126498	
2.751	Response = 52710	
2.805	Response = 33719	M

Reviewer: owenj, 19-May-2017 14:52:29

Audit Action: Split an Integrated Peak Audit Reason: Baseline Smoothing

Second Level Reviewer: RudzG, Date: 23-May-2017 12:14:06

Report Date: 23-May-2017 12:14:09 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_057.D

Injection Date: 19-May-2017 14:32:59 Instrument ID: HP5890-12

Lims ID: CCVIS

Client ID:

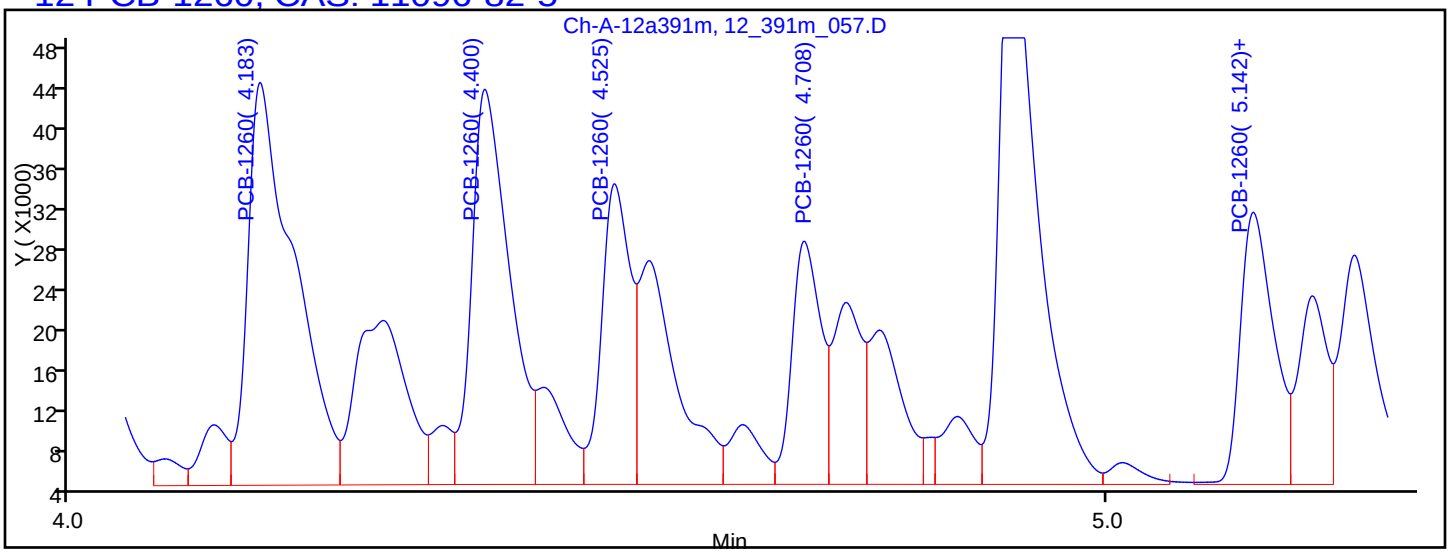
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 4

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

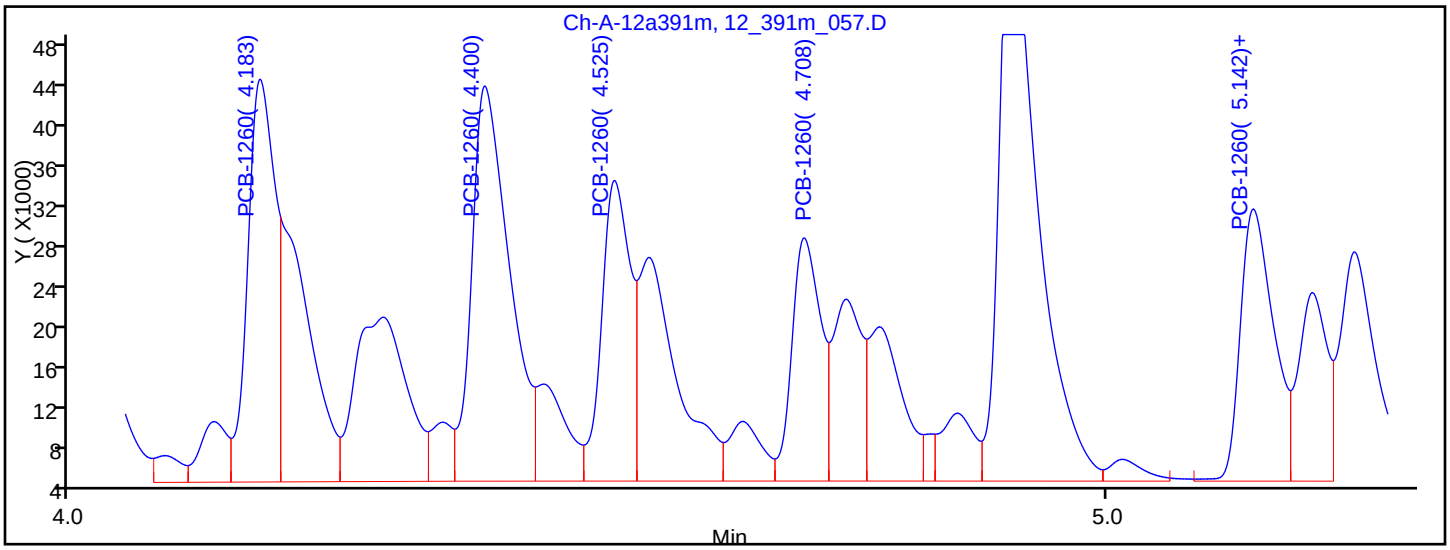
Column: Detector Ch-A-7A136

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

4.183	Response = 125437
4.400	Response = 100142
4.525	Response = 58041
4.708	Response = 46953
5.142	Response = 60797



Manual Integration Results

4.183	Response = 73343	M
4.400	Response = 100142	
4.525	Response = 58041	
4.708	Response = 46953	
5.142	Response = 60797	M

Reviewer: owenj, 19-May-2017 14:52:31

Audit Action: Split an Integrated Peak Audit Reason: Baseline Smoothing

Second Level Reviewer: RudzG, Date: 23-May-2017 12:14:06

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Lab Sample ID: CCVIS 480-358279/4 Calibration Date: 05/19/2017 14:32

Instrument ID: HP5890-12 Calib Start Date: 05/11/2017 15:46

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/11/2017 18:19

Lab File ID: 12_391m_057.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin1		0.0219		0.532	0.500	6.4	20.0
PCB-1016 Peak 2	Lin1		0.0445		0.528	0.500	5.6	20.0
PCB-1016 Peak 3	Lin1		0.0263		0.506	0.500	1.2	20.0
PCB-1016 Peak 4	Lin1		0.0812		0.503	0.500	0.6	20.0
PCB-1016 Peak 5	Ave	0.0335	0.0335		0.499	0.500	-0.1	20.0
PCB-1260 Peak 1	Lin1		0.0540		0.515	0.500	2.9	20.0
PCB-1260 Peak 2	Lin1		0.0448		0.512	0.500	2.4	20.0
PCB-1260 Peak 3	Lin1		0.0332		0.506	0.500	1.2	20.0
PCB-1260 Peak 4	Lin1		0.1202		0.518	0.500	3.5	20.0
PCB-1260 Peak 5	Lin1		0.0801		0.525	0.500	5.1	20.0
Tetrachloro-m-xylene	Lin1		0.8898		0.0298	0.0300	-0.8	20.0
DCB Decachlorobiphenyl	Lin1		1.398		0.0313	0.0300	4.2	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Lab Sample ID: CCVIS 480-358279/4 Calibration Date: 05/19/2017 14:32

Instrument ID: HP5890-12 Calib Start Date: 05/11/2017 15:46

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/11/2017 18:19

Lab File ID: 12_391m_057.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.62	2.59	2.65
PCB-1016 Peak 2	2.94	2.91	2.97
PCB-1016 Peak 3	3.15	3.12	3.18
PCB-1016 Peak 4	3.25	3.22	3.28
PCB-1016 Peak 5	3.37	3.34	3.40
PCB-1260 Peak 1	5.13	5.10	5.16
PCB-1260 Peak 2	5.45	5.42	5.48
PCB-1260 Peak 3	5.52	5.49	5.55
PCB-1260 Peak 4	5.58	5.55	5.61
PCB-1260 Peak 5	5.95	5.92	5.98
Tetrachloro-m-xylene	2.21	2.18	2.24
DCB Decachlorobiphenyl	7.24	7.21	7.27

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_057.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 19-May-2017 14:32:59 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 23-May-2017 12:14:06 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK036

First Level Reviewer: RudzG Date: 23-May-2017 12:14:06

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.323	1.323	0.000	1255678	0.5000	0.5000	
2	1.619	1.619	0.000	1084165	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.920	1.920	0.000	77037	0.0300	0.0304	
2	2.209	2.209	0.000	57880	0.0300	0.0298	
						RPD = 2.02	
9 PCB-1016							M
1	2.126	2.126	0.000	39240	0.5000	0.5746	
1	2.507	2.507	0.000	39968	0.5000	0.5496	
1	2.679	2.679	0.000	126498	0.5000	0.5100	
1	2.751	2.751	0.000	52710	0.5000	0.5461	
1	2.805	2.805	0.000	33719	0.5000	0.5656	M
		Average of Peak Amounts =				0.5492	
2	2.617	2.617	0.000	23751	0.5000	0.5319	
2	2.937	2.937	0.000	48222	0.5000	0.5280	
2	3.148	3.148	0.000	28475	0.5000	0.5062	
2	3.247	3.247	0.000	88018	0.5000	0.5030	
2	3.367	3.367	0.000	36269	0.5000	0.4994	
		Average of Peak Amounts =				0.5137	
						RPD = 6.67	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.183	4.183	0.000	73343	0.5000	0.5096	M
1	4.400	4.400	0.000	100142	0.5000	0.5155	
1	4.525	4.525	0.000	58041	0.5000	0.5284	
1	4.708	4.708	0.000	46953	0.5000	0.5145	
1	5.142	5.142	0.000	60797	0.5000	0.4874	a
		Average of Peak Amounts =				0.5111	
2	5.127	5.127	0.000	58531	0.5000	0.5146	
2	5.448	5.448	0.000	48607	0.5000	0.5122	
2	5.515	5.515	0.000	36003	0.5000	0.5062	a
2	5.580	5.580	0.000	130333	0.5000	0.5175	a
2	5.953	5.953	0.000	86889	0.5000	0.5254	
		Average of Peak Amounts =				0.5152	
						RPD = 0.80	
2 1260 Res 1							
1	5.142	5.142	0.000	60797	NC	NC	a
2	0.0	5.481	0.000	0	NC	NC	
4 1260 Res 2							
1	5.199	5.199	0.000	36152	NC	NC	a
2	5.515	5.515	0.000	36003	NC	NC	a
3 1260 Res 3							
1	5.239	5.239	0.000	57867	NC	NC	a
2	5.580	5.580	0.000	130333	NC	NC	a
$ 15 DCB Decachlorobiphenyl							
1	6.181	6.181	0.000	102421	0.0300	0.0311	
2	7.239	7.239	0.000	90927	0.0300	0.0313	
						RPD = 0.65	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

AR1660_0.5+IS_00012 Amount Added: 1.00 Units: mL

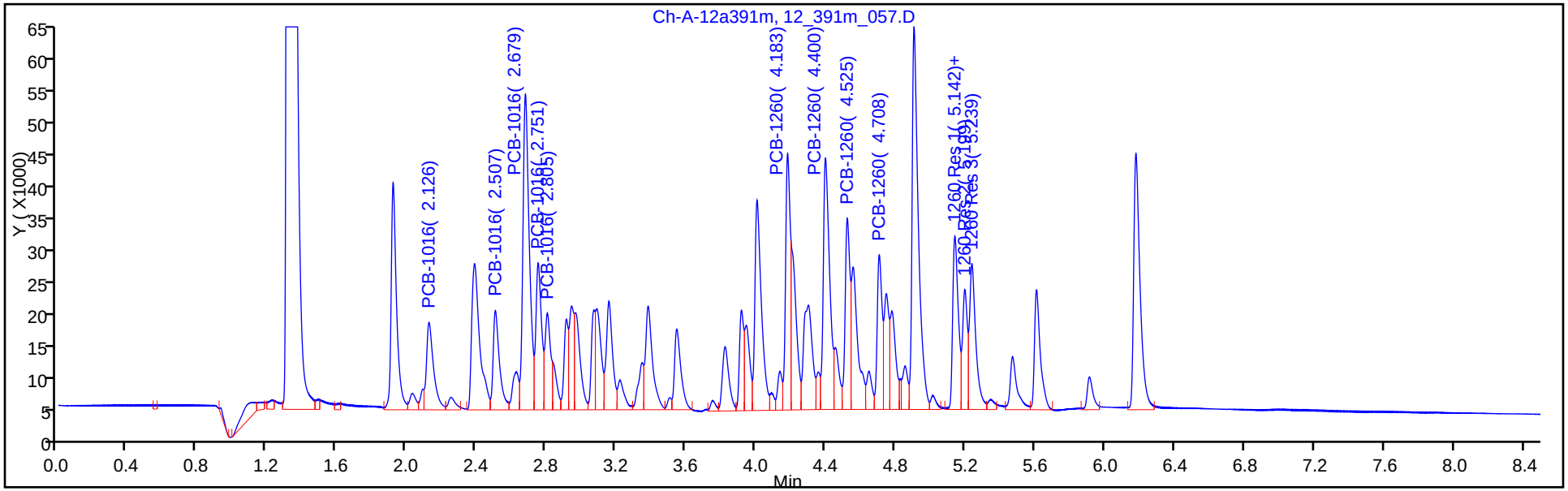
Report Date: 23-May-2017 12:14:09 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

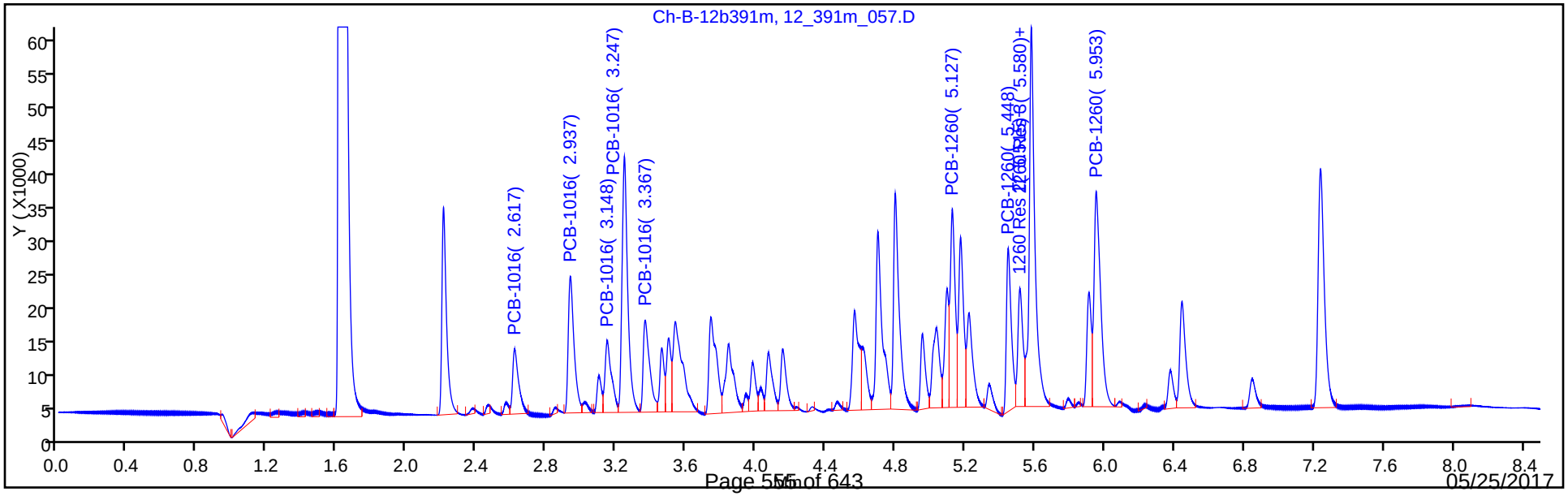
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_057.D

Injection Date:	19-May-2017 14:32:59	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	CCVIS			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Lab Sample ID: CCV 480-358279/5 Calibration Date: 05/19/2017 14:48

Instrument ID: HP5890-12 Calib Start Date: 05/11/2017 19:52

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/11/2017 20:22

Lab File ID: 12_391m_058.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Lin1		0.0194		0.782	0.500	56.3*	20.0
PCB-1221 Peak 2	Lin1		0.0198		0.774	0.500	54.8*	20.0
PCB-1221 Peak 3	Lin1		0.0477		0.605	0.500	21.1*	20.0
PCB-1254 Peak 1	Lin1		0.0758		0.598	0.500	19.6	20.0
PCB-1254 Peak 2	Lin1		0.0939		0.543	0.500	8.6	20.0
PCB-1254 Peak 3	Lin1		0.1040		0.570	0.500	13.9	20.0
PCB-1254 Peak 4	Lin1		0.0627		0.543	0.500	8.6	20.0
PCB-1254 Peak 5	Lin1		0.0914		0.583	0.500	16.7	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Lab Sample ID: CCV 480-358279/5 Calibration Date: 05/19/2017 14:48

Instrument ID: HP5890-12 Calib Start Date: 05/11/2017 19:52

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/11/2017 20:22

Lab File ID: 12_391m_058.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	1.61	1.58	1.64
PCB-1221 Peak 2	2.03	2.00	2.06
PCB-1221 Peak 3	2.13	2.10	2.16
PCB-1254 Peak 1	3.55	3.52	3.58
PCB-1254 Peak 2	3.83	3.80	3.86
PCB-1254 Peak 3	4.02	3.99	4.05
PCB-1254 Peak 4	4.22	4.19	4.25
PCB-1254 Peak 5	4.40	4.37	4.43

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_058.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 19-May-2017 14:48:21 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub2

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 19-May-2017 18:17:04 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK018

First Level Reviewer: owenj Date: 19-May-2017 15:36:46

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.324	1.324	0.000	1058022	0.5000	0.5000	
2	1.619	1.619	0.000	958160	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1221							M
1	1.613	1.613	0.000	20534	0.5000	0.7815	M
1	2.031	2.031	0.000	20942	0.5000	0.7740	M
1	2.127	2.127	0.000	50454	0.5000	0.6053	
		Average of Peak Amounts =				0.7203	
2	1.951	1.951	0.000	9786	0.5000	0.5087	
2	2.464	2.464	0.000	11007	0.5000	0.4878	
2	2.617	2.617	0.000	34920	0.5000	0.6154	
		Average of Peak Amounts =				0.5373	
						RPD = 29.10	
11 PCB-1254							
1	3.546	3.546	0.000	80170	0.5000	0.5979	
1	3.826	3.826	0.000	99320	0.5000	0.5431	
1	4.017	4.017	0.000	110052	0.5000	0.5697	
1	4.223	4.223	0.000	66370	0.5000	0.5428	
1	4.401	4.401	0.000	96687	0.5000	0.5835	
		Average of Peak Amounts =				0.5674	
2	4.153	4.153	0.000	48386	0.5000	0.4951	
2	4.465	4.465	0.000	27851	0.5000	0.4238	
2	4.553	4.553	0.000	75750	0.5000	0.4957	
2	4.682	4.682	0.000	80298	0.5000	0.5001	
2	5.129	5.129	0.000	59259	0.5000	0.5376	
		Average of Peak Amounts =				0.4905	
						RPD = 14.54	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

21-54+IS CCV_00005 Amount Added: 1.00 Units: mL

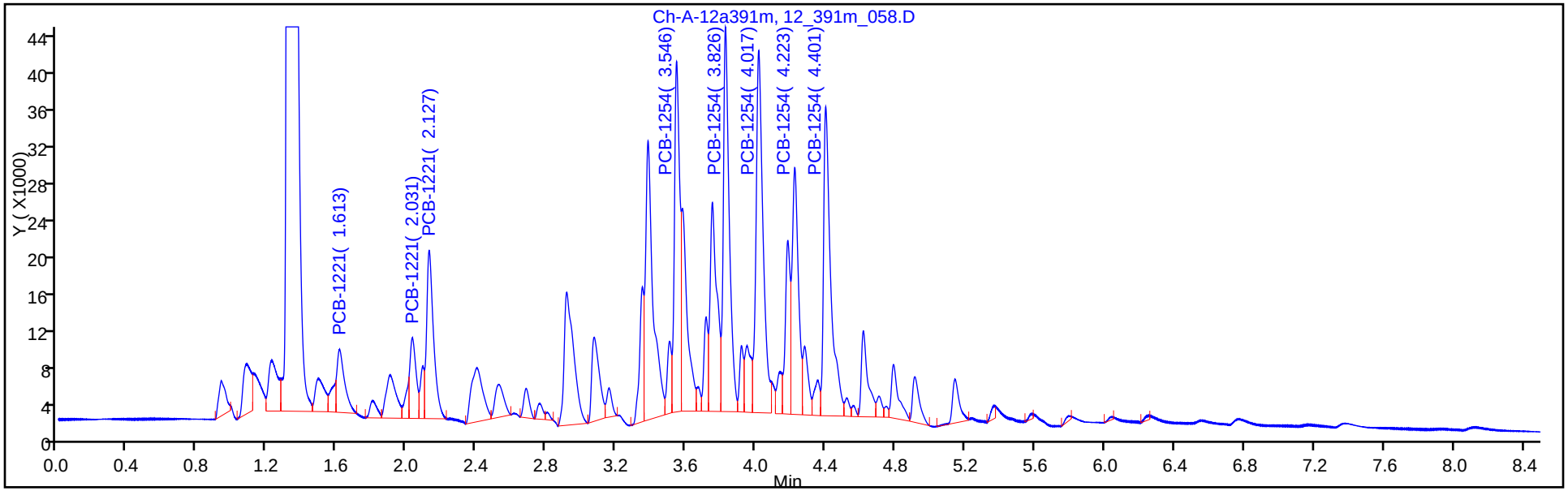
Report Date: 19-May-2017 18:17:08 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

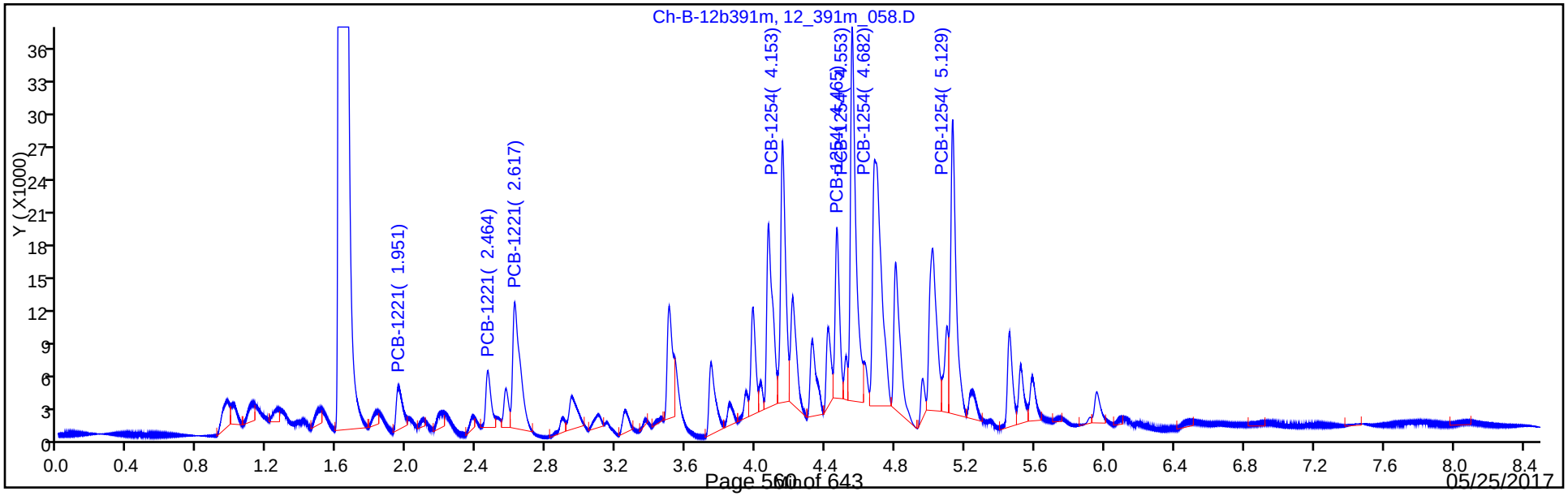
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_058.D

Injection Date:	19-May-2017 14:48:21	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Report Date: 19-May-2017 18:17:09 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_058.D

Injection Date: 19-May-2017 14:48:21 Instrument ID: HP5890-12

Lims ID: CCV

Client ID:

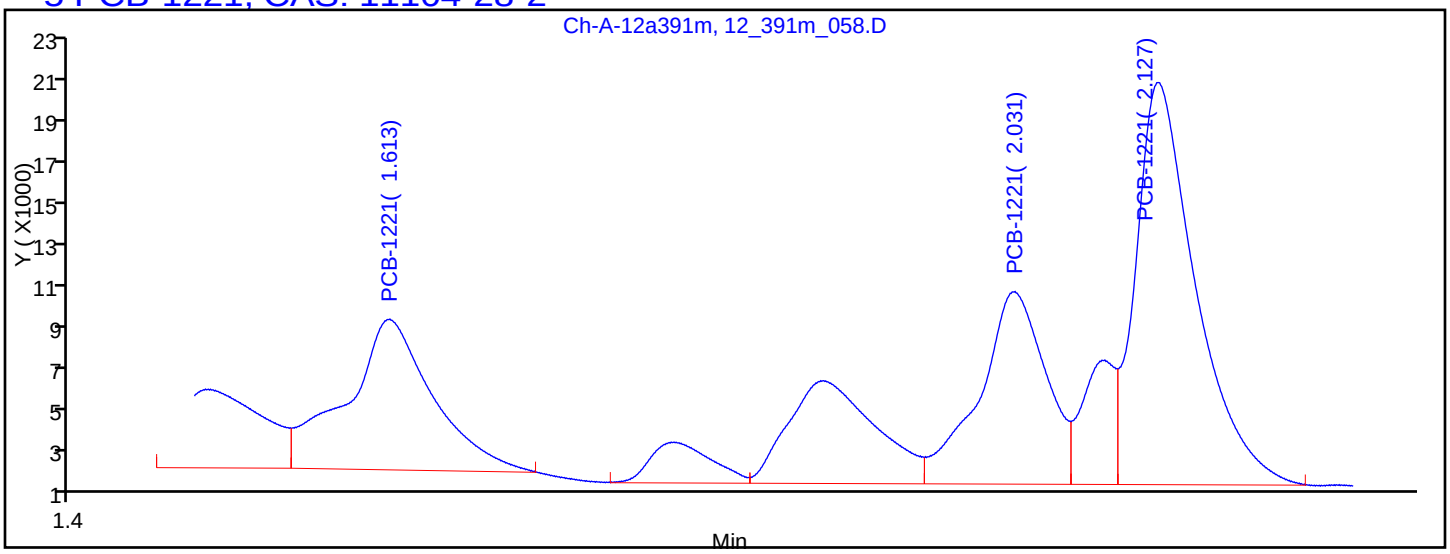
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 5

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

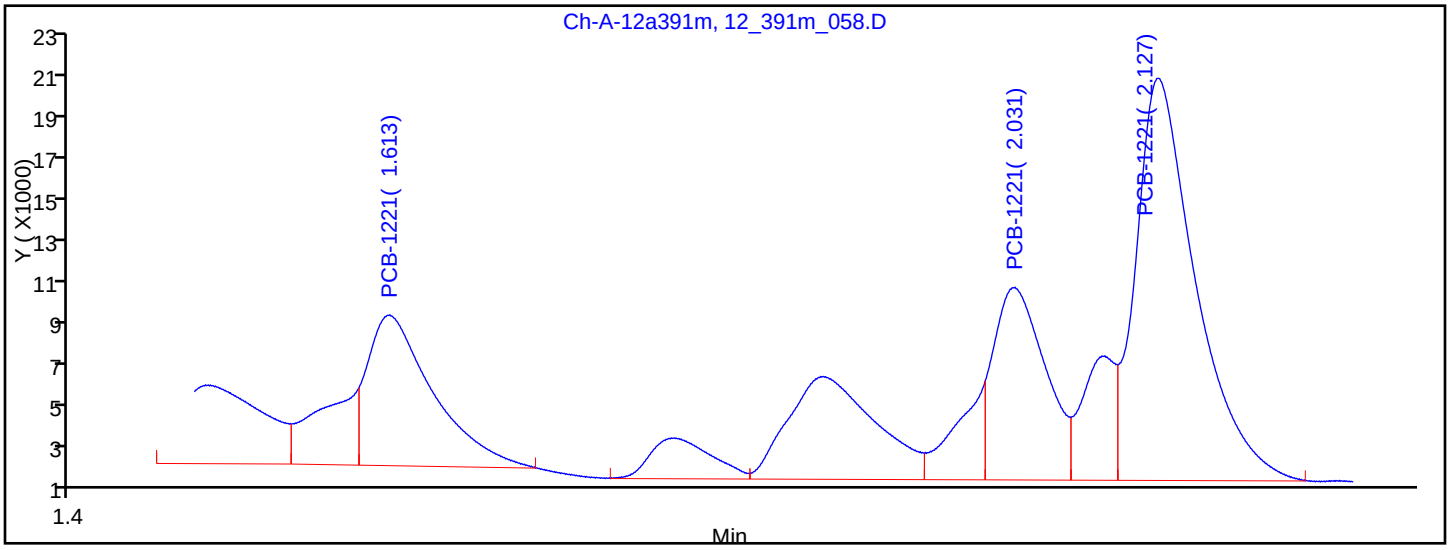
Column: Detector Ch-A-7A136

5 PCB-1221, CAS: 11104-28-2



Processing Integration Results

1.613	Response = 27415	
2.031	Response = 26927	
2.127	Response = 50454	



Manual Integration Results

1.613	Response = 20534	M
2.031	Response = 20942	M
2.127	Response = 50454	

Reviewer: owenj, 19-May-2017 15:04:08

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Lab Sample ID: CCV 480-358279/5 Calibration Date: 05/19/2017 14:48

Instrument ID: HP5890-12 Calib Start Date: 05/11/2017 19:52

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/11/2017 20:22

Lab File ID: 12_391m_058.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Lin1		0.0102		0.509	0.500	1.7	20.0
PCB-1221 Peak 2	Lin1		0.0115		0.488	0.500	-2.4	20.0
PCB-1221 Peak 3	Lin1		0.0364		0.615	0.500	23.1*	20.0
PCB-1254 Peak 1	Lin1		0.0505		0.495	0.500	-1.0	20.0
PCB-1254 Peak 2	Lin1		0.0291		0.424	0.500	-15.2	20.0
PCB-1254 Peak 3	Lin1		0.0791		0.496	0.500	-0.9	20.0
PCB-1254 Peak 4	Lin1		0.0838		0.500	0.500	0.0	20.0
PCB-1254 Peak 5	Lin1		0.0619		0.538	0.500	7.5	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Lab Sample ID: CCV 480-358279/5 Calibration Date: 05/19/2017 14:48

Instrument ID: HP5890-12 Calib Start Date: 05/11/2017 19:52

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/11/2017 20:22

Lab File ID: 12_391m_058.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	1.95	1.92	1.98
PCB-1221 Peak 2	2.46	2.43	2.49
PCB-1221 Peak 3	2.62	2.59	2.65
PCB-1254 Peak 1	4.15	4.12	4.18
PCB-1254 Peak 2	4.47	4.44	4.50
PCB-1254 Peak 3	4.55	4.52	4.58
PCB-1254 Peak 4	4.68	4.65	4.71
PCB-1254 Peak 5	5.13	5.10	5.16

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_058.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 19-May-2017 14:48:21 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub2

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 19-May-2017 18:17:04 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK018

First Level Reviewer: owenj Date: 19-May-2017 15:36:46

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.324	1.324	0.000	1058022	0.5000	0.5000	
2	1.619	1.619	0.000	958160	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1221							M
1	1.613	1.613	0.000	20534	0.5000	0.7815	M
1	2.031	2.031	0.000	20942	0.5000	0.7740	M
1	2.127	2.127	0.000	50454	0.5000	0.6053	
		Average of Peak Amounts =				0.7203	
2	1.951	1.951	0.000	9786	0.5000	0.5087	
2	2.464	2.464	0.000	11007	0.5000	0.4878	
2	2.617	2.617	0.000	34920	0.5000	0.6154	
		Average of Peak Amounts =				0.5373	
						RPD = 29.10	
11 PCB-1254							
1	3.546	3.546	0.000	80170	0.5000	0.5979	
1	3.826	3.826	0.000	99320	0.5000	0.5431	
1	4.017	4.017	0.000	110052	0.5000	0.5697	
1	4.223	4.223	0.000	66370	0.5000	0.5428	
1	4.401	4.401	0.000	96687	0.5000	0.5835	
		Average of Peak Amounts =				0.5674	
2	4.153	4.153	0.000	48386	0.5000	0.4951	
2	4.465	4.465	0.000	27851	0.5000	0.4238	
2	4.553	4.553	0.000	75750	0.5000	0.4957	
2	4.682	4.682	0.000	80298	0.5000	0.5001	
2	5.129	5.129	0.000	59259	0.5000	0.5376	
		Average of Peak Amounts =				0.4905	
						RPD = 14.54	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

21-54+IS CCV_00005 Amount Added: 1.00 Units: mL

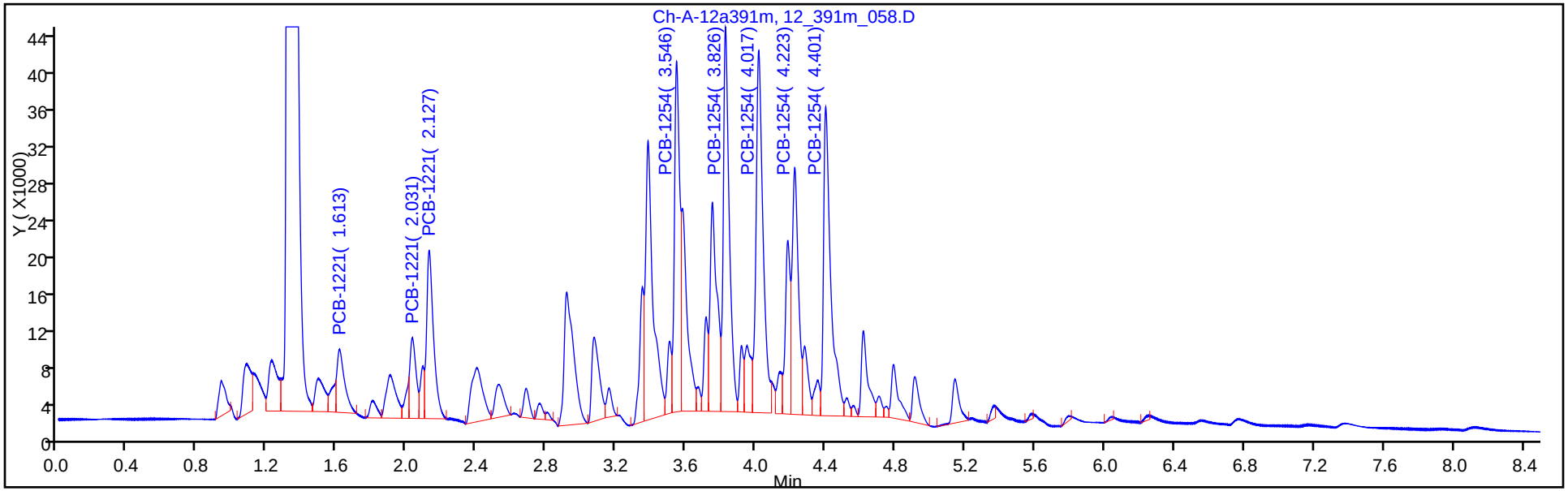
Report Date: 19-May-2017 18:17:09 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

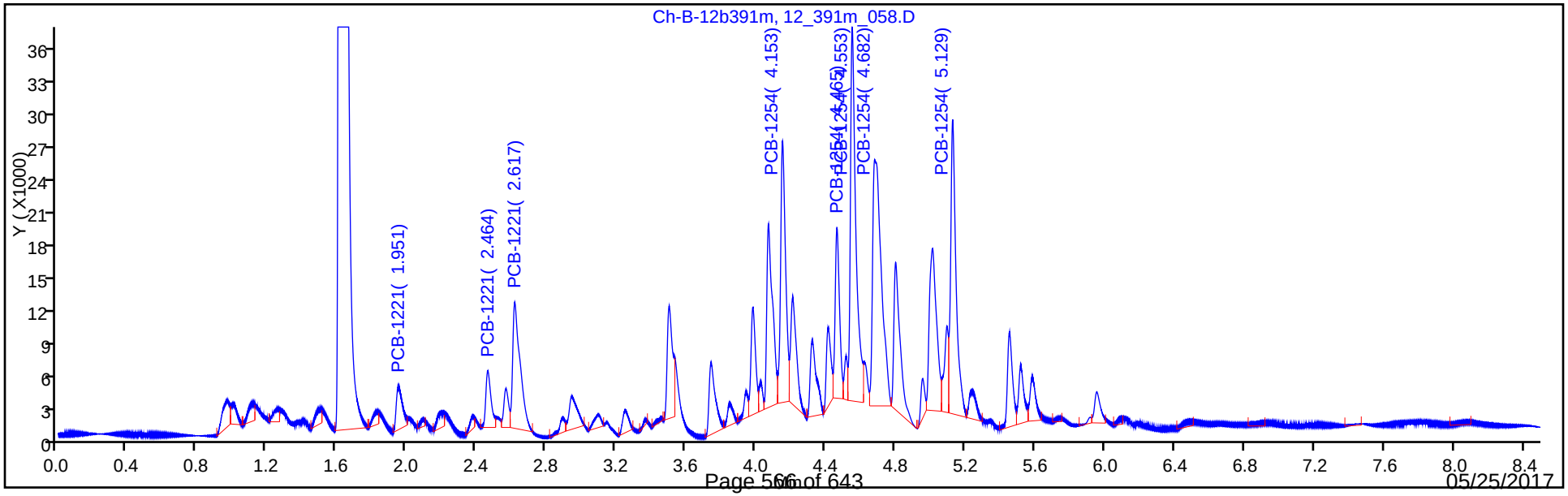
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_058.D

Injection Date:	19-May-2017 14:48:21	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Lab Sample ID: CCV 480-358279/6 Calibration Date: 05/19/2017 15:03

Instrument ID: HP5890-12 Calib Start Date: 05/11/2017 20:53

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/11/2017 21:24

Lab File ID: 12_391m_059.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Lin1		0.0365		0.558	0.500	11.5	20.0
PCB-1232 Peak 2	Lin1		0.0339		0.565	0.500	12.9	20.0
PCB-1232 Peak 3	Lin1		0.0151		0.544	0.500	8.7	20.0
PCB-1232 Peak 4	Lin1		0.0488		0.540	0.500	8.1	20.0
PCB-1232 Peak 5	Lin1		0.0202		0.536	0.500	7.2	20.0
PCB-1262 Peak 1	Lin1		0.0704		0.575	0.500	14.9	20.0
PCB-1262 Peak 2	Lin1		0.0483		0.550	0.500	10.1	20.0
PCB-1262 Peak 3	Lin1		0.0390		0.510	0.500	2.0	20.0
PCB-1262 Peak 4	Lin1		0.0533		0.551	0.500	10.2	20.0
PCB-1262 Peak 5	Lin1		0.0846		0.524	0.500	4.8	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Lab Sample ID: CCV 480-358279/6 Calibration Date: 05/19/2017 15:03

Instrument ID: HP5890-12 Calib Start Date: 05/11/2017 20:53

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/11/2017 21:24

Lab File ID: 12_391m_059.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	2.13	2.10	2.16
PCB-1232 Peak 2	2.39	2.36	2.42
PCB-1232 Peak 3	2.51	2.48	2.54
PCB-1232 Peak 4	2.68	2.65	2.71
PCB-1232 Peak 5	2.75	2.72	2.78
PCB-1262 Peak 1	4.52	4.49	4.55
PCB-1262 Peak 2	4.71	4.68	4.74
PCB-1262 Peak 3	5.14	5.11	5.17
PCB-1262 Peak 4	5.20	5.17	5.23
PCB-1262 Peak 5	5.24	5.21	5.27

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_059.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 19-May-2017 15:03:42 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub3

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 19-May-2017 18:17:12 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK018

First Level Reviewer: owenj Date: 19-May-2017 18:09:43

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.324	1.324	0.000	1220144	0.5000	0.5000	
2	1.620	1.620	0.000	1065808	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1232							M
1	2.126	2.126	0.000	44527	0.5000	0.5575	
1	2.390	2.390	0.000	41330	0.5000	0.5647	M
1	2.508	2.508	0.000	18423	0.5000	0.5437	M
1	2.681	2.681	0.000	59508	0.5000	0.5403	M
1	2.753	2.753	0.000	24583	0.5000	0.5362	M
		Average of Peak Amounts =				0.5485	
2	2.617	2.617	0.000	29019	0.5000	0.5314	
2	2.939	2.939	0.000	24372	0.5000	0.5110	
2	3.248	3.248	0.000	38820	0.5000	0.4736	
2	3.368	3.368	0.000	14705	0.5000	0.4542	
2	3.745	3.745	0.000	20073	0.5000	0.5502	
		Average of Peak Amounts =				0.5041	
						RPD = 8.44	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1262							M
1	4.524	4.524	0.000	85947	0.5000	0.5745	M
1	4.707	4.707	0.000	58887	0.5000	0.5505	M
1	5.142	5.142	0.000	47620	0.5000	0.5099	M
1	5.199	5.199	0.000	64987	0.5000	0.5508	M
1	5.239	5.239	0.000	103257	0.5000	0.5242	M
		Average of Peak Amounts =				0.5420	
2	5.175	5.175	0.000	72095	0.5000	0.5757	
2	5.447	5.447	0.000	60967	0.5000	0.5421	
2	5.581	5.581	0.000	144791	0.5000	0.5345	
2	5.908	5.908	0.000	54251	0.5000	0.5424	
2	5.951	5.951	0.000	109178	0.5000	0.5370	
		Average of Peak Amounts =				0.5463	
						RPD = 0.80	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

32-62+IS CCV_00005 Amount Added: 1.00 Units: mL

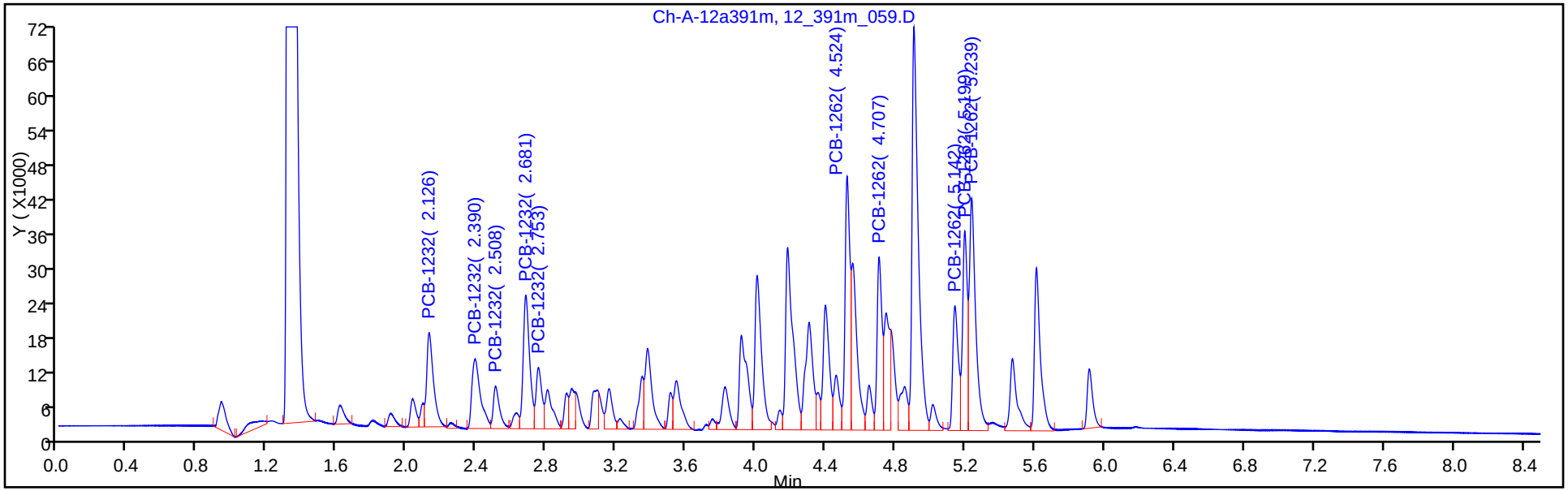
Report Date: 19-May-2017 18:17:17 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

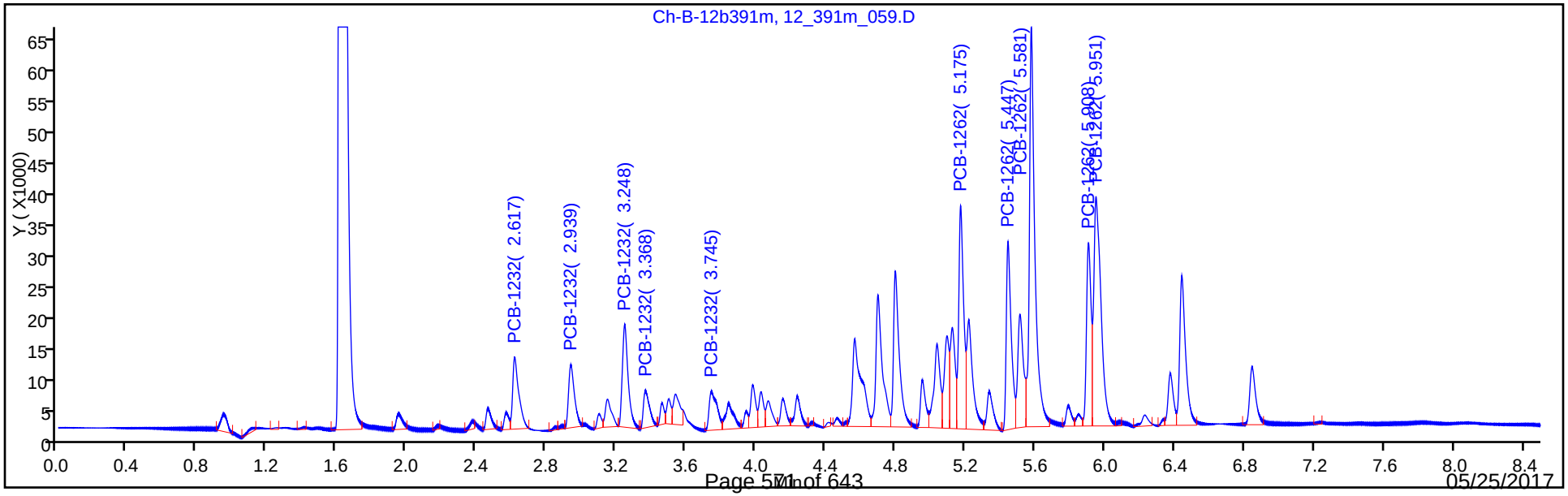
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Injection Date:	19-May-2017 15:03:42	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



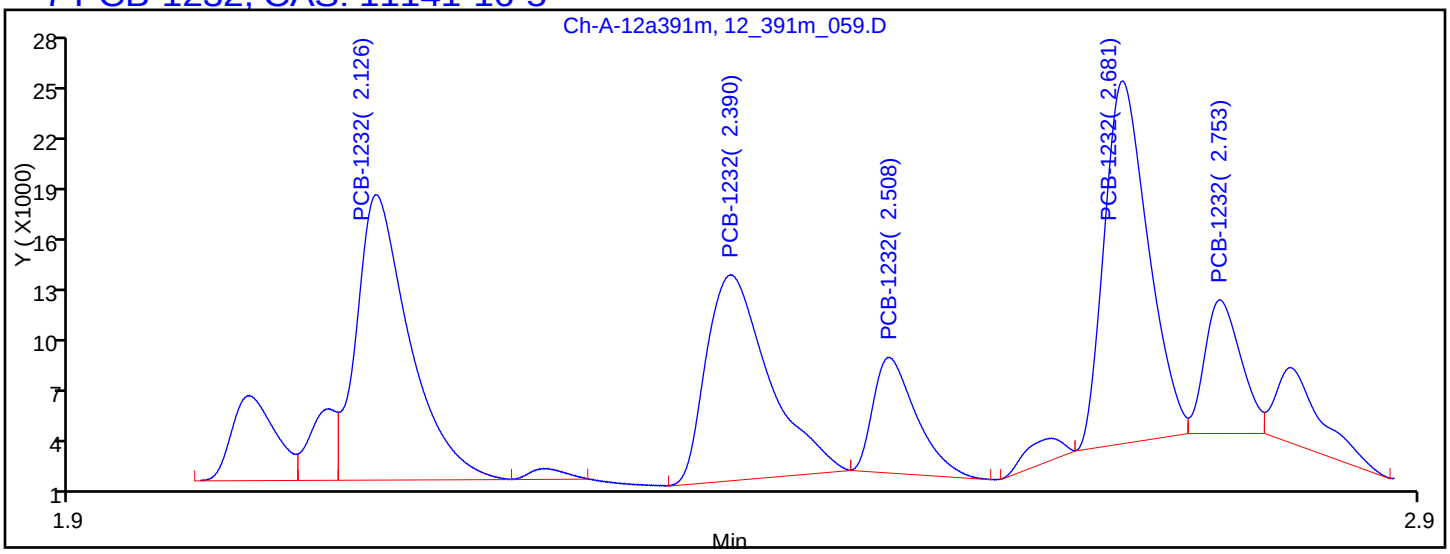
Report Date: 19-May-2017 18:17:17 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_059.D

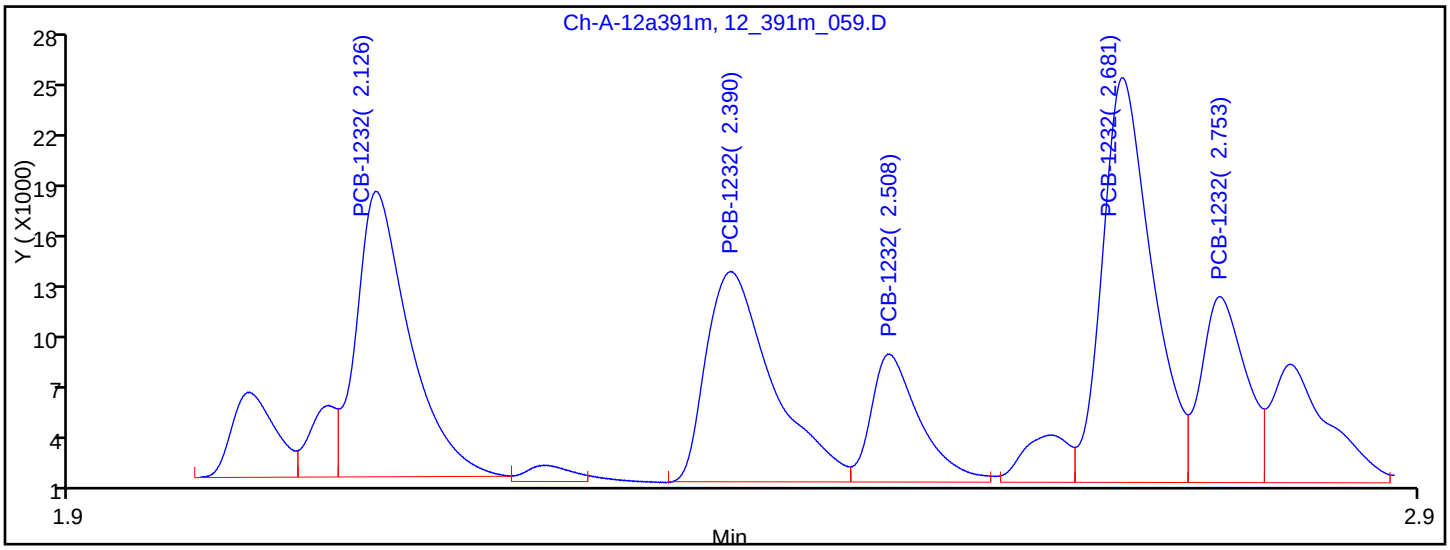
Injection Date:	19-May-2017 15:03:42	Instrument ID:	HP5890-12		
Lims ID:	CCV				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

7 PCB-1232, CAS: 11141-16-5



Processing Integration Results

2.126	Response = 44527
2.390	Response = 38171
2.508	Response = 14764
2.681	Response = 47011
2.753	Response = 14412



Manual Integration Results

2.126	Response = 44527	
2.390	Response = 41330	M
2.508	Response = 18423	M
2.681	Response = 59508	M
2.753	Response = 24583	M

Reviewer: owenj, 19-May-2017 18:09:25

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

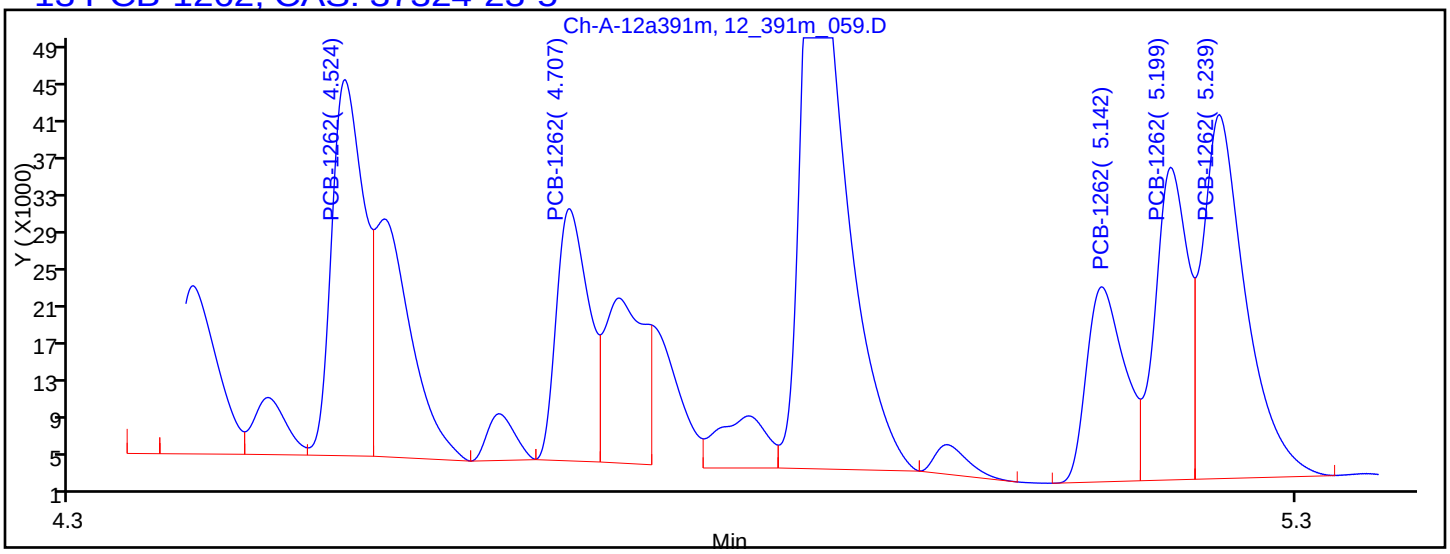
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TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_059.D

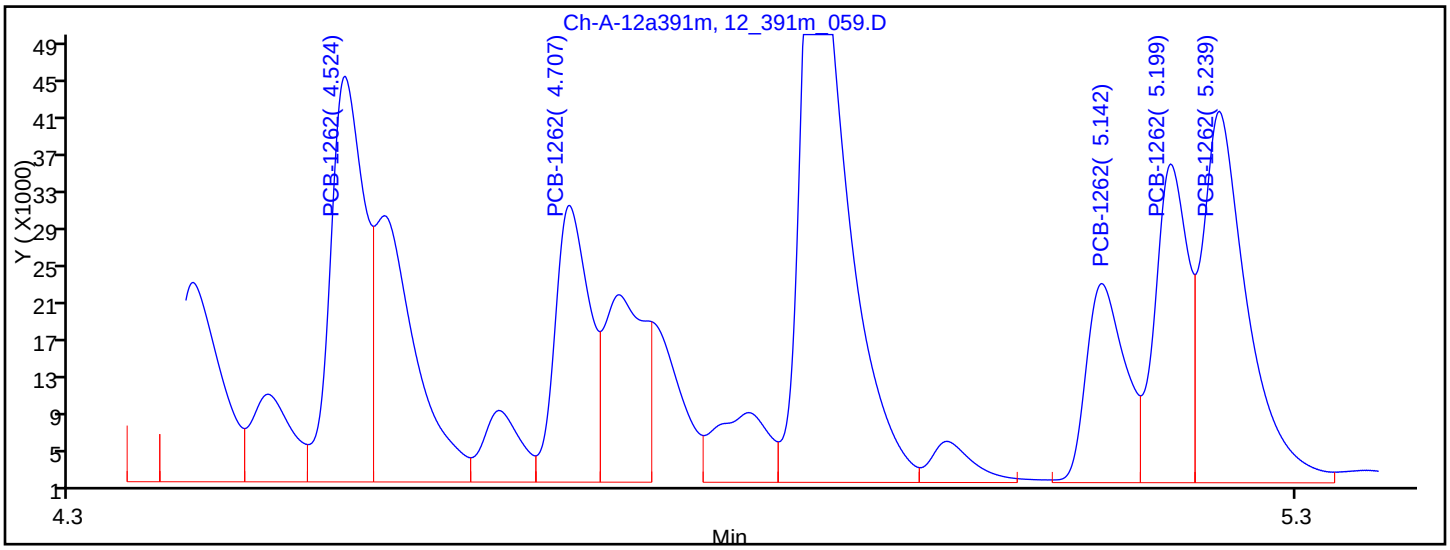
Injection Date:	19-May-2017 15:03:42	Instrument ID:	HP5890-12		
Lims ID:	CCV				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

13 PCB-1262, CAS: 37324-23-5



Processing Integration Results

4.524	Response = 75581
4.707	Response = 50474
5.142	Response = 45793
5.199	Response = 63250
5.239	Response = 96858



Manual Integration Results

4.524	Response = 85947	M
4.707	Response = 58887	M
5.142	Response = 47620	M
5.199	Response = 64987	M
5.239	Response = 103257	M

Reviewer: owenj, 19-May-2017 18:09:25

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Lab Sample ID: CCV 480-358279/6 Calibration Date: 05/19/2017 15:03

Instrument ID: HP5890-12 Calib Start Date: 05/11/2017 20:53

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/11/2017 21:24

Lab File ID: 12_391m_059.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Lin1		0.0272		0.531	0.500	6.3	20.0
PCB-1232 Peak 2	Lin1		0.0229		0.511	0.500	2.2	20.0
PCB-1232 Peak 3	Lin1		0.0364		0.474	0.500	-5.3	20.0
PCB-1232 Peak 4	Lin1		0.0138		0.454	0.500	-9.2	20.0
PCB-1232 Peak 5	Lin1		0.0188		0.550	0.500	10.0	20.0
PCB-1262 Peak 1	Lin1		0.0676		0.576	0.500	15.1	20.0
PCB-1262 Peak 2	Lin1		0.0572		0.542	0.500	8.4	20.0
PCB-1262 Peak 3	Lin1		0.1359		0.534	0.500	6.9	20.0
PCB-1262 Peak 4	Lin1		0.0509		0.542	0.500	8.5	20.0
PCB-1262 Peak 5	Lin1		0.1024		0.537	0.500	7.4	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Lab Sample ID: CCV 480-358279/6 Calibration Date: 05/19/2017 15:03

Instrument ID: HP5890-12 Calib Start Date: 05/11/2017 20:53

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/11/2017 21:24

Lab File ID: 12_391m_059.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	2.62	2.59	2.65
PCB-1232 Peak 2	2.94	2.91	2.97
PCB-1232 Peak 3	3.25	3.22	3.28
PCB-1232 Peak 4	3.37	3.34	3.40
PCB-1232 Peak 5	3.75	3.72	3.78
PCB-1262 Peak 1	5.18	5.15	5.21
PCB-1262 Peak 2	5.45	5.42	5.48
PCB-1262 Peak 3	5.58	5.55	5.61
PCB-1262 Peak 4	5.91	5.88	5.94
PCB-1262 Peak 5	5.95	5.92	5.98

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_059.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 19-May-2017 15:03:42 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub3

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 19-May-2017 18:17:12 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK018

First Level Reviewer: owenj Date: 19-May-2017 18:09:43

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.324	1.324	0.000	1220144	0.5000	0.5000	
2	1.620	1.620	0.000	1065808	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1232							M
1	2.126	2.126	0.000	44527	0.5000	0.5575	
1	2.390	2.390	0.000	41330	0.5000	0.5647	M
1	2.508	2.508	0.000	18423	0.5000	0.5437	M
1	2.681	2.681	0.000	59508	0.5000	0.5403	M
1	2.753	2.753	0.000	24583	0.5000	0.5362	M
		Average of Peak Amounts =				0.5485	
2	2.617	2.617	0.000	29019	0.5000	0.5314	
2	2.939	2.939	0.000	24372	0.5000	0.5110	
2	3.248	3.248	0.000	38820	0.5000	0.4736	
2	3.368	3.368	0.000	14705	0.5000	0.4542	
2	3.745	3.745	0.000	20073	0.5000	0.5502	
		Average of Peak Amounts =				0.5041	
						RPD = 8.44	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13	PCB-1262						M
1	4.524	4.524	0.000	85947	0.5000	0.5745	M
1	4.707	4.707	0.000	58887	0.5000	0.5505	M
1	5.142	5.142	0.000	47620	0.5000	0.5099	M
1	5.199	5.199	0.000	64987	0.5000	0.5508	M
1	5.239	5.239	0.000	103257	0.5000	0.5242	M
		Average of Peak Amounts =				0.5420	
2	5.175	5.175	0.000	72095	0.5000	0.5757	
2	5.447	5.447	0.000	60967	0.5000	0.5421	
2	5.581	5.581	0.000	144791	0.5000	0.5345	
2	5.908	5.908	0.000	54251	0.5000	0.5424	
2	5.951	5.951	0.000	109178	0.5000	0.5370	
		Average of Peak Amounts =				0.5463	
						RPD = 0.80	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

32-62+IS CCV_00005 Amount Added: 1.00 Units: mL

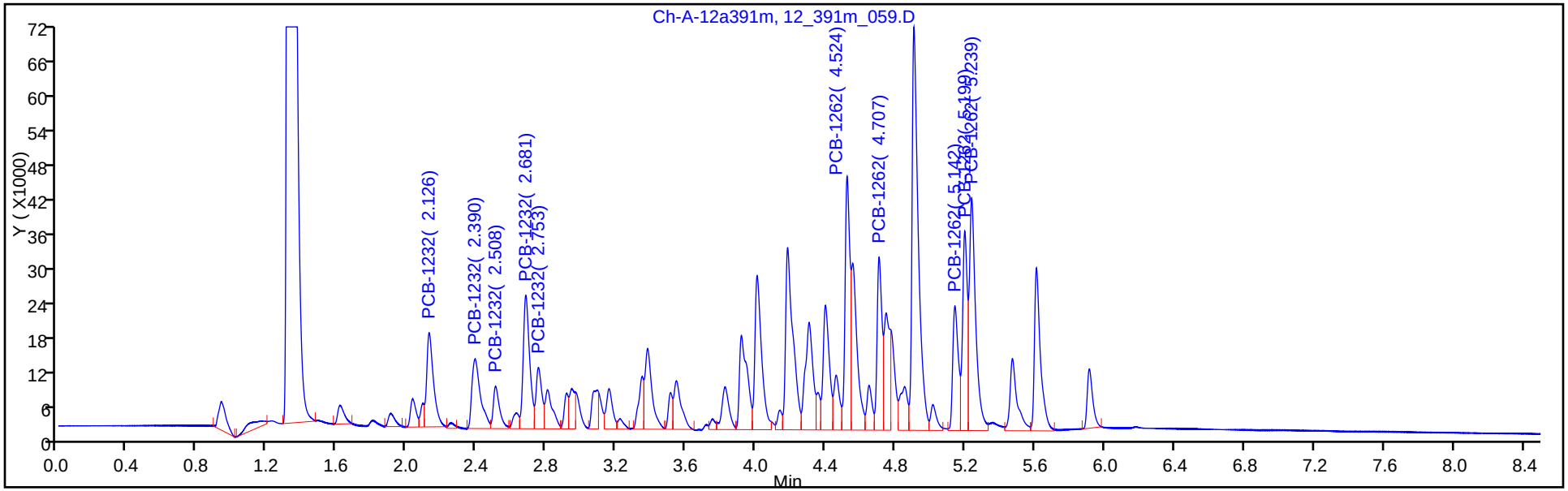
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TestAmerica Buffalo

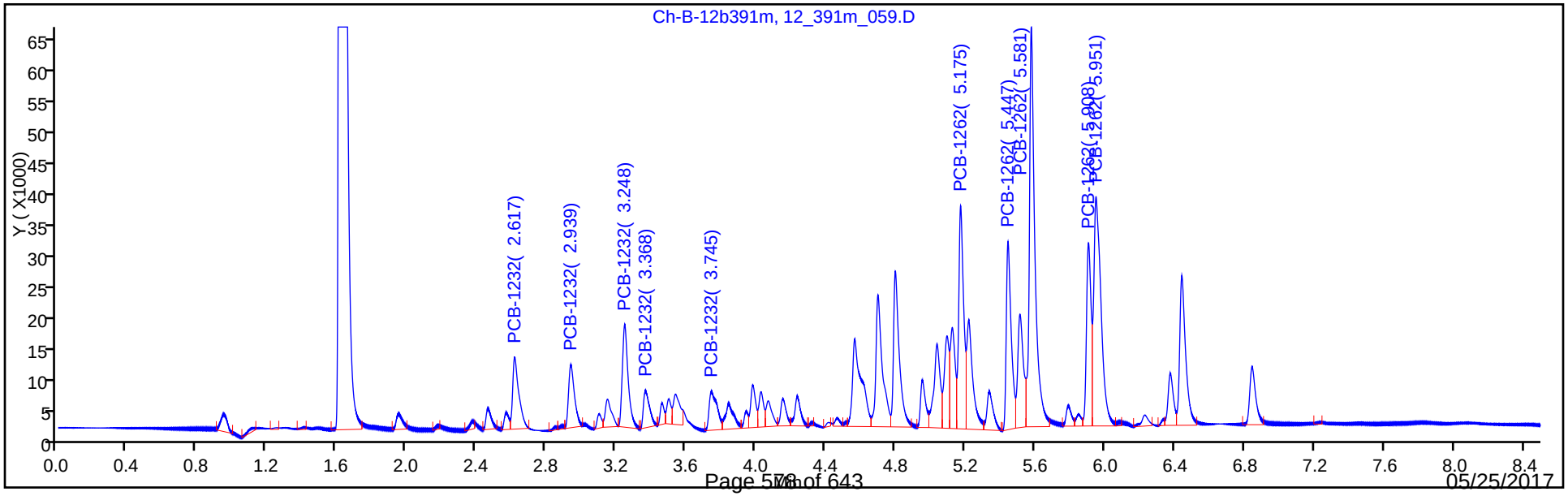
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Injection Date:	19-May-2017 15:03:42	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Lab Sample ID: CCV 480-358279/7 Calibration Date: 05/19/2017 15:19

Instrument ID: HP5890-12 Calib Start Date: 05/13/2017 11:27

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/13/2017 12:34

Lab File ID: 12_391m_060.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Lin1		0.0914		0.585	0.500	16.9	20.0
PCB-1242 Peak 2	Lin1		0.0359		0.562	0.500	12.4	20.0
PCB-1242 Peak 3	Lin1		0.0308		0.524	0.500	4.8	20.0
PCB-1242 Peak 4	Lin1		0.0582		0.606	0.500	21.2*	20.0
PCB-1242 Peak 5	Lin1		0.0354		0.843	0.500	68.5*	20.0
PCB-1268 Peak 1	Lin1		0.1548		0.739	0.500	47.8*	20.0
PCB-1268 Peak 2	Lin1		0.2805		0.687	0.500	37.4*	20.0
PCB-1268 Peak 3	Lin1		0.1632		0.710	0.500	42.0*	20.0
PCB-1268 Peak 4	Lin1		0.0742		0.660	0.500	31.9*	20.0
PCB-1268 Peak 5	Lin1		0.5177		0.685	0.500	37.1*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Lab Sample ID: CCV 480-358279/7 Calibration Date: 05/19/2017 15:19

Instrument ID: HP5890-12 Calib Start Date: 05/13/2017 11:27

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/13/2017 12:34

Lab File ID: 12_391m_060.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	2.68	2.65	2.71
PCB-1242 Peak 2	2.75	2.72	2.78
PCB-1242 Peak 3	3.16	3.13	3.19
PCB-1242 Peak 4	3.38	3.35	3.41
PCB-1242 Peak 5	3.51	3.48	3.54
PCB-1268 Peak 1	5.20	5.17	5.23
PCB-1268 Peak 2	5.24	5.21	5.27
PCB-1268 Peak 3	5.46	5.43	5.49
PCB-1268 Peak 4	5.61	5.58	5.64
PCB-1268 Peak 5	5.91	5.88	5.94

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_060.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 19-May-2017 15:19:04 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub4

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 19-May-2017 18:17:20 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK018

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.323	1.323	0.000	994430	0.5000	0.5000	
2	1.619	1.619	0.000	905901	0.5000	0.5000	
						RPD = 0.00	
8 PCB-1242							
1	2.680	2.680	0.000	90882	0.5000	0.5846	
1	2.753	2.753	0.000	35716	0.5000	0.5618	
1	3.157	3.157	0.000	30621	0.5000	0.5241	
1	3.377	3.377	0.000	57859	0.5000	0.6058	
1	3.511	3.511	0.000	35193	0.5000	0.8427	
		Average of Peak Amounts =				0.6238	
2	3.247	3.247	0.000	66592	0.5000	0.5432	
2	3.366	3.366	0.000	27274	0.5000	0.5373	
2	3.539	3.539	0.000	42194	0.5000	0.6919	
2	3.745	3.745	0.000	33835	0.5000	0.5519	
2	3.982	3.982	0.000	25158	0.5000	0.5259	
		Average of Peak Amounts =				0.5700	
						RPD = 9.00	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
14 PCB-1268							
1	5.198	5.198	0.000	153978	0.5000	0.7389	
1	5.236	5.236	0.000	278939	0.5000	0.6872	
1	5.457	5.457	0.000	162314	0.5000	0.7100	
1	5.610	5.610	0.000	73781	0.5000	0.6595	
1	5.911	5.911	0.000	514858	0.5000	0.6853	
		Average of Peak Amounts =				0.6962	
2	5.905	5.905	0.000	127988	0.5000	0.6565	
2	5.948	5.948	0.000	186464	0.5000	0.6694	
2	6.228	6.228	0.000	132798	0.5000	0.6692	
2	6.443	6.443	0.000	62099	0.5000	0.6508	
2	6.842	6.842	0.000	448902	0.5000	0.6891	
		Average of Peak Amounts =				0.6670	
						RPD = 4.28	

Reagents:

42-68+IS CCV_00005 Amount Added: 1.00 Units: mL

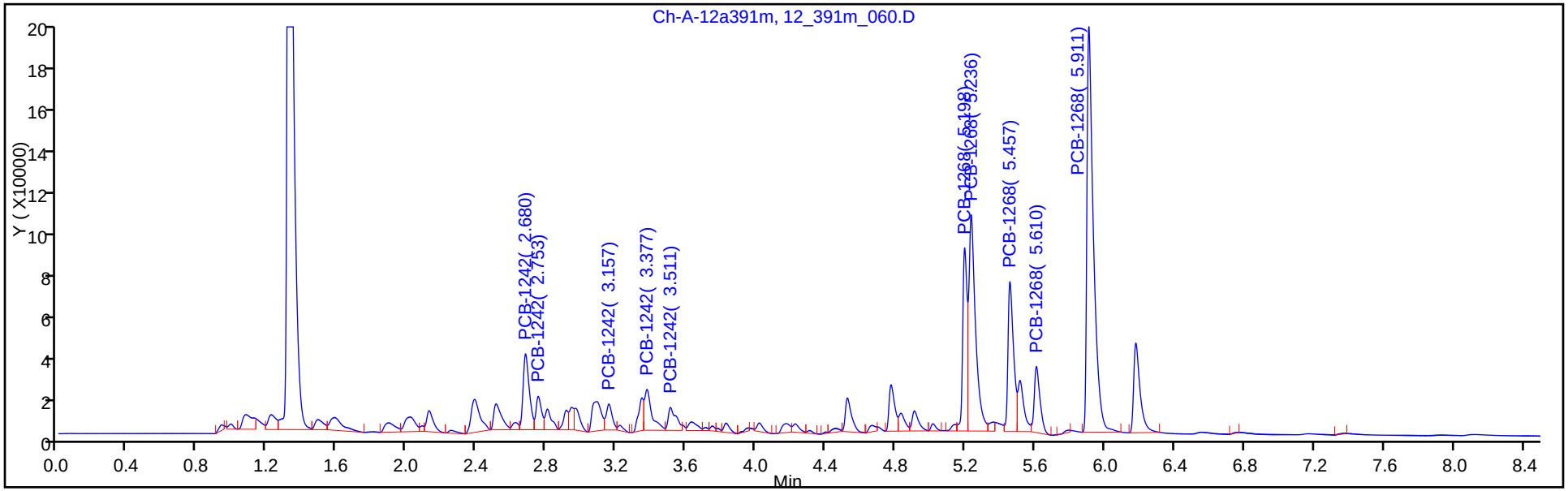
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TestAmerica Buffalo

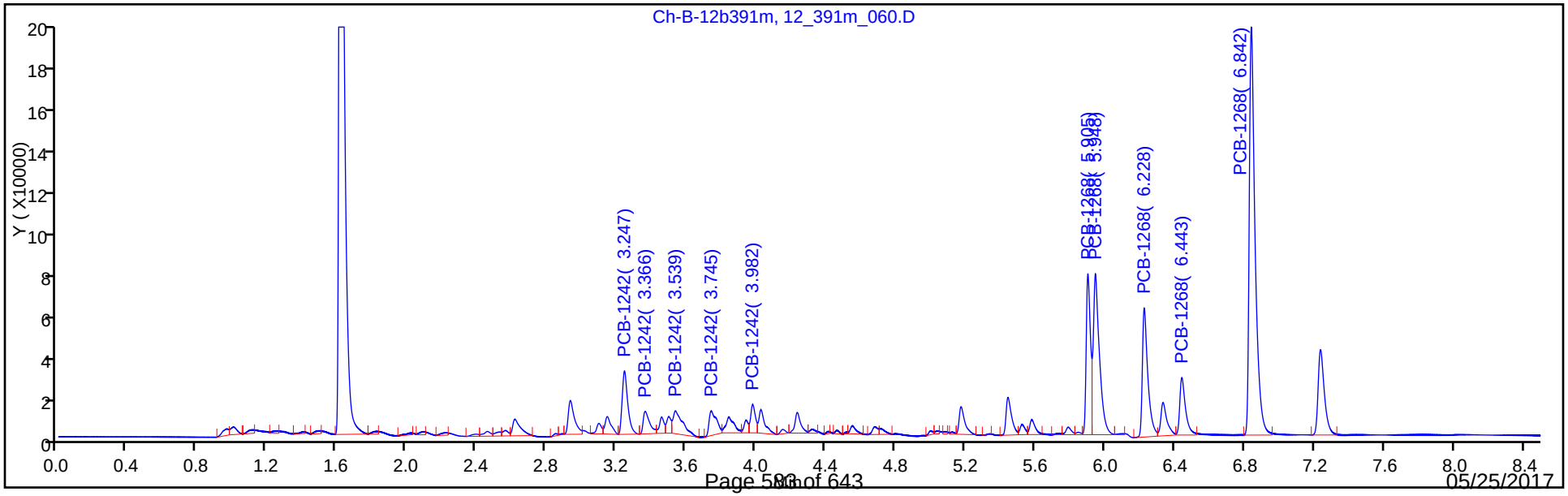
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Injection Date:	19-May-2017 15:19:04	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Lab Sample ID: CCV 480-358279/7 Calibration Date: 05/19/2017 15:19

Instrument ID: HP5890-12 Calib Start Date: 05/13/2017 11:27

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/13/2017 12:34

Lab File ID: 12_391m_060.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Lin1		0.0735		0.543	0.500	8.6	20.0
PCB-1242 Peak 2	Lin1		0.0301		0.537	0.500	7.5	20.0
PCB-1242 Peak 3	Lin1		0.0466		0.692	0.500	38.4*	20.0
PCB-1242 Peak 4	Lin1		0.0374		0.552	0.500	10.4	20.0
PCB-1242 Peak 5	Lin1		0.0278		0.526	0.500	5.2	20.0
PCB-1268 Peak 1	Lin1		0.1413		0.656	0.500	31.3*	20.0
PCB-1268 Peak 2	Lin1		0.2058		0.669	0.500	33.9*	20.0
PCB-1268 Peak 3	Lin1		0.1466		0.669	0.500	33.8*	20.0
PCB-1268 Peak 4	Lin1		0.0686		0.651	0.500	30.2*	20.0
PCB-1268 Peak 5	Lin1		0.4955		0.689	0.500	37.8*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Lab Sample ID: CCV 480-358279/7 Calibration Date: 05/19/2017 15:19

Instrument ID: HP5890-12 Calib Start Date: 05/13/2017 11:27

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/13/2017 12:34

Lab File ID: 12_391m_060.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	3.25	3.22	3.28
PCB-1242 Peak 2	3.37	3.34	3.40
PCB-1242 Peak 3	3.54	3.51	3.57
PCB-1242 Peak 4	3.75	3.72	3.78
PCB-1242 Peak 5	3.98	3.95	4.01
PCB-1268 Peak 1	5.91	5.88	5.94
PCB-1268 Peak 2	5.95	5.92	5.98
PCB-1268 Peak 3	6.23	6.20	6.26
PCB-1268 Peak 4	6.44	6.41	6.47
PCB-1268 Peak 5	6.84	6.81	6.87

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_060.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 19-May-2017 15:19:04 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub4

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 19-May-2017 18:17:20 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK018

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.323	1.323	0.000	994430	0.5000	0.5000	
2	1.619	1.619	0.000	905901	0.5000	0.5000	
						RPD = 0.00	
8 PCB-1242							
1	2.680	2.680	0.000	90882	0.5000	0.5846	
1	2.753	2.753	0.000	35716	0.5000	0.5618	
1	3.157	3.157	0.000	30621	0.5000	0.5241	
1	3.377	3.377	0.000	57859	0.5000	0.6058	
1	3.511	3.511	0.000	35193	0.5000	0.8427	
		Average of Peak Amounts =				0.6238	
2	3.247	3.247	0.000	66592	0.5000	0.5432	
2	3.366	3.366	0.000	27274	0.5000	0.5373	
2	3.539	3.539	0.000	42194	0.5000	0.6919	
2	3.745	3.745	0.000	33835	0.5000	0.5519	
2	3.982	3.982	0.000	25158	0.5000	0.5259	
		Average of Peak Amounts =				0.5700	
						RPD = 9.00	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
14 PCB-1268							
1	5.198	5.198	0.000	153978	0.5000	0.7389	
1	5.236	5.236	0.000	278939	0.5000	0.6872	
1	5.457	5.457	0.000	162314	0.5000	0.7100	
1	5.610	5.610	0.000	73781	0.5000	0.6595	
1	5.911	5.911	0.000	514858	0.5000	0.6853	
		Average of Peak Amounts =				0.6962	
2	5.905	5.905	0.000	127988	0.5000	0.6565	
2	5.948	5.948	0.000	186464	0.5000	0.6694	
2	6.228	6.228	0.000	132798	0.5000	0.6692	
2	6.443	6.443	0.000	62099	0.5000	0.6508	
2	6.842	6.842	0.000	448902	0.5000	0.6891	
		Average of Peak Amounts =				0.6670	
						RPD = 4.28	

Reagents:

42-68+IS CCV_00005 Amount Added: 1.00 Units: mL

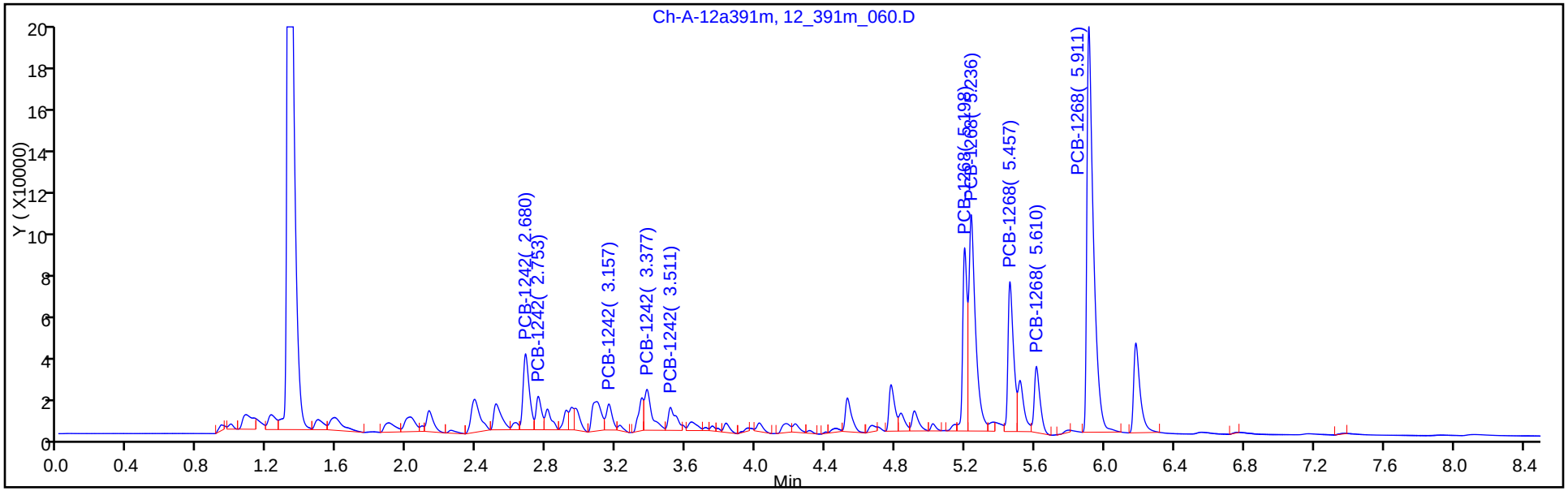
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TestAmerica Buffalo

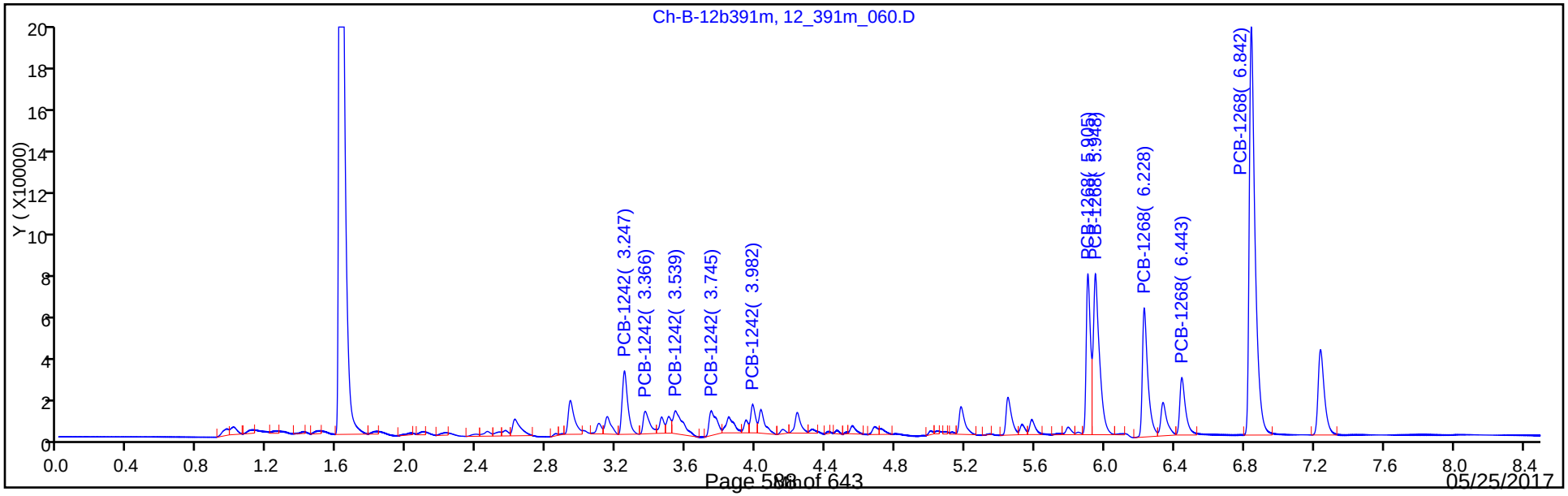
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Injection Date:	19-May-2017 15:19:04	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Lab Sample ID: CCV 480-358279/8 Calibration Date: 05/19/2017 15:34

Instrument ID: HP5890-12 Calib Start Date: 05/13/2017 13:04

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/13/2017 13:35

Lab File ID: 12_391m_061.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Lin1		0.0268		0.546	0.500	9.3	20.0
PCB-1248 Peak 2	Ave	0.0509	0.0376		0.370	0.500	-26.1*	20.0
PCB-1248 Peak 3	Lin1		0.0487		0.400	0.500	-19.9	20.0
PCB-1248 Peak 4	Lin1		0.0840		0.418	0.500	-16.4	20.0
PCB-1248 Peak 5	Lin1		0.0282		0.410	0.500	-18.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Lab Sample ID: CCV 480-358279/8 Calibration Date: 05/19/2017 15:34

Instrument ID: HP5890-12 Calib Start Date: 05/13/2017 13:04

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/13/2017 13:35

Lab File ID: 12_391m_061.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	2.94	2.91	2.97
PCB-1248 Peak 2	3.16	3.13	3.19
PCB-1248 Peak 3	3.35	3.32	3.38
PCB-1248 Peak 4	3.38	3.35	3.41
PCB-1248 Peak 5	3.54	3.51	3.57

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_061.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 19-May-2017 15:34:23 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub5

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 19-May-2017 18:17:27 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK018

First Level Reviewer: owenj Date: 19-May-2017 18:11:42

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.323	1.323	0.000	1231923	0.5000	0.5000	
2	1.619	1.619	0.000	1070599	0.5000	0.5000	
						RPD = 0.00	
10 PCB-1248							M
1	2.943	2.943	0.000	32965	0.5000	0.5464	M
1	3.157	3.157	0.000	46370	0.5000	0.3696	
1	3.345	3.345	0.000	60005	0.5000	0.4004	
1	3.375	3.375	0.000	103444	0.5000	0.4182	
1	3.542	3.542	0.000	34736	0.5000	0.4099	M
		Average of Peak Amounts =				0.4289	
2	3.537	3.537	0.000	41491	0.5000	0.7126	M
2	3.741	3.741	0.000	31320	0.5000	0.4297	M
2	3.981	3.981	0.000	49993	0.5000	0.4531	
2	4.029	4.029	0.000	39434	0.5000	0.4325	
2	4.236	4.236	0.000	45151	0.5000	0.4141	
		Average of Peak Amounts =				0.4884	
						RPD = 12.98	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

1248+IS CCV_00005 Amount Added: 1.00 Units: mL

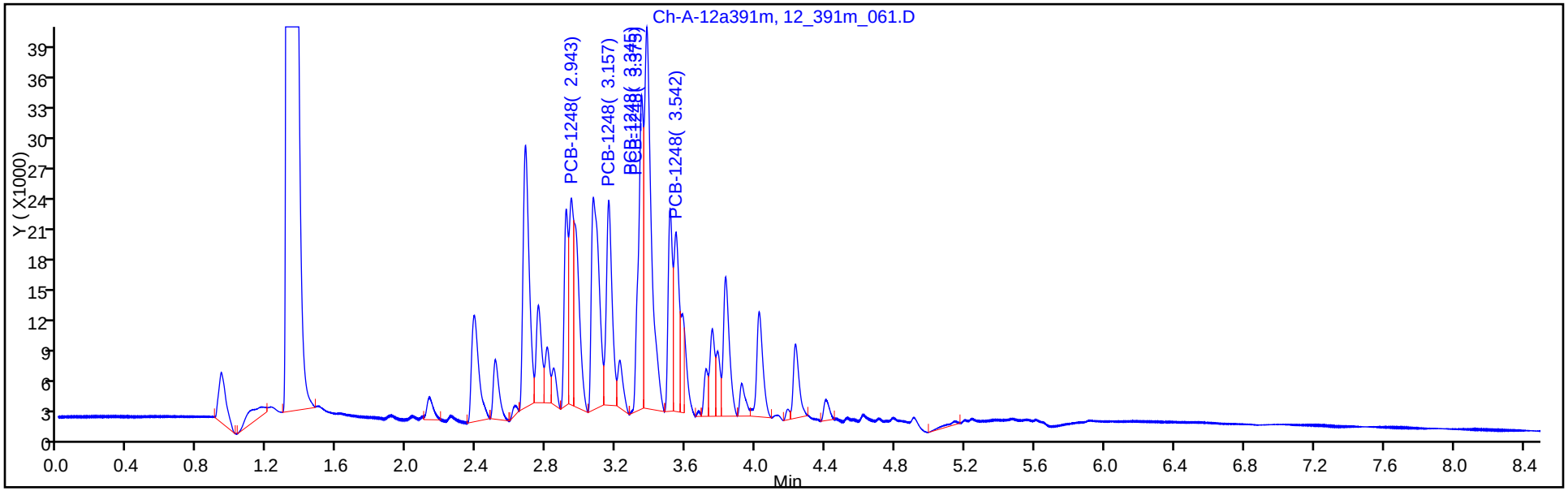
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TestAmerica Buffalo

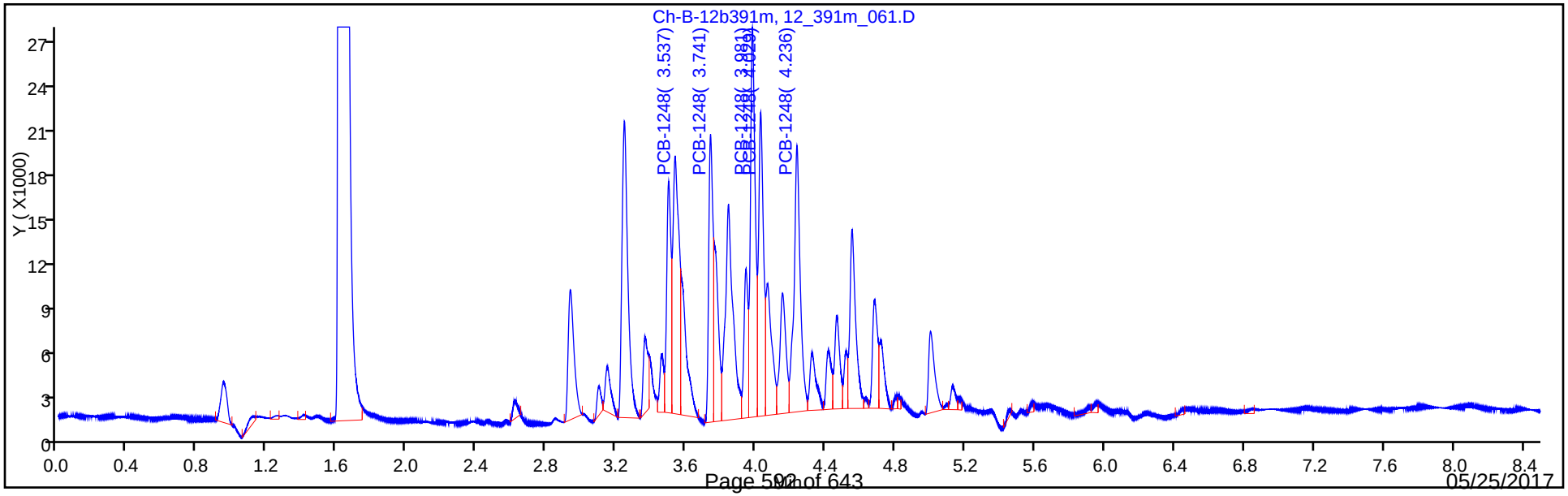
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Injection Date:	19-May-2017 15:34:23	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Report Date: 19-May-2017 18:17:30 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_061.D

Injection Date: 19-May-2017 15:34:23 Instrument ID: HP5890-12

Lims ID: CCV

Client ID:

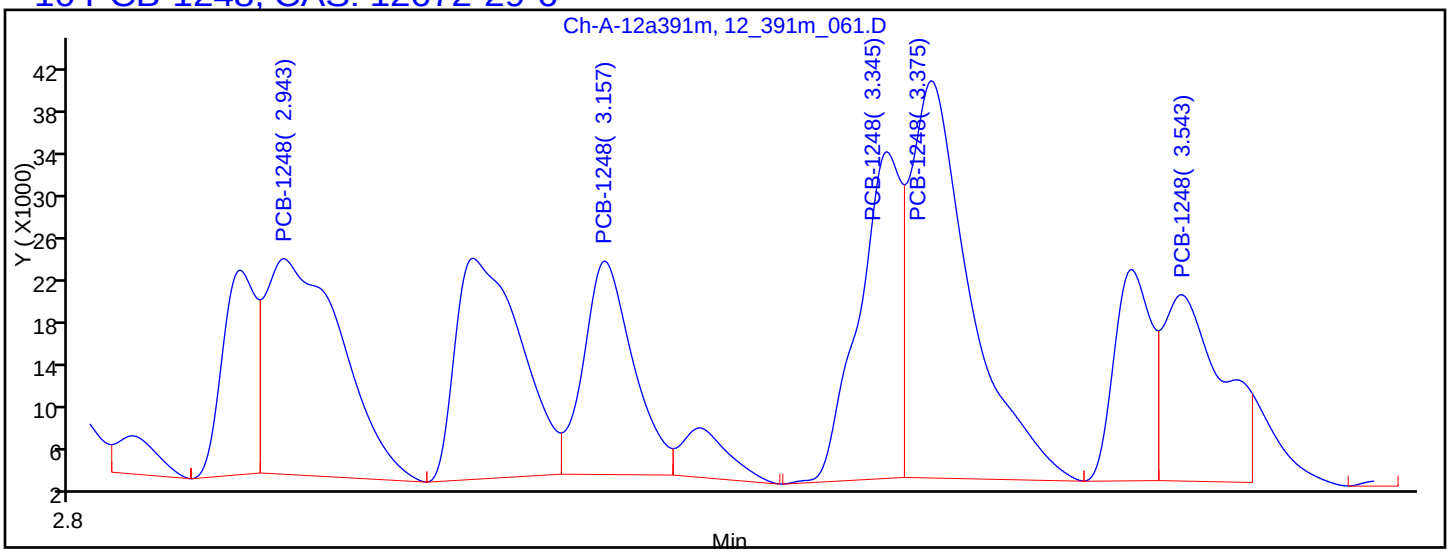
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 8

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

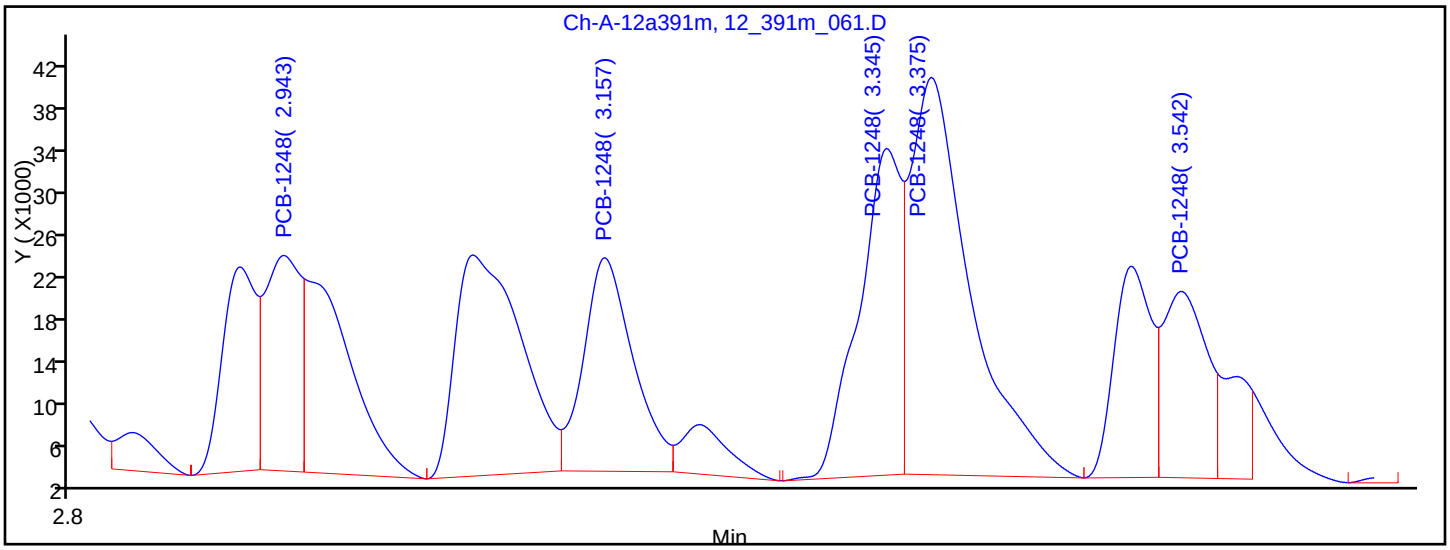
Column: Detector Ch-A-7A136

10 PCB-1248, CAS: 12672-29-6



Processing Integration Results

2.943	Response = 72681
3.157	Response = 46370
3.345	Response = 60005
3.375	Response = 103444
3.543	Response = 47821



Manual Integration Results

2.943	Response = 32965	M
3.157	Response = 46370	
3.345	Response = 60005	
3.375	Response = 103444	
3.542	Response = 34736	M

Reviewer: owenj, 19-May-2017 18:10:29

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Lab Sample ID: CCV 480-358279/8 Calibration Date: 05/19/2017 15:34

Instrument ID: HP5890-12 Calib Start Date: 05/13/2017 13:04

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/13/2017 13:35

Lab File ID: 12_391m_061.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Lin1		0.0388		0.713	0.500	42.5*	20.0
PCB-1248 Peak 2	Lin1		0.0293		0.430	0.500	-14.1	20.0
PCB-1248 Peak 3	Lin1		0.0467		0.453	0.500	-9.4	20.0
PCB-1248 Peak 4	Lin1		0.0368		0.433	0.500	-13.5	20.0
PCB-1248 Peak 5	Lin1		0.0422		0.414	0.500	-17.2	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Lab Sample ID: CCV 480-358279/8 Calibration Date: 05/19/2017 15:34

Instrument ID: HP5890-12 Calib Start Date: 05/13/2017 13:04

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/13/2017 13:35

Lab File ID: 12_391m_061.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	3.54	3.51	3.57
PCB-1248 Peak 2	3.74	3.71	3.77
PCB-1248 Peak 3	3.98	3.95	4.01
PCB-1248 Peak 4	4.03	4.00	4.06
PCB-1248 Peak 5	4.24	4.21	4.27

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_061.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 19-May-2017 15:34:23 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub5

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 19-May-2017 18:17:27 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK018

First Level Reviewer: owenj Date: 19-May-2017 18:11:42

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.323	1.323	0.000	1231923	0.5000	0.5000	
2	1.619	1.619	0.000	1070599	0.5000	0.5000	
						RPD = 0.00	
10 PCB-1248							M
1	2.943	2.943	0.000	32965	0.5000	0.5464	M
1	3.157	3.157	0.000	46370	0.5000	0.3696	
1	3.345	3.345	0.000	60005	0.5000	0.4004	
1	3.375	3.375	0.000	103444	0.5000	0.4182	
1	3.542	3.542	0.000	34736	0.5000	0.4099	M
		Average of Peak Amounts =				0.4289	
2	3.537	3.537	0.000	41491	0.5000	0.7126	M
2	3.741	3.741	0.000	31320	0.5000	0.4297	M
2	3.981	3.981	0.000	49993	0.5000	0.4531	
2	4.029	4.029	0.000	39434	0.5000	0.4325	
2	4.236	4.236	0.000	45151	0.5000	0.4141	
		Average of Peak Amounts =				0.4884	
						RPD = 12.98	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

1248+IS CCV_00005 Amount Added: 1.00 Units: mL

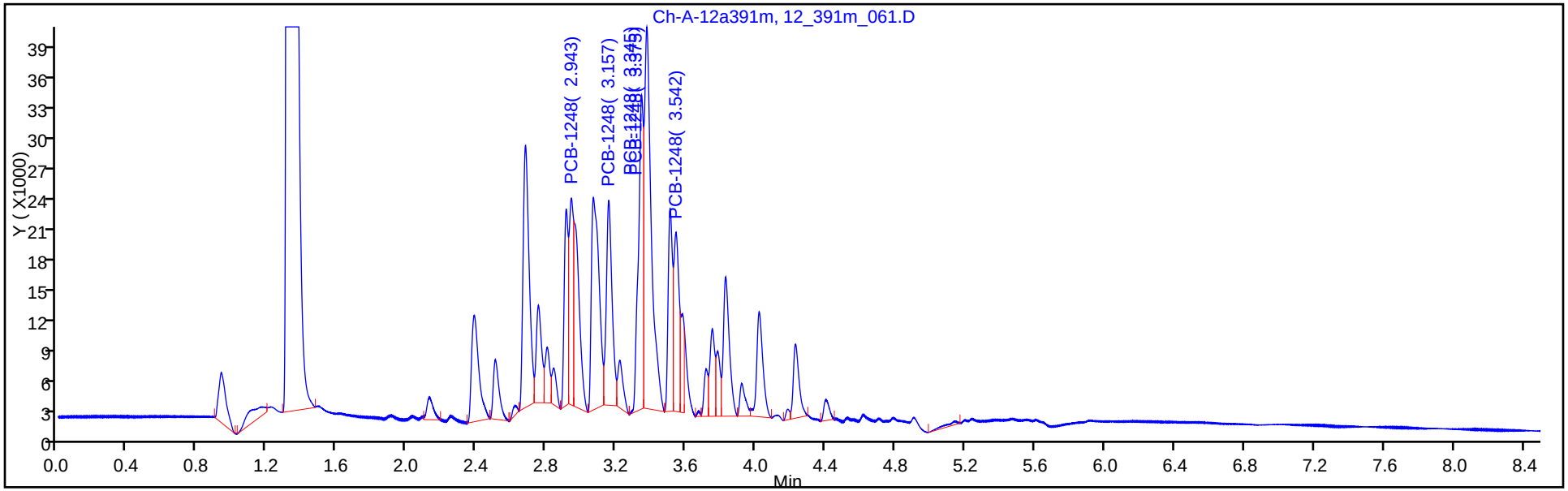
Report Date: 19-May-2017 18:17:30 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

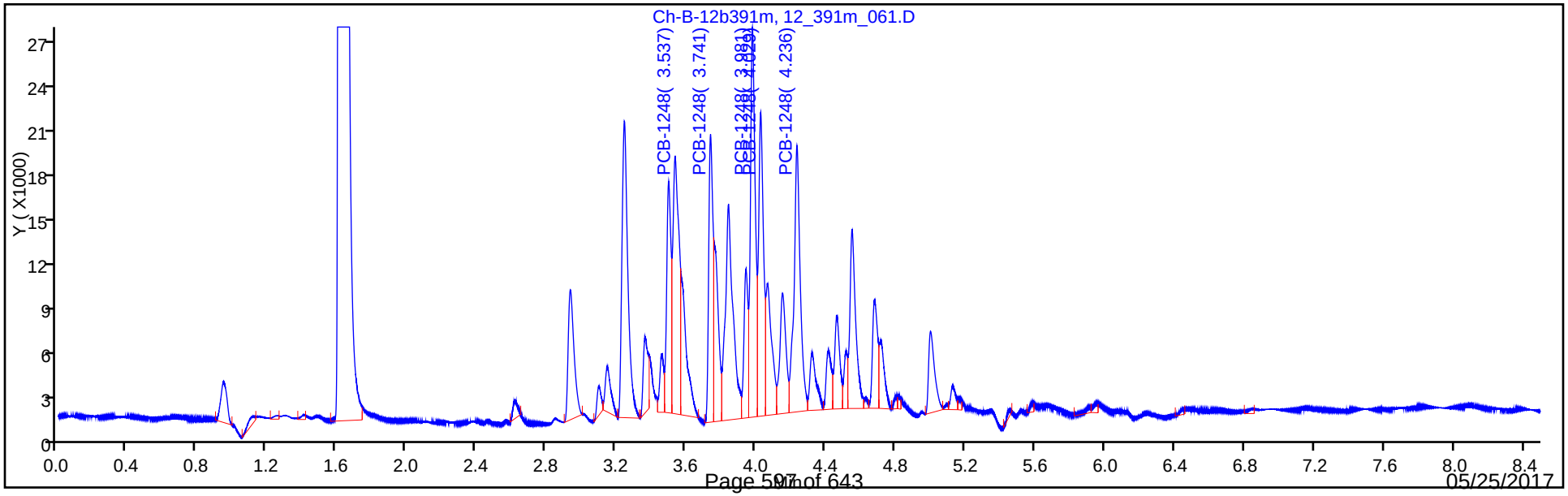
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_061.D

Injection Date:	19-May-2017 15:34:23	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



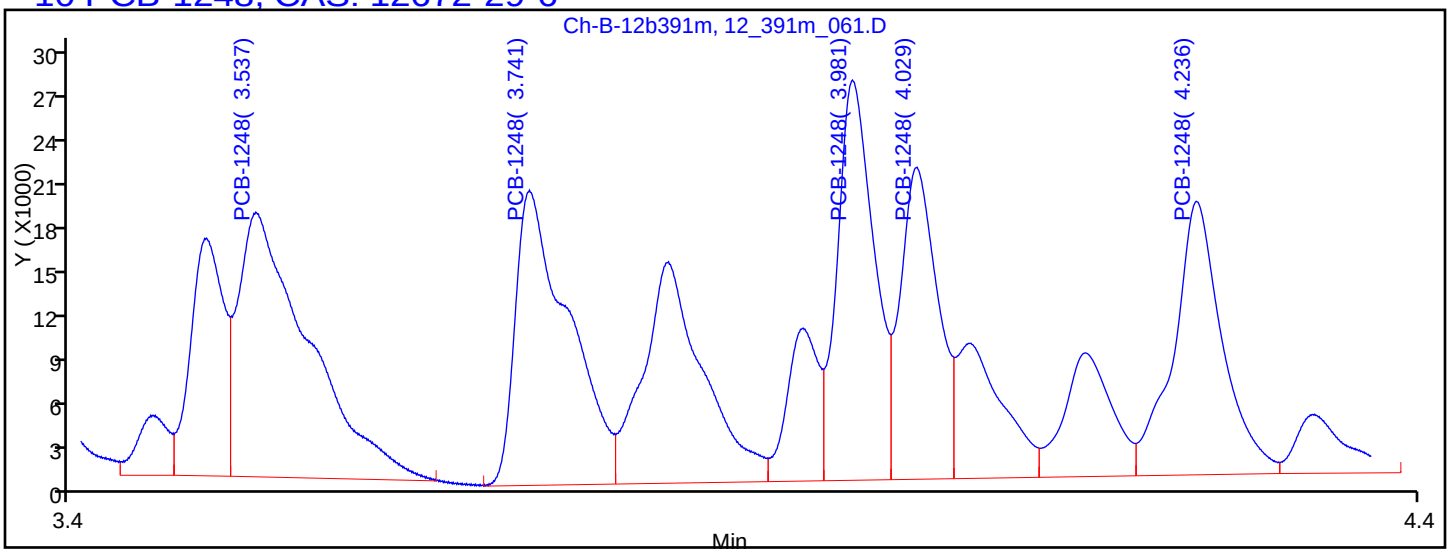
Report Date: 19-May-2017 18:17:30 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_061.D

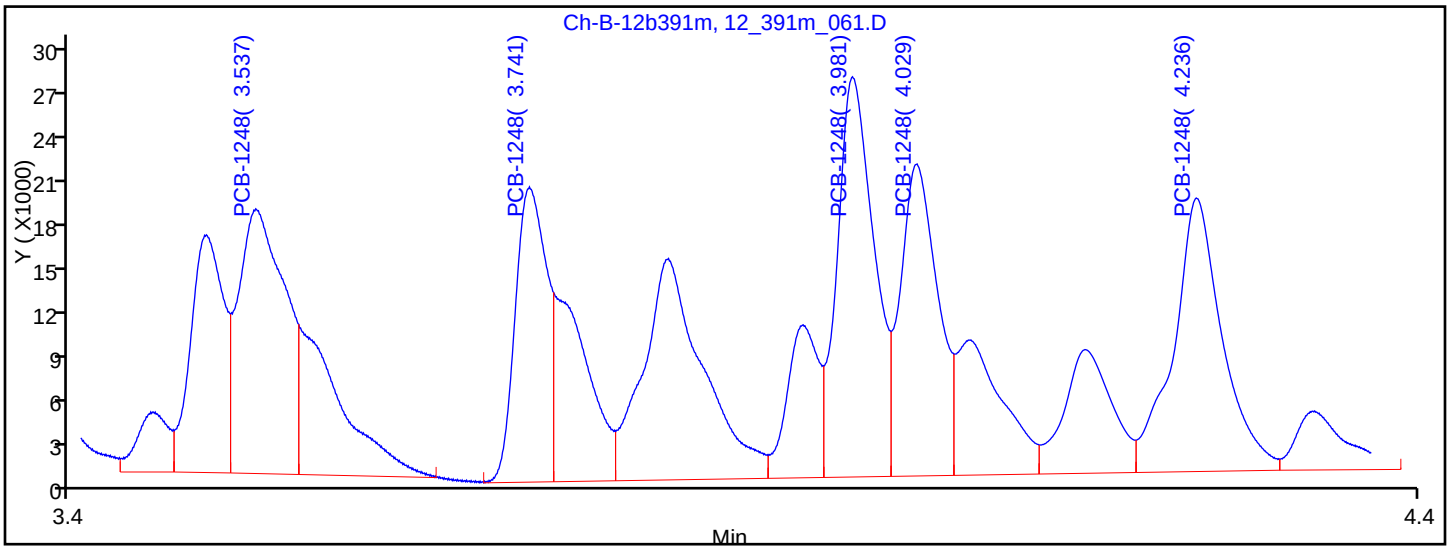
Injection Date:	19-May-2017 15:34:23	Instrument ID:	HP5890-12		
Lims ID:	CCV				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

10 PCB-1248, CAS: 12672-29-6



Processing Integration Results

3.537	Response = 62943
3.741	Response = 53415
3.981	Response = 49993
4.029	Response = 39434
4.236	Response = 45151



Manual Integration Results

3.537	Response = 41491	M
3.741	Response = 31320	M
3.981	Response = 49993	
4.029	Response = 39434	
4.236	Response = 45151	

Reviewer: owenj, 19-May-2017 18:10:33

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-358167/1-A

Matrix: Water | Lab File ID: 12_391m_068.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3510C | Date Extracted: 05/19/2017 07:25

Sample wt/vol: 250(mL) | Date Analyzed: 05/19/2017 17:53

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 358279 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	62		19-120
877-09-8	Tetrachloro-m-xylene	84		39-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_068.D
Lims ID: MB 480-358167/1-A
Client ID:
Sample Type: MB
Inject. Date: 19-May-2017 17:53:27 ALS Bottle#: 0 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 22-May-2017 10:07:16 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK021

First Level Reviewer: owenj Date: 22-May-2017 11:07:15

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.325	1.322	0.003	1092042	0.5000	0.5000	
2	1.619	1.618	0.001	975086	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.927	1.919	0.008	36874	0.0200	0.0168	
2	2.213	2.207	0.006	28429	0.0200	0.0163	
						RPD = 3.04	
$ 15 DCB Decachlorobiphenyl							
1	6.194	6.174	0.020	35496	0.0200	0.0124	
2	7.249	7.229	0.020	29815	0.0200	0.0113	
						RPD = 8.77	

Reagents:

COPPER_00070 Amount Added: 1.00 Units: g Run Reagent
PCB IS 1B2NB_00032 Amount Added: 20.00 Units: uL Run Reagent

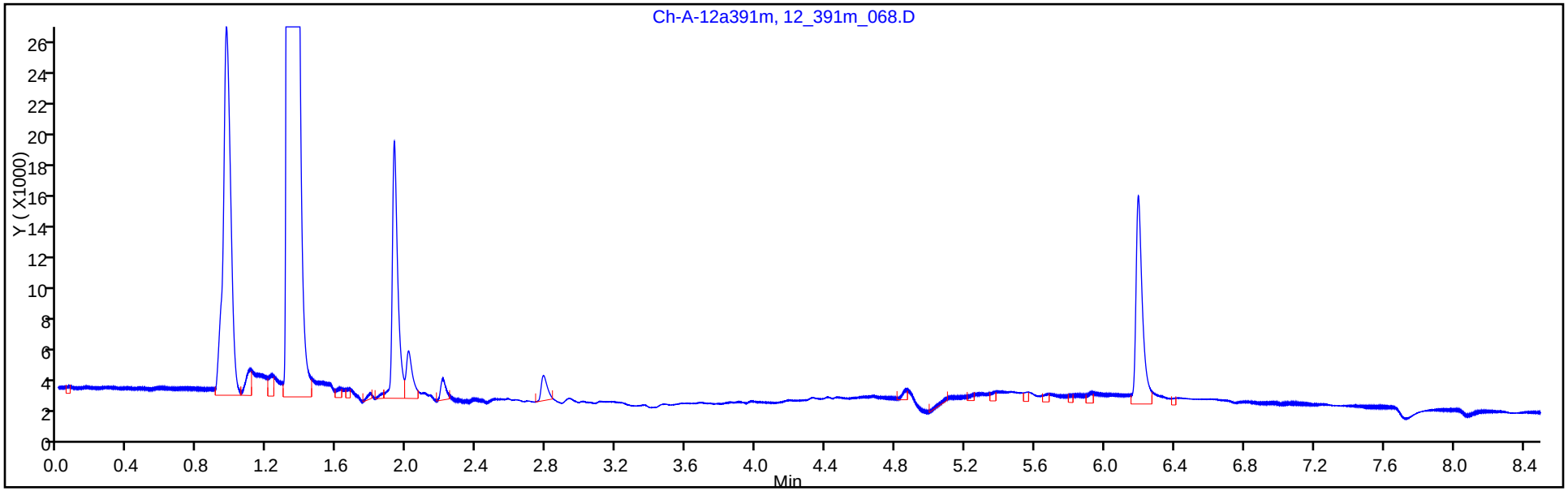
Report Date: 22-May-2017 11:07:16 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

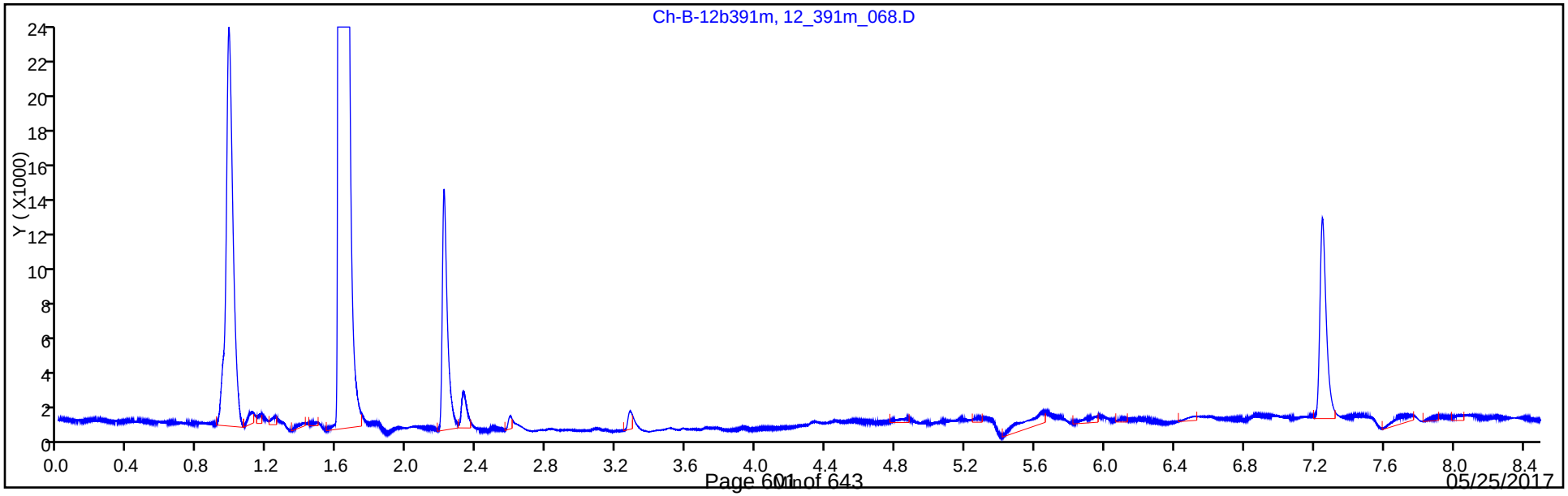
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_068.D

Injection Date:	19-May-2017 17:53:27	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	MB 480-358167/1-A			Worklist Smp#:	15
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-358167/1-A

Matrix: Water | Lab File ID: 12_391m_068.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3510C | Date Extracted: 05/19/2017 07:25

Sample wt/vol: 250(mL) | Date Analyzed: 05/19/2017 17:53

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 358279 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.50	0.18
11104-28-2	PCB-1221	ND		0.50	0.18
11141-16-5	PCB-1232	ND		0.50	0.18
53469-21-9	PCB-1242	ND		0.50	0.18
12672-29-6	PCB-1248	ND		0.50	0.18
11097-69-1	PCB-1254	ND		0.50	0.25
11096-82-5	PCB-1260	ND		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	57		19-120
877-09-8	Tetrachloro-m-xylene	81		39-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_068.D
Lims ID: MB 480-358167/1-A
Client ID:
Sample Type: MB
Inject. Date: 19-May-2017 17:53:27 ALS Bottle#: 0 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 22-May-2017 10:07:16 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK021

First Level Reviewer: owenj Date: 22-May-2017 11:07:15

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.325	1.322	0.003	1092042	0.5000	0.5000	
2	1.619	1.618	0.001	975086	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.927	1.919	0.008	36874	0.0200	0.0168	
2	2.213	2.207	0.006	28429	0.0200	0.0163	
						RPD = 3.04	
$ 15 DCB Decachlorobiphenyl							
1	6.194	6.174	0.020	35496	0.0200	0.0124	
2	7.249	7.229	0.020	29815	0.0200	0.0113	
						RPD = 8.77	

Reagents:

COPPER_00070 Amount Added: 1.00 Units: g Run Reagent
PCB IS 1B2NB_00032 Amount Added: 20.00 Units: uL Run Reagent

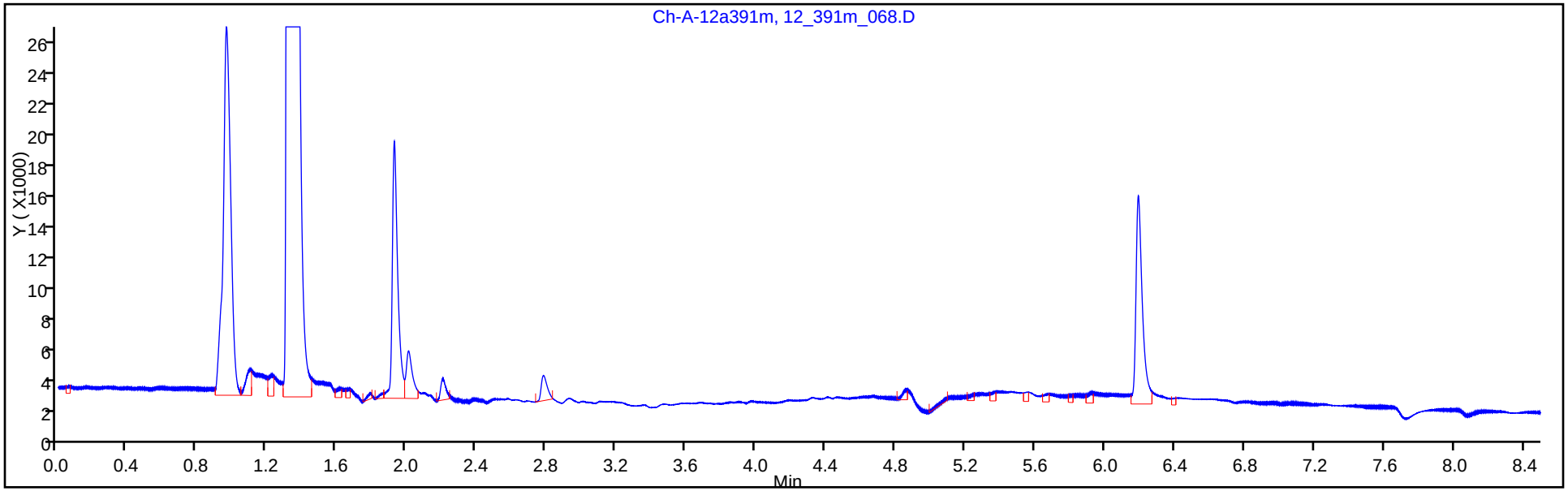
Report Date: 22-May-2017 11:07:16 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

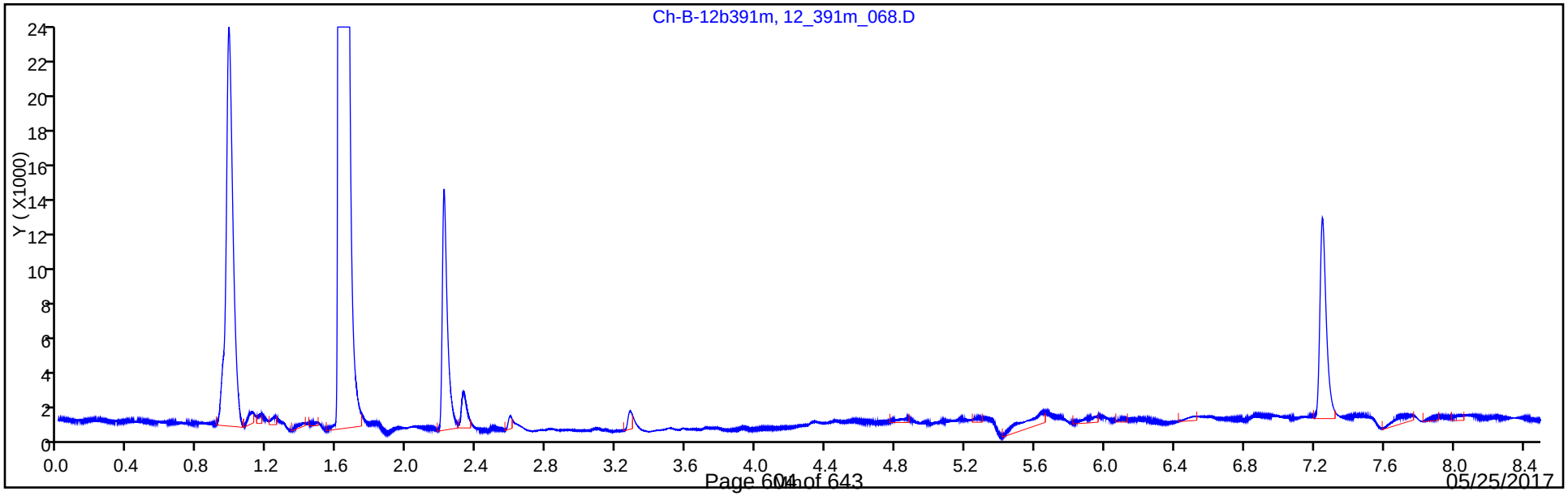
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_068.D

Injection Date:	19-May-2017 17:53:27	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	MB 480-358167/1-A			Worklist Smp#:	15
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-358167/2-A

Matrix: Water | Lab File ID: 12_391m_069.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3510C | Date Extracted: 05/19/2017 07:25

Sample wt/vol: 250(mL) | Date Analyzed: 05/19/2017 18:08

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 358279 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	55		19-120
877-09-8	Tetrachloro-m-xylene	97		39-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_069.D
Lims ID: LCS 480-358167/2-A
Client ID:
Sample Type: LCS
Inject. Date: 19-May-2017 18:08:46 ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 22-May-2017 11:08:40 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK021

First Level Reviewer: owenj Date: 22-May-2017 11:08:40

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.323	1.322	0.001	1042407	0.5000	0.5000	
2	1.619	1.618	0.001	950608	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.921	1.919	0.002	40906	0.0200	0.0195	M
2	2.211	2.207	0.004	26397	0.0200	0.0155	
						RPD = 22.67	
9 PCB-1016							M
1	2.127	2.125	0.002	29105	0.5000	0.5134	
1	2.508	2.503	0.005	27534	0.5000	0.4560	
1	2.681	2.677	0.004	102464	0.5000	0.4976	
1	2.754	2.749	0.005	42663	0.5000	0.5321	
1	2.806	2.802	0.004	23934	0.5000	0.4826	M
		Average of Peak Amounts =				0.4963	
2	2.617	2.616	0.001	22625	0.5000	0.5794	
2	2.939	2.934	0.005	41145	0.5000	0.5135	
2	3.149	3.145	0.004	23933	0.5000	0.4853	
2	3.248	3.243	0.005	77560	0.5000	0.5055	
2	3.366	3.363	0.003	30595	0.5000	0.4804	
		Average of Peak Amounts =				0.5128	
						RPD = 3.27	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.184	4.178	0.006	72108	0.5000	0.6078	M
1	4.401	4.395	0.006	92984	0.5000	0.5777	M
1	4.526	4.520	0.006	48364	0.5000	0.5303	
1	4.709	4.703	0.006	39637	0.5000	0.5232	
1	5.144	5.137	0.007	52985	0.5000	0.5121	
		Average of Peak Amounts =				0.5502	
2	5.128	5.123	0.005	57467	0.5000	0.5768	
2	5.449	5.443	0.006	42720	0.5000	0.5134	
2	5.516	5.510	0.006	31785	0.5000	0.5097	
2	5.583	5.575	0.008	109160	0.5000	0.4942	
2	5.955	5.946	0.009	67056	0.5000	0.4623	
		Average of Peak Amounts =				0.5113	
						RPD = 7.34	
$ 15 DCB Decachlorobiphenyl							
1	6.183	6.174	0.009	30050	0.0200	0.0110	
2	7.243	7.229	0.014	28048	0.0200	0.0109	
						RPD = 0.37	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

COPPER_00070	Amount Added: 1.00	Units: g	Run Reagent
PCB IS 1B2NB_00032	Amount Added: 20.00	Units: uL	Run Reagent

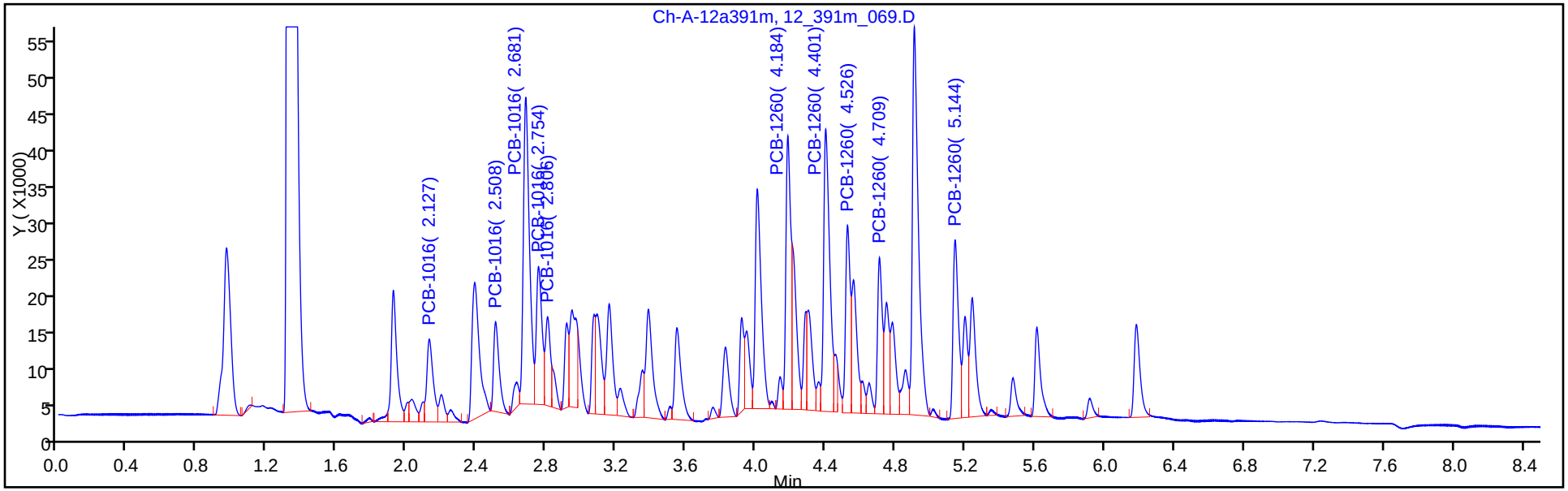
Report Date: 22-May-2017 11:08:41 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

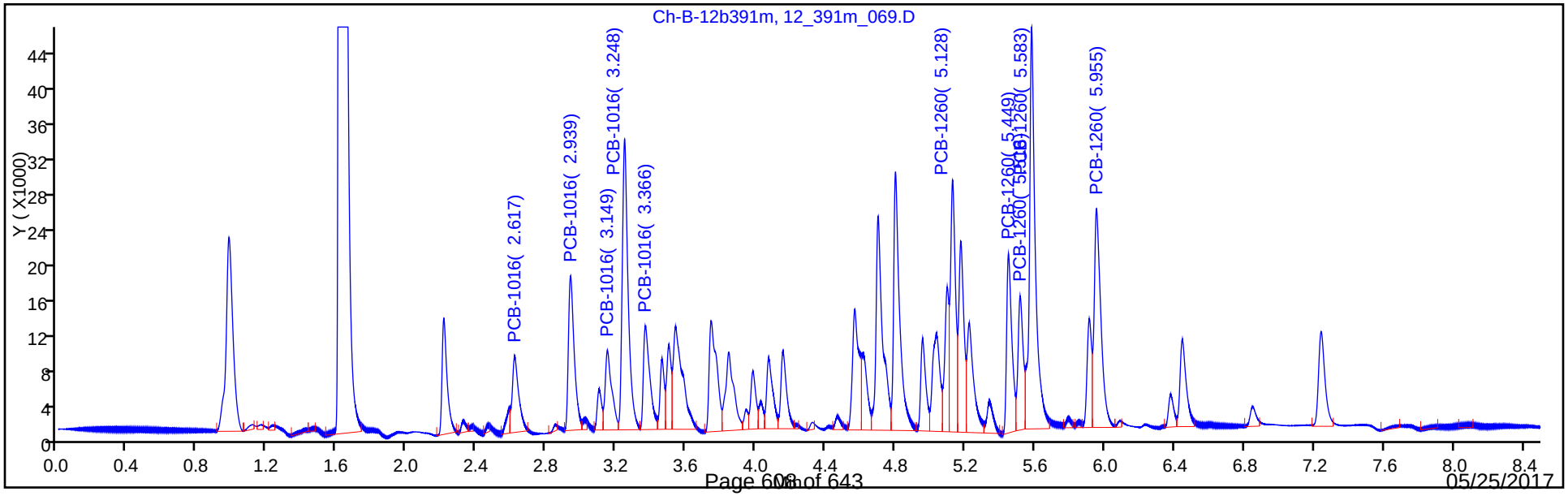
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_069.D

Injection Date:	19-May-2017 18:08:46	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	LCS 480-358167/2-A			Worklist Smp#:	16
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Report Date: 22-May-2017 11:08:41 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_069.D

Injection Date: 19-May-2017 18:08:46 Instrument ID: HP5890-12

Lims ID: LCS 480-358167/2-A

Client ID:

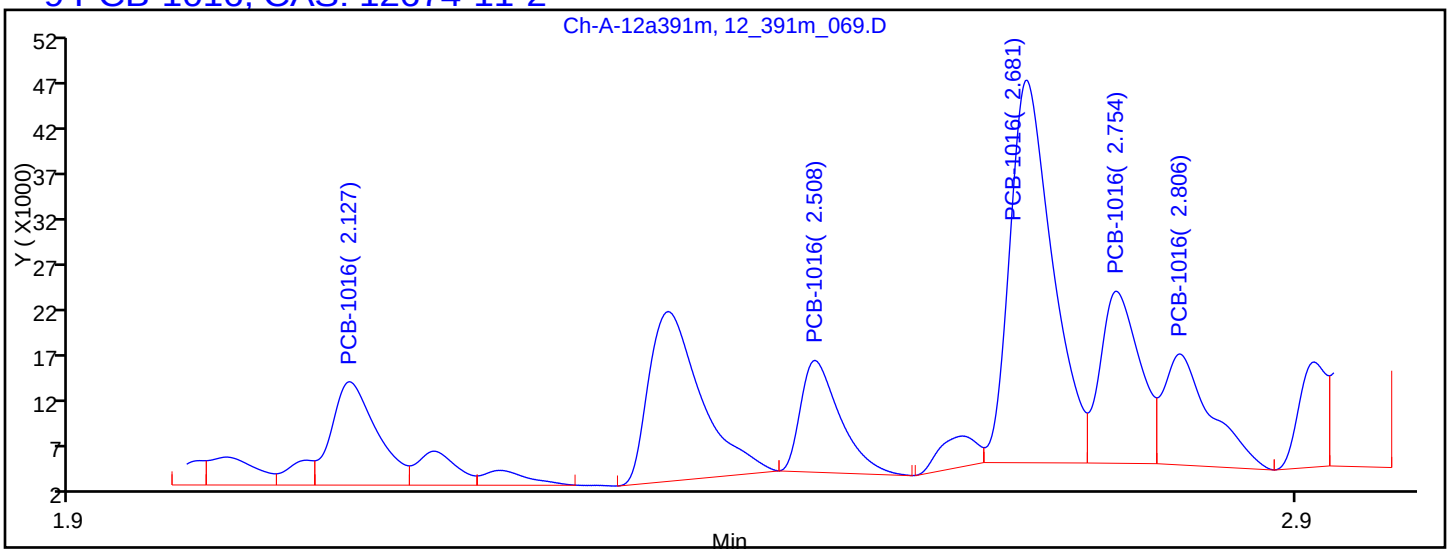
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 16

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

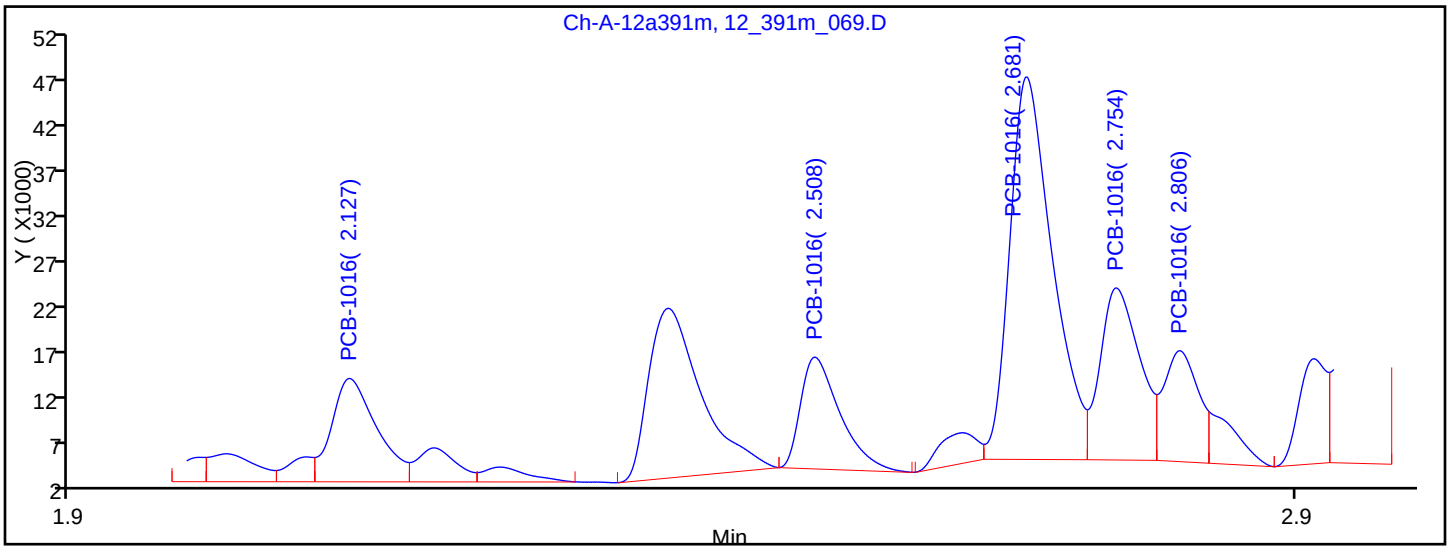
Column: Detector Ch-A-7A136

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.127	Response = 29105
2.508	Response = 27534
2.681	Response = 102464
2.754	Response = 42663
2.806	Response = 32775



Manual Integration Results

2.127	Response = 29105	
2.508	Response = 27534	
2.681	Response = 102464	
2.754	Response = 42663	
2.806	Response = 23934	M

Reviewer: owenj, 22-May-2017 11:08:00

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Report Date: 22-May-2017 11:08:41 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_069.D

Injection Date: 19-May-2017 18:08:46 Instrument ID: HP5890-12

Lims ID: LCS 480-358167/2-A

Client ID:

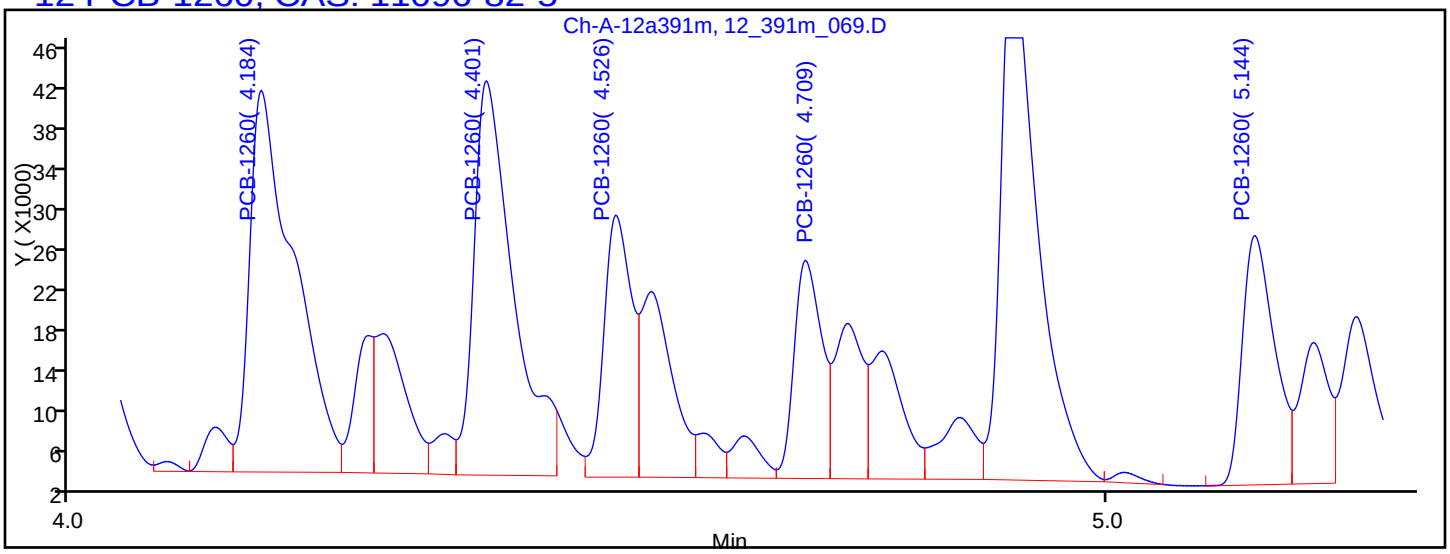
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 16

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

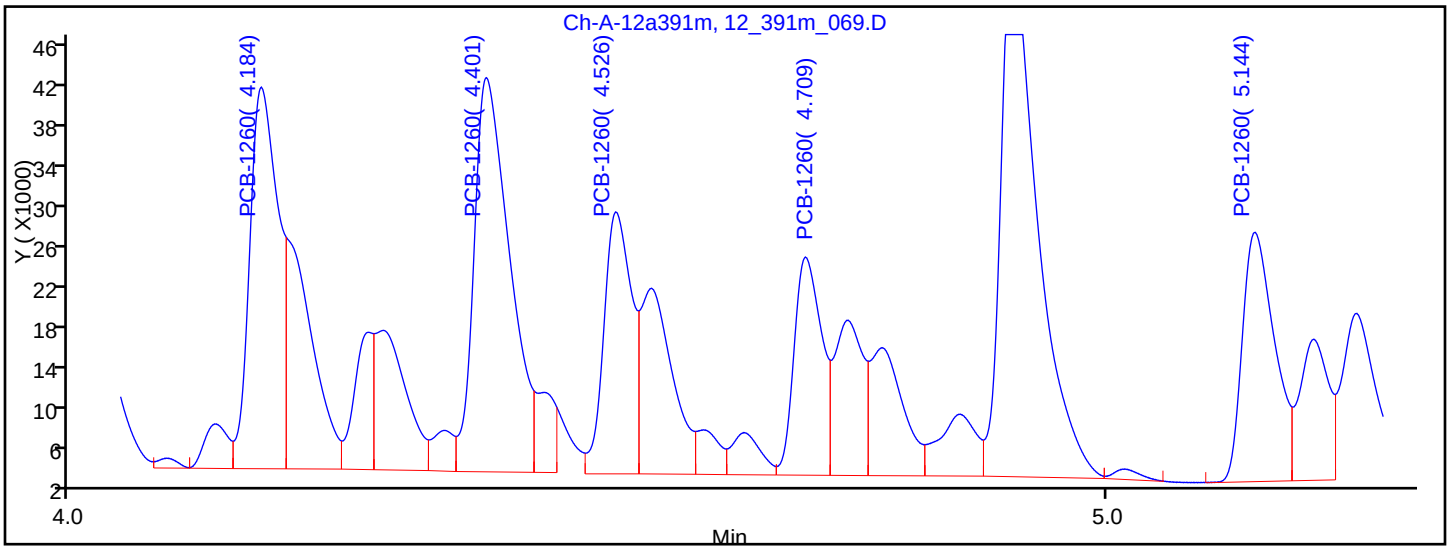
Column: Detector Ch-A-7A136

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

4.184	Response = 111760
4.401	Response = 102972
4.526	Response = 48364
4.709	Response = 39637
5.144	Response = 52985



Manual Integration Results

4.184	Response = 72108	M
4.401	Response = 92984	M
4.526	Response = 48364	
4.709	Response = 39637	
5.144	Response = 52985	

Reviewer: owenj, 22-May-2017 11:08:07

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

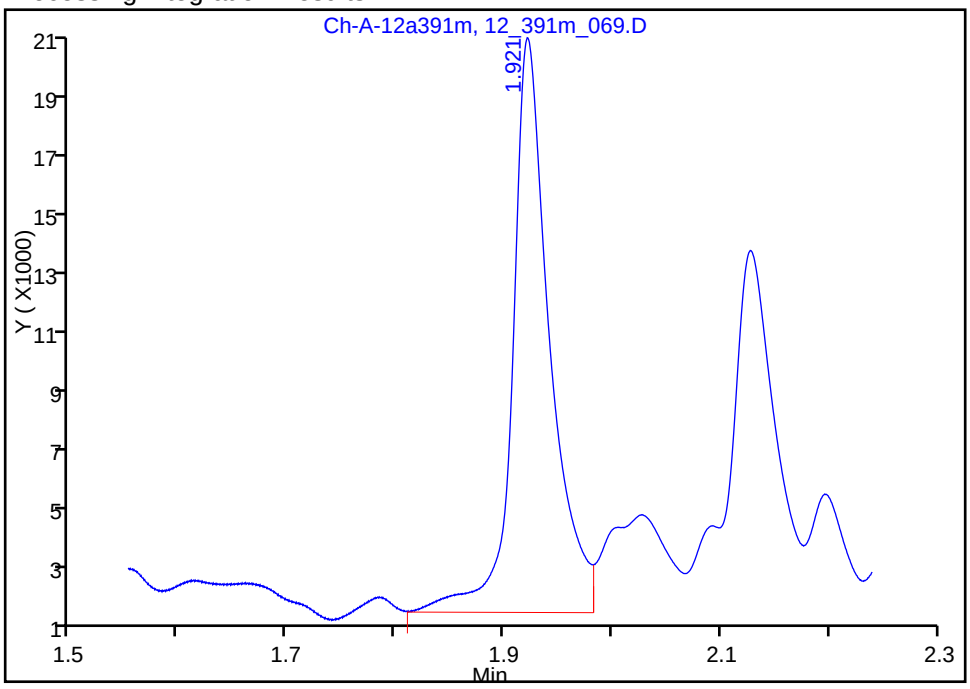
Data File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_069.D				
Injection Date:	19-May-2017 18:08:46	Instrument ID:	HP5890-12		
Lims ID:	LCS 480-358167/2-A				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 1

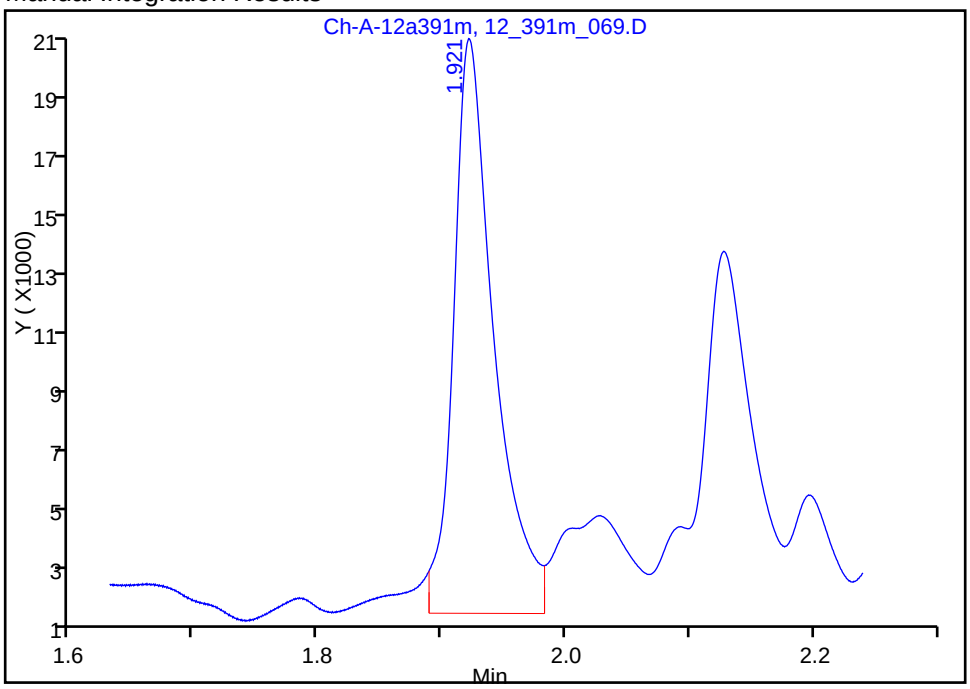
Processing Integration Results

RT: 1.92
Area: 43153
Amount: 0.020550
Amount Units: ng/uL



Manual Integration Results

RT: 1.92
Area: 40906
Amount: 0.019490
Amount Units: ng/uL



Reviewer: owenj, 22-May-2017 11:08:02

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-358167/2-A

Matrix: Water | Lab File ID: 12_391m_069.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3510C | Date Extracted: 05/19/2017 07:25

Sample wt/vol: 250(mL) | Date Analyzed: 05/19/2017 18:08

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 358279 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	4.10		0.50	0.18
11096-82-5	PCB-1260	4.09		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	55		19-120
877-09-8	Tetrachloro-m-xylene	78		39-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_069.D
Lims ID: LCS 480-358167/2-A
Client ID:
Sample Type: LCS
Inject. Date: 19-May-2017 18:08:46 ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 22-May-2017 11:08:40 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK021

First Level Reviewer: owenj Date: 22-May-2017 11:08:40

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.323	1.322	0.001	1042407	0.5000	0.5000	
2	1.619	1.618	0.001	950608	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.921	1.919	0.002	40906	0.0200	0.0195	M
2	2.211	2.207	0.004	26397	0.0200	0.0155	
						RPD = 22.67	
9 PCB-1016							M
1	2.127	2.125	0.002	29105	0.5000	0.5134	
1	2.508	2.503	0.005	27534	0.5000	0.4560	
1	2.681	2.677	0.004	102464	0.5000	0.4976	
1	2.754	2.749	0.005	42663	0.5000	0.5321	
1	2.806	2.802	0.004	23934	0.5000	0.4826	M
		Average of Peak Amounts =				0.4963	
2	2.617	2.616	0.001	22625	0.5000	0.5794	
2	2.939	2.934	0.005	41145	0.5000	0.5135	
2	3.149	3.145	0.004	23933	0.5000	0.4853	
2	3.248	3.243	0.005	77560	0.5000	0.5055	
2	3.366	3.363	0.003	30595	0.5000	0.4804	
		Average of Peak Amounts =				0.5128	
						RPD = 3.27	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.184	4.178	0.006	72108	0.5000	0.6078	M
1	4.401	4.395	0.006	92984	0.5000	0.5777	M
1	4.526	4.520	0.006	48364	0.5000	0.5303	
1	4.709	4.703	0.006	39637	0.5000	0.5232	
1	5.144	5.137	0.007	52985	0.5000	0.5121	
		Average of Peak Amounts =				0.5502	
2	5.128	5.123	0.005	57467	0.5000	0.5768	
2	5.449	5.443	0.006	42720	0.5000	0.5134	
2	5.516	5.510	0.006	31785	0.5000	0.5097	
2	5.583	5.575	0.008	109160	0.5000	0.4942	
2	5.955	5.946	0.009	67056	0.5000	0.4623	
		Average of Peak Amounts =				0.5113	
						RPD = 7.34	
$ 15 DCB Decachlorobiphenyl							
1	6.183	6.174	0.009	30050	0.0200	0.0110	
2	7.243	7.229	0.014	28048	0.0200	0.0109	
						RPD = 0.37	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

COPPER_00070	Amount Added: 1.00	Units: g	Run Reagent
PCB IS 1B2NB_00032	Amount Added: 20.00	Units: uL	Run Reagent

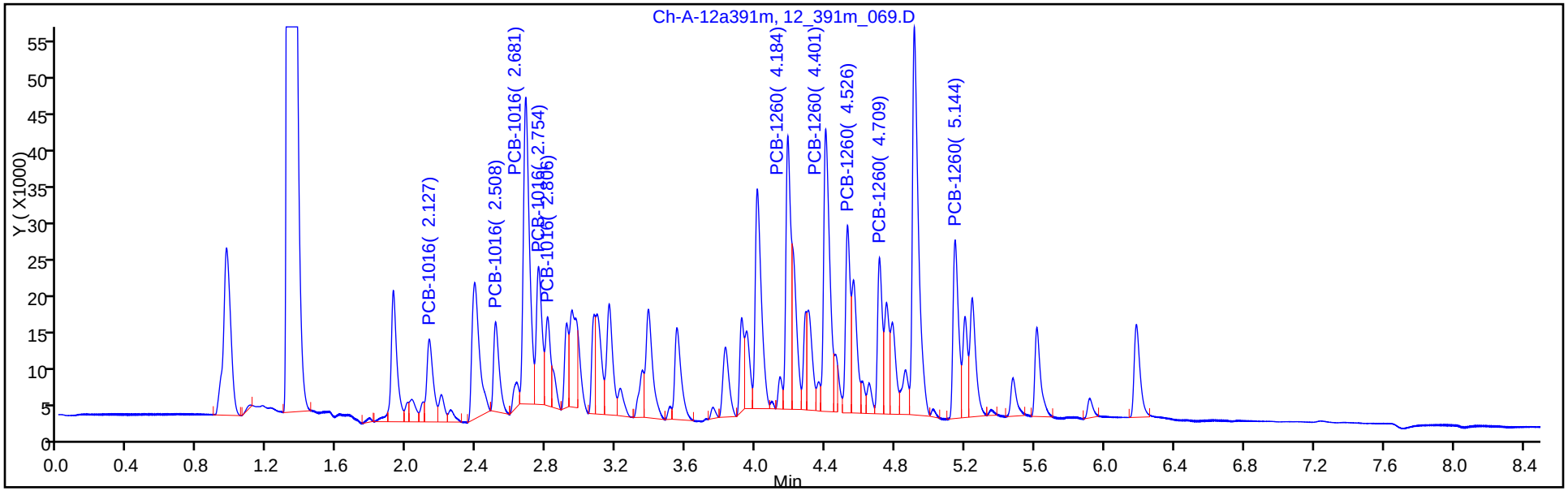
Report Date: 22-May-2017 11:08:41 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

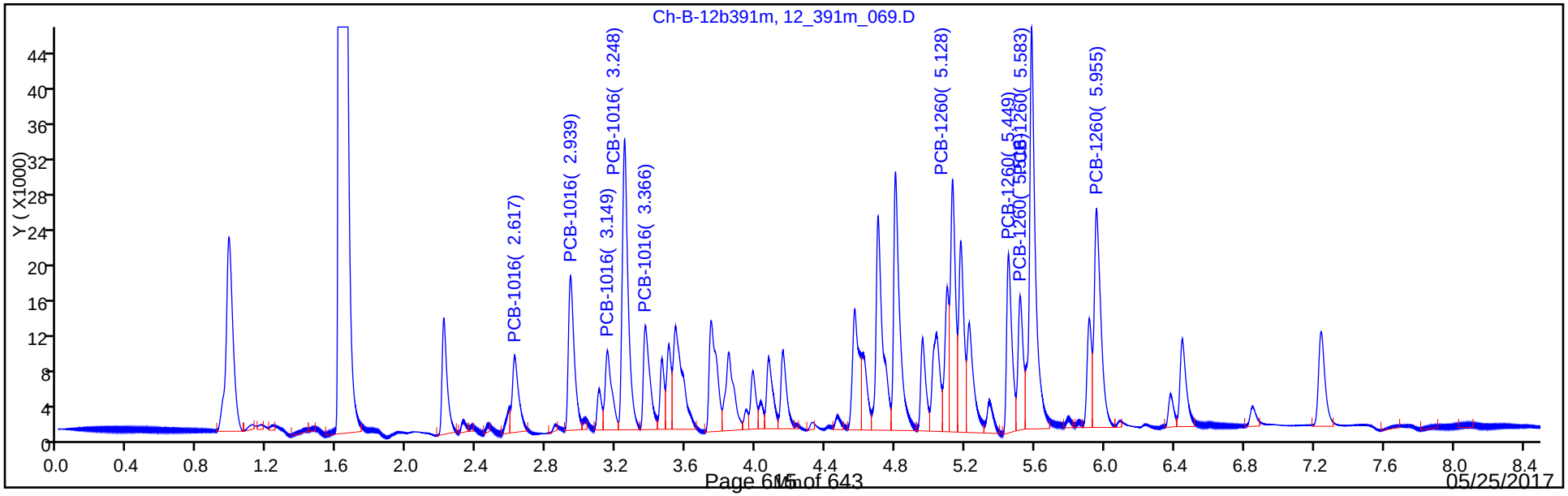
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_069.D

Injection Date:	19-May-2017 18:08:46	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	LCS 480-358167/2-A			Worklist Smp#:	16
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: MW-8 20170516 MS | Lab Sample ID: 480-118149-3 MS

Matrix: Water | Lab File ID: 12_391m_070.D

Analysis Method: 8082A | Date Collected: 05/16/2017 08:45

Extraction Method: 3510C | Date Extracted: 05/19/2017 07:25

Sample wt/vol: 250(mL) | Date Analyzed: 05/19/2017 18:24

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 358279 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	50		19-120
877-09-8	Tetrachloro-m-xylene	92		39-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_070.D
Lims ID: 480-118149-B-3-A MS
Client ID: MW-8 20170516
Sample Type: MS
Inject. Date: 19-May-2017 18:24:06 ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 22-May-2017 11:09:31 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK021

First Level Reviewer: owenj Date: 22-May-2017 11:09:31

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.323	1.322	0.001	1066914	0.5000	0.5000	
2	1.618	1.618	0.000	980661	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.921	1.919	0.002	39415	0.0200	0.0184	
2	2.211	2.207	0.004	25336	0.0200	0.0144	
						RPD = 23.85	
9 PCB-1016							M
1	2.126	2.125	0.001	28712	0.5000	0.4948	
1	2.507	2.503	0.004	32299	0.5000	0.5227	M
1	2.680	2.677	0.003	106701	0.5000	0.5063	M
1	2.753	2.749	0.004	46640	0.5000	0.5693	M
1	2.805	2.802	0.003	29108	0.5000	0.5748	M
		Average of Peak Amounts =				0.5336	
2	2.618	2.616	0.002	20555	0.5000	0.5082	
2	2.937	2.934	0.003	40634	0.5000	0.4912	
2	3.148	3.145	0.003	23782	0.5000	0.4675	
2	3.247	3.243	0.004	75653	0.5000	0.4778	
2	3.366	3.363	0.003	30138	0.5000	0.4588	
		Average of Peak Amounts =				0.4807	
						RPD = 10.43	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.184	4.178	0.006	47441	0.5000	0.3824	M
1	4.400	4.395	0.005	61583	0.5000	0.3705	M
1	4.525	4.520	0.005	27097	0.5000	0.2903	M
1	4.709	4.703	0.006	22819	0.5000	0.2957	M
1	5.142	5.137	0.005	26500	0.5000	0.2455	
		Average of Peak Amounts =				0.3169	
2	5.128	5.123	0.005	34556	0.5000	0.3343	
2	5.449	5.443	0.006	24159	0.5000	0.2773	
2	5.516	5.510	0.006	17255	0.5000	0.2644	
2	5.581	5.575	0.006	58008	0.5000	0.2525	
2	5.953	5.946	0.007	37409	0.5000	0.2496	
		Average of Peak Amounts =				0.2756	
						RPD = 13.93	
4 1260 Res 2							
1	5.199	5.194	0.005	13522		NC	
2	5.516	5.510	0.006	17255		NC	
3 1260 Res 3							
1	5.240	5.235	0.005	20029		NC	
2	5.581	5.575	0.007	58008		NC	
$ 15 DCB Decachlorobiphenyl							
1	6.181	6.174	0.007	27733	0.0200	0.0099	
2	7.240	7.229	0.011	26886	0.0200	0.0102	
						RPD = 2.57	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

COPPER_00070	Amount Added: 1.00	Units: g	Run Reagent
PCB IS 1B2NB_00032	Amount Added: 20.00	Units: uL	Run Reagent

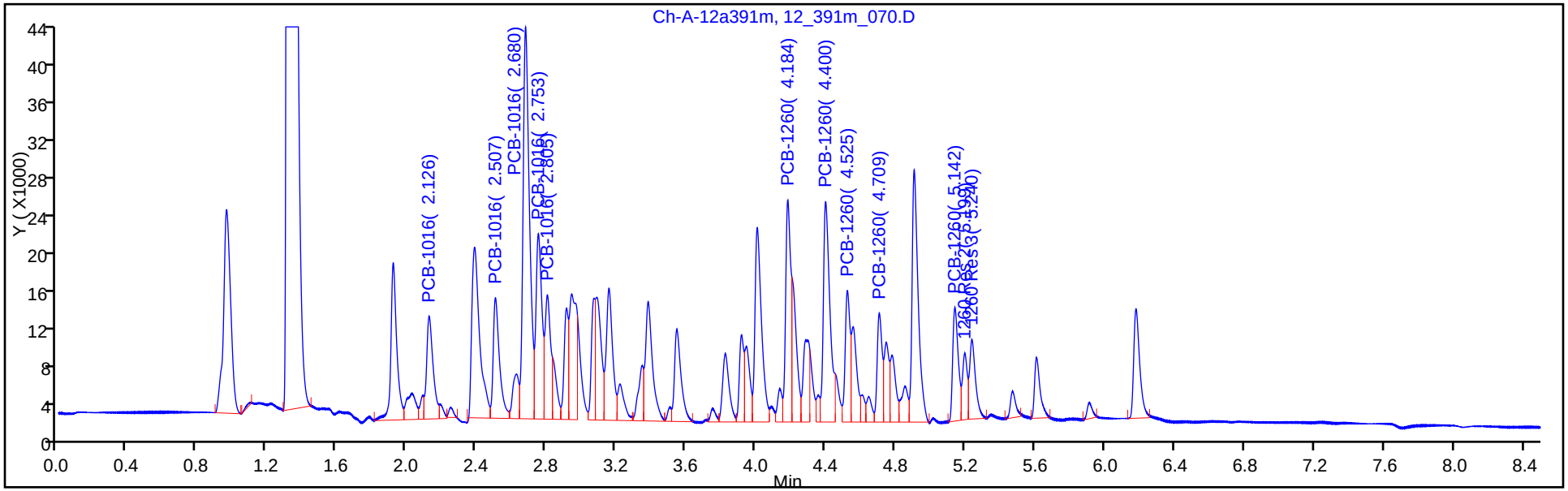
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TestAmerica Buffalo

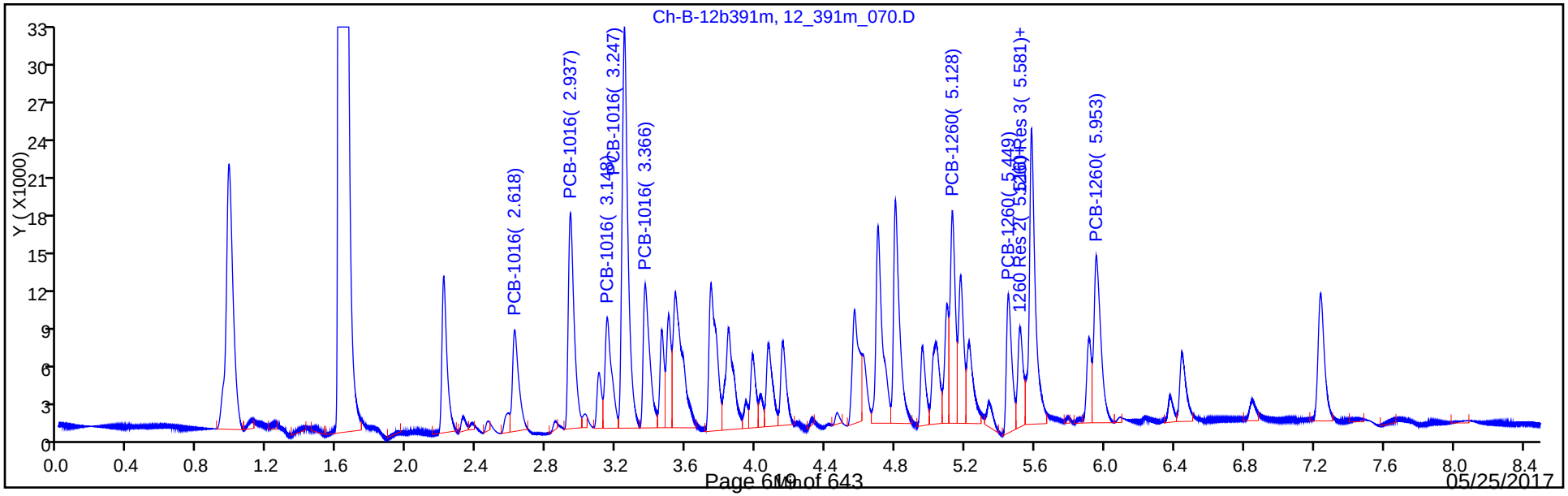
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_070.D

Injection Date:	19-May-2017 18:24:06	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-118149-B-3-A MS			Worklist Smp#:	17
Client ID:	MW-8 20170516				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



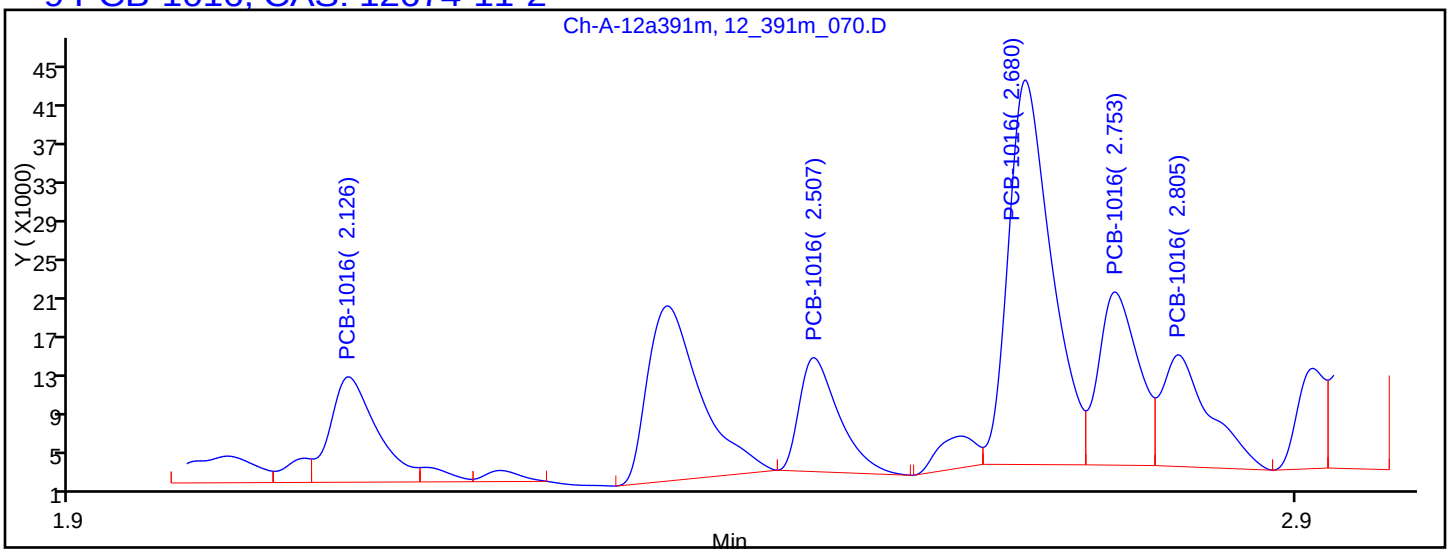
Report Date: 22-May-2017 11:09:32 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_070.D

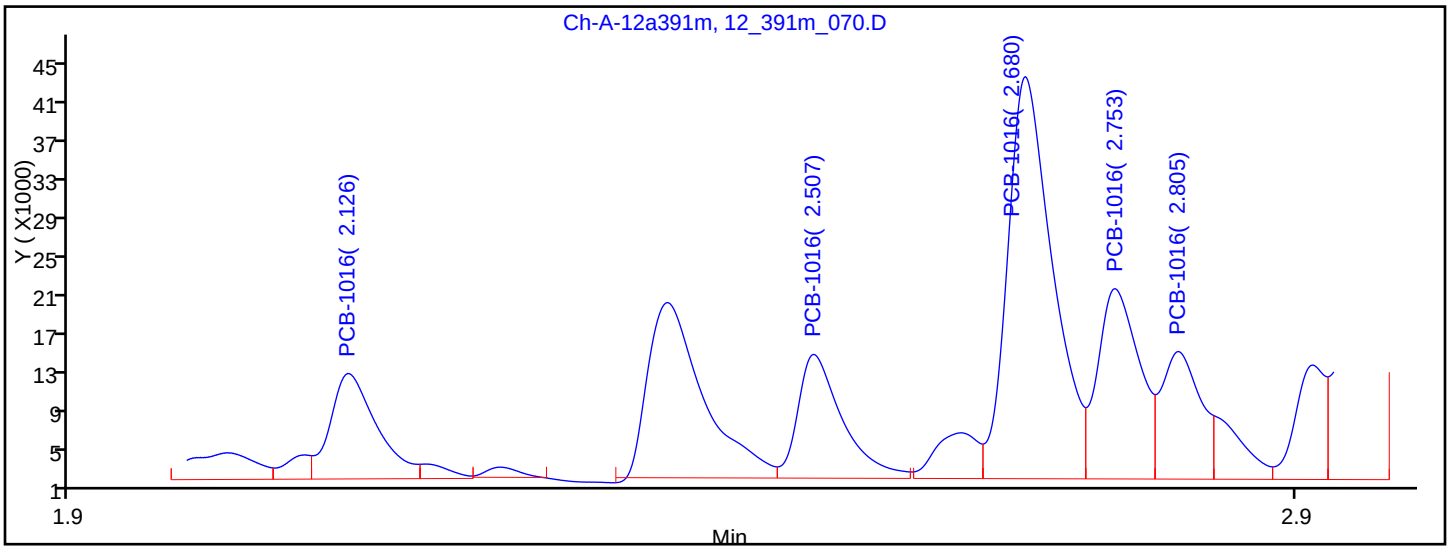
Injection Date:	19-May-2017 18:24:06	Instrument ID:	HP5890-12		
Lims ID:	480-118149-B-3-A MS				
Client ID:	MW-8 20170516				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.126	Response = 28712
2.507	Response = 26422
2.680	Response = 97649
2.753	Response = 40680
2.805	Response = 31299



Manual Integration Results

2.126	Response = 28712	
2.507	Response = 32299	M
2.680	Response = 106701	M
2.753	Response = 46640	M
2.805	Response = 29108	M

Reviewer: owenj, 22-May-2017 11:09:16

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

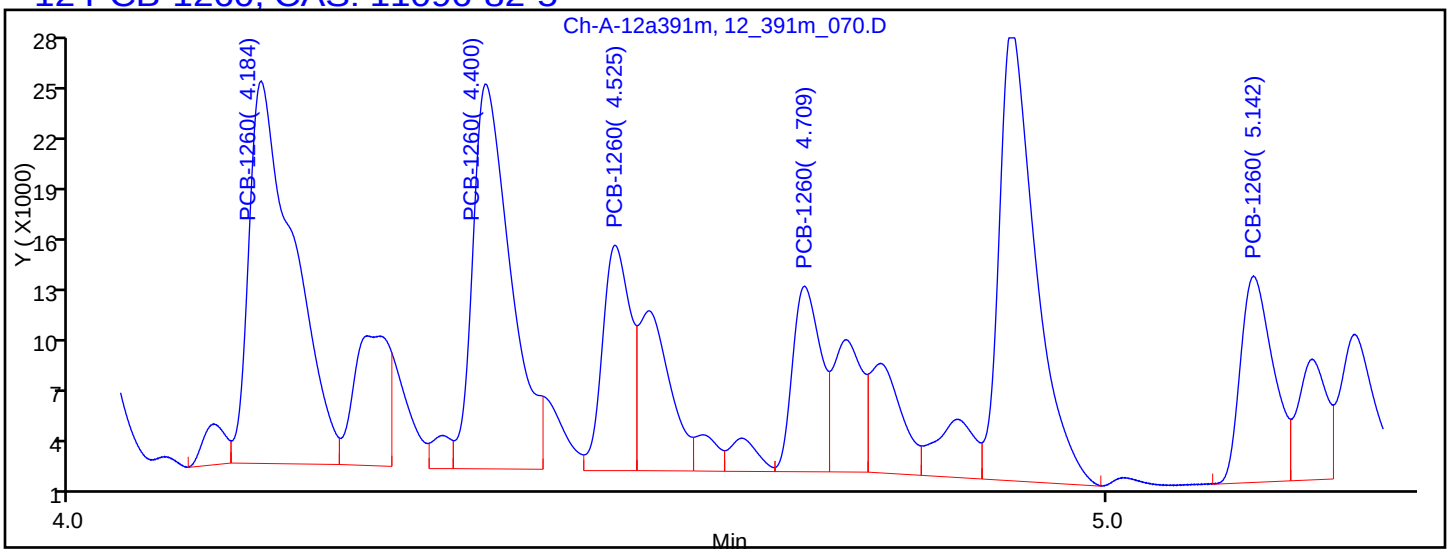
Report Date: 22-May-2017 11:09:32 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_070.D

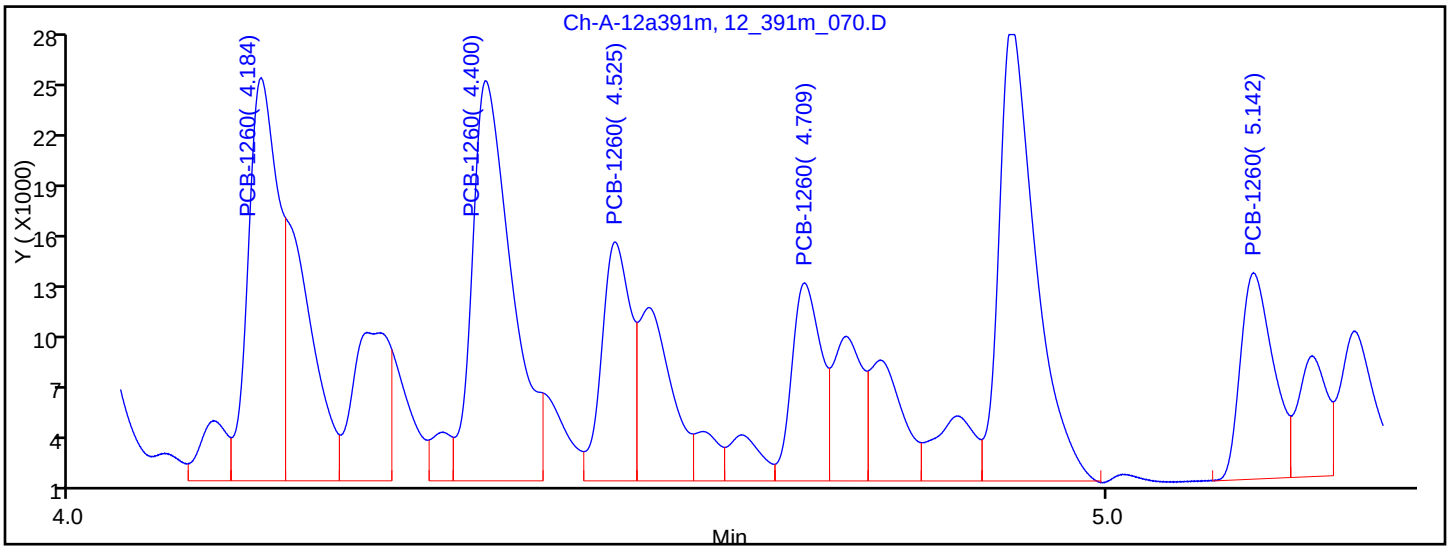
Injection Date:	19-May-2017 18:24:06	Instrument ID:	HP5890-12		
Lims ID:	480-118149-B-3-A MS				
Client ID:	MW-8 20170516				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

4.184	Response = 67409
4.400	Response = 56992
4.525	Response = 24671
4.709	Response = 20525
5.142	Response = 26500



Manual Integration Results

4.184	Response = 47441	M
4.400	Response = 61583	M
4.525	Response = 27097	M
4.709	Response = 22819	M
5.142	Response = 26500	

Reviewer: owenj, 22-May-2017 11:09:14

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: MW-8 20170516 MS | Lab Sample ID: 480-118149-3 MS

Matrix: Water | Lab File ID: 12_391m_070.D

Analysis Method: 8082A | Date Collected: 05/16/2017 08:45

Extraction Method: 3510C | Date Extracted: 05/19/2017 07:25

Sample wt/vol: 250(mL) | Date Analyzed: 05/19/2017 18:24

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 358279 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	3.85		0.50	0.18
11104-28-2	PCB-1221	ND		0.50	0.18
11141-16-5	PCB-1232	ND		0.50	0.18
53469-21-9	PCB-1242	ND		0.50	0.18
12672-29-6	PCB-1248	ND		0.50	0.18
11097-69-1	PCB-1254	ND		0.50	0.25
11096-82-5	PCB-1260	2.20		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	51		19-120
877-09-8	Tetrachloro-m-xylene	72		39-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_070.D
Lims ID: 480-118149-B-3-A MS
Client ID: MW-8 20170516
Sample Type: MS
Inject. Date: 19-May-2017 18:24:06 ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 22-May-2017 11:09:31 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK021

First Level Reviewer: owenj Date: 22-May-2017 11:09:31

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.323	1.322	0.001	1066914	0.5000	0.5000	
2	1.618	1.618	0.000	980661	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.921	1.919	0.002	39415	0.0200	0.0184	
2	2.211	2.207	0.004	25336	0.0200	0.0144	
						RPD = 23.85	
9 PCB-1016							M
1	2.126	2.125	0.001	28712	0.5000	0.4948	
1	2.507	2.503	0.004	32299	0.5000	0.5227	M
1	2.680	2.677	0.003	106701	0.5000	0.5063	M
1	2.753	2.749	0.004	46640	0.5000	0.5693	M
1	2.805	2.802	0.003	29108	0.5000	0.5748	M
		Average of Peak Amounts =				0.5336	
2	2.618	2.616	0.002	20555	0.5000	0.5082	
2	2.937	2.934	0.003	40634	0.5000	0.4912	
2	3.148	3.145	0.003	23782	0.5000	0.4675	
2	3.247	3.243	0.004	75653	0.5000	0.4778	
2	3.366	3.363	0.003	30138	0.5000	0.4588	
		Average of Peak Amounts =				0.4807	
						RPD = 10.43	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.184	4.178	0.006	47441	0.5000	0.3824	M
1	4.400	4.395	0.005	61583	0.5000	0.3705	M
1	4.525	4.520	0.005	27097	0.5000	0.2903	M
1	4.709	4.703	0.006	22819	0.5000	0.2957	M
1	5.142	5.137	0.005	26500	0.5000	0.2455	
		Average of Peak Amounts =				0.3169	
2	5.128	5.123	0.005	34556	0.5000	0.3343	
2	5.449	5.443	0.006	24159	0.5000	0.2773	
2	5.516	5.510	0.006	17255	0.5000	0.2644	
2	5.581	5.575	0.006	58008	0.5000	0.2525	
2	5.953	5.946	0.007	37409	0.5000	0.2496	
		Average of Peak Amounts =				0.2756	
						RPD = 13.93	
4 1260 Res 2							
1	5.199	5.194	0.005	13522		NC	
2	5.516	5.510	0.006	17255		NC	
3 1260 Res 3							
1	5.240	5.235	0.005	20029		NC	
2	5.581	5.575	0.007	58008		NC	
$ 15 DCB Decachlorobiphenyl							
1	6.181	6.174	0.007	27733	0.0200	0.0099	
2	7.240	7.229	0.011	26886	0.0200	0.0102	
						RPD = 2.57	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

COPPER_00070	Amount Added: 1.00	Units: g	Run Reagent
PCB IS 1B2NB_00032	Amount Added: 20.00	Units: uL	Run Reagent

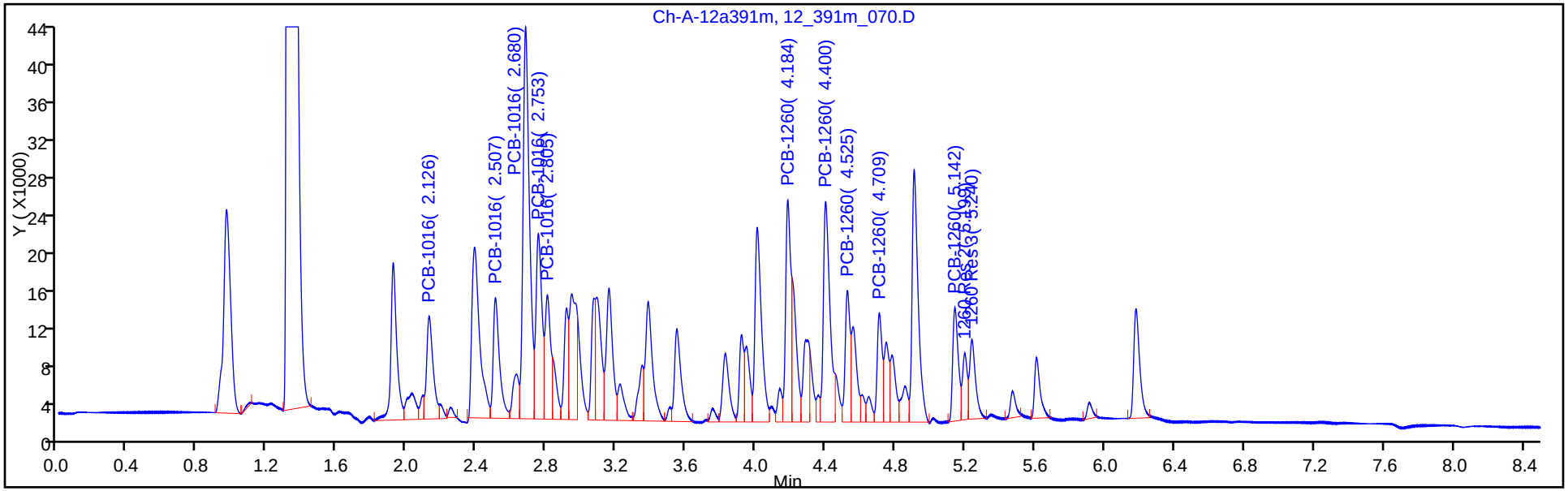
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TestAmerica Buffalo

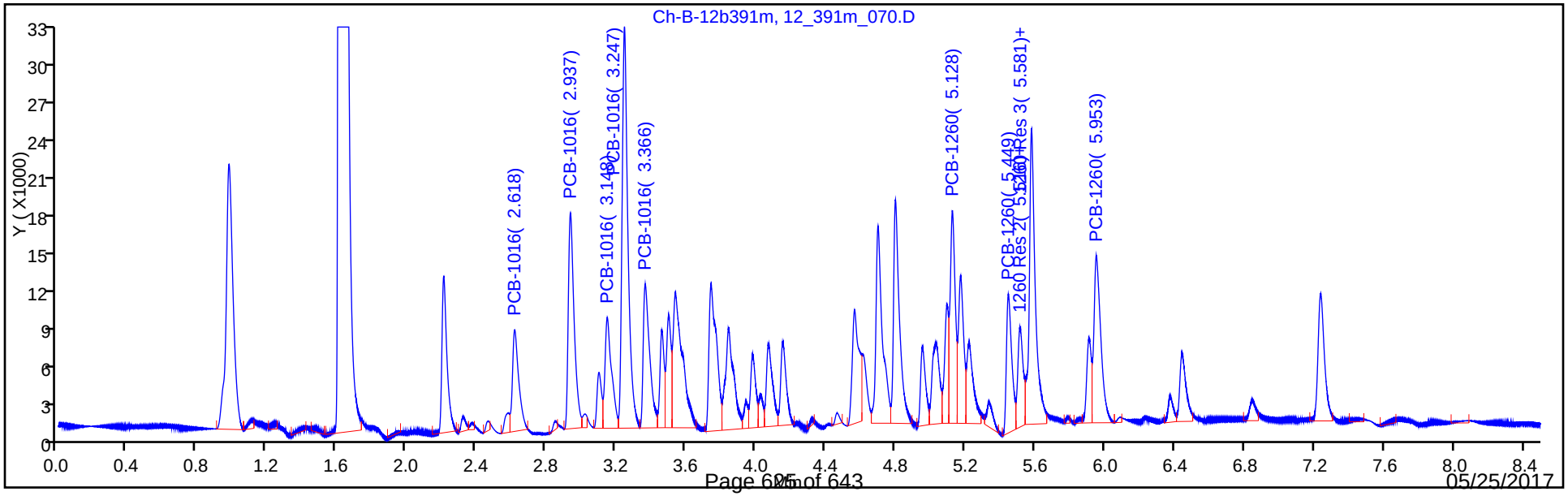
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Injection Date:	19-May-2017 18:24:06	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-118149-B-3-A MS			Worklist Smp#:	17
Client ID:	MW-8 20170516				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: MW-8 20170516 MSD | Lab Sample ID: 480-118149-3 MSD

Matrix: Water | Lab File ID: 12_391m_071.D

Analysis Method: 8082A | Date Collected: 05/16/2017 08:45

Extraction Method: 3510C | Date Extracted: 05/19/2017 07:25

Sample wt/vol: 250(mL) | Date Analyzed: 05/19/2017 18:39

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 358279 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	54		19-120
877-09-8	Tetrachloro-m-xylene	90		39-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_071.D
Lims ID: 480-118149-B-3-B MSD
Client ID: MW-8 20170516
Sample Type: MSD
Inject. Date: 19-May-2017 18:39:25 ALS Bottle#: 0 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 22-May-2017 11:10:11 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK021

First Level Reviewer: owenj Date: 22-May-2017 11:10:11

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.322	1.322	0.000	1115224	0.5000	0.5000	
2	1.617	1.618	-0.001	1026528	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.919	1.919	0.000	40525	0.0200	0.0181	
2	2.209	2.207	0.002	25830	0.0200	0.0141	
						RPD = 24.83	
9 PCB-1016							M
1	2.125	2.125	0.000	28752	0.5000	0.4740	
1	2.505	2.503	0.002	33902	0.5000	0.5249	M
1	2.678	2.677	0.001	109607	0.5000	0.4975	M
1	2.751	2.749	0.002	48187	0.5000	0.5625	M
1	2.803	2.802	0.001	28861	0.5000	0.5448	M
		Average of Peak Amounts =				0.5207	
2	2.616	2.616	0.000	21465	0.5000	0.5069	
2	2.935	2.934	0.001	41239	0.5000	0.4759	
2	3.147	3.145	0.002	24303	0.5000	0.4565	
2	3.245	3.243	0.002	77846	0.5000	0.4696	
2	3.365	3.363	0.002	30939	0.5000	0.4499	
		Average of Peak Amounts =				0.4718	
						RPD = 9.87	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.181	4.178	0.003	57994	0.5000	0.4512	M
1	4.398	4.395	0.003	77419	0.5000	0.4475	M
1	4.523	4.520	0.003	34717	0.5000	0.3558	M
1	4.706	4.703	0.003	28915	0.5000	0.3577	M
1	5.139	5.137	0.002	33560	0.5000	0.2994	
		Average of Peak Amounts =				0.3823	
2	5.125	5.123	0.002	44456	0.5000	0.4119	
2	5.447	5.443	0.004	29859	0.5000	0.3290	
2	5.513	5.510	0.003	22152	0.5000	0.3261	
2	5.579	5.575	0.004	73797	0.5000	0.3078	
2	5.951	5.946	0.005	45474	0.5000	0.2900	
		Average of Peak Amounts =				0.3330	
						RPD = 13.81	
4 1260 Res 2							
1	5.196	5.194	0.002	16095		NC	
2	5.513	5.510	0.003	22152		NC	
3 1260 Res 3							
1	5.237	5.235	0.003	24095		NC	
2	5.579	5.575	0.004	73797		NC	
$ 15 DCB Decachlorobiphenyl							
1	6.177	6.174	0.003	31621	0.0200	0.0108	
2	7.237	7.229	0.008	30174	0.0200	0.0109	
						RPD = 0.91	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

COPPER_00070	Amount Added: 1.00	Units: g	Run Reagent
PCB IS 1B2NB_00032	Amount Added: 20.00	Units: uL	Run Reagent

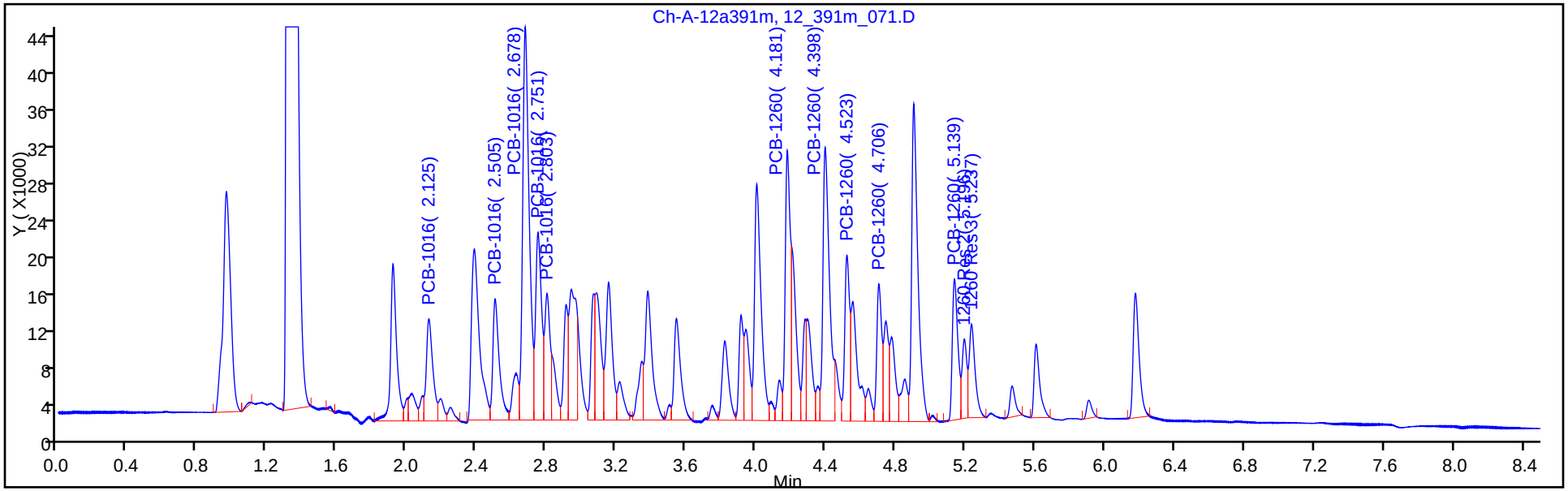
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TestAmerica Buffalo

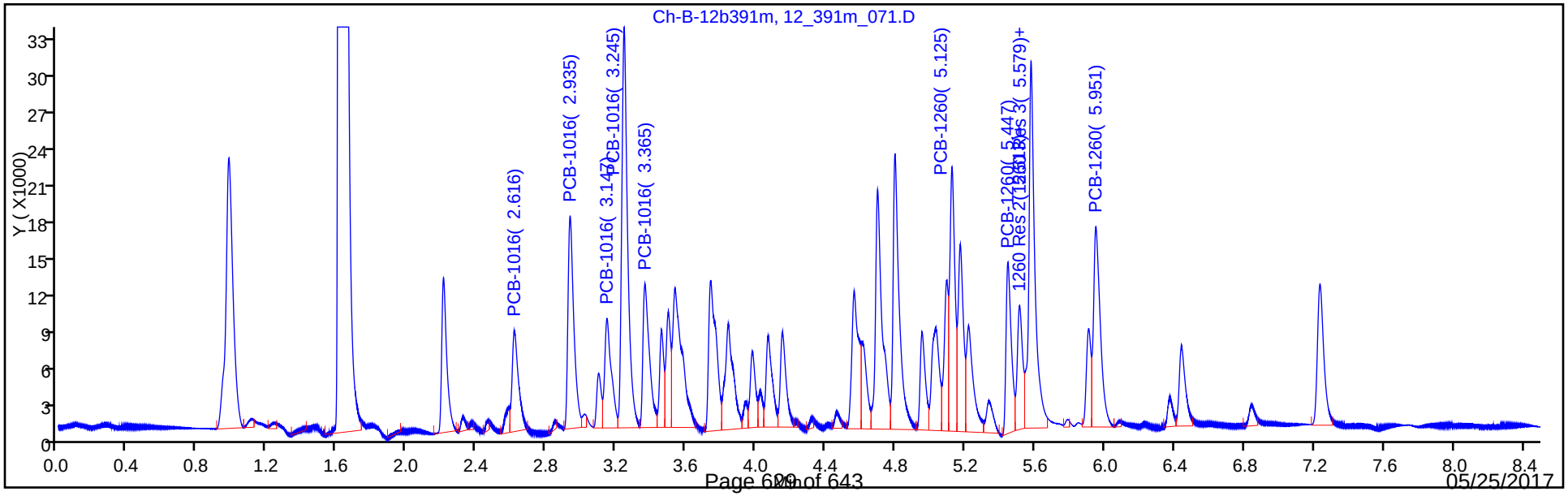
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Injection Date:	19-May-2017 18:39:25	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-118149-B-3-B MSD			Worklist Smp#:	18
Client ID:	MW-8 20170516				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



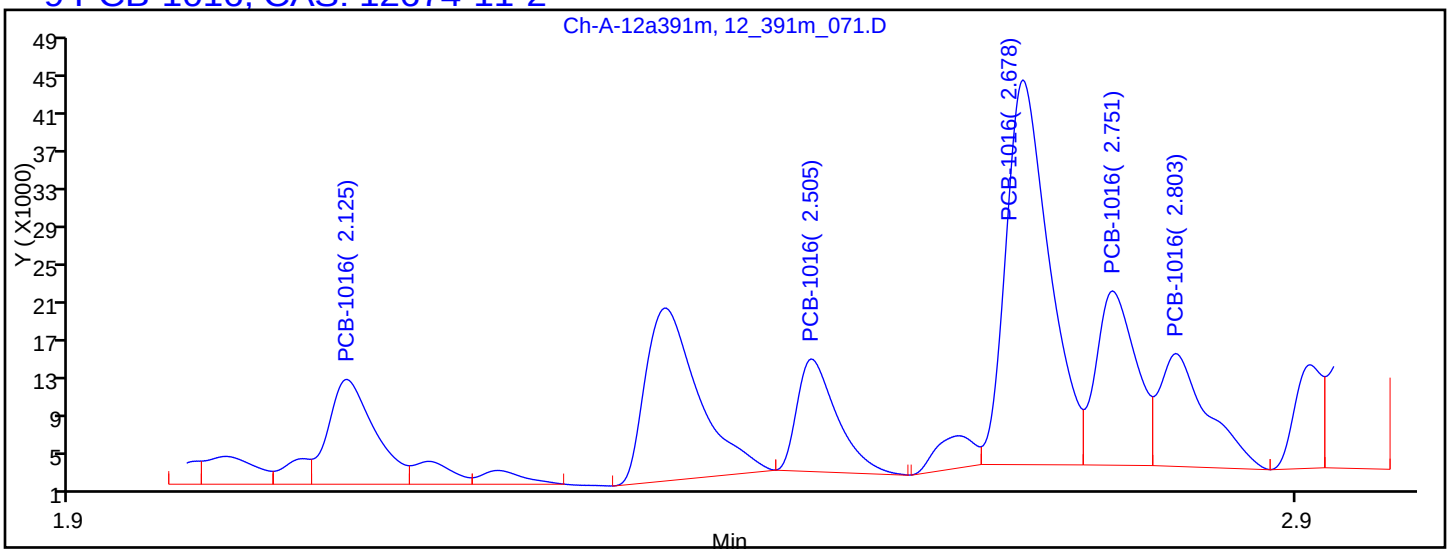
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TestAmerica Buffalo

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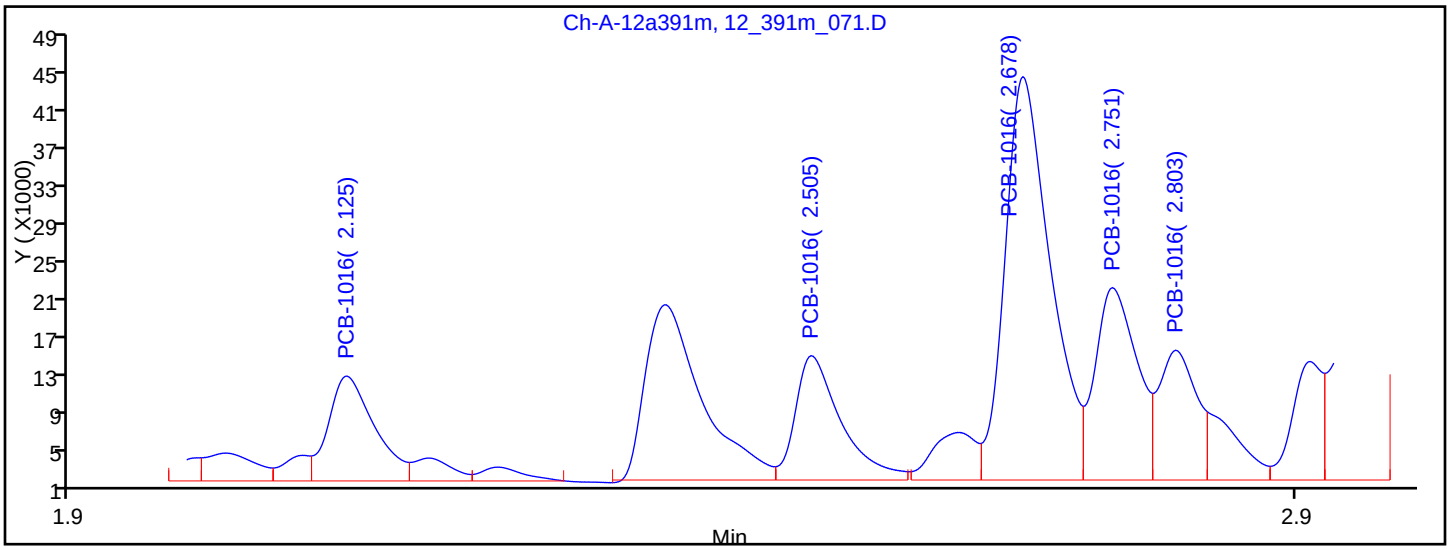
Injection Date:	19-May-2017 18:39:25	Instrument ID:	HP5890-12		
Lims ID:	480-118149-B-3-B MSD				
Client ID:	MW-8 20170516				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.125	Response = 28752
2.505	Response = 26729
2.678	Response = 99867
2.751	Response = 41763
2.803	Response = 32345



Manual Integration Results

2.125	Response = 28752	
2.505	Response = 33902	M
2.678	Response = 109607	M
2.751	Response = 48187	M
2.803	Response = 28861	M

Reviewer: owenj, 22-May-2017 11:09:47

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

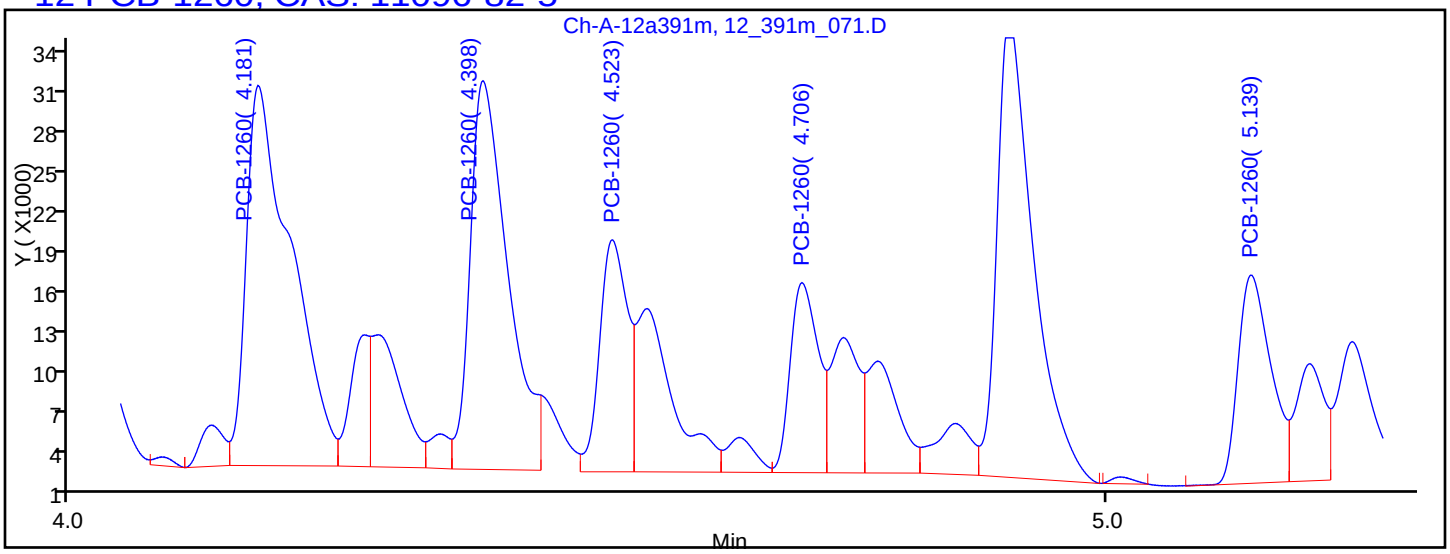
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TestAmerica Buffalo

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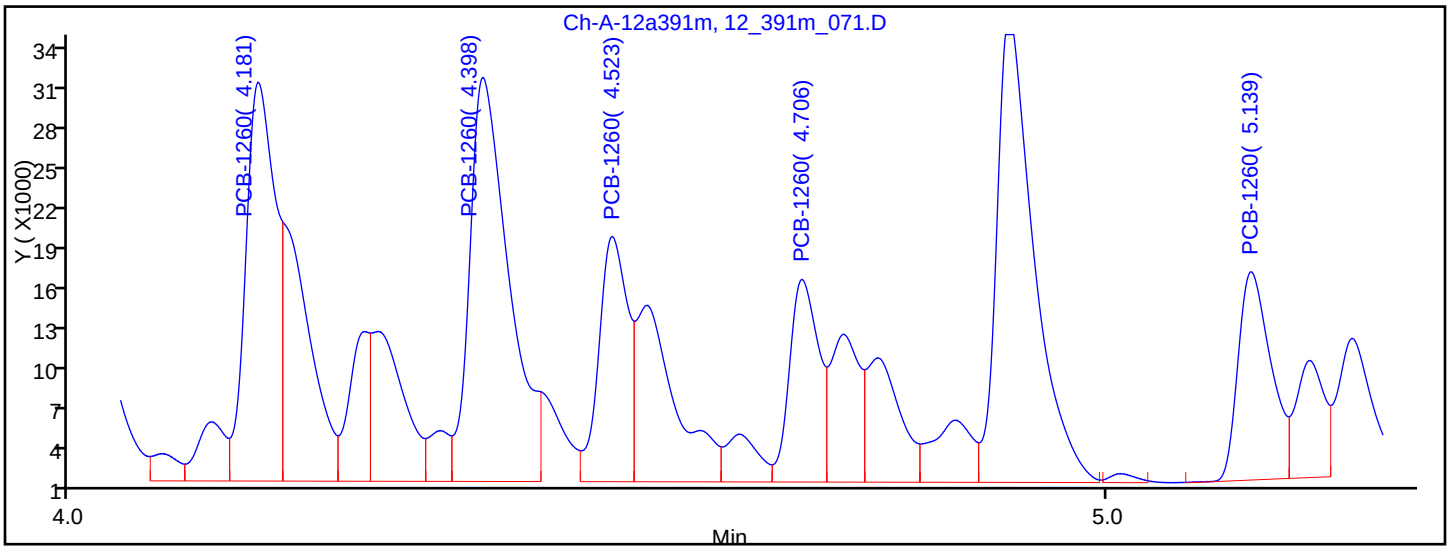
Injection Date:	19-May-2017 18:39:25	Instrument ID:	HP5890-12		
Lims ID:	480-118149-B-3-B MSD				
Client ID:	MW-8 20170516				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

4.181	Response = 83818
4.398	Response = 71733
4.523	Response = 31729
4.706	Response = 26002
5.139	Response = 33560



Manual Integration Results

4.181	Response = 57994	M
4.398	Response = 77419	M
4.523	Response = 34717	M
4.706	Response = 28915	M
5.139	Response = 33560	

Reviewer: owenj, 22-May-2017 11:09:46

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-118149-1

SDG No.:

Client Sample ID: MW-8 20170516 MSD | Lab Sample ID: 480-118149-3 MSD

Matrix: Water | Lab File ID: 12_391m_071.D

Analysis Method: 8082A | Date Collected: 05/16/2017 08:45

Extraction Method: 3510C | Date Extracted: 05/19/2017 07:25

Sample wt/vol: 250(mL) | Date Analyzed: 05/19/2017 18:39

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 358279 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	3.77		0.50	0.18
11104-28-2	PCB-1221	ND		0.50	0.18
11141-16-5	PCB-1232	ND		0.50	0.18
53469-21-9	PCB-1242	ND		0.50	0.18
12672-29-6	PCB-1248	ND		0.50	0.18
11097-69-1	PCB-1254	ND		0.50	0.25
11096-82-5	PCB-1260	2.66		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	54		19-120
877-09-8	Tetrachloro-m-xylene	70		39-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_071.D
Lims ID: 480-118149-B-3-B MSD
Client ID: MW-8 20170516
Sample Type: MSD
Inject. Date: 19-May-2017 18:39:25 ALS Bottle#: 0 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 22-May-2017 11:10:11 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK021

First Level Reviewer: owenj Date: 22-May-2017 11:10:11

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.322	1.322	0.000	1115224	0.5000	0.5000	
2	1.617	1.618	-0.001	1026528	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.919	1.919	0.000	40525	0.0200	0.0181	
2	2.209	2.207	0.002	25830	0.0200	0.0141	
						RPD = 24.83	
9 PCB-1016							M
1	2.125	2.125	0.000	28752	0.5000	0.4740	
1	2.505	2.503	0.002	33902	0.5000	0.5249	M
1	2.678	2.677	0.001	109607	0.5000	0.4975	M
1	2.751	2.749	0.002	48187	0.5000	0.5625	M
1	2.803	2.802	0.001	28861	0.5000	0.5448	M
		Average of Peak Amounts =				0.5207	
2	2.616	2.616	0.000	21465	0.5000	0.5069	
2	2.935	2.934	0.001	41239	0.5000	0.4759	
2	3.147	3.145	0.002	24303	0.5000	0.4565	
2	3.245	3.243	0.002	77846	0.5000	0.4696	
2	3.365	3.363	0.002	30939	0.5000	0.4499	
		Average of Peak Amounts =				0.4718	
						RPD = 9.87	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.181	4.178	0.003	57994	0.5000	0.4512	M
1	4.398	4.395	0.003	77419	0.5000	0.4475	M
1	4.523	4.520	0.003	34717	0.5000	0.3558	M
1	4.706	4.703	0.003	28915	0.5000	0.3577	M
1	5.139	5.137	0.002	33560	0.5000	0.2994	
		Average of Peak Amounts =				0.3823	
2	5.125	5.123	0.002	44456	0.5000	0.4119	
2	5.447	5.443	0.004	29859	0.5000	0.3290	
2	5.513	5.510	0.003	22152	0.5000	0.3261	
2	5.579	5.575	0.004	73797	0.5000	0.3078	
2	5.951	5.946	0.005	45474	0.5000	0.2900	
		Average of Peak Amounts =				0.3330	
						RPD = 13.81	
4 1260 Res 2							
1	5.196	5.194	0.002	16095		NC	
2	5.513	5.510	0.003	22152		NC	
3 1260 Res 3							
1	5.237	5.235	0.003	24095		NC	
2	5.579	5.575	0.004	73797		NC	
$ 15 DCB Decachlorobiphenyl							
1	6.177	6.174	0.003	31621	0.0200	0.0108	
2	7.237	7.229	0.008	30174	0.0200	0.0109	
						RPD = 0.91	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

COPPER_00070	Amount Added: 1.00	Units: g	Run Reagent
PCB IS 1B2NB_00032	Amount Added: 20.00	Units: uL	Run Reagent

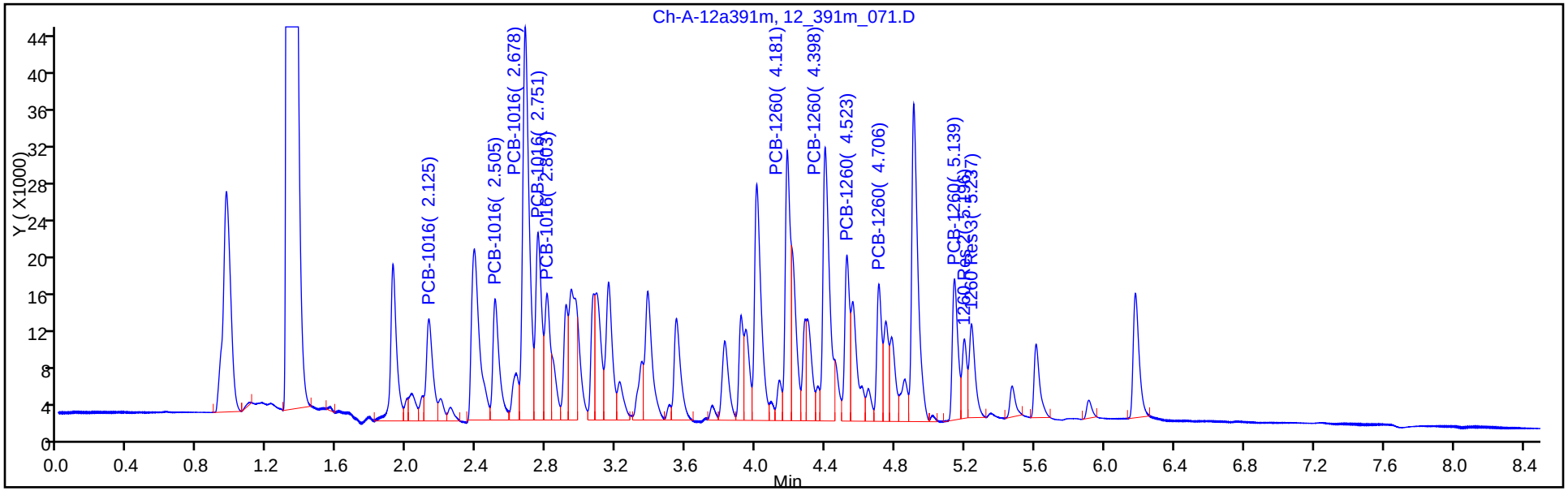
Report Date: 22-May-2017 11:10:13 Chrom Revision: 2.2 25-Apr-2017 13:27:22

TestAmerica Buffalo

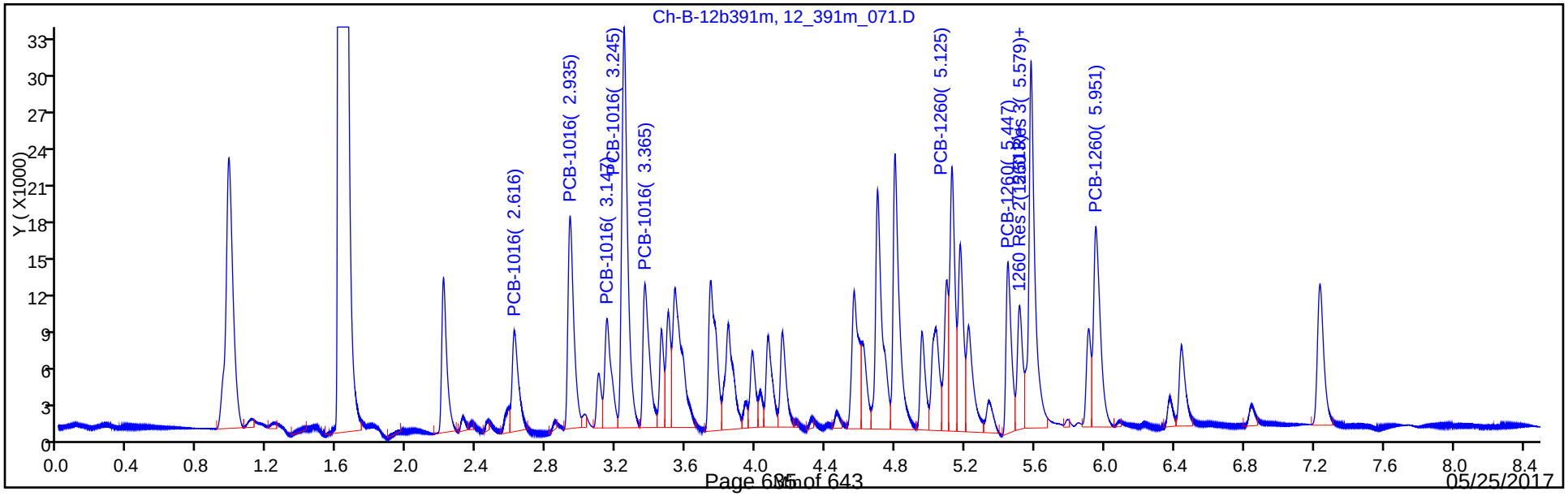
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170519-62654.b\12_391m_071.D

Injection Date:	19-May-2017 18:39:25	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-118149-B-3-B MSD			Worklist Smp#:	18
Client ID:	MW-8 20170516				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Instrument ID: HP5890-12 Start Date: 05/11/2017 15:46

Analysis Batch Number: 356902 End Date: 05/11/2017 21:39

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 480-356902/17		05/11/2017 15:46	1	12_390m_214.D	ZB-5 0.53(mm)
IC 480-356902/17		05/11/2017 15:46	1	12_390m_214.D	ZB-35 0.53(mm)
IC 480-356902/18		05/11/2017 16:01	1	12_390m_215.D	ZB-5 0.53(mm)
IC 480-356902/18		05/11/2017 16:01	1	12_390m_215.D	ZB-35 0.53(mm)
ICIS 480-356902/19		05/11/2017 16:17	1	12_390m_216.D	ZB-5 0.53(mm)
ICIS 480-356902/19		05/11/2017 16:17	1	12_390m_216.D	ZB-35 0.53(mm)
IC 480-356902/20		05/11/2017 16:32	1	12_390m_217.D	ZB-5 0.53(mm)
IC 480-356902/20		05/11/2017 16:32	1	12_390m_217.D	ZB-35 0.53(mm)
IC 480-356902/21		05/11/2017 17:07	1	12_390m_218.D	ZB-5 0.53(mm)
IC 480-356902/21		05/11/2017 17:07	1	12_390m_218.D	ZB-35 0.53(mm)
IC 480-356902/22		05/11/2017 17:22	1	12_390m_219.D	ZB-5 0.53(mm)
IC 480-356902/22		05/11/2017 17:22	1	12_390m_219.D	ZB-35 0.53(mm)
IC 480-356902/23		05/11/2017 18:19	1	12_390m_220.D	ZB-5 0.53(mm)
IC 480-356902/23		05/11/2017 18:19	1	12_390m_220.D	ZB-35 0.53(mm)
ICV 480-356902/24		05/11/2017 18:35	1		ZB-5 0.53(mm)
ICV 480-356902/24		05/11/2017 18:35	1		ZB-35 0.53(mm)
CCV 480-356902/25		05/11/2017 18:50	1		ZB-5 0.53(mm)
CCV 480-356902/25		05/11/2017 18:50	1		ZB-35 0.53(mm)
ZZZZZ		05/11/2017 19:21	1		ZB-5 0.53(mm)
ZZZZZ		05/11/2017 19:21	1		ZB-35 0.53(mm)
CCVL 480-356902/28		05/11/2017 19:36	0.02		ZB-5 0.53(mm)
CCVL 480-356902/28		05/11/2017 19:36	0.02		ZB-35 0.53(mm)
IC 480-356902/29		05/11/2017 19:52	1	12_390m_226.D	ZB-5 0.53(mm)
IC 480-356902/29		05/11/2017 19:52	1	12_390m_226.D	ZB-35 0.53(mm)
IC 480-356902/30		05/11/2017 20:07	1	12_390m_227.D	ZB-5 0.53(mm)
IC 480-356902/30		05/11/2017 20:07	1	12_390m_227.D	ZB-35 0.53(mm)
IC 480-356902/31		05/11/2017 20:22	1	12_390m_228.D	ZB-5 0.53(mm)
IC 480-356902/31		05/11/2017 20:22	1	12_390m_228.D	ZB-35 0.53(mm)
ICV 480-356902/32		05/11/2017 20:38	1		ZB-5 0.53(mm)
ICV 480-356902/32		05/11/2017 20:38	1		ZB-35 0.53(mm)
IC 480-356902/33		05/11/2017 20:53	1	12_390m_230.D	ZB-5 0.53(mm)
IC 480-356902/33		05/11/2017 20:53	1	12_390m_230.D	ZB-35 0.53(mm)
IC 480-356902/34		05/11/2017 21:08	1	12_390m_231.D	ZB-5 0.53(mm)
IC 480-356902/34		05/11/2017 21:08	1	12_390m_231.D	ZB-35 0.53(mm)
IC 480-356902/35		05/11/2017 21:24	1	12_390m_232.D	ZB-5 0.53(mm)
IC 480-356902/35		05/11/2017 21:24	1	12_390m_232.D	ZB-35 0.53(mm)
ICV 480-356902/36		05/11/2017 21:39	1		ZB-5 0.53(mm)
ICV 480-356902/36		05/11/2017 21:39	1		ZB-35 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Instrument ID: HP5890-12 Start Date: 05/13/2017 11:27

Analysis Batch Number: 357246 End Date: 05/13/2017 13:50

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 480-357246/4		05/13/2017 11:27	1	12_390m_251.D	ZB-5 0.53(mm)
IC 480-357246/4		05/13/2017 11:27	1	12_390m_251.D	ZB-35 0.53(mm)
IC 480-357246/5		05/13/2017 11:42	1	12_390m_252.D	ZB-5 0.53(mm)
IC 480-357246/5		05/13/2017 11:42	1	12_390m_252.D	ZB-35 0.53(mm)
IC 480-357246/6		05/13/2017 12:34	1	12_390m_253.D	ZB-5 0.53(mm)
IC 480-357246/6		05/13/2017 12:34	1	12_390m_253.D	ZB-35 0.53(mm)
ICV 480-357246/7		05/13/2017 12:49	1		ZB-5 0.53(mm)
ICV 480-357246/7		05/13/2017 12:49	1		ZB-35 0.53(mm)
IC 480-357246/8		05/13/2017 13:04	1	12_390m_255.D	ZB-5 0.53(mm)
IC 480-357246/8		05/13/2017 13:04	1	12_390m_255.D	ZB-35 0.53(mm)
IC 480-357246/9		05/13/2017 13:20	1	12_390m_256.D	ZB-5 0.53(mm)
IC 480-357246/9		05/13/2017 13:20	1	12_390m_256.D	ZB-35 0.53(mm)
IC 480-357246/10		05/13/2017 13:35	1	12_390m_257.D	ZB-5 0.53(mm)
IC 480-357246/10		05/13/2017 13:35	1	12_390m_257.D	ZB-35 0.53(mm)
ICV 480-357246/11		05/13/2017 13:50	1		ZB-5 0.53(mm)
ICV 480-357246/11		05/13/2017 13:50	1		ZB-35 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Instrument ID: HP5890-12 Start Date: 05/19/2017 14:32

Analysis Batch Number: 358279 End Date: 05/19/2017 22:14

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVIS 480-358279/4		05/19/2017 14:32	1	12_391m_057.D	ZB-5 0.53(mm)
CCVIS 480-358279/4		05/19/2017 14:32	1	12_391m_057.D	ZB-35 0.53(mm)
CCV 480-358279/5		05/19/2017 14:48	1	12_391m_058.D	ZB-5 0.53(mm)
CCV 480-358279/5		05/19/2017 14:48	1	12_391m_058.D	ZB-35 0.53(mm)
CCV 480-358279/6		05/19/2017 15:03	1	12_391m_059.D	ZB-5 0.53(mm)
CCV 480-358279/6		05/19/2017 15:03	1	12_391m_059.D	ZB-35 0.53(mm)
CCV 480-358279/7		05/19/2017 15:19	1	12_391m_060.D	ZB-5 0.53(mm)
CCV 480-358279/7		05/19/2017 15:19	1	12_391m_060.D	ZB-35 0.53(mm)
CCV 480-358279/8		05/19/2017 15:34	1	12_391m_061.D	ZB-5 0.53(mm)
CCV 480-358279/8		05/19/2017 15:34	1	12_391m_061.D	ZB-35 0.53(mm)
ZZZZZ		05/19/2017 16:05	1		ZB-5 0.53(mm)
ZZZZZ		05/19/2017 16:05	1		ZB-35 0.53(mm)
ZZZZZ		05/19/2017 16:20	1		ZB-5 0.53(mm)
ZZZZZ		05/19/2017 16:20	1		ZB-35 0.53(mm)
ZZZZZ		05/19/2017 16:35	5		ZB-5 0.53(mm)
ZZZZZ		05/19/2017 16:35	5		ZB-35 0.53(mm)
ZZZZZ		05/19/2017 16:51	5		ZB-5 0.53(mm)
ZZZZZ		05/19/2017 16:51	5		ZB-35 0.53(mm)
ZZZZZ		05/19/2017 17:06	5		ZB-5 0.53(mm)
ZZZZZ		05/19/2017 17:06	5		ZB-35 0.53(mm)
MB 480-358167/1-A		05/19/2017 17:53	1	12_391m_068.D	ZB-5 0.53(mm)
MB 480-358167/1-A		05/19/2017 17:53	1	12_391m_068.D	ZB-35 0.53(mm)
LCS 480-358167/2-A		05/19/2017 18:08	1	12_391m_069.D	ZB-5 0.53(mm)
LCS 480-358167/2-A		05/19/2017 18:08	1	12_391m_069.D	ZB-35 0.53(mm)
480-118149-3 MS		05/19/2017 18:24	1	12_391m_070.D	ZB-5 0.53(mm)
480-118149-3 MS		05/19/2017 18:24	1	12_391m_070.D	ZB-35 0.53(mm)
480-118149-3 MSD		05/19/2017 18:39	1	12_391m_071.D	ZB-5 0.53(mm)
480-118149-3 MSD		05/19/2017 18:39	1	12_391m_071.D	ZB-35 0.53(mm)
480-118149-1		05/19/2017 18:54	1	12_391m_072.D	ZB-5 0.53(mm)
480-118149-1		05/19/2017 18:54	1	12_391m_072.D	ZB-35 0.53(mm)
480-118149-2		05/19/2017 19:10	1	12_391m_073.D	ZB-5 0.53(mm)
480-118149-2		05/19/2017 19:10	1	12_391m_073.D	ZB-35 0.53(mm)
480-118149-3		05/19/2017 19:25	1	12_391m_074.D	ZB-5 0.53(mm)
480-118149-3		05/19/2017 19:25	1	12_391m_074.D	ZB-35 0.53(mm)
480-118149-4		05/19/2017 19:40	1	12_391m_075.D	ZB-5 0.53(mm)
480-118149-4		05/19/2017 19:40	1	12_391m_075.D	ZB-35 0.53(mm)
480-118149-5		05/19/2017 19:56	1	12_391m_076.D	ZB-5 0.53(mm)
480-118149-5		05/19/2017 19:56	1	12_391m_076.D	ZB-35 0.53(mm)
480-118149-6		05/19/2017 20:11	1	12_391m_077.D	ZB-5 0.53(mm)
480-118149-6		05/19/2017 20:11	1	12_391m_077.D	ZB-35 0.53(mm)
480-118149-7		05/19/2017 20:26	1	12_391m_078.D	ZB-5 0.53(mm)
480-118149-7		05/19/2017 20:26	1	12_391m_078.D	ZB-35 0.53(mm)
480-118149-8		05/19/2017 20:42	1	12_391m_079.D	ZB-5 0.53(mm)
480-118149-8		05/19/2017 20:42	1	12_391m_079.D	ZB-35 0.53(mm)
ZZZZZ		05/19/2017 20:57	1		ZB-5 0.53(mm)

8082A

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Instrument ID: HP5890-12 Start Date: 05/19/2017 14:32

Analysis Batch Number: 358279 End Date: 05/19/2017 22:14

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		05/19/2017 20:57	1		ZB-35 0.53(mm)
ZZZZZ		05/19/2017 21:12	1		ZB-5 0.53(mm)
ZZZZZ		05/19/2017 21:12	1		ZB-35 0.53(mm)
ZZZZZ		05/19/2017 21:28	1		ZB-5 0.53(mm)
ZZZZZ		05/19/2017 21:28	1		ZB-35 0.53(mm)
CCV 480-358279/30		05/19/2017 21:43	1		ZB-5 0.53(mm)
CCV 480-358279/30		05/19/2017 21:43	1		ZB-35 0.53(mm)
ZZZZZ		05/19/2017 22:14	1		ZB-5 0.53(mm)
ZZZZZ		05/19/2017 22:14	1		ZB-35 0.53(mm)

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-118149-1

SDG No.:

Batch Number: 358167 Batch Start Date: 05/19/17 07:25 Batch Analyst: Hartigan, Connor P

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FinalAmount	O_608PCBSpike 00013	O_PCBLLsurr 00042	
MB 480-358167/1		3510C, 8082A		7 SU	250 mL	2 mL		1 mL	
LCS 480-358167/2		3510C, 8082A		7 SU	250 mL	2 mL	1 mL	1 mL	
480-118149-B-3 MS	MW-8 20170516	3510C, 8082A	T	7 SU	250 mL	2 mL	1 mL	1 mL	
480-118149-B-3 MSD	MW-8 20170516	3510C, 8082A	T	7 SU	250 mL	2 mL	1 mL	1 mL	
480-118149-B-1	MW-2R 20170515	3510C, 8082A	T	7 SU	250 mL	2 mL		1 mL	
480-118149-B-2	MW-4 20170515	3510C, 8082A	T	7 SU	250 mL	2 mL		1 mL	
480-118149-B-3	MW-8 20170516	3510C, 8082A	T	7 SU	250 mL	2 mL		1 mL	
480-118149-B-4	MW-7 20170516	3510C, 8082A	T	7 SU	250 mL	2 mL		1 mL	
480-118149-B-5	MW-5R 20170516	3510C, 8082A	T	7 SU	250 mL	2 mL		1 mL	
480-118149-B-6	MW-6 20170517	3510C, 8082A	T	7 SU	250 mL	2 mL		1 mL	
480-118149-B-7	FB-01-20170517	3510C, 8082A	T	7 SU	250 mL	2 mL		1 mL	
480-118149-B-8	FD-01-20170515	3510C, 8082A	T	7 SU	250 mL	2 mL		1 mL	

Batch Notes	
Acid used for Clean Up ID	Sulfuric:3829015
Analyst ID - Concentration	CH, JP, NC
Exchange Solvent ID	4006154
Exchange Solvent Name	Hexane
Na2SO4 ID	3934401
Prep Solvent ID	4029188
Prep Solvent Name	MeCl2
Prep Solvent Volume Used	60 mL
Person's name who did the prep	CH, JP
Analyst ID - Reagent Drop Witness	CH
Sufficient volume for MS/MSD?	Yes

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: J. Brafer	Lab PM: Deyo, Melissa L	Carrier Tracking No(s):	COC No: 480-97448-23205.1
Client Contact: Mr. Daniel Zuck	Phone: 585-730-2666	E-Mail: melissa.deyo@testamericainc.com		Page: Page 1 of 2
Company: ARCADIS U.S. Inc				Job #:
Address: One Lincoln Center 110 West Fayette St, Suite 300	Due Date Requested:			
City: Syracuse	TAT Requested (days):			
State, Zip: NY, 13202				
Phone:	PO #: AP013103.4000			
Email: daniel.zuck@arcadis-us.com	WO #:			
Project Name: GE Tonawanda Groundwater Analysis	Project #: 48015103			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL M - Hexane
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
Z - other (specify)
Other:

480-118149 COC

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)	8082A - PCBs	8260C - TCL VOCs	Temperature	Total Number of containers	Special Instructions/Note:
Preservation Code:						N	A				
MW-2R 20170515	5/15/17	14:30	G	Water	X	N	2	3			
MW-4 20170515	5/15/17	16:00	G	Water	X	N	2	3			
MW-8 20170516	5/16/17	8:45	G	Water	X	X	2	3			MS/MSD
MW-7 20170516	5/16/17	13:45	G	Water	X	N	X	X			
MW-5R 20170516	5/16/17	16:25	G	Water	X	N	2	3			
MW-6 20170517	5/17/17	9:45	G	Water	X	N	2	3			
FB-01-20170517	5/17/17	10:15	G	Water	X	N	2	3			
FD-01-20170515	5/15/17	—	G	Water	X	N	2	3			
Trip Blank	5/5/17	—	—	Water	X	N	2				
Temp Blank	5/17/17	—	—	Water	X	N			3		
MW-8 (MS/MSD)	5/16/17	8:45	G	Water	X	N	4	6	X		

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Jeff Brafer / Jeffrey Bunyan	5/17/17 16:00	ARCADIS		5-17-17 1800	TAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.8 #1 ICE

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05/25/2017

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-118149-1

Login Number: 118149
List Number: 1
Creator: Kolb, Chris M

List Source: 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	ARCADIS
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Fall 2017

ANALYTICAL REPORT

Job Number: 480-127885-1

Job Description: GE Tonawanda GW/IDW

Contract Number: TAAT092507-R010110

For:
ARCADIS U.S. Inc
One Lincoln Center
110 West Fayette St, Suite 300
Syracuse, NY 13202

Attention: Mr. Daniel A. Zuck



Approved for release.
Rebecca M Jones
Project Management Assistant I
11/28/2017 6:44 PM

Designee for
Melissa L Deyo, Project Manager I
10 Hazelwood Drive, Amherst, NY, 14228-2298
(716)504-9874
melissa.deyo@testamericainc.com
11/28/2017

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project Manager who has signed this report.

TestAmerica Buffalo NELAC Certifications: CADPH 01169CA, FLDOH E87672, ILEPA 200003, KSDOH E-10187, LADEQ 30708, MDH 036-999-337, NHELAP 2973, NJDEP NY455, NHDOH 10026, ORELAP NY200003, PADEP 68-00281, TXCEQ T-104704412-10-1

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Job Narrative
480-127885-1

Receipt
The samples were received on 11/21/2017 12:20 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.1º C and 2.4º C.

GC/MS VOA
Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-389077 recovered above the upper control limit for Chloromethane, Trichloroethene and Methylcyclohexane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW-2R (480-127885-1), MW-4 (480-127885-2), MW-5R (480-127885-3), MW-6 (480-127885-4), MW-7 (480-127885-5), MW-8 (480-127885-6), DUP-112017 (480-127885-7), FB-112117 (480-127885-8) and TRIP BLANK (480-127885-9).

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

GC Semi VOA
Method(s) 8082A: All primary data for analytical batch 389001 is reported from the ZB-5 column.

Method(s) 8082A: The percent difference in a multi-component continuing calibration verification is assessed on the basis of the total amount, individual peak calculations are only listed for completeness.

No additional analytical or quality issues were noted, other than those described above or 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: ARCADIS U.S. Inc
Project/Site: GE Tonawanda GW/IDW

TestAmerica Job ID: 480-127885-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-127885-1	MW-2R	Water	11/20/17 10:55	11/21/17 12:20
480-127885-2	MW-4	Water	11/21/17 09:20	11/21/17 12:20
480-127885-3	MW-5R	Water	11/20/17 14:00	11/21/17 12:20
480-127885-4	MW-6	Water	11/21/17 11:05	11/21/17 12:20
480-127885-5	MW-7	Water	11/20/17 11:50	11/21/17 12:20
480-127885-6	MW-8	Water	11/20/17 16:15	11/21/17 12:20
480-127885-7	DUP-112017	Water	11/20/17 00:00	11/21/17 12:20
480-127885-8	FB-112117	Water	11/21/17 11:30	11/21/17 12:20
480-127885-9	TRIP BLANK	Water	11/20/17 00:00	11/21/17 12:20

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GE Tonawanda GW/IDW

TestAmerica Job ID: 480-127885-1

Client Sample ID: MW-2R — Lab Sample ID: 480-127885-1

No Detections.

Client Sample ID: MW-4 — Lab Sample ID: 480-127885-2

No Detections.

Client Sample ID: MW-5R — Lab Sample ID: 480-127885-3

No Detections.

Client Sample ID: MW-6 — Lab Sample ID: 480-127885-4

No Detections.

Client Sample ID: MW-7 — Lab Sample ID: 480-127885-5

No Detections.

Client Sample ID: MW-8 — Lab Sample ID: 480-127885-6

No Detections.

Client Sample ID: DUP-112017 — Lab Sample ID: 480-127885-7

No Detections.

Client Sample ID: FB-112117 — Lab Sample ID: 480-127885-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.0	J	10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-127885-9

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: GE Tonawanda GW/IDW

TestAmerica Job ID: 480-127885-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF

Protocol References:

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

Laboratory References:

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

Client Sample ID: MW-2R

Date Collected: 11/20/17 10:55
Date Received: 11/21/17 12:20

Lab Sample ID: 480-127885-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/24/17 21:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/24/17 21:33	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/24/17 21:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/24/17 21:33	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/24/17 21:33	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/24/17 21:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/24/17 21:33	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/24/17 21:33	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/24/17 21:33	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/24/17 21:33	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/24/17 21:33	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/24/17 21:33	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/24/17 21:33	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/24/17 21:33	1
2-Hexanone	ND		5.0	1.2	ug/L			11/24/17 21:33	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/24/17 21:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/24/17 21:33	1
Acetone	ND		10	3.0	ug/L			11/24/17 21:33	1
Benzene	ND		1.0	0.41	ug/L			11/24/17 21:33	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/24/17 21:33	1
Bromoform	ND		1.0	0.26	ug/L			11/24/17 21:33	1
Bromomethane	ND		1.0	0.69	ug/L			11/24/17 21:33	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/24/17 21:33	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/24/17 21:33	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/24/17 21:33	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/24/17 21:33	1
Chloroethane	ND		1.0	0.32	ug/L			11/24/17 21:33	1
Chloroform	ND		1.0	0.34	ug/L			11/24/17 21:33	1
Chloromethane	ND		1.0	0.35	ug/L			11/24/17 21:33	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/24/17 21:33	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/24/17 21:33	1
Cyclohexane	ND		1.0	0.18	ug/L			11/24/17 21:33	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/24/17 21:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/24/17 21:33	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/24/17 21:33	1
Methyl acetate	ND		2.5	1.3	ug/L			11/24/17 21:33	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/24/17 21:33	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/24/17 21:33	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/24/17 21:33	1
Styrene	ND		1.0	0.73	ug/L			11/24/17 21:33	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/24/17 21:33	1
Toluene	ND		1.0	0.51	ug/L			11/24/17 21:33	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/24/17 21:33	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/24/17 21:33	1
Trichloroethene	ND		1.0	0.46	ug/L			11/24/17 21:33	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/24/17 21:33	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/24/17 21:33	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/24/17 21:33	1

Client Sample ID: MW-2R

Date Collected: 11/20/17 10:55
Date Received: 11/21/17 12:20

Lab Sample ID: 480-127885-1

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*11/24/17 21:33*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*11/24/17 21:33*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*11/24/17 21:33*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*11/24/17 21:33*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 14:38	1
PCB-1221	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 14:38	1
PCB-1232	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 14:38	1
PCB-1242	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 14:38	1
PCB-1248	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 14:38	1
PCB-1254	ND		0.50	0.25	ug/L		11/22/17 07:54	11/24/17 14:38	1
PCB-1260	ND		0.50	0.25	ug/L		11/22/17 07:54	11/24/17 14:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*57*		*19 - 120*	*11/22/17 07:54*	*11/24/17 14:38*	*1*
DCB Decachlorobiphenyl	*50*		*19 - 120*	*11/22/17 07:54*	*11/24/17 14:38*	*1*
Tetrachloro-m-xylene	*81*		*39 - 121*	*11/22/17 07:54*	*11/24/17 14:38*	*1*
Tetrachloro-m-xylene	*94*		*39 - 121*	*11/22/17 07:54*	*11/24/17 14:38*	*1*

Client Sample ID: MW-4

Date Collected: 11/21/17 09:20
Date Received: 11/21/17 12:20

Lab Sample ID: 480-127885-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/24/17 21:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/24/17 21:57	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/24/17 21:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/24/17 21:57	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/24/17 21:57	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/24/17 21:57	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/24/17 21:57	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/24/17 21:57	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/24/17 21:57	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/24/17 21:57	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/24/17 21:57	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/24/17 21:57	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/24/17 21:57	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/24/17 21:57	1
2-Hexanone	ND		5.0	1.2	ug/L			11/24/17 21:57	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/24/17 21:57	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/24/17 21:57	1
Acetone	ND		10	3.0	ug/L			11/24/17 21:57	1
Benzene	ND		1.0	0.41	ug/L			11/24/17 21:57	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/24/17 21:57	1
Bromoform	ND		1.0	0.26	ug/L			11/24/17 21:57	1
Bromomethane	ND		1.0	0.69	ug/L			11/24/17 21:57	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/24/17 21:57	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/24/17 21:57	1

Client Sample ID: MW-4

Date Collected: 11/21/17 09:20
Date Received: 11/21/17 12:20

Lab Sample ID: 480-127885-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		1.0	0.75	ug/L			11/24/17 21:57	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/24/17 21:57	1
Chloroethane	ND		1.0	0.32	ug/L			11/24/17 21:57	1
Chloroform	ND		1.0	0.34	ug/L			11/24/17 21:57	1
Chloromethane	ND		1.0	0.35	ug/L			11/24/17 21:57	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/24/17 21:57	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/24/17 21:57	1
Cyclohexane	ND		1.0	0.18	ug/L			11/24/17 21:57	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/24/17 21:57	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/24/17 21:57	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/24/17 21:57	1
Methyl acetate	ND		2.5	1.3	ug/L			11/24/17 21:57	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/24/17 21:57	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/24/17 21:57	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/24/17 21:57	1
Styrene	ND		1.0	0.73	ug/L			11/24/17 21:57	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/24/17 21:57	1
Toluene	ND		1.0	0.51	ug/L			11/24/17 21:57	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/24/17 21:57	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/24/17 21:57	1
Trichloroethene	ND		1.0	0.46	ug/L			11/24/17 21:57	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/24/17 21:57	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/24/17 21:57	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/24/17 21:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*11/24/17 21:57*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*11/24/17 21:57*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*11/24/17 21:57*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*11/24/17 21:57*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 15:10	1
PCB-1221	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 15:10	1
PCB-1232	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 15:10	1
PCB-1242	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 15:10	1
PCB-1248	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 15:10	1
PCB-1254	ND		0.50	0.25	ug/L		11/22/17 07:54	11/24/17 15:10	1
PCB-1260	ND		0.50	0.25	ug/L		11/22/17 07:54	11/24/17 15:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*58*		*19 - 120*	*11/22/17 07:54*	*11/24/17 15:10*	*1*
DCB Decachlorobiphenyl	*54*		*19 - 120*	*11/22/17 07:54*	*11/24/17 15:10*	*1*
Tetrachloro-m-xylene	*83*		*39 - 121*	*11/22/17 07:54*	*11/24/17 15:10*	*1*
Tetrachloro-m-xylene	*95*		*39 - 121*	*11/22/17 07:54*	*11/24/17 15:10*	*1*

Client Sample ID: MW-5R

Date Collected: 11/20/17 14:00
Date Received: 11/21/17 12:20

Lab Sample ID: 480-127885-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/24/17 22:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/24/17 22:20	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/24/17 22:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/24/17 22:20	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/24/17 22:20	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/24/17 22:20	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/24/17 22:20	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/24/17 22:20	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/24/17 22:20	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/24/17 22:20	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/24/17 22:20	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/24/17 22:20	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/24/17 22:20	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/24/17 22:20	1
2-Hexanone	ND		5.0	1.2	ug/L			11/24/17 22:20	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/24/17 22:20	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/24/17 22:20	1
Acetone	ND		10	3.0	ug/L			11/24/17 22:20	1
Benzene	ND		1.0	0.41	ug/L			11/24/17 22:20	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/24/17 22:20	1
Bromoform	ND		1.0	0.26	ug/L			11/24/17 22:20	1
Bromomethane	ND		1.0	0.69	ug/L			11/24/17 22:20	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/24/17 22:20	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/24/17 22:20	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/24/17 22:20	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/24/17 22:20	1
Chloroethane	ND		1.0	0.32	ug/L			11/24/17 22:20	1
Chloroform	ND		1.0	0.34	ug/L			11/24/17 22:20	1
Chloromethane	ND	F1	1.0	0.35	ug/L			11/24/17 22:20	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/24/17 22:20	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/24/17 22:20	1
Cyclohexane	ND		1.0	0.18	ug/L			11/24/17 22:20	1
Dichlorodifluoromethane	ND	F1	1.0	0.68	ug/L			11/24/17 22:20	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/24/17 22:20	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/24/17 22:20	1
Methyl acetate	ND		2.5	1.3	ug/L			11/24/17 22:20	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/24/17 22:20	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/24/17 22:20	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/24/17 22:20	1
Styrene	ND		1.0	0.73	ug/L			11/24/17 22:20	1
Tetrachloroethene	ND	F1	1.0	0.36	ug/L			11/24/17 22:20	1
Toluene	ND		1.0	0.51	ug/L			11/24/17 22:20	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/24/17 22:20	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/24/17 22:20	1
Trichloroethene	ND	F1	1.0	0.46	ug/L			11/24/17 22:20	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/24/17 22:20	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/24/17 22:20	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/24/17 22:20	1

Client Sample ID: MW-5R

Date Collected: 11/20/17 14:00
Date Received: 11/21/17 12:20

Lab Sample ID: 480-127885-3

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*11/24/17 22:20*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*11/24/17 22:20*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*11/24/17 22:20*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*11/24/17 22:20*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 13:36	1
PCB-1221	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 13:36	1
PCB-1232	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 13:36	1
PCB-1242	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 13:36	1
PCB-1248	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 13:36	1
PCB-1254	ND		0.50	0.25	ug/L		11/22/17 07:54	11/24/17 13:36	1
PCB-1260	ND		0.50	0.25	ug/L		11/22/17 07:54	11/24/17 13:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*65*		*19 - 120*	*11/22/17 07:54*	*11/24/17 13:36*	*1*
DCB Decachlorobiphenyl	*56*		*19 - 120*	*11/22/17 07:54*	*11/24/17 13:36*	*1*
Tetrachloro-m-xylene	*79*		*39 - 121*	*11/22/17 07:54*	*11/24/17 13:36*	*1*
Tetrachloro-m-xylene	*87*		*39 - 121*	*11/22/17 07:54*	*11/24/17 13:36*	*1*

Client Sample ID: MW-6

Date Collected: 11/21/17 11:05
Date Received: 11/21/17 12:20

Lab Sample ID: 480-127885-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/24/17 22:43	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/24/17 22:43	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/24/17 22:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/24/17 22:43	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/24/17 22:43	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/24/17 22:43	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/24/17 22:43	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/24/17 22:43	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/24/17 22:43	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/24/17 22:43	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/24/17 22:43	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/24/17 22:43	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/24/17 22:43	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/24/17 22:43	1
2-Hexanone	ND		5.0	1.2	ug/L			11/24/17 22:43	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/24/17 22:43	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/24/17 22:43	1
Acetone	ND		10	3.0	ug/L			11/24/17 22:43	1
Benzene	ND		1.0	0.41	ug/L			11/24/17 22:43	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/24/17 22:43	1
Bromoform	ND		1.0	0.26	ug/L			11/24/17 22:43	1
Bromomethane	ND		1.0	0.69	ug/L			11/24/17 22:43	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/24/17 22:43	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/24/17 22:43	1

Client Sample ID: MW-6

Date Collected: 11/21/17 11:05
Date Received: 11/21/17 12:20

Lab Sample ID: 480-127885-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		1.0	0.75	ug/L			11/24/17 22:43	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/24/17 22:43	1
Chloroethane	ND		1.0	0.32	ug/L			11/24/17 22:43	1
Chloroform	ND		1.0	0.34	ug/L			11/24/17 22:43	1
Chloromethane	ND		1.0	0.35	ug/L			11/24/17 22:43	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/24/17 22:43	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/24/17 22:43	1
Cyclohexane	ND		1.0	0.18	ug/L			11/24/17 22:43	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/24/17 22:43	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/24/17 22:43	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/24/17 22:43	1
Methyl acetate	ND		2.5	1.3	ug/L			11/24/17 22:43	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/24/17 22:43	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/24/17 22:43	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/24/17 22:43	1
Styrene	ND		1.0	0.73	ug/L			11/24/17 22:43	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/24/17 22:43	1
Toluene	ND		1.0	0.51	ug/L			11/24/17 22:43	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/24/17 22:43	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/24/17 22:43	1
Trichloroethene	ND		1.0	0.46	ug/L			11/24/17 22:43	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/24/17 22:43	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/24/17 22:43	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/24/17 22:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*11/24/17 22:43*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*11/24/17 22:43*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*11/24/17 22:43*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*11/24/17 22:43*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 15:26	1
PCB-1221	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 15:26	1
PCB-1232	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 15:26	1
PCB-1242	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 15:26	1
PCB-1248	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 15:26	1
PCB-1254	ND		0.50	0.25	ug/L		11/22/17 07:54	11/24/17 15:26	1
PCB-1260	ND		0.50	0.25	ug/L		11/22/17 07:54	11/24/17 15:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*62*		*19 - 120*	*11/22/17 07:54*	*11/24/17 15:26*	*1*
DCB Decachlorobiphenyl	*58*		*19 - 120*	*11/22/17 07:54*	*11/24/17 15:26*	*1*
Tetrachloro-m-xylene	*82*		*39 - 121*	*11/22/17 07:54*	*11/24/17 15:26*	*1*
Tetrachloro-m-xylene	*95*		*39 - 121*	*11/22/17 07:54*	*11/24/17 15:26*	*1*

Client Sample ID: MW-7

Date Collected: 11/20/17 11:50
Date Received: 11/21/17 12:20

Lab Sample ID: 480-127885-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/24/17 23:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/24/17 23:06	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/24/17 23:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/24/17 23:06	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/24/17 23:06	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/24/17 23:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/24/17 23:06	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/24/17 23:06	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/24/17 23:06	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/24/17 23:06	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/24/17 23:06	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/24/17 23:06	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/24/17 23:06	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/24/17 23:06	1
2-Hexanone	ND		5.0	1.2	ug/L			11/24/17 23:06	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/24/17 23:06	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/24/17 23:06	1
Acetone	ND		10	3.0	ug/L			11/24/17 23:06	1
Benzene	ND		1.0	0.41	ug/L			11/24/17 23:06	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/24/17 23:06	1
Bromoform	ND		1.0	0.26	ug/L			11/24/17 23:06	1
Bromomethane	ND		1.0	0.69	ug/L			11/24/17 23:06	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/24/17 23:06	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/24/17 23:06	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/24/17 23:06	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/24/17 23:06	1
Chloroethane	ND		1.0	0.32	ug/L			11/24/17 23:06	1
Chloroform	ND		1.0	0.34	ug/L			11/24/17 23:06	1
Chloromethane	ND		1.0	0.35	ug/L			11/24/17 23:06	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/24/17 23:06	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/24/17 23:06	1
Cyclohexane	ND		1.0	0.18	ug/L			11/24/17 23:06	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/24/17 23:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/24/17 23:06	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/24/17 23:06	1
Methyl acetate	ND		2.5	1.3	ug/L			11/24/17 23:06	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/24/17 23:06	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/24/17 23:06	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/24/17 23:06	1
Styrene	ND		1.0	0.73	ug/L			11/24/17 23:06	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/24/17 23:06	1
Toluene	ND		1.0	0.51	ug/L			11/24/17 23:06	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/24/17 23:06	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/24/17 23:06	1
Trichloroethene	ND		1.0	0.46	ug/L			11/24/17 23:06	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/24/17 23:06	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/24/17 23:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/24/17 23:06	1

Client Sample ID: MW-7

Date Collected: 11/20/17 11:50
Date Received: 11/21/17 12:20

Lab Sample ID: 480-127885-5

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*11/24/17 23:06*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*11/24/17 23:06*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*11/24/17 23:06*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*11/24/17 23:06*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 15:41	1
PCB-1221	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 15:41	1
PCB-1232	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 15:41	1
PCB-1242	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 15:41	1
PCB-1248	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 15:41	1
PCB-1254	ND		0.50	0.25	ug/L		11/22/17 07:54	11/24/17 15:41	1
PCB-1260	ND		0.50	0.25	ug/L		11/22/17 07:54	11/24/17 15:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*57*		*19 - 120*	*11/22/17 07:54*	*11/24/17 15:41*	*1*
DCB Decachlorobiphenyl	*53*		*19 - 120*	*11/22/17 07:54*	*11/24/17 15:41*	*1*
Tetrachloro-m-xylene	*76*		*39 - 121*	*11/22/17 07:54*	*11/24/17 15:41*	*1*
Tetrachloro-m-xylene	*83*		*39 - 121*	*11/22/17 07:54*	*11/24/17 15:41*	*1*

Client Sample ID: MW-8

Date Collected: 11/20/17 16:15
Date Received: 11/21/17 12:20

Lab Sample ID: 480-127885-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/24/17 23:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/24/17 23:30	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/24/17 23:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/24/17 23:30	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/24/17 23:30	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/24/17 23:30	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/24/17 23:30	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/24/17 23:30	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/24/17 23:30	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/24/17 23:30	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/24/17 23:30	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/24/17 23:30	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/24/17 23:30	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/24/17 23:30	1
2-Hexanone	ND		5.0	1.2	ug/L			11/24/17 23:30	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/24/17 23:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/24/17 23:30	1
Acetone	ND		10	3.0	ug/L			11/24/17 23:30	1
Benzene	ND		1.0	0.41	ug/L			11/24/17 23:30	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/24/17 23:30	1
Bromoform	ND		1.0	0.26	ug/L			11/24/17 23:30	1
Bromomethane	ND		1.0	0.69	ug/L			11/24/17 23:30	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/24/17 23:30	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/24/17 23:30	1

Client Sample ID: MW-8

Date Collected: 11/20/17 16:15
Date Received: 11/21/17 12:20

Lab Sample ID: 480-127885-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		1.0	0.75	ug/L			11/24/17 23:30	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/24/17 23:30	1
Chloroethane	ND		1.0	0.32	ug/L			11/24/17 23:30	1
Chloroform	ND		1.0	0.34	ug/L			11/24/17 23:30	1
Chloromethane	ND		1.0	0.35	ug/L			11/24/17 23:30	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/24/17 23:30	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/24/17 23:30	1
Cyclohexane	ND		1.0	0.18	ug/L			11/24/17 23:30	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/24/17 23:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/24/17 23:30	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/24/17 23:30	1
Methyl acetate	ND		2.5	1.3	ug/L			11/24/17 23:30	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/24/17 23:30	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/24/17 23:30	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/24/17 23:30	1
Styrene	ND		1.0	0.73	ug/L			11/24/17 23:30	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/24/17 23:30	1
Toluene	ND		1.0	0.51	ug/L			11/24/17 23:30	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/24/17 23:30	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/24/17 23:30	1
Trichloroethene	ND		1.0	0.46	ug/L			11/24/17 23:30	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/24/17 23:30	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/24/17 23:30	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/24/17 23:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*11/24/17 23:30*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*11/24/17 23:30*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*11/24/17 23:30*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*11/24/17 23:30*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 15:56	1
PCB-1221	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 15:56	1
PCB-1232	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 15:56	1
PCB-1242	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 15:56	1
PCB-1248	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 15:56	1
PCB-1254	ND		0.50	0.25	ug/L		11/22/17 07:54	11/24/17 15:56	1
PCB-1260	ND		0.50	0.25	ug/L		11/22/17 07:54	11/24/17 15:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*64*		*19 - 120*	*11/22/17 07:54*	*11/24/17 15:56*	*1*
DCB Decachlorobiphenyl	*59*		*19 - 120*	*11/22/17 07:54*	*11/24/17 15:56*	*1*
Tetrachloro-m-xylene	*83*		*39 - 121*	*11/22/17 07:54*	*11/24/17 15:56*	*1*
Tetrachloro-m-xylene	*91*		*39 - 121*	*11/22/17 07:54*	*11/24/17 15:56*	*1*

Client Sample ID: DUP-112017

Date Collected: 11/20/17 00:00
Date Received: 11/21/17 12:20

Lab Sample ID: 480-127885-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/24/17 23:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/24/17 23:53	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/24/17 23:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/24/17 23:53	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/24/17 23:53	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/24/17 23:53	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/24/17 23:53	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/24/17 23:53	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/24/17 23:53	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/24/17 23:53	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/24/17 23:53	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/24/17 23:53	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/24/17 23:53	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/24/17 23:53	1
2-Hexanone	ND		5.0	1.2	ug/L			11/24/17 23:53	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/24/17 23:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/24/17 23:53	1
Acetone	ND		10	3.0	ug/L			11/24/17 23:53	1
Benzene	ND		1.0	0.41	ug/L			11/24/17 23:53	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/24/17 23:53	1
Bromoform	ND		1.0	0.26	ug/L			11/24/17 23:53	1
Bromomethane	ND		1.0	0.69	ug/L			11/24/17 23:53	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/24/17 23:53	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/24/17 23:53	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/24/17 23:53	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/24/17 23:53	1
Chloroethane	ND		1.0	0.32	ug/L			11/24/17 23:53	1
Chloroform	ND		1.0	0.34	ug/L			11/24/17 23:53	1
Chloromethane	ND		1.0	0.35	ug/L			11/24/17 23:53	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/24/17 23:53	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/24/17 23:53	1
Cyclohexane	ND		1.0	0.18	ug/L			11/24/17 23:53	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/24/17 23:53	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/24/17 23:53	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/24/17 23:53	1
Methyl acetate	ND		2.5	1.3	ug/L			11/24/17 23:53	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/24/17 23:53	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/24/17 23:53	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/24/17 23:53	1
Styrene	ND		1.0	0.73	ug/L			11/24/17 23:53	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/24/17 23:53	1
Toluene	ND		1.0	0.51	ug/L			11/24/17 23:53	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/24/17 23:53	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/24/17 23:53	1
Trichloroethene	ND		1.0	0.46	ug/L			11/24/17 23:53	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/24/17 23:53	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/24/17 23:53	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/24/17 23:53	1

Client Sample ID: DUP-112017

Date Collected: 11/20/17 00:00
Date Received: 11/21/17 12:20

Lab Sample ID: 480-127885-7

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*11/24/17 23:53*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*11/24/17 23:53*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*11/24/17 23:53*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*11/24/17 23:53*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 16:12	1
PCB-1221	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 16:12	1
PCB-1232	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 16:12	1
PCB-1242	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 16:12	1
PCB-1248	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 16:12	1
PCB-1254	ND		0.50	0.25	ug/L		11/22/17 07:54	11/24/17 16:12	1
PCB-1260	ND		0.50	0.25	ug/L		11/22/17 07:54	11/24/17 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*57*		*19 - 120*	*11/22/17 07:54*	*11/24/17 16:12*	*1*
DCB Decachlorobiphenyl	*53*		*19 - 120*	*11/22/17 07:54*	*11/24/17 16:12*	*1*
Tetrachloro-m-xylene	*76*		*39 - 121*	*11/22/17 07:54*	*11/24/17 16:12*	*1*
Tetrachloro-m-xylene	*84*		*39 - 121*	*11/22/17 07:54*	*11/24/17 16:12*	*1*

Client Sample ID: FB-112117

Date Collected: 11/21/17 11:30
Date Received: 11/21/17 12:20

Lab Sample ID: 480-127885-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/25/17 00:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/25/17 00:16	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/25/17 00:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/25/17 00:16	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/25/17 00:16	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/25/17 00:16	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/25/17 00:16	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/25/17 00:16	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/25/17 00:16	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/25/17 00:16	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/25/17 00:16	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/25/17 00:16	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/25/17 00:16	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/25/17 00:16	1
2-Hexanone	ND		5.0	1.2	ug/L			11/25/17 00:16	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/25/17 00:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/25/17 00:16	1
Acetone	**3.0**	**J**	10	3.0	ug/L			11/25/17 00:16	1
Benzene	ND		1.0	0.41	ug/L			11/25/17 00:16	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/25/17 00:16	1
Bromoform	ND		1.0	0.26	ug/L			11/25/17 00:16	1
Bromomethane	ND		1.0	0.69	ug/L			11/25/17 00:16	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/25/17 00:16	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/25/17 00:16	1

Client Sample ID: FB-112117

Date Collected: 11/21/17 11:30
Date Received: 11/21/17 12:20

Lab Sample ID: 480-127885-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		1.0	0.75	ug/L			11/25/17 00:16	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/25/17 00:16	1
Chloroethane	ND		1.0	0.32	ug/L			11/25/17 00:16	1
Chloroform	ND		1.0	0.34	ug/L			11/25/17 00:16	1
Chloromethane	ND		1.0	0.35	ug/L			11/25/17 00:16	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/25/17 00:16	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/25/17 00:16	1
Cyclohexane	ND		1.0	0.18	ug/L			11/25/17 00:16	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/25/17 00:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/25/17 00:16	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/25/17 00:16	1
Methyl acetate	ND		2.5	1.3	ug/L			11/25/17 00:16	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/25/17 00:16	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/25/17 00:16	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/25/17 00:16	1
Styrene	ND		1.0	0.73	ug/L			11/25/17 00:16	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/25/17 00:16	1
Toluene	ND		1.0	0.51	ug/L			11/25/17 00:16	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/25/17 00:16	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/25/17 00:16	1
Trichloroethene	ND		1.0	0.46	ug/L			11/25/17 00:16	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/25/17 00:16	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/25/17 00:16	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/25/17 00:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*11/25/17 00:16*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*11/25/17 00:16*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*11/25/17 00:16*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*11/25/17 00:16*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 16:27	1
PCB-1221	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 16:27	1
PCB-1232	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 16:27	1
PCB-1242	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 16:27	1
PCB-1248	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 16:27	1
PCB-1254	ND		0.50	0.25	ug/L		11/22/17 07:54	11/24/17 16:27	1
PCB-1260	ND		0.50	0.25	ug/L		11/22/17 07:54	11/24/17 16:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*43*		*19 - 120*	*11/22/17 07:54*	*11/24/17 16:27*	*1*
DCB Decachlorobiphenyl	*38*		*19 - 120*	*11/22/17 07:54*	*11/24/17 16:27*	*1*
Tetrachloro-m-xylene	*83*		*39 - 121*	*11/22/17 07:54*	*11/24/17 16:27*	*1*
Tetrachloro-m-xylene	*92*		*39 - 121*	*11/22/17 07:54*	*11/24/17 16:27*	*1*

Client Sample ID: TRIP BLANK

Date Collected: 11/20/17 00:00
Date Received: 11/21/17 12:20

Lab Sample ID: 480-127885-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/25/17 00:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/25/17 00:39	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/25/17 00:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/25/17 00:39	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/25/17 00:39	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/25/17 00:39	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/25/17 00:39	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/25/17 00:39	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/25/17 00:39	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/25/17 00:39	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/25/17 00:39	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/25/17 00:39	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/25/17 00:39	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/25/17 00:39	1
2-Hexanone	ND		5.0	1.2	ug/L			11/25/17 00:39	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/25/17 00:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/25/17 00:39	1
Acetone	ND		10	3.0	ug/L			11/25/17 00:39	1
Benzene	ND		1.0	0.41	ug/L			11/25/17 00:39	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/25/17 00:39	1
Bromoform	ND		1.0	0.26	ug/L			11/25/17 00:39	1
Bromomethane	ND		1.0	0.69	ug/L			11/25/17 00:39	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/25/17 00:39	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/25/17 00:39	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/25/17 00:39	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/25/17 00:39	1
Chloroethane	ND		1.0	0.32	ug/L			11/25/17 00:39	1
Chloroform	ND		1.0	0.34	ug/L			11/25/17 00:39	1
Chloromethane	ND		1.0	0.35	ug/L			11/25/17 00:39	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/25/17 00:39	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/25/17 00:39	1
Cyclohexane	ND		1.0	0.18	ug/L			11/25/17 00:39	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/25/17 00:39	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/25/17 00:39	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/25/17 00:39	1
Methyl acetate	ND		2.5	1.3	ug/L			11/25/17 00:39	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/25/17 00:39	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/25/17 00:39	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/25/17 00:39	1
Styrene	ND		1.0	0.73	ug/L			11/25/17 00:39	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/25/17 00:39	1
Toluene	ND		1.0	0.51	ug/L			11/25/17 00:39	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/25/17 00:39	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/25/17 00:39	1
Trichloroethene	ND		1.0	0.46	ug/L			11/25/17 00:39	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/25/17 00:39	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/25/17 00:39	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/25/17 00:39	1

Client: ARCADIS U.S. Inc
Project/Site: GE Tonawanda GW/IDW

TestAmerica Job ID: 480-127885-1

Client Sample ID: TRIP BLANK
Date Collected: 11/20/17 00:00
Date Received: 11/21/17 12:20

Lab Sample ID: 480-127885-9
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		11/25/17 00:39	1
Toluene-d8 (Surr)	100		80 - 120		11/25/17 00:39	1
4-Bromofluorobenzene (Surr)	97		73 - 120		11/25/17 00:39	1
Dibromofluoromethane (Surr)	103		75 - 123		11/25/17 00:39	1

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: GE Tonawanda GW/IDW

TestAmerica Job ID: 480-127885-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(80-120)	(73-120)	(75-123)
480-127885-1	MW-2R	97	99	98	99
480-127885-2	MW-4	102	101	98	104
480-127885-3	MW-5R	96	99	95	96
480-127885-3 MS	MW-5R	99	101	102	103
480-127885-3 MSD	MW-5R	97	98	99	100
480-127885-4	MW-6	98	99	95	99
480-127885-5	MW-7	96	98	97	98
480-127885-6	MW-8	100	98	95	101
480-127885-7	DUP-112017	98	101	99	98
480-127885-8	FB-112117	96	98	95	99
480-127885-9	TRIP BLANK	98	100	97	103
LCS 480-389077/4	Lab Control Sample	100	99	98	98
MB 480-389077/6	Method Blank	101	97	97	99

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCB1	DCB2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(19-120)	(19-120)	(39-121)	(39-121)
480-127885-1	MW-2R	57	50	81	94
480-127885-2	MW-4	58	54	83	95
480-127885-3	MW-5R	65	56	79	87
480-127885-3 MS	MW-5R	60	58	100	94
480-127885-3 MSD	MW-5R	60	58	94	92
480-127885-4	MW-6	62	58	82	95
480-127885-5	MW-7	57	53	76	83
480-127885-6	MW-8	64	59	83	91
480-127885-7	DUP-112017	57	53	76	84
480-127885-8	FB-112117	43	38	83	92
LCS 480-388735/2-A	Lab Control Sample	42	41	80	86
MB 480-388735/1-A	Method Blank	59	51	86	96

Surrogate Legend

DCB = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

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

Lab Sample ID: MB 480-389077/6
Matrix: Water
Analysis Batch: 389077

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/24/17 20:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/24/17 20:51	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/24/17 20:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/24/17 20:51	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/24/17 20:51	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/24/17 20:51	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/24/17 20:51	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/24/17 20:51	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/24/17 20:51	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/24/17 20:51	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/24/17 20:51	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/24/17 20:51	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/24/17 20:51	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/24/17 20:51	1
2-Hexanone	ND		5.0	1.2	ug/L			11/24/17 20:51	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/24/17 20:51	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/24/17 20:51	1
Acetone	ND		10	3.0	ug/L			11/24/17 20:51	1
Benzene	ND		1.0	0.41	ug/L			11/24/17 20:51	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/24/17 20:51	1
Bromoform	ND		1.0	0.26	ug/L			11/24/17 20:51	1
Bromomethane	ND		1.0	0.69	ug/L			11/24/17 20:51	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/24/17 20:51	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/24/17 20:51	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/24/17 20:51	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/24/17 20:51	1
Chloroethane	ND		1.0	0.32	ug/L			11/24/17 20:51	1
Chloroform	ND		1.0	0.34	ug/L			11/24/17 20:51	1
Chloromethane	ND		1.0	0.35	ug/L			11/24/17 20:51	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/24/17 20:51	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/24/17 20:51	1
Cyclohexane	ND		1.0	0.18	ug/L			11/24/17 20:51	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/24/17 20:51	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/24/17 20:51	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/24/17 20:51	1
Methyl acetate	ND		2.5	1.3	ug/L			11/24/17 20:51	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/24/17 20:51	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/24/17 20:51	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/24/17 20:51	1
Styrene	ND		1.0	0.73	ug/L			11/24/17 20:51	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/24/17 20:51	1
Toluene	ND		1.0	0.51	ug/L			11/24/17 20:51	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/24/17 20:51	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/24/17 20:51	1
Trichloroethene	ND		1.0	0.46	ug/L			11/24/17 20:51	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/24/17 20:51	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/24/17 20:51	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/24/17 20:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*11/24/17 20:51*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*11/24/17 20:51*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*11/24/17 20:51*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*11/24/17 20:51*	*1*

Lab Sample ID: LCS 480-389077/4
Matrix: Water
Analysis Batch: 389077

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	27.7		ug/L		111	73 - 126
1,1,2,2-Tetrachloroethane	25.0	26.4		ug/L		106	76 - 120
1,1,2-Trichloroethane	25.0	27.7		ug/L		111	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.0		ug/L		100	61 - 148
1,1-Dichloroethane	25.0	26.9		ug/L		108	77 - 120
1,1-Dichloroethene	25.0	25.2		ug/L		101	66 - 127
1,2,4-Trichlorobenzene	25.0	28.4		ug/L		114	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	22.7		ug/L		91	56 - 134
1,2-Dibromoethane	25.0	27.3		ug/L		109	77 - 120
1,2-Dichlorobenzene	25.0	27.9		ug/L		112	80 - 124
1,2-Dichloroethane	25.0	26.7		ug/L		107	75 - 120
1,2-Dichloropropane	25.0	26.2		ug/L		105	76 - 120
1,3-Dichlorobenzene	25.0	27.8		ug/L		111	77 - 120
1,4-Dichlorobenzene	25.0	27.3		ug/L		109	80 - 120
2-Hexanone	125	133		ug/L		106	65 - 127
2-Butanone (MEK)	125	131		ug/L		105	57 - 140
4-Methyl-2-pentanone (MIBK)	125	126		ug/L		101	71 - 125
Acetone	125	139		ug/L		111	56 - 142
Benzene	25.0	27.4		ug/L		110	71 - 124
Bromodichloromethane	25.0	26.3		ug/L		105	80 - 122
Bromoform	25.0	26.0		ug/L		104	61 - 132
Bromomethane	25.0	28.0		ug/L		112	55 - 144
Carbon disulfide	25.0	27.1		ug/L		108	59 - 134
Carbon tetrachloride	25.0	26.3		ug/L		105	72 - 134
Chlorobenzene	25.0	28.2		ug/L		113	80 - 120
Dibromochloromethane	25.0	25.8		ug/L		103	75 - 125
Chloroethane	25.0	28.4		ug/L		114	69 - 136
Chloroform	25.0	27.6		ug/L		111	73 - 127
Chloromethane	25.0	29.5		ug/L		118	68 - 124
cis-1,2-Dichloroethene	25.0	28.0		ug/L		112	74 - 124
cis-1,3-Dichloropropene	25.0	26.4		ug/L		106	74 - 124
Cyclohexane	25.0	25.8		ug/L		103	59 - 135
Dichlorodifluoromethane	25.0	30.8		ug/L		123	59 - 135
Ethylbenzene	25.0	27.3		ug/L		109	77 - 123
Isopropylbenzene	25.0	27.0		ug/L		108	77 - 122
Methyl acetate	50.0	43.6		ug/L		87	74 - 133
Methyl tert-butyl ether	25.0	26.9		ug/L		108	77 - 120
Methylcyclohexane	25.0	29.7		ug/L		119	68 - 134
Methylene Chloride	25.0	26.4		ug/L		106	75 - 124
Styrene	25.0	28.0		ug/L		112	80 - 120
Tetrachloroethene	25.0	28.3		ug/L		113	74 - 122
Toluene	25.0	27.8		ug/L		111	80 - 122
trans-1,2-Dichloroethene	25.0	26.7		ug/L		107	73 - 127

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

Lab Sample ID: LCS 480-389077/4
Matrix: Water
Analysis Batch: 389077

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	25.0	27.8		ug/L		111	74 - 123
Trichlorofluoromethane	25.0	27.5		ug/L		110	62 - 150
Vinyl chloride	25.0	27.4		ug/L		110	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Dibromofluoromethane (Surr)	*98*		*75 - 123*

Lab Sample ID: 480-127885-3 MS
Matrix: Water
Analysis Batch: 389077

Client Sample ID: MW-5R
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		25.0	29.6		ug/L		118	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	26.3		ug/L		105	76 - 120
1,1,2-Trichloroethane	ND		25.0	28.7		ug/L		115	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	26.1		ug/L		105	61 - 148
1,1-Dichloroethane	ND		25.0	29.5		ug/L		118	77 - 120
1,1-Dichloroethene	ND		25.0	27.5		ug/L		110	66 - 127
1,2,4-Trichlorobenzene	ND		25.0	29.3		ug/L		117	79 - 122
1,2-Dibromo-3-Chloropropane	ND		25.0	22.7		ug/L		91	56 - 134
1,2-Dibromoethane	ND		25.0	28.4		ug/L		114	77 - 120
1,2-Dichlorobenzene	ND		25.0	29.4		ug/L		118	80 - 124
1,2-Dichloroethane	ND		25.0	27.5		ug/L		110	75 - 120
1,2-Dichloropropane	ND		25.0	27.1		ug/L		108	76 - 120
1,3-Dichlorobenzene	ND		25.0	28.6		ug/L		115	77 - 120
1,4-Dichlorobenzene	ND		25.0	28.8		ug/L		115	78 - 124
2-Hexanone	ND		125	129		ug/L		103	65 - 127
2-Butanone (MEK)	ND		125	128		ug/L		102	57 - 140
4-Methyl-2-pentanone (MIBK)	ND		125	128		ug/L		102	71 - 125
Acetone	ND		125	126		ug/L		101	56 - 142
Benzene	ND		25.0	29.2		ug/L		117	71 - 124
Bromodichloromethane	ND		25.0	27.0		ug/L		108	80 - 122
Bromoform	ND		25.0	26.7		ug/L		107	61 - 132
Bromomethane	ND		25.0	31.4		ug/L		126	55 - 144
Carbon disulfide	ND		25.0	27.8		ug/L		111	59 - 134
Carbon tetrachloride	ND		25.0	28.3		ug/L		113	72 - 134
Chlorobenzene	ND		25.0	29.2		ug/L		117	80 - 120
Dibromochloromethane	ND		25.0	27.6		ug/L		110	75 - 125
Chloroethane	ND		25.0	32.9		ug/L		132	69 - 136
Chloroform	ND		25.0	29.1		ug/L		116	73 - 127
Chloromethane	ND	F1	25.0	32.8	F1	ug/L		131	68 - 124
cis-1,2-Dichloroethene	ND		25.0	29.0		ug/L		116	74 - 124
cis-1,3-Dichloropropene	ND		25.0	26.6		ug/L		106	74 - 124
Cyclohexane	ND		25.0	27.4		ug/L		110	59 - 135

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

Lab Sample ID: 480-127885-3 MS
Matrix: Water
Analysis Batch: 389077

Client Sample ID: MW-5R
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	ND	F1	25.0	37.2	F1	ug/L		149	59 - 135
Ethylbenzene	ND		25.0	29.3		ug/L		117	77 - 123
Isopropylbenzene	ND		25.0	28.6		ug/L		114	77 - 122
Methyl acetate	ND		50.0	45.0		ug/L		90	74 - 133
Methyl tert-butyl ether	ND		25.0	27.2		ug/L		109	77 - 120
Methylcyclohexane	ND		25.0	31.7		ug/L		127	68 - 134
Methylene Chloride	ND		25.0	28.0		ug/L		112	75 - 124
Styrene	ND		25.0	29.5		ug/L		118	80 - 120
Tetrachloroethene	ND	F1	25.0	31.1	F1	ug/L		125	74 - 122
Toluene	ND		25.0	29.8		ug/L		119	80 - 122
trans-1,2-Dichloroethene	ND		25.0	30.8		ug/L		123	73 - 127
Trichloroethene	ND	F1	25.0	31.1	F1	ug/L		124	74 - 123
Trichlorofluoromethane	ND		25.0	31.2		ug/L		125	62 - 150
Vinyl chloride	ND		25.0	31.9		ug/L		127	65 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*
Dibromofluoromethane (Surr)	*103*		*75 - 123*

Lab Sample ID: 480-127885-3 MSD
Matrix: Water
Analysis Batch: 389077

Client Sample ID: MW-5R
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		25.0	27.7		ug/L		111	73 - 126	7	15
1,1,2,2-Tetrachloroethane	ND		25.0	26.3		ug/L		105	76 - 120	0	15
1,1,2-Trichloroethane	ND		25.0	26.4		ug/L		106	76 - 122	8	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	26.2		ug/L		105	61 - 148	0	20
1,1-Dichloroethane	ND		25.0	27.2		ug/L		109	77 - 120	8	20
1,1-Dichloroethene	ND		25.0	25.3		ug/L		101	66 - 127	8	16
1,2,4-Trichlorobenzene	ND		25.0	28.2		ug/L		113	79 - 122	4	20
1,2-Dibromo-3-Chloropropane	ND		25.0	23.1		ug/L		92	56 - 134	2	15
1,2-Dibromoethane	ND		25.0	26.9		ug/L		108	77 - 120	5	15
1,2-Dichlorobenzene	ND		25.0	27.6		ug/L		110	80 - 124	6	20
1,2-Dichloroethane	ND		25.0	26.2		ug/L		105	75 - 120	5	20
1,2-Dichloropropane	ND		25.0	25.3		ug/L		101	76 - 120	7	20
1,3-Dichlorobenzene	ND		25.0	27.6		ug/L		110	77 - 120	4	20
1,4-Dichlorobenzene	ND		25.0	27.4		ug/L		110	78 - 124	5	20
2-Hexanone	ND		125	128		ug/L		103	65 - 127	0	15
2-Butanone (MEK)	ND		125	128		ug/L		103	57 - 140	1	20
4-Methyl-2-pentanone (MIBK)	ND		125	127		ug/L		102	71 - 125	1	35
Acetone	ND		125	125		ug/L		100	56 - 142	1	15
Benzene	ND		25.0	27.2		ug/L		109	71 - 124	7	13
Bromodichloromethane	ND		25.0	25.6		ug/L		102	80 - 122	5	15
Bromoform	ND		25.0	24.9		ug/L		100	61 - 132	7	15

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

Lab Sample ID: 480-127885-3 MSD
Matrix: Water
Analysis Batch: 389077

Client Sample ID: MW-5R
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromomethane	ND		25.0	32.3		ug/L		129	55 - 144	3	15
Carbon disulfide	ND		25.0	25.5		ug/L		102	59 - 134	9	15
Carbon tetrachloride	ND		25.0	26.6		ug/L		106	72 - 134	6	15
Chlorobenzene	ND		25.0	27.1		ug/L		108	80 - 120	8	25
Dibromochloromethane	ND		25.0	26.0		ug/L		104	75 - 125	6	15
Chloroethane	ND		25.0	32.6		ug/L		131	69 - 136	1	15
Chloroform	ND		25.0	27.0		ug/L		108	73 - 127	7	20
Chloromethane	ND	F1	25.0	32.6	F1	ug/L		130	68 - 124	1	15
cis-1,2-Dichloroethene	ND		25.0	26.9		ug/L		108	74 - 124	7	15
cis-1,3-Dichloropropene	ND		25.0	25.7		ug/L		103	74 - 124	3	15
Cyclohexane	ND		25.0	26.7		ug/L		107	59 - 135	3	20
Dichlorodifluoromethane	ND	F1	25.0	36.6	F1	ug/L		147	59 - 135	2	20
Ethylbenzene	ND		25.0	26.6		ug/L		106	77 - 123	10	15
Isopropylbenzene	ND		25.0	27.4		ug/L		110	77 - 122	4	20
Methyl acetate	ND		50.0	41.0		ug/L		82	74 - 133	9	20
Methyl tert-butyl ether	ND		25.0	26.3		ug/L		105	77 - 120	3	37
Methylcyclohexane	ND		25.0	29.8		ug/L		119	68 - 134	6	20
Methylene Chloride	ND		25.0	26.4		ug/L		105	75 - 124	6	15
Styrene	ND		25.0	27.0		ug/L		108	80 - 120	9	20
Tetrachloroethene	ND	F1	25.0	27.9		ug/L		111	74 - 122	11	20
Toluene	ND		25.0	26.7		ug/L		107	80 - 122	11	15
trans-1,2-Dichloroethene	ND		25.0	28.3		ug/L		113	73 - 127	8	20
Trichloroethene	ND	F1	25.0	28.2		ug/L		113	74 - 123	10	16
Trichlorofluoromethane	ND		25.0	32.5		ug/L		130	62 - 150	4	20
Vinyl chloride	ND		25.0	33.3		ug/L		133	65 - 133	4	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*
Dibromofluoromethane (Surr)	*100*		*75 - 123*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-388735/1-A
Matrix: Water
Analysis Batch: 389001

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 388735

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 12:35	1
PCB-1221	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 12:35	1
PCB-1232	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 12:35	1
PCB-1242	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 12:35	1
PCB-1248	ND		0.50	0.18	ug/L		11/22/17 07:54	11/24/17 12:35	1
PCB-1254	ND		0.50	0.25	ug/L		11/22/17 07:54	11/24/17 12:35	1
PCB-1260	ND		0.50	0.25	ug/L		11/22/17 07:54	11/24/17 12:35	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 480-388735/1-A
Matrix: Water
Analysis Batch: 389001

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 388735

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	59		19 - 120	11/22/17 07:54	11/24/17 12:35	1
DCB Decachlorobiphenyl	51		19 - 120	11/22/17 07:54	11/24/17 12:35	1
Tetrachloro-m-xylene	86		39 - 121	11/22/17 07:54	11/24/17 12:35	1
Tetrachloro-m-xylene	96		39 - 121	11/22/17 07:54	11/24/17 12:35	1

Lab Sample ID: LCS 480-388735/2-A
Matrix: Water
Analysis Batch: 389001

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 388735

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			4.00	3.55		ug/L		89	62 - 130		
PCB-1260			4.00	3.00		ug/L		75	56 - 123		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	42		19 - 120
DCB Decachlorobiphenyl	41		19 - 120
Tetrachloro-m-xylene	80		39 - 121
Tetrachloro-m-xylene	86		39 - 121

Lab Sample ID: 480-127885-3 MS
Matrix: Water
Analysis Batch: 389001

Client Sample ID: MW-5R
Prep Type: Total/NA
Prep Batch: 388735

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016	ND		4.00	3.96		ug/L		99	28 - 150		
PCB-1260	ND		4.00	3.36		ug/L		84	25 - 131		

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	60		19 - 120
DCB Decachlorobiphenyl	58		19 - 120
Tetrachloro-m-xylene	100		39 - 121
Tetrachloro-m-xylene	94		39 - 121

Lab Sample ID: 480-127885-3 MSD
Matrix: Water
Analysis Batch: 389001

Client Sample ID: MW-5R
Prep Type: Total/NA
Prep Batch: 388735

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		4.00	3.85		ug/L		96	28 - 150	3	50
PCB-1260	ND		4.00	3.27		ug/L		82	25 - 131	2	50

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	60		19 - 120
DCB Decachlorobiphenyl	58		19 - 120
Tetrachloro-m-xylene	94		39 - 121
Tetrachloro-m-xylene	92		39 - 121

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: GE Tonawanda GW/IDW

TestAmerica Job ID: 480-127885-1

GC/MS VOA

Analysis Batch: 389077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-127885-1	MW-2R	Total/NA	Water	8260C	
480-127885-2	MW-4	Total/NA	Water	8260C	
480-127885-3	MW-5R	Total/NA	Water	8260C	
480-127885-4	MW-6	Total/NA	Water	8260C	
480-127885-5	MW-7	Total/NA	Water	8260C	
480-127885-6	MW-8	Total/NA	Water	8260C	
480-127885-7	DUP-112017	Total/NA	Water	8260C	
480-127885-8	FB-112117	Total/NA	Water	8260C	
480-127885-9	TRIP BLANK	Total/NA	Water	8260C	
MB 480-389077/6	Method Blank	Total/NA	Water	8260C	
LCS 480-389077/4	Lab Control Sample	Total/NA	Water	8260C	
480-127885-3 MS	MW-5R	Total/NA	Water	8260C	
480-127885-3 MSD	MW-5R	Total/NA	Water	8260C	

GC Semi VOA

Prep Batch: 388735

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-127885-1	MW-2R	Total/NA	Water	3510C	
480-127885-2	MW-4	Total/NA	Water	3510C	
480-127885-3	MW-5R	Total/NA	Water	3510C	
480-127885-4	MW-6	Total/NA	Water	3510C	
480-127885-5	MW-7	Total/NA	Water	3510C	
480-127885-6	MW-8	Total/NA	Water	3510C	
480-127885-7	DUP-112017	Total/NA	Water	3510C	
480-127885-8	FB-112117	Total/NA	Water	3510C	
MB 480-388735/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-388735/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-127885-3 MS	MW-5R	Total/NA	Water	3510C	
480-127885-3 MSD	MW-5R	Total/NA	Water	3510C	

Analysis Batch: 389001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-127885-1	MW-2R	Total/NA	Water	8082A	388735
480-127885-2	MW-4	Total/NA	Water	8082A	388735
480-127885-3	MW-5R	Total/NA	Water	8082A	388735
480-127885-4	MW-6	Total/NA	Water	8082A	388735
480-127885-5	MW-7	Total/NA	Water	8082A	388735
480-127885-6	MW-8	Total/NA	Water	8082A	388735
480-127885-7	DUP-112017	Total/NA	Water	8082A	388735
480-127885-8	FB-112117	Total/NA	Water	8082A	388735
MB 480-388735/1-A	Method Blank	Total/NA	Water	8082A	388735
LCS 480-388735/2-A	Lab Control Sample	Total/NA	Water	8082A	388735
480-127885-3 MS	MW-5R	Total/NA	Water	8082A	388735
480-127885-3 MSD	MW-5R	Total/NA	Water	8082A	388735

Client Sample ID: MW-2R
Date Collected: 11/20/17 10:55
Date Received: 11/21/17 12:20

Lab Sample ID: 480-127885-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	389077	11/24/17 21:33	RRS	TAL BUF
Total/NA	Prep	3510C			388735	11/22/17 07:54	JMP	TAL BUF
Total/NA	Analysis	8082A		1	389001	11/24/17 14:38	JMO	TAL BUF

Client Sample ID: MW-4
Date Collected: 11/21/17 09:20
Date Received: 11/21/17 12:20

Lab Sample ID: 480-127885-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	389077	11/24/17 21:57	RRS	TAL BUF
Total/NA	Prep	3510C			388735	11/22/17 07:54	JMP	TAL BUF
Total/NA	Analysis	8082A		1	389001	11/24/17 15:10	JMO	TAL BUF

Client Sample ID: MW-5R
Date Collected: 11/20/17 14:00
Date Received: 11/21/17 12:20

Lab Sample ID: 480-127885-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	389077	11/24/17 22:20	RRS	TAL BUF
Total/NA	Prep	3510C			388735	11/22/17 07:54	JMP	TAL BUF
Total/NA	Analysis	8082A		1	389001	11/24/17 13:36	JMO	TAL BUF

Client Sample ID: MW-6
Date Collected: 11/21/17 11:05
Date Received: 11/21/17 12:20

Lab Sample ID: 480-127885-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	389077	11/24/17 22:43	RRS	TAL BUF
Total/NA	Prep	3510C			388735	11/22/17 07:54	JMP	TAL BUF
Total/NA	Analysis	8082A		1	389001	11/24/17 15:26	JMO	TAL BUF

Client Sample ID: MW-7
Date Collected: 11/20/17 11:50
Date Received: 11/21/17 12:20

Lab Sample ID: 480-127885-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	389077	11/24/17 23:06	RRS	TAL BUF
Total/NA	Prep	3510C			388735	11/22/17 07:54	JMP	TAL BUF
Total/NA	Analysis	8082A		1	389001	11/24/17 15:41	JMO	TAL BUF

Client Sample ID: MW-8
Lab Sample ID: 480-127885-6

Date Collected: 11/20/17 16:15
Matrix: Water
Date Received: 11/21/17 12:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	389077	11/24/17 23:30	RRS	TAL BUF
Total/NA	Prep	3510C			388735	11/22/17 07:54	JMP	TAL BUF
Total/NA	Analysis	8082A		1	389001	11/24/17 15:56	JMO	TAL BUF

Client Sample ID: DUP-112017
Lab Sample ID: 480-127885-7

Date Collected: 11/20/17 00:00
Matrix: Water
Date Received: 11/21/17 12:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	389077	11/24/17 23:53	RRS	TAL BUF
Total/NA	Prep	3510C			388735	11/22/17 07:54	JMP	TAL BUF
Total/NA	Analysis	8082A		1	389001	11/24/17 16:12	JMO	TAL BUF

Client Sample ID: FB-112117
Lab Sample ID: 480-127885-8

Date Collected: 11/21/17 11:30
Matrix: Water
Date Received: 11/21/17 12:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	389077	11/25/17 00:16	RRS	TAL BUF
Total/NA	Prep	3510C			388735	11/22/17 07:54	JMP	TAL BUF
Total/NA	Analysis	8082A		1	389001	11/24/17 16:27	JMO	TAL BUF

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-127885-9

Date Collected: 11/20/17 00:00
Matrix: Water
Date Received: 11/21/17 12:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	389077	11/25/17 00:39	RRS	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: ARCADIS U.S. Inc
TestAmerica Job ID: 480-127885-1
Project/Site: GE Tonawanda GW/IDW

Laboratory: TestAmerica Buffalo

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

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-18

Method 8260C

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

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-2R	480-127885-1	99	97	99	98
MW-4	480-127885-2	104	102	101	98
MW-5R	480-127885-3	96	96	99	95
MW-6	480-127885-4	99	98	99	95
MW-7	480-127885-5	98	96	98	97
MW-8	480-127885-6	101	100	98	95
DUP-112017	480-127885-7	98	98	101	99
FB-112117	480-127885-8	99	96	98	95
TRIP BLANK	480-127885-9	103	98	100	97
	MB 480-389077/6	99	101	97	97
	LCS 480-389077/4	98	100	99	98
MW-5R MS	480-127885-3 MS	103	99	101	102
MW-5R MSD	480-127885-3 MSD	100	97	98	99

	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: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S4196.D

Lab ID: LCS 480-389077/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	27.7	111	73-126	
1,1,2,2-Tetrachloroethane	25.0	26.4	106	76-120	
1,1,2-Trichloroethane	25.0	27.7	111	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.0	100	61-148	
1,1-Dichloroethane	25.0	26.9	108	77-120	
1,1-Dichloroethene	25.0	25.2	101	66-127	
1,2,4-Trichlorobenzene	25.0	28.4	114	79-122	
1,2-Dibromo-3-Chloropropane	25.0	22.7	91	56-134	
1,2-Dibromoethane	25.0	27.3	109	77-120	
1,2-Dichlorobenzene	25.0	27.9	112	80-124	
1,2-Dichloroethane	25.0	26.7	107	75-120	
1,2-Dichloropropane	25.0	26.2	105	76-120	
1,3-Dichlorobenzene	25.0	27.8	111	77-120	
1,4-Dichlorobenzene	25.0	27.3	109	80-120	
2-Hexanone	125	133	106	65-127	
2-Butanone (MEK)	125	131	105	57-140	
4-Methyl-2-pentanone (MIBK)	125	126	101	71-125	
Acetone	125	139	111	56-142	
Benzene	25.0	27.4	110	71-124	
Bromodichloromethane	25.0	26.3	105	80-122	
Bromoform	25.0	26.0	104	61-132	
Bromomethane	25.0	28.0	112	55-144	
Carbon disulfide	25.0	27.1	108	59-134	
Carbon tetrachloride	25.0	26.3	105	72-134	
Chlorobenzene	25.0	28.2	113	80-120	
Dibromochloromethane	25.0	25.8	103	75-125	
Chloroethane	25.0	28.4	114	69-136	
Chloroform	25.0	27.6	111	73-127	
Chloromethane	25.0	29.5	118	68-124	
cis-1,2-Dichloroethene	25.0	28.0	112	74-124	
cis-1,3-Dichloropropene	25.0	26.4	106	74-124	
Cyclohexane	25.0	25.8	103	59-135	
Dichlorodifluoromethane	25.0	30.8	123	59-135	
Ethylbenzene	25.0	27.3	109	77-123	
Isopropylbenzene	25.0	27.0	108	77-122	
Methyl acetate	50.0	43.6	87	74-133	
Methyl tert-butyl ether	25.0	26.9	108	77-120	
Methylcyclohexane	25.0	29.7	119	68-134	
Methylene Chloride	25.0	26.4	106	75-124	
Styrene	25.0	28.0	112	80-120	
Tetrachloroethene	25.0	28.3	113	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S4196.D

Lab ID: LCS 480-389077/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	27.8	111	80-122	
trans-1,2-Dichloroethene	25.0	26.7	107	73-127	
Trichloroethene	25.0	27.8	111	74-123	
Trichlorofluoromethane	25.0	27.5	110	62-150	
Vinyl chloride	25.0	27.4	110	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S4216.D

Lab ID: 480-127885-3 MS Client ID: MW-5R MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	ND	29.6	118	73-126	
1,1,2,2-Tetrachloroethane	25.0	ND	26.3	105	76-120	
1,1,2-Trichloroethane	25.0	ND	28.7	115	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	ND	26.1	105	61-148	
1,1-Dichloroethane	25.0	ND	29.5	118	77-120	
1,1-Dichloroethene	25.0	ND	27.5	110	66-127	
1,2,4-Trichlorobenzene	25.0	ND	29.3	117	79-122	
1,2-Dibromo-3-Chloropropane	25.0	ND	22.7	91	56-134	
1,2-Dibromoethane	25.0	ND	28.4	114	77-120	
1,2-Dichlorobenzene	25.0	ND	29.4	118	80-124	
1,2-Dichloroethane	25.0	ND	27.5	110	75-120	
1,2-Dichloropropane	25.0	ND	27.1	108	76-120	
1,3-Dichlorobenzene	25.0	ND	28.6	115	77-120	
1,4-Dichlorobenzene	25.0	ND	28.8	115	78-124	
2-Hexanone	125	ND	129	103	65-127	
2-Butanone (MEK)	125	ND	128	102	57-140	
4-Methyl-2-pentanone (MIBK)	125	ND	128	102	71-125	
Acetone	125	ND	126	101	56-142	
Benzene	25.0	ND	29.2	117	71-124	
Bromodichloromethane	25.0	ND	27.0	108	80-122	
Bromoform	25.0	ND	26.7	107	61-132	
Bromomethane	25.0	ND	31.4	126	55-144	
Carbon disulfide	25.0	ND	27.8	111	59-134	
Carbon tetrachloride	25.0	ND	28.3	113	72-134	
Chlorobenzene	25.0	ND	29.2	117	80-120	
Dibromochloromethane	25.0	ND	27.6	110	75-125	
Chloroethane	25.0	ND	32.9	132	69-136	
Chloroform	25.0	ND	29.1	116	73-127	
Chloromethane	25.0	ND	32.8	131	68-124	F1
cis-1,2-Dichloroethene	25.0	ND	29.0	116	74-124	
cis-1,3-Dichloropropene	25.0	ND	26.6	106	74-124	
Cyclohexane	25.0	ND	27.4	110	59-135	
Dichlorodifluoromethane	25.0	ND	37.2	149	59-135	F1
Ethylbenzene	25.0	ND	29.3	117	77-123	
Isopropylbenzene	25.0	ND	28.6	114	77-122	
Methyl acetate	50.0	ND	45.0	90	74-133	
Methyl tert-butyl ether	25.0	ND	27.2	109	77-120	
Methylcyclohexane	25.0	ND	31.7	127	68-134	
Methylene Chloride	25.0	ND	28.0	112	75-124	
Styrene	25.0	ND	29.5	118	80-120	
Tetrachloroethene	25.0	ND	31.1	125	74-122	F1

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S4216.D

Lab ID: 480-127885-3 MS Client ID: MW-5R MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Toluene	25.0	ND	29.8	119	80-122	
trans-1,2-Dichloroethene	25.0	ND	30.8	123	73-127	
Trichloroethene	25.0	ND	31.1	124	74-123	F1
Trichlorofluoromethane	25.0	ND	31.2	125	62-150	
Vinyl chloride	25.0	ND	31.9	127	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S4217.D

Lab ID: 480-127885-3 MSD Client ID: MW-5R MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	27.7	111	7	15	73-126	
1,1,2,2-Tetrachloroethane	25.0	26.3	105	0	15	76-120	
1,1,2-Trichloroethane	25.0	26.4	106	8	15	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	26.2	105	0	20	61-148	
1,1-Dichloroethane	25.0	27.2	109	8	20	77-120	
1,1-Dichloroethene	25.0	25.3	101	8	16	66-127	
1,2,4-Trichlorobenzene	25.0	28.2	113	4	20	79-122	
1,2-Dibromo-3-Chloropropane	25.0	23.1	92	2	15	56-134	
1,2-Dibromoethane	25.0	26.9	108	5	15	77-120	
1,2-Dichlorobenzene	25.0	27.6	110	6	20	80-124	
1,2-Dichloroethane	25.0	26.2	105	5	20	75-120	
1,2-Dichloropropane	25.0	25.3	101	7	20	76-120	
1,3-Dichlorobenzene	25.0	27.6	110	4	20	77-120	
1,4-Dichlorobenzene	25.0	27.4	110	5	20	78-124	
2-Hexanone	125	128	103	0	15	65-127	
2-Butanone (MEK)	125	128	103	1	20	57-140	
4-Methyl-2-pentanone (MIBK)	125	127	102	1	35	71-125	
Acetone	125	125	100	1	15	56-142	
Benzene	25.0	27.2	109	7	13	71-124	
Bromodichloromethane	25.0	25.6	102	5	15	80-122	
Bromoform	25.0	24.9	100	7	15	61-132	
Bromomethane	25.0	32.3	129	3	15	55-144	
Carbon disulfide	25.0	25.5	102	9	15	59-134	
Carbon tetrachloride	25.0	26.6	106	6	15	72-134	
Chlorobenzene	25.0	27.1	108	8	25	80-120	
Dibromochloromethane	25.0	26.0	104	6	15	75-125	
Chloroethane	25.0	32.6	131	1	15	69-136	
Chloroform	25.0	27.0	108	7	20	73-127	
Chloromethane	25.0	32.6	130	1	15	68-124	F1
cis-1,2-Dichloroethene	25.0	26.9	108	7	15	74-124	
cis-1,3-Dichloropropene	25.0	25.7	103	3	15	74-124	
Cyclohexane	25.0	26.7	107	3	20	59-135	
Dichlorodifluoromethane	25.0	36.6	147	2	20	59-135	F1
Ethylbenzene	25.0	26.6	106	10	15	77-123	
Isopropylbenzene	25.0	27.4	110	4	20	77-122	
Methyl acetate	50.0	41.0	82	9	20	74-133	
Methyl tert-butyl ether	25.0	26.3	105	3	37	77-120	
Methylcyclohexane	25.0	29.8	119	6	20	68-134	
Methylene Chloride	25.0	26.4	105	6	15	75-124	
Styrene	25.0	27.0	108	9	20	80-120	
Tetrachloroethene	25.0	27.9	111	11	20	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S4217.D

Lab ID: 480-127885-3 MSD Client ID: MW-5R MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Toluene	25.0	26.7	107	11	15	80-122	
trans-1,2-Dichloroethene	25.0	28.3	113	8	20	73-127	
Trichloroethene	25.0	28.2	113	10	16	74-123	
Trichlorofluoromethane	25.0	32.5	130	4	20	62-150	
Vinyl chloride	25.0	33.3	133	4	15	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Lab File ID: S4198.D Lab Sample ID: MB 480-389077/6

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

Instrument ID: HP5973S Date Analyzed: 11/24/2017 20:51

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 480-389077/4	S4196.D	11/24/2017 20:05
MW-2R	480-127885-1	S4199.D	11/24/2017 21:33
MW-4	480-127885-2	S4200.D	11/24/2017 21:57
MW-5R	480-127885-3	S4201.D	11/24/2017 22:20
MW-6	480-127885-4	S4202.D	11/24/2017 22:43
MW-7	480-127885-5	S4203.D	11/24/2017 23:06
MW-8	480-127885-6	S4204.D	11/24/2017 23:30
DUP-112017	480-127885-7	S4205.D	11/24/2017 23:53
FB-112117	480-127885-8	S4206.D	11/25/2017 00:16
TRIP BLANK	480-127885-9	S4207.D	11/25/2017 00:39
MW-5R MS	480-127885-3 MS	S4216.D	11/25/2017 04:08
MW-5R MSD	480-127885-3 MSD	S4217.D	11/25/2017 04:32

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

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Lab File ID: S3867.D BFB Injection Date: 11/05/2017

Instrument ID: HP5973S BFB Injection Time: 18:55

Analysis Batch No.: 385713

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.3	
75	30.0 - 60.0 % of mass 95	45.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.0	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	82.8	
175	5.0 - 9.0 % of mass 174	6.2	(7.4) 1
176	95.0 - 101.0 % of mass 174	80.7	(97.5) 1
177	5.0 - 9.0 % of mass 176	5.3	(6.6) 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 480-385713/8	S3869.D	11/05/2017	19:42
	IC 480-385713/9	S3870.D	11/05/2017	20:05
	IC 480-385713/10	S3871.D	11/05/2017	20:28
	IC 480-385713/11	S3872.D	11/05/2017	20:52
	IC 480-385713/12	S3873.D	11/05/2017	21:15
	ICIS 480-385713/13	S3874.D	11/05/2017	21:38
	IC 480-385713/14	S3875.D	11/05/2017	22:01
	IC 480-385713/15	S3876.D	11/05/2017	22:24

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

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Lab File ID: S4193.D BFB Injection Date: 11/24/2017

Instrument ID: HP5973S BFB Injection Time: 18:52

Analysis Batch No.: 389077

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.3	
75	30.0 - 60.0 % of mass 95	48.1	
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	50.0 - 120.00 % of mass 95	80.0	
175	5.0 - 9.0 % of mass 174	5.2	(6.5) 1
176	95.0 - 101.0 % of mass 174	78.3	(97.8) 1
177	5.0 - 9.0 % of mass 176	5.3	(6.7) 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 480-389077/2	S4194.D	11/24/2017	19:19
	LCS 480-389077/4	S4196.D	11/24/2017	20:05
	MB 480-389077/6	S4198.D	11/24/2017	20:51
MW-2R	480-127885-1	S4199.D	11/24/2017	21:33
MW-4	480-127885-2	S4200.D	11/24/2017	21:57
MW-5R	480-127885-3	S4201.D	11/24/2017	22:20
MW-6	480-127885-4	S4202.D	11/24/2017	22:43
MW-7	480-127885-5	S4203.D	11/24/2017	23:06
MW-8	480-127885-6	S4204.D	11/24/2017	23:30
DUP-112017	480-127885-7	S4205.D	11/24/2017	23:53
FB-112117	480-127885-8	S4206.D	11/25/2017	00:16
TRIP BLANK	480-127885-9	S4207.D	11/25/2017	00:39
MW-5R MS	480-127885-3 MS	S4216.D	11/25/2017	04:08
MW-5R MSD	480-127885-3 MSD	S4217.D	11/25/2017	04:32

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

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Sample No.: ICIS 480-385713/13 Date Analyzed: 11/05/2017 21:38

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): S3874.D Heated Purge: (Y/N) N

Calibration ID: 31908

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		138518	5.55	276575	8.55	281565	10.92
UPPER LIMIT		277036	6.05	553150	9.05	563130	11.42
LOWER LIMIT		69259	5.05	138288	8.05	140783	10.42
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-389077/2		142258	5.55	295986	8.55	298263	10.92

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: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Sample No.: CCVIS 480-389077/2 Date Analyzed: 11/24/2017 19:19

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm)

Lab File ID (Standard): S4194.D Heated Purge: (Y/N) N

Calibration ID: 31911

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		142258	5.55	295986	8.55	298263	10.92
UPPER LIMIT		284516	6.05	591972	9.05	596526	11.42
LOWER LIMIT		71129	5.05	147993	8.05	149132	10.42
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-389077/4		142033	5.55	288107	8.55	294594	10.92
MB 480-389077/6		134551	5.55	277241	8.55	274357	10.92
480-127885-1	MW-2R	139190	5.55	281778	8.55	285724	10.92
480-127885-2	MW-4	133465	5.55	281225	8.55	282799	10.92
480-127885-3	MW-5R	141882	5.55	283257	8.55	281856	10.92
480-127885-4	MW-6	139304	5.55	280103	8.55	278006	10.92
480-127885-5	MW-7	137088	5.55	282200	8.55	278040	10.92
480-127885-6	MW-8	136638	5.55	283332	8.55	279456	10.92
480-127885-7	DUP-112017	137399	5.55	268319	8.55	277530	10.92
480-127885-8	FB-112117	138301	5.55	277303	8.55	272351	10.92
480-127885-9	TRIP BLANK	133710	5.55	273257	8.55	269637	10.92
480-127885-3 MS	MW-5R MS	136499	5.55	274132	8.55	284868	10.92
480-127885-3 MSD	MW-5R MSD	134773	5.55	275763	8.55	276916	10.92

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: TestAmerica Buffalo | Job No.: 480-127885-1

SDG No.:

Client Sample ID: MW-2R | Lab Sample ID: 480-127885-1

Matrix: Water | Lab File ID: S4199.D

Analysis Method: 8260C | Date Collected: 11/20/2017 10:55

Sample wt/vol: 5(mL) | Date Analyzed: 11/24/2017 21:33

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.: 389077 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-127885-1

SDG No.:

Client Sample ID: MW-2R | Lab Sample ID: 480-127885-1

Matrix: Water | Lab File ID: S4199.D

Analysis Method: 8260C | Date Collected: 11/20/2017 10:55

Sample wt/vol: 5(mL) | Date Analyzed: 11/24/2017 21:33

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.: 389077 | Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		77-120
2037-26-5	Toluene-d8 (Surr)	99		80-120
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
1868-53-7	Dibromofluoromethane (Surr)	99		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S4199.D
Lims ID: 480-127885-C-1
Client ID: MW-2R
Sample Type: Client
Inject. Date: 24-Nov-2017 21:33:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-127885-c-1
Misc. Info.: 480-0067526-007
Operator ID: KN Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Nov-2017 08:49:50 Calib Date: 06-Nov-2017 02:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3887.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: reiler Date: 25-Nov-2017 08:46:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.546	5.546	0.000	99	139190	25.0	
* 2 Chlorobenzene-d5	82	8.545	8.546	-0.001	86	281778	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.924	10.924	0.000	94	285724	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.956	4.956	0.000	59	174972	24.9	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.266	5.267	-0.001	0	110985	24.2	
$ 5 Toluene-d8 (Surr)	98	7.061	7.061	0.000	93	707922	24.8	
$ 6 4-Bromofluorobenzene (Surr	174	9.793	9.793	0.000	88	231652	24.4	
10 Dichlorodifluoromethane	85		1.300				ND	
12 Chloromethane	50		1.482				ND	
13 Vinyl chloride	62		1.568				ND	
14 Bromomethane	94		1.896				ND	
15 Chloroethane	64		1.993				ND	
17 Trichlorofluoromethane	101		2.225				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.736				ND	
22 1,1-Dichloroethene	96		2.754				ND	
23 Acetone	43	2.882	2.870	0.012	62	7445	2.62	
26 Carbon disulfide	76		2.955				ND	
27 Methyl acetate	43		3.180				ND	
30 Methylene Chloride	84	3.277	3.277	0.000	50	2927	0.4120	
32 Methyl tert-butyl ether	73		3.496				ND	
34 trans-1,2-Dichloroethene	96		3.508				ND	
39 1,1-Dichloroethane	63		3.928				ND	
45 cis-1,2-Dichloroethene	96		4.488				ND	
43 2-Butanone (MEK)	43		4.524				ND	
50 Chloroform	83	4.804	4.798	0.006	1	1347	0.1182	
51 1,1,1-Trichloroethane	97		4.920				ND	
52 Cyclohexane	56		4.932				ND	
55 Carbon tetrachloride	117		5.060				ND	
57 Benzene	78		5.279				ND	
58 1,2-Dichloroethane	62		5.339				ND	
62 Trichloroethene	95		5.893				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		6.015				ND	
65 1,2-Dichloropropane	63		6.124				ND	
68 Dichlorobromomethane	83		6.416				ND	
72 cis-1,3-Dichloropropene	75		6.836				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.976				ND	
74 Toluene	92	7.134	7.128	0.006	47	3623	0.2062	
77 trans-1,3-Dichloropropene	75		7.402				ND	
79 1,1,2-Trichloroethane	83		7.590				ND	
81 Tetrachloroethene	166	7.669	7.663	0.006	1	607	0.0776	7M
80 2-Hexanone	43		7.815				ND	
83 Chlorodibromomethane	129		7.986				ND	
84 Ethylene Dibromide	107		8.095				ND	
87 Chlorobenzene	112		8.576				ND	
88 Ethylbenzene	91	8.685	8.673	0.012	1	1641	0.0493	7
90 m-Xylene & p-Xylene	106		8.789				ND	
91 o-Xylene	106		9.221				ND	M
92 Styrene	104		9.245				ND	
95 Bromoform	173		9.488				ND	
94 Isopropylbenzene	105		9.604				ND	
97 1,1,2,2-Tetrachloroethane	83		9.987				ND	
111 1,3-Dichlorobenzene	146		10.857				ND	
113 1,4-Dichlorobenzene	146		10.942				ND	
116 1,2-Dichlorobenzene	146		11.295				ND	
117 1,2-Dibromo-3-Chloropropan	75		12.013				ND	
119 1,2,4-Trichlorobenzene	180		12.694				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

S_8260_IS_00272	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00230	Amount Added:	1.00	Units: uL	Run Reagent

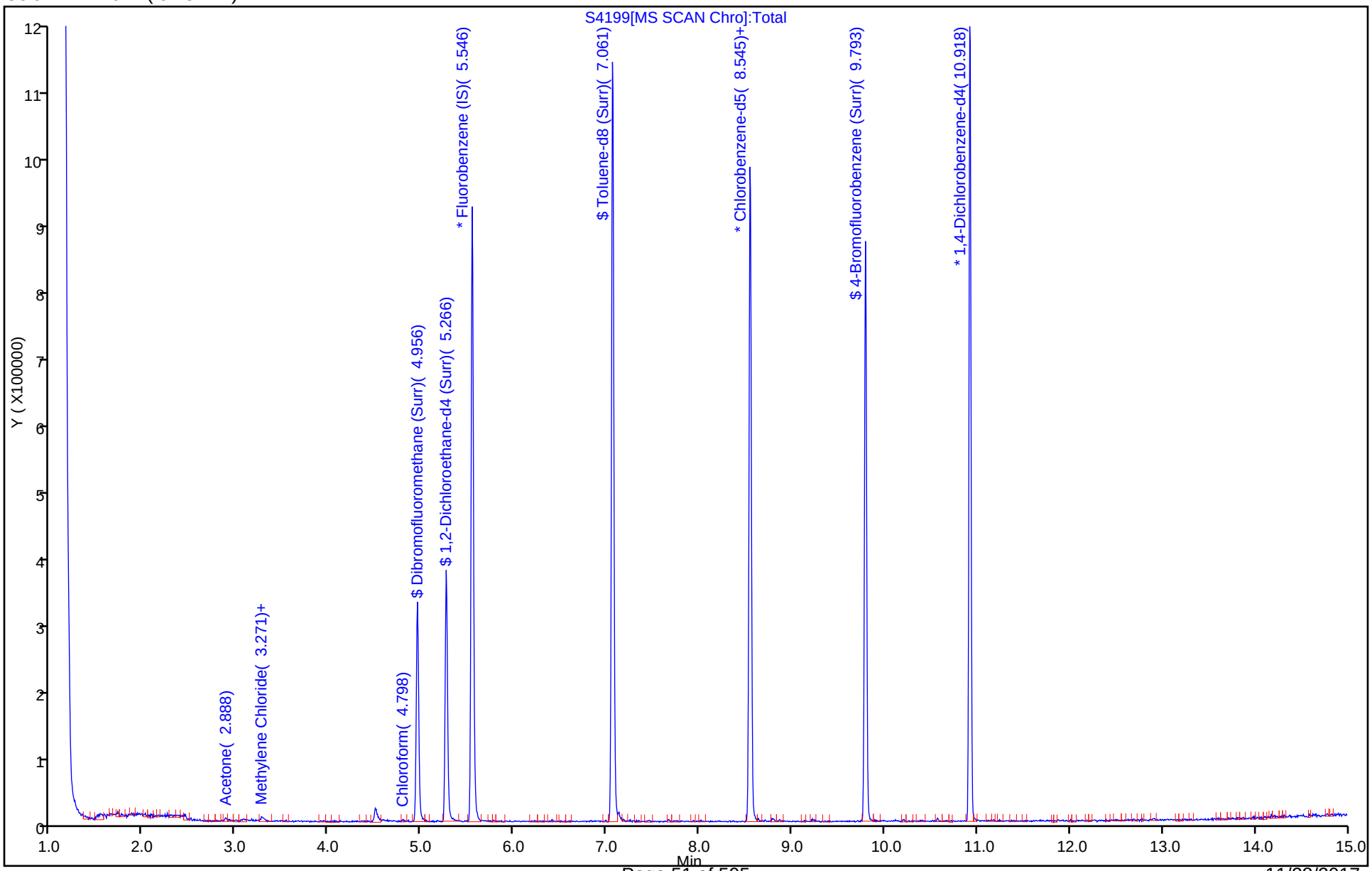
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TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S4199.D

Injection Date:	24-Nov-2017 21:33:30	Instrument ID:	HP5973S	Operator ID:	KN
Lims ID:	480-127885-C-1	Lab Sample ID:	480-127885-1	Worklist Smp#:	7
Client ID:	MW-2R				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

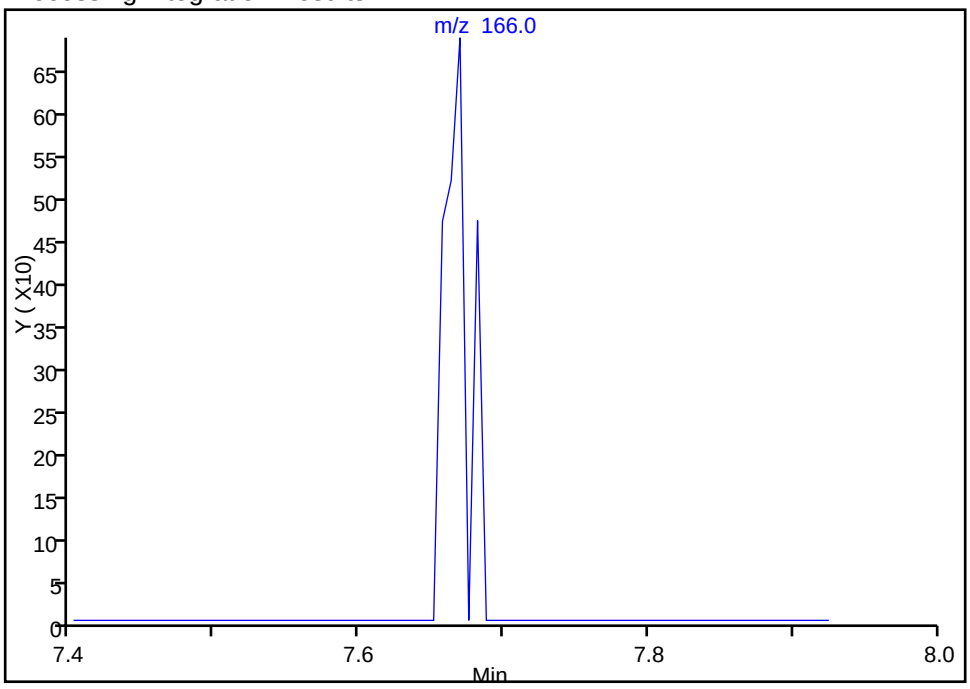
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Injection Date:	24-Nov-2017 21:33:30	Instrument ID:	HP5973S		
Lims ID:	480-127885-C-1	Lab Sample ID:	480-127885-1		
Client ID:	MW-2R				
Operator ID:	KN	ALS Bottle#:	7	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

81 Tetrachloroethene, CAS: 127-18-4

Signal: 1

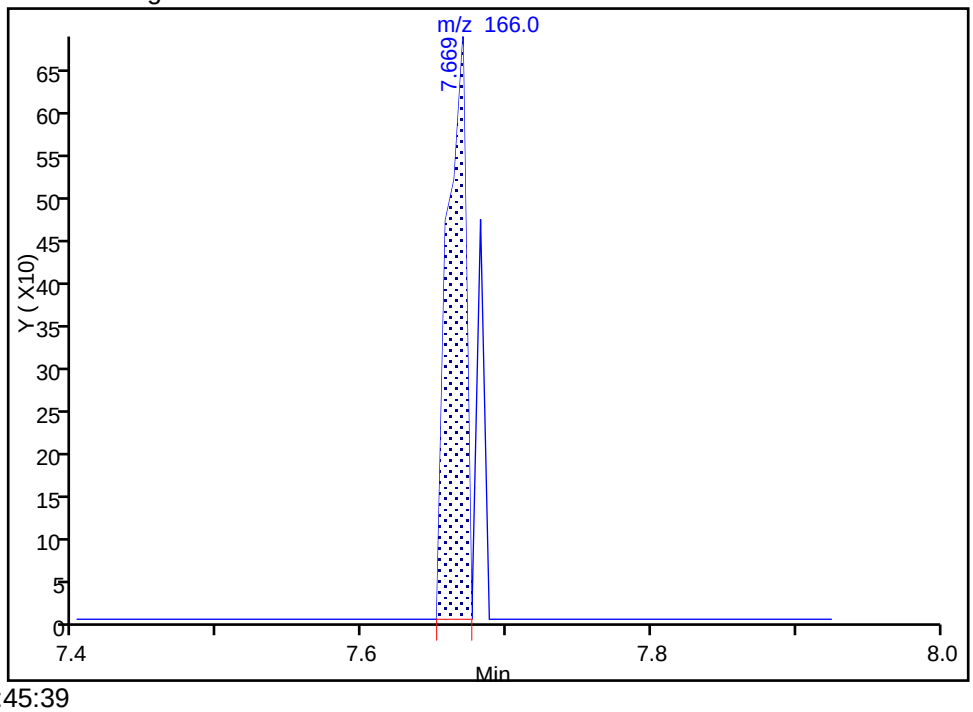
Not Detected
Expected RT: 7.66

Processing Integration Results



Manual Integration Results

RT: 7.67
Area: 607
Amount: 0.077647
Amount Units: ug/L



Reviewer: reiler, 25-Nov-2017 08:45:39
Audit Action: Assigned Compound ID Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

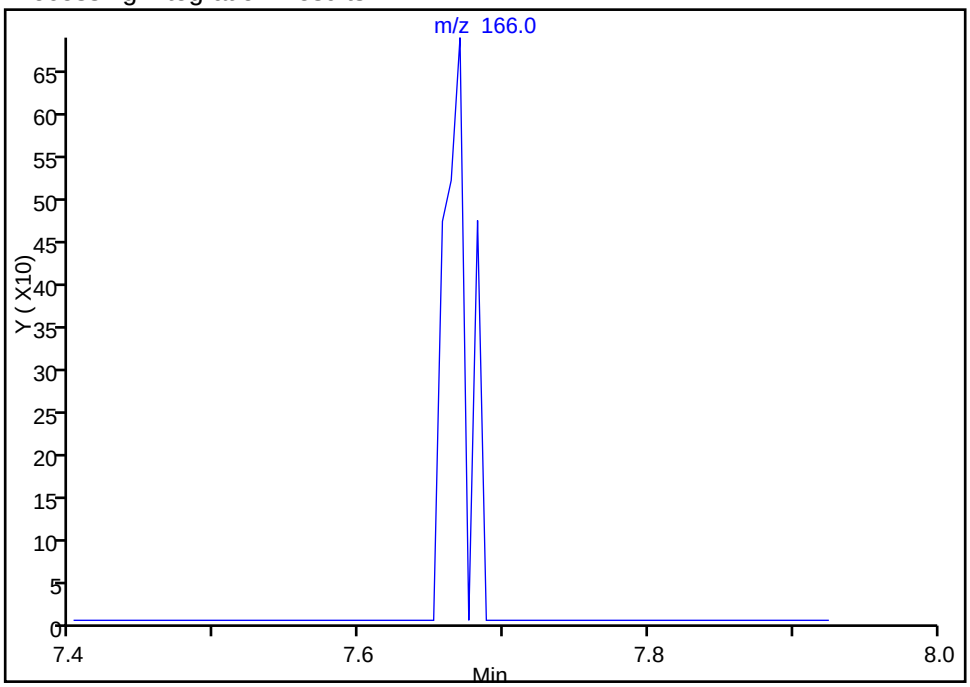
Data File:	\\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S4199.D				
Injection Date:	24-Nov-2017 21:33:30	Instrument ID:	HP5973S		
Lims ID:	480-127885-C-1	Lab Sample ID:	480-127885-1		
Client ID:	MW-2R				
Operator ID:	KN	ALS Bottle#:	7	Worklist Smp#:	7
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

81 Tetrachloroethene, CAS: 127-18-4

Signal: 1

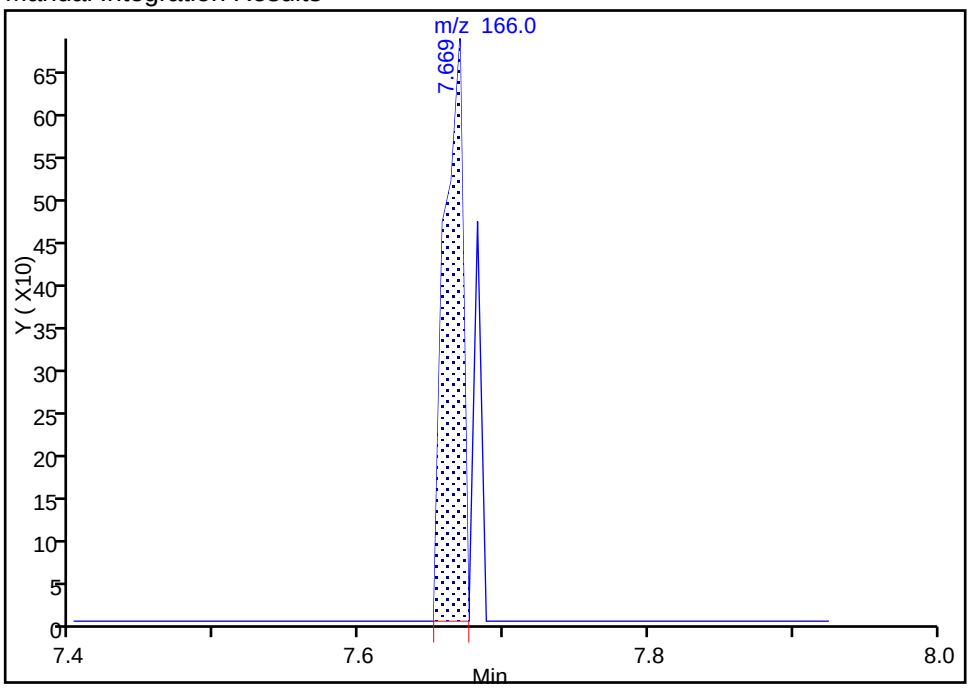
Not Detected
Expected RT: 7.66

Processing Integration Results



Manual Integration Results

RT: 7.67
Area: 607
Amount: 0.077647
Amount Units: ug/L



Reviewer: reiler, 25-Nov-2017 08:45:45
Audit Action: Manually Integrated Audit Reason: Missed Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-127885-1

SDG No.:

Client Sample ID: MW-4 | Lab Sample ID: 480-127885-2

Matrix: Water | Lab File ID: S4200.D

Analysis Method: 8260C | Date Collected: 11/21/2017 09:20

Sample wt/vol: 5(mL) | Date Analyzed: 11/24/2017 21:57

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.: 389077 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-127885-1

SDG No.:

Client Sample ID: MW-4 | Lab Sample ID: 480-127885-2

Matrix: Water | Lab File ID: S4200.D

Analysis Method: 8260C | Date Collected: 11/21/2017 09:20

Sample wt/vol: 5(mL) | Date Analyzed: 11/24/2017 21:57

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.: 389077 | Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
2037-26-5	Toluene-d8 (Surr)	101		80-120
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
1868-53-7	Dibromofluoromethane (Surr)	104		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S4200.D
Lims ID: 480-127885-C-2
Client ID: MW-4
Sample Type: Client
Inject. Date: 24-Nov-2017 21:57:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-127885-c-2
Misc. Info.: 480-0067526-008
Operator ID: KN Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Nov-2017 08:48:00 Calib Date: 06-Nov-2017 02:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3887.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: reiler Date: 25-Nov-2017 08:48:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.546	5.546	0.000	99	133465	25.0	
* 2 Chlorobenzene-d5	82	8.545	8.546	-0.001	84	281225	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.924	10.924	0.000	94	282799	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.956	4.956	0.000	59	175271	26.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.266	5.267	-0.001	0	111690	25.4	
$ 5 Toluene-d8 (Surr)	98	7.061	7.061	0.000	93	720470	25.3	
$ 6 4-Bromofluorobenzene (Surr	174	9.793	9.793	0.000	89	231926	24.5	
10 Dichlorodifluoromethane	85		1.300				ND	
12 Chloromethane	50		1.482				ND	
13 Vinyl chloride	62		1.568				ND	
14 Bromomethane	94		1.896				ND	
15 Chloroethane	64		1.993				ND	
17 Trichlorofluoromethane	101		2.225				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.736				ND	
22 1,1-Dichloroethene	96		2.754				ND	
23 Acetone	43	2.918	2.918	0.048	32	3860	1.42	M
26 Carbon disulfide	76		2.955				ND	
27 Methyl acetate	43		3.180				ND	
30 Methylene Chloride	84	3.271	3.271	-0.006	3	1356	0.1991	M
32 Methyl tert-butyl ether	73		3.496				ND	
34 trans-1,2-Dichloroethene	96		3.508				ND	
39 1,1-Dichloroethane	63		3.928				ND	
45 cis-1,2-Dichloroethene	96		4.488				ND	
43 2-Butanone (MEK)	43		4.524				ND	
50 Chloroform	83	4.792	4.792	-0.006	1	725	0.0664	7
51 1,1,1-Trichloroethane	97		4.920				ND	
52 Cyclohexane	56		4.932				ND	
55 Carbon tetrachloride	117		5.060				ND	
57 Benzene	78		5.279				ND	
58 1,2-Dichloroethane	62		5.339				ND	
62 Trichloroethene	95		5.893				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		6.015				ND	
65 1,2-Dichloropropane	63		6.124				ND	
68 Dichlorobromomethane	83		6.416				ND	
72 cis-1,3-Dichloropropene	75		6.836				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.976				ND	
74 Toluene	92		7.128				ND	
77 trans-1,3-Dichloropropene	75		7.402				ND	
79 1,1,2-Trichloroethane	83		7.590				ND	
81 Tetrachloroethene	166		7.663				ND	
80 2-Hexanone	43		7.815				ND	
83 Chlorodibromomethane	129		7.986				ND	
84 Ethylene Dibromide	107		8.095				ND	
87 Chlorobenzene	112		8.576				ND	
88 Ethylbenzene	91		8.673				ND	
90 m-Xylene & p-Xylene	106		8.789				ND	
91 o-Xylene	106		9.221				ND	
92 Styrene	104		9.245				ND	
95 Bromoform	173		9.488				ND	
94 Isopropylbenzene	105		9.604				ND	
97 1,1,2,2-Tetrachloroethane	83		9.987				ND	
111 1,3-Dichlorobenzene	146		10.857				ND	
113 1,4-Dichlorobenzene	146		10.942				ND	
116 1,2-Dichlorobenzene	146		11.295				ND	
117 1,2-Dibromo-3-Chloropropan	75		12.013				ND	
119 1,2,4-Trichlorobenzene	180		12.694				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

S_8260_IS_00272	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00230	Amount Added:	1.00	Units: uL	Run Reagent

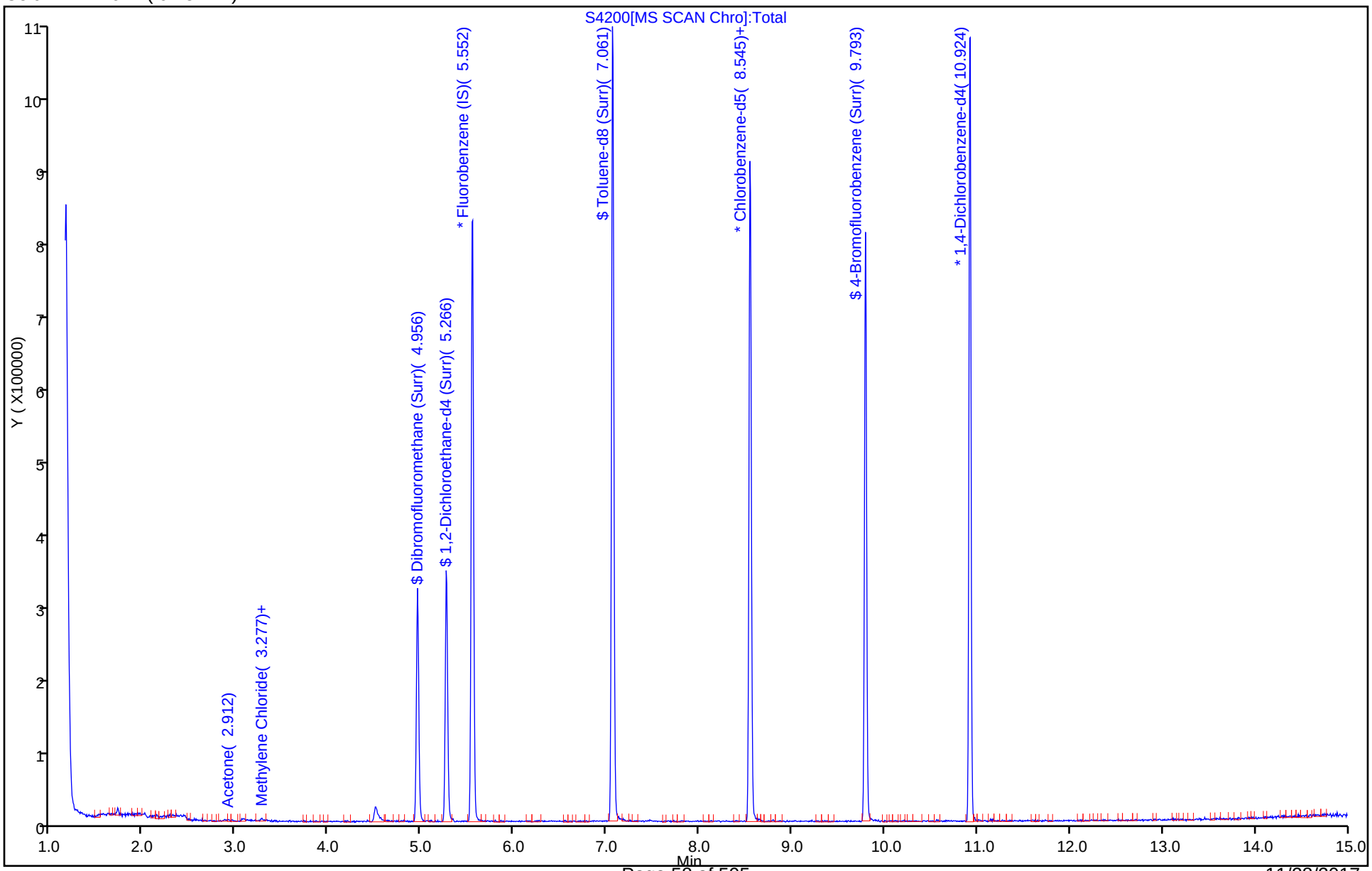
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TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S4200.D

Injection Date:	24-Nov-2017 21:57:30	Instrument ID:	HP5973S	Operator ID:	KN
Lims ID:	480-127885-C-2	Lab Sample ID:	480-127885-2	Worklist Smp#:	8
Client ID:	MW-4				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

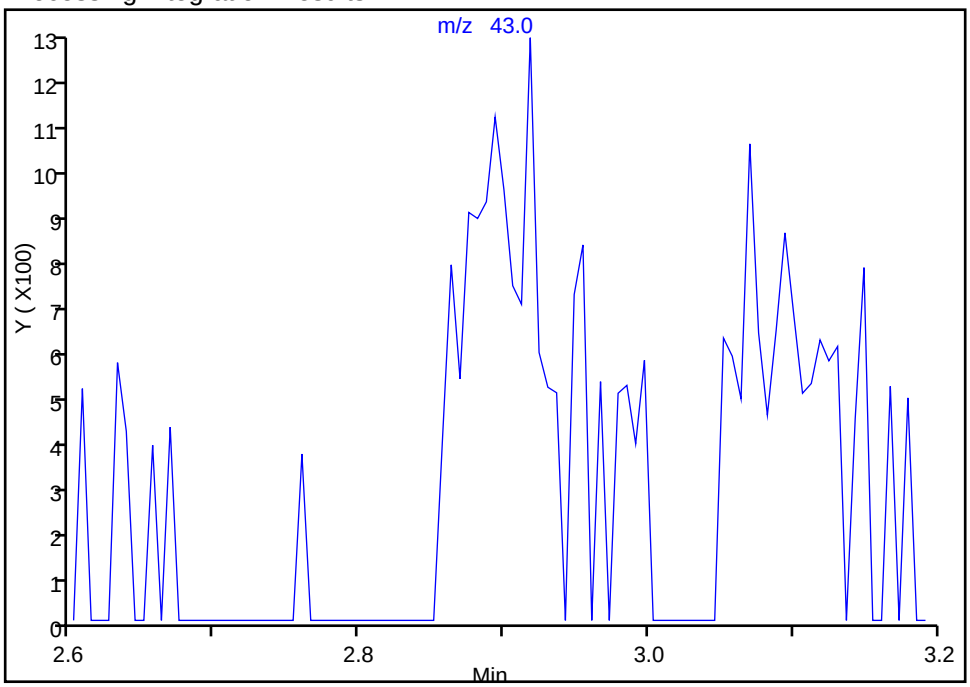
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Injection Date:	24-Nov-2017 21:57:30	Instrument ID:	HP5973S		
Lims ID:	480-127885-C-2	Lab Sample ID:	480-127885-2		
Client ID:	MW-4				
Operator ID:	KN	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

23 Acetone, CAS: 67-64-1

Signal: 1

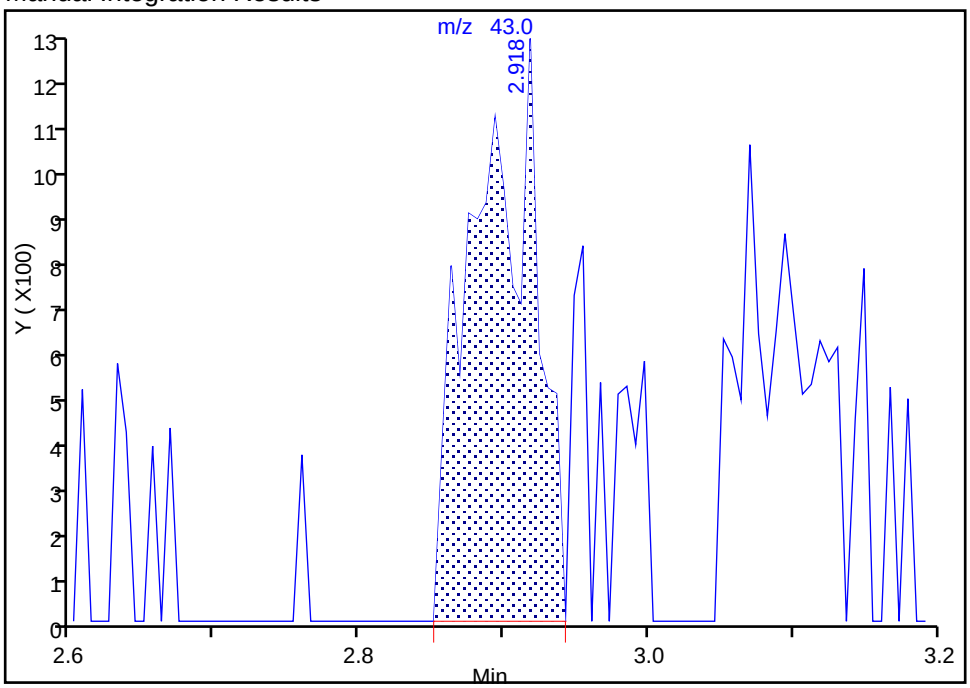
Not Detected
Expected RT: 2.87

Processing Integration Results



Manual Integration Results

RT: 2.92
Area: 3860
Amount: 1.417716
Amount Units: ug/L



Reviewer: reiler, 25-Nov-2017 08:47:10
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

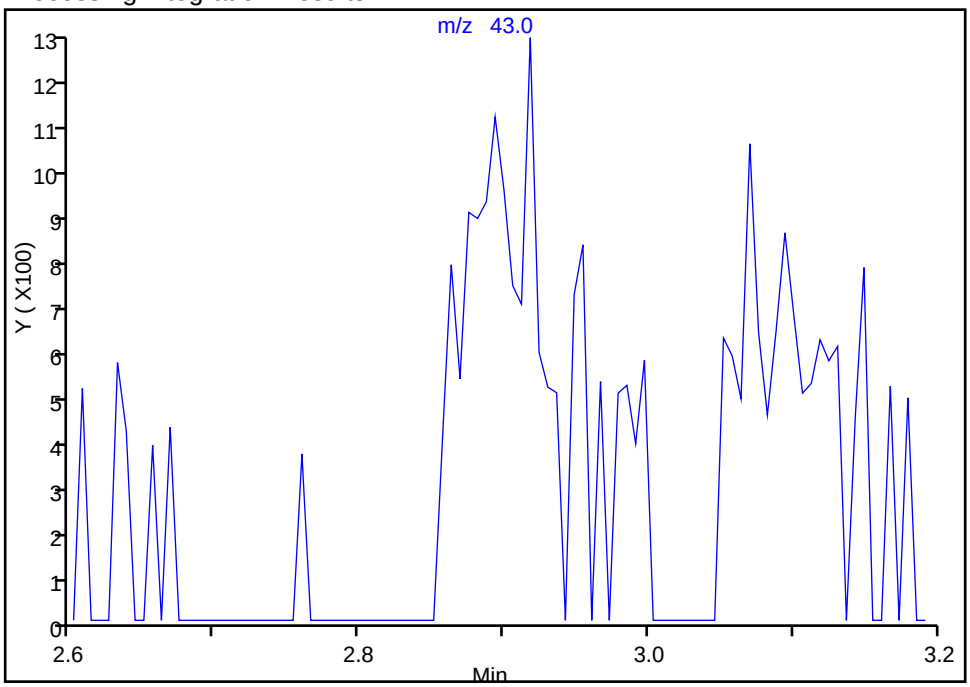
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Injection Date:	24-Nov-2017 21:57:30	Instrument ID:	HP5973S		
Lims ID:	480-127885-C-2	Lab Sample ID:	480-127885-2		
Client ID:	MW-4				
Operator ID:	KN	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

23 Acetone, CAS: 67-64-1

Signal: 1

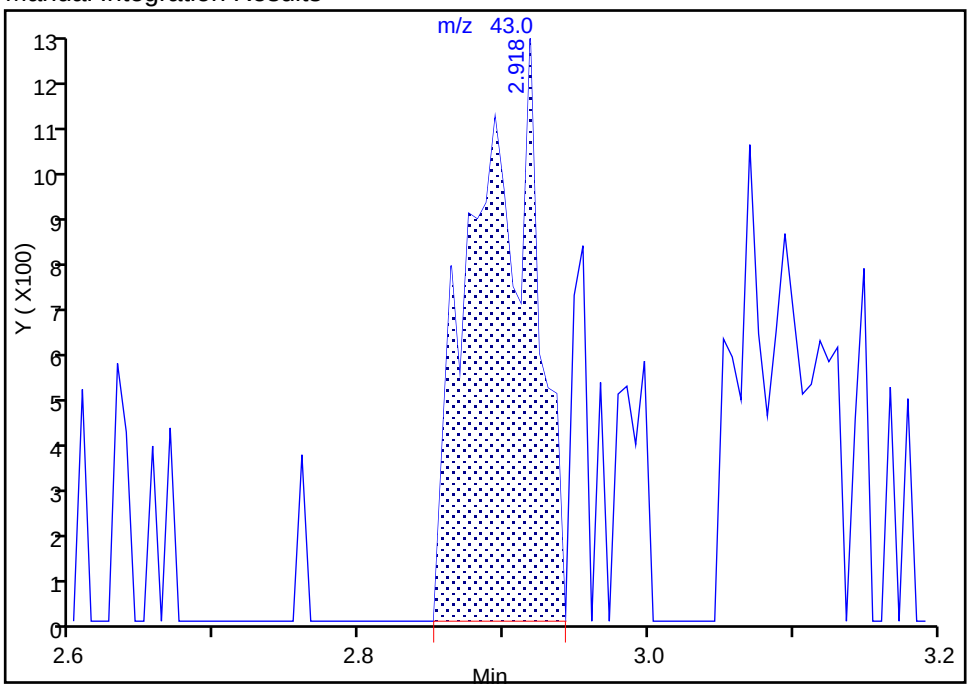
Not Detected
Expected RT: 2.87

Processing Integration Results



Manual Integration Results

RT: 2.92
Area: 3860
Amount: 1.417716
Amount Units: ug/L



Reviewer: reiler, 25-Nov-2017 08:47:18
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

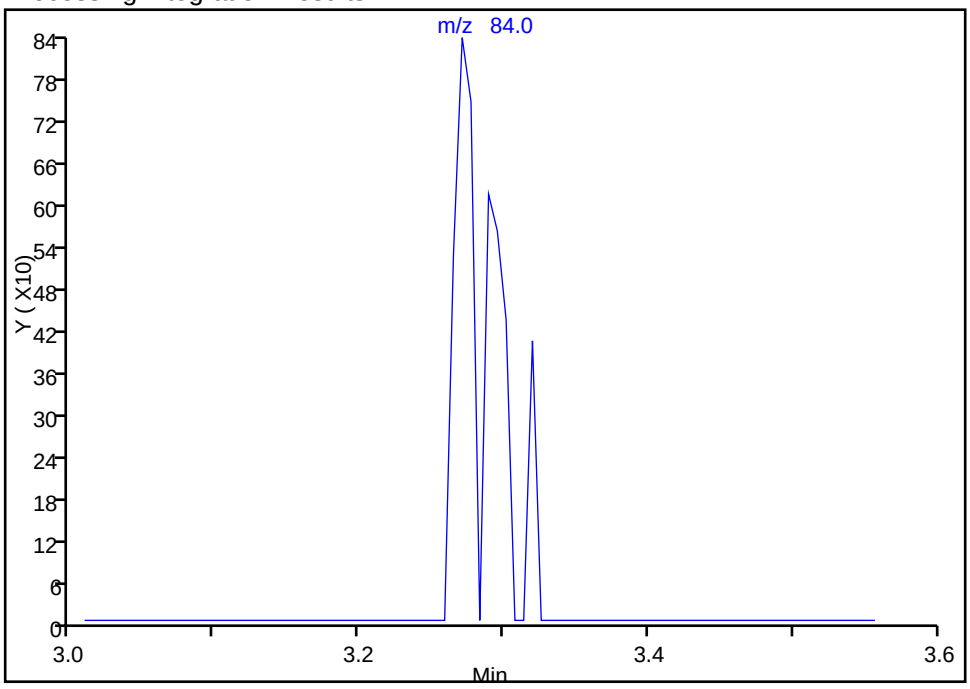
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Injection Date:	24-Nov-2017 21:57:30	Instrument ID:	HP5973S		
Lims ID:	480-127885-C-2	Lab Sample ID:	480-127885-2		
Client ID:	MW-4				
Operator ID:	KN	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

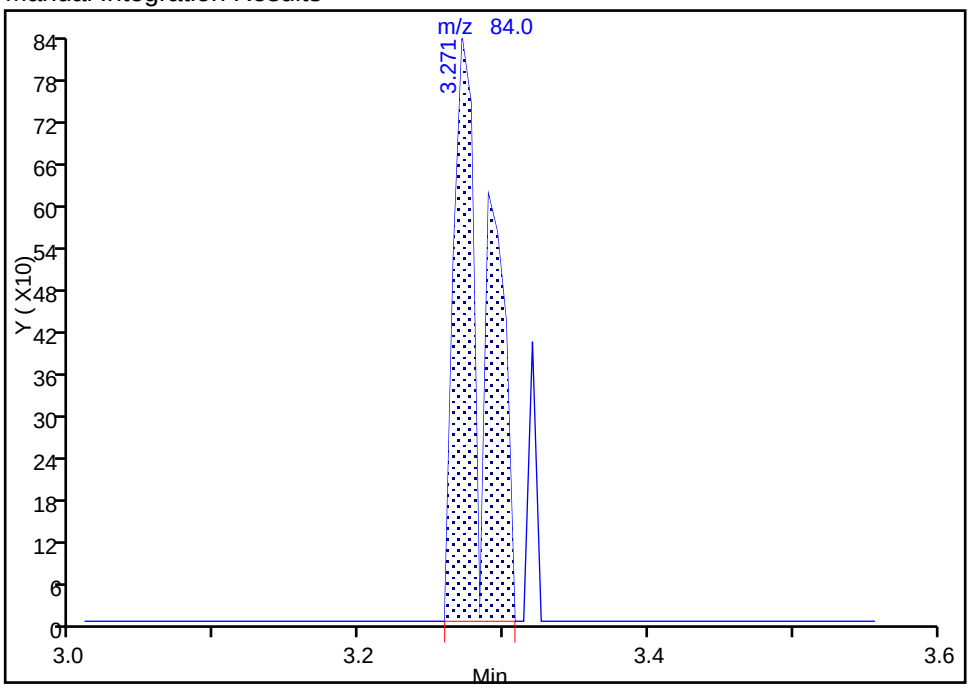
Not Detected
Expected RT: 3.28

Processing Integration Results



Manual Integration Results

RT: 3.27
Area: 1356
Amount: 0.199053
Amount Units: ug/L



Reviewer: reiler, 25-Nov-2017 08:47:23
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

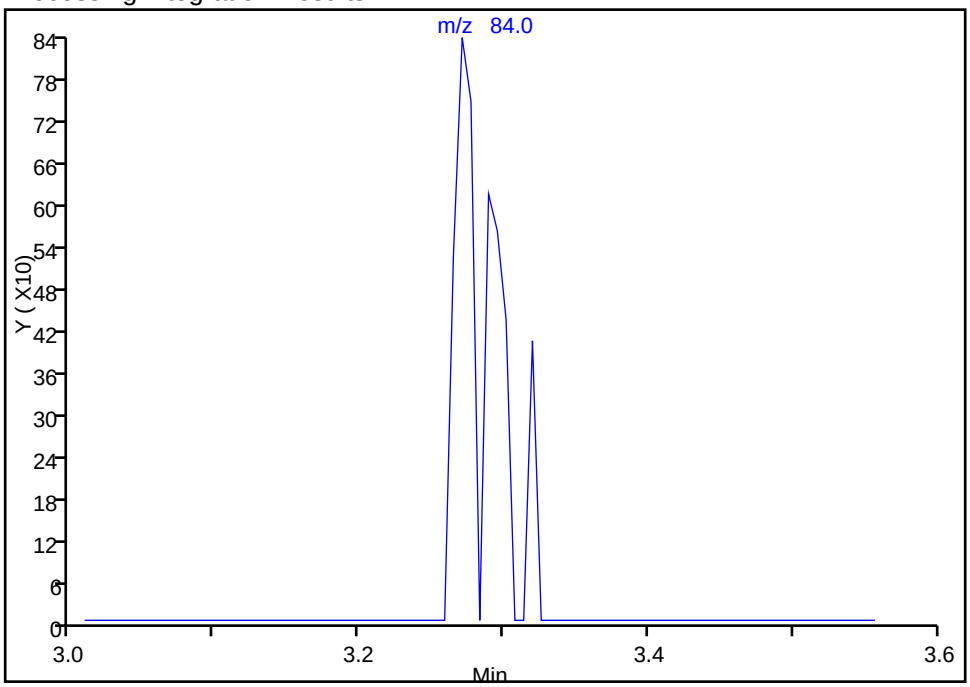
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Injection Date:	24-Nov-2017 21:57:30	Instrument ID:	HP5973S		
Lims ID:	480-127885-C-2	Lab Sample ID:	480-127885-2		
Client ID:	MW-4				
Operator ID:	KN	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

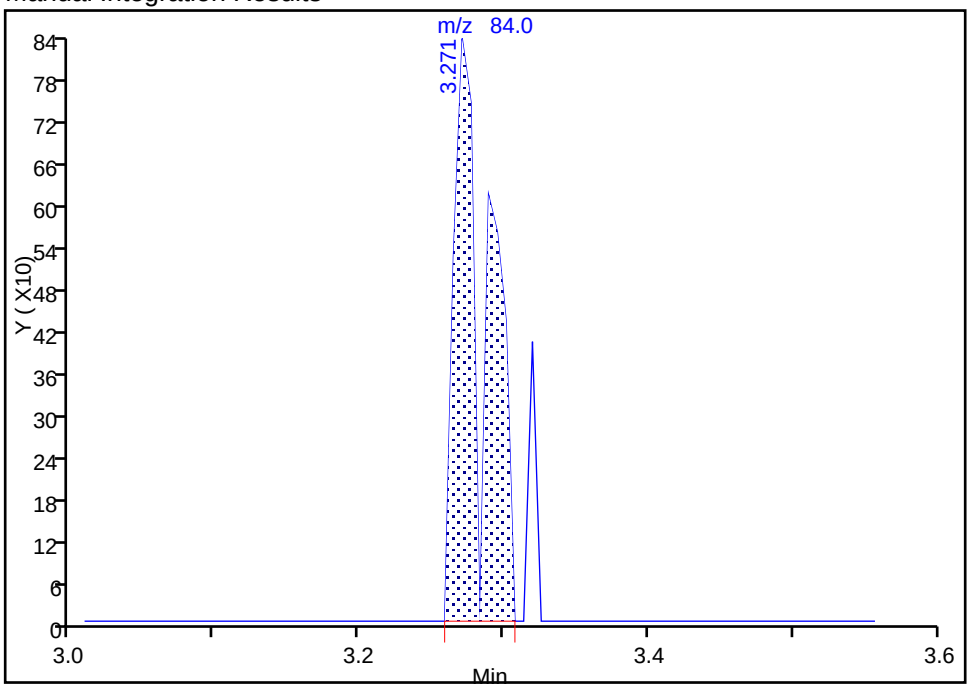
Not Detected
Expected RT: 3.28

Processing Integration Results



Manual Integration Results

RT: 3.27
Area: 1356
Amount: 0.199053
Amount Units: ug/L



Reviewer: reiler, 25-Nov-2017 08:47:36
Audit Action: Manually Integrated Audit Reason: Poor chromatography

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-127885-1

SDG No.:

Client Sample ID: MW-5R | Lab Sample ID: 480-127885-3

Matrix: Water | Lab File ID: S4201.D

Analysis Method: 8260C | Date Collected: 11/20/2017 14:00

Sample wt/vol: 5(mL) | Date Analyzed: 11/24/2017 22:20

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.: 389077 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-127885-1

SDG No.:

Client Sample ID: MW-5R | Lab Sample ID: 480-127885-3

Matrix: Water | Lab File ID: S4201.D

Analysis Method: 8260C | Date Collected: 11/20/2017 14:00

Sample wt/vol: 5(mL) | Date Analyzed: 11/24/2017 22:20

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.: 389077 | Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		77-120
2037-26-5	Toluene-d8 (Surr)	99		80-120
460-00-4	4-Bromofluorobenzene (Surr)	95		73-120
1868-53-7	Dibromofluoromethane (Surr)	96		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S4201.D
Lims ID: 480-127885-D-3
Client ID: MW-5R
Sample Type: Client
Inject. Date: 24-Nov-2017 22:20:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-127885-c-3
Misc. Info.: 480-0067526-009
Operator ID: KN Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Nov-2017 08:55:32 Calib Date: 06-Nov-2017 02:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3887.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: reiler Date: 25-Nov-2017 08:49:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.552	5.546	0.006	99	141882	25.0	
* 2 Chlorobenzene-d5	82	8.546	8.546	0.000	86	283257	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.924	10.924	0.000	95	281856	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.956	4.956	0.000	57	172659	24.1	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.266	5.267	-0.001	0	111970	23.9	
$ 5 Toluene-d8 (Surr)	98	7.061	7.061	0.000	93	707663	24.7	
$ 6 4-Bromofluorobenzene (Surr	174	9.793	9.793	0.000	90	227722	23.8	
10 Dichlorodifluoromethane	85		1.300				ND	
12 Chloromethane	50		1.482				ND	
13 Vinyl chloride	62		1.568				ND	
14 Bromomethane	94		1.896				ND	
15 Chloroethane	64		1.993				ND	
17 Trichlorofluoromethane	101		2.225				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.736				ND	
22 1,1-Dichloroethene	96		2.754				ND	
23 Acetone	43	2.888	2.870	0.018	34	4677	1.62	M
26 Carbon disulfide	76		2.955				ND	
27 Methyl acetate	43		3.180				ND	
30 Methylene Chloride	84	3.271	3.277	-0.006	34	1158	0.1599	
32 Methyl tert-butyl ether	73		3.496				ND	
34 trans-1,2-Dichloroethene	96		3.508				ND	
39 1,1-Dichloroethane	63		3.928				ND	
45 cis-1,2-Dichloroethene	96		4.488				ND	
43 2-Butanone (MEK)	43		4.524				ND	
50 Chloroform	83		4.798				ND	
51 1,1,1-Trichloroethane	97		4.920				ND	
52 Cyclohexane	56		4.932				ND	
55 Carbon tetrachloride	117		5.060				ND	
57 Benzene	78		5.279				ND	
58 1,2-Dichloroethane	62		5.339				ND	
62 Trichloroethene	95		5.893				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		6.015				ND	
65 1,2-Dichloropropane	63		6.124				ND	
68 Dichlorobromomethane	83		6.416				ND	
72 cis-1,3-Dichloropropene	75		6.836				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.976				ND	
74 Toluene	92	7.134	7.128	0.006	30	1215	0.0688	7
77 trans-1,3-Dichloropropene	75		7.402				ND	
79 1,1,2-Trichloroethane	83		7.590				ND	
81 Tetrachloroethene	166		7.663				ND	
80 2-Hexanone	43		7.815				ND	
83 Chlorodibromomethane	129		7.986				ND	
84 Ethylene Dibromide	107		8.095				ND	
87 Chlorobenzene	112		8.576				ND	
88 Ethylbenzene	91		8.673				ND	
90 m-Xylene & p-Xylene	106	8.795	8.789	0.006	0	1563	0.1220	
91 o-Xylene	106	9.227	9.221	0.006	1	745	0.0595	7M
92 Styrene	104		9.245				ND	
95 Bromoform	173		9.488				ND	
94 Isopropylbenzene	105		9.604				ND	
97 1,1,2,2-Tetrachloroethane	83		9.987				ND	
111 1,3-Dichlorobenzene	146		10.857				ND	
113 1,4-Dichlorobenzene	146		10.942				ND	
116 1,2-Dichlorobenzene	146		11.295				ND	
117 1,2-Dibromo-3-Chloropropan	75		12.013				ND	
119 1,2,4-Trichlorobenzene	180		12.694				ND	
S 124 Xylenes, Total	1				0		0.1815	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

S_8260_IS_00272	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00230	Amount Added:	1.00	Units: uL	Run Reagent

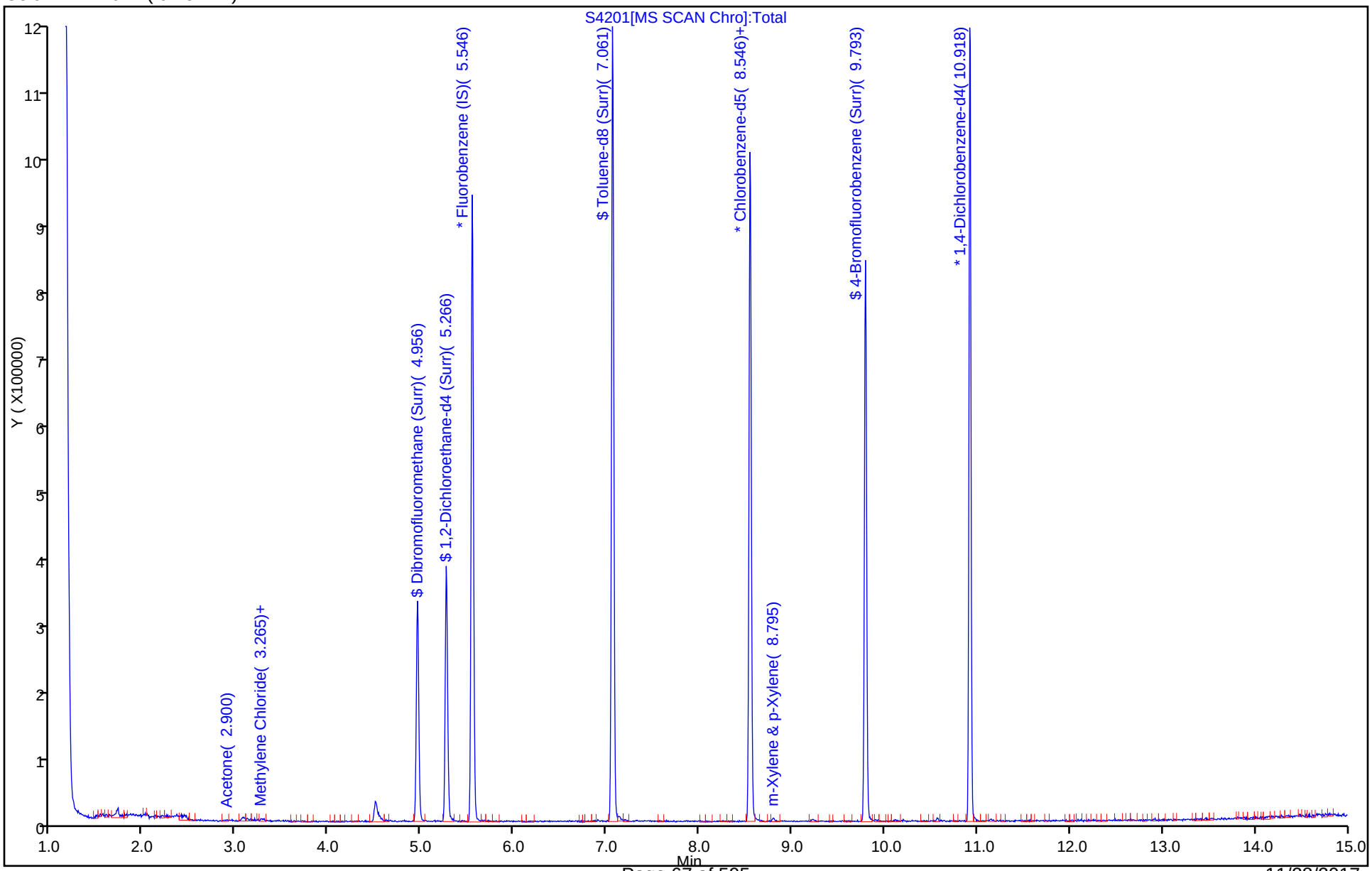
Report Date: 25-Nov-2017 08:57:21 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S4201.D

Injection Date:	24-Nov-2017 22:20:30	Instrument ID:	HP5973S	Operator ID:	KN
Lims ID:	480-127885-D-3	Lab Sample ID:	480-127885-3	Worklist Smp#:	9
Client ID:	MW-5R				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

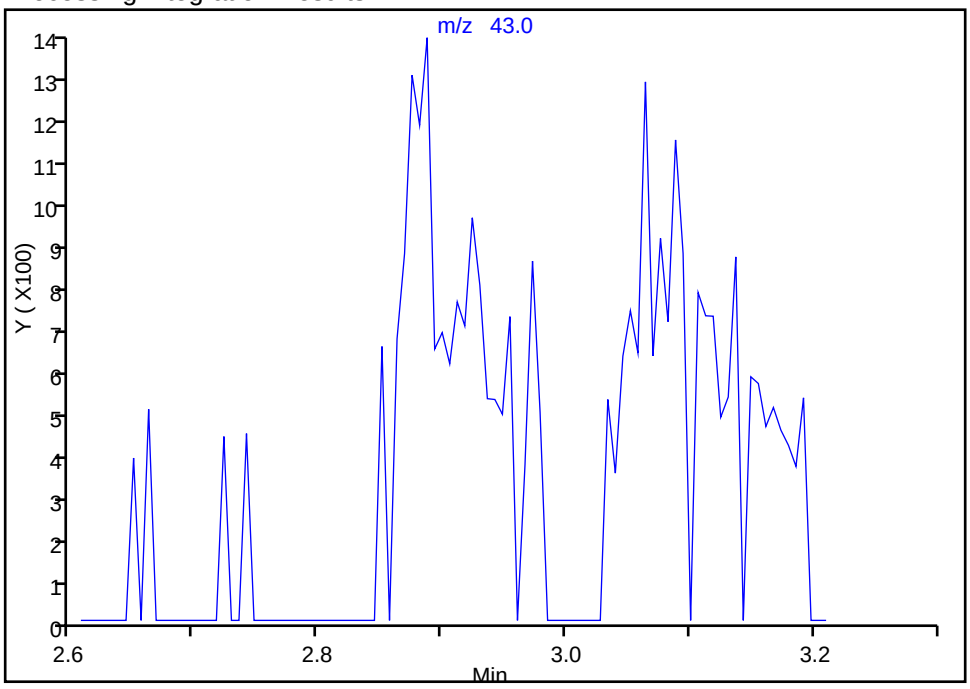
Data File:	\\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S4201.D				
Injection Date:	24-Nov-2017 22:20:30	Instrument ID:	HP5973S		
Lims ID:	480-127885-D-3	Lab Sample ID:	480-127885-3		
Client ID:	MW-5R				
Operator ID:	KN	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

23 Acetone, CAS: 67-64-1

Signal: 1

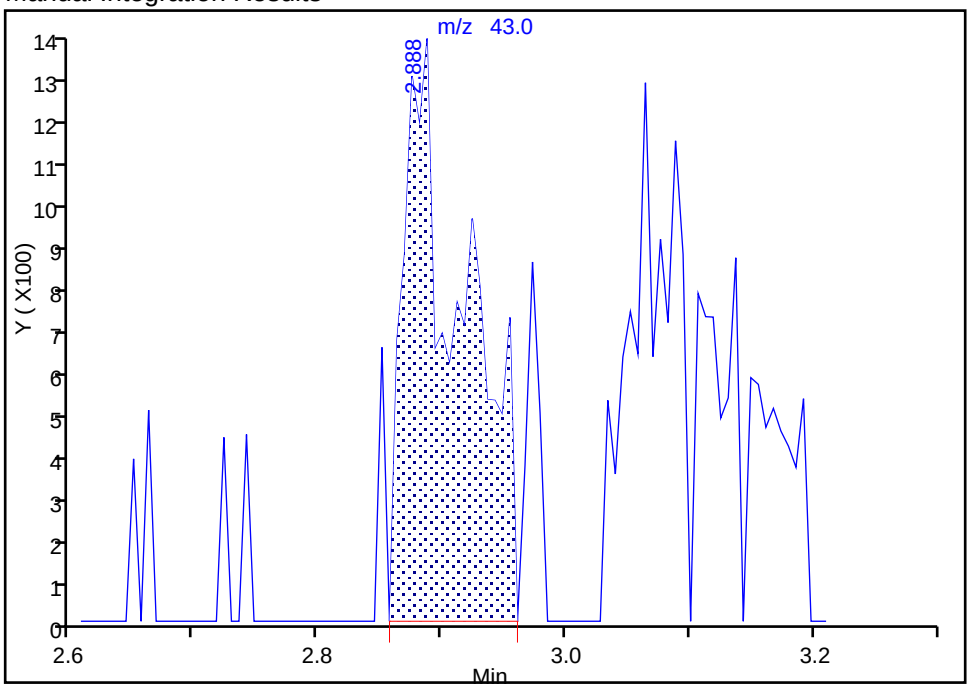
Not Detected
Expected RT: 2.87

Processing Integration Results



Manual Integration Results

RT: 2.89
Area: 4677
Amount: 1.615881
Amount Units: ug/L



Reviewer: reiler, 25-Nov-2017 08:48:12
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

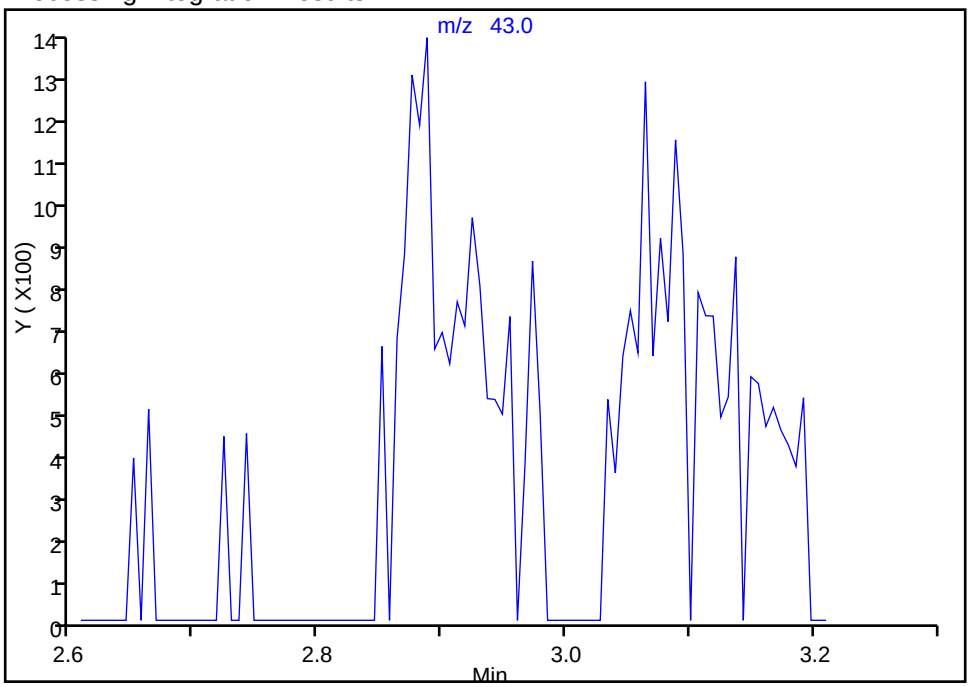
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Injection Date:	24-Nov-2017 22:20:30	Instrument ID:	HP5973S		
Lims ID:	480-127885-D-3	Lab Sample ID:	480-127885-3		
Client ID:	MW-5R				
Operator ID:	KN	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

23 Acetone, CAS: 67-64-1

Signal: 1

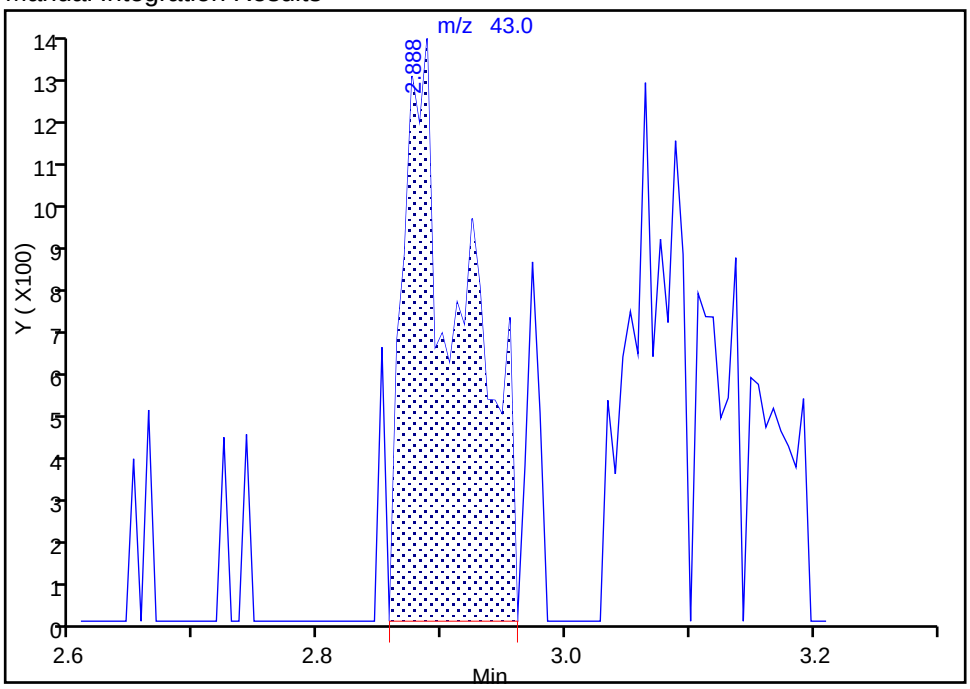
Not Detected
Expected RT: 2.87

Processing Integration Results



Manual Integration Results

RT: 2.89
Area: 4677
Amount: 1.615881
Amount Units: ug/L



Reviewer: reiler, 25-Nov-2017 08:48:24
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

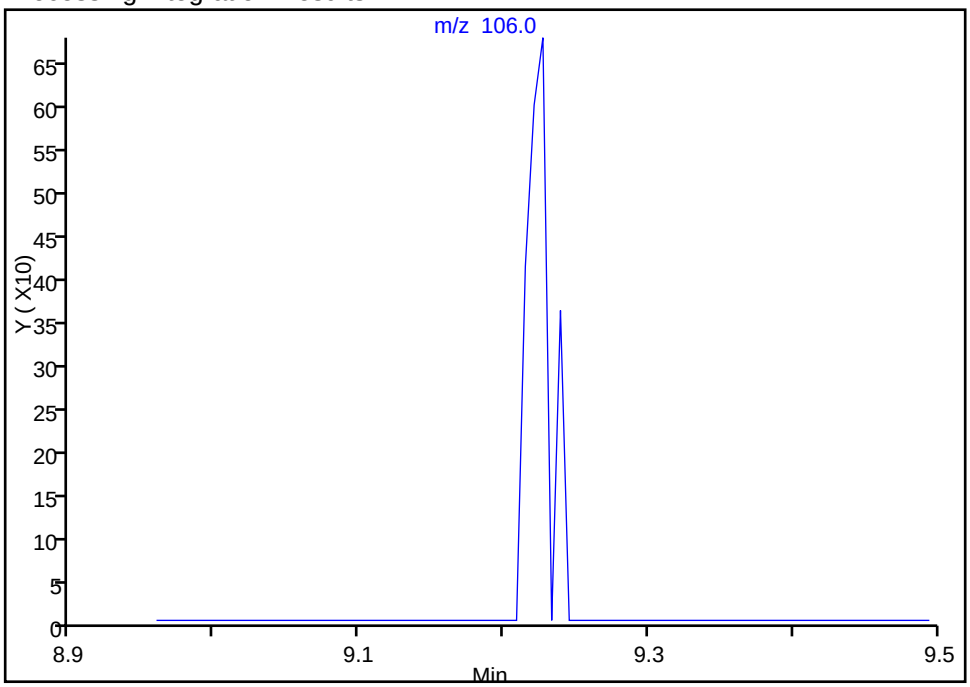
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Lims ID:	480-127885-D-3	Lab Sample ID:	480-127885-3		
Client ID:	MW-5R				
Operator ID:	KN	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

91 o-Xylene, CAS: 95-47-6

Signal: 1

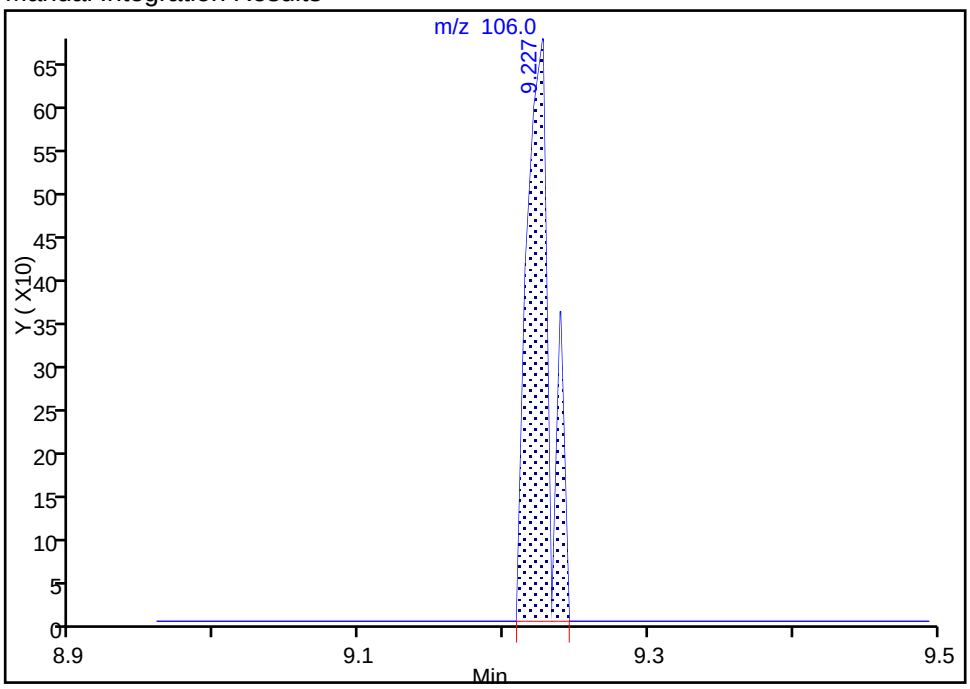
Not Detected
Expected RT: 9.22

Processing Integration Results



Manual Integration Results

RT: 9.23
Area: 745
Amount: 0.059459
Amount Units: ug/L



Reviewer: reiler, 25-Nov-2017 08:49:33
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

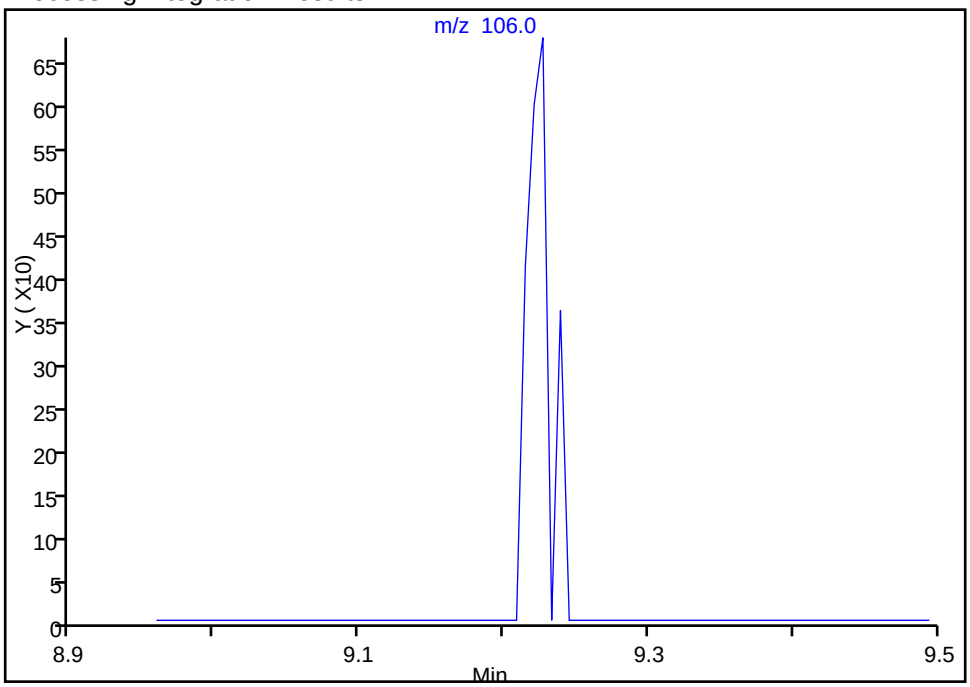
Data File:	\\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S4201.D				
Injection Date:	24-Nov-2017 22:20:30	Instrument ID:	HP5973S		
Lims ID:	480-127885-D-3	Lab Sample ID:	480-127885-3		
Client ID:	MW-5R				
Operator ID:	KN	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

91 o-Xylene, CAS: 95-47-6

Signal: 1

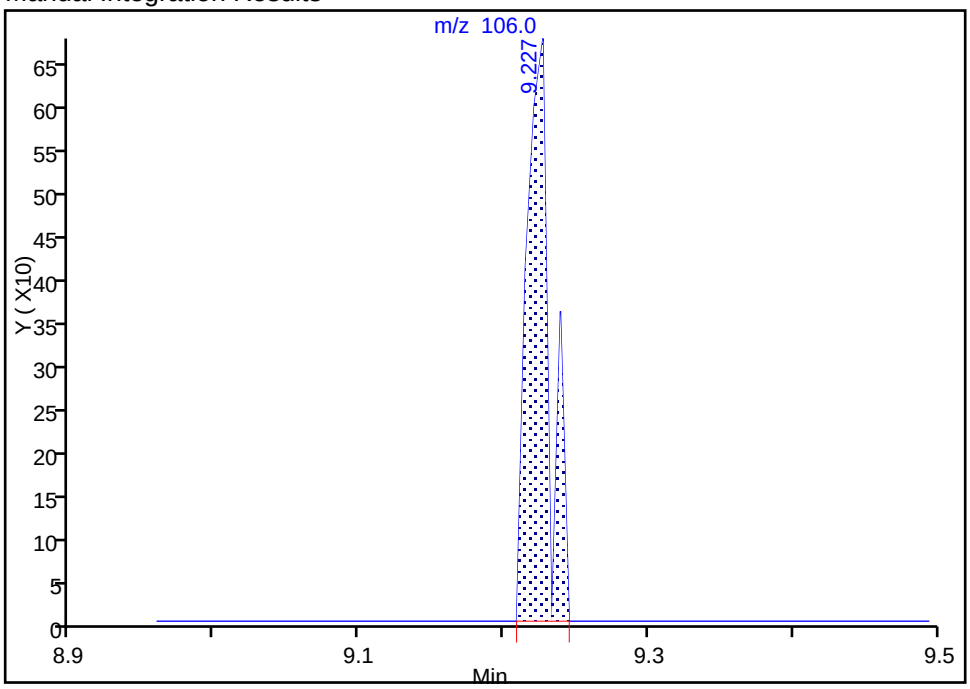
Not Detected
Expected RT: 9.22

Processing Integration Results



Manual Integration Results

RT: 9.23
Area: 745
Amount: 0.059459
Amount Units: ug/L



Reviewer: reiler, 25-Nov-2017 08:49:38
Audit Action: Manually Integrated Audit Reason: Missed Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-127885-1

SDG No.:

Client Sample ID: MW-6 | Lab Sample ID: 480-127885-4

Matrix: Water | Lab File ID: S4202.D

Analysis Method: 8260C | Date Collected: 11/21/2017 11:05

Sample wt/vol: 5(mL) | Date Analyzed: 11/24/2017 22:43

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.: 389077 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-127885-1

SDG No.:

Client Sample ID: MW-6 | Lab Sample ID: 480-127885-4

Matrix: Water | Lab File ID: S4202.D

Analysis Method: 8260C | Date Collected: 11/21/2017 11:05

Sample wt/vol: 5(mL) | Date Analyzed: 11/24/2017 22:43

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.: 389077 | Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		77-120
2037-26-5	Toluene-d8 (Surr)	99		80-120
460-00-4	4-Bromofluorobenzene (Surr)	95		73-120
1868-53-7	Dibromofluoromethane (Surr)	99		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S4202.D
Lims ID: 480-127885-C-4
Client ID: MW-6
Sample Type: Client
Inject. Date: 24-Nov-2017 22:43:30 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-127885-c-4
Misc. Info.: 480-0067526-010
Operator ID: KN Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Nov-2017 08:54:20 Calib Date: 06-Nov-2017 02:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3887.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: reiler Date: 25-Nov-2017 08:51:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.546	5.546	0.000	98	139304	25.0	
* 2 Chlorobenzene-d5	82	8.545	8.546	-0.001	85	280103	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.924	10.924	0.000	95	278006	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.956	4.956	0.000	66	174990	24.8	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.266	5.267	-0.001	0	112157	24.4	
$ 5 Toluene-d8 (Surr)	98	7.061	7.061	0.000	94	704069	24.8	
$ 6 4-Bromofluorobenzene (Surr	174	9.793	9.793	0.000	89	224241	23.7	
10 Dichlorodifluoromethane	85		1.300				ND	
12 Chloromethane	50		1.482				ND	
13 Vinyl chloride	62		1.568				ND	
14 Bromomethane	94		1.896				ND	
15 Chloroethane	64		1.993				ND	
17 Trichlorofluoromethane	101		2.225				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.736				ND	
22 1,1-Dichloroethene	96		2.754				ND	
23 Acetone	43	2.894	2.870	0.024	33	3947	1.39	
26 Carbon disulfide	76		2.955				ND	
27 Methyl acetate	43		3.180				ND	
30 Methylene Chloride	84	3.277	3.277	0.000	28	1028	0.1446	
32 Methyl tert-butyl ether	73	3.502	3.496	0.006	1	1390	0.0643	7M
34 trans-1,2-Dichloroethene	96		3.508				ND	
39 1,1-Dichloroethane	63		3.928				ND	
45 cis-1,2-Dichloroethene	96		4.488				ND	
43 2-Butanone (MEK)	43		4.524				ND	
50 Chloroform	83		4.798				ND	
51 1,1,1-Trichloroethane	97		4.920				ND	
52 Cyclohexane	56		4.932				ND	
55 Carbon tetrachloride	117		5.060				ND	
57 Benzene	78		5.279				ND	
58 1,2-Dichloroethane	62		5.339				ND	M
62 Trichloroethene	95		5.893				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		6.015				ND	
65 1,2-Dichloropropane	63		6.124				ND	
68 Dichlorobromomethane	83		6.416				ND	
72 cis-1,3-Dichloropropene	75		6.836				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.976				ND	
74 Toluene	92		7.128				ND	M
77 trans-1,3-Dichloropropene	75		7.402				ND	
79 1,1,2-Trichloroethane	83		7.590				ND	
81 Tetrachloroethene	166		7.663				ND	
80 2-Hexanone	43		7.815				ND	
83 Chlorodibromomethane	129		7.986				ND	
84 Ethylene Dibromide	107		8.095				ND	
87 Chlorobenzene	112		8.576				ND	
88 Ethylbenzene	91		8.673				ND	
90 m-Xylene & p-Xylene	106		8.789				ND	
91 o-Xylene	106		9.221				ND	
92 Styrene	104		9.245				ND	
95 Bromoform	173		9.488				ND	
94 Isopropylbenzene	105		9.604				ND	
97 1,1,2,2-Tetrachloroethane	83		9.987				ND	
111 1,3-Dichlorobenzene	146		10.857				ND	
113 1,4-Dichlorobenzene	146		10.942				ND	
116 1,2-Dichlorobenzene	146		11.295				ND	
117 1,2-Dibromo-3-Chloropropan	75		12.013				ND	
119 1,2,4-Trichlorobenzene	180		12.694				ND	
S 124 Xylenes, Total	1		30.000				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

S_8260_IS_00272	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00230	Amount Added:	1.00	Units: uL	Run Reagent

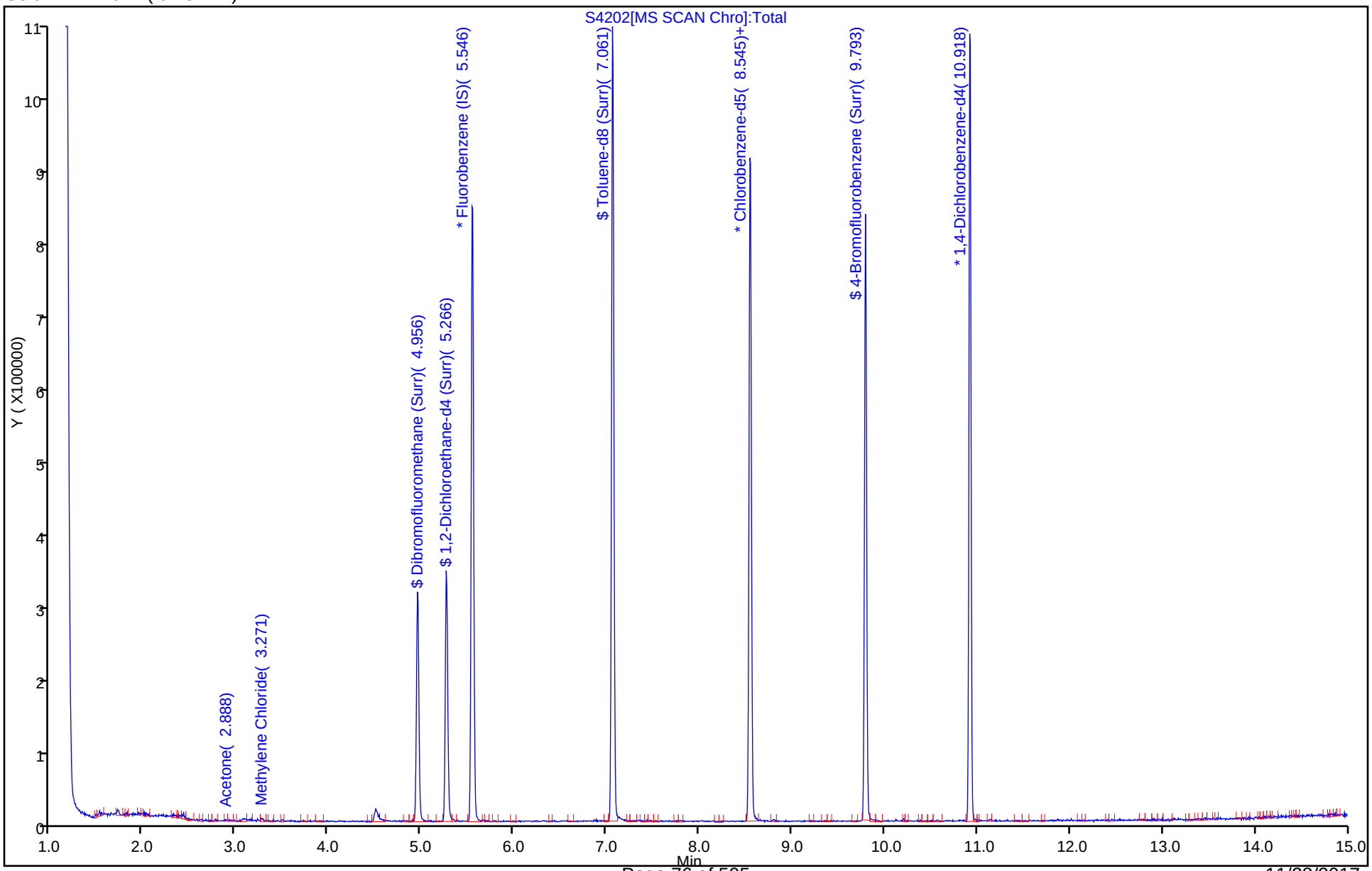
Report Date: 25-Nov-2017 08:54:34 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S4202.D

Injection Date:	24-Nov-2017 22:43:30	Instrument ID:	HP5973S	Operator ID:	KN
Lims ID:	480-127885-C-4	Lab Sample ID:	480-127885-4	Worklist Smp#:	10
Client ID:	MW-6				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

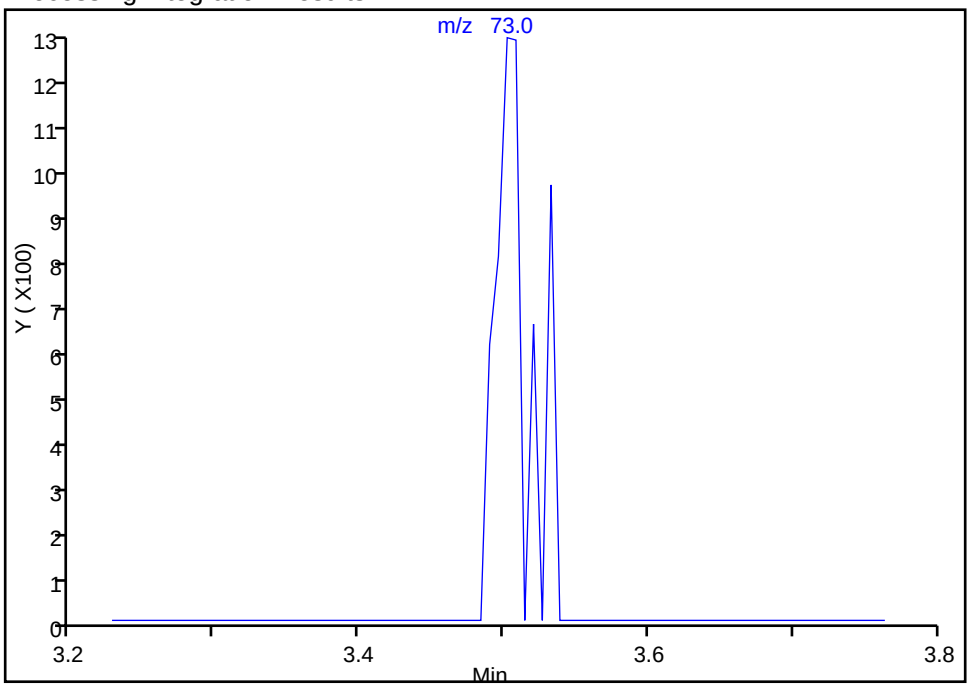
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Injection Date:	24-Nov-2017 22:43:30	Instrument ID:	HP5973S		
Lims ID:	480-127885-C-4	Lab Sample ID:	480-127885-4		
Client ID:	MW-6				
Operator ID:	KN	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

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

Signal: 1

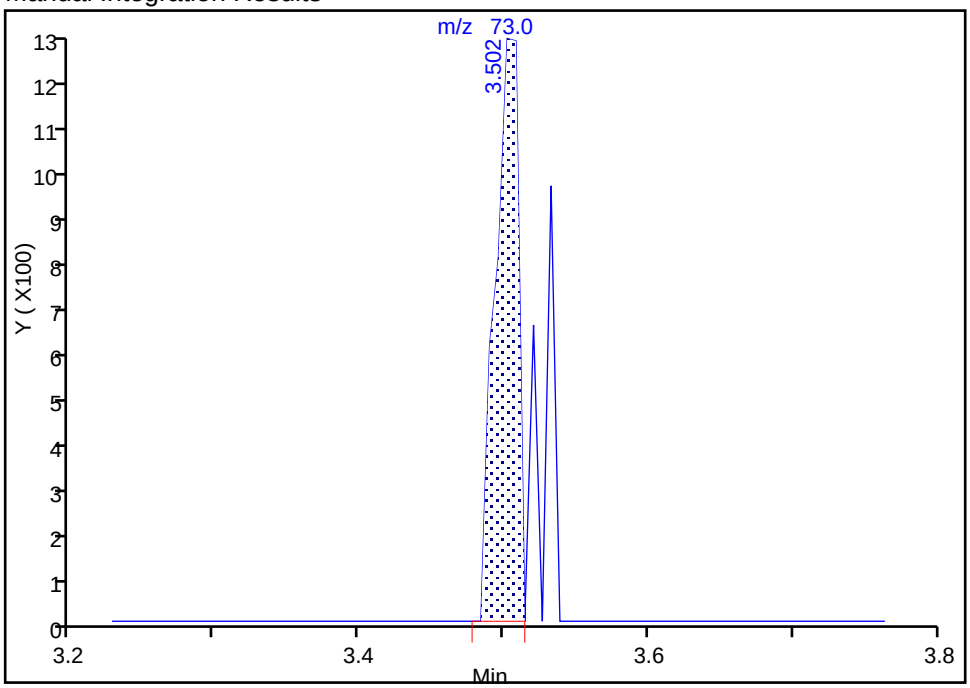
Not Detected
Expected RT: 3.50

Processing Integration Results



Manual Integration Results

RT: 3.50
Area: 1390
Amount: 0.064284
Amount Units: ug/L



Reviewer: reiler, 25-Nov-2017 08:50:39
Audit Action: Assigned Compound ID Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

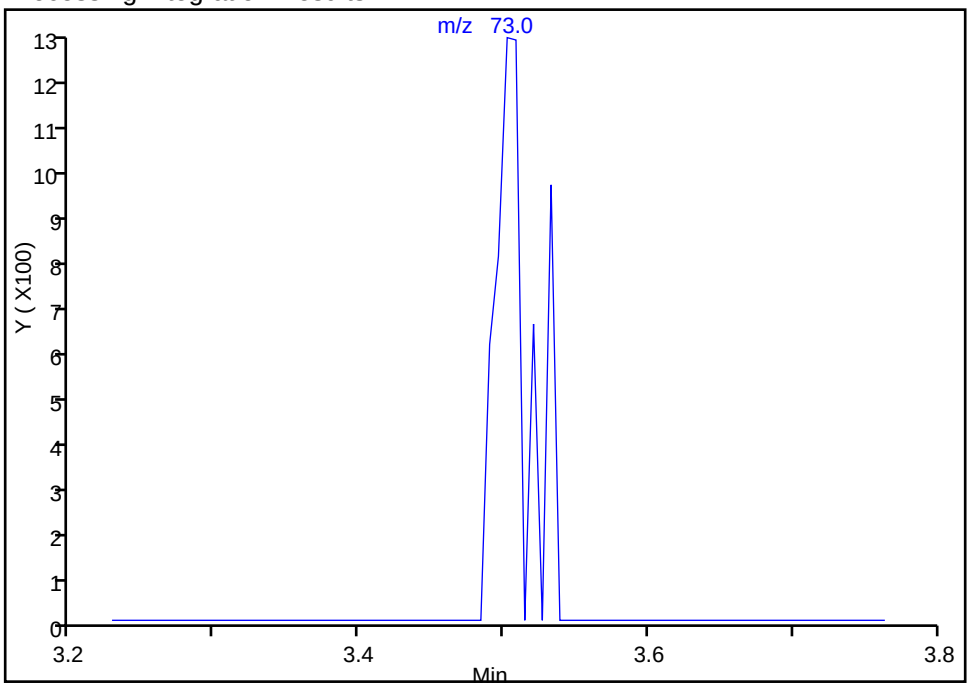
Data File:	\\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S4202.D				
Injection Date:	24-Nov-2017 22:43:30	Instrument ID:	HP5973S		
Lims ID:	480-127885-C-4	Lab Sample ID:	480-127885-4		
Client ID:	MW-6				
Operator ID:	KN	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

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

Signal: 1

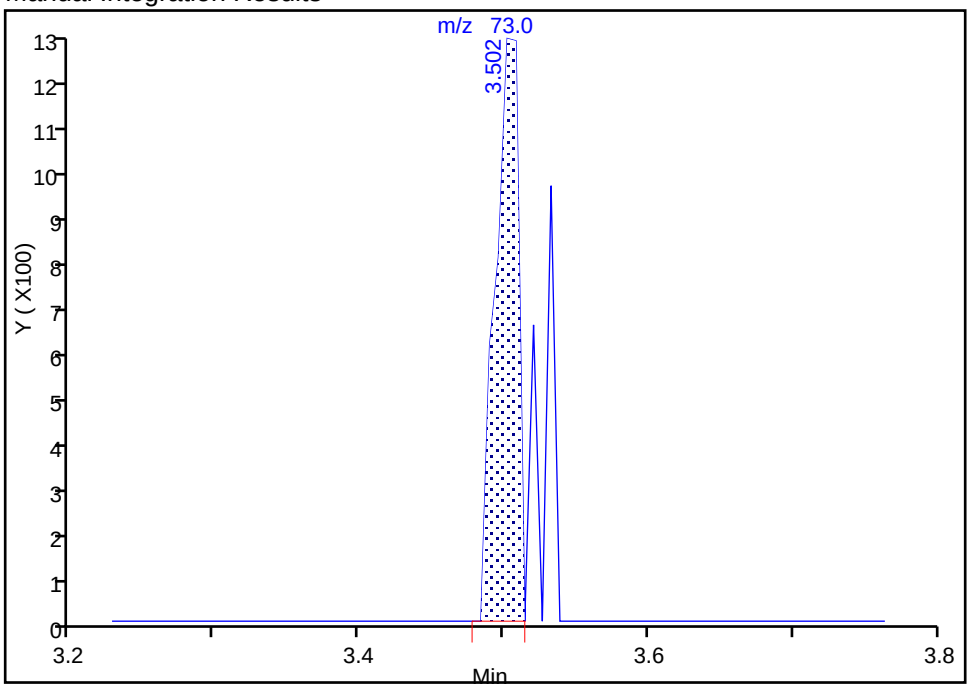
Not Detected
Expected RT: 3.50

Processing Integration Results



Manual Integration Results

RT: 3.50
Area: 1390
Amount: 0.064284
Amount Units: ug/L



Reviewer: reiler, 25-Nov-2017 08:50:46
Audit Action: Manually Integrated Audit Reason: Missed Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-127885-1

SDG No.:

Client Sample ID: MW-7 | Lab Sample ID: 480-127885-5

Matrix: Water | Lab File ID: S4203.D

Analysis Method: 8260C | Date Collected: 11/20/2017 11:50

Sample wt/vol: 5(mL) | Date Analyzed: 11/24/2017 23:06

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.: 389077 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-127885-1

SDG No.:

Client Sample ID: MW-7 | Lab Sample ID: 480-127885-5

Matrix: Water | Lab File ID: S4203.D

Analysis Method: 8260C | Date Collected: 11/20/2017 11:50

Sample wt/vol: 5(mL) | Date Analyzed: 11/24/2017 23:06

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.: 389077 | Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		77-120
2037-26-5	Toluene-d8 (Surr)	98		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
1868-53-7	Dibromofluoromethane (Surr)	98		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S4203.D
Lims ID: 480-127885-C-5
Client ID: MW-7
Sample Type: Client
Inject. Date: 24-Nov-2017 23:06:30 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-127885-c-5
Misc. Info.: 480-0067526-011
Operator ID: KN Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Nov-2017 08:53:43 Calib Date: 06-Nov-2017 02:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3887.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: reiler Date: 25-Nov-2017 08:53:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.546	5.546	0.000	99	137088	25.0	
* 2 Chlorobenzene-d5	82	8.545	8.546	-0.001	83	282200	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.924	10.924	0.000	95	278040	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.956	4.956	0.000	65	170650	24.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.272	5.267	0.005	0	108516	24.0	
$ 5 Toluene-d8 (Surr)	98	7.067	7.061	0.006	94	699640	24.5	
$ 6 4-Bromofluorobenzene (Surr	174	9.793	9.793	0.000	88	230313	24.2	
10 Dichlorodifluoromethane	85		1.300				ND	
12 Chloromethane	50	1.501	1.501	0.019	1	1449	0.1661	M
13 Vinyl chloride	62		1.568				ND	
14 Bromomethane	94		1.896				ND	
15 Chloroethane	64		1.993				ND	
17 Trichlorofluoromethane	101		2.225				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.736				ND	
22 1,1-Dichloroethene	96		2.754				ND	
23 Acetone	43	2.918	2.918	0.048	42	4563	1.63	M
26 Carbon disulfide	76		2.955				ND	
27 Methyl acetate	43		3.180				ND	
30 Methylene Chloride	84	3.271	3.277	-0.006	1	1654	0.2364	
32 Methyl tert-butyl ether	73		3.496				ND	
34 trans-1,2-Dichloroethene	96		3.508				ND	
39 1,1-Dichloroethane	63		3.928				ND	
45 cis-1,2-Dichloroethene	96		4.488				ND	
43 2-Butanone (MEK)	43		4.524				ND	
50 Chloroform	83	4.798	4.798	0.000	1	436	0.0389	7M
51 1,1,1-Trichloroethane	97		4.920				ND	
52 Cyclohexane	56		4.932				ND	
55 Carbon tetrachloride	117		5.060				ND	
57 Benzene	78		5.279				ND	
58 1,2-Dichloroethane	62		5.339				ND	
62 Trichloroethene	95		5.893				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		6.015				ND	
65 1,2-Dichloropropane	63		6.124				ND	
68 Dichlorobromomethane	83		6.416				ND	
72 cis-1,3-Dichloropropene	75		6.836				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.976				ND	
74 Toluene	92	7.116	7.116	-0.012	21	2527	0.1436	M
77 trans-1,3-Dichloropropene	75		7.402				ND	
79 1,1,2-Trichloroethane	83		7.590				ND	
81 Tetrachloroethene	166		7.663				ND	
80 2-Hexanone	43		7.815				ND	
83 Chlorodibromomethane	129		7.986				ND	
84 Ethylene Dibromide	107		8.095				ND	
87 Chlorobenzene	112		8.576				ND	
88 Ethylbenzene	91	8.673	8.673	0.000	1	1629	0.0488	7
90 m-Xylene & p-Xylene	106	8.795	8.795	0.006	0	2183	0.1711	
91 o-Xylene	106	9.221	9.221	0.000	1	828	0.0663	7M
92 Styrene	104		9.245				ND	
95 Bromoform	173		9.488				ND	
94 Isopropylbenzene	105		9.604				ND	
97 1,1,2,2-Tetrachloroethane	83		9.987				ND	
111 1,3-Dichlorobenzene	146		10.857				ND	
113 1,4-Dichlorobenzene	146		10.942				ND	
116 1,2-Dichlorobenzene	146		11.295				ND	
117 1,2-Dibromo-3-Chloropropan	75		12.013				ND	
119 1,2,4-Trichlorobenzene	180		12.694				ND	
S 124 Xylenes, Total	1				0		0.2374	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

S_8260_IS_00272	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00230	Amount Added:	1.00	Units: uL	Run Reagent

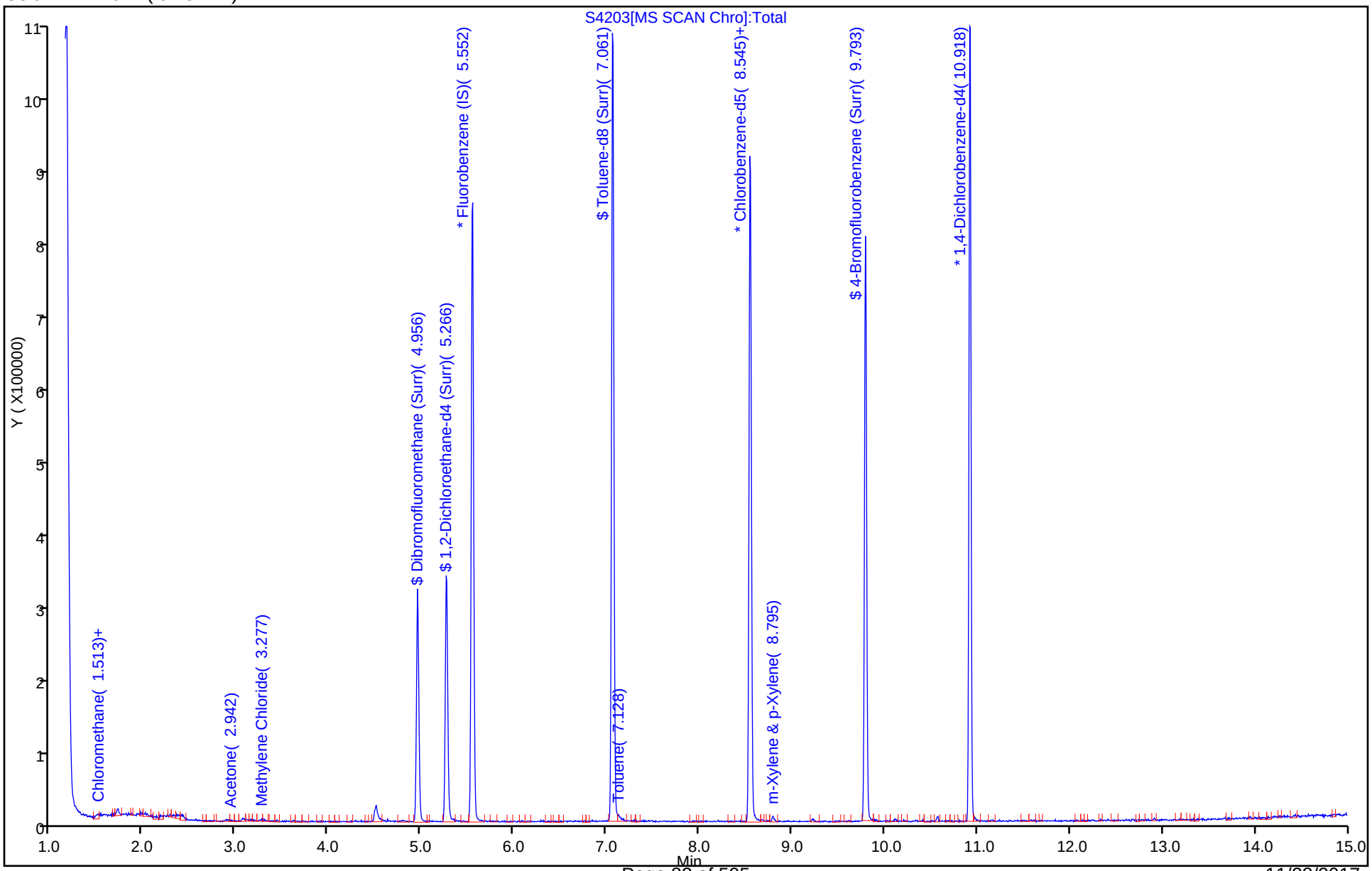
Report Date: 25-Nov-2017 08:53:43 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S4203.D

Injection Date:	24-Nov-2017 23:06:30	Instrument ID:	HP5973S	Operator ID:	KN
Lims ID:	480-127885-C-5	Lab Sample ID:	480-127885-5	Worklist Smp#:	11
Client ID:	MW-7				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

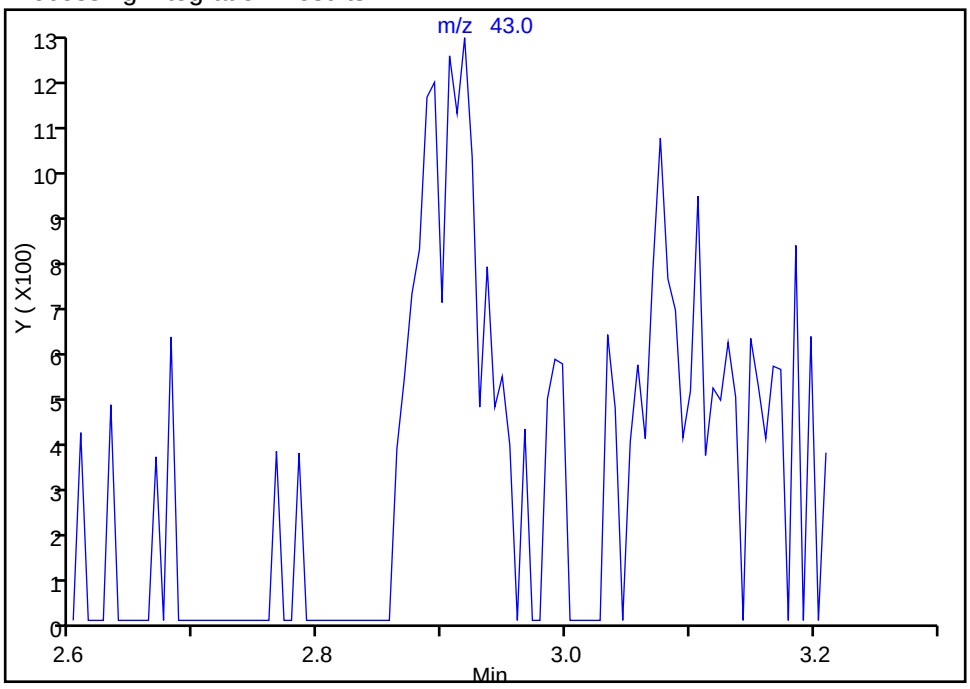
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Lims ID:	480-127885-C-5	Lab Sample ID:	480-127885-5		
Client ID:	MW-7				
Operator ID:	KN	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

23 Acetone, CAS: 67-64-1

Signal: 1

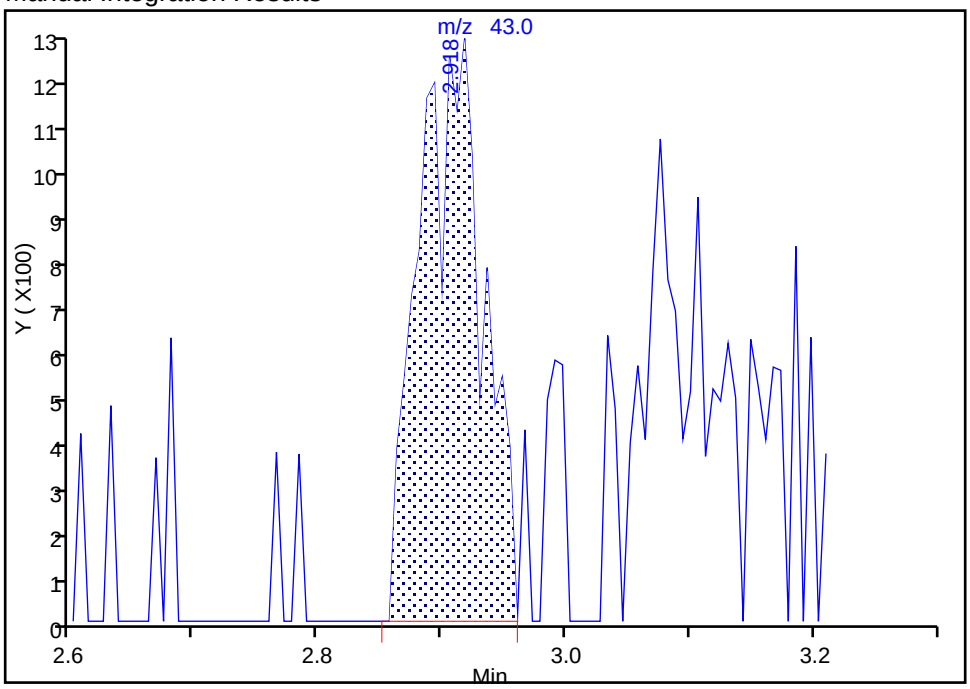
Not Detected
Expected RT: 2.87

Processing Integration Results



Manual Integration Results

RT: 2.92
Area: 4563
Amount: 1.631625
Amount Units: ug/L



Reviewer: reiler, 25-Nov-2017 08:52:38
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

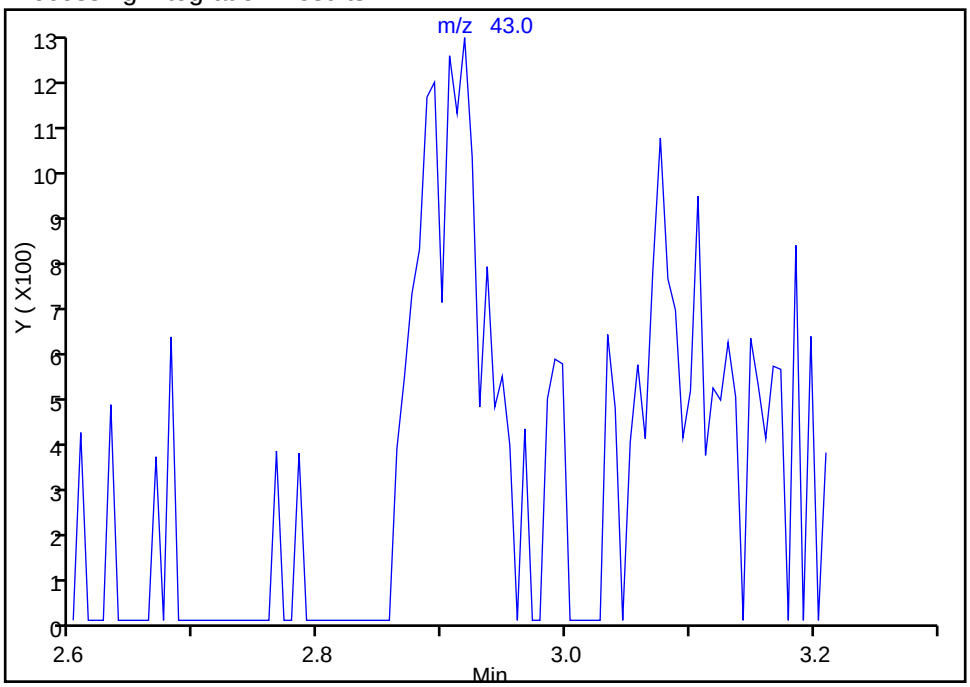
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Injection Date:	24-Nov-2017 23:06:30	Instrument ID:	HP5973S		
Lims ID:	480-127885-C-5	Lab Sample ID:	480-127885-5		
Client ID:	MW-7				
Operator ID:	KN	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

23 Acetone, CAS: 67-64-1

Signal: 1

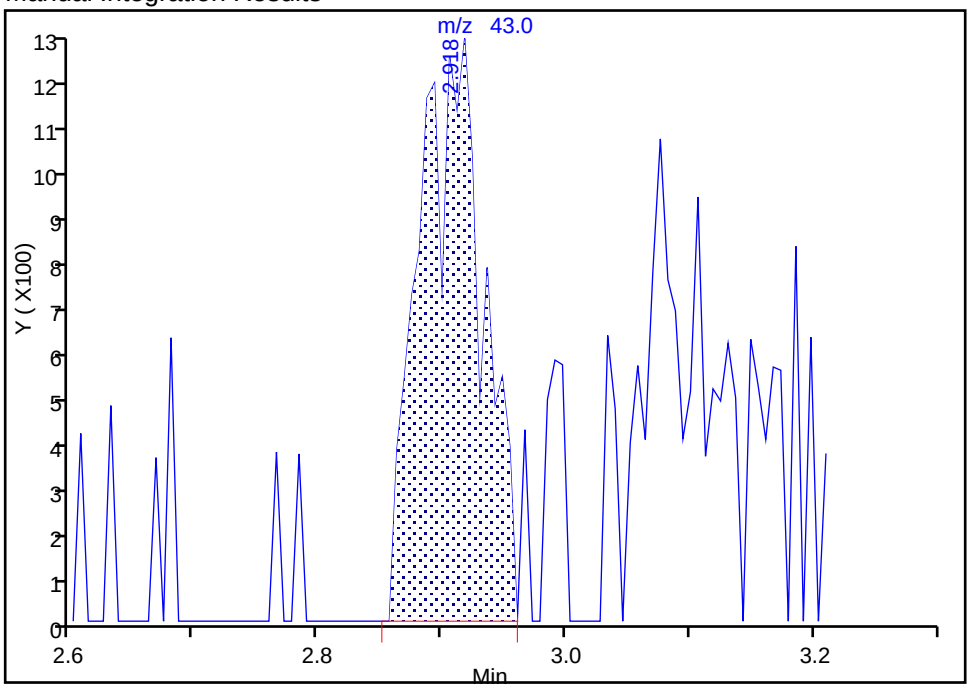
Not Detected
Expected RT: 2.87

Processing Integration Results



Manual Integration Results

RT: 2.92
Area: 4563
Amount: 1.631625
Amount Units: ug/L



Reviewer: reiler, 25-Nov-2017 08:52:41
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

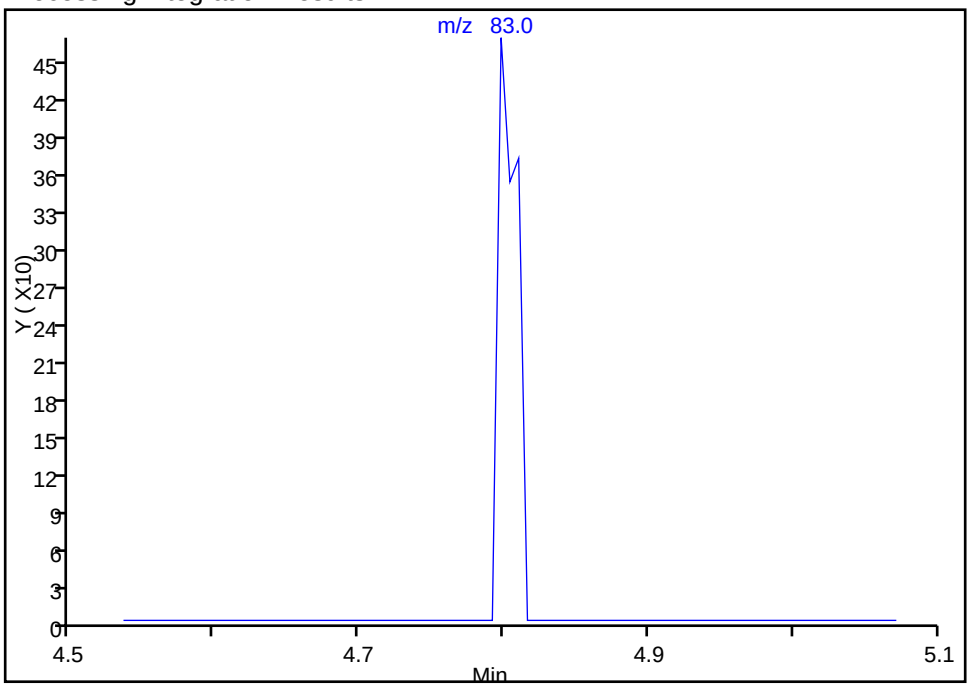
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Lims ID:	480-127885-C-5	Lab Sample ID:	480-127885-5		
Client ID:	MW-7				
Operator ID:	KN	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

50 Chloroform, CAS: 67-66-3

Signal: 1

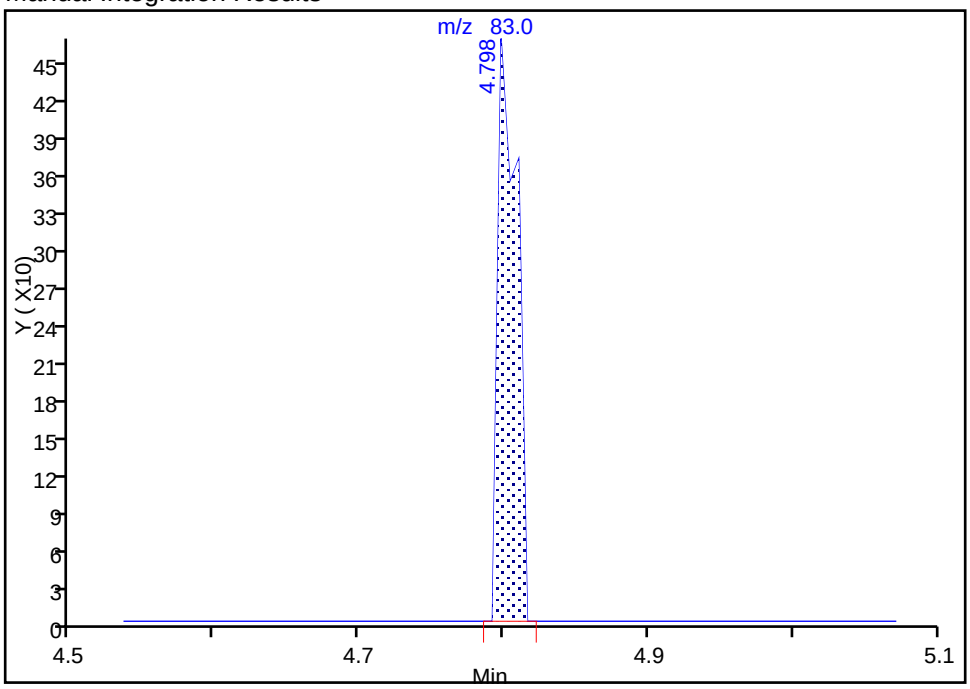
Not Detected
Expected RT: 4.80

Processing Integration Results



Manual Integration Results

RT: 4.80
Area: 436
Amount: 0.038861
Amount Units: ug/L



Reviewer: reiler, 25-Nov-2017 08:52:52
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

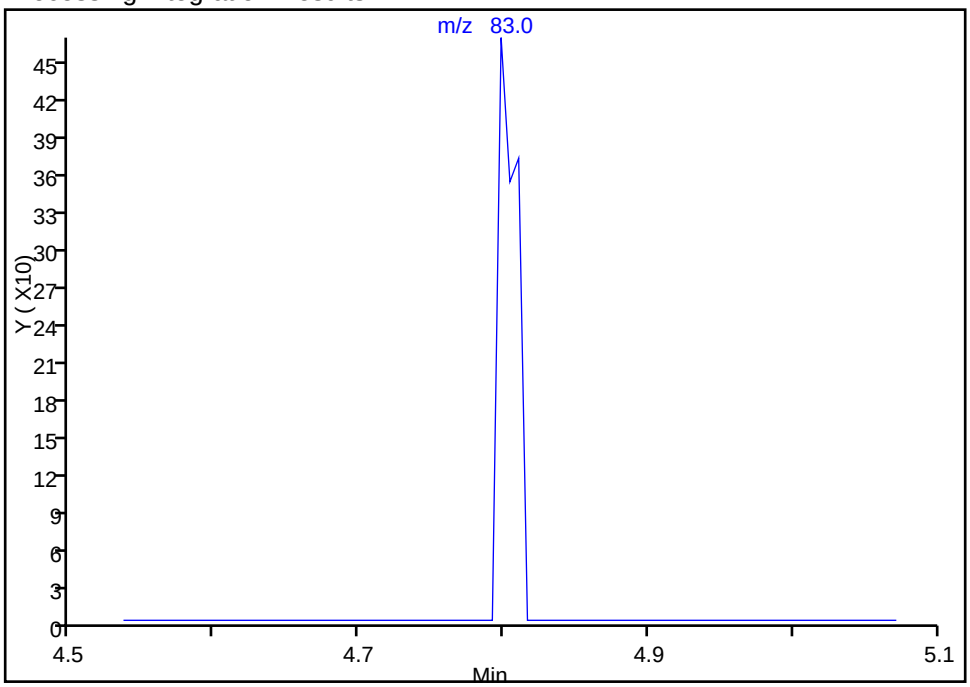
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Injection Date:	24-Nov-2017 23:06:30	Instrument ID:	HP5973S		
Lims ID:	480-127885-C-5	Lab Sample ID:	480-127885-5		
Client ID:	MW-7				
Operator ID:	KN	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

50 Chloroform, CAS: 67-66-3

Signal: 1

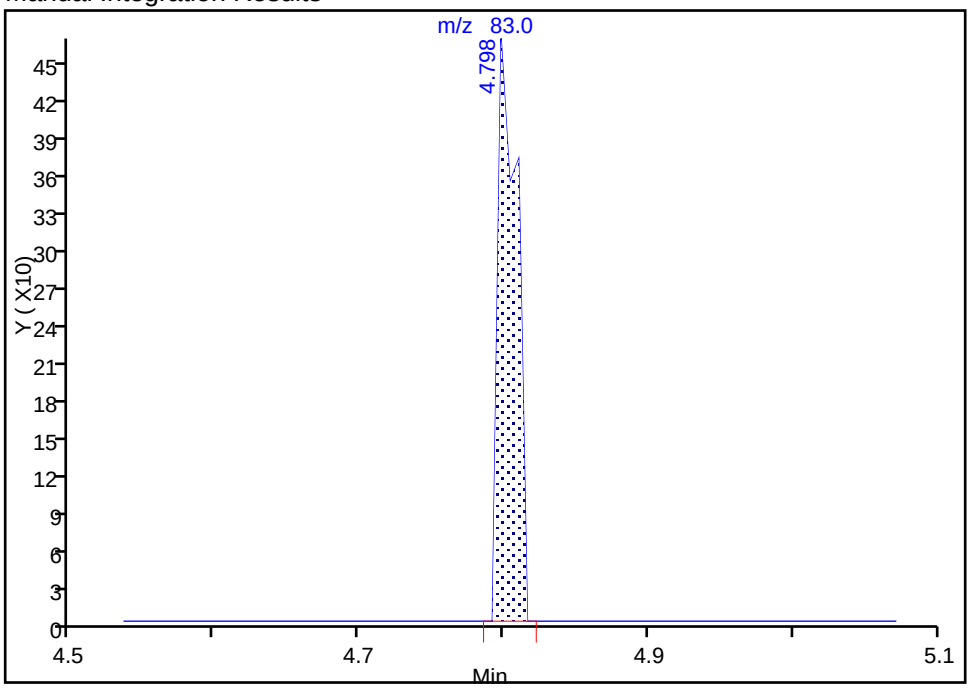
Not Detected
Expected RT: 4.80

Processing Integration Results



Manual Integration Results

RT: 4.80
Area: 436
Amount: 0.038861
Amount Units: ug/L



Reviewer: reiler, 25-Nov-2017 08:52:55
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

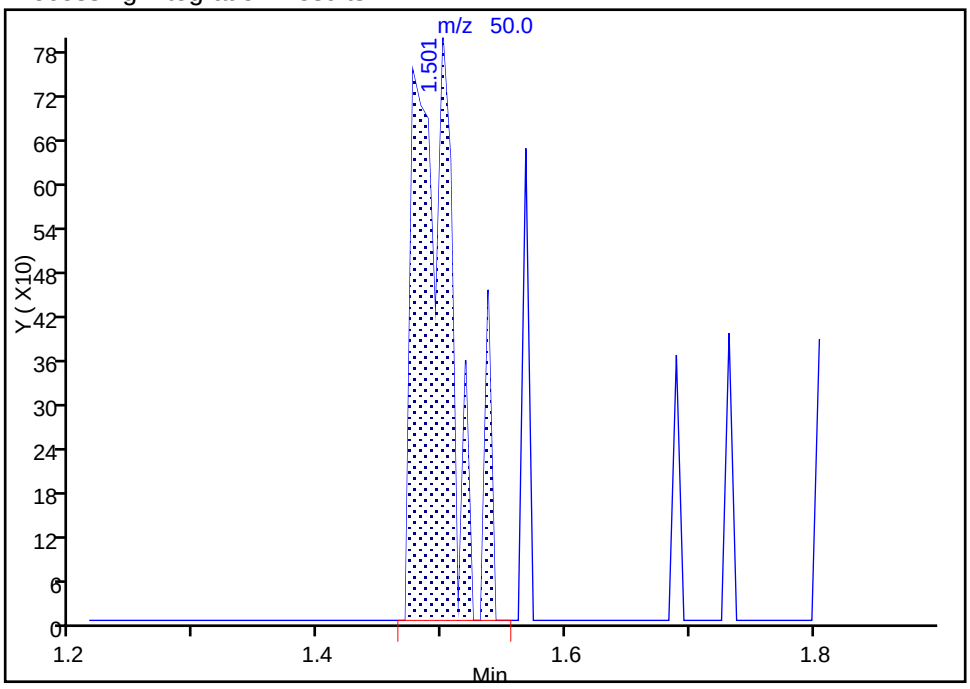
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Lims ID:	480-127885-C-5	Lab Sample ID:	480-127885-5		
Client ID:	MW-7				
Operator ID:	KN	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

12 Chloromethane, CAS: 74-87-3

Signal: 1

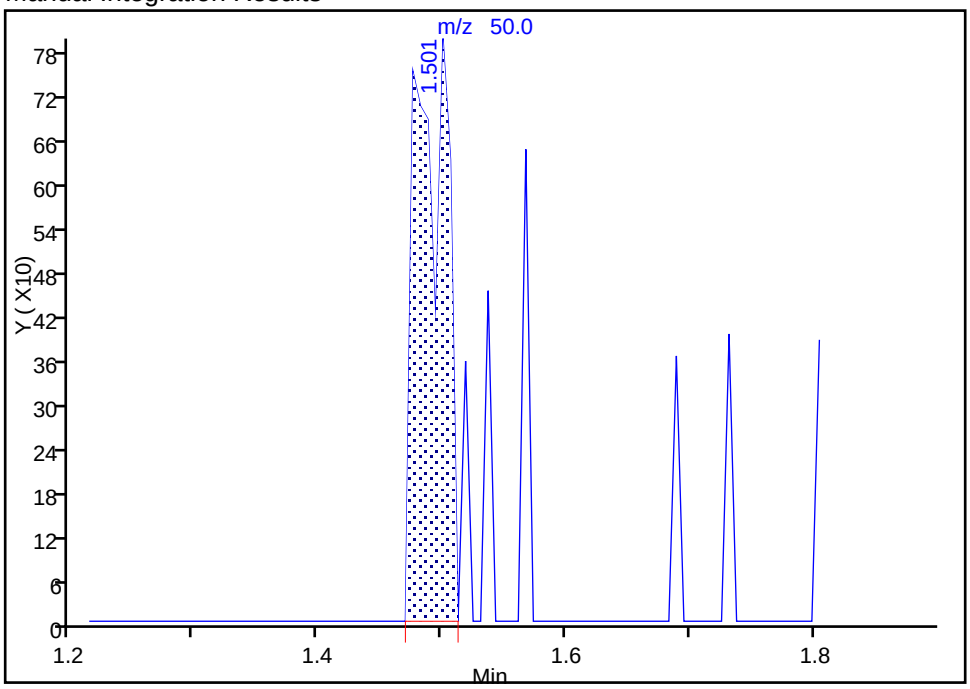
Processing Integration Results

RT: 1.50
Area: 1743
Amount: 0.199765
Amount Units: ug/L



Manual Integration Results

RT: 1.50
Area: 1449
Amount: 0.166070
Amount Units: ug/L



Reviewer: reiler, 25-Nov-2017 08:52:33

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

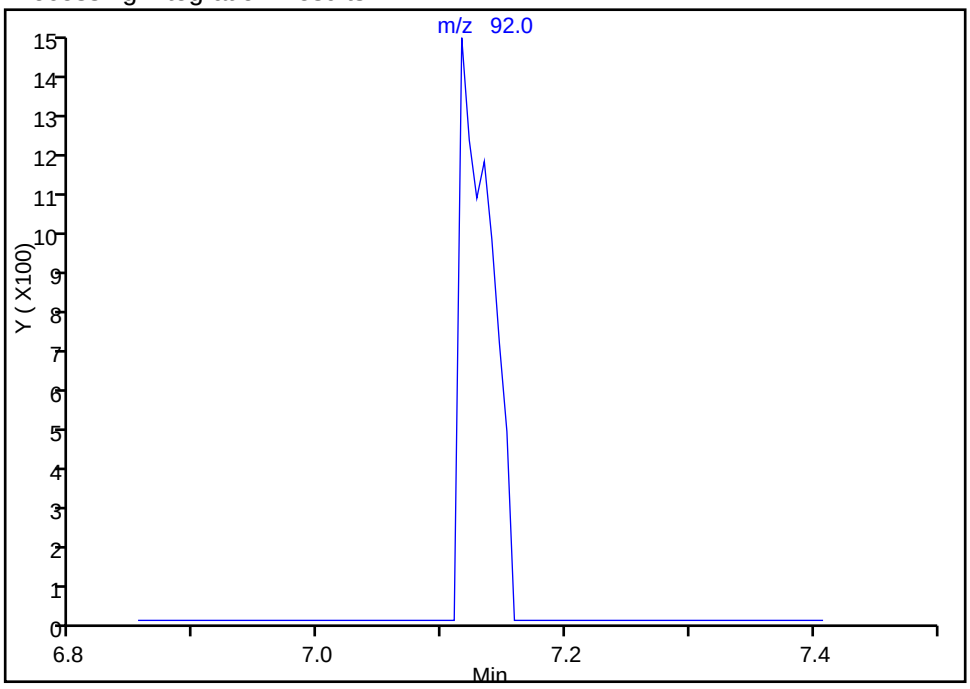
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Injection Date:	24-Nov-2017 23:06:30	Instrument ID:	HP5973S		
Lims ID:	480-127885-C-5	Lab Sample ID:	480-127885-5		
Client ID:	MW-7				
Operator ID:	KN	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

74 Toluene, CAS: 108-88-3

Signal: 1

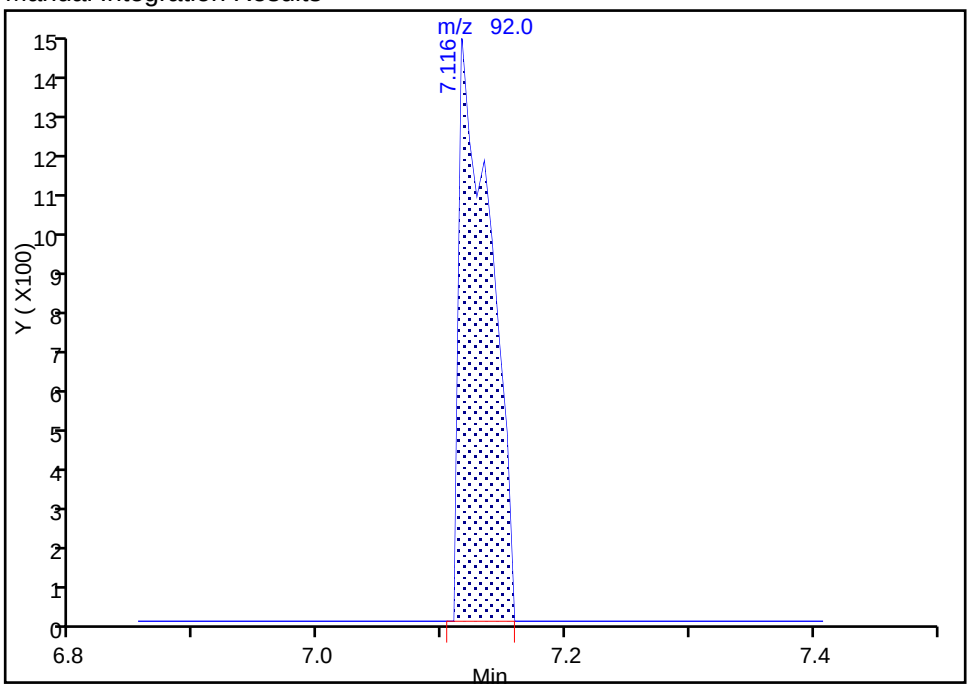
Not Detected
Expected RT: 7.13

Processing Integration Results



Manual Integration Results

RT: 7.12
Area: 2527
Amount: 0.143572
Amount Units: ug/L



Reviewer: reiler, 25-Nov-2017 08:53:05
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S4203.D

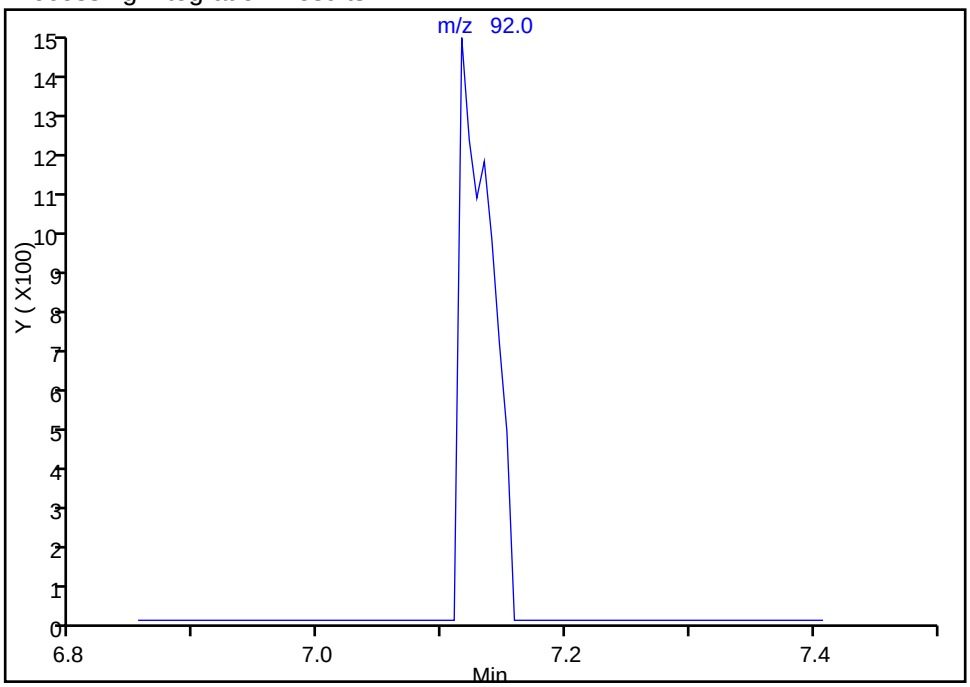
Injection Date:	24-Nov-2017 23:06:30	Instrument ID:	HP5973S		
Lims ID:	480-127885-C-5	Lab Sample ID:	480-127885-5		
Client ID:	MW-7				
Operator ID:	KN	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

74 Toluene, CAS: 108-88-3

Signal: 1

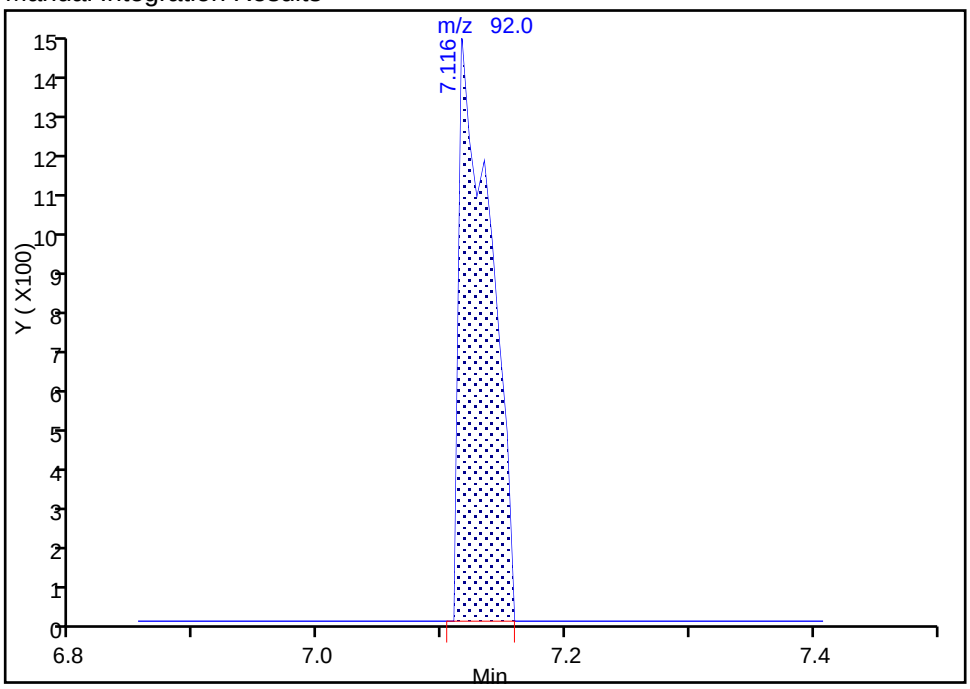
Not Detected
Expected RT: 7.13

Processing Integration Results



Manual Integration Results

RT: 7.12
Area: 2527
Amount: 0.143572
Amount Units: ug/L



Reviewer: reiler, 25-Nov-2017 08:53:08
Audit Action: Assigned Compound ID Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

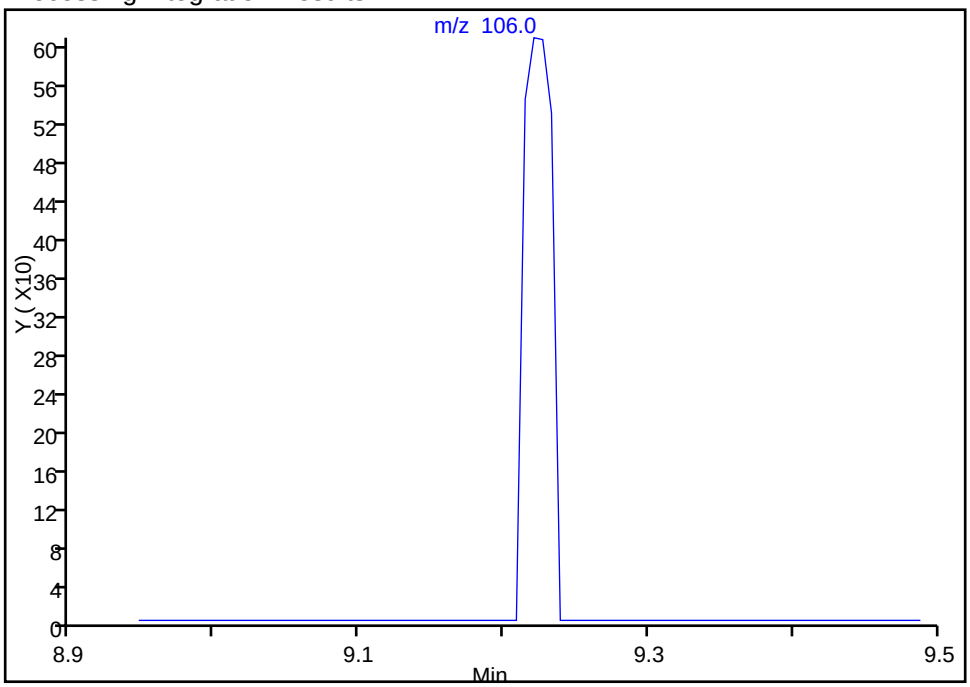
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Injection Date:	24-Nov-2017 23:06:30	Instrument ID:	HP5973S		
Lims ID:	480-127885-C-5	Lab Sample ID:	480-127885-5		
Client ID:	MW-7				
Operator ID:	KN	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

91 o-Xylene, CAS: 95-47-6

Signal: 1

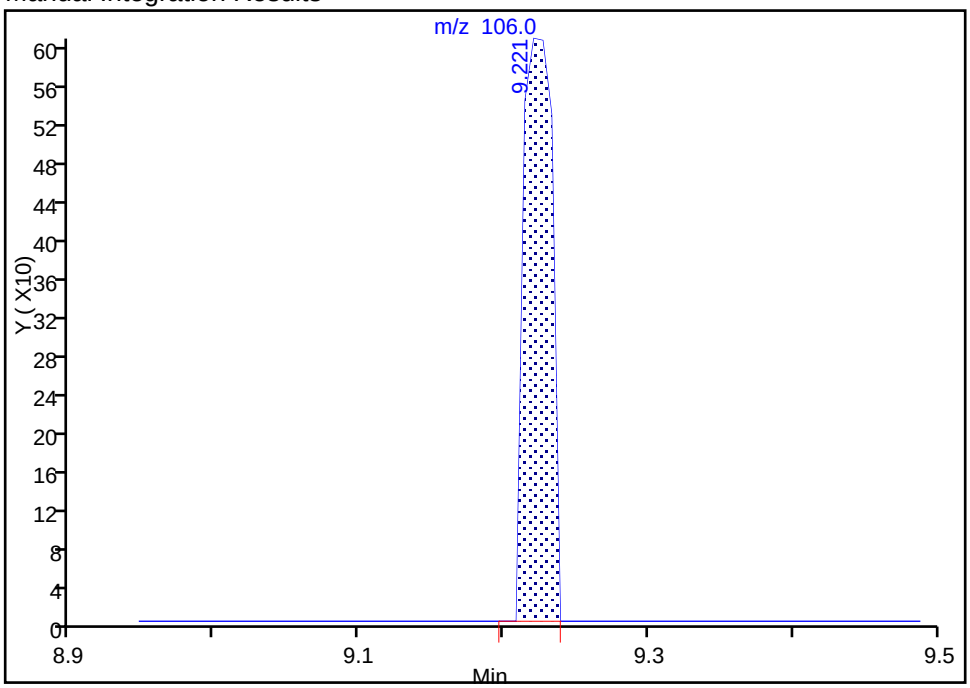
Not Detected
Expected RT: 9.22

Processing Integration Results



Manual Integration Results

RT: 9.22
Area: 828
Amount: 0.066331
Amount Units: ug/L



Reviewer: reiler, 25-Nov-2017 08:53:33
Audit Action: Assigned Compound ID Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

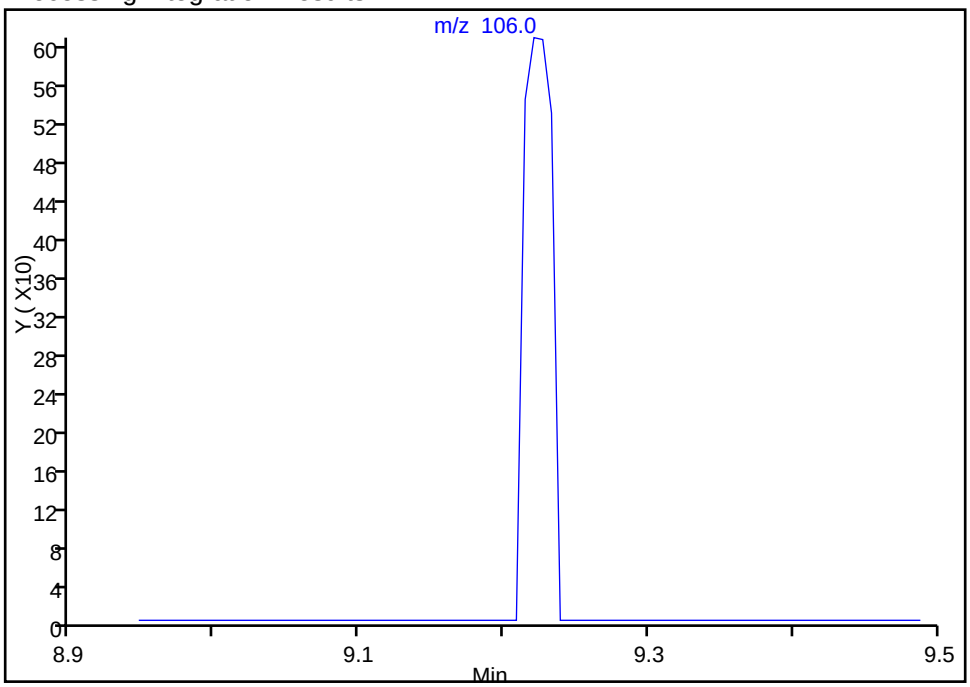
Data File:	\\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S4203.D				
Injection Date:	24-Nov-2017 23:06:30	Instrument ID:	HP5973S		
Lims ID:	480-127885-C-5	Lab Sample ID:	480-127885-5		
Client ID:	MW-7				
Operator ID:	KN	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

91 o-Xylene, CAS: 95-47-6

Signal: 1

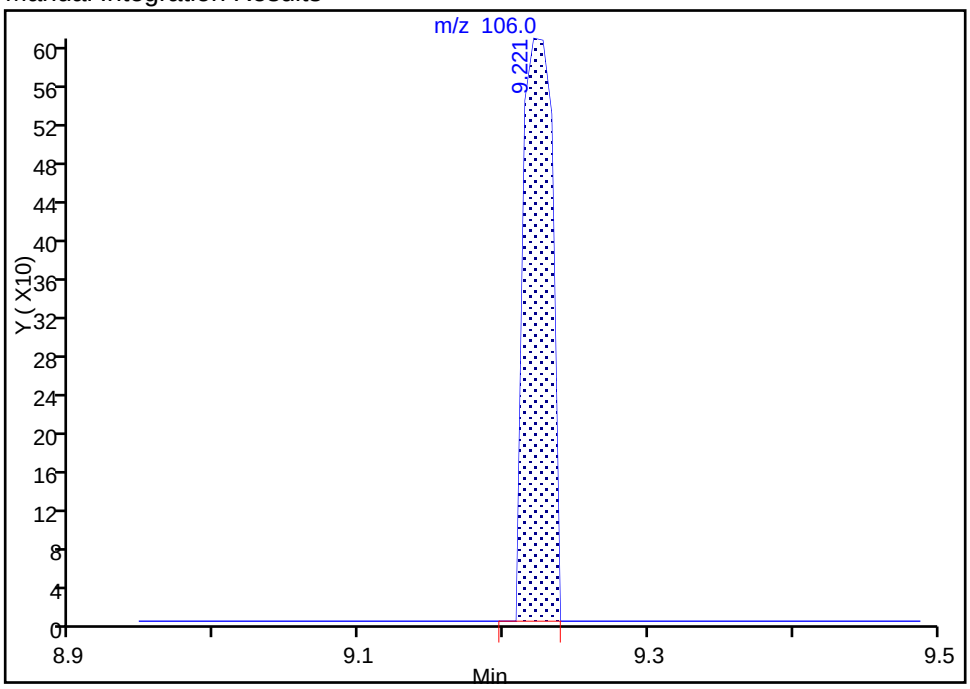
Not Detected
Expected RT: 9.22

Processing Integration Results



Manual Integration Results

RT: 9.22
Area: 828
Amount: 0.066331
Amount Units: ug/L



Reviewer: reiler, 25-Nov-2017 08:53:35
Audit Action: Manually Integrated Audit Reason: Missed Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-127885-1

SDG No.:

Client Sample ID: MW-8 | Lab Sample ID: 480-127885-6

Matrix: Water | Lab File ID: S4204.D

Analysis Method: 8260C | Date Collected: 11/20/2017 16:15

Sample wt/vol: 5(mL) | Date Analyzed: 11/24/2017 23:30

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.: 389077 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-127885-1

SDG No.:

Client Sample ID: MW-8 | Lab Sample ID: 480-127885-6

Matrix: Water | Lab File ID: S4204.D

Analysis Method: 8260C | Date Collected: 11/20/2017 16:15

Sample wt/vol: 5(mL) | Date Analyzed: 11/24/2017 23:30

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.: 389077 | Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		77-120
2037-26-5	Toluene-d8 (Surr)	98		80-120
460-00-4	4-Bromofluorobenzene (Surr)	95		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S4204.D
Lims ID: 480-127885-D-6
Client ID: MW-8
Sample Type: Client
Inject. Date: 24-Nov-2017 23:30:30 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-127885-c-6
Misc. Info.: 480-0067526-012
Operator ID: KN Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Nov-2017 08:55:32 Calib Date: 06-Nov-2017 02:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3887.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: reiler Date: 25-Nov-2017 08:54:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.552	5.546	0.006	98	136638	25.0	
* 2 Chlorobenzene-d5	82	8.552	8.546	0.006	84	283332	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.924	10.924	0.000	94	279456	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.956	4.956	0.000	58	174972	25.3	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.266	5.267	-0.001	0	112281	24.9	
$ 5 Toluene-d8 (Surr)	98	7.067	7.061	0.006	93	701605	24.4	
$ 6 4-Bromofluorobenzene (Surr	174	9.793	9.793	0.000	88	226222	23.7	
10 Dichlorodifluoromethane	85		1.300				ND	
12 Chloromethane	50		1.482				ND	
13 Vinyl chloride	62		1.568				ND	
14 Bromomethane	94		1.896				ND	
15 Chloroethane	64		1.993				ND	
17 Trichlorofluoromethane	101		2.225				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.736				ND	
22 1,1-Dichloroethene	96		2.754				ND	
23 Acetone	43	2.882	2.870	0.012	27	2882	1.03	
26 Carbon disulfide	76		2.955				ND	
27 Methyl acetate	43		3.180				ND	
30 Methylene Chloride	84	3.283	3.277	0.006	43	1292	0.1853	
32 Methyl tert-butyl ether	73		3.496				ND	
34 trans-1,2-Dichloroethene	96		3.508				ND	
39 1,1-Dichloroethane	63		3.928				ND	
45 cis-1,2-Dichloroethene	96		4.488				ND	
43 2-Butanone (MEK)	43		4.524				ND	
50 Chloroform	83		4.798				ND	
51 1,1,1-Trichloroethane	97		4.920				ND	
52 Cyclohexane	56		4.932				ND	
55 Carbon tetrachloride	117		5.060				ND	
57 Benzene	78		5.279				ND	
58 1,2-Dichloroethane	62		5.339				ND	
62 Trichloroethene	95		5.893				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		6.015				ND	
65 1,2-Dichloropropane	63		6.124				ND	
68 Dichlorobromomethane	83		6.416				ND	
72 cis-1,3-Dichloropropene	75		6.836				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.976				ND	
74 Toluene	92		7.128				ND	
77 trans-1,3-Dichloropropene	75		7.402				ND	
79 1,1,2-Trichloroethane	83		7.590				ND	
81 Tetrachloroethene	166		7.663				ND	
80 2-Hexanone	43		7.815				ND	
83 Chlorodibromomethane	129		7.986				ND	
84 Ethylene Dibromide	107		8.095				ND	
87 Chlorobenzene	112		8.576				ND	
88 Ethylbenzene	91		8.673				ND	
90 m-Xylene & p-Xylene	106		8.789				ND	
91 o-Xylene	106		9.221				ND	
92 Styrene	104		9.245				ND	
95 Bromoform	173		9.488				ND	
94 Isopropylbenzene	105		9.604				ND	
97 1,1,2,2-Tetrachloroethane	83		9.987				ND	
111 1,3-Dichlorobenzene	146		10.857				ND	
113 1,4-Dichlorobenzene	146		10.942				ND	
116 1,2-Dichlorobenzene	146		11.295				ND	
117 1,2-Dibromo-3-Chloropropan	75		12.013				ND	
119 1,2,4-Trichlorobenzene	180		12.694				ND	
S 124 Xylenes, Total	1		30.000				ND	

Reagents:

S_8260_IS_00272	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00230	Amount Added:	1.00	Units: uL	Run Reagent

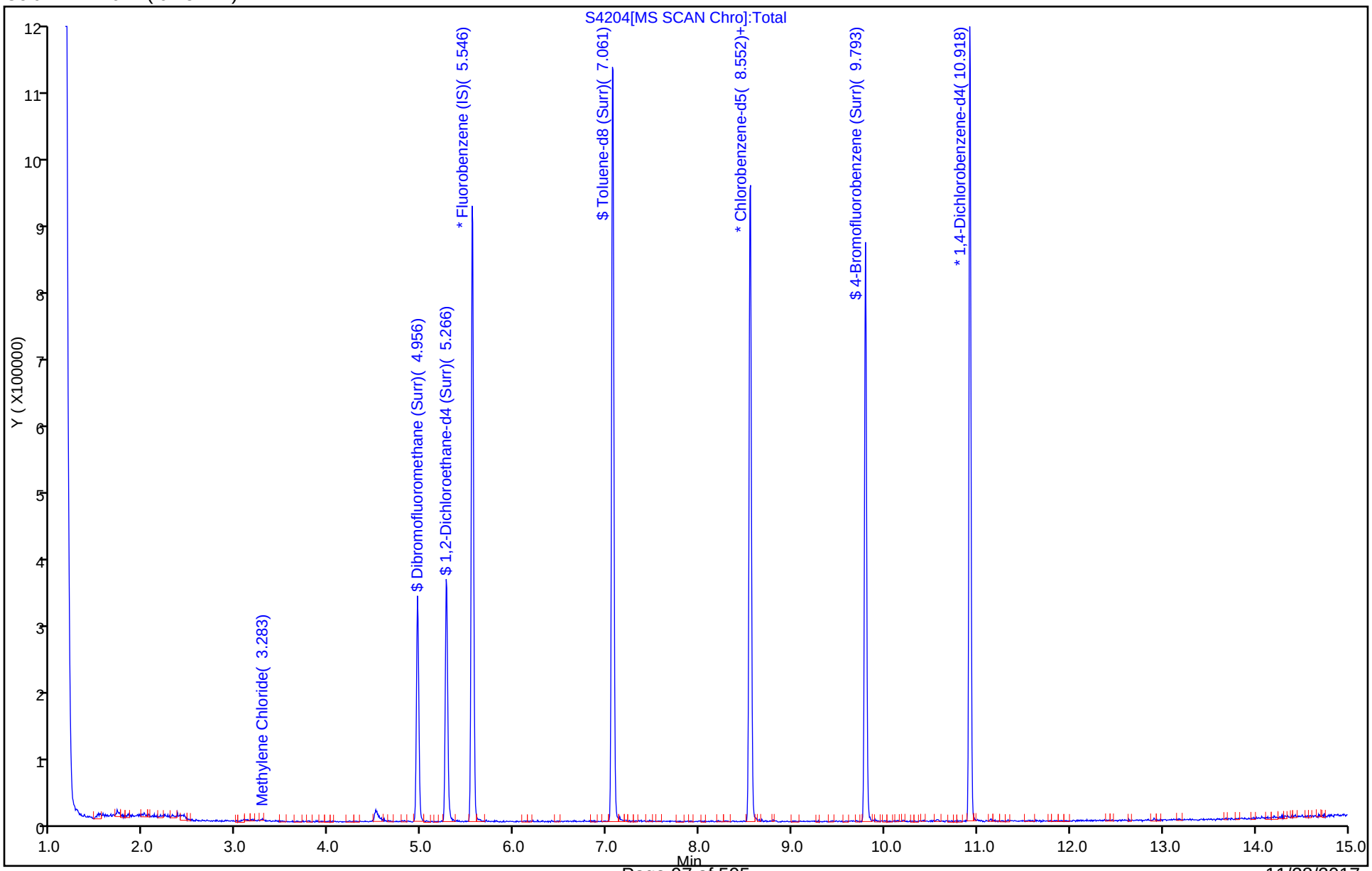
Report Date: 25-Nov-2017 08:57:22 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S4204.D

Injection Date:	24-Nov-2017 23:30:30	Instrument ID:	HP5973S	Operator ID:	KN
Lims ID:	480-127885-D-6	Lab Sample ID:	480-127885-6	Worklist Smp#:	12
Client ID:	MW-8				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-127885-1

SDG No.:

Client Sample ID: DUP-112017 | Lab Sample ID: 480-127885-7

Matrix: Water | Lab File ID: S4205.D

Analysis Method: 8260C | Date Collected: 11/20/2017 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 11/24/2017 23:53

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 389077 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-127885-1

SDG No.:

Client Sample ID: DUP-112017 | Lab Sample ID: 480-127885-7

Matrix: Water | Lab File ID: S4205.D

Analysis Method: 8260C | Date Collected: 11/20/2017 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 11/24/2017 23:53

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 389077 | Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		77-120
2037-26-5	Toluene-d8 (Surr)	101		80-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	98		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S4205.D
Lims ID: 480-127885-C-7
Client ID: DUP-112017
Sample Type: Client
Inject. Date: 24-Nov-2017 23:53:30 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-127885-c-7
Misc. Info.: 480-0067526-013
Operator ID: KN Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Nov-2017 08:54:38 Calib Date: 06-Nov-2017 02:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3887.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: reiler Date: 25-Nov-2017 08:55:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.546	5.546	0.000	99	137399	25.0	
* 2 Chlorobenzene-d5	82	8.546	8.546	0.000	81	268319	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.918	10.924	-0.006	96	277530	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.956	4.956	0.000	58	170461	24.5	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.267	5.267	0.000	0	111422	24.6	
$ 5 Toluene-d8 (Surr)	98	7.061	7.061	0.000	94	684745	25.2	
$ 6 4-Bromofluorobenzene (Surr	174	9.793	9.793	0.000	88	223796	24.7	
10 Dichlorodifluoromethane	85		1.300				ND	
12 Chloromethane	50		1.482				ND	
13 Vinyl chloride	62		1.568				ND	
14 Bromomethane	94		1.896				ND	
15 Chloroethane	64		1.993				ND	
17 Trichlorofluoromethane	101		2.225				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.736				ND	
22 1,1-Dichloroethene	96		2.754				ND	
23 Acetone	43	2.888	2.870	0.018	65	5858	2.09	
26 Carbon disulfide	76		2.955				ND	
27 Methyl acetate	43		3.180				ND	
30 Methylene Chloride	84	3.277	3.277	0.000	38	1623	0.2314	
32 Methyl tert-butyl ether	73		3.496				ND	
34 trans-1,2-Dichloroethene	96		3.508				ND	
39 1,1-Dichloroethane	63		3.928				ND	
45 cis-1,2-Dichloroethene	96		4.488				ND	
43 2-Butanone (MEK)	43		4.524				ND	
50 Chloroform	83		4.798				ND	
51 1,1,1-Trichloroethane	97		4.920				ND	
52 Cyclohexane	56		4.932				ND	
55 Carbon tetrachloride	117		5.060				ND	
57 Benzene	78		5.279				ND	
58 1,2-Dichloroethane	62		5.339				ND	
62 Trichloroethene	95		5.893				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		6.015				ND	
65 1,2-Dichloropropane	63		6.124				ND	
68 Dichlorobromomethane	83		6.416				ND	
72 cis-1,3-Dichloropropene	75		6.836				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.976				ND	
74 Toluene	92		7.128				ND	
77 trans-1,3-Dichloropropene	75		7.402				ND	
79 1,1,2-Trichloroethane	83		7.590				ND	
81 Tetrachloroethene	166		7.663				ND	
80 2-Hexanone	43		7.815				ND	
83 Chlorodibromomethane	129		7.986				ND	
84 Ethylene Dibromide	107		8.095				ND	
87 Chlorobenzene	112		8.576				ND	
88 Ethylbenzene	91		8.673				ND	
90 m-Xylene & p-Xylene	106		8.789				ND	
91 o-Xylene	106		9.221				ND	
92 Styrene	104		9.245				ND	
95 Bromoform	173		9.488				ND	
94 Isopropylbenzene	105		9.604				ND	
97 1,1,2,2-Tetrachloroethane	83		9.987				ND	
111 1,3-Dichlorobenzene	146		10.857				ND	
113 1,4-Dichlorobenzene	146		10.942				ND	
116 1,2-Dichlorobenzene	146		11.295				ND	
117 1,2-Dibromo-3-Chloropropan	75		12.013				ND	
119 1,2,4-Trichlorobenzene	180		12.694				ND	
S 124 Xylenes, Total	1		30.000				ND	

Reagents:

S_8260_IS_00272	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00230	Amount Added:	1.00	Units: uL	Run Reagent

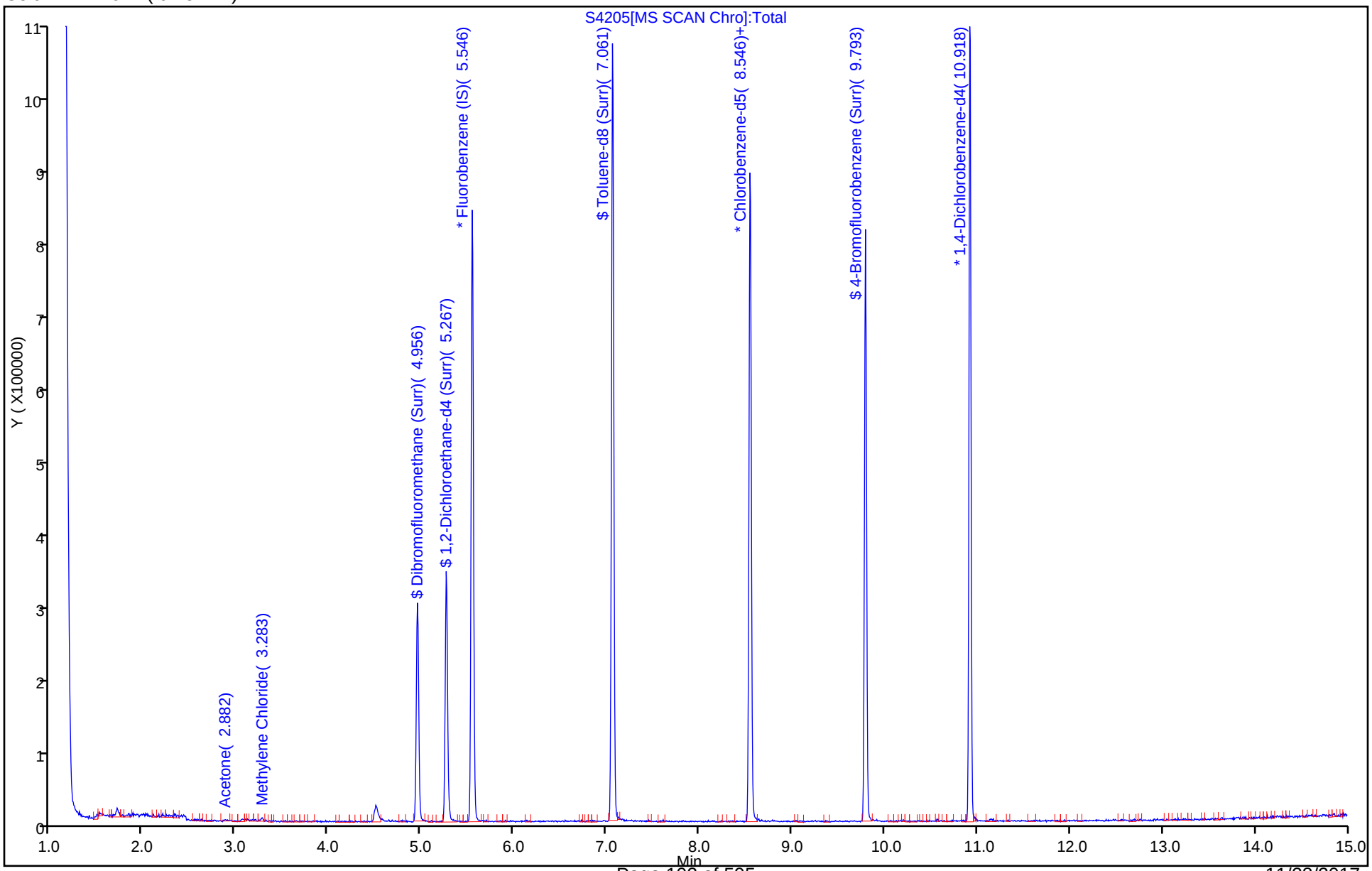
Report Date: 25-Nov-2017 08:55:06 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S4205.D

Injection Date:	24-Nov-2017 23:53:30	Instrument ID:	HP5973S	Operator ID:	KN
Lims ID:	480-127885-C-7	Lab Sample ID:	480-127885-7	Worklist Smp#:	13
Client ID:	DUP-112017				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-127885-1

SDG No.:

Client Sample ID: FB-112117 | Lab Sample ID: 480-127885-8

Matrix: Water | Lab File ID: S4206.D

Analysis Method: 8260C | Date Collected: 11/21/2017 11:30

Sample wt/vol: 5(mL) | Date Analyzed: 11/25/2017 00:16

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.: 389077 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-127885-1

SDG No.:

Client Sample ID: FB-112117 | Lab Sample ID: 480-127885-8

Matrix: Water | Lab File ID: S4206.D

Analysis Method: 8260C | Date Collected: 11/21/2017 11:30

Sample wt/vol: 5(mL) | Date Analyzed: 11/25/2017 00:16

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.: 389077 | Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		77-120
2037-26-5	Toluene-d8 (Surr)	98		80-120
460-00-4	4-Bromofluorobenzene (Surr)	95		73-120
1868-53-7	Dibromofluoromethane (Surr)	99		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S4206.D
Lims ID: 480-127885-C-8
Client ID: FB-112117
Sample Type: Client
Inject. Date: 25-Nov-2017 00:16:30 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-127885-c-8
Misc. Info.: 480-0067526-014
Operator ID: KN Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Nov-2017 08:55:32 Calib Date: 06-Nov-2017 02:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3887.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: reiler Date: 25-Nov-2017 08:55:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.546	5.546	0.000	99	138301	25.0	
* 2 Chlorobenzene-d5	82	8.546	8.546	0.000	87	277303	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.924	10.924	0.000	95	272351	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.956	4.956	0.000	57	172594	24.7	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.266	5.267	-0.001	0	109782	24.1	
$ 5 Toluene-d8 (Surr)	98	7.061	7.061	0.000	93	690736	24.6	
$ 6 4-Bromofluorobenzene (Surr	174	9.793	9.793	0.000	89	222731	23.8	
10 Dichlorodifluoromethane	85		1.300				ND	
12 Chloromethane	50		1.482				ND	
13 Vinyl chloride	62		1.568				ND	
14 Bromomethane	94		1.896				ND	
15 Chloroethane	64		1.993				ND	
17 Trichlorofluoromethane	101		2.225				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.736				ND	
22 1,1-Dichloroethene	96		2.754				ND	
23 Acetone	43	2.888	2.870	0.018	80	8410	2.98	
26 Carbon disulfide	76		2.955				ND	
27 Methyl acetate	43		3.180				ND	
30 Methylene Chloride	84	3.289	3.289	0.012	39	1776	0.2516	
32 Methyl tert-butyl ether	73		3.496				ND	
34 trans-1,2-Dichloroethene	96		3.508				ND	
39 1,1-Dichloroethane	63		3.928				ND	
45 cis-1,2-Dichloroethene	96		4.488				ND	
43 2-Butanone (MEK)	43		4.524				ND	
50 Chloroform	83		4.798				ND	
51 1,1,1-Trichloroethane	97		4.920				ND	
52 Cyclohexane	56		4.932				ND	
55 Carbon tetrachloride	117		5.060				ND	
57 Benzene	78		5.279				ND	
58 1,2-Dichloroethane	62		5.339				ND	
62 Trichloroethene	95		5.893				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		6.015				ND	
65 1,2-Dichloropropane	63		6.124				ND	
68 Dichlorobromomethane	83		6.416				ND	
72 cis-1,3-Dichloropropene	75		6.836				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.976				ND	
74 Toluene	92		7.128				ND	
77 trans-1,3-Dichloropropene	75		7.402				ND	
79 1,1,2-Trichloroethane	83		7.590				ND	
81 Tetrachloroethene	166		7.663				ND	
80 2-Hexanone	43		7.815				ND	
83 Chlorodibromomethane	129		7.986				ND	
84 Ethylene Dibromide	107		8.095				ND	
87 Chlorobenzene	112		8.576				ND	
88 Ethylbenzene	91		8.673				ND	
90 m-Xylene & p-Xylene	106		8.789				ND	
91 o-Xylene	106		9.221				ND	
92 Styrene	104		9.245				ND	
95 Bromoform	173		9.488				ND	
94 Isopropylbenzene	105		9.604				ND	
97 1,1,2,2-Tetrachloroethane	83		9.987				ND	
111 1,3-Dichlorobenzene	146		10.857				ND	
113 1,4-Dichlorobenzene	146		10.942				ND	
116 1,2-Dichlorobenzene	146		11.295				ND	
117 1,2-Dibromo-3-Chloropropan	75		12.013				ND	
119 1,2,4-Trichlorobenzene	180		12.694				ND	
S 124 Xylenes, Total	1		30.000				ND	

Reagents:

S_8260_IS_00272	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00230	Amount Added:	1.00	Units: uL	Run Reagent

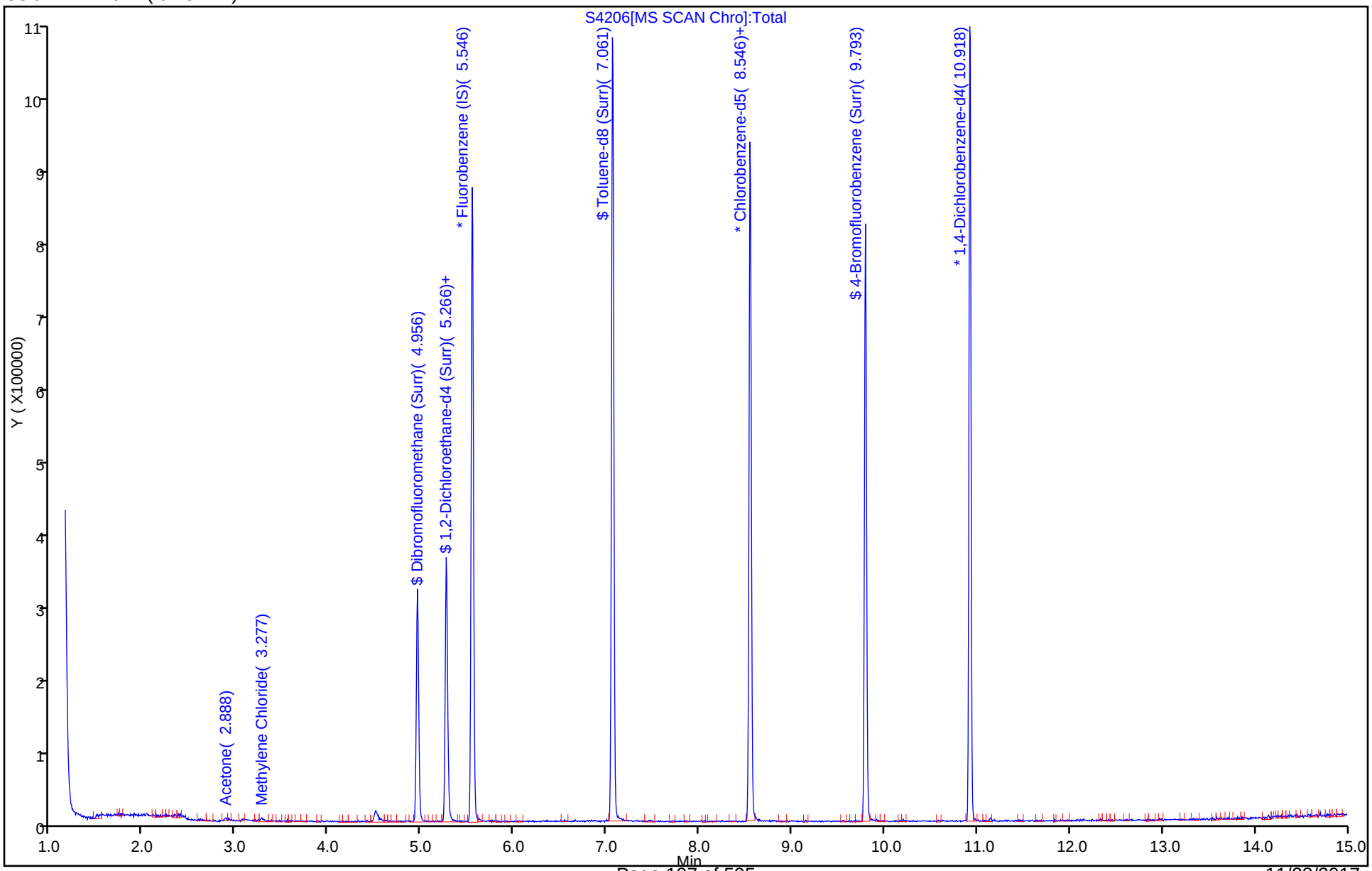
Report Date: 25-Nov-2017 08:55:33 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S4206.D

Injection Date:	25-Nov-2017 00:16:30	Instrument ID:	HP5973S	Operator ID:	KN
Lims ID:	480-127885-C-8	Lab Sample ID:	480-127885-8	Worklist Smp#:	14
Client ID:	FB-112117				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

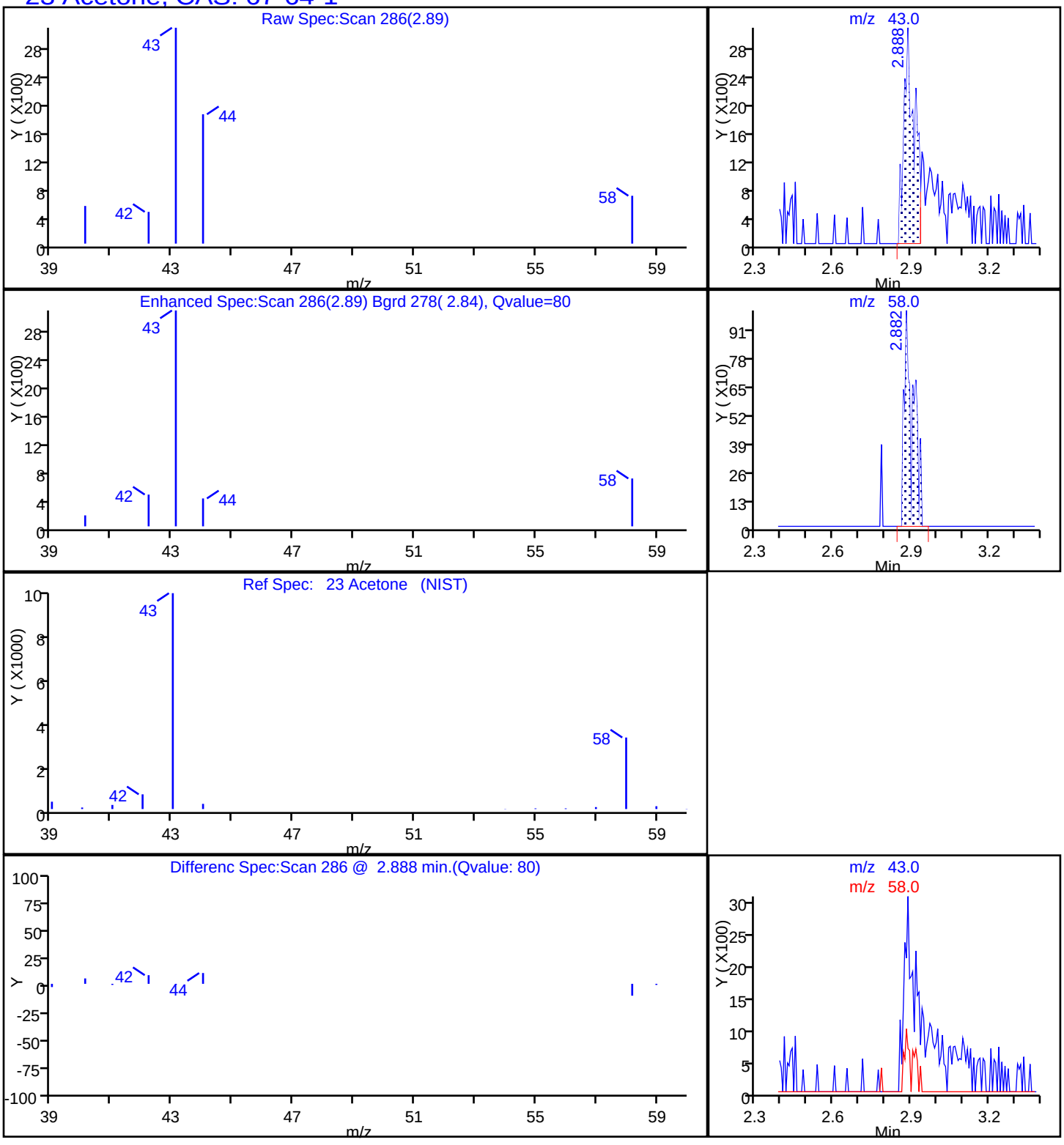
Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S4206.D				
Injection Date:	25-Nov-2017 00:16:30	Instrument ID:	HP5973S		
Lims ID:	480-127885-C-8	Lab Sample ID:	480-127885-8		
Client ID:	FB-112117				
Operator ID:	KN	ALS Bottle#:	14	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

23 Acetone, CAS: 67-64-1



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-127885-1

SDG No.:

Client Sample ID: TRIP BLANK | Lab Sample ID: 480-127885-9

Matrix: Water | Lab File ID: S4207.D

Analysis Method: 8260C | Date Collected: 11/20/2017 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 11/25/2017 00:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 389077 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-127885-1

SDG No.:

Client Sample ID: TRIP BLANK | Lab Sample ID: 480-127885-9

Matrix: Water | Lab File ID: S4207.D

Analysis Method: 8260C | Date Collected: 11/20/2017 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 11/25/2017 00:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 389077 | Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		77-120
2037-26-5	Toluene-d8 (Surr)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S4207.D
Lims ID: 480-127885-A-9
Client ID: TRIP BLANK
Sample Type: Client
Inject. Date: 25-Nov-2017 00:39:30 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-127885-a-9
Misc. Info.: 480-0067526-015
Operator ID: KN Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Nov-2017 09:01:26 Calib Date: 06-Nov-2017 02:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3887.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: reiler Date: 25-Nov-2017 09:01:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.552	5.546	0.006	98	133710	25.0	
* 2 Chlorobenzene-d5	82	8.552	8.546	0.006	85	273257	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.924	10.924	0.000	95	269637	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.956	4.956	0.000	66	173815	25.7	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.267	5.267	0.000	0	107561	24.4	
$ 5 Toluene-d8 (Surr)	98	7.061	7.061	0.000	93	693633	25.1	
$ 6 4-Bromofluorobenzene (Surr	174	9.793	9.793	0.000	88	222664	24.2	
10 Dichlorodifluoromethane	85		1.300				ND	
12 Chloromethane	50		1.482				ND	
13 Vinyl chloride	62		1.568				ND	
14 Bromomethane	94		1.896				ND	
15 Chloroethane	64		1.993				ND	
17 Trichlorofluoromethane	101		2.225				ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.736				ND	
22 1,1-Dichloroethene	96		2.754				ND	
23 Acetone	43	2.882	2.870	0.012	29	4492	1.65	
26 Carbon disulfide	76		2.955				ND	
27 Methyl acetate	43		3.180				ND	
30 Methylene Chloride	84	3.283	3.277	0.006	41	2037	0.2985	
32 Methyl tert-butyl ether	73		3.496				ND	
34 trans-1,2-Dichloroethene	96		3.508				ND	
39 1,1-Dichloroethane	63		3.928				ND	
45 cis-1,2-Dichloroethene	96		4.488				ND	
43 2-Butanone (MEK)	43		4.524				ND	
50 Chloroform	83		4.798				ND	
51 1,1,1-Trichloroethane	97		4.920				ND	
52 Cyclohexane	56		4.932				ND	
55 Carbon tetrachloride	117		5.060				ND	
57 Benzene	78		5.279				ND	
58 1,2-Dichloroethane	62		5.339				ND	
62 Trichloroethene	95		5.893				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		6.015				ND	
65 1,2-Dichloropropane	63		6.124				ND	
68 Dichlorobromomethane	83		6.416				ND	
72 cis-1,3-Dichloropropene	75		6.836				ND	
73 4-Methyl-2-pentanone (MIBK	43		6.976				ND	
74 Toluene	92		7.128				ND	
77 trans-1,3-Dichloropropene	75		7.402				ND	
79 1,1,2-Trichloroethane	83		7.590				ND	
81 Tetrachloroethene	166		7.663				ND	
80 2-Hexanone	43		7.815				ND	
83 Chlorodibromomethane	129		7.986				ND	
84 Ethylene Dibromide	107		8.095				ND	
87 Chlorobenzene	112		8.576				ND	
88 Ethylbenzene	91		8.673				ND	
90 m-Xylene & p-Xylene	106		8.789				ND	
91 o-Xylene	106		9.221				ND	
92 Styrene	104		9.245				ND	
95 Bromoform	173		9.488				ND	
94 Isopropylbenzene	105		9.604				ND	
97 1,1,2,2-Tetrachloroethane	83		9.987				ND	
111 1,3-Dichlorobenzene	146		10.857				ND	
113 1,4-Dichlorobenzene	146		10.942				ND	
116 1,2-Dichlorobenzene	146		11.295				ND	
117 1,2-Dibromo-3-Chloropropan	75		12.013				ND	
119 1,2,4-Trichlorobenzene	180		12.694				ND	
S 124 Xylenes, Total	1		30.000				ND	

Reagents:

S_8260_IS_00272	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00230	Amount Added:	1.00	Units: uL	Run Reagent

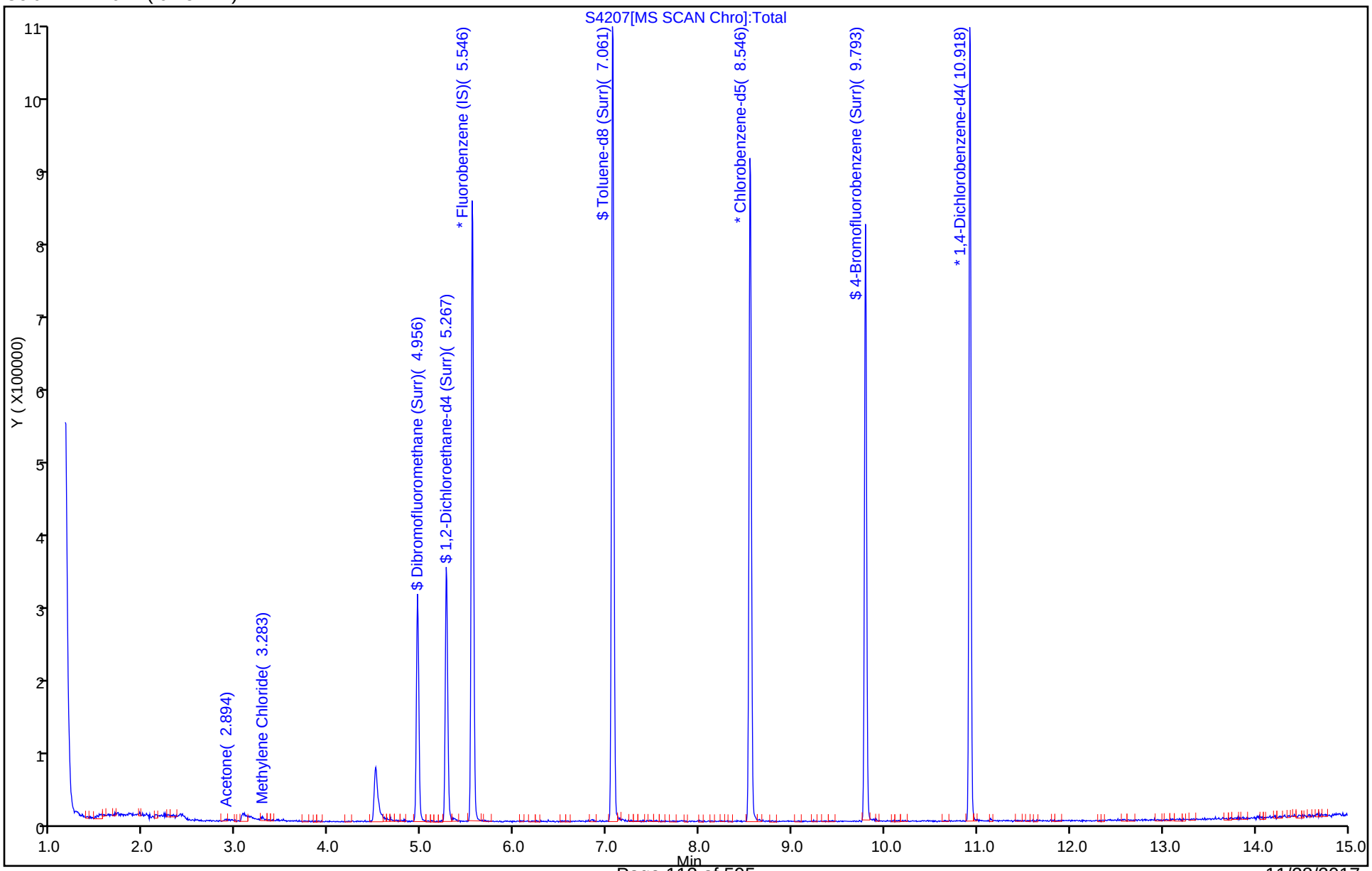
Report Date: 25-Nov-2017 09:01:26 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S4207.D

Injection Date:	25-Nov-2017 00:39:30	Instrument ID:	HP5973S	Operator ID:	KN
Lims ID:	480-127885-A-9	Lab Sample ID:	480-127885-9	Worklist Smp#:	15
Client ID:	TRIP BLANK				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



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

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1 Analy Batch No.: 385713

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2017 19:42 Calibration End Date: 11/05/2017 22:24 Calibration ID: 31908

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-385713/8	S3869.D
Level 2	IC 480-385713/9	S3870.D
Level 3	IC 480-385713/10	S3871.D
Level 4	IC 480-385713/11	S3872.D
Level 5	IC 480-385713/12	S3873.D
Level 6	ICIS 480-385713/13	S3874.D
Level 7	IC 480-385713/14	S3875.D
Level 8	IC 480-385713/15	S3876.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	+++++ 1.0602	0.3603 1.1048	0.5633 1.0549	0.9294	0.9537	Lin1	-0.825	1.0812			0.1000				0.9990		0.9900
Chloromethane	+++++ 1.6567	1.5151 1.7579	1.4112 1.7123	1.5889	1.4962	Ave		1.5912			0.1000	7.9		20.0			
Vinyl chloride	+++++ 1.3546	0.8332 1.4556	0.9217 1.4558	1.1935	1.2439	Lin1	-0.900	1.4488			0.1000				0.9990		0.9900
Butadiene	+++++ 1.4269	1.0095 1.5274	1.1526 1.4353	1.3666	1.3448	Ave		1.3233				13.6		20.0			
Bromomethane	+++++ 0.8672	0.8338 0.8668	0.8903 0.8925	0.6813	0.8137	Ave		0.8351			0.1000	8.8		20.0			
Chloroethane	+++++ 0.8923	0.6900 0.9667	0.6255 0.9358	0.8391	0.8204	Ave		0.8242			0.1000	15.3		20.0			
Dichlorofluoromethane	+++++ 1.9387	1.3491 1.9381	1.7489 1.9701	2.2209	1.9035	Ave		1.8670				14.3		20.0			
Trichlorofluoromethane	+++++ 1.6723	0.6945 1.8028	0.9551 1.7157	1.4635	1.3684	Lin1	-1.356	1.7441			0.1000				0.9980		0.9900
Ethyl ether	1.1941 1.3237	1.0485 1.3885	1.1592 1.4120	1.1656	1.2151	Ave		1.2383				10.1		20.0			
Acrolein	0.3637 0.2616	0.2587 0.2849	0.2872 0.2998	0.2455	0.2479	Ave		0.2812				13.8		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 0.9539	0.5377 0.9684	0.5246 0.9087	0.8904	0.8888	Lin1	-0.486	0.9402			0.1000				0.9980		0.9900
1,1-Dichloroethene	0.6086 1.1496	0.7117 1.2414	1.0693 1.2042	1.1160	1.0762	Lin1	-0.385	1.2083			0.1000				0.9990		0.9900
Acetone	+++++ 0.4721	0.6648 0.5017	0.4931 0.5381	0.4753	0.4250	Ave		0.5100			0.1000	15.0		20.0			
Iodomethane	+++++ 1.8382	1.0655 1.9475	1.2887 2.0693	1.4742	1.5936	Lin1	-1.488	2.0084							0.9970		0.9900

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1 Analy Batch No.: 385713

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2017 19:42 Calibration End Date: 11/05/2017 22:24 Calibration ID: 31908

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								
Carbon disulfide	+++++ 3.8255	2.7822 4.0567	2.7978 3.9871	3.3507	3.4948	Ave		3.4707			0.1000	15.2		20.0			
Allyl chloride	2.7598 2.4304	1.9215 2.6227	1.8002 2.6409	2.2170	2.1727	Ave		2.3206				15.1		20.0			
Methyl acetate	1.3704 1.3078	1.3046 1.4021	1.2917 1.4685	1.2954	1.1790	Ave		1.3274			0.1000	6.5		20.0			
Methylene Chloride	1.3191 1.2875	1.2561 1.3607	1.2011 1.3702	1.1919	1.2218	Ave		1.2760			0.1000	5.5		20.0			
2-Methyl-2-propanol	0.2152 0.1860	0.1629 0.1906	0.1793 0.2133	0.1813	0.1599	Ave		0.1861				10.9		20.0			
Methyl tert-butyl ether	3.4639 4.0459	3.4924 4.3190	3.9687 4.3094	3.7146	3.7303	Ave		3.8805			0.1000	8.6		20.0			
trans-1,2-Dichloroethene	0.9922 1.3056	1.1447 1.3475	1.1371 1.3403	1.2019	1.1625	Ave		1.2040			0.1000	10.1		20.0			
Acrylonitrile	0.5739 0.6533	0.5067 0.6898	0.6341 0.7068	0.5896	0.5773	Ave		0.6164				10.9		20.0			
Hexane	1.7142 2.1520	1.6101 2.2537	1.4967 2.1992	2.1078	2.0689	Ave		1.9503				15.1		20.0			
1,1-Dichloroethane	1.8721 2.4369	1.8917 2.5811	1.8725 2.5809	2.1961	2.2411	Ave		2.2090			0.2000	13.9		20.0			
Vinyl acetate	2.5911 3.5138	2.4350 3.6307	3.3494 3.6823	3.0186	3.0738	Ave		3.1619				14.8		20.0			
2,2-Dichloropropane	1.4474 1.6693	1.2529 1.7155	1.3829 1.6870	1.5077	1.5497	Ave		1.5266				10.6		20.0			
cis-1,2-Dichloroethene	1.1911 1.4473	1.1428 1.5021	1.3516 1.5339	1.3499	1.3642	Ave		1.3604			0.1000	10.2		20.0			
2-Butanone (MEK)	0.9123 0.8132	0.7075 0.8776	0.6761 0.9185	0.7329	0.7301	Ave		0.7960			0.1000	12.2		20.0			
Chlorobromomethane	+++++ 0.6788	0.6156 0.7421	0.6580 0.7571	0.6076	0.6339	Ave		0.6705				8.9		20.0			
Tetrahydrofuran	+++++ 0.5480	0.6130 0.5756	0.5977 0.6220	0.5455	0.4935	Ave		0.5708				7.9		20.0			
Chloroform	2.0691 2.1826	1.5959 2.2854	1.9664 2.3157	1.9455	2.0077	Ave		2.0460			0.2000	11.2		20.0			
1,1,1-Trichloroethane	1.4161 1.8911	1.4529 1.9775	1.4417 1.9823	1.7159	1.7632	Ave		1.7051			0.1000	14.1		20.0			
Cyclohexane	1.4978 2.3444	1.7292 2.5974	1.6965 2.5054	2.2862	2.3571	Ave		2.1268			0.1000	19.7		20.0			
Carbon tetrachloride	+++++ 1.7457	1.1917 1.8308	1.3062 1.8111	1.5488	1.5971	Ave		1.5759			0.1000	15.8		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: TestAmerica Buffalo Job No.: 480-127885-1 Analy Batch No.: 385713

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2017 19:42 Calibration End Date: 11/05/2017 22:24 Calibration ID: 31908

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-Dichloropropene	+++++ 1.7906	1.1583 1.8729	1.2853 1.8575	1.5882	1.6285	Ave		1.5973				17.6		20.0			
Benzene	4.4542 5.1839	4.4183 5.4547	4.4034 5.4596	4.6687	4.8193	Ave		4.8578			0.5000	9.3		20.0			
Isobutyl alcohol	0.1064 0.0983	0.0857 0.0987	0.0936 0.1071	0.0839	0.0832	Ave		0.0946				10.2		20.0			
1,2-Dichloroethane	1.8710 1.9261	1.7539 2.0408	1.9038 2.0889	1.7902	1.7845	Ave		1.8949			0.1000	6.4		20.0			
n-Heptane	1.9392 2.4825	1.7225 2.5619	1.9947 2.5182	2.1095	2.2995	Ave		2.2035				14.0		20.0			
Trichloroethene	0.9556 1.3572	0.9443 1.4396	1.0910 1.4625	1.2600	1.2641	Ave		1.2218			0.2000	16.7		20.0			
Methylcyclohexane	1.4597 2.1508	1.4746 2.3347	1.5281 2.2071	1.9793	1.9647	Ave		1.8874			0.1000	18.7		20.0			
1,2-Dichloropropane	1.2627 1.4214	1.2121 1.4760	1.3203 1.5352	1.2381	1.2660	Ave		1.3415			0.1000	9.0		20.0			
Dibromomethane	0.7418 0.8157	0.5875 0.8648	0.8113 0.8979	0.7027	0.7622	Ave		0.7730			0.1000	12.7		20.0			
1,4-Dioxane	+++++ 0.0089	+++++ 0.0090	0.0054 0.0096	0.0075	0.0084	Lin1	-0.188	0.0095							0.9990		0.9900
Bromodichloromethane	1.3370 1.6940	1.3848 1.8517	1.5596 1.8483	1.5321	1.5257	Ave		1.5916			0.2000	12.1		20.0			
2-Chloroethyl vinyl ether	+++++ 1.0482	0.7907 1.1021	0.9110 1.1439	0.8835	0.8954	Ave		0.9678				13.5		20.0			
cis-1,3-Dichloropropene	+++++ 2.0862	1.5037 2.2690	1.6926 2.3180	1.8692	1.9218	Ave		1.9515			0.2000	15.2		20.0			
4-Methyl-2-pentanone (MIBK)	0.8300 0.8865	0.6977 0.8984	0.9109 0.8945	0.8199	0.8114	Ave		0.8437			0.1000	8.4		20.0			
Toluene	1.2861 1.7113	1.3273 1.7789	1.4848 1.8310	1.4996	1.5549	Ave		1.5593			0.4000	12.9		20.0			
trans-1,3-Dichloropropene	0.6596 1.0140	0.7609 1.0608	0.8792 1.1188	0.8503	0.8475	Ave		0.8989			0.1000	17.3		20.0			
Ethyl methacrylate	0.9287 0.9477	0.6864 0.9890	0.9450 1.0426	0.8180	0.8578	Ave		0.9019				12.4		20.0			
1,1,2-Trichloroethane	0.3537 0.4746	0.4167 0.4880	0.4407 0.5269	0.4261	0.4232	Ave		0.4437			0.1000	11.9		20.0			
Tetrachloroethene	+++++ 0.7677	0.5270 0.7859	0.5838 0.8231	0.6532	0.7143	Ave		0.6936			0.2000	15.9		20.0			
1,3-Dichloropropane	0.8436 1.0393	0.8658 1.0734	0.9828 1.1358	0.9451	0.9592	Ave		0.9806				10.2		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: TestAmerica Buffalo Job No.: 480-127885-1 Analy Batch No.: 385713

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2017 19:42 Calibration End Date: 11/05/2017 22:24 Calibration ID: 31908

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-Hexanone	0.5010 0.6356	0.5554 0.6532	0.6632 0.6646	0.5369	0.5824	Ave		0.5990			0.1000	10.6		20.0			
Dibromochloromethane	0.5075 0.6723	0.4741 0.7051	0.5259 0.7598	0.5849	0.5624	Ave		0.5990			0.1000	17.1		20.0			
1,2-Dibromoethane	0.4852 0.6135	0.4655 0.6435	0.5892 0.6758	0.5663	0.5472	Ave		0.5733				12.8		20.0			
Chlorobenzene	1.5672 1.9374	1.4632 1.9660	1.6557 2.0541	1.6868	1.7333	Ave		1.7580			0.5000	11.8		20.0			
Ethylbenzene	2.8052 3.1857	2.4635 3.3041	2.8522 3.3094	2.8498	2.8787	Ave		2.9561			0.1000	9.8		20.0			
1,1,1,2-Tetrachloroethane	0.5161 0.7092	0.5196 0.7188	0.6460 0.7469	0.5921	0.6050	Ave		0.6317				14.1		20.0			
m,p-Xylene	0.8083 1.2472	1.0168 1.2815	1.1411 1.3495	1.0692	1.1293	Ave		1.1304			0.1000	15.1		20.0			
o-Xylene	0.9165 1.2159	0.8764 1.2612	1.0798 1.3072	1.0896	1.1003	Ave		1.1059			0.3000	13.9		20.0			
Styrene	1.4816 2.1012	1.5662 2.1699	1.7310 2.2362	1.8074	1.7916	Ave		1.8606			0.3000	15.1		20.0			
Bromoform	+++++ 0.4634	0.2847 0.4785	0.3206 +++++	0.3638	0.3913	Ave		0.3837			0.1000	20.0		20.0			
Isopropylbenzene	2.2988 3.1121	2.5062 3.2764	2.5665 3.3439	2.8406	2.9057	Ave		2.8563			0.1000	13.2		20.0			
Bromobenzene	0.6093 0.8089	0.6146 0.8654	0.7863 0.9255	0.7298	0.7365	Ave		0.7595				14.7		20.0			
1,1,2,2-Tetrachloroethane	0.6485 0.7742	0.5707 0.8140	0.7817 0.8588	0.7184	0.6938	Ave		0.7325			0.3000	12.8		20.0			
1,2,3-Trichloropropane	0.1812 0.2516	0.2203 0.2769	0.3098 0.2863	0.2452	0.2368	Ave		0.2510				16.1		20.0			
N-Propylbenzene	2.8878 3.7279	2.6697 3.8493	3.0708 3.8472	3.4050	3.3868	Ave		3.3556				13.3		20.0			
trans-1,4-Dichloro-2-butene	0.1108 0.2391	0.0862 0.2733	0.1326 0.3235	0.1517	0.1991	Ave		0.1895				44.2	*	20.0			
2-Chlorotoluene	+++++ 0.7562	0.5823 0.8116	0.6694 0.8534	0.6911	0.6951	Ave		0.7227				12.7		20.0			
1,3,5-Trimethylbenzene	2.0309 2.6179	2.0508 2.7871	2.2512 2.8258	2.4137	2.4923	Ave		2.4337				12.6		20.0			
4-Chlorotoluene	0.5076 0.8089	0.6585 0.8399	0.6418 0.8971	0.7171	0.7383	Ave		0.7261				17.2		20.0			
tert-Butylbenzene	0.5185 0.6415	0.4230 0.6597	0.5290 0.6991	0.5470	0.5772	Ave		0.5744				15.6		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: TestAmerica Buffalo Job No.: 480-127885-1 Analy Batch No.: 385713

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2017 19:42 Calibration End Date: 11/05/2017 22:24 Calibration ID: 31908

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								
1,2,4-Trimethylbenzene	2.0937 2.7516	2.0435 2.8434	2.3974 2.8863	2.5372	2.5247	Ave		2.5097				12.7		20.0			
sec-Butylbenzene	2.5379 3.3419	2.5746 3.4663	2.6997 3.4724	3.0681	3.0921	Ave		3.0316				12.8		20.0			
1,3-Dichlorobenzene	1.1424 1.5567	1.2938 1.6494	1.4037 1.6805	1.4322	1.4222	Ave		1.4476			0.6000	12.4		20.0			
4-Isopropyltoluene	2.2550 2.9814	2.2527 3.1387	2.4013 3.0820	2.7492	2.7930	Ave		2.7067				13.4		20.0			
1,4-Dichlorobenzene	1.2559 1.6005	1.3048 1.6768	1.4526 1.7326	1.4599	1.4474	Ave		1.4913			0.5000	11.3		20.0			
n-Butylbenzene	1.9349 2.6253	1.9952 2.7304	2.1167 2.7479	2.3579	2.4394	Ave		2.3685				13.7		20.0			
1,2-Dichlorobenzene	1.0553 1.4823	1.1997 1.5887	1.3594 1.6351	1.3404	1.4048	Ave		1.3832			0.4000	13.9		20.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.1660	0.1246 0.1851	0.1830 0.1978	0.1646	0.1580	Ave		0.1684			0.0500	14.1		20.0			
1,2,4-Trichlorobenzene	0.8316 1.0804	0.7236 1.1655	0.9132 1.2345	0.9661	1.0134	Ave		0.9910			0.2000	17.1		20.0			
Hexachlorobutadiene	0.3378 0.5096	0.4018 0.5574	0.3966 0.5860	0.4932	0.4985	Ave		0.4726				18.1		20.0			
Naphthalene	2.2220 2.8271	1.9604 3.0639	2.4566 3.1660	2.5208	2.4953	Ave		2.5890				15.8		20.0			
1,2,3-Trichlorobenzene	0.9011 1.0212	0.7245 1.1162	0.8759 1.1608	0.9041	0.9477	Ave		0.9564				14.7		20.0			
Dibromofluoromethane (Surr)	1.2762 1.2417	1.2515 1.3045	1.2702 1.2180	1.2892	1.2596	Ave		1.2639				2.2		20.0			
1,2-Dichloroethane-d4 (Surr)	0.8279 0.8311	0.8244 0.8408	0.8304 0.7948	0.8246	0.8169	Ave		0.8239				1.6		20.0			
Toluene-d8 (Surr)	2.5608 2.5383	2.4974 2.5347	2.6060 2.4862	2.5312	2.5019	Ave		2.5321				1.5		20.0			
4-Bromofluorobenzene (Surr)	0.8475 0.8459	0.8354 0.8510	0.8481 0.8257	0.8430	0.8466	Ave		0.8429				1.0		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
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1 Analy Batch No.: 385713

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2017 19:42 Calibration End Date: 11/05/2017 22:24 Calibration ID: 31908

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-385713/8	S3869.D
Level 2	IC 480-385713/9	S3870.D
Level 3	IC 480-385713/10	S3871.D
Level 4	IC 480-385713/11	S3872.D
Level 5	IC 480-385713/12	S3873.D
Level 6	ICIS 480-385713/13	S3874.D
Level 7	IC 480-385713/14	S3875.D
Level 8	IC 480-385713/15	S3876.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	Lin1	+++++ 146858	1930 299643	6260 621226	25356	52532	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	+++++ 229477	8115 476764	15683 1008385	43348	82413	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Lin1	+++++ 187633	4463 394780	10243 857344	32559	68514	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	+++++ 197650	5407 414255	12809 845247	37284	74073	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	+++++ 120121	4466 235081	9894 525610	18587	44819	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	+++++ 123601	3696 262174	6951 551086	22892	45187	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	+++++ 268545	7226 525639	19436 1160180	60589	104848	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Lin1	+++++ 231649	3720 488928	10614 1010390	39926	75376	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	3200 183362	5616 376576	12882 831551	31798	66928	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Ave	4873 181196	6927 386387	15956 882841	33483	68283	2.50 125	5.00 250	10.0 500	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Lin1	+++++ 132138	2880 262635	5830 535140	24291	48959	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethene	FB	Lin1	1631 159247	3812 336677	11883 709166	30446	59278	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Ave	+++++ 327006	17803 680303	27397 1584578	64828	117039	+++++ 125	5.00 250	10.0 500	25.0	50.0
Iodomethane	FB	Lin1	+++++ 254617	5707 528194	14322 1218612	40218	87780	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	+++++ 529901	14902 1100237	31092 2348008	91412	192501	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1 Analy Batch No.: 385713

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2017 19:42 Calibration End Date: 11/05/2017 22:24 Calibration ID: 31908

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
Allyl chloride	FB	Ave	7396 336655	10292 711310	20006 1555239	60483	119674	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	7345 362296	13975 760545	28710 1729626	70680	129878	1.00 50.0	2.00 100	4.00 200	10.0	20.0
Methylene Chloride	FB	Ave	3535 178343	6728 369025	13348 806927	32517	67297	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	5767 257578	8727 517037	19925 1255912	49456	88097	5.00 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	9283 560429	18706 1171363	44105 2537835	101340	205473	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	2659 180848	6131 365445	12637 789331	32789	64035	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	15379 904882	27140 1870795	70470 4162634	160860	317979	5.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	4594 298093	8624 611241	16633 1295098	57503	113958	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	5017 337554	10132 700023	20809 1519887	59912	123444	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	13888 973456	26085 1969400	74446 4337114	164704	338623	1.00 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	3879 231223	6711 465252	15368 993515	41133	85362	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	3192 200480	6121 407401	15021 903355	36828	75145	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	12224 563214	18948 1190075	37569 2704628	99971	201072	2.50 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	+++++ 94028	3297 201275	7313 445879	16577	34918	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	+++++ 151808	6567 312213	13284 732599	29766	54362	+++++ 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	5545 302324	8548 619818	21853 1363738	53077	110586	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1-Trichloroethane	FB	Ave	3795 261957	7782 536329	16022 1167418	46812	97123	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	4014 324748	9262 704440	18854 1475473	62372	129833	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	+++++ 241807	6383 496539	14516 1066582	42253	87974	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	+++++ 248036	6204 507964	14284 1093889	43329	89702	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Benzene	FB	Ave	11937 718070	23665 1479370	48936 3215229	127369	265455	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1 Analy Batch No.: 385713

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2017 19:42 Calibration End Date: 11/05/2017 22:24 Calibration ID: 31908

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
Isobutyl alcohol	FB	Ave	7127 340464	11479 669295	25998 1576647	57201	114545	12.5 625	25.0 1250	50.0 2500	125	250
1,2-Dichloroethane	FB	Ave	5014 266801	9394 553503	21157 1230173	48840	98294	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	5197 343874	9226 694815	22167 1482983	57549	126661	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	2561 187994	5058 390446	12124 861292	34375	69630	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	3912 297920	7898 633191	16982 1299806	53997	108221	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	3384 196891	6492 400301	14673 904072	33778	69736	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromomethane	FB	Ave	1988 112991	3147 234545	9016 528808	19172	41982	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBNZ d5	Lin1	+++++ 48985	+++++ 99432	2407 223453	8159	18653	+++++ 500	+++++ 1000	40.0 2000	100	200
Bromodichloromethane	FB	Ave	3583 234645	7417 502198	17332 1088467	41797	84039	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	+++++ 145191	4235 298900	10124 673626	24102	49321	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	+++++ 288980	8054 615389	18810 1365074	50994	105858	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Ave	22437 1225859	37903 2487204	100626 5196509	224373	452888	2.50 125	5.00 250	10.0 500	25.0	50.0
Toluene	CBNZ d5	Ave	6953 473313	14422 985030	32805 2127427	82078	173579	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	3566 280459	8267 587363	19424 1299977	46539	94611	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl methacrylate	CBNZ d5	Ave	5021 262107	7458 547632	20877 1211392	44772	95759	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2-Trichloroethane	CBNZ d5	Ave	1912 131257	4528 270206	9737 612196	23319	47241	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrachloroethene	CBNZ d5	Ave	+++++ 212329	5726 435168	12899 956397	35751	79738	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichloropropane	CBNZ d5	Ave	4561 287436	9407 594381	21713 1319655	51728	107083	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Hexanone	CBNZ d5	Ave	13543 879018	30172 1808330	73266 3860892	146924	325072	2.50 125	5.00 250	10.0 500	25.0	50.0
Dibromochloromethane	CBNZ d5	Ave	2744 185955	5151 390423	11619 882817	32011	62788	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromoethane	CBNZ d5	Ave	2623 169682	5058 356328	13018 785260	30994	61091	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1 Analy Batch No.: 385713

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2017 19:42 Calibration End Date: 11/05/2017 22:24 Calibration ID: 31908

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
Chlorobenzene	CBNZ d5	Ave	8473 535831	15898 1088618	36579 2386658	92324	193490	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethylbenzene	CBNZ d5	Ave	15166 881074	26767 1829567	63014 3845180	155974	321362	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	2790 196148	5646 398041	14273 867868	32406	67542	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
m,p-Xylene	CBNZ d5	Ave	4370 344945	11048 709599	25211 1567929	58522	126071	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
o-Xylene	CBNZ d5	Ave	4955 336287	9522 698349	23856 1518798	59636	122830	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Styrene	CBNZ d5	Ave	8010 581132	17017 1201522	38243 2598212	98920	200002	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromoform	CBNZ d5	Ave	+++++ 128152	3093 264962	7084 +++++	19914	43681	+++++ 25.0	1.00 50.0	2.00 +++++	5.00	10.0
Isopropylbenzene	DCBd 4	Ave	12595 876253	27160 1785799	57195 3750728	153136	321778	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromobenzene	DCBd 4	Ave	3338 227750	6661 471676	17524 1038119	39345	81563	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	3553 217976	6185 443665	17420 963293	38728	76828	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichloropropane	DCBd 4	Ave	993 70831	2387 150919	6903 321189	13221	26222	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
N-Propylbenzene	DCBd 4	Ave	15822 1049652	28932 2098021	68434 4315304	183565	375062	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	607 67321	934 148983	2954 362877	8179	22048	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chlorotoluene	DCBd 4	Ave	+++++ 212909	6311 442358	14918 957199	37255	76972	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	11127 737120	22225 1519079	50170 3169659	130125	276002	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Chlorotoluene	DCBd 4	Ave	2781 227749	7136 457784	14304 1006213	38658	81765	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
tert-Butylbenzene	DCBd 4	Ave	2841 180613	4584 359593	11789 784160	29491	63916	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	11471 774765	22146 1549776	53428 3237496	136782	279590	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
sec-Butylbenzene	DCBd 4	Ave	13905 940967	27902 1889275	60164 3894832	165401	342424	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,3-Dichlorobenzene	DCBd 4	Ave	6259 438315	14021 898981	31283 1884924	77212	157497	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Isopropyltoluene	DCBd 4	Ave	12355 839452	24413 1710717	53515 3457033	148208	309302	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1 Analy Batch No.: 385713

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (20) ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/05/2017 19:42 Calibration End Date: 11/05/2017 22:24 Calibration ID: 31908

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
1,4-Dichlorobenzene	DCBd 4	Ave	6881 450639	14141 913912	32373 1943419	78704	160290	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Butylbenzene	DCBd 4	Ave	10601 739196	21623 1488169	47171 3082240	127113	270141	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichlorobenzene	DCBd 4	Ave	5782 417359	13001 865936	30294 1834040	72261	155571	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	+++++ 46747	1350 100893	4079 221840	8876	17495	+++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	4556 304196	7842 635229	20351 1384690	52081	112224	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Hexachlorobutadiene	DCBd 4	Ave	1851 143490	4354 303829	8838 657352	26589	55203	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Naphthalene	DCBd 4	Ave	12174 796009	21246 1669976	54746 3551226	135895	276327	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	4937 287522	7852 608393	19521 1301981	48738	104944	0.500 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromofluoromethane (Surr)	FB	Ave	171004 172003	167579 176903	176456 179322	175852	173448	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	110938 115116	110389 114019	115350 117022	112484	112493	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
Toluene-d8 (Surr)	CBNZ d5	Ave	692239 702037	678361 701757	719699 722187	692679	698243	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	229096 233945	226924 235609	234216 239858	230686	236278	25.0 25.0	25.0 25.0	25.0 25.0	25.0	25.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3869.D
Lims ID: IC 0.5
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 05-Nov-2017 19:42:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 0.5
Misc. Info.: 480-0067029-008
Operator ID: AS/AM Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Nov-2017 14:29:40 Calib Date: 06-Nov-2017 02:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3887.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK039

First Level Reviewer: moffata Date: 06-Nov-2017 10:54:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.552	5.552	0.000	98	133996	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.552	8.552	0.000	86	270322	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.924	10.924	0.000	96	273943	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.956	4.956	0.000	70	171004	25.0	25.2	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.273	5.273	-0.001	0	110938	25.0	25.1	
$ 5 Toluene-d8 (Surr)	98	7.067	7.067	0.000	93	692239	25.0	25.3	
$ 6 4-Bromofluorobenzene (Surr	174	9.793	9.793	0.000	88	229096	25.0	25.1	
10 Dichlorodifluoromethane	85		1.300				ND	ND	
12 Chloromethane	50		1.489				ND	ND	
13 Vinyl chloride	62		1.580				ND	ND	
151 Butadiene	54		1.604				ND	ND	
14 Bromomethane	94		1.908				ND	ND	
15 Chloroethane	64		2.006				ND	ND	
16 Dichlorofluoromethane	67		2.225				ND	ND	
17 Trichlorofluoromethane	101	2.237	2.231	0.006	34	2678	0.5000	1.06	
18 Ethyl ether	59	2.541	2.535	0.006	68	3200	0.5000	0.4821	
20 Acrolein	56	2.705	2.711	-0.006	43	4873	2.50	3.23	M
21 1,1,2-Trichloro-1,2,2-trif	101		2.742				ND	ND	
22 1,1-Dichloroethene	96	2.790	2.760	0.030	1	1631	0.5000	0.5704	
23 Acetone	43	2.876	2.876	0.000	93	10586	2.50	3.87	M
25 Iodomethane	142	2.918	2.924	-0.006	49	2237	0.5000	0.9485	
26 Carbon disulfide	76	2.961	2.967	-0.006	74	6153	0.5000	0.3308	
28 3-Chloro-1-propene	41	3.131	3.131	0.000	40	7396	0.5000	0.5946	M
27 Methyl acetate	43	3.186	3.180	0.006	72	7345	1.00	1.03	
30 Methylene Chloride	84	3.277	3.283	-0.006	17	3535	0.5000	0.5169	M
31 2-Methyl-2-propanol	59	3.441	3.441	0.000	52	5767	5.00	5.78	
32 Methyl tert-butyl ether	73	3.502	3.496	0.006	74	9283	0.5000	0.4463	
34 trans-1,2-Dichloroethene	96	3.508	3.514	-0.006	32	2659	0.5000	0.4121	
33 Acrylonitrile	53	3.569	3.557	0.012	89	15379	5.00	4.65	
35 Hexane	57	3.721	3.721	0.000	59	4594	0.5000	0.4395	

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	3.928	3.934	-0.006	1	5017	0.5000	0.4237	
37 Vinyl acetate	43	4.001	3.989	0.012	91	13888	1.00	0.8195	
44 2,2-Dichloropropane	77	4.469	4.457	0.012	16	3879	0.5000	0.4741	
45 cis-1,2-Dichloroethene	96	4.482	4.488	-0.006	1	3192	0.5000	0.4378	
43 2-Butanone (MEK)	43	4.542	4.524	0.018	89	12224	2.50	2.87	
48 Chlorobromomethane	128	4.725	4.725	0.000	28	1113	0.5000	0.3097	
49 Tetrahydrofuran	42	4.768	4.755	0.013	62	5230	1.00	1.71	
50 Chloroform	83	4.804	4.804	0.000	46	5545	0.5000	0.5056	
51 1,1,1-Trichloroethane	97	4.932	4.926	0.006	1	3795	0.5000	0.4152	
52 Cyclohexane	56	4.932	4.938	-0.006	14	4014	0.5000	0.3521	
55 Carbon tetrachloride	117	5.066	5.066	0.000	38	2620	0.5000	0.3102	
54 1,1-Dichloropropene	75	5.084	5.078	0.006	3	2020	0.5000	0.2359	
57 Benzene	78	5.279	5.279	0.000	33	11937	0.5000	0.4585	
53 Isobutyl alcohol	43	5.297	5.279	0.018	63	7127	12.5	14.1	
58 1,2-Dichloroethane	62	5.339	5.339	0.000	0	5014	0.5000	0.4937	
59 n-Heptane	43	5.467	5.467	0.000	43	5197	0.5000	0.4400	
62 Trichloroethene	95	5.899	5.893	0.006	38	2561	0.5000	0.3911	
64 Methylcyclohexane	83	6.027	6.021	0.006	24	3912	0.5000	0.3867	
65 1,2-Dichloropropane	63	6.130	6.130	0.000	25	3384	0.5000	0.4706	
67 Dibromomethane	93	6.264	6.264	0.000	58	1988	0.5000	0.4798	
66 1,4-Dioxane	88		6.282				ND	ND	
68 Dichlorobromomethane	83	6.428	6.416	0.012	6	3583	0.5000	0.4200	
69 2-Chloroethyl vinyl ether	63	6.702	6.696	0.006	40	1513	0.5000	0.2917	
72 cis-1,3-Dichloropropene	75	6.842	6.836	0.006	18	3371	0.5000	0.3223	
73 4-Methyl-2-pentanone (MIBK	43	6.988	6.982	0.006	86	22437	2.50	2.46	M
74 Toluene	92	7.134	7.134	0.000	52	6953	0.5000	0.4124	
77 trans-1,3-Dichloropropene	75	7.414	7.402	0.012	29	3566	0.5000	0.3669	
75 Ethyl methacrylate	69	7.444	7.450	-0.006	1	5021	0.5000	0.5149	
79 1,1,2-Trichloroethane	83	7.596	7.590	0.006	2	1912	0.5000	0.3985	
81 Tetrachloroethene	166	7.676	7.669	0.007	45	2055	0.5000	0.2740	
82 1,3-Dichloropropane	76	7.761	7.755	0.006	51	4561	0.5000	0.4301	
80 2-Hexanone	43	7.834	7.822	0.012	92	13543	2.50	2.09	
83 Chlorodibromomethane	129	7.998	7.992	0.006	1	2744	0.5000	0.4237	
84 Ethylene Dibromide	107	8.101	8.101	0.000	39	2623	0.5000	0.4231	
87 Chlorobenzene	112	8.582	8.582	0.000	20	8473	0.5000	0.4457	
88 Ethylbenzene	91	8.673	8.673	0.000	38	15166	0.5000	0.4745	
89 1,1,1,2-Tetrachloroethane	131	8.679	8.673	0.006	1	2790	0.5000	0.4084	
90 m-Xylene & p-Xylene	106	8.795	8.795	0.000	0	4370	0.5000	0.3575	
91 o-Xylene	106	9.227	9.221	0.006	53	4955	0.5000	0.4144	
92 Styrene	104	9.245	9.251	-0.006	38	8010	0.5000	0.3981	
95 Bromoform	173	9.495	9.495	-0.001	15	1376	0.5000	0.3316	
94 Isopropylbenzene	105	9.604	9.604	0.000	64	12595	0.5000	0.4024	
101 Bromobenzene	156	9.951	9.945	0.006	41	3338	0.5000	0.4011	
97 1,1,2,2-Tetrachloroethane	83	9.987	9.987	0.000	1	3553	0.5000	0.4427	
99 N-Propylbenzene	91	10.024	10.024	0.000	75	15822	0.5000	0.4303	
100 1,2,3-Trichloropropane	110	10.030	10.024	0.006	1	993	0.5000	0.3610	
98 trans-1,4-Dichloro-2-buten	53	10.030	10.036	-0.006	1	607	0.5000	0.2923	
103 2-Chlorotoluene	126	10.127	10.127	0.000	63	2137	0.5000	0.2698	
102 1,3,5-Trimethylbenzene	105	10.200	10.200	0.000	24	11127	0.5000	0.4172	
105 4-Chlorotoluene	126	10.237	10.237	0.000	44	2781	0.5000	0.3495	
106 tert-Butylbenzene	134	10.517	10.517	0.000	55	2841	0.5000	0.4514	
107 1,2,4-Trimethylbenzene	105	10.571	10.571	0.000	37	11471	0.5000	0.4171	

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	10.723	10.723	0.000	51	13905	0.5000	0.4186	
111 1,3-Dichlorobenzene	146	10.857	10.857	0.000	28	6259	0.5000	0.3946	
110 4-Isopropyltoluene	119	10.863	10.863	0.000	62	12355	0.5000	0.4166	
113 1,4-Dichlorobenzene	146	10.942	10.942	0.000	31	6881	0.5000	0.4211	
115 n-Butylbenzene	91	11.247	11.247	0.000	64	10601	0.5000	0.4085	
116 1,2-Dichlorobenzene	146	11.295	11.295	0.000	52	5782	0.5000	0.3815	
117 1,2-Dibromo-3-Chloropropan	75	12.019	12.019	0.000	1	337	0.5000	0.1826	M
119 1,2,4-Trichlorobenzene	180	12.701	12.694	0.007	15	4556	0.5000	0.4195	
120 Hexachlorobutadiene	225	12.810	12.804	0.006	0	1851	0.5000	0.3574	M
121 Naphthalene	128	12.907	12.907	0.000	45	12174	0.5000	0.4291	
122 1,2,3-Trichlorobenzene	180	13.114	13.108	0.006	21	4937	0.5000	0.4711	
S 123 Total BTEX	1				0			2.12	
S 124 Xylenes, Total	1				0			0.7719	
S 125 1,2-Dichloroethene, Total	1				0			0.8498	
S 126 1,3-Dichloropropene, Total	1				0			0.6892	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00114	Amount Added:	0.50	Units: uL	
GAS CORP mix_00249	Amount Added:	0.50	Units: uL	
S_8260_IS_00271	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00238	Amount Added:	1.00	Units: uL	Run Reagent

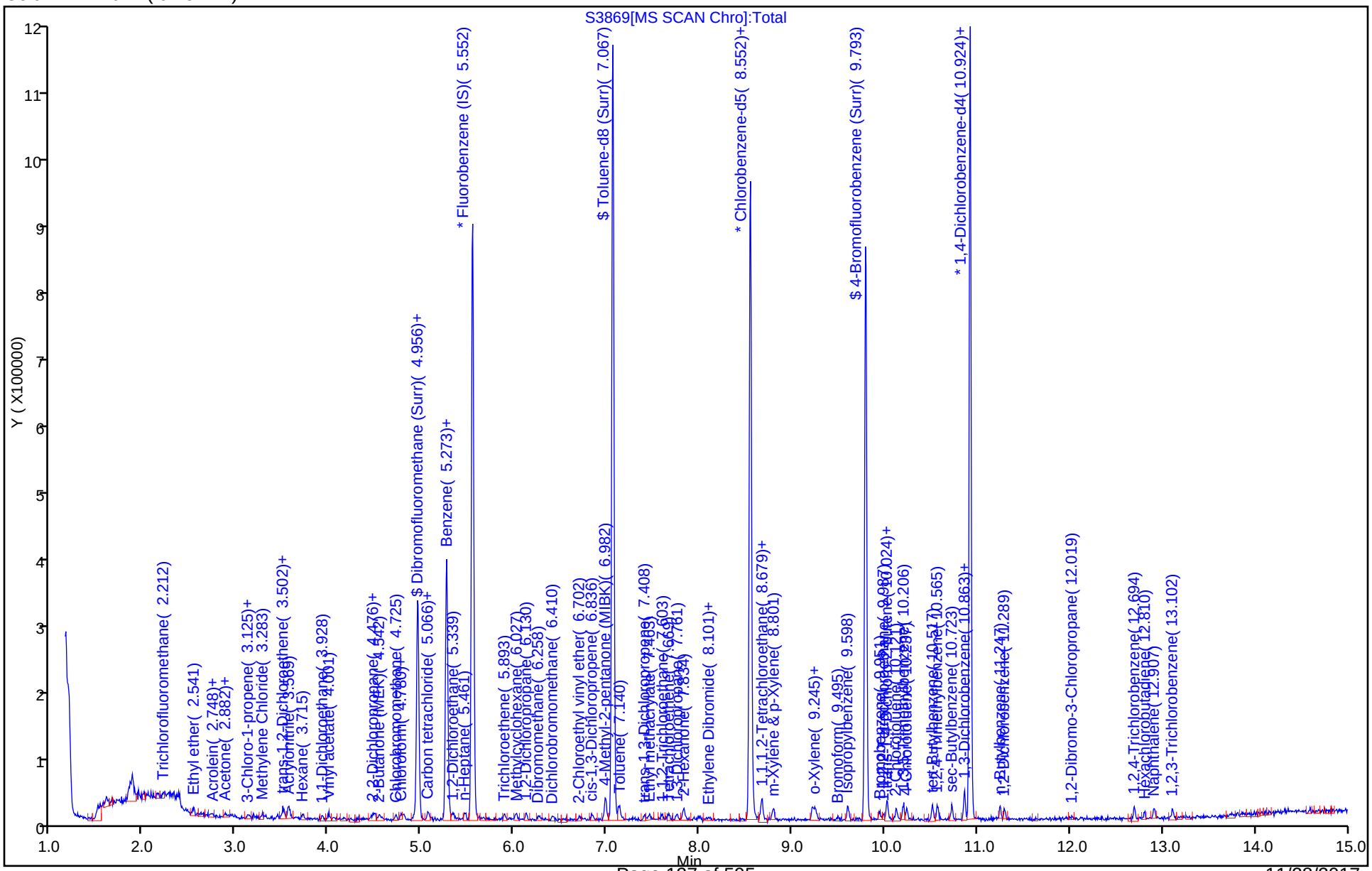
Report Date: 06-Nov-2017 14:29:41 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3869.D

Injection Date:	05-Nov-2017 19:42:30	Instrument ID:	HP5973S	Operator ID:	AS/AM
Lims ID:	IC 0.5			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

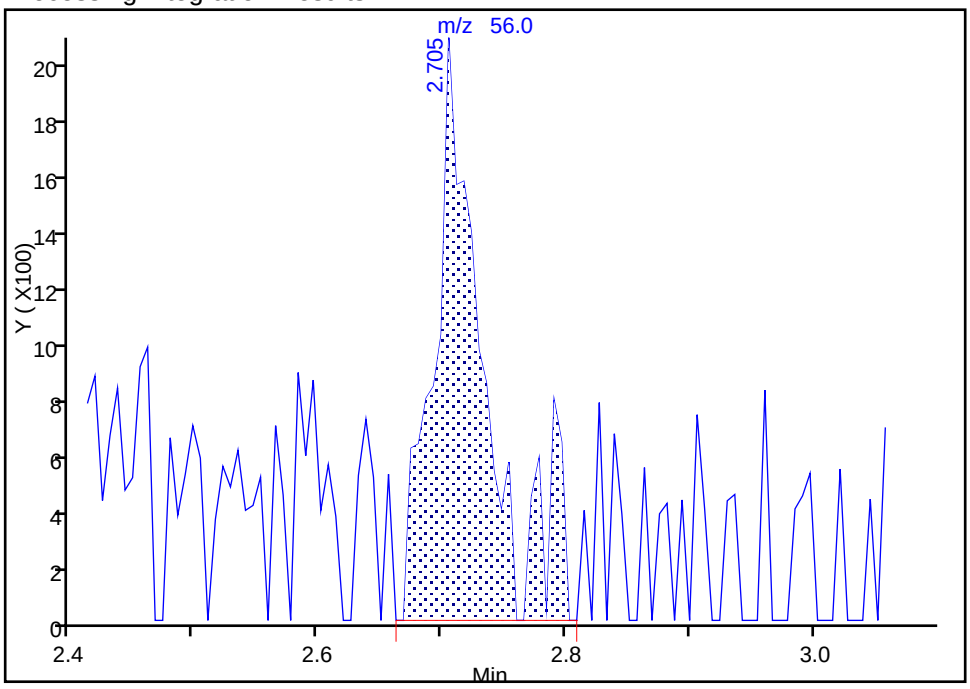
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Injection Date: 05-Nov-2017 19:42:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: AS/AM ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

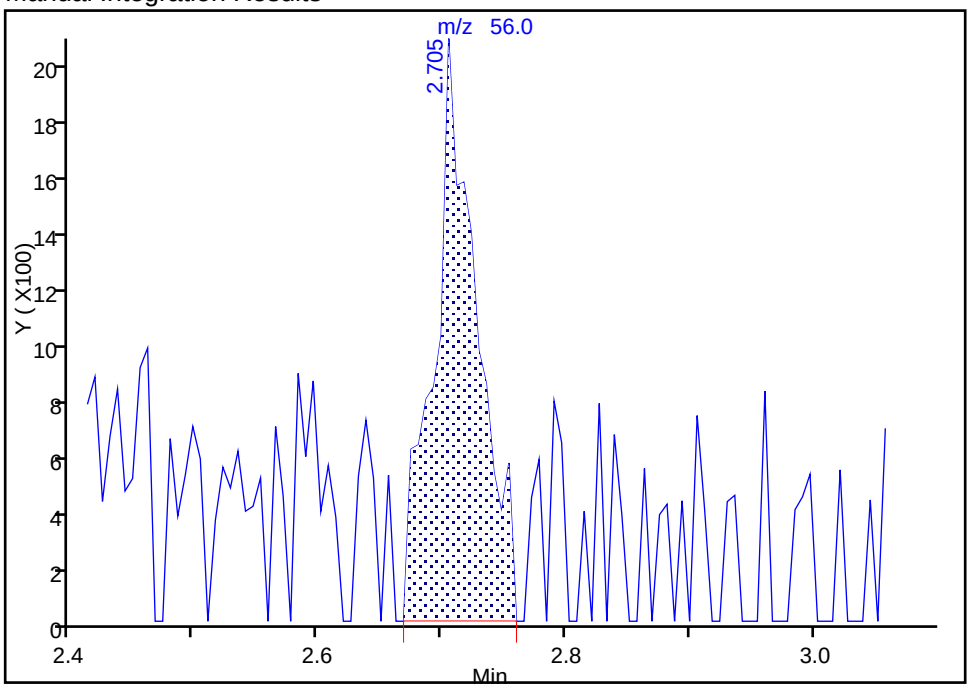
Processing Integration Results

RT: 2.71
Area: 5744
Amount: 3.978460
Amount Units: ug/L



Manual Integration Results

RT: 2.71
Area: 4873
Amount: 3.233678
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 11:09:07
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

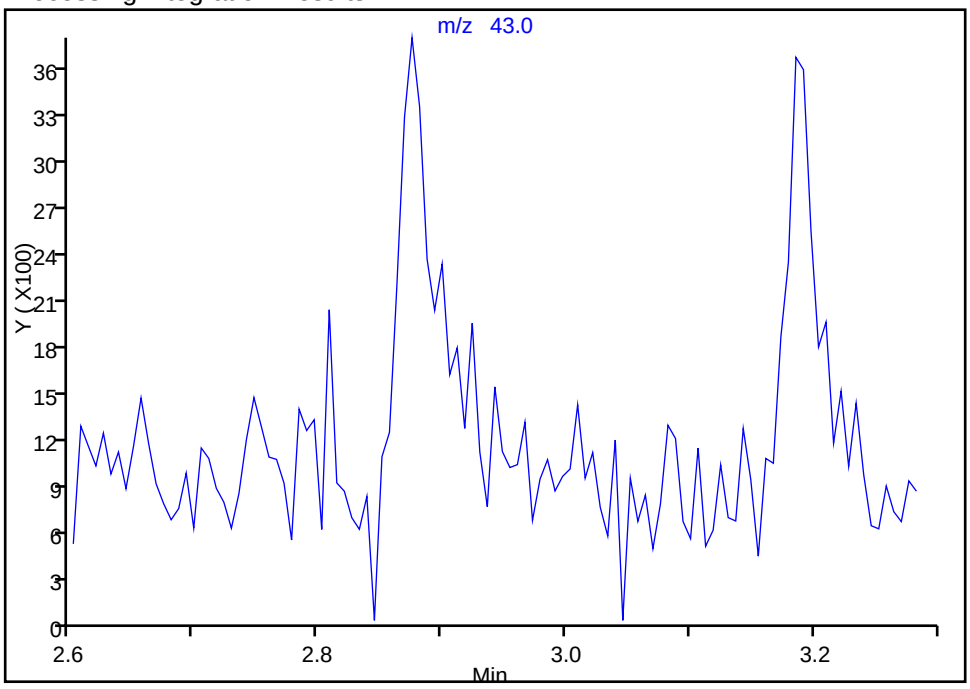
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Injection Date: 05-Nov-2017 19:42:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: AS/AM ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

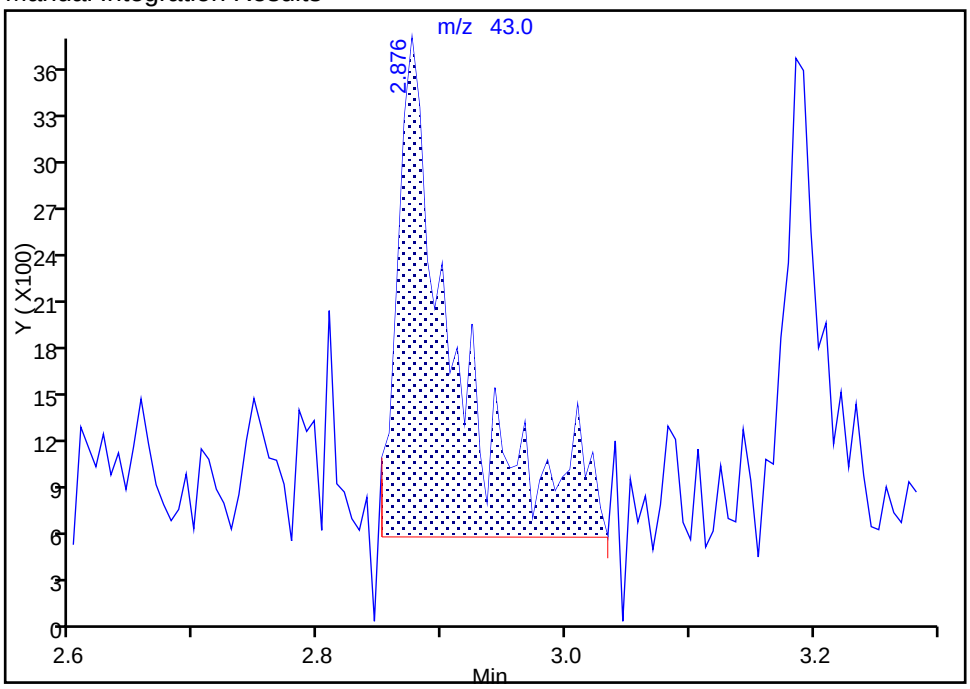
Not Detected
Expected RT: 2.88

Processing Integration Results



Manual Integration Results

RT: 2.88
Area: 10586
Amount: 3.872660
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 11:07:30
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

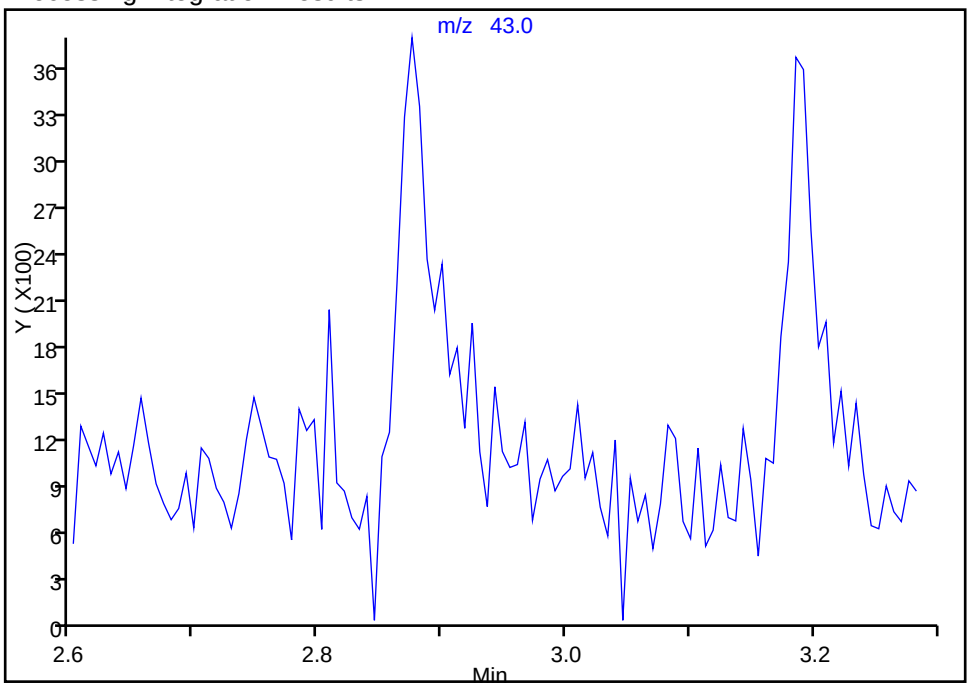
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Injection Date: 05-Nov-2017 19:42:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: AS/AM ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

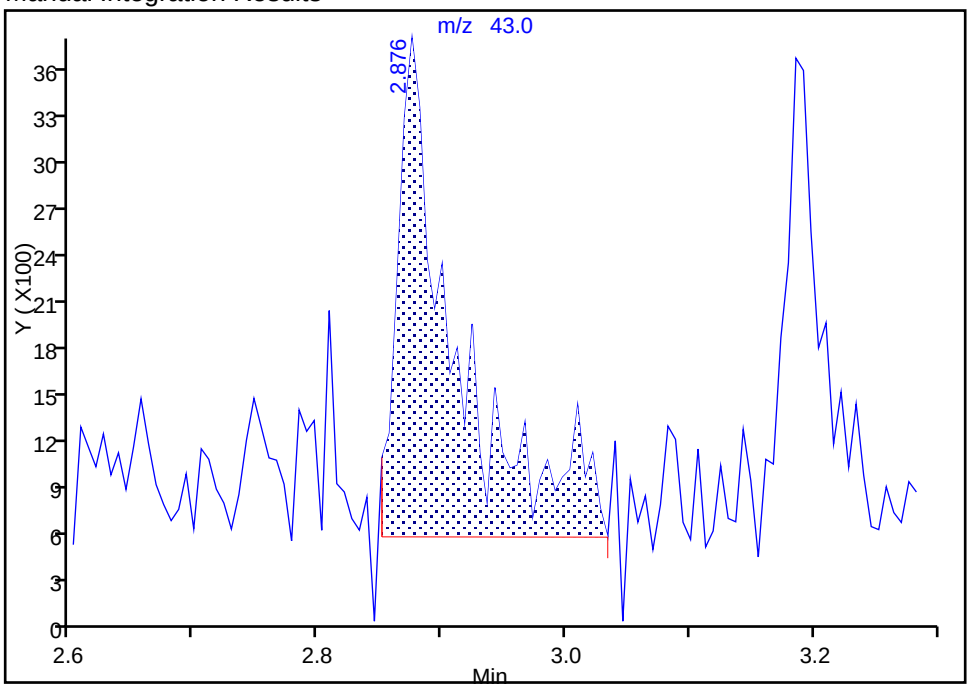
Not Detected
Expected RT: 2.88

Processing Integration Results



Manual Integration Results

RT: 2.88
Area: 10586
Amount: 3.872660
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 11:08:30
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

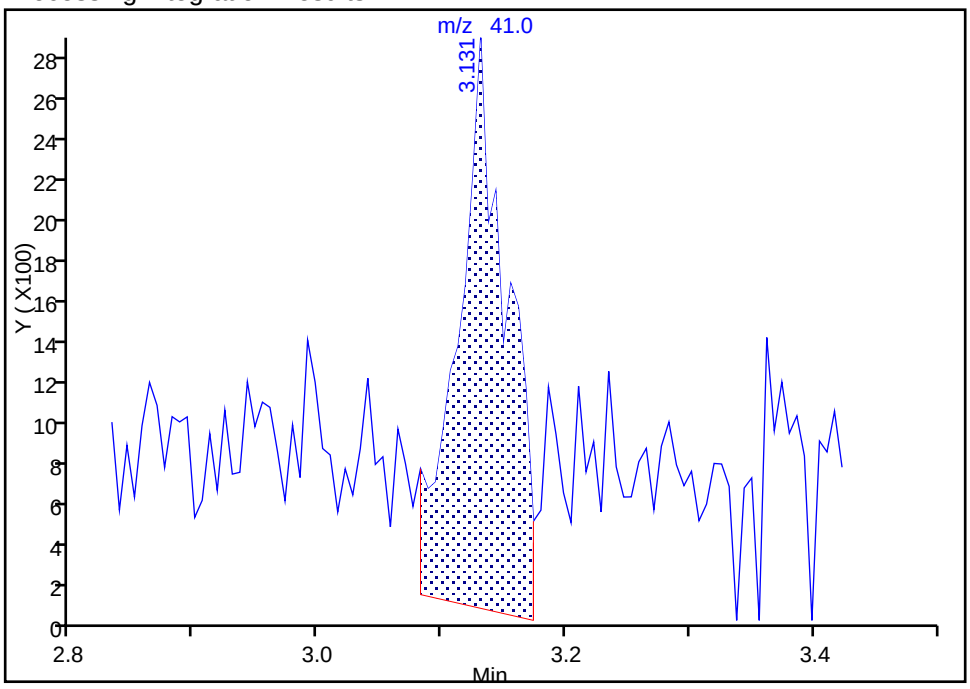
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Injection Date: 05-Nov-2017 19:42:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: AS/AM ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

28 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

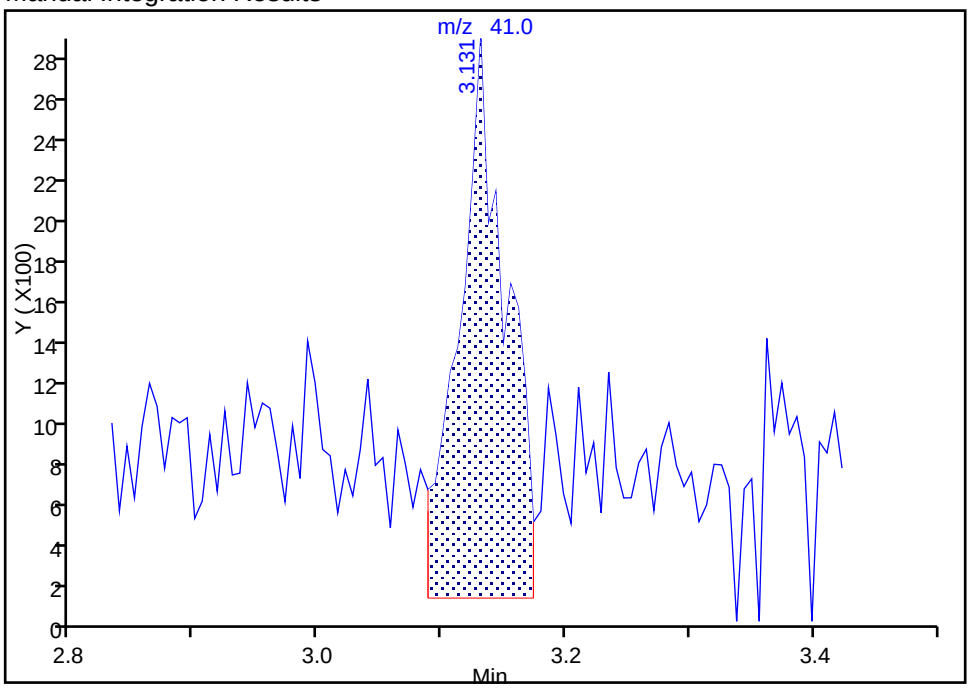
Processing Integration Results

RT: 3.13
Area: 7926
Amount: 0.641306
Amount Units: ug/L



Manual Integration Results

RT: 3.13
Area: 7396
Amount: 0.594615
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 10:58:27
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

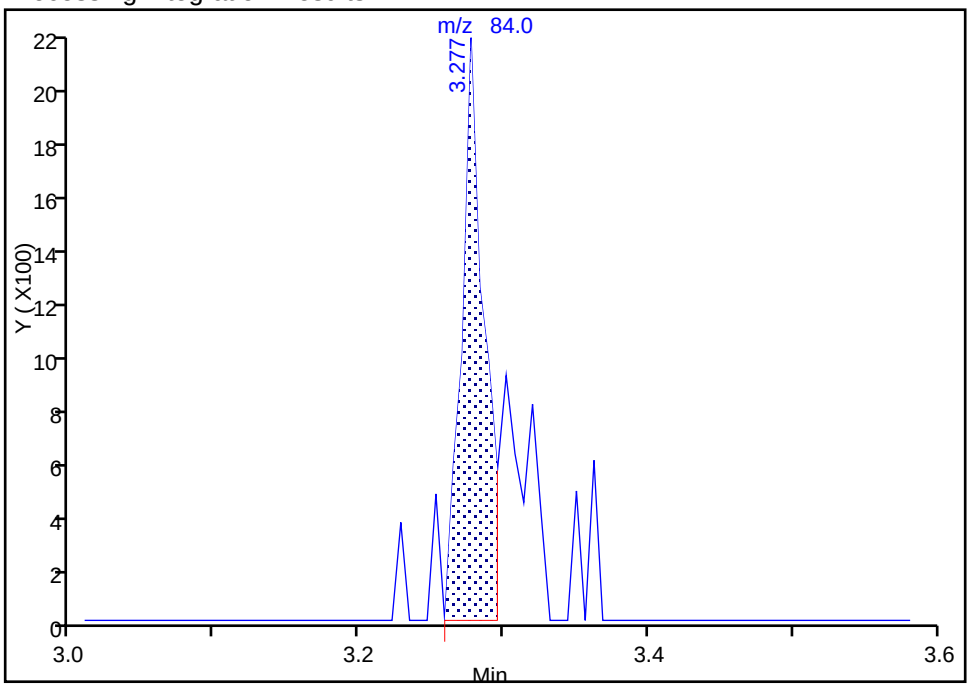
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Injection Date: 05-Nov-2017 19:42:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: AS/AM ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

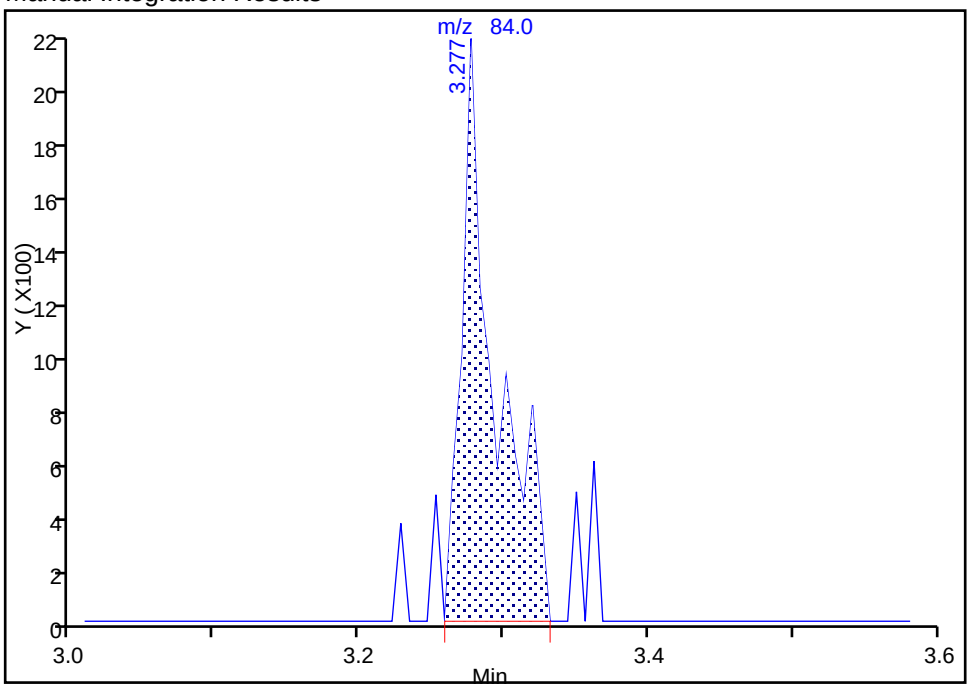
Processing Integration Results

RT: 3.28
Area: 2379
Amount: 0.357624
Amount Units: ug/L



Manual Integration Results

RT: 3.28
Area: 3535
Amount: 0.516860
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 10:57:52
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Buffalo

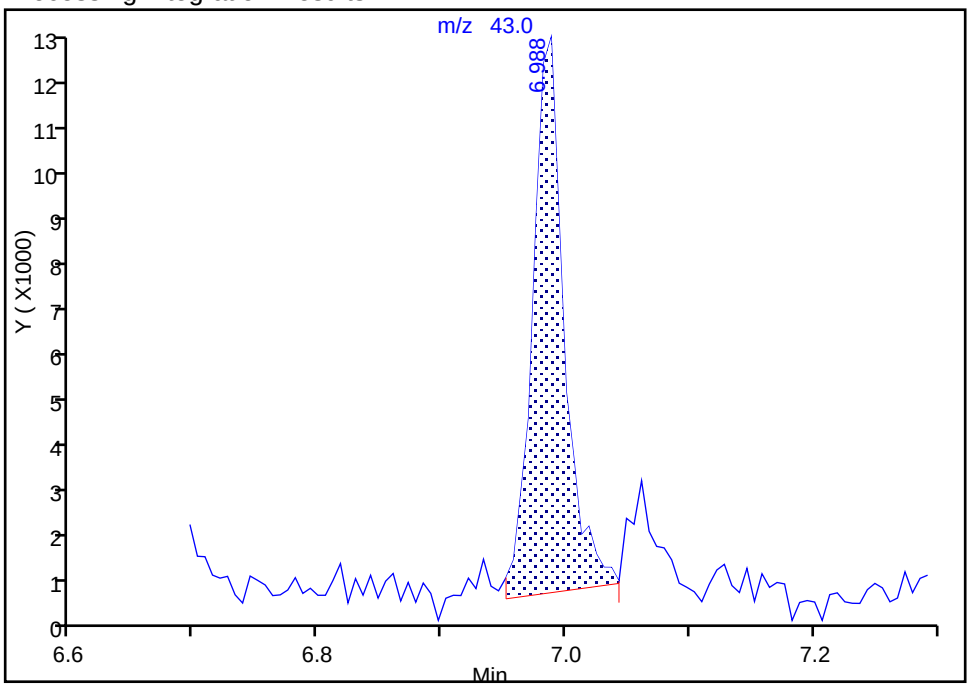
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Injection Date: 05-Nov-2017 19:42:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: AS/AM ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

73 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Signal: 1

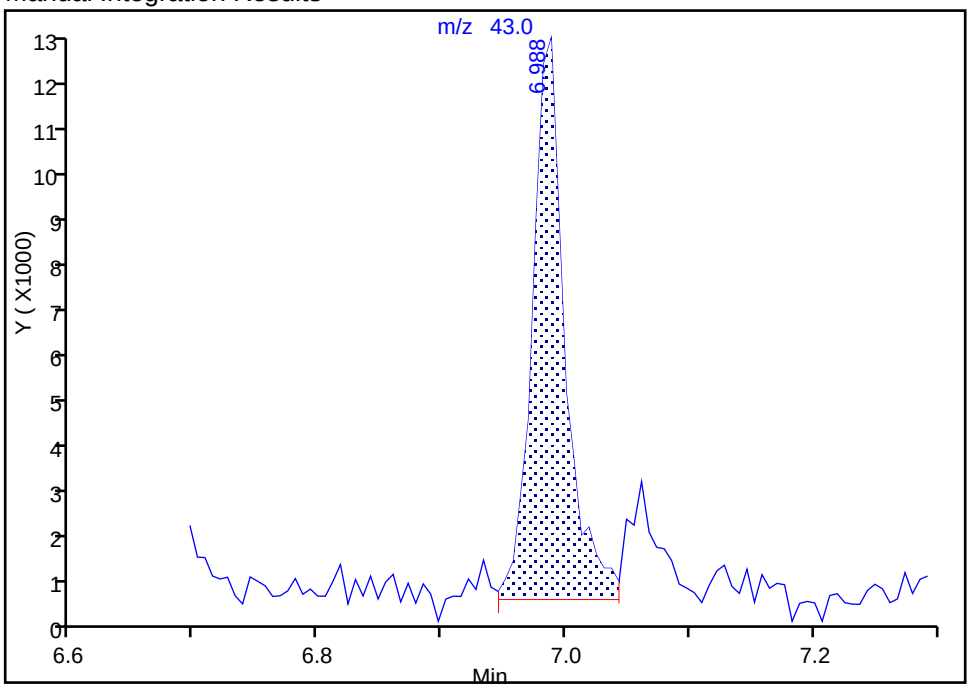
Processing Integration Results

RT: 6.99
Area: 21414
Amount: 2.360670
Amount Units: ug/L



Manual Integration Results

RT: 6.99
Area: 22437
Amount: 2.459576
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 10:59:37
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

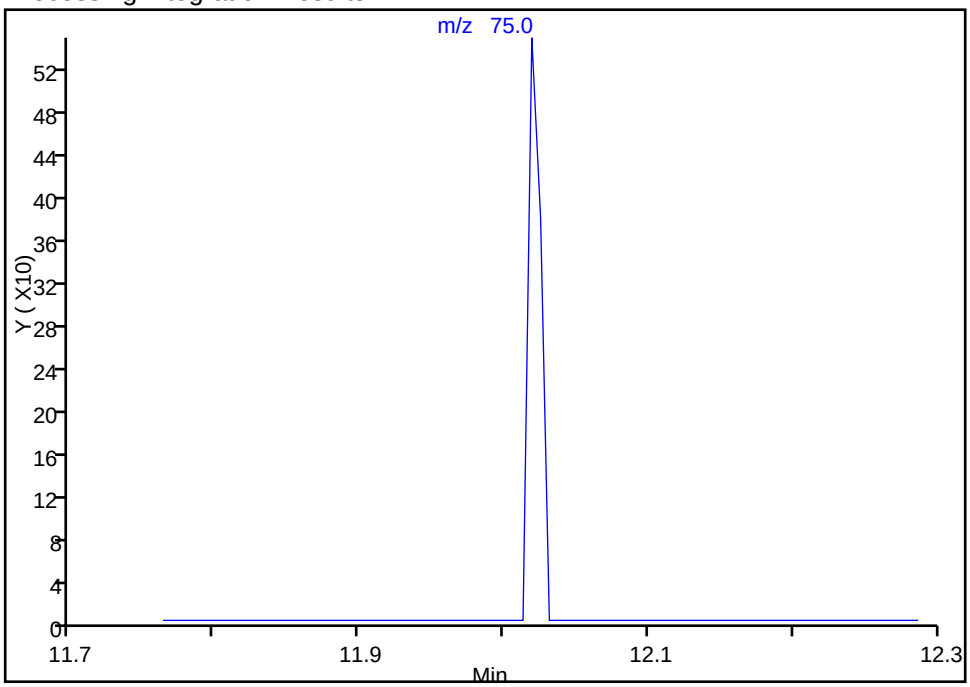
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Injection Date: 05-Nov-2017 19:42:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: AS/AM ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

117 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Signal: 1

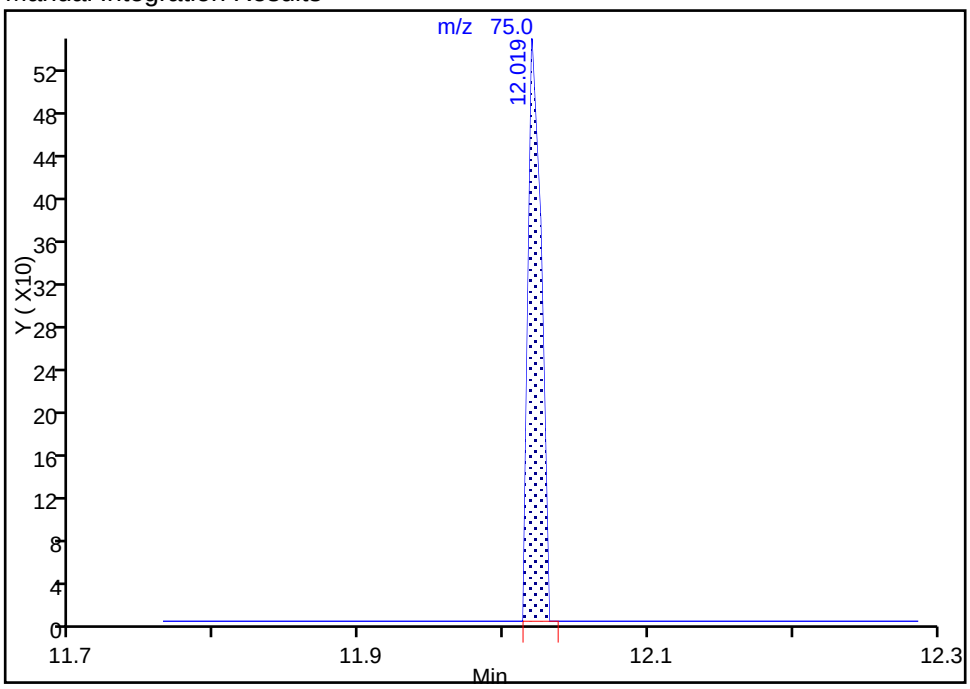
Not Detected
Expected RT: 12.02

Processing Integration Results



Manual Integration Results

RT: 12.02
Area: 337
Amount: 0.182576
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 10:52:44
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

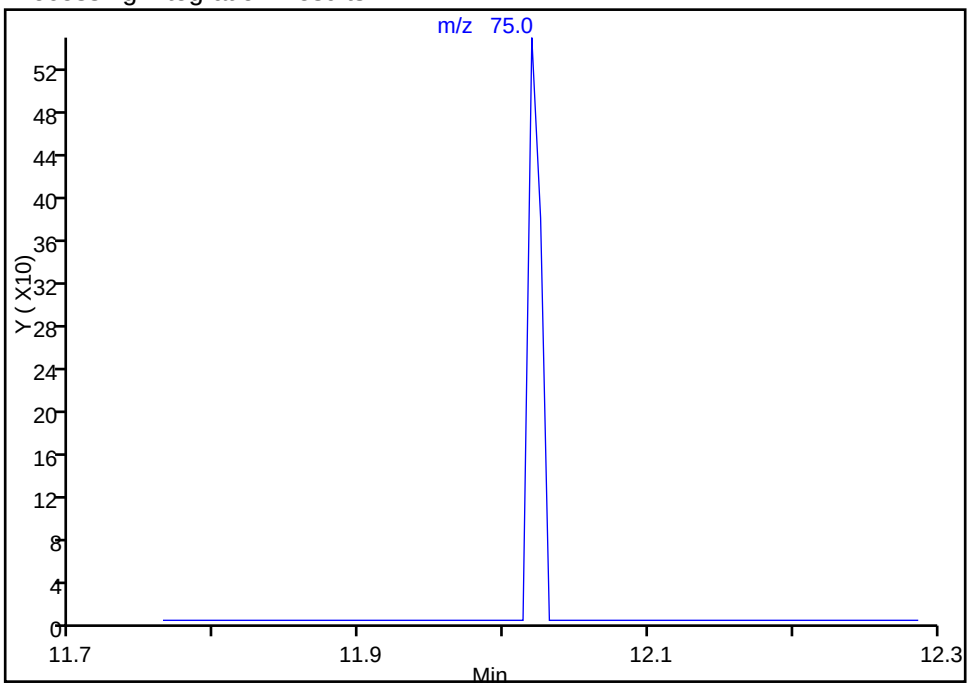
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3869.D
Injection Date: 05-Nov-2017 19:42:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: AS/AM ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

117 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Signal: 1

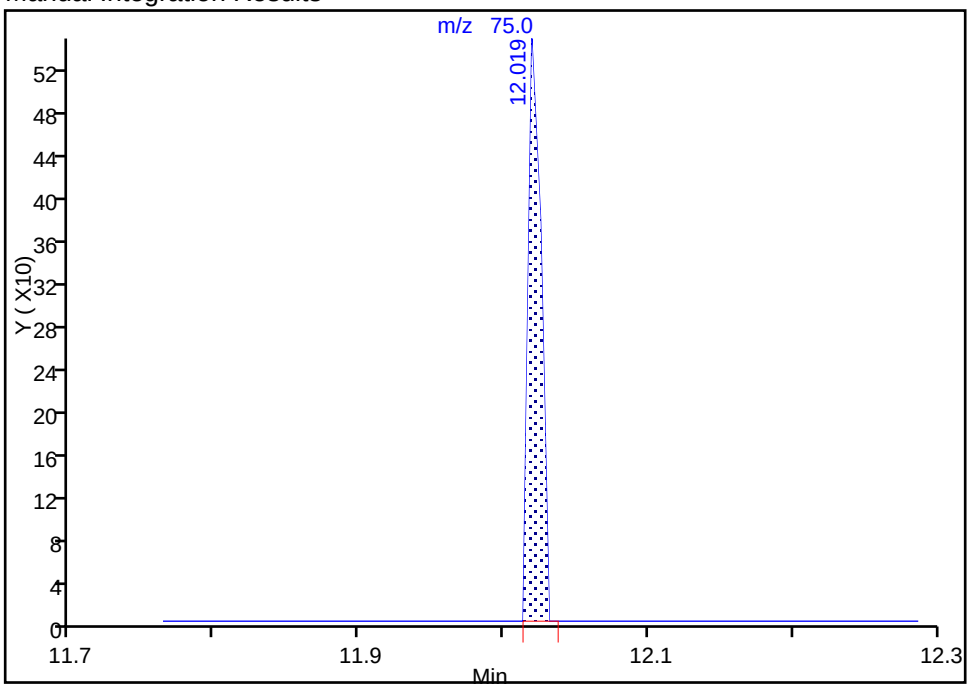
Not Detected
Expected RT: 12.02

Processing Integration Results



Manual Integration Results

RT: 12.02
Area: 337
Amount: 0.182576
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 11:10:13
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3869.D

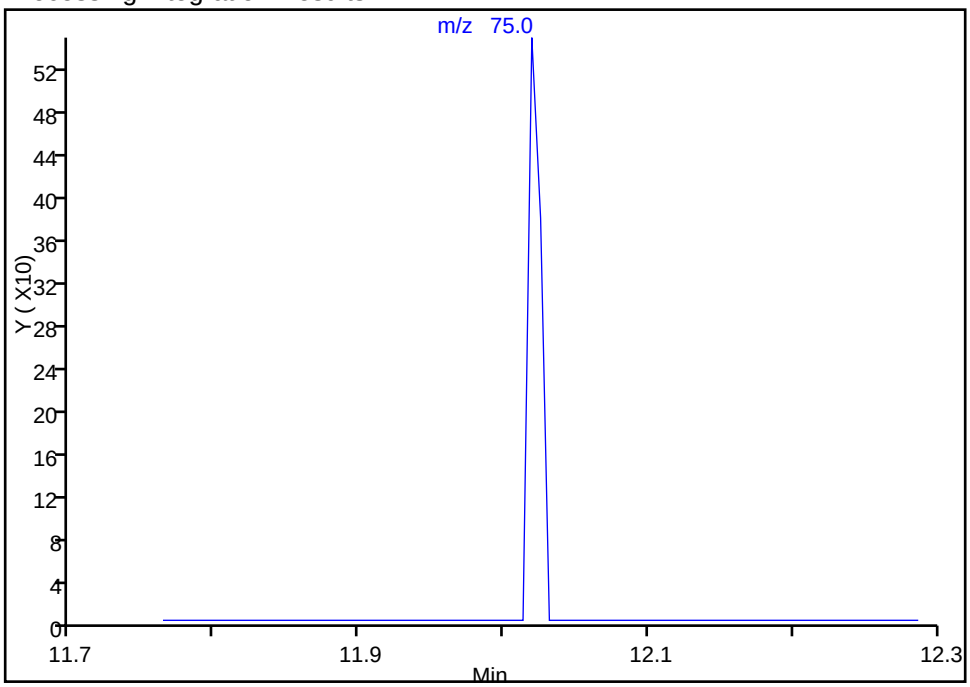
Injection Date:	05-Nov-2017 19:42:30	Instrument ID:	HP5973S		
Lims ID:	IC 0.5				
Client ID:					
Operator ID:	AS/AM	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

117 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8

Signal: 1

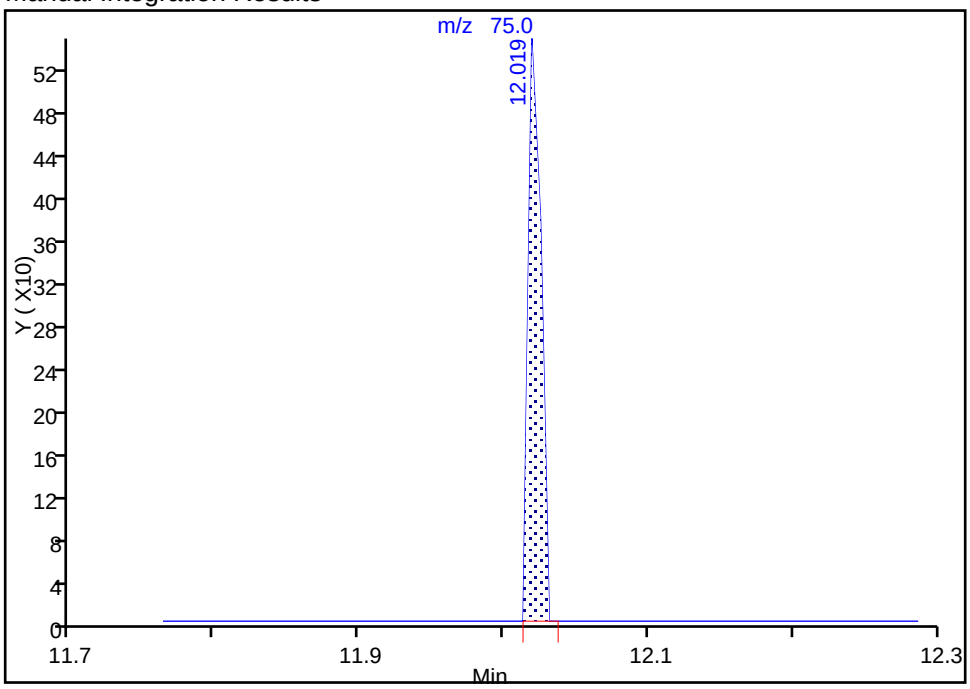
Processing Integration Results

Not Detected
Expected RT: 12.02



Manual Integration Results

RT: 12.02
Area: 337
Amount: 0.182576
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 11:10:26
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

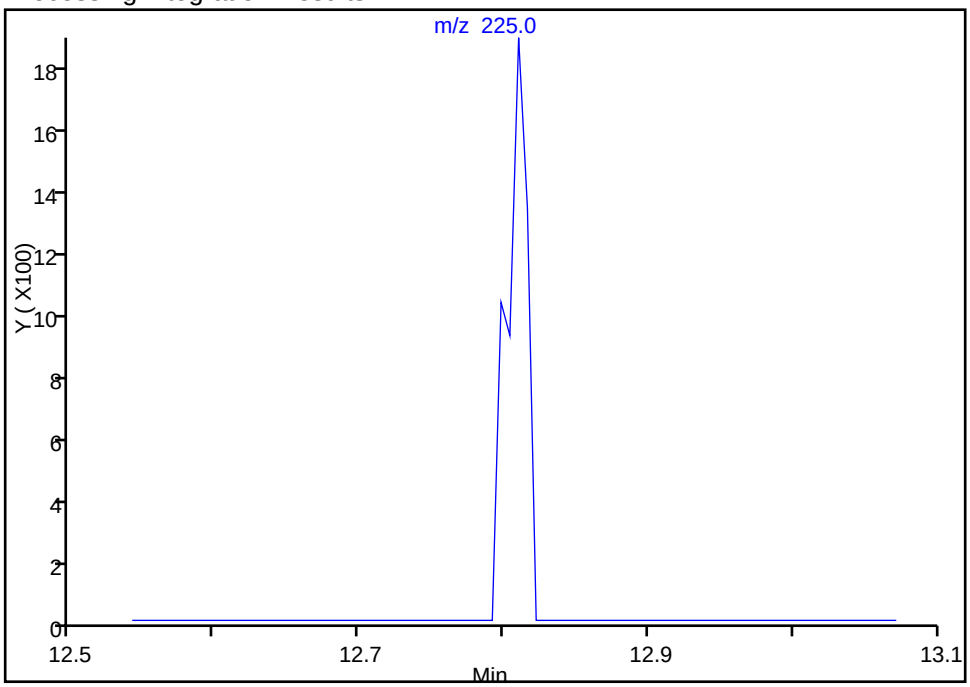
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Injection Date: 05-Nov-2017 19:42:30 Instrument ID: HP5973S
Lims ID: IC 0.5
Client ID:
Operator ID: AS/AM ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

120 Hexachlorobutadiene, CAS: 87-68-3

Signal: 1

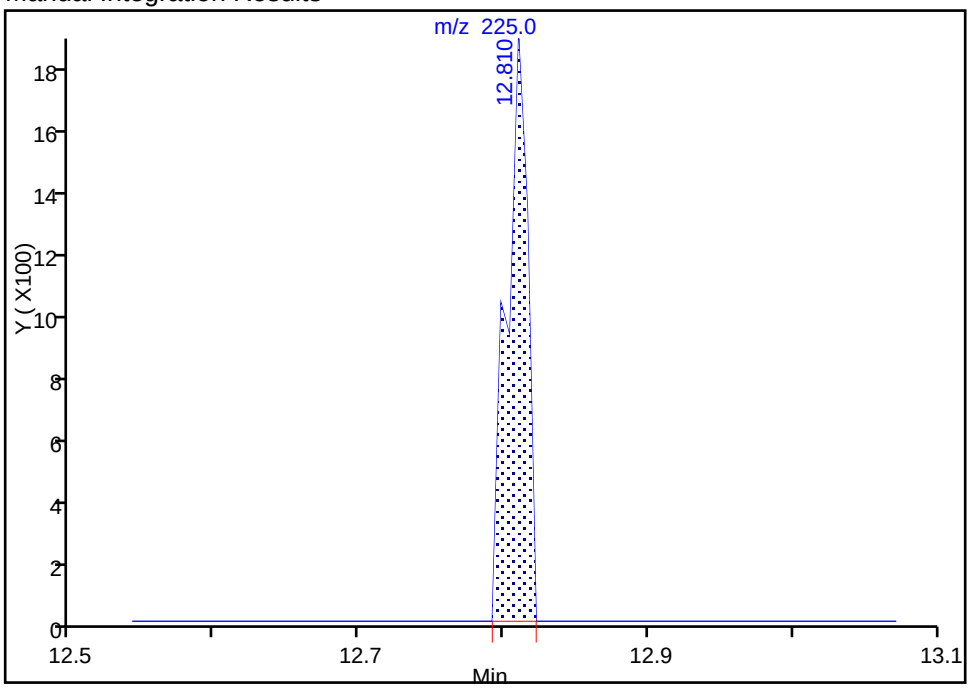
Not Detected
Expected RT: 12.80

Processing Integration Results



Manual Integration Results

RT: 12.81
Area: 1851
Amount: 0.357414
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 10:52:58
Audit Action: Assigned Compound ID Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3869.D

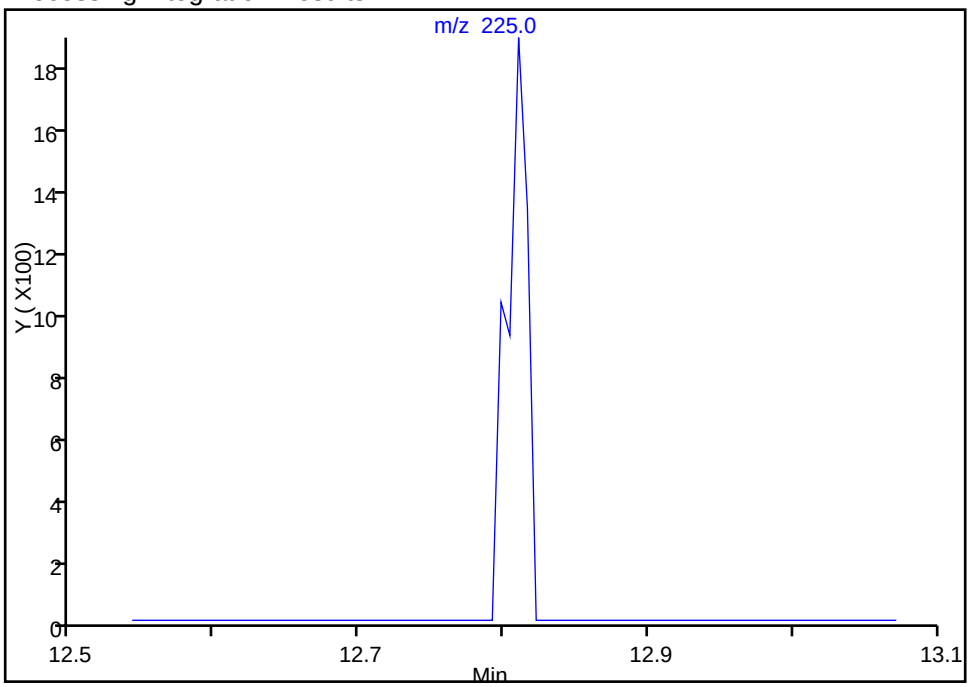
Injection Date:	05-Nov-2017 19:42:30	Instrument ID:	HP5973S		
Lims ID:	IC 0.5				
Client ID:					
Operator ID:	AS/AM	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

120 Hexachlorobutadiene, CAS: 87-68-3

Signal: 1

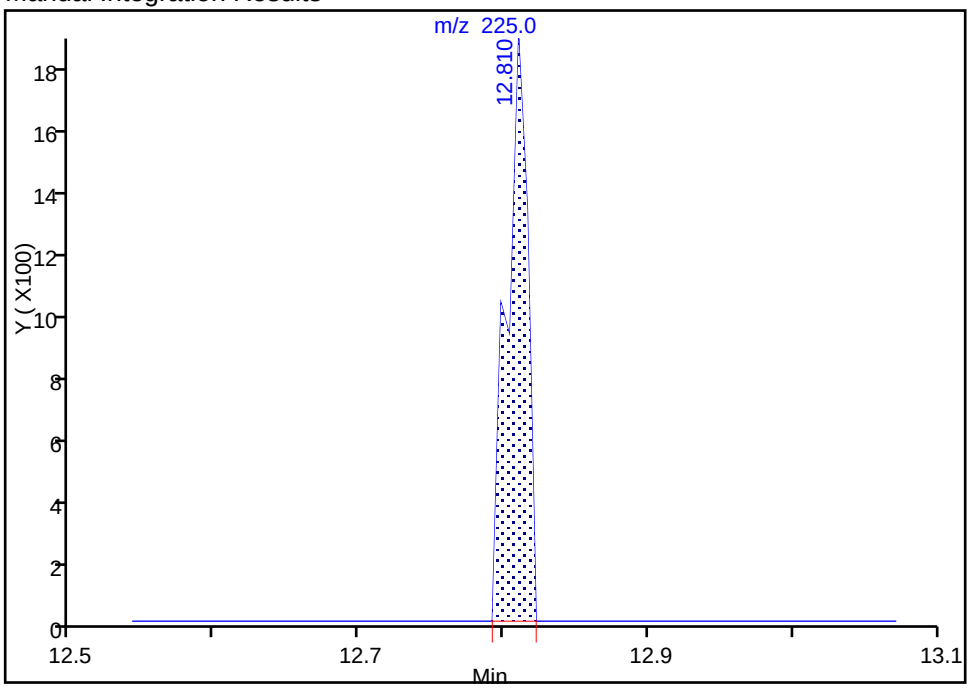
Not Detected
Expected RT: 12.80

Processing Integration Results



Manual Integration Results

RT: 12.81
Area: 1851
Amount: 0.357414
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 10:53:00
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3869.D

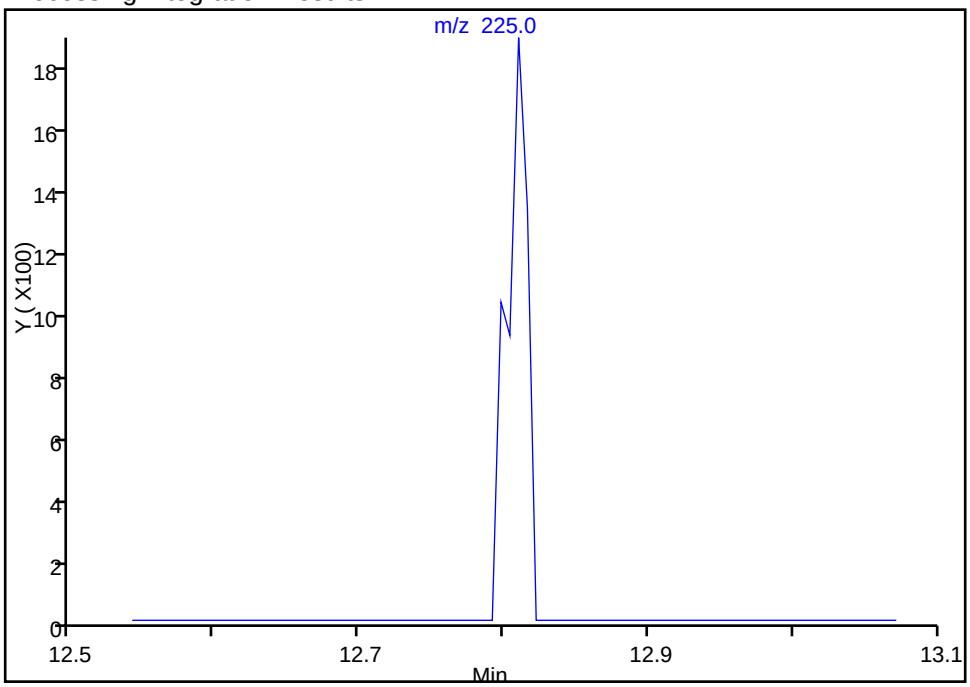
Injection Date:	05-Nov-2017 19:42:30	Instrument ID:	HP5973S		
Lims ID:	IC 0.5				
Client ID:					
Operator ID:	AS/AM	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

120 Hexachlorobutadiene, CAS: 87-68-3

Signal: 1

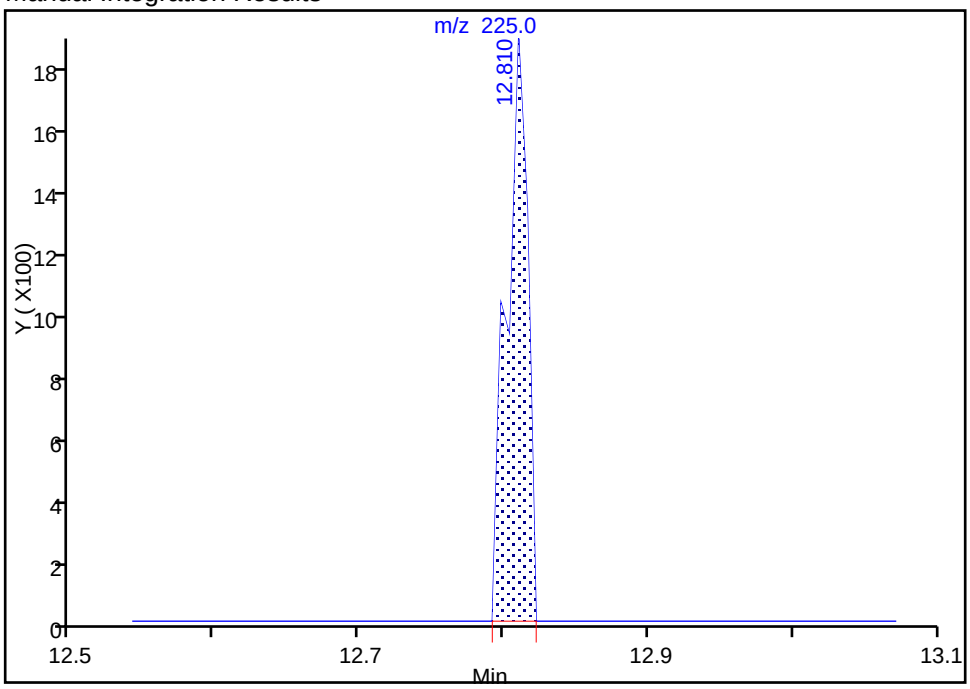
Processing Integration Results

Not Detected
Expected RT: 12.80



Manual Integration Results

RT: 12.81
Area: 1851
Amount: 0.357414
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 11:10:34
Audit Action: Manually Integrated Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3870.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 05-Nov-2017 20:05:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0067029-009
Operator ID: AS/AM Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Nov-2017 14:29:43 Calib Date: 06-Nov-2017 02:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3887.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK039

First Level Reviewer: moffata Date: 06-Nov-2017 11:19:55

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	5.552	5.552	0.000	98	133904	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.552	8.552	0.000	86	271632	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.924	10.924	0.000	95	270933	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.956	4.956	0.000	69	167579	25.0	24.8	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.266	5.273	-0.007	0	110389	25.0	25.0	
$ 5 Toluene-d8 (Surr)	98	7.067	7.067	0.000	92	678361	25.0	24.7	
$ 6 4-Bromofluorobenzene (Surr	174	9.799	9.793	0.006	91	226924	25.0	24.8	
10 Dichlorodifluoromethane	85	1.300	1.300	0.000	28	1930	1.00	1.10	
12 Chloromethane	50	1.488	1.489	-0.001	43	8115	1.00	0.9522	
13 Vinyl chloride	62	1.580	1.580	0.000	6	4463	1.00	1.20	
151 Butadiene	54	1.604	1.604	0.000	68	5407	1.00	0.7629	M
14 Bromomethane	94	1.896	1.908	-0.012	11	4466	1.00	1.00	
15 Chloroethane	64	1.993	2.006	-0.013	34	3696	1.00	0.8372	
16 Dichlorofluoromethane	67	2.225	2.225	0.000	40	7226	1.00	0.7226	M
17 Trichlorofluoromethane	101	2.237	2.231	0.006	39	3720	1.00	1.18	
18 Ethyl ether	59	2.535	2.535	0.000	78	5616	1.00	0.8467	
20 Acrolein	56	2.711	2.711	0.000	66	6927	5.00	4.60	
21 1,1,2-Trichloro-1,2,2-trif	101	2.730	2.742	-0.012	14	2880	1.00	1.09	
22 1,1-Dichloroethene	96	2.754	2.760	-0.006	58	3812	1.00	0.9075	
23 Acetone	43	2.869	2.876	-0.007	69	17803	5.00	6.52	
25 Iodomethane	142	2.912	2.924	-0.012	47	5707	1.00	1.27	
26 Carbon disulfide	76	2.961	2.967	-0.006	92	14902	1.00	0.8016	
28 3-Chloro-1-propene	41	3.137	3.131	0.006	72	10292	1.00	0.8280	M
27 Methyl acetate	43	3.186	3.180	0.006	84	13975	2.00	1.97	
30 Methylene Chloride	84	3.277	3.283	-0.006	72	6728	1.00	0.9844	
31 2-Methyl-2-propanol	59	3.441	3.441	0.000	80	8727	10.0	8.76	
32 Methyl tert-butyl ether	73	3.496	3.496	0.000	83	18706	1.00	0.9000	
34 trans-1,2-Dichloroethene	96	3.502	3.514	-0.012	65	6131	1.00	0.9507	
33 Acrylonitrile	53	3.563	3.557	0.006	95	27140	10.0	8.22	
35 Hexane	57	3.721	3.721	0.000	79	8624	1.00	0.8256	

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	3.928	3.934	-0.006	7	10132	1.00	0.8563	
37 Vinyl acetate	43	3.995	3.989	0.006	81	26085	2.00	1.54	M
44 2,2-Dichloropropane	77	4.463	4.457	0.006	54	6711	1.00	0.8208	
45 cis-1,2-Dichloroethene	96	4.488	4.488	0.000	44	6121	1.00	0.8401	
43 2-Butanone (MEK)	43	4.542	4.524	0.018	92	18948	5.00	4.44	
48 Chlorobromomethane	128	4.731	4.725	0.006	61	3297	1.00	0.9181	
49 Tetrahydrofuran	42	4.774	4.755	0.019	84	6567	2.00	2.15	
50 Chloroform	83	4.804	4.804	0.000	73	8548	1.00	0.7800	
51 1,1,1-Trichloroethane	97	4.920	4.926	-0.006	46	7782	1.00	0.8521	
52 Cyclohexane	56	4.932	4.938	-0.006	41	9262	1.00	0.8131	
55 Carbon tetrachloride	117	5.066	5.066	0.000	52	6383	1.00	0.7562	
54 1,1-Dichloropropene	75	5.078	5.078	0.000	41	6204	1.00	0.7251	
53 Isobutyl alcohol	43	5.285	5.279	0.006	16	11479	25.0	22.7	
57 Benzene	78	5.279	5.279	0.000	31	23665	1.00	0.9095	
58 1,2-Dichloroethane	62	5.339	5.339	0.000	48	9394	1.00	0.9256	
59 n-Heptane	43	5.467	5.467	0.000	84	9226	1.00	0.7817	
62 Trichloroethene	95	5.887	5.893	-0.006	49	5058	1.00	0.7729	
64 Methylcyclohexane	83	6.015	6.021	-0.006	63	7898	1.00	0.7813	
65 1,2-Dichloropropane	63	6.130	6.130	0.000	62	6492	1.00	0.9035	
67 Dibromomethane	93	6.264	6.264	0.000	75	3147	1.00	0.7601	
66 1,4-Dioxane	88		6.282				ND	ND	
68 Dichlorobromomethane	83	6.416	6.416	0.000	50	7417	1.00	0.8700	
69 2-Chloroethyl vinyl ether	63	6.702	6.696	0.006	47	4235	1.00	0.8170	
72 cis-1,3-Dichloropropene	75	6.842	6.836	0.006	43	8054	1.00	0.7705	
73 4-Methyl-2-pentanone (MIBK	43	6.982	6.982	0.000	86	37903	5.00	4.13	
74 Toluene	92	7.134	7.134	0.000	72	14422	1.00	0.8513	
77 trans-1,3-Dichloropropene	75	7.402	7.402	0.000	61	8267	1.00	0.8465	
75 Ethyl methacrylate	69	7.456	7.450	0.006	46	7458	1.00	0.7611	
79 1,1,2-Trichloroethane	83	7.590	7.590	0.000	39	4528	1.00	0.9392	
81 Tetrachloroethene	166	7.669	7.669	0.000	68	5726	1.00	0.7598	
82 1,3-Dichloropropane	76	7.761	7.755	0.006	63	9407	1.00	0.8829	
80 2-Hexanone	43	7.828	7.822	0.006	92	30172	5.00	4.64	
83 Chlorodibromomethane	129	7.992	7.992	0.000	16	5151	1.00	0.7914	
84 Ethylene Dibromide	107	8.101	8.101	0.000	63	5058	1.00	0.8120	
87 Chlorobenzene	112	8.576	8.582	-0.006	37	15898	1.00	0.8323	
89 1,1,1,2-Tetrachloroethane	131	8.673	8.673	0.000	14	5646	1.00	0.8226	
88 Ethylbenzene	91	8.673	8.673	0.000	15	26767	1.00	0.8334	
90 m-Xylene & p-Xylene	106	8.801	8.795	0.006	0	11048	1.00	0.8995	
91 o-Xylene	106	9.221	9.221	0.000	74	9522	1.00	0.7925	
92 Styrene	104	9.251	9.251	0.000	82	17017	1.00	0.8418	
95 Bromoform	173	9.494	9.495	-0.001	23	3093	1.00	0.7419	
94 Isopropylbenzene	105	9.604	9.604	0.000	66	27160	1.00	0.8774	
101 Bromobenzene	156	9.945	9.945	0.000	88	6661	1.00	0.8092	
97 1,1,2,2-Tetrachloroethane	83	9.987	9.987	0.000	19	6185	1.00	0.7791	
100 1,2,3-Trichloropropane	110	10.024	10.024	0.000	12	2387	1.00	0.8775	
99 N-Propylbenzene	91	10.030	10.024	0.006	80	28932	1.00	0.7956	
98 trans-1,4-Dichloro-2-buten	53	10.048	10.036	0.012	1	934	1.00	0.4547	M
103 2-Chlorotoluene	126	10.133	10.127	0.006	74	6311	1.00	0.8058	
102 1,3,5-Trimethylbenzene	105	10.206	10.200	0.006	78	22225	1.00	0.8427	
105 4-Chlorotoluene	126	10.237	10.237	0.000	62	7136	1.00	0.9068	
106 tert-Butylbenzene	134	10.523	10.517	0.006	58	4584	1.00	0.7364	
107 1,2,4-Trimethylbenzene	105	10.571	10.571	0.000	79	22146	1.00	0.8142	

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	10.723	10.723	0.000	60	27902	1.00	0.8493	
111 1,3-Dichlorobenzene	146	10.857	10.857	0.000	61	14021	1.00	0.8937	
110 4-Isopropyltoluene	119	10.863	10.863	0.000	82	24413	1.00	0.8323	
113 1,4-Dichlorobenzene	146	10.948	10.942	0.006	23	14141	1.00	0.8750	
115 n-Butylbenzene	91	11.247	11.247	0.000	79	21623	1.00	0.8424	
116 1,2-Dichlorobenzene	146	11.301	11.295	0.006	67	13001	1.00	0.8673	
117 1,2-Dibromo-3-Chloropropan	75	12.013	12.019	-0.006	1	1350	1.00	0.7395	
119 1,2,4-Trichlorobenzene	180	12.700	12.694	0.006	37	7842	1.00	0.7302	
120 Hexachlorobutadiene	225	12.810	12.804	0.006	38	4354	1.00	0.8501	
121 Naphthalene	128	12.907	12.907	0.000	67	21246	1.00	0.7572	
122 1,2,3-Trichlorobenzene	180	13.108	13.108	0.000	61	7852	1.00	0.7575	
S 125 1,2-Dichloroethene, Total	1				0			1.79	
S 126 1,3-Dichloropropene, Total	1				0			1.62	
S 123 Total BTEX	1				0			4.29	
S 124 Xylenes, Total	1				0			1.69	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00114	Amount Added:	1.00	Units: uL	
GAS CORP mix_00249	Amount Added:	1.00	Units: uL	
S_8260_IS_00271	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00238	Amount Added:	1.00	Units: uL	Run Reagent

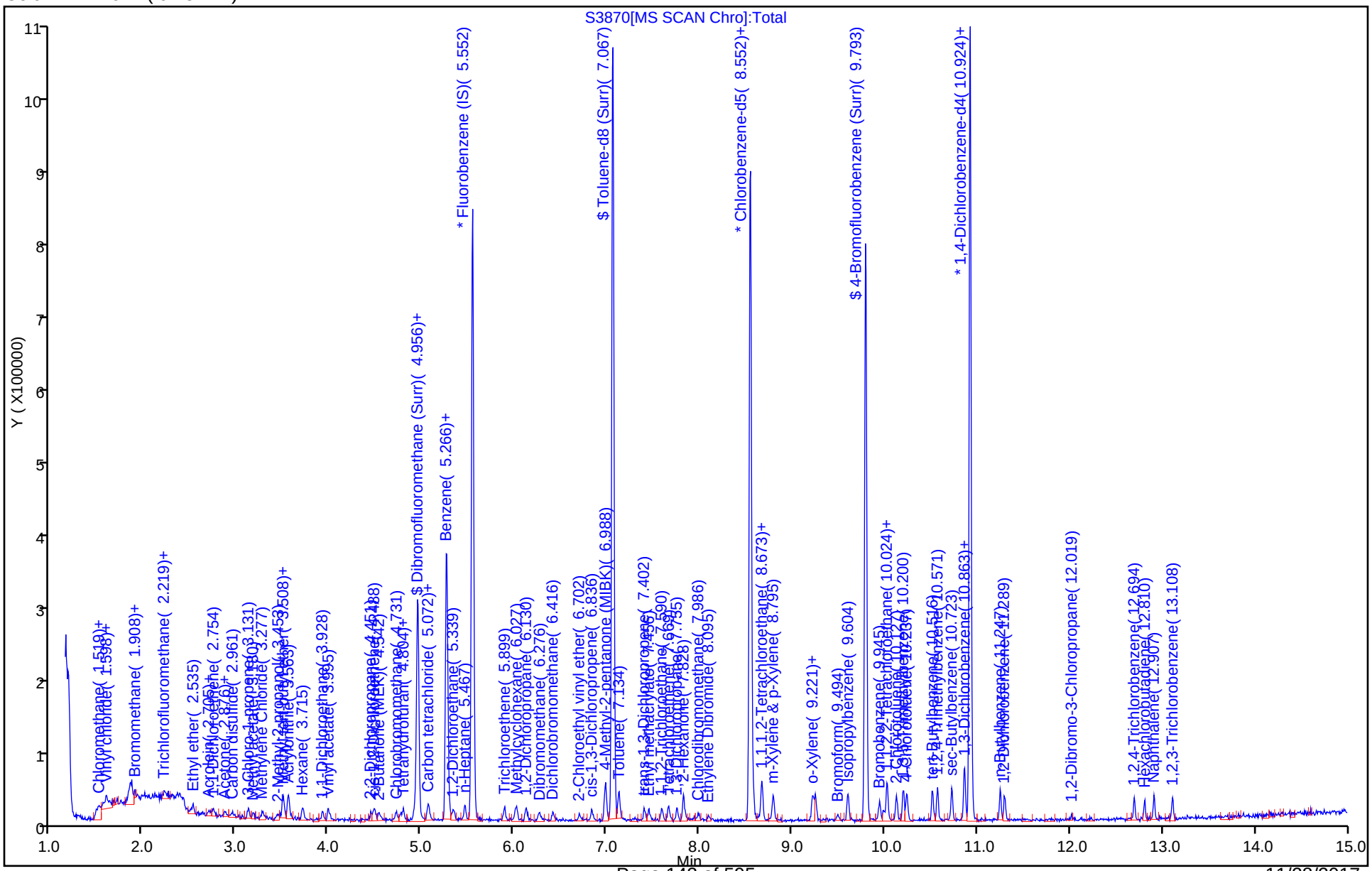
Report Date: 06-Nov-2017 14:29:44 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3870.D

Injection Date:	05-Nov-2017 20:05:30	Instrument ID:	HP5973S	Operator ID:	AS/AM
Lims ID:	IC			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

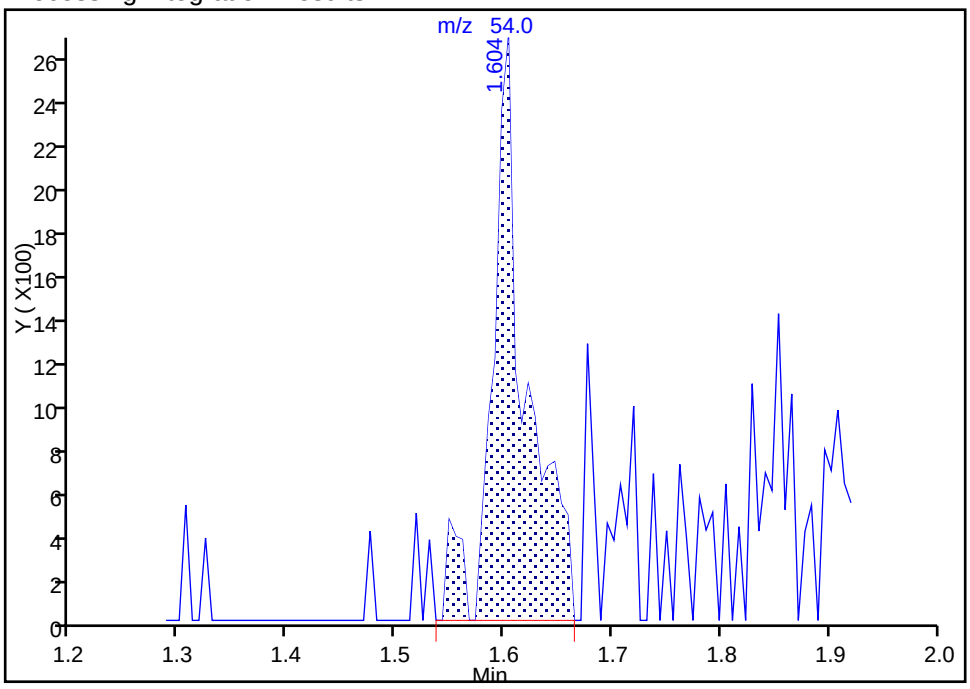
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Injection Date: 05-Nov-2017 20:05:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: AS/AM ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

151 Butadiene, CAS: 106-99-0

Signal: 1

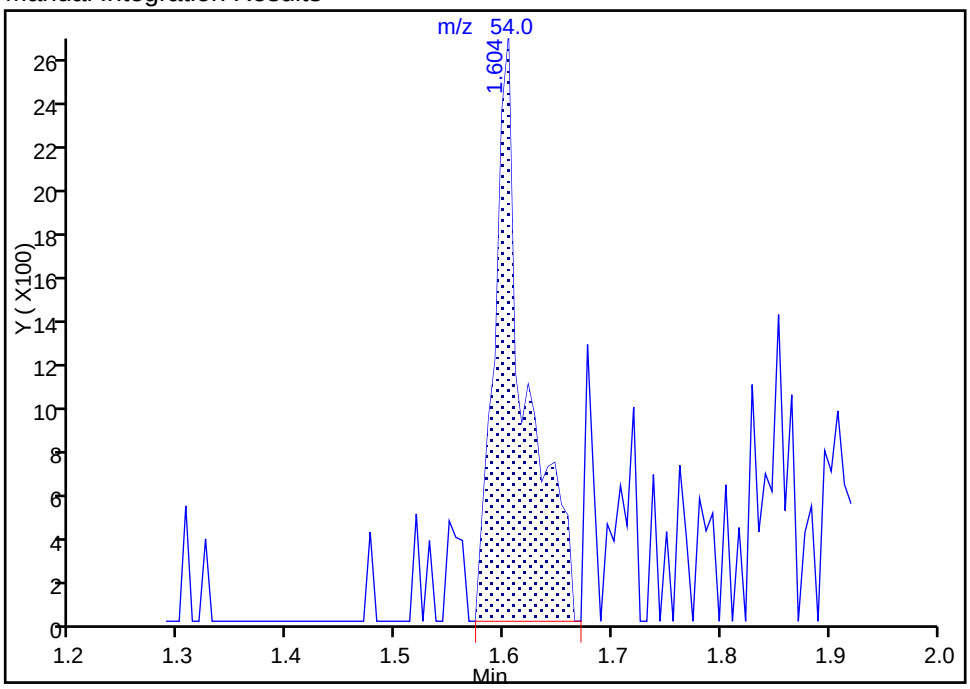
Processing Integration Results

RT: 1.60
Area: 5852
Amount: 0.825559
Amount Units: ug/L



Manual Integration Results

RT: 1.60
Area: 5407
Amount: 0.762860
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 11:11:42
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

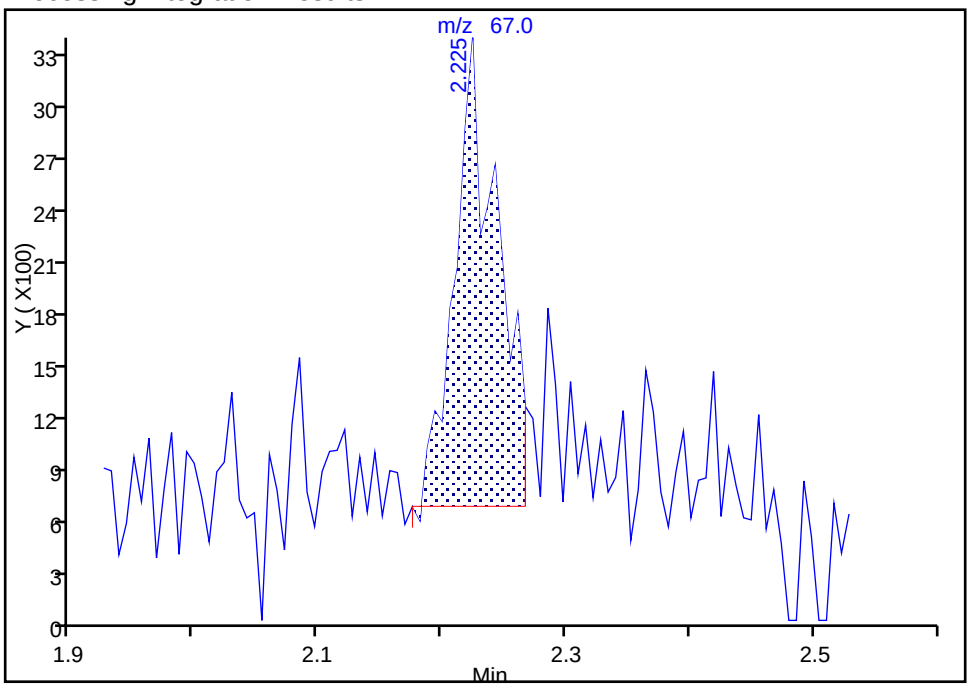
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Injection Date: 05-Nov-2017 20:05:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: AS/AM ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

16 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

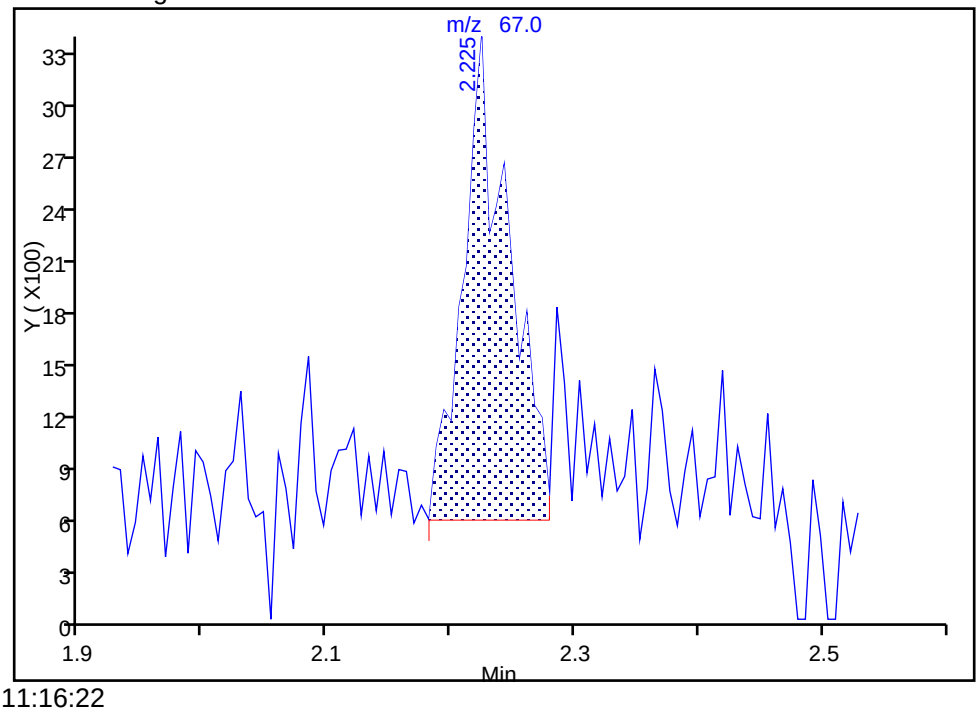
Processing Integration Results

RT: 2.22
Area: 6488
Amount: 0.899832
Amount Units: ug/L



Manual Integration Results

RT: 2.22
Area: 7226
Amount: 0.722589
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 11:16:22
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

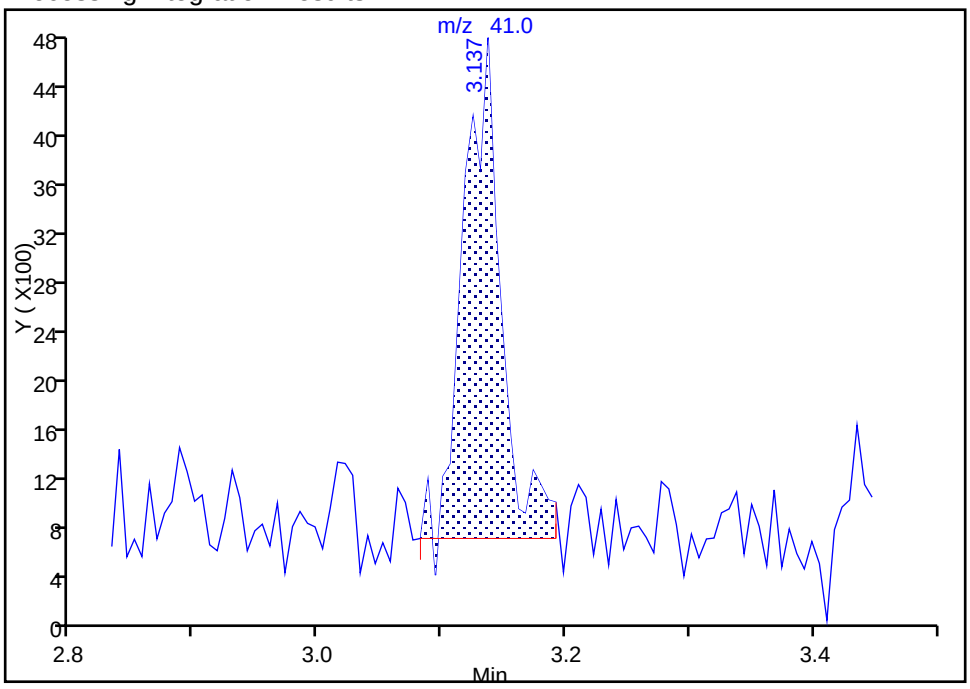
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Injection Date: 05-Nov-2017 20:05:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: AS/AM ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

28 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

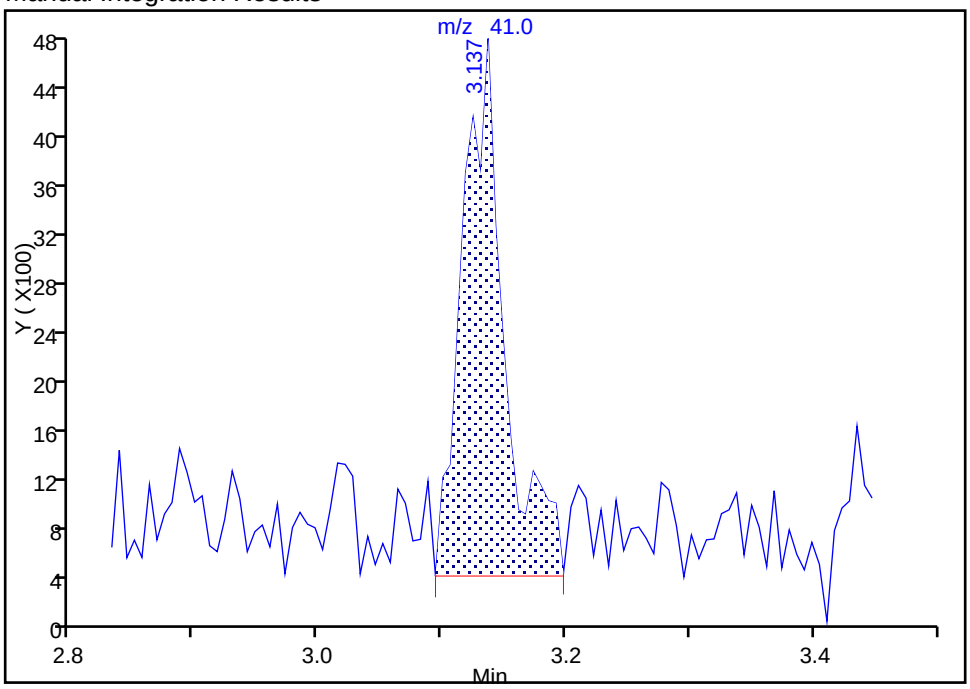
Processing Integration Results

RT: 3.14
Area: 8600
Amount: 0.703865
Amount Units: ug/L



Manual Integration Results

RT: 3.14
Area: 10292
Amount: 0.828013
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 11:17:14
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

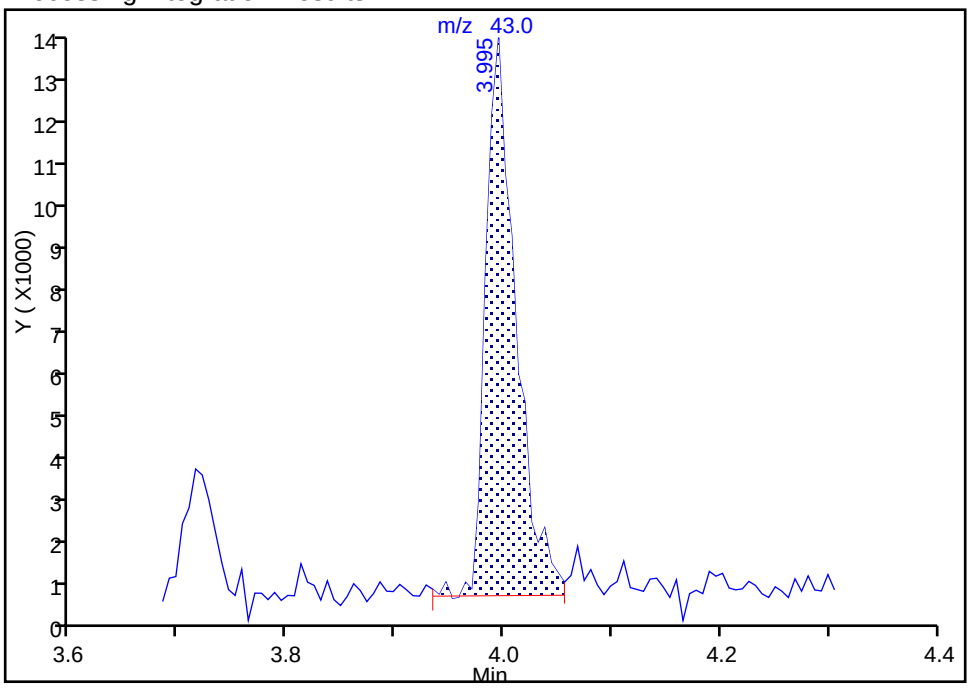
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Injection Date: 05-Nov-2017 20:05:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: AS/AM ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

37 Vinyl acetate, CAS: 108-05-4

Signal: 1

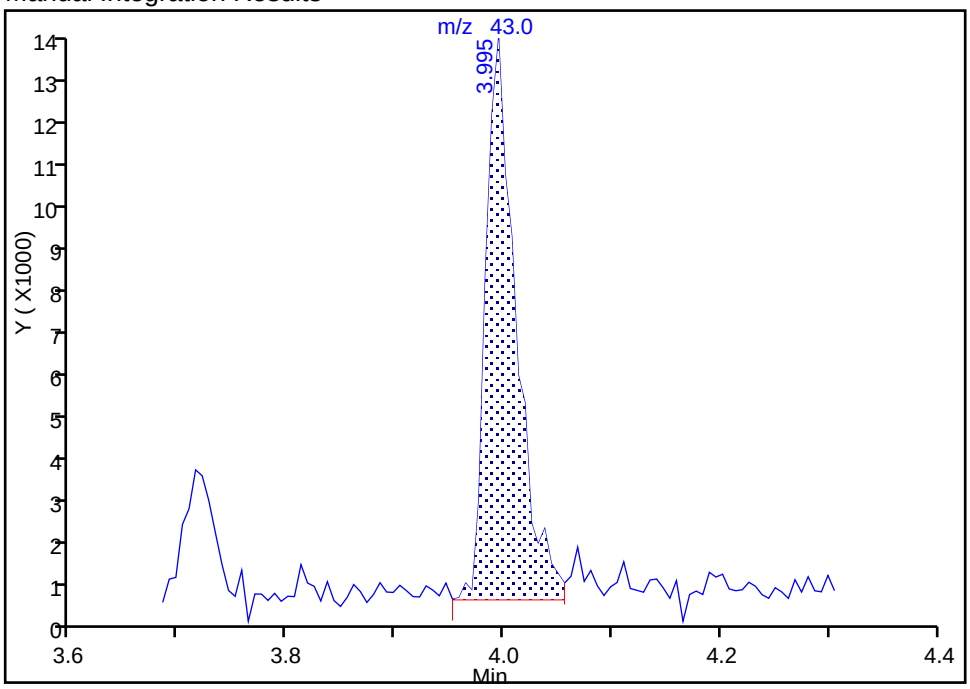
Processing Integration Results

RT: 3.99
Area: 25744
Amount: 1.522039
Amount Units: ug/L



Manual Integration Results

RT: 3.99
Area: 26085
Amount: 1.540259
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 11:17:55
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

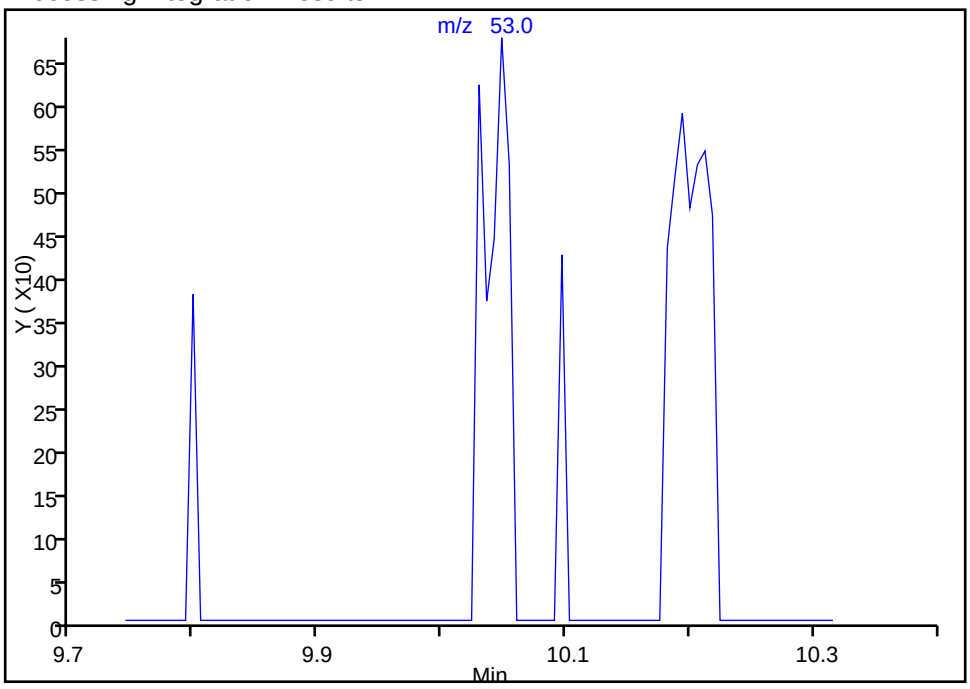
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Injection Date: 05-Nov-2017 20:05:30 Instrument ID: HP5973S
Lims ID: IC
Client ID:
Operator ID: AS/AM ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

98 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

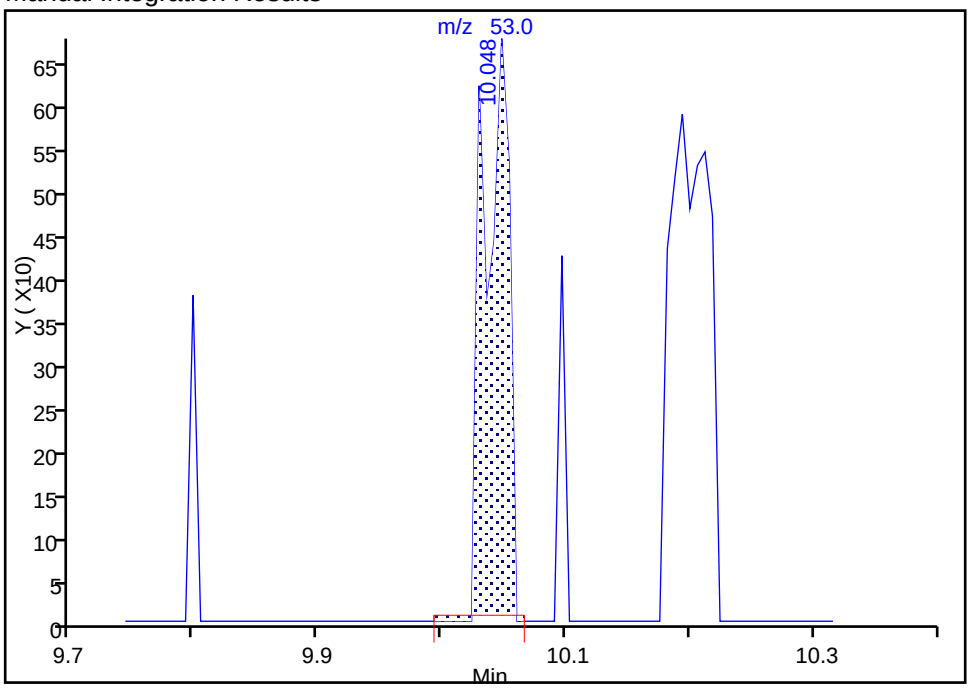
Not Detected
Expected RT: 10.04

Processing Integration Results



Manual Integration Results

RT: 10.05
Area: 934
Amount: 0.454709
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 11:18:59
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3870.D

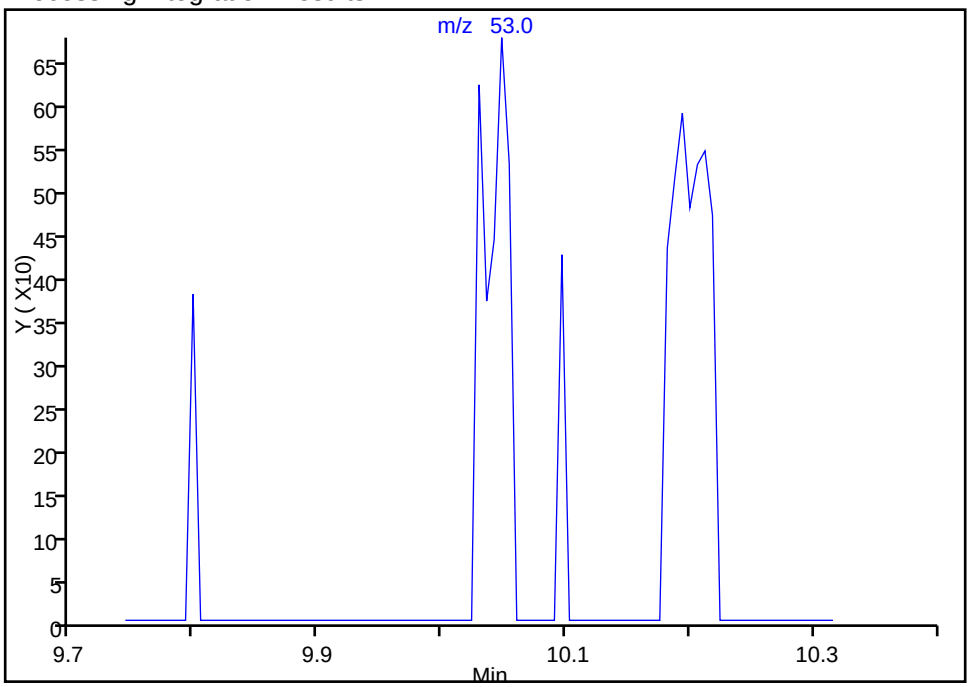
Injection Date:	05-Nov-2017 20:05:30	Instrument ID:	HP5973S		
Lims ID:	IC				
Client ID:					
Operator ID:	AS/AM	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

98 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

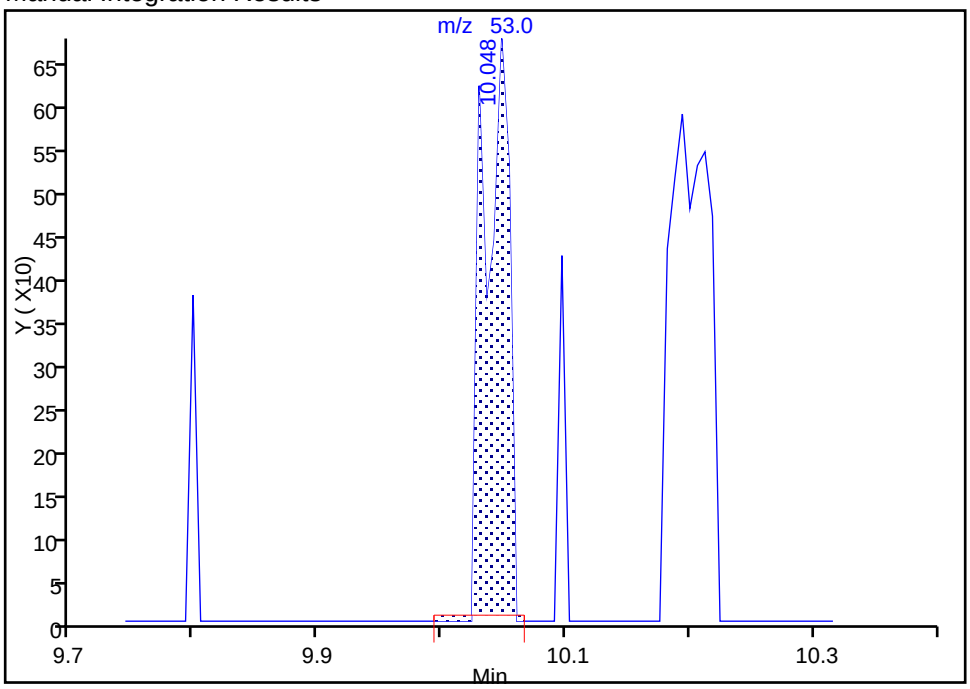
Not Detected
Expected RT: 10.04

Processing Integration Results



Manual Integration Results

RT: 10.05
Area: 934
Amount: 0.454709
Amount Units: ug/L



Reviewer: HillL, 06-Nov-2017 13:56:43
Audit Action: Manually Integrated Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3871.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 05-Nov-2017 20:28:30 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0067029-010
Operator ID: AS/AM Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Nov-2017 14:29:46 Calib Date: 06-Nov-2017 02:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3887.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK039

First Level Reviewer: moffata Date: 06-Nov-2017 11:31:27

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	5.546	5.552	-0.006	98	138915	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.552	8.552	0.000	85	276165	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.924	10.924	0.000	94	278570	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.956	4.956	0.000	80	176456	25.0	25.1	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.267	5.273	-0.006	0	115350	25.0	25.2	
$ 5 Toluene-d8 (Surr)	98	7.067	7.067	0.000	92	719699	25.0	25.7	
$ 6 4-Bromofluorobenzene (Surr	174	9.793	9.793	0.000	87	234216	25.0	25.2	
10 Dichlorodifluoromethane	85	1.300	1.300	0.000	65	6260	2.00	1.80	
12 Chloromethane	50	1.483	1.489	-0.006	71	15683	2.00	1.77	
13 Vinyl chloride	62	1.574	1.580	-0.006	51	10243	2.00	1.89	
151 Butadiene	54	1.592	1.604	-0.012	64	12809	2.00	1.74	M
14 Bromomethane	94	1.915	1.908	0.006	56	9894	2.00	2.13	
15 Chloroethane	64	2.006	2.006	0.000	53	6951	2.00	1.52	
16 Dichlorofluoromethane	67	2.225	2.225	0.000	51	19436	2.00	1.87	
17 Trichlorofluoromethane	101	2.225	2.231	-0.006	55	10614	2.00	1.87	
18 Ethyl ether	59	2.535	2.535	0.000	74	12882	2.00	1.87	
20 Acrolein	56	2.711	2.711	0.000	77	15956	10.0	10.2	
21 1,1,2-Trichloro-1,2,2-trif	101	2.748	2.742	0.006	20	5830	2.00	1.63	
22 1,1-Dichloroethene	96	2.760	2.760	0.000	72	11883	2.00	2.09	
23 Acetone	43	2.876	2.876	0.000	96	27397	10.0	9.67	
25 Iodomethane	142	2.924	2.924	0.000	71	14322	2.00	2.02	M
26 Carbon disulfide	76	2.955	2.967	-0.012	93	31092	2.00	1.61	
28 3-Chloro-1-propene	41	3.131	3.131	0.000	86	20006	2.00	1.55	
27 Methyl acetate	43	3.186	3.180	0.006	93	28710	4.00	3.89	
30 Methylene Chloride	84	3.271	3.283	-0.012	69	13348	2.00	1.88	M
31 2-Methyl-2-propanol	59	3.441	3.441	0.000	88	19925	20.0	19.3	
32 Methyl tert-butyl ether	73	3.496	3.496	0.000	88	44105	2.00	2.05	
34 trans-1,2-Dichloroethene	96	3.508	3.514	-0.006	77	12637	2.00	1.89	
33 Acrylonitrile	53	3.557	3.557	0.000	97	70470	20.0	20.6	
35 Hexane	57	3.715	3.721	-0.006	84	16633	2.00	1.53	

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	3.928	3.934	-0.006	82	20809	2.00	1.70	
37 Vinyl acetate	43	3.989	3.989	0.000	95	74446	4.00	4.24	
44 2,2-Dichloropropane	77	4.464	4.457	0.007	77	15368	2.00	1.81	
45 cis-1,2-Dichloroethene	96	4.488	4.488	0.000	59	15021	2.00	1.99	
43 2-Butanone (MEK)	43	4.537	4.524	0.013	94	37569	10.0	8.49	M
48 Chlorobromomethane	128	4.731	4.725	0.006	72	7313	2.00	1.96	
49 Tetrahydrofuran	42	4.768	4.755	0.013	77	13284	4.00	4.19	
50 Chloroform	83	4.798	4.804	-0.006	69	21853	2.00	1.92	
51 1,1,1-Trichloroethane	97	4.926	4.926	0.000	77	16022	2.00	1.69	
52 Cyclohexane	56	4.938	4.938	0.000	46	18854	2.00	1.60	M
55 Carbon tetrachloride	117	5.066	5.066	0.000	75	14516	2.00	1.66	
54 1,1-Dichloropropene	75	5.078	5.078	0.000	74	14284	2.00	1.61	
57 Benzene	78	5.279	5.279	0.000	54	48936	2.00	1.81	
53 Isobutyl alcohol	43	5.285	5.279	0.006	44	25998	50.0	49.5	M
58 1,2-Dichloroethane	62	5.340	5.339	0.001	69	21157	2.00	2.01	
59 n-Heptane	43	5.467	5.467	0.000	84	22167	2.00	1.81	
62 Trichloroethene	95	5.893	5.893	0.000	83	12124	2.00	1.79	
64 Methylcyclohexane	83	6.021	6.021	0.000	82	16982	2.00	1.62	
65 1,2-Dichloropropane	63	6.130	6.130	0.000	77	14673	2.00	1.97	
67 Dibromomethane	93	6.276	6.264	0.012	69	9016	2.00	2.10	
66 1,4-Dioxane	88	6.289	6.282	0.007	38	2407	40.0	42.8	
68 Dichlorobromomethane	83	6.416	6.416	0.000	84	17332	2.00	1.96	
69 2-Chloroethyl vinyl ether	63	6.702	6.696	0.006	65	10124	2.00	1.88	
72 cis-1,3-Dichloropropene	75	6.842	6.836	0.006	64	18810	2.00	1.73	
73 4-Methyl-2-pentanone (MIBK	43	6.982	6.982	0.000	97	100626	10.0	10.8	
74 Toluene	92	7.128	7.134	-0.006	87	32805	2.00	1.90	
77 trans-1,3-Dichloropropene	75	7.408	7.402	0.006	73	19424	2.00	1.96	
75 Ethyl methacrylate	69	7.451	7.450	0.001	80	20877	2.00	2.10	
79 1,1,2-Trichloroethane	83	7.590	7.590	0.000	69	9737	2.00	1.99	
81 Tetrachloroethene	166	7.663	7.669	-0.006	80	12899	2.00	1.68	
82 1,3-Dichloropropane	76	7.755	7.755	0.000	83	21713	2.00	2.00	
80 2-Hexanone	43	7.828	7.822	0.006	98	73266	10.0	11.1	
83 Chlorodibromomethane	129	7.992	7.992	0.000	56	11619	2.00	1.76	
84 Ethylene Dibromide	107	8.102	8.101	0.001	73	13018	2.00	2.06	
87 Chlorobenzene	112	8.582	8.582	0.000	50	36579	2.00	1.88	
88 Ethylbenzene	91	8.673	8.673	0.000	24	63014	2.00	1.93	
89 1,1,1,2-Tetrachloroethane	131	8.673	8.673	0.000	37	14273	2.00	2.05	
90 m-Xylene & p-Xylene	106	8.789	8.795	-0.006	0	25211	2.00	2.02	
91 o-Xylene	106	9.221	9.221	0.000	91	23856	2.00	1.95	
92 Styrene	104	9.251	9.251	0.000	72	38243	2.00	1.86	
95 Bromoform	173	9.495	9.495	0.000	75	7084	2.00	1.67	
94 Isopropylbenzene	105	9.604	9.604	0.000	82	57195	2.00	1.80	
101 Bromobenzene	156	9.945	9.945	0.000	82	17524	2.00	2.07	
97 1,1,2,2-Tetrachloroethane	83	9.987	9.987	0.000	72	17420	2.00	2.13	
99 N-Propylbenzene	91	10.024	10.024	0.000	95	68434	2.00	1.83	
100 1,2,3-Trichloropropane	110	10.018	10.024	-0.006	37	6903	2.00	2.47	
98 trans-1,4-Dichloro-2-buten	53	10.042	10.036	0.006	24	2954	2.00	1.40	
103 2-Chlorotoluene	126	10.127	10.127	0.000	88	14918	2.00	1.85	
102 1,3,5-Trimethylbenzene	105	10.200	10.200	0.000	77	50170	2.00	1.85	
105 4-Chlorotoluene	126	10.237	10.237	0.000	75	14304	2.00	1.77	
106 tert-Butylbenzene	134	10.517	10.517	0.000	81	11789	2.00	1.84	
107 1,2,4-Trimethylbenzene	105	10.571	10.571	0.000	26	53428	2.00	1.91	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	10.724	10.723	0.001	81	60164	2.00	1.78	
111 1,3-Dichlorobenzene	146	10.857	10.857	0.000	81	31283	2.00	1.94	
110 4-Isopropyltoluene	119	10.863	10.863	0.000	93	53515	2.00	1.77	
113 1,4-Dichlorobenzene	146	10.949	10.942	0.007	78	32373	2.00	1.95	
115 n-Butylbenzene	91	11.247	11.247	0.000	92	47171	2.00	1.79	
116 1,2-Dichlorobenzene	146	11.295	11.295	0.000	90	30294	2.00	1.97	
117 1,2-Dibromo-3-Chloropropan	75	12.013	12.019	-0.006	24	4079	2.00	2.17	
119 1,2,4-Trichlorobenzene	180	12.695	12.694	0.001	70	20351	2.00	1.84	
120 Hexachlorobutadiene	225	12.804	12.804	0.000	67	8838	2.00	1.68	
121 Naphthalene	128	12.908	12.907	0.001	91	54746	2.00	1.90	
122 1,2,3-Trichlorobenzene	180	13.108	13.108	0.000	79	19521	2.00	1.83	
S 123 Total BTEX	1				0			9.62	
S 124 Xylenes, Total	1				0			3.97	
S 125 1,2-Dichloroethene, Total	1				0			3.88	
S 126 1,3-Dichloropropene, Total	1				0			3.69	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00114	Amount Added:	2.00	Units: uL	
GAS CORP mix_00249	Amount Added:	2.00	Units: uL	
S_8260_IS_00271	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00238	Amount Added:	1.00	Units: uL	Run Reagent

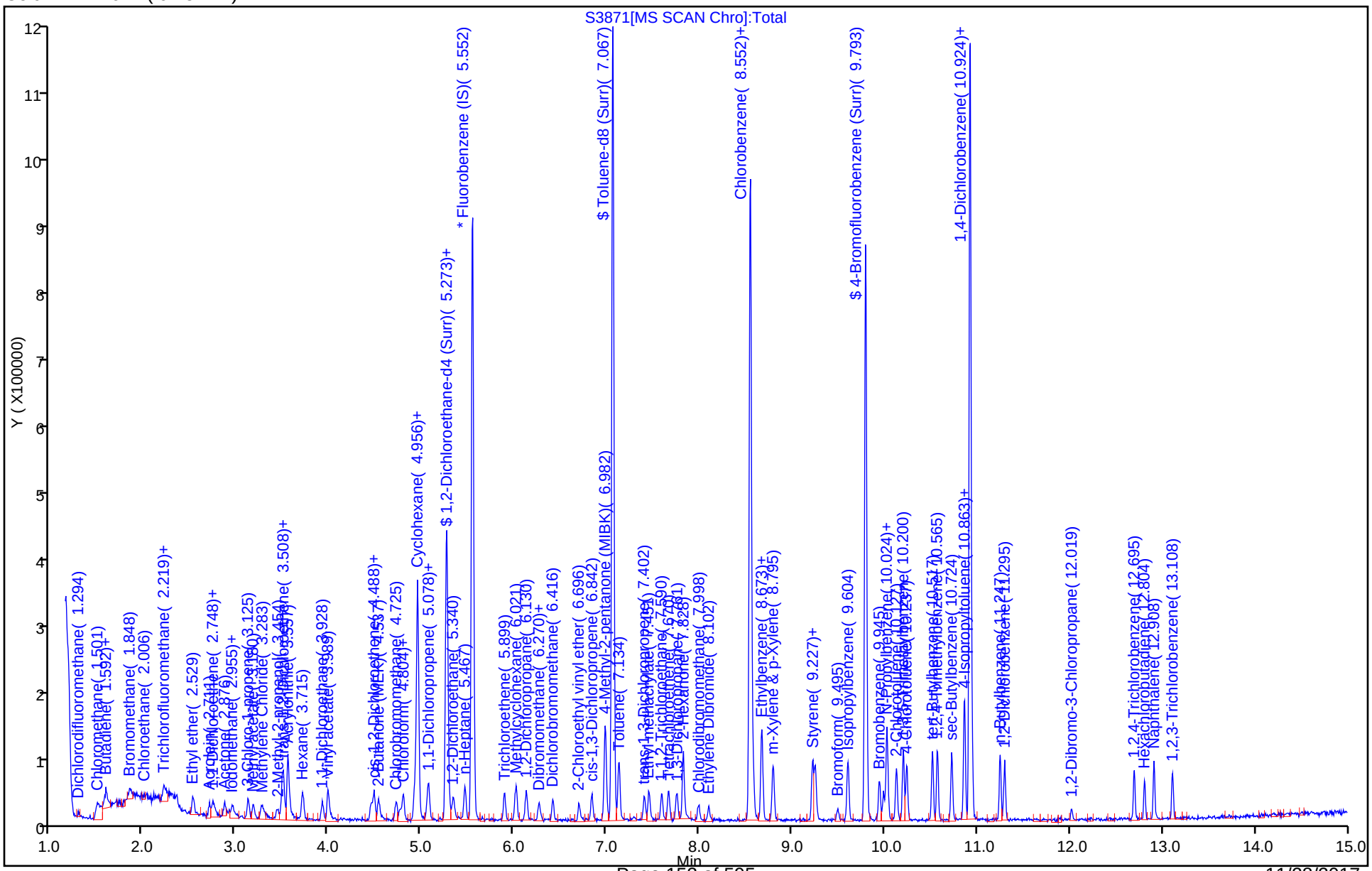
Report Date: 06-Nov-2017 14:29:47 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3871.D

Injection Date:	05-Nov-2017 20:28:30	Instrument ID:	HP5973S	Operator ID:	AS/AM
Lims ID:	IC 2			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

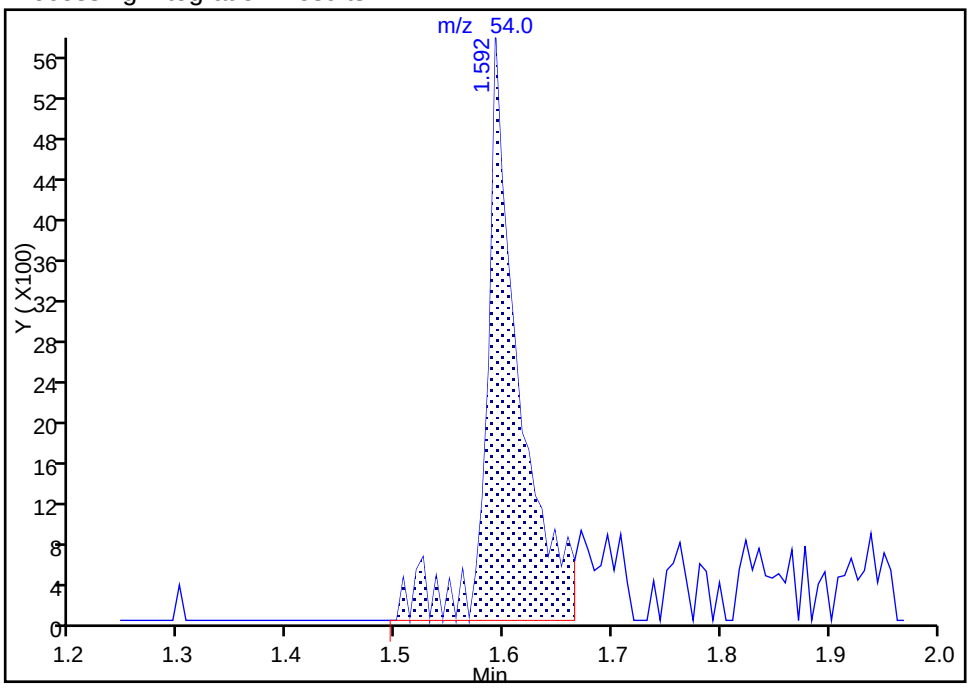
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Injection Date: 05-Nov-2017 20:28:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: AS/AM ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

151 Butadiene, CAS: 106-99-0

Signal: 1

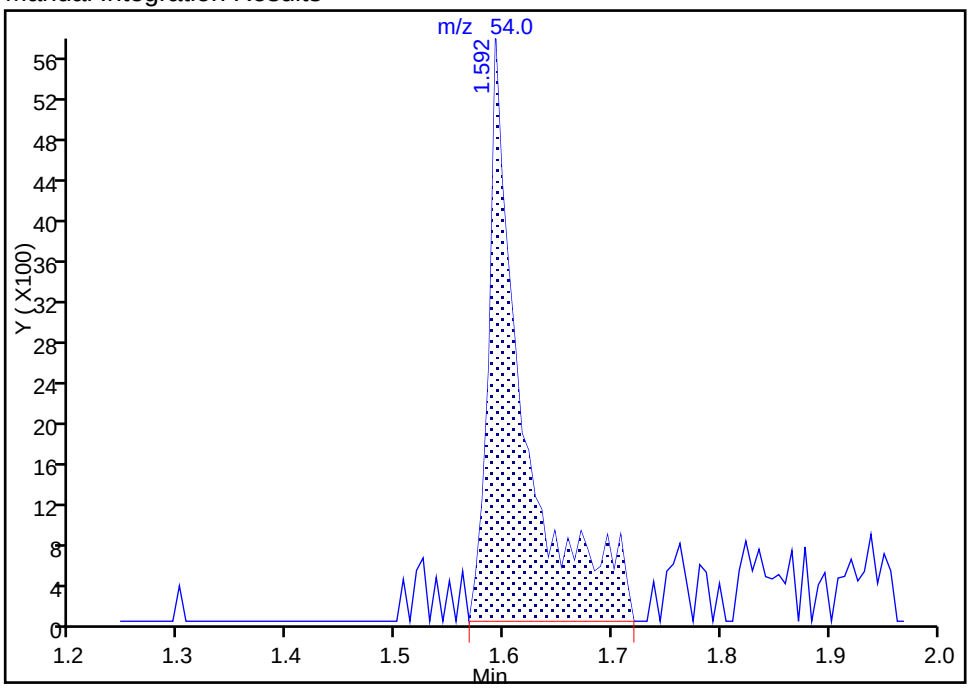
Processing Integration Results

RT: 1.59
Area: 11959
Amount: 1.639942
Amount Units: ug/L



Manual Integration Results

RT: 1.59
Area: 12809
Amount: 1.741999
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 11:40:43
Audit Action: Manually Integrated Audit Reason: Poor chromatography

TestAmerica Buffalo

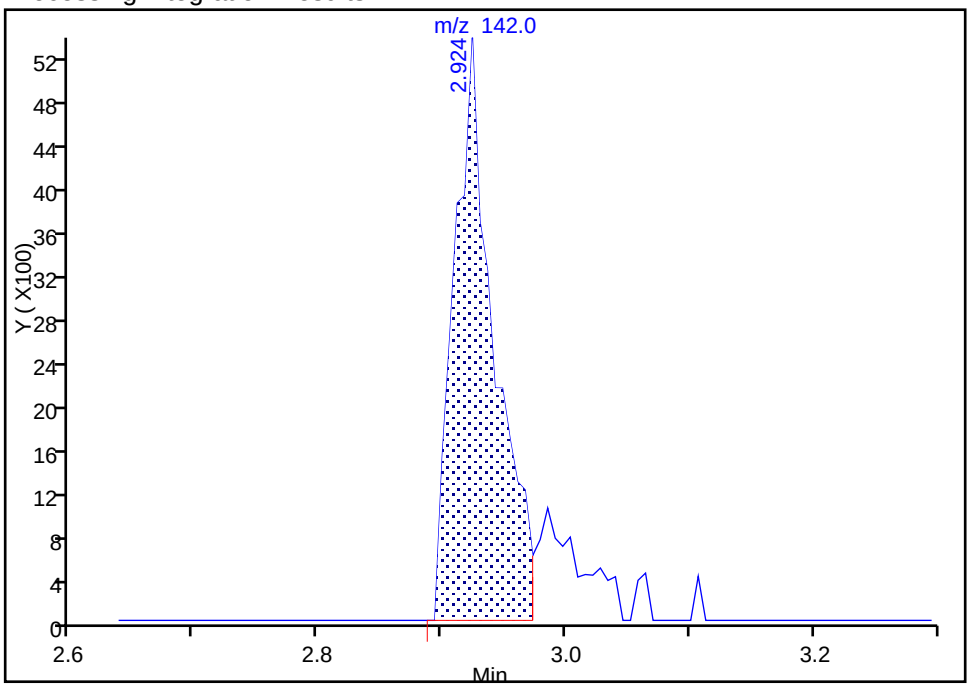
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Injection Date: 05-Nov-2017 20:28:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: AS/AM ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

25 Iodomethane, CAS: 74-88-4

Signal: 1

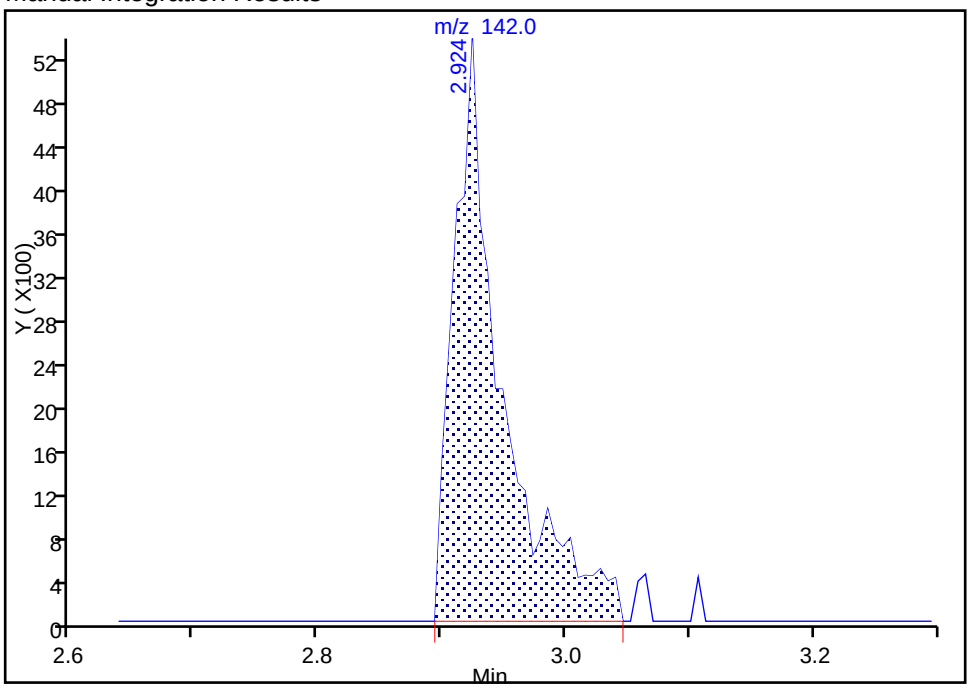
Processing Integration Results

RT: 2.92
Area: 11983
Amount: 1.449617
Amount Units: ug/L



Manual Integration Results

RT: 2.92
Area: 14322
Amount: 2.024030
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 12:13:29
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

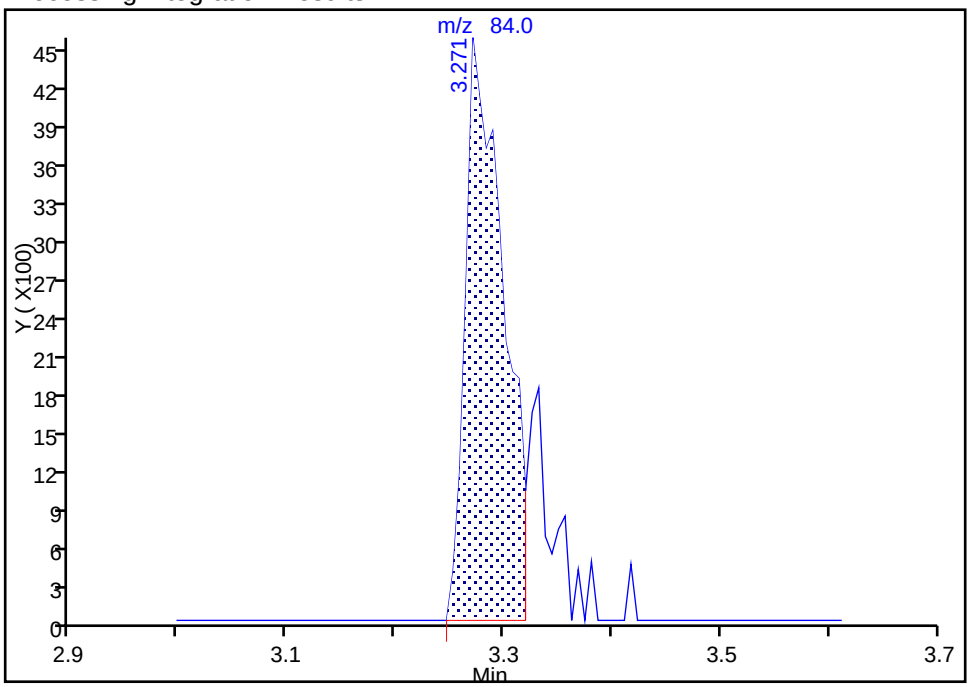
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Injection Date: 05-Nov-2017 20:28:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: AS/AM ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

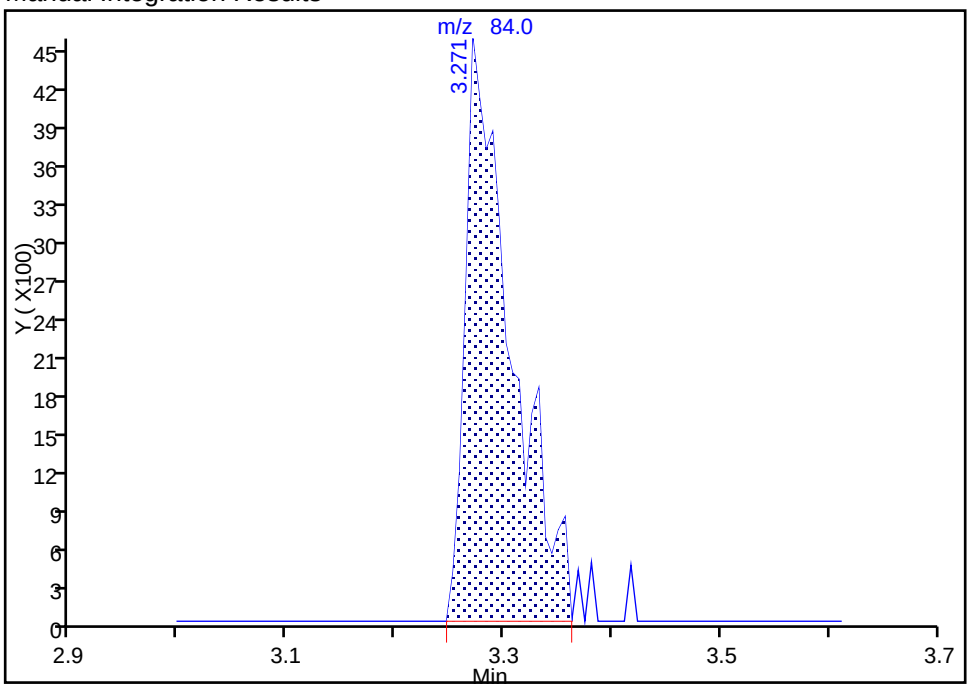
Processing Integration Results

RT: 3.27
Area: 11110
Amount: 1.598429
Amount Units: ug/L



Manual Integration Results

RT: 3.27
Area: 13348
Amount: 1.882533
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 11:41:47
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

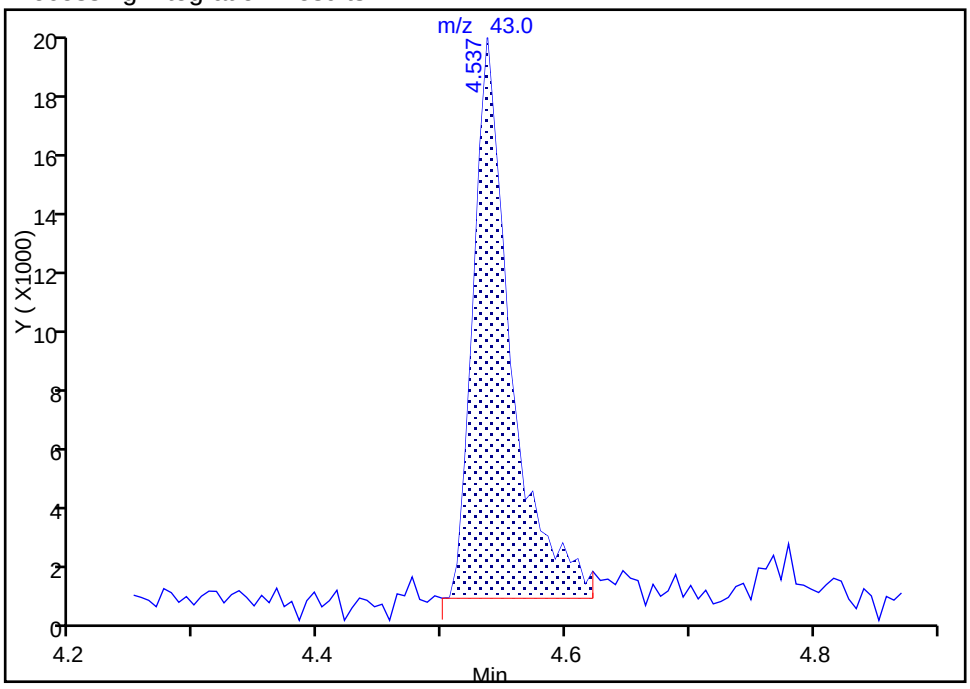
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Injection Date: 05-Nov-2017 20:28:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: AS/AM ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

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

Signal: 1

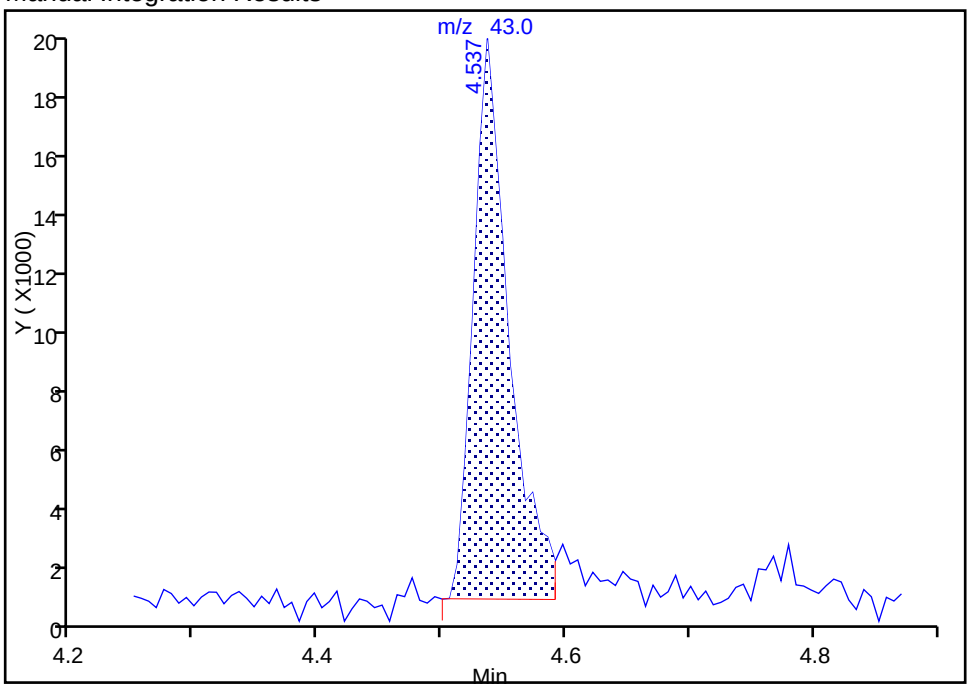
Processing Integration Results

RT: 4.54
Area: 39654
Amount: 8.912513
Amount Units: ug/L



Manual Integration Results

RT: 4.54
Area: 37569
Amount: 8.493648
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 11:49:36
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

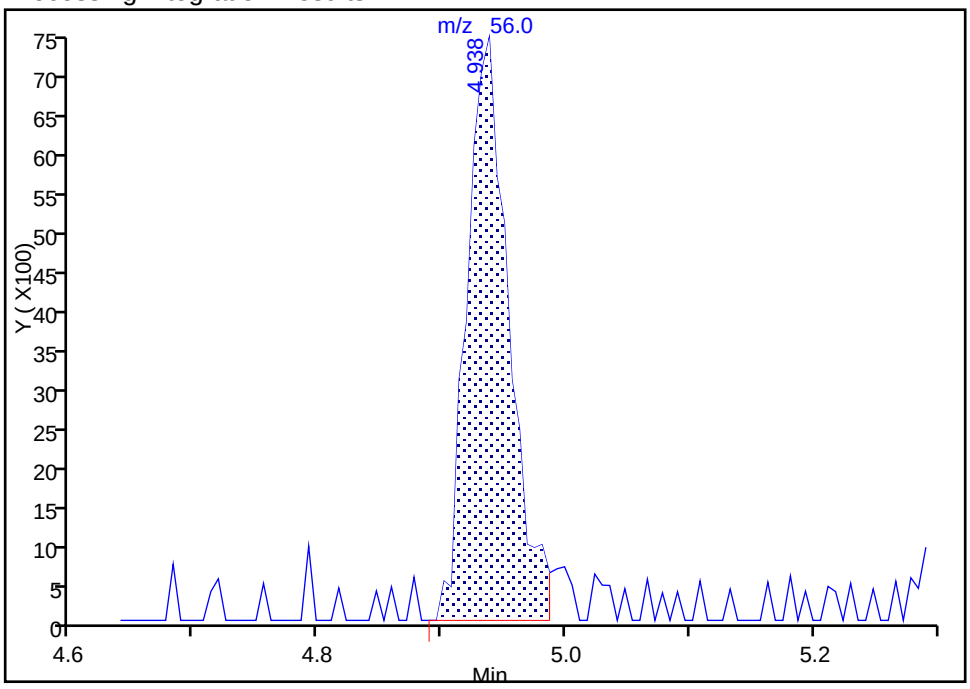
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Injection Date: 05-Nov-2017 20:28:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: AS/AM ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

52 Cyclohexane, CAS: 110-82-7

Signal: 1

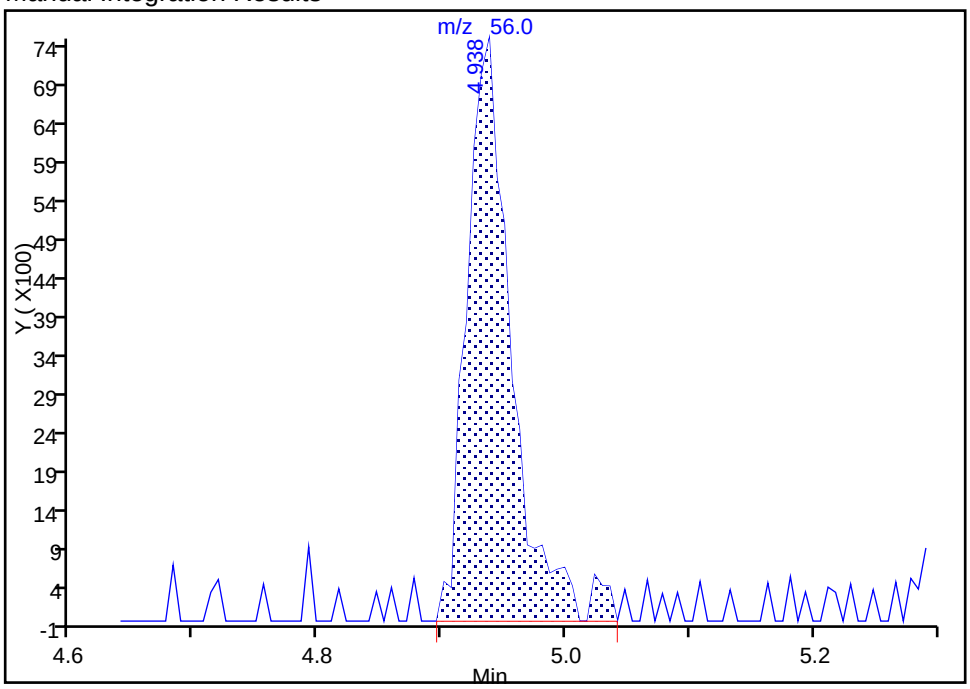
Processing Integration Results

RT: 4.94
Area: 17634
Amount: 1.591869
Amount Units: ug/L



Manual Integration Results

RT: 4.94
Area: 18854
Amount: 1.595415
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 12:11:47
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

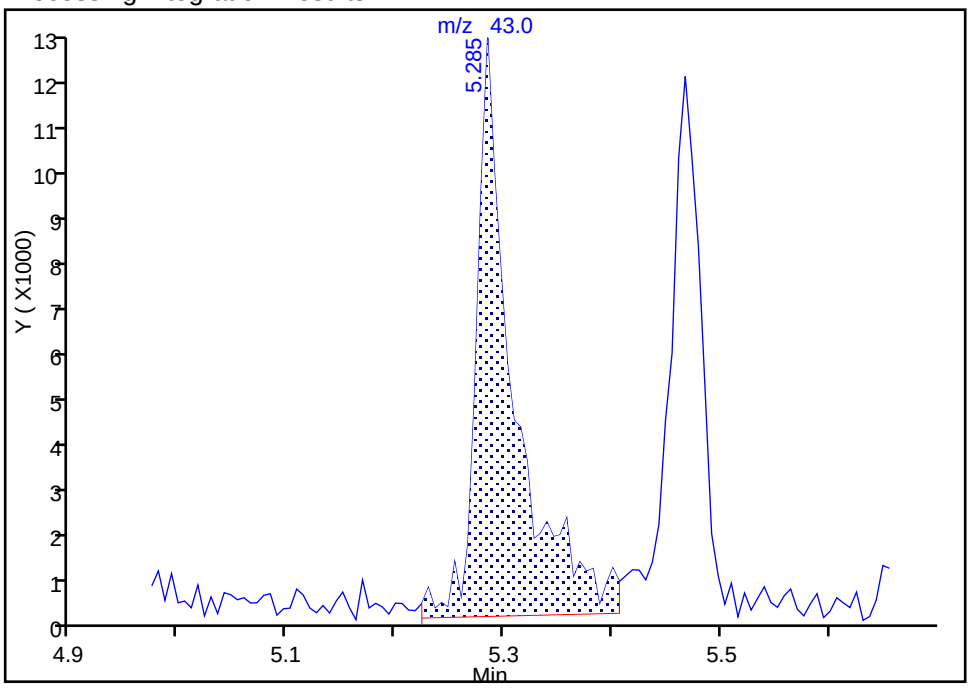
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3871.D
Injection Date: 05-Nov-2017 20:28:30 Instrument ID: HP5973S
Lims ID: IC 2
Client ID:
Operator ID: AS/AM ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

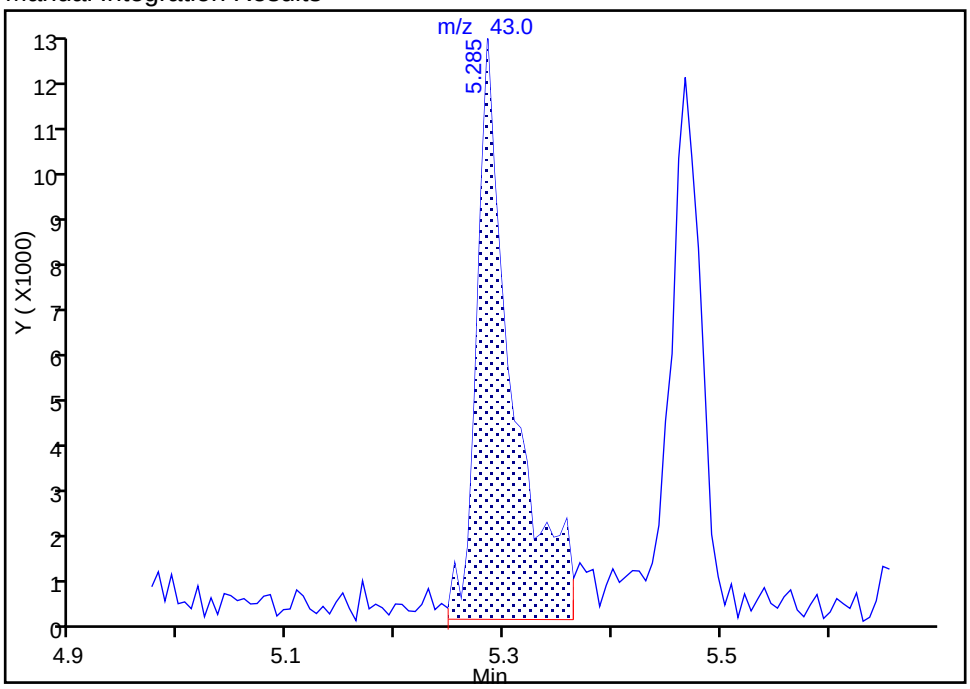
Processing Integration Results

RT: 5.28
Area: 27976
Amount: 52.722237
Amount Units: ug/L



Manual Integration Results

RT: 5.28
Area: 25998
Amount: 49.455474
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 11:54:25
Audit Action: Manually Integrated Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3872.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 05-Nov-2017 20:52:30 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0067029-011
Operator ID: AS/AM Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Nov-2017 14:29:48 Calib Date: 06-Nov-2017 02:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3887.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK039

First Level Reviewer: moffata Date: 06-Nov-2017 11:33:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.552	5.552	0.000	98	136407	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.552	8.552	0.000	86	273660	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.924	10.924	0.000	92	269552	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.956	4.956	0.000	80	175852	25.0	25.5	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.272	5.272	0.000	0	112484	25.0	25.0	
$ 5 Toluene-d8 (Surr)	98	7.067	7.067	0.000	93	692679	25.0	25.0	
$ 6 4-Bromofluorobenzene (Surr	174	9.793	9.793	0.000	88	230686	25.0	25.0	
10 Dichlorodifluoromethane	85	1.306	1.306	0.000	90	25356	5.00	5.06	
12 Chloromethane	50	1.482	1.482	0.000	95	43348	5.00	4.99	
13 Vinyl chloride	62	1.580	1.580	0.000	79	32559	5.00	4.74	
151 Butadiene	54	1.598	1.598	0.000	68	37284	5.00	5.16	M
14 Bromomethane	94	1.890	1.890	0.000	61	18587	5.00	4.08	
15 Chloroethane	64	2.012	2.012	0.000	79	22892	5.00	5.09	
16 Dichlorofluoromethane	67	2.231	2.231	0.000	92	60589	5.00	5.95	M
17 Trichlorofluoromethane	101	2.225	2.225	0.000	72	39926	5.00	4.97	M
18 Ethyl ether	59	2.535	2.535	0.000	91	31798	5.00	4.71	
20 Acrolein	56	2.711	2.711	0.000	92	33483	25.0	21.8	
21 1,1,2-Trichloro-1,2,2-trif	101	2.748	2.748	0.000	60	24291	5.00	5.25	M
22 1,1-Dichloroethene	96	2.760	2.760	0.000	88	30446	5.00	4.94	M
23 Acetone	43	2.876	2.876	0.000	93	64828	25.0	23.3	
25 Iodomethane	142	2.930	2.930	0.000	95	40218	5.00	4.41	
26 Carbon disulfide	76	2.961	2.961	0.000	98	91412	5.00	4.83	
28 3-Chloro-1-propene	41	3.131	3.131	0.000	84	60483	5.00	4.78	
27 Methyl acetate	43	3.186	3.186	0.000	97	70680	10.0	9.76	
30 Methylene Chloride	84	3.283	3.283	0.000	91	32517	5.00	4.67	
31 2-Methyl-2-propanol	59	3.447	3.447	0.000	98	49456	50.0	48.7	
32 Methyl tert-butyl ether	73	3.496	3.496	0.000	89	101340	5.00	4.79	
34 trans-1,2-Dichloroethene	96	3.508	3.508	0.000	69	32789	5.00	4.99	
33 Acrylonitrile	53	3.557	3.557	0.000	95	160860	50.0	47.8	
35 Hexane	57	3.715	3.715	0.000	90	57503	5.00	5.40	

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	3.934	3.934	0.000	82	59912	5.00	4.97	
37 Vinyl acetate	43	3.989	3.989	0.000	96	164704	10.0	9.55	
44 2,2-Dichloropropane	77	4.457	4.457	0.000	88	41133	5.00	4.94	
45 cis-1,2-Dichloroethene	96	4.488	4.488	0.000	78	36828	5.00	4.96	
43 2-Butanone (MEK)	43	4.530	4.530	0.000	97	99971	25.0	23.0	M
48 Chlorobromomethane	128	4.725	4.725	0.000	87	16577	5.00	4.53	
49 Tetrahydrofuran	42	4.768	4.768	0.000	87	29766	10.0	9.56	
50 Chloroform	83	4.798	4.798	0.000	91	53077	5.00	4.75	
51 1,1,1-Trichloroethane	97	4.926	4.926	0.000	87	46812	5.00	5.03	
52 Cyclohexane	56	4.932	4.932	0.000	96	62372	5.00	5.37	M
55 Carbon tetrachloride	117	5.066	5.066	0.000	87	42253	5.00	4.91	
54 1,1-Dichloropropene	75	5.078	5.078	0.000	87	43329	5.00	4.97	
53 Isobutyl alcohol	43	5.285	5.285	0.000	63	57201	125.0	110.8	
57 Benzene	78	5.279	5.279	0.000	80	127369	5.00	4.81	
58 1,2-Dichloroethane	62	5.345	5.345	0.000	54	48840	5.00	4.72	
59 n-Heptane	43	5.473	5.473	0.000	95	57549	5.00	4.79	
62 Trichloroethene	95	5.893	5.893	0.000	89	34375	5.00	5.16	
64 Methylcyclohexane	83	6.021	6.021	0.000	91	53997	5.00	5.24	
65 1,2-Dichloropropane	63	6.130	6.130	0.000	86	33778	5.00	4.61	
67 Dibromomethane	93	6.270	6.270	0.000	86	19172	5.00	4.55	
66 1,4-Dioxane	88	6.288	6.288	0.000	58	8159	100.0	98.4	M
68 Dichlorobromomethane	83	6.422	6.422	0.000	92	41797	5.00	4.81	
69 2-Chloroethyl vinyl ether	63	6.702	6.702	0.000	78	24102	5.00	4.56	
72 cis-1,3-Dichloropropene	75	6.842	6.842	0.000	74	50994	5.00	4.79	
73 4-Methyl-2-pentanone (MIBK	43	6.982	6.982	0.000	97	224373	25.0	24.3	
74 Toluene	92	7.134	7.134	0.000	81	82078	5.00	4.81	
77 trans-1,3-Dichloropropene	75	7.402	7.402	0.000	94	46539	5.00	4.73	
75 Ethyl methacrylate	69	7.450	7.450	0.000	85	44772	5.00	4.54	
79 1,1,2-Trichloroethane	83	7.596	7.596	0.000	80	23319	5.00	4.80	
81 Tetrachloroethene	166	7.669	7.669	0.000	86	35751	5.00	4.71	
82 1,3-Dichloropropane	76	7.755	7.755	0.000	97	51728	5.00	4.82	
80 2-Hexanone	43	7.822	7.822	0.000	95	146924	25.0	22.4	
83 Chlorodibromomethane	129	7.992	7.992	0.000	84	32011	5.00	4.88	
84 Ethylene Dibromide	107	8.101	8.101	0.000	89	30994	5.00	4.94	
87 Chlorobenzene	112	8.582	8.582	0.000	93	92324	5.00	4.80	
89 1,1,1,2-Tetrachloroethane	131	8.679	8.679	0.000	41	32406	5.00	4.69	
88 Ethylbenzene	91	8.673	8.673	0.000	36	155974	5.00	4.82	
90 m-Xylene & p-Xylene	106	8.795	8.795	0.000	0	58522	5.00	4.73	
91 o-Xylene	106	9.221	9.221	0.000	98	59636	5.00	4.93	
92 Styrene	104	9.251	9.251	0.000	94	98920	5.00	4.86	
95 Bromoform	173	9.488	9.488	0.000	77	19914	5.00	4.74	
94 Isopropylbenzene	105	9.604	9.604	0.000	94	153136	5.00	4.97	
101 Bromobenzene	156	9.945	9.945	0.000	92	39345	5.00	4.80	
97 1,1,2,2-Tetrachloroethane	83	9.987	9.987	0.000	87	38728	5.00	4.90	
100 1,2,3-Trichloropropane	110	10.018	10.018	0.000	37	13221	5.00	4.89	
99 N-Propylbenzene	91	10.024	10.024	0.000	97	183565	5.00	5.07	
98 trans-1,4-Dichloro-2-buten	53	10.042	10.042	0.000	32	8179	5.00	4.00	
103 2-Chlorotoluene	126	10.127	10.127	0.000	95	37255	5.00	4.78	
102 1,3,5-Trimethylbenzene	105	10.200	10.200	0.000	82	130125	5.00	4.96	
105 4-Chlorotoluene	126	10.237	10.237	0.000	79	38658	5.00	4.94	
106 tert-Butylbenzene	134	10.517	10.517	0.000	89	29491	5.00	4.76	
107 1,2,4-Trimethylbenzene	105	10.571	10.571	0.000	37	136782	5.00	5.05	

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	10.723	10.723	0.000	92	165401	5.00	5.06	
111 1,3-Dichlorobenzene	146	10.857	10.857	0.000	75	77212	5.00	4.95	
110 4-Isopropyltoluene	119	10.863	10.863	0.000	96	148208	5.00	5.08	
113 1,4-Dichlorobenzene	146	10.942	10.942	0.000	76	78704	5.00	4.89	
115 n-Butylbenzene	91	11.247	11.247	0.000	96	127113	5.00	4.98	
116 1,2-Dichlorobenzene	146	11.295	11.295	0.000	94	72261	5.00	4.85	
117 1,2-Dibromo-3-Chloropropan	75	12.019	12.019	0.000	65	8876	5.00	4.89	
119 1,2,4-Trichlorobenzene	180	12.694	12.694	0.000	91	52081	5.00	4.87	
120 Hexachlorobutadiene	225	12.804	12.804	0.000	91	26589	5.00	5.22	
121 Naphthalene	128	12.907	12.907	0.000	96	135895	5.00	4.87	
122 1,2,3-Trichlorobenzene	180	13.108	13.108	0.000	95	48738	5.00	4.73	
S 125 1,2-Dichloroethene, Total	1				0			9.95	
S 126 1,3-Dichloropropene, Total	1				0			9.52	
S 123 Total BTEX	1				0			24.1	
S 124 Xylenes, Total	1				0			9.66	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00114	Amount Added:	5.00	Units: uL	
GAS CORP mix_00249	Amount Added:	5.00	Units: uL	
S_8260_IS_00271	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00238	Amount Added:	1.00	Units: uL	Run Reagent

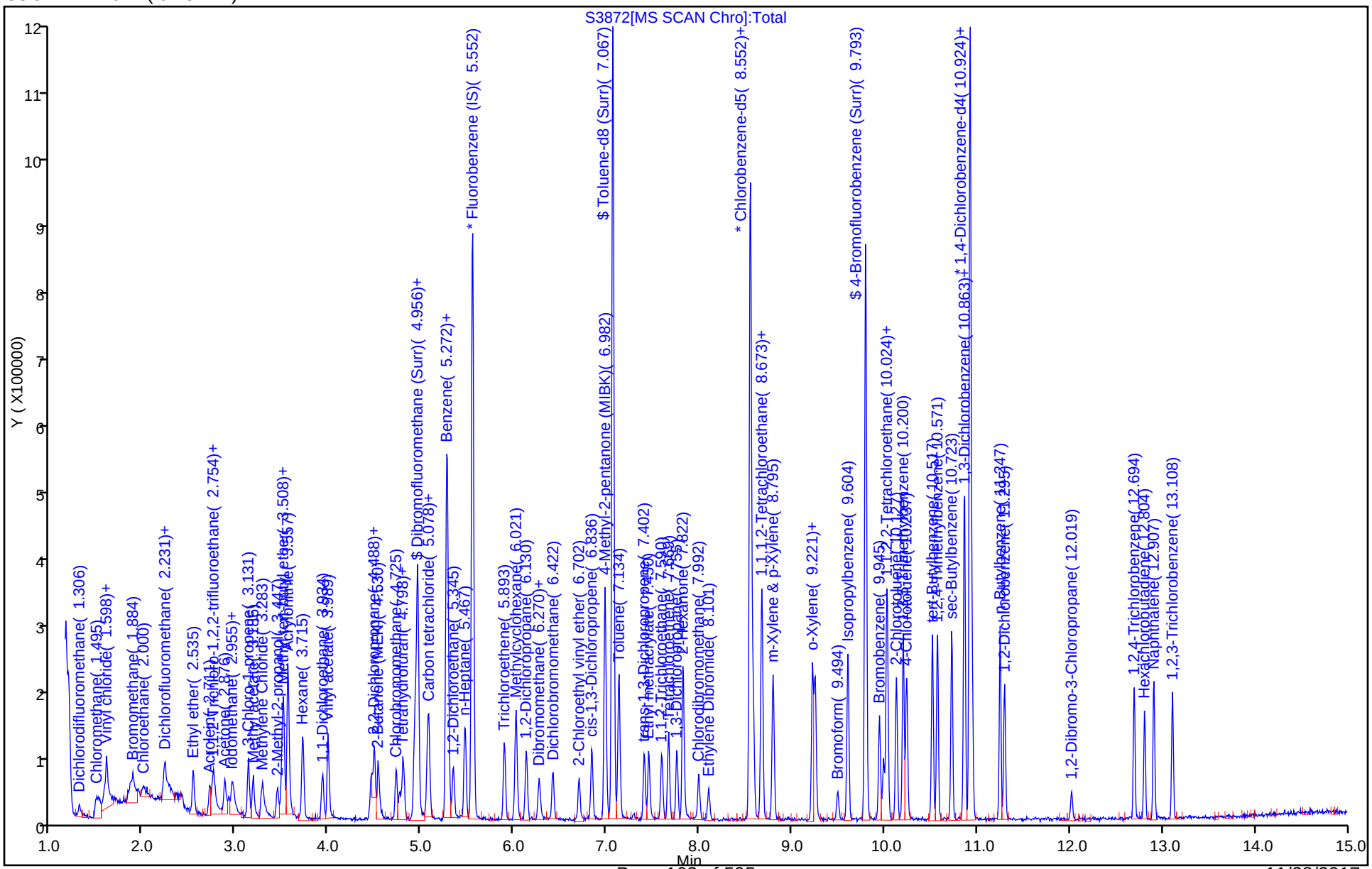
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TestAmerica Buffalo

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Injection Date:	05-Nov-2017 20:52:30	Instrument ID:	HP5973S	Operator ID:	AS/AM
Lims ID:	IC 3			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

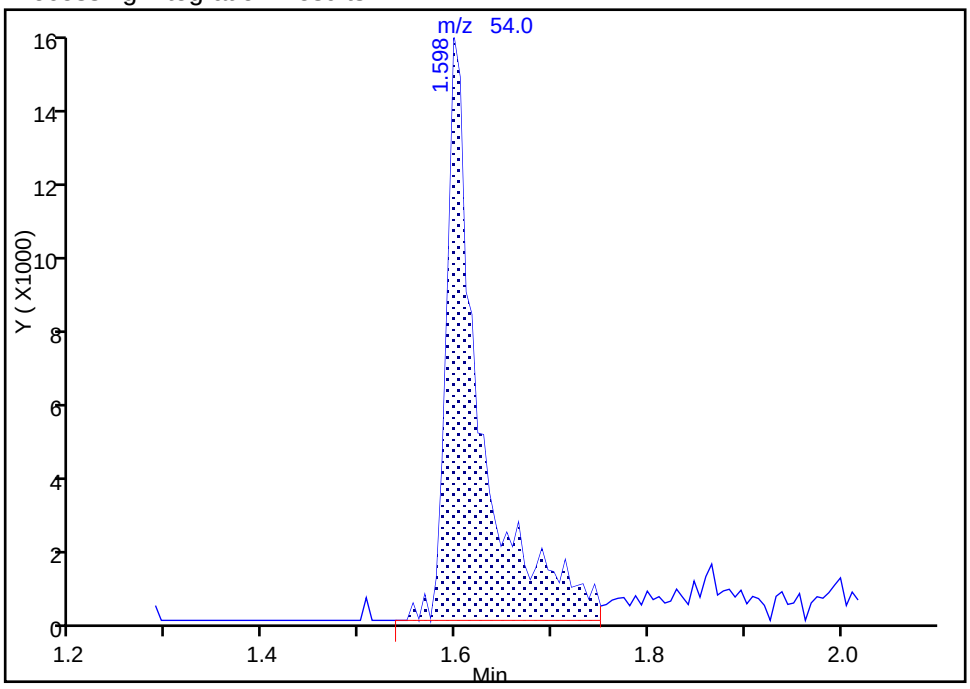
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Injection Date: 05-Nov-2017 20:52:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: AS/AM ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

151 Butadiene, CAS: 106-99-0

Signal: 1

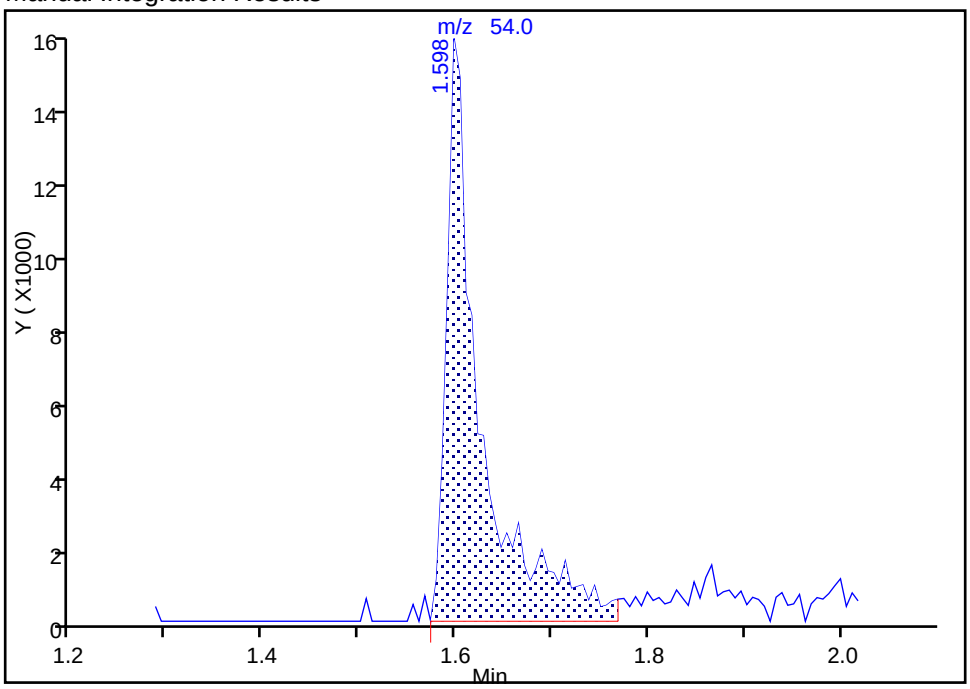
Processing Integration Results

RT: 1.60
Area: 37130
Amount: 5.188453
Amount Units: ug/L



Manual Integration Results

RT: 1.60
Area: 37284
Amount: 5.163779
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 11:32:53
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

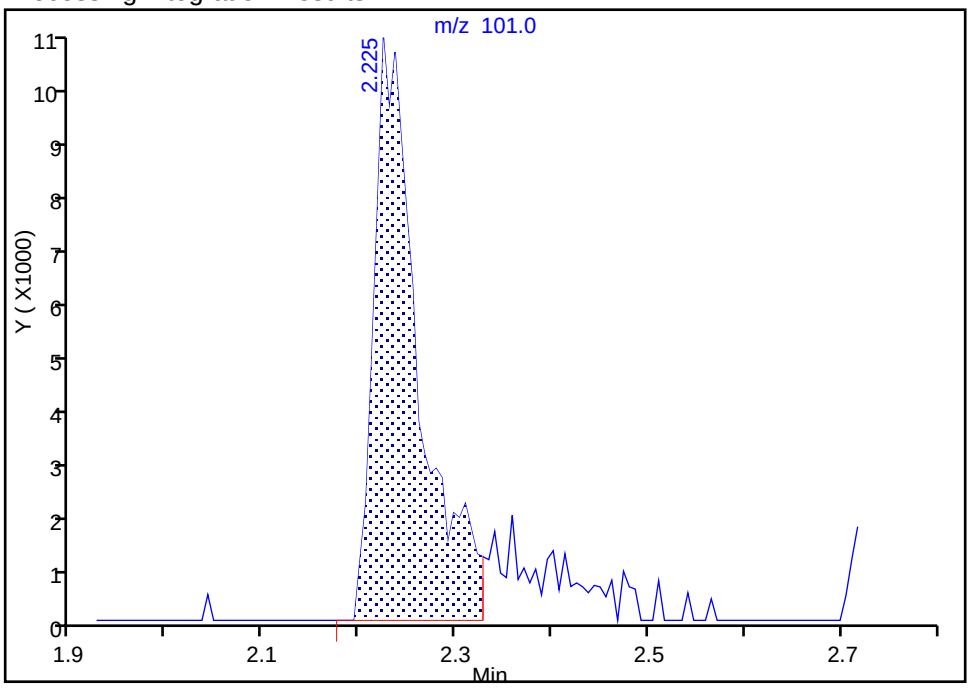
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Lims ID: IC 3
Client ID:
Operator ID: AS/AM ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

17 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

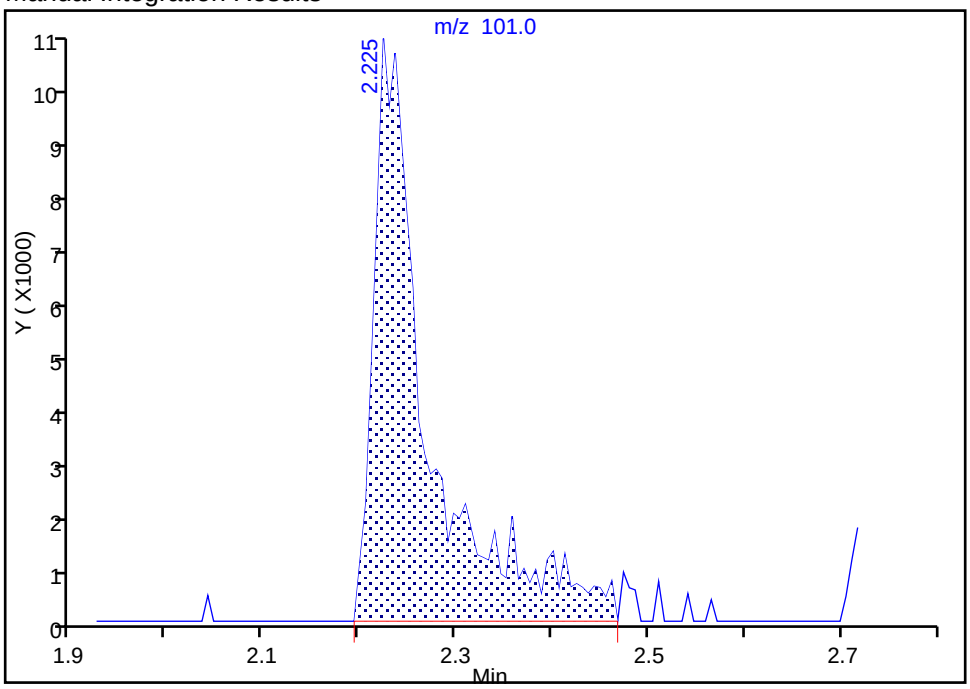
Processing Integration Results

RT: 2.22
Area: 33230
Amount: 4.673037
Amount Units: ug/L



Manual Integration Results

RT: 2.22
Area: 39926
Amount: 4.973195
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 11:36:02
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

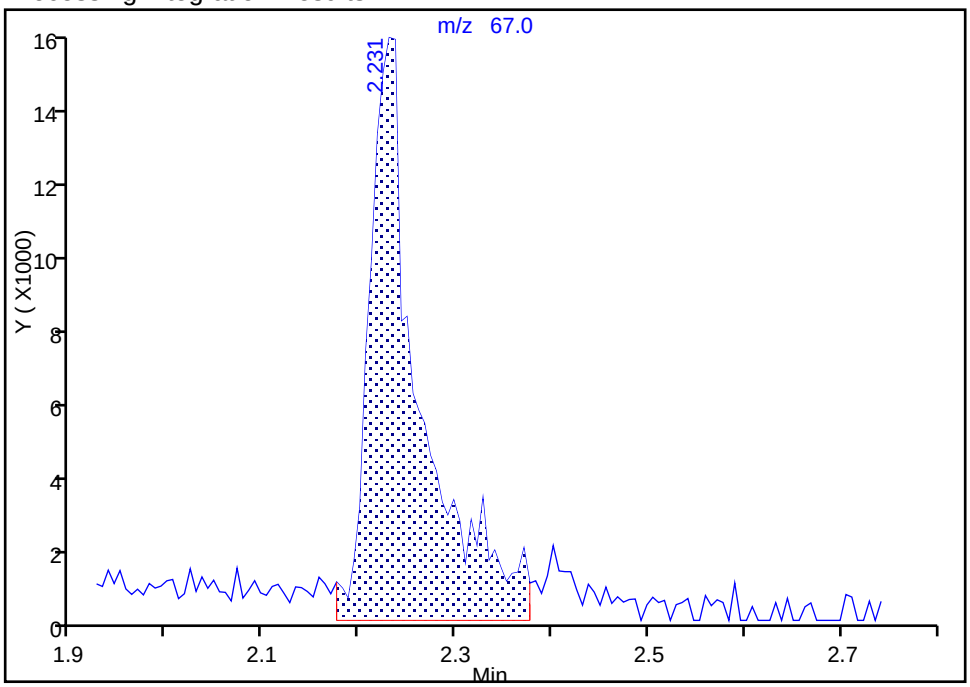
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Injection Date: 05-Nov-2017 20:52:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: AS/AM ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

16 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

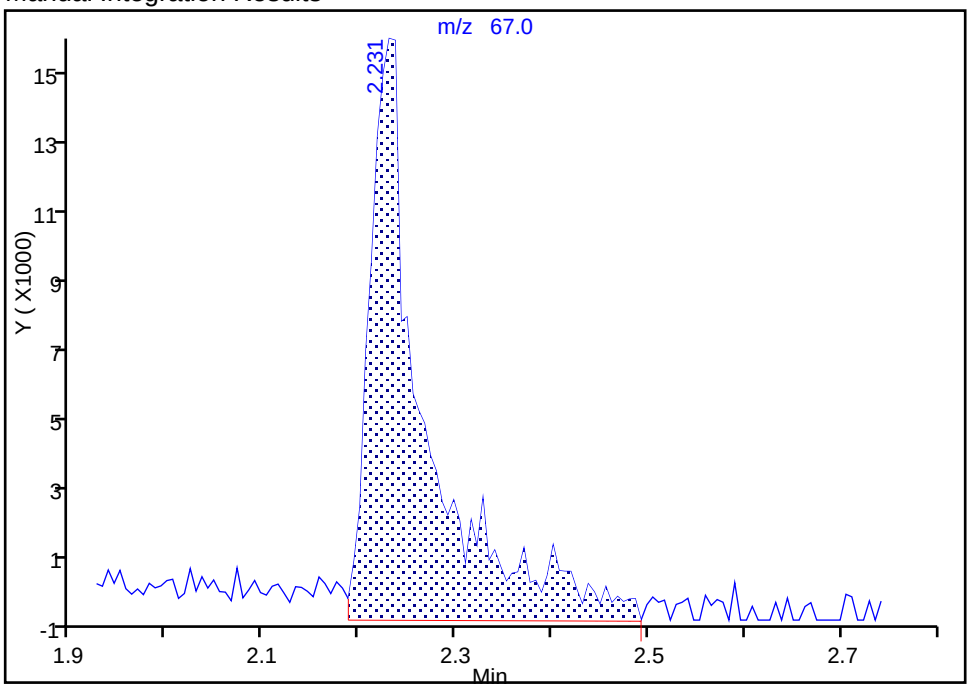
Processing Integration Results

RT: 2.23
Area: 55364
Amount: 5.515557
Amount Units: ug/L



Manual Integration Results

RT: 2.23
Area: 60589
Amount: 5.947635
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 11:33:42
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

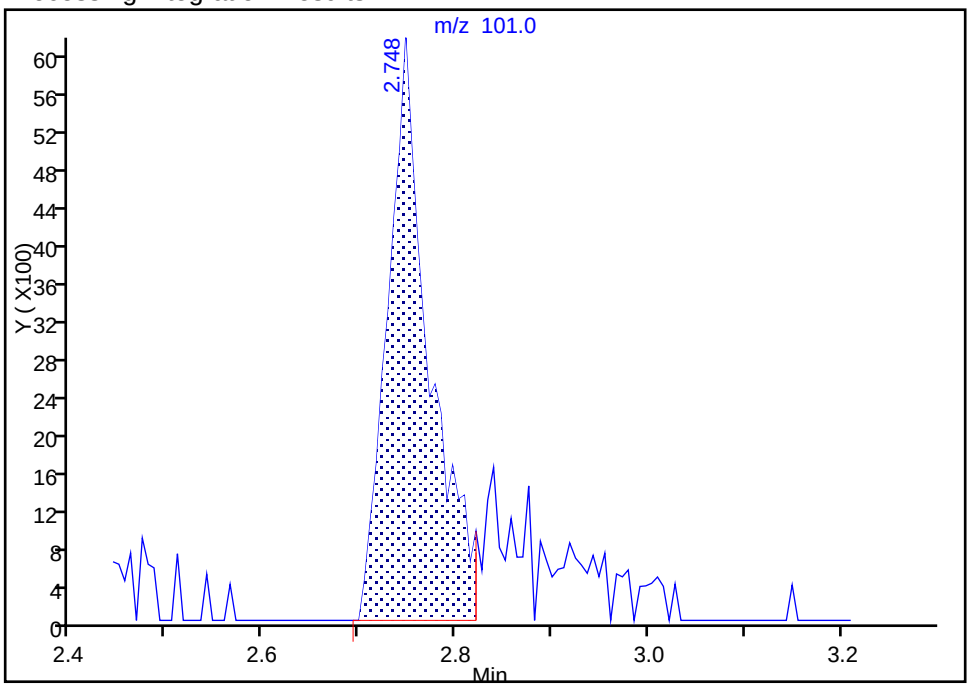
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Injection Date: 05-Nov-2017 20:52:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: AS/AM ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

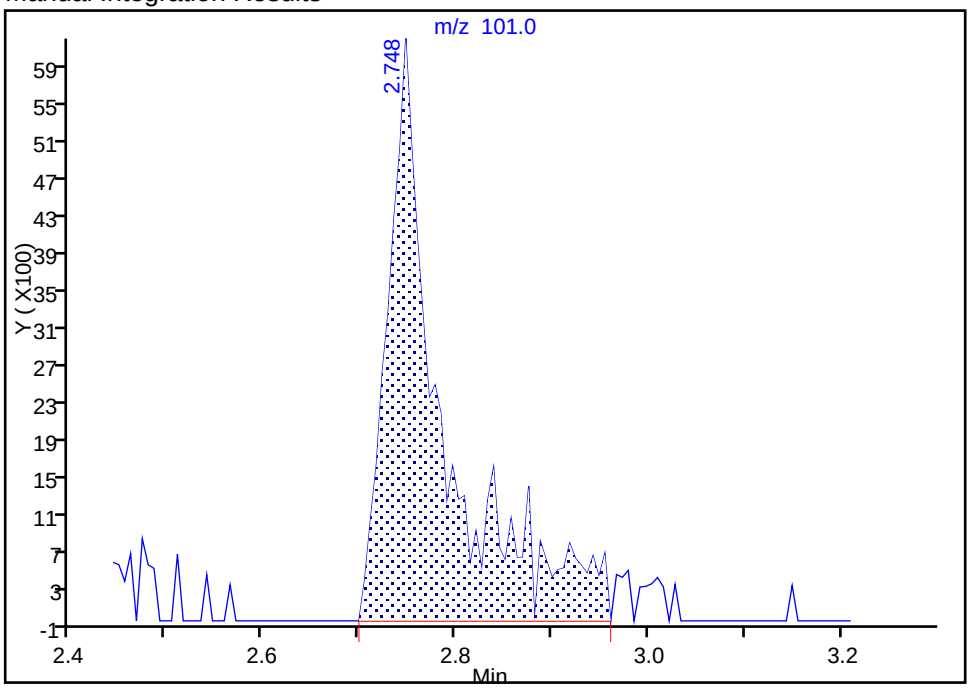
Processing Integration Results

RT: 2.75
Area: 18388
Amount: 4.323628
Amount Units: ug/L



Manual Integration Results

RT: 2.75
Area: 24291
Amount: 5.251950
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 11:39:52
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

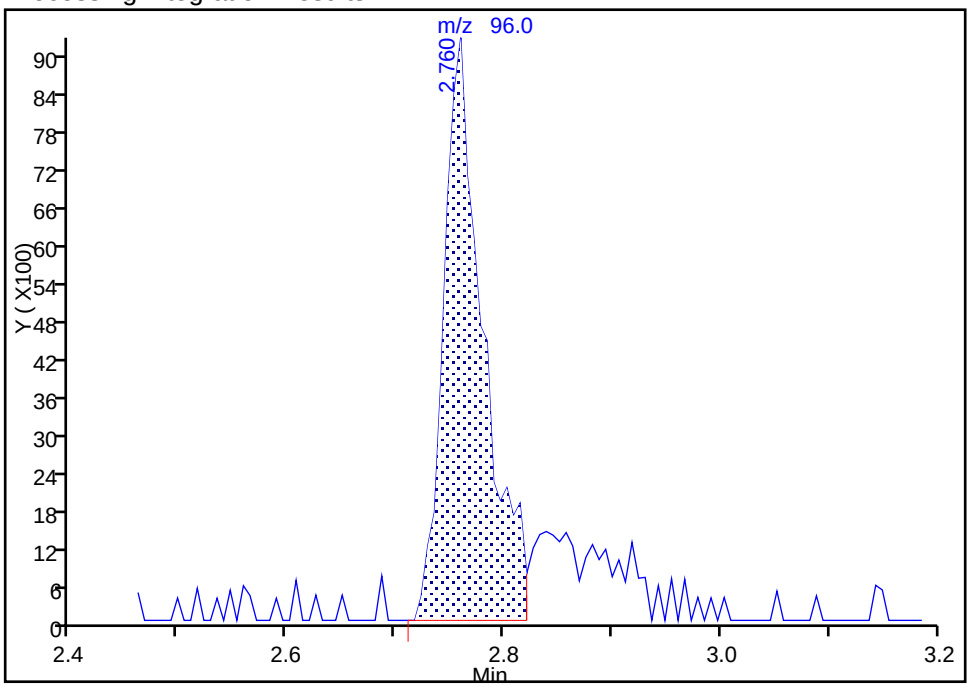
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Injection Date: 05-Nov-2017 20:52:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: AS/AM ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

22 1,1-Dichloroethene, CAS: 75-35-4

Signal: 1

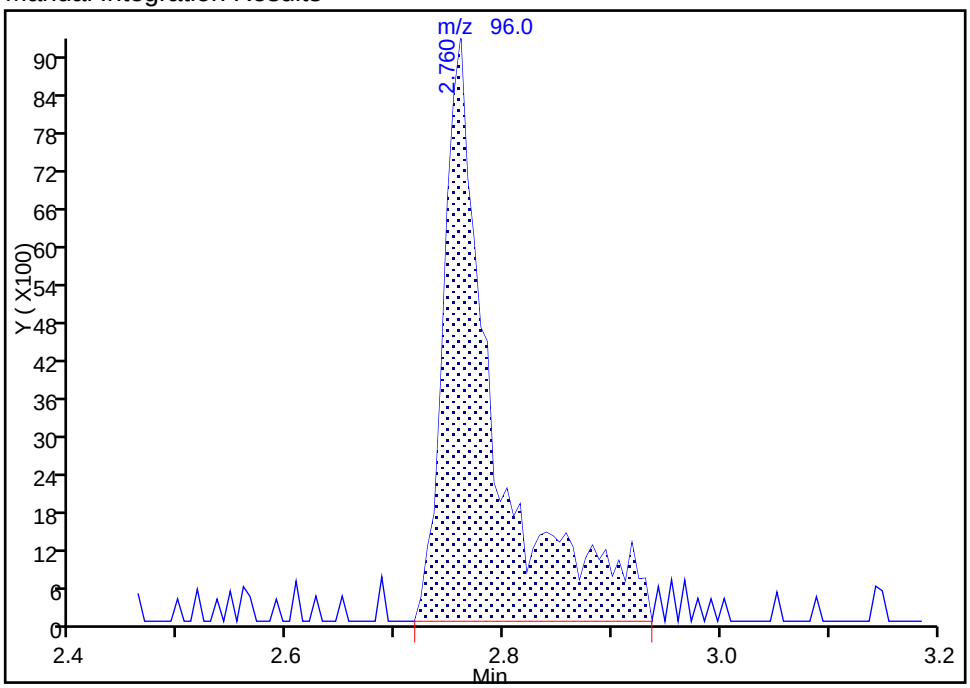
Processing Integration Results

RT: 2.76
Area: 23520
Amount: 3.946869
Amount Units: ug/L



Manual Integration Results

RT: 2.76
Area: 30446
Amount: 4.936570
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 11:57:17
Audit Action: Manually Integrated Audit Reason: Poor chromatography

TestAmerica Buffalo

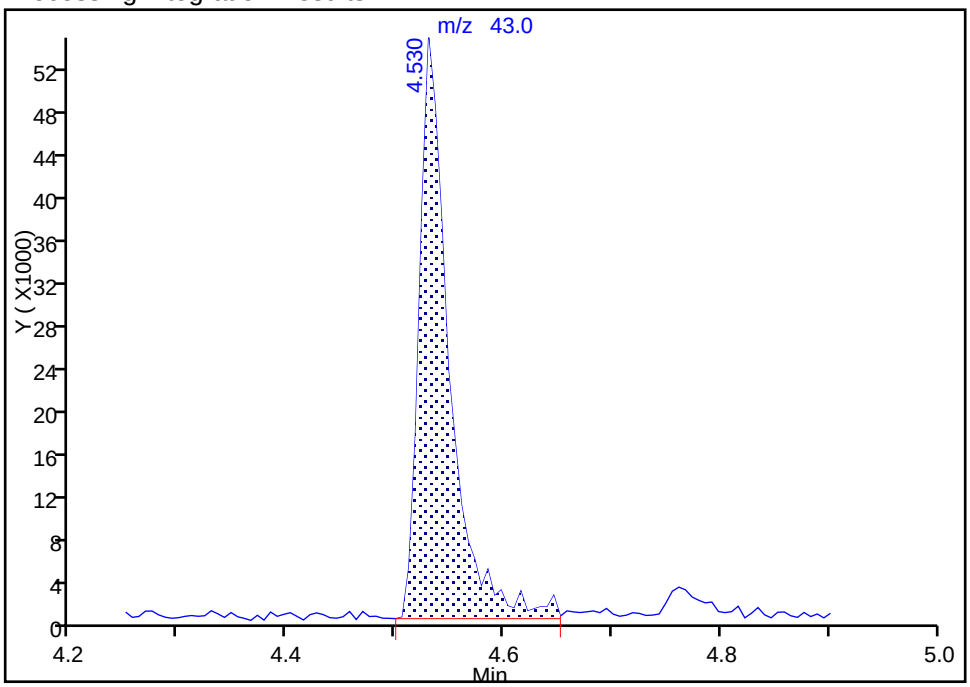
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Injection Date: 05-Nov-2017 20:52:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: AS/AM ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

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

Signal: 1

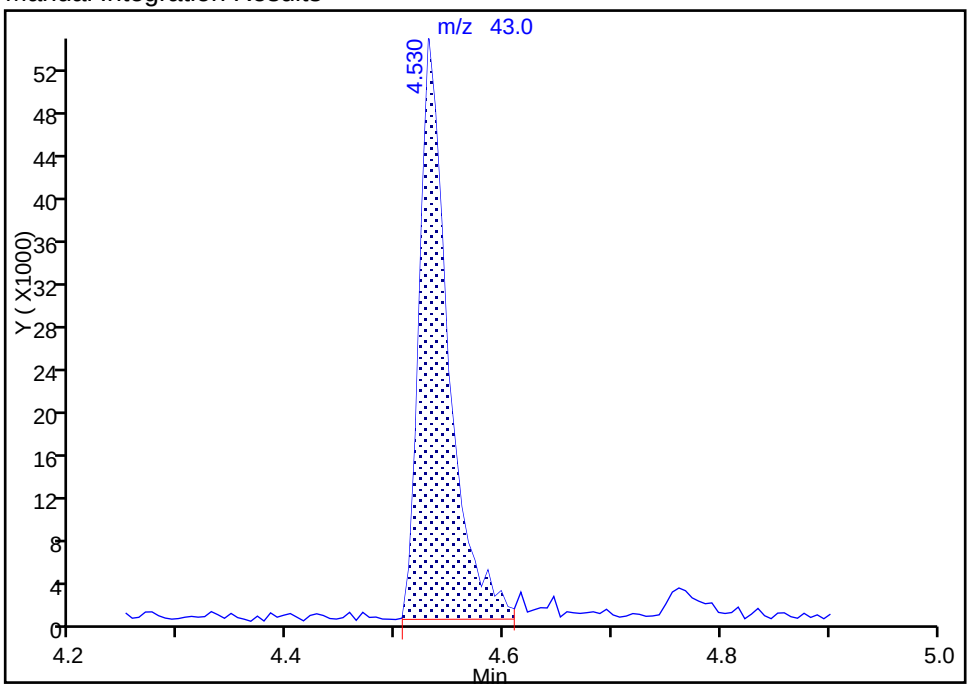
Processing Integration Results

RT: 4.53
Area: 103294
Amount: 23.553327
Amount Units: ug/L



Manual Integration Results

RT: 4.53
Area: 99971
Amount: 23.017129
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 11:48:57
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

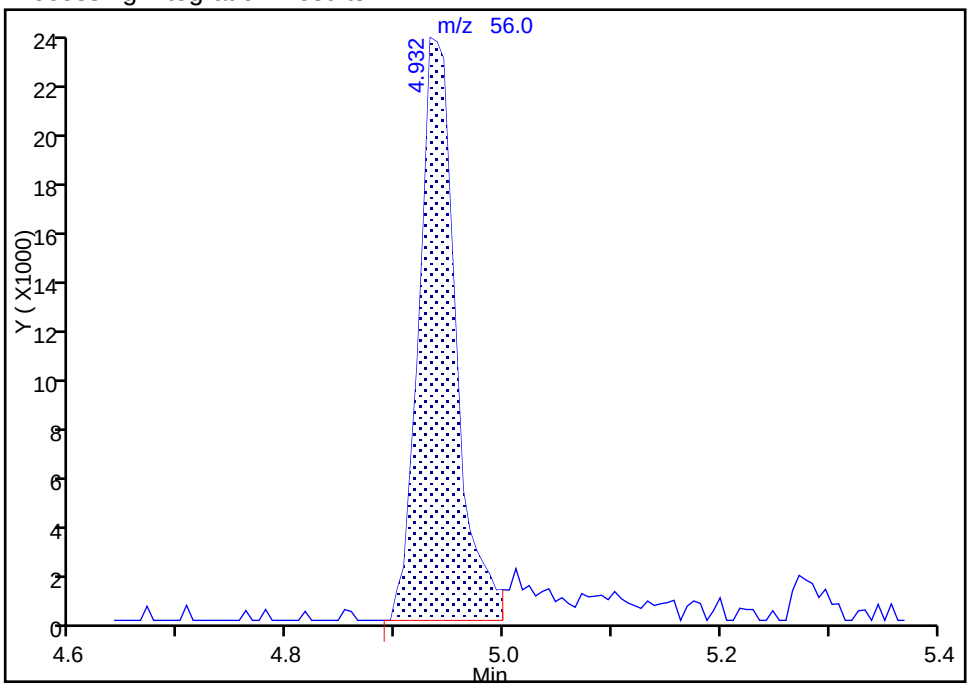
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Injection Date: 05-Nov-2017 20:52:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: AS/AM ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

52 Cyclohexane, CAS: 110-82-7

Signal: 1

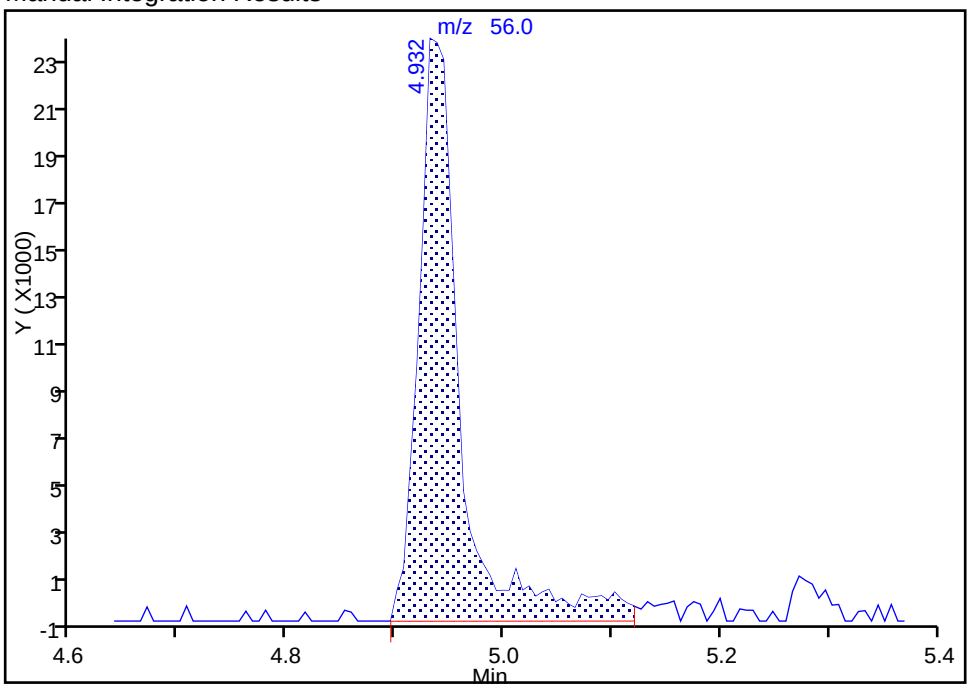
Processing Integration Results

RT: 4.93
Area: 54934
Amount: 4.842802
Amount Units: ug/L



Manual Integration Results

RT: 4.93
Area: 62372
Amount: 5.374924
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 12:11:09
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

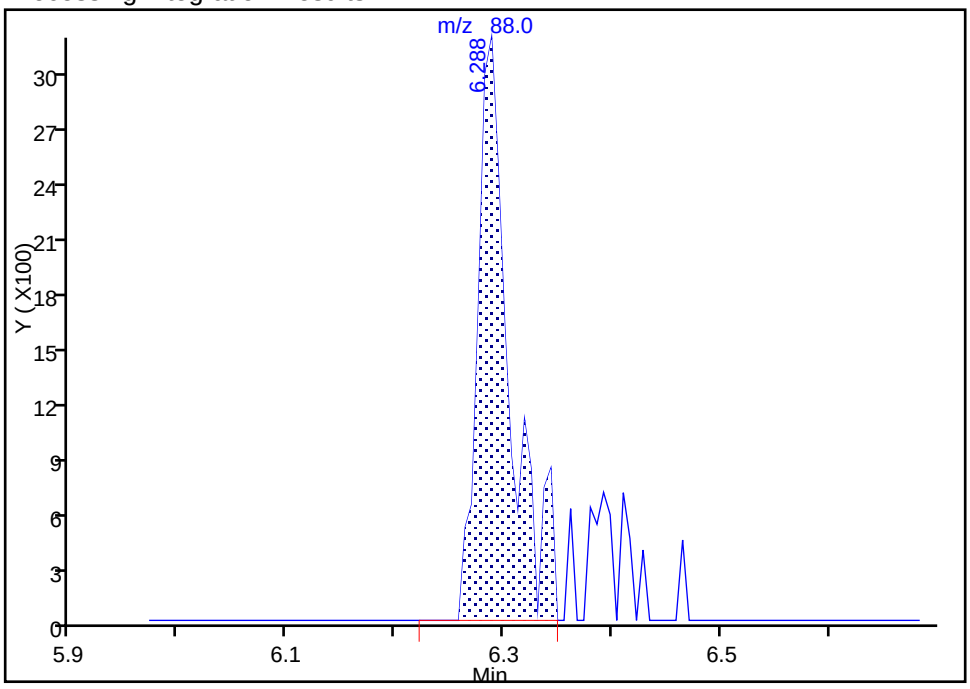
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Injection Date: 05-Nov-2017 20:52:30 Instrument ID: HP5973S
Lims ID: IC 3
Client ID:
Operator ID: AS/AM ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

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

Signal: 1

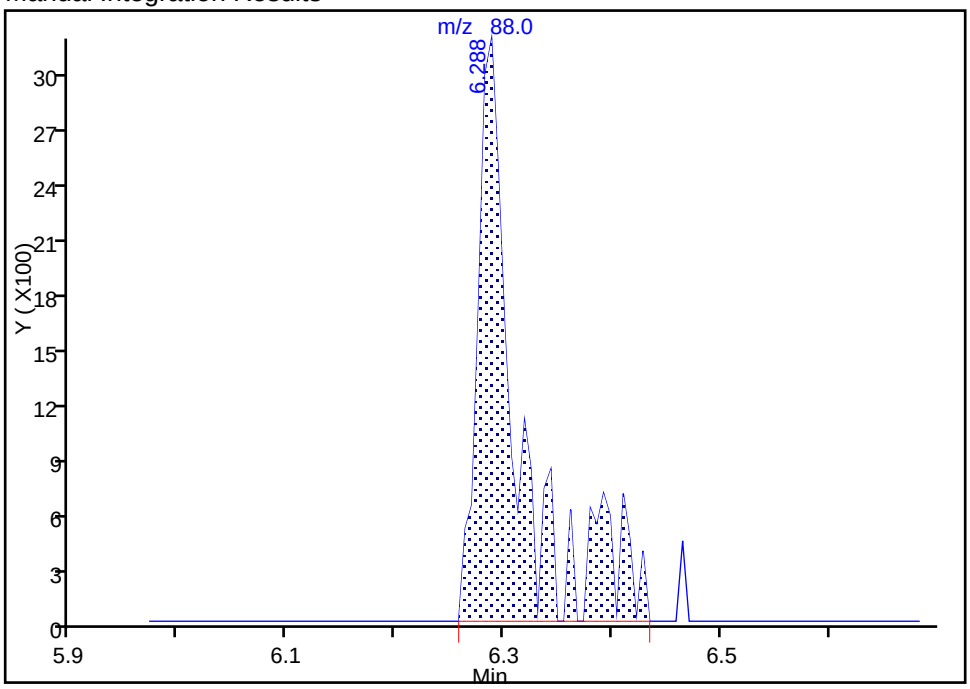
Processing Integration Results

RT: 6.29
Area: 6513
Amount: 86.328433
Amount Units: ug/L



Manual Integration Results

RT: 6.29
Area: 8159
Amount: 98.442145
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 12:07:01
Audit Action: Manually Integrated Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3873.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 05-Nov-2017 21:15:30 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 4
Misc. Info.: 480-0067029-012
Operator ID: AS/AM Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Nov-2017 14:29:52 Calib Date: 06-Nov-2017 02:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3887.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK039

First Level Reviewer: moffata Date: 06-Nov-2017 11:34:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.552	5.552	0.000	98	137705	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.551	8.552	-0.001	85	279083	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.924	10.924	0.000	86	276852	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.956	4.956	0.000	82	173448	25.0	24.9	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.272	5.272	0.000	0	112493	25.0	24.8	
$ 5 Toluene-d8 (Surr)	98	7.067	7.067	0.000	92	698243	25.0	24.7	
$ 6 4-Bromofluorobenzene (Surr	174	9.793	9.793	0.000	88	236278	25.0	25.1	
10 Dichlorodifluoromethane	85	1.306	1.306	0.000	96	52532	10.0	9.58	
12 Chloromethane	50	1.482	1.482	0.000	88	82413	10.0	9.40	
13 Vinyl chloride	62	1.580	1.580	0.000	89	68514	10.0	9.21	
151 Butadiene	54	1.598	1.598	0.000	62	74073	10.0	10.2	
14 Bromomethane	94	1.908	1.890	0.018	84	44819	10.0	9.74	
15 Chloroethane	64	1.999	2.012	-0.013	90	45187	10.0	9.95	
16 Dichlorofluoromethane	67	2.225	2.231	-0.006	92	104848	10.0	10.2	
17 Trichlorofluoromethane	101	2.231	2.225	0.006	90	75376	10.0	8.62	M
18 Ethyl ether	59	2.535	2.535	0.000	89	66928	10.0	9.81	
20 Acrolein	56	2.711	2.711	0.000	92	68283	50.0	44.1	
21 1,1,2-Trichloro-1,2,2-trif	101	2.742	2.748	-0.006	79	48959	10.0	9.97	M
22 1,1-Dichloroethene	96	2.760	2.760	0.000	90	59278	10.0	9.23	
23 Acetone	43	2.876	2.876	0.000	97	117039	50.0	41.7	M
25 Iodomethane	142	2.924	2.930	-0.006	97	87780	10.0	8.68	
26 Carbon disulfide	76	2.961	2.961	0.000	99	192501	10.0	10.1	
28 3-Chloro-1-propene	41	3.131	3.131	0.000	86	119674	10.0	9.36	
27 Methyl acetate	43	3.180	3.186	-0.006	98	129878	20.0	17.8	
30 Methylene Chloride	84	3.283	3.283	0.000	95	67297	10.0	9.57	
31 2-Methyl-2-propanol	59	3.441	3.447	-0.006	97	88097	100.0	86.0	
32 Methyl tert-butyl ether	73	3.496	3.496	0.000	89	205473	10.0	9.61	
34 trans-1,2-Dichloroethene	96	3.508	3.508	0.000	85	64035	10.0	9.66	
33 Acrylonitrile	53	3.557	3.557	0.000	98	317979	100.0	93.6	
35 Hexane	57	3.715	3.715	0.000	92	113958	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
39 1,1-Dichloroethane	63	3.934	3.934	0.000	97	123444	10.0	10.1	
37 Vinyl acetate	43	3.989	3.989	0.000	97	338623	20.0	19.4	
44 2,2-Dichloropropane	77	4.463	4.457	0.006	92	85362	10.0	10.2	
45 cis-1,2-Dichloroethene	96	4.494	4.488	0.006	81	75145	10.0	10.0	
43 2-Butanone (MEK)	43	4.530	4.530	0.000	93	201072	50.0	45.9	
48 Chlorobromomethane	128	4.731	4.725	0.006	89	34918	10.0	9.46	
49 Tetrahydrofuran	42	4.761	4.768	-0.007	89	54362	20.0	17.3	
50 Chloroform	83	4.804	4.798	0.006	86	110586	10.0	9.81	
51 1,1,1-Trichloroethane	97	4.926	4.926	0.000	96	97123	10.0	10.3	
52 Cyclohexane	56	4.938	4.932	0.006	93	129833	10.0	11.1	M
55 Carbon tetrachloride	117	5.066	5.066	0.000	86	87974	10.0	10.1	
54 1,1-Dichloropropene	75	5.078	5.078	0.000	89	89702	10.0	10.2	
57 Benzene	78	5.279	5.279	0.000	92	265455	10.0	9.92	
53 Isobutyl alcohol	43	5.279	5.285	-0.006	57	114545	250.0	219.8	
58 1,2-Dichloroethane	62	5.345	5.345	0.000	70	98294	10.0	9.42	
59 n-Heptane	43	5.467	5.473	-0.006	96	126661	10.0	10.4	
62 Trichloroethene	95	5.893	5.893	0.000	95	69630	10.0	10.3	
64 Methylcyclohexane	83	6.021	6.021	0.000	95	108221	10.0	10.4	
65 1,2-Dichloropropane	63	6.130	6.130	0.000	89	69736	10.0	9.44	
67 Dibromomethane	93	6.264	6.270	-0.006	82	41982	10.0	9.86	
66 1,4-Dioxane	88	6.282	6.288	-0.006	39	18653	200.0	196.1	M
68 Dichlorobromomethane	83	6.416	6.422	-0.006	88	84039	10.0	9.59	
69 2-Chloroethyl vinyl ether	63	6.702	6.702	0.000	88	49321	10.0	9.25	
72 cis-1,3-Dichloropropene	75	6.836	6.842	-0.006	83	105858	10.0	9.85	
73 4-Methyl-2-pentanone (MIBK	43	6.982	6.982	0.000	98	452888	50.0	48.1	
74 Toluene	92	7.128	7.134	-0.006	93	173579	10.0	9.97	
77 trans-1,3-Dichloropropene	75	7.402	7.402	0.000	97	94611	10.0	9.43	
75 Ethyl methacrylate	69	7.450	7.450	0.000	74	95759	10.0	9.51	
79 1,1,2-Trichloroethane	83	7.590	7.596	-0.006	91	47241	10.0	9.54	
81 Tetrachloroethene	166	7.669	7.669	0.000	88	79738	10.0	10.3	
82 1,3-Dichloropropane	76	7.755	7.755	0.000	95	107083	10.0	9.78	
80 2-Hexanone	43	7.821	7.822	-0.001	95	325072	50.0	48.6	
83 Chlorodibromomethane	129	7.992	7.992	0.000	89	62788	10.0	9.39	
84 Ethylene Dibromide	107	8.101	8.101	0.000	94	61091	10.0	9.55	
87 Chlorobenzene	112	8.582	8.582	0.000	94	193490	10.0	9.86	
88 Ethylbenzene	91	8.673	8.673	0.000	36	321362	10.0	9.74	
89 1,1,1,2-Tetrachloroethane	131	8.673	8.679	-0.006	45	67542	10.0	9.58	
90 m-Xylene & p-Xylene	106	8.795	8.795	0.000	0	126071	10.0	10.0	
91 o-Xylene	106	9.221	9.221	0.000	98	122830	10.0	9.95	
92 Styrene	104	9.251	9.251	0.000	92	200002	10.0	9.63	
95 Bromoform	173	9.494	9.488	0.006	92	43681	10.0	10.2	
94 Isopropylbenzene	105	9.604	9.604	0.000	96	321778	10.0	10.2	
101 Bromobenzene	156	9.945	9.945	0.000	94	81563	10.0	9.70	
97 1,1,2,2-Tetrachloroethane	83	9.987	9.987	0.000	86	76828	10.0	9.47	
99 N-Propylbenzene	91	10.024	10.024	0.000	97	375062	10.0	10.1	
100 1,2,3-Trichloropropane	110	10.024	10.018	0.006	42	26222	10.0	9.43	
98 trans-1,4-Dichloro-2-buten	53	10.036	10.042	-0.006	37	22048	10.0	10.5	
103 2-Chlorotoluene	126	10.127	10.127	0.000	96	76972	10.0	9.62	
102 1,3,5-Trimethylbenzene	105	10.200	10.200	0.000	86	276002	10.0	10.2	
105 4-Chlorotoluene	126	10.237	10.237	0.000	98	81765	10.0	10.2	
106 tert-Butylbenzene	134	10.516	10.517	-0.001	91	63916	10.0	10.0	
107 1,2,4-Trimethylbenzene	105	10.571	10.571	0.000	31	279590	10.0	10.1	

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	10.723	10.723	0.000	93	342424	10.0	10.2	
111 1,3-Dichlorobenzene	146	10.857	10.857	0.000	77	157497	10.0	9.82	
110 4-Isopropyltoluene	119	10.863	10.863	0.000	97	309302	10.0	10.3	
113 1,4-Dichlorobenzene	146	10.942	10.942	0.000	81	160290	10.0	9.71	
115 n-Butylbenzene	91	11.247	11.247	-0.001	94	270141	10.0	10.3	
116 1,2-Dichlorobenzene	146	11.295	11.295	0.000	92	155571	10.0	10.2	
117 1,2-Dibromo-3-Chloropropan	75	12.019	12.019	0.000	71	17495	10.0	9.38	
119 1,2,4-Trichlorobenzene	180	12.694	12.694	0.000	90	112224	10.0	10.2	
120 Hexachlorobutadiene	225	12.810	12.804	0.006	90	55203	10.0	10.5	
121 Naphthalene	128	12.907	12.907	0.000	96	276327	10.0	9.64	
122 1,2,3-Trichlorobenzene	180	13.108	13.108	0.000	94	104944	10.0	9.91	
S 123 Total BTEX	1				0			49.6	
S 124 Xylenes, Total	1				0			19.9	
S 125 1,2-Dichloroethene, Total	1				0			19.7	
S 126 1,3-Dichloropropene, Total	1				0			19.3	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00114	Amount Added:	5.00	Units: uL	
GAS CORP mix_00249	Amount Added:	5.00	Units: uL	
S_8260_IS_00271	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00238	Amount Added:	1.00	Units: uL	Run Reagent

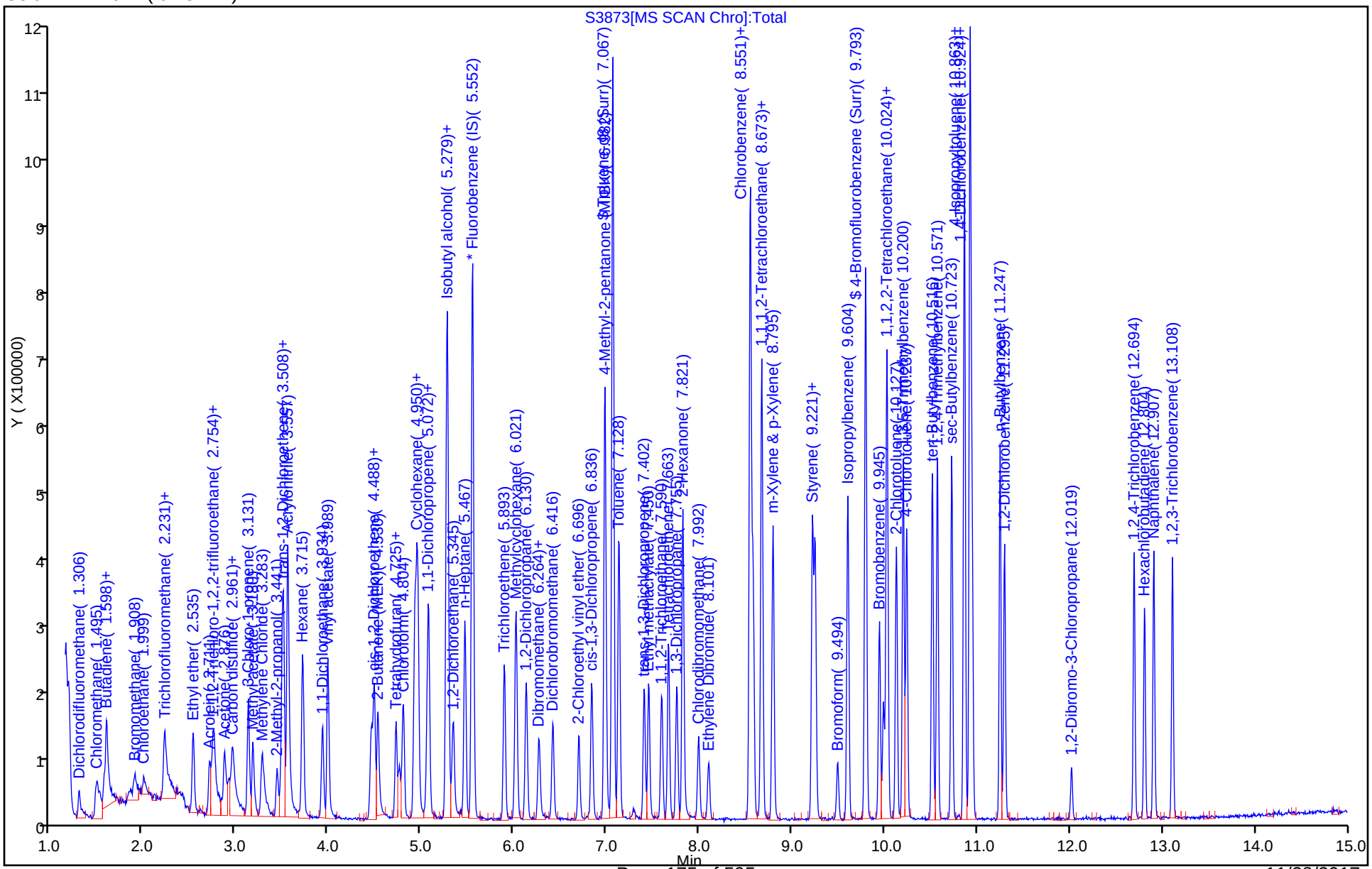
Report Date: 06-Nov-2017 14:29:52 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3873.D

Injection Date:	05-Nov-2017 21:15:30	Instrument ID:	HP5973S	Operator ID:	AS/AM
Lims ID:	IC 4			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

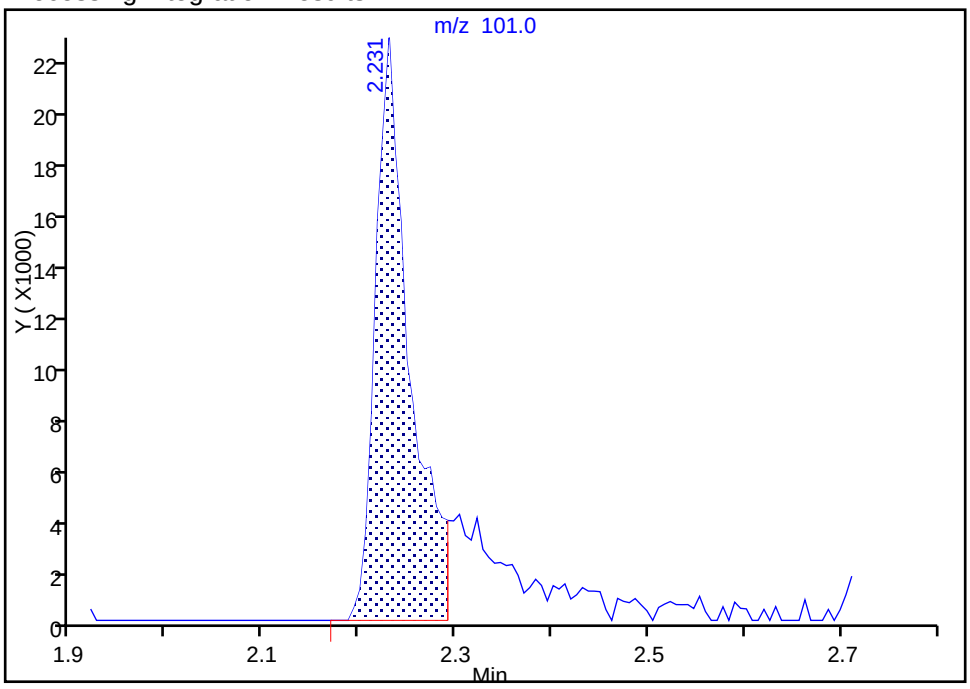
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Injection Date: 05-Nov-2017 21:15:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: AS/AM ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

17 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

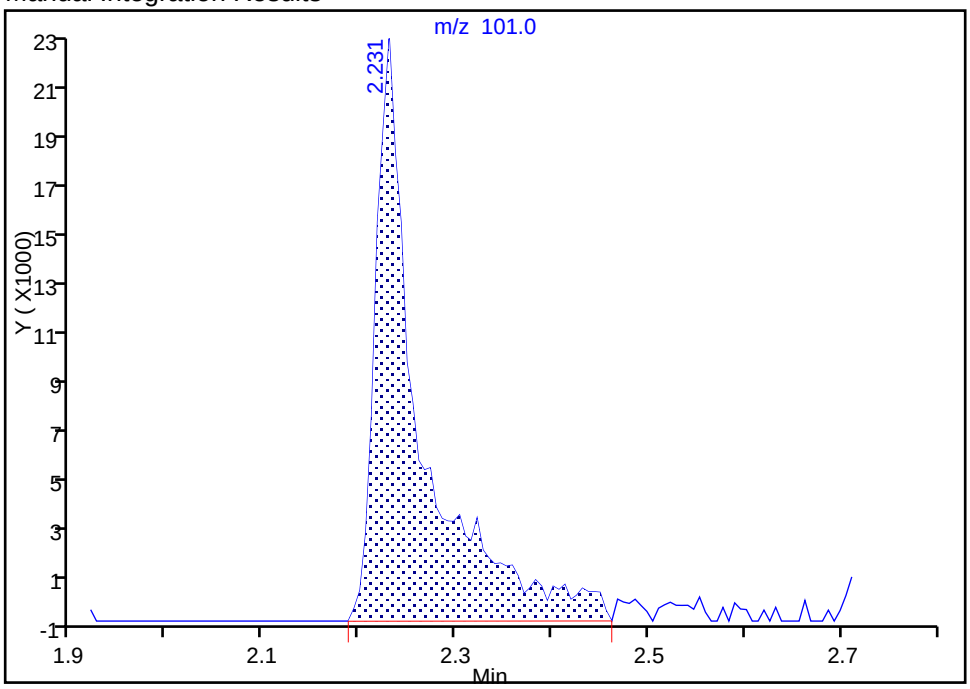
Processing Integration Results

RT: 2.23
Area: 56517
Amount: 8.140217
Amount Units: ug/L



Manual Integration Results

RT: 2.23
Area: 75376
Amount: 8.623651
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 11:34:45
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

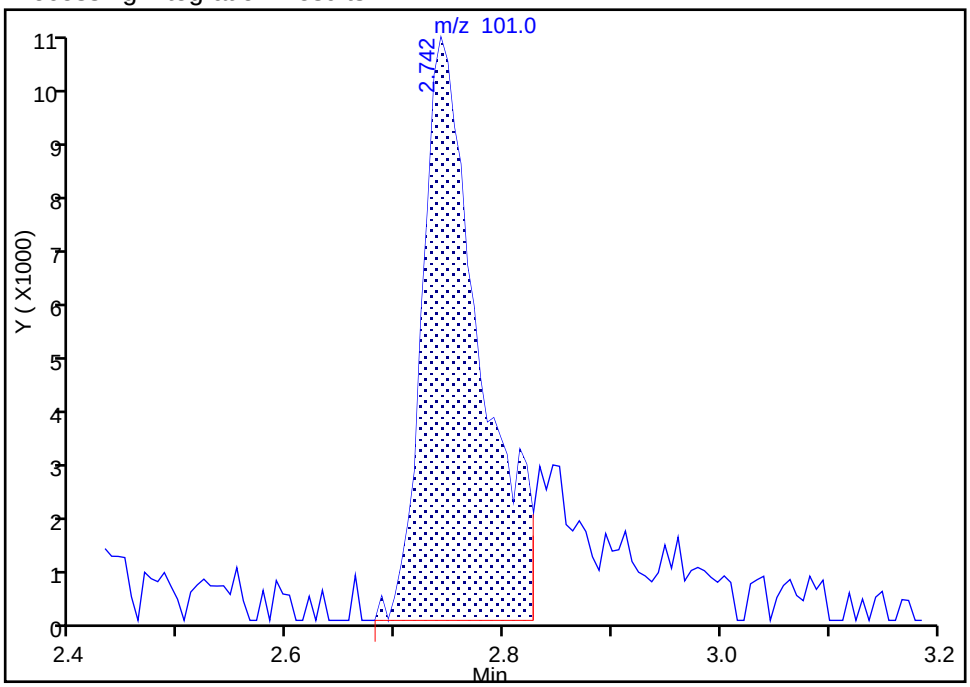
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Injection Date: 05-Nov-2017 21:15:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: AS/AM ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

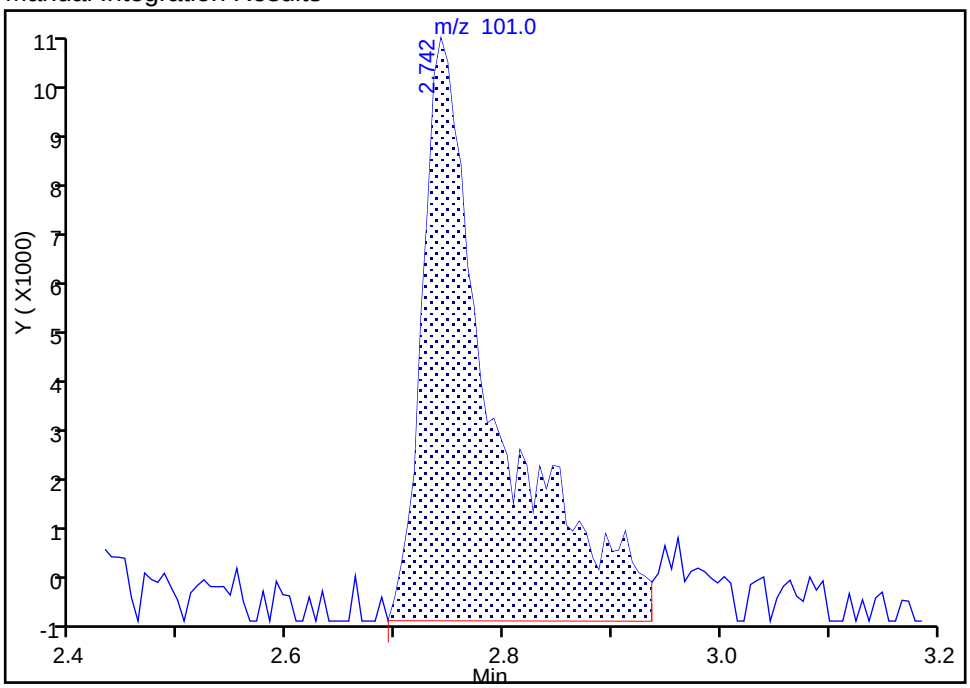
Processing Integration Results

RT: 2.74
Area: 38746
Amount: 9.342061
Amount Units: ug/L



Manual Integration Results

RT: 2.74
Area: 48959
Amount: 9.970335
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 11:38:52
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

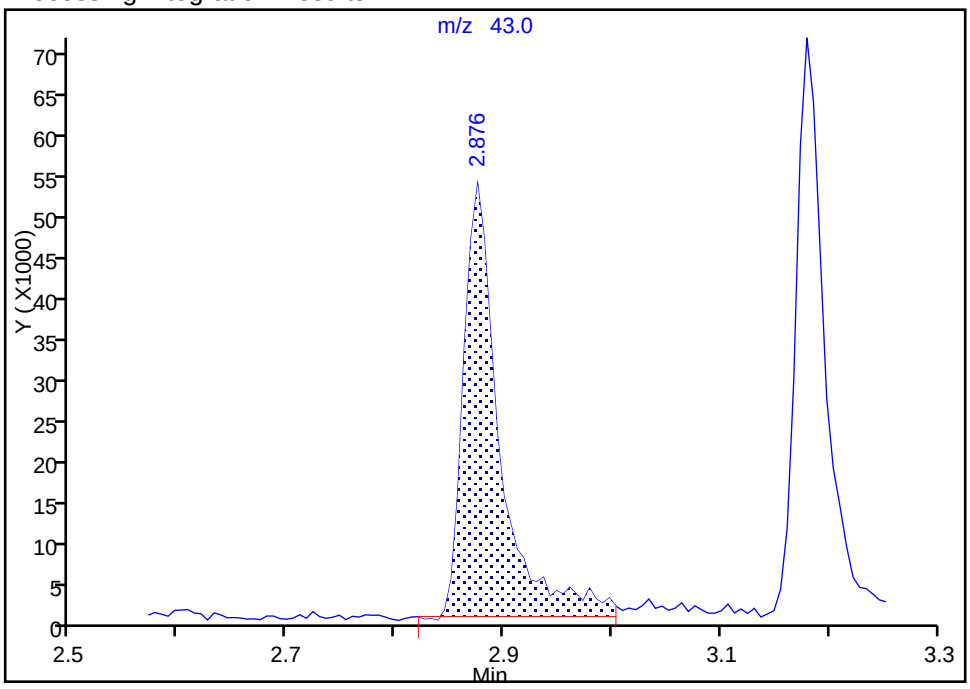
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Injection Date: 05-Nov-2017 21:15:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: AS/AM ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

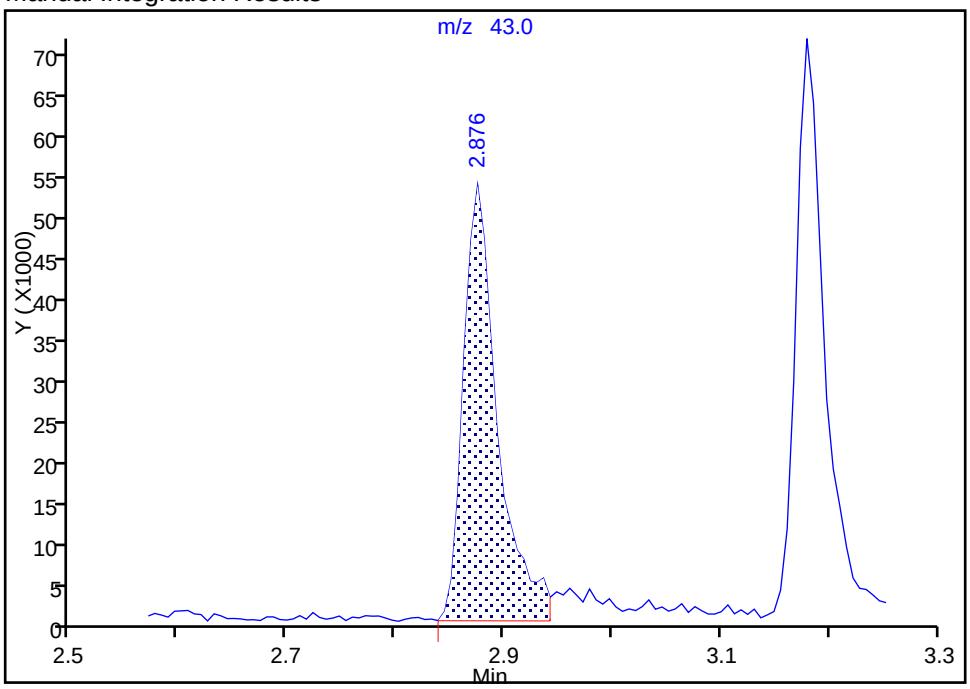
Processing Integration Results

RT: 2.88
Area: 123259
Amount: 40.847536
Amount Units: ug/L



Manual Integration Results

RT: 2.88
Area: 117039
Amount: 41.662967
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 11:57:54
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

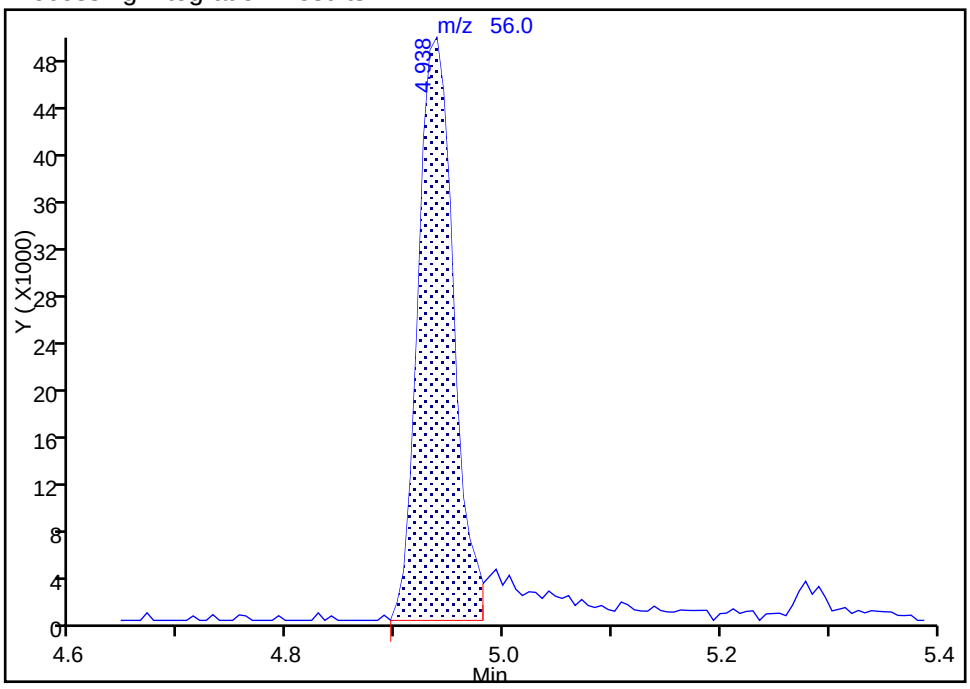
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3873.D
Injection Date: 05-Nov-2017 21:15:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: AS/AM ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

52 Cyclohexane, CAS: 110-82-7

Signal: 1

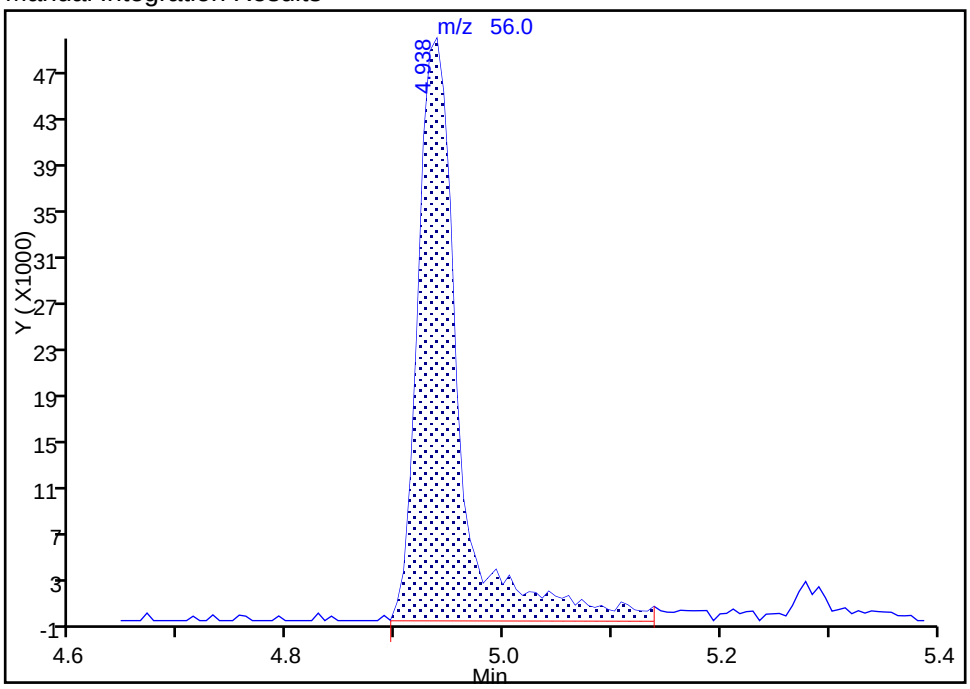
Processing Integration Results

RT: 4.94
Area: 111325
Amount: 9.921994
Amount Units: ug/L



Manual Integration Results

RT: 4.94
Area: 129833
Amount: 11.082933
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 12:10:47
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

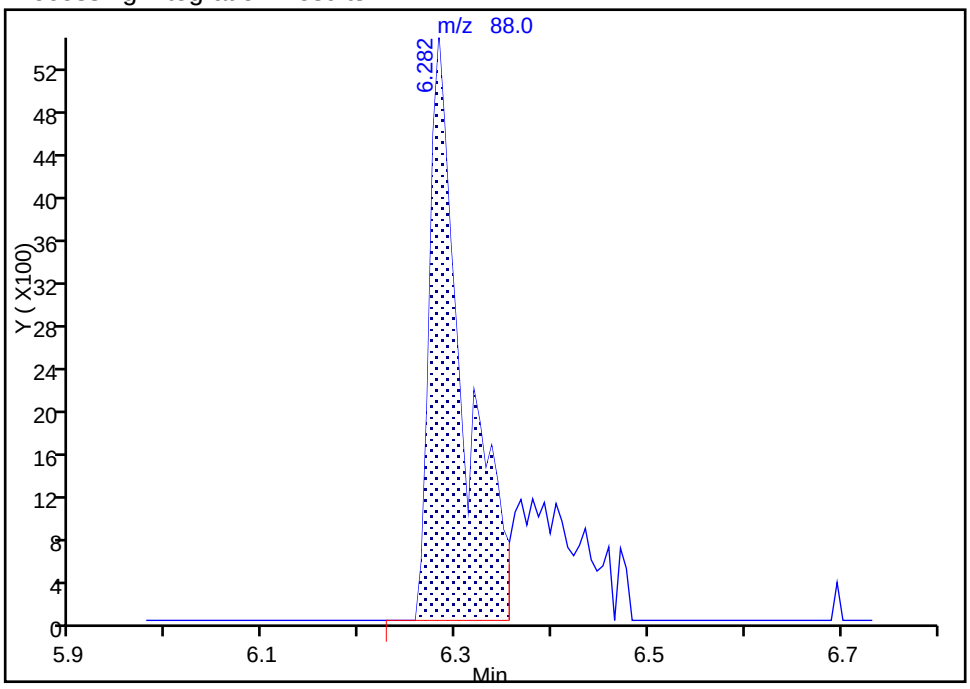
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3873.D
Injection Date: 05-Nov-2017 21:15:30 Instrument ID: HP5973S
Lims ID: IC 4
Client ID:
Operator ID: AS/AM ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

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

Signal: 1

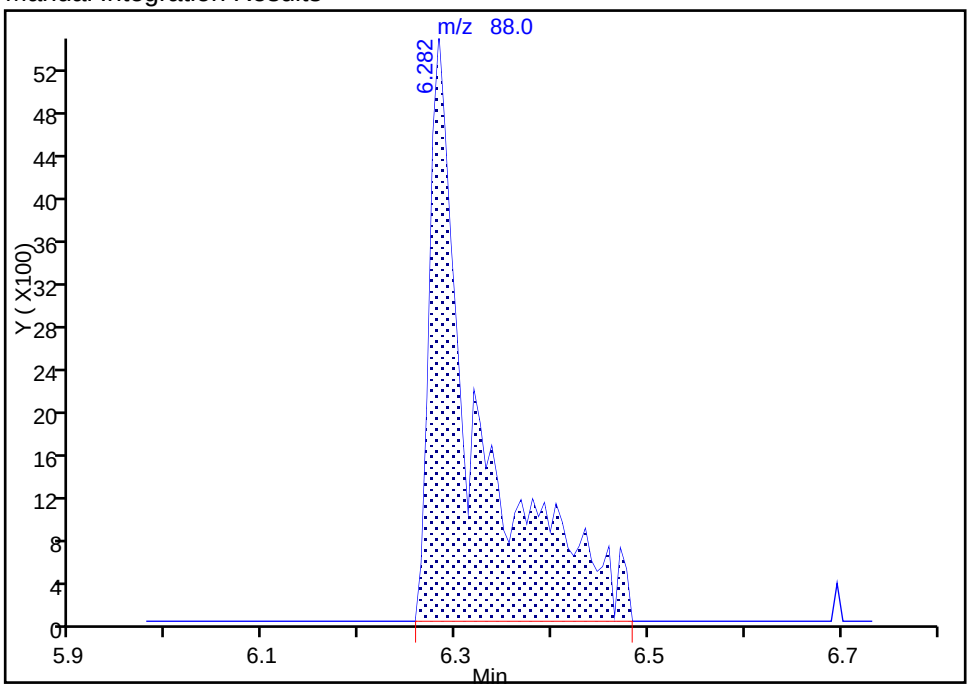
Processing Integration Results

RT: 6.28
Area: 13100
Amount: 153.3398
Amount Units: ug/L



Manual Integration Results

RT: 6.28
Area: 18653
Amount: 196.0865
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 12:06:11
Audit Action: Manually Integrated Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3874.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 05-Nov-2017 21:38:30 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 5
Misc. Info.: 480-0067029-013
Operator ID: AS/AM Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Nov-2017 14:29:54 Calib Date: 06-Nov-2017 02:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3887.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK039

First Level Reviewer: HillL Date: 06-Nov-2017 09:44:07

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	5.552	5.552	0.000	98	138518	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.552	8.552	0.000	85	276575	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.924	10.924	0.000	52	281565	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.956	4.956	0.000	81	172003	25.0	24.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.273	5.273	0.000	0	115116	25.0	25.2	
$ 5 Toluene-d8 (Surr)	98	7.067	7.067	0.000	91	702037	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr	174	9.793	9.793	0.000	88	233945	25.0	25.1	
10 Dichlorodifluoromethane	85	1.300	1.300	0.000	97	146858	25.0	25.3	
12 Chloromethane	50	1.489	1.489	0.000	99	229477	25.0	26.0	
13 Vinyl chloride	62	1.580	1.580	0.000	85	187633	25.0	24.0	
151 Butadiene	54	1.604	1.604	0.000	87	197650	25.0	27.0	
14 Bromomethane	94	1.908	1.908	0.000	90	120121	25.0	26.0	
15 Chloroethane	64	2.006	2.006	0.000	96	123601	25.0	27.1	
17 Trichlorofluoromethane	101	2.231	2.231	0.000	89	231649	25.0	24.7	
16 Dichlorofluoromethane	67	2.225	2.225	0.000	95	268545	25.0	26.0	
18 Ethyl ether	59	2.535	2.535	0.000	95	183362	25.0	26.7	
20 Acrolein	56	2.711	2.711	0.000	90	181196	125.0	116.3	
21 1,1,2-Trichloro-1,2,2-trif	101	2.742	2.742	0.000	90	132138	25.0	25.9	
22 1,1-Dichloroethene	96	2.760	2.760	0.000	91	159247	25.0	24.1	
23 Acetone	43	2.876	2.876	0.000	99	327006	125.0	115.7	
25 Iodomethane	142	2.924	2.924	0.000	96	254617	25.0	23.6	
26 Carbon disulfide	76	2.967	2.967	0.000	99	529901	25.0	27.6	
28 3-Chloro-1-propene	41	3.131	3.131	0.000	85	336655	25.0	26.2	
27 Methyl acetate	43	3.180	3.180	0.000	97	362296	50.0	49.3	
30 Methylene Chloride	84	3.283	3.283	0.000	97	178343	25.0	25.2	
31 2-Methyl-2-propanol	59	3.441	3.441	0.000	97	257578	250.0	249.9	
32 Methyl tert-butyl ether	73	3.496	3.496	0.000	90	560429	25.0	26.1	
34 trans-1,2-Dichloroethene	96	3.514	3.514	0.000	95	180848	25.0	27.1	
33 Acrylonitrile	53	3.557	3.557	0.000	98	904882	250.0	264.9	
35 Hexane	57	3.721	3.721	0.000	94	298093	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
39 1,1-Dichloroethane	63	3.934	3.934	0.000	96	337554	25.0	27.6	
37 Vinyl acetate	43	3.989	3.989	0.000	97	973456	50.0	55.6	
44 2,2-Dichloropropane	77	4.457	4.457	0.000	92	231223	25.0	27.3	
45 cis-1,2-Dichloroethene	96	4.488	4.488	0.000	84	200480	25.0	26.6	
43 2-Butanone (MEK)	43	4.524	4.524	0.000	93	563214	125.0	127.7	
48 Chlorobromomethane	128	4.725	4.725	0.000	89	94028	25.0	25.3	
49 Tetrahydrofuran	42	4.755	4.755	0.000	89	151808	50.0	48.0	
50 Chloroform	83	4.804	4.804	0.000	95	302324	25.0	26.7	
51 1,1,1-Trichloroethane	97	4.926	4.926	0.000	96	261957	25.0	27.7	
52 Cyclohexane	56	4.938	4.938	0.000	94	324748	25.0	27.6	
55 Carbon tetrachloride	117	5.066	5.066	0.000	91	241807	25.0	27.7	
54 1,1-Dichloropropene	75	5.078	5.078	0.000	91	248036	25.0	28.0	
57 Benzene	78	5.279	5.279	0.000	96	718070	25.0	26.7	
53 Isobutyl alcohol	43	5.279	5.279	0.000	60	340464	625.0	649.5	
58 1,2-Dichloroethane	62	5.339	5.339	0.000	85	266801	25.0	25.4	
59 n-Heptane	43	5.467	5.467	0.000	97	343874	25.0	28.2	
62 Trichloroethene	95	5.893	5.893	0.000	96	187994	25.0	27.8	
64 Methylcyclohexane	83	6.021	6.021	0.000	94	297920	25.0	28.5	
65 1,2-Dichloropropane	63	6.130	6.130	0.000	91	196891	25.0	26.5	
67 Dibromomethane	93	6.264	6.264	0.000	90	112991	25.0	26.4	
66 1,4-Dioxane	88	6.282	6.282	0.000	47	48985	500.0	486.9	
68 Dichlorobromomethane	83	6.416	6.416	0.000	98	234645	25.0	26.6	
69 2-Chloroethyl vinyl ether	63	6.696	6.696	0.000	92	145191	25.0	27.1	
72 cis-1,3-Dichloropropene	75	6.836	6.836	0.000	87	288980	25.0	26.7	
73 4-Methyl-2-pentanone (MIBK	43	6.982	6.982	0.000	98	1225859	125.0	131.3	
74 Toluene	92	7.134	7.134	0.000	94	473313	25.0	27.4	
77 trans-1,3-Dichloropropene	75	7.402	7.402	0.000	98	280459	25.0	28.2	
75 Ethyl methacrylate	69	7.450	7.450	0.000	74	262107	25.0	26.3	
79 1,1,2-Trichloroethane	83	7.590	7.590	0.000	95	131257	25.0	26.7	
81 Tetrachloroethene	166	7.669	7.669	0.000	93	212329	25.0	27.7	
82 1,3-Dichloropropane	76	7.755	7.755	0.000	96	287436	25.0	26.5	
80 2-Hexanone	43	7.822	7.822	0.000	95	879018	125.0	132.6	
83 Chlorodibromomethane	129	7.992	7.992	0.000	87	185955	25.0	28.1	
84 Ethylene Dibromide	107	8.101	8.101	0.000	98	169682	25.0	26.8	
87 Chlorobenzene	112	8.582	8.582	0.000	93	535831	25.0	27.6	
88 Ethylbenzene	91	8.673	8.673	0.000	36	881074	25.0	26.9	
89 1,1,1,2-Tetrachloroethane	131	8.673	8.673	0.000	45	196148	25.0	28.1	
90 m-Xylene & p-Xylene	106	8.795	8.795	0.000	0	344945	25.0	27.6	
91 o-Xylene	106	9.221	9.221	0.000	98	336287	25.0	27.5	
92 Styrene	104	9.251	9.251	0.000	94	581132	25.0	28.2	
95 Bromoform	173	9.495	9.495	0.000	95	128152	25.0	30.2	
94 Isopropylbenzene	105	9.604	9.604	0.000	96	876253	25.0	27.2	
101 Bromobenzene	156	9.945	9.945	0.000	94	227750	25.0	26.6	
97 1,1,2,2-Tetrachloroethane	83	9.987	9.987	0.000	87	217976	25.0	26.4	
100 1,2,3-Trichloropropane	110	10.024	10.024	0.000	50	70831	25.0	25.1	
99 N-Propylbenzene	91	10.024	10.024	0.000	98	1049652	25.0	27.8	
98 trans-1,4-Dichloro-2-buten	53	10.036	10.036	0.000	37	67321	25.0	31.5	
103 2-Chlorotoluene	126	10.127	10.127	0.000	96	212909	25.0	26.2	
102 1,3,5-Trimethylbenzene	105	10.200	10.200	0.000	86	737120	25.0	26.9	
105 4-Chlorotoluene	126	10.237	10.237	0.000	97	227749	25.0	27.8	
106 tert-Butylbenzene	134	10.517	10.517	0.000	91	180613	25.0	27.9	
107 1,2,4-Trimethylbenzene	105	10.571	10.571	0.000	32	774765	25.0	27.4	

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	10.723	10.723	0.000	94	940967	25.0	27.6	
111 1,3-Dichlorobenzene	146	10.857	10.857	0.000	77	438315	25.0	26.9	
110 4-Isopropyltoluene	119	10.863	10.863	0.000	96	839452	25.0	27.5	
113 1,4-Dichlorobenzene	146	10.942	10.942	0.000	93	450639	25.0	26.8	
115 n-Butylbenzene	91	11.247	11.247	0.000	95	739196	25.0	27.7	
116 1,2-Dichlorobenzene	146	11.295	11.295	0.000	91	417359	25.0	26.8	
117 1,2-Dibromo-3-Chloropropan	75	12.019	12.019	0.000	77	46747	25.0	24.6	
119 1,2,4-Trichlorobenzene	180	12.694	12.694	0.000	95	304196	25.0	27.3	
120 Hexachlorobutadiene	225	12.804	12.804	0.000	97	143490	25.0	27.0	
121 Naphthalene	128	12.907	12.907	0.000	97	796009	25.0	27.3	
122 1,2,3-Trichlorobenzene	180	13.108	13.108	0.000	97	287522	25.0	26.7	

Reagents:

8260 CORP mix_00114	Amount Added: 12.50	Units: uL	
GAS CORP mix_00249	Amount Added: 12.50	Units: uL	
S_8260_IS_00271	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00238	Amount Added: 1.00	Units: uL	Run Reagent

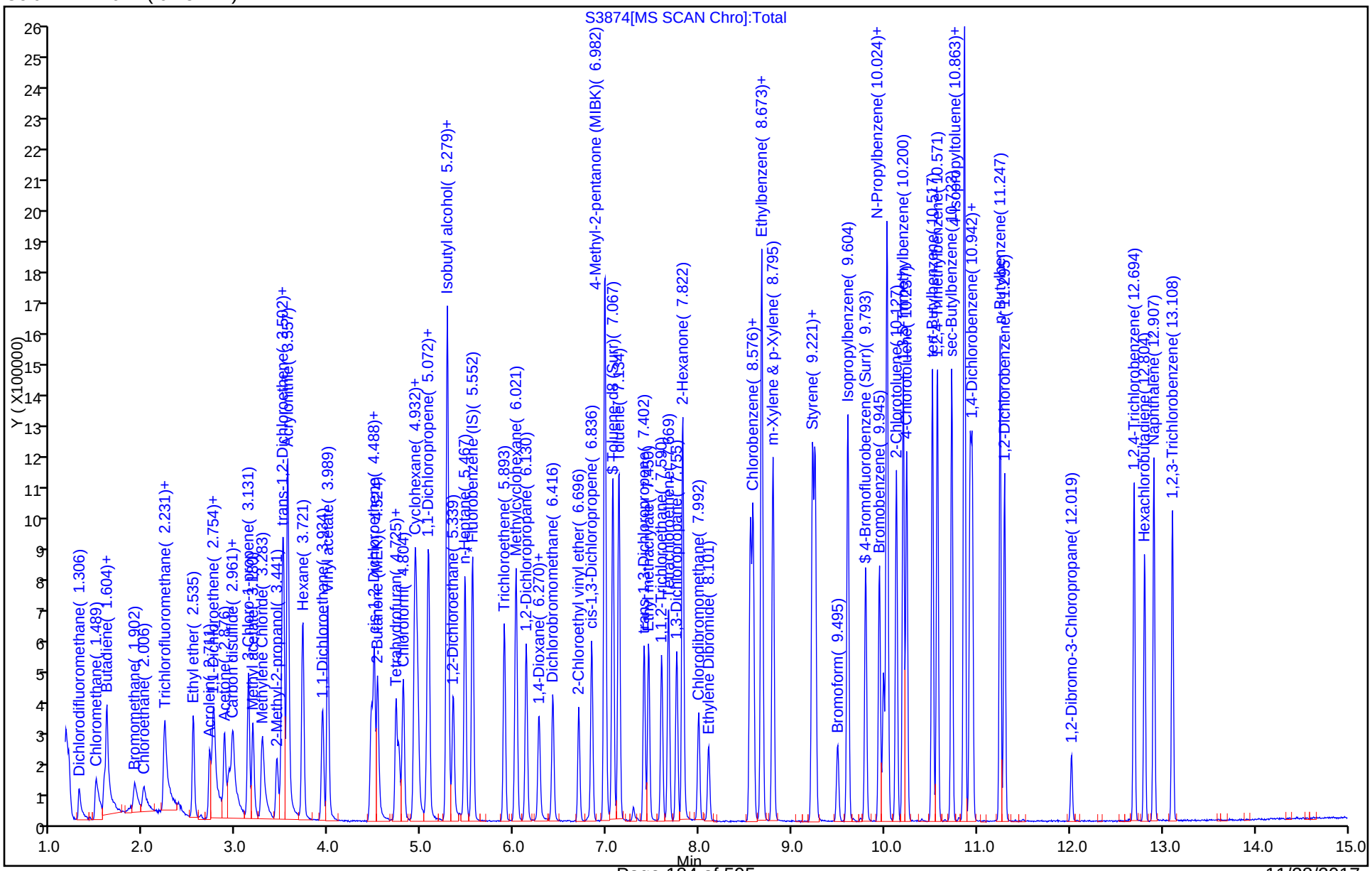
Report Date: 06-Nov-2017 14:29:55 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3874.D

Injection Date:	05-Nov-2017 21:38:30	Instrument ID:	HP5973S	Operator ID:	AS/AM
Lims ID:	ICIS 5			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3875.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 05-Nov-2017 22:01:30 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0067029-014
Operator ID: AS/AM Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Nov-2017 14:29:57 Calib Date: 06-Nov-2017 02:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3887.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK039

First Level Reviewer: moffata Date: 06-Nov-2017 11:38:08

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	5.546	5.552	-0.006	97	135606	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.552	8.552	0.000	87	276861	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.924	10.924	0.000	46	272523	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.962	4.956	0.006	81	176903	25.0	25.8	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.266	5.273	-0.007	0	114019	25.0	25.5	
$ 5 Toluene-d8 (Surr)	98	7.067	7.067	0.000	92	701757	25.0	25.0	
$ 6 4-Bromofluorobenzene (Surr	174	9.799	9.793	0.006	92	235609	25.0	25.2	
10 Dichlorodifluoromethane	85	1.300	1.300	0.000	98	299643	50.0	51.9	
12 Chloromethane	50	1.489	1.489	0.000	100	476764	50.0	55.2	
13 Vinyl chloride	62	1.574	1.580	-0.006	95	394780	50.0	50.9	
151 Butadiene	54	1.604	1.604	0.000	67	414255	50.0	57.7	
14 Bromomethane	94	1.902	1.908	-0.006	92	235081	50.0	51.9	
15 Chloroethane	64	2.000	2.006	-0.006	100	262174	50.0	58.6	
17 Trichlorofluoromethane	101	2.231	2.231	0.000	91	488928	50.0	52.5	
16 Dichlorofluoromethane	67	2.225	2.225	0.000	96	525639	50.0	51.9	
18 Ethyl ether	59	2.535	2.535	0.000	94	376576	50.0	56.1	
20 Acrolein	56	2.711	2.711	0.000	98	386387	250.0	253.4	
21 1,1,2-Trichloro-1,2,2-trif	101	2.742	2.742	0.000	82	262635	50.0	52.0	M
22 1,1-Dichloroethene	96	2.760	2.760	0.000	92	336677	50.0	51.7	
23 Acetone	43	2.870	2.876	-0.006	98	680303	250.0	245.9	
25 Iodomethane	142	2.924	2.924	0.000	97	528194	50.0	49.2	
26 Carbon disulfide	76	2.961	2.967	-0.006	99	1100237	50.0	58.4	
28 3-Chloro-1-propene	41	3.131	3.131	0.000	87	711310	50.0	56.5	
27 Methyl acetate	43	3.180	3.180	0.000	96	760545	100.0	105.6	
30 Methylene Chloride	84	3.277	3.283	-0.006	98	369025	50.0	53.3	
31 2-Methyl-2-propanol	59	3.441	3.441	0.000	98	517037	500.0	512.3	
32 Methyl tert-butyl ether	73	3.496	3.496	0.000	89	1171363	50.0	55.6	
34 trans-1,2-Dichloroethene	96	3.508	3.514	-0.006	81	365445	50.0	56.0	
33 Acrylonitrile	53	3.551	3.557	-0.006	97	1870795	500.0	559.5	
35 Hexane	57	3.721	3.721	0.000	94	611241	50.0	57.8	

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	3.928	3.934	-0.006	97	700023	50.0	58.4	
37 Vinyl acetate	43	3.983	3.989	-0.006	97	1969400	100.0	114.8	
44 2,2-Dichloropropane	77	4.457	4.457	0.000	94	465252	50.0	56.2	
45 cis-1,2-Dichloroethene	96	4.488	4.488	0.000	84	407401	50.0	55.2	
43 2-Butanone (MEK)	43	4.524	4.524	0.000	93	1190075	250.0	275.6	
48 Chlorobromomethane	128	4.725	4.725	0.000	96	201275	50.0	55.3	
49 Tetrahydrofuran	42	4.749	4.755	-0.006	90	312213	100.0	100.8	
50 Chloroform	83	4.804	4.804	0.000	85	619818	50.0	55.8	
51 1,1,1-Trichloroethane	97	4.926	4.926	0.000	95	536329	50.0	58.0	
52 Cyclohexane	56	4.938	4.938	0.000	94	704440	50.0	61.1	
55 Carbon tetrachloride	117	5.066	5.066	0.000	91	496539	50.0	58.1	
54 1,1-Dichloropropene	75	5.078	5.078	0.000	91	507964	50.0	58.6	
57 Benzene	78	5.279	5.279	0.000	97	1479370	50.0	56.1	
53 Isobutyl alcohol	43	5.279	5.279	0.000	60	669295	1250.0	1304.3	
58 1,2-Dichloroethane	62	5.339	5.339	0.000	78	553503	50.0	53.9	
59 n-Heptane	43	5.467	5.467	0.000	97	694815	50.0	58.1	
62 Trichloroethene	95	5.893	5.893	0.000	97	390446	50.0	58.9	
64 Methylcyclohexane	83	6.021	6.021	0.000	95	633191	50.0	61.8	
65 1,2-Dichloropropane	63	6.130	6.130	0.000	92	400301	50.0	55.0	
67 Dibromomethane	93	6.270	6.264	0.006	90	234545	50.0	55.9	
66 1,4-Dioxane	88	6.276	6.282	-0.006	41	99432	1000.0	967.0	
68 Dichlorobromomethane	83	6.416	6.416	0.000	98	502198	50.0	58.2	
69 2-Chloroethyl vinyl ether	63	6.696	6.696	0.000	93	298900	50.0	56.9	
72 cis-1,3-Dichloropropene	75	6.836	6.836	0.000	88	615389	50.0	58.1	
73 4-Methyl-2-pentanone (MIBK	43	6.976	6.982	-0.006	98	2487204	250.0	266.2	
74 Toluene	92	7.128	7.134	-0.006	97	985030	50.0	57.0	
77 trans-1,3-Dichloropropene	75	7.402	7.402	0.000	98	587363	50.0	59.0	
75 Ethyl methacrylate	69	7.450	7.450	0.000	74	547632	50.0	54.8	
79 1,1,2-Trichloroethane	83	7.590	7.590	0.000	94	270206	50.0	55.0	
81 Tetrachloroethene	166	7.669	7.669	0.000	92	435168	50.0	56.7	
82 1,3-Dichloropropane	76	7.755	7.755	0.000	97	594381	50.0	54.7	
80 2-Hexanone	43	7.822	7.822	0.000	96	1808330	250.0	272.6	
83 Chlorodibromomethane	129	7.992	7.992	0.000	90	390423	50.0	58.9	
84 Ethylene Dibromide	107	8.095	8.101	-0.006	96	356328	50.0	56.1	
87 Chlorobenzene	112	8.582	8.582	0.000	94	1088618	50.0	55.9	
88 Ethylbenzene	91	8.673	8.673	0.000	47	1829567	50.0	55.9	
89 1,1,1,2-Tetrachloroethane	131	8.673	8.673	0.000	45	398041	50.0	56.9	
90 m-Xylene & p-Xylene	106	8.795	8.795	0.000	0	709599	50.0	56.7	
91 o-Xylene	106	9.221	9.221	0.000	97	698349	50.0	57.0	
92 Styrene	104	9.251	9.251	0.000	93	1201522	50.0	58.3	
95 Bromoform	173	9.488	9.495	-0.007	97	264962	50.0	62.4	
94 Isopropylbenzene	105	9.604	9.604	0.000	96	1785799	50.0	57.4	
101 Bromobenzene	156	9.945	9.945	0.000	94	471676	50.0	57.0	
97 1,1,2,2-Tetrachloroethane	83	9.987	9.987	0.000	87	443665	50.0	55.6	
100 1,2,3-Trichloropropane	110	10.024	10.024	0.000	51	150919	50.0	55.2	
99 N-Propylbenzene	91	10.024	10.024	0.000	96	2098021	50.0	57.4	
98 trans-1,4-Dichloro-2-buten	53	10.036	10.036	0.000	38	148983	50.0	72.1	
103 2-Chlorotoluene	126	10.127	10.127	0.000	96	442358	50.0	56.1	
102 1,3,5-Trimethylbenzene	105	10.200	10.200	0.000	85	1519079	50.0	57.3	
105 4-Chlorotoluene	126	10.237	10.237	0.000	97	457784	50.0	57.8	
106 tert-Butylbenzene	134	10.517	10.517	0.000	91	359593	50.0	57.4	
107 1,2,4-Trimethylbenzene	105	10.571	10.571	0.000	33	1549776	50.0	56.6	

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	10.723	10.723	0.000	95	1889275	50.0	57.2	
111 1,3-Dichlorobenzene	146	10.857	10.857	0.000	79	898981	50.0	57.0	
110 4-Isopropyltoluene	119	10.863	10.863	0.000	96	1710717	50.0	58.0	
113 1,4-Dichlorobenzene	146	10.942	10.942	0.000	92	913912	50.0	56.2	
115 n-Butylbenzene	91	11.247	11.247	0.000	95	1488169	50.0	57.6	
116 1,2-Dichlorobenzene	146	11.295	11.295	0.000	93	865936	50.0	57.4	
117 1,2-Dibromo-3-Chloropropan	75	12.013	12.019	-0.006	79	100893	50.0	54.9	
119 1,2,4-Trichlorobenzene	180	12.694	12.694	0.000	92	635229	50.0	58.8	
120 Hexachlorobutadiene	225	12.804	12.804	0.000	97	303829	50.0	59.0	
121 Naphthalene	128	12.907	12.907	0.000	97	1669976	50.0	59.2	
122 1,2,3-Trichlorobenzene	180	13.108	13.108	0.000	97	608393	50.0	58.4	
S 123 Total BTEX	1				0			282.8	
S 124 Xylenes, Total	1				0			113.7	
S 125 1,2-Dichloroethene, Total	1				0			111.2	
S 126 1,3-Dichloropropene, Total	1				0			117.1	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00114	Amount Added:	25.00	Units: uL	
GAS CORP mix_00249	Amount Added:	25.00	Units: uL	
S_8260_IS_00271	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00238	Amount Added:	1.00	Units: uL	Run Reagent

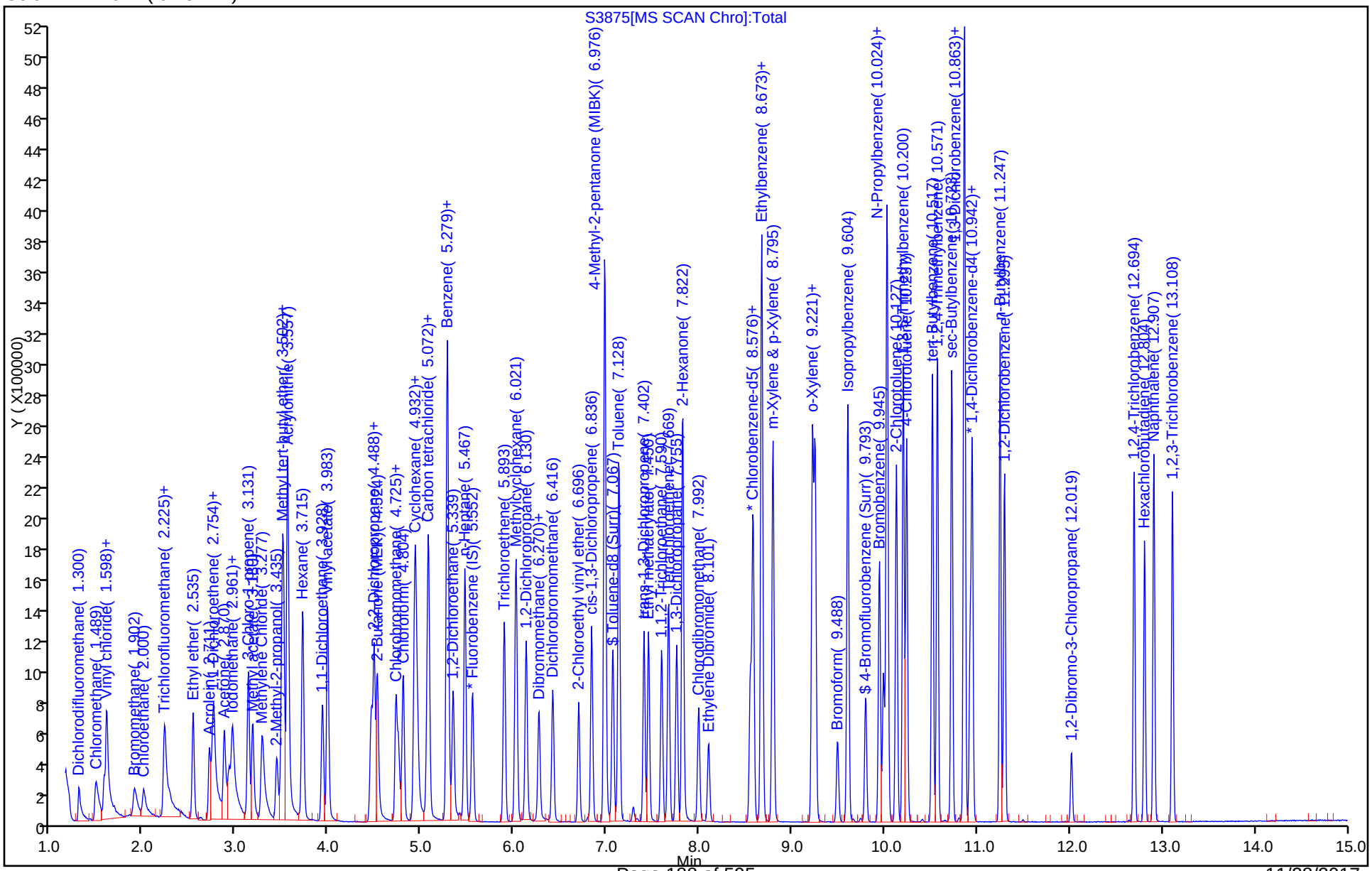
Report Date: 06-Nov-2017 14:29:58 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3875.D

Injection Date:	05-Nov-2017 22:01:30	Instrument ID:	HP5973S	Operator ID:	AS/AM
Lims ID:	IC 6			Worklist Smp#:	14
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

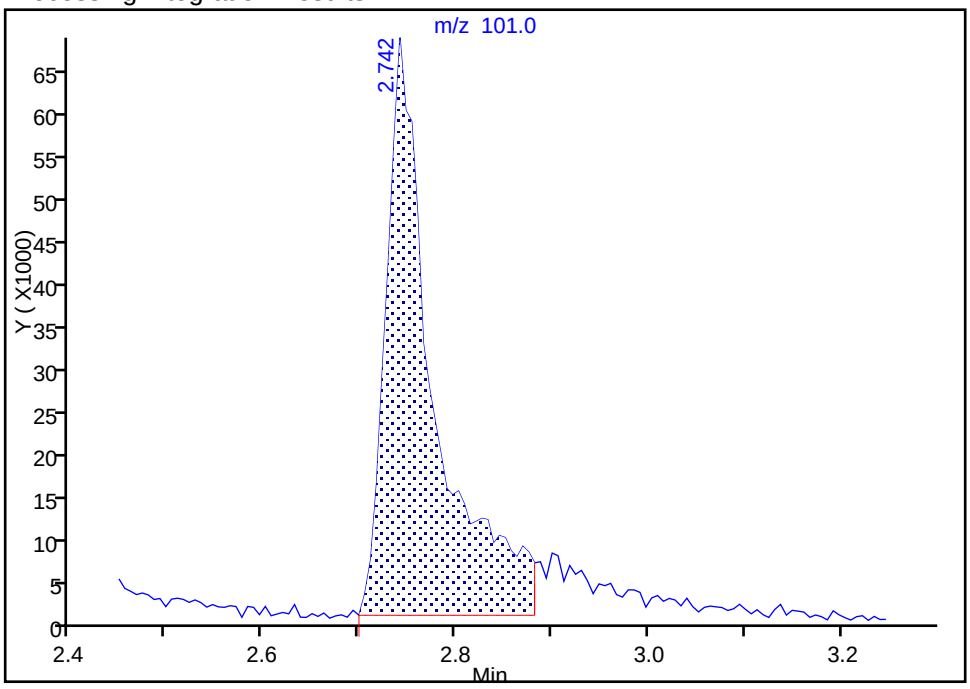
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Injection Date: 05-Nov-2017 22:01:30 Instrument ID: HP5973S
Lims ID: IC 6
Client ID:
Operator ID: AS/AM ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

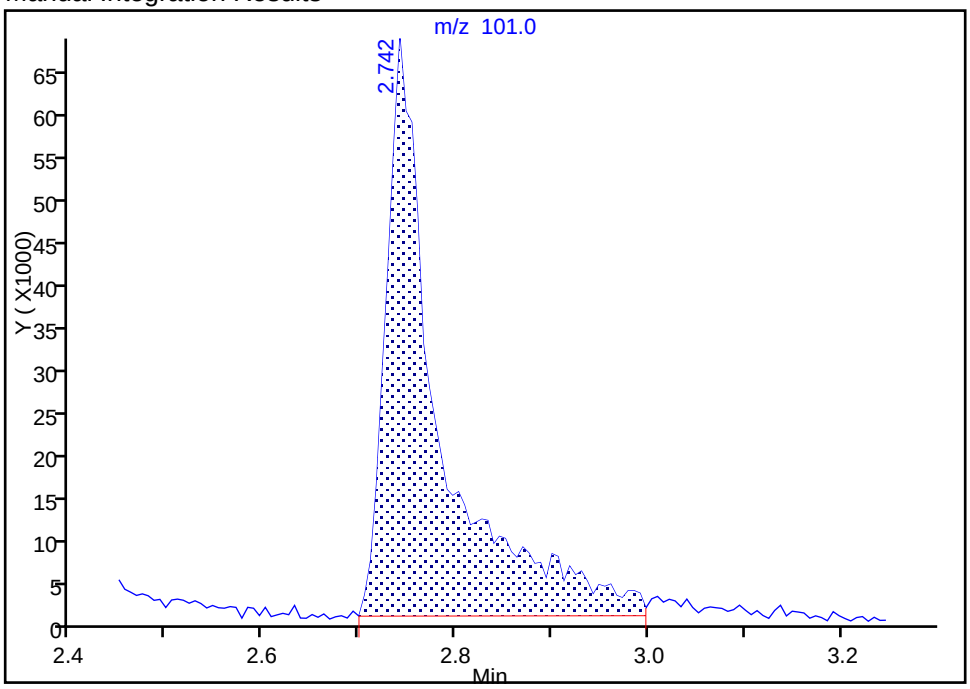
Processing Integration Results

RT: 2.74
Area: 235219
Amount: 58.717720
Amount Units: ug/L



Manual Integration Results

RT: 2.74
Area: 262635
Amount: 52.012857
Amount Units: ug/L



Reviewer: moffata, 06-Nov-2017 11:38:04
Audit Action: Manually Integrated Audit Reason: Poor chromatography

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3876.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 05-Nov-2017 22:24:30 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 7
Misc. Info.: 480-0067029-015
Operator ID: AS/AM Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 06-Nov-2017 14:29:59 Calib Date: 06-Nov-2017 02:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3887.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK039

First Level Reviewer: moffata Date: 06-Nov-2017 12:15:54

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	5.552	5.552	0.000	93	147227	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.552	8.552	0.000	86	290473	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.924	10.924	0.000	20	280417	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.956	4.956	0.000	49	179322	25.0	24.1	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.267	5.273	-0.006	0	117022	25.0	24.1	
$ 5 Toluene-d8 (Surr)	98	7.067	7.067	0.000	92	722187	25.0	24.5	
$ 6 4-Bromofluorobenzene (Surr	174	9.793	9.793	0.000	84	239858	25.0	24.5	
10 Dichlorodifluoromethane	85	1.300	1.300	0.000	98	621226	100.0	98.3	
12 Chloromethane	50	1.489	1.489	0.000	100	1008385	100.0	107.6	
13 Vinyl chloride	62	1.574	1.580	-0.006	94	857344	100.0	101.1	
151 Butadiene	54	1.604	1.604	0.000	66	845247	100.0	108.5	
14 Bromomethane	94	1.908	1.908	0.000	90	525610	100.0	106.9	
15 Chloroethane	64	2.006	2.006	0.000	99	551086	100.0	113.5	
16 Dichlorofluoromethane	67	2.225	2.225	0.000	96	1160180	100.0	105.5	
17 Trichlorofluoromethane	101	2.231	2.231	0.000	86	1010390	100.0	99.1	
18 Ethyl ether	59	2.535	2.535	0.000	95	831551	100.0	114.0	
20 Acrolein	56	2.711	2.711	0.000	99	882841	500.0	533.2	
21 1,1,2-Trichloro-1,2,2-trif	101	2.748	2.742	0.006	67	535140	100.0	97.2	
22 1,1-Dichloroethene	96	2.760	2.760	0.000	92	709166	100.0	100.0	
23 Acetone	43	2.870	2.876	-0.006	99	1584578	500.0	527.6	
25 Iodomethane	142	2.924	2.924	0.000	98	1218612	100.0	103.8	
26 Carbon disulfide	76	2.961	2.967	-0.006	100	2348008	100.0	114.9	
28 3-Chloro-1-propene	41	3.131	3.131	0.000	87	1555239	100.0	113.8	
27 Methyl acetate	43	3.174	3.180	-0.006	96	1729626	200.0	221.3	
30 Methylene Chloride	84	3.283	3.283	0.000	98	806927	100.0	107.4	
31 2-Methyl-2-propanol	59	3.435	3.441	-0.006	97	1255912	1000.0	1146.2	
32 Methyl tert-butyl ether	73	3.496	3.496	0.000	88	2537835	100.0	111.1	
34 trans-1,2-Dichloroethene	96	3.508	3.514	-0.006	86	789331	100.0	111.3	
33 Acrylonitrile	53	3.557	3.557	0.000	97	4162634	1000.0	1146.7	
35 Hexane	57	3.721	3.721	0.000	94	1295098	100.0	112.8	

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	3.928	3.934	-0.006	97	1519887	100.0	116.8	
37 Vinyl acetate	43	3.983	3.989	-0.006	97	4337114	200.0	232.9	
44 2,2-Dichloropropane	77	4.457	4.457	0.000	94	993515	100.0	110.5	
45 cis-1,2-Dichloroethene	96	4.488	4.488	0.000	85	903355	100.0	112.8	
43 2-Butanone (MEK)	43	4.518	4.524	-0.006	93	2704628	500.0	576.9	
48 Chlorobromomethane	128	4.725	4.725	0.000	96	445879	100.0	112.9	
49 Tetrahydrofuran	42	4.749	4.755	-0.006	90	732599	200.0	218.0	
50 Chloroform	83	4.804	4.804	0.000	84	1363738	100.0	113.2	
51 1,1,1-Trichloroethane	97	4.926	4.926	0.000	98	1167418	100.0	116.3	
52 Cyclohexane	56	4.938	4.938	0.000	94	1475473	100.0	117.8	
55 Carbon tetrachloride	117	5.066	5.066	0.000	91	1066582	100.0	114.9	
54 1,1-Dichloropropene	75	5.078	5.078	0.000	91	1093889	100.0	116.3	
53 Isobutyl alcohol	43	5.279	5.279	0.000	64	1576647	2500.0	2829.9	
57 Benzene	78	5.279	5.279	0.000	97	3215229	100.0	112.4	
58 1,2-Dichloroethane	62	5.340	5.339	0.001	84	1230173	100.0	110.2	
59 n-Heptane	43	5.467	5.467	0.000	95	1482983	100.0	114.3	
62 Trichloroethene	95	5.893	5.893	0.000	97	861292	100.0	119.7	
64 Methylcyclohexane	83	6.021	6.021	0.000	96	1299806	100.0	116.9	
65 1,2-Dichloropropane	63	6.130	6.130	0.000	92	904072	100.0	114.4	
67 Dibromomethane	93	6.264	6.264	0.000	94	528808	100.0	116.2	
66 1,4-Dioxane	88	6.276	6.282	-0.006	41	223453	2000.0	2048.7	
68 Dichlorobromomethane	83	6.416	6.416	0.000	98	1088467	100.0	116.1	
69 2-Chloroethyl vinyl ether	63	6.696	6.696	0.000	92	673626	100.0	118.2	
72 cis-1,3-Dichloropropene	75	6.836	6.836	0.000	87	1365074	100.0	118.8	
73 4-Methyl-2-pentanone (MIBK	43	6.976	6.982	-0.006	96	5196509	500.0	530.1	
74 Toluene	92	7.134	7.134	0.000	98	2127427	100.0	117.4	
77 trans-1,3-Dichloropropene	75	7.402	7.402	0.000	98	1299977	100.0	124.5	
75 Ethyl methacrylate	69	7.451	7.450	0.001	75	1211392	100.0	115.6	
79 1,1,2-Trichloroethane	83	7.590	7.590	0.000	93	612196	100.0	118.7	
81 Tetrachloroethene	166	7.670	7.669	0.001	94	956397	100.0	118.7	
82 1,3-Dichloropropane	76	7.755	7.755	0.000	98	1319655	100.0	115.8	
80 2-Hexanone	43	7.822	7.822	0.000	95	3860892	500.0	554.7	
83 Chlorodibromomethane	129	7.992	7.992	0.000	90	882817	100.0	126.8	
84 Ethylene Dibromide	107	8.102	8.101	0.001	98	785260	100.0	117.9	
87 Chlorobenzene	112	8.582	8.582	0.000	93	2386658	100.0	116.8	
89 1,1,1,2-Tetrachloroethane	131	8.673	8.673	0.000	46	867868	100.0	118.2	
88 Ethylbenzene	91	8.673	8.673	0.000	47	3845180	100.0	112.0	
90 m-Xylene & p-Xylene	106	8.795	8.795	0.000	0	1567929	100.0	119.4	
91 o-Xylene	106	9.221	9.221	0.000	97	1518798	100.0	118.2	
92 Styrene	104	9.251	9.251	0.000	94	2598212	100.0	120.2	
95 Bromoform	173	9.495	9.495	0.000	97	618137	100.0	138.6	
94 Isopropylbenzene	105	9.604	9.604	0.000	96	3750728	100.0	117.1	
101 Bromobenzene	156	9.945	9.945	0.000	94	1038119	100.0	121.9	
97 1,1,2,2-Tetrachloroethane	83	9.987	9.987	0.000	88	963293	100.0	117.2	
99 N-Propylbenzene	91	10.024	10.024	0.000	97	4315304	100.0	114.7	
100 1,2,3-Trichloropropane	110	10.024	10.024	0.000	52	321189	100.0	114.1	
98 trans-1,4-Dichloro-2-buten	53	10.036	10.036	0.000	39	362877	100.0	170.7	
103 2-Chlorotoluene	126	10.127	10.127	0.000	96	957199	100.0	118.1	
102 1,3,5-Trimethylbenzene	105	10.200	10.200	0.000	86	3169659	100.0	116.1	
105 4-Chlorotoluene	126	10.237	10.237	0.000	97	1006213	100.0	123.5	
106 tert-Butylbenzene	134	10.517	10.517	0.000	91	784160	100.0	121.7	
107 1,2,4-Trimethylbenzene	105	10.571	10.571	0.000	55	3237496	100.0	115.0	

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	10.724	10.723	0.001	94	3894832	100.0	114.5	
111 1,3-Dichlorobenzene	146	10.857	10.857	0.000	80	1884924	100.0	116.1	
110 4-Isopropyltoluene	119	10.863	10.863	0.000	95	3457033	100.0	113.9	
113 1,4-Dichlorobenzene	146	10.943	10.942	0.001	93	1943419	100.0	116.2	
115 n-Butylbenzene	91	11.247	11.247	0.000	94	3082240	100.0	116.0	
116 1,2-Dichlorobenzene	146	11.295	11.295	0.000	92	1834040	100.0	118.2	
117 1,2-Dibromo-3-Chloropropan	75	12.013	12.019	-0.006	83	221840	100.0	117.4	
119 1,2,4-Trichlorobenzene	180	12.695	12.694	0.001	94	1384690	100.0	124.6	
120 Hexachlorobutadiene	225	12.804	12.804	0.000	97	657352	100.0	124.0	
121 Naphthalene	128	12.908	12.907	0.001	98	3551226	100.0	122.3	
122 1,2,3-Trichlorobenzene	180	13.108	13.108	0.000	96	1301981	100.0	121.4	
S 125 1,2-Dichloroethene, Total	1				0			224.1	
S 126 1,3-Dichloropropene, Total	1				0			243.2	
S 123 Total BTEX	1				0			579.4	
S 124 Xylenes, Total	1				0			237.6	

Reagents:

8260 CORP mix_00114	Amount Added: 50.00	Units: uL		
GAS CORP mix_00249	Amount Added: 50.00	Units: uL		
S_8260_IS_00271	Amount Added: 1.00	Units: uL	Run Reagent	
S_8260_Surr_00238	Amount Added: 1.00	Units: uL	Run Reagent	

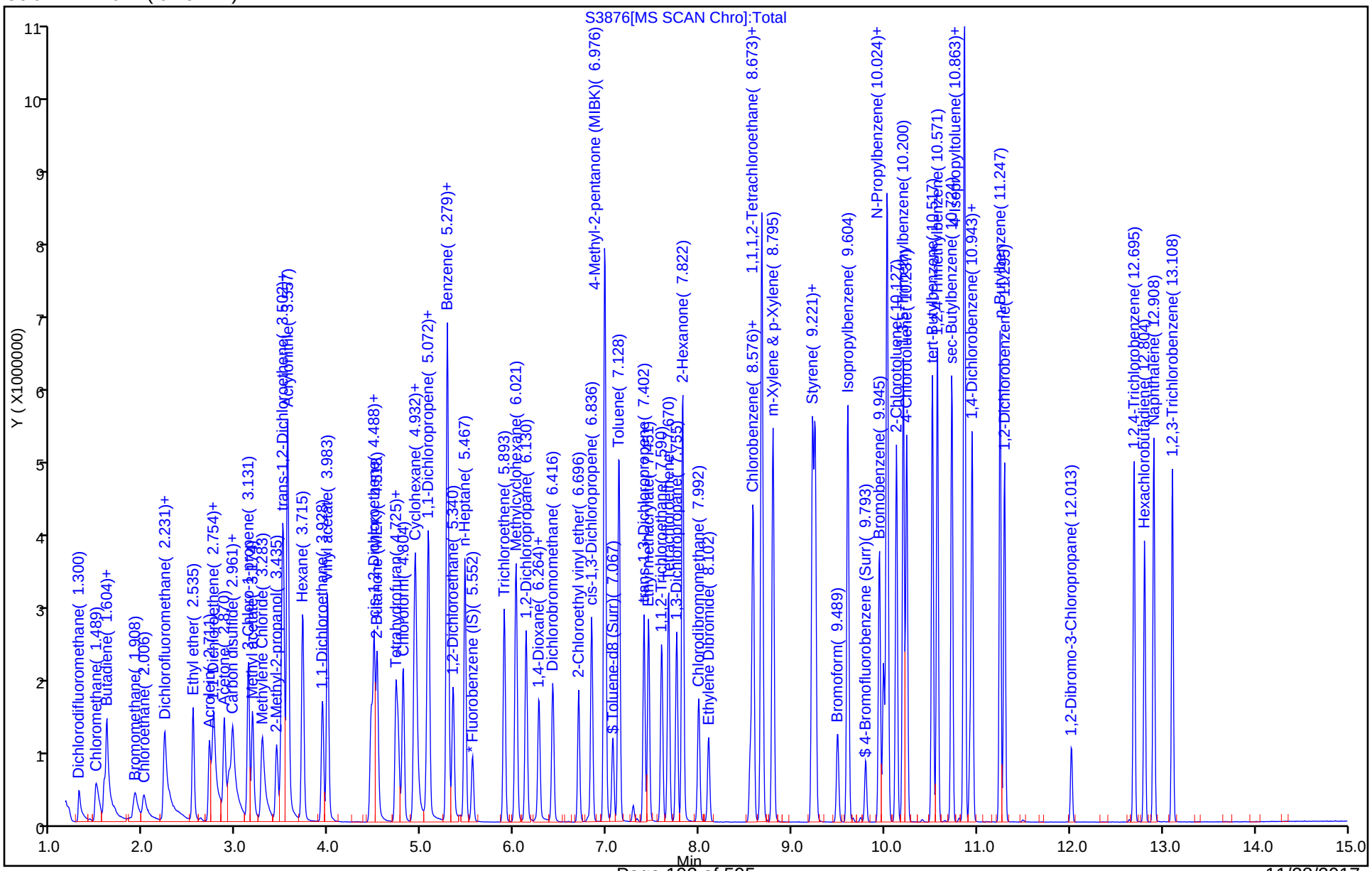
Report Date: 06-Nov-2017 14:30:00 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3876.D

Injection Date:	05-Nov-2017 22:24:30	Instrument ID:	HP5973S	Operator ID:	AS/AM
Lims ID:	IC 7			Worklist Smp#:	15
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Lab Sample ID: CCVIS 480-389077/2 Calibration Date: 11/24/2017 19:19

Instrument ID: HP5973S Calib Start Date: 11/05/2017 19:42

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 11/05/2017 22:24

Lab File ID: S4194.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	Lin1		1.567	0.1000	37.0	25.0	48.0	50.0
Chloromethane	Ave	1.591	1.970	0.1000	31.0	25.0	23.8*	20.0
Vinyl chloride	Lin1		1.691	0.1000	29.8	25.0	19.2	20.0
Butadiene	Ave	1.323	1.748		33.0	25.0	32.1*	20.0
Bromomethane	Ave	0.8351	1.003	0.1000	30.0	25.0	20.1	50.0
Chloroethane	Ave	0.8242	1.055	0.1000	32.0	25.0	28.0	50.0
Dichlorofluoromethane	Ave	1.867	2.147		28.8	25.0	15.0	20.0
Trichlorofluoromethane	Lin1		1.923	0.1000	28.3	25.0	13.4	20.0
Ethyl ether	Ave	1.238	1.322		26.7	25.0	6.7	20.0
Acrolein	Ave	0.2812	0.2521		112	125	-10.3	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Lin1		1.109	0.1000	30.0	25.0	20.0	20.0
1,1-Dichloroethene	Lin1		1.271	0.1000	26.6	25.0	6.5	20.0
Acetone	Ave	0.5100	0.5591	0.1000	137	125	9.6	50.0
Iodomethane	Lin1		2.103		26.9	25.0	7.6	20.0
Carbon disulfide	Ave	3.471	4.102	0.1000	29.5	25.0	18.2	20.0
Allyl chloride	Ave	2.321	2.354		25.4	25.0	1.4	20.0
Methyl acetate	Ave	1.327	1.150	0.1000	43.3	50.0	-13.3	50.0
Methylene Chloride	Ave	1.276	1.417	0.1000	27.8	25.0	11.1	20.0
2-Methyl-2-propanol	Ave	0.1861	0.1231		165	250	-33.8	50.0
Methyl tert-butyl ether	Ave	3.881	4.190	0.1000	27.0	25.0	8.0	20.0
trans-1,2-Dichloroethene	Ave	1.204	1.381	0.1000	28.7	25.0	14.7	20.0
Acrylonitrile	Ave	0.6164	0.6244		253	250	1.3	20.0
Hexane	Ave	1.950	2.410		30.9	25.0	23.6*	20.0
1,1-Dichloroethane	Ave	2.209	2.563	0.2000	29.0	25.0	16.0	20.0
Vinyl acetate	Ave	3.162	3.533		55.9	50.0	11.7	20.0
2,2-Dichloropropane	Ave	1.527	1.782		29.2	25.0	16.8	20.0
cis-1,2-Dichloroethene	Ave	1.360	1.561	0.1000	28.7	25.0	14.7	20.0
2-Butanone (MEK)	Ave	0.7960	0.8077	0.1000	127	125	1.5	20.0
Chlorobromomethane	Ave	0.6705	0.7376		27.5	25.0	10.0	20.0
Tetrahydrofuran	Ave	0.5708	0.5296		46.4	50.0	-7.2	20.0
Chloroform	Ave	2.046	2.331	0.2000	28.5	25.0	13.9	20.0
1,1,1-Trichloroethane	Ave	1.705	1.968	0.1000	28.8	25.0	15.4	20.0
Cyclohexane	Ave	2.127	2.253	0.1000	26.5	25.0	5.9	20.0
Carbon tetrachloride	Ave	1.576	1.764	0.1000	28.0	25.0	11.9	20.0
1,1-Dichloropropene	Ave	1.597	1.860		29.1	25.0	16.5	20.0
Benzene	Ave	4.858	5.658	0.5000	29.1	25.0	16.5	20.0
Isobutyl alcohol	Ave	0.0946	0.0834		551	625	-11.8	50.0
1,2-Dichloroethane	Ave	1.895	2.061	0.1000	27.2	25.0	8.7	20.0
n-Heptane	Ave	2.203	2.662		30.2	25.0	20.8*	20.0
Trichloroethene	Ave	1.222	1.470	0.2000	30.1	25.0	20.3*	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Lab Sample ID: CCVIS 480-389077/2 Calibration Date: 11/24/2017 19:19

Instrument ID: HP5973S Calib Start Date: 11/05/2017 19:42

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 11/05/2017 22:24

Lab File ID: S4194.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	1.887	2.409	0.1000	31.9	25.0	27.6*	20.0
1,2-Dichloropropane	Ave	1.341	1.459	0.1000	27.2	25.0	8.8	20.0
Dibromomethane	Ave	0.7730	0.8648	0.1000	28.0	25.0	11.9	20.0
1,4-Dioxane	Lin1		0.0090		497	500	-0.6	50.0
Bromodichloromethane	Ave	1.592	1.762	0.2000	27.7	25.0	10.7	20.0
2-Chloroethyl vinyl ether	Ave	0.9678	0.9477		24.5	25.0	-2.1	20.0
cis-1,3-Dichloropropene	Ave	1.952	2.122	0.2000	27.2	25.0	8.7	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.8437	0.7902	0.1000	117	125	-6.3	20.0
Toluene	Ave	1.559	1.768	0.4000	28.3	25.0	13.4	20.0
trans-1,3-Dichloropropene	Ave	0.8989	0.9439	0.1000	26.3	25.0	5.0	20.0
Ethyl methacrylate	Ave	0.9019	0.8968		24.9	25.0	-0.6	20.0
1,1,2-Trichloroethane	Ave	0.4437	0.4833	0.1000	27.2	25.0	8.9	20.0
Tetrachloroethene	Ave	0.6936	0.8008	0.2000	28.9	25.0	15.5	20.0
1,3-Dichloropropane	Ave	0.9806	1.023		26.1	25.0	4.4	20.0
2-Hexanone	Ave	0.5990	0.5806	0.1000	121	125	-3.1	20.0
Dibromochloromethane	Ave	0.5990	0.6218	0.1000	26.0	25.0	3.8	20.0
1,2-Dibromoethane	Ave	0.5733	0.6189		27.0	25.0	8.0	20.0
Chlorobenzene	Ave	1.758	1.983	0.5000	28.2	25.0	12.8	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6317	0.6834		27.0	25.0	8.2	20.0
Ethylbenzene	Ave	2.956	3.266	0.1000	27.6	25.0	10.5	20.0
m,p-Xylene	Ave	1.130	1.283	0.1000	28.4	25.0	13.5	20.0
o-Xylene	Ave	1.106	1.254	0.3000	28.4	25.0	13.4	20.0
Styrene	Ave	1.861	2.136	0.3000	28.7	25.0	14.8	20.0
Bromoform	Ave	0.3837	0.4067	0.1000	26.5	25.0	6.0	50.0
Isopropylbenzene	Ave	2.856	3.194	0.1000	28.0	25.0	11.8	20.0
Bromobenzene	Ave	0.7595	0.8487		27.9	25.0	11.7	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7325	0.7378	0.3000	25.2	25.0	0.7	20.0
1,2,3-Trichloropropane	Ave	0.2510	0.2575		25.6	25.0	2.6	20.0
N-Propylbenzene	Ave	3.356	3.820		28.5	25.0	13.8	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1895	0.2231		29.4	25.0	17.7	50.0
2-Chlorotoluene	Ave	0.7227	0.7689		26.6	25.0	6.4	20.0
1,3,5-Trimethylbenzene	Ave	2.434	2.745		28.2	25.0	12.8	20.0
4-Chlorotoluene	Ave	0.7261	0.8135		28.0	25.0	12.0	20.0
tert-Butylbenzene	Ave	0.5744	0.6526		28.4	25.0	13.6	20.0
1,2,4-Trimethylbenzene	Ave	2.510	2.832		28.2	25.0	12.8	20.0
sec-Butylbenzene	Ave	3.032	3.517		29.0	25.0	16.0	20.0
1,3-Dichlorobenzene	Ave	1.448	1.645	0.6000	28.4	25.0	13.6	20.0
4-Isopropyltoluene	Ave	2.707	3.123		28.8	25.0	15.4	20.0
1,4-Dichlorobenzene	Ave	1.491	1.660	0.5000	27.8	25.0	11.3	20.0
n-Butylbenzene	Ave	2.368	2.799		29.5	25.0	18.2	20.0
1,2-Dichlorobenzene	Ave	1.383	1.595	0.4000	28.8	25.0	15.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Lab Sample ID: CCVIS 480-389077/2 Calibration Date: 11/24/2017 19:19

Instrument ID: HP5973S Calib Start Date: 11/05/2017 19:42

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 11/05/2017 22:24

Lab File ID: S4194.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	0.1684	0.1438	0.0500	21.3	25.0	-14.7	50.0
1,2,4-Trichlorobenzene	Ave	0.9910	1.176	0.2000	29.7	25.0	18.7	20.0
Hexachlorobutadiene	Ave	0.4726	0.5884		31.1	25.0	24.5*	20.0
Naphthalene	Ave	2.589	2.907		28.1	25.0	12.3	20.0
1,2,3-Trichlorobenzene	Ave	0.9564	1.094		28.6	25.0	14.4	20.0
Dibromofluoromethane (Surr)	Ave	1.264	1.298		25.7	25.0	2.7	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.8239	0.8270		25.1	25.0	0.4	20.0
Toluene-d8 (Surr)	Ave	2.532	2.496		24.6	25.0	-1.4	20.0
4-Bromofluorobenzene (Surr)	Ave	0.8429	0.8189		24.3	25.0	-2.8	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S4194.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 24-Nov-2017 19:19:30 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ccvis
Misc. Info.: 480-0067526-002
Operator ID: KN Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Nov-2017 08:34:13 Calib Date: 06-Nov-2017 02:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3887.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: reiler Date: 25-Nov-2017 08:33:18

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	5.546	5.546	0.000	98	142258	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.545	8.545	0.000	86	295986	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.924	10.924	0.000	58	298263	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.956	4.956	0.000	81	184665	25.0	25.7	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.266	5.266	0.000	0	117651	25.0	25.1	
$ 5 Toluene-d8 (Surr)	98	7.061	7.061	0.000	93	738781	25.0	24.6	
$ 6 4-Bromofluorobenzene (Surr	174	9.793	9.793	0.000	90	242382	25.0	24.3	
10 Dichlorodifluoromethane	85	1.300	1.300	0.000	98	222960	25.0	37.0	
12 Chloromethane	50	1.482	1.482	0.000	100	280257	25.0	31.0	
13 Vinyl chloride	62	1.568	1.568	0.000	94	240598	25.0	29.8	
151 Butadiene	54	1.592	1.592	0.000	90	248627	25.0	33.0	
14 Bromomethane	94	1.896	1.896	0.000	87	142708	25.0	30.0	
15 Chloroethane	64	1.993	1.993	0.000	97	150060	25.0	32.0	
16 Dichlorofluoromethane	67	2.219	2.219	0.000	95	305488	25.0	28.8	
17 Trichlorofluoromethane	101	2.225	2.225	0.000	93	273610	25.0	28.3	
18 Ethyl ether	59	2.529	2.529	0.000	93	188022	25.0	26.7	
20 Acrolein	56	2.711	2.711	0.000	95	179303	125.0	112.1	
21 1,1,2-Trichloro-1,2,2-trif	101	2.736	2.736	0.000	88	157729	25.0	30.0	M
22 1,1-Dichloroethene	96	2.754	2.754	0.000	97	180851	25.0	26.6	
23 Acetone	43	2.870	2.870	0.000	98	397703	125.0	137.0	
25 Iodomethane	142	2.918	2.918	0.000	96	299101	25.0	26.9	
26 Carbon disulfide	76	2.955	2.955	0.000	99	583517	25.0	29.5	
28 3-Chloro-1-propene	41	3.125	3.125	0.000	86	334867	25.0	25.4	
27 Methyl acetate	43	3.180	3.180	0.000	95	327270	50.0	43.3	
30 Methylene Chloride	84	3.277	3.277	0.000	98	201615	25.0	27.8	
31 2-Methyl-2-propanol	59	3.441	3.441	0.000	96	175123	250.0	165.4	
32 Methyl tert-butyl ether	73	3.496	3.496	0.000	91	596078	25.0	27.0	
34 trans-1,2-Dichloroethene	96	3.508	3.508	0.000	87	196455	25.0	28.7	
33 Acrylonitrile	53	3.551	3.551	0.000	98	888309	250.0	253.2	
35 Hexane	57	3.715	3.715	0.000	89	342893	25.0	30.9	

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	3.928	3.928	0.000	97	364665	25.0	29.0	
37 Vinyl acetate	43	3.983	3.983	0.000	97	1005224	50.0	55.9	
44 2,2-Dichloropropane	77	4.457	4.457	0.000	93	253555	25.0	29.2	
45 cis-1,2-Dichloroethene	96	4.488	4.488	0.000	81	222002	25.0	28.7	
43 2-Butanone (MEK)	43	4.524	4.524	0.000	94	574535	125.0	126.8	
48 Chlorobromomethane	128	4.719	4.719	0.000	95	104930	25.0	27.5	
49 Tetrahydrofuran	42	4.755	4.755	0.000	88	150673	50.0	46.4	
50 Chloroform	83	4.798	4.798	0.000	85	331583	25.0	28.5	
51 1,1,1-Trichloroethane	97	4.920	4.920	0.000	96	279910	25.0	28.8	
52 Cyclohexane	56	4.932	4.932	0.000	93	320454	25.0	26.5	
55 Carbon tetrachloride	117	5.060	5.060	0.000	92	250923	25.0	28.0	
54 1,1-Dichloropropene	75	5.072	5.072	0.000	90	264644	25.0	29.1	
57 Benzene	78	5.279	5.279	0.000	97	804863	25.0	29.1	
53 Isobutyl alcohol	43	5.279	5.279	0.000	47	296717	625.0	551.2	
58 1,2-Dichloroethane	62	5.339	5.339	0.000	79	293148	25.0	27.2	
59 n-Heptane	43	5.467	5.467	0.000	95	378642	25.0	30.2	
62 Trichloroethene	95	5.893	5.893	0.000	96	209146	25.0	30.1	
64 Methylcyclohexane	83	6.015	6.015	0.000	95	342731	25.0	31.9	
65 1,2-Dichloropropane	63	6.124	6.124	0.000	93	207596	25.0	27.2	
67 Dibromomethane	93	6.264	6.264	0.000	84	123026	25.0	28.0	
66 1,4-Dioxane	88	6.276	6.276	0.000	38	53530	500.0	496.8	
68 Dichlorobromomethane	83	6.416	6.416	0.000	98	250671	25.0	27.7	
69 2-Chloroethyl vinyl ether	63	6.696	6.696	0.000	95	134812	25.0	24.5	
72 cis-1,3-Dichloropropene	75	6.836	6.836	0.000	86	301870	25.0	27.2	
73 4-Methyl-2-pentanone (MIBK	43	6.976	6.976	0.000	98	1169464	125.0	117.1	
74 Toluene	92	7.128	7.128	0.000	95	523268	25.0	28.3	
77 trans-1,3-Dichloropropene	75	7.402	7.402	0.000	97	279393	25.0	26.3	
75 Ethyl methacrylate	69	7.450	7.450	0.000	73	265435	25.0	24.9	
79 1,1,2-Trichloroethane	83	7.590	7.590	0.000	93	143060	25.0	27.2	
81 Tetrachloroethene	166	7.663	7.663	0.000	90	237027	25.0	28.9	
82 1,3-Dichloropropane	76	7.755	7.755	0.000	96	302905	25.0	26.1	
80 2-Hexanone	43	7.815	7.815	0.000	81	859225	125.0	121.1	
83 Chlorodibromomethane	129	7.986	7.986	0.000	89	184049	25.0	26.0	
84 Ethylene Dibromide	107	8.095	8.095	0.000	99	183190	25.0	27.0	
87 Chlorobenzene	112	8.576	8.576	0.000	93	586873	25.0	28.2	
89 1,1,1,2-Tetrachloroethane	131	8.673	8.673	0.000	45	202282	25.0	27.0	
88 Ethylbenzene	91	8.673	8.673	0.000	46	966551	25.0	27.6	
90 m-Xylene & p-Xylene	106	8.789	8.789	0.000	0	379633	25.0	28.4	
91 o-Xylene	106	9.221	9.221	0.000	97	371279	25.0	28.4	
92 Styrene	104	9.245	9.245	0.000	96	632187	25.0	28.7	
95 Bromoform	173	9.488	9.488	0.000	96	120365	25.0	26.5	
94 Isopropylbenzene	105	9.604	9.604	0.000	96	952785	25.0	28.0	
101 Bromobenzene	156	9.939	9.939	0.000	94	253120	25.0	27.9	
97 1,1,2,2-Tetrachloroethane	83	9.987	9.987	0.000	90	220069	25.0	25.2	
100 1,2,3-Trichloropropane	110	10.024	10.024	0.000	41	76792	25.0	25.6	
99 N-Propylbenzene	91	10.024	10.024	0.000	98	1139330	25.0	28.5	
98 trans-1,4-Dichloro-2-buten	53	10.030	10.030	0.000	36	66547	25.0	29.4	
103 2-Chlorotoluene	126	10.127	10.127	0.000	96	229334	25.0	26.6	
102 1,3,5-Trimethylbenzene	105	10.200	10.200	0.000	92	818717	25.0	28.2	
105 4-Chlorotoluene	126	10.237	10.237	0.000	96	242624	25.0	28.0	
106 tert-Butylbenzene	134	10.517	10.517	0.000	91	194638	25.0	28.4	
107 1,2,4-Trimethylbenzene	105	10.565	10.565	0.000	76	844712	25.0	28.2	

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	10.723	10.723	0.000	94	1048841	25.0	29.0	
111 1,3-Dichlorobenzene	146	10.857	10.857	0.000	75	490596	25.0	28.4	
110 4-Isopropyltoluene	119	10.863	10.863	0.000	96	931584	25.0	28.8	
113 1,4-Dichlorobenzene	146	10.942	10.942	0.000	94	495240	25.0	27.8	
115 n-Butylbenzene	91	11.247	11.247	0.000	97	834752	25.0	29.5	
116 1,2-Dichlorobenzene	146	11.295	11.295	0.000	93	475646	25.0	28.8	
117 1,2-Dibromo-3-Chloropropan	75	12.013	12.013	0.000	69	42878	25.0	21.3	
119 1,2,4-Trichlorobenzene	180	12.694	12.694	0.000	94	350726	25.0	29.7	
120 Hexachlorobutadiene	225	12.804	12.804	0.000	97	175506	25.0	31.1	
121 Naphthalene	128	12.907	12.907	0.000	97	867106	25.0	28.1	
122 1,2,3-Trichlorobenzene	180	13.108	13.108	0.000	96	326432	25.0	28.6	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00114	Amount Added:	12.50	Units: uL	
GAS CORP mix_00251	Amount Added:	12.50	Units: uL	
S_8260_IS_00272	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00230	Amount Added:	1.00	Units: uL	Run Reagent

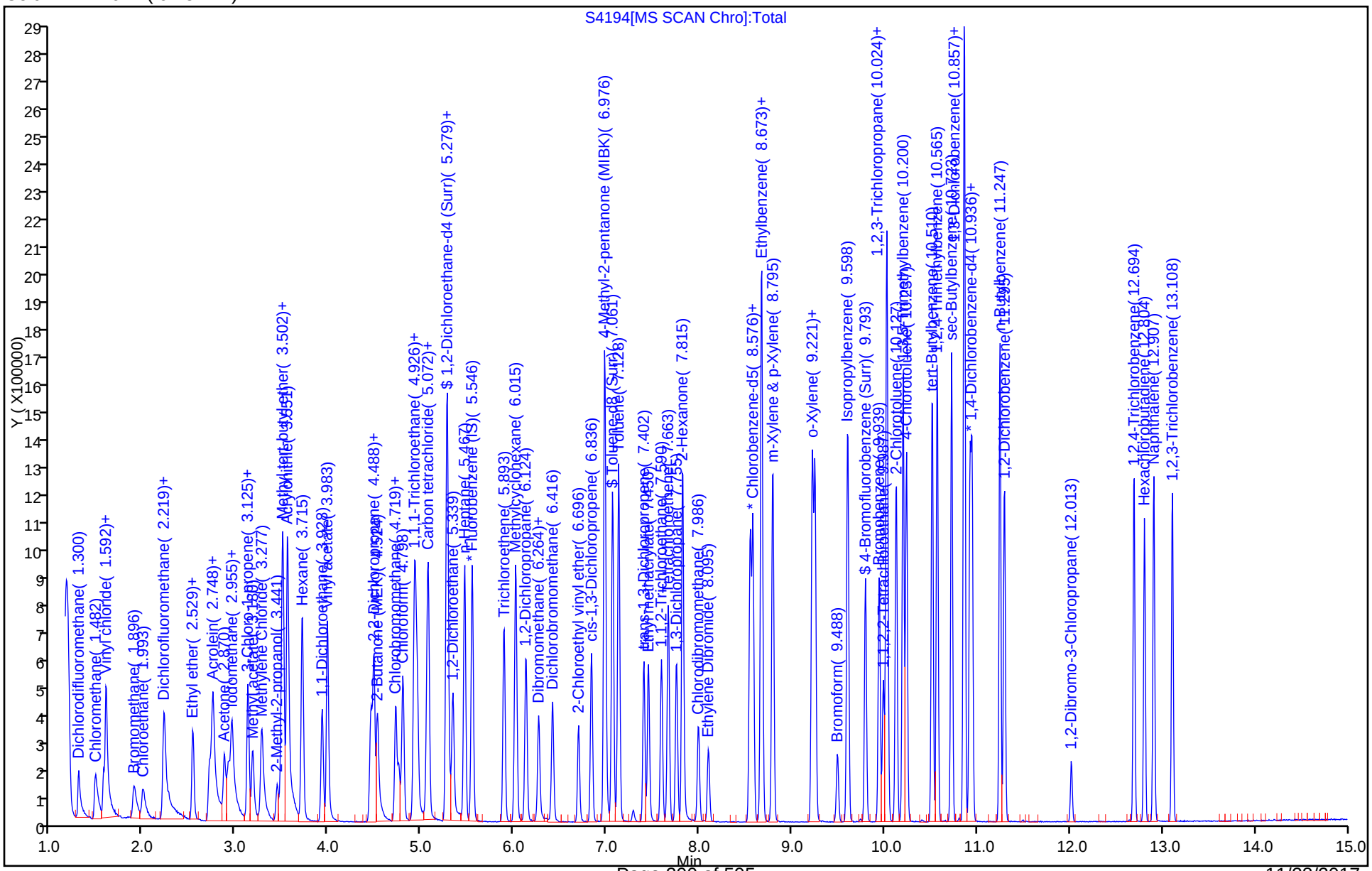
Report Date: 25-Nov-2017 08:34:14 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S4194.D

Injection Date:	24-Nov-2017 19:19:30	Instrument ID:	HP5973S	Operator ID:	KN
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

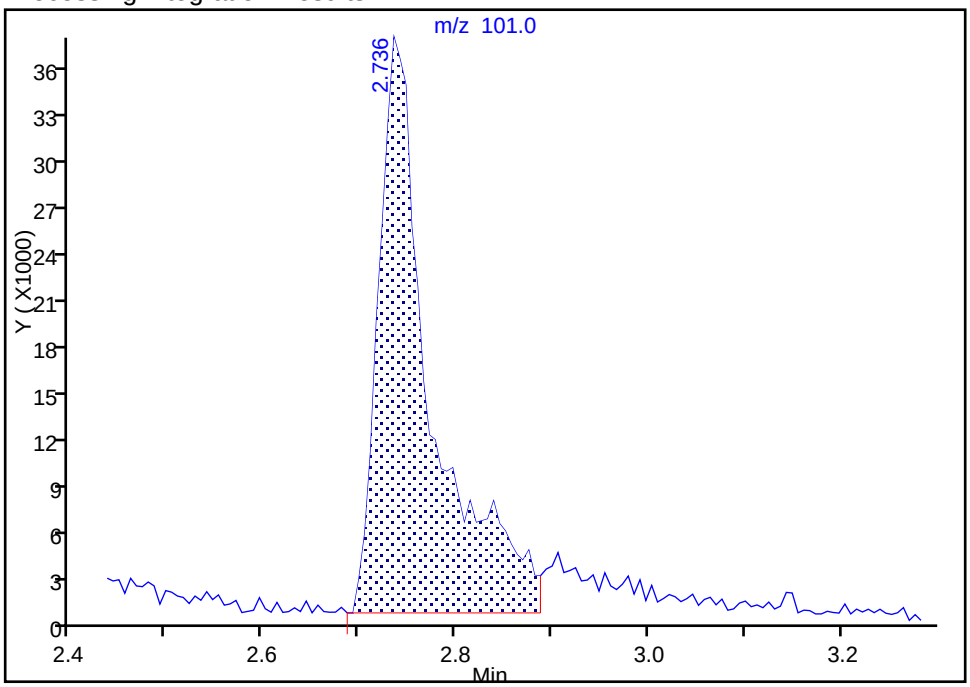
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S4194.D
Injection Date: 24-Nov-2017 19:19:30 Instrument ID: HP5973S
Lims ID: CCVIS
Client ID:
Operator ID: KN ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

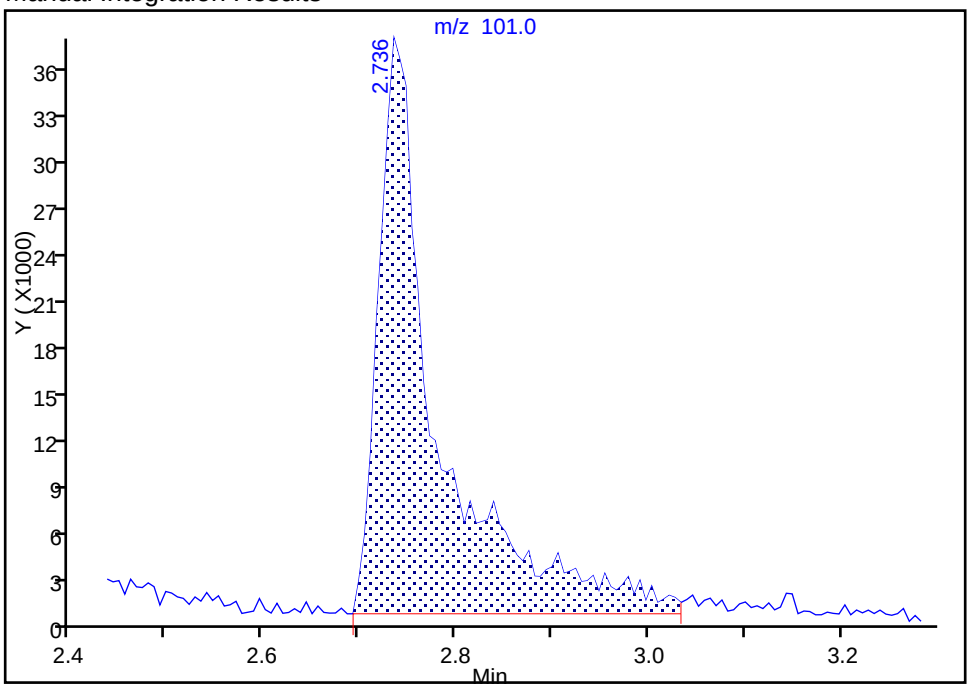
Processing Integration Results

RT: 2.74
Area: 140837
Amount: 26.840246
Amount Units: ug/L



Manual Integration Results

RT: 2.74
Area: 157729
Amount: 29.997447
Amount Units: ug/L



Reviewer: reiler, 25-Nov-2017 08:32:30
Audit Action: Split an Integrated Peak Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3867.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	05-Nov-2017 18:55:30	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0067029-006				
Operator ID:	AS/AM	Instrument ID:	HP5973S		
Method:	\\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	06-Nov-2017 14:30:02	Calib Date:	06-Nov-2017 02:40:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3887.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK039				
First Level Reviewer: sonkera		Date:	05-Nov-2017 19:04:13		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	3.838	3.838	0.000	0	215313	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

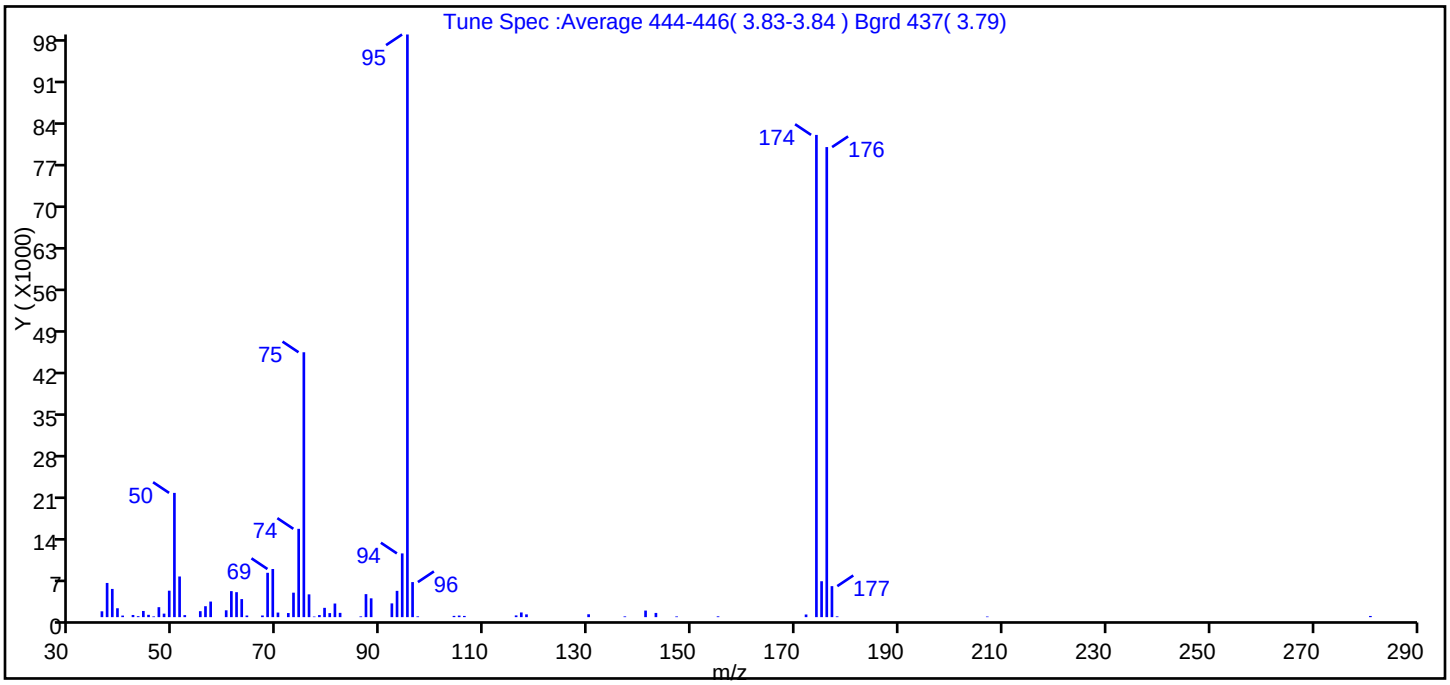
BFB_WRK_00065 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3867.D
Injection Date: 05-Nov-2017 18:55:30 Instrument ID: HP5973S
Lims ID: BFB
Client ID:
Operator ID: AS/AM ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: S-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	21.3
75	30 to 60% of m/z 95	45.5
96	5 to 9% of m/z 95	6.0
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	82.8
175	5 to 9% of m/z 174	6.2 (7.4)
176	Greater than 95% but less than 101% of m/z 174	80.7 (97.5)
177	5 to 9% of m/z 176	5.3 (6.6)

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3867.D\S-8260.rslt\spectra.d
Injection Date: 05-Nov-2017 18:55:30
Spectrum: Tune Spec :Average 444-446(3.83-3.84) Bgrd 437(3.79)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 68

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	991	56.00	1852	78.00	353	116.00	293
37.00	5795	57.00	2641	79.00	1577	117.00	794
38.00	4782	60.00	1160	80.00	684	118.00	470
39.00	1511	61.00	4410	81.00	2309	130.00	489
40.00	266	62.00	4235	82.00	725	137.00	128
42.00	366	63.00	3060	86.00	127	141.00	1113
43.00	163	64.00	275	87.00	3901	143.00	715
44.00	1048	67.00	279	88.00	3191	147.00	123
45.00	393	68.00	7516	92.00	2332	155.00	138
46.00	123	69.00	8160	93.00	4457	172.00	450
47.00	1689	70.00	775	94.00	10805	174.00	81752
48.00	596	72.00	694	95.00	98776	175.00	6088
49.00	4485	73.00	4149	96.00	5943	176.00	79688
50.00	21064	74.00	14973	97.00	129	177.00	5256
51.00	6893	75.00	44904	104.00	214	178.00	130
52.00	343	76.00	3864	105.00	269	207.00	103
55.00	1010	77.00	99	106.00	206	281.00	200

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S4193.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 24-Nov-2017 18:52:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: bfb
Misc. Info.: 480-0067526-001
Operator ID: KN Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Nov-2017 08:29:30 Calib Date: 06-Nov-2017 02:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3887.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: nowakk Date: 24-Nov-2017 19:02:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
$ 61 BFB	95	3.857	3.857	0.000	0	454934	NR	NR	M

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
M - Manually Integrated

Reagents:

BFB_WRK_00066 Amount Added: 1.00 Units: uL

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

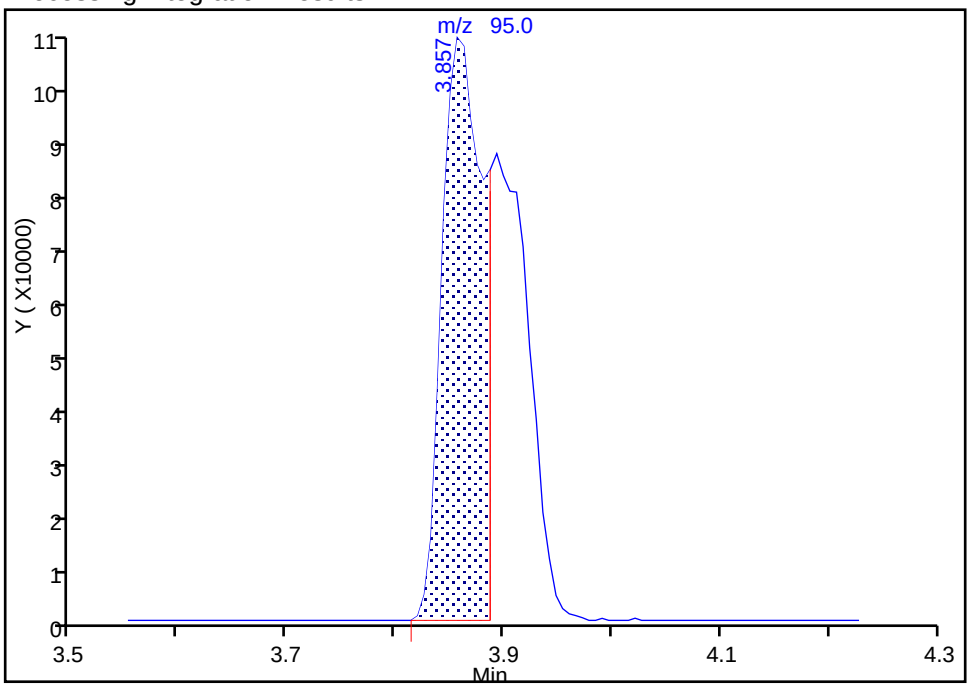
Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S4193.D
Injection Date: 24-Nov-2017 18:52:30 Instrument ID: HP5973S
Lims ID: BFB
Client ID:
Operator ID: KN ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

$ 61 BFB, CAS: 460-00-4

Signal: 1

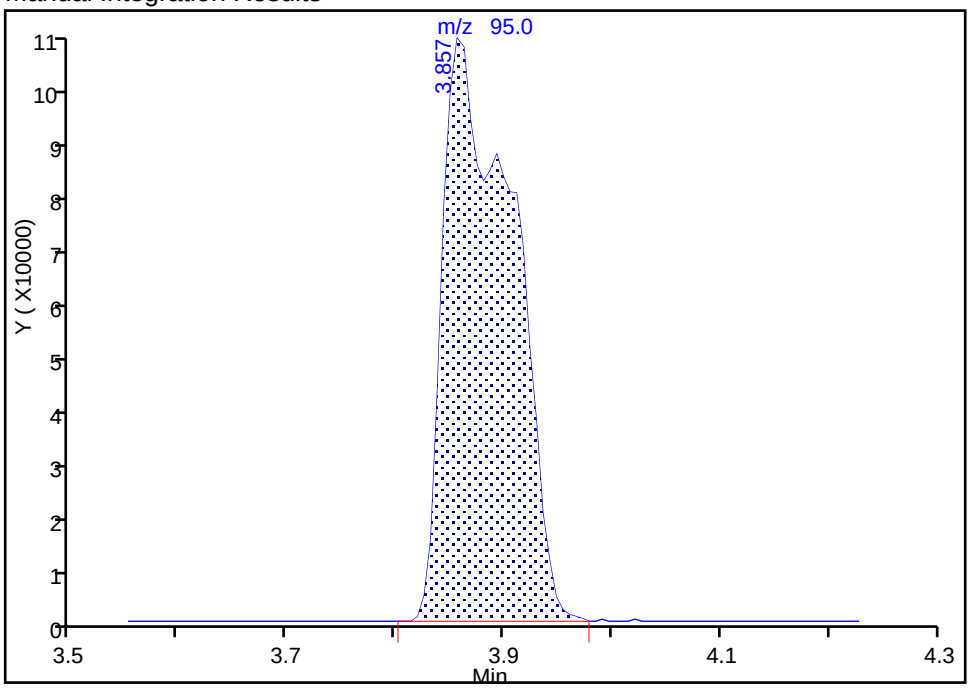
Processing Integration Results

RT: 3.86
Area: 273974
Amount: 0
Amount Units: ug/L



Manual Integration Results

RT: 3.86
Area: 454934
Amount: 0
Amount Units: ug/L



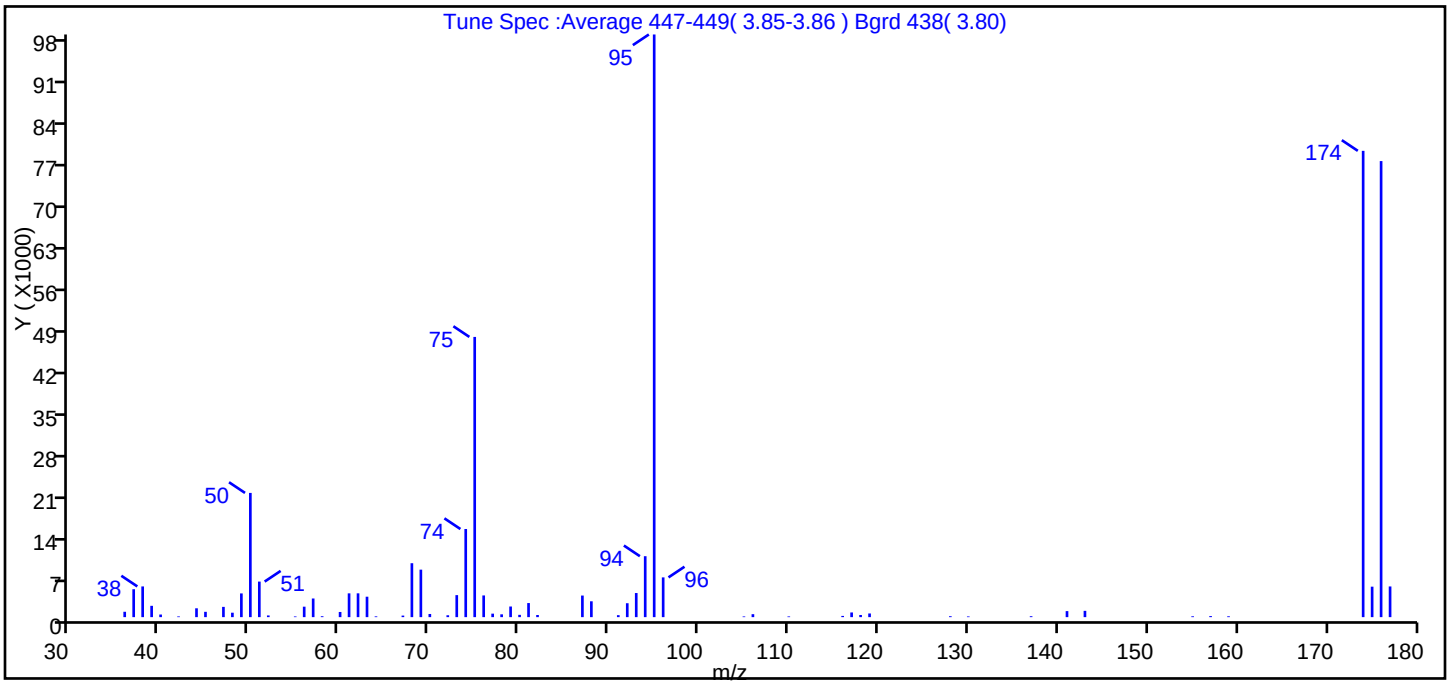
Reviewer: reiler, 25-Nov-2017 08:28:58
Audit Action: Manually Integrated Audit Reason: Poor chromatography

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S4193.D
Injection Date: 24-Nov-2017 18:52:30 Instrument ID: HP5973S
Lims ID: BFB
Client ID:
Operator ID: KN ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: S-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	21.3
75	30 to 60% of m/z 95	48.1
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	80.0
175	5 to 9% of m/z 174	5.2 (6.5)
176	Greater than 95% but less than 101% of m/z 174	78.3 (97.8)
177	5 to 9% of m/z 176	5.3 (6.7)

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S4193.D\S-8260.rslt\spectra.d
Injection Date: 24-Nov-2017 18:52:30
Spectrum: Tune Spec :Average 447-449(3.85-3.86) Bgrd 438(3.80)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 65

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	906	58.00	152	79.00	1795	118.00	364
37.00	4711	60.00	872	80.00	389	119.00	620
38.00	5183	61.00	4016	81.00	2377	128.00	154
39.00	1911	62.00	4019	82.00	361	130.00	118
40.00	442	63.00	3449	87.00	3645	137.00	155
42.00	121	64.00	131	88.00	2677	141.00	1019
44.00	1493	67.00	261	91.00	333	143.00	1063
45.00	899	68.00	9102	92.00	2349	155.00	142
47.00	1733	69.00	8016	93.00	4069	157.00	177
48.00	749	70.00	534	94.00	10286	159.00	142
49.00	4004	72.00	318	95.00	98344	174.00	78704
50.00	20968	73.00	3716	96.00	6710	175.00	5143
51.00	6002	74.00	14874	105.00	118	176.00	76976
52.00	286	75.00	47296	106.00	501	177.00	5180
55.00	117	76.00	3662	110.00	120		
56.00	1766	77.00	590	116.00	207		
57.00	3147	78.00	476	117.00	792		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-127885-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-389077/6

Matrix: Water | Lab File ID: S4198.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 11/24/2017 20:51

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.: 389077 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-127885-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-389077/6

Matrix: Water | Lab File ID: S4198.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 11/24/2017 20:51

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.: 389077 | Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
2037-26-5	Toluene-d8 (Surr)	97		80-120
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
1868-53-7	Dibromofluoromethane (Surr)	99		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S4198.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 24-Nov-2017 20:51:30 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: mb
Misc. Info.: 480-0067526-006
Operator ID: KN Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Nov-2017 08:44:52 Calib Date: 06-Nov-2017 02:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3887.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: nowakk Date: 24-Nov-2017 21:30:29

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	5.546	5.546	0.000	99	134551	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.546	8.546	0.000	86	277241	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.924	10.924	0.000	95	274357	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.962	4.956	0.006	58	168251	25.0	24.7	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.267	5.267	0.000	0	112339	25.0	25.3	
$ 5 Toluene-d8 (Surr)	98	7.061	7.061	0.000	93	680615	25.0	24.2	
$ 6 4-Bromofluorobenzene (Surr	174	9.793	9.793	0.000	88	226757	25.0	24.3	
10 Dichlorodifluoromethane	85		1.300					ND	
11 Chlorodifluoromethane	51		1.324					ND	
12 Chloromethane	50		1.482					ND	
13 Vinyl chloride	62		1.568					ND	
151 Butadiene	54		1.592					ND	
14 Bromomethane	94		1.896					ND	
15 Chloroethane	64		1.993					ND	
17 Trichlorofluoromethane	101		2.225					ND	
18 Ethyl ether	59		2.529					ND	
148 Ethanol	45		2.535					ND	
19 Propene oxide	58		2.620					ND	
20 Acrolein	56		2.711					ND	
21 1,1,2-Trichloro-1,2,2-trif	101		2.736					ND	
22 1,1-Dichloroethene	96		2.754					ND	
23 Acetone	43		2.870					ND	
25 Iodomethane	142		2.918					ND	
26 Carbon disulfide	76		2.955					ND	
24 Isopropyl alcohol	45		3.064					ND	
28 3-Chloro-1-propene	41		3.125					ND	
27 Methyl acetate	43		3.180					ND	
29 Acetonitrile	40		3.186					ND	
30 Methylene Chloride	84	3.277	3.277	0.000	24	1833		0.2669	
31 2-Methyl-2-propanol	59		3.441					ND	
32 Methyl tert-butyl ether	73		3.496					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
34 trans-1,2-Dichloroethene	96		3.508					ND	
33 Acrylonitrile	53		3.551					ND	
35 Hexane	57		3.715					ND	
139 Halothane	117		3.822					ND	
39 1,1-Dichloroethane	63		3.928					ND	
36 Isopropyl ether	45		3.952					ND	
37 Vinyl acetate	43		3.983					ND	
40 2-Chloro-1,3-butadiene	53		3.995					ND	
38 1,1-Dimethoxyethane	75		4.025					ND	
41 Tert-butyl ethyl ether	59		4.293					ND	
44 2,2-Dichloropropane	77		4.457					ND	
45 cis-1,2-Dichloroethene	96		4.488					ND	
43 2-Butanone (MEK)	43		4.524					ND	
42 Ethyl acetate	43		4.561					ND	
46 Propionitrile	54		4.622					ND	
48 Chlorobromomethane	128		4.719					ND	
47 Methacrylonitrile	41		4.731					ND	
49 Tetrahydrofuran	42		4.755					ND	
50 Chloroform	83		4.798					ND	
51 1,1,1-Trichloroethane	97		4.920					ND	
141 2,4,4-Trimethyl-1-pentene	55		4.930					ND	
52 Cyclohexane	56		4.932					ND	
55 Carbon tetrachloride	117		5.060					ND	
54 1,1-Dichloropropene	75		5.072					ND	
140 2,4,4-Trimethyl-2-pentene	97		5.153					ND	
57 Benzene	78		5.279					ND	
53 Isobutyl alcohol	43		5.279					ND	
152 Isooctane	57		5.279					ND	
58 1,2-Dichloroethane	62		5.339					ND	
147 t-Amyl alcohol	59		5.346					ND	
56 Tert-amyl methyl ether	73		5.358					ND	
59 n-Heptane	43		5.467					ND	
1 1,4-Difluorobenzene	114		5.662					ND	
62 Trichloroethene	95		5.893					ND	
60 n-Butanol	56		5.905					ND	
64 Methylcyclohexane	83		6.015					ND	
142 Ethyl acrylate	55		6.015					ND	
65 1,2-Dichloropropane	63		6.124					ND	
63 Methyl methacrylate	41		6.228					ND	
67 Dibromomethane	93		6.264					ND	
66 1,4-Dioxane	88		6.276					ND	
68 Dichlorobromomethane	83		6.416					ND	
70 2-Nitropropane	43		6.660					ND	
69 2-Chloroethyl vinyl ether	63		6.696					ND	
71 Epichlorohydrin	57		6.787					ND	
72 cis-1,3-Dichloropropene	75		6.836					ND	
73 4-Methyl-2-pentanone (MIBK	43		6.976					ND	
74 Toluene	92		7.128					ND	
76 2-Methylthiophene	97		7.268					ND	
77 trans-1,3-Dichloropropene	75		7.402					ND	
78 3-Methylthiophene	97		7.432					ND	
75 Ethyl methacrylate	69		7.450					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
79 1,1,2-Trichloroethane	83		7.590					ND	
81 Tetrachloroethene	166		7.663					ND	
82 1,3-Dichloropropane	76		7.755					ND	
80 2-Hexanone	43		7.815					ND	
155 n-Butyl acetate	43		7.931					ND	
83 Chlorodibromomethane	129		7.986					ND	
84 Ethylene Dibromide	107		8.095					ND	
146 1-Chlorohexane	55		8.527					ND	
85 3-Chlorobenzotrifluoride	180		8.546					ND	
87 Chlorobenzene	112		8.576					ND	
86 4-Chlorobenzotrifluoride	180		8.606					ND	
89 1,1,1,2-Tetrachloroethane	131		8.673					ND	
88 Ethylbenzene	91		8.673					ND	
90 m-Xylene & p-Xylene	106		8.789					ND	
91 o-Xylene	106		9.221					ND	
92 Styrene	104		9.245					ND	
95 Bromoform	173		9.488					ND	
93 2-Chlorobenzotrifluoride	180		9.525					ND	
94 Isopropylbenzene	105		9.604					ND	
96 Cyclohexanone	55		9.762					ND	
101 Bromobenzene	156		9.939					ND	
97 1,1,2,2-Tetrachloroethane	83		9.987					ND	
100 1,2,3-Trichloropropane	110		10.024					ND	
99 N-Propylbenzene	91		10.024					ND	
98 trans-1,4-Dichloro-2-buten	53		10.030					ND	
103 2-Chlorotoluene	126		10.127					ND	
104 3-Chlorotoluene	126		10.188					ND	
102 1,3,5-Trimethylbenzene	105		10.200					ND	
105 4-Chlorotoluene	126		10.237					ND	
106 tert-Butylbenzene	134		10.517					ND	
107 1,2,4-Trimethylbenzene	105		10.565					ND	
108 Pentachloroethane	167		10.571					ND	
109 sec-Butylbenzene	105		10.723					ND	
111 1,3-Dichlorobenzene	146		10.857					ND	
110 4-Isopropyltoluene	119		10.863					ND	
114 Dicyclopentadiene	66		10.924					ND	
113 1,4-Dichlorobenzene	146		10.942					ND	
112 1,2,3-Trimethylbenzene	105		10.973					ND	
150 Benzyl chloride	126		11.089					ND	
115 n-Butylbenzene	91		11.247					ND	
116 1,2-Dichlorobenzene	146		11.295					ND	
117 1,2-Dibromo-3-Chloropropan	75		12.013					ND	
118 1,3,5-Trichlorobenzene	180		12.153					ND	
119 1,2,4-Trichlorobenzene	180		12.694					ND	
120 Hexachlorobutadiene	225		12.804					ND	
121 Naphthalene	128		12.907					ND	
122 1,2,3-Trichlorobenzene	180		13.108					ND	
149 2-Methylnaphthalene	142		13.814					ND	
138 cis-1,4-Dichloro-2-butene	88		0.000					ND	
136 Nitrobenzene	77		0.000					ND	
135 Hexachloroethane	117		0.000					ND	
144 1-Bromopropane TIC	1		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
143 Propene oxide TIC	1		0.000					ND	
145 Ethylene oxide TIC	1		0.000					ND	
137 Methyl acrylate	1		0.000					ND	
134 Pentachloroethane TIC	1		0.000					ND	
S 125 1,2-Dichloroethene, Total	1		30.000					ND	
S 126 1,3-Dichloropropene, Total	1		30.000					ND	
S 123 Total BTEX	1		30.000					ND	
S 124 Xylenes, Total	1		30.000					ND	
T 156 1-Chloro-1-fluoroethane TI	47		2.000					ND	
T 130 Bromoethane TIC	1		0.000					ND	
T 129 bis(chloromethyl)ether TIC	1		0.000					ND	
T 132 tert-amyl alcohol TIC	1		0.000					ND	
T 131 1-Bromopropane	1		0.000					ND	
T 133 Aziridine TIC	1		0.000					ND	
T 128 Hexachloroethane TIC	1		0.000					ND	
T 127 Ethanol TIC	45		0.000					ND	
T 9 bis(2-chloromethyl)ether T	1		0.000					ND	

Reagents:

S_8260_IS_00272	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00230	Amount Added:	1.00	Units: uL	Run Reagent

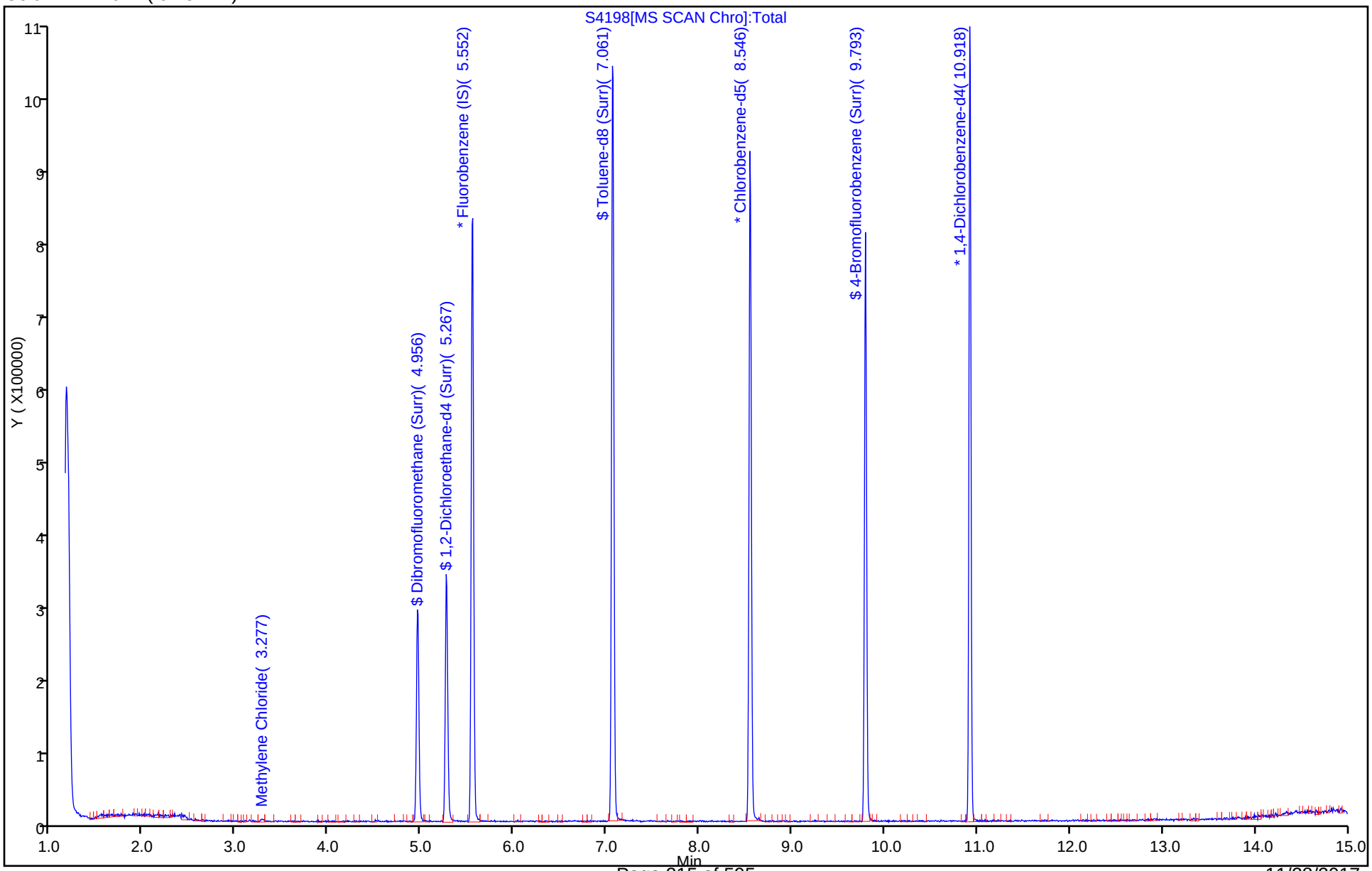
Report Date: 25-Nov-2017 08:45:04 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S4198.D

Injection Date:	24-Nov-2017 20:51:30	Instrument ID:	HP5973S	Operator ID:	KN
Lims ID:	MB			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-127885-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-389077/4

Matrix: Water | Lab File ID: S4196.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 11/24/2017 20:05

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.: 389077 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	27.7		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	26.4		1.0	0.21
79-00-5	1,1,2-Trichloroethane	27.7		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	25.0		1.0	0.31
75-34-3	1,1-Dichloroethane	26.9		1.0	0.38
75-35-4	1,1-Dichloroethene	25.2		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	28.4		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	22.7		1.0	0.39
106-93-4	1,2-Dibromoethane	27.3		1.0	0.73
95-50-1	1,2-Dichlorobenzene	27.9		1.0	0.79
107-06-2	1,2-Dichloroethane	26.7		1.0	0.21
78-87-5	1,2-Dichloropropane	26.2		1.0	0.72
541-73-1	1,3-Dichlorobenzene	27.8		1.0	0.78
106-46-7	1,4-Dichlorobenzene	27.3		1.0	0.84
591-78-6	2-Hexanone	133		5.0	1.2
78-93-3	2-Butanone (MEK)	131		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	126		5.0	2.1
67-64-1	Acetone	139		10	3.0
71-43-2	Benzene	27.4		1.0	0.41
75-27-4	Bromodichloromethane	26.3		1.0	0.39
75-25-2	Bromoform	26.0		1.0	0.26
74-83-9	Bromomethane	28.0		1.0	0.69
75-15-0	Carbon disulfide	27.1		1.0	0.19
56-23-5	Carbon tetrachloride	26.3		1.0	0.27
108-90-7	Chlorobenzene	28.2		1.0	0.75
124-48-1	Dibromochloromethane	25.8		1.0	0.32
75-00-3	Chloroethane	28.4		1.0	0.32
67-66-3	Chloroform	27.6		1.0	0.34
74-87-3	Chloromethane	29.5		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	28.0		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	26.4		1.0	0.36
110-82-7	Cyclohexane	25.8		1.0	0.18
75-71-8	Dichlorodifluoromethane	30.8		1.0	0.68
100-41-4	Ethylbenzene	27.3		1.0	0.74
98-82-8	Isopropylbenzene	27.0		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-127885-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-389077/4

Matrix: Water | Lab File ID: S4196.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 11/24/2017 20:05

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.: 389077 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	43.6		2.5	1.3
1634-04-4	Methyl tert-butyl ether	26.9		1.0	0.16
108-87-2	Methylcyclohexane	29.7		1.0	0.16
75-09-2	Methylene Chloride	26.4		1.0	0.44
100-42-5	Styrene	28.0		1.0	0.73
127-18-4	Tetrachloroethene	28.3		1.0	0.36
108-88-3	Toluene	27.8		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	26.7		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	26.7		1.0	0.37
79-01-6	Trichloroethene	27.8		1.0	0.46
75-69-4	Trichlorofluoromethane	27.5		1.0	0.88
75-01-4	Vinyl chloride	27.4		1.0	0.90
1330-20-7	Xylenes, Total	55.5		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		77-120
2037-26-5	Toluene-d8 (Surr)	99		80-120
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
1868-53-7	Dibromofluoromethane (Surr)	98		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S4196.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 24-Nov-2017 20:05:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: lcs
Misc. Info.: 480-0067526-004
Operator ID: KN Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Nov-2017 08:37:07 Calib Date: 06-Nov-2017 02:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3887.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: nowakk Date: 24-Nov-2017 20:27:53

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	5.546	5.546	0.000	98	142033	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.545	8.546	-0.001	86	288107	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.918	10.924	-0.006	55	294594	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.956	4.956	0.000	81	176784	25.0	24.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.266	5.267	-0.001	0	116947	25.0	25.0	
$ 5 Toluene-d8 (Surr)	98	7.061	7.061	0.000	92	723001	25.0	24.8	
$ 6 4-Bromofluorobenzene (Surr	174	9.793	9.793	0.000	89	237283	25.0	24.4	
10 Dichlorodifluoromethane	85	1.300	1.300	0.000	87	184796	25.0	30.8	
12 Chloromethane	50	1.482	1.482	0.000	99	266365	25.0	29.5	
13 Vinyl chloride	62	1.574	1.568	0.006	94	220523	25.0	27.4	
151 Butadiene	54	1.598	1.592	0.006	91	230531	25.0	30.7	
14 Bromomethane	94	1.902	1.896	0.006	88	132711	25.0	28.0	
15 Chloroethane	64	2.000	1.993	0.007	98	132986	25.0	28.4	
16 Dichlorofluoromethane	67	2.225	2.219	0.006	94	289969	25.0	27.3	
17 Trichlorofluoromethane	101	2.231	2.225	0.006	94	264596	25.0	27.5	
18 Ethyl ether	59	2.535	2.529	0.006	92	183859	25.0	26.1	
20 Acrolein	56	2.711	2.711	0.000	95	179477	125.0	112.4	
21 1,1,2-Trichloro-1,2,2-trif	101	2.742	2.736	0.006	72	130915	25.0	25.0	
22 1,1-Dichloroethene	96	2.754	2.754	0.000	92	170898	25.0	25.2	
23 Acetone	43	2.876	2.870	0.006	98	403370	125.0	139.2	
25 Iodomethane	142	2.924	2.918	0.006	96	281295	25.0	25.4	
26 Carbon disulfide	76	2.955	2.955	0.000	99	534241	25.0	27.1	
28 3-Chloro-1-propene	41	3.131	3.125	0.006	86	308139	25.0	23.4	
27 Methyl acetate	43	3.180	3.180	0.000	95	329102	50.0	43.6	
30 Methylene Chloride	84	3.283	3.277	0.006	97	191384	25.0	26.4	
31 2-Methyl-2-propanol	59	3.441	3.441	0.000	97	172354	250.0	163.0	
32 Methyl tert-butyl ether	73	3.496	3.496	0.000	92	593193	25.0	26.9	
34 trans-1,2-Dichloroethene	96	3.508	3.508	0.000	81	182481	25.0	26.7	
33 Acrylonitrile	53	3.557	3.551	0.006	98	890028	250.0	254.1	
35 Hexane	57	3.715	3.715	0.000	90	300326	25.0	27.1	
39 1,1-Dichloroethane	63	3.928	3.928	0.000	97	337968	25.0	26.9	

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	3.983	3.983	0.000	97	970382	50.0	54.0	
44 2,2-Dichloropropane	77	4.457	4.457	0.000	93	236103	25.0	27.2	
45 cis-1,2-Dichloroethene	96	4.488	4.488	0.000	82	216549	25.0	28.0	
43 2-Butanone (MEK)	43	4.524	4.524	0.000	93	593351	125.0	131.2	
48 Chlorobromomethane	128	4.725	4.719	0.006	97	103935	25.0	27.3	
49 Tetrahydrofuran	42	4.755	4.755	0.000	91	148875	50.0	45.9	
50 Chloroform	83	4.804	4.798	0.006	83	321135	25.0	27.6	
51 1,1,1-Trichloroethane	97	4.920	4.920	0.000	96	268037	25.0	27.7	
52 Cyclohexane	56	4.932	4.932	0.000	92	311468	25.0	25.8	
55 Carbon tetrachloride	117	5.066	5.060	0.006	90	235860	25.0	26.3	
54 1,1-Dichloropropene	75	5.078	5.072	0.006	92	248669	25.0	27.4	
53 Isobutyl alcohol	43	5.279	5.279	0.000	47	287077	625.0	534.1	
57 Benzene	78	5.279	5.279	0.000	97	755545	25.0	27.4	
58 1,2-Dichloroethane	62	5.339	5.339	0.000	78	287478	25.0	26.7	
59 n-Heptane	43	5.467	5.467	0.000	96	343639	25.0	27.4	
62 Trichloroethene	95	5.893	5.893	0.000	96	192862	25.0	27.8	
64 Methylcyclohexane	83	6.015	6.015	0.000	93	318743	25.0	29.7	
65 1,2-Dichloropropane	63	6.130	6.124	0.006	90	199995	25.0	26.2	
67 Dibromomethane	93	6.264	6.264	0.000	88	119586	25.0	27.2	
66 1,4-Dioxane	88	6.282	6.276	0.006	47	46730	500.0	447.6	
68 Dichlorobromomethane	83	6.416	6.416	0.000	98	237713	25.0	26.3	
69 2-Chloroethyl vinyl ether	63	6.696	6.696	0.000	93	134473	25.0	24.5	
72 cis-1,3-Dichloropropene	75	6.836	6.836	0.000	88	292617	25.0	26.4	
73 4-Methyl-2-pentanone (MIBK	43	6.976	6.976	0.000	97	1223583	125.0	125.9	
74 Toluene	92	7.128	7.128	0.000	94	500331	25.0	27.8	
77 trans-1,3-Dichloropropene	75	7.402	7.402	0.000	96	276159	25.0	26.7	
75 Ethyl methacrylate	69	7.450	7.450	0.000	74	264463	25.0	25.4	
79 1,1,2-Trichloroethane	83	7.590	7.590	0.000	91	141731	25.0	27.7	
81 Tetrachloroethene	166	7.663	7.663	0.000	91	225960	25.0	28.3	
82 1,3-Dichloropropane	76	7.755	7.755	0.000	95	305993	25.0	27.1	
80 2-Hexanone	43	7.822	7.815	0.007	81	916681	125.0	132.8	
83 Chlorodibromomethane	129	7.992	7.986	0.006	89	178447	25.0	25.8	
84 Ethylene Dibromide	107	8.095	8.095	0.000	99	180648	25.0	27.3	
87 Chlorobenzene	112	8.576	8.576	0.000	94	571753	25.0	28.2	
88 Ethylbenzene	91	8.667	8.673	-0.006	46	929208	25.0	27.3	
89 1,1,1,2-Tetrachloroethane	131	8.673	8.673	0.000	45	196421	25.0	27.0	
90 m-Xylene & p-Xylene	106	8.795	8.789	0.006	0	363175	25.0	27.9	
91 o-Xylene	106	9.215	9.221	-0.006	97	351610	25.0	27.6	
92 Styrene	104	9.245	9.245	0.000	96	601392	25.0	28.0	
95 Bromoform	173	9.488	9.488	0.000	96	115053	25.0	26.0	
94 Isopropylbenzene	105	9.598	9.604	-0.006	96	907524	25.0	27.0	
101 Bromobenzene	156	9.945	9.939	0.006	93	247162	25.0	27.6	
97 1,1,2,2-Tetrachloroethane	83	9.987	9.987	0.000	90	228293	25.0	26.4	
100 1,2,3-Trichloropropane	110	10.018	10.024	-0.006	50	79183	25.0	26.8	
99 N-Propylbenzene	91	10.024	10.024	0.000	98	1091096	25.0	27.6	
98 trans-1,4-Dichloro-2-buten	53	10.030	10.030	0.000	37	60344	25.0	27.0	
103 2-Chlorotoluene	126	10.127	10.127	0.000	96	225650	25.0	26.5	
102 1,3,5-Trimethylbenzene	105	10.200	10.200	0.000	94	777622	25.0	27.1	
105 4-Chlorotoluene	126	10.237	10.237	0.000	97	238100	25.0	27.8	
106 tert-Butylbenzene	134	10.517	10.517	0.000	91	189955	25.0	28.1	
107 1,2,4-Trimethylbenzene	105	10.565	10.565	0.000	71	805614	25.0	27.2	
109 sec-Butylbenzene	105	10.723	10.723	0.000	94	1000865	25.0	28.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
111 1,3-Dichlorobenzene	146	10.857	10.857	0.000	77	473735	25.0	27.8	
110 4-Isopropyltoluene	119	10.863	10.863	0.000	96	871617	25.0	27.3	
113 1,4-Dichlorobenzene	146	10.942	10.942	0.000	86	480325	25.0	27.3	
115 n-Butylbenzene	91	11.247	11.247	0.000	94	779077	25.0	27.9	
116 1,2-Dichlorobenzene	146	11.295	11.295	0.000	94	455305	25.0	27.9	
117 1,2-Dibromo-3-Chloropropan	75	12.013	12.013	0.000	73	45052	25.0	22.7	
119 1,2,4-Trichlorobenzene	180	12.694	12.694	0.000	95	331905	25.0	28.4	
120 Hexachlorobutadiene	225	12.804	12.804	0.000	97	158871	25.0	28.5	
121 Naphthalene	128	12.907	12.907	0.000	97	857745	25.0	28.1	
122 1,2,3-Trichlorobenzene	180	13.108	13.108	0.000	94	311896	25.0	27.7	

Reagents:

8260 CORP mix_00114	Amount Added: 12.50	Units: uL	
GAS CORP mix_00251	Amount Added: 12.50	Units: uL	
S_8260_IS_00272	Amount Added: 1.00	Units: uL	Run Reagent
S_8260_Surr_00230	Amount Added: 1.00	Units: uL	Run Reagent

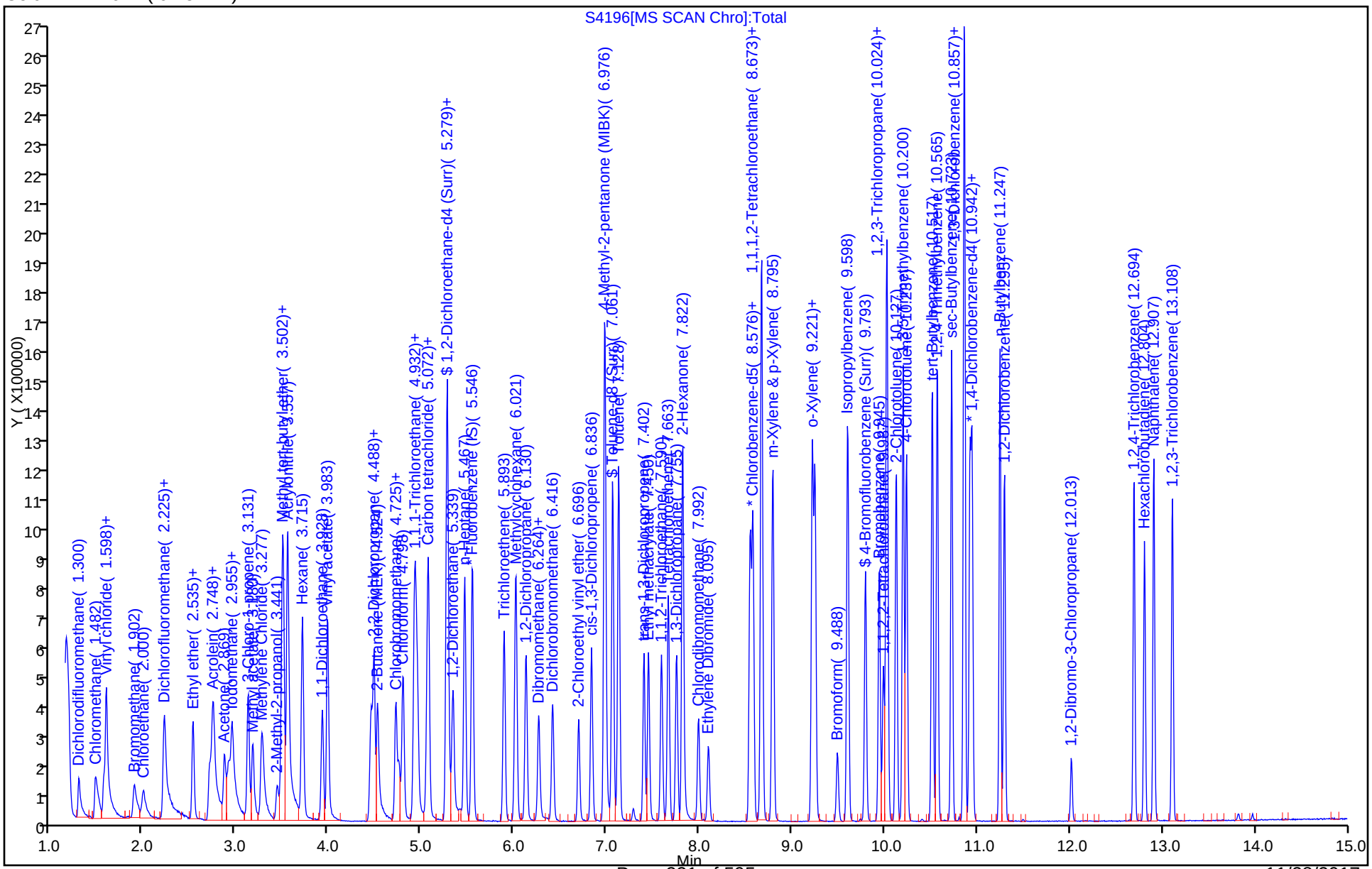
Report Date: 25-Nov-2017 08:37:08 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S4196.D

Injection Date:	24-Nov-2017 20:05:30	Instrument ID:	HP5973S	Operator ID:	KN
Lims ID:	LCS			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-127885-1

SDG No.:

Client Sample ID: MW-5R MS | Lab Sample ID: 480-127885-3 MS

Matrix: Water | Lab File ID: S4216.D

Analysis Method: 8260C | Date Collected: 11/20/2017 14:00

Sample wt/vol: 5(mL) | Date Analyzed: 11/25/2017 04:08

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.: 389077 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	29.6		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	26.3		1.0	0.21
79-00-5	1,1,2-Trichloroethane	28.7		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	26.1		1.0	0.31
75-34-3	1,1-Dichloroethane	29.5		1.0	0.38
75-35-4	1,1-Dichloroethene	27.5		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	29.3		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	22.7		1.0	0.39
106-93-4	1,2-Dibromoethane	28.4		1.0	0.73
95-50-1	1,2-Dichlorobenzene	29.4		1.0	0.79
107-06-2	1,2-Dichloroethane	27.5		1.0	0.21
78-87-5	1,2-Dichloropropane	27.1		1.0	0.72
541-73-1	1,3-Dichlorobenzene	28.6		1.0	0.78
106-46-7	1,4-Dichlorobenzene	28.8		1.0	0.84
591-78-6	2-Hexanone	129		5.0	1.2
78-93-3	2-Butanone (MEK)	128		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	128		5.0	2.1
67-64-1	Acetone	126		10	3.0
71-43-2	Benzene	29.2		1.0	0.41
75-27-4	Bromodichloromethane	27.0		1.0	0.39
75-25-2	Bromoform	26.7		1.0	0.26
74-83-9	Bromomethane	31.4		1.0	0.69
75-15-0	Carbon disulfide	27.8		1.0	0.19
56-23-5	Carbon tetrachloride	28.3		1.0	0.27
108-90-7	Chlorobenzene	29.2		1.0	0.75
124-48-1	Dibromochloromethane	27.6		1.0	0.32
75-00-3	Chloroethane	32.9		1.0	0.32
67-66-3	Chloroform	29.1		1.0	0.34
74-87-3	Chloromethane	32.8		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	29.0		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	26.6		1.0	0.36
110-82-7	Cyclohexane	27.4		1.0	0.18
75-71-8	Dichlorodifluoromethane	37.2		1.0	0.68
100-41-4	Ethylbenzene	29.3		1.0	0.74
98-82-8	Isopropylbenzene	28.6		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-127885-1

SDG No.:

Client Sample ID: MW-5R MS | Lab Sample ID: 480-127885-3 MS

Matrix: Water | Lab File ID: S4216.D

Analysis Method: 8260C | Date Collected: 11/20/2017 14:00

Sample wt/vol: 5(mL) | Date Analyzed: 11/25/2017 04:08

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.: 389077 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	45.0		2.5	1.3
1634-04-4	Methyl tert-butyl ether	27.2		1.0	0.16
108-87-2	Methylcyclohexane	31.7		1.0	0.16
75-09-2	Methylene Chloride	28.0		1.0	0.44
100-42-5	Styrene	29.5		1.0	0.73
127-18-4	Tetrachloroethene	31.1		1.0	0.36
108-88-3	Toluene	29.8		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	30.8		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	26.6		1.0	0.37
79-01-6	Trichloroethene	31.1		1.0	0.46
75-69-4	Trichlorofluoromethane	31.2		1.0	0.88
75-01-4	Vinyl chloride	31.9		1.0	0.90
1330-20-7	Xylenes, Total	59.1		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		77-120
2037-26-5	Toluene-d8 (Surr)	101		80-120
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S4216.D
Lims ID: 480-127885-C-3 MS
Client ID: MW-5R
Sample Type: MS
Inject. Date: 25-Nov-2017 04:08:30 ALS Bottle#: 24 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-127885-c-3 ms
Misc. Info.: 480-0067526-024
Operator ID: KN Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Nov-2017 09:13:48 Calib Date: 06-Nov-2017 02:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3887.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: reiler Date: 25-Nov-2017 09:13:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.546	5.546	0.000	98	136499	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.546	8.546	0.000	86	274132	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.924	10.924	0.000	65	284868	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.956	4.956	0.000	82	176843	25.0	25.6	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.267	5.267	0.000	0	111357	25.0	24.8	
$ 5 Toluene-d8 (Surr)	98	7.061	7.061	0.000	92	698065	25.0	25.1	
$ 6 4-Bromofluorobenzene (Surr	174	9.793	9.793	0.000	89	234948	25.0	25.4	
10 Dichlorodifluoromethane	85	1.300	1.300	0.000	97	215046	25.0	37.2	M
12 Chloromethane	50	1.483	1.482	0.001	88	284982	25.0	32.8	
13 Vinyl chloride	62	1.574	1.568	0.006	95	247107	25.0	31.9	
14 Bromomethane	94	1.896	1.896	0.000	90	143300	25.0	31.4	
15 Chloroethane	64	2.000	1.993	0.007	97	148066	25.0	32.9	
17 Trichlorofluoromethane	101	2.225	2.225	0.000	94	289414	25.0	31.2	
21 1,1,2-Trichloro-1,2,2-trif	101	2.736	2.736	0.000	89	131580	25.0	26.1	
22 1,1-Dichloroethene	96	2.754	2.754	0.000	92	179123	25.0	27.5	
23 Acetone	43	2.876	2.870	0.006	98	351281	125.0	126.2	
26 Carbon disulfide	76	2.955	2.955	0.000	99	526222	25.0	27.8	
27 Methyl acetate	43	3.180	3.180	0.000	95	326404	50.0	45.0	
30 Methylene Chloride	84	3.277	3.277	0.000	98	194752	25.0	28.0	
32 Methyl tert-butyl ether	73	3.496	3.496	0.000	92	576223	25.0	27.2	
34 trans-1,2-Dichloroethene	96	3.508	3.508	0.000	83	202203	25.0	30.8	
39 1,1-Dichloroethane	63	3.928	3.928	0.000	97	355337	25.0	29.5	
45 cis-1,2-Dichloroethene	96	4.488	4.488	0.000	81	215263	25.0	29.0	
43 2-Butanone (MEK)	43	4.524	4.524	0.000	93	554770	125.0	127.6	
50 Chloroform	83	4.798	4.798	0.000	85	324788	25.0	29.1	
51 1,1,1-Trichloroethane	97	4.920	4.920	0.000	95	275493	25.0	29.6	
52 Cyclohexane	56	4.938	4.932	0.006	92	318718	25.0	27.4	
55 Carbon tetrachloride	117	5.060	5.060	0.000	92	243835	25.0	28.3	
57 Benzene	78	5.279	5.279	0.000	97	775783	25.0	29.2	
58 1,2-Dichloroethane	62	5.340	5.339	0.001	78	284159	25.0	27.5	
62 Trichloroethene	95	5.893	5.893	0.000	96	207423	25.0	31.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83	6.021	6.015	0.006	93	326224	25.0	31.7	
65 1,2-Dichloropropane	63	6.130	6.124	0.006	91	198469	25.0	27.1	
68 Dichlorobromomethane	83	6.416	6.416	0.000	97	234241	25.0	27.0	
72 cis-1,3-Dichloropropene	75	6.836	6.836	0.000	88	283125	25.0	26.6	
73 4-Methyl-2-pentanone (MIBK	43	6.976	6.976	0.000	98	1184486	125.0	128.0	
74 Toluene	92	7.128	7.128	0.000	94	509976	25.0	29.8	
77 trans-1,3-Dichloropropene	75	7.402	7.402	0.000	97	262496	25.0	26.6	
79 1,1,2-Trichloroethane	83	7.590	7.590	0.000	94	139730	25.0	28.7	
81 Tetrachloroethene	166	7.663	7.663	0.000	92	236842	25.0	31.1	
80 2-Hexanone	43	7.816	7.815	0.001	81	845355	125.0	128.7	
83 Chlorodibromomethane	129	7.992	7.986	0.006	89	181404	25.0	27.6	
84 Ethylene Dibromide	107	8.095	8.095	0.000	99	178648	25.0	28.4	
87 Chlorobenzene	112	8.576	8.576	0.000	94	563544	25.0	29.2	
88 Ethylbenzene	91	8.667	8.673	-0.006	46	948203	25.0	29.3	
90 m-Xylene & p-Xylene	106	8.795	8.789	0.006	0	368875		29.8	
91 o-Xylene	106	9.221	9.221	0.000	97	355204		29.3	
92 Styrene	104	9.245	9.245	0.000	96	601433	25.0	29.5	
95 Bromoform	173	9.489	9.488	0.001	96	112541	25.0	26.7	
94 Isopropylbenzene	105	9.598	9.604	-0.006	96	930285	25.0	28.6	
97 1,1,2,2-Tetrachloroethane	83	9.987	9.987	0.000	89	219326	25.0	26.3	
111 1,3-Dichlorobenzene	146	10.857	10.857	0.000	75	472574	25.0	28.6	
113 1,4-Dichlorobenzene	146	10.943	10.942	0.001	95	489297	25.0	28.8	
116 1,2-Dichlorobenzene	146	11.289	11.295	-0.006	92	463216	25.0	29.4	
117 1,2-Dibromo-3-Chloropropan	75	12.013	12.013	0.000	73	43599	25.0	22.7	
119 1,2,4-Trichlorobenzene	180	12.695	12.694	0.001	95	330379	25.0	29.3	
S 124 Xylenes, Total	1				0			59.1	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GAS CORP mix_00251	Amount Added:	12.50	Units: uL	
8260 CORP mix_00114	Amount Added:	12.50	Units: uL	
S_8260_IS_00272	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00230	Amount Added:	1.00	Units: uL	Run Reagent

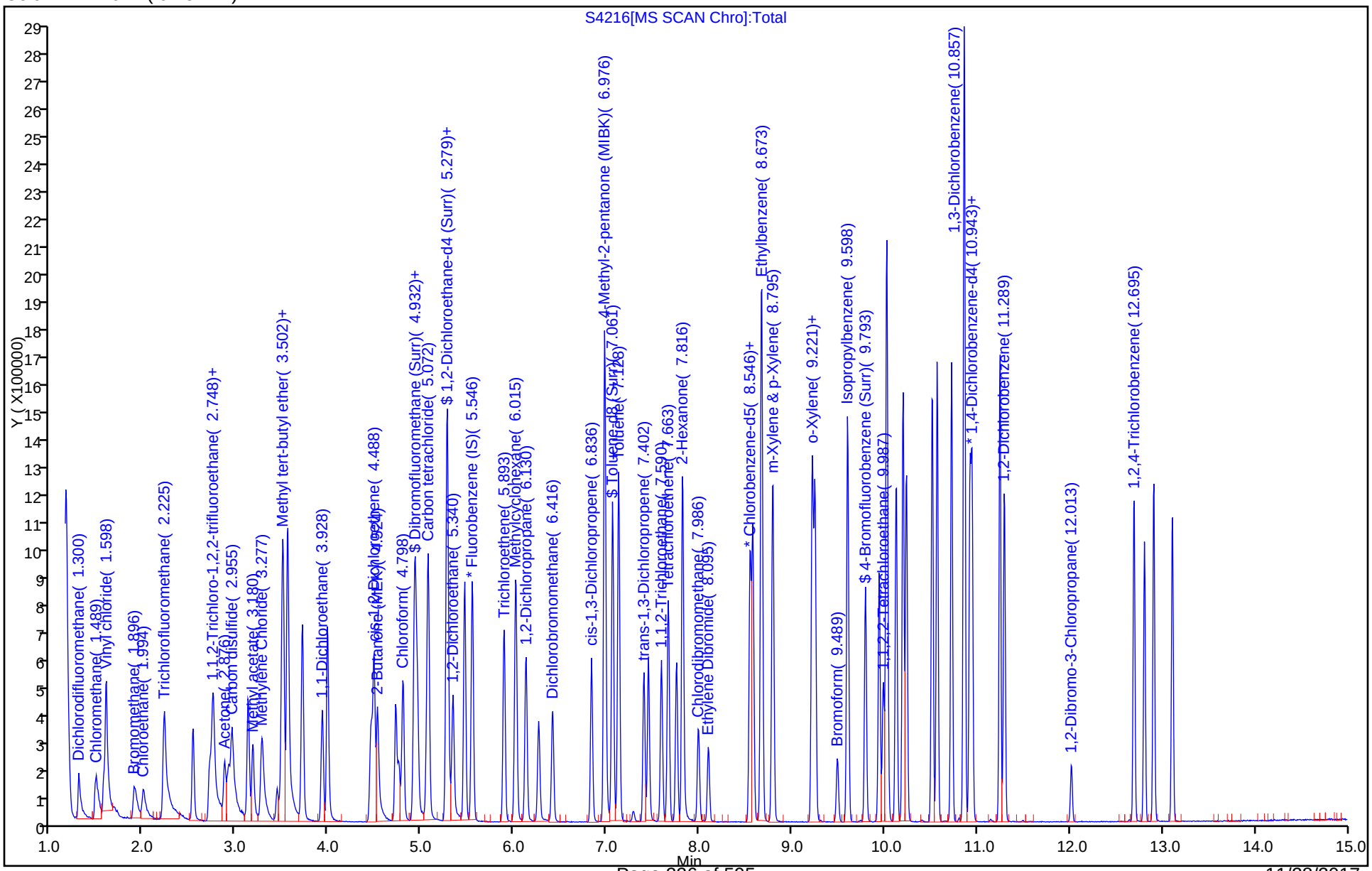
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TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S4216.D

Injection Date:	25-Nov-2017 04:08:30	Instrument ID:	HP5973S	Operator ID:	KN
Lims ID:	480-127885-C-3 MS			Worklist Smp#:	24
Client ID:	MW-5R				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo

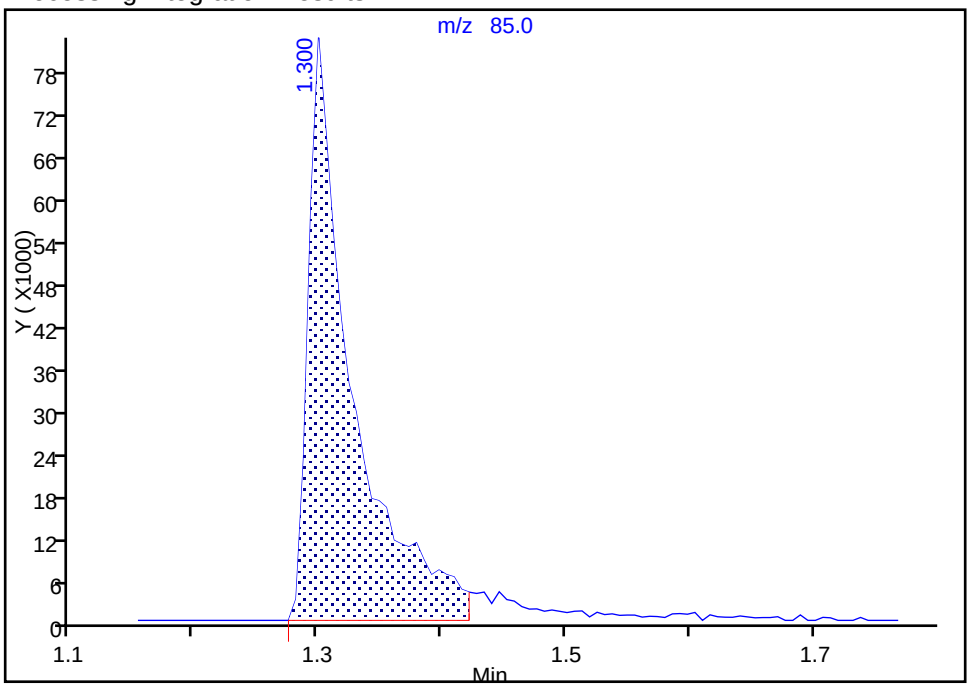
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Injection Date:	25-Nov-2017 04:08:30	Instrument ID:	HP5973S		
Lims ID:	480-127885-C-3 MS				
Client ID:	MW-5R				
Operator ID:	KN	ALS Bottle#:	24	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

10 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

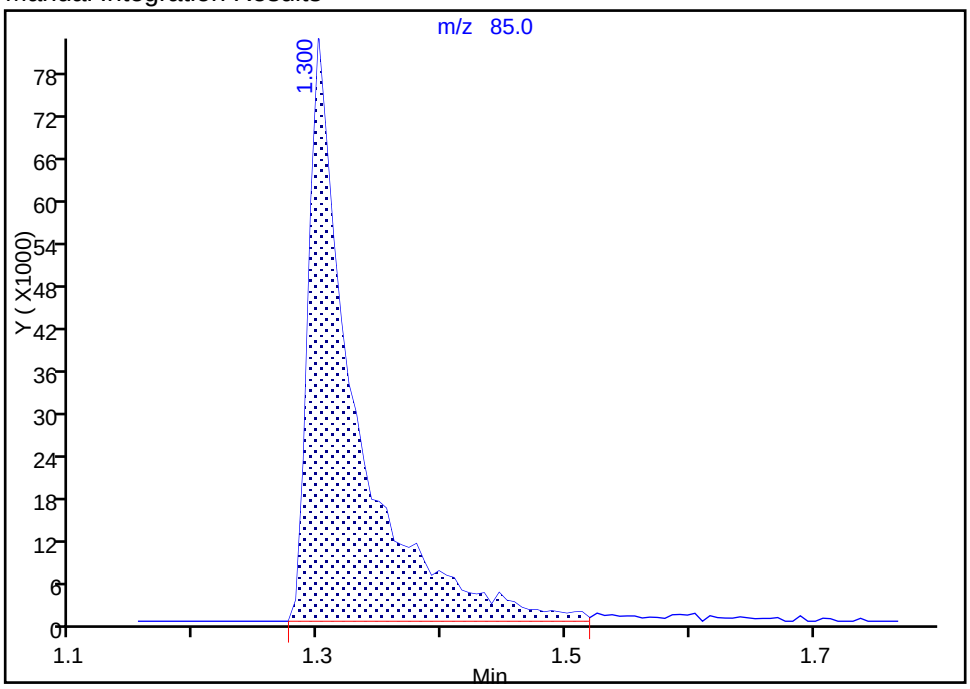
Processing Integration Results

RT: 1.30
Area: 202873
Amount: 35.127622
Amount Units: ug/L



Manual Integration Results

RT: 1.30
Area: 215046
Amount: 37.189627
Amount Units: ug/L



Reviewer: reiler, 25-Nov-2017 09:12:02
Audit Action: Manually Integrated Audit Reason: Peak Tail

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-127885-1

SDG No.:

Client Sample ID: MW-5R MSD | Lab Sample ID: 480-127885-3 MSD

Matrix: Water | Lab File ID: S4217.D

Analysis Method: 8260C | Date Collected: 11/20/2017 14:00

Sample wt/vol: 5(mL) | Date Analyzed: 11/25/2017 04:32

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.: 389077 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	27.7		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	26.3		1.0	0.21
79-00-5	1,1,2-Trichloroethane	26.4		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	26.2		1.0	0.31
75-34-3	1,1-Dichloroethane	27.2		1.0	0.38
75-35-4	1,1-Dichloroethene	25.3		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	28.2		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	23.1		1.0	0.39
106-93-4	1,2-Dibromoethane	26.9		1.0	0.73
95-50-1	1,2-Dichlorobenzene	27.6		1.0	0.79
107-06-2	1,2-Dichloroethane	26.2		1.0	0.21
78-87-5	1,2-Dichloropropane	25.3		1.0	0.72
541-73-1	1,3-Dichlorobenzene	27.6		1.0	0.78
106-46-7	1,4-Dichlorobenzene	27.4		1.0	0.84
591-78-6	2-Hexanone	128		5.0	1.2
78-93-3	2-Butanone (MEK)	128		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	127		5.0	2.1
67-64-1	Acetone	125		10	3.0
71-43-2	Benzene	27.2		1.0	0.41
75-27-4	Bromodichloromethane	25.6		1.0	0.39
75-25-2	Bromoform	24.9		1.0	0.26
74-83-9	Bromomethane	32.3		1.0	0.69
75-15-0	Carbon disulfide	25.5		1.0	0.19
56-23-5	Carbon tetrachloride	26.6		1.0	0.27
108-90-7	Chlorobenzene	27.1		1.0	0.75
124-48-1	Dibromochloromethane	26.0		1.0	0.32
75-00-3	Chloroethane	32.6		1.0	0.32
67-66-3	Chloroform	27.0		1.0	0.34
74-87-3	Chloromethane	32.6		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	26.9		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	25.7		1.0	0.36
110-82-7	Cyclohexane	26.7		1.0	0.18
75-71-8	Dichlorodifluoromethane	36.6		1.0	0.68
100-41-4	Ethylbenzene	26.6		1.0	0.74
98-82-8	Isopropylbenzene	27.4		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-127885-1

SDG No.:

Client Sample ID: MW-5R MSD | Lab Sample ID: 480-127885-3 MSD

Matrix: Water | Lab File ID: S4217.D

Analysis Method: 8260C | Date Collected: 11/20/2017 14:00

Sample wt/vol: 5(mL) | Date Analyzed: 11/25/2017 04:32

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.: 389077 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	41.0		2.5	1.3
1634-04-4	Methyl tert-butyl ether	26.3		1.0	0.16
108-87-2	Methylcyclohexane	29.8		1.0	0.16
75-09-2	Methylene Chloride	26.4		1.0	0.44
100-42-5	Styrene	27.0		1.0	0.73
127-18-4	Tetrachloroethene	27.9		1.0	0.36
108-88-3	Toluene	26.7		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	28.3		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	25.3		1.0	0.37
79-01-6	Trichloroethene	28.2		1.0	0.46
75-69-4	Trichlorofluoromethane	32.5		1.0	0.88
75-01-4	Vinyl chloride	33.3		1.0	0.90
1330-20-7	Xylenes, Total	53.8		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		77-120
2037-26-5	Toluene-d8 (Surr)	98		80-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	100		75-123

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S4217.D
Lims ID: 480-127885-C-3 MSD
Client ID: MW-5R
Sample Type: MSD
Inject. Date: 25-Nov-2017 04:32:30 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-127885-c-3 msd
Misc. Info.: 480-0067526-025
Operator ID: KN Instrument ID: HP5973S

Method: \\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 25-Nov-2017 09:14:51 Calib Date: 06-Nov-2017 02:40:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973S\20171105-67029.b\S3887.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: reiler Date: 25-Nov-2017 09:14:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	5.546	5.546	0.000	98	134773	25.0	25.0	
* 2 Chlorobenzene-d5	82	8.546	8.546	0.000	84	275763	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.918	10.924	-0.006	59	276916	25.0	25.0	
$ 154 Dibromofluoromethane (Surr	113	4.956	4.956	0.000	82	170356	25.0	25.0	
$ 4 1,2-Dichloroethane-d4 (Sur	67	5.267	5.267	0.000	0	107489	25.0	24.2	
$ 5 Toluene-d8 (Surr)	98	7.061	7.061	0.000	92	685166	25.0	24.5	
$ 6 4-Bromofluorobenzene (Surr	174	9.793	9.793	0.000	90	229112	25.0	24.6	
10 Dichlorodifluoromethane	85	1.294	1.300	-0.006	98	209060	25.0	36.6	M
12 Chloromethane	50	1.483	1.482	0.001	99	279224	25.0	32.6	
13 Vinyl chloride	62	1.568	1.568	0.000	94	255147	25.0	33.3	
14 Bromomethane	94	1.896	1.896	0.000	89	145619	25.0	32.3	
15 Chloroethane	64	2.000	1.993	0.007	94	145044	25.0	32.6	
17 Trichlorofluoromethane	101	2.219	2.225	-0.006	94	298394	25.0	32.5	
21 1,1,2-Trichloro-1,2,2-trif	101	2.736	2.736	0.000	73	130022	25.0	26.2	M
22 1,1-Dichloroethene	96	2.748	2.754	-0.006	93	163045	25.0	25.3	M
23 Acetone	43	2.870	2.870	0.000	99	344188	125.0	125.2	
26 Carbon disulfide	76	2.949	2.955	-0.006	100	476225	25.0	25.5	
27 Methyl acetate	43	3.174	3.180	-0.006	95	293445	50.0	41.0	
30 Methylene Chloride	84	3.277	3.277	0.000	95	181390	25.0	26.4	
32 Methyl tert-butyl ether	73	3.496	3.496	0.000	91	549676	25.0	26.3	
34 trans-1,2-Dichloroethene	96	3.502	3.502	-0.006	69	183986	25.0	28.3	M
39 1,1-Dichloroethane	63	3.928	3.928	0.000	96	323498	25.0	27.2	
45 cis-1,2-Dichloroethene	96	4.488	4.488	0.000	79	197187	25.0	26.9	
43 2-Butanone (MEK)	43	4.524	4.524	0.000	94	551339	125.0	128.5	
50 Chloroform	83	4.798	4.798	0.000	84	297791	25.0	27.0	
51 1,1,1-Trichloroethane	97	4.920	4.920	0.000	95	254440	25.0	27.7	
52 Cyclohexane	56	4.932	4.932	0.000	93	305652	25.0	26.7	
55 Carbon tetrachloride	117	5.060	5.060	0.000	90	225609	25.0	26.6	
57 Benzene	78	5.279	5.279	0.000	97	713578	25.0	27.2	
58 1,2-Dichloroethane	62	5.340	5.339	0.001	79	267437	25.0	26.2	
62 Trichloroethene	95	5.893	5.893	0.000	97	185807	25.0	28.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83	6.015	6.015	0.000	93	302947	25.0	29.8	
65 1,2-Dichloropropane	63	6.124	6.124	0.000	90	183213	25.0	25.3	
68 Dichlorobromomethane	83	6.416	6.416	0.000	96	219606	25.0	25.6	
72 cis-1,3-Dichloropropene	75	6.836	6.836	0.000	89	270084	25.0	25.7	
73 4-Methyl-2-pentanone (MIBK	43	6.976	6.976	0.000	98	1181367	125.0	126.9	
74 Toluene	92	7.128	7.128	0.000	94	460049	25.0	26.7	
77 trans-1,3-Dichloropropene	75	7.402	7.402	0.000	97	250723	25.0	25.3	
79 1,1,2-Trichloroethane	83	7.590	7.590	0.000	92	129223	25.0	26.4	
81 Tetrachloroethene	166	7.663	7.663	0.000	88	213135	25.0	27.9	
80 2-Hexanone	43	7.816	7.815	0.001	82	848197	125.0	128.4	
83 Chlorodibromomethane	129	7.986	7.986	0.000	86	171792	25.0	26.0	
84 Ethylene Dibromide	107	8.095	8.095	0.000	97	170124	25.0	26.9	
87 Chlorobenzene	112	8.576	8.576	0.000	92	525354	25.0	27.1	
88 Ethylbenzene	91	8.667	8.673	-0.006	36	866451	25.0	26.6	
90 m-Xylene & p-Xylene	106	8.795	8.789	0.006	0	334834		26.9	
91 o-Xylene	106	9.221	9.221	0.000	97	327897		26.9	
92 Styrene	104	9.245	9.245	0.000	95	553561	25.0	27.0	
95 Bromoform	173	9.489	9.488	0.001	96	105434	25.0	24.9	
94 Isopropylbenzene	105	9.598	9.604	-0.006	96	867860	25.0	27.4	
97 1,1,2,2-Tetrachloroethane	83	9.987	9.987	0.000	88	213748	25.0	26.3	
111 1,3-Dichlorobenzene	146	10.857	10.857	0.000	74	442356	25.0	27.6	
113 1,4-Dichlorobenzene	146	10.943	10.942	0.001	93	453292	25.0	27.4	
116 1,2-Dichlorobenzene	146	11.295	11.295	0.000	93	422944	25.0	27.6	
117 1,2-Dibromo-3-Chloropropan	75	12.013	12.013	0.000	77	43094	25.0	23.1	
119 1,2,4-Trichlorobenzene	180	12.695	12.694	0.001	92	310039	25.0	28.2	
S 124 Xylenes, Total	1				0			53.7	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00114	Amount Added:	12.50	Units: uL	
GAS CORP mix_00251	Amount Added:	12.50	Units: uL	
S_8260_IS_00272	Amount Added:	1.00	Units: uL	Run Reagent
S_8260_Surr_00230	Amount Added:	1.00	Units: uL	Run Reagent

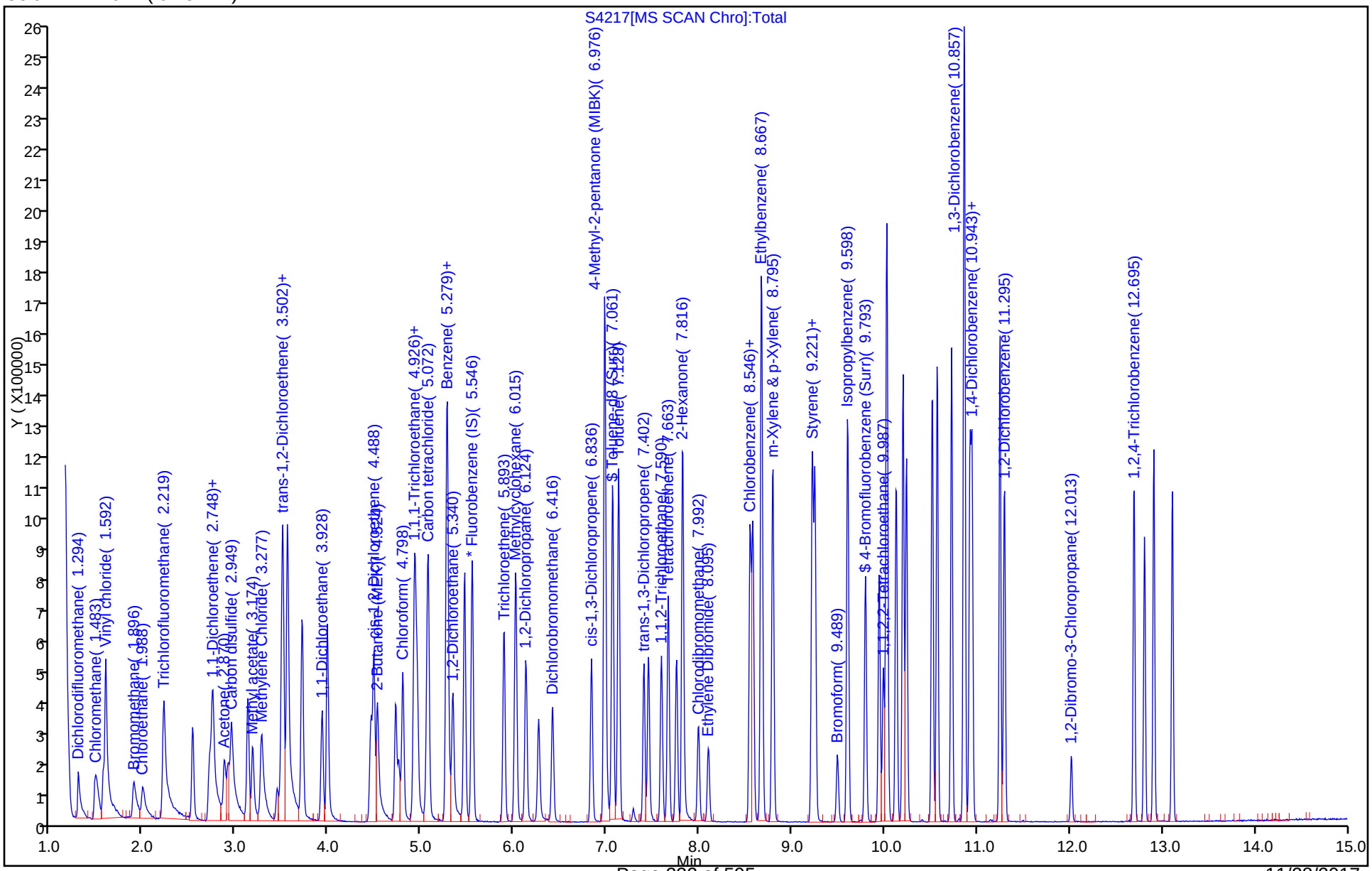
Report Date: 25-Nov-2017 09:14:51 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S4217.D

Injection Date:	25-Nov-2017 04:32:30	Instrument ID:	HP5973S	Operator ID:	KN
Lims ID:	480-127885-C-3 MSD			Worklist Smp#:	25
Client ID:	MW-5R				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

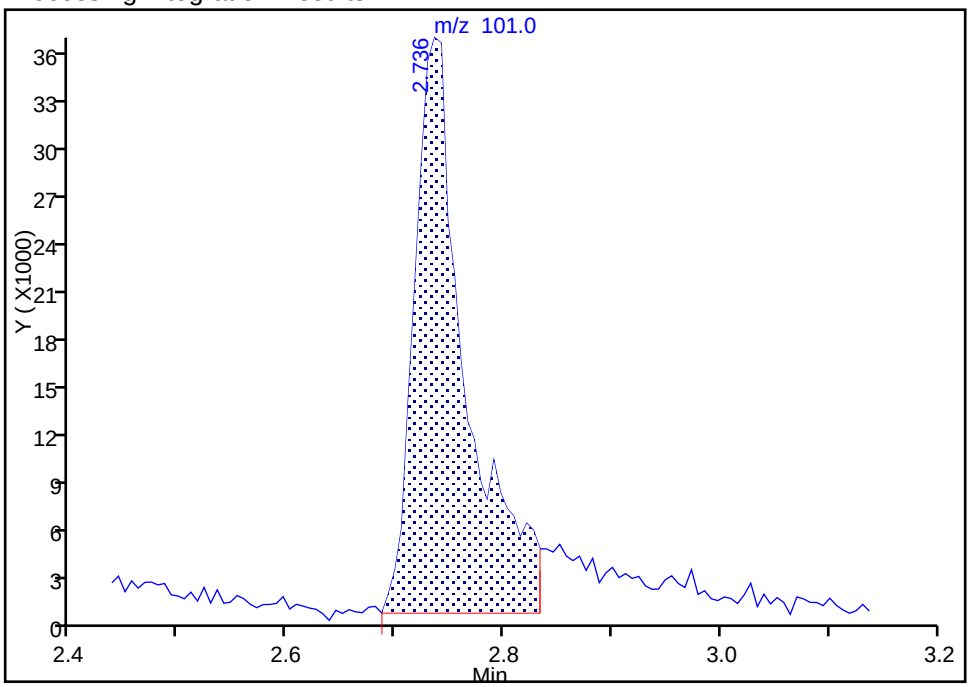
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Injection Date:	25-Nov-2017 04:32:30	Instrument ID:	HP5973S		
Lims ID:	480-127885-C-3 MSD				
Client ID:	MW-5R				
Operator ID:	KN	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Signal: 1

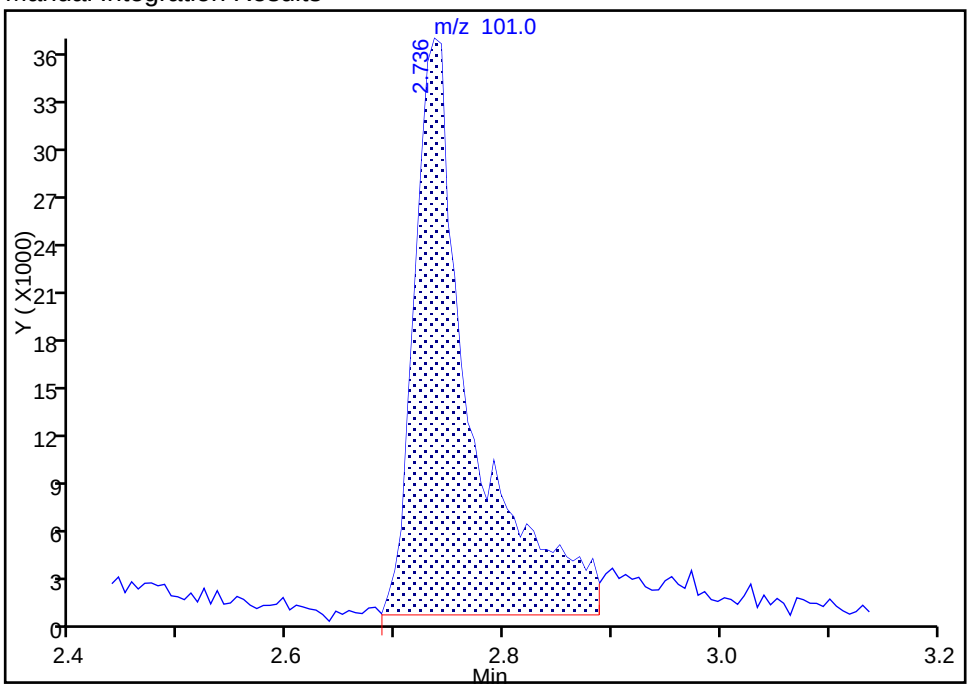
Processing Integration Results

RT: 2.74
Area: 118264
Amount: 23.848854
Amount Units: ug/L



Manual Integration Results

RT: 2.74
Area: 130022
Amount: 26.168535
Amount Units: ug/L



Reviewer: reiler, 25-Nov-2017 09:13:08

Audit Action: Split an Integrated Peak Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

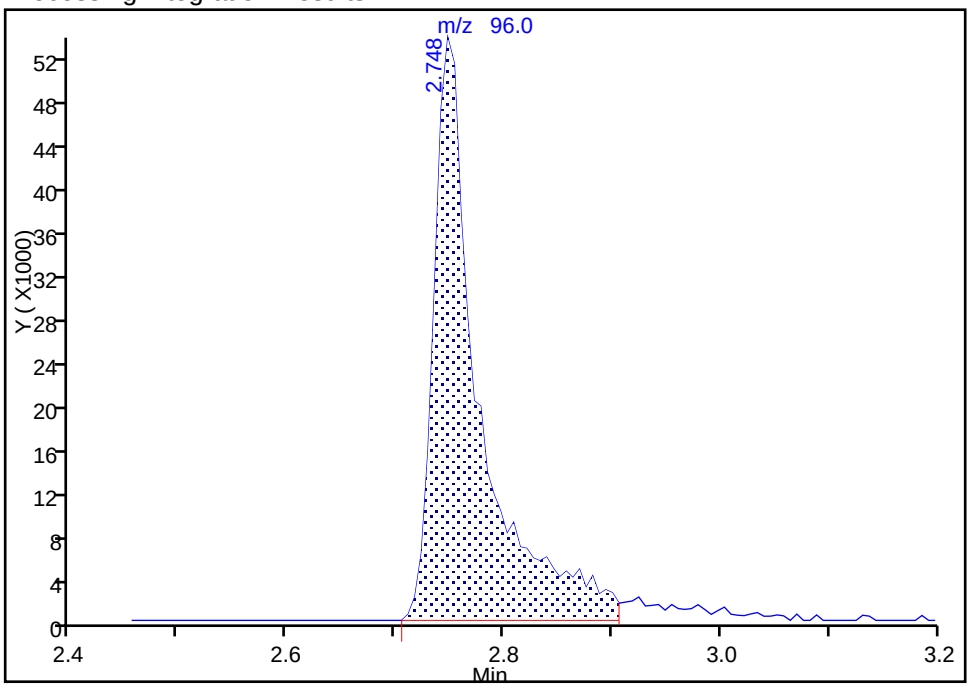
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Injection Date:	25-Nov-2017 04:32:30	Instrument ID:	HP5973S		
Lims ID:	480-127885-C-3 MSD				
Client ID:	MW-5R				
Operator ID:	KN	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

22 1,1-Dichloroethene, CAS: 75-35-4

Signal: 1

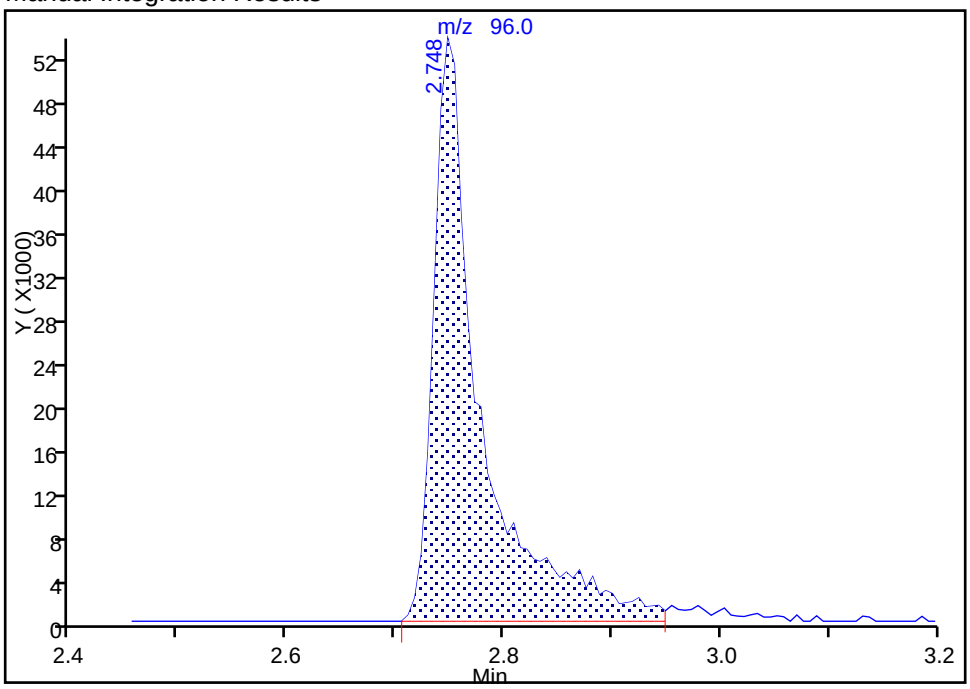
Processing Integration Results

RT: 2.75
Area: 159109
Amount: 24.744798
Amount Units: ug/L



Manual Integration Results

RT: 2.75
Area: 163045
Amount: 25.349049
Amount Units: ug/L



Reviewer: reiler, 25-Nov-2017 09:13:42

Audit Action: Split an Integrated Peak Audit Reason: Poor chromatography

TestAmerica Buffalo

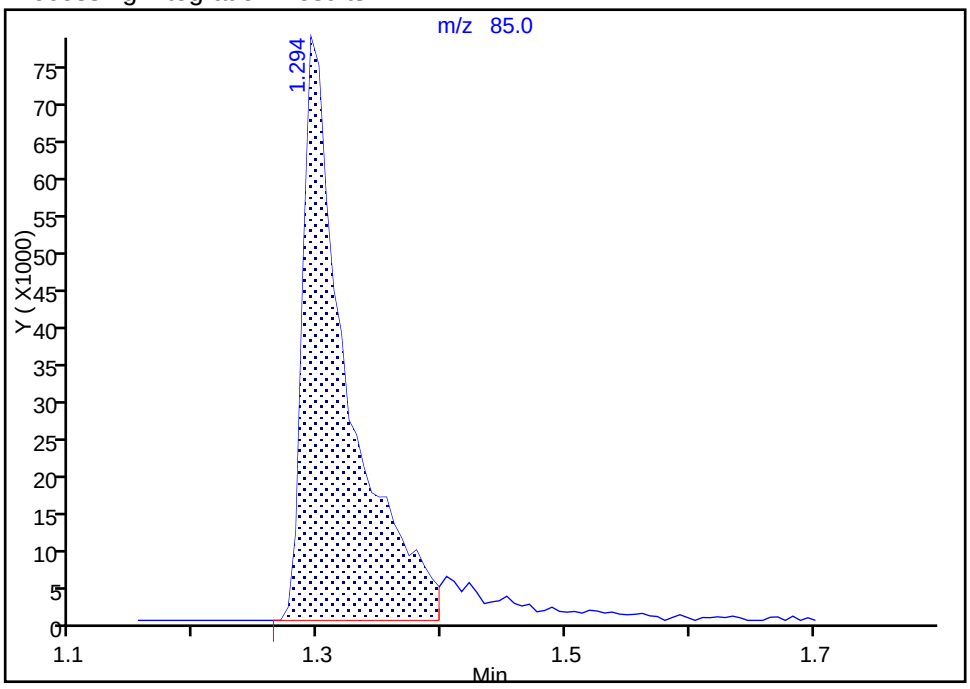
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Injection Date: 25-Nov-2017 04:32:30 Instrument ID: HP5973S
Lims ID: 480-127885-C-3 MSD
Client ID: MW-5R
Operator ID: KN ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

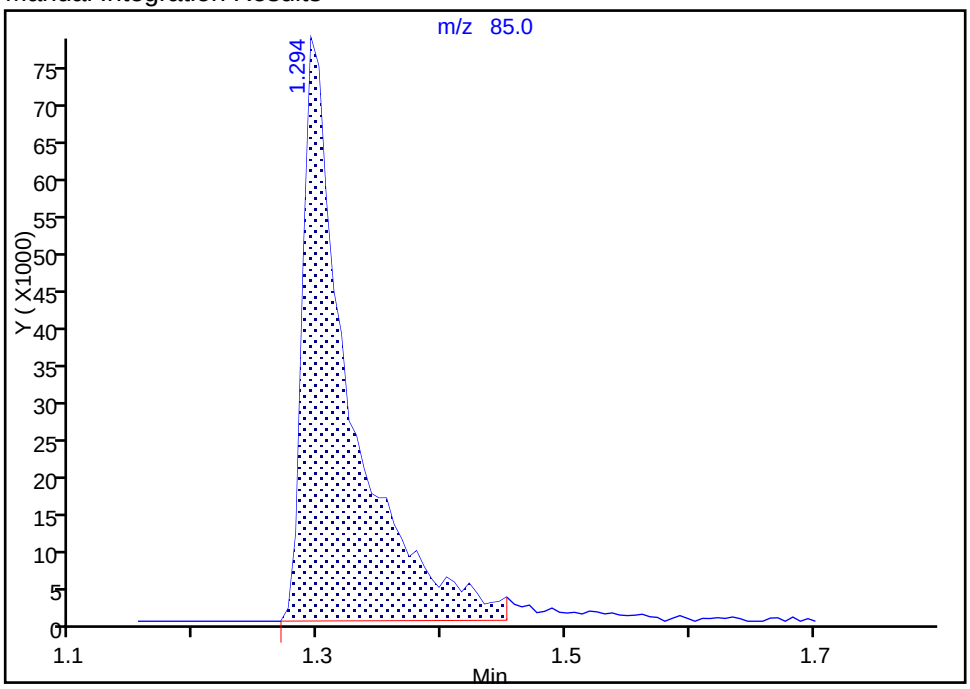
Processing Integration Results

RT: 1.29
Area: 197249
Amount: 34.602865
Amount Units: ug/L



Manual Integration Results

RT: 1.29
Area: 209060
Amount: 36.629173
Amount Units: ug/L



Reviewer: reiler, 25-Nov-2017 09:12:26
Audit Action: Manually Integrated Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

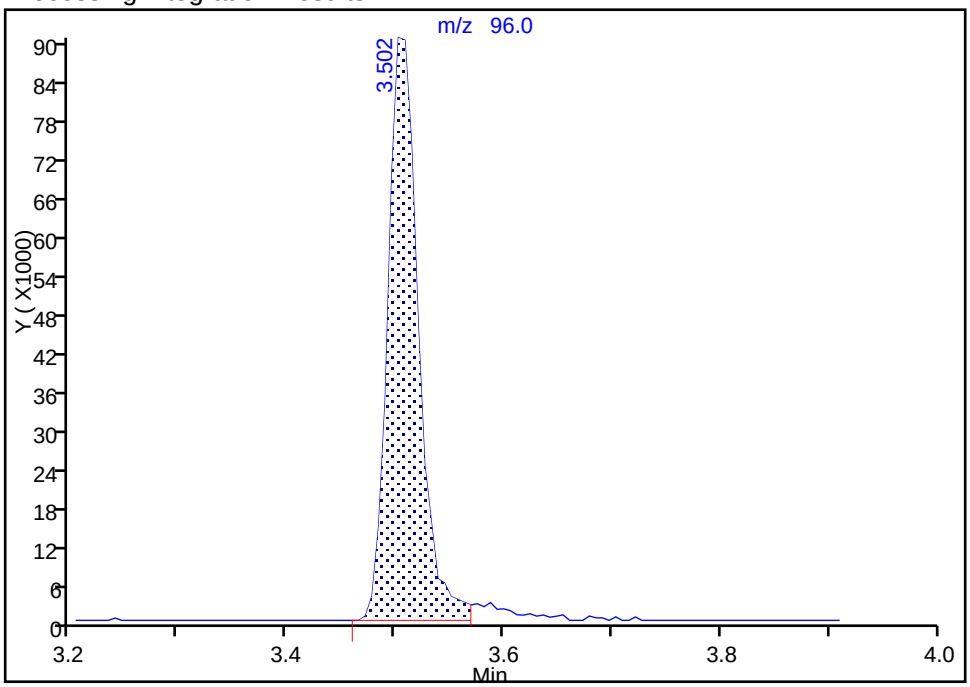
Data File:	\\ChromNA\Buffalo\ChromData\HP5973S\20171124-67526.b\S4217.D				
Injection Date:	25-Nov-2017 04:32:30	Instrument ID:	HP5973S		
Lims ID:	480-127885-C-3 MSD				
Client ID:	MW-5R				
Operator ID:	KN	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

34 trans-1,2-Dichloroethene, CAS: 156-60-5

Signal: 1

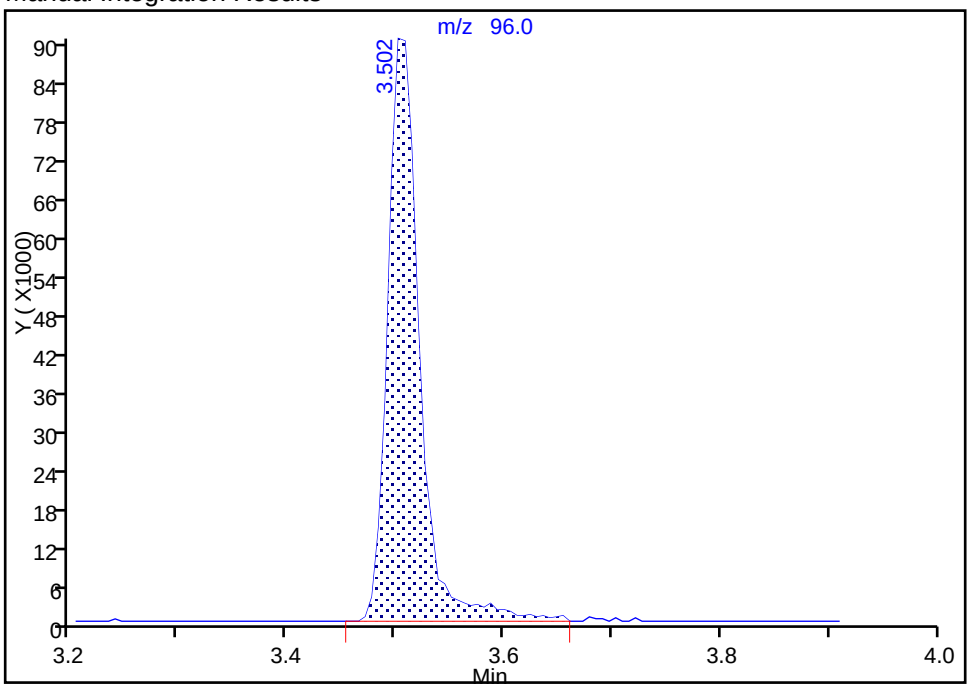
Processing Integration Results

RT: 3.50
Area: 177186
Amount: 27.299238
Amount Units: ug/L



Manual Integration Results

RT: 3.50
Area: 183986
Amount: 28.346921
Amount Units: ug/L



Reviewer: reiler, 25-Nov-2017 09:14:31

Audit Action: Manually Integrated Audit Reason: Peak Tail

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Instrument ID: HP5973S Start Date: 11/05/2017 18:55

Analysis Batch Number: 385713 End Date: 11/06/2017 04:12

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-385713/6		11/05/2017 18:55	1	S3867.D	ZB-624 (20) 0.18(mm)
IC 480-385713/8		11/05/2017 19:42	1	S3869.D	ZB-624 (20) 0.18(mm)
IC 480-385713/9		11/05/2017 20:05	1	S3870.D	ZB-624 (20) 0.18(mm)
IC 480-385713/10		11/05/2017 20:28	1	S3871.D	ZB-624 (20) 0.18(mm)
IC 480-385713/11		11/05/2017 20:52	1	S3872.D	ZB-624 (20) 0.18(mm)
IC 480-385713/12		11/05/2017 21:15	1	S3873.D	ZB-624 (20) 0.18(mm)
ICIS 480-385713/13		11/05/2017 21:38	1	S3874.D	ZB-624 (20) 0.18(mm)
IC 480-385713/14		11/05/2017 22:01	1	S3875.D	ZB-624 (20) 0.18(mm)
IC 480-385713/15		11/05/2017 22:24	1	S3876.D	ZB-624 (20) 0.18(mm)
IC 480-385713/20		11/06/2017 00:20	1		ZB-624 (20) 0.18(mm)
IC 480-385713/21		11/06/2017 00:44	1		ZB-624 (20) 0.18(mm)
IC 480-385713/22		11/06/2017 01:07	1		ZB-624 (20) 0.18(mm)
IC 480-385713/23		11/06/2017 01:30	1		ZB-624 (20) 0.18(mm)
IC 480-385713/24		11/06/2017 01:53	1		ZB-624 (20) 0.18(mm)
IC 480-385713/25		11/06/2017 02:16	1		ZB-624 (20) 0.18(mm)
IC 480-385713/26		11/06/2017 02:40	1		ZB-624 (20) 0.18(mm)
ICV 480-385713/29		11/06/2017 03:49	1		ZB-624 (20) 0.18(mm)
ICV 480-385713/30		11/06/2017 04:12	1		ZB-624 (20) 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Instrument ID: HP5973S Start Date: 11/24/2017 18:52

Analysis Batch Number: 389077 End Date: 11/25/2017 04:32

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-389077/1		11/24/2017 18:52	1	S4193.D	ZB-624 (20) 0.18(mm)
CCVIS 480-389077/2		11/24/2017 19:19	1	S4194.D	ZB-624 (20) 0.18(mm)
CCV 480-389077/3		11/24/2017 19:42	1		ZB-624 (20) 0.18(mm)
LCS 480-389077/4		11/24/2017 20:05	1	S4196.D	ZB-624 (20) 0.18(mm)
RL 480-389077/5		11/24/2017 20:28	1		ZB-624 (20) 0.18(mm)
MB 480-389077/6		11/24/2017 20:51	1	S4198.D	ZB-624 (20) 0.18(mm)
480-127885-1		11/24/2017 21:33	1	S4199.D	ZB-624 (20) 0.18(mm)
480-127885-2		11/24/2017 21:57	1	S4200.D	ZB-624 (20) 0.18(mm)
480-127885-3		11/24/2017 22:20	1	S4201.D	ZB-624 (20) 0.18(mm)
480-127885-4		11/24/2017 22:43	1	S4202.D	ZB-624 (20) 0.18(mm)
480-127885-5		11/24/2017 23:06	1	S4203.D	ZB-624 (20) 0.18(mm)
480-127885-6		11/24/2017 23:30	1	S4204.D	ZB-624 (20) 0.18(mm)
480-127885-7		11/24/2017 23:53	1	S4205.D	ZB-624 (20) 0.18(mm)
480-127885-8		11/25/2017 00:16	1	S4206.D	ZB-624 (20) 0.18(mm)
480-127885-9		11/25/2017 00:39	1	S4207.D	ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2017 01:03	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2017 01:26	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2017 01:49	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2017 02:12	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2017 02:35	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2017 02:59	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2017 03:22	1		ZB-624 (20) 0.18(mm)
ZZZZZ		11/25/2017 03:45	40		ZB-624 (20) 0.18(mm)
480-127885-3 MS		11/25/2017 04:08	1	S4216.D	ZB-624 (20) 0.18(mm)
480-127885-3 MSD		11/25/2017 04:32	1	S4217.D	ZB-624 (20) 0.18(mm)

GC/MS VOA Worksheet

Batch Number: 480-389077
Method: 8260C
Analyst: Reile, Rebecca S

Date Open: Nov 24 2017 6:52PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	Initial pH	2MTP_WRK_00067	3MTP_WRK_00068	8260 CORP mix_00114
BFB~480-389077/1		8260C		1 uL	1 uL				
CCVIS~480-389077/2		8260C		5 mL	5 mL				12.5 uL
CCV~480-389077/3		8260C		5 mL	5 mL		12.5 uL	12.5 uL	
LCS~480-389077/4		8260C		5 mL	5 mL				12.5 uL
RL~480-389077/5				5 mL	5 mL				1 uL
MB~480-389077/6		8260C		5 mL	5 mL				
480-127885-C-1	MW-2R	8260C	T	5 mL	5 mL	<2 SU			
480-127885-C-2	MW-4	8260C	T	5 mL	5 mL	<2 SU			
480-127885-D-3	MW-5R	8260C	T	5 mL	5 mL	<2 SU			
480-127885-C-4	MW-6	8260C	T	5 mL	5 mL	<2 SU			
480-127885-C-5	MW-7	8260C	T	5 mL	5 mL	<2 SU			
480-127885-D-6	MW-8	8260C	T	5 mL	5 mL	<2 SU			
480-127885-C-7	DUP-112017	8260C	T	5 mL	5 mL	<2 SU			
480-127885-C-8	FB-112117	8260C	T	5 mL	5 mL	<2 SU			
480-127885-A-9	TRIP BLANK	8260C	T	5 mL	5 mL	<2 SU			
480-127921-A-1	GW-07S	8260C	T	5 mL	5 mL	<2 SU			
480-127921-A-2	GW-07D	8260C	T	5 mL	5 mL	<2 SU			
480-127921-D-3	GW-01S	8260C	T	5 mL	5 mL	<2 SU			
480-127921-D-5	GW-03D	8260C	T	5 mL	5 mL	<2 SU			
480-127921-D-6	FD-112017	8260C	T	5 mL	5 mL	<2 SU			
480-127921-D-7	GW-03S	8260C	T	5 mL	5 mL	<2 SU			
480-127937-E-1	EW-1	8260C	T	5 mL	5 mL	<2 SU			
480-127937-E-2	AW-1	8260C	T	5 mL	5 mL	<2 SU			
480-127885-C-3~MS	MW-5R	8260C	T	5 mL	5 mL	<2 SU			12.5 uL
480-127885-C-3~MSD	MW-5R	8260C	T	5 mL	5 mL	<2 SU			12.5 uL

GC/MS VOA Worksheet

Batch Number: 480-389077
Method: 8260C
Analyst: Reile, Rebecca S

Date Open: Nov 24 2017 6:52PM
Batch End:

Lab ID	Client ID	Method Chain	Basis ADD CORP mix_00065	BFB_WRK_00066	GAS CORP mix_00251	S_8260_IS_00272	S_8260_Surr_00230
BFB~480-389077/1		8260C		1 uL			
CCVIS~480-389077/2		8260C			12.5 uL	1 uL	1 uL
CCV~480-389077/3		8260C	12.5 uL			1 uL	1 uL
LCS~480-389077/4		8260C			12.5 uL	1 uL	1 uL
RL~480-389077/5			1 uL		1 uL	1 uL	1 uL
MB~480-389077/6		8260C				1 uL	1 uL
480-127885-C-1	MW-2R	8260C	T			1 uL	1 uL
480-127885-C-2	MW-4	8260C	T			1 uL	1 uL
480-127885-D-3	MW-5R	8260C	T			1 uL	1 uL
480-127885-C-4	MW-6	8260C	T			1 uL	1 uL
480-127885-C-5	MW-7	8260C	T			1 uL	1 uL
480-127885-D-6	MW-8	8260C	T			1 uL	1 uL
480-127885-C-7	DUP-112017	8260C	T			1 uL	1 uL
480-127885-C-8	FB-112117	8260C	T			1 uL	1 uL
480-127885-A-9	TRIP BLANK	8260C	T			1 uL	1 uL
480-127921-A-1	GW-07S	8260C	T			1 uL	1 uL
480-127921-A-2	GW-07D	8260C	T			1 uL	1 uL
480-127921-D-3	GW-01S	8260C	T			1 uL	1 uL
480-127921-D-5	GW-03D	8260C	T			1 uL	1 uL
480-127921-D-6	FD-112017	8260C	T			1 uL	1 uL
480-127921-D-7	GW-03S	8260C	T			1 uL	1 uL
480-127937-E-1	EW-1	8260C	T			1 uL	1 uL
480-127937-E-2	AW-1	8260C	T			1 uL	1 uL
480-127885-C-3~MS	MW-5R	8260C	T		12.5 uL	1 uL	1 uL
480-127885-C-3~MSD	MW-5R	8260C	T		12.5 uL	1 uL	1 uL

Method 8082A

Polychlorinated Biphenyls (PCBs) (GC) by Method 8082A

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): ZB-35 ID: 0.53(mm) GC Column (2): ZB-5 ID: 0.53(mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCBP1 #	DCBP2 #
MW-2R	480-127885-1	94	81	50	57
MW-4	480-127885-2	95	83	54	58
MW-5R	480-127885-3	87	79	56	65
MW-6	480-127885-4	95	82	58	62
MW-7	480-127885-5	83	76	53	57
MW-8	480-127885-6	91	83	59	64
DUP-112017	480-127885-7	84	76	53	57
FB-112117	480-127885-8	92	83	38	43
	MB 480-388735/1-A	96	86	51	59
	LCS 480-388735/2-A	86	80	41	42
MW-5R MS	480-127885-3 MS	94	100	58	60
MW-5R MSD	480-127885-3 MSD	92	94	58	60

	QC LIMITS
TCX = Tetrachloro-m-xylene	39-121
DCBP = DCB Decachlorobiphenyl	19-120

Column to be used to flag recovery values

FORM II 8082A

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 12_006_205.D

Lab ID: LCS 480-388735/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
PCB-1016	4.00	3.55	89	62-130	
PCB-1260	4.00	3.00	75	56-123	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 12_006_206.D

Lab ID: 480-127885-3 MS Client ID: MW-5R MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
PCB-1016	4.00	ND	3.96	99	28-150	
PCB-1260	4.00	ND	3.36	84	25-131	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 12_006_207.D

Lab ID: 480-127885-3 MSD Client ID: MW-5R MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
PCB-1016	4.00	3.85	96	3	50	28-150	
PCB-1260	4.00	3.27	82	2	50	25-131	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Lab Sample ID: MB 480-388735/1-A

Matrix: Water Date Extracted: 11/22/2017 07:54

Lab File ID:(1) 12_006_204.D Lab File ID:(2) 12_006_204.D

Date Analyzed:(1) 11/24/2017 12:35 Date Analyzed:(2) 11/24/2017 12:35

Instrument ID:(1) HP5890-12 Instrument ID:(2) HP5890-12

GC Column:(1) ZB-35 ID: 0.53(mm) GC Column:(2) ZB-5 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 480-388735/2-A	11/24/2017 12:50	11/24/2017 12:50
MW-5R MS	480-127885-3 MS	11/24/2017 13:06	11/24/2017 13:06
MW-5R MSD	480-127885-3 MSD	11/24/2017 13:21	11/24/2017 13:21
MW-5R	480-127885-3	11/24/2017 13:36	11/24/2017 13:36
MW-2R	480-127885-1	11/24/2017 14:38	11/24/2017 14:38
MW-4	480-127885-2	11/24/2017 15:10	11/24/2017 15:10
MW-6	480-127885-4	11/24/2017 15:26	11/24/2017 15:26
MW-7	480-127885-5	11/24/2017 15:41	11/24/2017 15:41
MW-8	480-127885-6	11/24/2017 15:56	11/24/2017 15:56
DUP-112017	480-127885-7	11/24/2017 16:12	11/24/2017 16:12
FB-112117	480-127885-8	11/24/2017 16:27	11/24/2017 16:27

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Sample No.: ICIS 480-356902/19 Date Analyzed: 05/11/2017 16:17

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm)

Lab File ID (Standard): 12_390m_216.D Heated Purge: (Y/N) N

Calibration ID: 30527

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1242256	1.32				
UPPER LIMIT		2484512	1.37				
LOWER LIMIT		621128	1.27				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-389001/4		879593	1.17				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.05 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Sample No.: ICIS 480-356902/19 Date Analyzed: 05/11/2017 16:17

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm)

Lab File ID (Standard): 12_390m_216.D Heated Purge: (Y/N) N

Calibration ID: 30528

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1109432	1.62				
UPPER LIMIT		2218864	1.67				
LOWER LIMIT		554716	1.57				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-389001/4		911043	1.45				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.05 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Sample No.: CCVIS 480-389001/4 Date Analyzed: 11/24/2017 11:03

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm)

Lab File ID (Standard): 12_006_198.D Heated Purge: (Y/N) N

Calibration ID: 30555

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		879593	1.17				
UPPER LIMIT		1759186	1.22				
LOWER LIMIT		439797	1.12				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-389001/5		1068062	1.17				
CCV 480-389001/6		1055720	1.17				
CCV 480-389001/7		931932	1.17				
CCV 480-389001/8		1052819	1.17				
MB 480-388735/1-A		1064686	1.17				
LCS 480-388735/2-A		1115144	1.17				
480-127885-3 MS	MW-5R MS	1071680	1.17				
480-127885-3 MSD	MW-5R MSD	1034367	1.17				
480-127885-3	MW-5R	1124116	1.17				
480-127885-1	MW-2R	1111646	1.17				
480-127885-2	MW-4	1081792	1.17				
480-127885-4	MW-6	1015015	1.17				
480-127885-5	MW-7	1192962	1.17				
480-127885-6	MW-8	1092770	1.17				
480-127885-7	DUP-112017	1184021	1.17				
480-127885-8	FB-112117	1159628	1.17				

BNB = 1-Bromo-2-nitrobenzene
BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.05 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Sample No.: CCVIS 480-389001/4 Date Analyzed: 11/24/2017 11:03

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm)

Lab File ID (Standard): 12_006_198.D Heated Purge: (Y/N) N

Calibration ID: 30556

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		911043	1.45				
UPPER LIMIT		1822086	1.50				
LOWER LIMIT		455522	1.40				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-389001/5		1043459	1.45				
CCV 480-389001/6		1041670	1.45				
CCV 480-389001/7		964414	1.45				
CCV 480-389001/8		1046578	1.45				
MB 480-388735/1-A		1070013	1.45				
LCS 480-388735/2-A		1131072	1.45				
480-127885-3 MS	MW-5R MS	1090743	1.45				
480-127885-3 MSD	MW-5R MSD	1044287	1.45				
480-127885-3	MW-5R	1150197	1.45				
480-127885-1	MW-2R	1127569	1.45				
480-127885-2	MW-4	1100362	1.45				
480-127885-4	MW-6	1039434	1.45				
480-127885-5	MW-7	1210617	1.45				
480-127885-6	MW-8	1110422	1.45				
480-127885-7	DUP-112017	1197884	1.45				
480-127885-8	FB-112117	1175773	1.45				

BNB = 1-Bromo-2-nitrobenzene
BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.05 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Client Sample ID: MW-5R MS Lab Sample ID: 480-127885-3 MS

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 11/24/2017 13:06 Date Analyzed (2): 11/24/2017 13:06

GC Column (1): ZB-35 ID: 0.53(mm) GC Column (2): ZB-5 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	2.39	2.36	2.42	6.45	5.11	25.3
		2	2.70	2.67	2.73	4.36		
		3	2.91	2.88	2.94	4.92		
		4	3.00	2.97	3.03	5.06		
		5	3.12	3.09	3.15	4.76		
	2	1	1.91	1.88	1.94	3.54	3.96	
		2	2.27	2.24	2.30	4.09		
		3	2.44	2.41	2.47	3.61		
		4	2.51	2.47	2.53	4.46		
		5	2.56	2.52	2.58	4.10		
PCB-1260	1	1	4.85	4.82	4.88	4.42	3.40	1.4
		2	5.17	5.14	5.20	3.13		
		3	5.23	5.20	5.26	4.02		
		4	5.30	5.27	5.33	2.76		
		5	5.64	5.61	5.67	2.70		
	2	1	3.90	3.87	3.93	3.49	3.36	
		2	4.12	4.09	4.15	4.44		
		3	4.24	4.21	4.27	2.99		
		4	4.42	4.39	4.45	2.95		
		5	4.85	4.82	4.88	2.91		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Client Sample ID: MW-5R MSD Lab Sample ID: 480-127885-3 MSD

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 11/24/2017 13:21 Date Analyzed (2): 11/24/2017 13:21

GC Column (1): ZB-35 ID: 0.53(mm) GC Column (2): ZB-5 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	2.39	2.36	2.42	7.49	5.28	31.3
		2	2.70	2.67	2.73	4.32		
		3	2.91	2.88	2.94	4.85		
		4	3.00	2.97	3.03	5.02		
		5	3.12	3.09	3.15	4.72		
	2	1	1.91	1.88	1.94	3.37	3.85	
		2	2.27	2.24	2.30	3.98		
		3	2.44	2.41	2.47	3.53		
		4	2.51	2.47	2.53	4.36		
		5	2.56	2.52	2.58	4.02		
PCB-1260	1	1	4.85	4.82	4.88	4.35	3.32	1.4
		2	5.16	5.14	5.20	3.04		
		3	5.23	5.20	5.26	3.91		
		4	5.30	5.27	5.33	2.69		
		5	5.64	5.61	5.67	2.63		
	2	1	3.90	3.87	3.93	3.56	3.27	
		2	4.11	4.09	4.15	4.17		
		3	4.24	4.21	4.27	2.91		
		4	4.42	4.39	4.45	2.94		
		5	4.84	4.82	4.88	2.79		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-388735/2-A

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 11/24/2017 12:50 Date Analyzed (2): 11/24/2017 12:50

GC Column (1): ZB-35 ID: 0.53(mm) GC Column (2): ZB-5 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	2.39	2.36	2.42	4.91	4.53	24.3
		2	2.70	2.67	2.73	4.03		
		3	2.91	2.88	2.94	4.58		
		4	3.00	2.97	3.03	4.69		
		5	3.12	3.09	3.15	4.46		
	2	1	1.91	1.88	1.94	3.10	3.55	
		2	2.27	2.24	2.30	3.71		
		3	2.44	2.41	2.47	3.29		
		4	2.51	2.47	2.53	4.11		
		5	2.56	2.52	2.58	3.55		
PCB-1260	1	1	4.85	4.82	4.88	4.10	3.16	5.4
		2	5.17	5.14	5.20	2.95		
		3	5.23	5.20	5.26	3.75		
		4	5.30	5.27	5.33	2.55		
		5	5.64	5.61	5.67	2.48		
	2	1	3.90	3.87	3.93	3.08	3.00	
		2	4.11	4.09	4.15	4.03		
		3	4.24	4.21	4.27	2.63		
		4	4.42	4.39	4.45	2.64		
		5	4.85	4.82	4.88	2.62		

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-127885-1

SDG No.:

Client Sample ID: MW-2R | Lab Sample ID: 480-127885-1

Matrix: Water | Lab File ID: 12_006_212.D

Analysis Method: 8082A | Date Collected: 11/20/2017 10:55

Extraction Method: 3510C | Date Extracted: 11/22/2017 07:54

Sample wt/vol: 250(mL) | Date Analyzed: 11/24/2017 14:38

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 389001 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.50	0.18
11104-28-2	PCB-1221	ND		0.50	0.18
11141-16-5	PCB-1232	ND		0.50	0.18
53469-21-9	PCB-1242	ND		0.50	0.18
12672-29-6	PCB-1248	ND		0.50	0.18
11097-69-1	PCB-1254	ND		0.50	0.25
11096-82-5	PCB-1260	ND		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	57		19-120
877-09-8	Tetrachloro-m-xylene	81		39-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_212.D
Lims ID: 480-127885-A-1-A
Client ID: MW-2R
Sample Type: Client
Inject. Date: 24-Nov-2017 14:38:06 ALS Bottle#: 0 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 27-Nov-2017 11:31:00 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: gentnert Date: 27-Nov-2017 11:31:00

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.171	1.171	0.000	1111646	0.5000	
2	1.447	1.447	0.000	1127569	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.719	1.717	0.002	36337	0.0163	
2	2.004	2.005	-0.001	37983	0.0188	
					RPD = 14.52	
$ 15 DCB Decachlorobiphenyl						
1	5.823	5.827	-0.004	33156	0.0114	
2	6.765	6.768	-0.003	30364	0.0100	
					RPD = 12.98	

Reagents:

COPPER_00070	Amount Added: 1.00	Units: g	Run Reagent
PCB IS 1B2NB_00037	Amount Added: 10.00	Units: uL	Run Reagent

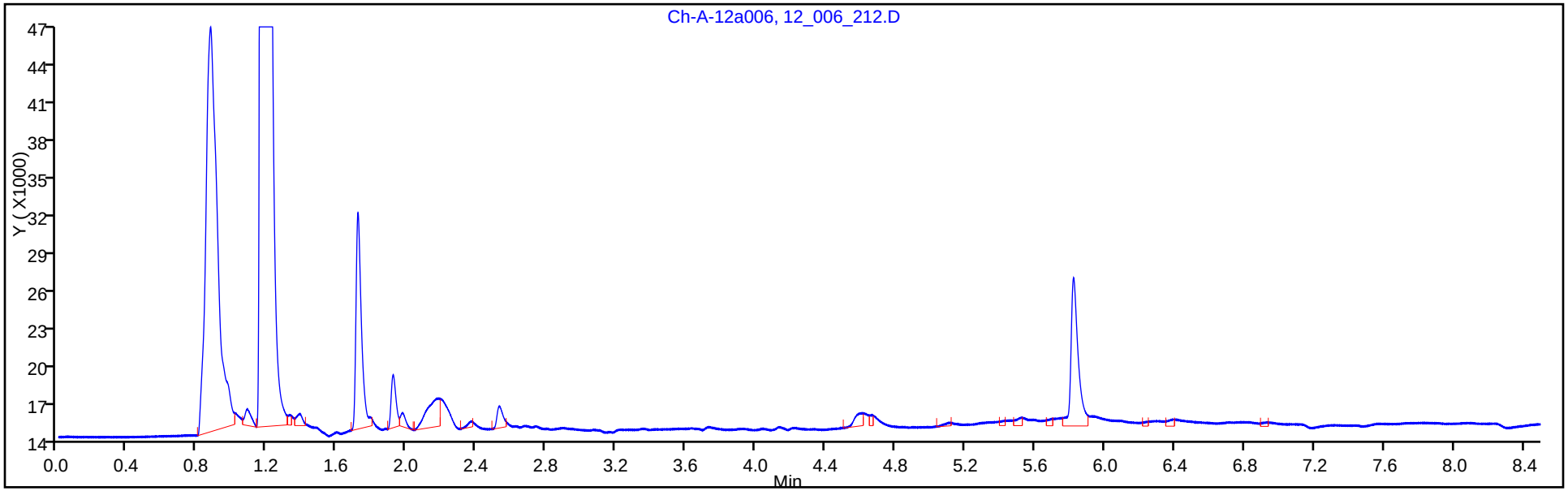
Report Date: 27-Nov-2017 11:31:01 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

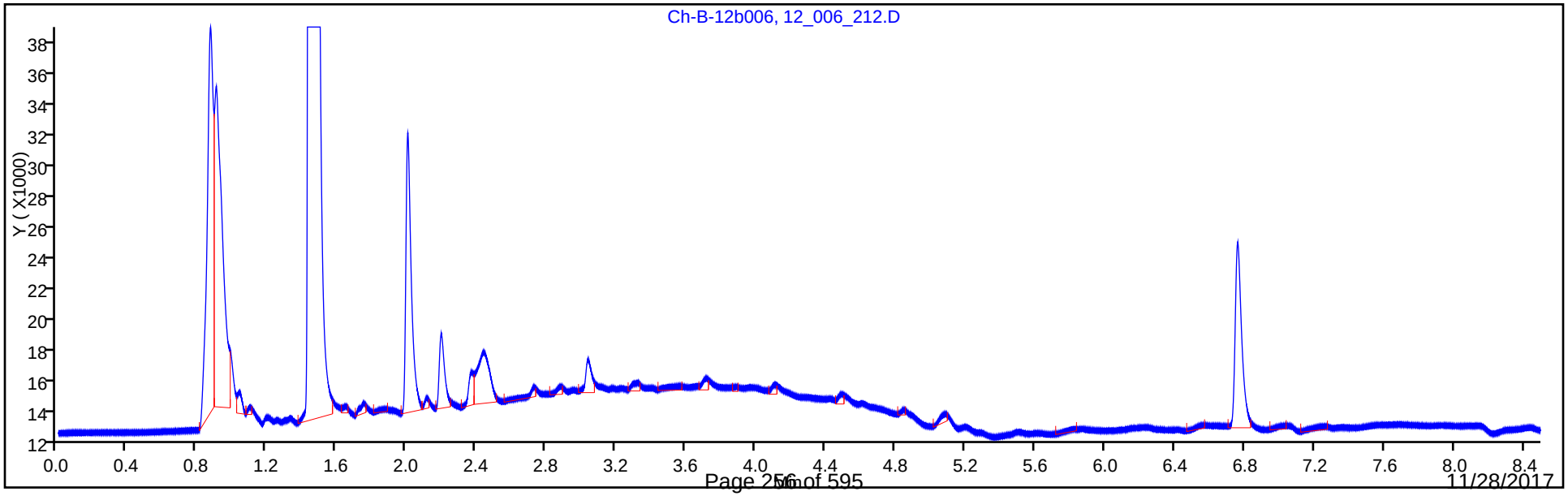
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_212.D

Injection Date:	24-Nov-2017 14:38:06	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-127885-A-1-A	Lab Sample ID:	480-127885-1	Worklist Smp#:	18
Client ID:	MW-2R				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-127885-1

SDG No.:

Client Sample ID: MW-2R | Lab Sample ID: 480-127885-1

Matrix: Water | Lab File ID: 12_006_212.D

Analysis Method: 8082A | Date Collected: 11/20/2017 10:55

Extraction Method: 3510C | Date Extracted: 11/22/2017 07:54

Sample wt/vol: 250(mL) | Date Analyzed: 11/24/2017 14:38

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 389001 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	50		19-120
877-09-8	Tetrachloro-m-xylene	94		39-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_212.D
Lims ID: 480-127885-A-1-A
Client ID: MW-2R
Sample Type: Client
Inject. Date: 24-Nov-2017 14:38:06 ALS Bottle#: 0 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 27-Nov-2017 11:31:00 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: gentnert Date: 27-Nov-2017 11:31:00

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.171	1.171	0.000	1111646	0.5000	
2	1.447	1.447	0.000	1127569	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.719	1.717	0.002	36337	0.0163	
2	2.004	2.005	-0.001	37983	0.0188	
					RPD = 14.52	
$ 15 DCB Decachlorobiphenyl						
1	5.823	5.827	-0.004	33156	0.0114	
2	6.765	6.768	-0.003	30364	0.0100	
					RPD = 12.98	

Reagents:

COPPER_00070	Amount Added: 1.00	Units: g	Run Reagent
PCB IS 1B2NB_00037	Amount Added: 10.00	Units: uL	Run Reagent

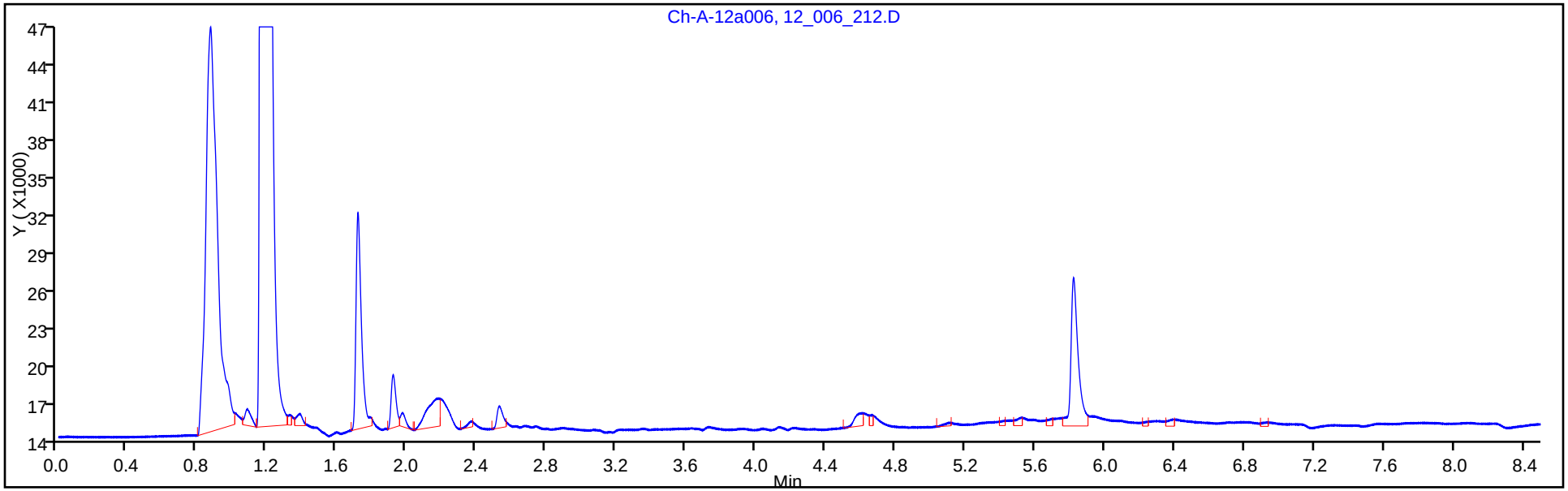
Report Date: 27-Nov-2017 11:31:01 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

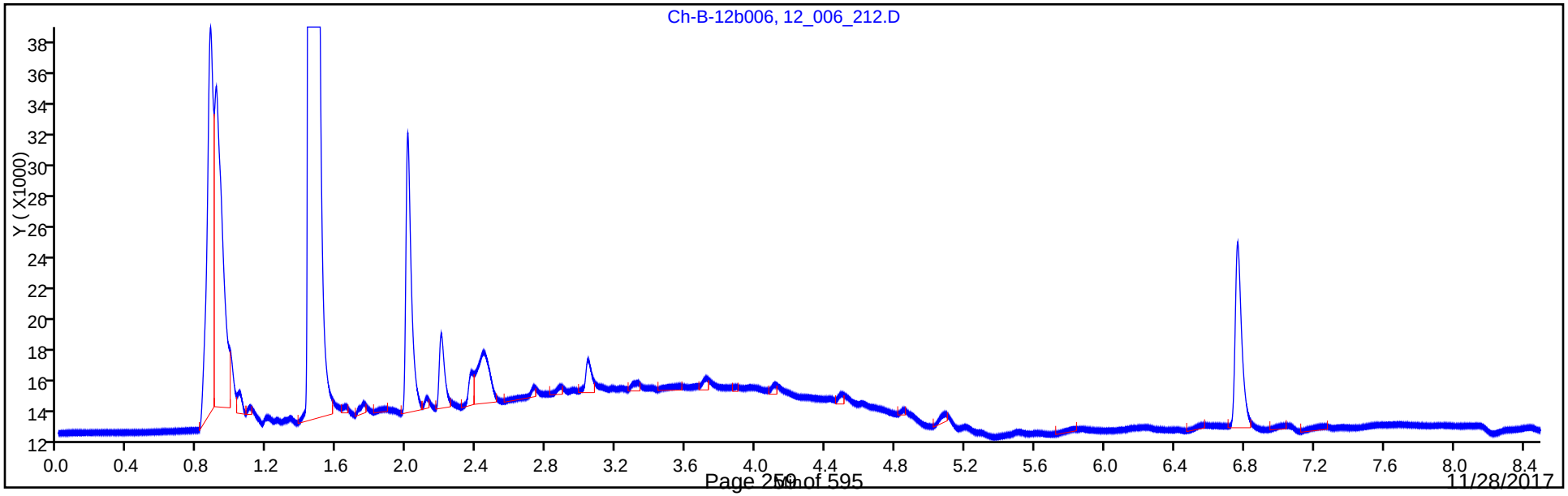
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_212.D

Injection Date:	24-Nov-2017 14:38:06	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-127885-A-1-A	Lab Sample ID:	480-127885-1	Worklist Smp#:	18
Client ID:	MW-2R				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-127885-1

SDG No.:

Client Sample ID: MW-4 | Lab Sample ID: 480-127885-2

Matrix: Water | Lab File ID: 12_006_214.D

Analysis Method: 8082A | Date Collected: 11/21/2017 09:20

Extraction Method: 3510C | Date Extracted: 11/22/2017 07:54

Sample wt/vol: 250(mL) | Date Analyzed: 11/24/2017 15:10

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 389001 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.50	0.18
11104-28-2	PCB-1221	ND		0.50	0.18
11141-16-5	PCB-1232	ND		0.50	0.18
53469-21-9	PCB-1242	ND		0.50	0.18
12672-29-6	PCB-1248	ND		0.50	0.18
11097-69-1	PCB-1254	ND		0.50	0.25
11096-82-5	PCB-1260	ND		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	58		19-120
877-09-8	Tetrachloro-m-xylene	83		39-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_214.D
Lims ID: 480-127885-B-2-A
Client ID: MW-4
Sample Type: Client
Inject. Date: 24-Nov-2017 15:10:49 ALS Bottle#: 0 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 27-Nov-2017 11:31:00 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: gentnert Date: 27-Nov-2017 11:32:15

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.173	1.171	0.002	1081792	0.5000	
2	1.448	1.447	0.001	1100362	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.721	1.717	0.004	36230	0.0167	
2	2.005	2.005	0.000	37362	0.0190	
					RPD = 12.91	
$ 15 DCB Decachlorobiphenyl						
1	5.827	5.827	0.000	32817	0.0116	
2	6.765	6.768	-0.003	32156	0.0108	
					RPD = 6.44	

Reagents:

COPPER_00070 Amount Added: 1.00 Units: g Run Reagent
PCB IS 1B2NB_00037 Amount Added: 10.00 Units: uL Run Reagent

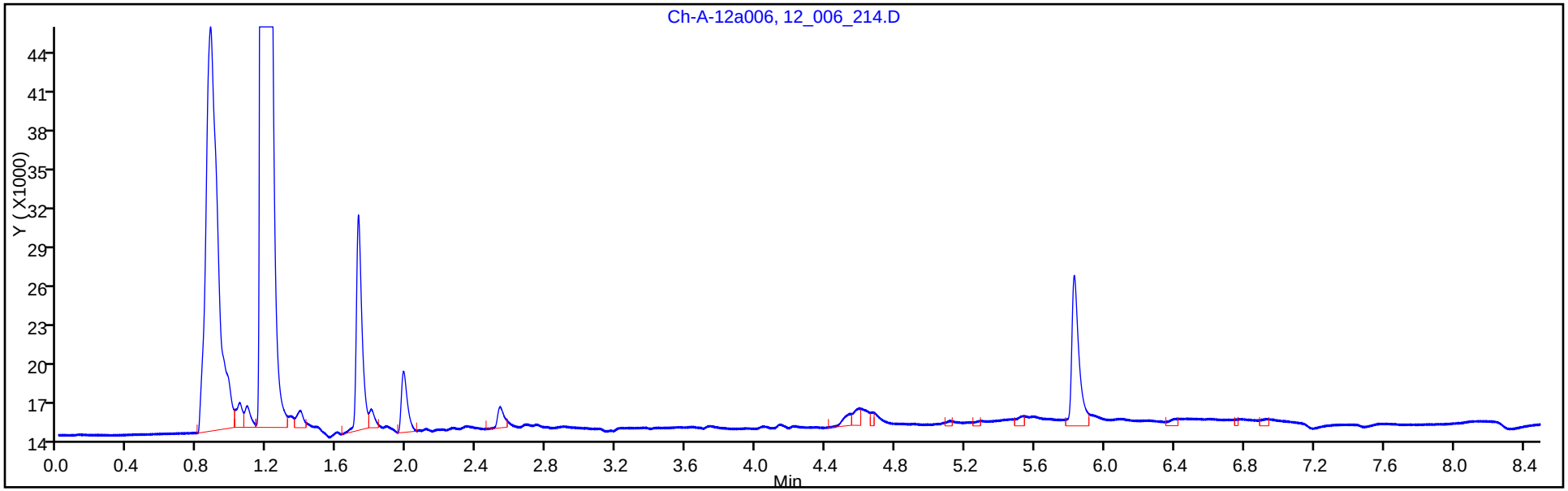
Report Date: 27-Nov-2017 11:32:15 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

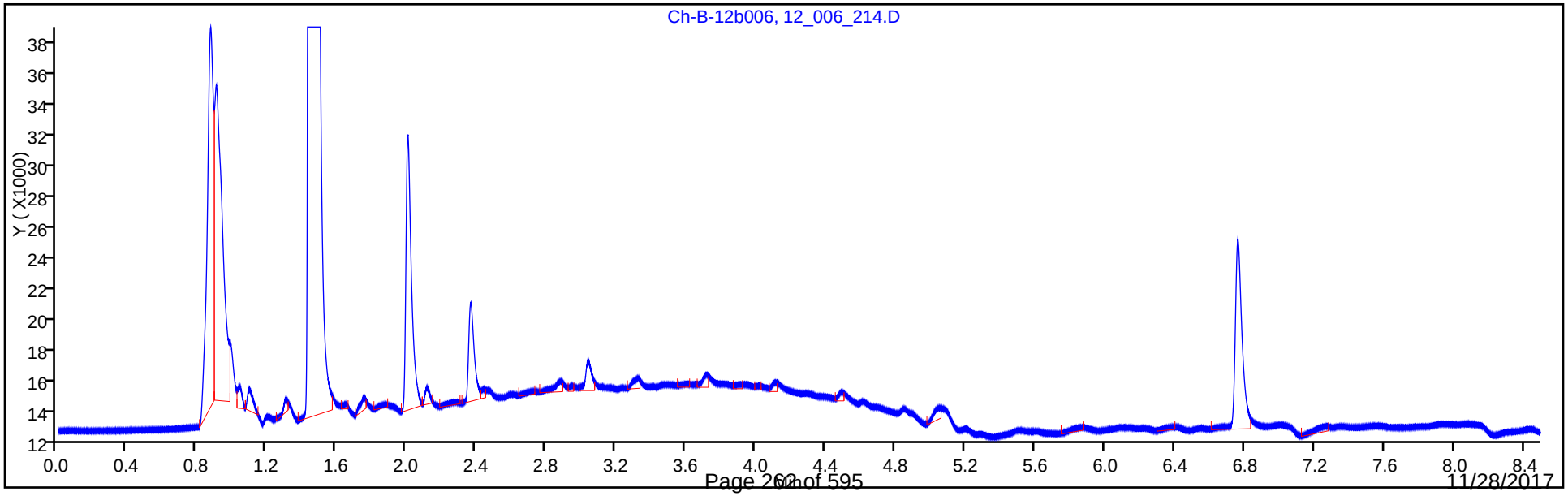
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_214.D

Injection Date:	24-Nov-2017 15:10:49	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-127885-B-2-A	Lab Sample ID:	480-127885-2	Worklist Smp#:	30
Client ID:	MW-4				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-127885-1

SDG No.:

Client Sample ID: MW-4 | Lab Sample ID: 480-127885-2

Matrix: Water | Lab File ID: 12_006_214.D

Analysis Method: 8082A | Date Collected: 11/21/2017 09:20

Extraction Method: 3510C | Date Extracted: 11/22/2017 07:54

Sample wt/vol: 250(mL) | Date Analyzed: 11/24/2017 15:10

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 389001 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	54		19-120
877-09-8	Tetrachloro-m-xylene	95		39-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_214.D
Lims ID: 480-127885-B-2-A
Client ID: MW-4
Sample Type: Client
Inject. Date: 24-Nov-2017 15:10:49 ALS Bottle#: 0 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 27-Nov-2017 11:31:00 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: gentnert Date: 27-Nov-2017 11:32:15

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.173	1.171	0.002	1081792	0.5000	
2	1.448	1.447	0.001	1100362	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.721	1.717	0.004	36230	0.0167	
2	2.005	2.005	0.000	37362	0.0190	
					RPD = 12.91	
$ 15 DCB Decachlorobiphenyl						
1	5.827	5.827	0.000	32817	0.0116	
2	6.765	6.768	-0.003	32156	0.0108	
					RPD = 6.44	

Reagents:

COPPER_00070 Amount Added: 1.00 Units: g Run Reagent
PCB IS 1B2NB_00037 Amount Added: 10.00 Units: uL Run Reagent

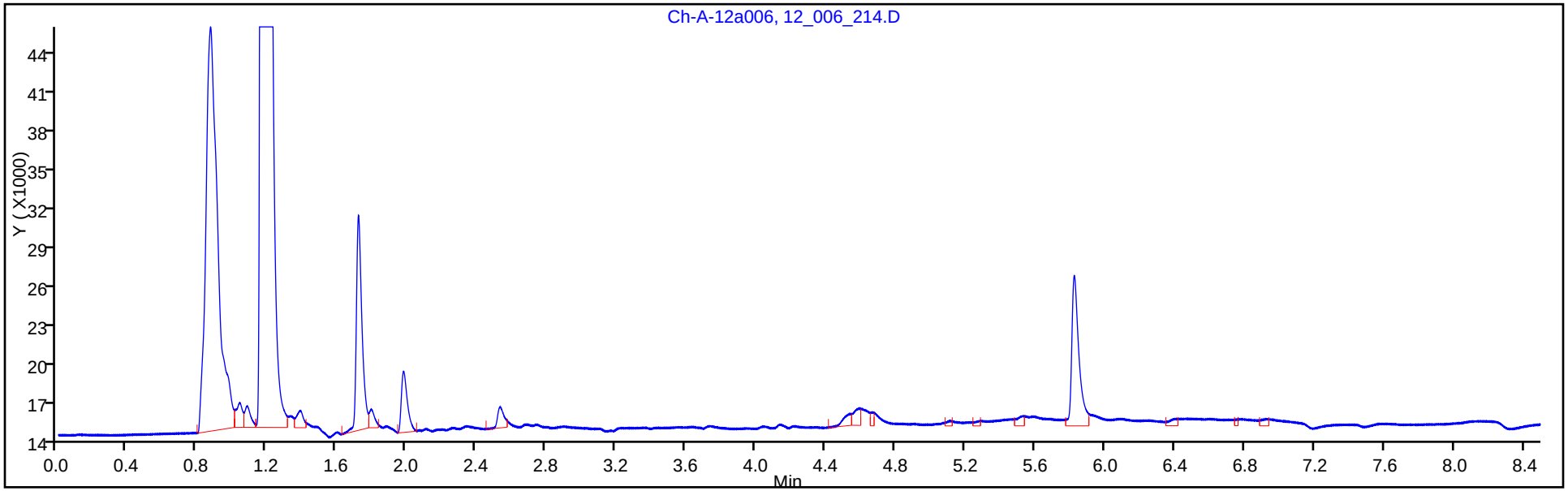
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TestAmerica Buffalo

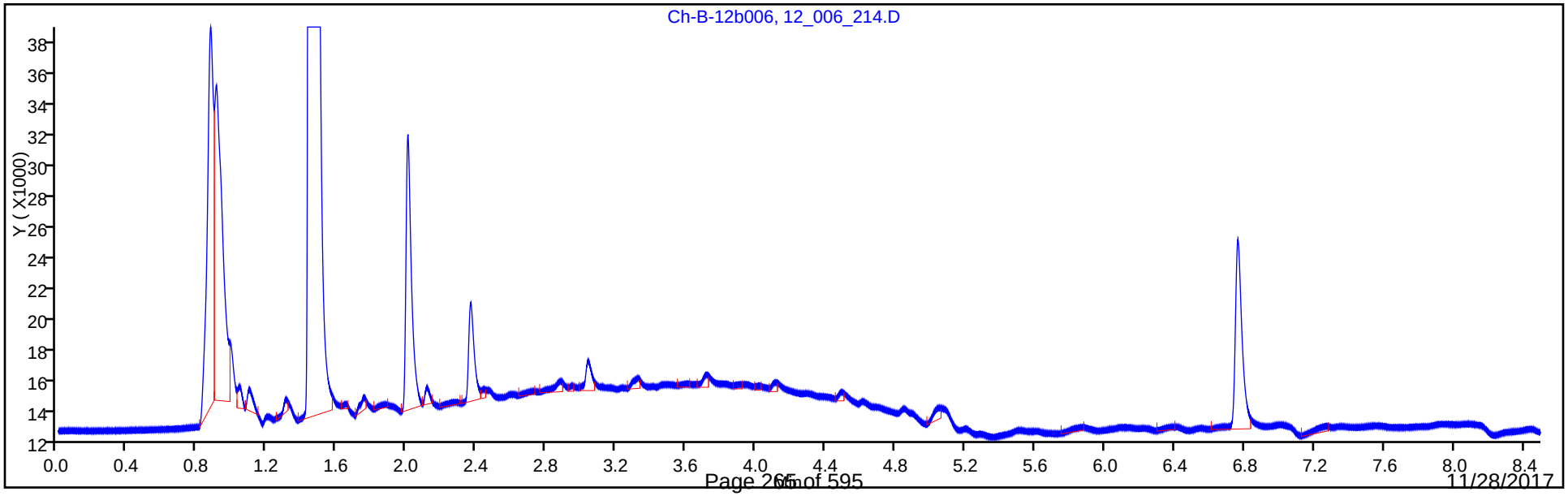
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_214.D

Injection Date:	24-Nov-2017 15:10:49	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-127885-B-2-A	Lab Sample ID:	480-127885-2	Worklist Smp#:	30
Client ID:	MW-4				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-127885-1

SDG No.:

Client Sample ID: MW-5R | Lab Sample ID: 480-127885-3

Matrix: Water | Lab File ID: 12_006_208.D

Analysis Method: 8082A | Date Collected: 11/20/2017 14:00

Extraction Method: 3510C | Date Extracted: 11/22/2017 07:54

Sample wt/vol: 250(mL) | Date Analyzed: 11/24/2017 13:36

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 389001 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.50	0.18
11104-28-2	PCB-1221	ND		0.50	0.18
11141-16-5	PCB-1232	ND		0.50	0.18
53469-21-9	PCB-1242	ND		0.50	0.18
12672-29-6	PCB-1248	ND		0.50	0.18
11097-69-1	PCB-1254	ND		0.50	0.25
11096-82-5	PCB-1260	ND		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	65		19-120
877-09-8	Tetrachloro-m-xylene	79		39-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_208.D
Lims ID: 480-127885-B-3-C
Client ID: MW-5R
Sample Type: Client
Inject. Date: 24-Nov-2017 13:36:46 ALS Bottle#: 0 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 27-Nov-2017 11:22:29 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: gentnert Date: 27-Nov-2017 11:22:29

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.171	1.171	0.000	1124116	0.5000	
2	1.447	1.447	0.000	1150197	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.719	1.717	0.002	35690	0.0158	
2	2.005	2.005	0.000	35834	0.0174	
					RPD = 9.64	
$ 15 DCB Decachlorobiphenyl						
1	5.825	5.827	-0.002	38085	0.0129	
2	6.764	6.768	-0.004	34866	0.0112	
					RPD = 13.77	

Reagents:

COPPER_00070	Amount Added: 1.00	Units: g	Run Reagent
PCB IS 1B2NB_00037	Amount Added: 10.00	Units: uL	Run Reagent

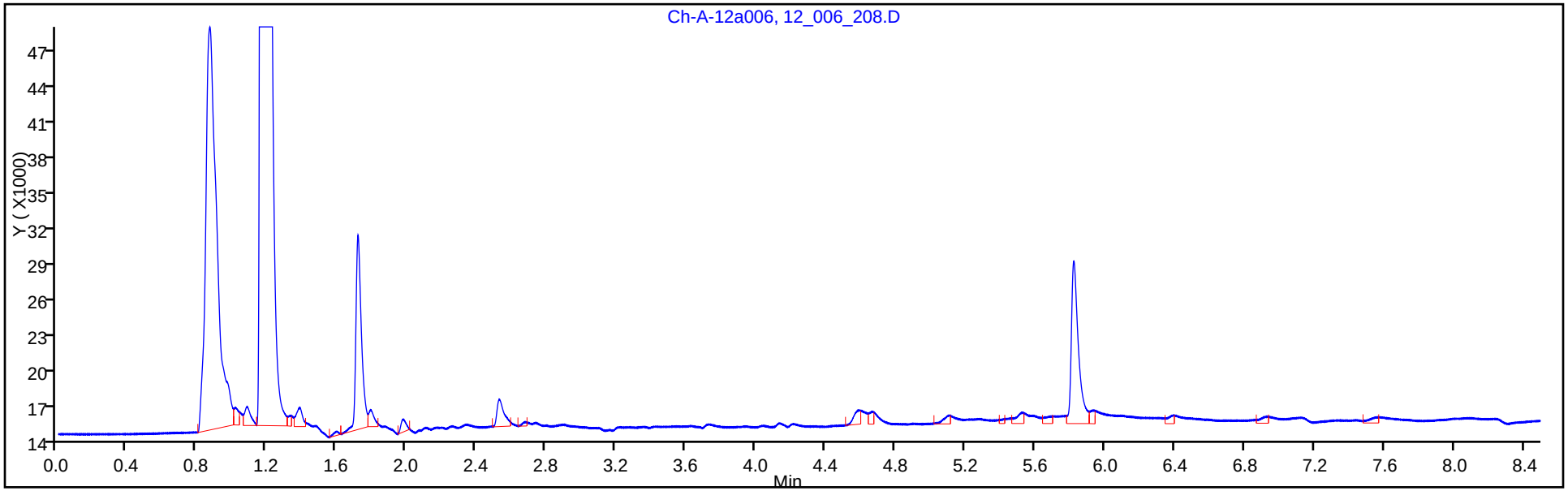
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TestAmerica Buffalo

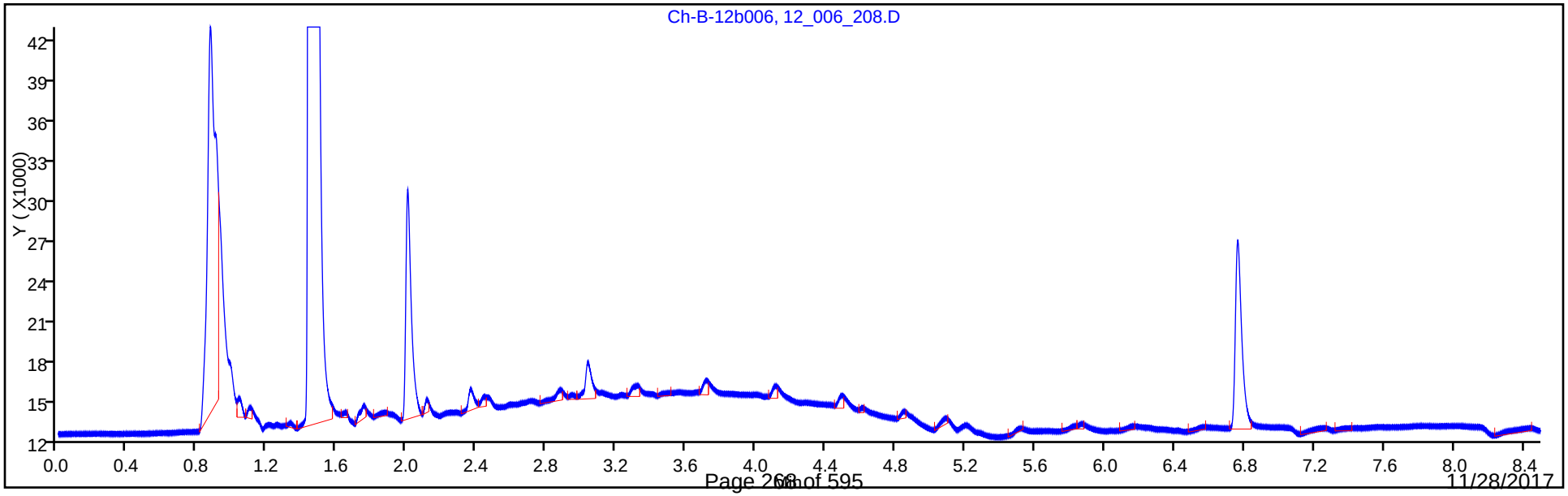
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_208.D

Injection Date:	24-Nov-2017 13:36:46	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-127885-B-3-C	Lab Sample ID:	480-127885-3	Worklist Smp#:	14
Client ID:	MW-5R				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-127885-1

SDG No.:

Client Sample ID: MW-5R | Lab Sample ID: 480-127885-3

Matrix: Water | Lab File ID: 12_006_208.D

Analysis Method: 8082A | Date Collected: 11/20/2017 14:00

Extraction Method: 3510C | Date Extracted: 11/22/2017 07:54

Sample wt/vol: 250(mL) | Date Analyzed: 11/24/2017 13:36

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 389001 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	56		19-120
877-09-8	Tetrachloro-m-xylene	87		39-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_208.D
Lims ID: 480-127885-B-3-C
Client ID: MW-5R
Sample Type: Client
Inject. Date: 24-Nov-2017 13:36:46 ALS Bottle#: 0 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 27-Nov-2017 11:22:29 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: gentnert Date: 27-Nov-2017 11:22:29

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.171	1.171	0.000	1124116	0.5000	
2	1.447	1.447	0.000	1150197	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.719	1.717	0.002	35690	0.0158	
2	2.005	2.005	0.000	35834	0.0174	
					RPD = 9.64	
$ 15 DCB Decachlorobiphenyl						
1	5.825	5.827	-0.002	38085	0.0129	
2	6.764	6.768	-0.004	34866	0.0112	
					RPD = 13.77	

Reagents:

COPPER_00070	Amount Added: 1.00	Units: g	Run Reagent
PCB IS 1B2NB_00037	Amount Added: 10.00	Units: uL	Run Reagent

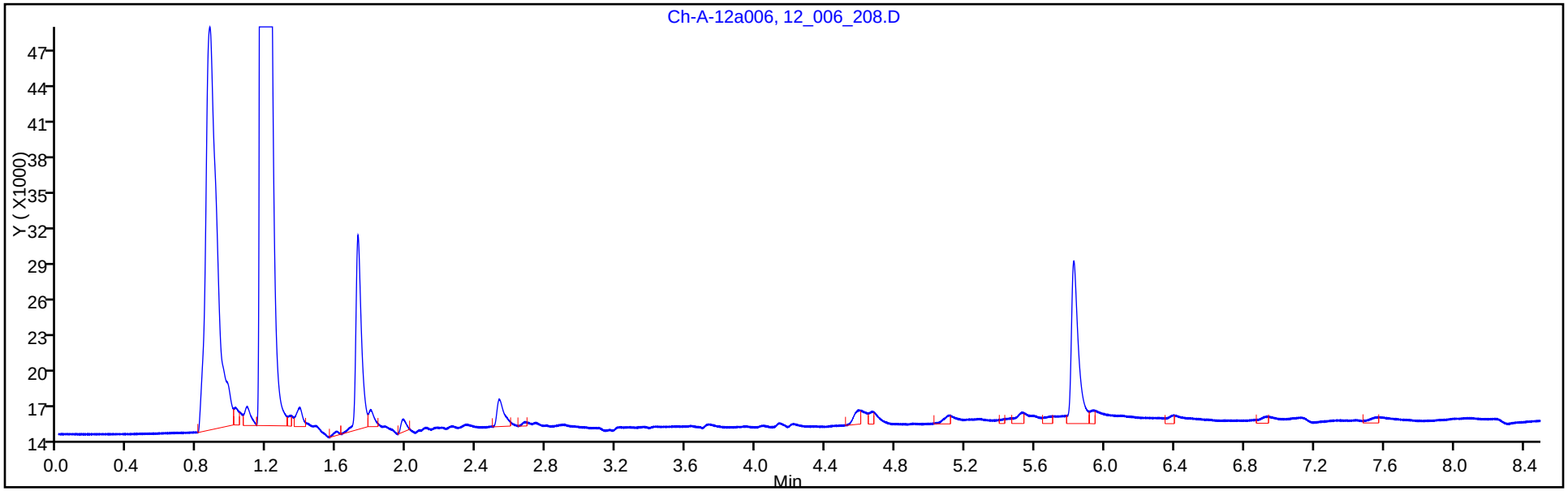
Report Date: 27-Nov-2017 11:22:29 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

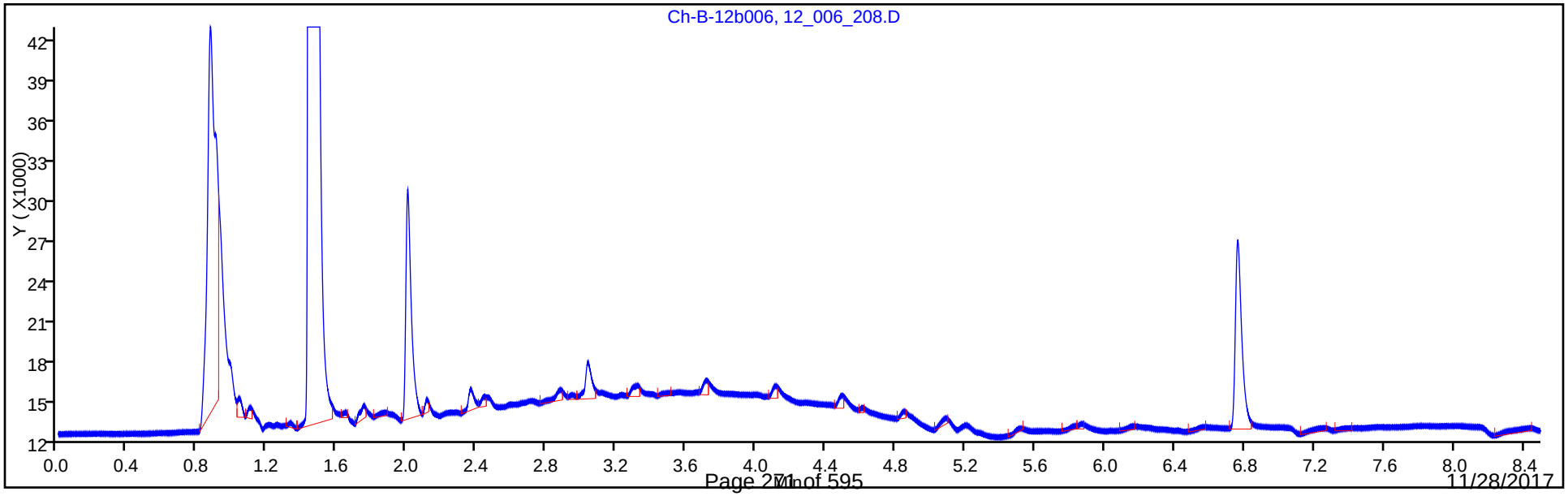
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_208.D

Injection Date:	24-Nov-2017 13:36:46	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-127885-B-3-C	Lab Sample ID:	480-127885-3	Worklist Smp#:	14
Client ID:	MW-5R				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-127885-1

SDG No.:

Client Sample ID: MW-6 | Lab Sample ID: 480-127885-4

Matrix: Water | Lab File ID: 12_006_215.D

Analysis Method: 8082A | Date Collected: 11/21/2017 11:05

Extraction Method: 3510C | Date Extracted: 11/22/2017 07:54

Sample wt/vol: 250(mL) | Date Analyzed: 11/24/2017 15:26

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 389001 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.50	0.18
11104-28-2	PCB-1221	ND		0.50	0.18
11141-16-5	PCB-1232	ND		0.50	0.18
53469-21-9	PCB-1242	ND		0.50	0.18
12672-29-6	PCB-1248	ND		0.50	0.18
11097-69-1	PCB-1254	ND		0.50	0.25
11096-82-5	PCB-1260	ND		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	62		19-120
877-09-8	Tetrachloro-m-xylene	82		39-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_215.D
Lims ID: 480-127885-B-4-A
Client ID: MW-6
Sample Type: Client
Inject. Date: 24-Nov-2017 15:26:11 ALS Bottle#: 0 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 27-Nov-2017 11:31:00 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: gentnert Date: 27-Nov-2017 11:32:41

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.171	1.171	0.000	1015015	0.5000	
2	1.446	1.447	-0.001	1039434	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.717	1.717	0.000	33575	0.0165	
2	2.002	2.005	-0.003	35377	0.0190	
					RPD = 14.37	
$ 15 DCB Decachlorobiphenyl						
1	5.823	5.827	-0.004	32835	0.0123	
2	6.763	6.768	-0.005	32474	0.0116	
					RPD = 6.13	

Reagents:

COPPER_00070	Amount Added: 1.00	Units: g	Run Reagent
PCB IS 1B2NB_00037	Amount Added: 10.00	Units: uL	Run Reagent

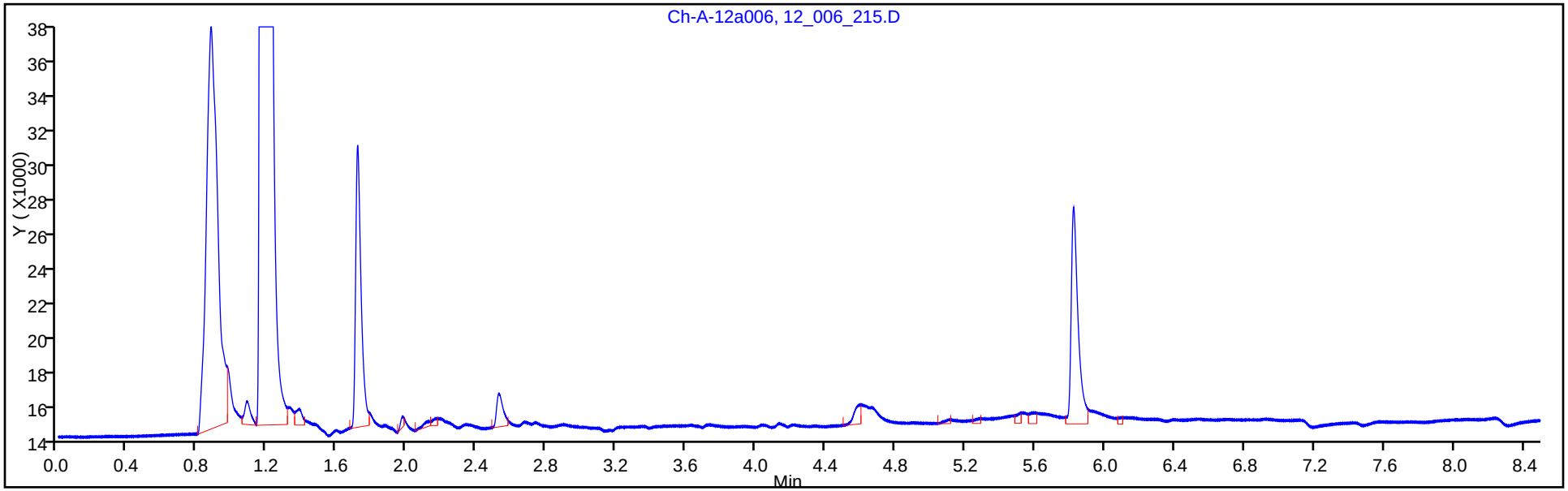
Report Date: 27-Nov-2017 11:32:41 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

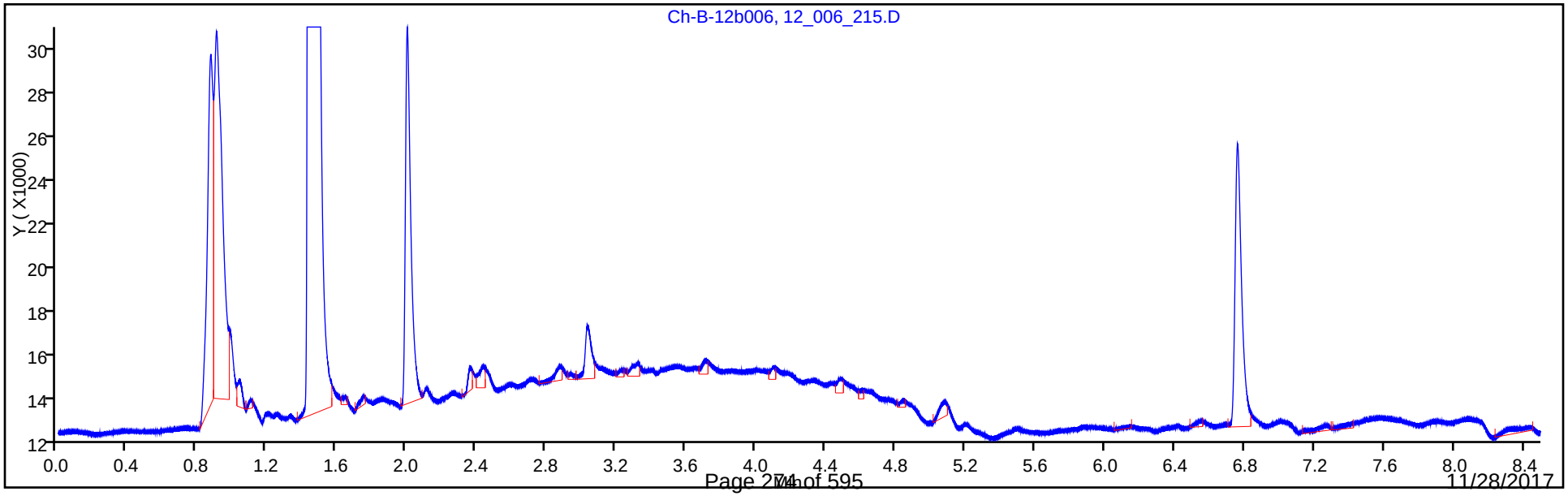
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_215.D

Injection Date:	24-Nov-2017 15:26:11	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-127885-B-4-A	Lab Sample ID:	480-127885-4	Worklist Smp#:	20
Client ID:	MW-6				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-127885-1

SDG No.:

Client Sample ID: MW-6 | Lab Sample ID: 480-127885-4

Matrix: Water | Lab File ID: 12_006_215.D

Analysis Method: 8082A | Date Collected: 11/21/2017 11:05

Extraction Method: 3510C | Date Extracted: 11/22/2017 07:54

Sample wt/vol: 250(mL) | Date Analyzed: 11/24/2017 15:26

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 389001 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	58		19-120
877-09-8	Tetrachloro-m-xylene	95		39-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_215.D
Lims ID: 480-127885-B-4-A
Client ID: MW-6
Sample Type: Client
Inject. Date: 24-Nov-2017 15:26:11 ALS Bottle#: 0 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 27-Nov-2017 11:31:00 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: gentnert Date: 27-Nov-2017 11:32:41

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.171	1.171	0.000	1015015	0.5000	
2	1.446	1.447	-0.001	1039434	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.717	1.717	0.000	33575	0.0165	
2	2.002	2.005	-0.003	35377	0.0190	
					RPD = 14.37	
$ 15 DCB Decachlorobiphenyl						
1	5.823	5.827	-0.004	32835	0.0123	
2	6.763	6.768	-0.005	32474	0.0116	
					RPD = 6.13	

Reagents:

COPPER_00070 Amount Added: 1.00 Units: g Run Reagent
PCB IS 1B2NB_00037 Amount Added: 10.00 Units: uL Run Reagent

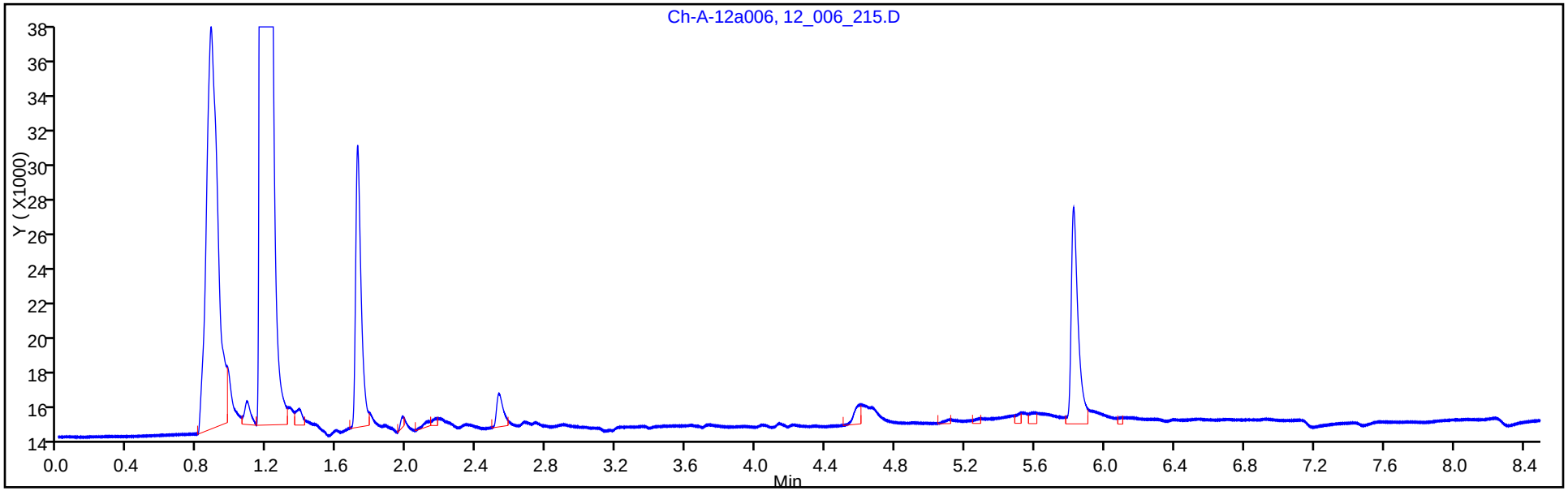
Report Date: 27-Nov-2017 11:32:41 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

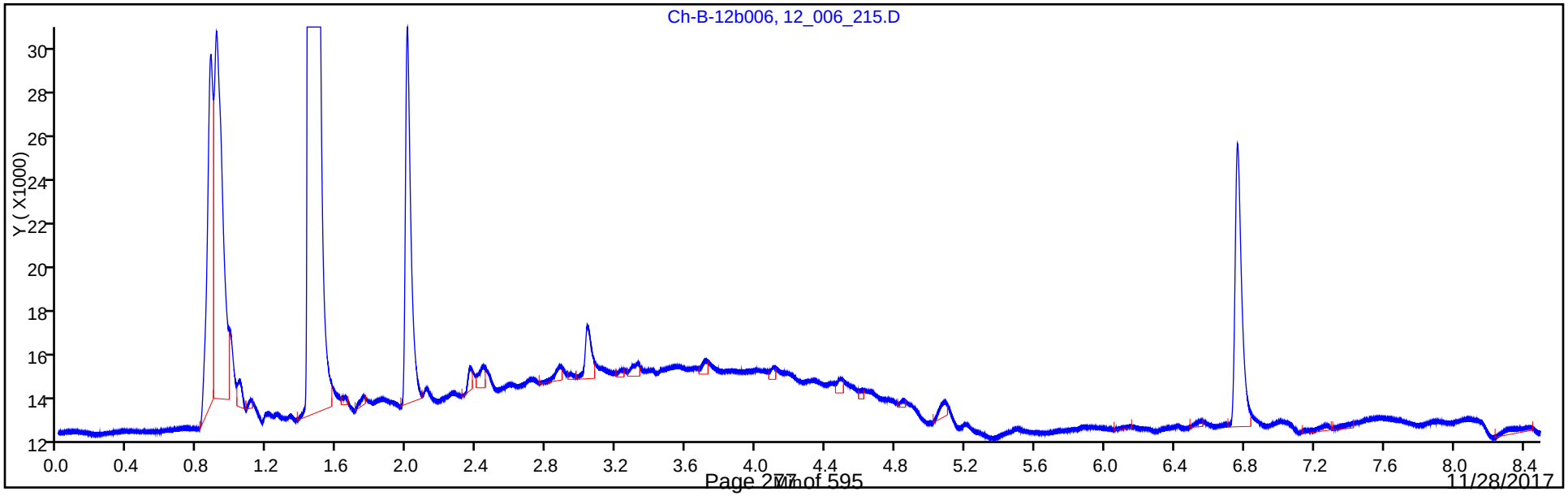
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_215.D

Injection Date:	24-Nov-2017 15:26:11	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-127885-B-4-A	Lab Sample ID:	480-127885-4	Worklist Smp#:	20
Client ID:	MW-6				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-127885-1

SDG No.:

Client Sample ID: MW-7 | Lab Sample ID: 480-127885-5

Matrix: Water | Lab File ID: 12_006_216.D

Analysis Method: 8082A | Date Collected: 11/20/2017 11:50

Extraction Method: 3510C | Date Extracted: 11/22/2017 07:54

Sample wt/vol: 250(mL) | Date Analyzed: 11/24/2017 15:41

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 389001 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.50	0.18
11104-28-2	PCB-1221	ND		0.50	0.18
11141-16-5	PCB-1232	ND		0.50	0.18
53469-21-9	PCB-1242	ND		0.50	0.18
12672-29-6	PCB-1248	ND		0.50	0.18
11097-69-1	PCB-1254	ND		0.50	0.25
11096-82-5	PCB-1260	ND		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	57		19-120
877-09-8	Tetrachloro-m-xylene	76		39-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_216.D
Lims ID: 480-127885-B-5-A
Client ID: MW-7
Sample Type: Client
Inject. Date: 24-Nov-2017 15:41:31 ALS Bottle#: 0 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 27-Nov-2017 11:31:00 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: gentnert Date: 27-Nov-2017 11:32:49

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.171	1.171	0.000	1192962	0.5000	
2	1.446	1.447	-0.001	1210617	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.717	1.717	0.000	36242	0.0151	
2	2.003	2.005	-0.002	35917	0.0166	
					RPD = 9.13	
$ 15 DCB Decachlorobiphenyl						
1	5.823	5.827	-0.004	35837	0.0114	
2	6.763	6.768	-0.005	34427	0.0105	
					RPD = 8.21	

Reagents:

COPPER_00070 Amount Added: 1.00 Units: g Run Reagent
PCB IS 1B2NB_00037 Amount Added: 10.00 Units: uL Run Reagent

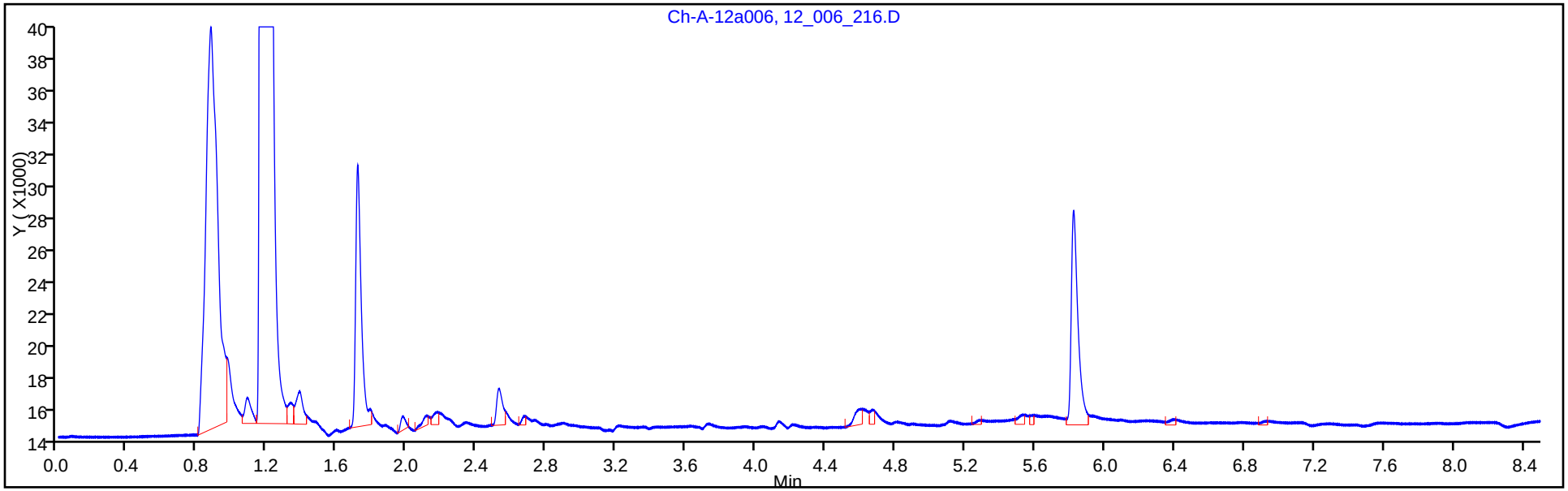
Report Date: 27-Nov-2017 11:32:49 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

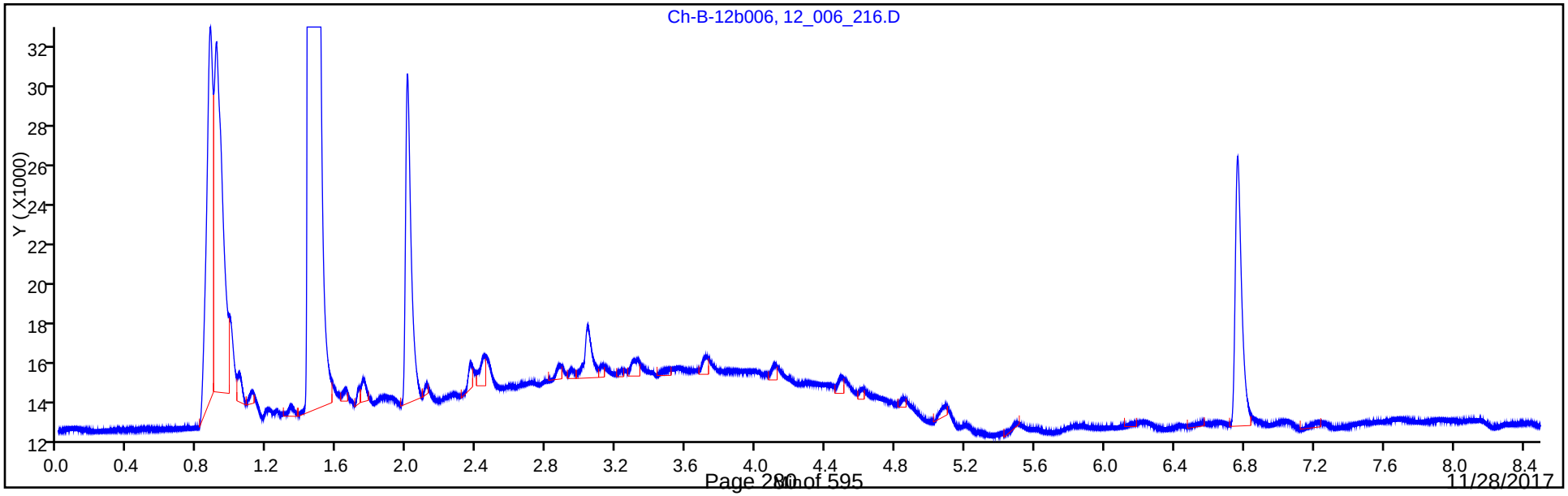
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_216.D

Injection Date:	24-Nov-2017 15:41:31	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-127885-B-5-A	Lab Sample ID:	480-127885-5	Worklist Smp#:	21
Client ID:	MW-7				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-127885-1

SDG No.:

Client Sample ID: MW-7 | Lab Sample ID: 480-127885-5

Matrix: Water | Lab File ID: 12_006_216.D

Analysis Method: 8082A | Date Collected: 11/20/2017 11:50

Extraction Method: 3510C | Date Extracted: 11/22/2017 07:54

Sample wt/vol: 250(mL) | Date Analyzed: 11/24/2017 15:41

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 389001 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	53		19-120
877-09-8	Tetrachloro-m-xylene	83		39-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_216.D				
Lims ID:	480-127885-B-5-A				
Client ID:	MW-7				
Sample Type:	Client				
Inject. Date:	24-Nov-2017 15:41:31	ALS Bottle#:	0	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:					
Operator ID:	BufTCHROM	Instrument ID:	HP5890-12		
Method:	\\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\5890-12 PCB IS.m				
Limit Group:	GC - 8082A PCB IS ICAL				
Last Update:	27-Nov-2017 11:31:00	Calib Date:	13-May-2017 13:35:27		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D				
Column 1 :	ZB-5 (0.53 mm)		Det: Ch-A-7A136		
Column 2 :	ZB-35 (0.53 mm)		Det: Ch-B-7b136		
Process Host:	XAWRK013				
First Level Reviewer: gentnert		Date:	27-Nov-2017 11:32:49		

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.171	1.171	0.000	1192962	0.5000	
2	1.446	1.447	-0.001	1210617	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.717	1.717	0.000	36242	0.0151	
2	2.003	2.005	-0.002	35917	0.0166	
					RPD = 9.13	
$ 15 DCB Decachlorobiphenyl						
1	5.823	5.827	-0.004	35837	0.0114	
2	6.763	6.768	-0.005	34427	0.0105	
					RPD = 8.21	

Reagents:

COPPER_00070	Amount Added: 1.00	Units: g	Run Reagent
PCB IS 1B2NB_00037	Amount Added: 10.00	Units: uL	Run Reagent

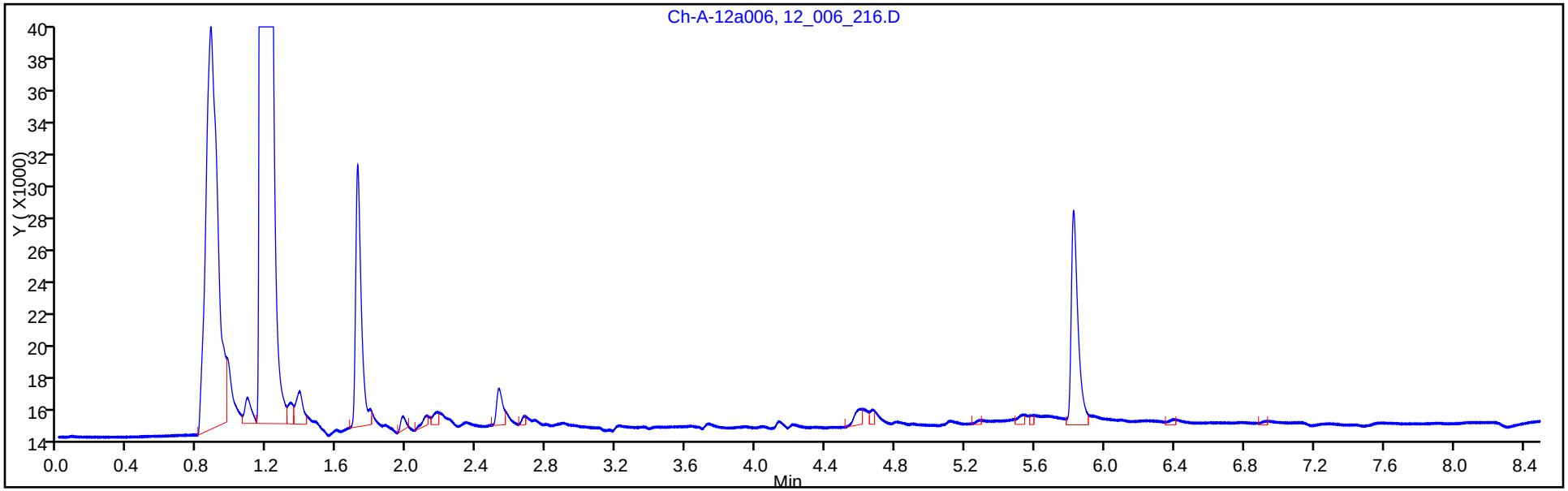
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TestAmerica Buffalo

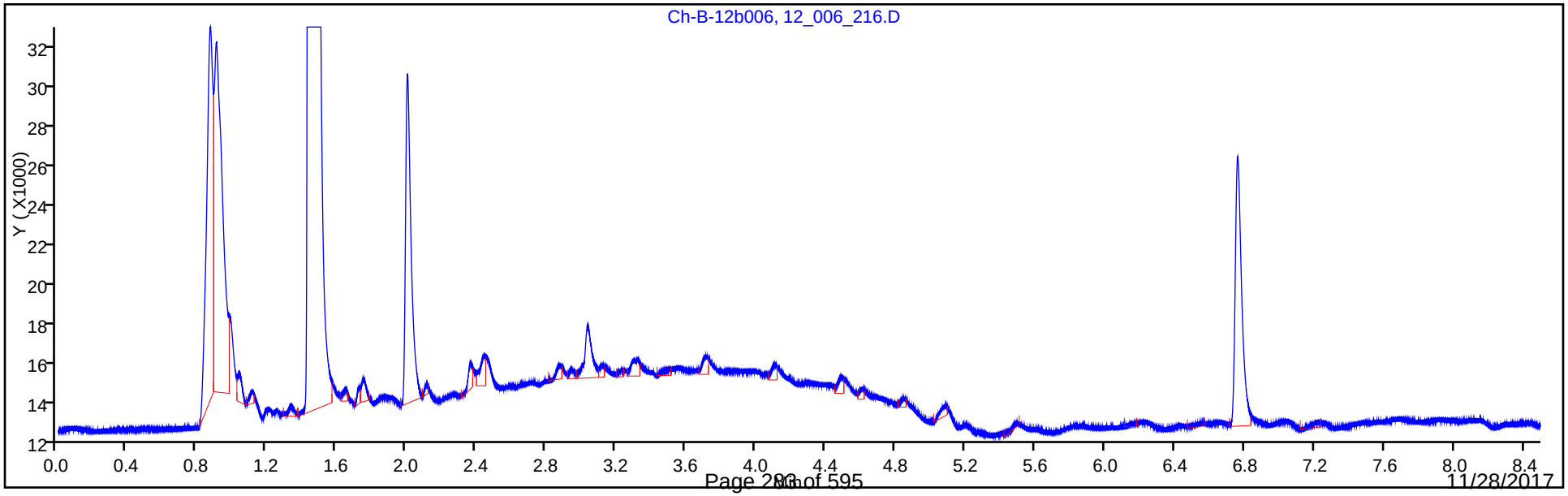
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Injection Date:	24-Nov-2017 15:41:31	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-127885-B-5-A	Lab Sample ID:	480-127885-5	Worklist Smp#:	21
Client ID:	MW-7				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-127885-1

SDG No.:

Client Sample ID: MW-8 | Lab Sample ID: 480-127885-6

Matrix: Water | Lab File ID: 12_006_217.D

Analysis Method: 8082A | Date Collected: 11/20/2017 16:15

Extraction Method: 3510C | Date Extracted: 11/22/2017 07:54

Sample wt/vol: 250(mL) | Date Analyzed: 11/24/2017 15:56

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 389001 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.50	0.18
11104-28-2	PCB-1221	ND		0.50	0.18
11141-16-5	PCB-1232	ND		0.50	0.18
53469-21-9	PCB-1242	ND		0.50	0.18
12672-29-6	PCB-1248	ND		0.50	0.18
11097-69-1	PCB-1254	ND		0.50	0.25
11096-82-5	PCB-1260	ND		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	64		19-120
877-09-8	Tetrachloro-m-xylene	83		39-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_217.D
Lims ID: 480-127885-A-6-A
Client ID: MW-8
Sample Type: Client
Inject. Date: 24-Nov-2017 15:56:52 ALS Bottle#: 0 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 27-Nov-2017 11:31:00 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: gentnert Date: 27-Nov-2017 11:32:55

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.171	1.171	0.000	1092770	0.5000	
2	1.447	1.447	0.000	1110422	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.719	1.717	0.002	36573	0.0166	
2	2.005	2.005	0.000	36374	0.0183	
					RPD = 9.42	
$ 15 DCB Decachlorobiphenyl						
1	5.823	5.827	-0.004	36652	0.0128	
2	6.765	6.768	-0.003	35508	0.0119	
					RPD = 7.40	

Reagents:

COPPER_00070 Amount Added: 1.00 Units: g Run Reagent
PCB IS 1B2NB_00037 Amount Added: 10.00 Units: uL Run Reagent

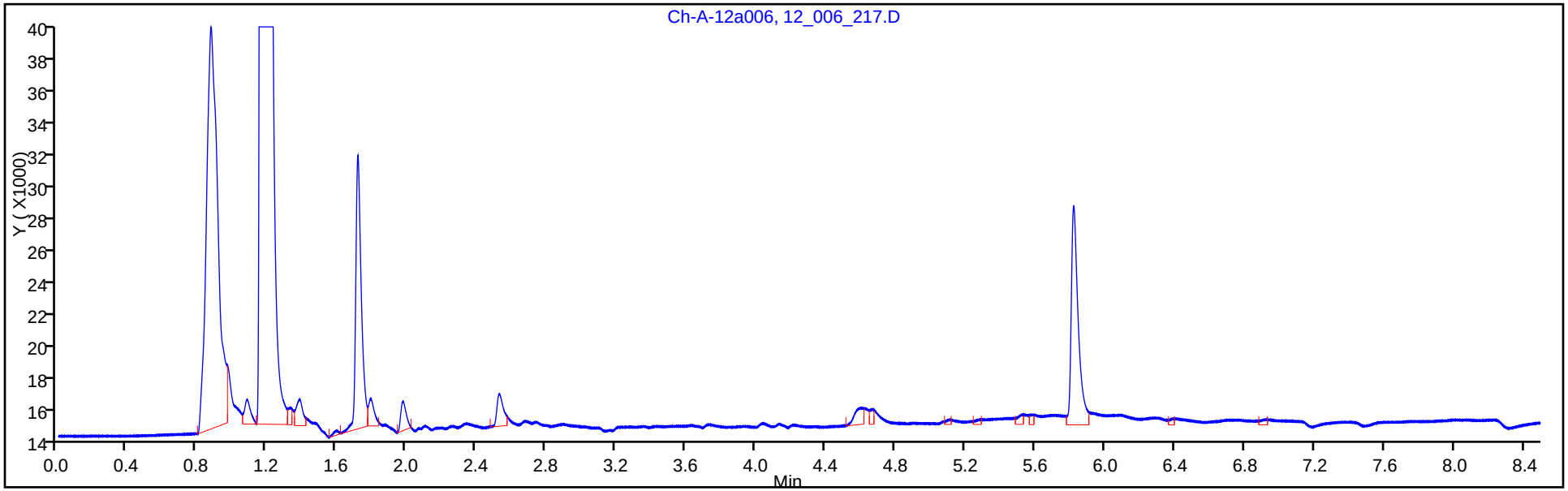
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TestAmerica Buffalo

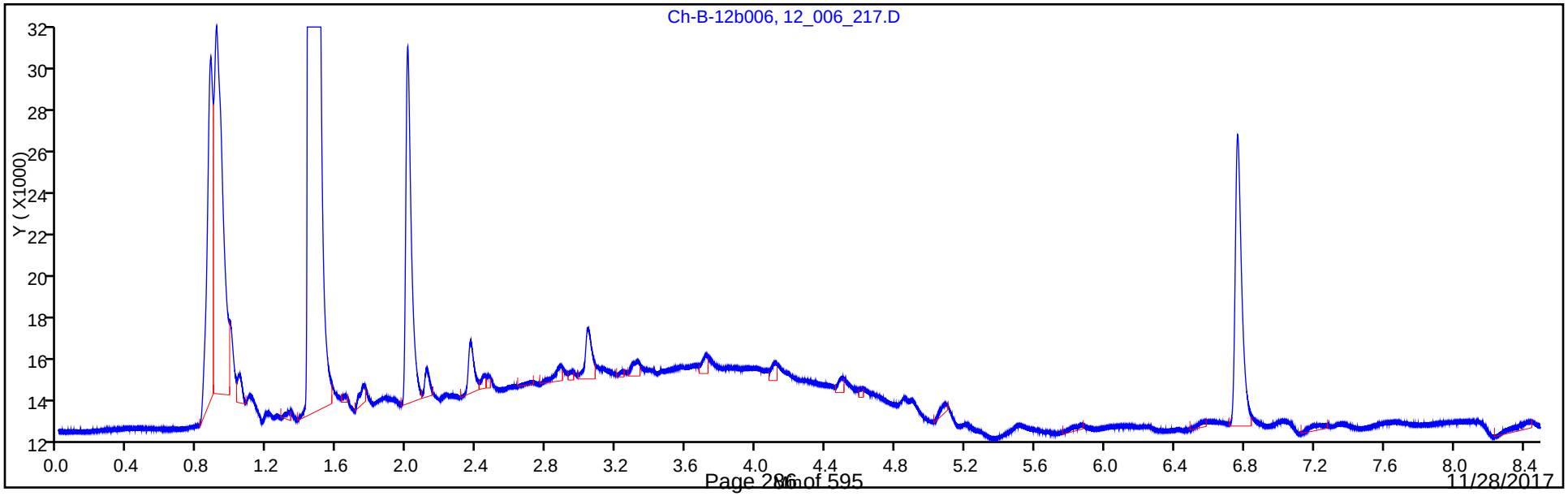
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_217.D

Injection Date:	24-Nov-2017 15:56:52	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-127885-A-6-A	Lab Sample ID:	480-127885-6	Worklist Smp#:	22
Client ID:	MW-8				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-127885-1

SDG No.:

Client Sample ID: MW-8 | Lab Sample ID: 480-127885-6

Matrix: Water | Lab File ID: 12_006_217.D

Analysis Method: 8082A | Date Collected: 11/20/2017 16:15

Extraction Method: 3510C | Date Extracted: 11/22/2017 07:54

Sample wt/vol: 250(mL) | Date Analyzed: 11/24/2017 15:56

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 389001 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	59		19-120
877-09-8	Tetrachloro-m-xylene	91		39-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_217.D
Lims ID: 480-127885-A-6-A
Client ID: MW-8
Sample Type: Client
Inject. Date: 24-Nov-2017 15:56:52 ALS Bottle#: 0 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 27-Nov-2017 11:31:00 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: gentnert Date: 27-Nov-2017 11:32:55

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.171	1.171	0.000	1092770	0.5000	
2	1.447	1.447	0.000	1110422	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.719	1.717	0.002	36573	0.0166	
2	2.005	2.005	0.000	36374	0.0183	
					RPD = 9.42	
$ 15 DCB Decachlorobiphenyl						
1	5.823	5.827	-0.004	36652	0.0128	
2	6.765	6.768	-0.003	35508	0.0119	
					RPD = 7.40	

Reagents:

COPPER_00070	Amount Added: 1.00	Units: g	Run Reagent
PCB IS 1B2NB_00037	Amount Added: 10.00	Units: uL	Run Reagent

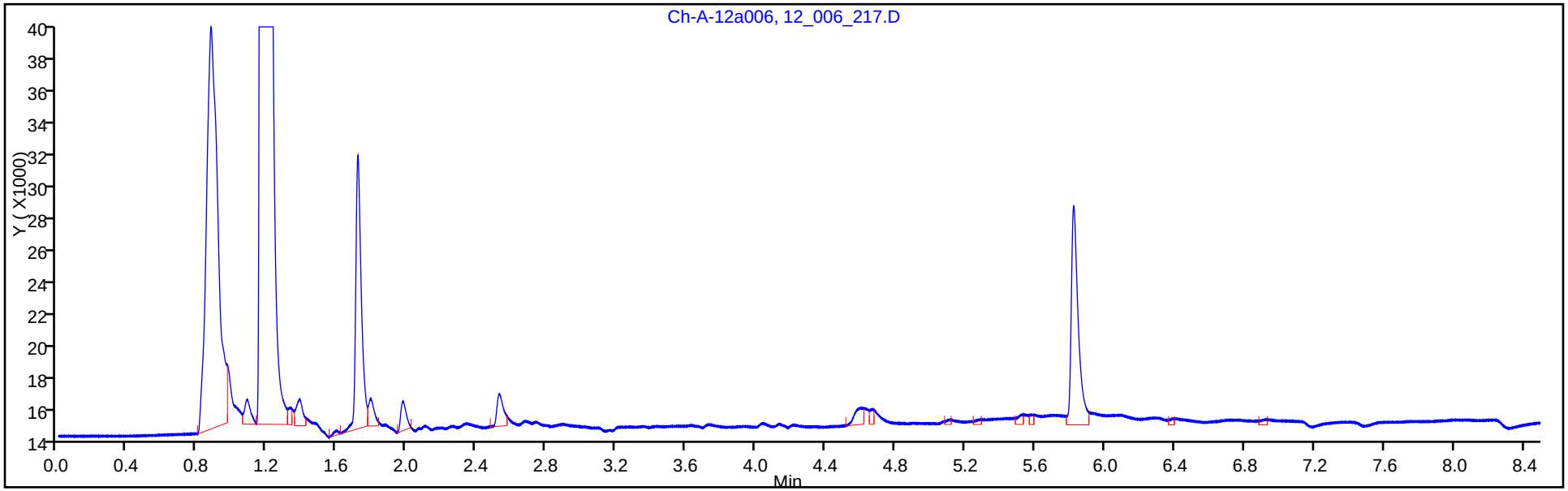
Report Date: 27-Nov-2017 11:32:56 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

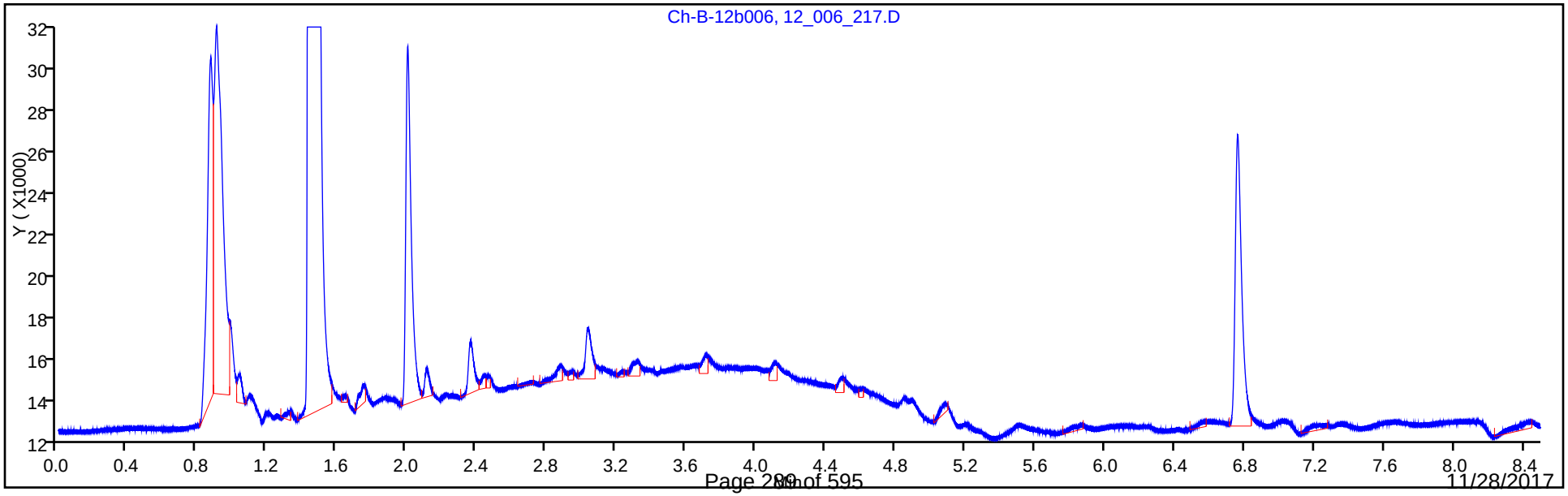
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_217.D

Injection Date:	24-Nov-2017 15:56:52	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-127885-A-6-A	Lab Sample ID:	480-127885-6	Worklist Smp#:	22
Client ID:	MW-8				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-127885-1

SDG No.:

Client Sample ID: DUP-112017 | Lab Sample ID: 480-127885-7

Matrix: Water | Lab File ID: 12_006_218.D

Analysis Method: 8082A | Date Collected: 11/20/2017 00:00

Extraction Method: 3510C | Date Extracted: 11/22/2017 07:54

Sample wt/vol: 250(mL) | Date Analyzed: 11/24/2017 16:12

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 389001 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.50	0.18
11104-28-2	PCB-1221	ND		0.50	0.18
11141-16-5	PCB-1232	ND		0.50	0.18
53469-21-9	PCB-1242	ND		0.50	0.18
12672-29-6	PCB-1248	ND		0.50	0.18
11097-69-1	PCB-1254	ND		0.50	0.25
11096-82-5	PCB-1260	ND		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	57		19-120
877-09-8	Tetrachloro-m-xylene	76		39-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_218.D
Lims ID: 480-127885-A-7-A
Client ID: DUP-112017
Sample Type: Client
Inject. Date: 24-Nov-2017 16:12:14 ALS Bottle#: 0 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 27-Nov-2017 11:31:00 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: gentnert Date: 27-Nov-2017 11:33:01

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.172	1.171	0.001	1184021	0.5000	
2	1.447	1.447	0.000	1197884	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.719	1.717	0.002	36094	0.0152	
2	2.005	2.005	0.000	35952	0.0168	
					RPD = 9.94	
$ 15 DCB Decachlorobiphenyl						
1	5.824	5.827	-0.003	35130	0.0113	
2	6.764	6.768	-0.004	34469	0.0107	
					RPD = 5.78	

Reagents:

COPPER_00070 Amount Added: 1.00 Units: g Run Reagent
PCB IS 1B2NB_00037 Amount Added: 10.00 Units: uL Run Reagent

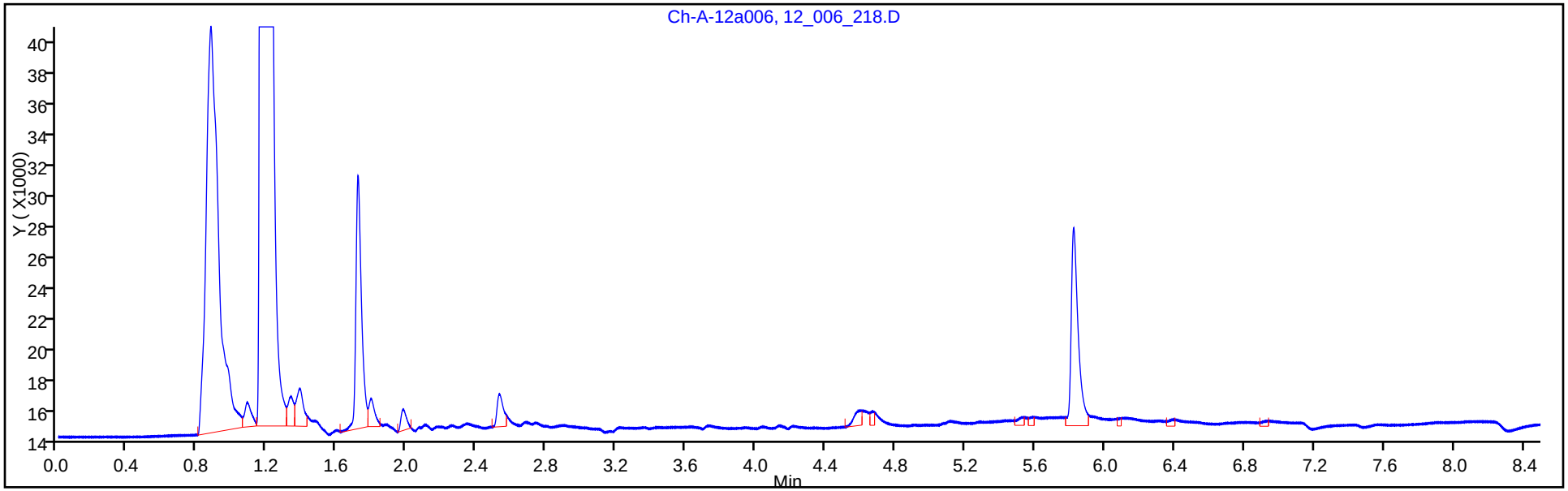
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TestAmerica Buffalo

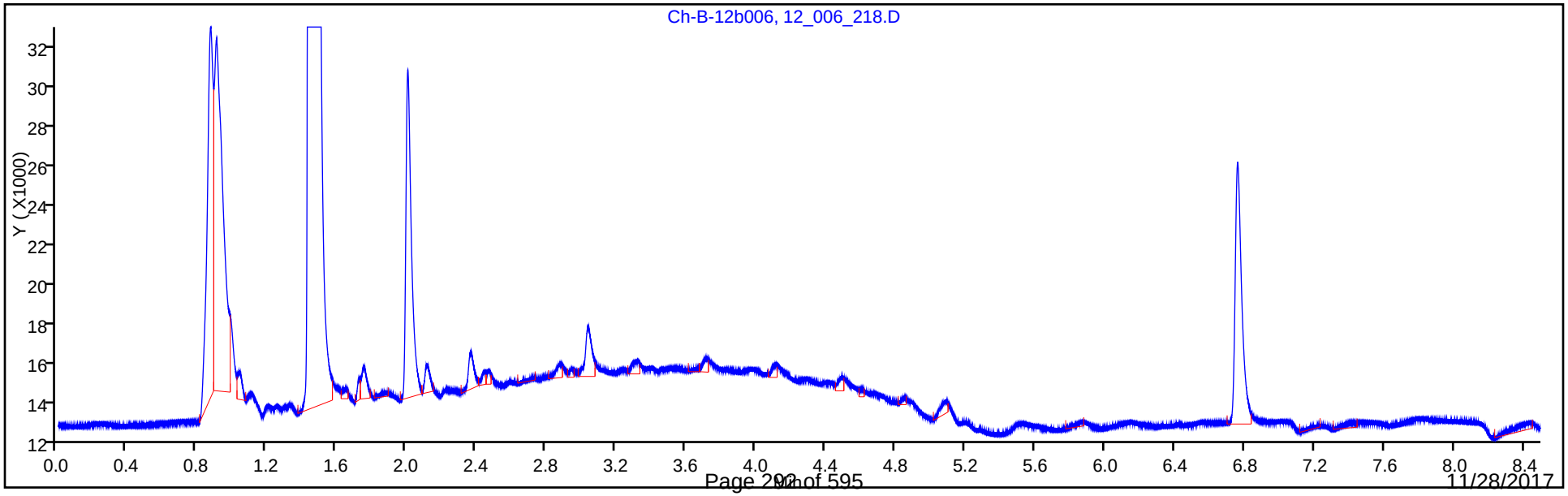
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_218.D

Injection Date:	24-Nov-2017 16:12:14	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-127885-A-7-A	Lab Sample ID:	480-127885-7	Worklist Smp#:	23
Client ID:	DUP-112017				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-127885-1

SDG No.:

Client Sample ID: DUP-112017 | Lab Sample ID: 480-127885-7

Matrix: Water | Lab File ID: 12_006_218.D

Analysis Method: 8082A | Date Collected: 11/20/2017 00:00

Extraction Method: 3510C | Date Extracted: 11/22/2017 07:54

Sample wt/vol: 250(mL) | Date Analyzed: 11/24/2017 16:12

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 389001 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	53		19-120
877-09-8	Tetrachloro-m-xylene	84		39-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_218.D
Lims ID: 480-127885-A-7-A
Client ID: DUP-112017
Sample Type: Client
Inject. Date: 24-Nov-2017 16:12:14 ALS Bottle#: 0 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 27-Nov-2017 11:31:00 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: gentnert Date: 27-Nov-2017 11:33:01

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.172	1.171	0.001	1184021	0.5000	
2	1.447	1.447	0.000	1197884	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.719	1.717	0.002	36094	0.0152	
2	2.005	2.005	0.000	35952	0.0168	
					RPD = 9.94	
$ 15 DCB Decachlorobiphenyl						
1	5.824	5.827	-0.003	35130	0.0113	
2	6.764	6.768	-0.004	34469	0.0107	
					RPD = 5.78	

Reagents:

COPPER_00070 Amount Added: 1.00 Units: g Run Reagent
PCB IS 1B2NB_00037 Amount Added: 10.00 Units: uL Run Reagent

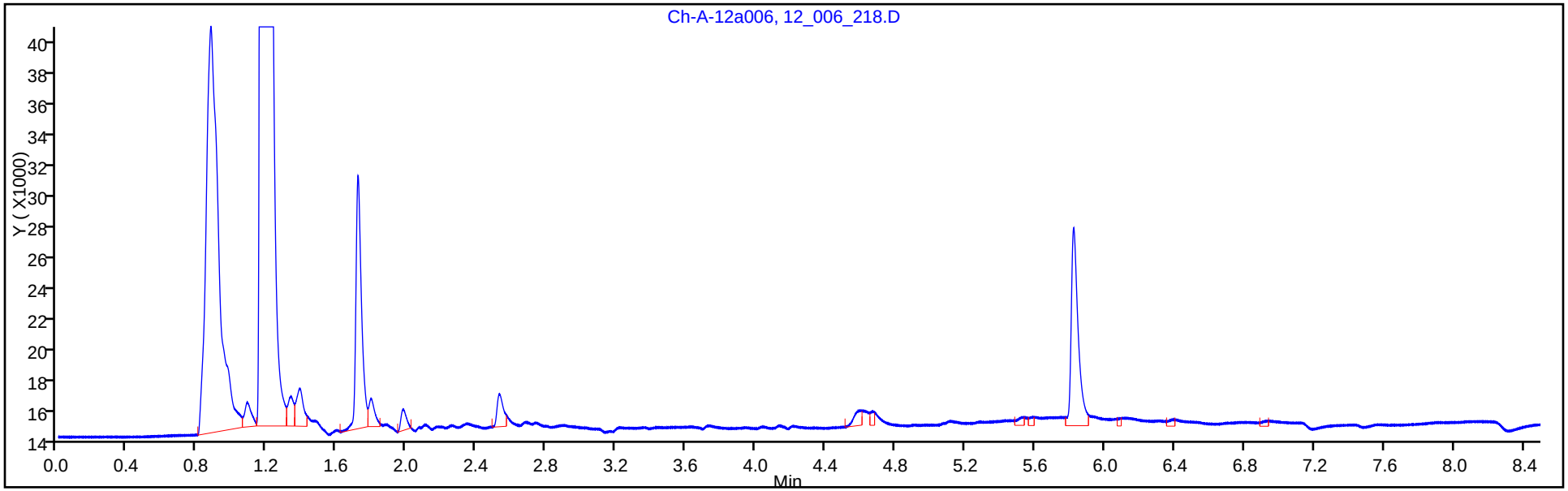
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TestAmerica Buffalo

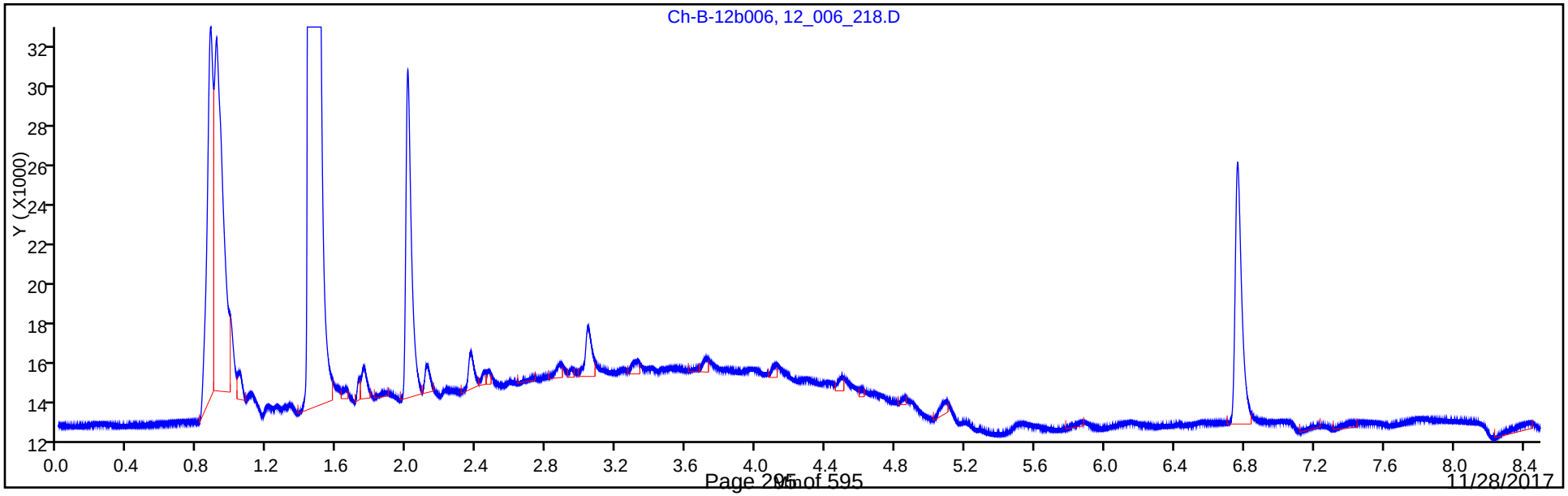
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_218.D

Injection Date:	24-Nov-2017 16:12:14	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-127885-A-7-A	Lab Sample ID:	480-127885-7	Worklist Smp#:	23
Client ID:	DUP-112017				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-127885-1

SDG No.:

Client Sample ID: FB-112117 | Lab Sample ID: 480-127885-8

Matrix: Water | Lab File ID: 12_006_219.D

Analysis Method: 8082A | Date Collected: 11/21/2017 11:30

Extraction Method: 3510C | Date Extracted: 11/22/2017 07:54

Sample wt/vol: 250(mL) | Date Analyzed: 11/24/2017 16:27

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 389001 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.50	0.18
11104-28-2	PCB-1221	ND		0.50	0.18
11141-16-5	PCB-1232	ND		0.50	0.18
53469-21-9	PCB-1242	ND		0.50	0.18
12672-29-6	PCB-1248	ND		0.50	0.18
11097-69-1	PCB-1254	ND		0.50	0.25
11096-82-5	PCB-1260	ND		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	43		19-120
877-09-8	Tetrachloro-m-xylene	83		39-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_219.D
Lims ID: 480-127885-B-8-A
Client ID: FB-112117
Sample Type: Client
Inject. Date: 24-Nov-2017 16:27:37 ALS Bottle#: 0 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 27-Nov-2017 11:33:23 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: gentnert Date: 27-Nov-2017 11:33:23

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.172	1.171	0.001	1159628	0.5000	
2	1.447	1.447	0.000	1175773	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.719	1.717	0.002	38804	0.0166	
2	2.004	2.005	-0.001	38669	0.0184	
					RPD = 9.83	
$ 15 DCB Decachlorobiphenyl						
1	5.823	5.827	-0.004	25970	0.008531	
2	6.765	6.768	-0.003	23946	0.007523	
					RPD = 12.57	

Reagents:

COPPER_00070	Amount Added: 1.00	Units: g	Run Reagent
PCB IS 1B2NB_00037	Amount Added: 10.00	Units: uL	Run Reagent

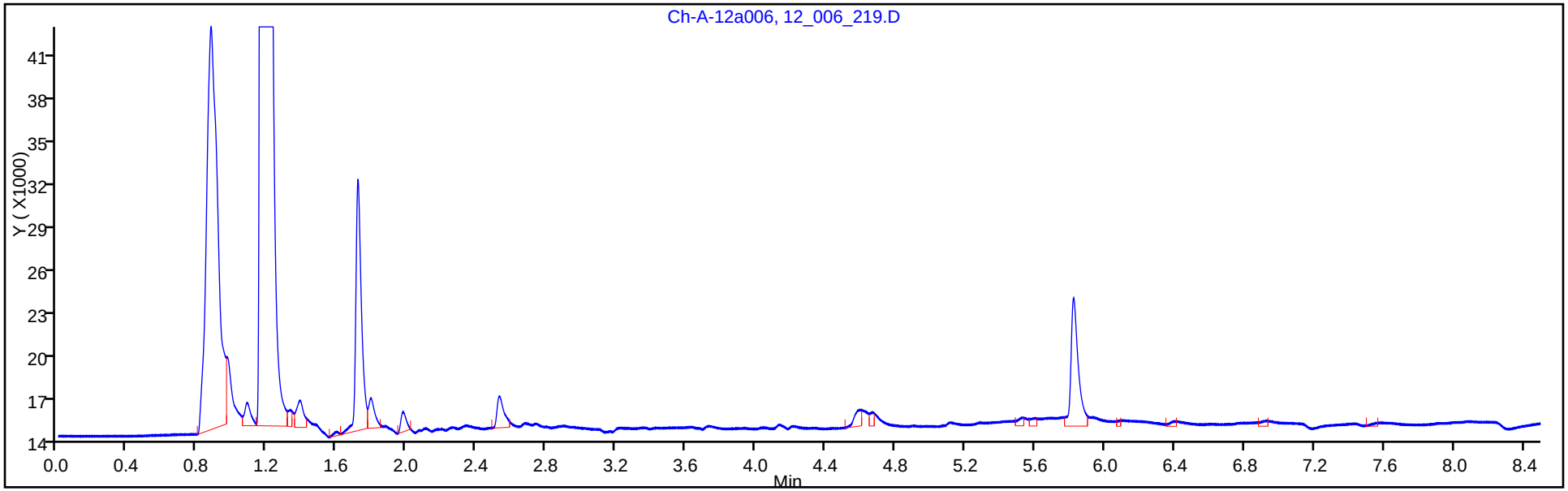
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TestAmerica Buffalo

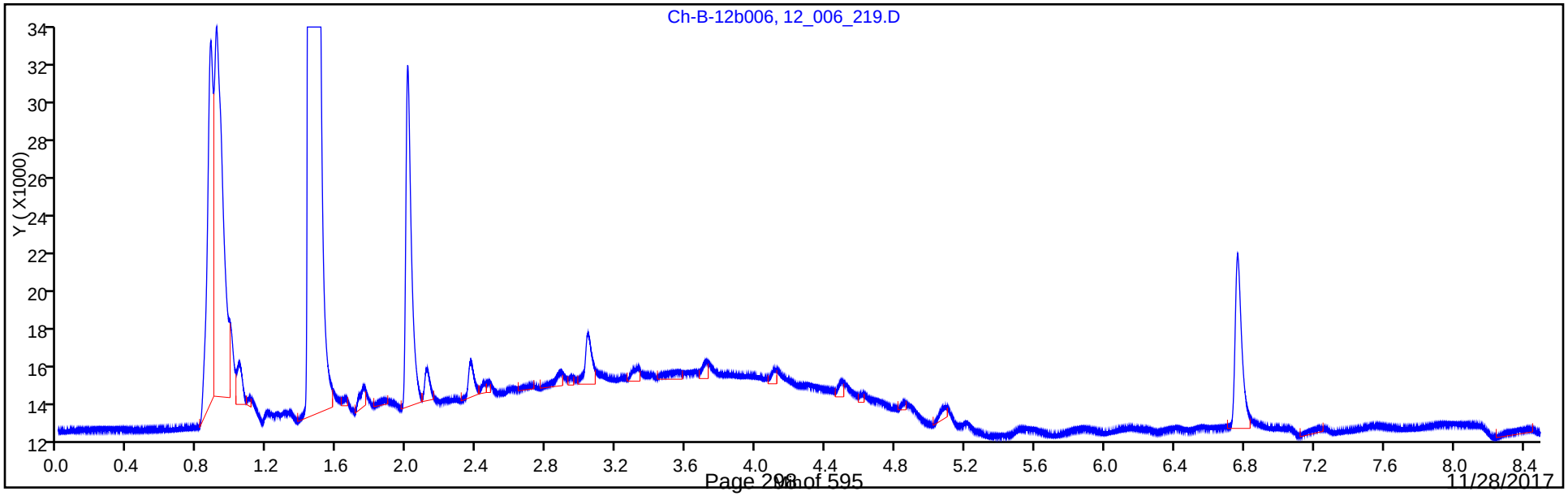
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_219.D

Injection Date:	24-Nov-2017 16:27:37	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-127885-B-8-A	Lab Sample ID:	480-127885-8	Worklist Smp#:	24
Client ID:	FB-112117				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-127885-1

SDG No.:

Client Sample ID: FB-112117 | Lab Sample ID: 480-127885-8

Matrix: Water | Lab File ID: 12_006_219.D

Analysis Method: 8082A | Date Collected: 11/21/2017 11:30

Extraction Method: 3510C | Date Extracted: 11/22/2017 07:54

Sample wt/vol: 250(mL) | Date Analyzed: 11/24/2017 16:27

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 389001 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	38		19-120
877-09-8	Tetrachloro-m-xylene	92		39-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_219.D
Lims ID: 480-127885-B-8-A
Client ID: FB-112117
Sample Type: Client
Inject. Date: 24-Nov-2017 16:27:37 ALS Bottle#: 0 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 27-Nov-2017 11:33:23 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: gentnert Date: 27-Nov-2017 11:33:23

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.172	1.171	0.001	1159628	0.5000	
2	1.447	1.447	0.000	1175773	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.719	1.717	0.002	38804	0.0166	
2	2.004	2.005	-0.001	38669	0.0184	
					RPD = 9.83	
$ 15 DCB Decachlorobiphenyl						
1	5.823	5.827	-0.004	25970	0.008531	
2	6.765	6.768	-0.003	23946	0.007523	
					RPD = 12.57	

Reagents:

COPPER_00070 Amount Added: 1.00 Units: g Run Reagent
PCB IS 1B2NB_00037 Amount Added: 10.00 Units: uL Run Reagent

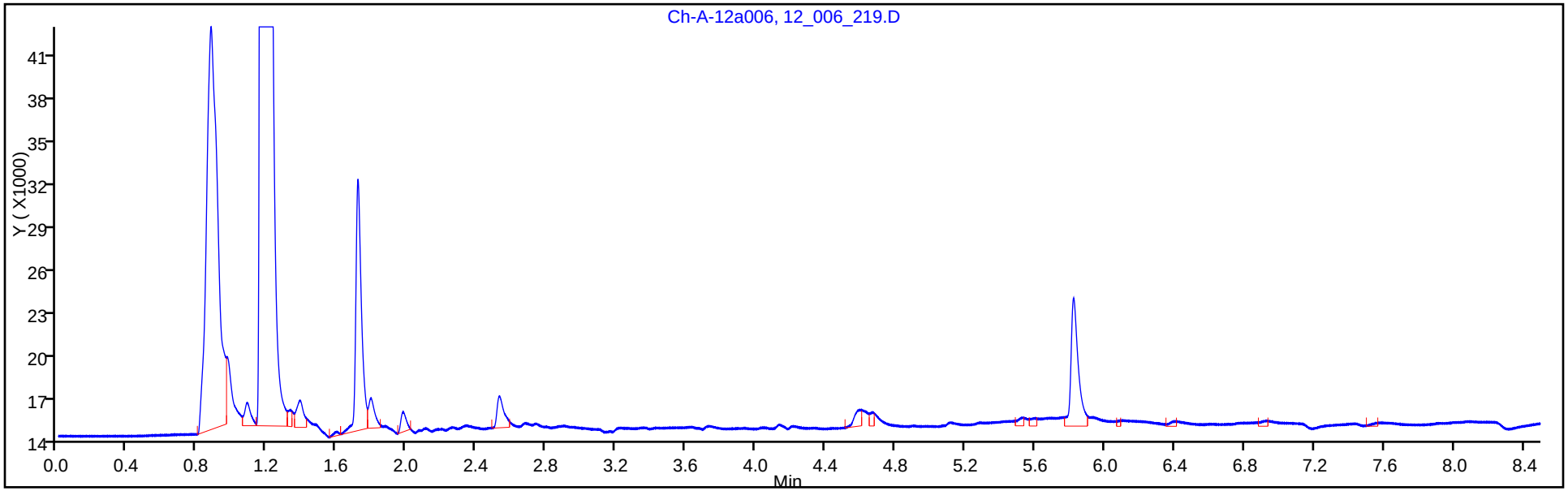
Report Date: 27-Nov-2017 11:33:24 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

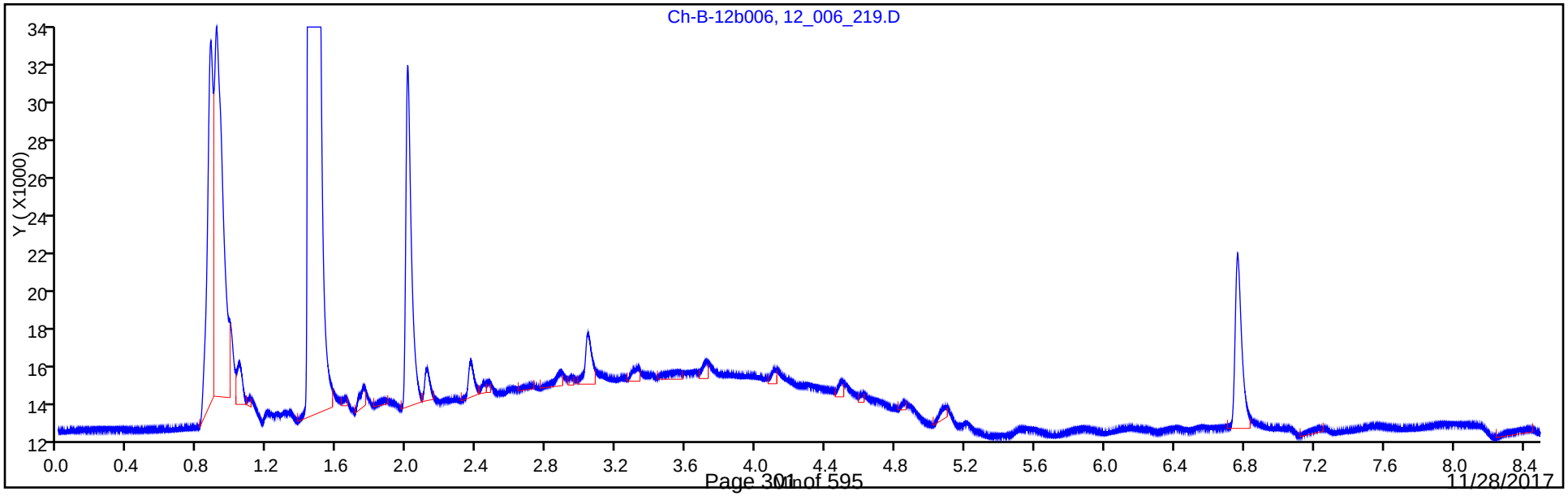
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Injection Date:	24-Nov-2017 16:27:37	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-127885-B-8-A	Lab Sample ID:	480-127885-8	Worklist Smp#:	24
Client ID:	FB-112117				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1 Analy Batch No.: 356902

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/11/2017 15:46 Calibration End Date: 05/11/2017 18:19 Calibration ID: 30527

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-356902/23	12_390m_220.D
Level 2	IC 480-356902/22	12_390m_219.D
Level 3	IC 480-356902/21	12_390m_218.D
Level 4	IC 480-356902/20	12_390m_217.D
Level 5	ICIS 480-356902/19	12_390m_216.D
Level 6	IC 480-356902/18	12_390m_215.D
Level 7	IC 480-356902/17	12_390m_214.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 4	LVL 5		B	M1	M2								
PCB-1016 Peak 1	0.0245 0.0270	0.0307 0.0238	0.0266	0.0297	0.0281	Ave		0.0272				9.3		20.0			
PCB-1016 Peak 2	0.0245 0.0295	0.0310 0.0273	0.0289	0.0313	0.0302	Ave		0.0290				8.2		20.0			
PCB-1016 Peak 3	0.0947 0.0962	0.1056 0.0902	0.1022	0.1034	0.0991	Ave		0.0988				5.5		20.0			
PCB-1016 Peak 4	0.0591 0.0392	0.0479 0.0366	0.0416	0.0423	0.0399	Lin1	0.0005	0.0375							0.9990		0.9900
PCB-1016 Peak 5	0.0300 0.0246	0.0288 0.0229	0.0234	0.0247	0.0242	Lin1	0.0002	0.0234							0.9990		0.9900
PCB-1260 Peak 1	0.1066 0.0548	0.0783 0.0544	0.0732	0.0691	0.0604	Lin1	0.0013	0.0548							0.9970		0.9900
PCB-1260 Peak 2	0.1113 0.0786	0.0828 0.0748	0.0867	0.0829	0.0784	Lin1	0.0007	0.0760							0.9990		0.9900
PCB-1260 Peak 3	0.0386 0.0439	0.0433 0.0412	0.0473	0.0474	0.0445	Ave		0.0437				7.2		20.0			
PCB-1260 Peak 4	0.0250 0.0371	0.0380 0.0360	0.0370	0.0358	0.0367	Lin1	0	0.0366							0.9990		0.9900
PCB-1260 Peak 5	0.0836 0.0501	0.0494 0.0492	0.0513	0.0488	0.0486	Lin1	0.0004	0.0487							0.9990		0.9900
Tetrachloro-m-xylene	0.7647 1.0454	0.8733 1.0044	0.8271	0.9752	0.9808	Lin1	0	1.0160							0.9990		0.9900
DCB Decachlorobiphenyl	1.3330 1.3312	1.2777 1.3220	1.3546	1.2758	1.2935	Ave		1.3125				2.3		20.0			

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1 Analy Batch No.: 356902

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/11/2017 15:46 Calibration End Date: 05/11/2017 18:19 Calibration ID: 30527

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-356902/23	12_390m_220.D
Level 2	IC 480-356902/22	12_390m_219.D
Level 3	IC 480-356902/21	12_390m_218.D
Level 4	IC 480-356902/20	12_390m_217.D
Level 5	ICIS 480-356902/19	12_390m_216.D
Level 6	IC 480-356902/18	12_390m_215.D
Level 7	IC 480-356902/17	12_390m_214.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	BNB	Ave	1232 66140	3817 113721	6478	15036	34907	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 2	BNB	Ave	1234 72358	3863 130483	7014	15855	37488	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 3	BNB	Ave	4764 235761	13140 430879	24849	52434	123085	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 4	BNB	Lin1	2976 96162	5959 175066	10105	21437	49584	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 5	BNB	Lin1	1510 60376	3582 109435	5681	12533	30097	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 1	BNB	Lin1	5364 134181	9740 260007	17798	35011	75072	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 2	BNB	Lin1	5599 192588	10306 357275	21079	42034	97345	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 3	BNB	Ave	1941 107623	5394 196587	11503	24020	55281	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 4	BNB	Lin1	1257 91027	4723 171815	9001	18160	45564	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 5	BNB	Lin1	4207 122865	6147 234875	12480	24761	60333	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
Tetrachloro-m-xylene	BNB	Lin1	962 64039	2717 119949	5027	12358	30459	0.000500 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125
DCB Decachlorobiphenyl	BNB	Ave	1677 81549	3975 157874	8233	16167	40170	0.000500 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_214.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 11-May-2017 15:46:31 ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:50:46 Calib Date: 12-May-2017 17:50:21
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_240.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 15-May-2017 13:50:39

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.318	1.335	-0.017	1194213	0.5000	0.5000	
2	1.616	1.603	0.013	1059943	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.916	1.892	0.024	119949	0.0500	0.0496	M
2	2.205	2.202	0.003	98537	0.0500	0.0518	
						RPD = 4.26	
9 PCB-1016							M
1	2.120	2.123	-0.003	113721	2.00	1.75	M
1	2.503	2.521	-0.018	130483	2.00	1.89	M
1	2.676	2.681	-0.005	430879	2.00	1.83	M
1	2.749	2.758	-0.009	175066	2.00	1.94	M
1	2.802	2.803	-0.001	109435	2.00	1.95	M
		Average of Peak Amounts =				1.87	
2	2.613	2.627	-0.014	83522	2.00	1.96	
2	2.933	2.938	-0.005	170236	2.00	1.93	M
2	3.146	3.146	0.000	109428	2.00	1.98	M
2	3.245	3.249	-0.004	338084	2.00	1.99	M
2	3.363	3.364	-0.001	139181	2.00	1.96	M
		Average of Peak Amounts =				1.96	
						RPD = 4.91	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.186	4.185	0.001	260007	2.00	1.96	M
1	4.404	4.402	0.002	357275	2.00	1.96	M
1	4.530	4.563	-0.033	196587	2.00	1.88	M
1	4.713	4.711	0.002	171815	2.00	1.97	M
1	5.149	5.146	0.003	234875	2.00	2.01	M
		Average of Peak Amounts =				1.96	
2	5.129	5.128	0.001	216459	2.00	1.96	M
2	5.449	5.448	0.001	181227	2.00	1.98	M
2	5.517	5.515	0.002	135872	2.00	1.98	M
2	5.583	5.581	0.002	483176	2.00	1.97	M
2	5.956	5.954	0.002	321662	2.00	1.99	M
		Average of Peak Amounts =				1.98	
						RPD = 1.00	
$ 15 DCB Decachlorobiphenyl							
1	6.193	6.187	0.006	157874	0.0500	0.0504	
2	7.247	7.248	-0.001	140307	0.0500	0.0494	
						RPD = 1.89	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is2.0_00005 Amount Added: 1.00 Units: mL

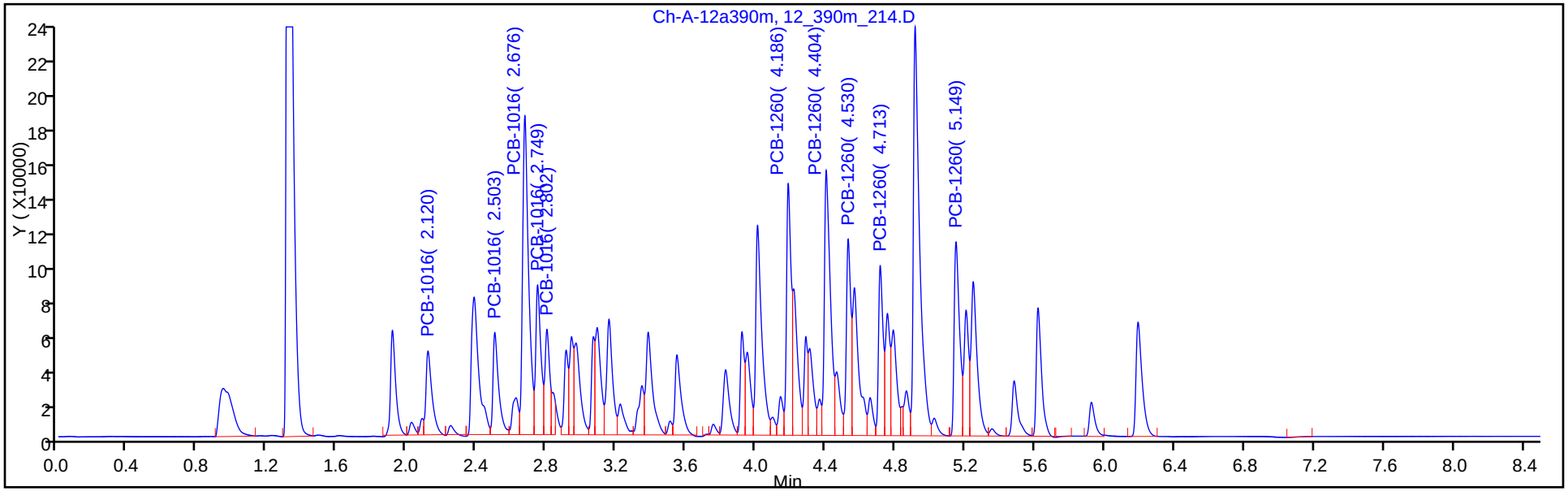
Report Date: 15-May-2017 13:50:47 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

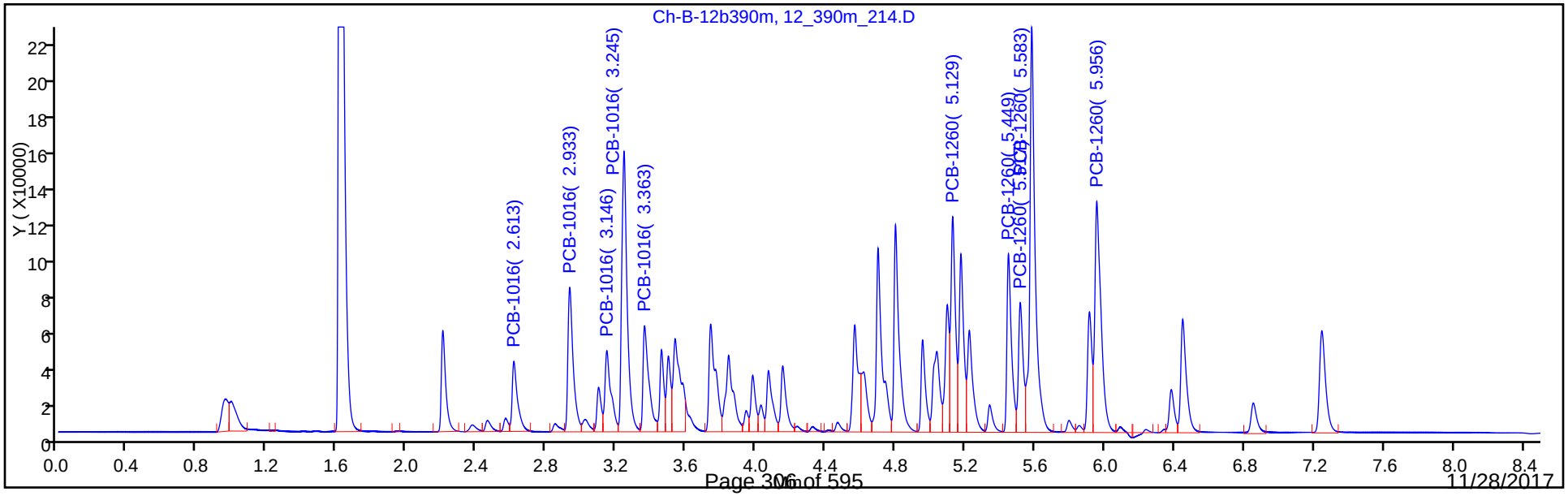
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Injection Date:	11-May-2017 15:46:31	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 7			Worklist Smp#:	17
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

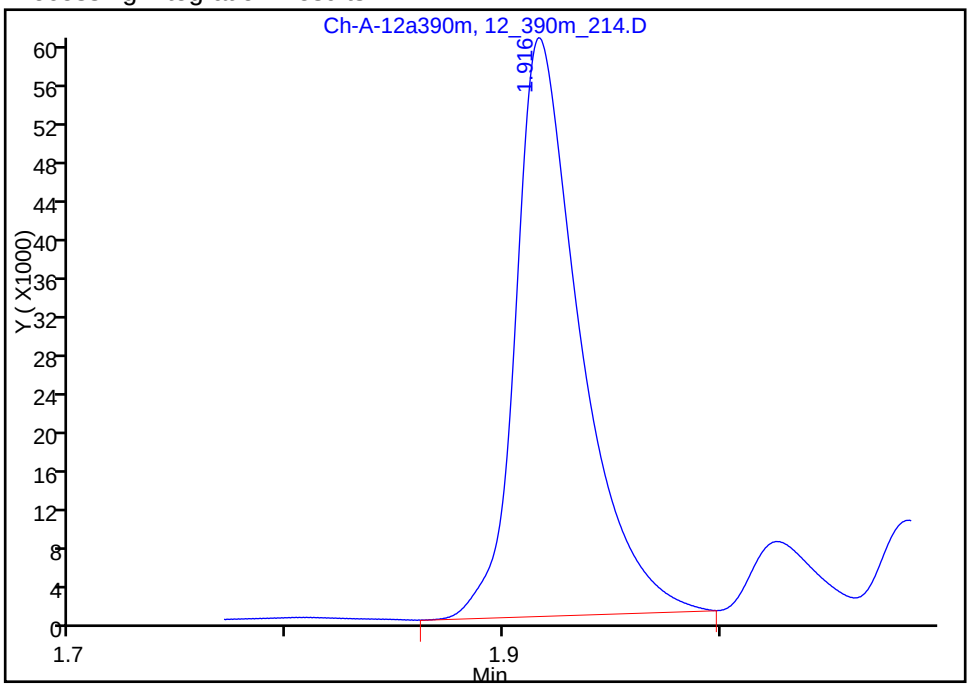
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Injection Date: 11-May-2017 15:46:31 Instrument ID: HP5890-12
Lims ID: IC 7
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 1

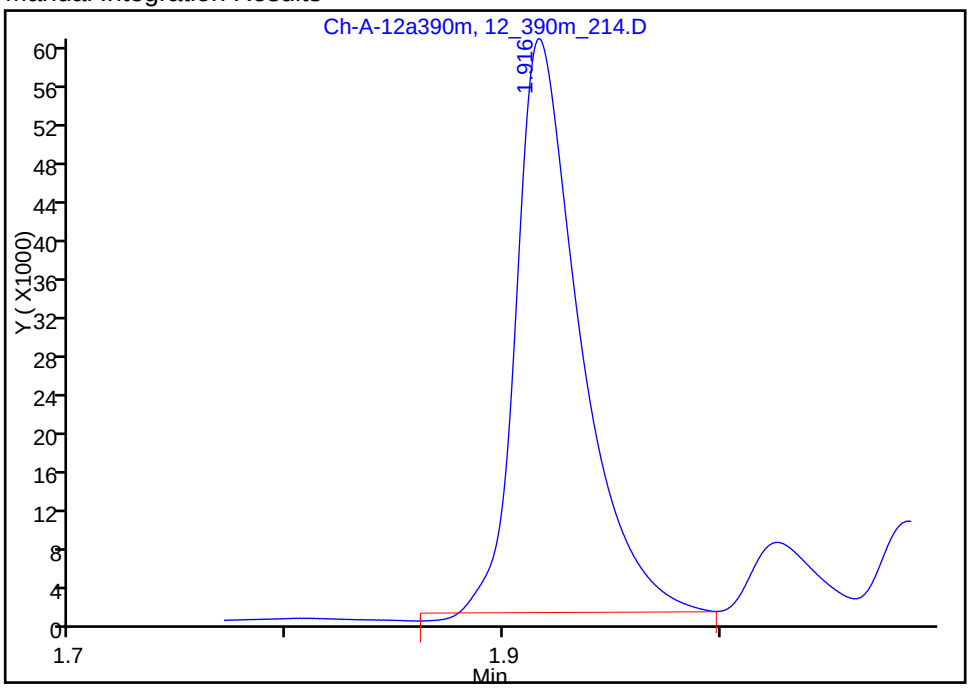
Processing Integration Results

RT: 1.92
Area: 123311
Amount: 0.050226
Amount Units: ng/uL



Manual Integration Results

RT: 1.92
Area: 119949
Amount: 0.049607
Amount Units: ng/uL



Reviewer: owenj, 11-May-2017 16:53:28
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

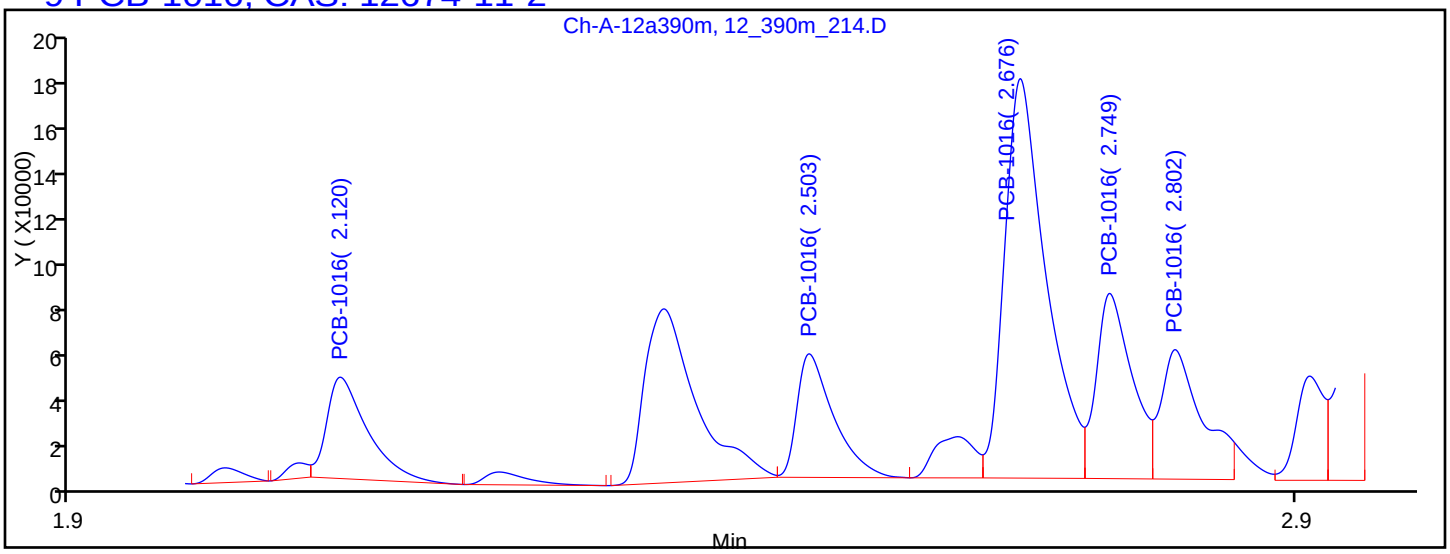
Report Date: 15-May-2017 13:50:47 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

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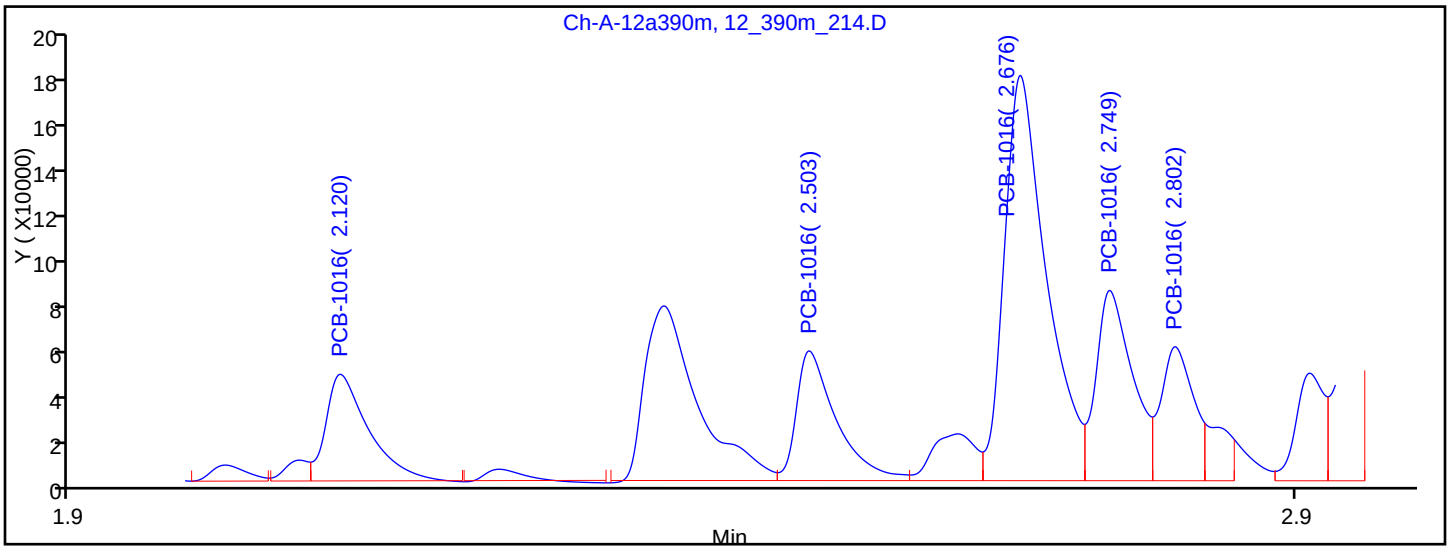
Injection Date:	11-May-2017 15:46:31	Instrument ID:	HP5890-12		
Lims ID:	IC 7				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.120	Response = 104592
2.503	Response = 113817
2.676	Response = 419232
2.749	Response = 168052
2.802	Response = 134620



Manual Integration Results

2.120	Response = 113721	M
2.503	Response = 130483	M
2.676	Response = 430879	M
2.749	Response = 175066	M
2.802	Response = 109435	M

Reviewer: owenj, 11-May-2017 16:53:27

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 15-May-2017 13:50:47 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_214.D

Injection Date: 11-May-2017 15:46:31 Instrument ID: HP5890-12

Lims ID: IC 7

Client ID:

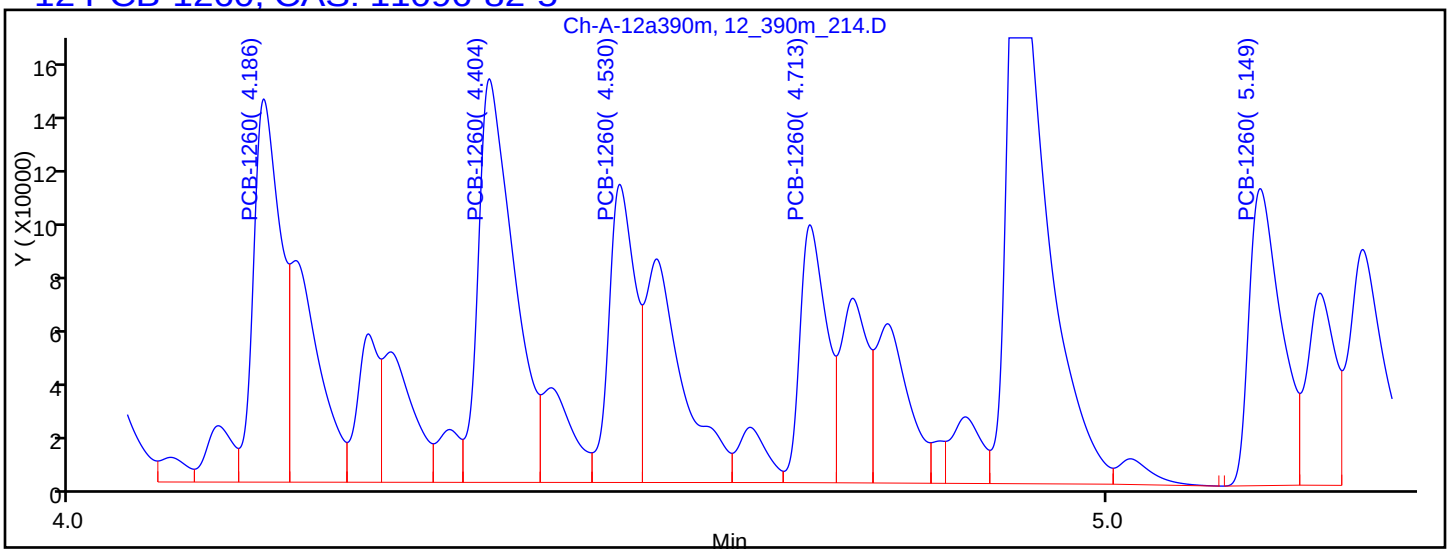
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 17

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

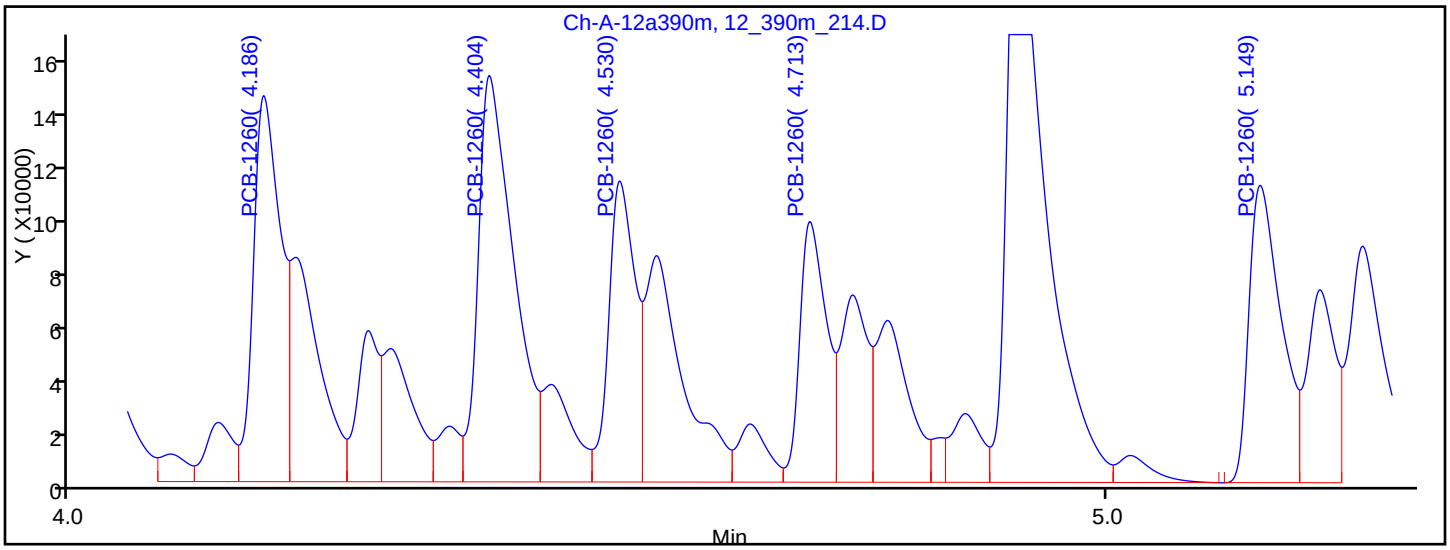
Column: Detector Ch-A-7A136

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

4.186	Response = 256982
4.404	Response = 352715
4.530	Response = 193580
4.713	Response = 168649
5.149	Response = 234404



Manual Integration Results

4.186	Response = 260007	M
4.404	Response = 357275	M
4.530	Response = 196587	M
4.713	Response = 171815	M
5.149	Response = 234875	M

Reviewer: owenj, 11-May-2017 16:53:25

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_215.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 11-May-2017 16:01:52 ALS Bottle#: 0 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:50:50 Calib Date: 12-May-2017 17:50:21
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_240.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 12-May-2017 15:33:10

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.318	1.335	-0.017	1225188	0.5000	0.5000	
2	1.616	1.603	0.013	1094893	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.917	1.892	0.025	64039	0.0250	0.0259	M
2	2.207	2.202	0.005	48270	0.0250	0.0246	
						RPD = 5.18	
9 PCB-1016							M
1	2.121	2.123	-0.002	66140	1.00	0.99	M
1	2.504	2.521	-0.017	72358	1.00	1.02	M
1	2.677	2.681	-0.004	235761	1.00	0.9741	M
1	2.750	2.758	-0.008	96162	1.00	1.03	M
1	2.803	2.803	0.000	60376	1.00	1.04	M
		Average of Peak Amounts =				1.01	
2	2.615	2.627	-0.012	44352	1.00	1.00	
2	2.935	2.938	-0.003	92451	1.00	1.01	M
2	3.147	3.146	0.001	56659	1.00	1.00	M
2	3.246	3.249	-0.003	176641	1.00	1.00	M
2	3.364	3.364	0.000	72644	1.00	0.99	M
		Average of Peak Amounts =				1.00	
						RPD = 1.27	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.187	4.185	0.002	134181	1.00	0.9760	M
1	4.404	4.402	0.002	192588	1.00	1.03	M
1	4.530	4.563	-0.033	107623	1.00	1.00	M
1	4.715	4.711	0.004	91027	1.00	1.02	M
1	5.149	5.146	0.003	122865	1.00	1.02	M
		Average of Peak Amounts =				1.01	
2	5.130	5.128	0.002	115663	1.00	1.01	
2	5.451	5.448	0.003	95144	1.00	1.00	
2	5.517	5.515	0.002	71243	1.00	1.00	
2	5.583	5.581	0.002	255646	1.00	1.01	
2	5.956	5.954	0.002	167370	1.00	1.00	
		Average of Peak Amounts =				1.00	
						RPD = 0.38	
$ 15 DCB Decachlorobiphenyl							M
1	6.194	6.187	0.007	81549	0.0250	0.0254	M
2	7.247	7.248	-0.001	74030	0.0250	0.0252	
						RPD = 0.64	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is1.0_00006 Amount Added: 1.00 Units: mL

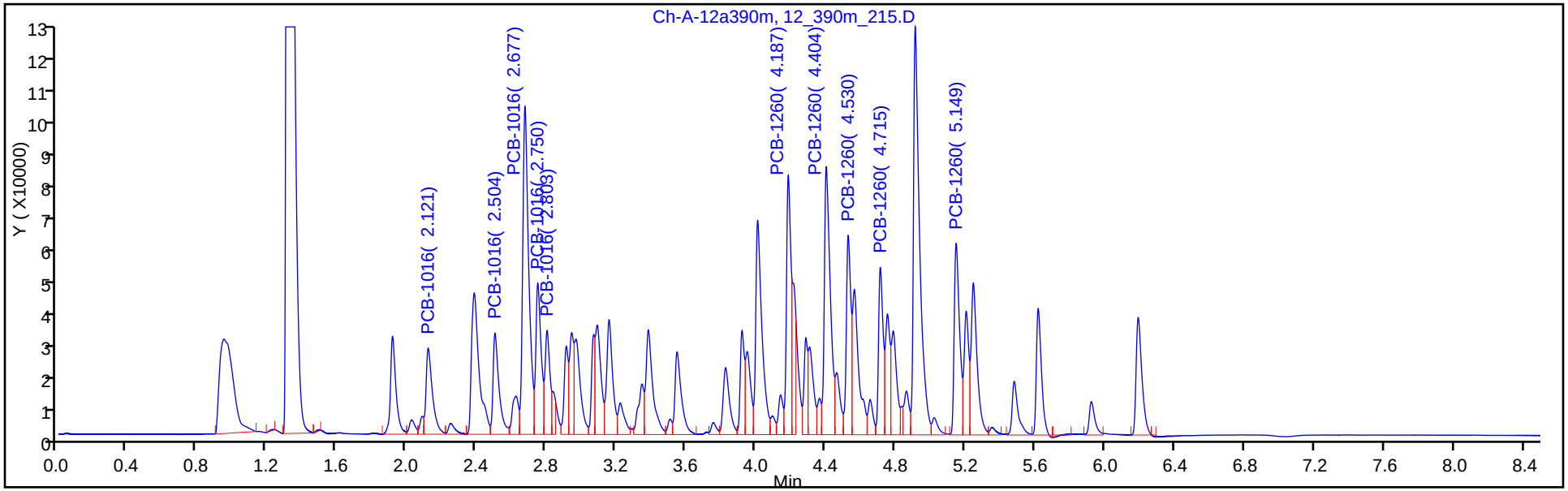
Report Date: 15-May-2017 13:50:51 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

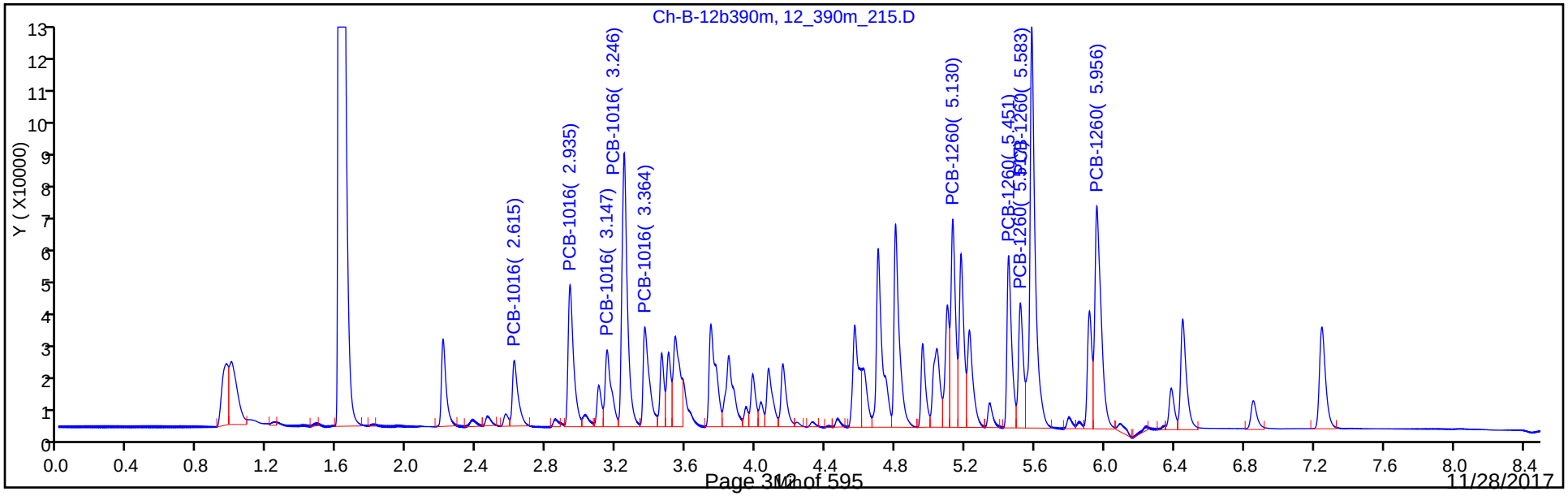
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Injection Date:	11-May-2017 16:01:52	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 6			Worklist Smp#:	18
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

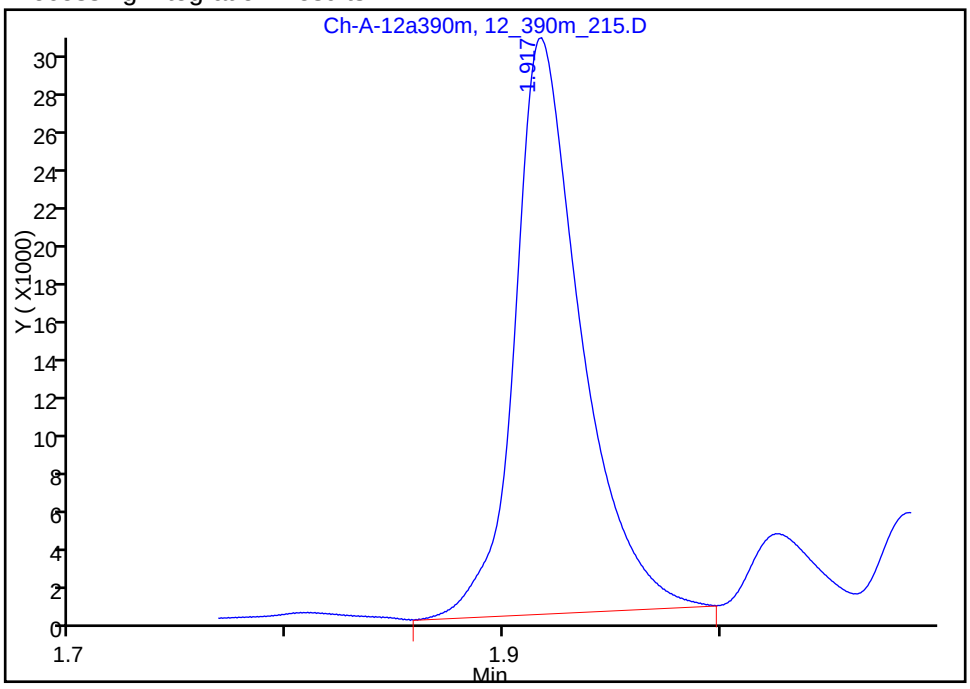
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Injection Date: 11-May-2017 16:01:52 Instrument ID: HP5890-12
Lims ID: IC 6
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 1

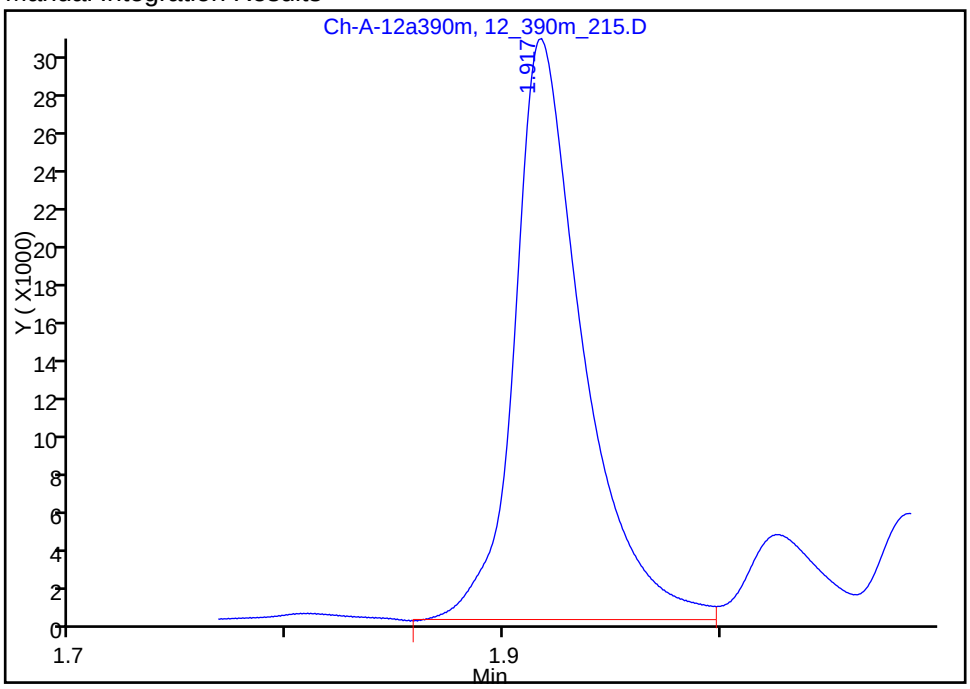
Processing Integration Results

RT: 1.92
Area: 61733
Amount: 0.025221
Amount Units: ng/uL



Manual Integration Results

RT: 1.92
Area: 64039
Amount: 0.025900
Amount Units: ng/uL



Reviewer: owenj, 12-May-2017 15:32:57
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

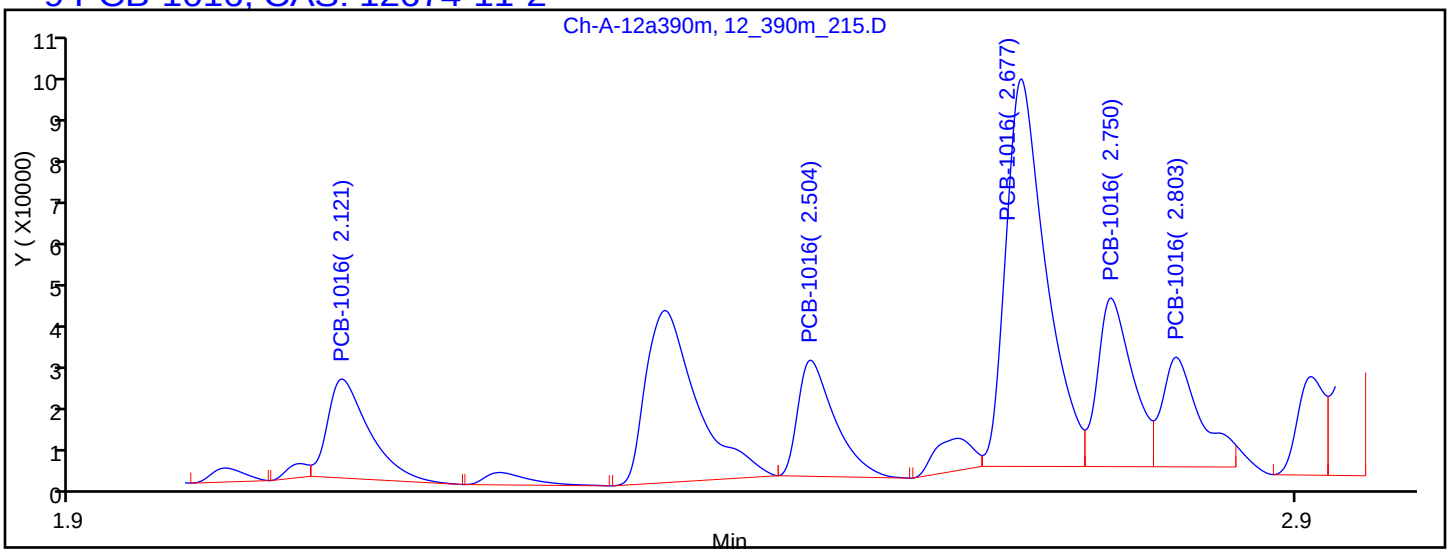
Report Date: 15-May-2017 13:50:51 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_215.D

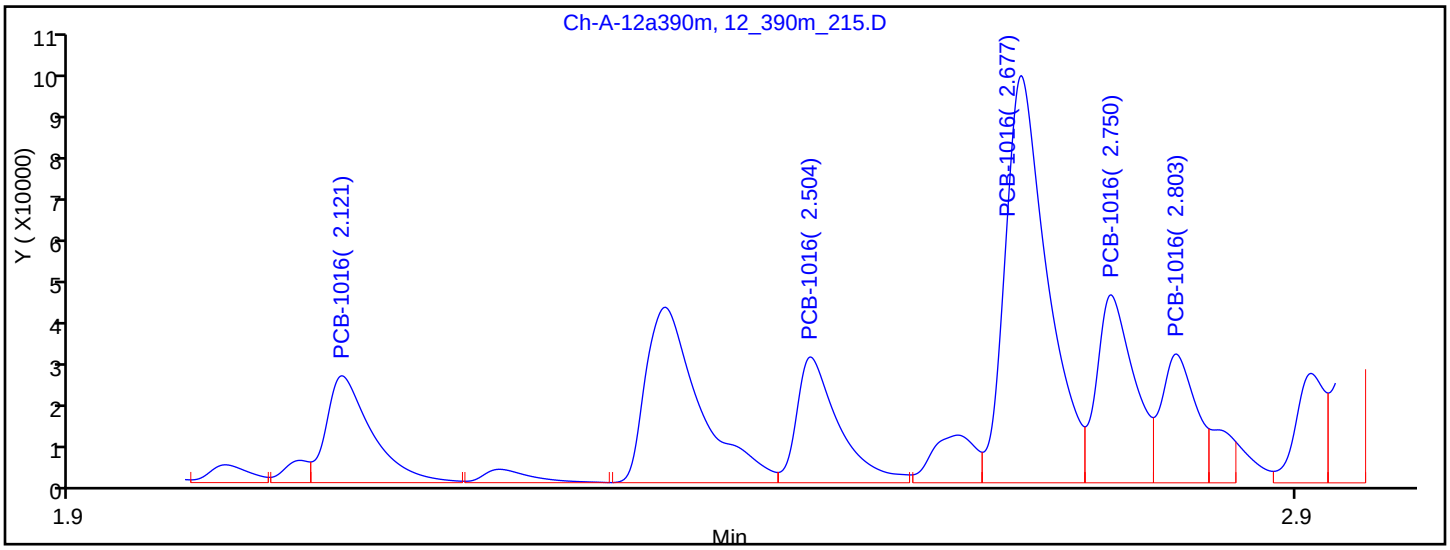
Injection Date:	11-May-2017 16:01:52	Instrument ID:	HP5890-12		
Lims ID:	IC 6				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.121	Response = 56431
2.504	Response = 58393
2.677	Response = 212118
2.750	Response = 80540
2.803	Response = 57733



Manual Integration Results

2.121	Response = 66140	M
2.504	Response = 72358	M
2.677	Response = 235761	M
2.750	Response = 96162	M
2.803	Response = 60376	M

Reviewer: owenj, 12-May-2017 15:32:57

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

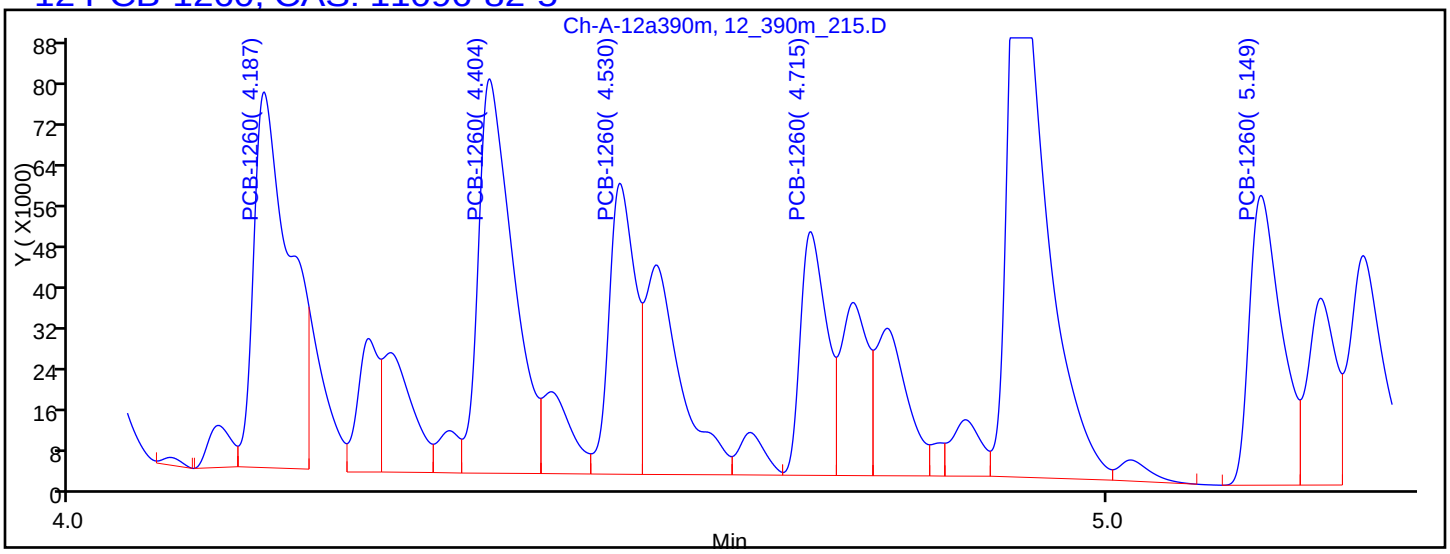
Report Date: 15-May-2017 13:50:51 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_215.D

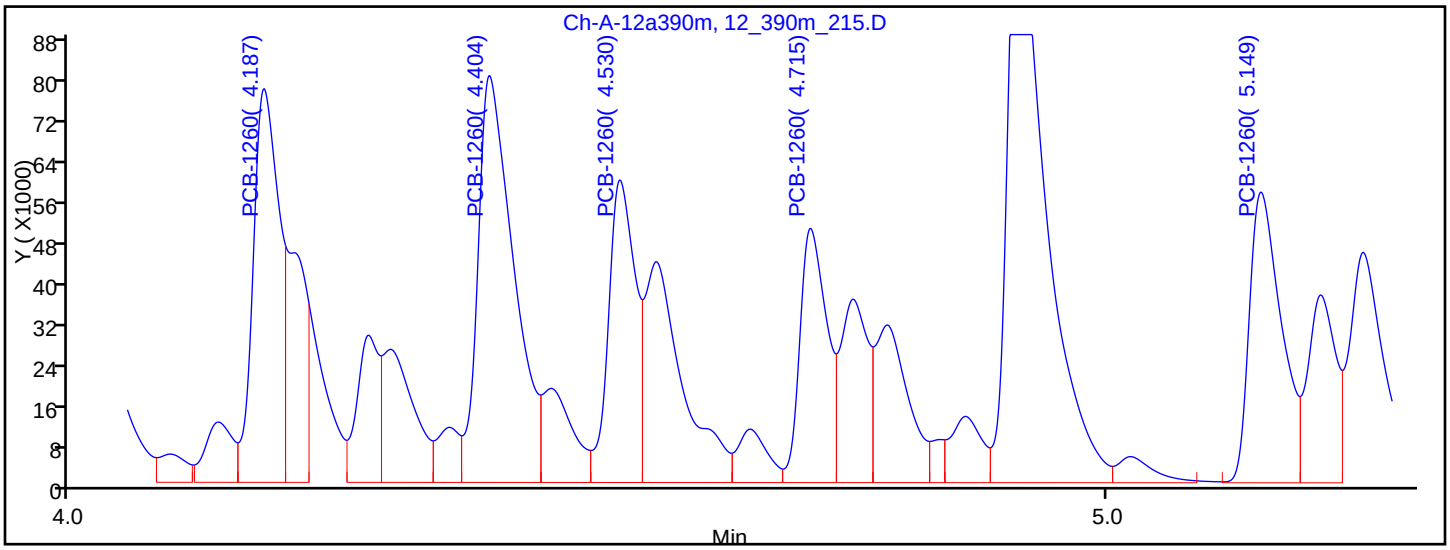
Injection Date:	11-May-2017 16:01:52	Instrument ID:	HP5890-12		
Lims ID:	IC 6				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

4.187	Response = 178277
4.404	Response = 181300
4.530	Response = 100776
4.715	Response = 84534
5.149	Response = 122031



Manual Integration Results

4.187	Response = 134181	M
4.404	Response = 192588	M
4.530	Response = 107623	M
4.715	Response = 91027	M
5.149	Response = 122865	M

Reviewer: owenj, 12-May-2017 15:33:01

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

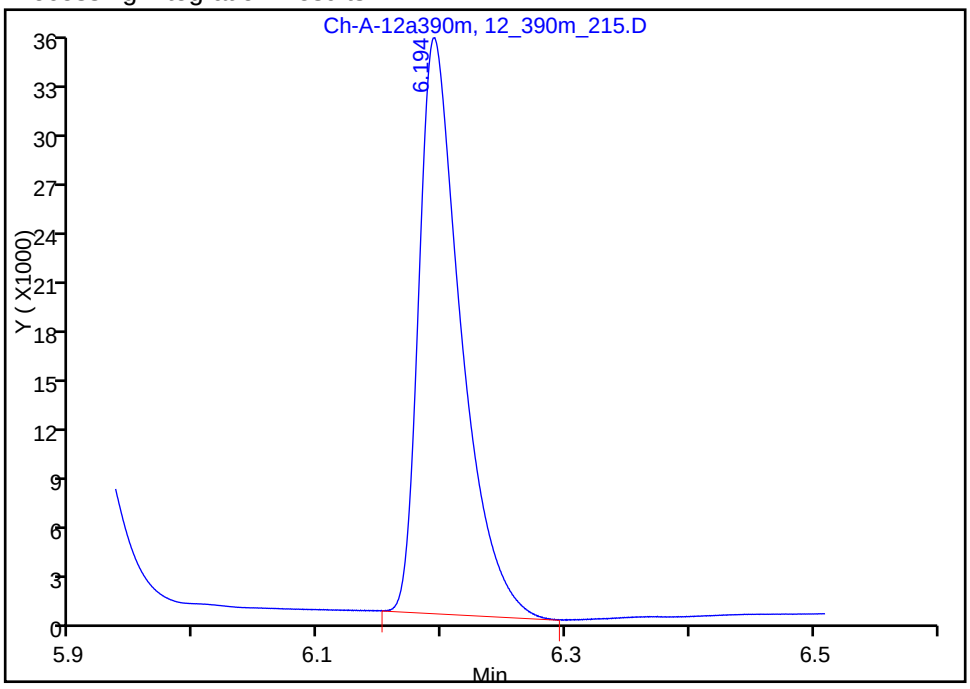
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Injection Date: 11-May-2017 16:01:52 Instrument ID: HP5890-12
Lims ID: IC 6
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

$ 15 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 1

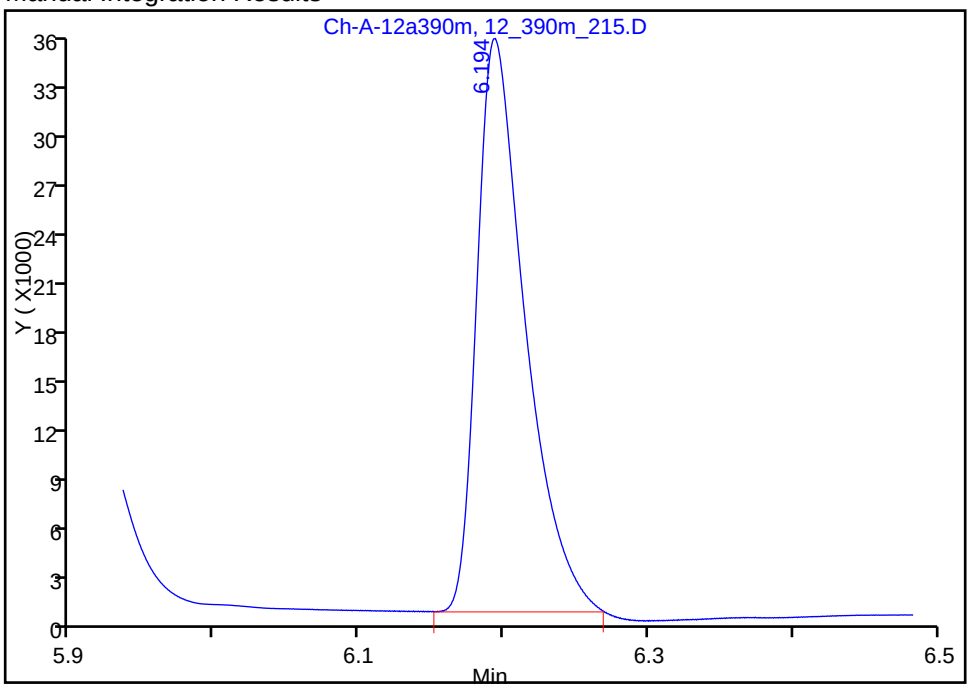
Processing Integration Results

RT: 6.19
Area: 83417
Amount: 0.025457
Amount Units: ng/uL



Manual Integration Results

RT: 6.19
Area: 81549
Amount: 0.025356
Amount Units: ng/uL



Reviewer: owenj, 12-May-2017 16:03:07
Audit Action: Split an Integrated Peak Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_216.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 11-May-2017 16:17:12 ALS Bottle#: 0 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:50:53 Calib Date: 12-May-2017 17:50:21
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_240.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 12-May-2017 15:33:58

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.319	1.319	0.000	1242256	0.5000	0.5000	
2	1.617	1.617	0.000	1109432	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.917	1.917	0.000	30459	0.0125	0.0122	M
2	2.207	2.207	0.000	23415	0.0125	0.0118	M
						RPD = 3.56	
9 PCB-1016							M
1	2.123	2.123	0.000	34907	0.5000	0.5166	M
1	2.505	2.505	0.000	37488	0.5000	0.5210	M
1	2.677	2.677	0.000	123085	0.5000	0.5016	M
1	2.751	2.751	0.000	49584	0.5000	0.5186	M
1	2.803	2.803	0.000	30097	0.5000	0.5096	M
		Average of Peak Amounts =				0.5135	
2	2.616	2.616	0.000	24469	0.5000	0.5356	M
2	2.936	2.936	0.000	49784	0.5000	0.5328	M
2	3.147	3.147	0.000	30139	0.5000	0.5235	M
2	3.246	3.246	0.000	90874	0.5000	0.5075	M
2	3.364	3.364	0.000	37865	0.5000	0.5095	M
		Average of Peak Amounts =				0.5218	
						RPD = 1.60	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.187	4.187	0.000	75072	0.5000	0.5281	M
1	4.405	4.405	0.000	97345	0.5000	0.5064	
1	4.531	4.531	0.000	55281	0.5000	0.5087	
1	4.714	4.714	0.000	45564	0.5000	0.5047	
1	5.149	5.149	0.000	60333	0.5000	0.4889	M
		Average of Peak Amounts =				0.5074	
2	5.130	5.130	0.000	58672	0.5000	0.5040	
2	5.450	5.450	0.000	48489	0.5000	0.4990	
2	5.518	5.518	0.000	37018	0.5000	0.5086	
2	5.583	5.583	0.000	129530	0.5000	0.5025	
2	5.955	5.955	0.000	84773	0.5000	0.5009	
		Average of Peak Amounts =				0.5030	
						RPD = 0.86	
$ 15 DCB Decachlorobiphenyl							M
1	6.192	6.192	0.000	40170	0.0125	0.0123	M
2	7.245	7.245	0.000	38140	0.0125	0.0128	
						RPD = 3.55	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is0.5_00005 Amount Added: 1.00 Units: mL

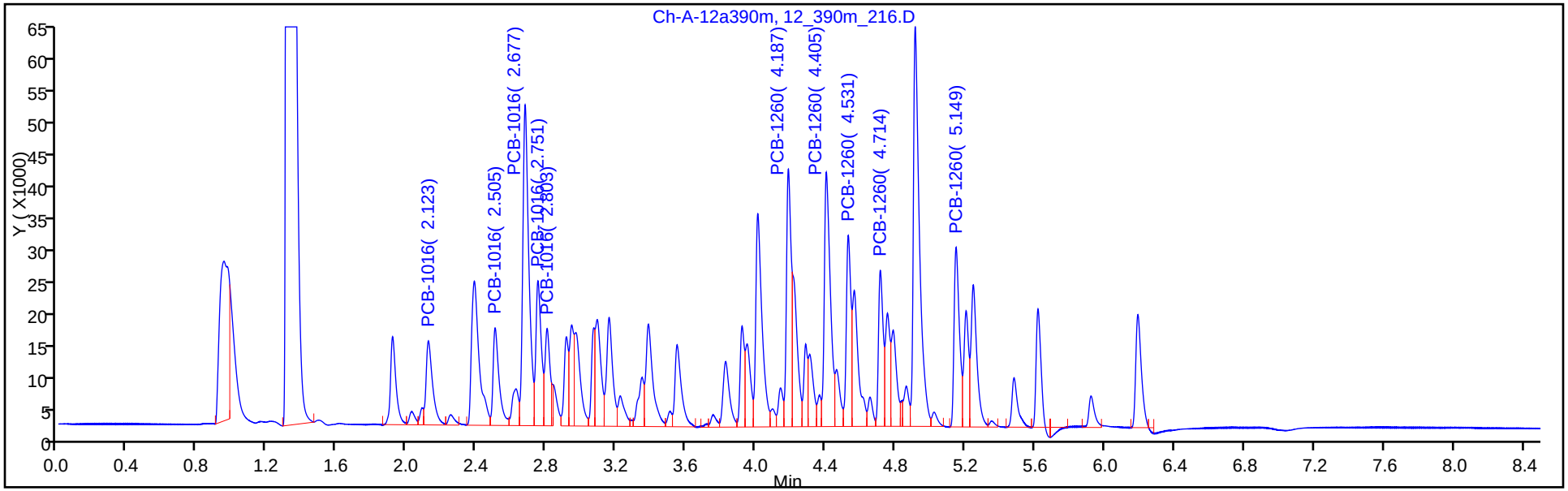
Report Date: 15-May-2017 13:50:54 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

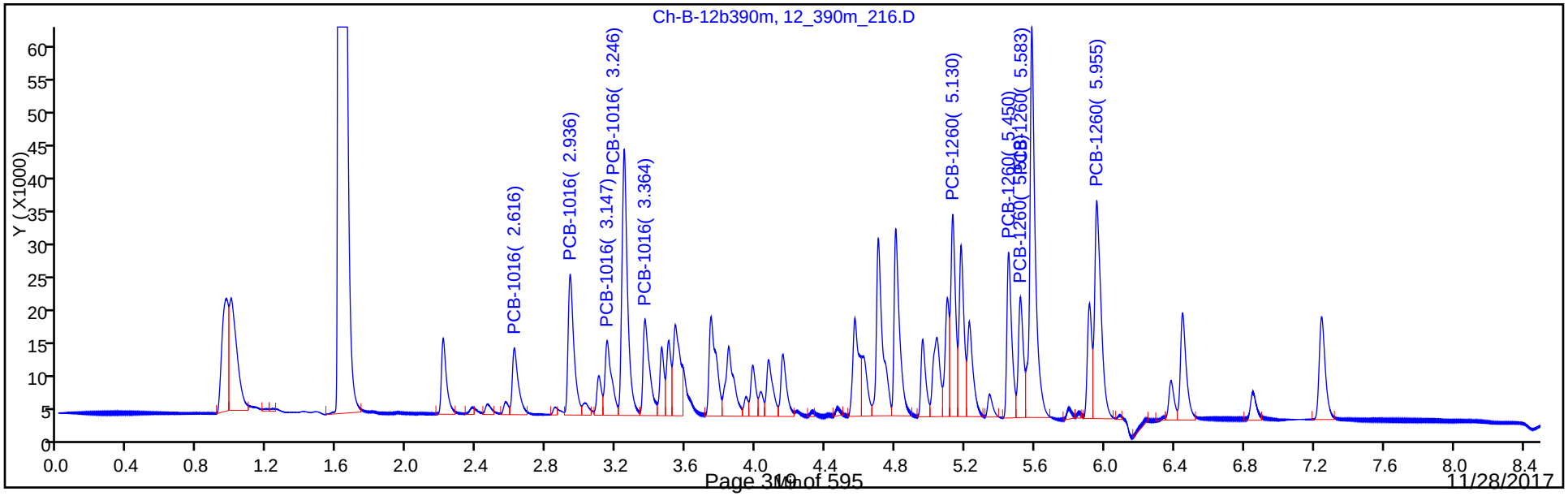
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_216.D

Injection Date:	11-May-2017 16:17:12	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	ICIS 5			Worklist Smp#:	19
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

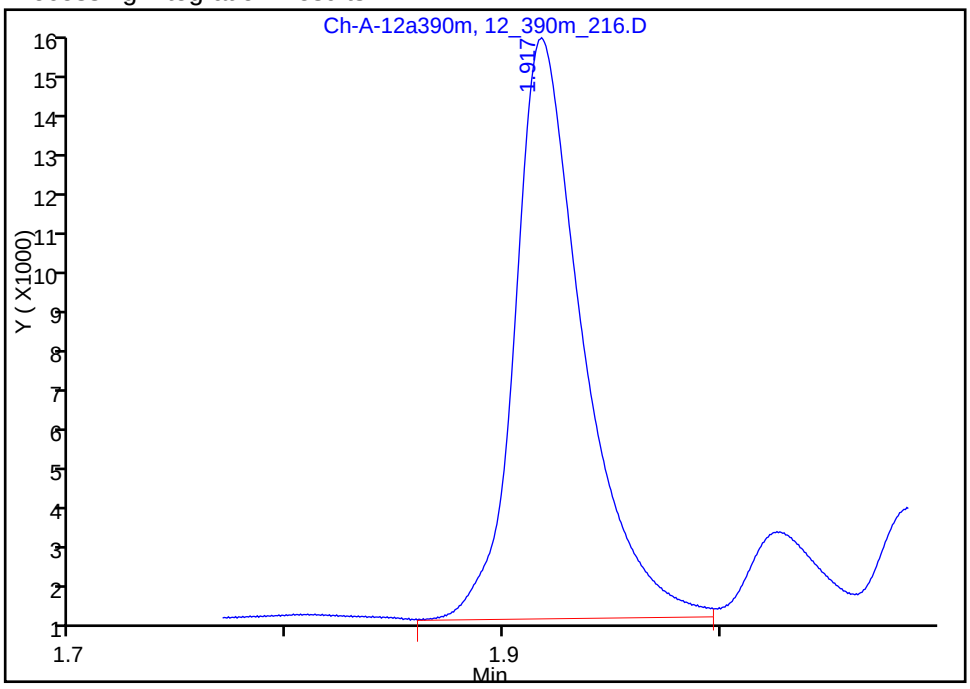
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_216.D
Injection Date: 11-May-2017 16:17:12 Instrument ID: HP5890-12
Lims ID: ICIS 5
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 1

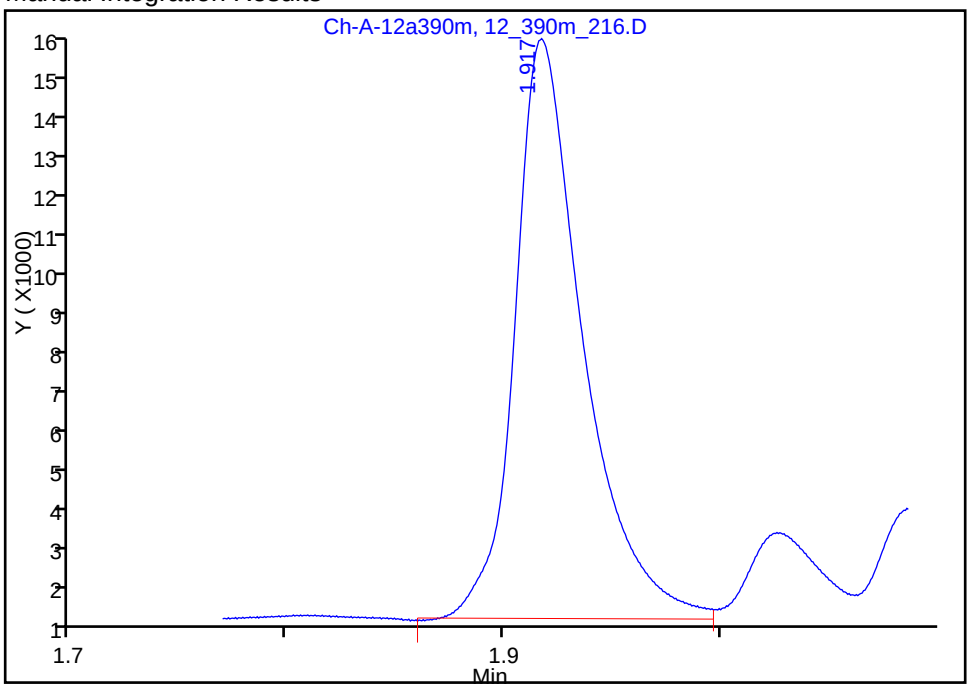
Processing Integration Results

RT: 1.92
Area: 30639
Amount: 0.012240
Amount Units: ng/uL



Manual Integration Results

RT: 1.92
Area: 30459
Amount: 0.012244
Amount Units: ng/uL



Reviewer: owenj, 12-May-2017 15:33:30
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 15-May-2017 13:50:54 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_216.D

Injection Date: 11-May-2017 16:17:12 Instrument ID: HP5890-12

Lims ID: ICIS 5

Client ID:

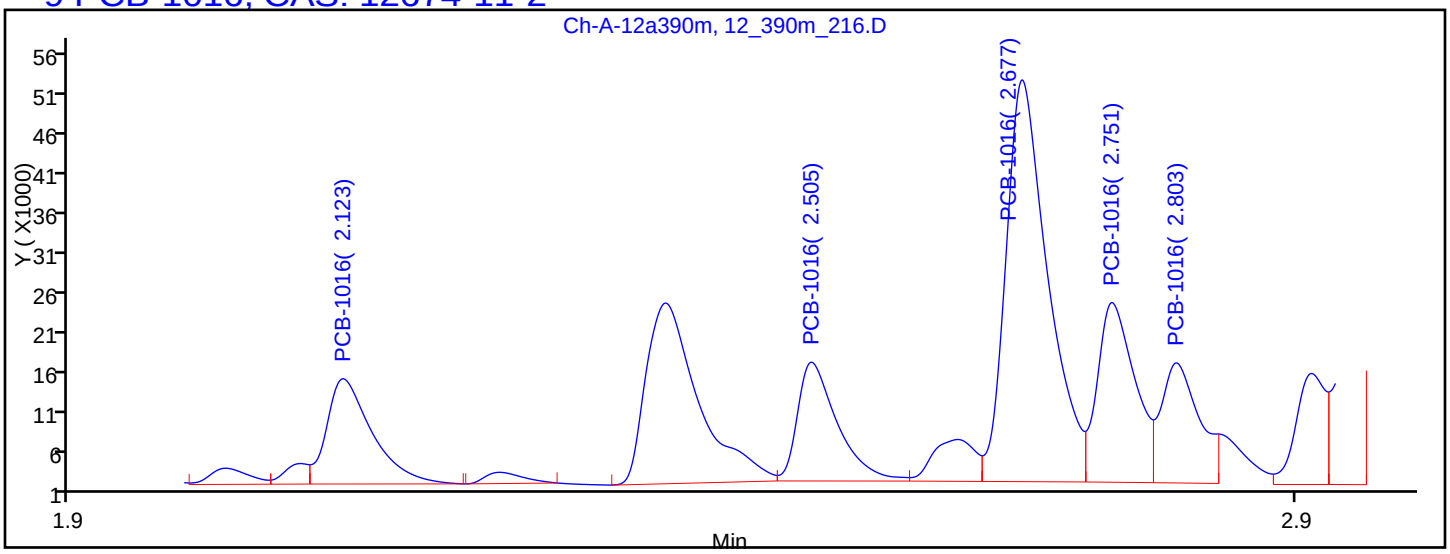
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 19

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

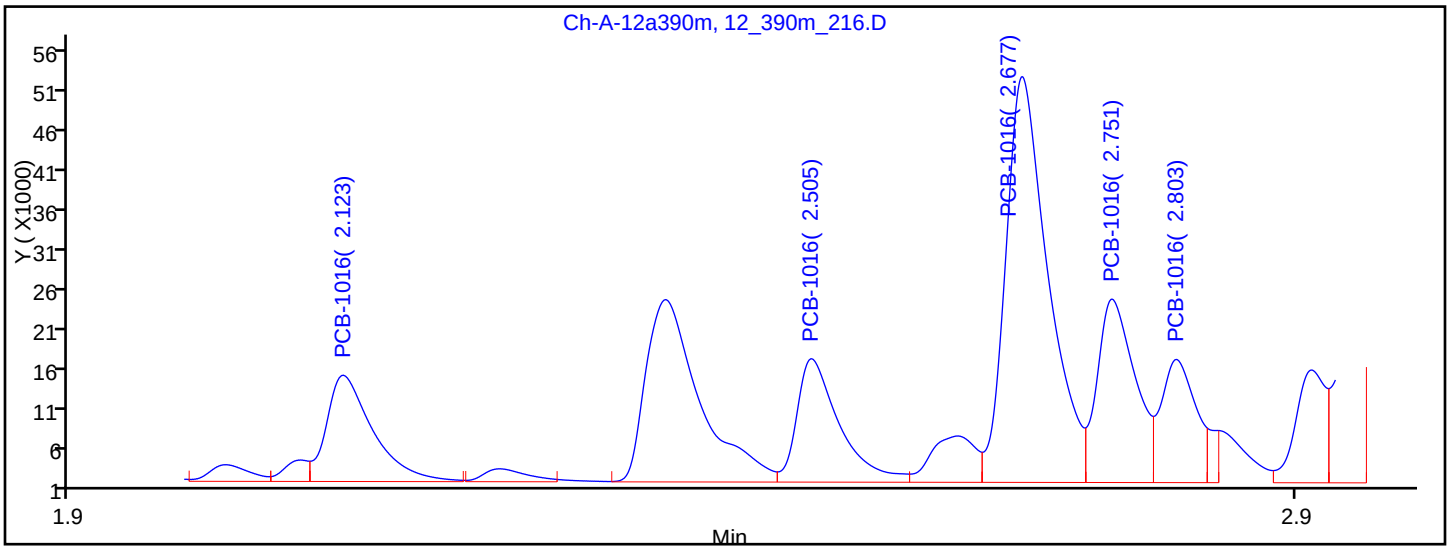
Column: Detector Ch-A-7A136

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.123	Response = 33870
2.505	Response = 33707
2.677	Response = 120408
2.751	Response = 48037
2.803	Response = 32556



Manual Integration Results

2.123	Response = 34907	M
2.505	Response = 37488	M
2.677	Response = 123085	M
2.751	Response = 49584	M
2.803	Response = 30097	M

Reviewer: owenj, 12-May-2017 15:33:30

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 15-May-2017 13:50:54 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_216.D

Injection Date: 11-May-2017 16:17:12 Instrument ID: HP5890-12

Lims ID: ICIS 5

Client ID:

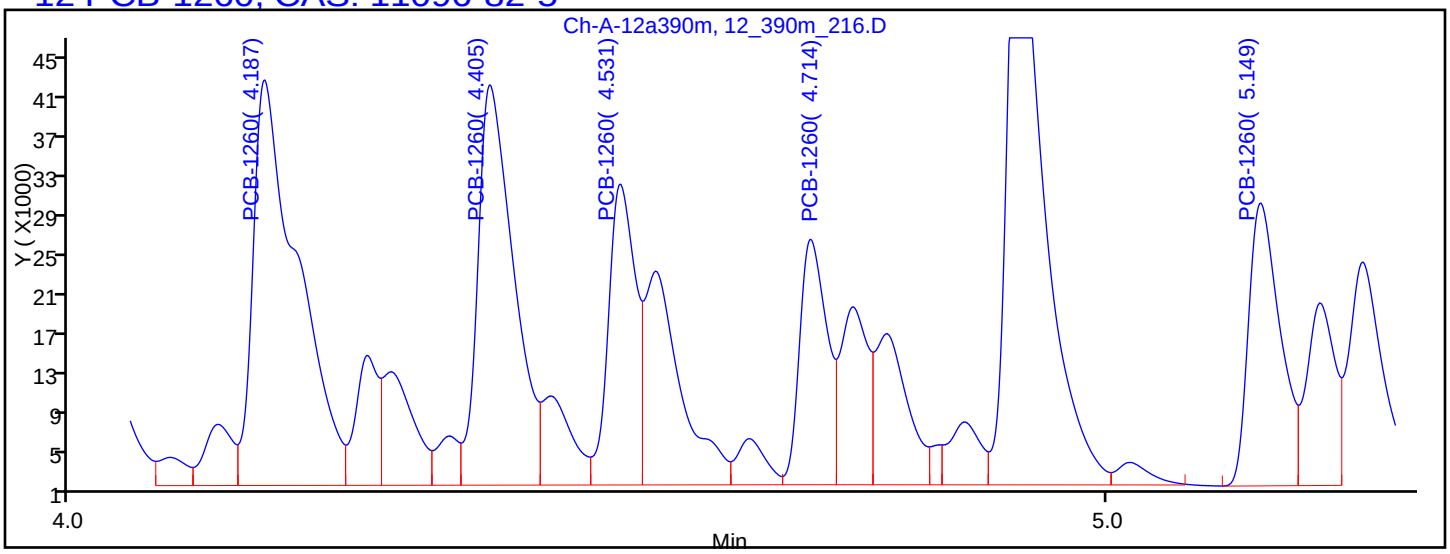
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 19

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

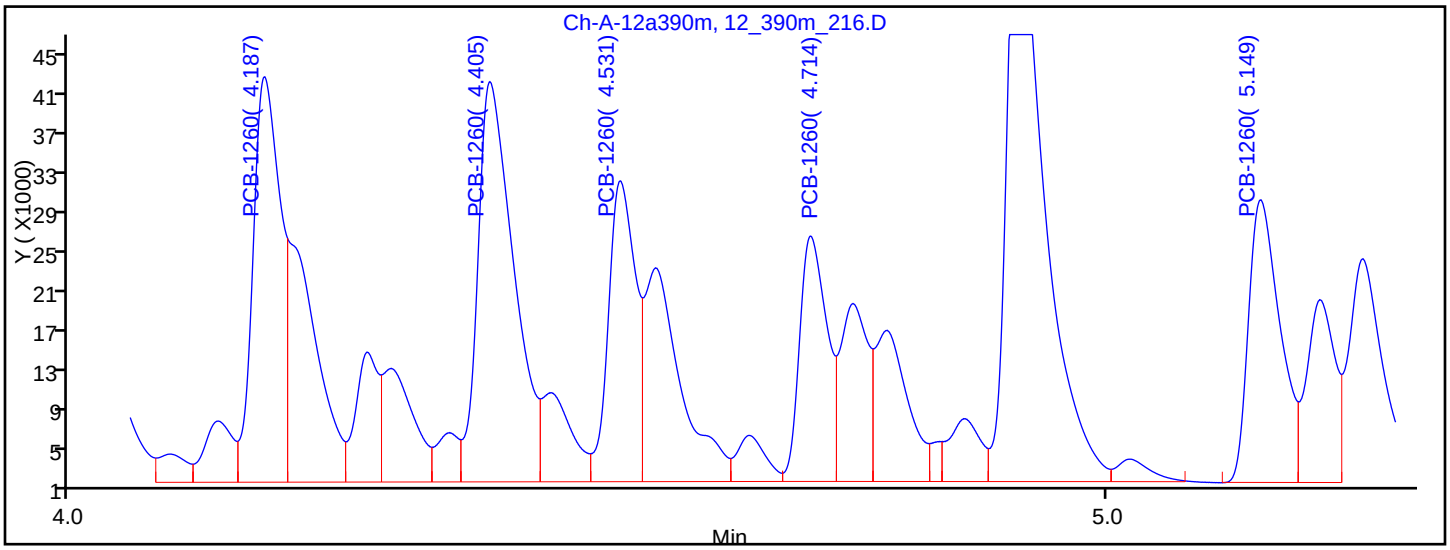
Column: Detector Ch-A-7A136

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

4.187	Response = 122717
4.405	Response = 97345
4.531	Response = 55281
4.714	Response = 45564
5.149	Response = 60410



Manual Integration Results

4.187	Response = 75072	M
4.405	Response = 97345	
4.531	Response = 55281	
4.714	Response = 45564	
5.149	Response = 60333	M

Reviewer: owenj, 12-May-2017 15:33:39

Audit Action: Split an Integrated Peak Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

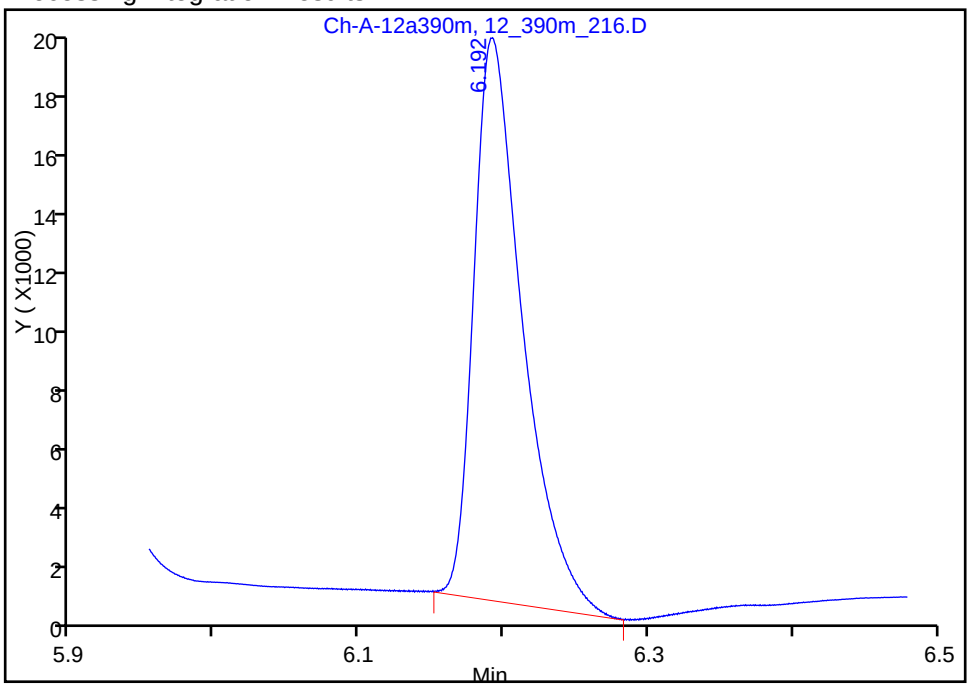
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_216.D
Injection Date: 11-May-2017 16:17:12 Instrument ID: HP5890-12
Lims ID: ICIS 5
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

$ 15 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 1

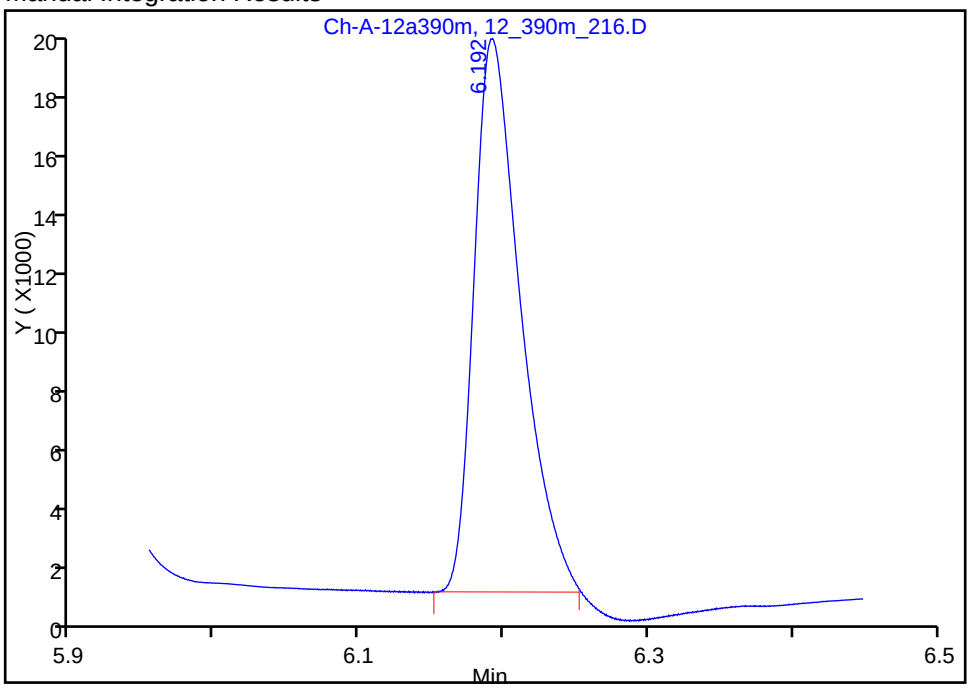
Processing Integration Results

RT: 6.19
Area: 42913
Amount: 0.012756
Amount Units: ng/uL



Manual Integration Results

RT: 6.19
Area: 40170
Amount: 0.012318
Amount Units: ng/uL



Reviewer: owenj, 12-May-2017 16:02:47
Audit Action: Split an Integrated Peak Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_217.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 11-May-2017 16:32:35 ALS Bottle#: 0 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:50:57 Calib Date: 12-May-2017 17:50:21
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_240.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 11-May-2017 17:22:30

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.319	1.319	0.000	1267222	0.5000	0.5000	
2	1.616	1.617	-0.001	1132123	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.916	1.917	-0.001	12358	0.005000	0.004977	M
2	2.207	2.207	0.000	8574	0.005000	0.004294	
						RPD = 14.75	
9 PCB-1016							M
1	2.123	2.123	0.000	15036	0.2000	0.2182	M
1	2.505	2.505	0.000	15855	0.2000	0.2160	M
1	2.678	2.677	0.001	52434	0.2000	0.2095	M
1	2.751	2.751	0.000	21437	0.2000	0.2122	M
1	2.803	2.803	0.000	12533	0.2000	0.2039	M
		Average of Peak Amounts =				0.2119	
2	2.615	2.616	-0.001	10411	0.2000	0.2132	M
2	2.936	2.936	0.000	21779	0.2000	0.2226	M
2	3.147	3.147	0.000	12711	0.2000	0.2176	M
2	3.245	3.246	-0.001	37971	0.2000	0.2056	M
2	3.364	3.364	0.000	15981	0.2000	0.2107	M
		Average of Peak Amounts =				0.2139	
						RPD = 0.94	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.187	4.187	0.000	35011	0.2000	0.2288	M
1	4.404	4.405	-0.001	42034	0.2000	0.2089	M
1	4.529	4.531	-0.002	24020	0.2000	0.2167	M
1	4.713	4.714	-0.001	18160	0.2000	0.1992	M
1	5.148	5.149	-0.001	24761	0.2000	0.1912	M
		Average of Peak Amounts =				0.2089	
2	5.129	5.130	-0.001	26704	0.2000	0.2222	M
2	5.449	5.450	-0.001	22758	0.2000	0.2246	M
2	5.516	5.518	-0.002	16127	0.2000	0.2125	M
2	5.583	5.583	0.000	55320	0.2000	0.2078	M
2	5.955	5.955	0.000	35418	0.2000	0.2046	M
		Average of Peak Amounts =				0.2143	
						RPD = 2.55	
$ 15 DCB Decachlorobiphenyl							M
1	6.189	6.192	-0.003	16167	0.005000	0.004860	M
2	7.243	7.245	-0.002	15899	0.005000	0.005158	
						RPD = 5.94	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is0.2_00005 Amount Added: 1.00 Units: mL

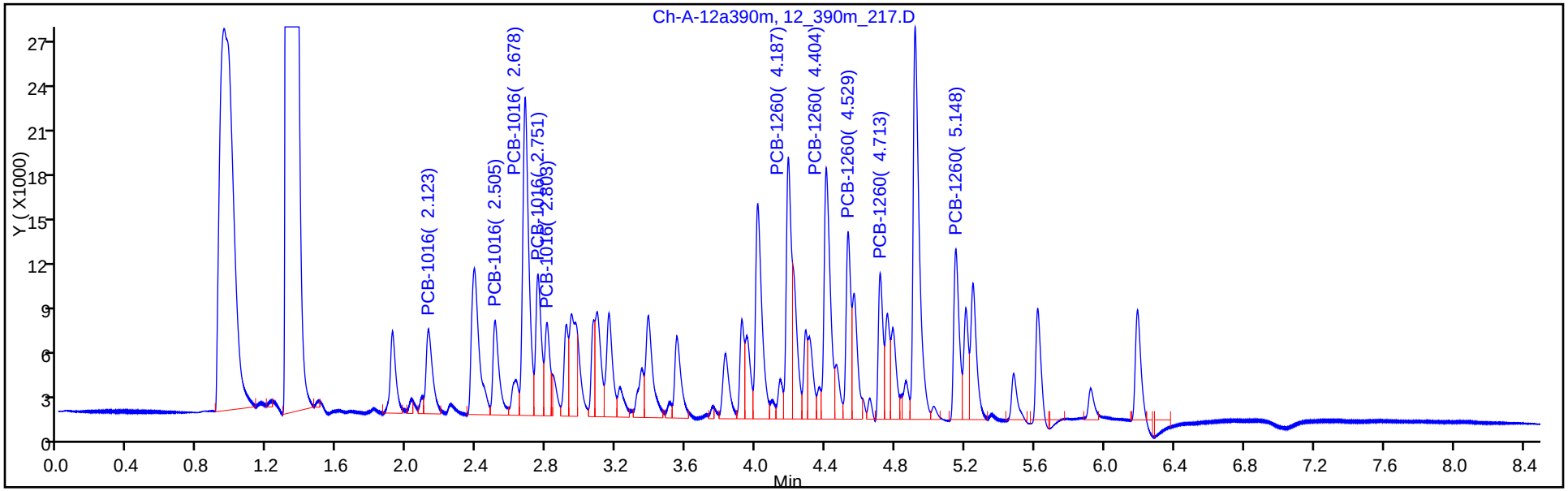
Report Date: 15-May-2017 13:50:58 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

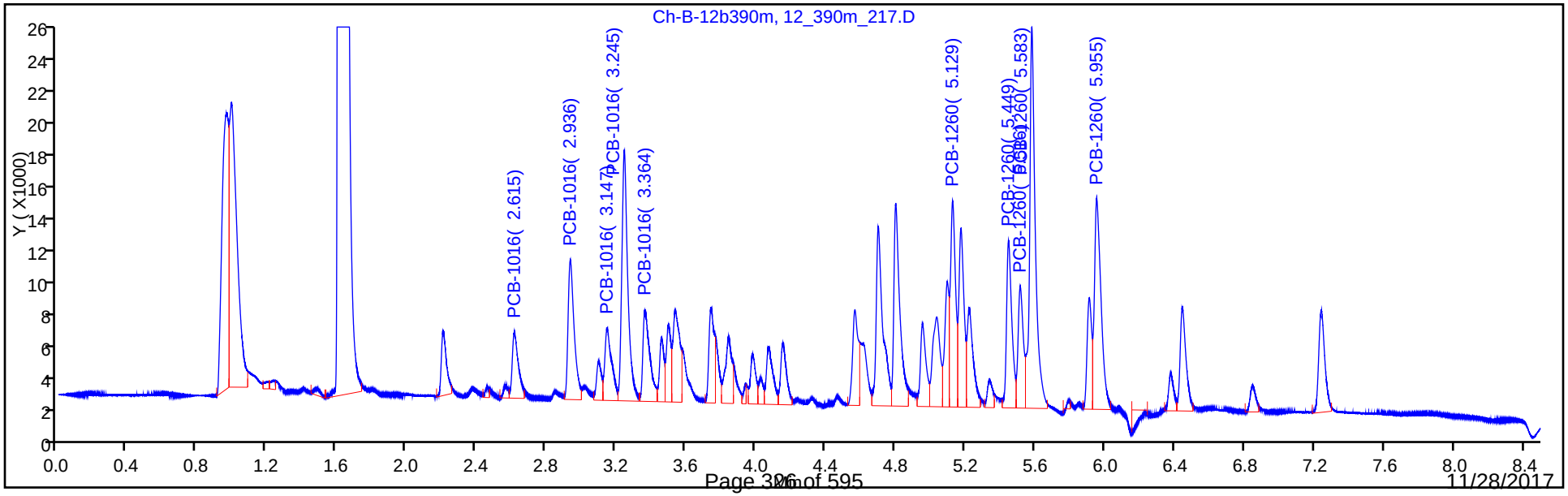
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_217.D

Injection Date:	11-May-2017 16:32:35	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 4			Worklist Smp#:	20
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

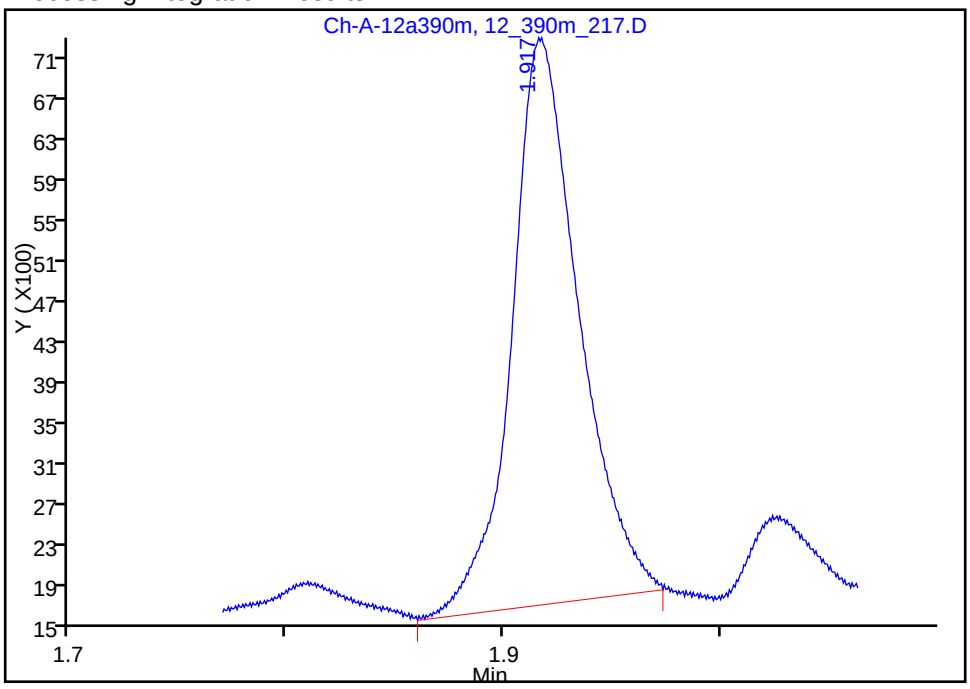
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Injection Date: 11-May-2017 16:32:35 Instrument ID: HP5890-12
Lims ID: IC 4
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 1

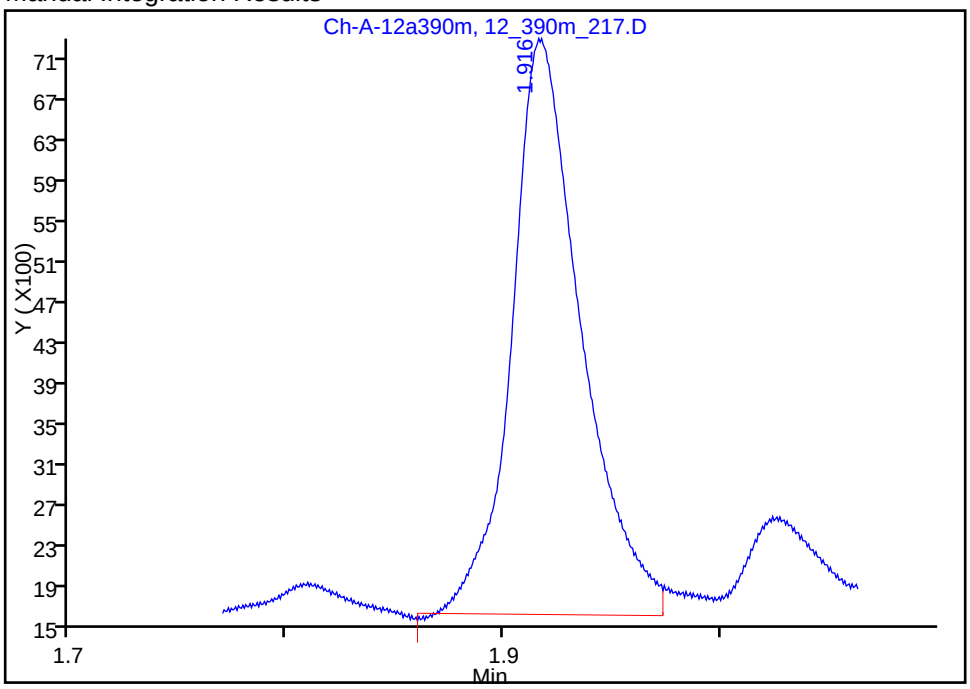
Processing Integration Results

RT: 1.92
Area: 11800
Amount: 0.004648
Amount Units: ng/uL



Manual Integration Results

RT: 1.92
Area: 12358
Amount: 0.004977
Amount Units: ng/uL



Reviewer: owenj, 12-May-2017 15:34:19
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 15-May-2017 13:50:58 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_217.D

Injection Date: 11-May-2017 16:32:35 Instrument ID: HP5890-12

Lims ID: IC 4

Client ID:

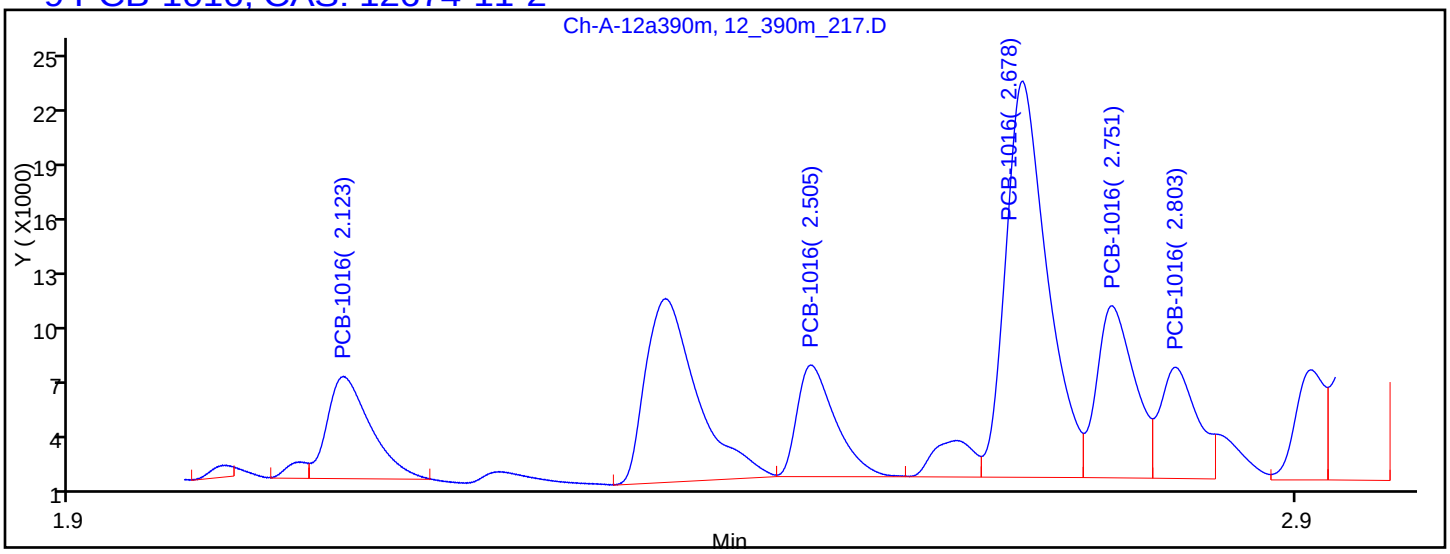
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 20

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

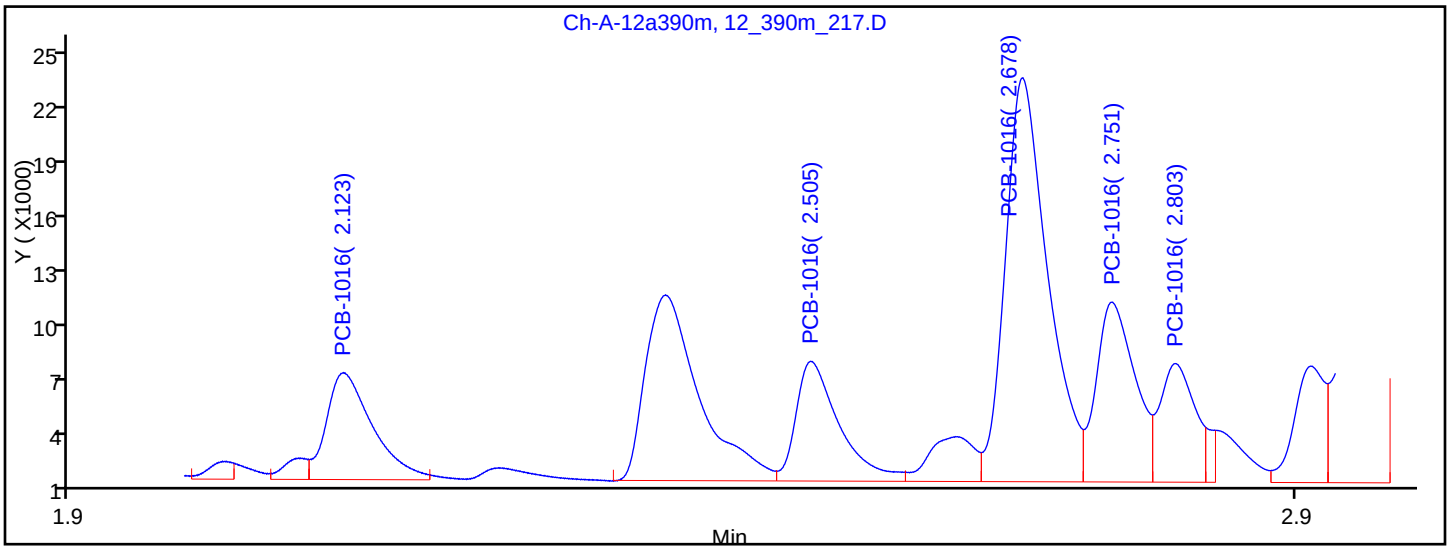
Column: Detector Ch-A-7A136

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.123	Response = 13553
2.505	Response = 13033
2.678	Response = 50216
2.751	Response = 19978
2.803	Response = 12652



Manual Integration Results

2.123	Response = 15036	M
2.505	Response = 15855	M
2.678	Response = 52434	M
2.751	Response = 21437	M
2.803	Response = 12533	M

Reviewer: owenj, 12-May-2017 15:34:19

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 15-May-2017 13:50:58 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_217.D

Injection Date: 11-May-2017 16:32:35 Instrument ID: HP5890-12

Lims ID: IC 4

Client ID:

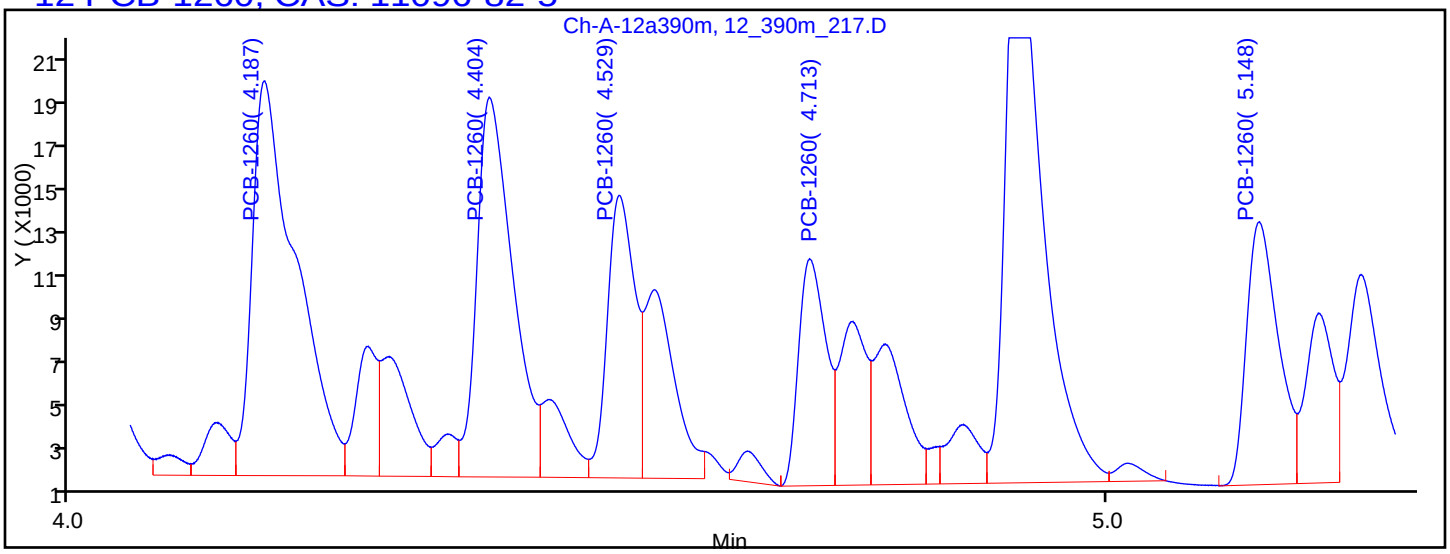
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 20

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

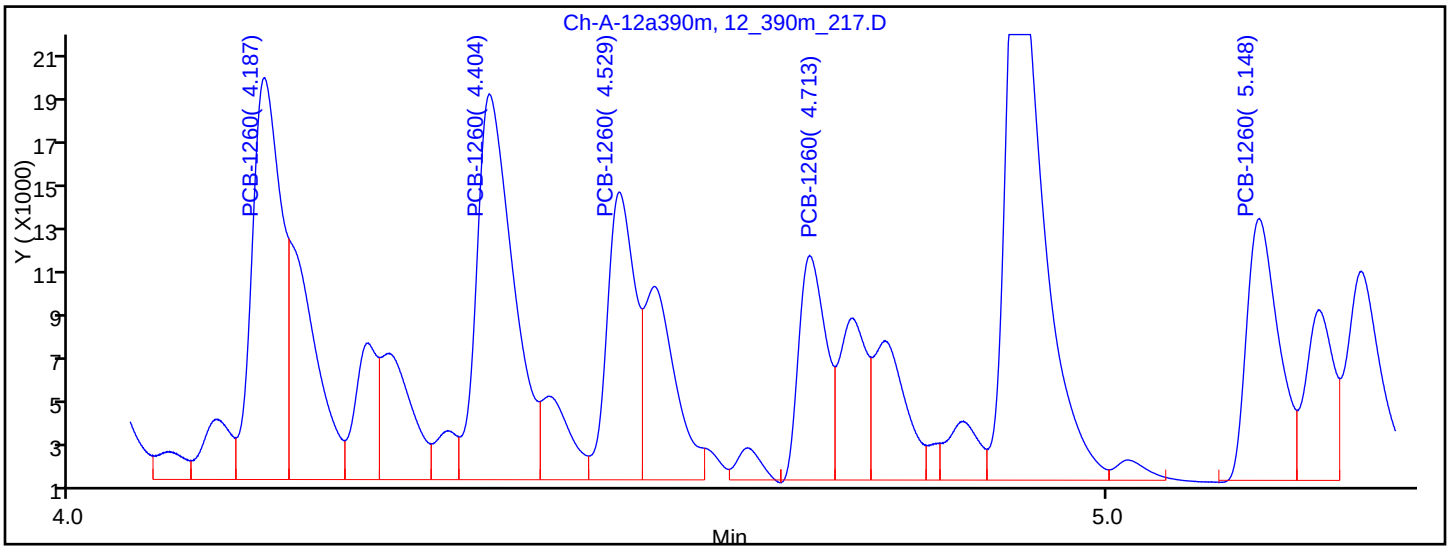
Column: Detector Ch-A-7A136

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

4.187	Response = 51916
4.404	Response = 40783
4.529	Response = 23304
4.713	Response = 18508
5.148	Response = 24987



Manual Integration Results

4.187	Response = 35011	M
4.404	Response = 42034	M
4.529	Response = 24020	M
4.713	Response = 18160	M
5.148	Response = 24761	M

Reviewer: owenj, 12-May-2017 15:34:15

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

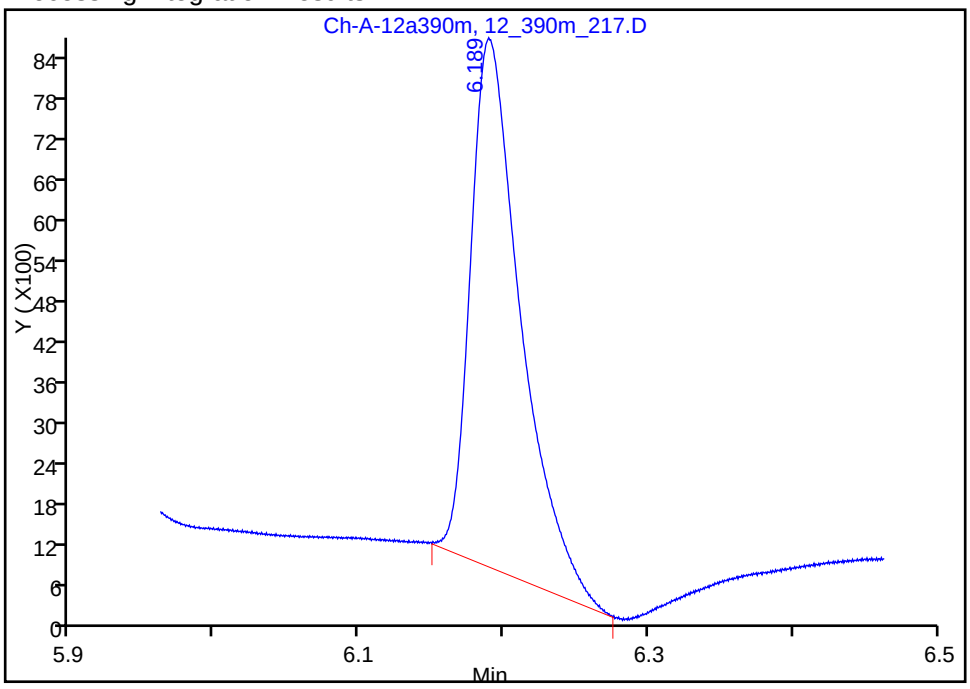
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_217.D
Injection Date: 11-May-2017 16:32:35 Instrument ID: HP5890-12
Lims ID: IC 4
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

$ 15 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 1

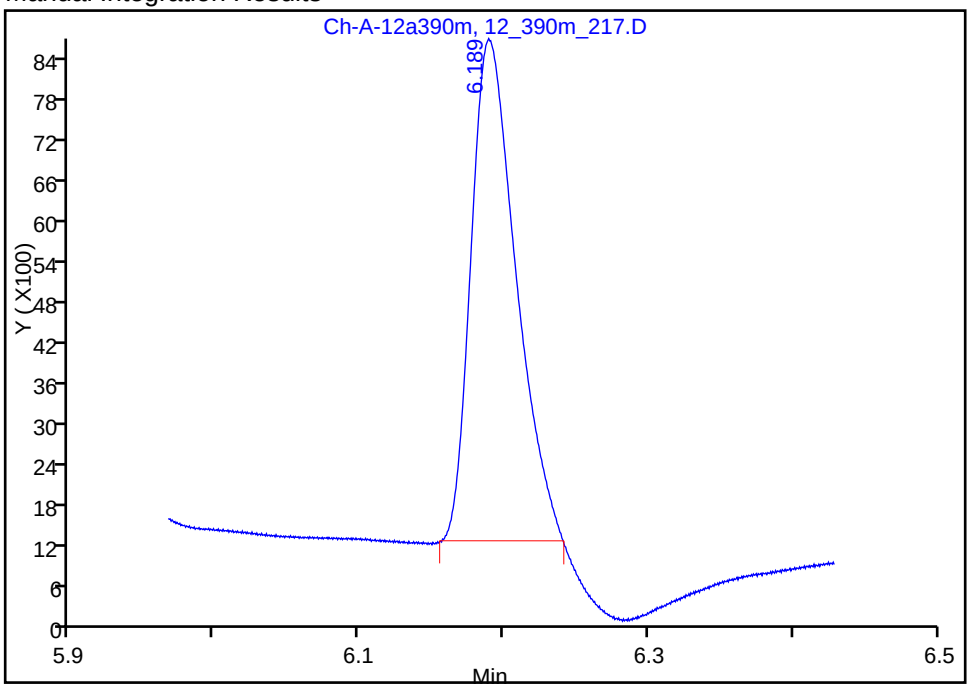
Processing Integration Results

RT: 6.19
Area: 19225
Amount: 0.005470
Amount Units: ng/uL



Manual Integration Results

RT: 6.19
Area: 16167
Amount: 0.004860
Amount Units: ng/uL



Reviewer: owenj, 12-May-2017 16:02:28
Audit Action: Split an Integrated Peak Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_218.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 11-May-2017 17:07:37 ALS Bottle#: 0 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:51:01 Calib Date: 12-May-2017 17:50:21
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_240.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 12-May-2017 15:35:45

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.321	1.319	0.002	1215530	0.5000	0.5000	
2	1.618	1.617	0.001	1069342	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.924	1.917	0.007	5027	0.002500	0.002214	M
2	2.210	2.207	0.003	4181	0.002500	0.002257	M
						RPD = 1.95	
9 PCB-1016							M
1	2.133	2.123	0.010	6478	0.1000	0.0980	
1	2.516	2.505	0.011	7014	0.1000	0.0996	M
1	2.690	2.677	0.013	24849	0.1000	0.1035	M
1	2.763	2.751	0.012	10105	0.1000	0.0975	M
1	2.815	2.803	0.012	5681	0.1000	0.0927	M
		Average of Peak Amounts =				0.0983	
2	2.621	2.616	0.005	4852	0.1000	0.0964	M
2	2.944	2.936	0.008	10245	0.1000	0.1058	M
2	3.154	3.147	0.007	4397	0.1000	0.0810	M
2	3.254	3.246	0.008	17306	0.1000	0.0973	M
2	3.371	3.364	0.007	6439	0.1000	0.0899	M
		Average of Peak Amounts =				0.0941	
						RPD = 4.35	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.202	4.187	0.015	17798	0.1000	0.1103	M
1	4.419	4.405	0.014	21079	0.1000	0.1047	M
1	4.545	4.531	0.014	11503	0.1000	0.1082	M
1	4.729	4.714	0.015	9001	0.1000	0.1045	M
1	5.163	5.149	0.014	12480	0.1000	0.0961	M
		Average of Peak Amounts =				0.1047	
2	5.139	5.130	0.009	12126	0.1000	0.1044	M
2	5.459	5.450	0.009	10136	0.1000	0.1010	M
2	5.527	5.518	0.009	7891	0.1000	0.1061	M
2	5.593	5.583	0.010	28326	0.1000	0.1107	M
2	5.965	5.955	0.010	16798	0.1000	0.1023	M
		Average of Peak Amounts =				0.1049	
						RPD = 0.17	
$ 15 DCB Decachlorobiphenyl							M
1	6.207	6.192	0.015	8233	0.002500	0.002580	M
2	7.258	7.245	0.013	7544	0.002500	0.002544	
						RPD = 1.43	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is0.1_00006 Amount Added: 1.00 Units: mL

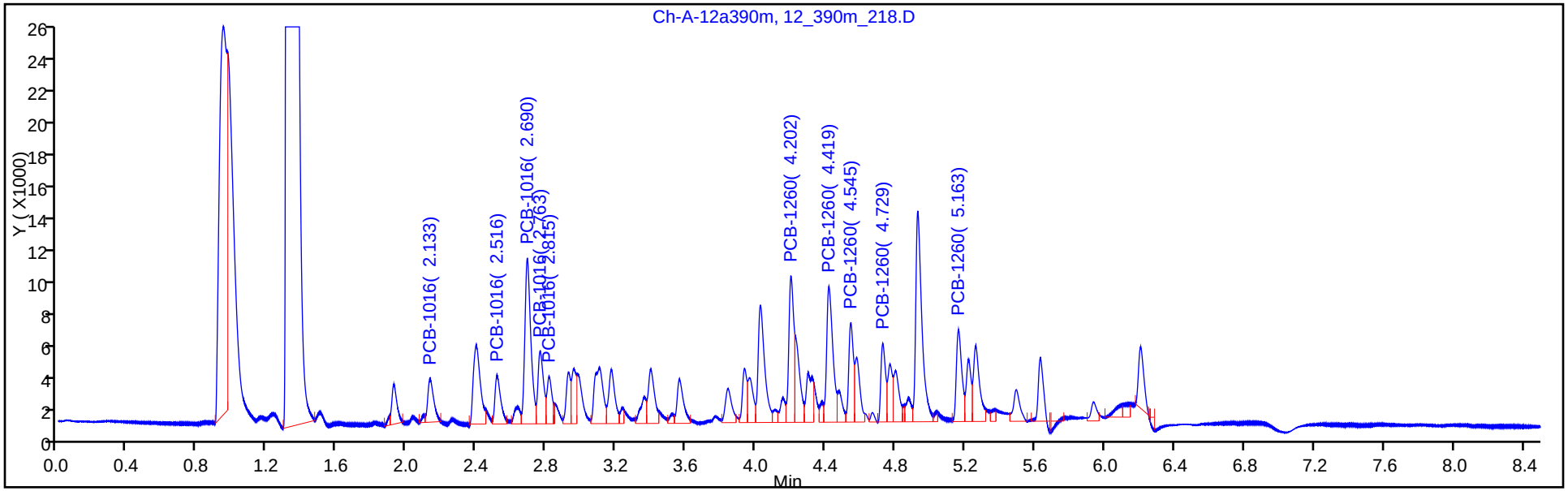
Report Date: 15-May-2017 13:51:01 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

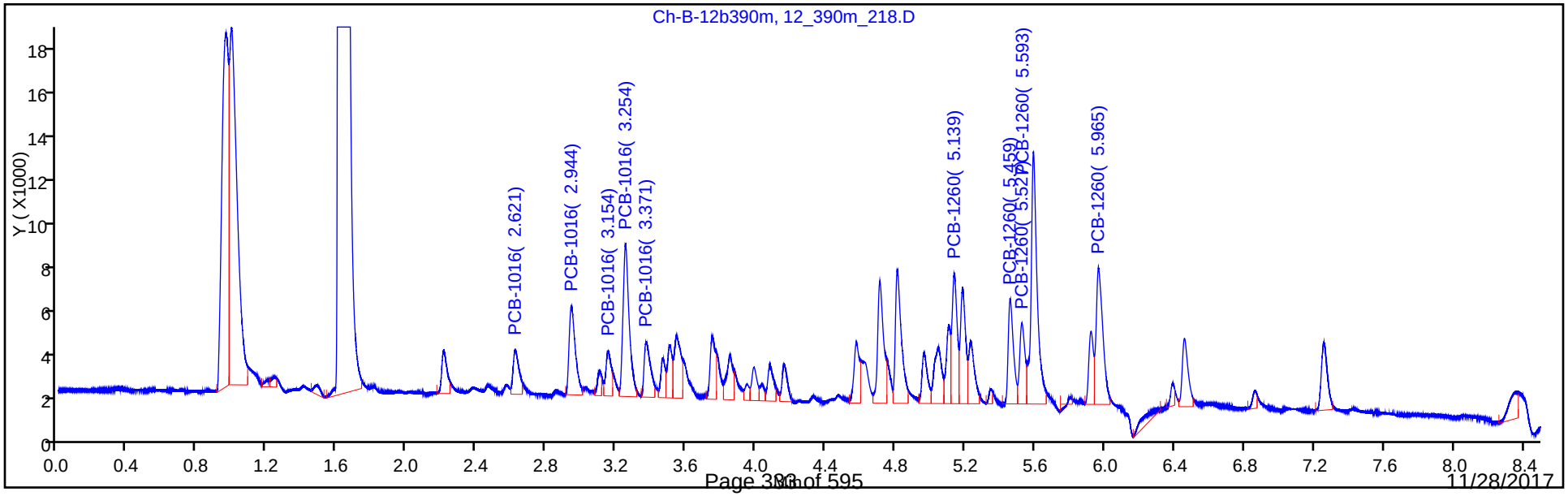
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_218.D

Injection Date:	11-May-2017 17:07:37	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	21
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

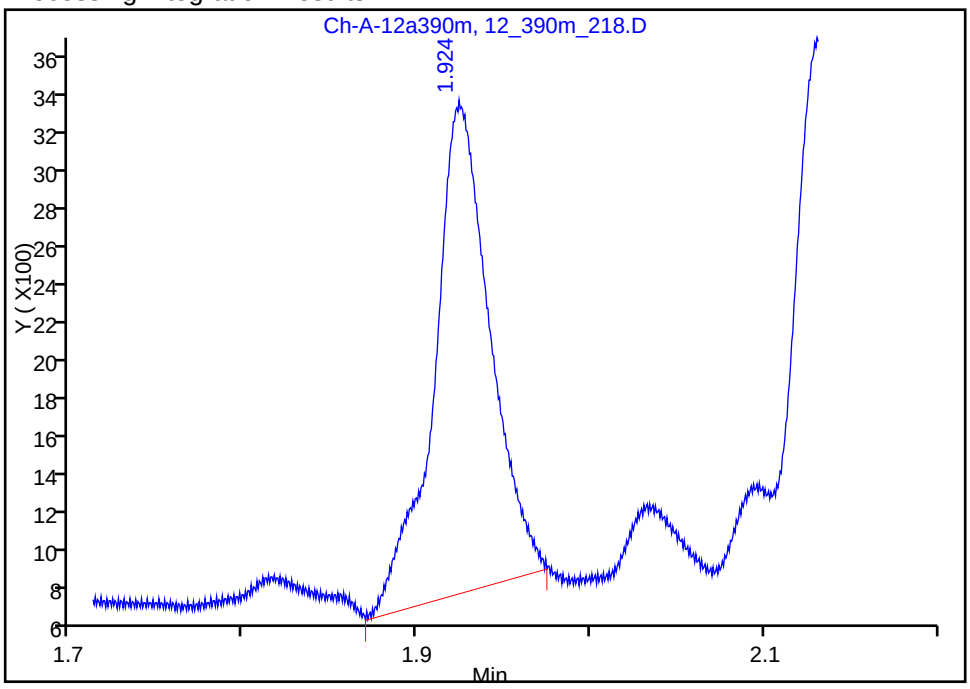
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Injection Date: 11-May-2017 17:07:37 Instrument ID: HP5890-12
Lims ID: IC 3
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 1

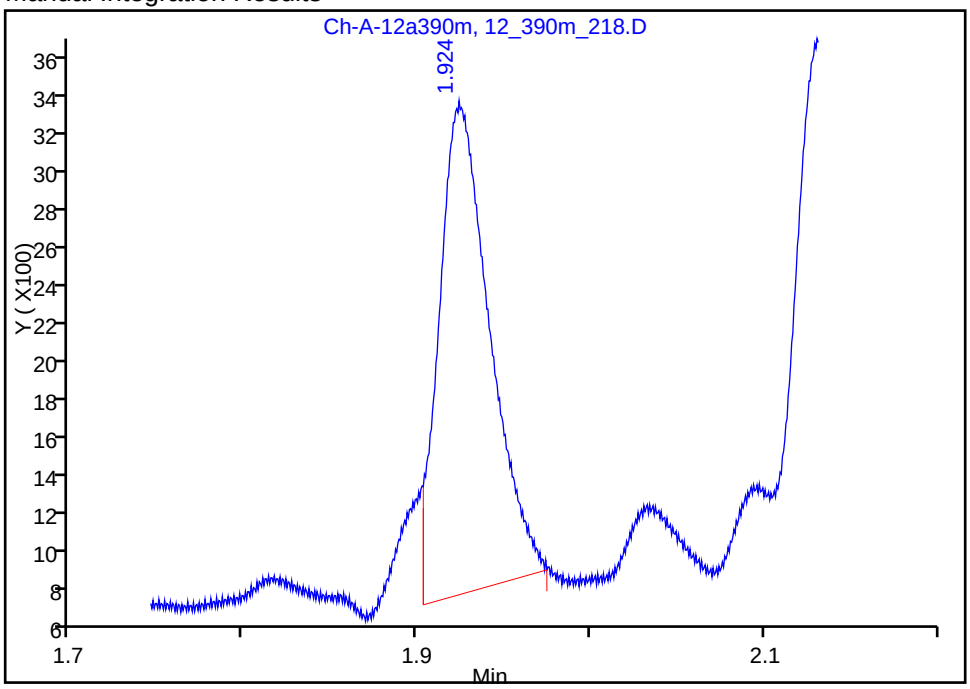
Processing Integration Results

RT: 1.92
Area: 5604
Amount: 0.002293
Amount Units: ng/uL



Manual Integration Results

RT: 1.92
Area: 5027
Amount: 0.002214
Amount Units: ng/uL



Reviewer: owenj, 12-May-2017 15:52:31
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Report Date: 15-May-2017 13:51:02 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_218.D

Injection Date: 11-May-2017 17:07:37 Instrument ID: HP5890-12

Lims ID: IC 3

Client ID:

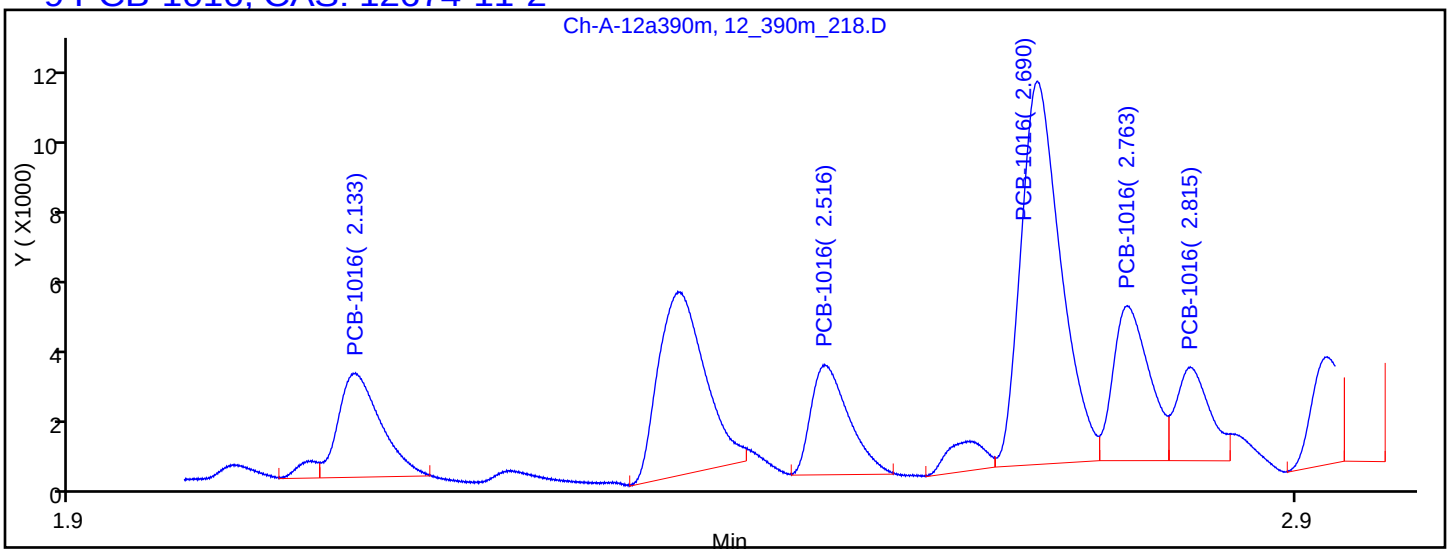
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 21

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

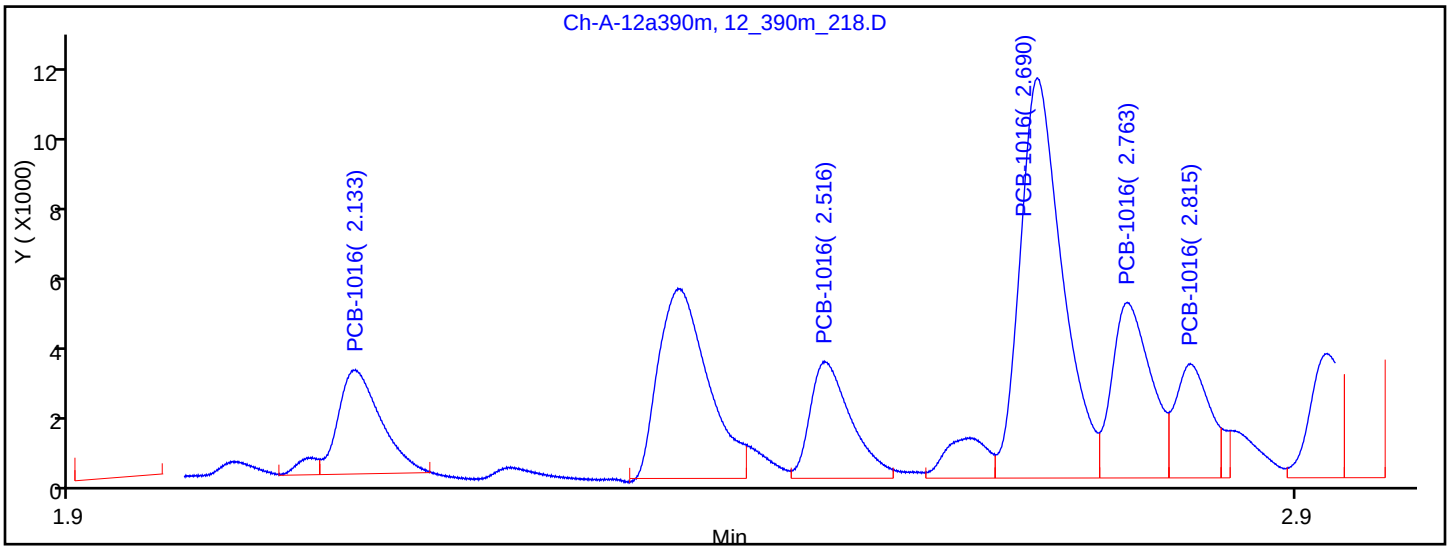
Column: Detector Ch-A-7A136

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.133	Response = 6478
2.516	Response = 6118
2.690	Response = 22538
2.763	Response = 8295
2.815	Response = 4638



Manual Integration Results

2.133	Response = 6478	
2.516	Response = 7014	M
2.690	Response = 24849	M
2.763	Response = 10105	M
2.815	Response = 5681	M

Reviewer: owenj, 12-May-2017 15:35:02

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 15-May-2017 13:51:02 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_218.D

Injection Date: 11-May-2017 17:07:37 Instrument ID: HP5890-12

Lims ID: IC 3

Client ID:

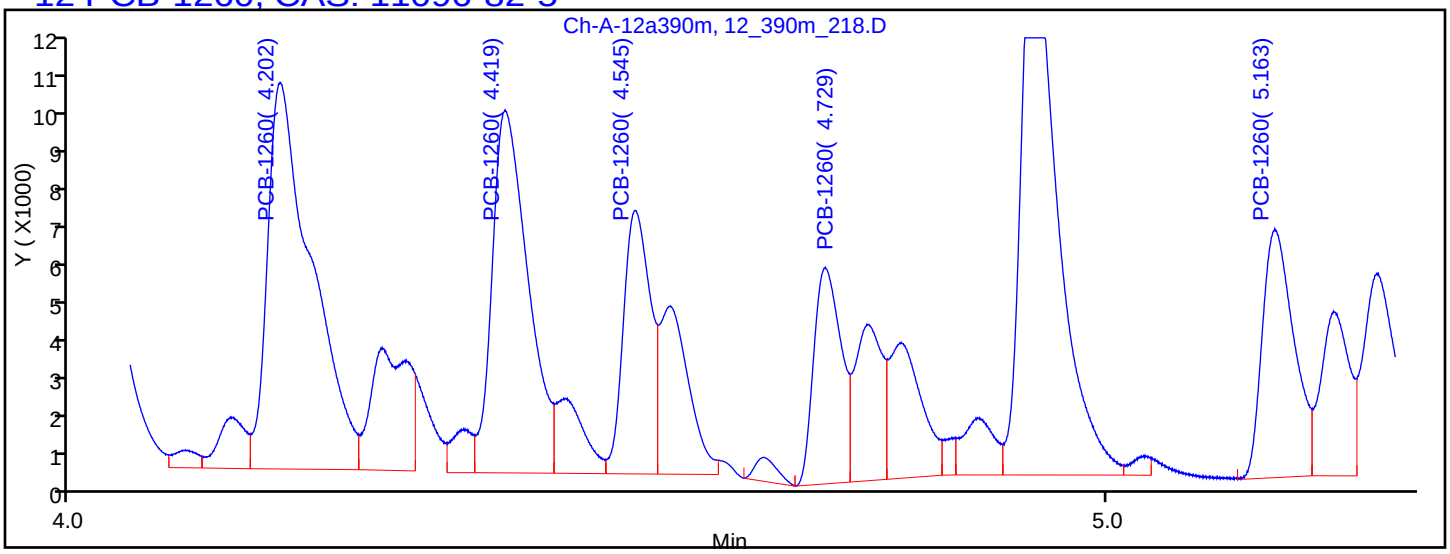
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 21

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

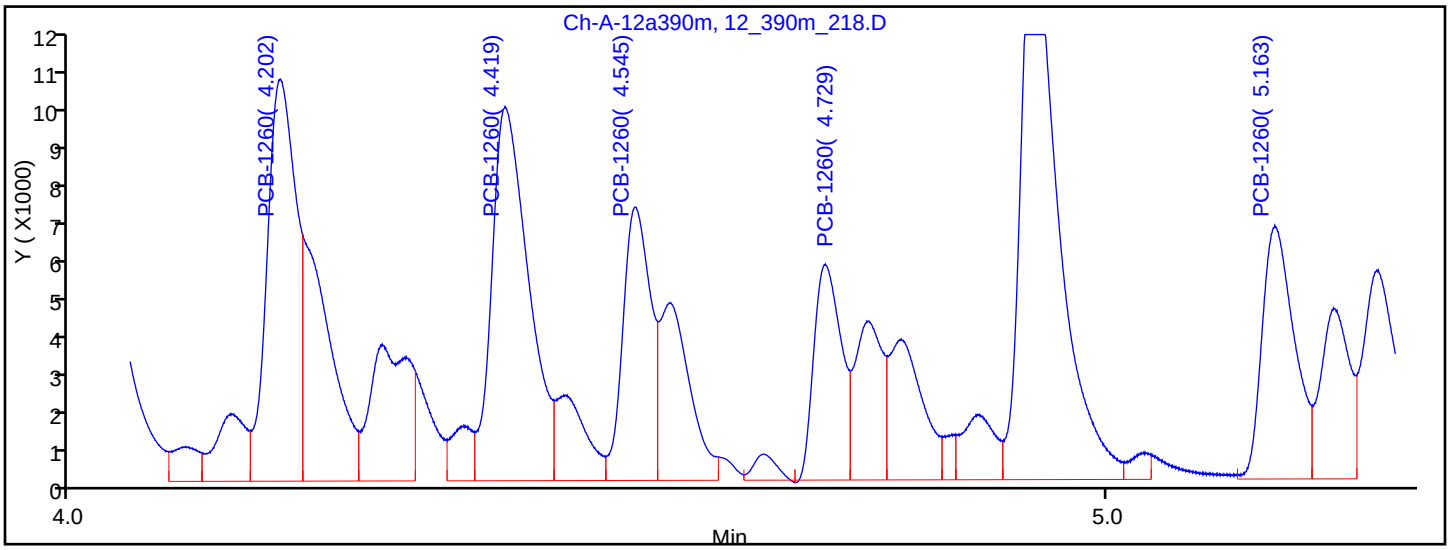
Column: Detector Ch-A-7A136

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

4.202	Response = 26055
4.419	Response = 19925
4.545	Response = 10831
4.729	Response = 9055
5.163	Response = 12027



Manual Integration Results

4.202	Response = 17798	M
4.419	Response = 21079	M
4.545	Response = 11503	M
4.729	Response = 9001	M
5.163	Response = 12480	M

Reviewer: owenj, 12-May-2017 15:35:04

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

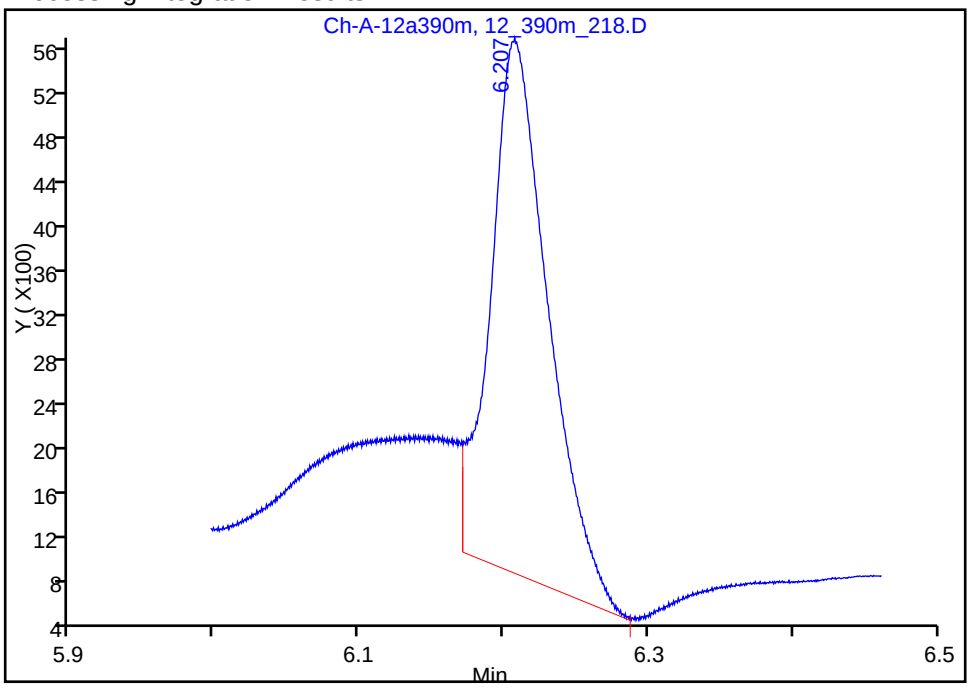
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_218.D
Injection Date: 11-May-2017 17:07:37 Instrument ID: HP5890-12
Lims ID: IC 3
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

$ 15 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 1

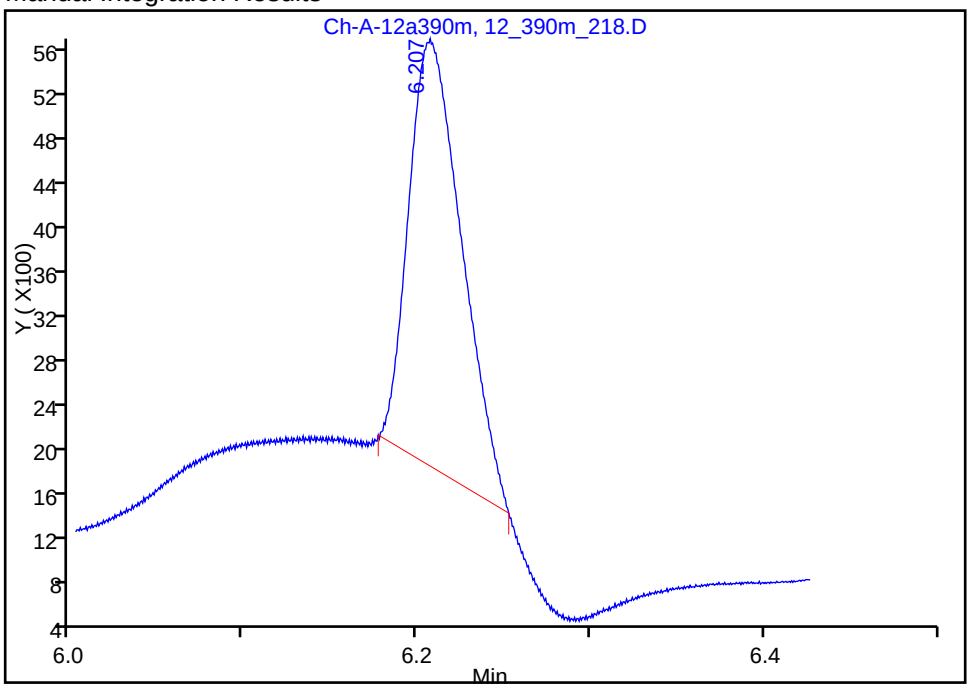
Processing Integration Results

RT: 6.21
Area: 13411
Amount: 0.003337
Amount Units: ng/uL



Manual Integration Results

RT: 6.21
Area: 8233
Amount: 0.002580
Amount Units: ng/uL



Reviewer: owenj, 12-May-2017 16:05:10
Audit Action: Manually Integrated Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_219.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 11-May-2017 17:22:58 ALS Bottle#: 0 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:51:05 Calib Date: 12-May-2017 17:50:21
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_240.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 12-May-2017 15:36:55

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.319	1.319	0.000	1244433	0.5000	0.5000	
2	1.617	1.617	0.000	1106372	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.917	1.917	0.000	2717	0.001250	0.001253	M
2	2.207	2.207	0.000	2787	0.001250	0.001484	M
						RPD = 16.89	
9 PCB-1016							M
1	2.127	2.123	0.004	3817	0.0500	0.0564	
1	2.508	2.505	0.003	3863	0.0500	0.0536	M
1	2.681	2.677	0.004	13140	0.0500	0.0535	M
1	2.755	2.751	0.004	5959	0.0500	0.0505	M
1	2.805	2.803	0.002	3582	0.0500	0.0544	M
		Average of Peak Amounts =				0.0537	
2	2.619	2.616	0.003	2939	0.0500	0.0492	M
2	2.941	2.936	0.005	5317	0.0500	0.0480	M
2	3.151	3.147	0.004	2551	0.0500	0.0463	M
2	3.251	3.246	0.005	9406	0.0500	0.0494	M
2	3.367	3.364	0.003	3531	0.0500	0.0476	M
		Average of Peak Amounts =				0.0481	
						RPD = 10.93	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.193	4.187	0.006	9740	0.0500	0.0481	M
1	4.409	4.405	0.004	10306	0.0500	0.0450	M
1	4.535	4.531	0.004	5394	0.0500	0.0495	M
1	4.720	4.714	0.006	4723	0.0500	0.0551	
1	5.153	5.149	0.004	6147	0.0500	0.0414	
		Average of Peak Amounts =				0.0478	
2	5.135	5.130	0.005	6524	0.0500	0.0520	M
2	5.454	5.450	0.004	5220	0.0500	0.0457	M
2	5.521	5.518	0.003	3975	0.0500	0.0475	M
2	5.587	5.583	0.004	13176	0.0500	0.0474	M
2	5.959	5.955	0.004	8176	0.0500	0.0477	
		Average of Peak Amounts =				0.0481	
						RPD = 0.45	
$ 15 DCB Decachlorobiphenyl							M
1	6.195	6.192	0.003	3975	0.001250	0.001217	M
2	7.249	7.245	0.004	3763	0.001250	0.001177	
						RPD = 3.33	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is.05_00005 Amount Added: 1.00 Units: mL

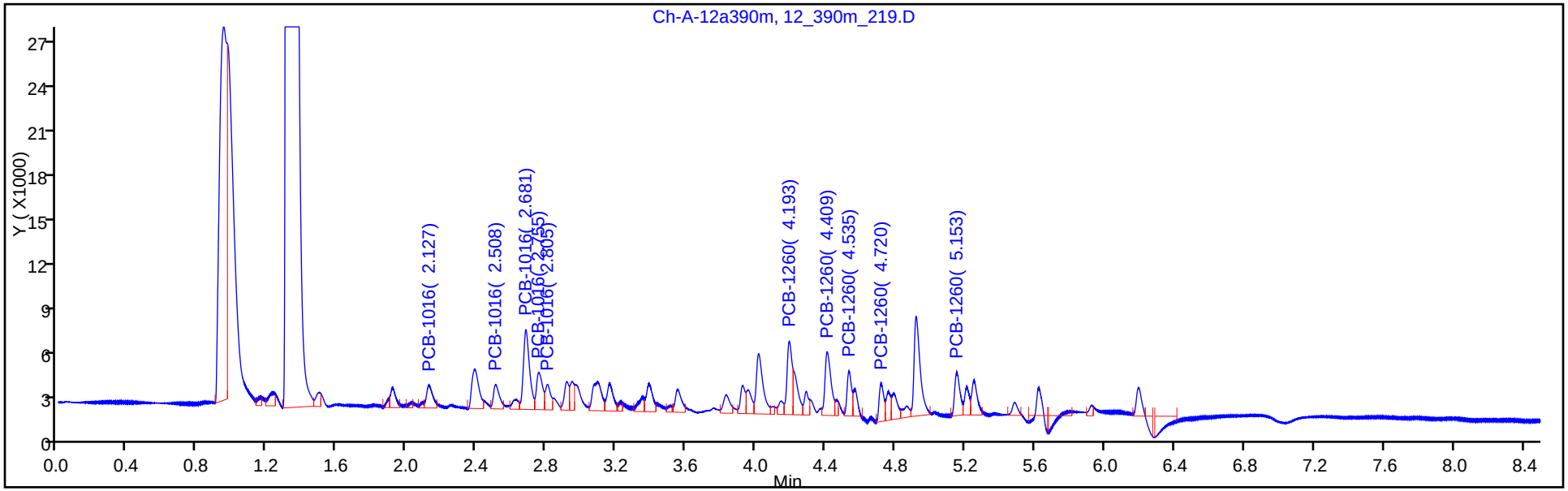
Report Date: 15-May-2017 13:51:05 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

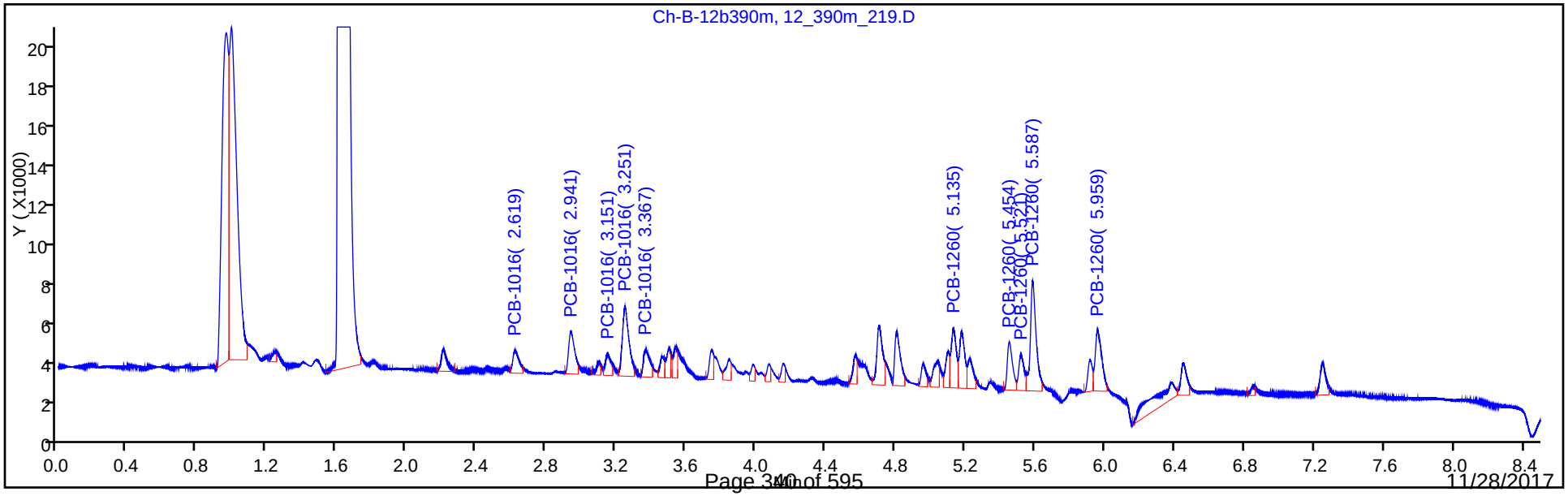
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_219.D

Injection Date:	11-May-2017 17:22:58	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	22
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

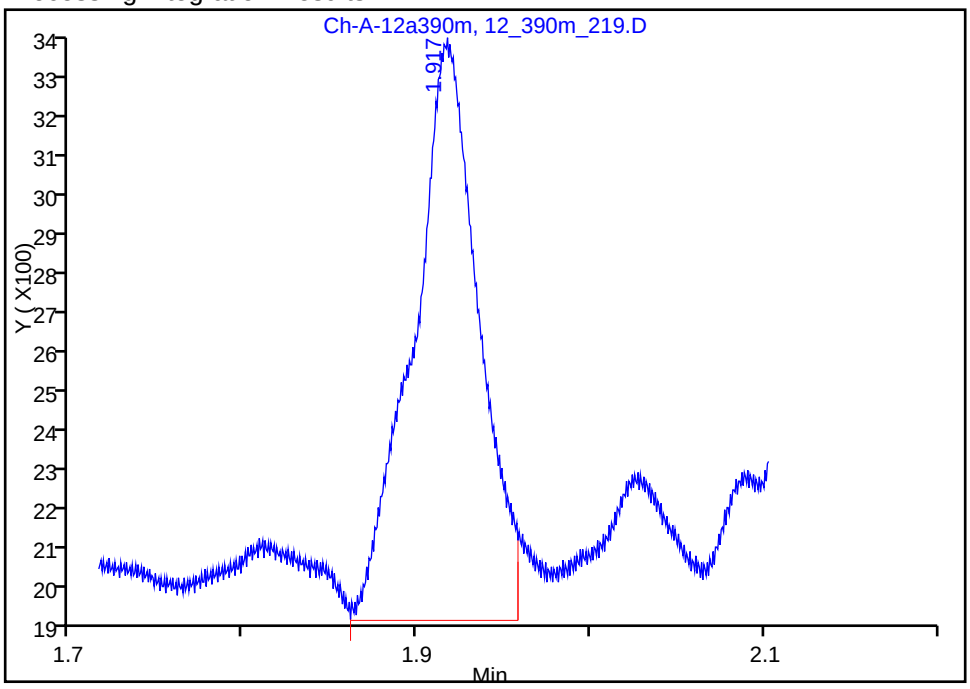
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_219.D
Injection Date: 11-May-2017 17:22:58 Instrument ID: HP5890-12
Lims ID: IC 2
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 1

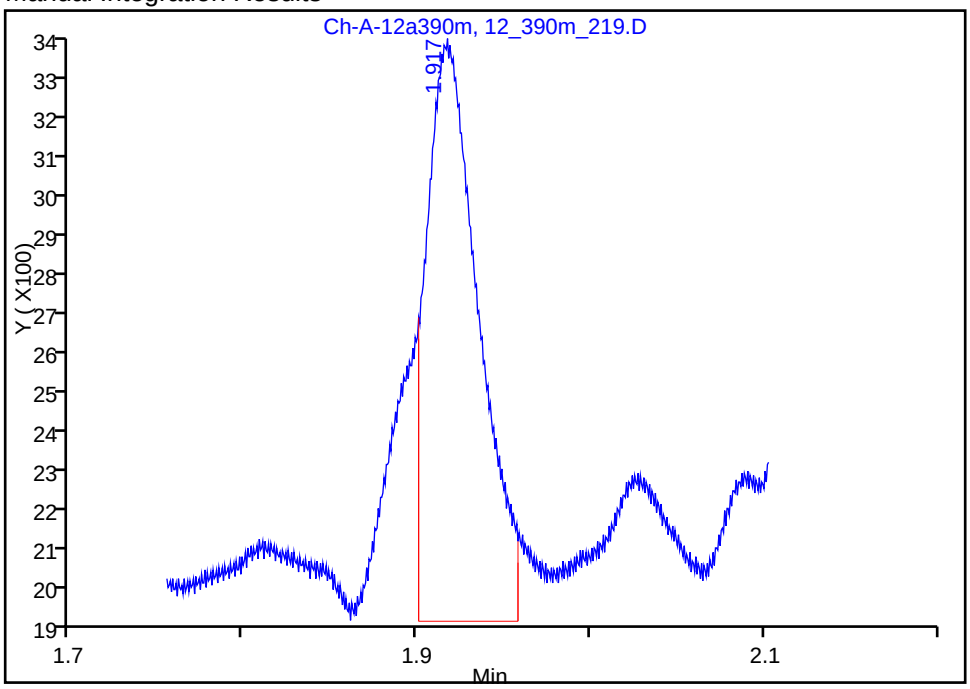
Processing Integration Results

RT: 1.92
Area: 3474
Amount: 0.001393
Amount Units: ng/uL



Manual Integration Results

RT: 1.92
Area: 2717
Amount: 0.001253
Amount Units: ng/uL



Reviewer: owenj, 12-May-2017 15:51:26
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Report Date: 15-May-2017 13:51:06 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_219.D

Injection Date: 11-May-2017 17:22:58 Instrument ID: HP5890-12

Lims ID: IC 2

Client ID:

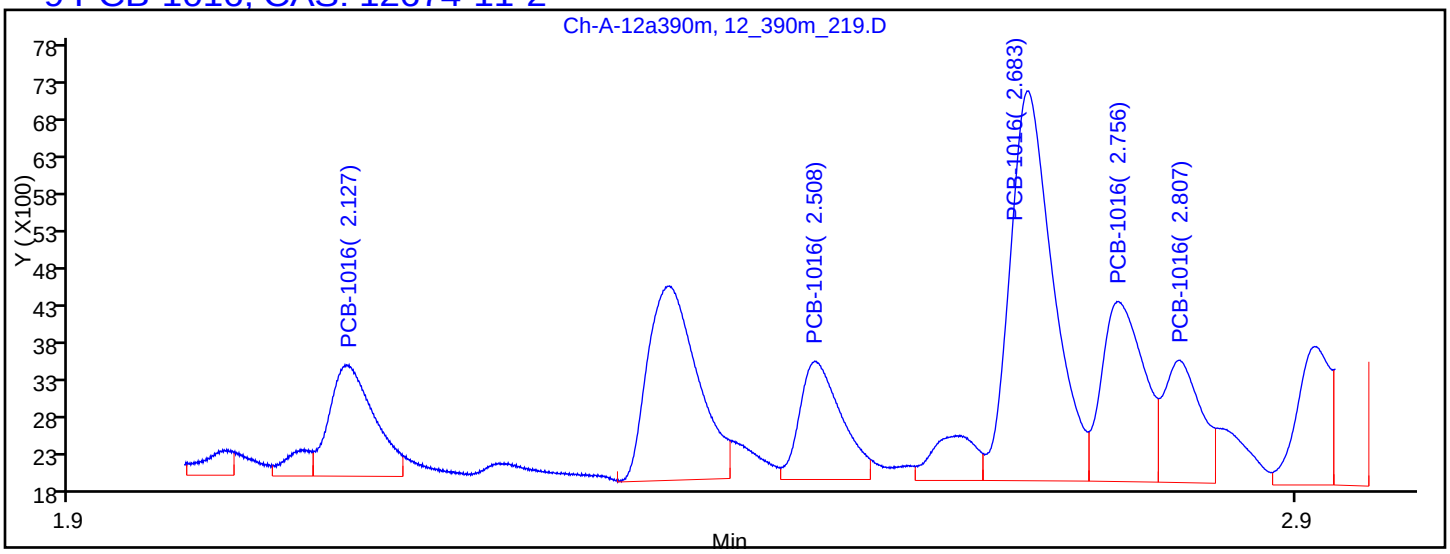
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 22

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

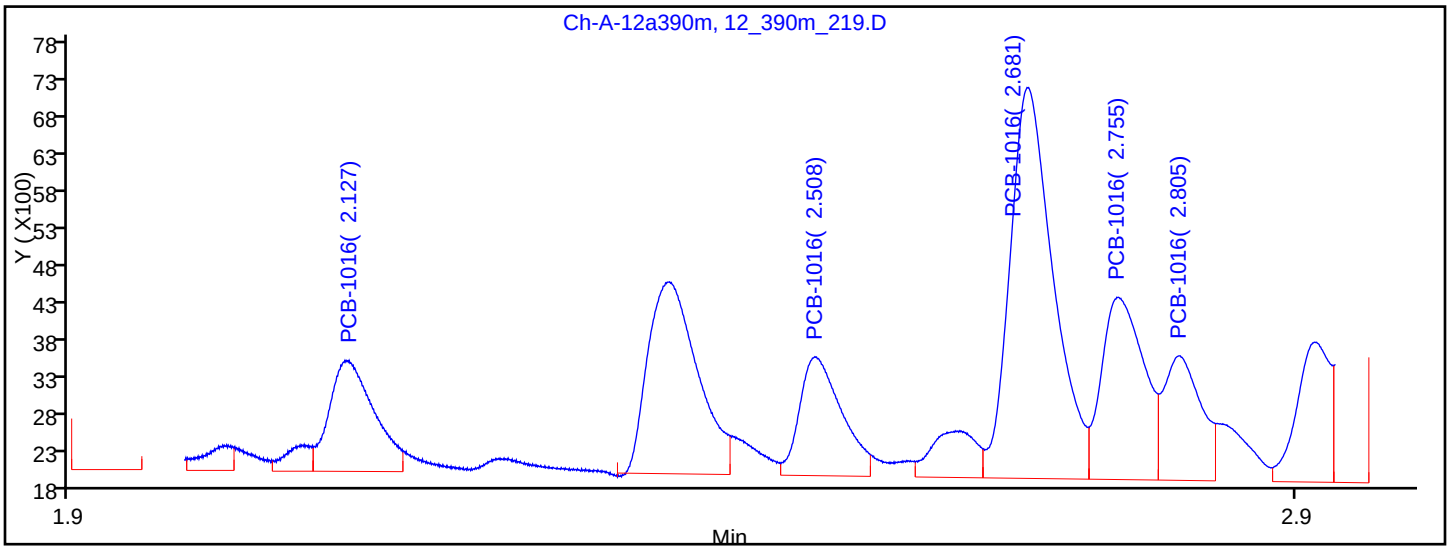
Column: Detector Ch-A-7A136

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.127	Response = 3817
2.508	Response = 3797
2.683	Response = 12961
2.756	Response = 5830
2.807	Response = 3484



Manual Integration Results

2.127	Response = 3817	
2.508	Response = 3863	M
2.681	Response = 13140	M
2.755	Response = 5959	M
2.805	Response = 3582	M

Reviewer: owenj, 12-May-2017 15:36:01

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

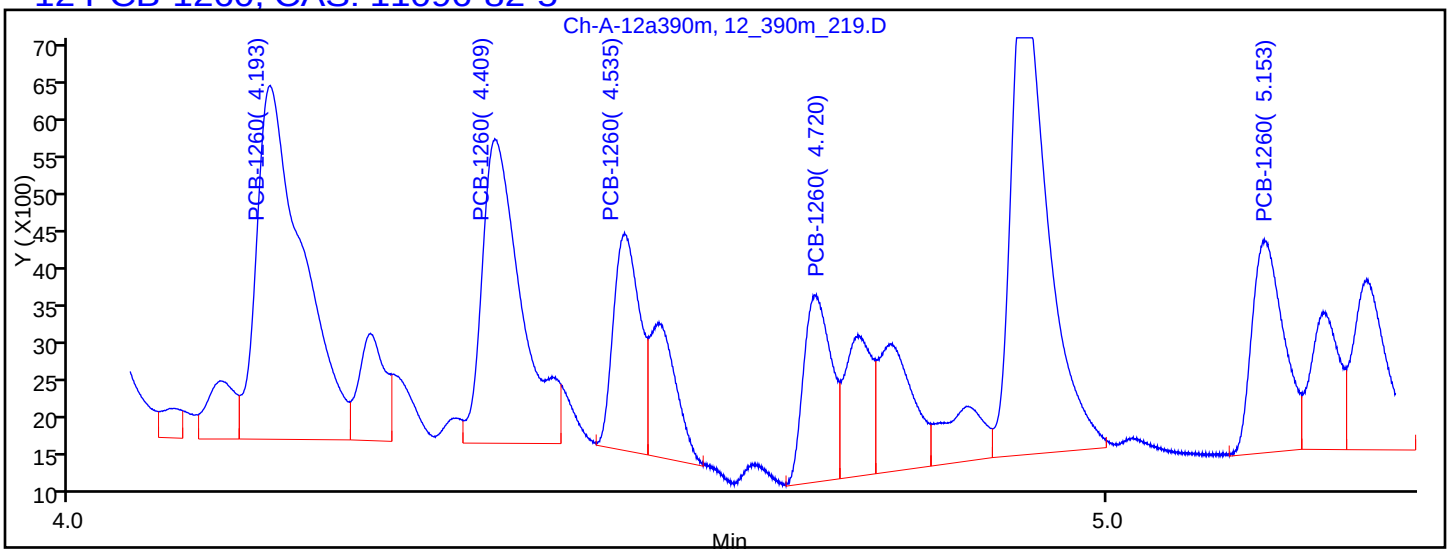
Report Date: 15-May-2017 13:51:06 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_219.D

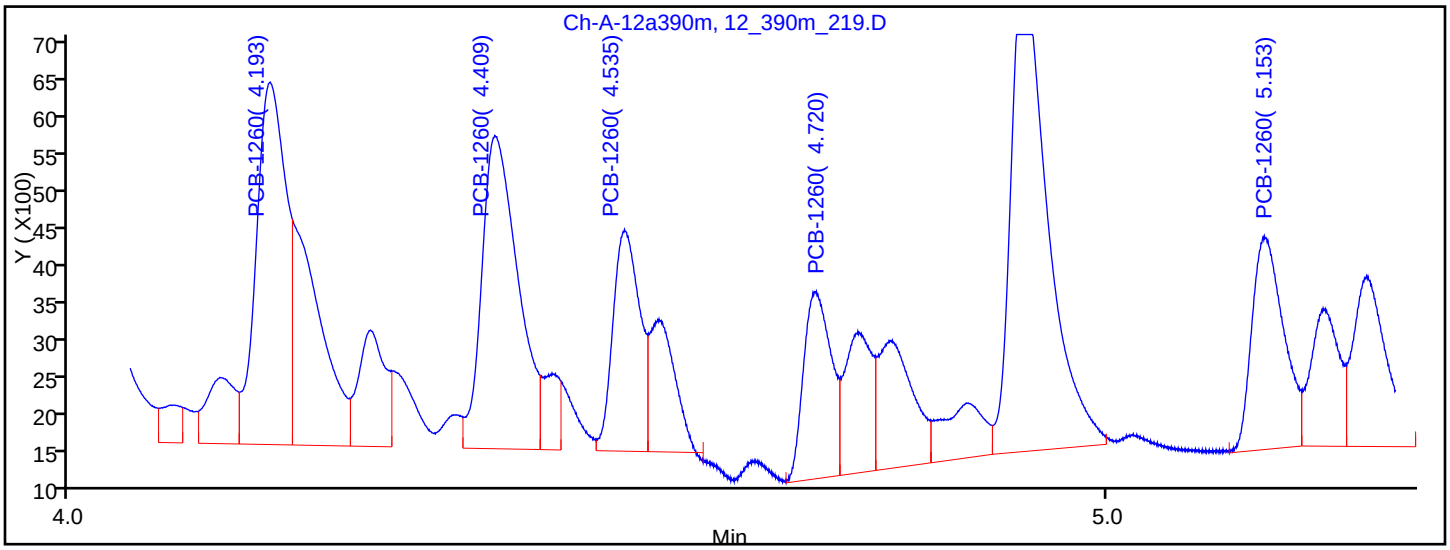
Injection Date:	11-May-2017 17:22:58	Instrument ID:	HP5890-12		
Lims ID:	IC 2				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

4.193	Response = 14758
4.409	Response = 10806
4.535	Response = 5215
4.720	Response = 4723
5.153	Response = 6147



Manual Integration Results

4.193	Response = 9740	M
4.409	Response = 10306	M
4.535	Response = 5394	M
4.720	Response = 4723	
5.153	Response = 6147	

Reviewer: owenj, 12-May-2017 15:36:04

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

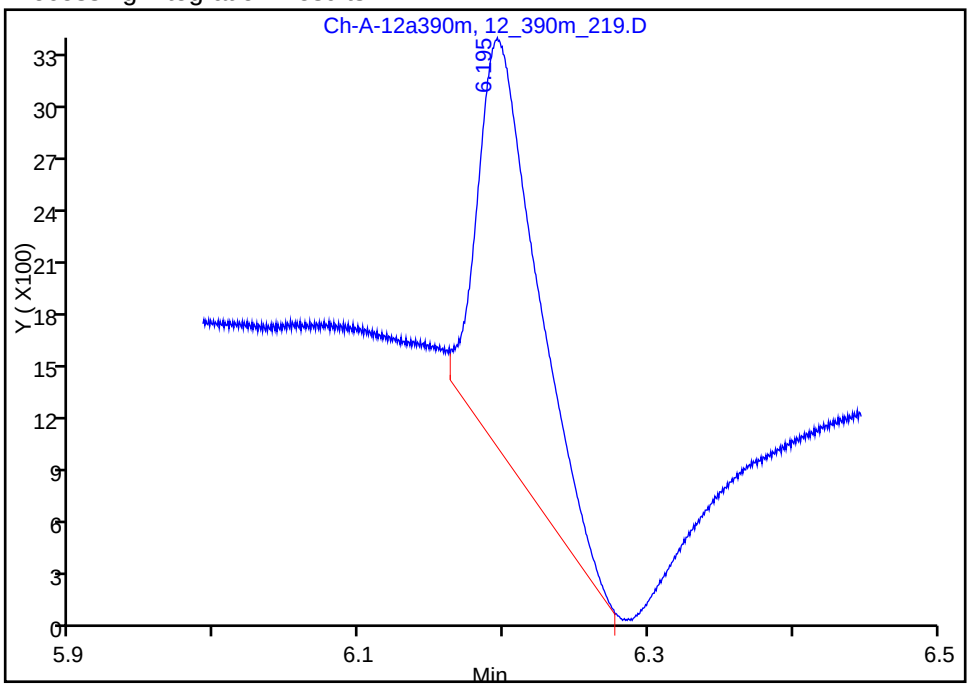
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_219.D
Injection Date: 11-May-2017 17:22:58 Instrument ID: HP5890-12
Lims ID: IC 2
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

$ 15 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 1

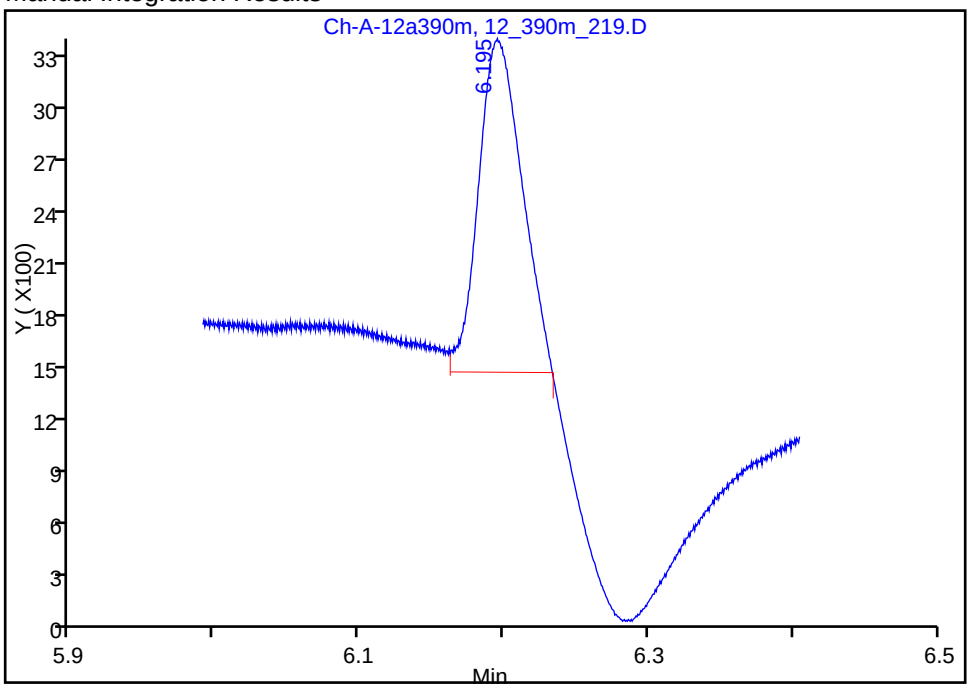
Processing Integration Results

RT: 6.20
Area: 6797
Amount: 0.001238
Amount Units: ng/uL



Manual Integration Results

RT: 6.20
Area: 3975
Amount: 0.001217
Amount Units: ng/uL



Reviewer: owenj, 12-May-2017 16:00:19
Audit Action: Split an Integrated Peak Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_220.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 11-May-2017 18:19:55 ALS Bottle#: 0 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:51:08 Calib Date: 12-May-2017 17:50:21
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_240.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 11-May-2017 19:09:57

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.321	1.321	0.000	1258044	0.5000	0.5000	
2	1.618	1.618	0.000	1118954	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.924	1.924	0.000	962	0.000500	0.000555	M
2	2.210	2.210	0.000	926	0.000500	0.000544	M
						RPD = 2.01	
9 PCB-1016							M
1	2.133	2.133	0.000	1232	0.0200	0.0180	M
1	2.515	2.515	0.000	1234	0.0200	0.0169	M
1	2.691	2.691	0.000	4764	0.0200	0.0192	M
1	2.767	2.767	0.000	2976	0.0200	0.0183	M
1	2.817	2.817	0.000	1510	0.0200	0.0186	M
		Average of Peak Amounts =				0.0182	
2	2.621	2.621	0.000	1614	0.0200	0.0188	M
2	2.943	2.943	0.000	2462	0.0200	0.0165	M
2	3.155	3.155	0.000	1211	0.0200	0.0228	M
2	3.254	3.254	0.000	4242	0.0200	0.0200	M
2	3.371	3.371	0.000	1657	0.0200	0.0221	M
		Average of Peak Amounts =				0.0200	
						RPD = 9.65	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.204	4.204	0.000	5364	0.0200	0.0156	M
1	4.420	4.420	0.000	5599	0.0200	0.0198	M
1	4.547	4.547	0.000	1941	0.0200	0.0176	M
1	4.730	4.730	0.000	1257	0.0200	0.0169	M
1	5.163	5.163	0.000	4207	0.0200	0.0251	M
		Average of Peak Amounts =				0.0190	
2	5.139	5.139	0.000	2420	0.0200	0.0161	M
2	5.459	5.459	0.000	2743	0.0200	0.0193	M
2	5.528	5.528	0.000	1920	0.0200	0.0184	M
2	5.595	5.595	0.000	5759	0.0200	0.0181	M
2	5.967	5.967	0.000	3556	0.0200	0.0200	M
		Average of Peak Amounts =				0.0184	
						RPD = 3.25	
$ 15 DCB Decachlorobiphenyl							M
1	6.208	6.208	0.000	1677	0.000500	0.000508	M
2	7.261	7.261	0.000	1769	0.000500	0.000496	M
						RPD = 2.33	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is.02_00005 Amount Added: 1.00 Units: mL

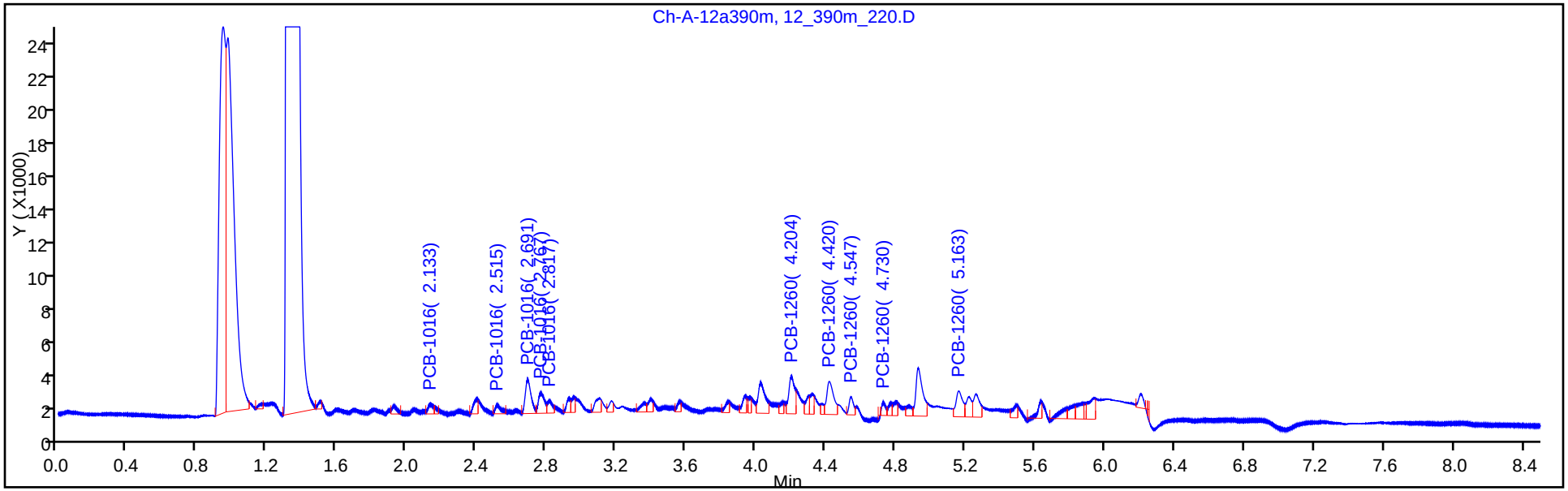
Report Date: 15-May-2017 13:51:09 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

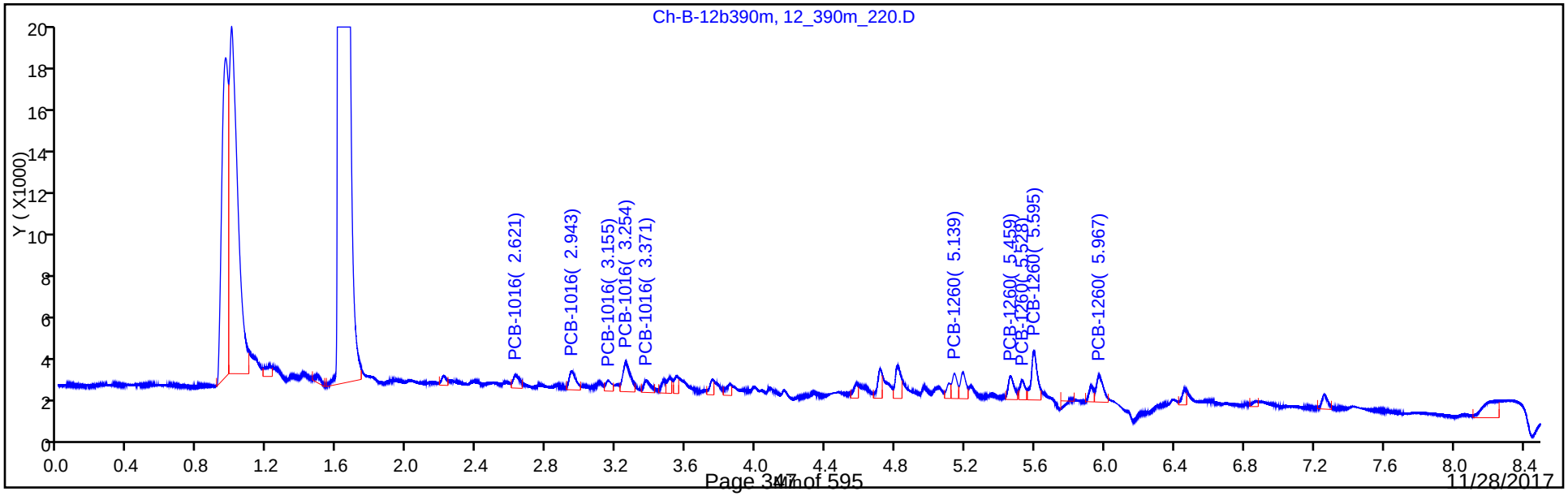
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_220.D

Injection Date:	11-May-2017 18:19:55	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 1			Worklist Smp#:	23
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

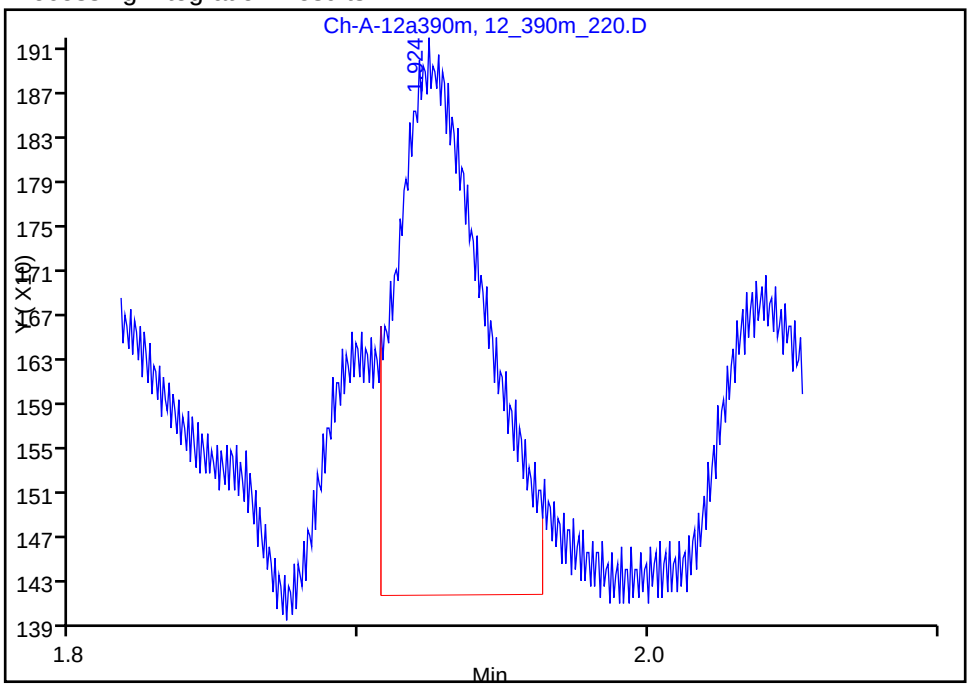
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_220.D
Injection Date: 11-May-2017 18:19:55 Instrument ID: HP5890-12
Lims ID: IC 1
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 1

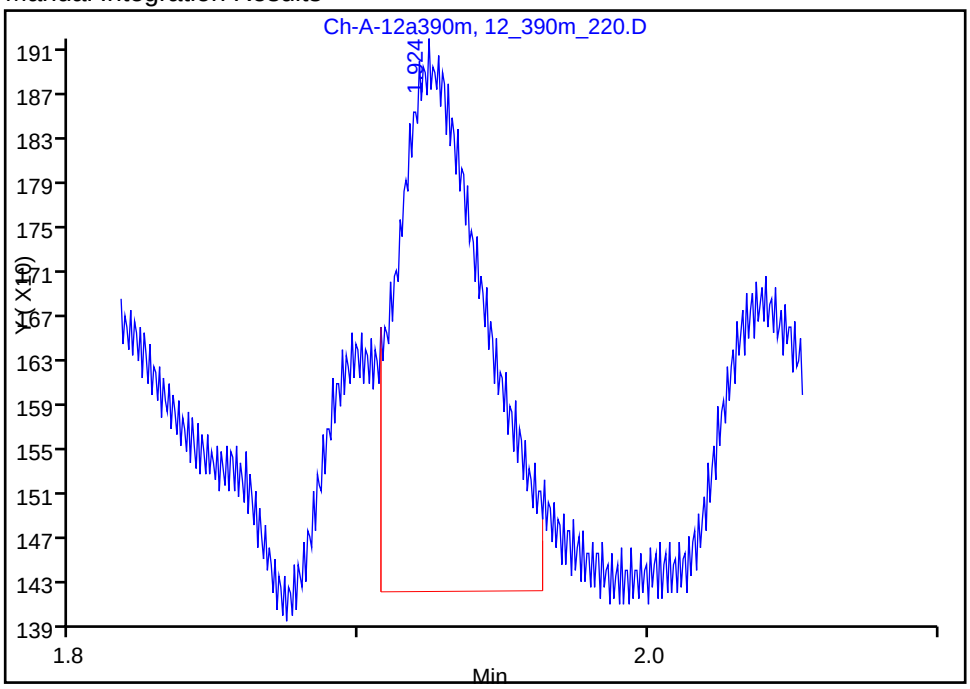
Processing Integration Results

RT: 1.92
Area: 975
Amount: 0.000460
Amount Units: ng/uL



Manual Integration Results

RT: 1.92
Area: 962
Amount: 0.000555
Amount Units: ng/uL



Reviewer: owenj, 12-May-2017 15:48:33
Audit Action: Assigned New Baseline Audit Reason: Split Peak

Report Date: 15-May-2017 13:51:09 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_220.D

Injection Date: 11-May-2017 18:19:55 Instrument ID: HP5890-12

Lims ID: IC 1

Client ID:

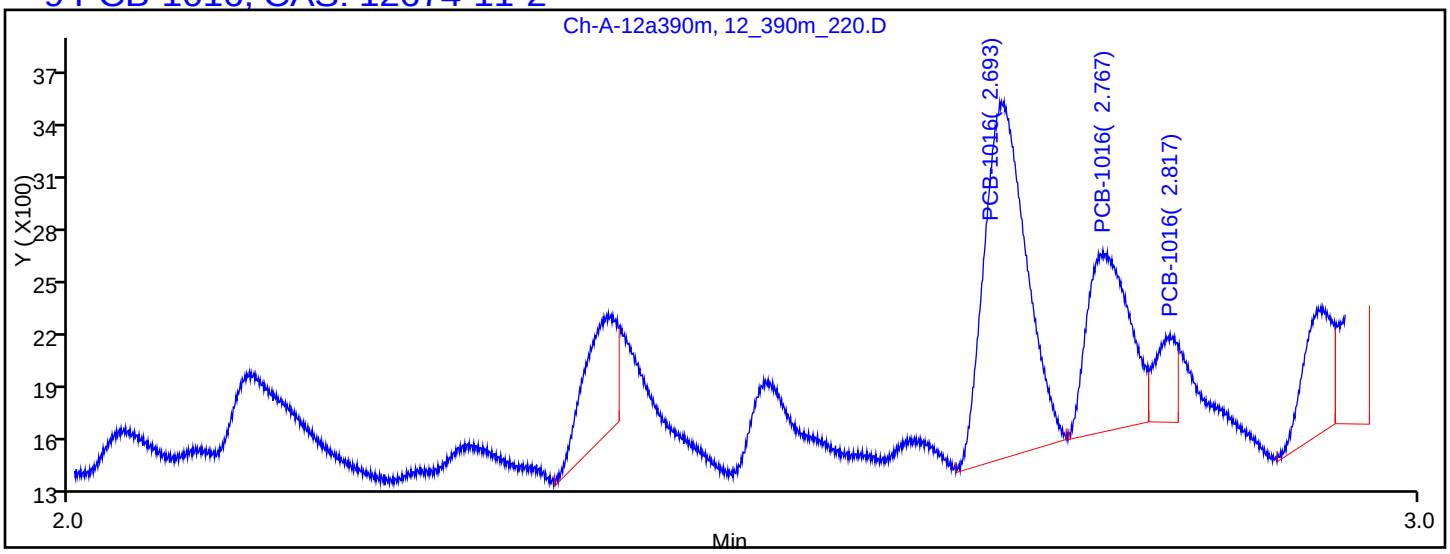
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 23

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

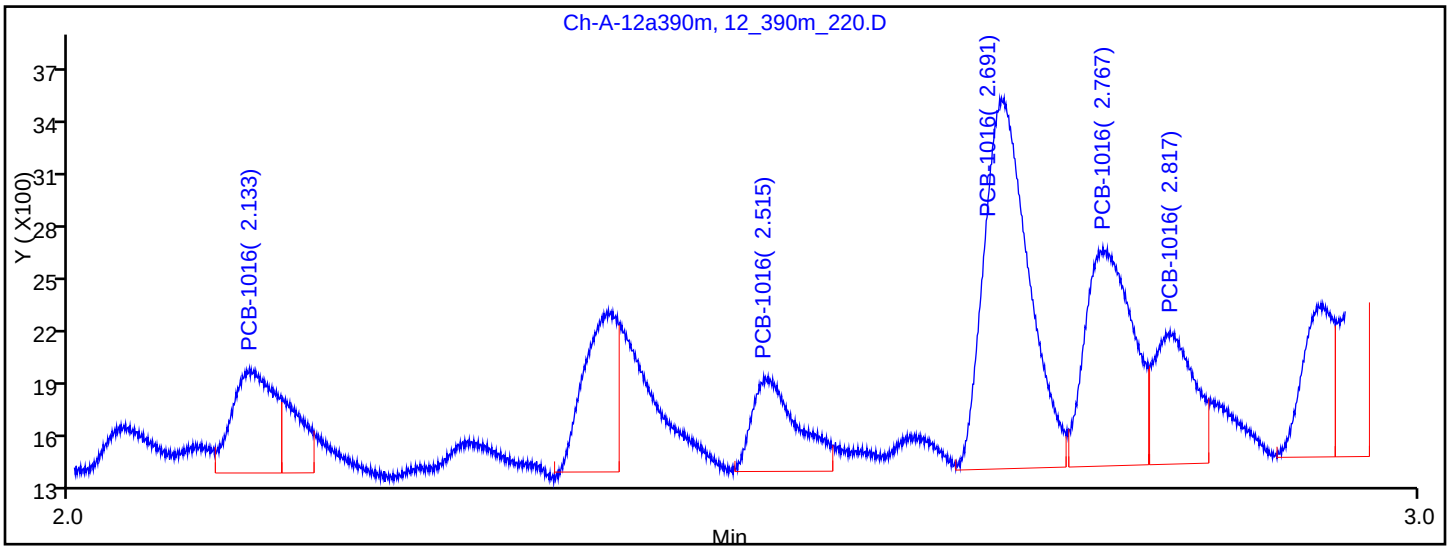
Column: Detector Ch-A-7A136

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.133	Response = 0
2.515	Response = 0
2.693	Response = 4331
2.767	Response = 2212
2.817	Response = 536



Manual Integration Results

2.133	Response = 1232	M
2.515	Response = 1234	M
2.691	Response = 4764	M
2.767	Response = 2976	M
2.817	Response = 1510	M

Reviewer: owenj, 12-May-2017 15:44:11

Audit Action: Assigned New Baseline Audit Reason: Split Peak

Report Date: 15-May-2017 13:51:09 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_220.D

Injection Date: 11-May-2017 18:19:55 Instrument ID: HP5890-12

Lims ID: IC 1

Client ID:

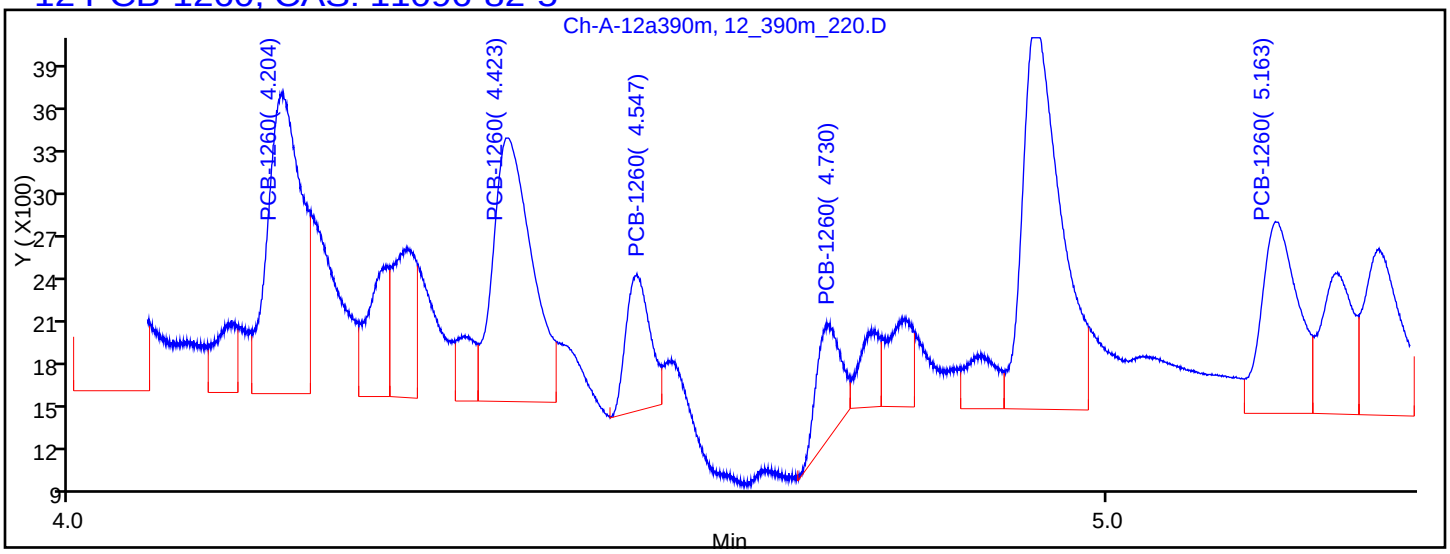
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 23

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

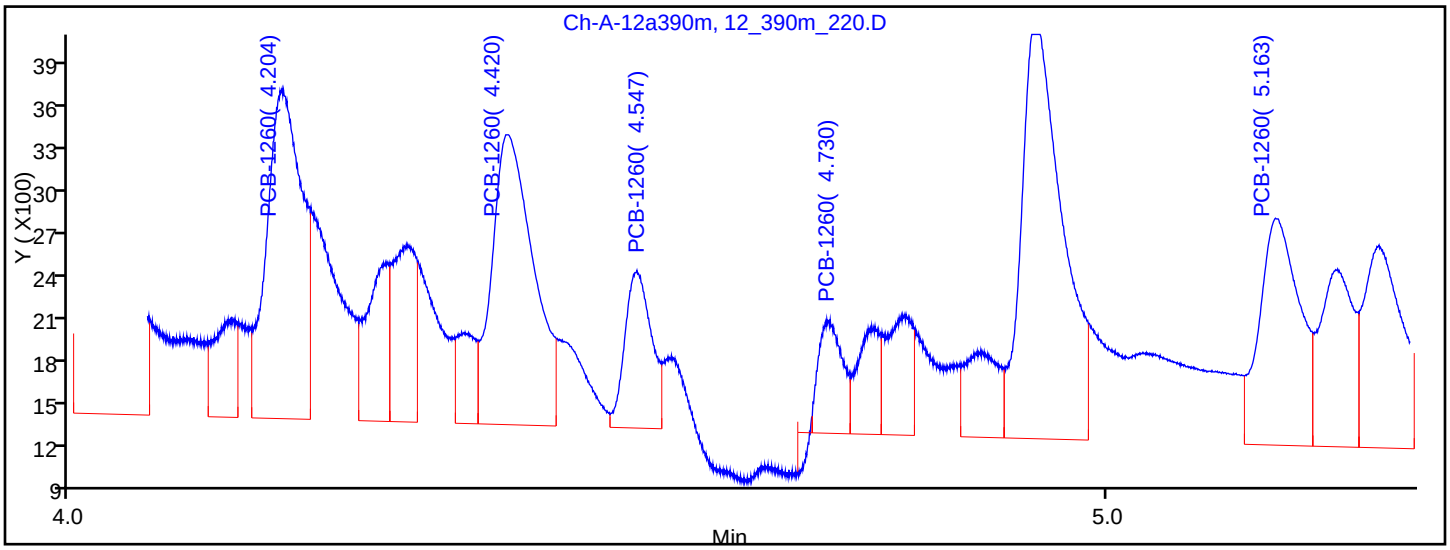
Column: Detector Ch-A-7A136

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

4.204	Response = 4701
4.423	Response = 4772
4.547	Response = 1524
4.730	Response = 1304
5.163	Response = 3247



Manual Integration Results

4.204	Response = 5364	M
4.420	Response = 5599	M
4.547	Response = 1941	M
4.730	Response = 1257	M
5.163	Response = 4207	M

Reviewer: owenj, 12-May-2017 15:56:39

Audit Action: Assigned New Baseline Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

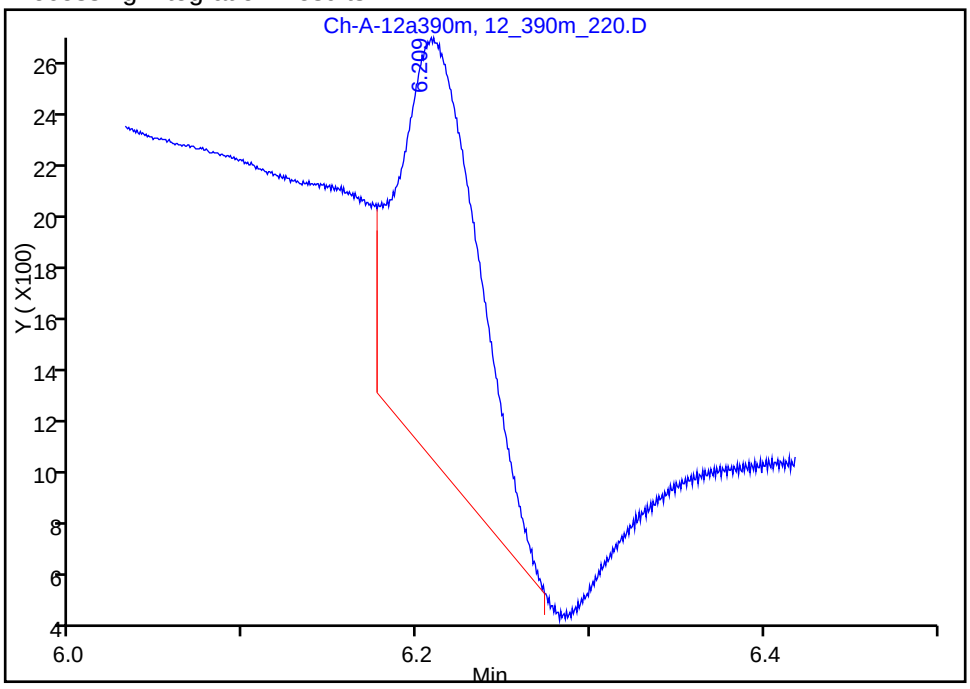
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_220.D
Injection Date: 11-May-2017 18:19:55 Instrument ID: HP5890-12
Lims ID: IC 1
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

$ 15 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 1

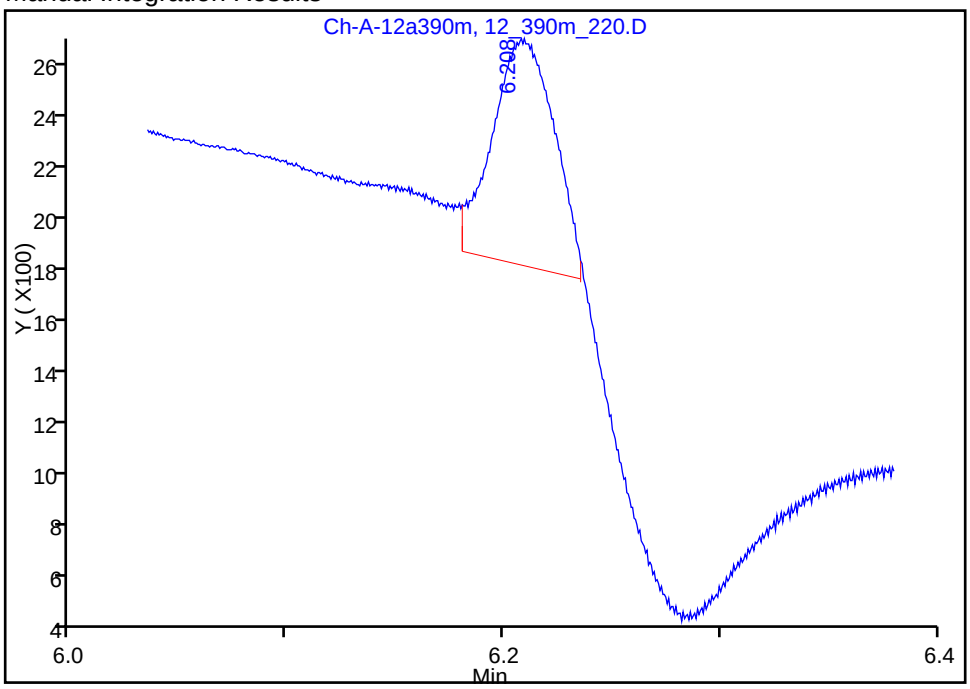
Processing Integration Results

RT: 6.21
Area: 5080
Amount: 0.000483
Amount Units: ng/uL



Manual Integration Results

RT: 6.21
Area: 1677
Amount: 0.000508
Amount Units: ng/uL



Reviewer: owenj, 12-May-2017 16:00:51
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1 Analy Batch No.: 356902

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/11/2017 15:46 Calibration End Date: 05/11/2017 18:19 Calibration ID: 30528

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-356902/23	12_390m_220.D
Level 2	IC 480-356902/22	12_390m_219.D
Level 3	IC 480-356902/21	12_390m_218.D
Level 4	IC 480-356902/20	12_390m_217.D
Level 5	ICIS 480-356902/19	12_390m_216.D
Level 6	IC 480-356902/18	12_390m_215.D
Level 7	IC 480-356902/17	12_390m_214.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 4	LVL 5		B	M1	M2								
PCB-1016 Peak 1	0.0361 0.0203	0.0266 0.0197	0.0227	0.0230	0.0221	Lin1	0.0003	0.0199							0.9990		0.9900
PCB-1016 Peak 2	0.0550 0.0422	0.0481 0.0402	0.0479	0.0481	0.0449	Lin1	0.0004	0.0413							0.9980		0.9900
PCB-1016 Peak 3	0.0271 0.0259	0.0231 0.0258	0.0206	0.0281	0.0272	Lin1	0	0.0261							0.9980		0.9900
PCB-1016 Peak 4	0.0948 0.0807	0.0850 0.0797	0.0809	0.0838	0.0819	Lin1	0.0003	0.0801							1.0000		0.9900
PCB-1016 Peak 5	0.0370 0.0332	0.0319 0.0328	0.0301	0.0353	0.0341	Ave		0.0335				6.7		20.0			
PCB-1260 Peak 1	0.0541 0.0528	0.0590 0.0511	0.0567	0.0590	0.0529	Lin1	0.0002	0.0520							0.9990		0.9900
PCB-1260 Peak 2	0.0613 0.0434	0.0472 0.0427	0.0474	0.0503	0.0437	Lin1	0.0004	0.0430							0.9990		0.9900
PCB-1260 Peak 3	0.0429 0.0325	0.0359 0.0320	0.0369	0.0356	0.0334	Lin1	0.0003	0.0323							0.9990		0.9900
PCB-1260 Peak 4	0.1287 0.1167	0.1191 0.1140	0.1324	0.1222	0.1168	Lin1	0.0005	0.1152							0.9990		0.9900
PCB-1260 Peak 5	0.0794 0.0764	0.0739 0.0759	0.0785	0.0782	0.0764	Lin1	0.0001	0.0761							1.0000		0.9900
Tetrachloro-m-xylene	0.8276 0.8817	1.0076 0.9296	0.7820	0.7573	0.8442	Lin1	0	0.8994							0.9970		0.9900
DCB Decachlorobiphenyl	1.5809 1.3523	1.3605 1.3237	1.4110	1.4044	1.3751	Lin1	0.0001	1.3368							1.0000		0.9900

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1 Analy Batch No.: 356902

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/11/2017 15:46 Calibration End Date: 05/11/2017 18:19 Calibration ID: 30528

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-356902/23	12_390m_220.D
Level 2	IC 480-356902/22	12_390m_219.D
Level 3	IC 480-356902/21	12_390m_218.D
Level 4	IC 480-356902/20	12_390m_217.D
Level 5	ICIS 480-356902/19	12_390m_216.D
Level 6	IC 480-356902/18	12_390m_215.D
Level 7	IC 480-356902/17	12_390m_214.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	BNB	Lin1	1614 44352	2939 83522	4852	10411	24469	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 2	BNB	Lin1	2462 92451	5317 170236	10245	21779	49784	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 3	BNB	Lin1	1211 56659	2551 109428	4397	12711	30139	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 4	BNB	Lin1	4242 176641	9406 338084	17306	37971	90874	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 5	BNB	Ave	1657 72644	3531 139181	6439	15981	37865	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 1	BNB	Lin1	2420 115663	6524 216459	12126	26704	58672	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 2	BNB	Lin1	2743 95144	5220 181227	10136	22758	48489	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 3	BNB	Lin1	1920 71243	3975 135872	7891	16127	37018	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 4	BNB	Lin1	5759 255646	13176 483176	28326	55320	129530	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 5	BNB	Lin1	3556 167370	8176 321662	16798	35418	84773	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
Tetrachloro-m-xylene	BNB	Lin1	926 48270	2787 98537	4181	8574	23415	0.000500 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125
DCB Decachlorobiphenyl	BNB	Lin1	1769 74030	3763 140307	7544	15899	38140	0.000500 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_214.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 11-May-2017 15:46:31 ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:50:46 Calib Date: 12-May-2017 17:50:21
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_240.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 15-May-2017 13:50:39

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.318	1.335	-0.017	1194213	0.5000	0.5000	
2	1.616	1.603	0.013	1059943	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.916	1.892	0.024	119949	0.0500	0.0496	M
2	2.205	2.202	0.003	98537	0.0500	0.0518	
						RPD = 4.26	
9 PCB-1016							M
1	2.120	2.123	-0.003	113721	2.00	1.75	M
1	2.503	2.521	-0.018	130483	2.00	1.89	M
1	2.676	2.681	-0.005	430879	2.00	1.83	M
1	2.749	2.758	-0.009	175066	2.00	1.94	M
1	2.802	2.803	-0.001	109435	2.00	1.95	M
		Average of Peak Amounts =				1.87	
2	2.613	2.627	-0.014	83522	2.00	1.96	
2	2.933	2.938	-0.005	170236	2.00	1.93	M
2	3.146	3.146	0.000	109428	2.00	1.98	M
2	3.245	3.249	-0.004	338084	2.00	1.99	M
2	3.363	3.364	-0.001	139181	2.00	1.96	M
		Average of Peak Amounts =				1.96	
						RPD = 4.91	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.186	4.185	0.001	260007	2.00	1.96	M
1	4.404	4.402	0.002	357275	2.00	1.96	M
1	4.530	4.563	-0.033	196587	2.00	1.88	M
1	4.713	4.711	0.002	171815	2.00	1.97	M
1	5.149	5.146	0.003	234875	2.00	2.01	M
		Average of Peak Amounts =				1.96	
2	5.129	5.128	0.001	216459	2.00	1.96	M
2	5.449	5.448	0.001	181227	2.00	1.98	M
2	5.517	5.515	0.002	135872	2.00	1.98	M
2	5.583	5.581	0.002	483176	2.00	1.97	M
2	5.956	5.954	0.002	321662	2.00	1.99	M
		Average of Peak Amounts =				1.98	
						RPD = 1.00	
$ 15 DCB Decachlorobiphenyl							
1	6.193	6.187	0.006	157874	0.0500	0.0504	
2	7.247	7.248	-0.001	140307	0.0500	0.0494	
						RPD = 1.89	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is2.0_00005 Amount Added: 1.00 Units: mL

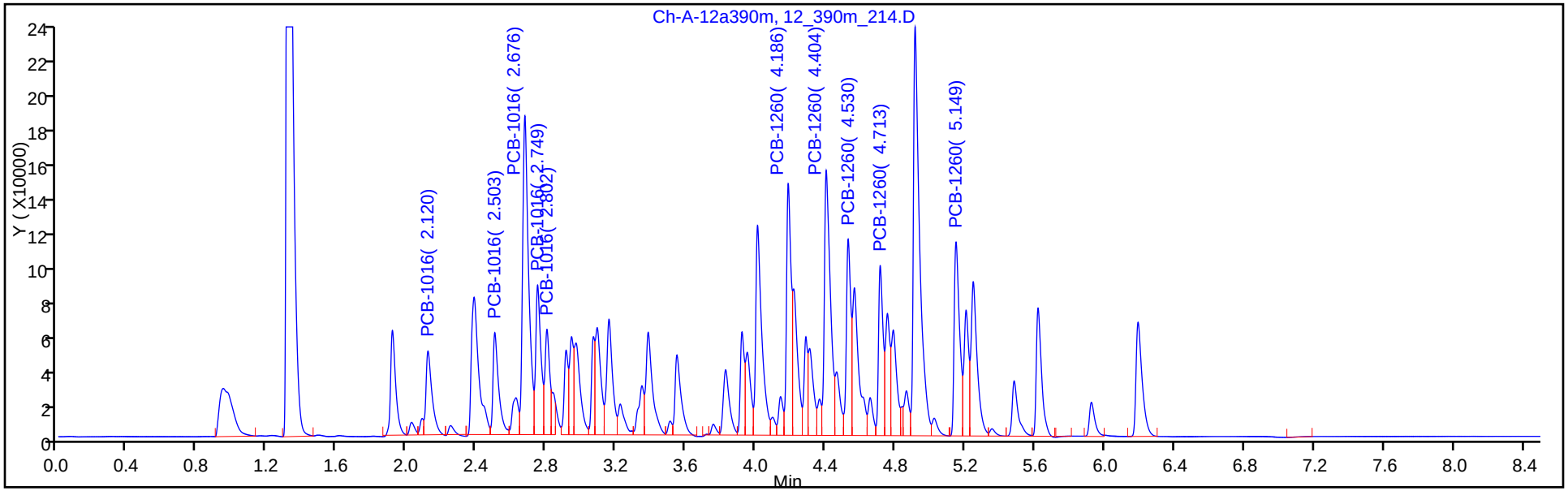
Report Date: 15-May-2017 13:50:47 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

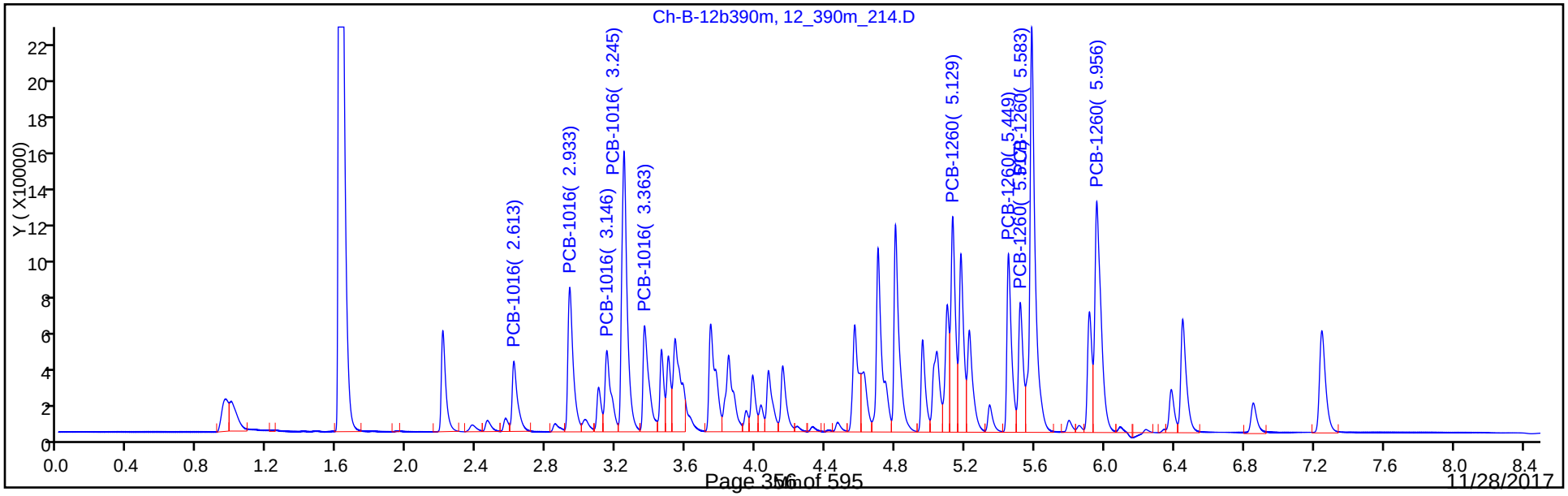
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Injection Date:	11-May-2017 15:46:31	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 7			Worklist Smp#:	17
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



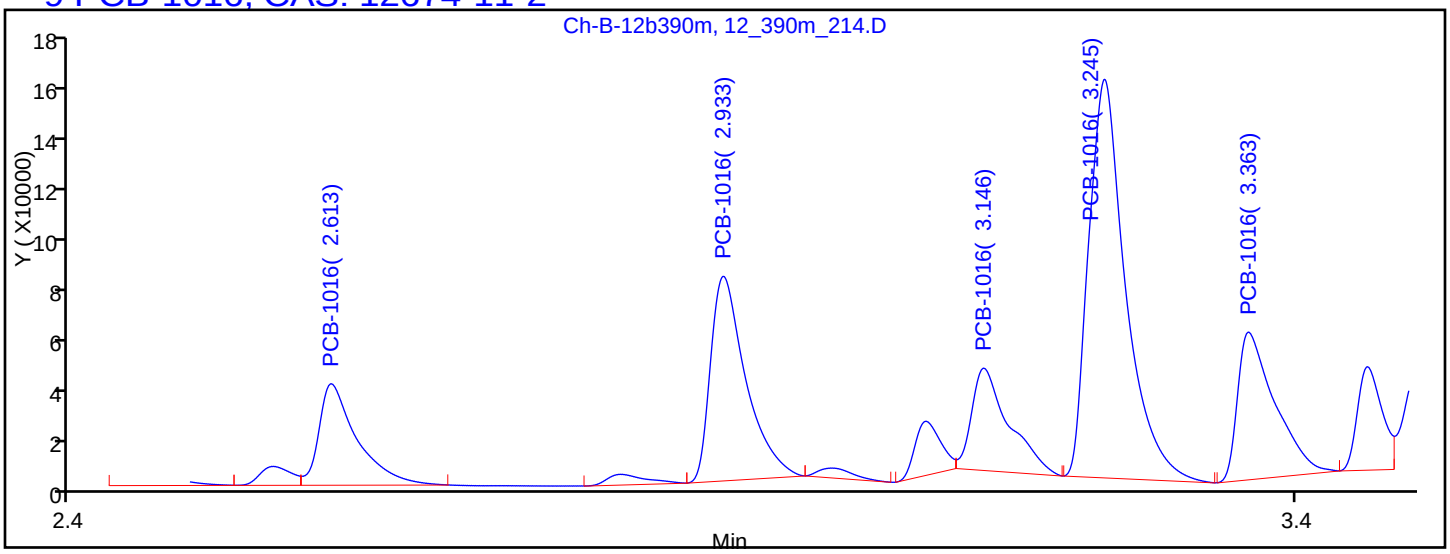
Report Date: 15-May-2017 13:50:47 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

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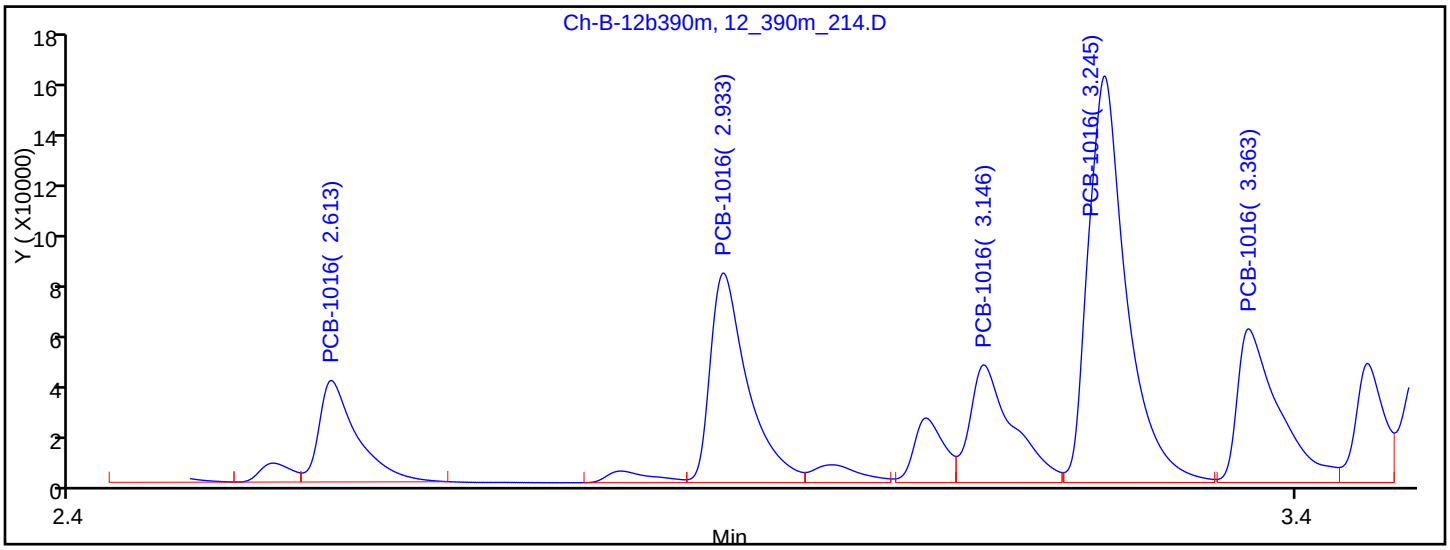
Injection Date:	11-May-2017 15:46:31	Instrument ID:	HP5890-12		
Lims ID:	IC 7				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.613	Response = 83522
2.933	Response = 156237
3.146	Response = 82525
3.245	Response = 320180
3.363	Response = 118889



Manual Integration Results

2.613	Response = 83522	
2.933	Response = 170236	M
3.146	Response = 109428	M
3.245	Response = 338084	M
3.363	Response = 139181	M

Reviewer: owenj, 11-May-2017 16:53:05

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

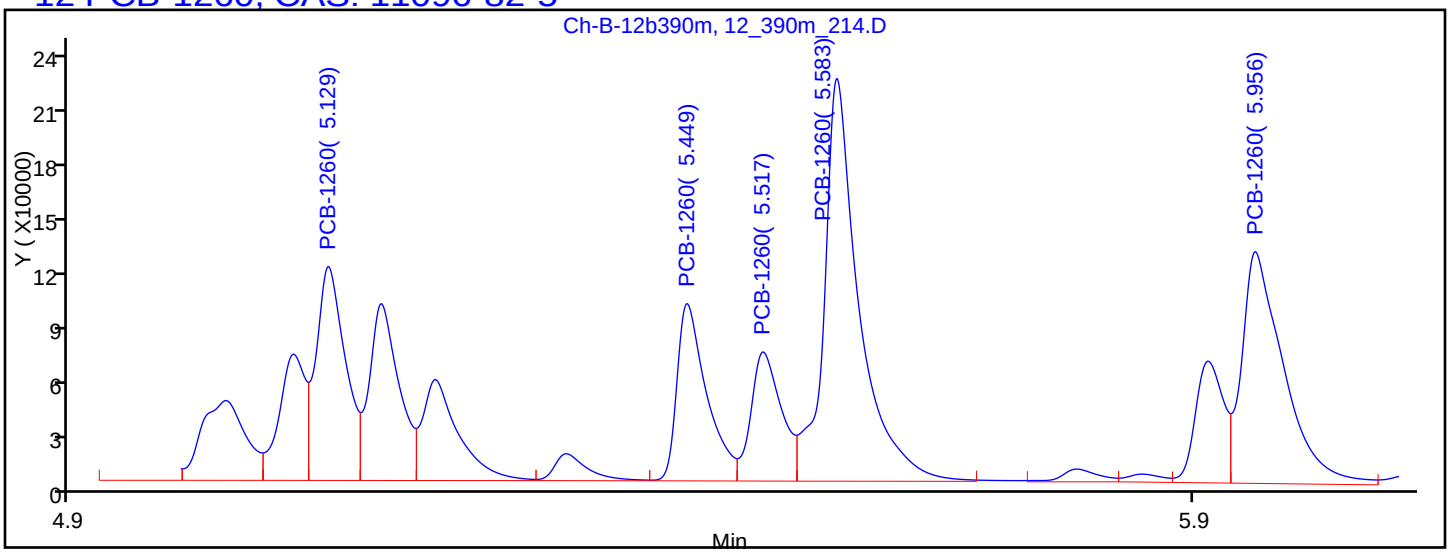
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TestAmerica Buffalo

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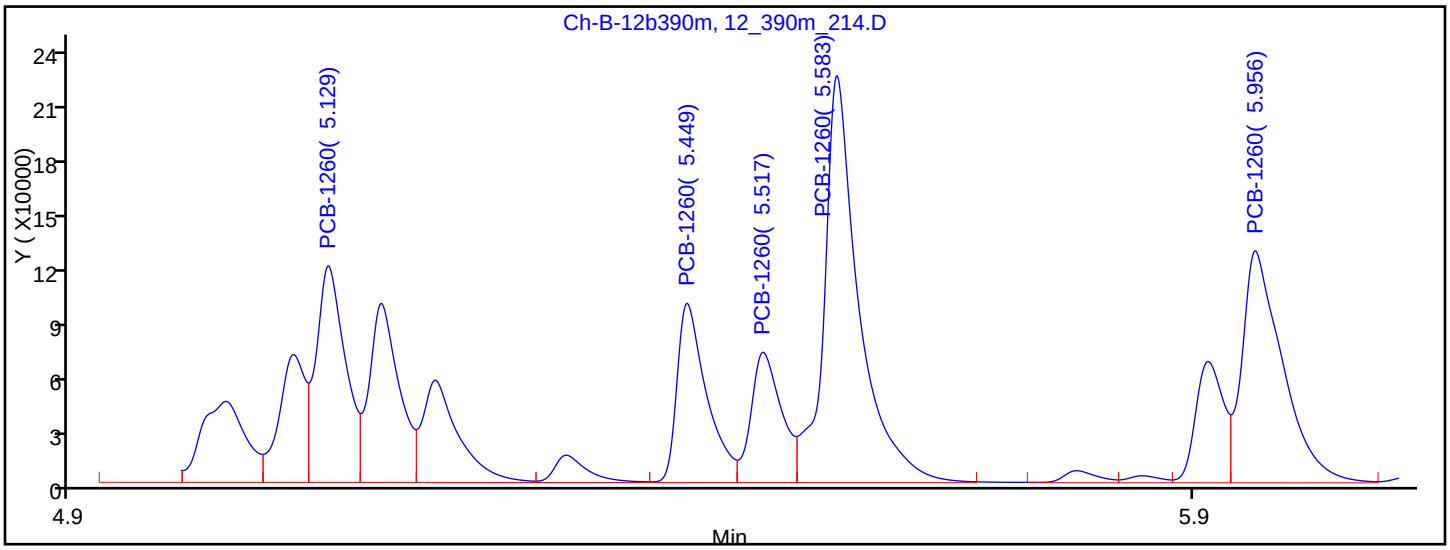
Injection Date:	11-May-2017 15:46:31	Instrument ID:	HP5890-12		
Lims ID:	IC 7				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

5.129	Response = 216069
5.449	Response = 181435
5.517	Response = 136296
5.583	Response = 485154
5.956	Response = 334613



Manual Integration Results

5.129	Response = 216459	M
5.449	Response = 181227	M
5.517	Response = 135872	M
5.583	Response = 483176	M
5.956	Response = 321662	M

Reviewer: owenj, 11-May-2017 16:53:10

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_215.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 11-May-2017 16:01:52 ALS Bottle#: 0 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:50:50 Calib Date: 12-May-2017 17:50:21
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_240.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 12-May-2017 15:33:10

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.318	1.335	-0.017	1225188	0.5000	0.5000	
2	1.616	1.603	0.013	1094893	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.917	1.892	0.025	64039	0.0250	0.0259	M
2	2.207	2.202	0.005	48270	0.0250	0.0246	
						RPD = 5.18	
9 PCB-1016							M
1	2.121	2.123	-0.002	66140	1.00	0.99	M
1	2.504	2.521	-0.017	72358	1.00	1.02	M
1	2.677	2.681	-0.004	235761	1.00	0.9741	M
1	2.750	2.758	-0.008	96162	1.00	1.03	M
1	2.803	2.803	0.000	60376	1.00	1.04	M
		Average of Peak Amounts =				1.01	
2	2.615	2.627	-0.012	44352	1.00	1.00	
2	2.935	2.938	-0.003	92451	1.00	1.01	M
2	3.147	3.146	0.001	56659	1.00	1.00	M
2	3.246	3.249	-0.003	176641	1.00	1.00	M
2	3.364	3.364	0.000	72644	1.00	0.99	M
		Average of Peak Amounts =				1.00	
						RPD = 1.27	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.187	4.185	0.002	134181	1.00	0.9760	M
1	4.404	4.402	0.002	192588	1.00	1.03	M
1	4.530	4.563	-0.033	107623	1.00	1.00	M
1	4.715	4.711	0.004	91027	1.00	1.02	M
1	5.149	5.146	0.003	122865	1.00	1.02	M
		Average of Peak Amounts =				1.01	
2	5.130	5.128	0.002	115663	1.00	1.01	
2	5.451	5.448	0.003	95144	1.00	1.00	
2	5.517	5.515	0.002	71243	1.00	1.00	
2	5.583	5.581	0.002	255646	1.00	1.01	
2	5.956	5.954	0.002	167370	1.00	1.00	
		Average of Peak Amounts =				1.00	
						RPD = 0.38	
$ 15 DCB Decachlorobiphenyl							M
1	6.194	6.187	0.007	81549	0.0250	0.0254	M
2	7.247	7.248	-0.001	74030	0.0250	0.0252	
						RPD = 0.64	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is1.0_00006 Amount Added: 1.00 Units: mL

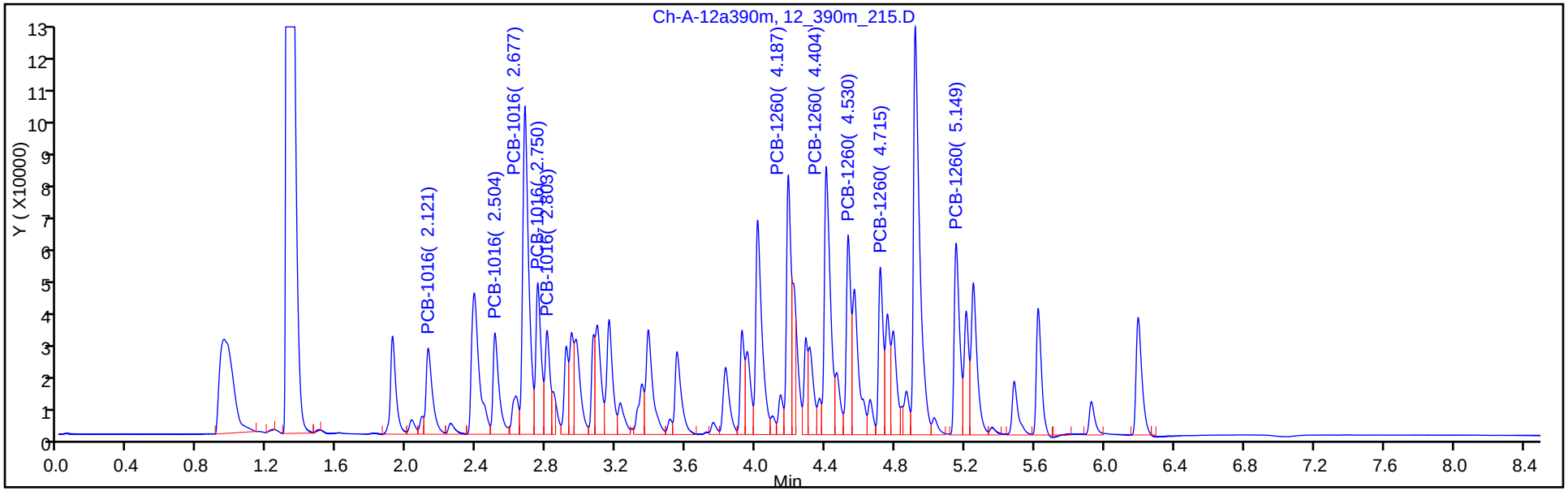
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TestAmerica Buffalo

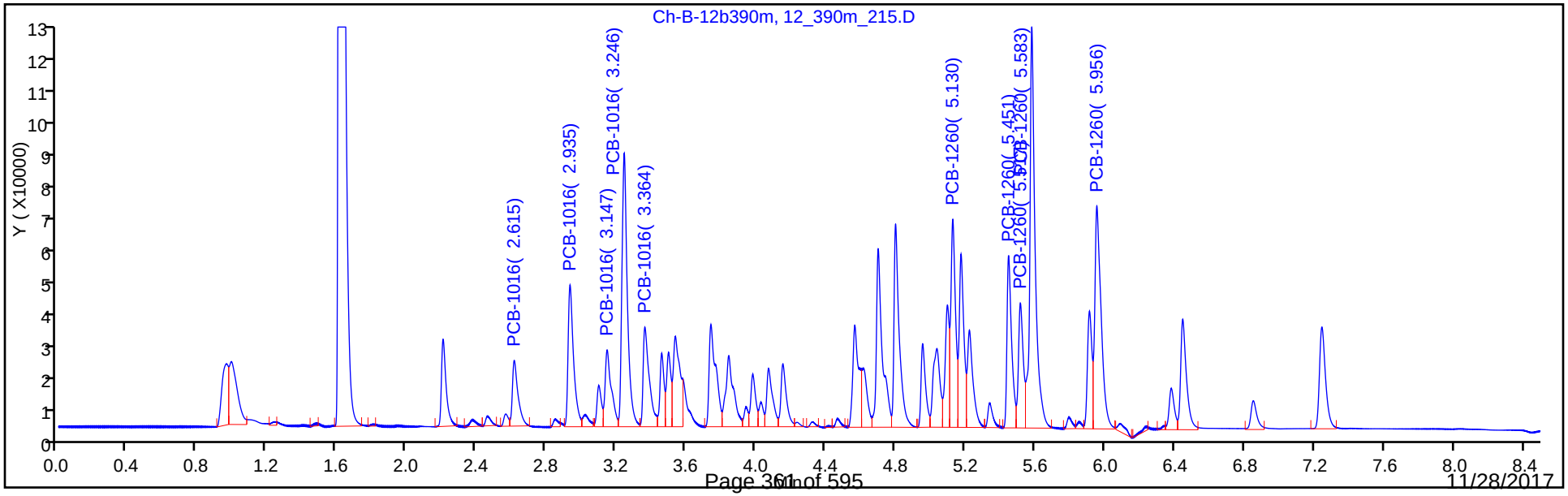
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_215.D

Injection Date:	11-May-2017 16:01:52	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 6			Worklist Smp#:	18
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



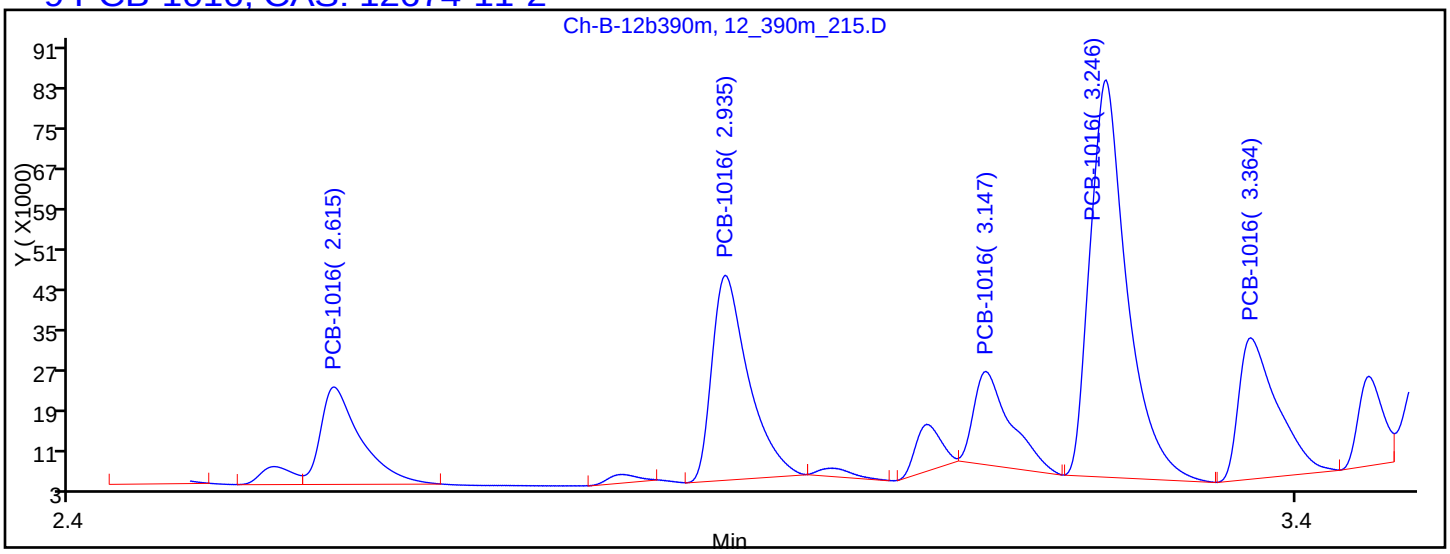
Report Date: 15-May-2017 13:50:51 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_215.D

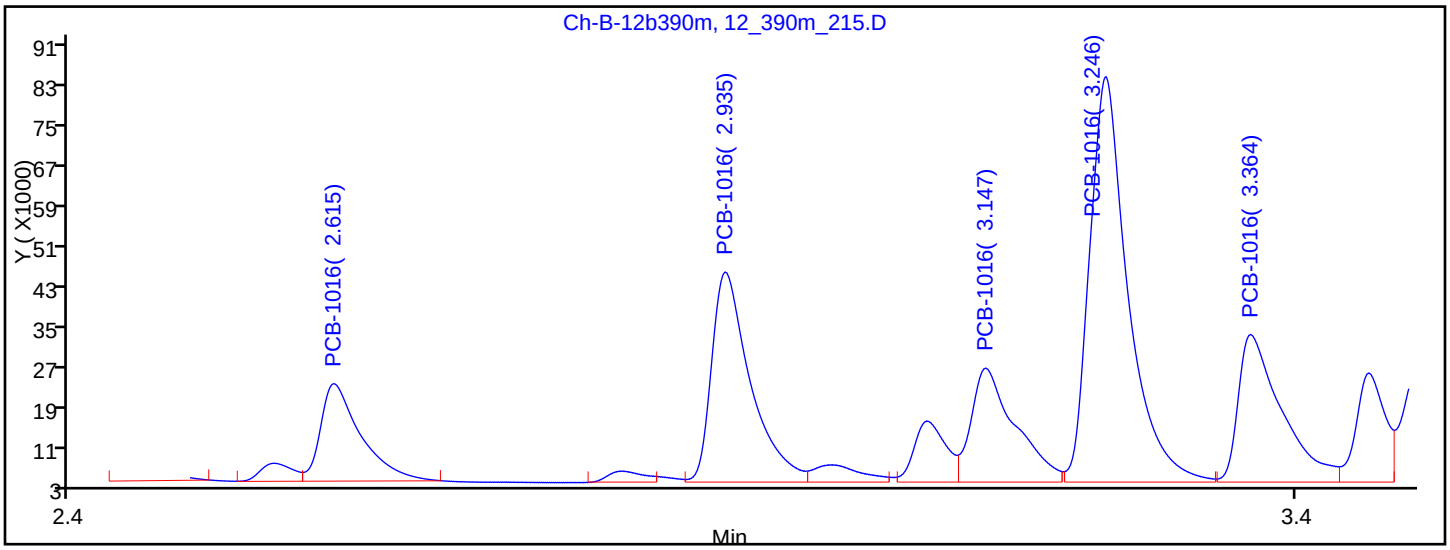
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Lims ID:	IC 6				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.615	Response = 44352
2.935	Response = 84657
3.147	Response = 39131
3.246	Response = 167029
3.364	Response = 61955



Manual Integration Results

2.615	Response = 44352	
2.935	Response = 92451	M
3.147	Response = 56659	M
3.246	Response = 176641	M
3.364	Response = 72644	M

Reviewer: owenj, 12-May-2017 15:32:44

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_216.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 11-May-2017 16:17:12 ALS Bottle#: 0 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:50:53 Calib Date: 12-May-2017 17:50:21
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_240.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 12-May-2017 15:33:58

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.319	1.319	0.000	1242256	0.5000	0.5000	
2	1.617	1.617	0.000	1109432	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.917	1.917	0.000	30459	0.0125	0.0122	M
2	2.207	2.207	0.000	23415	0.0125	0.0118	M
						RPD = 3.56	
9 PCB-1016							M
1	2.123	2.123	0.000	34907	0.5000	0.5166	M
1	2.505	2.505	0.000	37488	0.5000	0.5210	M
1	2.677	2.677	0.000	123085	0.5000	0.5016	M
1	2.751	2.751	0.000	49584	0.5000	0.5186	M
1	2.803	2.803	0.000	30097	0.5000	0.5096	M
		Average of Peak Amounts =				0.5135	
2	2.616	2.616	0.000	24469	0.5000	0.5356	M
2	2.936	2.936	0.000	49784	0.5000	0.5328	M
2	3.147	3.147	0.000	30139	0.5000	0.5235	M
2	3.246	3.246	0.000	90874	0.5000	0.5075	M
2	3.364	3.364	0.000	37865	0.5000	0.5095	M
		Average of Peak Amounts =				0.5218	
						RPD = 1.60	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.187	4.187	0.000	75072	0.5000	0.5281	M
1	4.405	4.405	0.000	97345	0.5000	0.5064	
1	4.531	4.531	0.000	55281	0.5000	0.5087	
1	4.714	4.714	0.000	45564	0.5000	0.5047	
1	5.149	5.149	0.000	60333	0.5000	0.4889	M
		Average of Peak Amounts =				0.5074	
2	5.130	5.130	0.000	58672	0.5000	0.5040	
2	5.450	5.450	0.000	48489	0.5000	0.4990	
2	5.518	5.518	0.000	37018	0.5000	0.5086	
2	5.583	5.583	0.000	129530	0.5000	0.5025	
2	5.955	5.955	0.000	84773	0.5000	0.5009	
		Average of Peak Amounts =				0.5030	
						RPD = 0.86	
$ 15 DCB Decachlorobiphenyl							M
1	6.192	6.192	0.000	40170	0.0125	0.0123	M
2	7.245	7.245	0.000	38140	0.0125	0.0128	
						RPD = 3.55	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is0.5_00005 Amount Added: 1.00 Units: mL

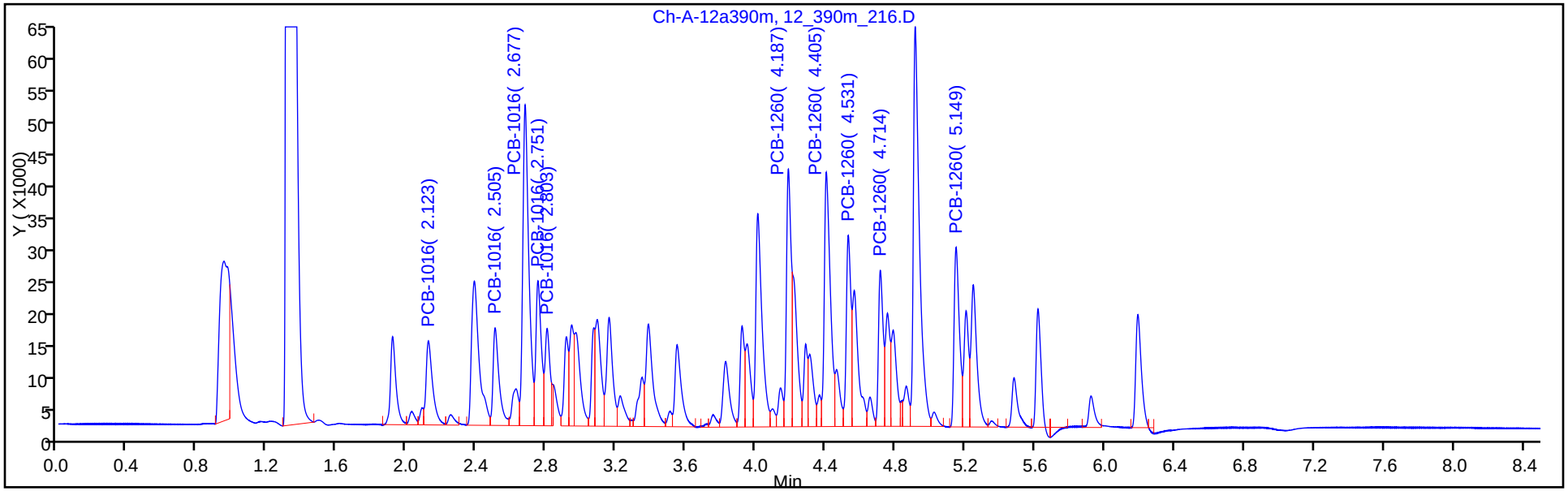
Report Date: 15-May-2017 13:50:54 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

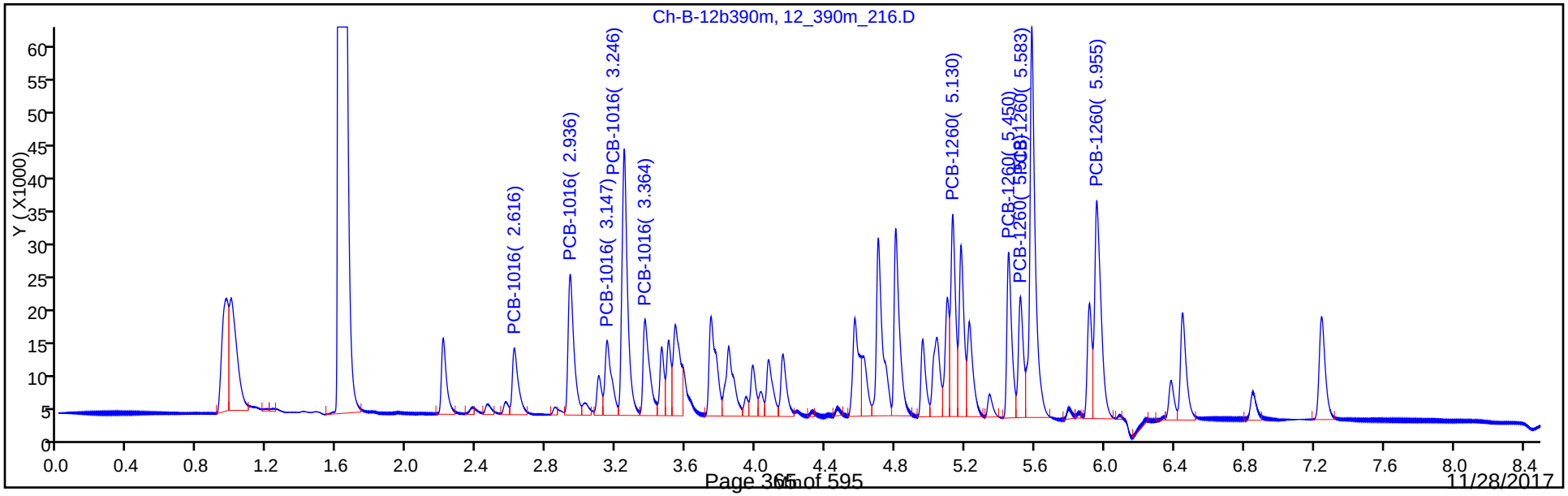
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_216.D

Injection Date:	11-May-2017 16:17:12	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	ICIS 5			Worklist Smp#:	19
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

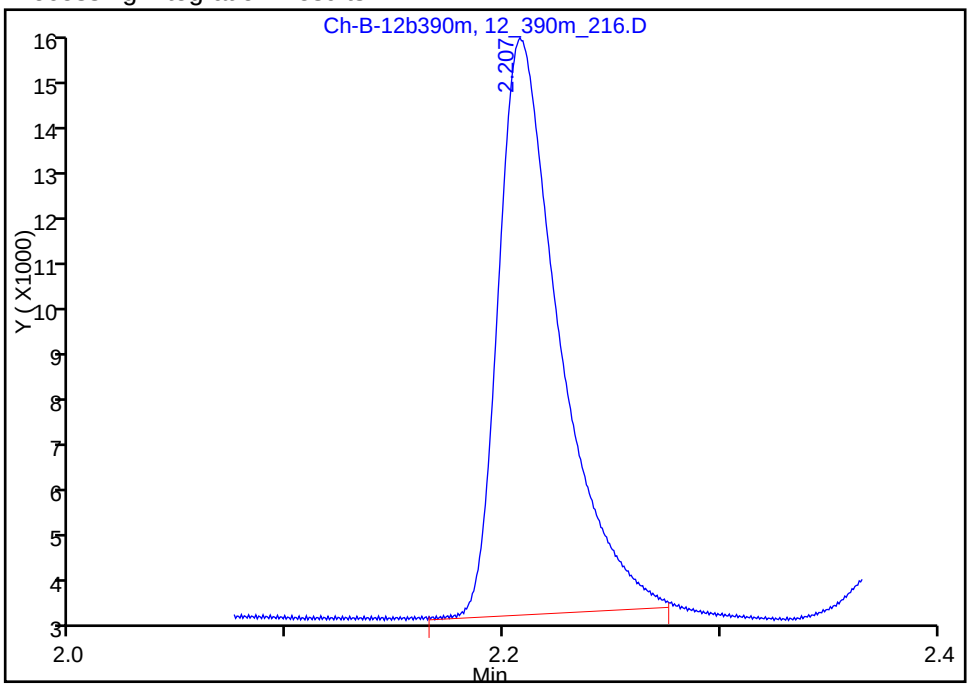
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_216.D
Injection Date: 11-May-2017 16:17:12 Instrument ID: HP5890-12
Lims ID: ICIS 5
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-B-7b136

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 2

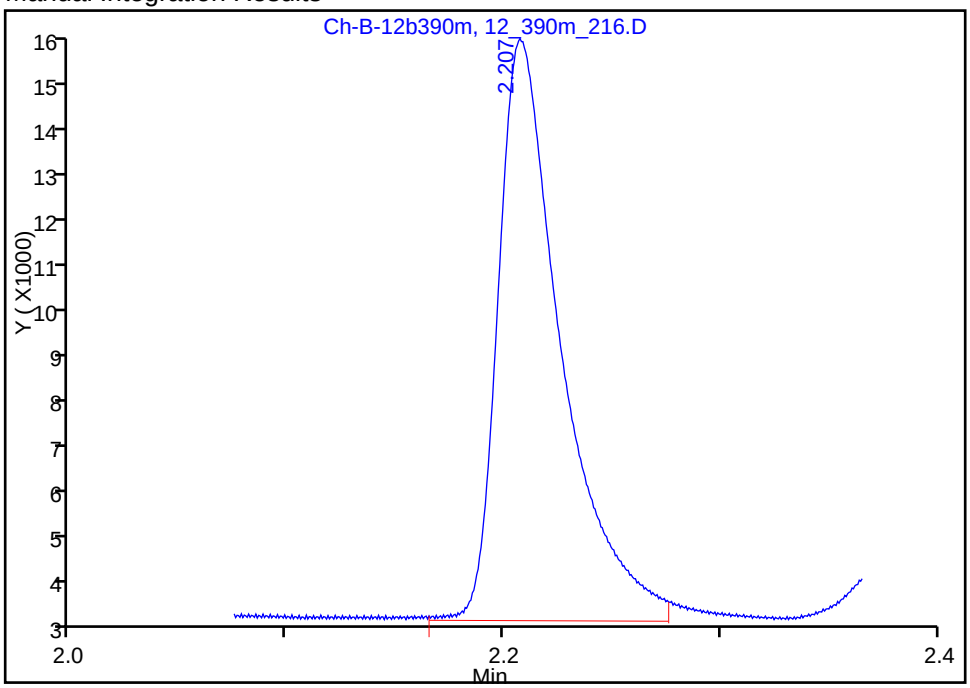
Processing Integration Results

RT: 2.21
Area: 22379
Amount: 0.011549
Amount Units: ng/uL



Manual Integration Results

RT: 2.21
Area: 23415
Amount: 0.011816
Amount Units: ng/uL



Reviewer: owenj, 12-May-2017 15:33:24
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 15-May-2017 13:50:55 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_216.D

Injection Date: 11-May-2017 16:17:12 Instrument ID: HP5890-12

Lims ID: ICIS 5

Client ID:

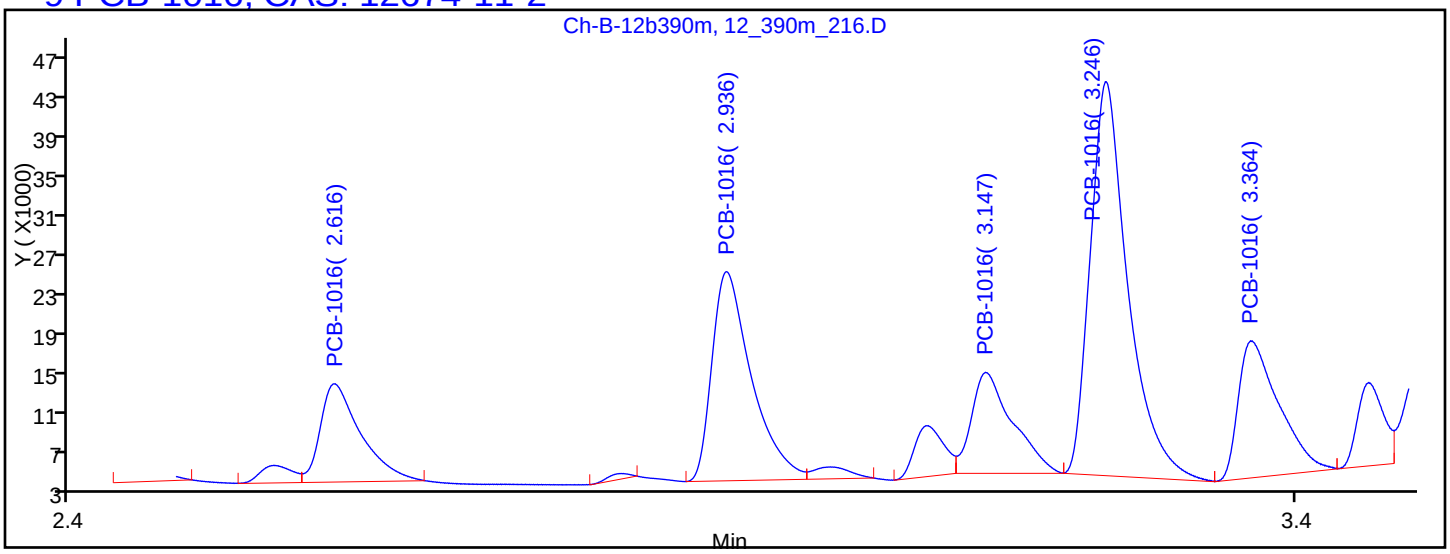
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 19

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

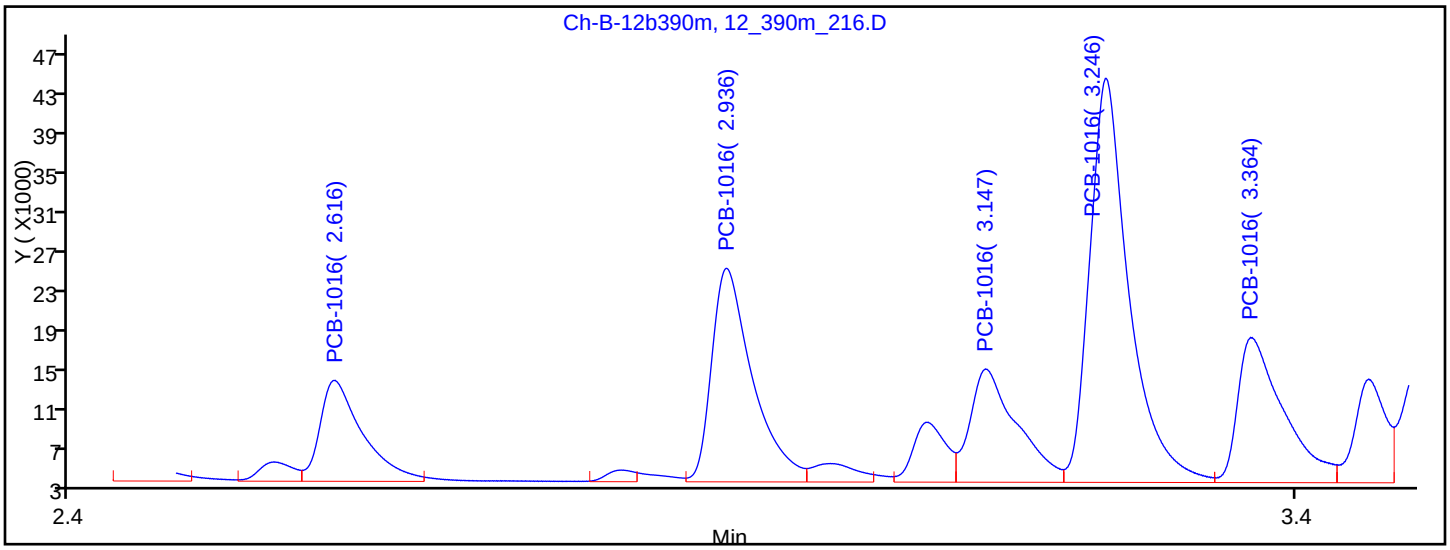
Column: Detector Ch-B-7b136

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.616	Response = 22585
2.936	Response = 46892
3.147	Response = 23618
3.246	Response = 84699
3.364	Response = 31421



Manual Integration Results

2.616	Response = 24469	M
2.936	Response = 49784	M
3.147	Response = 30139	M
3.246	Response = 90874	M
3.364	Response = 37865	M

Reviewer: owenj, 12-May-2017 15:33:24

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_217.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 11-May-2017 16:32:35 ALS Bottle#: 0 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:50:57 Calib Date: 12-May-2017 17:50:21
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_240.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 11-May-2017 17:22:30

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.319	1.319	0.000	1267222	0.5000	0.5000	
2	1.616	1.617	-0.001	1132123	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.916	1.917	-0.001	12358	0.005000	0.004977	M
2	2.207	2.207	0.000	8574	0.005000	0.004294	
						RPD = 14.75	
9 PCB-1016							M
1	2.123	2.123	0.000	15036	0.2000	0.2182	M
1	2.505	2.505	0.000	15855	0.2000	0.2160	M
1	2.678	2.677	0.001	52434	0.2000	0.2095	M
1	2.751	2.751	0.000	21437	0.2000	0.2122	M
1	2.803	2.803	0.000	12533	0.2000	0.2039	M
		Average of Peak Amounts =				0.2119	
2	2.615	2.616	-0.001	10411	0.2000	0.2132	M
2	2.936	2.936	0.000	21779	0.2000	0.2226	M
2	3.147	3.147	0.000	12711	0.2000	0.2176	M
2	3.245	3.246	-0.001	37971	0.2000	0.2056	M
2	3.364	3.364	0.000	15981	0.2000	0.2107	M
		Average of Peak Amounts =				0.2139	
						RPD = 0.94	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.187	4.187	0.000	35011	0.2000	0.2288	M
1	4.404	4.405	-0.001	42034	0.2000	0.2089	M
1	4.529	4.531	-0.002	24020	0.2000	0.2167	M
1	4.713	4.714	-0.001	18160	0.2000	0.1992	M
1	5.148	5.149	-0.001	24761	0.2000	0.1912	M
		Average of Peak Amounts =				0.2089	
2	5.129	5.130	-0.001	26704	0.2000	0.2222	M
2	5.449	5.450	-0.001	22758	0.2000	0.2246	M
2	5.516	5.518	-0.002	16127	0.2000	0.2125	M
2	5.583	5.583	0.000	55320	0.2000	0.2078	M
2	5.955	5.955	0.000	35418	0.2000	0.2046	M
		Average of Peak Amounts =				0.2143	
						RPD = 2.55	
$ 15 DCB Decachlorobiphenyl							M
1	6.189	6.192	-0.003	16167	0.005000	0.004860	M
2	7.243	7.245	-0.002	15899	0.005000	0.005158	
						RPD = 5.94	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is0.2_00005 Amount Added: 1.00 Units: mL

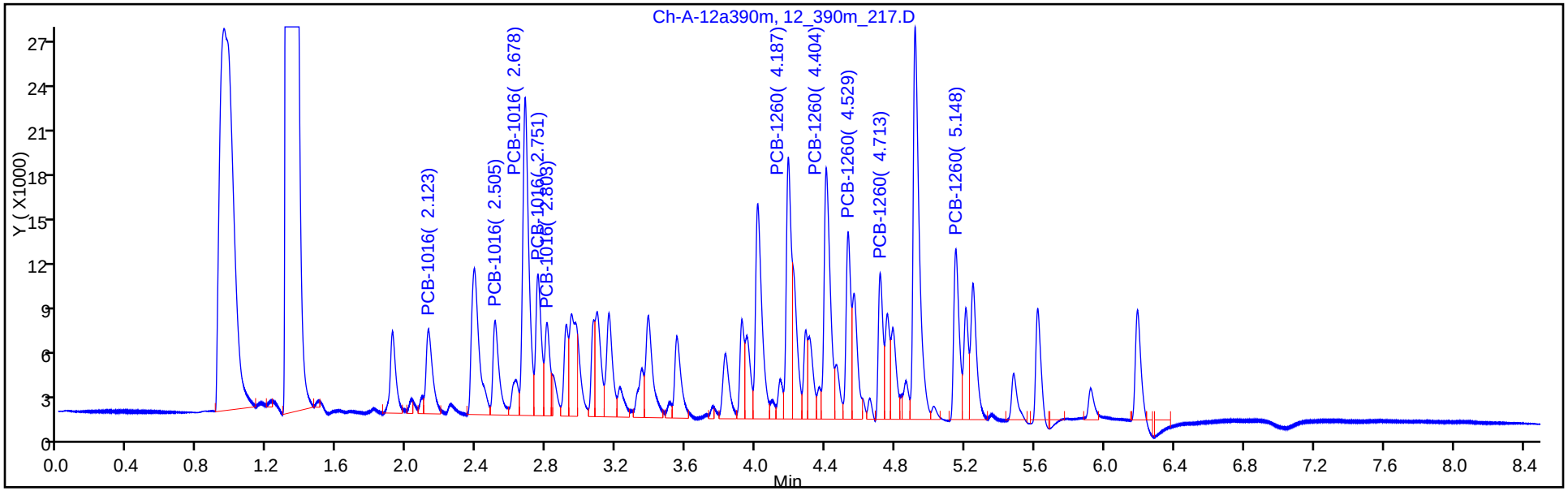
Report Date: 15-May-2017 13:50:58 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

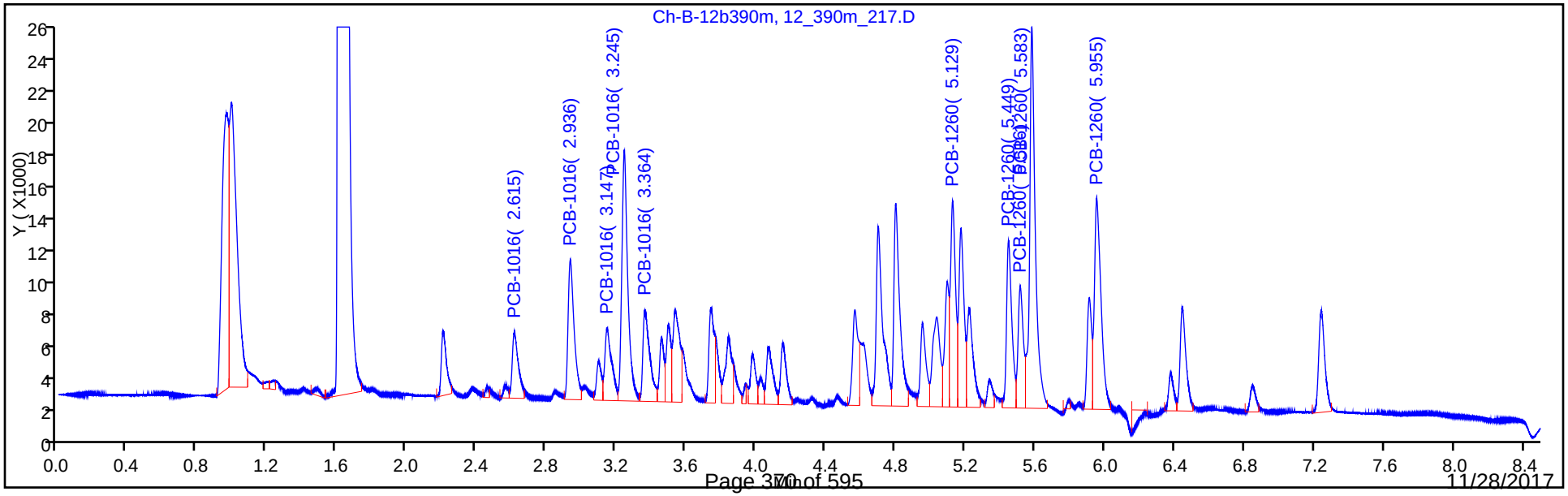
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_217.D

Injection Date:	11-May-2017 16:32:35	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 4			Worklist Smp#:	20
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Report Date: 15-May-2017 13:50:58 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_217.D

Injection Date: 11-May-2017 16:32:35 Instrument ID: HP5890-12

Lims ID: IC 4

Client ID:

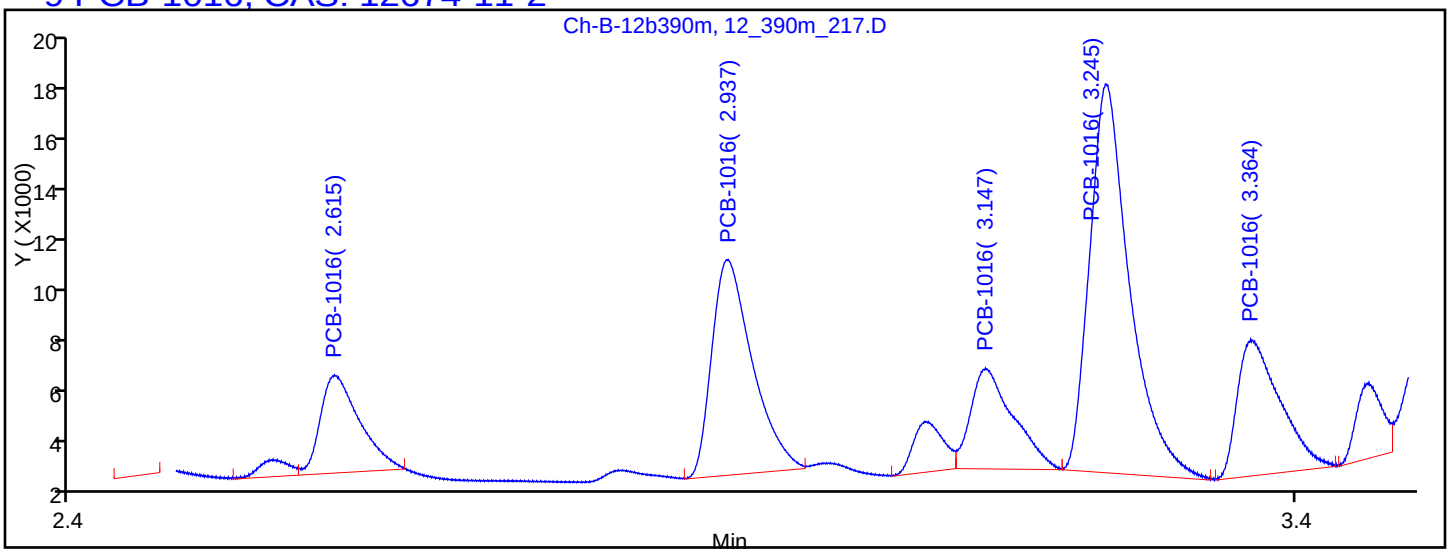
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 20

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

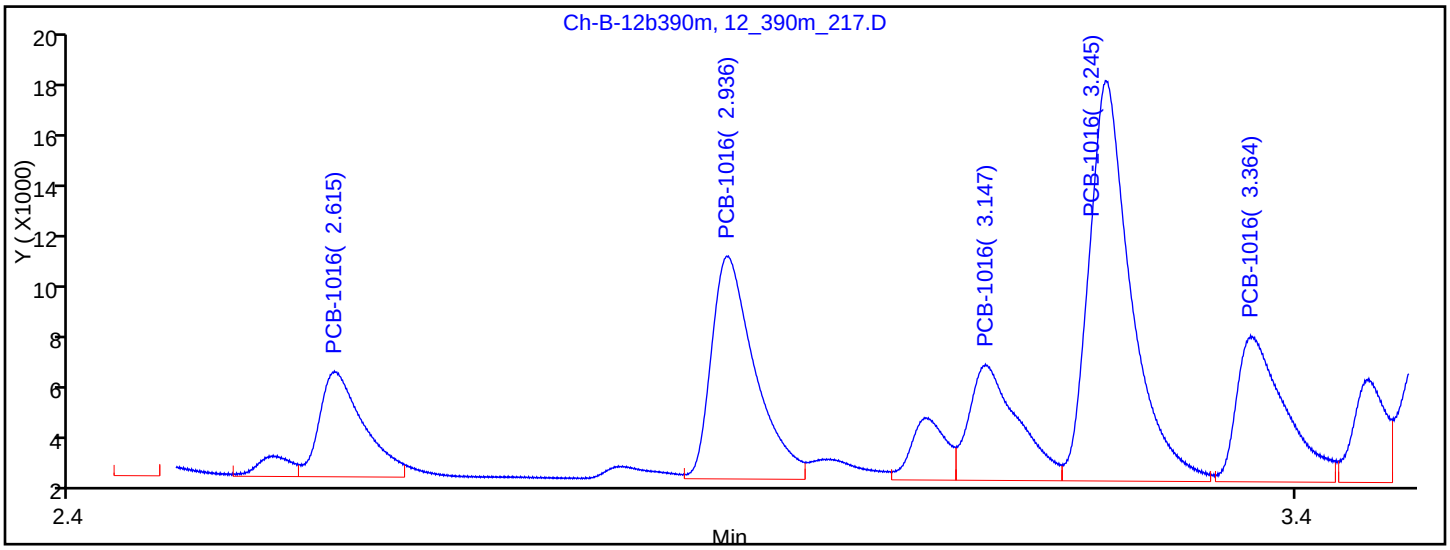
Column: Detector Ch-B-7b136

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.615	Response = 8641
2.937	Response = 19651
3.147	Response = 9588
3.245	Response = 35049
3.364	Response = 13059



Manual Integration Results

2.615	Response = 10411	M
2.936	Response = 21779	M
3.147	Response = 12711	M
3.245	Response = 37971	M
3.364	Response = 15981	M

Reviewer: owenj, 12-May-2017 15:34:37

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

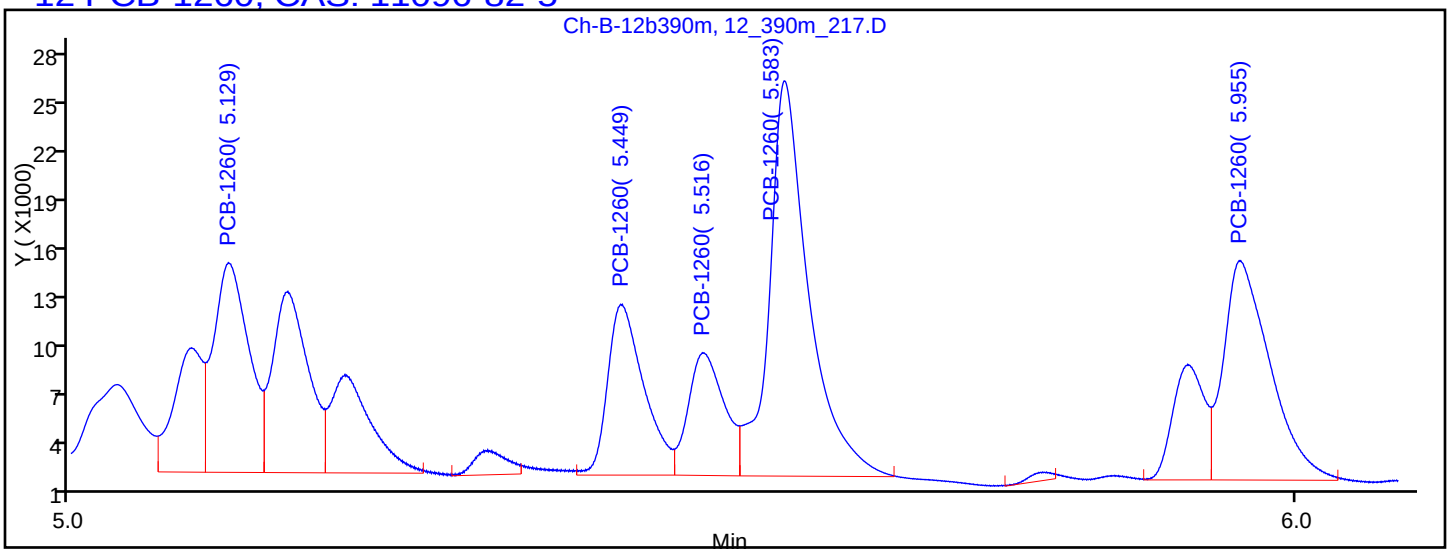
Report Date: 15-May-2017 13:50:58 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_217.D

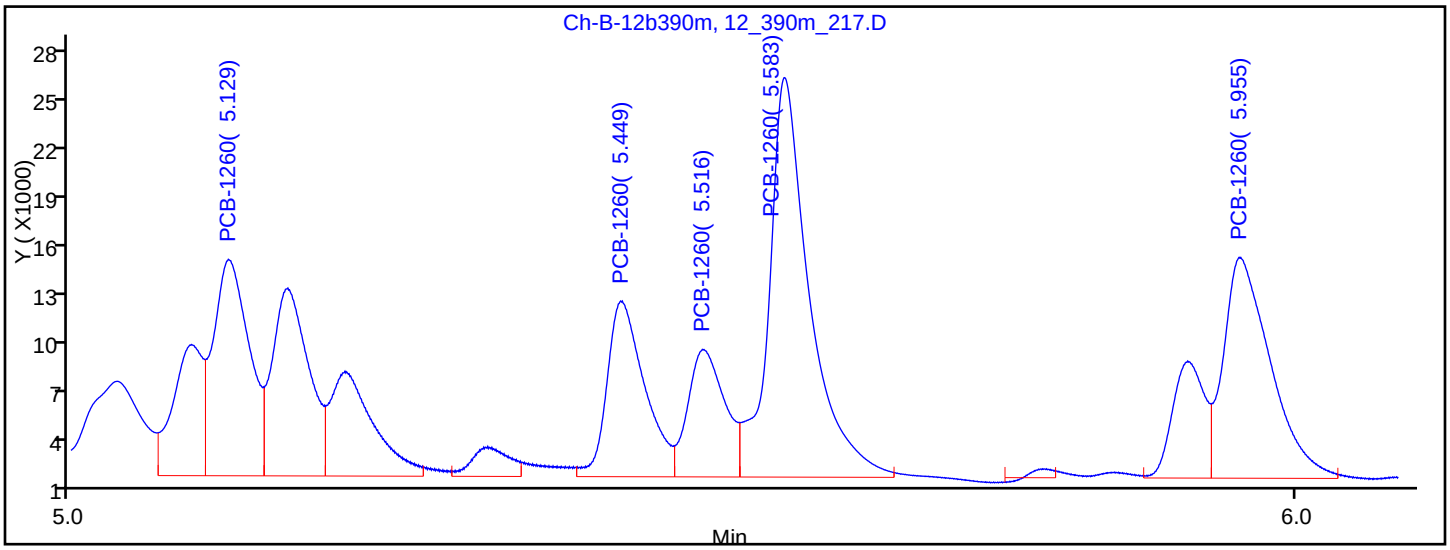
Injection Date:	11-May-2017 16:32:35	Instrument ID:	HP5890-12		
Lims ID:	IC 4				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

5.129	Response = 25545
5.449	Response = 21337
5.516	Response = 15219
5.583	Response = 53408
5.955	Response = 34872



Manual Integration Results

5.129	Response = 26704	M
5.449	Response = 22758	M
5.516	Response = 16127	M
5.583	Response = 55320	M
5.955	Response = 35418	M

Reviewer: owenj, 12-May-2017 15:34:40

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_218.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 11-May-2017 17:07:37 ALS Bottle#: 0 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:51:01 Calib Date: 12-May-2017 17:50:21
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_240.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 12-May-2017 15:35:45

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.321	1.319	0.002	1215530	0.5000	0.5000	
2	1.618	1.617	0.001	1069342	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.924	1.917	0.007	5027	0.002500	0.002214	M
2	2.210	2.207	0.003	4181	0.002500	0.002257	M
						RPD = 1.95	
9 PCB-1016							M
1	2.133	2.123	0.010	6478	0.1000	0.0980	
1	2.516	2.505	0.011	7014	0.1000	0.0996	M
1	2.690	2.677	0.013	24849	0.1000	0.1035	M
1	2.763	2.751	0.012	10105	0.1000	0.0975	M
1	2.815	2.803	0.012	5681	0.1000	0.0927	M
		Average of Peak Amounts =				0.0983	
2	2.621	2.616	0.005	4852	0.1000	0.0964	M
2	2.944	2.936	0.008	10245	0.1000	0.1058	M
2	3.154	3.147	0.007	4397	0.1000	0.0810	M
2	3.254	3.246	0.008	17306	0.1000	0.0973	M
2	3.371	3.364	0.007	6439	0.1000	0.0899	M
		Average of Peak Amounts =				0.0941	
						RPD = 4.35	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.202	4.187	0.015	17798	0.1000	0.1103	M
1	4.419	4.405	0.014	21079	0.1000	0.1047	M
1	4.545	4.531	0.014	11503	0.1000	0.1082	M
1	4.729	4.714	0.015	9001	0.1000	0.1045	M
1	5.163	5.149	0.014	12480	0.1000	0.0961	M
		Average of Peak Amounts =				0.1047	
2	5.139	5.130	0.009	12126	0.1000	0.1044	M
2	5.459	5.450	0.009	10136	0.1000	0.1010	M
2	5.527	5.518	0.009	7891	0.1000	0.1061	M
2	5.593	5.583	0.010	28326	0.1000	0.1107	M
2	5.965	5.955	0.010	16798	0.1000	0.1023	M
		Average of Peak Amounts =				0.1049	
						RPD = 0.17	
$ 15 DCB Decachlorobiphenyl							M
1	6.207	6.192	0.015	8233	0.002500	0.002580	M
2	7.258	7.245	0.013	7544	0.002500	0.002544	
						RPD = 1.43	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is0.1_00006 Amount Added: 1.00 Units: mL

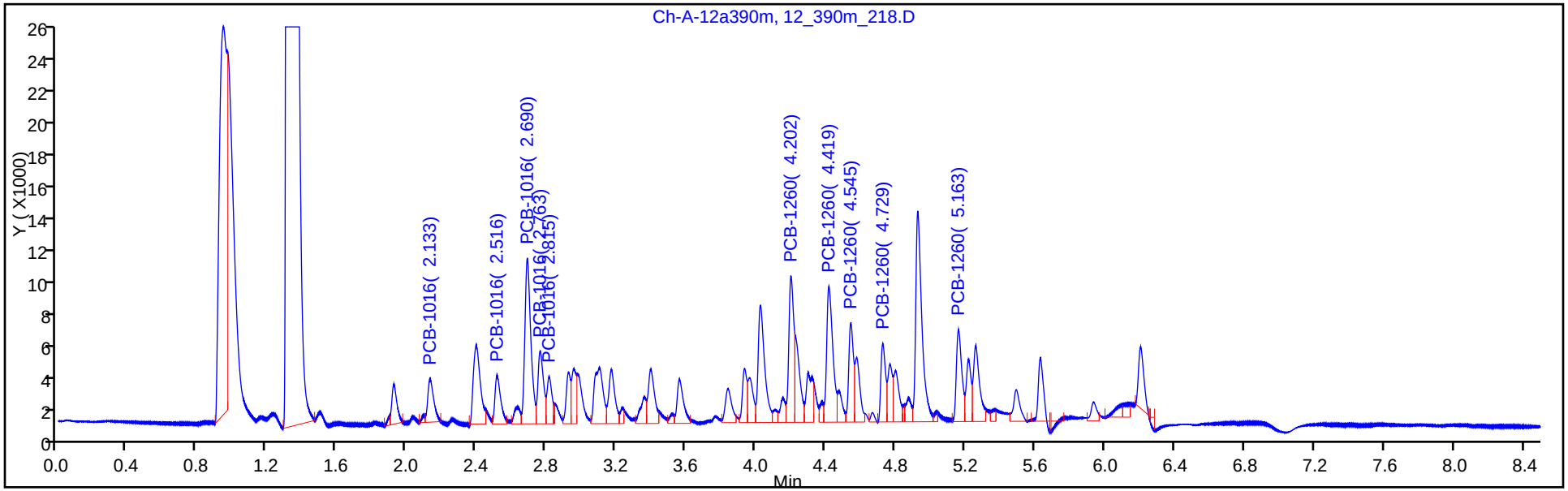
Report Date: 15-May-2017 13:51:02 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

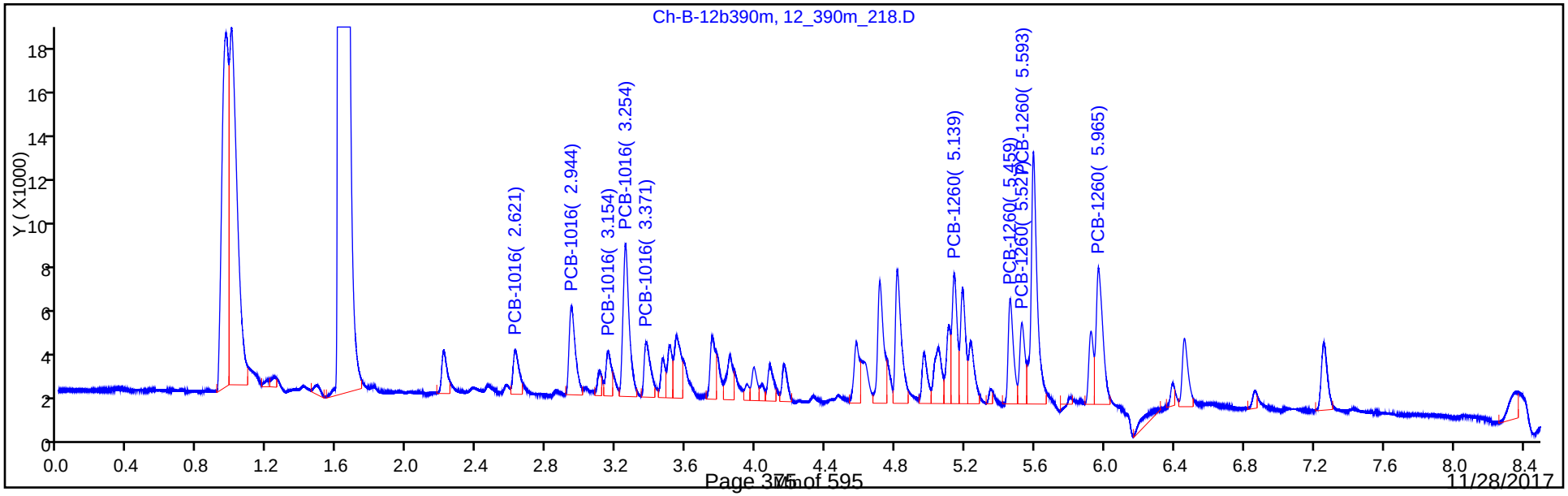
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_218.D

Injection Date:	11-May-2017 17:07:37	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	21
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

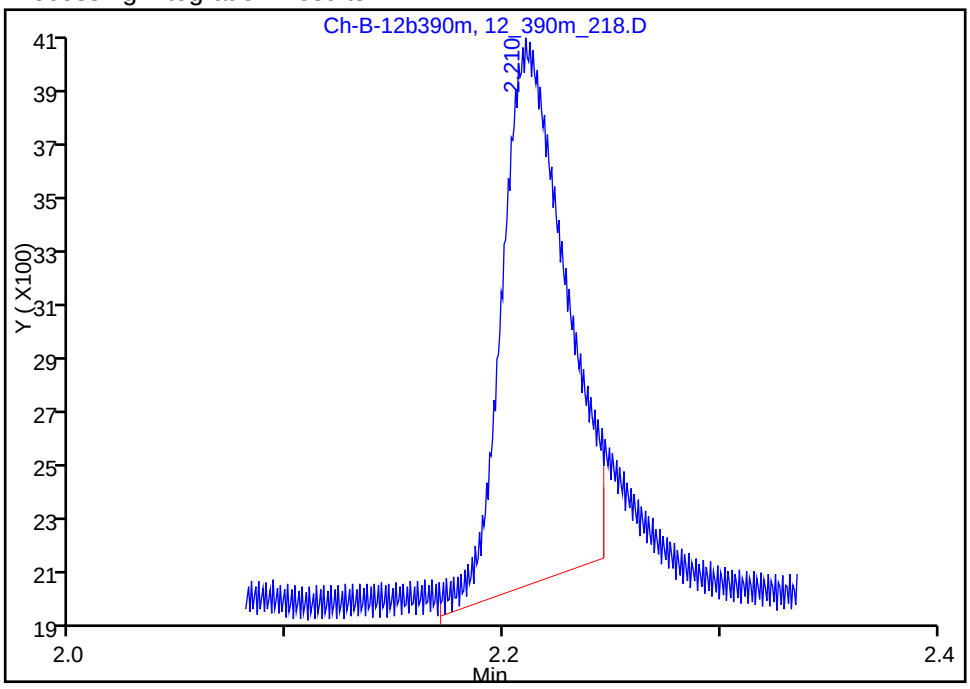
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Injection Date: 11-May-2017 17:07:37 Instrument ID: HP5890-12
Lims ID: IC 3
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-B-7b136

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 2

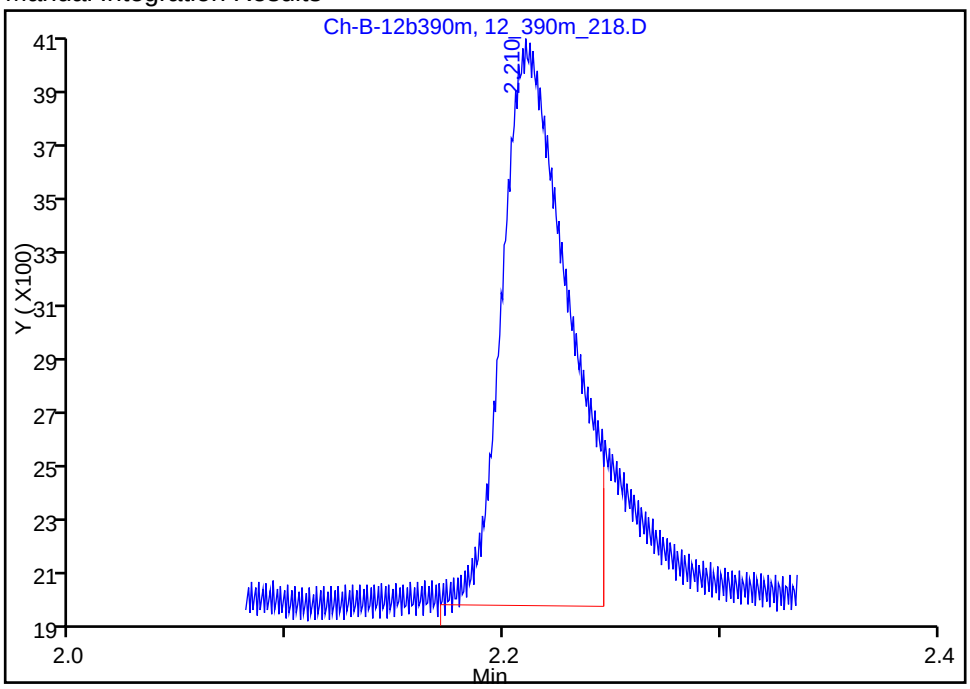
Processing Integration Results

RT: 2.21
Area: 3898
Amount: 0.002462
Amount Units: ng/uL



Manual Integration Results

RT: 2.21
Area: 4181
Amount: 0.002257
Amount Units: ng/uL



Reviewer: owenj, 12-May-2017 15:35:31
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 15-May-2017 13:51:02 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_218.D

Injection Date: 11-May-2017 17:07:37 Instrument ID: HP5890-12

Lims ID: IC 3

Client ID:

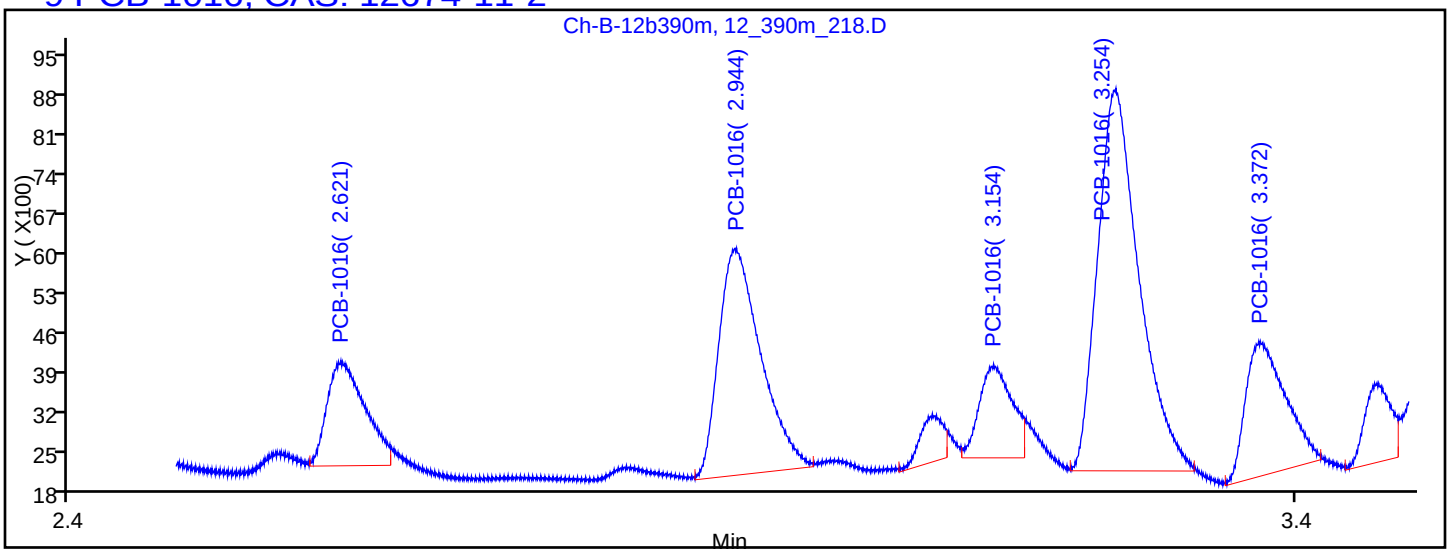
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 21

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

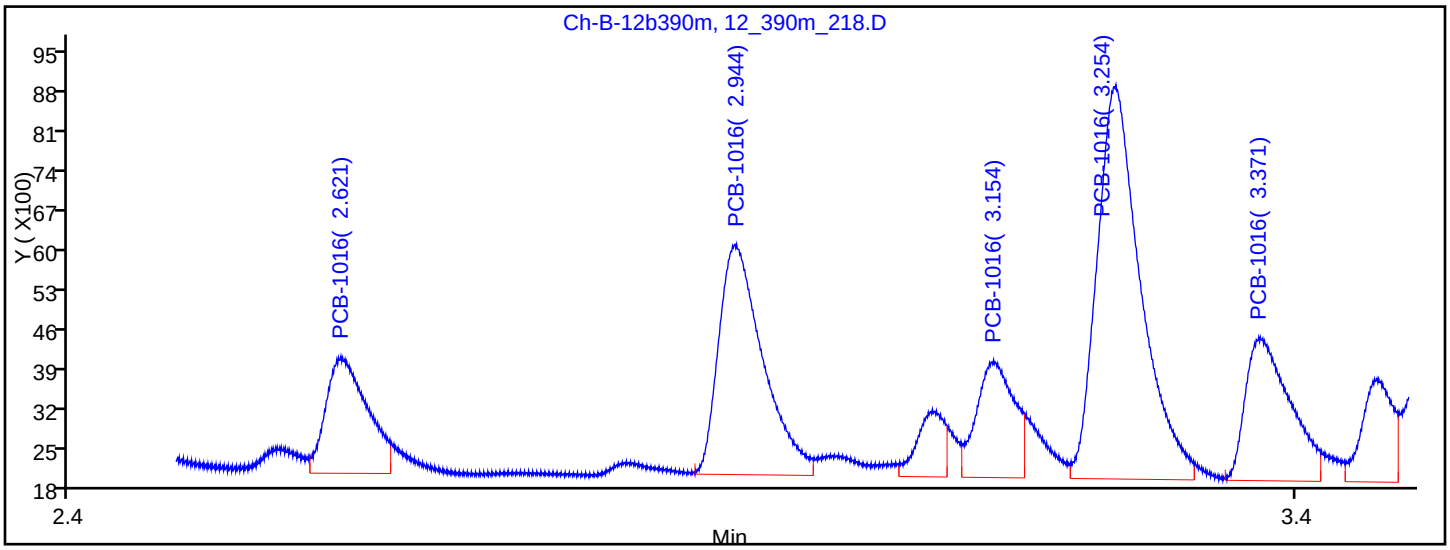
Column: Detector Ch-B-7b136

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.621	Response = 3989
2.944	Response = 9601
3.154	Response = 3065
3.254	Response = 15904
3.372	Response = 5377



Manual Integration Results

2.621	Response = 4852	M
2.944	Response = 10245	M
3.154	Response = 4397	M
3.254	Response = 17306	M
3.371	Response = 6439	M

Reviewer: owenj, 12-May-2017 15:35:25

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

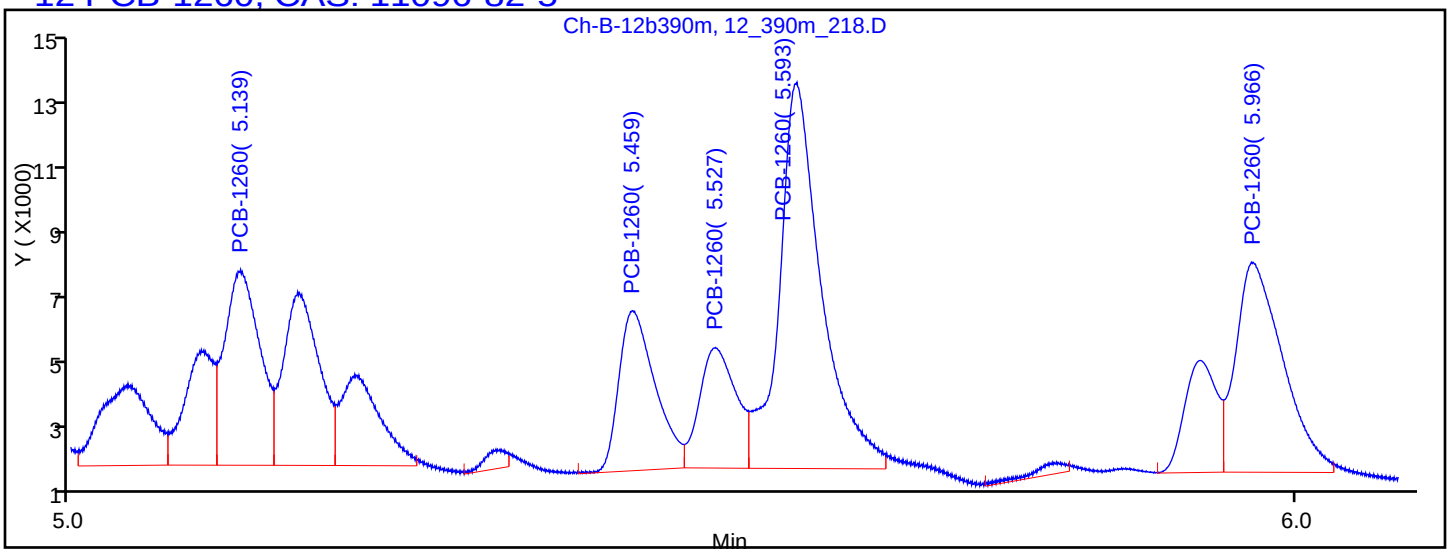
Report Date: 15-May-2017 13:51:02 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_218.D

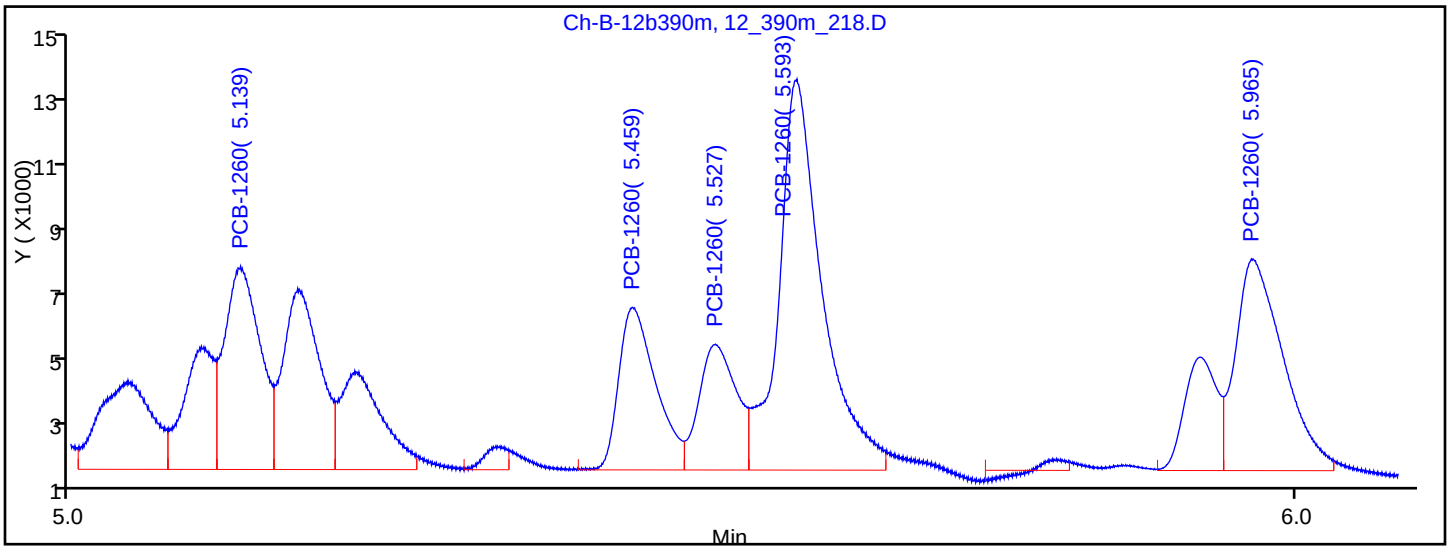
Injection Date:	11-May-2017 17:07:37	Instrument ID:	HP5890-12		
Lims ID:	IC 3				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

5.139	Response = 11506
5.459	Response = 9769
5.527	Response = 7406
5.593	Response = 27375
5.966	Response = 16542



Manual Integration Results

5.139	Response = 12126	M
5.459	Response = 10136	M
5.527	Response = 7891	M
5.593	Response = 28326	M
5.965	Response = 16798	M

Reviewer: owenj, 12-May-2017 15:35:27

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_219.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 11-May-2017 17:22:58 ALS Bottle#: 0 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:51:05 Calib Date: 12-May-2017 17:50:21
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_240.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 12-May-2017 15:36:55

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.319	1.319	0.000	1244433	0.5000	0.5000	
2	1.617	1.617	0.000	1106372	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.917	1.917	0.000	2717	0.001250	0.001253	M
2	2.207	2.207	0.000	2787	0.001250	0.001484	M
						RPD = 16.89	
9 PCB-1016							M
1	2.127	2.123	0.004	3817	0.0500	0.0564	
1	2.508	2.505	0.003	3863	0.0500	0.0536	M
1	2.681	2.677	0.004	13140	0.0500	0.0535	M
1	2.755	2.751	0.004	5959	0.0500	0.0505	M
1	2.805	2.803	0.002	3582	0.0500	0.0544	M
		Average of Peak Amounts =				0.0537	
2	2.619	2.616	0.003	2939	0.0500	0.0492	M
2	2.941	2.936	0.005	5317	0.0500	0.0480	M
2	3.151	3.147	0.004	2551	0.0500	0.0463	M
2	3.251	3.246	0.005	9406	0.0500	0.0494	M
2	3.367	3.364	0.003	3531	0.0500	0.0476	M
		Average of Peak Amounts =				0.0481	
						RPD = 10.93	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.193	4.187	0.006	9740	0.0500	0.0481	M
1	4.409	4.405	0.004	10306	0.0500	0.0450	M
1	4.535	4.531	0.004	5394	0.0500	0.0495	M
1	4.720	4.714	0.006	4723	0.0500	0.0551	
1	5.153	5.149	0.004	6147	0.0500	0.0414	
		Average of Peak Amounts =				0.0478	
2	5.135	5.130	0.005	6524	0.0500	0.0520	M
2	5.454	5.450	0.004	5220	0.0500	0.0457	M
2	5.521	5.518	0.003	3975	0.0500	0.0475	M
2	5.587	5.583	0.004	13176	0.0500	0.0474	M
2	5.959	5.955	0.004	8176	0.0500	0.0477	
		Average of Peak Amounts =				0.0481	
						RPD = 0.45	
$ 15 DCB Decachlorobiphenyl							M
1	6.195	6.192	0.003	3975	0.001250	0.001217	M
2	7.249	7.245	0.004	3763	0.001250	0.001177	
						RPD = 3.33	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is.05_00005 Amount Added: 1.00 Units: mL

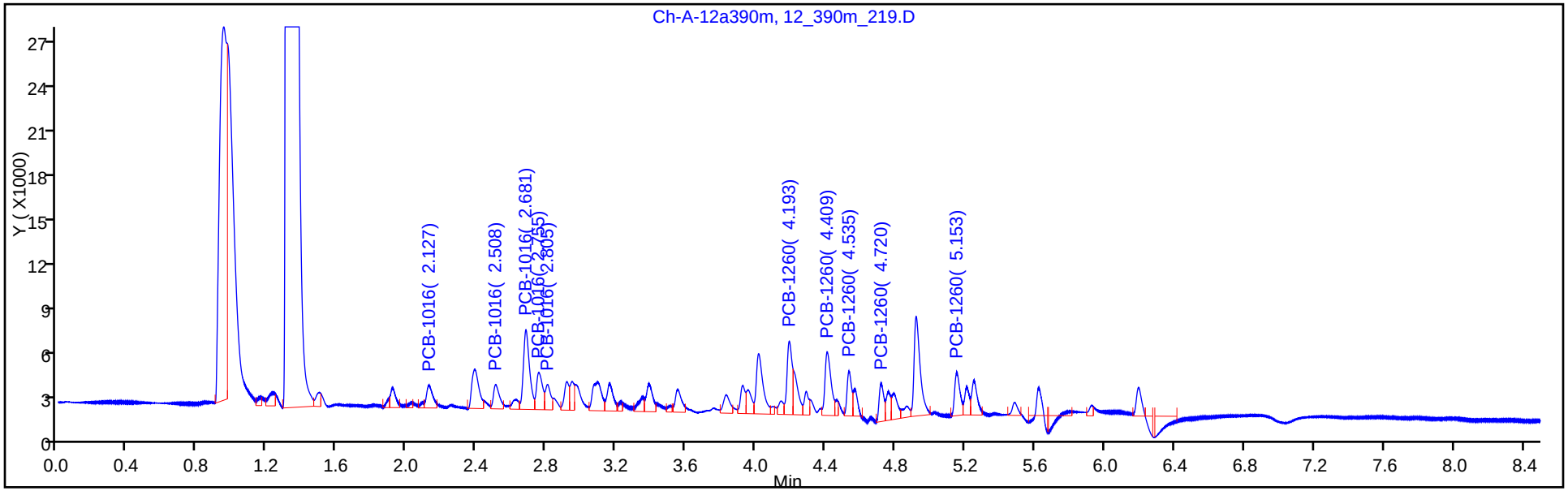
Report Date: 15-May-2017 13:51:06 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

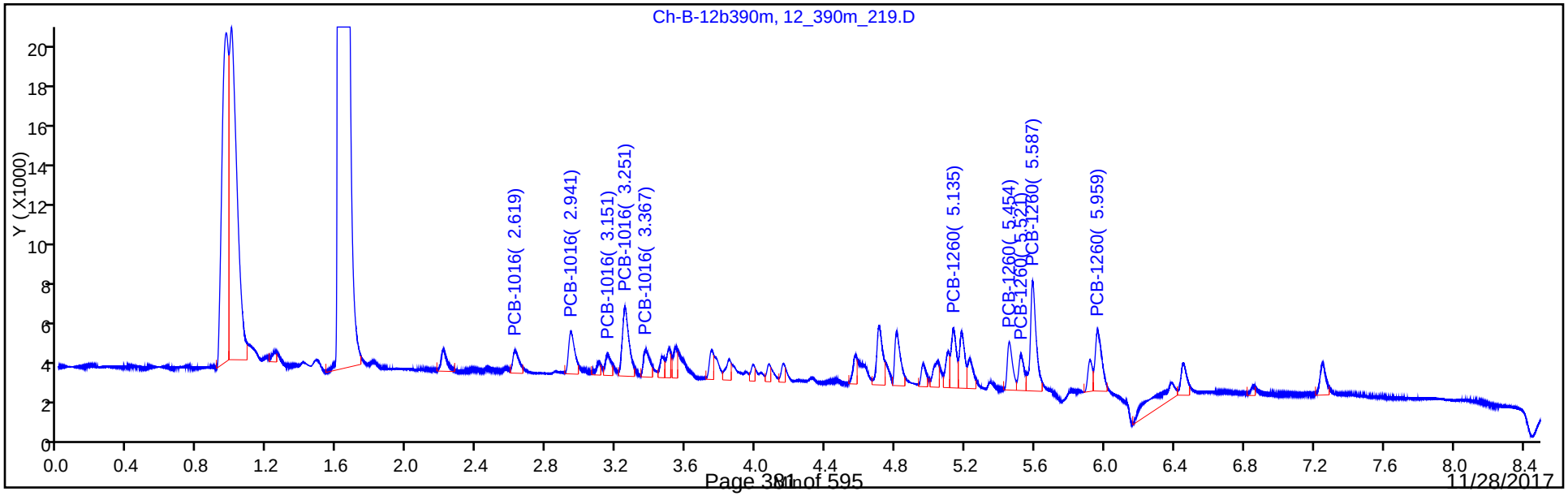
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_219.D

Injection Date:	11-May-2017 17:22:58	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	22
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

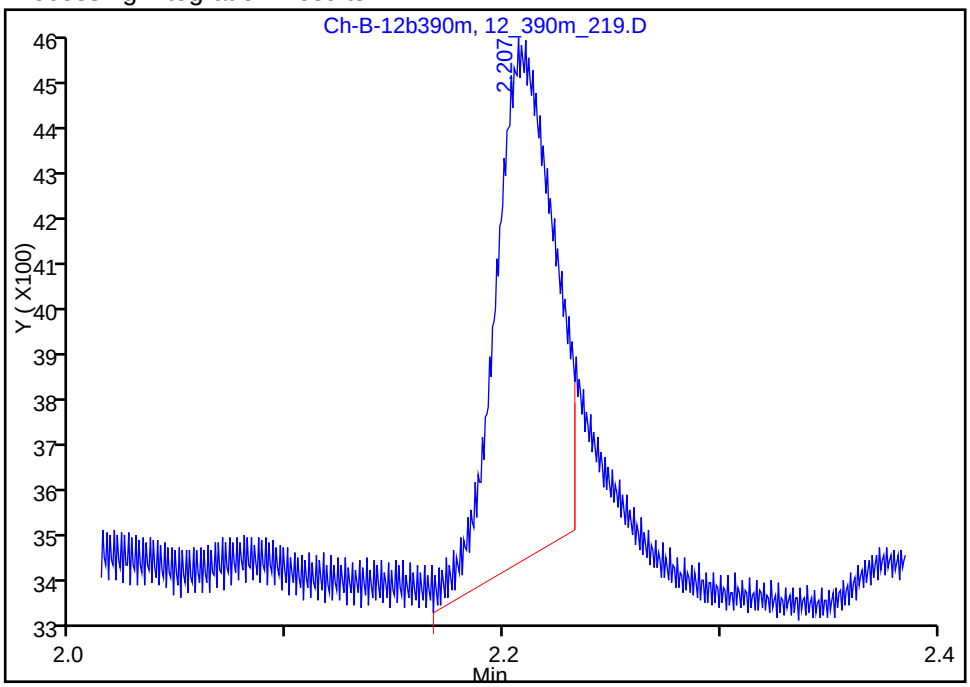
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_219.D
Injection Date: 11-May-2017 17:22:58 Instrument ID: HP5890-12
Lims ID: IC 2
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-B-7b136

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 2

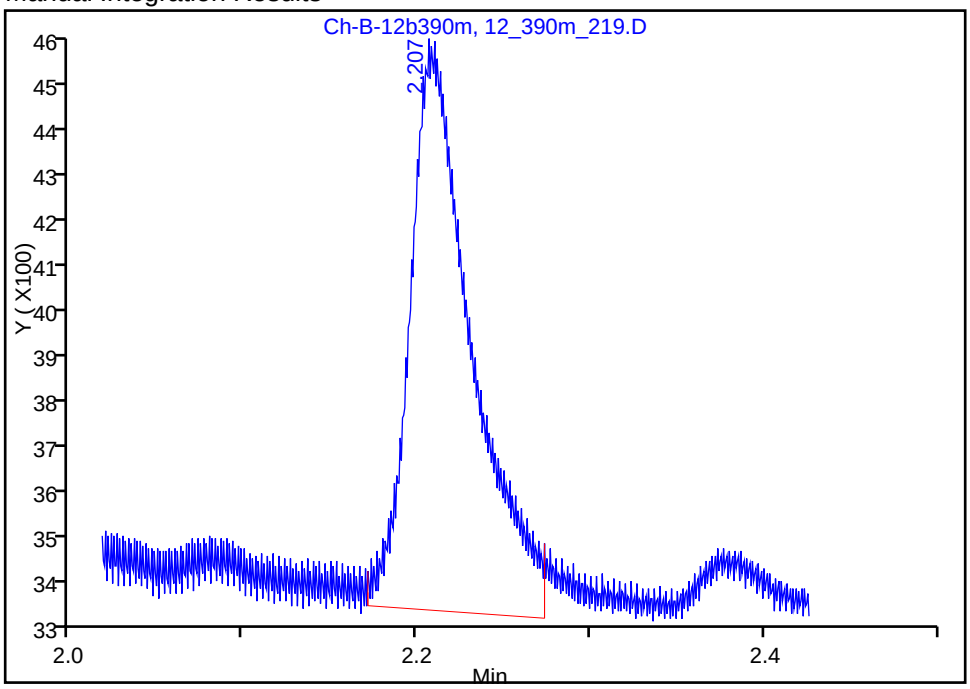
Processing Integration Results

RT: 2.21
Area: 1902
Amount: 0.001370
Amount Units: ng/uL



Manual Integration Results

RT: 2.21
Area: 2787
Amount: 0.001484
Amount Units: ng/uL



Reviewer: owenj, 12-May-2017 15:36:46
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

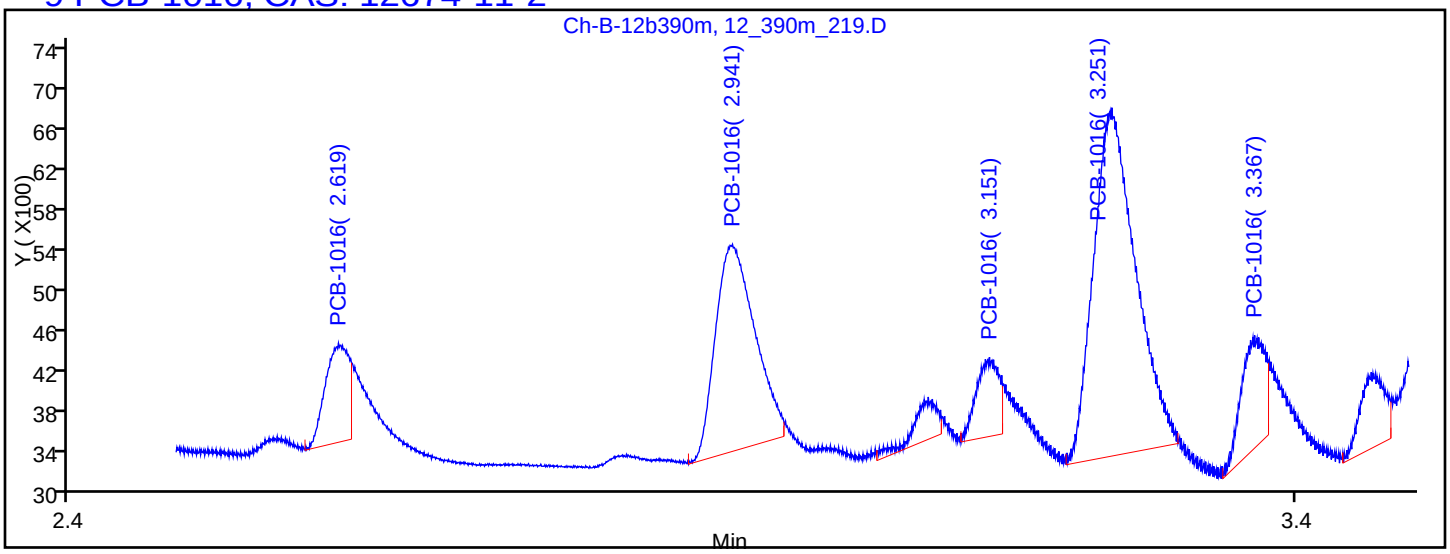
Report Date: 15-May-2017 13:51:06 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_219.D

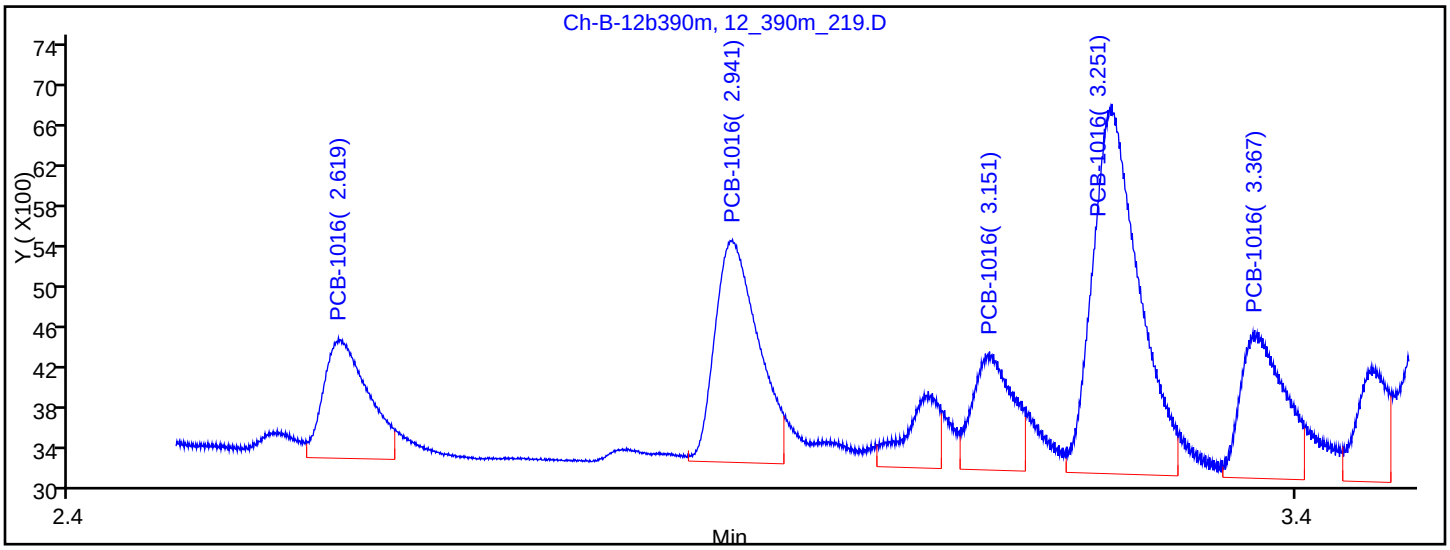
Injection Date:	11-May-2017 17:22:58	Instrument ID:	HP5890-12		
Lims ID:	IC 2				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.619	Response = 1274
2.941	Response = 4484
3.151	Response = 970
3.251	Response = 8011
3.367	Response = 1461



Manual Integration Results

2.619	Response = 2939	M
2.941	Response = 5317	M
3.151	Response = 2551	M
3.251	Response = 9406	M
3.367	Response = 3531	M

Reviewer: owenj, 12-May-2017 15:36:23

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

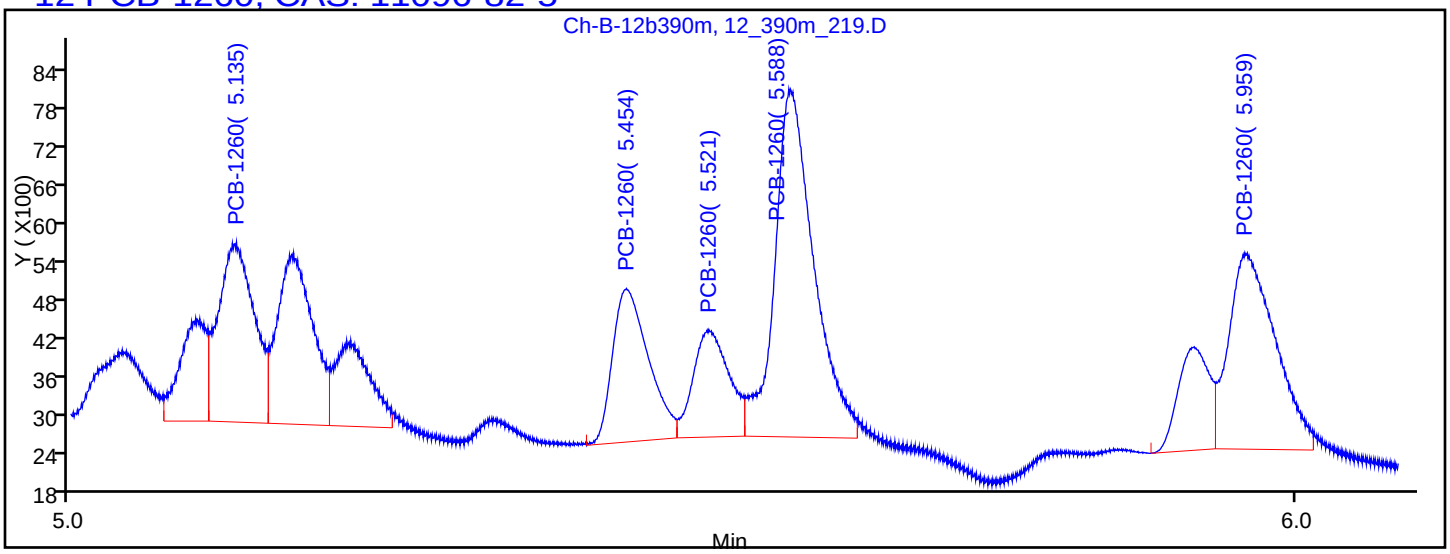
Report Date: 15-May-2017 13:51:06 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_219.D

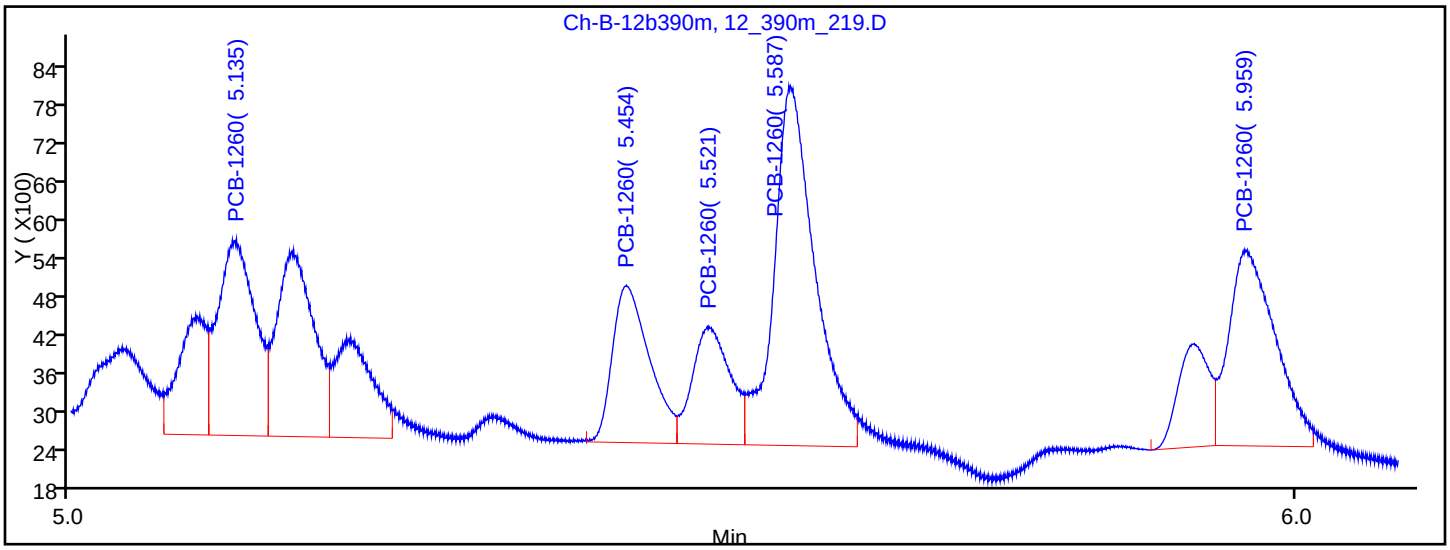
Injection Date:	11-May-2017 17:22:58	Instrument ID:	HP5890-12		
Lims ID:	IC 2				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

5.135	Response = 5760
5.454	Response = 4916
5.521	Response = 3433
5.588	Response = 12143
5.959	Response = 8176



Manual Integration Results

5.135	Response = 6524	M
5.454	Response = 5220	M
5.521	Response = 3975	M
5.587	Response = 13176	M
5.959	Response = 8176	

Reviewer: owenj, 12-May-2017 15:36:27

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_220.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 11-May-2017 18:19:55 ALS Bottle#: 0 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:51:08 Calib Date: 12-May-2017 17:50:21
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_240.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 11-May-2017 19:09:57

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.321	1.321	0.000	1258044	0.5000	0.5000	
2	1.618	1.618	0.000	1118954	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.924	1.924	0.000	962	0.000500	0.000555	M
2	2.210	2.210	0.000	926	0.000500	0.000544	M
						RPD = 2.01	
9 PCB-1016							M
1	2.133	2.133	0.000	1232	0.0200	0.0180	M
1	2.515	2.515	0.000	1234	0.0200	0.0169	M
1	2.691	2.691	0.000	4764	0.0200	0.0192	M
1	2.767	2.767	0.000	2976	0.0200	0.0183	M
1	2.817	2.817	0.000	1510	0.0200	0.0186	M
		Average of Peak Amounts =				0.0182	
2	2.621	2.621	0.000	1614	0.0200	0.0188	M
2	2.943	2.943	0.000	2462	0.0200	0.0165	M
2	3.155	3.155	0.000	1211	0.0200	0.0228	M
2	3.254	3.254	0.000	4242	0.0200	0.0200	M
2	3.371	3.371	0.000	1657	0.0200	0.0221	M
		Average of Peak Amounts =				0.0200	
						RPD = 9.65	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.204	4.204	0.000	5364	0.0200	0.0156	M
1	4.420	4.420	0.000	5599	0.0200	0.0198	M
1	4.547	4.547	0.000	1941	0.0200	0.0176	M
1	4.730	4.730	0.000	1257	0.0200	0.0169	M
1	5.163	5.163	0.000	4207	0.0200	0.0251	M
		Average of Peak Amounts =				0.0190	
2	5.139	5.139	0.000	2420	0.0200	0.0161	M
2	5.459	5.459	0.000	2743	0.0200	0.0193	M
2	5.528	5.528	0.000	1920	0.0200	0.0184	M
2	5.595	5.595	0.000	5759	0.0200	0.0181	M
2	5.967	5.967	0.000	3556	0.0200	0.0200	M
		Average of Peak Amounts =				0.0184	
						RPD = 3.25	
$ 15 DCB Decachlorobiphenyl							M
1	6.208	6.208	0.000	1677	0.000500	0.000508	M
2	7.261	7.261	0.000	1769	0.000500	0.000496	M
						RPD = 2.33	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is.02_00005 Amount Added: 1.00 Units: mL

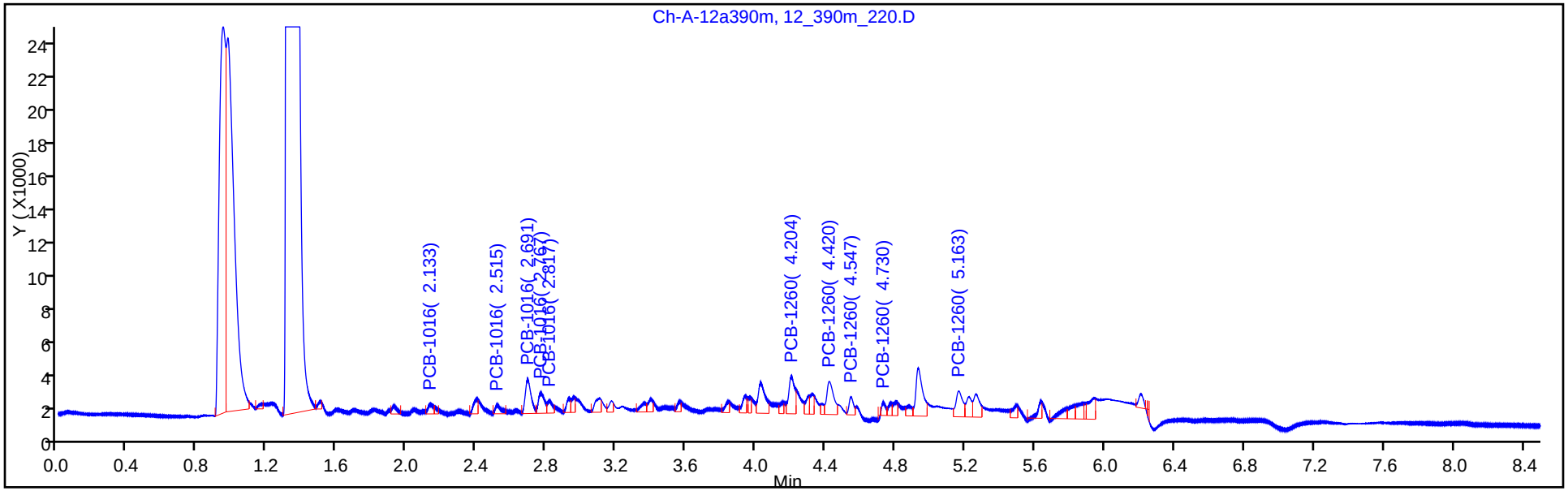
Report Date: 15-May-2017 13:51:09 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

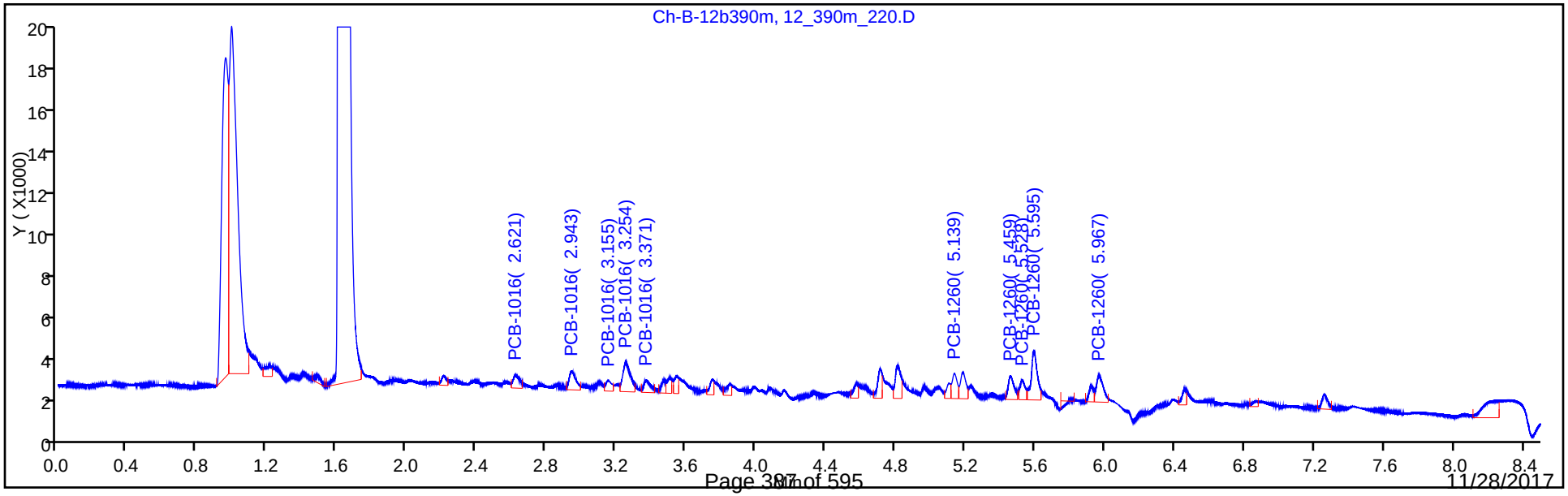
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_220.D

Injection Date:	11-May-2017 18:19:55	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 1			Worklist Smp#:	23
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

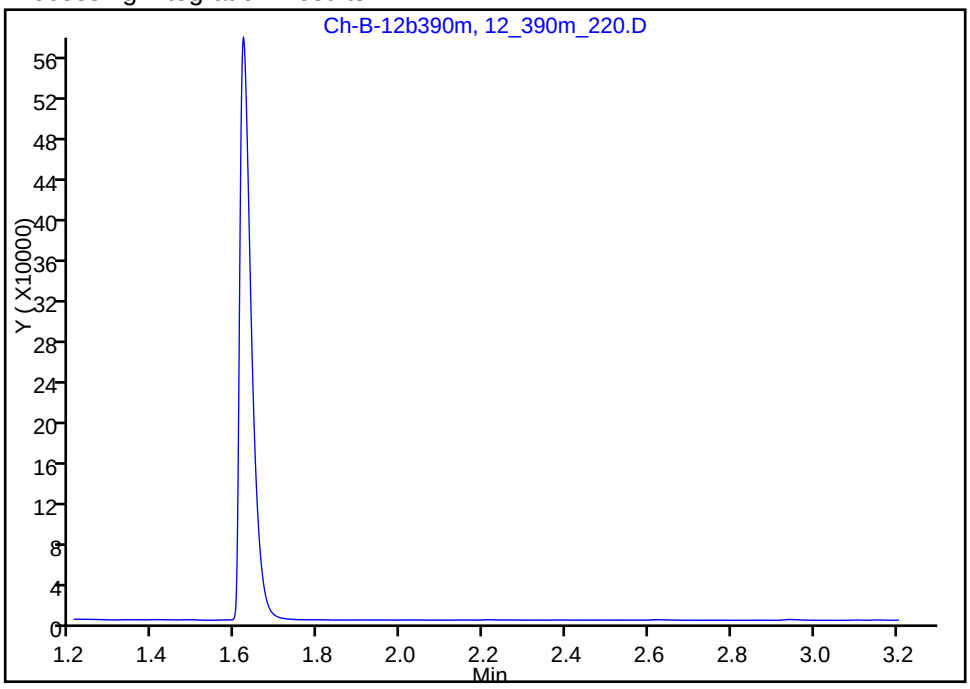
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Injection Date: 11-May-2017 18:19:55 Instrument ID: HP5890-12
Lims ID: IC 1
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-B-7b136

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 2

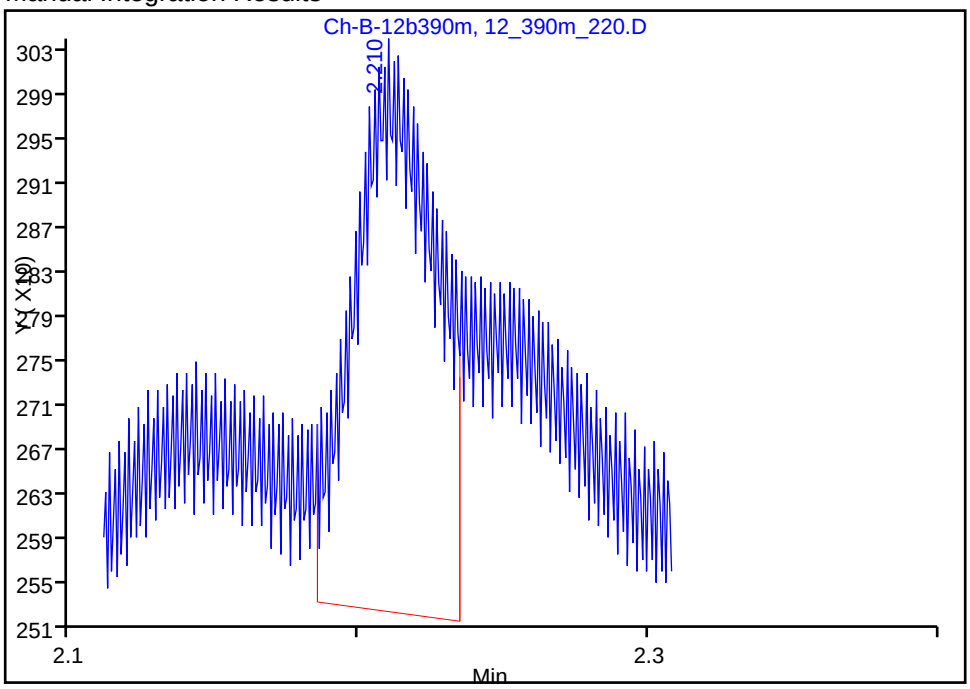
Processing Integration Results

RT: 2.21
Area: 0
Amount: 0.000460
Amount Units: ng/uL



Manual Integration Results

RT: 2.21
Area: 926
Amount: 0.000544
Amount Units: ng/uL



Reviewer: owenj, 12-May-2017 15:51:55
Audit Action: Assigned New Baseline Audit Reason: Split Peak

Report Date: 15-May-2017 13:51:09 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_220.D

Injection Date: 11-May-2017 18:19:55 Instrument ID: HP5890-12

Lims ID: IC 1

Client ID:

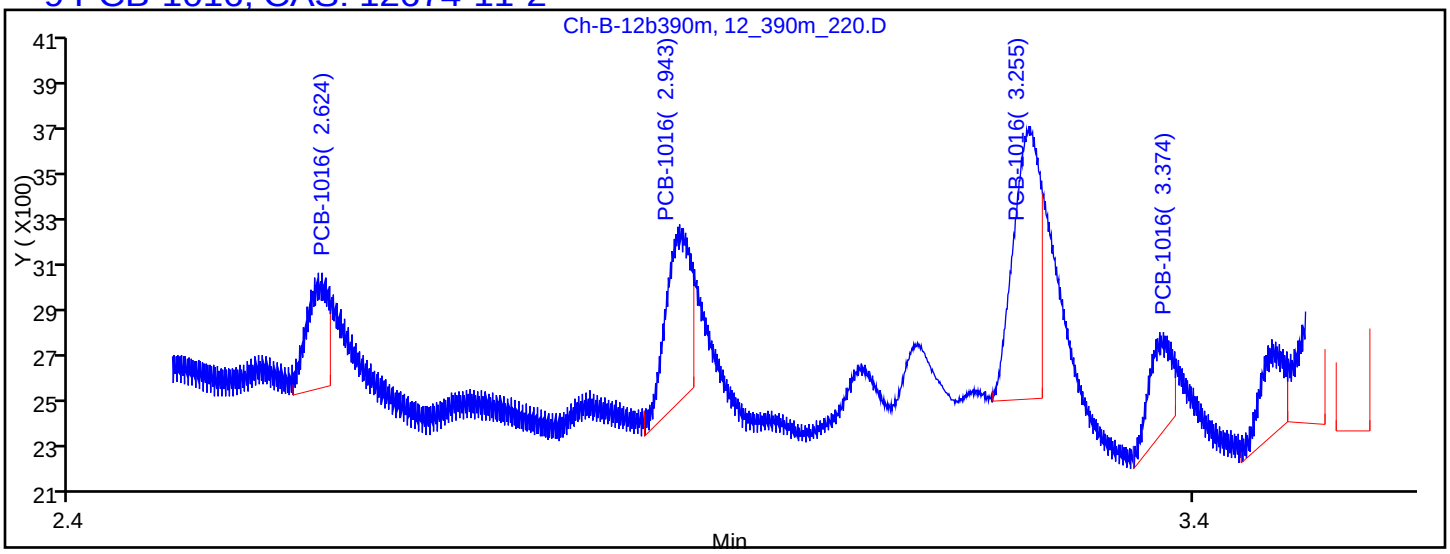
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 23

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

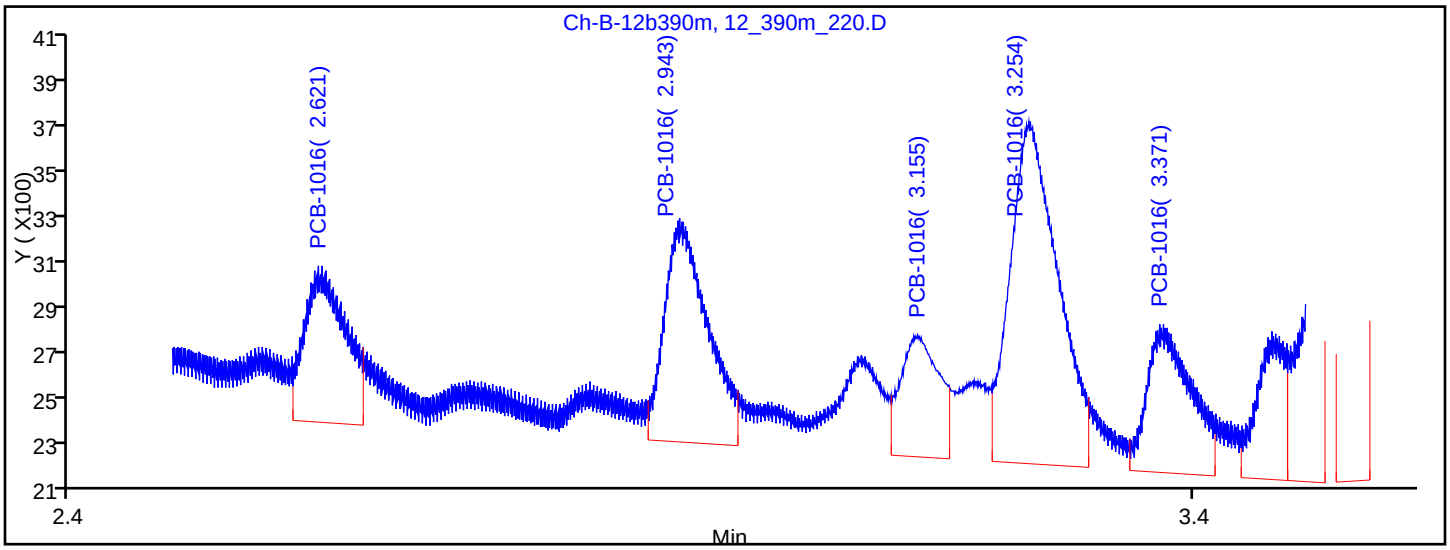
Column: Detector Ch-B-7b136

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.624	Response = 588
2.943	Response = 1090
3.155	Response = 0
3.255	Response = 1794
3.374	Response = 564



Manual Integration Results

2.621	Response = 1614	M
2.943	Response = 2462	M
3.155	Response = 1211	M
3.254	Response = 4242	M
3.371	Response = 1657	M

Reviewer: owenj, 12-May-2017 15:39:32

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

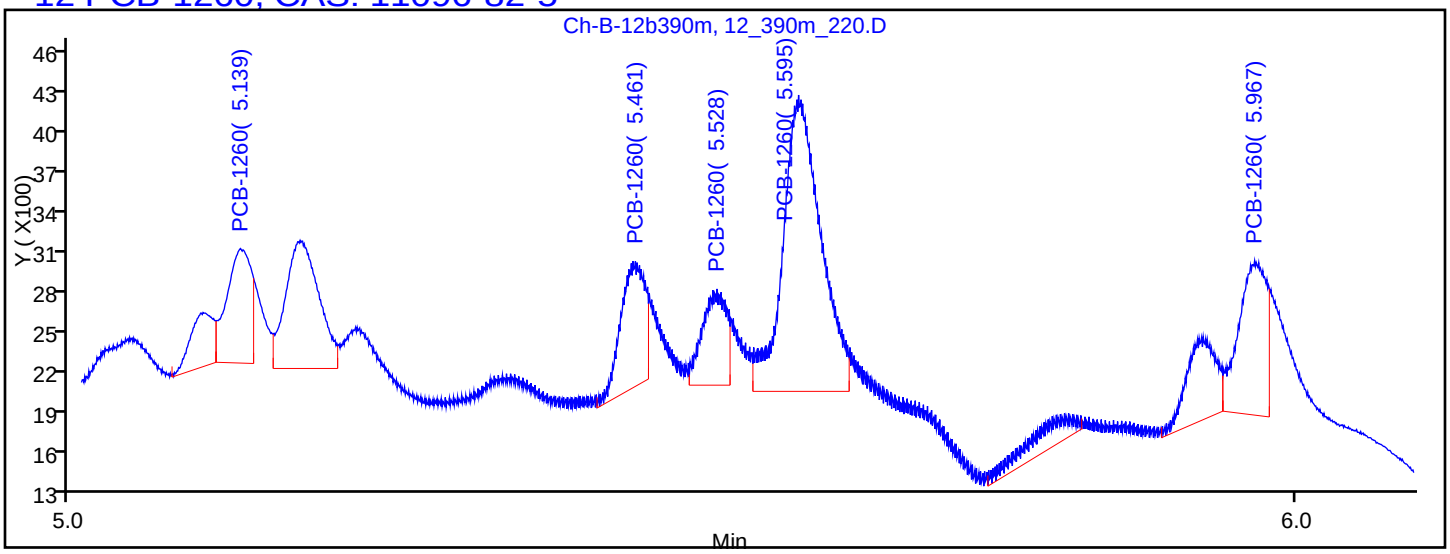
Report Date: 15-May-2017 13:51:10 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_220.D

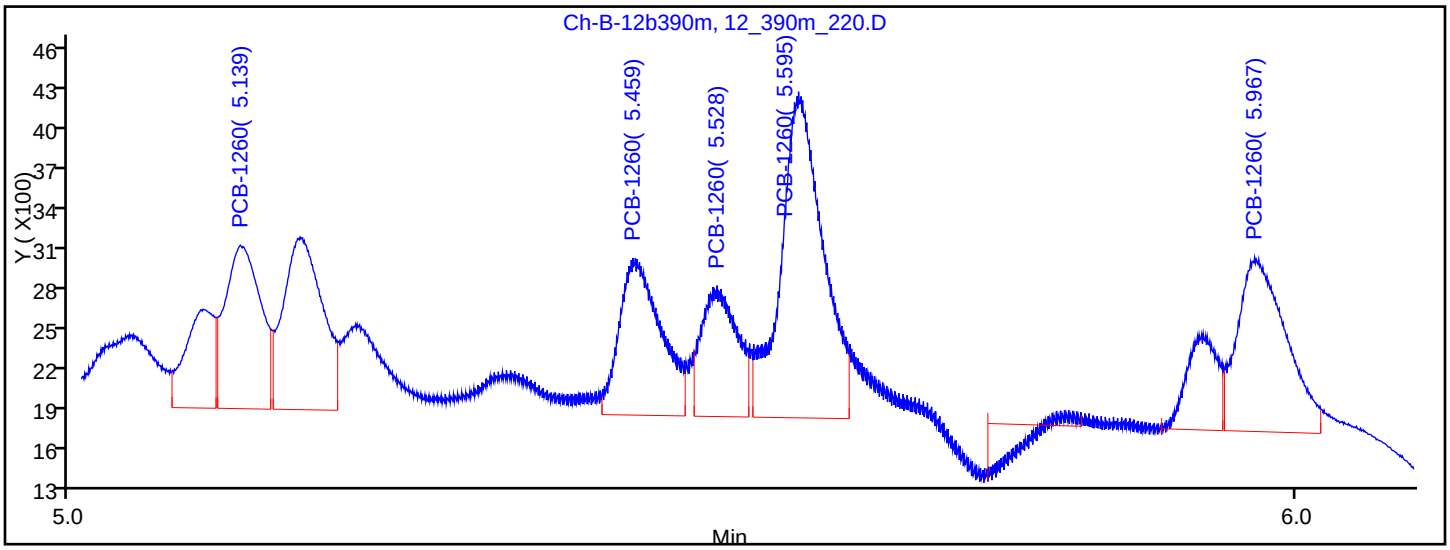
Injection Date:	11-May-2017 18:19:55	Instrument ID:	HP5890-12		
Lims ID:	IC 1				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

5.139	Response = 1157
5.461	Response = 1288
5.528	Response = 956
5.595	Response = 4714
5.967	Response = 1807



Manual Integration Results

5.139	Response = 2420	M
5.459	Response = 2743	M
5.528	Response = 1920	M
5.595	Response = 5759	M
5.967	Response = 3556	M

Reviewer: owenj, 12-May-2017 15:38:24

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

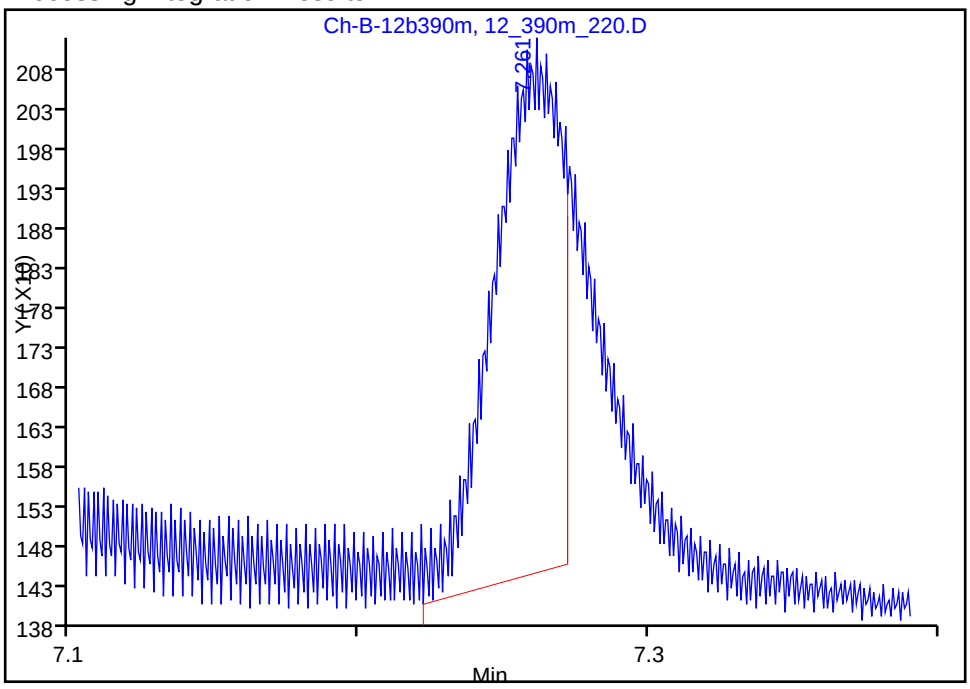
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_220.D
Injection Date: 11-May-2017 18:19:55 Instrument ID: HP5890-12
Lims ID: IC 1
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-B-7b136

$ 15 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 2

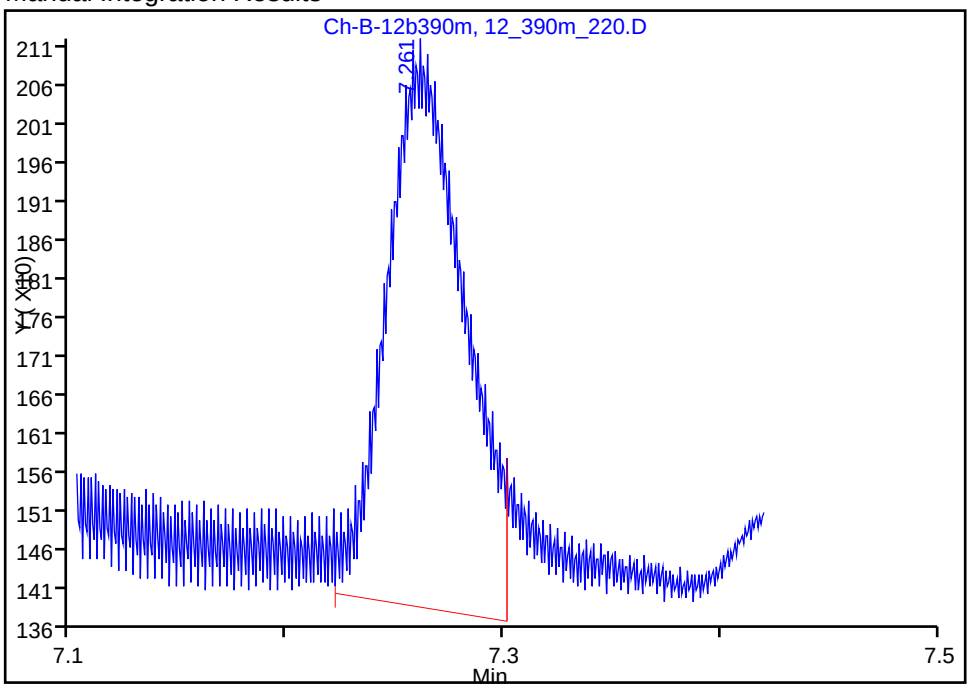
Processing Integration Results

RT: 7.26
Area: 1038
Amount: 0.000404
Amount Units: ng/uL



Manual Integration Results

RT: 7.26
Area: 1769
Amount: 0.000496
Amount Units: ng/uL



Reviewer: owenj, 12-May-2017 15:38:53
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1 Analy Batch No.: 356902

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/11/2017 19:52 Calibration End Date: 05/11/2017 20:22 Calibration ID: 30521

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-356902/31	12_390m_228.D
Level 2	IC 480-356902/30	12_390m_227.D
Level 3	IC 480-356902/29	12_390m_226.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3				B	M1	M2								
PCB-1221 Peak 1	0.0210	0.0135	0.0120			Lin1	0.0002	0.0122							0.9980		0.9900
PCB-1221 Peak 2	0.0223	0.0126	0.0127			Lin1	0.0002	0.0125							1.0000		0.9900
PCB-1221 Peak 3	0.0507	0.0416	0.0386			Lin1	0.0003	0.0390							0.9990		0.9900
PCB-1254 Peak 1	0.0991	0.0666	0.0617			Lin1	0.0008	0.0620							0.9990		0.9900
PCB-1254 Peak 2	0.1051	0.0853	0.0862			Lin1	0.0004	0.0857							1.0000		0.9900
PCB-1254 Peak 3	0.1322	0.0947	0.0894			Lin1	0.0009	0.0897							1.0000		0.9900
PCB-1254 Peak 4	0.0834	0.0564	0.0575			Lin1	0.0005	0.0569							1.0000		0.9900
PCB-1254 Peak 5	0.0761	0.0793	0.0781			Lin1	0	0.0784							1.0000		0.9900

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1 Analy Batch No.: 356902

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/11/2017 19:52 Calibration End Date: 05/11/2017 20:22 Calibration ID: 30521

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-356902/31	12_390m_228.D
Level 2	IC 480-356902/30	12_390m_227.D
Level 3	IC 480-356902/29	12_390m_226.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
PCB-1221 Peak 1	BNB	Lin1	1022	16831	55573			0.0200	0.500	2.00		
PCB-1221 Peak 2	BNB	Lin1	1081	15651	58748			0.0200	0.500	2.00		
PCB-1221 Peak 3	BNB	Lin1	2461	51774	178163			0.0200	0.500	2.00		
PCB-1254 Peak 1	BNB	Lin1	4811	83041	284917			0.0200	0.500	2.00		
PCB-1254 Peak 2	BNB	Lin1	5104	106312	398033			0.0200	0.500	2.00		
PCB-1254 Peak 3	BNB	Lin1	6422	117963	412789			0.0200	0.500	2.00		
PCB-1254 Peak 4	BNB	Lin1	4049	70258	265326			0.0200	0.500	2.00		
PCB-1254 Peak 5	BNB	Lin1	3695	98825	360625			0.0200	0.500	2.00		

Curve Type Legend:
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_226.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 11-May-2017 19:52:03 ALS Bottle#: 0 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub2

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 12-May-2017 16:48:44 Calib Date: 11-May-2017 21:24:09
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_232.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK011

First Level Reviewer: owenj Date: 12-May-2017 16:43:43

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.319	1.319	0.000	1154315	0.5000	0.5000	
2	1.616	1.616	0.000	1033084	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1221							
1	1.607	1.609	-0.002	55573	2.00	1.96	
1	2.024	2.024	0.000	58748	2.00	2.01	
1	2.118	2.123	-0.005	178163	2.00	1.97	
		Average of Peak Amounts =				1.98	
2	1.944	1.947	-0.003	40141	2.00	2.01	
2	2.457	2.459	-0.002	48611	2.00	2.05	
2	2.611	2.617	-0.006	118715	2.00	1.98	
		Average of Peak Amounts =				2.01	
						RPD = 1.45	
11 PCB-1254							
1	3.541	3.547	-0.006	284917	2.00	1.98	
1	3.823	3.827	-0.004	398033	2.00	2.01	
1	4.013	4.017	-0.004	412789	2.00	1.98	
1	4.222	4.223	-0.001	265326	2.00	2.01	
1	4.399	4.403	-0.004	360625	2.00	1.99	
		Average of Peak Amounts =				1.99	
2	4.149	4.153	-0.004	211085	2.00	1.99	
2	4.461	4.464	-0.003	144493	2.00	2.03	
2	4.549	4.554	-0.005	324727	2.00	1.97	
2	4.675	4.693	-0.018	342129	2.00	1.99	
2	5.125	5.129	-0.004	241100	2.00	2.03	
		Average of Peak Amounts =				2.00	
						RPD = 0.40	

Reagents:

21-54w/IS@2.0_00006 Amount Added: 1.00 Units: mL

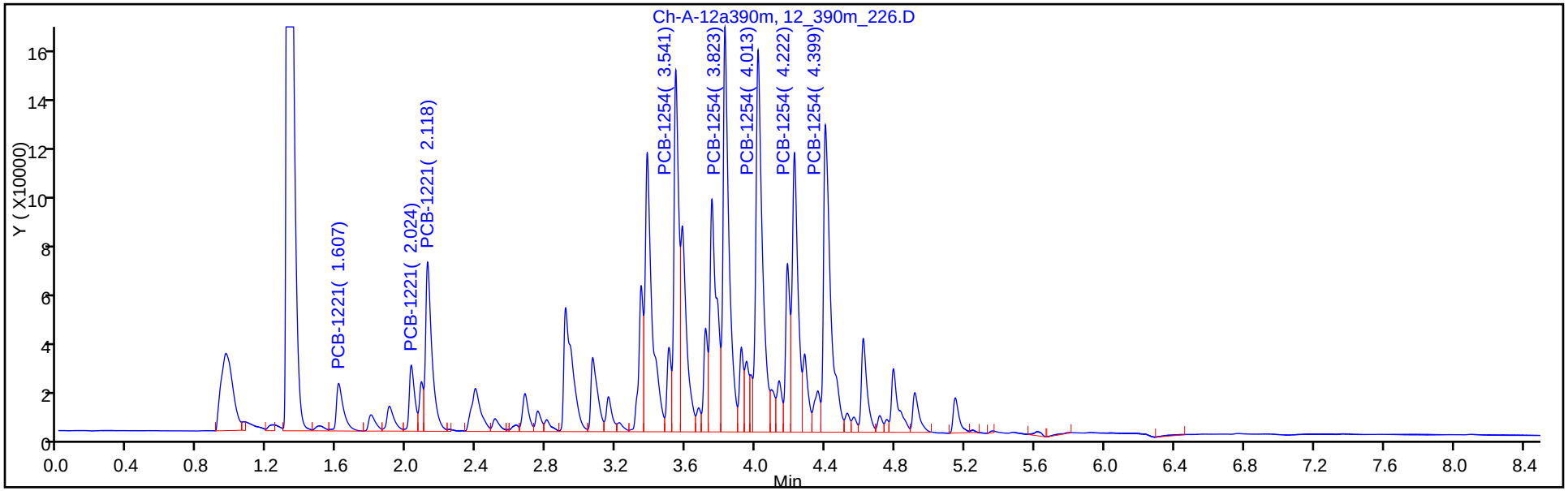
Report Date: 12-May-2017 16:48:45 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

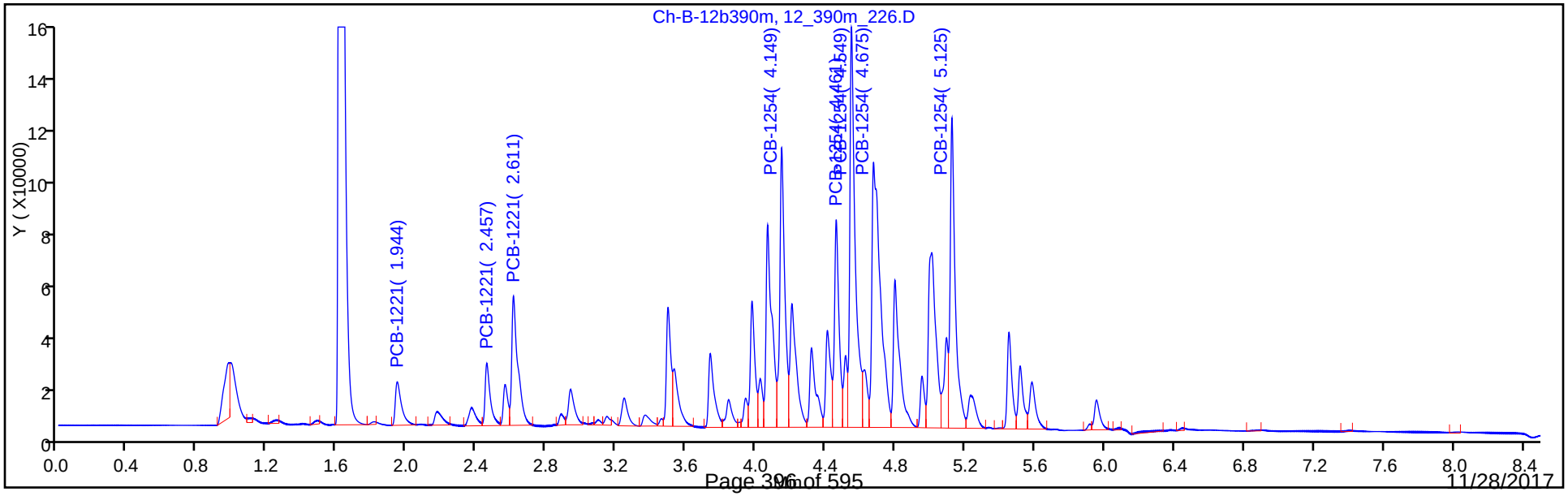
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_226.D

Injection Date:	11-May-2017 19:52:03	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	29
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_227.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 11-May-2017 20:07:24 ALS Bottle#: 0 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub2

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 12-May-2017 16:48:49 Calib Date: 11-May-2017 21:24:09
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_232.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK011

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.318	1.319	-0.001	1245976	0.5000	0.5000	
2	1.615	1.616	-0.001	1104534	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1221							
1	1.609	1.609	0.000	16831	0.5000	0.5392	
1	2.025	2.024	0.001	15651	0.5000	0.4857	
1	2.121	2.123	-0.002	51774	0.5000	0.5265	
		Average of Peak Amounts =				0.5171	
2	1.946	1.947	-0.001	10946	0.5000	0.4928	
2	2.459	2.459	0.000	11784	0.5000	0.4519	
2	2.612	2.617	-0.005	34033	0.5000	0.5172	
		Average of Peak Amounts =				0.4873	
						RPD = 5.94	
11 PCB-1254							
1	3.543	3.547	-0.004	83041	0.5000	0.5244	
1	3.825	3.827	-0.002	106312	0.5000	0.4933	
1	4.015	4.017	-0.002	117963	0.5000	0.5176	
1	4.222	4.223	-0.001	70258	0.5000	0.4870	
1	4.401	4.403	-0.002	98825	0.5000	0.5065	
		Average of Peak Amounts =				0.5057	
2	4.151	4.153	-0.002	57454	0.5000	0.5099	
2	4.463	4.464	-0.001	35305	0.5000	0.4659	
2	4.551	4.554	-0.003	93898	0.5000	0.5330	
2	4.679	4.693	-0.014	94383	0.5000	0.5100	
2	5.127	5.129	-0.002	59585	0.5000	0.4688	
		Average of Peak Amounts =				0.4975	
						RPD = 1.64	

Reagents:

21-54w/IS@0.5_00008 Amount Added: 1.00 Units: mL

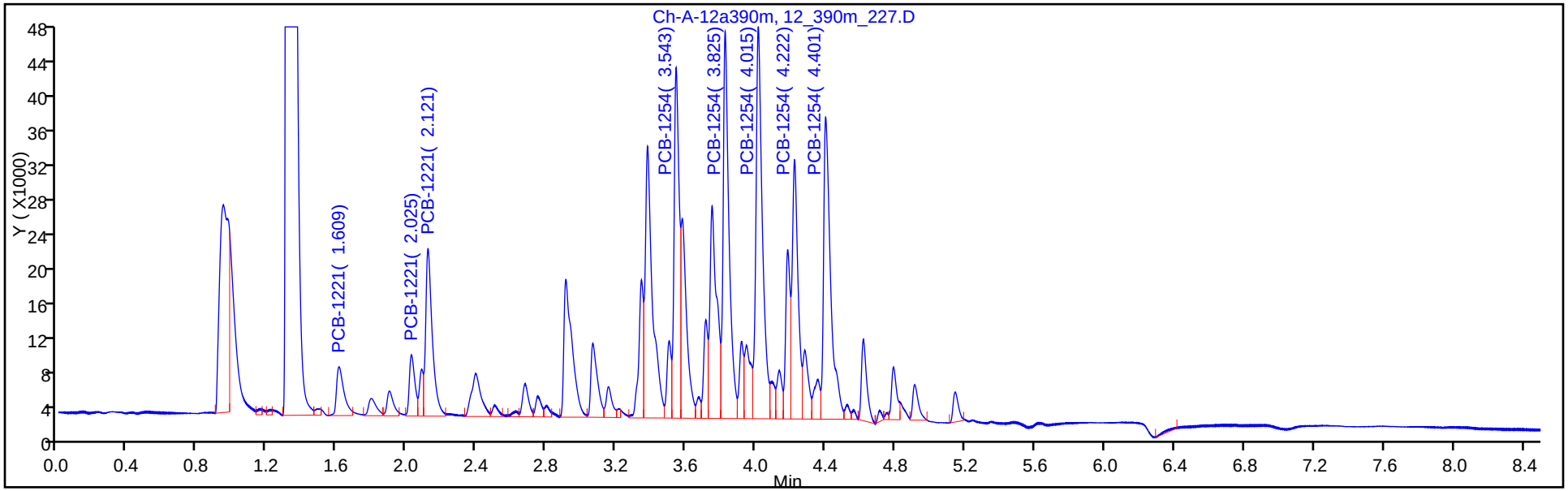
Report Date: 12-May-2017 16:48:49 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

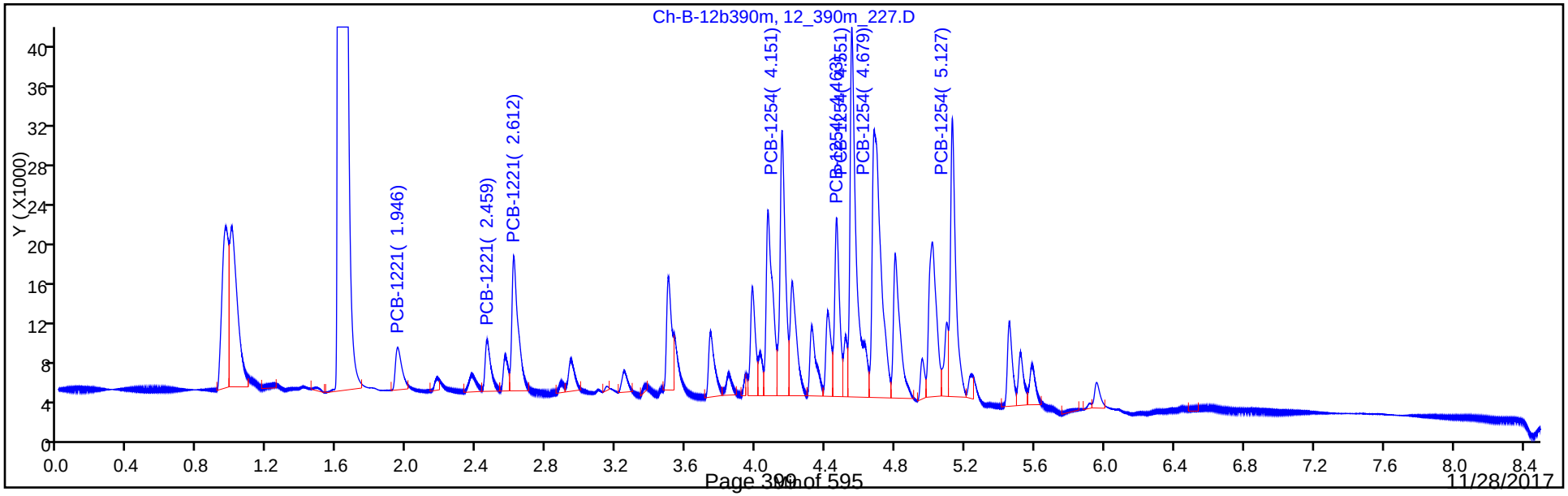
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_227.D

Injection Date:	11-May-2017 20:07:24	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	30
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_228.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 11-May-2017 20:22:44 ALS Bottle#: 0 Worklist Smp#: 31
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub2

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 12-May-2017 16:48:51 Calib Date: 11-May-2017 21:24:09
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_232.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK011

First Level Reviewer: owenj Date: 12-May-2017 16:42:01

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.319	1.319	0.000	1214193	0.5000	0.5000	
2	1.616	1.616	0.000	1072861	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1221							M
1	1.609	1.609	0.000	1022	0.0200	0.0188	M
1	2.024	2.024	0.000	1081	0.0200	0.0204	M
1	2.123	2.123	0.000	2461	0.0200	0.0192	M
		Average of Peak Amounts =				0.0195	
2	1.947	1.947	0.000	939	0.0200	0.0202	M
2	2.459	2.459	0.000	910	0.0200	0.0215	M
2	2.617	2.617	0.000	2428	0.0200	0.0195	M
		Average of Peak Amounts =				0.0204	
						RPD = 4.54	
11 PCB-1254							M
1	3.547	3.547	0.000	4811	0.0200	0.0193	
1	3.827	3.827	0.000	5104	0.0200	0.0202	
1	4.017	4.017	0.000	6422	0.0200	0.0195	
1	4.223	4.223	0.000	4049	0.0200	0.0204	
1	4.403	4.403	0.000	3695	0.0200	0.0198	
		Average of Peak Amounts =				0.0198	
2	4.153	4.153	0.000	1709	0.0200	0.0197	M
2	4.464	4.464	0.000	1431	0.0200	0.0210	M
2	4.554	4.554	0.000	3083	0.0200	0.0190	M
2	4.693	4.693	0.000	4358	0.0200	0.0197	M
2	5.129	5.129	0.000	2655	0.0200	0.0209	M
		Average of Peak Amounts =				0.0201	
						RPD = 1.25	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

21-54w/IS@.02_00005 Amount Added: 1.00 Units: mL

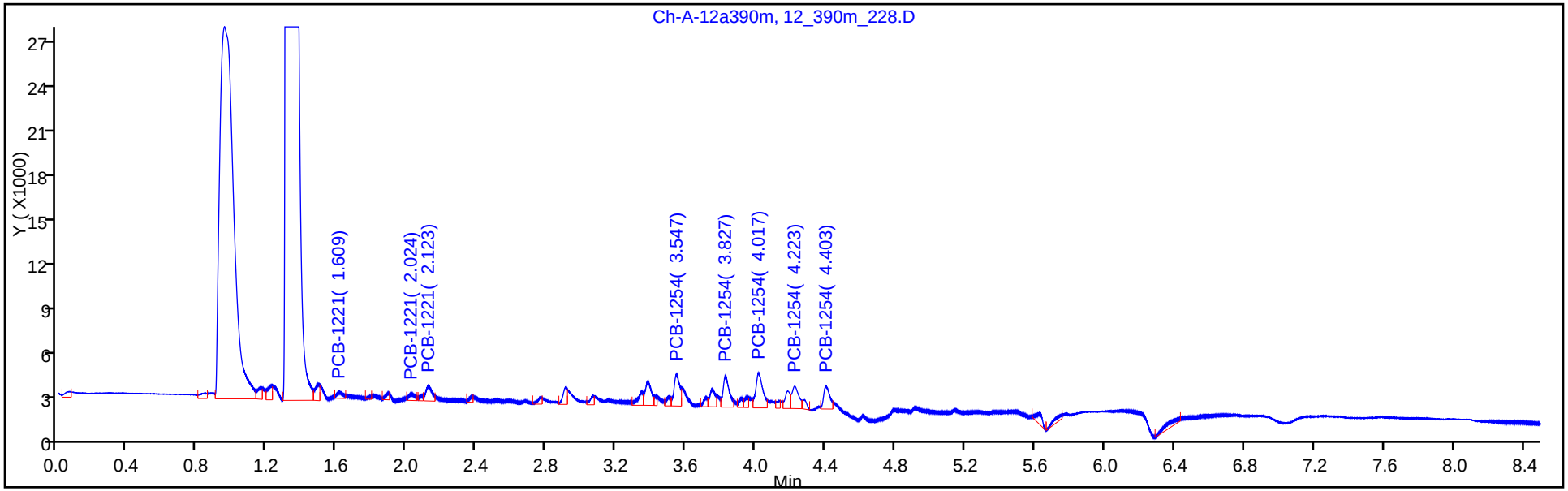
Report Date: 12-May-2017 16:48:52 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

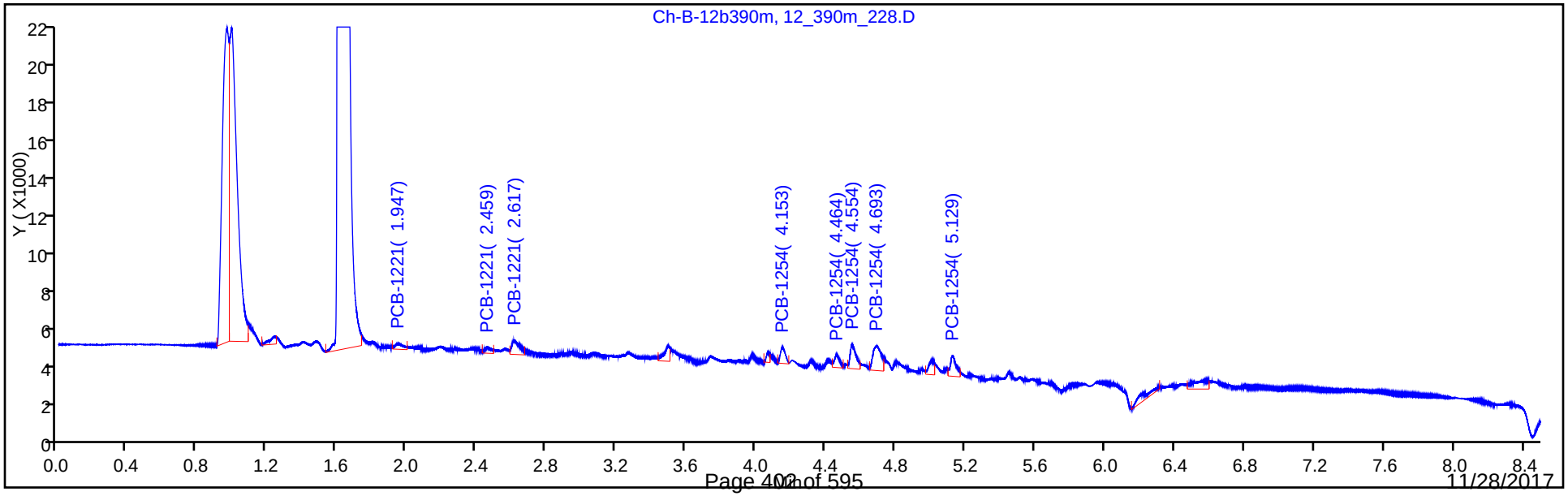
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_228.D

Injection Date:	11-May-2017 20:22:44	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 1			Worklist Smp#:	31
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



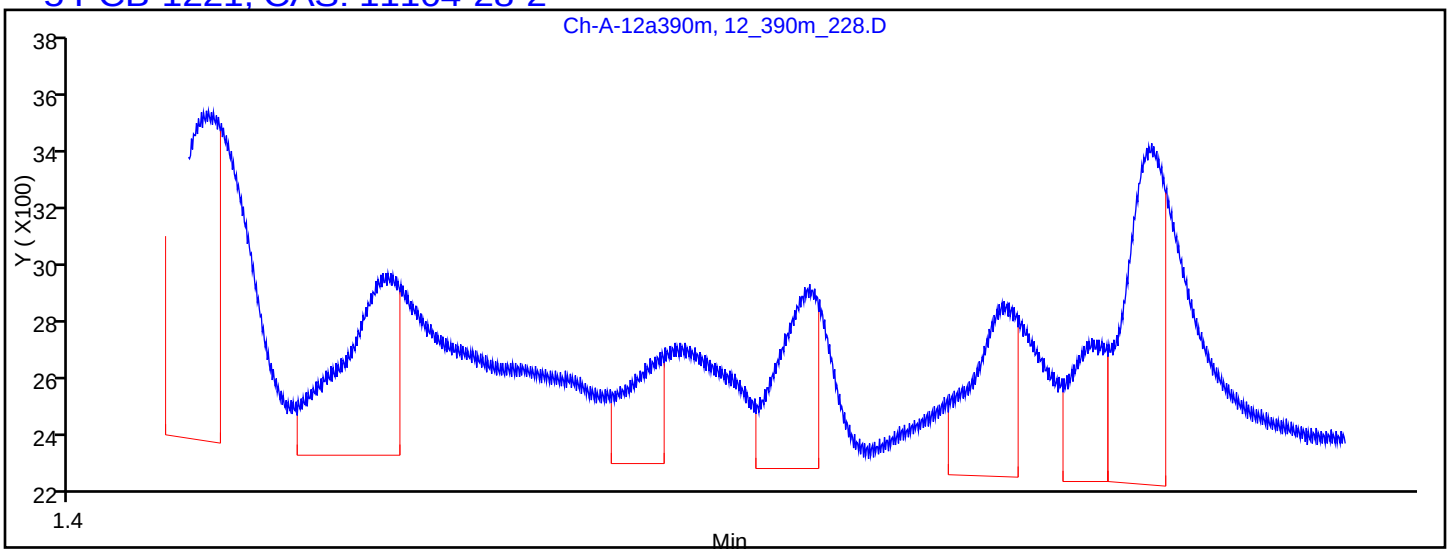
Report Date: 12-May-2017 16:48:52 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

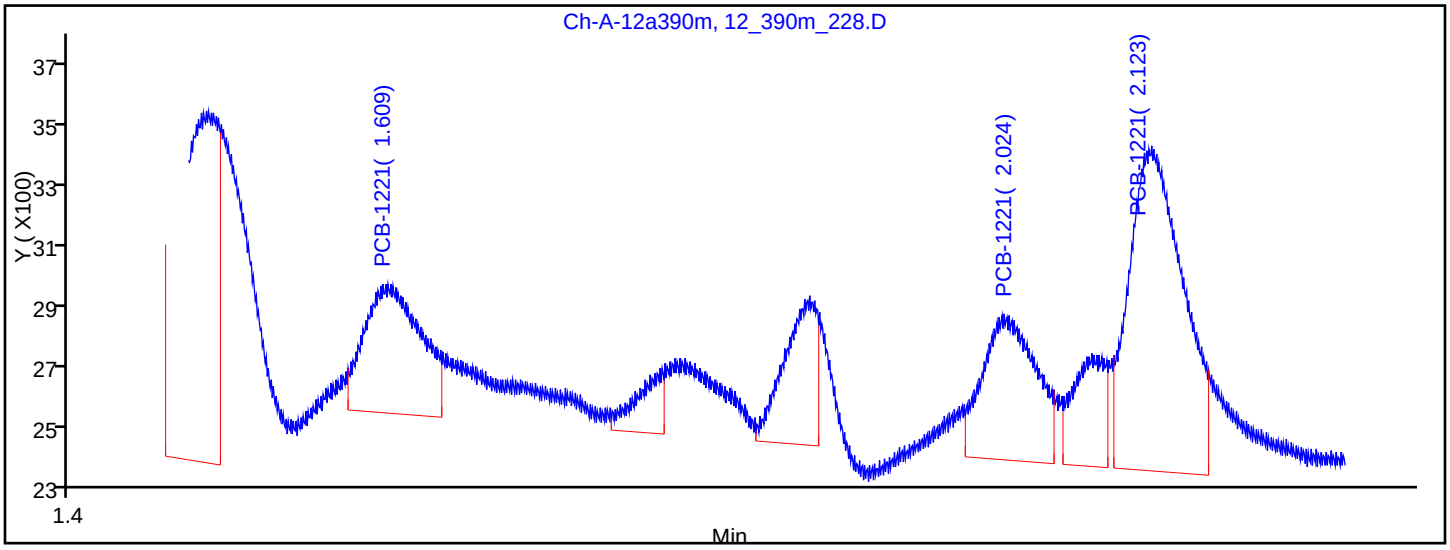
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Injection Date:	11-May-2017 20:22:44	Instrument ID:	HP5890-12		
Lims ID:	IC 1				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

5 PCB-1221, CAS: 11104-28-2



Processing Integration Results



Manual Integration Results

1.609	Response = 1022	M
2.024	Response = 1081	M
2.123	Response = 2461	M

Reviewer: owenj, 12-May-2017 16:41:39

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1 Analy Batch No.: 356902

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/11/2017 19:52 Calibration End Date: 05/11/2017 20:22 Calibration ID: 30522

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-356902/31	12_390m_228.D
Level 2	IC 480-356902/30	12_390m_227.D
Level 3	IC 480-356902/29	12_390m_226.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3				B	M1	M2								
PCB-1221 Peak 1	0.0219	0.0099	0.0097			Lin1	0.0002	0.0096							1.0000		0.9900
PCB-1221 Peak 2	0.0212	0.0107	0.0118			Lin1	0.0002	0.0114							0.9980		0.9900
PCB-1221 Peak 3	0.0566	0.0308	0.0287			Lin1	0.0006	0.0287							1.0000		0.9900
PCB-1254 Peak 1	0.0398	0.0520	0.0511			Lin1	0	0.0514							1.0000		0.9900
PCB-1254 Peak 2	0.0333	0.0320	0.0350			Lin1	0	0.0344							0.9990		0.9900
PCB-1254 Peak 3	0.0718	0.0850	0.0786			Lin1	0	0.0799							0.9990		0.9900
PCB-1254 Peak 4	0.1016	0.0855	0.0828			Lin1	0.0004	0.0830							1.0000		0.9900
PCB-1254 Peak 5	0.0619	0.0539	0.0583			Lin1	0	0.0575							0.9990		0.9900

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1 Analy Batch No.: 356902

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/11/2017 19:52 Calibration End Date: 05/11/2017 20:22 Calibration ID: 30522

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-356902/31	12_390m_228.D
Level 2	IC 480-356902/30	12_390m_227.D
Level 3	IC 480-356902/29	12_390m_226.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
PCB-1221 Peak 1	BNB	Lin1	939	10946	40141			0.0200	0.500	2.00		
PCB-1221 Peak 2	BNB	Lin1	910	11784	48611			0.0200	0.500	2.00		
PCB-1221 Peak 3	BNB	Lin1	2428	34033	118715			0.0200	0.500	2.00		
PCB-1254 Peak 1	BNB	Lin1	1709	57454	211085			0.0200	0.500	2.00		
PCB-1254 Peak 2	BNB	Lin1	1431	35305	144493			0.0200	0.500	2.00		
PCB-1254 Peak 3	BNB	Lin1	3083	93898	324727			0.0200	0.500	2.00		
PCB-1254 Peak 4	BNB	Lin1	4358	94383	342129			0.0200	0.500	2.00		
PCB-1254 Peak 5	BNB	Lin1	2655	59585	241100			0.0200	0.500	2.00		

Curve Type Legend:
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_226.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 11-May-2017 19:52:03 ALS Bottle#: 0 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub2

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 12-May-2017 16:48:44 Calib Date: 11-May-2017 21:24:09
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_232.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK011

First Level Reviewer: owenj Date: 12-May-2017 16:43:43

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.319	1.319	0.000	1154315	0.5000	0.5000	
2	1.616	1.616	0.000	1033084	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1221							
1	1.607	1.609	-0.002	55573	2.00	1.96	
1	2.024	2.024	0.000	58748	2.00	2.01	
1	2.118	2.123	-0.005	178163	2.00	1.97	
		Average of Peak Amounts =				1.98	
2	1.944	1.947	-0.003	40141	2.00	2.01	
2	2.457	2.459	-0.002	48611	2.00	2.05	
2	2.611	2.617	-0.006	118715	2.00	1.98	
		Average of Peak Amounts =				2.01	
						RPD = 1.45	
11 PCB-1254							
1	3.541	3.547	-0.006	284917	2.00	1.98	
1	3.823	3.827	-0.004	398033	2.00	2.01	
1	4.013	4.017	-0.004	412789	2.00	1.98	
1	4.222	4.223	-0.001	265326	2.00	2.01	
1	4.399	4.403	-0.004	360625	2.00	1.99	
		Average of Peak Amounts =				1.99	
2	4.149	4.153	-0.004	211085	2.00	1.99	
2	4.461	4.464	-0.003	144493	2.00	2.03	
2	4.549	4.554	-0.005	324727	2.00	1.97	
2	4.675	4.693	-0.018	342129	2.00	1.99	
2	5.125	5.129	-0.004	241100	2.00	2.03	
		Average of Peak Amounts =				2.00	
						RPD = 0.40	

Reagents:

21-54w/IS@2.0_00006 Amount Added: 1.00 Units: mL

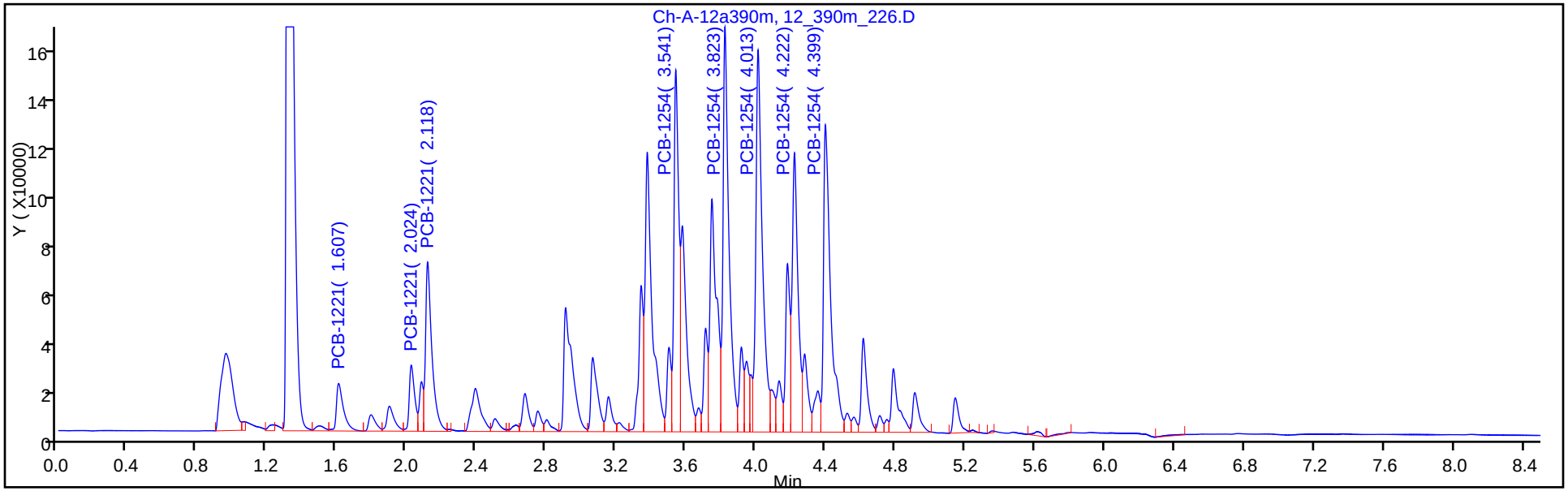
Report Date: 12-May-2017 16:48:45 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

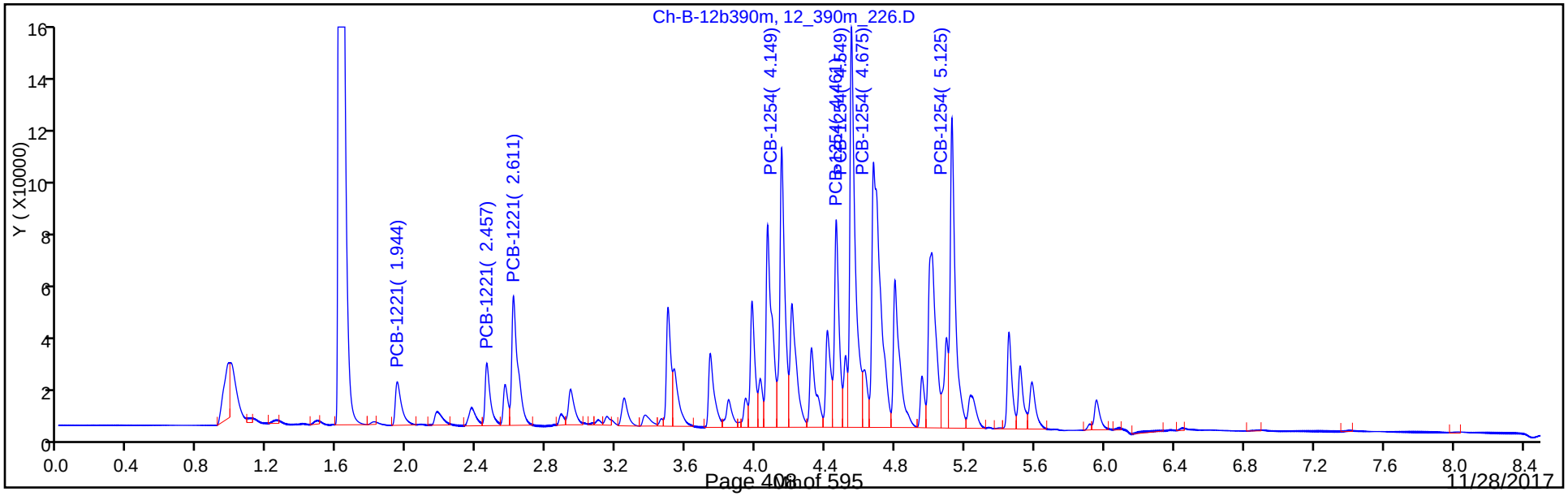
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_226.D

Injection Date:	11-May-2017 19:52:03	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	29
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_227.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 11-May-2017 20:07:24 ALS Bottle#: 0 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub2

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 12-May-2017 16:48:49 Calib Date: 11-May-2017 21:24:09
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_232.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK011

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.318	1.319	-0.001	1245976	0.5000	0.5000	
2	1.615	1.616	-0.001	1104534	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1221							
1	1.609	1.609	0.000	16831	0.5000	0.5392	
1	2.025	2.024	0.001	15651	0.5000	0.4857	
1	2.121	2.123	-0.002	51774	0.5000	0.5265	
		Average of Peak Amounts =				0.5171	
2	1.946	1.947	-0.001	10946	0.5000	0.4928	
2	2.459	2.459	0.000	11784	0.5000	0.4519	
2	2.612	2.617	-0.005	34033	0.5000	0.5172	
		Average of Peak Amounts =				0.4873	
						RPD = 5.94	
11 PCB-1254							
1	3.543	3.547	-0.004	83041	0.5000	0.5244	
1	3.825	3.827	-0.002	106312	0.5000	0.4933	
1	4.015	4.017	-0.002	117963	0.5000	0.5176	
1	4.222	4.223	-0.001	70258	0.5000	0.4870	
1	4.401	4.403	-0.002	98825	0.5000	0.5065	
		Average of Peak Amounts =				0.5057	
2	4.151	4.153	-0.002	57454	0.5000	0.5099	
2	4.463	4.464	-0.001	35305	0.5000	0.4659	
2	4.551	4.554	-0.003	93898	0.5000	0.5330	
2	4.679	4.693	-0.014	94383	0.5000	0.5100	
2	5.127	5.129	-0.002	59585	0.5000	0.4688	
		Average of Peak Amounts =				0.4975	
						RPD = 1.64	

Reagents:

21-54w/IS@0.5_00008 Amount Added: 1.00 Units: mL

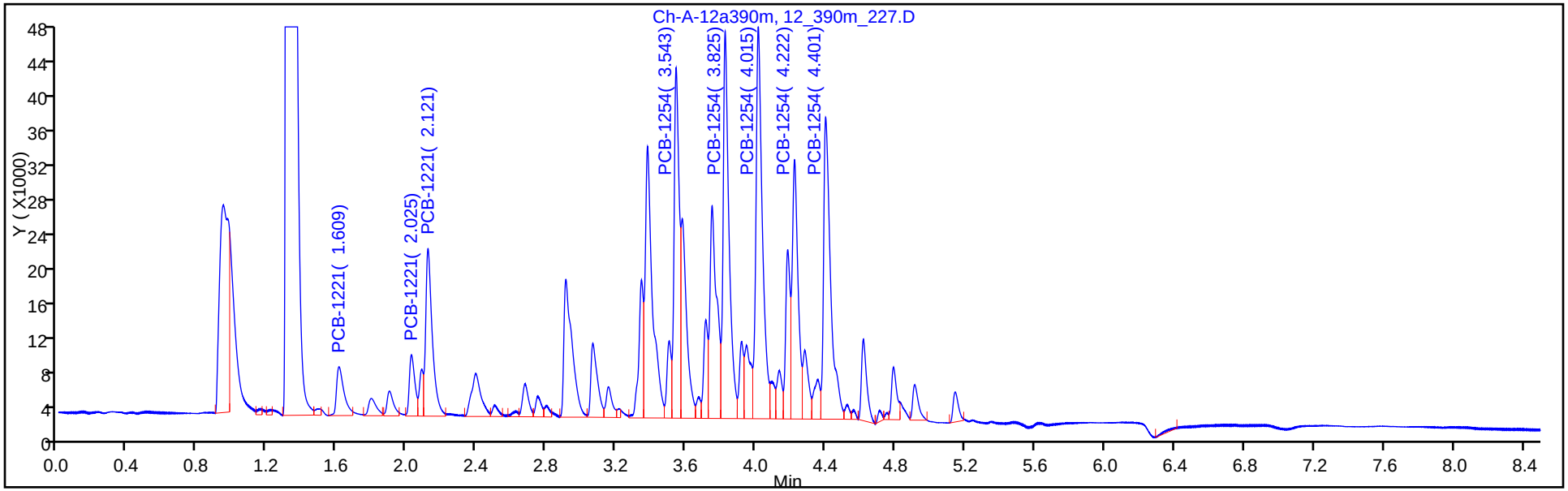
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TestAmerica Buffalo

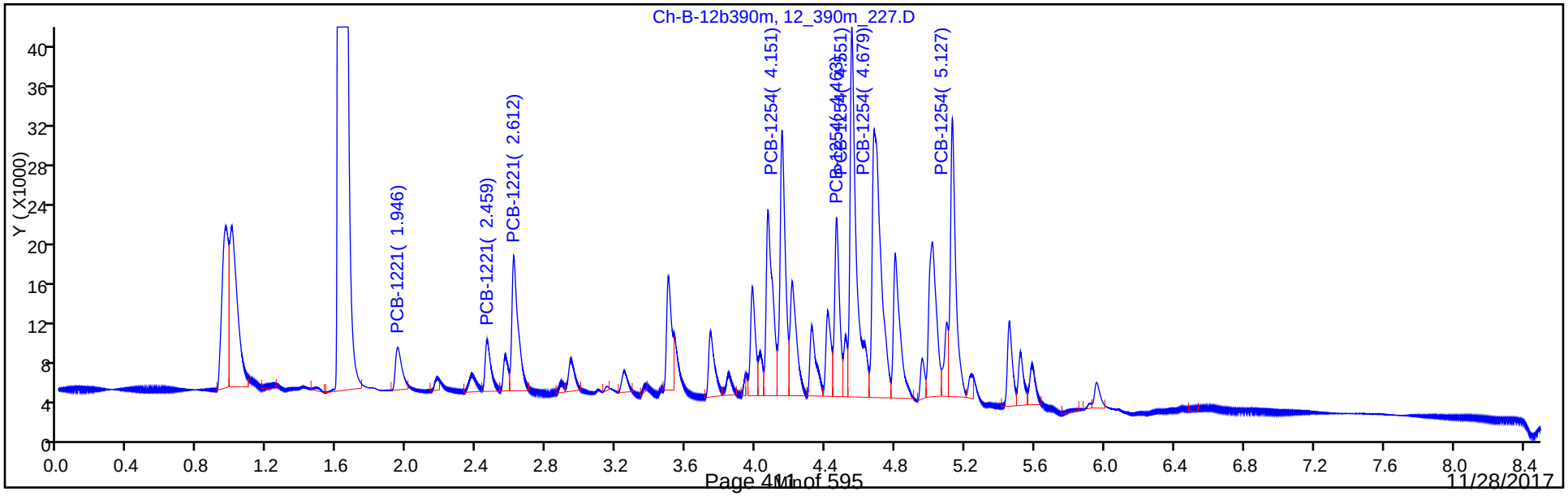
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Injection Date:	11-May-2017 20:07:24	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	30
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_228.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 11-May-2017 20:22:44 ALS Bottle#: 0 Worklist Smp#: 31
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub2

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 12-May-2017 16:48:51 Calib Date: 11-May-2017 21:24:09
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_232.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK011

First Level Reviewer: owenj Date: 12-May-2017 16:42:01

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.319	1.319	0.000	1214193	0.5000	0.5000	
2	1.616	1.616	0.000	1072861	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1221							M
1	1.609	1.609	0.000	1022	0.0200	0.0188	M
1	2.024	2.024	0.000	1081	0.0200	0.0204	M
1	2.123	2.123	0.000	2461	0.0200	0.0192	M
		Average of Peak Amounts =				0.0195	
2	1.947	1.947	0.000	939	0.0200	0.0202	M
2	2.459	2.459	0.000	910	0.0200	0.0215	M
2	2.617	2.617	0.000	2428	0.0200	0.0195	M
		Average of Peak Amounts =				0.0204	
						RPD = 4.54	
11 PCB-1254							M
1	3.547	3.547	0.000	4811	0.0200	0.0193	
1	3.827	3.827	0.000	5104	0.0200	0.0202	
1	4.017	4.017	0.000	6422	0.0200	0.0195	
1	4.223	4.223	0.000	4049	0.0200	0.0204	
1	4.403	4.403	0.000	3695	0.0200	0.0198	
		Average of Peak Amounts =				0.0198	
2	4.153	4.153	0.000	1709	0.0200	0.0197	M
2	4.464	4.464	0.000	1431	0.0200	0.0210	M
2	4.554	4.554	0.000	3083	0.0200	0.0190	M
2	4.693	4.693	0.000	4358	0.0200	0.0197	M
2	5.129	5.129	0.000	2655	0.0200	0.0209	M
		Average of Peak Amounts =				0.0201	
						RPD = 1.25	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

21-54w/IS@.02_00005 Amount Added: 1.00 Units: mL

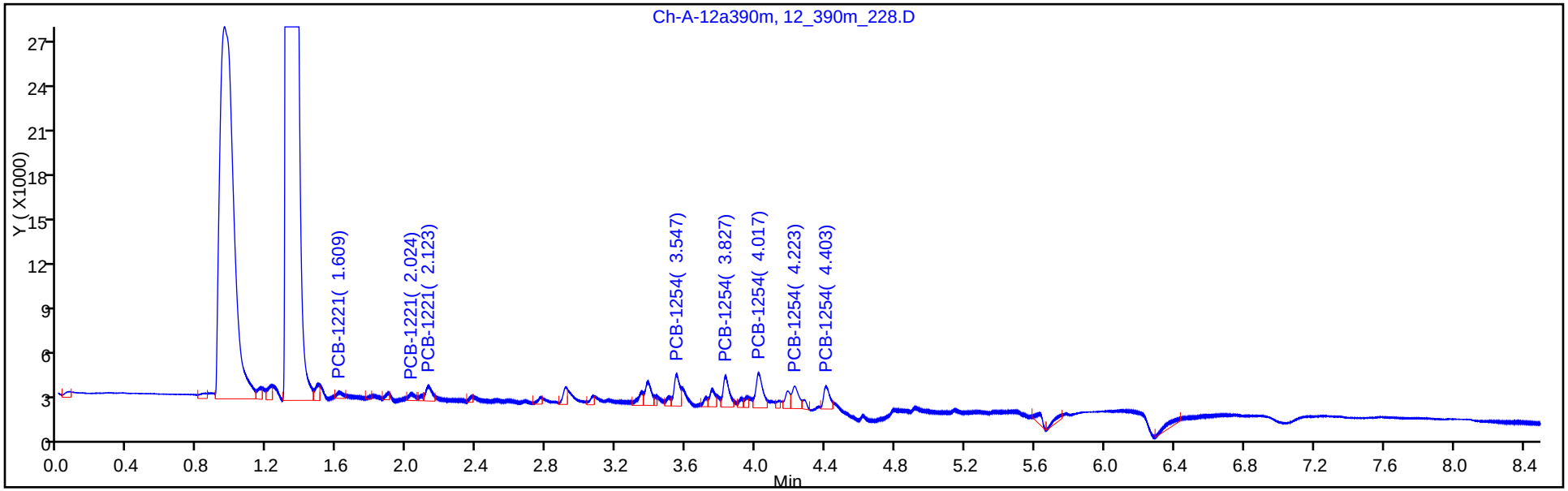
Report Date: 12-May-2017 16:48:52 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

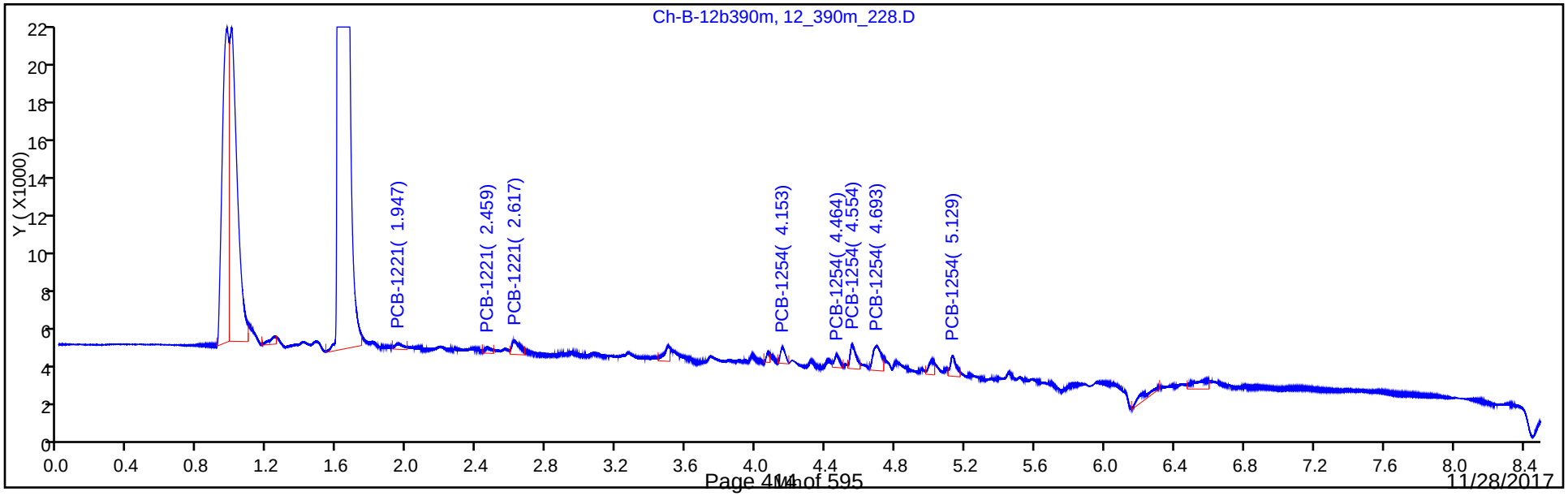
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Injection Date:	11-May-2017 20:22:44	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 1			Worklist Smp#:	31
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Report Date: 12-May-2017 16:48:52 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_228.D

Injection Date: 11-May-2017 20:22:44 Instrument ID: HP5890-12

Lims ID: IC 1

Client ID:

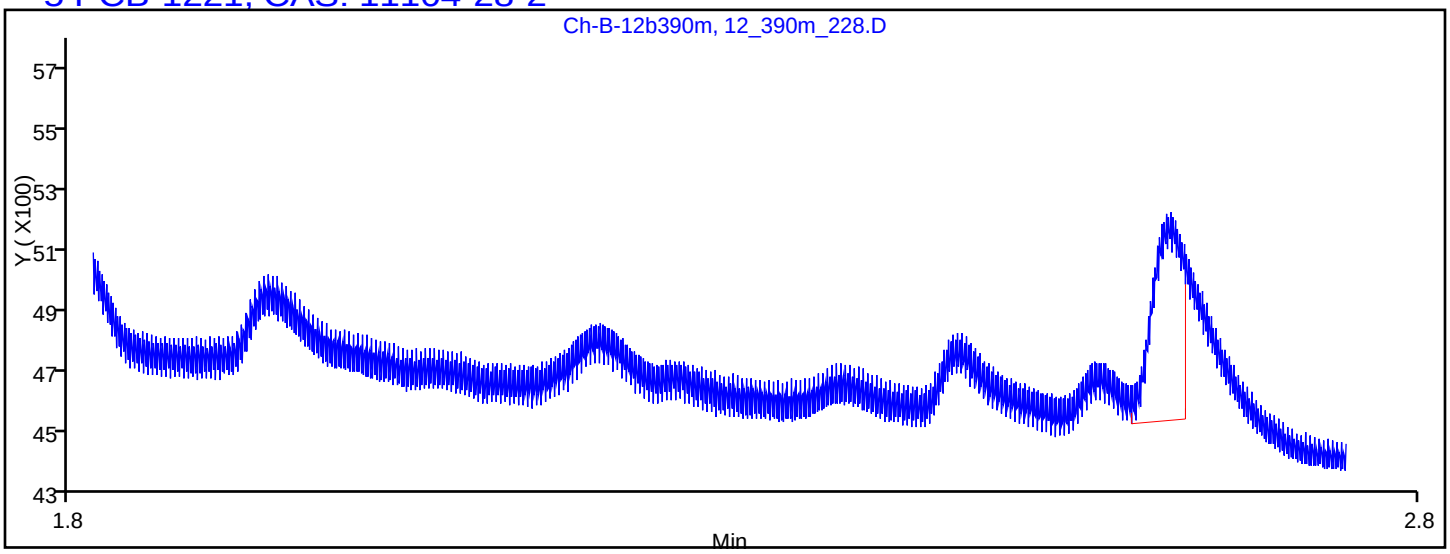
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 31

Injection Vol: 1.0 ul Dil. Factor: 1.0000

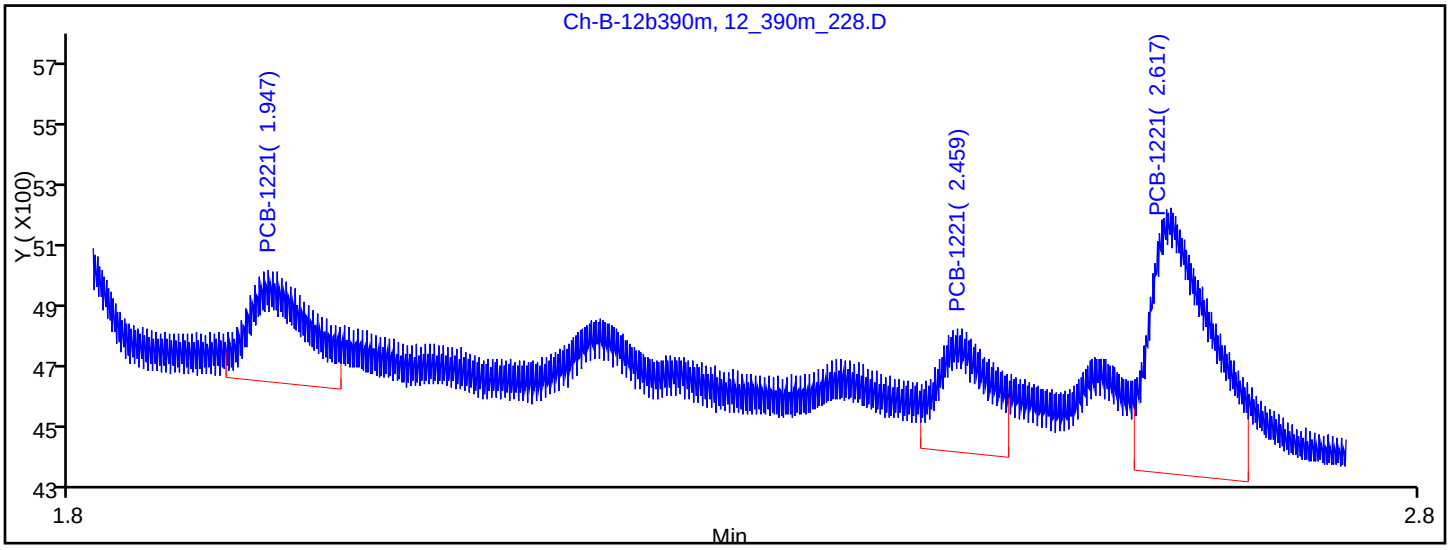
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

Column: Detector Ch-B-7b136

5 PCB-1221, CAS: 11104-28-2



Processing Integration Results



Manual Integration Results

1.947	Response = 939	M
2.459	Response = 910	M
2.617	Response = 2428	M

Reviewer: owenj, 12-May-2017 16:41:48

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Split Peak

Report Date: 12-May-2017 16:48:52 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_228.D

Injection Date: 11-May-2017 20:22:44 Instrument ID: HP5890-12

Lims ID: IC 1

Client ID:

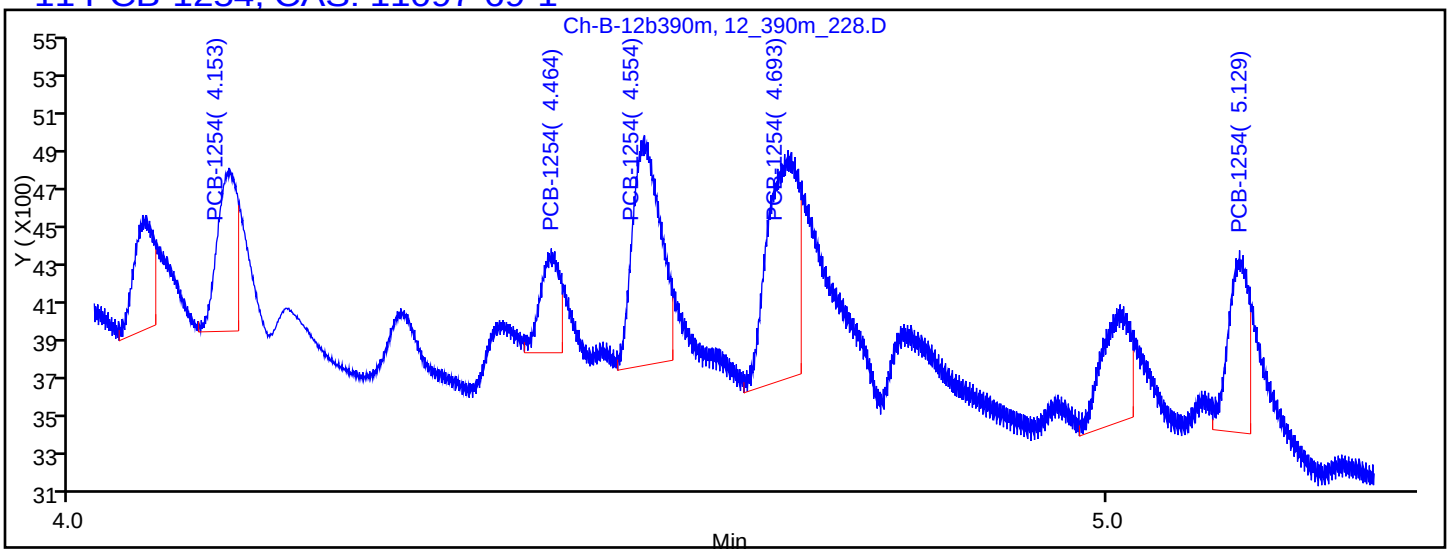
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 31

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

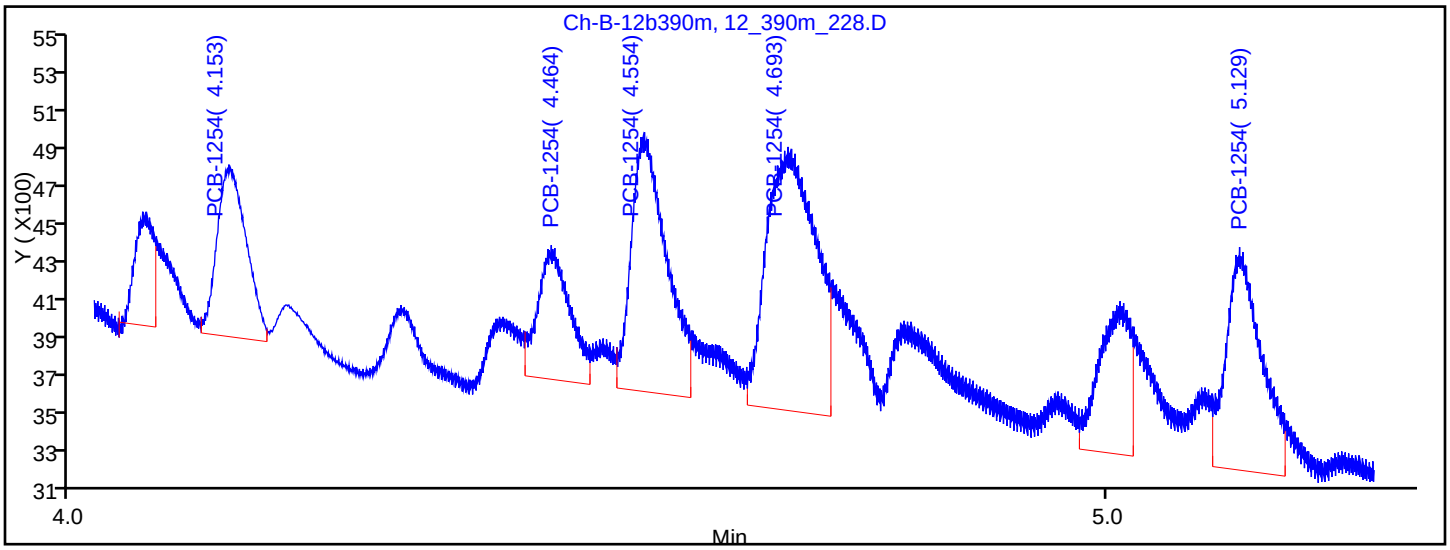
Column: Detector Ch-B-7b136

11 PCB-1254, CAS: 11097-69-1



Processing Integration Results

4.153	Response = 1062
4.464	Response = 653
4.554	Response = 2168
4.693	Response = 2374
5.129	Response = 1188



Manual Integration Results

4.153	Response = 1709	M
4.464	Response = 1431	M
4.554	Response = 3083	M
4.693	Response = 4358	M
5.129	Response = 2655	M

Reviewer: owenj, 12-May-2017 16:41:32

Audit Action: Assigned New Baseline Audit Reason: Split Peak

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1 Analy Batch No.: 356902

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/11/2017 20:53 Calibration End Date: 05/11/2017 21:24 Calibration ID: 30533

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-356902/35	12_390m_232.D
Level 2	IC 480-356902/34	12_390m_231.D
Level 3	IC 480-356902/33	12_390m_230.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3				B	M1	M2								
PCB-1232 Peak 1	0.0487	0.0348	0.0318			Lin1	0.0004	0.0321							0.9990		0.9900
PCB-1232 Peak 2	0.0360	0.0309	0.0296			Lin1	0.0001	0.0297							1.0000		0.9900
PCB-1232 Peak 3	0.0171	0.0118	0.0143			Lin1	0	0.0138							0.9940		0.9900
PCB-1232 Peak 4	0.0477	0.0452	0.0450			Lin1	0.0001	0.0450							1.0000		0.9900
PCB-1232 Peak 5	0.0286	0.0183	0.0186			Lin1	0.0002	0.0184							1.0000		0.9900
PCB-1262 Peak 1	0.0643	0.0681	0.0595			Lin1	0.0002	0.0610							0.9970		0.9900
PCB-1262 Peak 2	0.0305	0.0456	0.0437			Lin1	0	0.0443							1.0000		0.9900
PCB-1262 Peak 3	0.0369	0.0389	0.0381			Lin1	0	0.0383							1.0000		0.9900
PCB-1262 Peak 4	0.0510	0.0517	0.0474			Lin1	0.0001	0.0481							0.9990		0.9900
PCB-1262 Peak 5	0.0715	0.0807	0.0810			Lin1	0	0.0811							1.0000		0.9900

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1 Analy Batch No.: 356902

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/11/2017 20:53 Calibration End Date: 05/11/2017 21:24 Calibration ID: 30533

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-356902/35	12_390m_232.D
Level 2	IC 480-356902/34	12_390m_231.D
Level 3	IC 480-356902/33	12_390m_230.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
PCB-1232 Peak 1	BNB	Lin1	2562	44000	170718			0.0200	0.500	2.00		
PCB-1232 Peak 2	BNB	Lin1	1893	38995	159128			0.0200	0.500	2.00		
PCB-1232 Peak 3	BNB	Lin1	897	14962	77043			0.0200	0.500	2.00		
PCB-1232 Peak 4	BNB	Lin1	2507	57106	242066			0.0200	0.500	2.00		
PCB-1232 Peak 5	BNB	Lin1	1504	23173	100143			0.0200	0.500	2.00		
PCB-1262 Peak 1	BNB	Lin1	3384	86037	319527			0.0200	0.500	2.00		
PCB-1262 Peak 2	BNB	Lin1	1604	57612	234993			0.0200	0.500	2.00		
PCB-1262 Peak 3	BNB	Lin1	1939	49208	204942			0.0200	0.500	2.00		
PCB-1262 Peak 4	BNB	Lin1	2684	65363	254650			0.0200	0.500	2.00		
PCB-1262 Peak 5	BNB	Lin1	3760	101909	435290			0.0200	0.500	2.00		

Curve Type Legend:
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_230.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 11-May-2017 20:53:28 ALS Bottle#: 0 Worklist Smp#: 33
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub3

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 12-May-2017 16:48:59 Calib Date: 11-May-2017 21:24:09
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_232.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK011

First Level Reviewer: owenj Date: 12-May-2017 16:44:46

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.318	1.319	-0.001	1343483	0.5000	0.5000	
2	1.615	1.616	-0.001	1182649	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1232							
1	2.117	2.122	-0.005	170718	2.00	1.97	
1	2.383	2.381	0.002	159128	2.00	1.99	
1	2.500	2.503	-0.003	77043	2.00	2.07	
1	2.673	2.678	-0.005	242066	2.00	2.00	
1	2.745	2.765	-0.020	100143	2.00	2.01	
		Average of Peak Amounts =				2.01	
2	2.609	2.615	-0.006	120208	2.00	1.99	
2	2.931	2.937	-0.006	105453	2.00	2.01	
2	3.241	3.247	-0.006	181184	2.00	2.01	
2	3.359	3.364	-0.005	73808	2.00	2.06	
2	3.739	3.745	-0.006	81592	2.00	2.03	
		Average of Peak Amounts =				2.02	
						RPD = 0.61	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1262							
1	4.521	4.526	-0.005	319527	2.00	1.95	
1	4.705	4.712	-0.007	234993	2.00	1.98	
1	5.141	5.146	-0.005	204942	2.00	1.99	
1	5.198	5.203	-0.005	254650	2.00	1.97	
1	5.238	5.243	-0.005	435290	2.00	2.00	
		Average of Peak Amounts =				1.98	
2	5.171	5.179	-0.008	271510	2.00	1.96	
2	5.442	5.447	-0.005	247106	2.00	1.98	
2	5.577	5.584	-0.007	598558	2.00	1.98	
2	5.904	5.911	-0.007	218572	2.00	1.96	a
2	5.947	5.954	-0.007	454044	2.00	1.98	a
		Average of Peak Amounts =				1.97	
						RPD = 0.26	

Reagents:

32-62w/IS@2.0_00005 Amount Added: 1.00 Units: mL

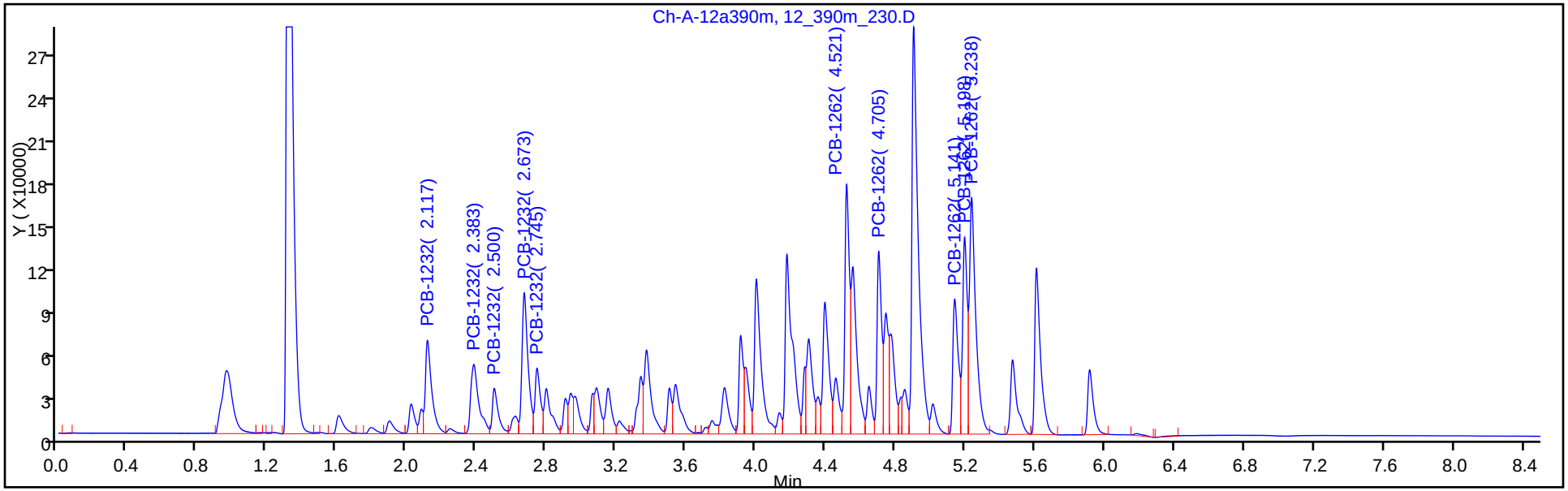
Report Date: 12-May-2017 16:48:59 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

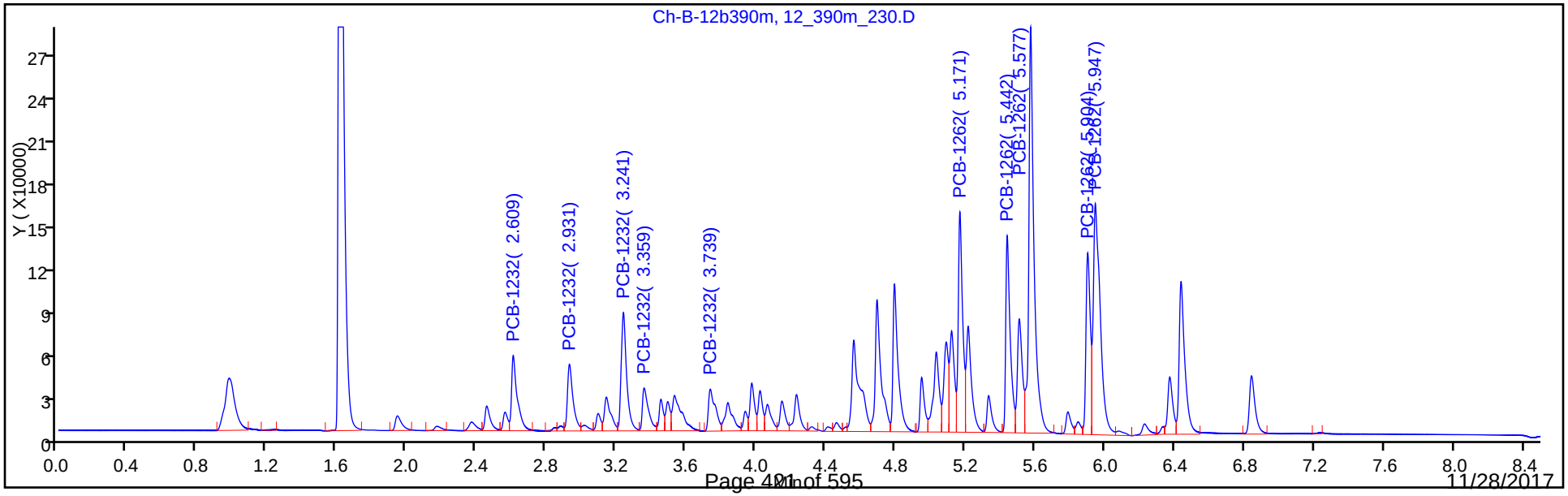
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_230.D

Injection Date:	11-May-2017 20:53:28	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	33
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_231.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 11-May-2017 21:08:50 ALS Bottle#: 0 Worklist Smp#: 34
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub3

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 12-May-2017 16:49:02 Calib Date: 11-May-2017 21:24:09
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_232.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK011

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.318	1.319	-0.001	1263529	0.5000	0.5000	
2	1.615	1.616	-0.001	1111416	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1232							
1	2.119	2.122	-0.003	44000	0.5000	0.5315	
1	2.385	2.381	0.004	38995	0.5000	0.5141	
1	2.502	2.503	-0.001	14962	0.5000	0.4259	
1	2.675	2.678	-0.003	57106	0.5000	0.5006	
1	2.748	2.765	-0.017	23173	0.5000	0.4871	
		Average of Peak Amounts =				0.4919	
2	2.612	2.615	-0.003	29240	0.5000	0.5134	
2	2.935	2.937	-0.002	24389	0.5000	0.4901	
2	3.244	3.247	-0.003	41481	0.5000	0.4855	
2	3.364	3.364	0.000	14768	0.5000	0.4373	
2	3.743	3.745	-0.002	17895	0.5000	0.4696	
		Average of Peak Amounts =				0.4792	
						RPD = 2.61	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1262							
1	4.523	4.526	-0.003	86037	0.5000	0.5553	
1	4.707	4.712	-0.005	57612	0.5000	0.5204	
1	5.143	5.146	-0.003	49208	0.5000	0.5088	
1	5.200	5.203	-0.003	65363	0.5000	0.5349	
1	5.239	5.243	-0.004	101909	0.5000	0.4997	
		Average of Peak Amounts =				0.5238	
2	5.174	5.179	-0.005	70972	0.5000	0.5434	
2	5.445	5.447	-0.002	61615	0.5000	0.5255	
2	5.579	5.584	-0.005	147211	0.5000	0.5212	
2	5.907	5.911	-0.004	56250	0.5000	0.5393	
2	5.951	5.954	-0.003	109421	0.5000	0.5165	
		Average of Peak Amounts =				0.5292	
						RPD = 1.02	

Reagents:

32-62w/IS@0.5_00008 Amount Added: 1.00 Units: mL

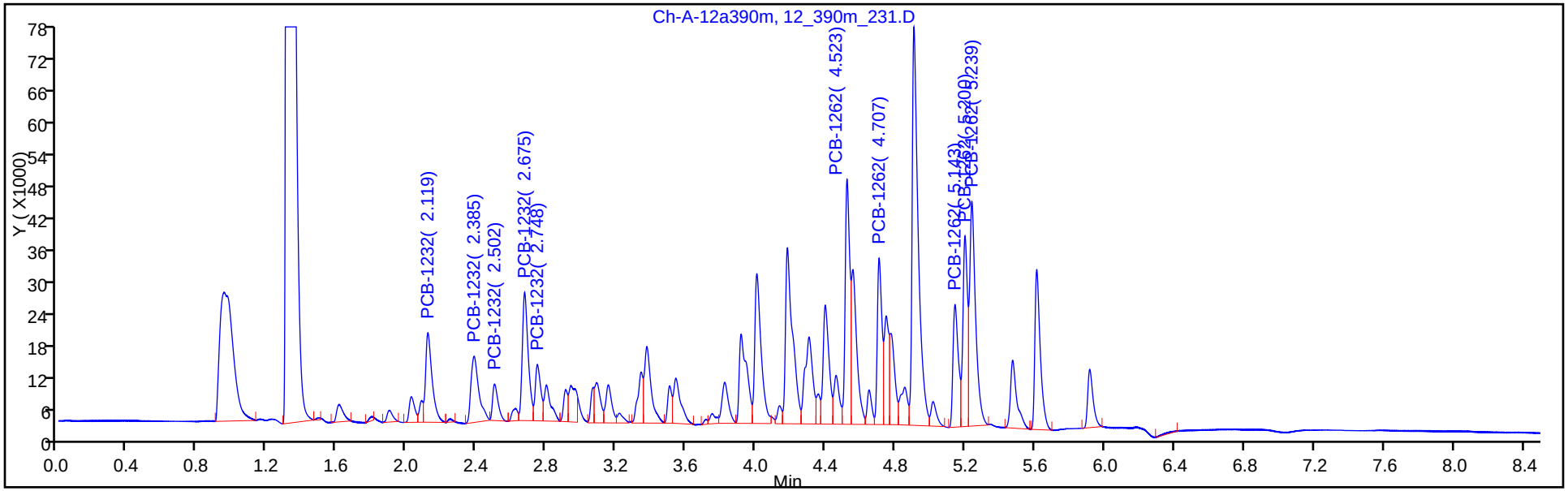
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TestAmerica Buffalo

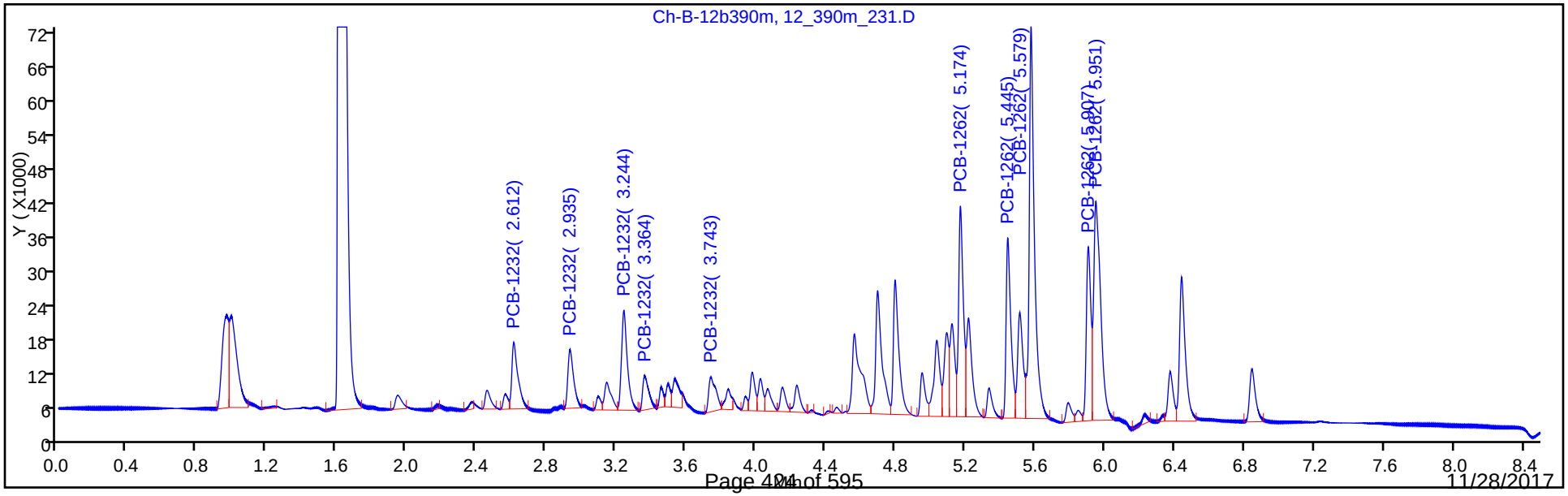
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Injection Date:	11-May-2017 21:08:50	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	34
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_232.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 11-May-2017 21:24:09 ALS Bottle#: 0 Worklist Smp#: 35
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub3

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 12-May-2017 16:49:05 Calib Date: 11-May-2017 21:24:09
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_232.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK011

First Level Reviewer: owenj Date: 12-May-2017 16:48:00

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.318	1.318	0.000	1314753	0.5000	0.5000	
2	1.615	1.615	0.000	1157801	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1232							M
1	2.122	2.122	0.000	2562	0.0200	0.0190	M
1	2.381	2.381	0.000	1893	0.0200	0.0196	M
1	2.503	2.503	0.000	897	0.0200	0.0222	M
1	2.678	2.678	0.000	2507	0.0200	0.0200	M
1	2.765	2.765	0.000	1504	0.0200	0.0204	M
		Average of Peak Amounts =				0.0202	
2	2.615	2.615	0.000	1228	0.0200	0.0196	M
2	2.937	2.937	0.000	1341	0.0200	0.0203	M
2	3.247	3.247	0.000	2393	0.0200	0.0204	M
2	3.364	3.364	0.000	830	0.0200	0.0219	M
2	3.745	3.745	0.000	1029	0.0200	0.0209	M
		Average of Peak Amounts =				0.0206	
						RPD = 1.88	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1262							
1	4.526	4.526	0.000	3384	0.0200	0.0183	
1	4.712	4.712	0.000	1604	0.0200	0.0194	
1	5.146	5.146	0.000	1939	0.0200	0.0197	
1	5.203	5.203	0.000	2684	0.0200	0.0189	
1	5.243	5.243	0.000	3760	0.0200	0.0200	
		Average of Peak Amounts =				0.0193	
2	5.179	5.179	0.000	2756	0.0200	0.0187	
2	5.447	5.447	0.000	2129	0.0200	0.0192	
2	5.584	5.584	0.000	4469	0.0200	0.0194	
2	5.911	5.911	0.000	1744	0.0200	0.0188	
2	5.954	5.954	0.000	2041	0.0200	0.0195	
		Average of Peak Amounts =				0.0191	
						RPD = 0.85	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

32-62w/IS@.02_00005 Amount Added: 1.00 Units: mL

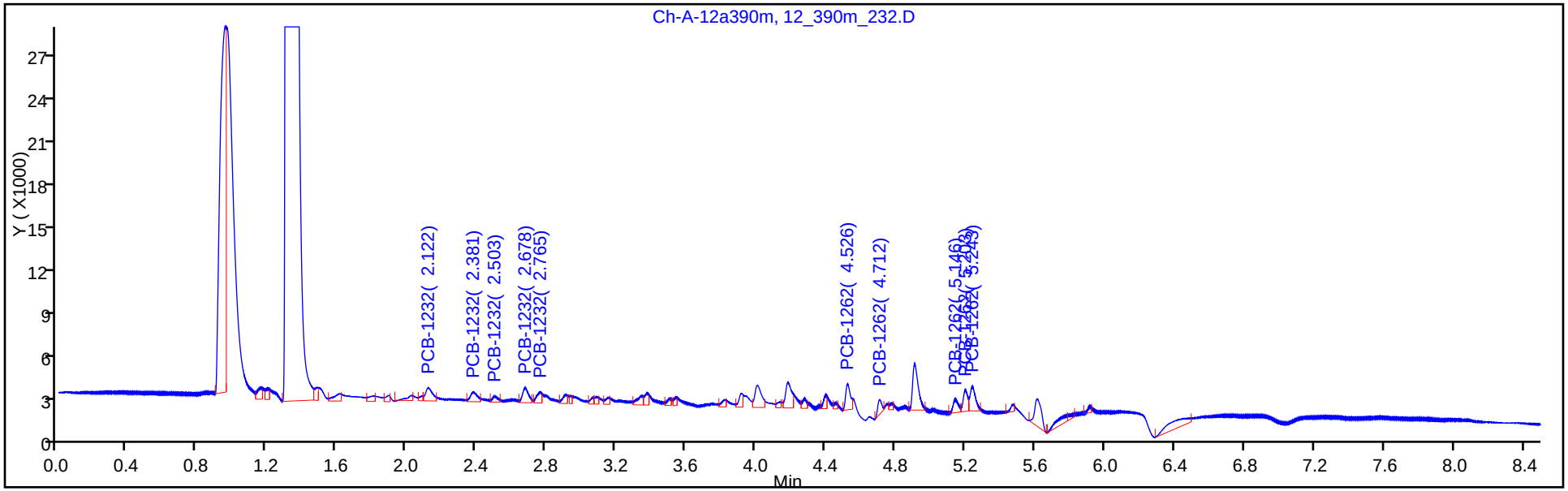
Report Date: 12-May-2017 16:49:05 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

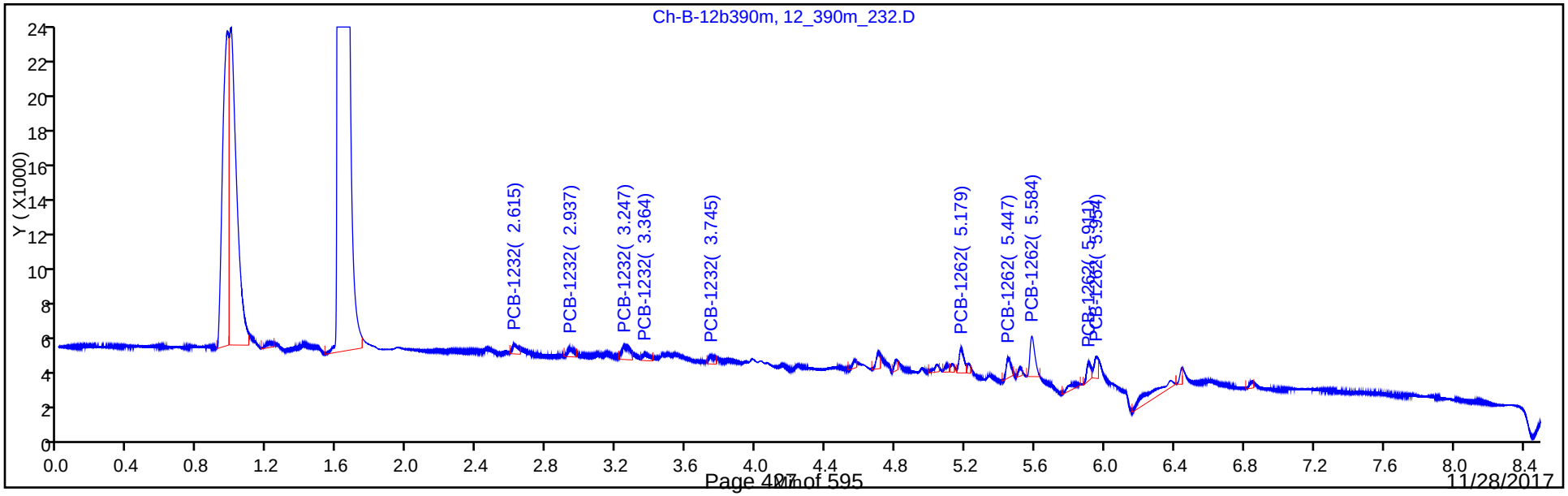
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Injection Date:	11-May-2017 21:24:09	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 1			Worklist Smp#:	35
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Report Date: 12-May-2017 16:49:05 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_232.D

Injection Date: 11-May-2017 21:24:09 Instrument ID: HP5890-12

Lims ID: IC 1

Client ID:

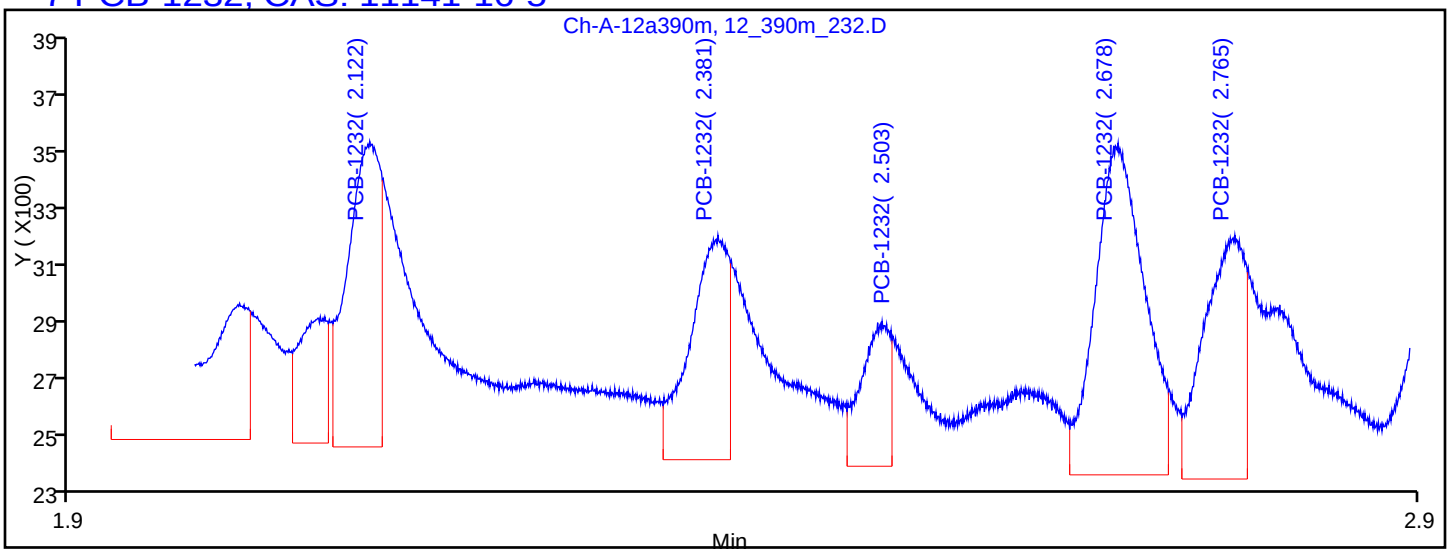
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 35

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

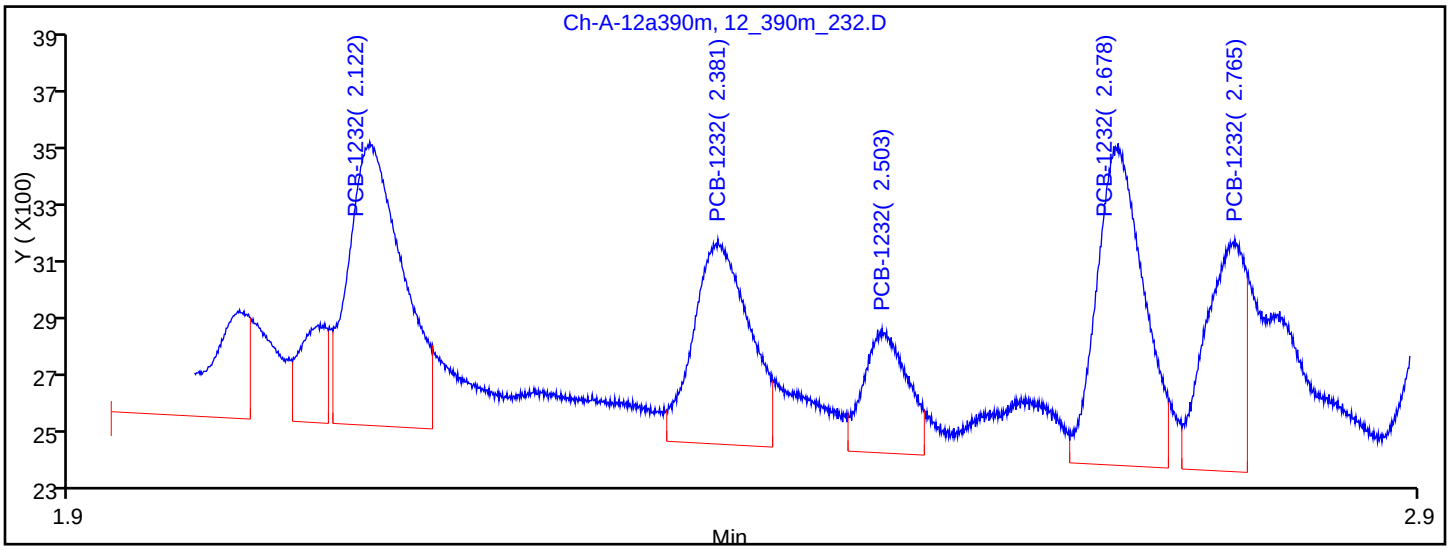
Column: Detector Ch-A-7A136

7 PCB-1232, CAS: 11141-16-5



Processing Integration Results

2.122	Response = 1719
2.381	Response = 1469
2.503	Response = 719
2.678	Response = 2822
2.765	Response = 1704



Manual Integration Results

2.122	Response = 2562	M
2.381	Response = 1893	M
2.503	Response = 897	M
2.678	Response = 2507	M
2.765	Response = 1504	M

Reviewer: owenj, 12-May-2017 16:45:54

Audit Action: Assigned New Baseline Audit Reason: Split Peak

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1 Analy Batch No.: 356902

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/11/2017 20:53 Calibration End Date: 05/11/2017 21:24 Calibration ID: 30534

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-356902/35	12_390m_232.D
Level 2	IC 480-356902/34	12_390m_231.D
Level 3	IC 480-356902/33	12_390m_230.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3				B	M1	M2								
PCB-1232 Peak 1	0.0265	0.0263	0.0254			Lin1	0	0.0256							1.0000		0.9900
PCB-1232 Peak 2	0.0290	0.0219	0.0223			Lin1	0.0001	0.0221							1.0000		0.9900
PCB-1232 Peak 3	0.0517	0.0373	0.0383			Lin1	0.0003	0.0379							1.0000		0.9900
PCB-1232 Peak 4	0.0179	0.0133	0.0156			Lin1	0	0.0151							0.9960		0.9900
PCB-1232 Peak 5	0.0222	0.0161	0.0172			Lin1	0.0001	0.0170							0.9990		0.9900
PCB-1262 Peak 1	0.0595	0.0639	0.0574			Lin1	0.0001	0.0586							0.9980		0.9900
PCB-1262 Peak 2	0.0460	0.0554	0.0522			Lin1	0	0.0529							0.9990		0.9900
PCB-1262 Peak 3	0.0965	0.1325	0.1265			Lin1	-0.001	0.1281							1.0000		0.9900
PCB-1262 Peak 4	0.0377	0.0506	0.0462			Lin1	0	0.0472							0.9980		0.9900
PCB-1262 Peak 5	0.0441	0.0985	0.0960			Lin1	-0.001	0.0973							1.0000		0.9900

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1 Analy Batch No.: 356902

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/11/2017 20:53 Calibration End Date: 05/11/2017 21:24 Calibration ID: 30534

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-356902/35	12_390m_232.D
Level 2	IC 480-356902/34	12_390m_231.D
Level 3	IC 480-356902/33	12_390m_230.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
PCB-1232 Peak 1	BNB	Lin1	1228	29240	120208			0.0200	0.500	2.00		
PCB-1232 Peak 2	BNB	Lin1	1341	24389	105453			0.0200	0.500	2.00		
PCB-1232 Peak 3	BNB	Lin1	2393	41481	181184			0.0200	0.500	2.00		
PCB-1232 Peak 4	BNB	Lin1	830	14768	73808			0.0200	0.500	2.00		
PCB-1232 Peak 5	BNB	Lin1	1029	17895	81592			0.0200	0.500	2.00		
PCB-1262 Peak 1	BNB	Lin1	2756	70972	271510			0.0200	0.500	2.00		
PCB-1262 Peak 2	BNB	Lin1	2129	61615	247106			0.0200	0.500	2.00		
PCB-1262 Peak 3	BNB	Lin1	4469	147211	598558			0.0200	0.500	2.00		
PCB-1262 Peak 4	BNB	Lin1	1744	56250	218572			0.0200	0.500	2.00		
PCB-1262 Peak 5	BNB	Lin1	2041	109421	454044			0.0200	0.500	2.00		

Curve Type Legend:
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_230.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 11-May-2017 20:53:28 ALS Bottle#: 0 Worklist Smp#: 33
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub3

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 12-May-2017 16:48:59 Calib Date: 11-May-2017 21:24:09
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_232.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK011

First Level Reviewer: owenj Date: 12-May-2017 16:44:46

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.318	1.319	-0.001	1343483	0.5000	0.5000	
2	1.615	1.616	-0.001	1182649	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1232							
1	2.117	2.122	-0.005	170718	2.00	1.97	
1	2.383	2.381	0.002	159128	2.00	1.99	
1	2.500	2.503	-0.003	77043	2.00	2.07	
1	2.673	2.678	-0.005	242066	2.00	2.00	
1	2.745	2.765	-0.020	100143	2.00	2.01	
		Average of Peak Amounts =				2.01	
2	2.609	2.615	-0.006	120208	2.00	1.99	
2	2.931	2.937	-0.006	105453	2.00	2.01	
2	3.241	3.247	-0.006	181184	2.00	2.01	
2	3.359	3.364	-0.005	73808	2.00	2.06	
2	3.739	3.745	-0.006	81592	2.00	2.03	
		Average of Peak Amounts =				2.02	
						RPD = 0.61	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1262							
1	4.521	4.526	-0.005	319527	2.00	1.95	
1	4.705	4.712	-0.007	234993	2.00	1.98	
1	5.141	5.146	-0.005	204942	2.00	1.99	
1	5.198	5.203	-0.005	254650	2.00	1.97	
1	5.238	5.243	-0.005	435290	2.00	2.00	
		Average of Peak Amounts =				1.98	
2	5.171	5.179	-0.008	271510	2.00	1.96	
2	5.442	5.447	-0.005	247106	2.00	1.98	
2	5.577	5.584	-0.007	598558	2.00	1.98	
2	5.904	5.911	-0.007	218572	2.00	1.96	a
2	5.947	5.954	-0.007	454044	2.00	1.98	a
		Average of Peak Amounts =				1.97	
						RPD = 0.26	

Reagents:

32-62w/IS@2.0_00005 Amount Added: 1.00 Units: mL

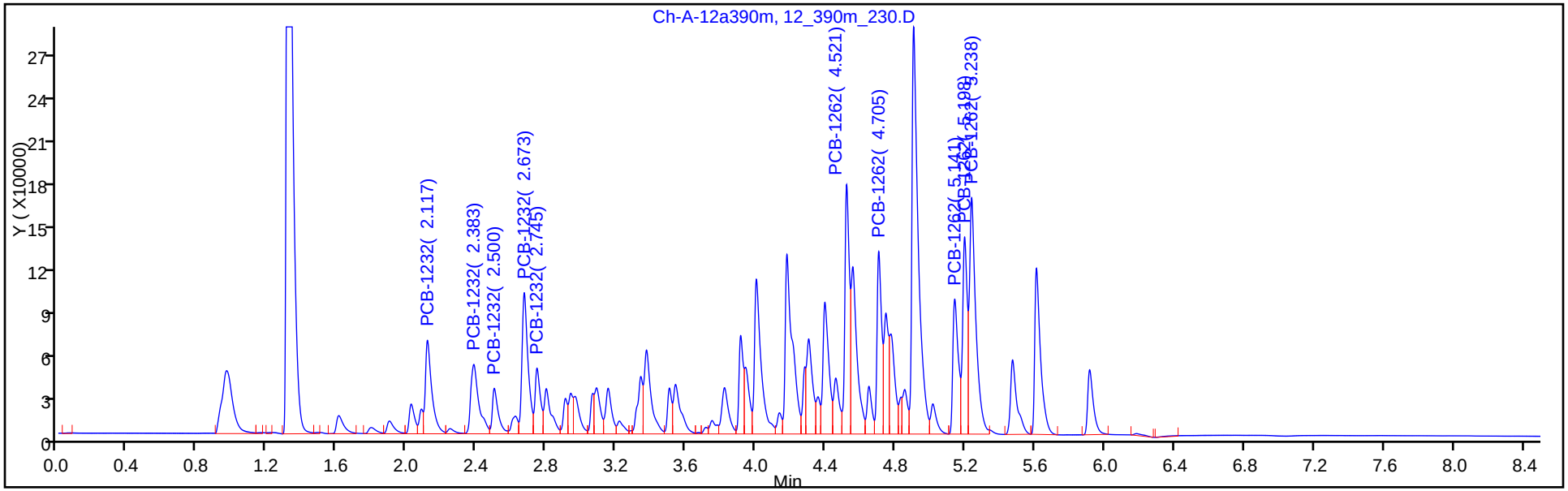
Report Date: 12-May-2017 16:48:59 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

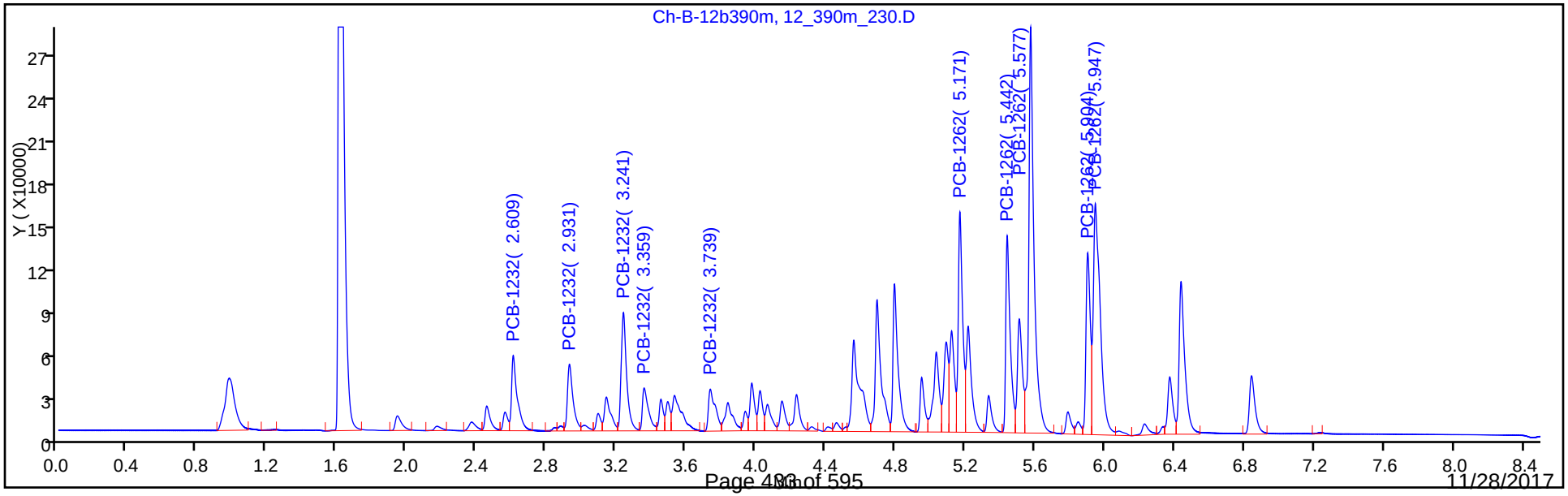
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_230.D

Injection Date:	11-May-2017 20:53:28	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	33
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_231.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 11-May-2017 21:08:50 ALS Bottle#: 0 Worklist Smp#: 34
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub3

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 12-May-2017 16:49:02 Calib Date: 11-May-2017 21:24:09
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_232.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK011

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.318	1.319	-0.001	1263529	0.5000	0.5000	
2	1.615	1.616	-0.001	1111416	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1232							
1	2.119	2.122	-0.003	44000	0.5000	0.5315	
1	2.385	2.381	0.004	38995	0.5000	0.5141	
1	2.502	2.503	-0.001	14962	0.5000	0.4259	
1	2.675	2.678	-0.003	57106	0.5000	0.5006	
1	2.748	2.765	-0.017	23173	0.5000	0.4871	
		Average of Peak Amounts =				0.4919	
2	2.612	2.615	-0.003	29240	0.5000	0.5134	
2	2.935	2.937	-0.002	24389	0.5000	0.4901	
2	3.244	3.247	-0.003	41481	0.5000	0.4855	
2	3.364	3.364	0.000	14768	0.5000	0.4373	
2	3.743	3.745	-0.002	17895	0.5000	0.4696	
		Average of Peak Amounts =				0.4792	
						RPD = 2.61	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1262							
1	4.523	4.526	-0.003	86037	0.5000	0.5553	
1	4.707	4.712	-0.005	57612	0.5000	0.5204	
1	5.143	5.146	-0.003	49208	0.5000	0.5088	
1	5.200	5.203	-0.003	65363	0.5000	0.5349	
1	5.239	5.243	-0.004	101909	0.5000	0.4997	
		Average of Peak Amounts =				0.5238	
2	5.174	5.179	-0.005	70972	0.5000	0.5434	
2	5.445	5.447	-0.002	61615	0.5000	0.5255	
2	5.579	5.584	-0.005	147211	0.5000	0.5212	
2	5.907	5.911	-0.004	56250	0.5000	0.5393	
2	5.951	5.954	-0.003	109421	0.5000	0.5165	
		Average of Peak Amounts =				0.5292	
						RPD = 1.02	

Reagents:

32-62w/IS@0.5_00008 Amount Added: 1.00 Units: mL

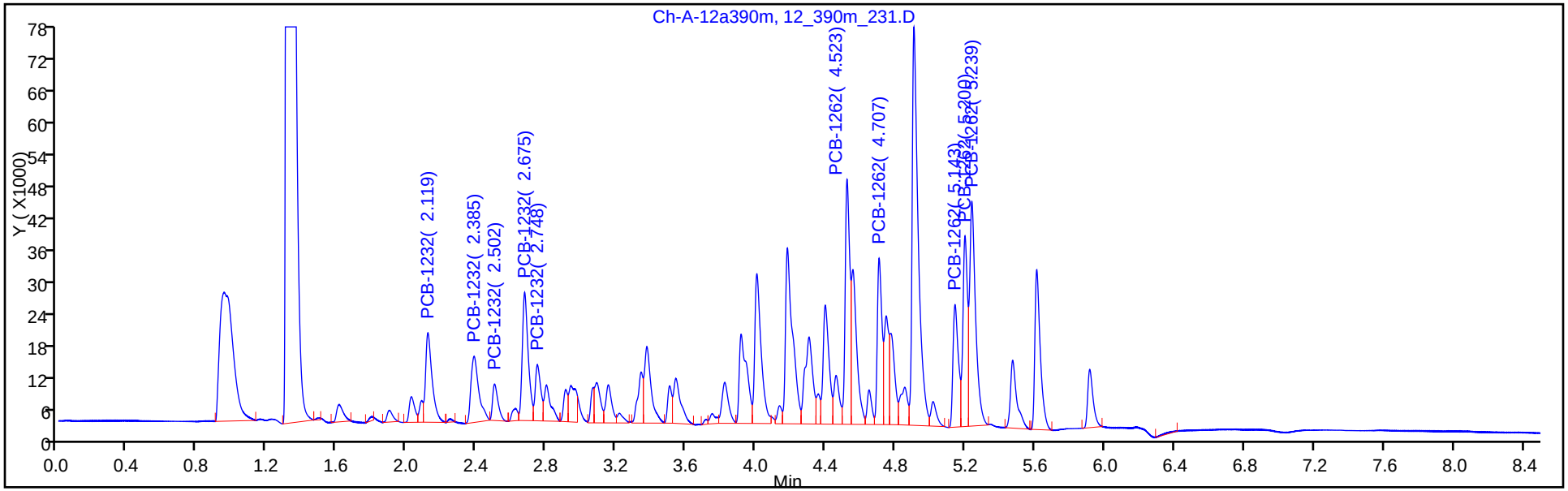
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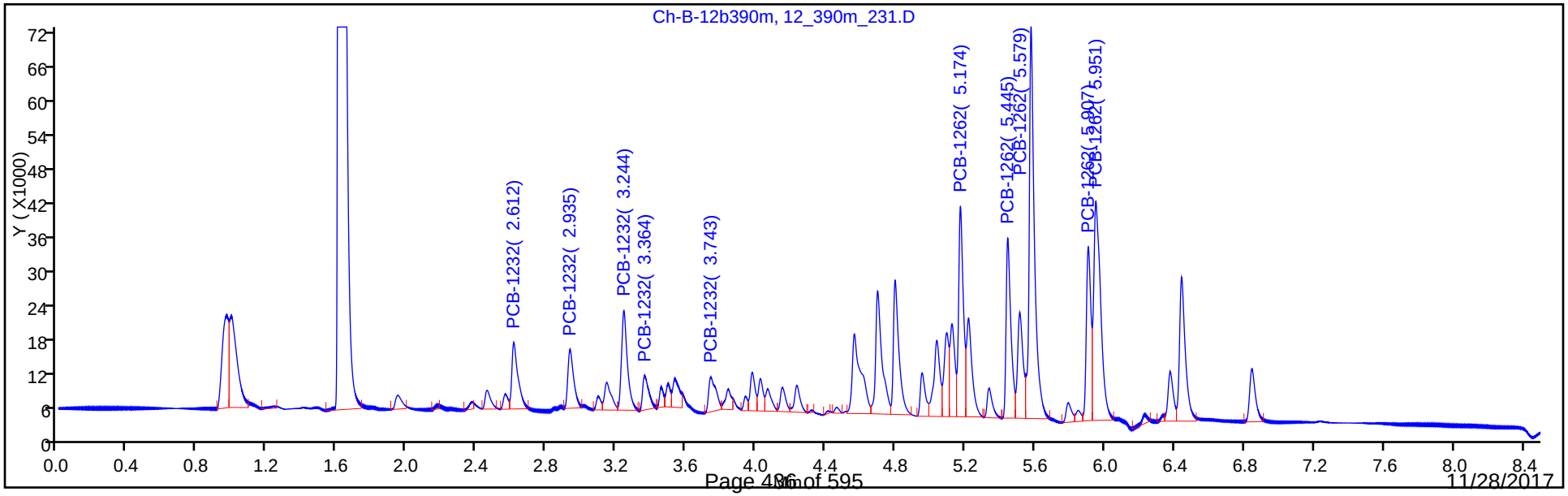
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Injection Date:	11-May-2017 21:08:50	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	34
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_232.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 11-May-2017 21:24:09 ALS Bottle#: 0 Worklist Smp#: 35
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub3

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 12-May-2017 16:49:05 Calib Date: 11-May-2017 21:24:09
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_232.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK011

First Level Reviewer: owenj Date: 12-May-2017 16:48:00

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.318	1.318	0.000	1314753	0.5000	0.5000	
2	1.615	1.615	0.000	1157801	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1232							M
1	2.122	2.122	0.000	2562	0.0200	0.0190	M
1	2.381	2.381	0.000	1893	0.0200	0.0196	M
1	2.503	2.503	0.000	897	0.0200	0.0222	M
1	2.678	2.678	0.000	2507	0.0200	0.0200	M
1	2.765	2.765	0.000	1504	0.0200	0.0204	M
		Average of Peak Amounts =				0.0202	
2	2.615	2.615	0.000	1228	0.0200	0.0196	M
2	2.937	2.937	0.000	1341	0.0200	0.0203	M
2	3.247	3.247	0.000	2393	0.0200	0.0204	M
2	3.364	3.364	0.000	830	0.0200	0.0219	M
2	3.745	3.745	0.000	1029	0.0200	0.0209	M
		Average of Peak Amounts =				0.0206	
						RPD = 1.88	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1262							
1	4.526	4.526	0.000	3384	0.0200	0.0183	
1	4.712	4.712	0.000	1604	0.0200	0.0194	
1	5.146	5.146	0.000	1939	0.0200	0.0197	
1	5.203	5.203	0.000	2684	0.0200	0.0189	
1	5.243	5.243	0.000	3760	0.0200	0.0200	
		Average of Peak Amounts =				0.0193	
2	5.179	5.179	0.000	2756	0.0200	0.0187	
2	5.447	5.447	0.000	2129	0.0200	0.0192	
2	5.584	5.584	0.000	4469	0.0200	0.0194	
2	5.911	5.911	0.000	1744	0.0200	0.0188	
2	5.954	5.954	0.000	2041	0.0200	0.0195	
		Average of Peak Amounts =				0.0191	
						RPD = 0.85	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

32-62w/IS@.02_00005 Amount Added: 1.00 Units: mL

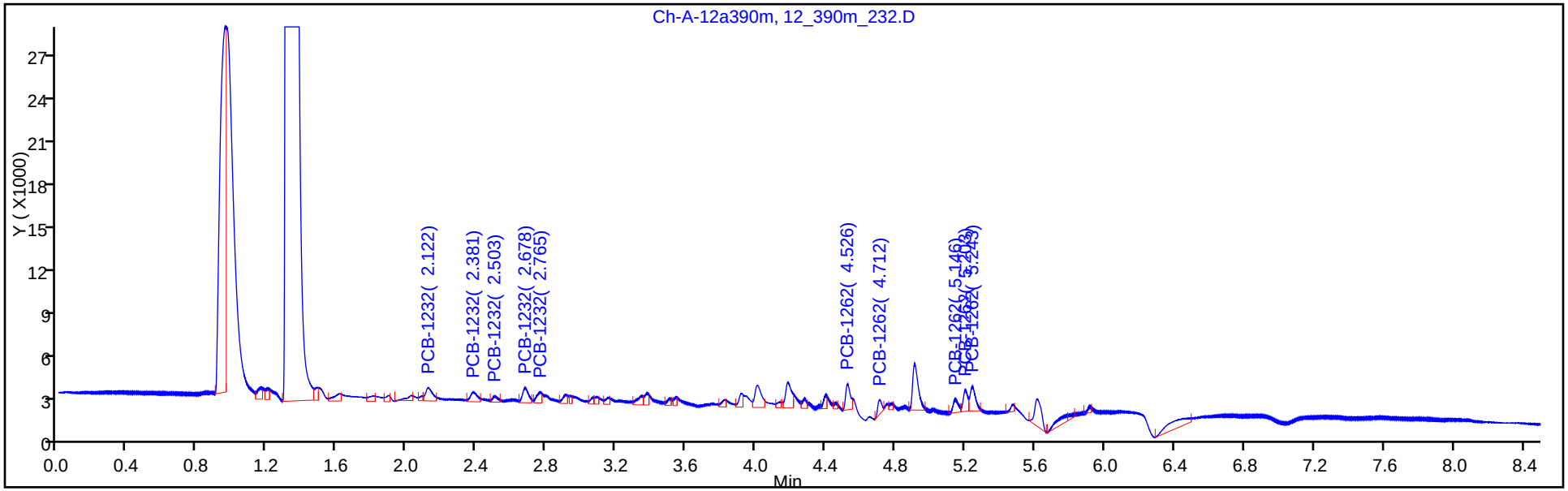
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TestAmerica Buffalo

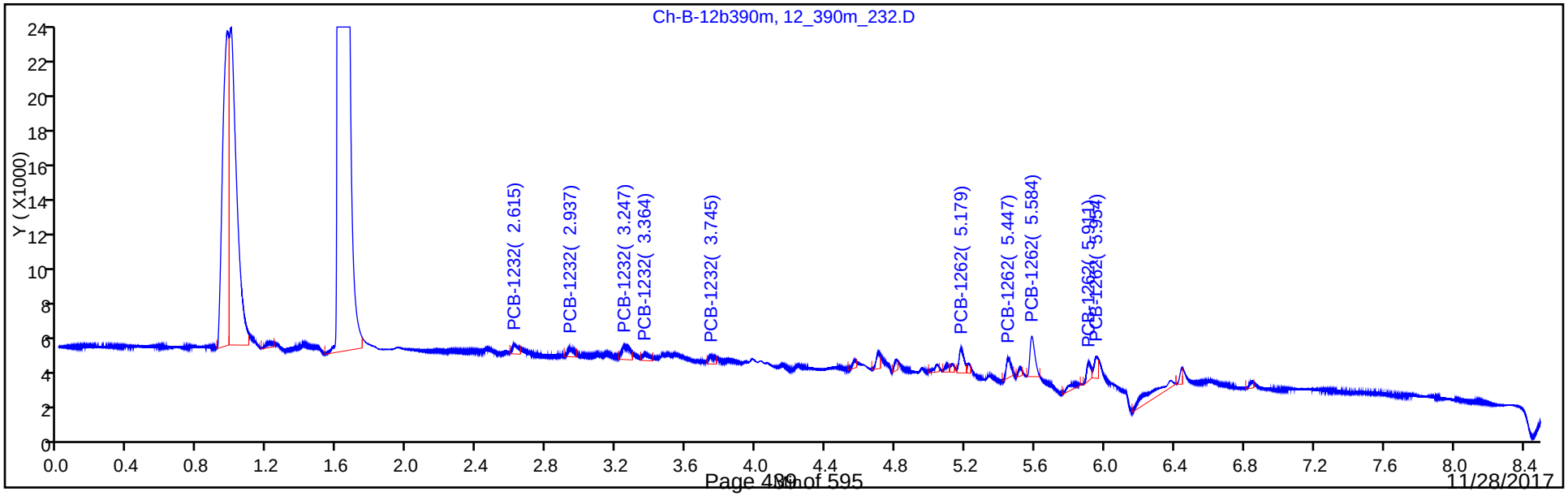
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Injection Date:	11-May-2017 21:24:09	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 1			Worklist Smp#:	35
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Report Date: 12-May-2017 16:49:05 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170511-62436.b\12_390m_232.D

Injection Date: 11-May-2017 21:24:09 Instrument ID: HP5890-12

Lims ID: IC 1

Client ID:

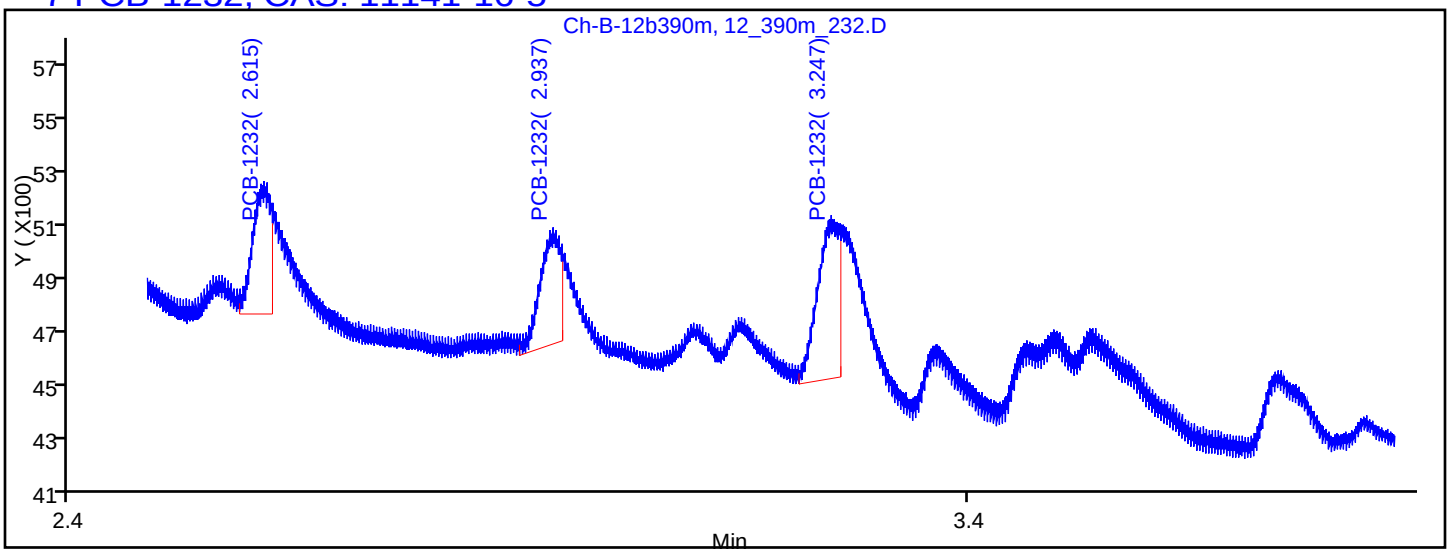
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Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

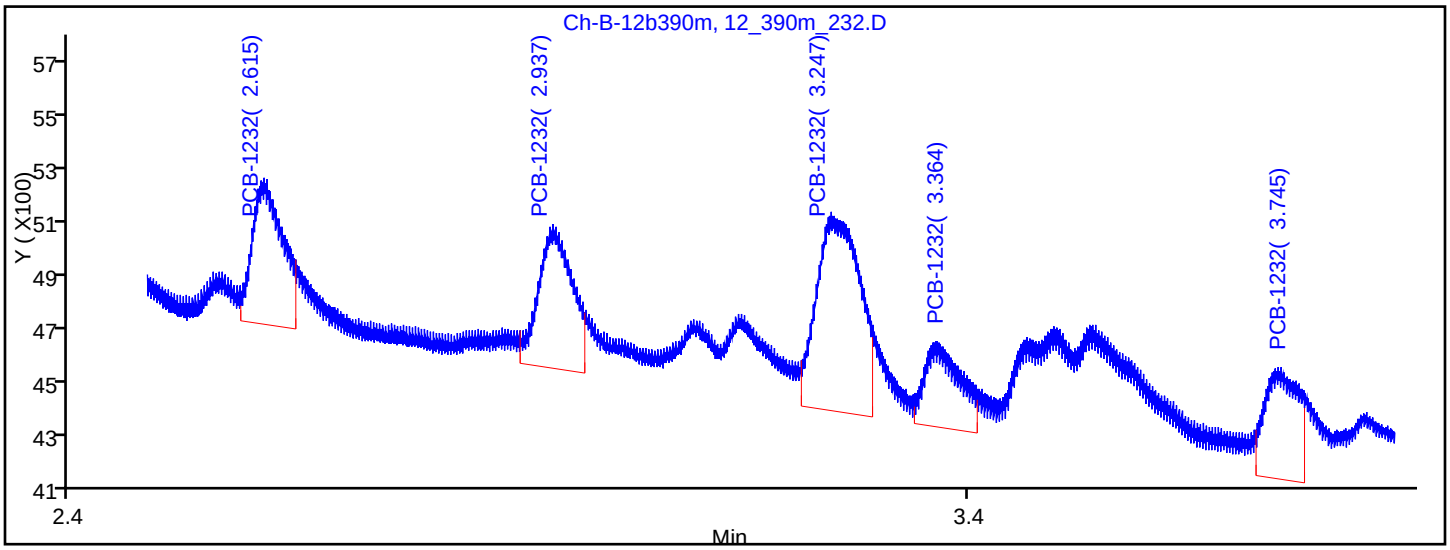
Column: Detector Ch-B-7b136

7 PCB-1232, CAS: 11141-16-5



Processing Integration Results

2.615	Response = 644
2.937	Response = 649
3.247	Response = 968
3.364	Response = 0
3.745	Response = 0



Manual Integration Results

2.615	Response = 1228	M
2.937	Response = 1341	M
3.247	Response = 2393	M
3.364	Response = 830	M
3.745	Response = 1029	M

Reviewer: owenj, 12-May-2017 16:45:47

Audit Action: Assigned New Baseline Audit Reason: Split Peak

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1 Analy Batch No.: 357246

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/13/2017 11:27 Calibration End Date: 05/13/2017 12:34 Calibration ID: 30549

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-357246/6	12_390m_253.D
Level 2	IC 480-357246/5	12_390m_252.D
Level 3	IC 480-357246/4	12_390m_251.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3				B	M1	M2								
PCB-1242 Peak 1	0.0963	0.0848	0.0760			Lin1	0.0005	0.0774							0.9980		0.9900
PCB-1242 Peak 2	0.0482	0.0346	0.0309			Lin1	0.0004	0.0313							0.9980		0.9900
PCB-1242 Peak 3	0.0485	0.0304	0.0286			Lin1	0.0004	0.0286							1.0000		0.9900
PCB-1242 Peak 4	0.0662	0.0526	0.0464			Lin1	0.0004	0.0473							0.9980		0.9900
PCB-1242 Peak 5	0.0246	0.0221	0.0207			Lin1	0.0001	0.0209							0.9990		0.9900
PCB-1268 Peak 1	0.1631	0.1234	0.0992			Lin1	0.0015	0.1028							0.9920		0.9900
PCB-1268 Peak 2	0.2473	0.2194	0.1994			Lin1	0.0011	0.2025							0.9990		0.9900
PCB-1268 Peak 3	0.1681	0.1300	0.1103			Lin1	0.0013	0.1131							0.9960		0.9900
PCB-1268 Peak 4	0.0695	0.0585	0.0554			Lin1	0.0003	0.0558							1.0000		0.9900
PCB-1268 Peak 5	0.5121	0.4283	0.3626			Lin1	0.0035	0.3726							0.9950		0.9900

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1 Analy Batch No.: 357246

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/13/2017 11:27 Calibration End Date: 05/13/2017 12:34 Calibration ID: 30549

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-357246/6	12_390m_253.D
Level 2	IC 480-357246/5	12_390m_252.D
Level 3	IC 480-357246/4	12_390m_251.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
PCB-1242 Peak 1	BNB	Lin1	4897	103486	369463			0.0200	0.500	2.00		
PCB-1242 Peak 2	BNB	Lin1	2454	42207	150036			0.0200	0.500	2.00		
PCB-1242 Peak 3	BNB	Lin1	2465	37091	138818			0.0200	0.500	2.00		
PCB-1242 Peak 4	BNB	Lin1	3369	64171	225700			0.0200	0.500	2.00		
PCB-1242 Peak 5	BNB	Lin1	1254	27016	100501			0.0200	0.500	2.00		
PCB-1268 Peak 1	BNB	Lin1	8298	150697	482272			0.0200	0.500	2.00		
PCB-1268 Peak 2	BNB	Lin1	12580	267924	969217			0.0200	0.500	2.00		
PCB-1268 Peak 3	BNB	Lin1	8550	158677	536077			0.0200	0.500	2.00		
PCB-1268 Peak 4	BNB	Lin1	3536	71488	269307			0.0200	0.500	2.00		
PCB-1268 Peak 5	BNB	Lin1	26053	522912	1762050			0.0200	0.500	2.00		

Curve Type Legend:
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_251.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 13-May-2017 11:27:32 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub4

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:44:07 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 15-May-2017 13:14:01

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.319	1.319	0.000	1214930	0.5000	0.5000	
2	1.615	1.617	-0.002	1088987	0.5000	0.5000	
						RPD = 0.00	
8 PCB-1242							M
1	2.672	2.690	-0.018	369463	2.00	1.96	
1	2.745	2.763	-0.018	150036	2.00	1.96	
1	3.153	3.170	-0.017	138818	2.00	1.98	
1	3.371	3.390	-0.019	225700	2.00	1.96	
1	3.505	3.521	-0.016	100501	2.00	1.98	
		Average of Peak Amounts =				1.97	
2	3.241	3.253	-0.012	293045	2.00	2.00	M
2	3.359	3.369	-0.010	122283	2.00	2.01	M
2	3.534	3.544	-0.010	141804	2.00	1.96	M
2	3.739	3.751	-0.012	144501	2.00	1.97	M
2	3.977	3.987	-0.010	113131	2.00	1.99	M
		Average of Peak Amounts =				1.99	
						RPD = 0.94	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
14 PCB-1268							
1	5.197	5.216	-0.019	482272	2.00	1.92	
1	5.235	5.255	-0.020	969217	2.00	1.96	
1	5.458	5.476	-0.018	536077	2.00	1.94	
1	5.609	5.627	-0.018	269307	2.00	1.98	
1	5.911	5.932	-0.021	1762050	2.00	1.94	
		Average of Peak Amounts =				1.95	
2	5.902	5.919	-0.017	456518	2.00	1.96	
2	5.946	5.961	-0.015	650993	2.00	1.95	
2	6.225	6.240	-0.015	463744	2.00	1.95	
2	6.441	6.457	-0.016	226844	2.00	1.97	
2	6.841	6.859	-0.018	1506102	2.00	1.94	
		Average of Peak Amounts =				1.95	
						RPD = 0.36	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

42-68w/IS@2.0_00005 Amount Added: 1.00 Units: mL

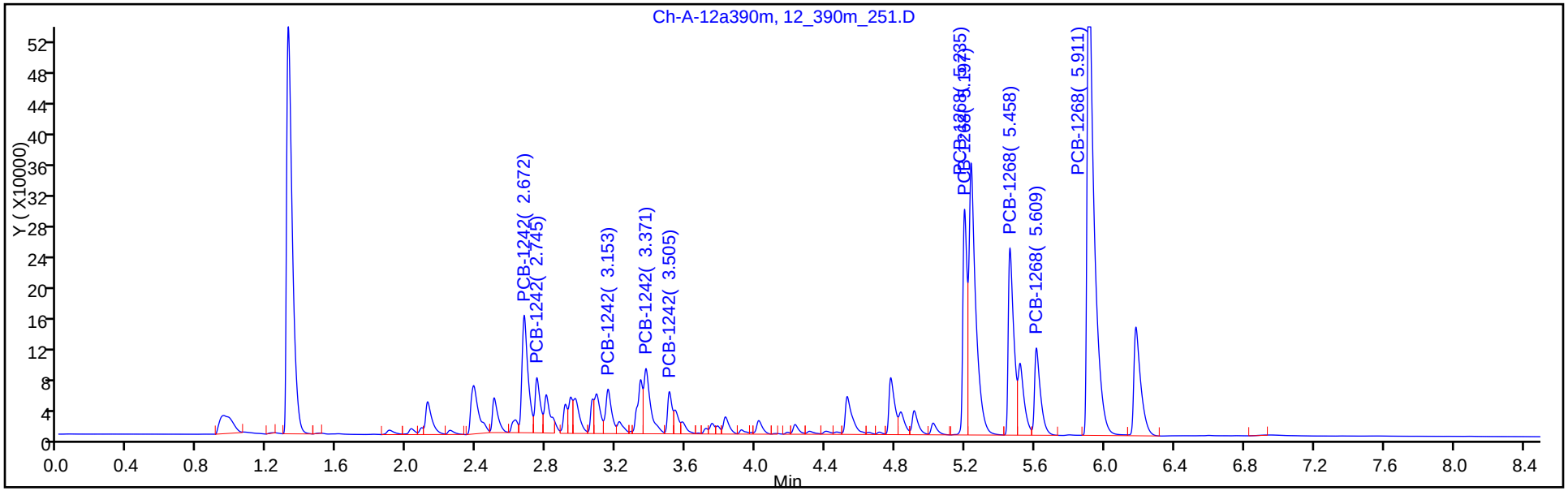
Report Date: 15-May-2017 13:44:07 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

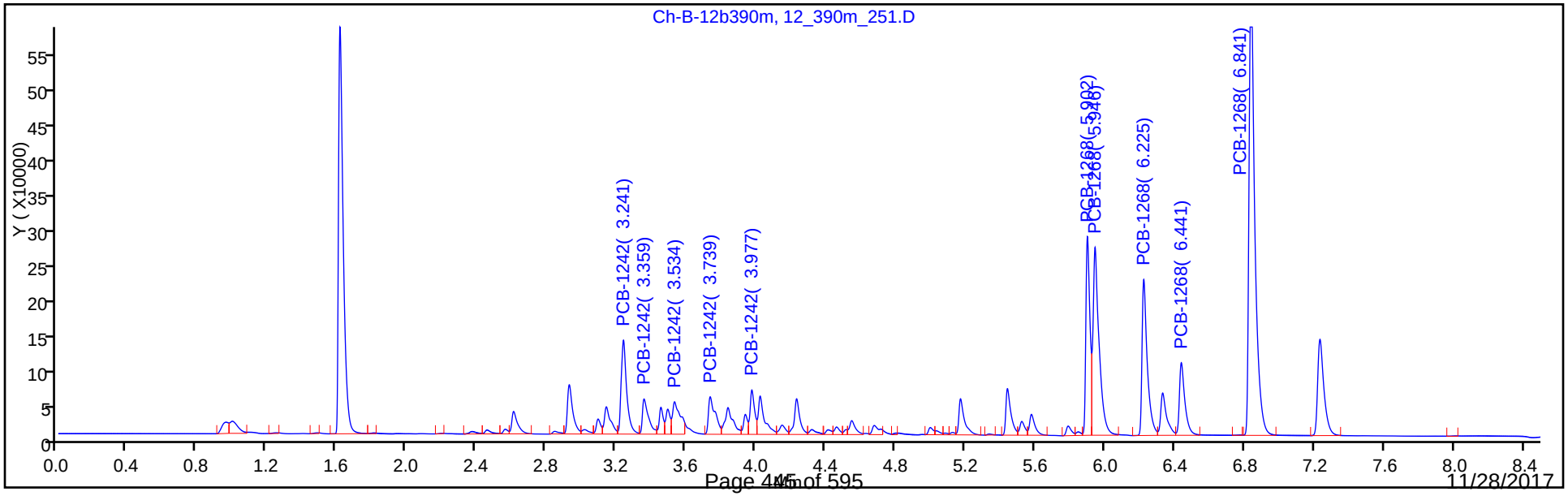
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Injection Date:	13-May-2017 11:27:32	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_252.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 13-May-2017 11:42:54 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub4

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:44:09 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 15-May-2017 13:14:19

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.319	1.319	0.000	1220981	0.5000	0.5000	
2	1.616	1.617	-0.001	1077513	0.5000	0.5000	
						RPD = 0.00	
8 PCB-1242							M
1	2.675	2.690	-0.015	103486	0.5000	0.5417	
1	2.748	2.763	-0.015	42207	0.5000	0.5402	
1	3.155	3.170	-0.015	37091	0.5000	0.5168	
1	3.373	3.390	-0.017	64171	0.5000	0.5464	
1	3.507	3.521	-0.014	27016	0.5000	0.5252	
		Average of Peak Amounts =				0.5341	
2	3.244	3.253	-0.009	73080	0.5000	0.5008	
2	3.363	3.369	-0.006	29671	0.5000	0.4913	
2	3.537	3.544	-0.007	39423	0.5000	0.5404	M
2	3.743	3.751	-0.008	38454	0.5000	0.5271	
2	3.981	3.987	-0.006	29307	0.5000	0.5149	
		Average of Peak Amounts =				0.5149	
						RPD = 3.65	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
14 PCB-1268							
1	5.200	5.216	-0.016	150697	0.5000	0.5860	
1	5.237	5.255	-0.018	267924	0.5000	0.5364	
1	5.460	5.476	-0.016	158677	0.5000	0.5629	
1	5.612	5.627	-0.015	71488	0.5000	0.5193	
1	5.913	5.932	-0.019	522912	0.5000	0.5652	
		Average of Peak Amounts =				0.5540	
2	5.905	5.919	-0.014	125712	0.5000	0.5410	
2	5.949	5.961	-0.012	181615	0.5000	0.5471	
2	6.229	6.240	-0.011	130605	0.5000	0.5529	
2	6.445	6.457	-0.012	60113	0.5000	0.5303	
2	6.844	6.859	-0.015	437177	0.5000	0.5627	
		Average of Peak Amounts =				0.5468	
						RPD = 1.30	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

42-68w/IS@0.5_00008 Amount Added: 1.00 Units: mL

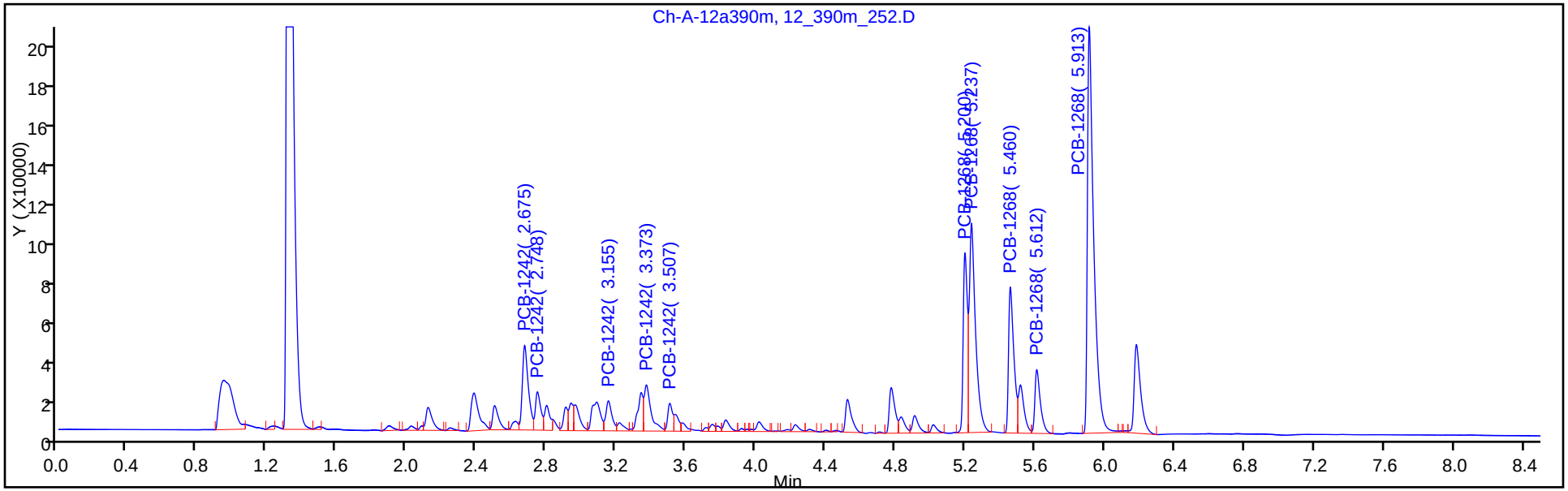
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TestAmerica Buffalo

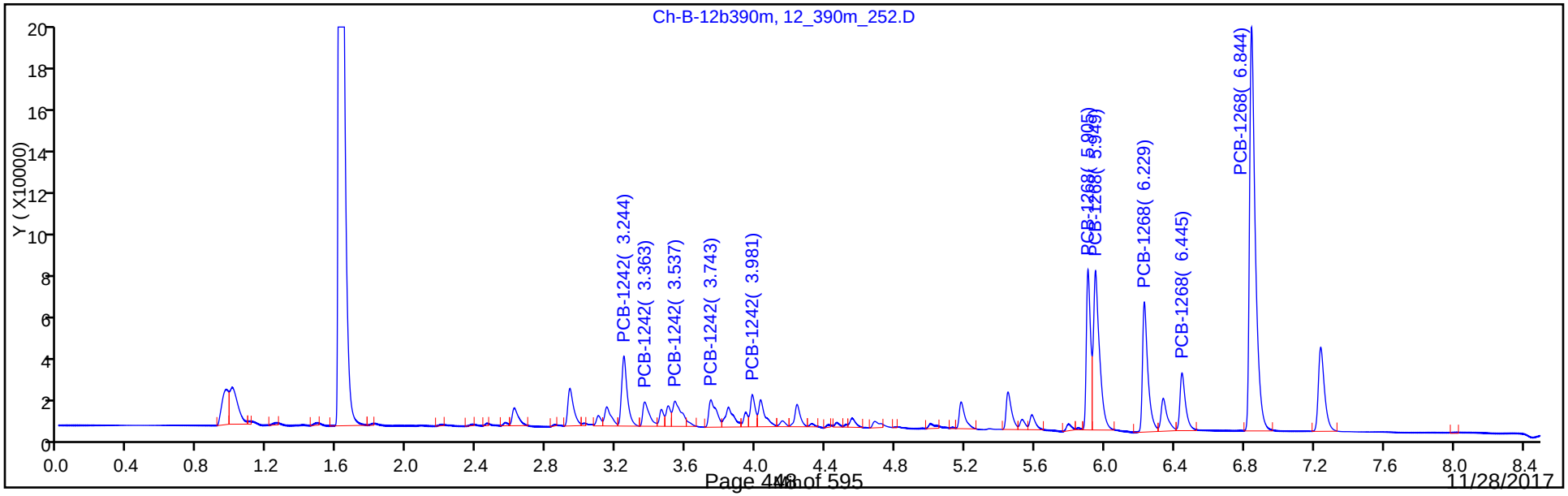
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Injection Date:	13-May-2017 11:42:54	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_253.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 13-May-2017 12:34:01 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub4

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:44:12 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 15-May-2017 13:16:03

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.321	1.321	0.000	1271814	0.5000	0.5000	
2	1.618	1.618	0.000	1099341	0.5000	0.5000	
						RPD = 0.00	
8 PCB-1242							M
1	2.690	2.690	0.000	4897	0.0200	0.0187	M
1	2.763	2.763	0.000	2454	0.0200	0.0188	M
1	3.170	3.170	0.000	2465	0.0200	0.0195	M
1	3.390	3.390	0.000	3369	0.0200	0.0186	
1	3.521	3.521	0.000	1254	0.0200	0.0192	
		Average of Peak Amounts =				0.0190	
2	3.253	3.253	0.000	3546	0.0200	0.0200	M
2	3.369	3.369	0.000	1345	0.0200	0.0203	M
2	3.544	3.544	0.000	2425	0.0200	0.0188	M
2	3.751	3.751	0.000	1788	0.0200	0.0192	M
2	3.987	3.987	0.000	1500	0.0200	0.0195	M
		Average of Peak Amounts =				0.0195	
						RPD = 3.01	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
14 PCB-1268							M
1	5.216	5.216	0.000	8298	0.0200	0.0174	M
1	5.255	5.255	0.000	12580	0.0200	0.0189	M
1	5.476	5.476	0.000	8550	0.0200	0.0181	M
1	5.627	5.627	0.000	3536	0.0200	0.0194	M
1	5.932	5.932	0.000	26053	0.0200	0.0180	M
		Average of Peak Amounts =				0.0184	
2	5.919	5.919	0.000	5858	0.0200	0.0188	
2	5.961	5.961	0.000	8035	0.0200	0.0186	
2	6.240	6.240	0.000	5017	0.0200	0.0184	M
2	6.457	6.457	0.000	1812	0.0200	0.0191	M
2	6.859	6.859	0.000	21028	0.0200	0.0181	
		Average of Peak Amounts =				0.0186	
						RPD = 1.17	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

42-68w/IS@.02_00005 Amount Added: 1.00 Units: mL

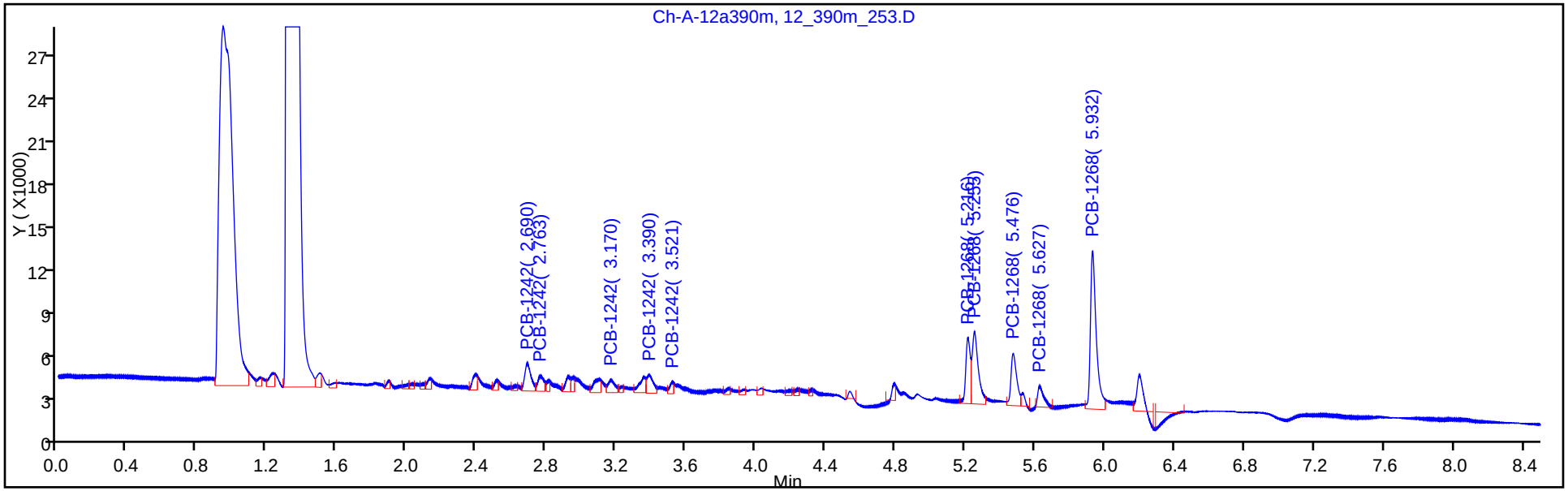
Report Date: 15-May-2017 13:44:12 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

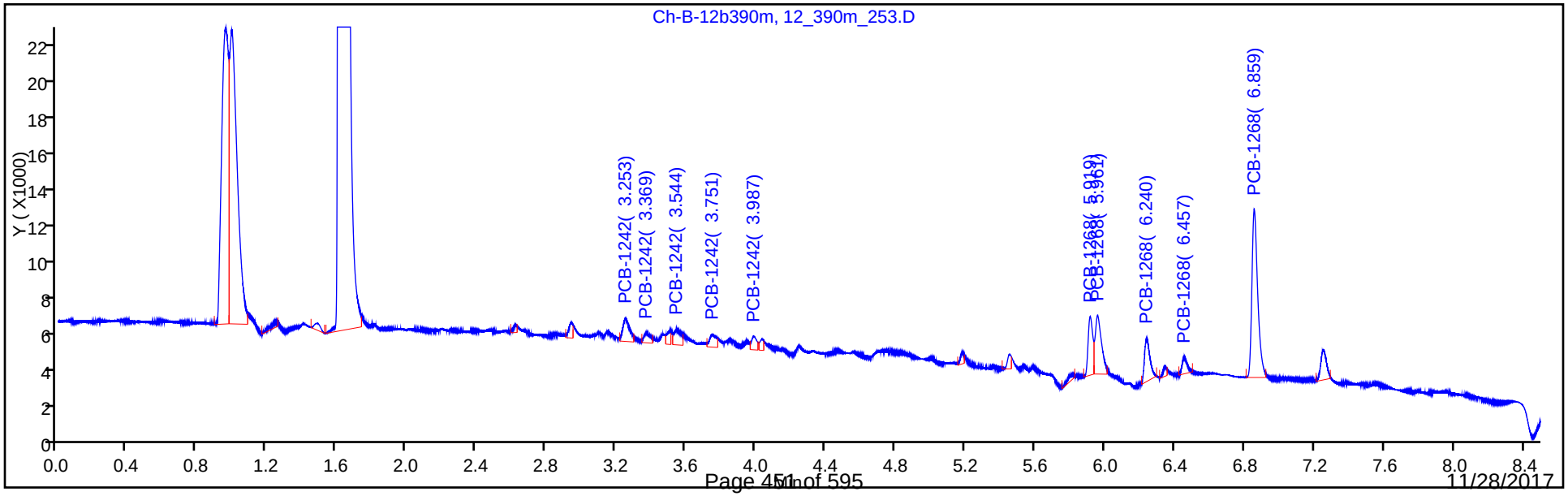
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Injection Date:	13-May-2017 12:34:01	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 1			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



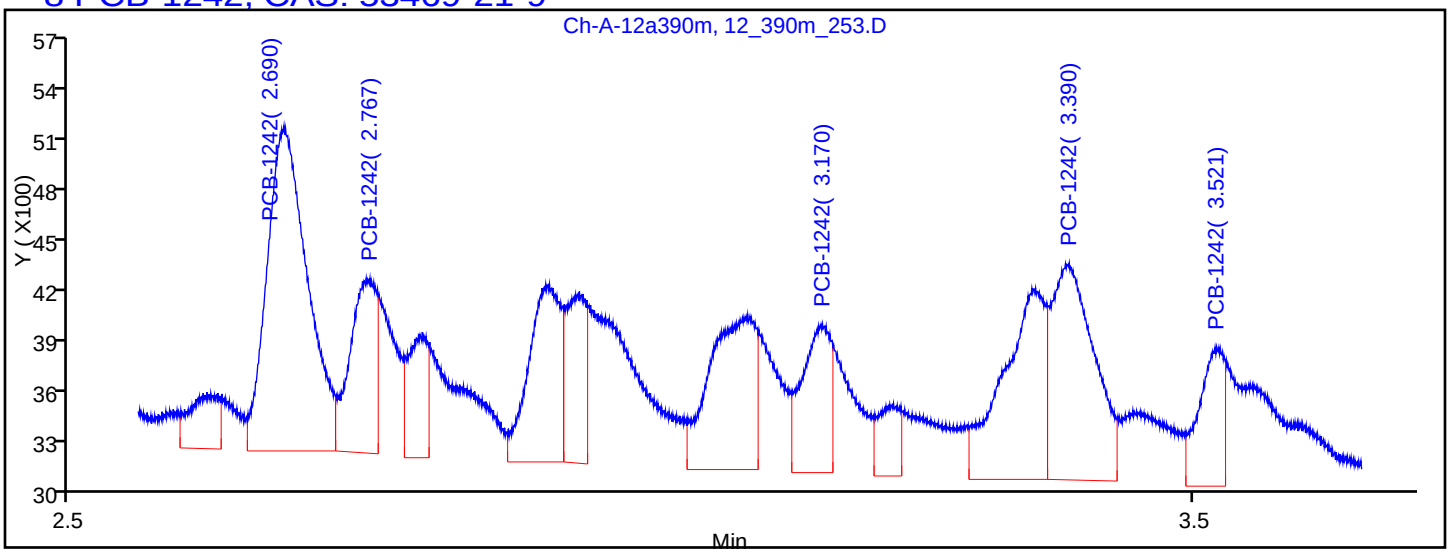
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TestAmerica Buffalo

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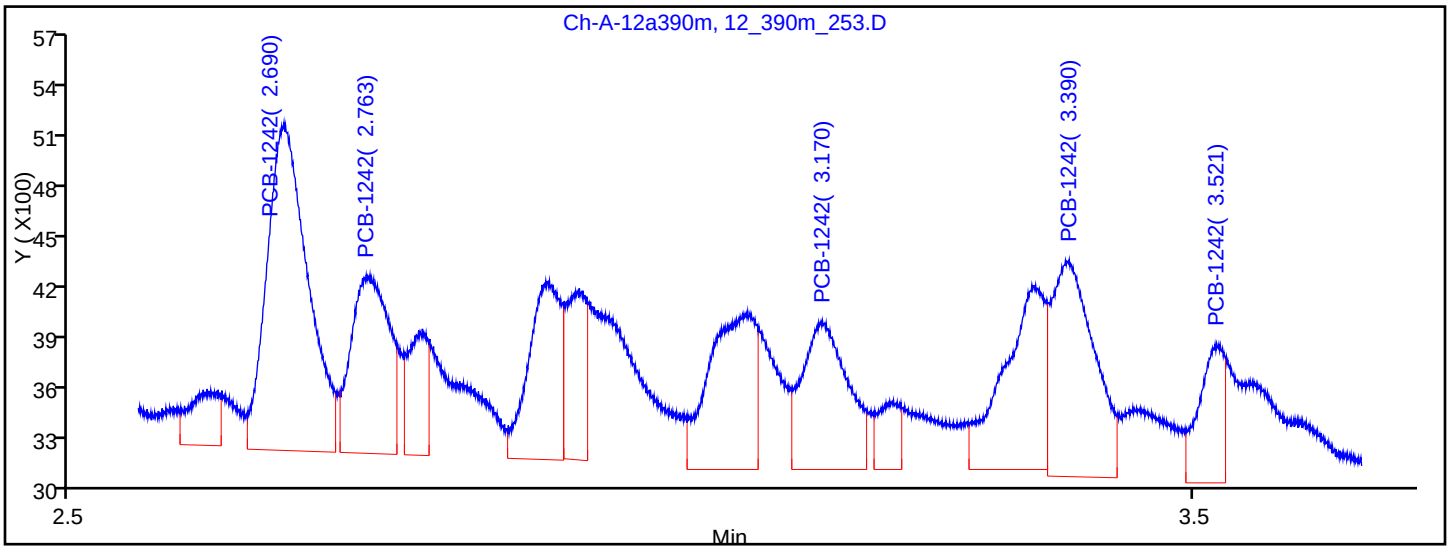
Injection Date:	13-May-2017 12:34:01	Instrument ID:	HP5890-12		
Lims ID:	IC 1				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

8 PCB-1242, CAS: 53469-21-9



Processing Integration Results

2.690	Response = 4812
2.767	Response = 1684
3.170	Response = 1540
3.390	Response = 3369
3.521	Response = 1254



Manual Integration Results

2.690	Response = 4897	M
2.763	Response = 2454	M
3.170	Response = 2465	M
3.390	Response = 3369	
3.521	Response = 1254	

Reviewer: owenj, 15-May-2017 13:14:57

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 15-May-2017 13:44:12 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_253.D

Injection Date: 13-May-2017 12:34:01 Instrument ID: HP5890-12

Lims ID: IC 1

Client ID:

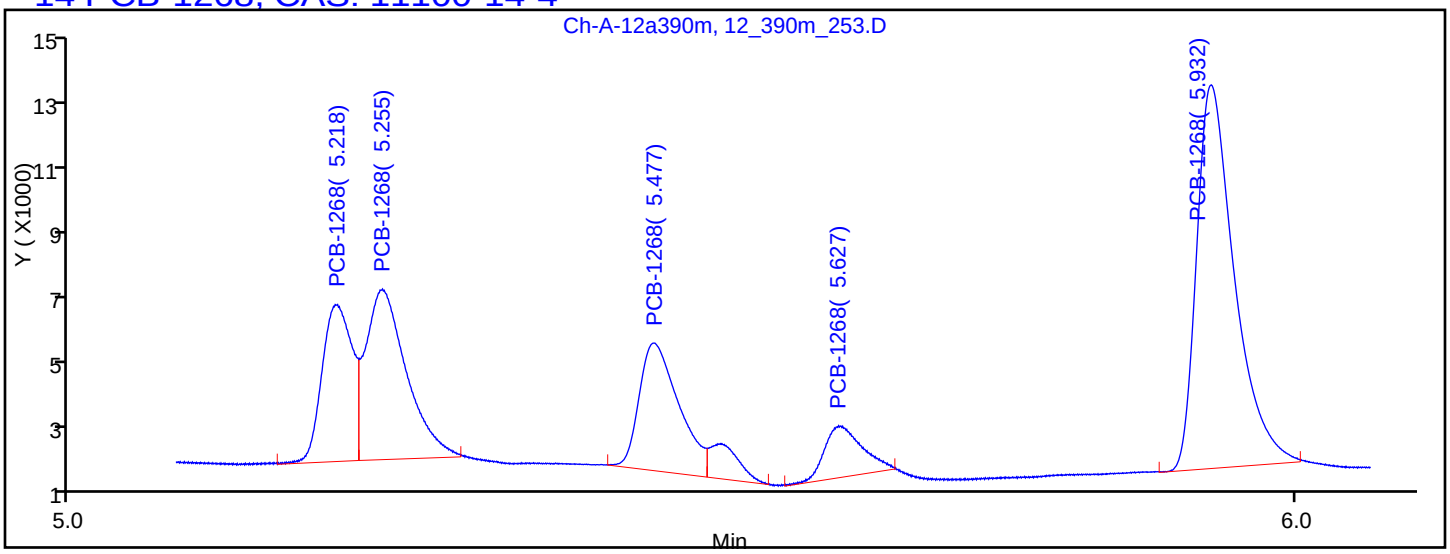
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 6

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

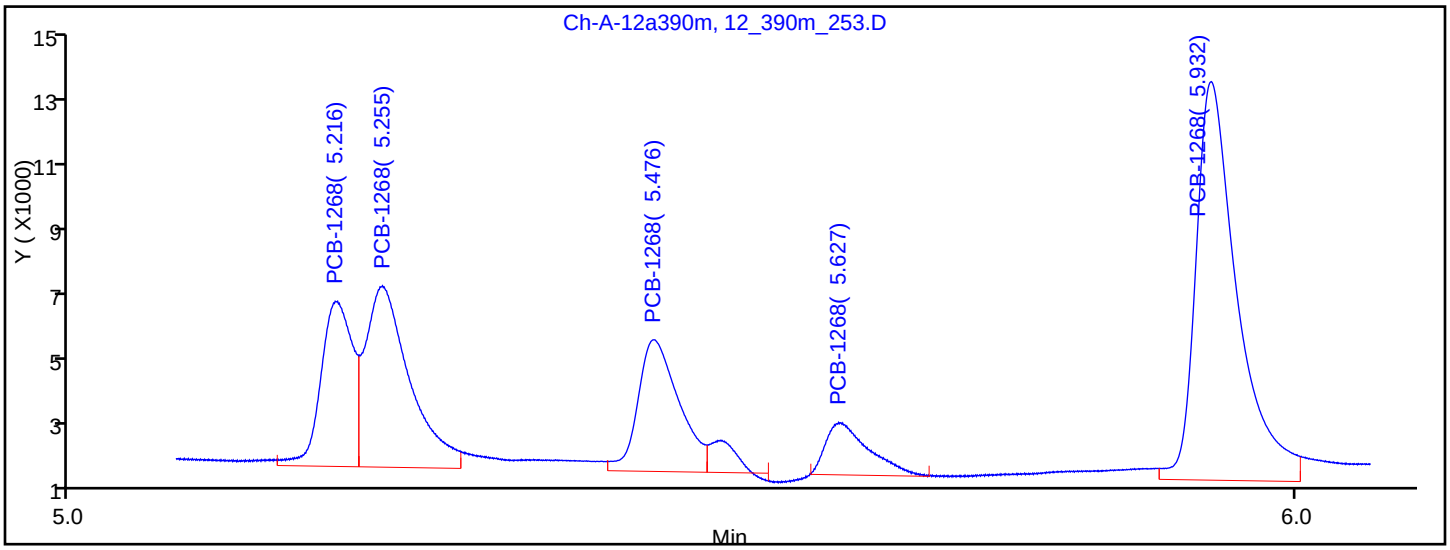
Column: Detector Ch-A-7A136

14 PCB-1268, CAS: 11100-14-4



Processing Integration Results

5.218	Response = 7516
5.255	Response = 10888
5.477	Response = 8050
5.627	Response = 3073
5.932	Response = 22866



Manual Integration Results

5.216	Response = 8298	M
5.255	Response = 12580	M
5.476	Response = 8550	M
5.627	Response = 3536	M
5.932	Response = 26053	M

Reviewer: owenj, 15-May-2017 13:14:31

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1 Analy Batch No.: 357246

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/13/2017 11:27 Calibration End Date: 05/13/2017 12:34 Calibration ID: 30550

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-357246/6	12_390m_253.D
Level 2	IC 480-357246/5	12_390m_252.D
Level 3	IC 480-357246/4	12_390m_251.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3				B	M1	M2								
PCB-1242 Peak 1	0.0806	0.0678	0.0673			Lin1	0.0003	0.0672							1.0000		0.9900
PCB-1242 Peak 2	0.0306	0.0275	0.0281			Lin1	0	0.0279							1.0000		0.9900
PCB-1242 Peak 3	0.0551	0.0366	0.0326			Lin1	0.0005	0.0330							0.9980		0.9900
PCB-1242 Peak 4	0.0407	0.0357	0.0332			Lin1	0.0002	0.0335							0.9990		0.9900
PCB-1242 Peak 5	0.0341	0.0272	0.0260			Lin1	0.0002	0.0261							1.0000		0.9900
PCB-1268 Peak 1	0.1332	0.1167	0.1048			Lin1	0.0007	0.1066							0.9980		0.9900
PCB-1268 Peak 2	0.1827	0.1686	0.1494			Lin1	0.0008	0.1525							0.9980		0.9900
PCB-1268 Peak 3	0.1141	0.1212	0.1065			Lin1	0.0003	0.1091							0.9970		0.9900
PCB-1268 Peak 4	0.0412	0.0558	0.0521			Lin1	0	0.0529							0.9990		0.9900
PCB-1268 Peak 5	0.4782	0.4057	0.3458			Lin1	0.0031	0.3550							0.9960		0.9900

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1 Analy Batch No.: 357246

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/13/2017 11:27 Calibration End Date: 05/13/2017 12:34 Calibration ID: 30550

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-357246/6	12_390m_253.D
Level 2	IC 480-357246/5	12_390m_252.D
Level 3	IC 480-357246/4	12_390m_251.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
PCB-1242 Peak 1	BNB	Lin1	3546	73080	293045			0.0200	0.500	2.00		
PCB-1242 Peak 2	BNB	Lin1	1345	29671	122283			0.0200	0.500	2.00		
PCB-1242 Peak 3	BNB	Lin1	2425	39423	141804			0.0200	0.500	2.00		
PCB-1242 Peak 4	BNB	Lin1	1788	38454	144501			0.0200	0.500	2.00		
PCB-1242 Peak 5	BNB	Lin1	1500	29307	113131			0.0200	0.500	2.00		
PCB-1268 Peak 1	BNB	Lin1	5858	125712	456518			0.0200	0.500	2.00		
PCB-1268 Peak 2	BNB	Lin1	8035	181615	650993			0.0200	0.500	2.00		
PCB-1268 Peak 3	BNB	Lin1	5017	130605	463744			0.0200	0.500	2.00		
PCB-1268 Peak 4	BNB	Lin1	1812	60113	226844			0.0200	0.500	2.00		
PCB-1268 Peak 5	BNB	Lin1	21028	437177	1506102			0.0200	0.500	2.00		

Curve Type Legend:
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_251.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 13-May-2017 11:27:32 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub4

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:44:07 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 15-May-2017 13:14:01

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.319	1.319	0.000	1214930	0.5000	0.5000	
2	1.615	1.617	-0.002	1088987	0.5000	0.5000	
						RPD = 0.00	
8 PCB-1242							M
1	2.672	2.690	-0.018	369463	2.00	1.96	
1	2.745	2.763	-0.018	150036	2.00	1.96	
1	3.153	3.170	-0.017	138818	2.00	1.98	
1	3.371	3.390	-0.019	225700	2.00	1.96	
1	3.505	3.521	-0.016	100501	2.00	1.98	
		Average of Peak Amounts =				1.97	
2	3.241	3.253	-0.012	293045	2.00	2.00	M
2	3.359	3.369	-0.010	122283	2.00	2.01	M
2	3.534	3.544	-0.010	141804	2.00	1.96	M
2	3.739	3.751	-0.012	144501	2.00	1.97	M
2	3.977	3.987	-0.010	113131	2.00	1.99	M
		Average of Peak Amounts =				1.99	
						RPD = 0.94	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
14 PCB-1268							
1	5.197	5.216	-0.019	482272	2.00	1.92	
1	5.235	5.255	-0.020	969217	2.00	1.96	
1	5.458	5.476	-0.018	536077	2.00	1.94	
1	5.609	5.627	-0.018	269307	2.00	1.98	
1	5.911	5.932	-0.021	1762050	2.00	1.94	
		Average of Peak Amounts =				1.95	
2	5.902	5.919	-0.017	456518	2.00	1.96	
2	5.946	5.961	-0.015	650993	2.00	1.95	
2	6.225	6.240	-0.015	463744	2.00	1.95	
2	6.441	6.457	-0.016	226844	2.00	1.97	
2	6.841	6.859	-0.018	1506102	2.00	1.94	
		Average of Peak Amounts =				1.95	
						RPD = 0.36	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

42-68w/IS@2.0_00005 Amount Added: 1.00 Units: mL

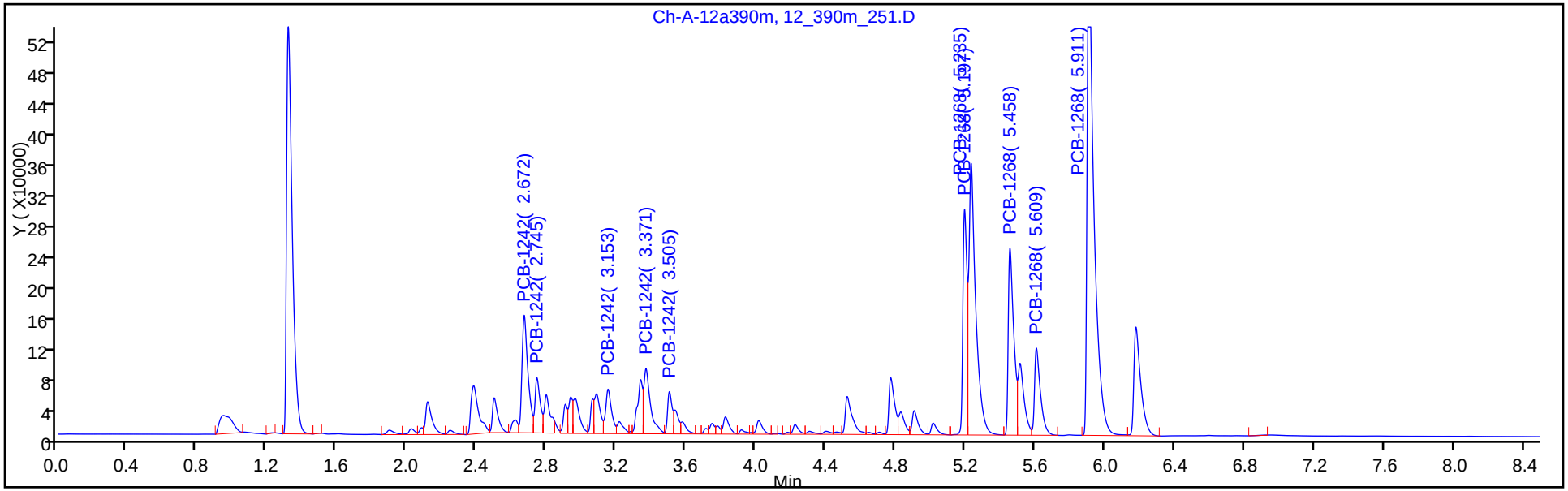
Report Date: 15-May-2017 13:44:07 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

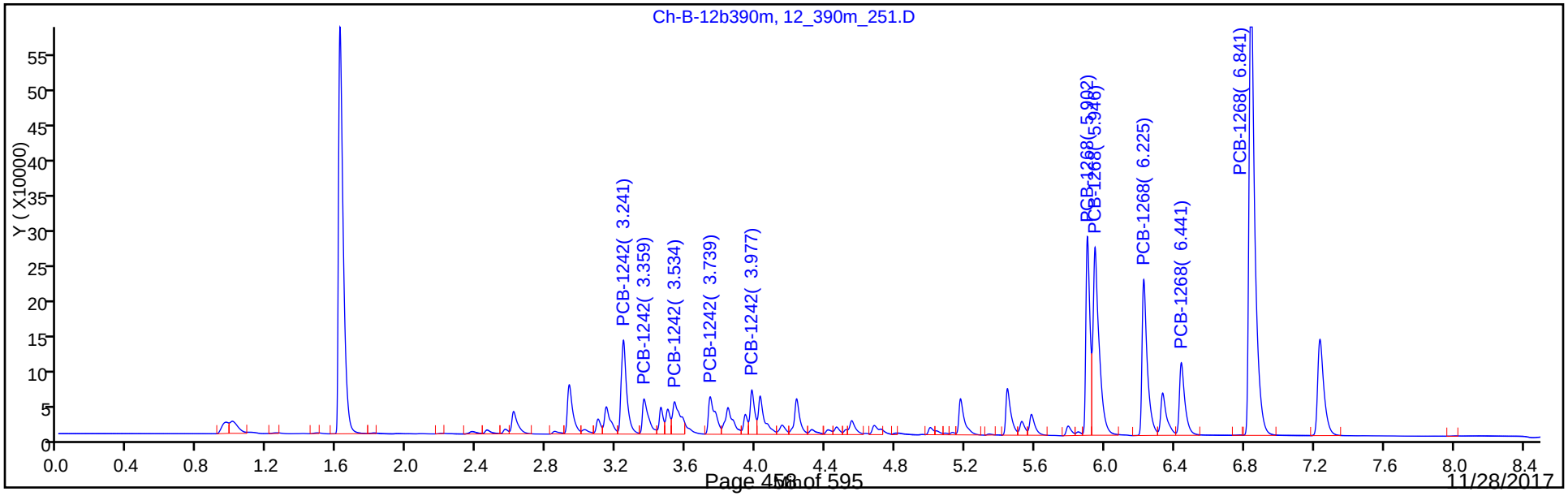
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Injection Date:	13-May-2017 11:27:32	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Report Date: 15-May-2017 13:44:08 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_251.D

Injection Date: 13-May-2017 11:27:32 Instrument ID: HP5890-12

Lims ID: IC 3

Client ID:

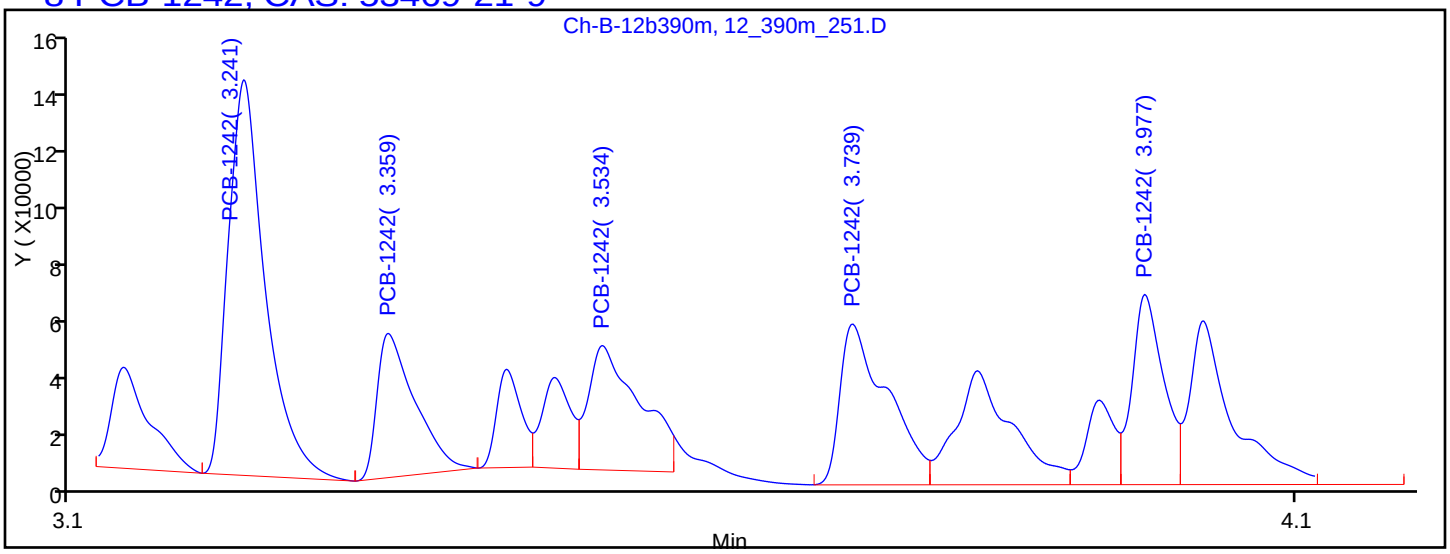
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 4

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

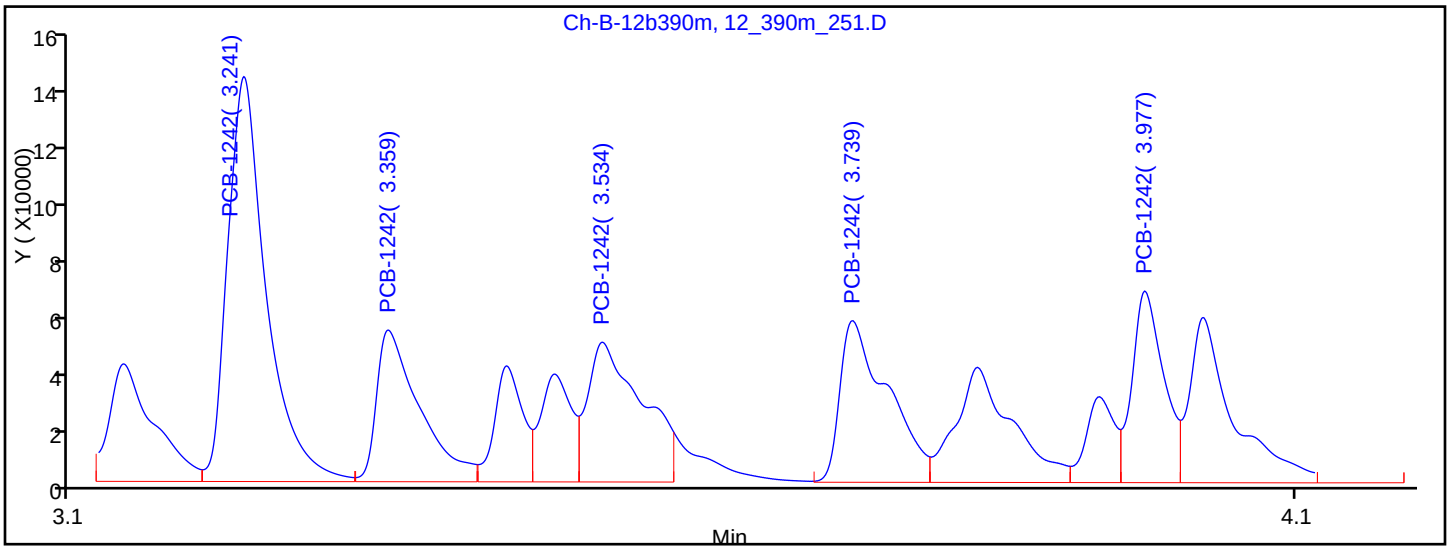
Column: Detector Ch-B-7b136

8 PCB-1242, CAS: 53469-21-9



Processing Integration Results

3.241	Response = 273795
3.359	Response = 101527
3.534	Response = 119209
3.739	Response = 142777
3.977	Response = 111706



Manual Integration Results

3.241	Response = 293045	M
3.359	Response = 122283	M
3.534	Response = 141804	M
3.739	Response = 144501	M
3.977	Response = 113131	M

Reviewer: owenj, 15-May-2017 13:13:52

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_252.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 13-May-2017 11:42:54 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub4

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:44:09 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 15-May-2017 13:14:19

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.319	1.319	0.000	1220981	0.5000	0.5000	
2	1.616	1.617	-0.001	1077513	0.5000	0.5000	
						RPD = 0.00	
8 PCB-1242							M
1	2.675	2.690	-0.015	103486	0.5000	0.5417	
1	2.748	2.763	-0.015	42207	0.5000	0.5402	
1	3.155	3.170	-0.015	37091	0.5000	0.5168	
1	3.373	3.390	-0.017	64171	0.5000	0.5464	
1	3.507	3.521	-0.014	27016	0.5000	0.5252	
		Average of Peak Amounts =				0.5341	
2	3.244	3.253	-0.009	73080	0.5000	0.5008	
2	3.363	3.369	-0.006	29671	0.5000	0.4913	
2	3.537	3.544	-0.007	39423	0.5000	0.5404	M
2	3.743	3.751	-0.008	38454	0.5000	0.5271	
2	3.981	3.987	-0.006	29307	0.5000	0.5149	
		Average of Peak Amounts =				0.5149	
						RPD = 3.65	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
14 PCB-1268							
1	5.200	5.216	-0.016	150697	0.5000	0.5860	
1	5.237	5.255	-0.018	267924	0.5000	0.5364	
1	5.460	5.476	-0.016	158677	0.5000	0.5629	
1	5.612	5.627	-0.015	71488	0.5000	0.5193	
1	5.913	5.932	-0.019	522912	0.5000	0.5652	
		Average of Peak Amounts =				0.5540	
2	5.905	5.919	-0.014	125712	0.5000	0.5410	
2	5.949	5.961	-0.012	181615	0.5000	0.5471	
2	6.229	6.240	-0.011	130605	0.5000	0.5529	
2	6.445	6.457	-0.012	60113	0.5000	0.5303	
2	6.844	6.859	-0.015	437177	0.5000	0.5627	
		Average of Peak Amounts =				0.5468	
						RPD = 1.30	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

42-68w/IS@0.5_00008 Amount Added: 1.00 Units: mL

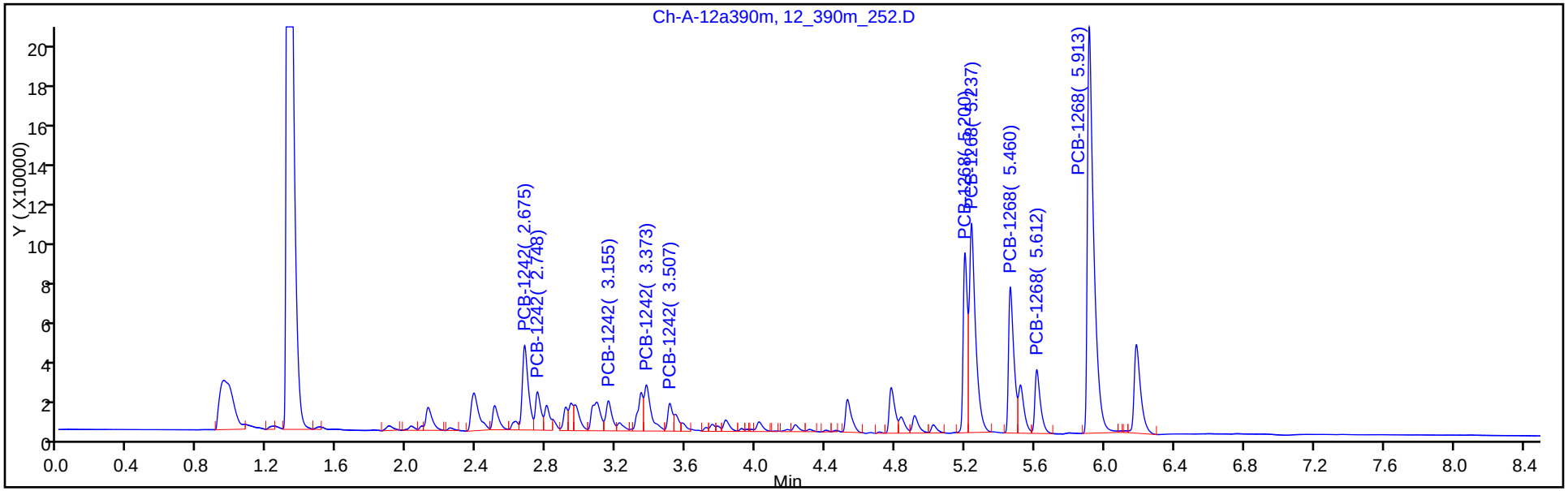
Report Date: 15-May-2017 13:44:10 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

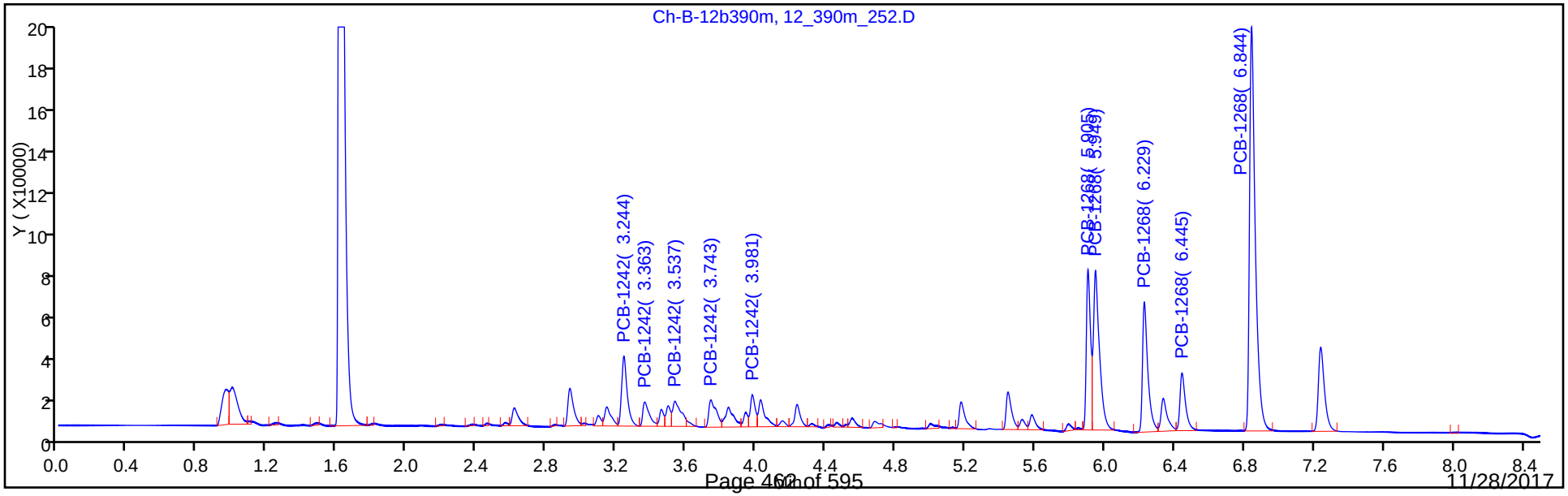
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Injection Date:	13-May-2017 11:42:54	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Report Date: 15-May-2017 13:44:10 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_252.D

Injection Date: 13-May-2017 11:42:54 Instrument ID: HP5890-12

Lims ID: IC 2

Client ID:

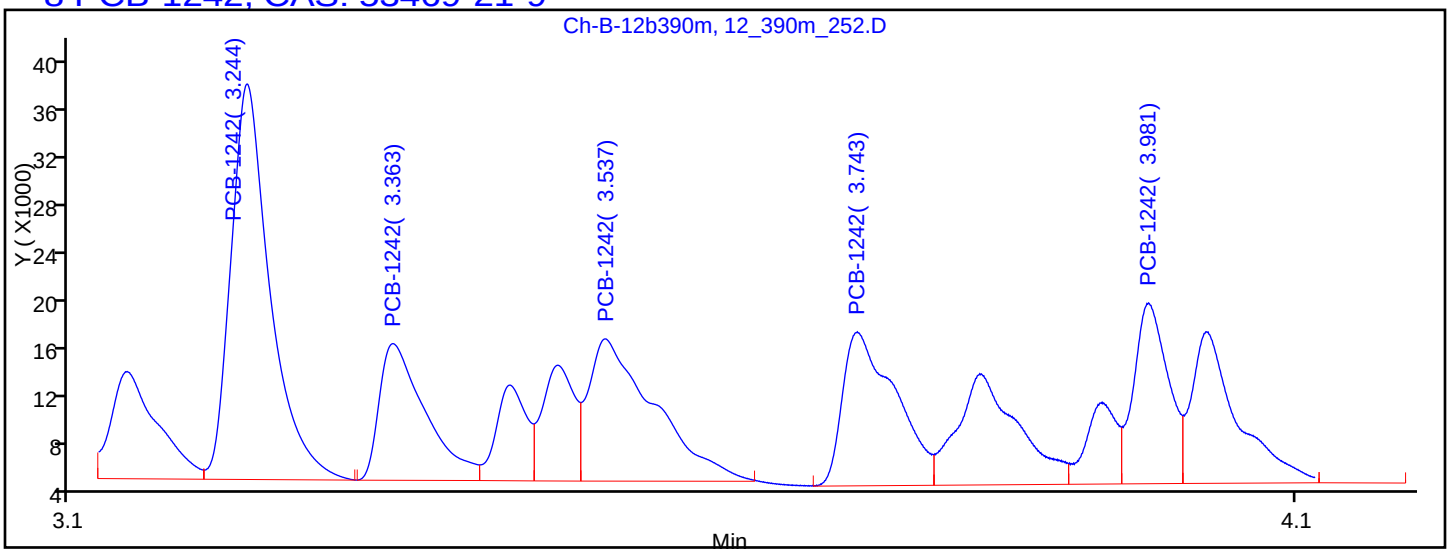
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 5

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

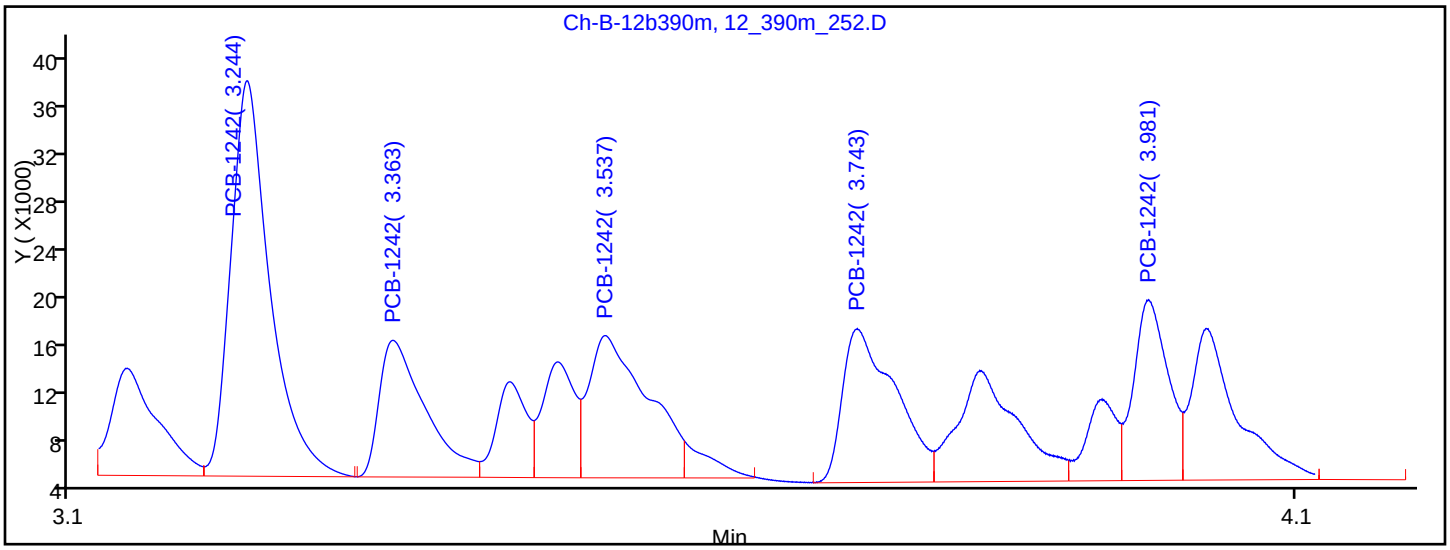
Column: Detector Ch-B-7b136

8 PCB-1242, CAS: 53469-21-9



Processing Integration Results

3.244	Response = 73080
3.363	Response = 29671
3.537	Response = 43891
3.743	Response = 38454
3.981	Response = 29307



Manual Integration Results

3.244	Response = 73080	
3.363	Response = 29671	
3.537	Response = 39423	M
3.743	Response = 38454	
3.981	Response = 29307	

Reviewer: owenj, 15-May-2017 13:14:15

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_253.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 13-May-2017 12:34:01 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub4

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:44:12 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 15-May-2017 13:16:03

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.321	1.321	0.000	1271814	0.5000	0.5000	
2	1.618	1.618	0.000	1099341	0.5000	0.5000	
						RPD = 0.00	
8 PCB-1242							M
1	2.690	2.690	0.000	4897	0.0200	0.0187	M
1	2.763	2.763	0.000	2454	0.0200	0.0188	M
1	3.170	3.170	0.000	2465	0.0200	0.0195	M
1	3.390	3.390	0.000	3369	0.0200	0.0186	
1	3.521	3.521	0.000	1254	0.0200	0.0192	
		Average of Peak Amounts =				0.0190	
2	3.253	3.253	0.000	3546	0.0200	0.0200	M
2	3.369	3.369	0.000	1345	0.0200	0.0203	M
2	3.544	3.544	0.000	2425	0.0200	0.0188	M
2	3.751	3.751	0.000	1788	0.0200	0.0192	M
2	3.987	3.987	0.000	1500	0.0200	0.0195	M
		Average of Peak Amounts =				0.0195	
						RPD = 3.01	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
14 PCB-1268							M
1	5.216	5.216	0.000	8298	0.0200	0.0174	M
1	5.255	5.255	0.000	12580	0.0200	0.0189	M
1	5.476	5.476	0.000	8550	0.0200	0.0181	M
1	5.627	5.627	0.000	3536	0.0200	0.0194	M
1	5.932	5.932	0.000	26053	0.0200	0.0180	M
		Average of Peak Amounts =				0.0184	
2	5.919	5.919	0.000	5858	0.0200	0.0188	
2	5.961	5.961	0.000	8035	0.0200	0.0186	
2	6.240	6.240	0.000	5017	0.0200	0.0184	M
2	6.457	6.457	0.000	1812	0.0200	0.0191	M
2	6.859	6.859	0.000	21028	0.0200	0.0181	
		Average of Peak Amounts =				0.0186	
						RPD = 1.17	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

42-68w/IS@.02_00005 Amount Added: 1.00 Units: mL

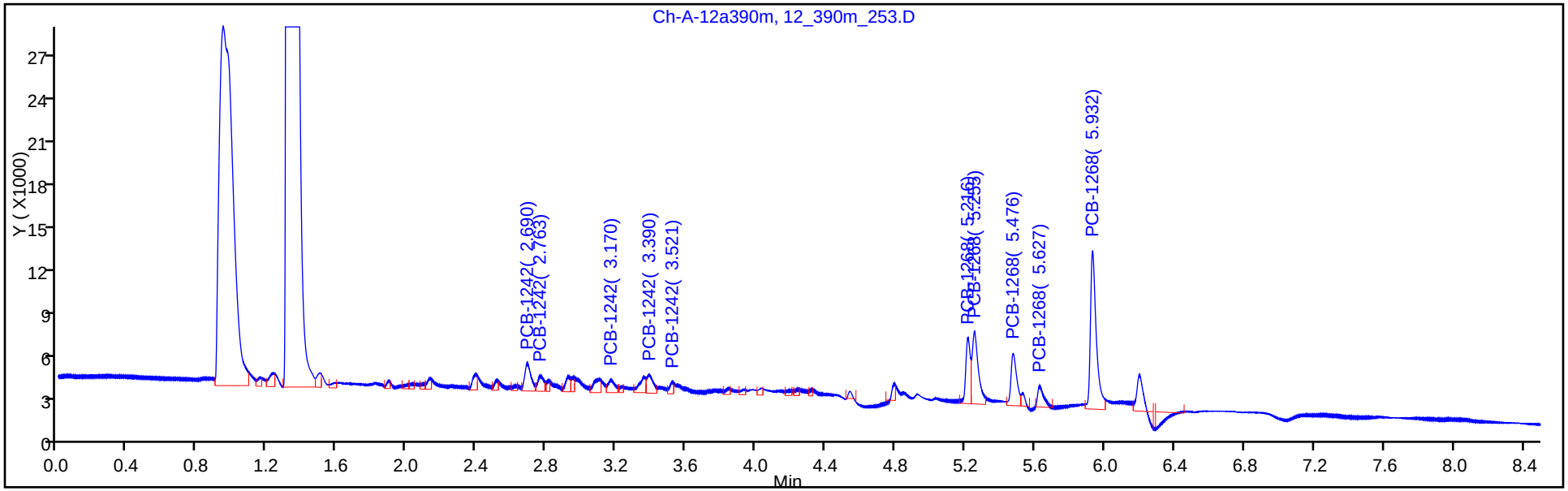
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TestAmerica Buffalo

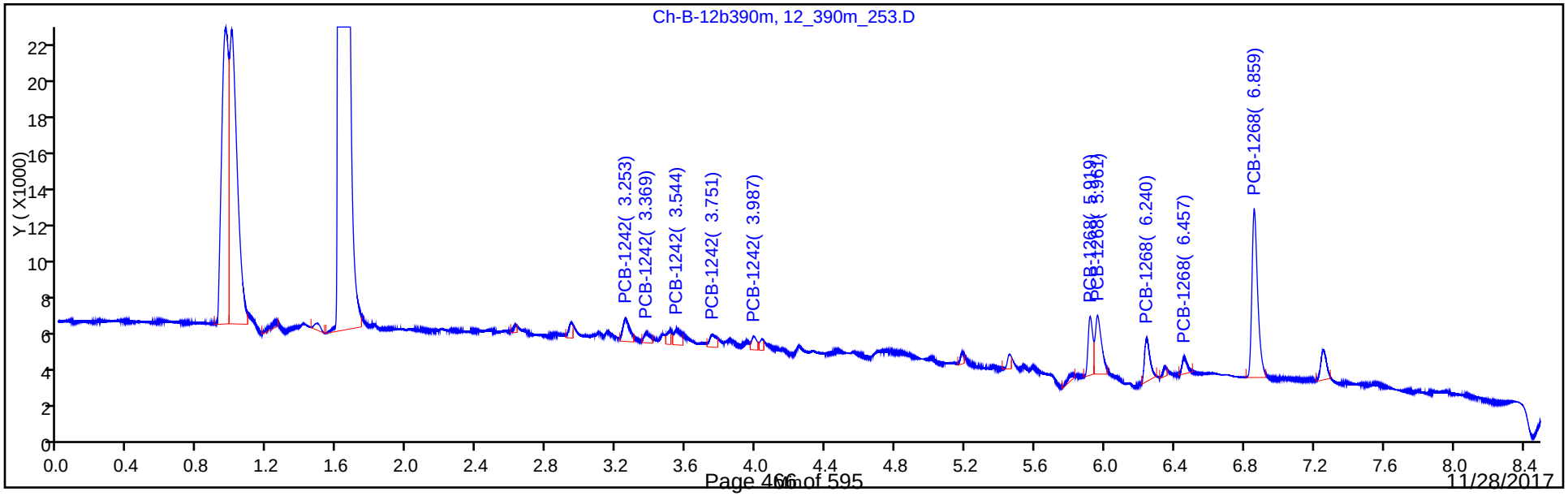
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Injection Date:	13-May-2017 12:34:01	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 1			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



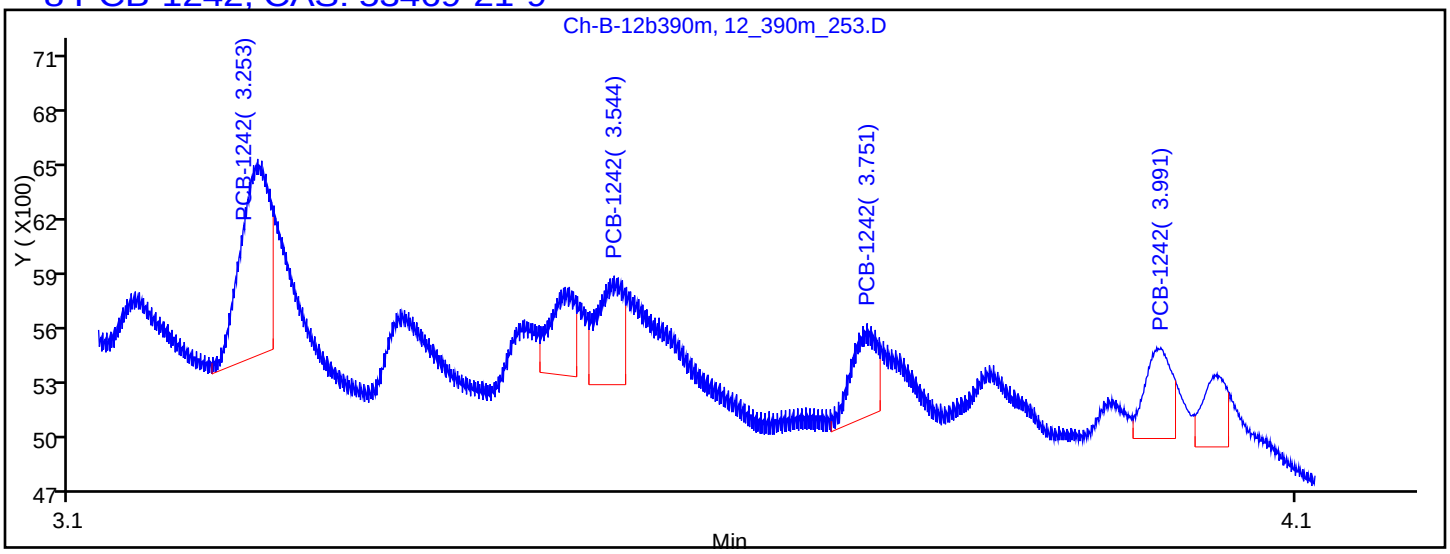
Report Date: 15-May-2017 13:44:12 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_253.D

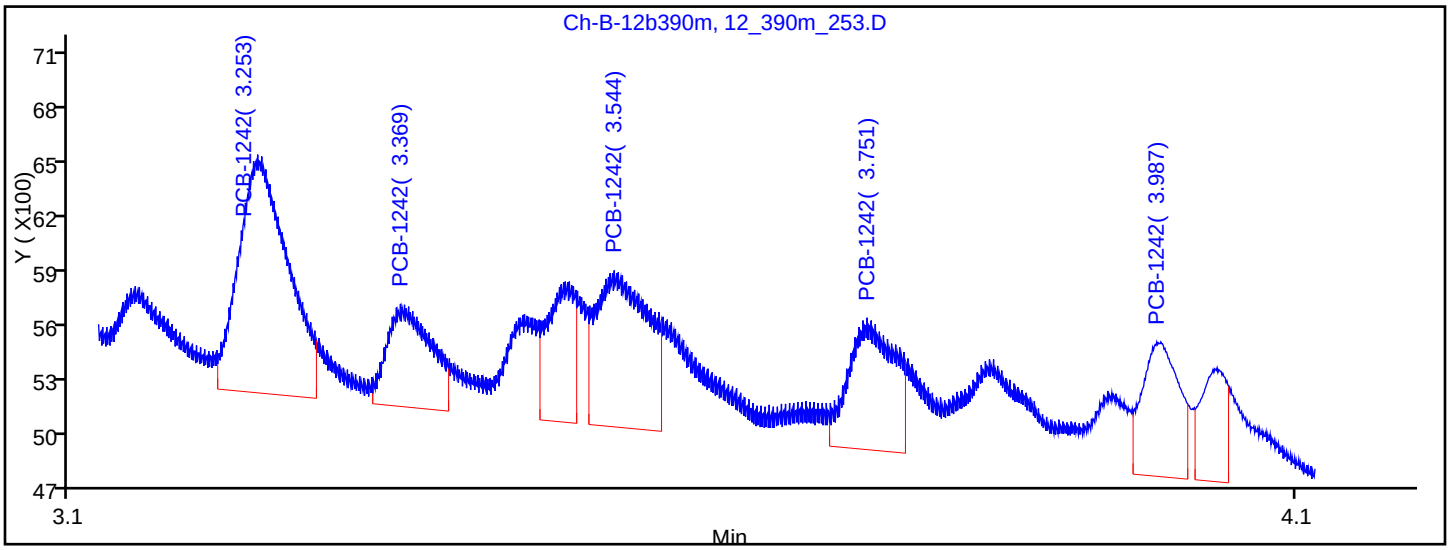
Injection Date:	13-May-2017 12:34:01	Instrument ID:	HP5890-12		
Lims ID:	IC 1				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

8 PCB-1242, CAS: 53469-21-9



Processing Integration Results

3.253	Response = 1712
3.369	Response = 0
3.544	Response = 822
3.751	Response = 685
3.991	Response = 719



Manual Integration Results

3.253	Response = 3546	M
3.369	Response = 1345	M
3.544	Response = 2425	M
3.751	Response = 1788	M
3.987	Response = 1500	M

Reviewer: owenj, 15-May-2017 13:15:56

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 15-May-2017 13:44:12 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_253.D

Injection Date: 13-May-2017 12:34:01 Instrument ID: HP5890-12

Lims ID: IC 1

Client ID:

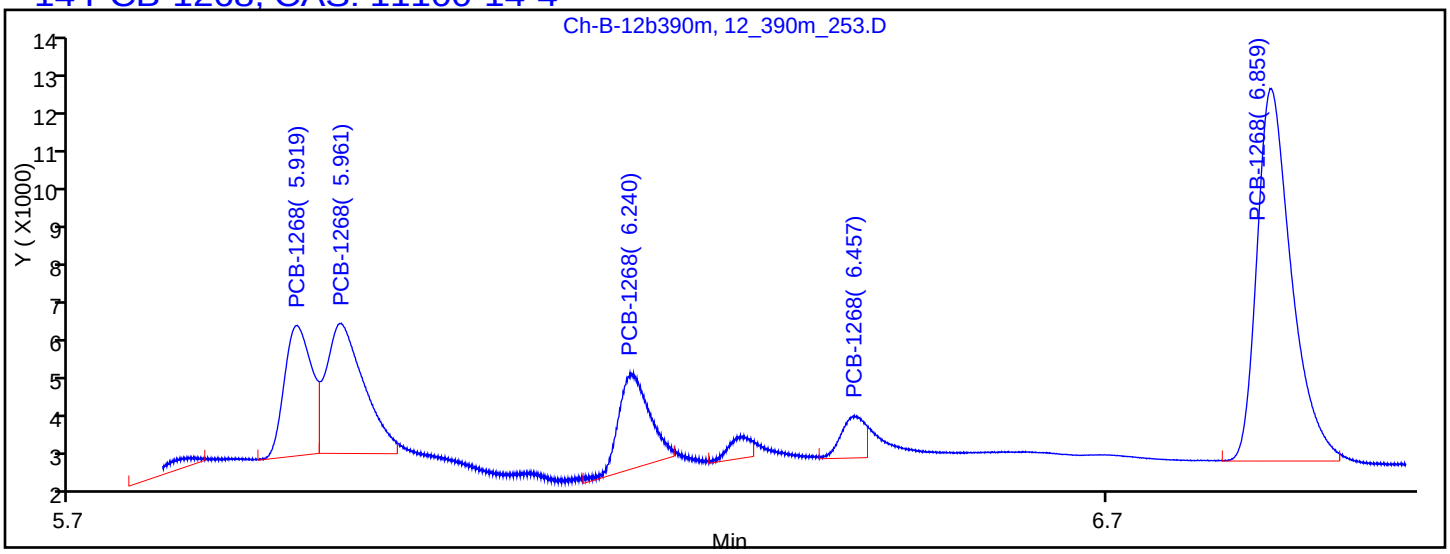
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 6

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

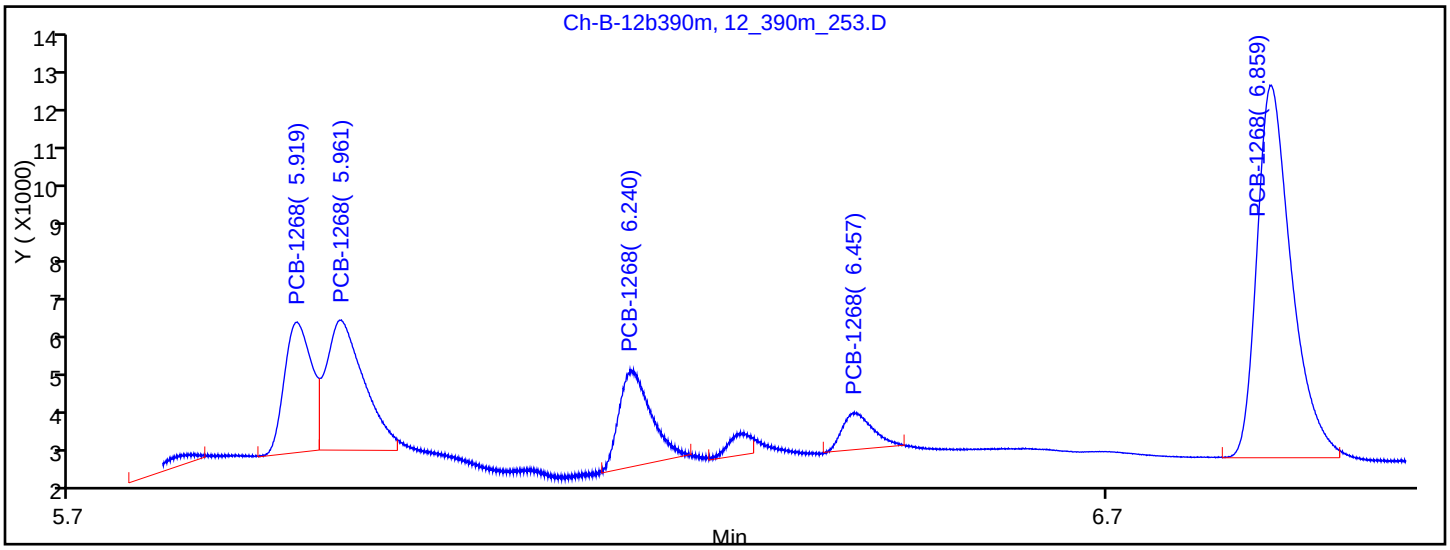
Column: Detector Ch-B-7b136

14 PCB-1268, CAS: 11100-14-4



Processing Integration Results

5.919	Response = 5858
5.961	Response = 8035
6.240	Response = 4838
6.457	Response = 1606
6.859	Response = 21028



Manual Integration Results

5.919	Response = 5858	
5.961	Response = 8035	
6.240	Response = 5017	M
6.457	Response = 1812	M
6.859	Response = 21028	

Reviewer: owenj, 15-May-2017 13:15:24

Audit Action: Manually Integrated Audit Reason: Baseline Smoothing

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1 Analy Batch No.: 357246

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/13/2017 13:04 Calibration End Date: 05/13/2017 13:35 Calibration ID: 30555

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-357246/10	12_390m_257.D
Level 2	IC 480-357246/9	12_390m_256.D
Level 3	IC 480-357246/8	12_390m_255.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3				B	M1	M2								
PCB-1248 Peak 1	0.0380	0.0255	0.0239			Lin1	0.0003	0.0239							1.0000		0.9900
PCB-1248 Peak 2	0.0505	0.0541	0.0481			Ave		0.0509				6.0		20.0			
PCB-1248 Peak 3	0.0712	0.0636	0.0596			Lin1	0.0003	0.0602							0.9990		0.9900
PCB-1248 Peak 4	0.0919	0.1137	0.0971			Lin1	0	0.1003							0.9950		0.9900
PCB-1248 Peak 5	0.0363	0.0381	0.0333			Lin1	0.0001	0.0342							0.9970		0.9900

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1 Analy Batch No.: 357246

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/13/2017 13:04 Calibration End Date: 05/13/2017 13:35 Calibration ID: 30555

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-357246/10	12_390m_257.D
Level 2	IC 480-357246/9	12_390m_256.D
Level 3	IC 480-357246/8	12_390m_255.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
PCB-1248 Peak 1	BNB	Lin1	1900	24981	95422			0.0200	0.500	2.00		
PCB-1248 Peak 2	BNB	Ave	2526	52994	192298			0.0200	0.500	2.00		
PCB-1248 Peak 3	BNB	Lin1	3557	62236	238393			0.0200	0.500	2.00		
PCB-1248 Peak 4	BNB	Lin1	4594	111348	388398			0.0200	0.500	2.00		
PCB-1248 Peak 5	BNB	Lin1	1813	37302	133165			0.0200	0.500	2.00		

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_255.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 13-May-2017 13:04:43 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub5

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:44:19 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 15-May-2017 13:20:00

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.319	1.321	-0.002	999992	0.5000	0.5000	
2	1.616	1.618	-0.002	917891	0.5000	0.5000	
						RPD = 0.00	
10 PCB-1248							M
1	2.940	2.940	0.000	95422	2.00	1.98	M
1	3.154	3.157	-0.003	192298	2.00	1.89	M
1	3.341	3.345	-0.004	238393	2.00	1.98	M
1	3.372	3.375	-0.003	388398	2.00	1.94	M
1	3.541	3.543	-0.002	133165	2.00	1.95	M
		Average of Peak Amounts =				1.95	
2	3.535	3.539	-0.004	93778	2.00	1.92	M
2	3.737	3.741	-0.004	119745	2.00	1.97	
2	3.979	3.983	-0.004	179818	2.00	1.95	a
2	4.026	4.029	-0.003	150933	2.00	1.98	a
2	4.235	4.238	-0.003	181538	2.00	1.98	
		Average of Peak Amounts =				1.96	
						RPD = 0.74	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

1248w/IS@ 2.0_00005 Amount Added: 1.00 Units: mL

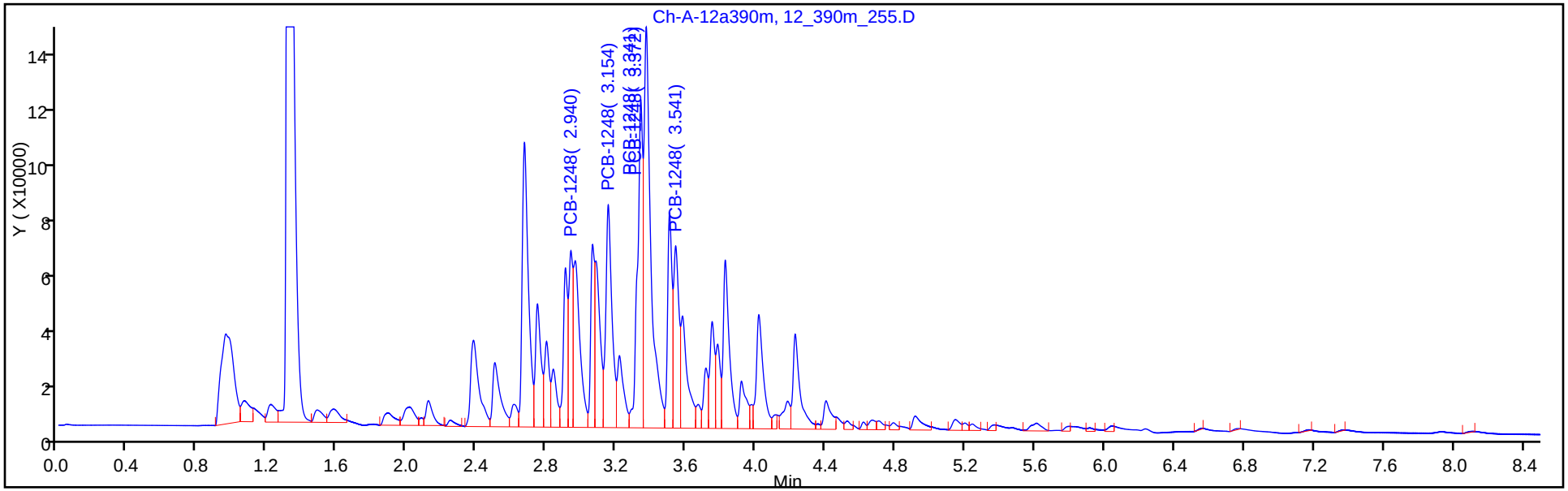
Report Date: 15-May-2017 13:44:19 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

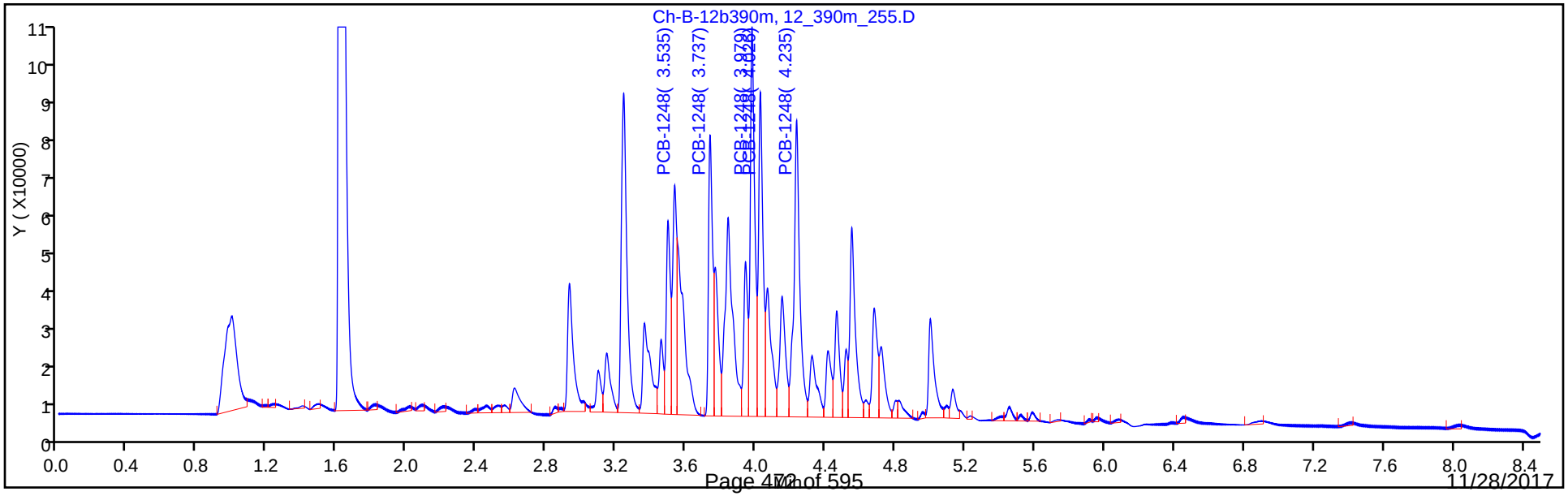
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_255.D

Injection Date:	13-May-2017 13:04:43	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Report Date: 15-May-2017 13:44:19 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_255.D

Injection Date: 13-May-2017 13:04:43 Instrument ID: HP5890-12

Lims ID: IC 3

Client ID:

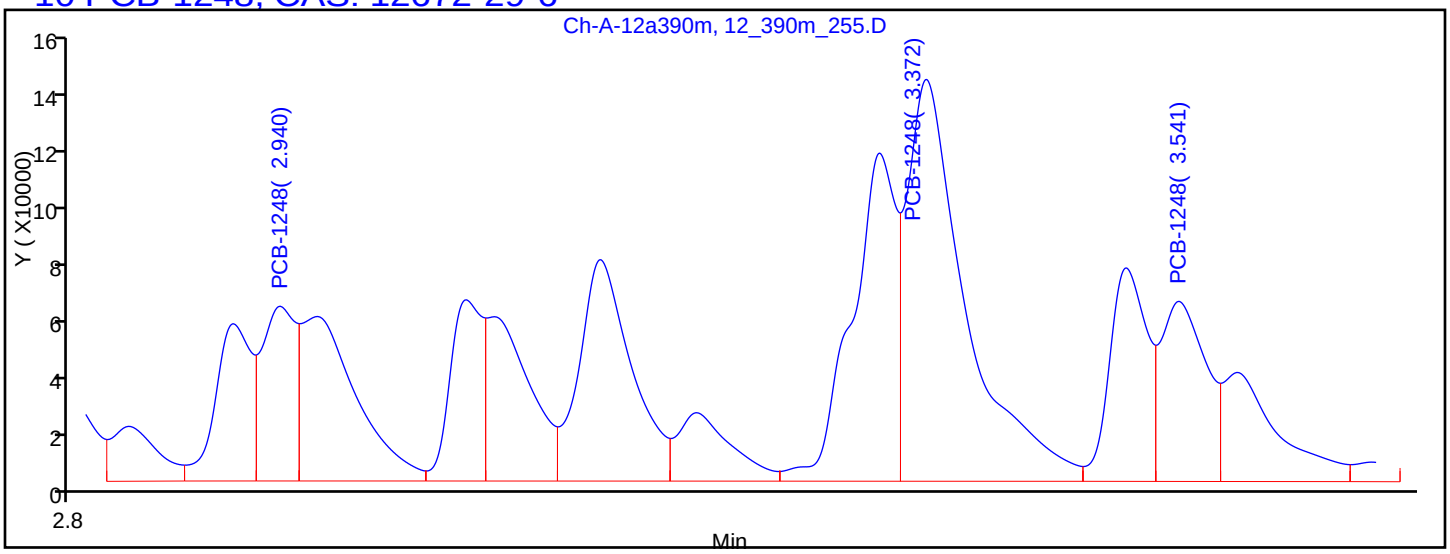
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 8

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

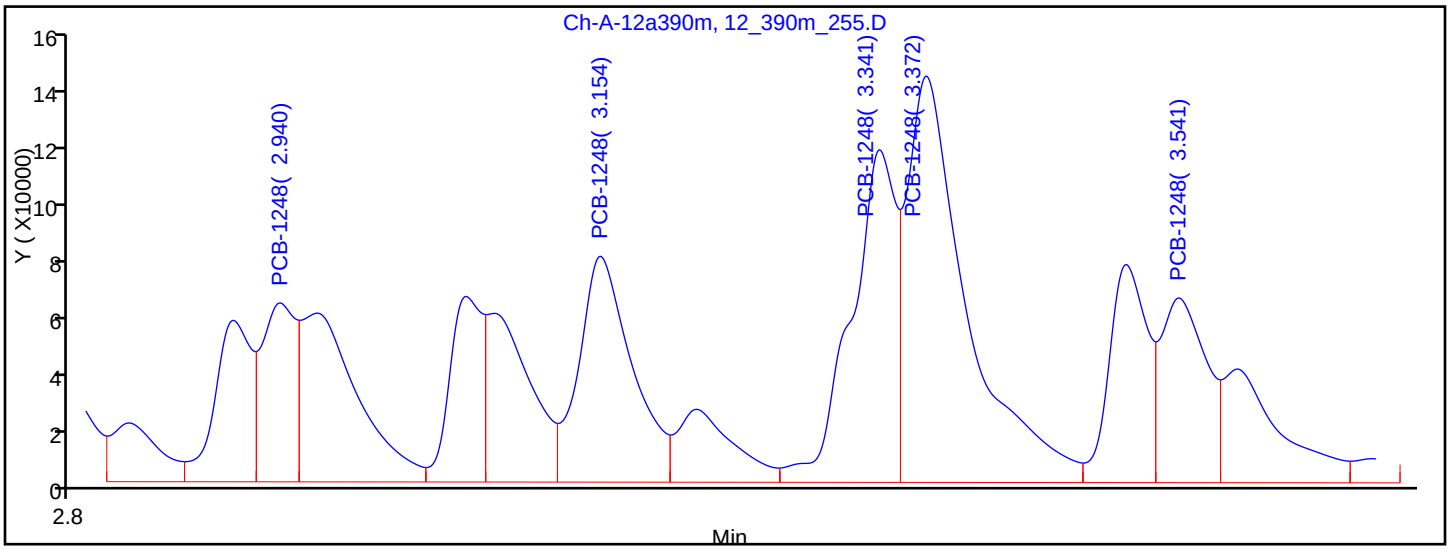
Column: Detector Ch-A-7A136

10 PCB-1248, CAS: 12672-29-6



Processing Integration Results

2.940	Response = 92869
3.065	Response = 92914
3.154	Response = 185280
3.372	Response = 376657
3.541	Response = 129007



Manual Integration Results

2.940	Response = 95422	M
3.154	Response = 192298	M
3.341	Response = 238393	M
3.372	Response = 388398	M
3.541	Response = 133165	M

Reviewer: owenj, 15-May-2017 13:27:56

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_256.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 13-May-2017 13:20:03 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub5

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:44:21 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 15-May-2017 13:20:30

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.319	1.321	-0.002	978936	0.5000	0.5000	
2	1.616	1.618	-0.002	907939	0.5000	0.5000	
						RPD = 0.00	
10 PCB-1248							M
1	2.941	2.940	0.001	24981	0.5000	0.5205	M
1	3.157	3.157	0.000	52994	0.5000	0.5316	
1	3.343	3.345	-0.002	62236	0.5000	0.5239	
1	3.375	3.375	0.000	111348	0.5000	0.5666	
1	3.543	3.543	0.000	37302	0.5000	0.5550	
		Average of Peak Amounts =				0.5395	
2	3.537	3.539	-0.002	28873	0.5000	0.5800	M
2	3.741	3.741	0.000	32764	0.5000	0.5335	M
2	3.981	3.983	-0.002	51166	0.5000	0.5501	a
2	4.029	4.029	0.000	40094	0.5000	0.5213	a
2	4.237	4.238	-0.001	48012	0.5000	0.5218	
		Average of Peak Amounts =				0.5413	
						RPD = 0.34	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

1248w/IS@ 0.5_00008 Amount Added: 1.00 Units: mL

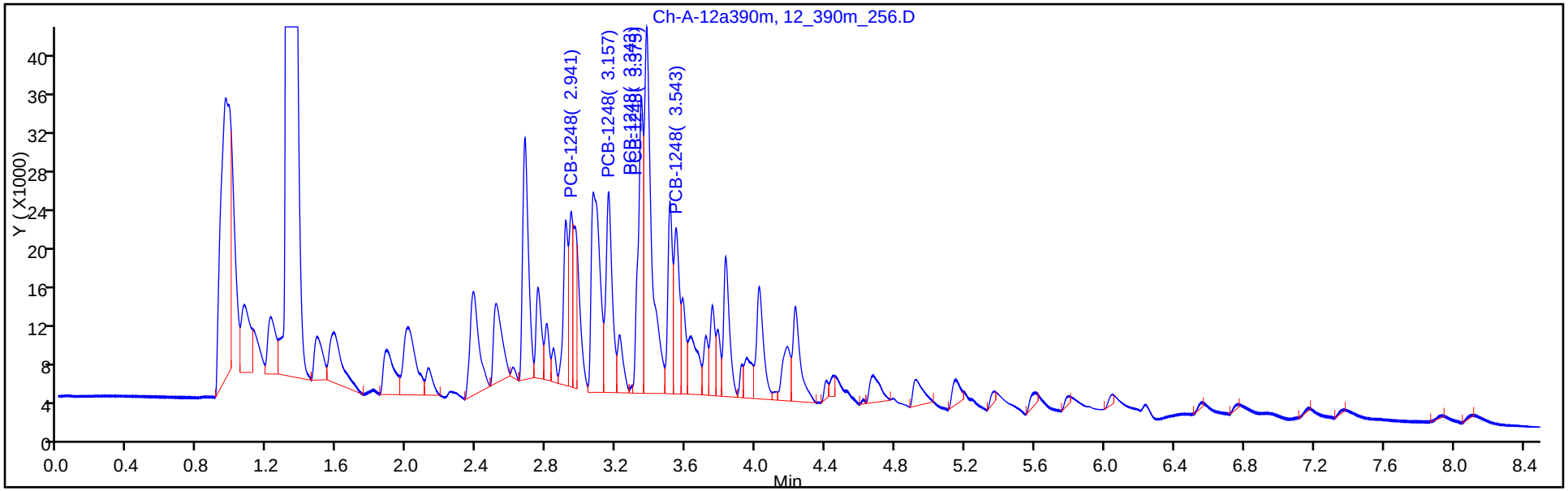
Report Date: 15-May-2017 13:44:22 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

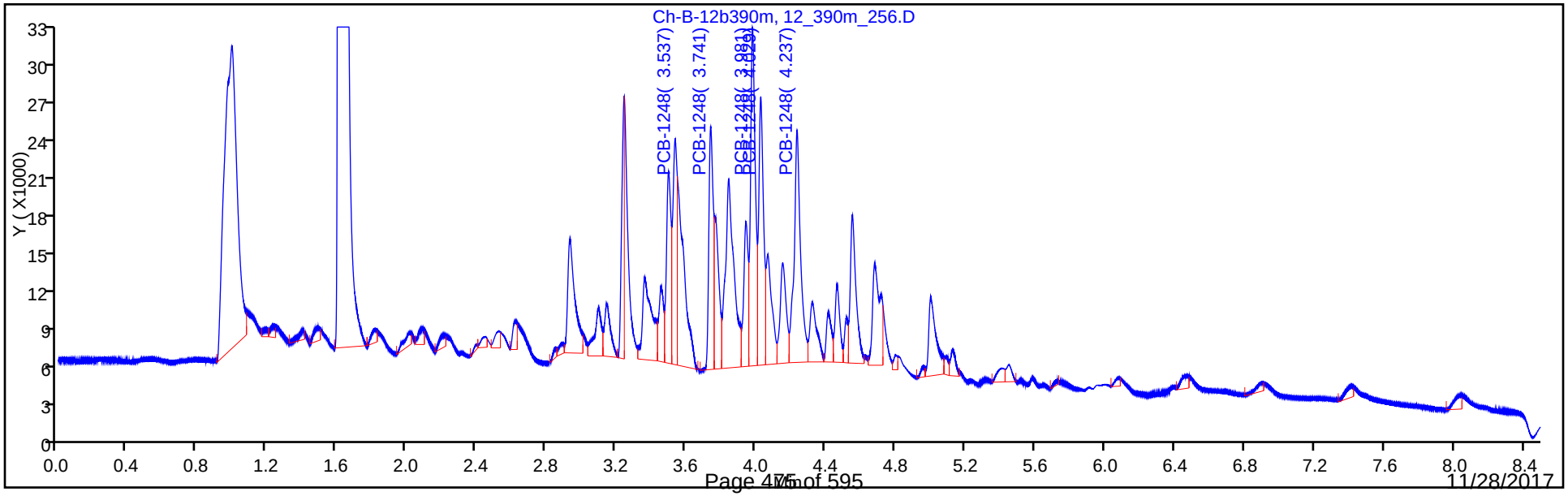
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_256.D

Injection Date:	13-May-2017 13:20:03	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Report Date: 15-May-2017 13:44:22 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_256.D

Injection Date: 13-May-2017 13:20:03 Instrument ID: HP5890-12

Lims ID: IC 2

Client ID:

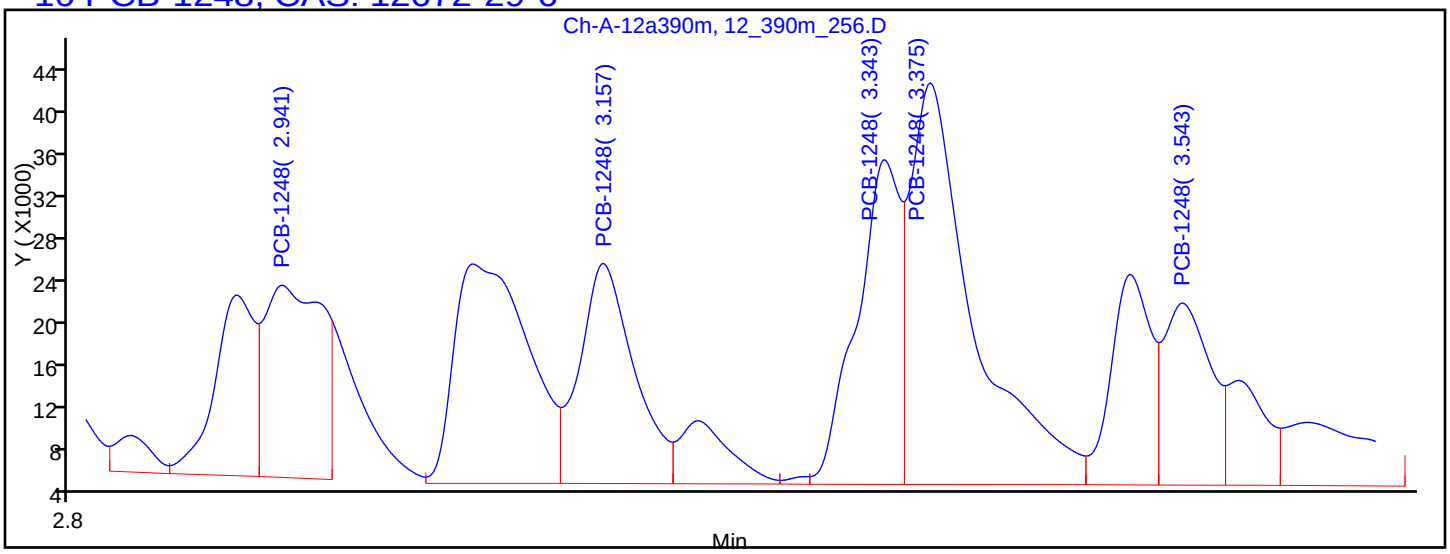
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 9

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

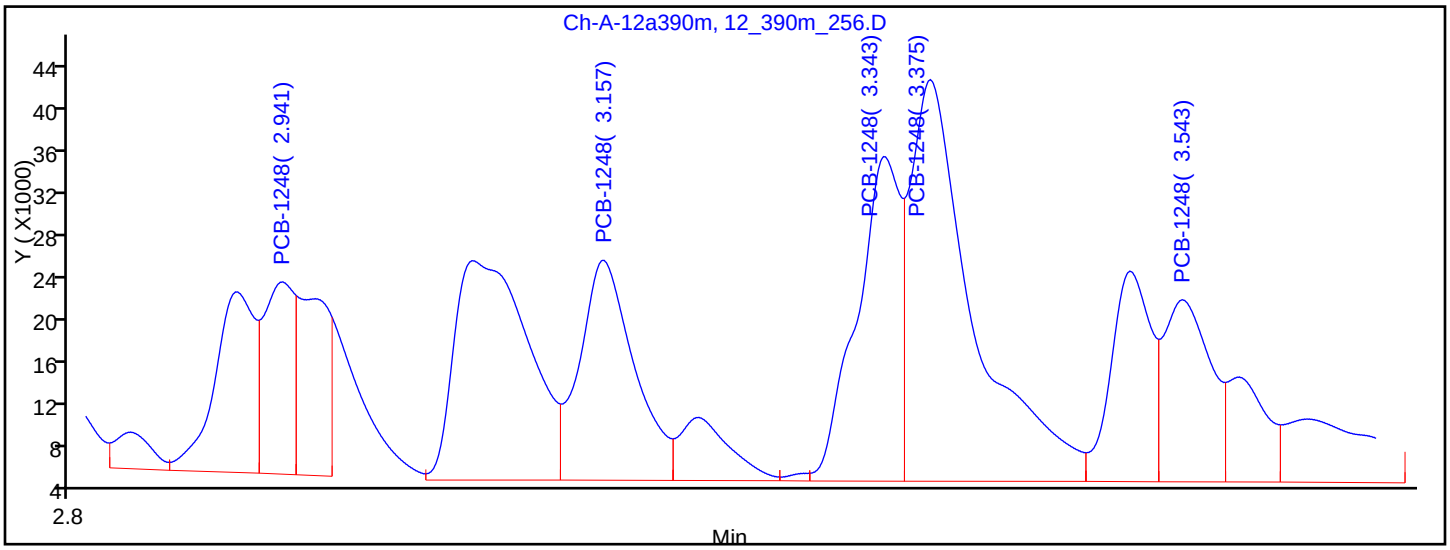
Column: Detector Ch-A-7A136

10 PCB-1248, CAS: 12672-29-6



Processing Integration Results

2.941	Response = 48655
3.157	Response = 52994
3.343	Response = 62236
3.375	Response = 111348
3.543	Response = 37302



Manual Integration Results

2.941	Response = 24981	M
3.157	Response = 52994	
3.343	Response = 62236	
3.375	Response = 111348	
3.543	Response = 37302	

Reviewer: owenj, 15-May-2017 13:33:35

Audit Action: Split an Integrated Peak Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 13-May-2017 13:35:27 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub5

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:44:24 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 15-May-2017 13:21:37

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							M
1	1.319	1.319	0.000	1249260	0.5000	0.5000	M
2	1.617	1.617	0.000	1080655	0.5000	0.5000	
						RPD = 0.00	
10 PCB-1248							M
1	2.940	2.940	0.000	1900	0.0200	0.0194	M
1	3.157	3.157	0.000	2526	0.0200	0.0199	
1	3.345	3.345	0.000	3557	0.0200	0.0193	
1	3.375	3.375	0.000	4594	0.0200	0.0180	
1	3.543	3.543	0.000	1813	0.0200	0.0183	M
		Average of Peak Amounts =				0.0190	
2	3.539	3.539	0.000	2510	0.0200	0.0176	M
2	3.741	3.741	0.000	2406	0.0200	0.0190	M
2	3.983	3.983	0.000	3692	0.0200	0.0185	M
2	4.029	4.029	0.000	2970	0.0200	0.0194	M
2	4.238	4.238	0.000	3151	0.0200	0.0193	M
		Average of Peak Amounts =				0.0187	
						RPD = 1.16	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

1248w/IS@ .02_00005 Amount Added: 1.00 Units: mL

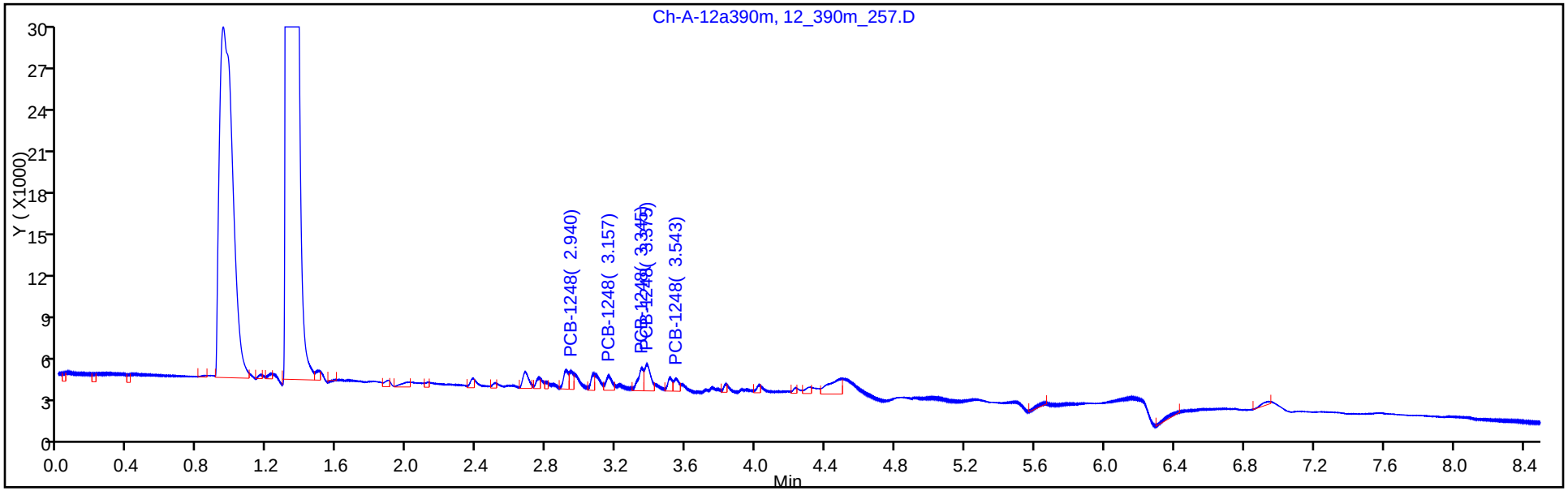
Report Date: 15-May-2017 13:44:24 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

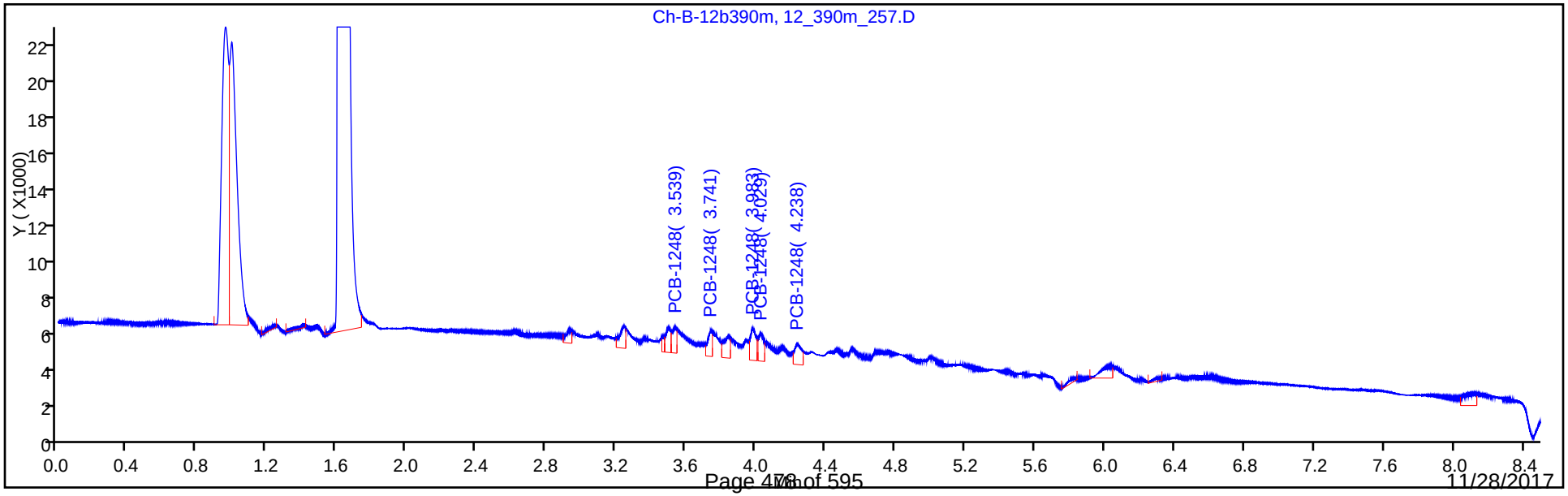
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Injection Date:	13-May-2017 13:35:27	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 1			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

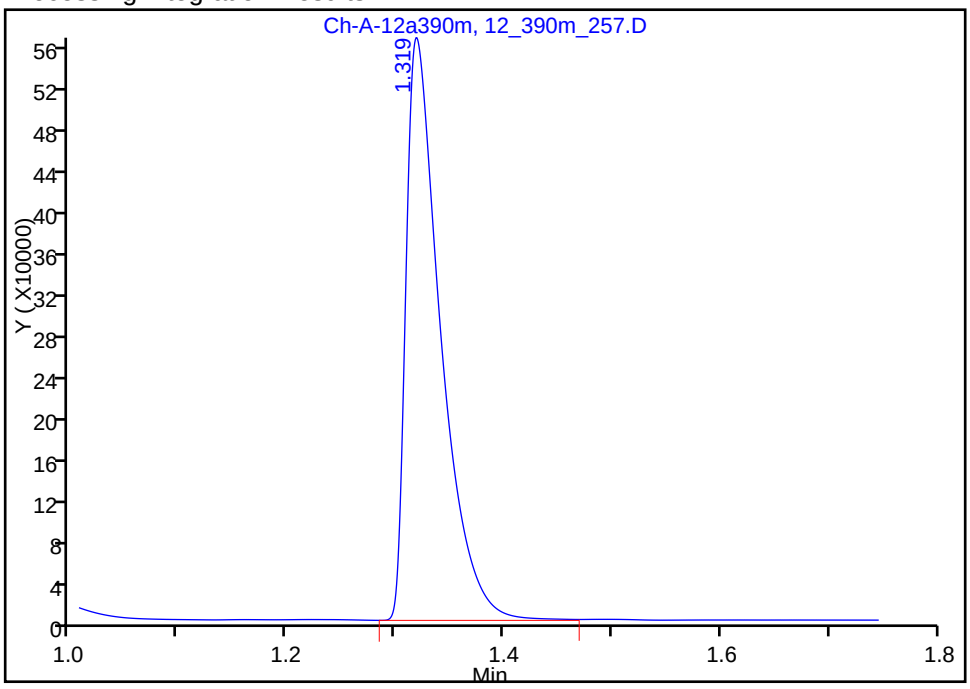
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D
Injection Date: 13-May-2017 13:35:27 Instrument ID: HP5890-12
Lims ID: IC 1
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

* 1 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

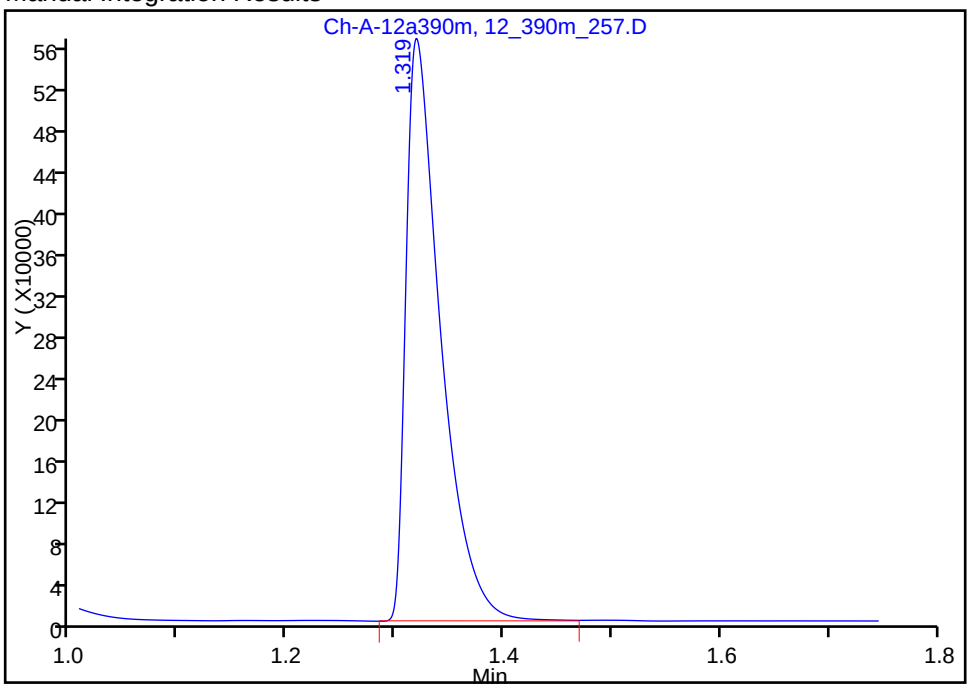
Processing Integration Results

RT: 1.32
Area: 1253537
Amount: 0.500000
Amount Units: ng/uL



Manual Integration Results

RT: 1.32
Area: 1249260
Amount: 0.500000
Amount Units: ng/uL



Reviewer: owenj, 15-May-2017 13:34:30
Audit Action: Assigned New Baseline Audit Reason: Split Peak

Report Date: 15-May-2017 13:44:24 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Injection Date: 13-May-2017 13:35:27 Instrument ID: HP5890-12

Lims ID: IC 1

Client ID:

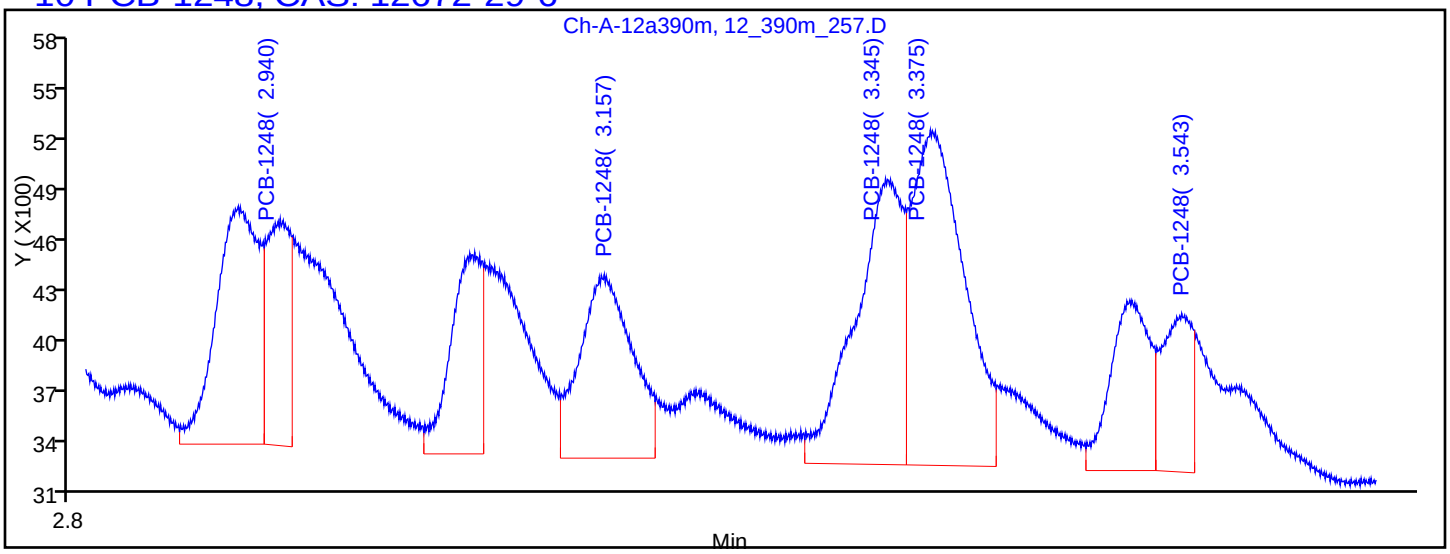
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 10

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

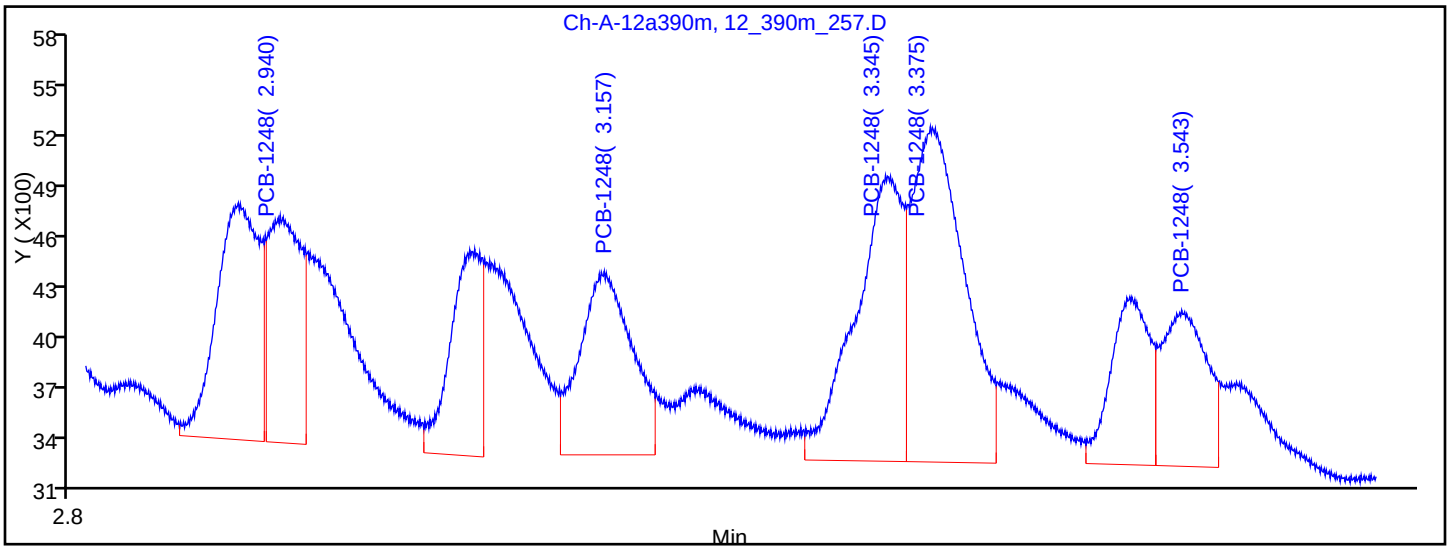
Column: Detector Ch-A-7A136

10 PCB-1248, CAS: 12672-29-6



Processing Integration Results

2.940	Response = 1359
3.157	Response = 2526
3.345	Response = 3557
3.375	Response = 4594
3.543	Response = 1243



Manual Integration Results

2.940	Response = 1900	M
3.157	Response = 2526	
3.345	Response = 3557	
3.375	Response = 4594	
3.543	Response = 1813	M

Reviewer: owenj, 15-May-2017 13:34:08

Audit Action: Assigned New Baseline Audit Reason: Split Peak

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1 Analy Batch No.: 357246

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/13/2017 13:04 Calibration End Date: 05/13/2017 13:35 Calibration ID: 30556

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-357246/10	12_390m_257.D
Level 2	IC 480-357246/9	12_390m_256.D
Level 3	IC 480-357246/8	12_390m_255.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3				B	M1	M2								
PCB-1248 Peak 1	0.0581	0.0318	0.0255			Lin1	0.0007	0.0262							0.9930		0.9900
PCB-1248 Peak 2	0.0557	0.0361	0.0326			Lin1	0.0005	0.0329							0.9990		0.9900
PCB-1248 Peak 3	0.0854	0.0564	0.0490			Lin1	0.0008	0.0498							0.9970		0.9900
PCB-1248 Peak 4	0.0687	0.0442	0.0411			Lin1	0.0006	0.0412							1.0000		0.9900
PCB-1248 Peak 5	0.0729	0.0529	0.0494			Lin1	0.0005	0.0497							0.9990		0.9900

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

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1 Analy Batch No.: 357246

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/13/2017 13:04 Calibration End Date: 05/13/2017 13:35 Calibration ID: 30556

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-357246/10	12_390m_257.D
Level 2	IC 480-357246/9	12_390m_256.D
Level 3	IC 480-357246/8	12_390m_255.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1	LVL 2	LVL 3			LVL 1	LVL 2	LVL 3		
PCB-1248 Peak 1	BNB	Lin1	2510	28873	93778			0.0200	0.500	2.00		
PCB-1248 Peak 2	BNB	Lin1	2406	32764	119745			0.0200	0.500	2.00		
PCB-1248 Peak 3	BNB	Lin1	3692	51166	179818			0.0200	0.500	2.00		
PCB-1248 Peak 4	BNB	Lin1	2970	40094	150933			0.0200	0.500	2.00		
PCB-1248 Peak 5	BNB	Lin1	3151	48012	181538			0.0200	0.500	2.00		

Curve Type Legend:
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_255.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 13-May-2017 13:04:43 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub5

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:44:19 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 15-May-2017 13:20:00

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.319	1.321	-0.002	999992	0.5000	0.5000	
2	1.616	1.618	-0.002	917891	0.5000	0.5000	
						RPD = 0.00	
10 PCB-1248							M
1	2.940	2.940	0.000	95422	2.00	1.98	M
1	3.154	3.157	-0.003	192298	2.00	1.89	M
1	3.341	3.345	-0.004	238393	2.00	1.98	M
1	3.372	3.375	-0.003	388398	2.00	1.94	M
1	3.541	3.543	-0.002	133165	2.00	1.95	M
		Average of Peak Amounts =				1.95	
2	3.535	3.539	-0.004	93778	2.00	1.92	M
2	3.737	3.741	-0.004	119745	2.00	1.97	
2	3.979	3.983	-0.004	179818	2.00	1.95	a
2	4.026	4.029	-0.003	150933	2.00	1.98	a
2	4.235	4.238	-0.003	181538	2.00	1.98	
		Average of Peak Amounts =				1.96	
						RPD = 0.74	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

1248w/IS@ 2.0_00005 Amount Added: 1.00 Units: mL

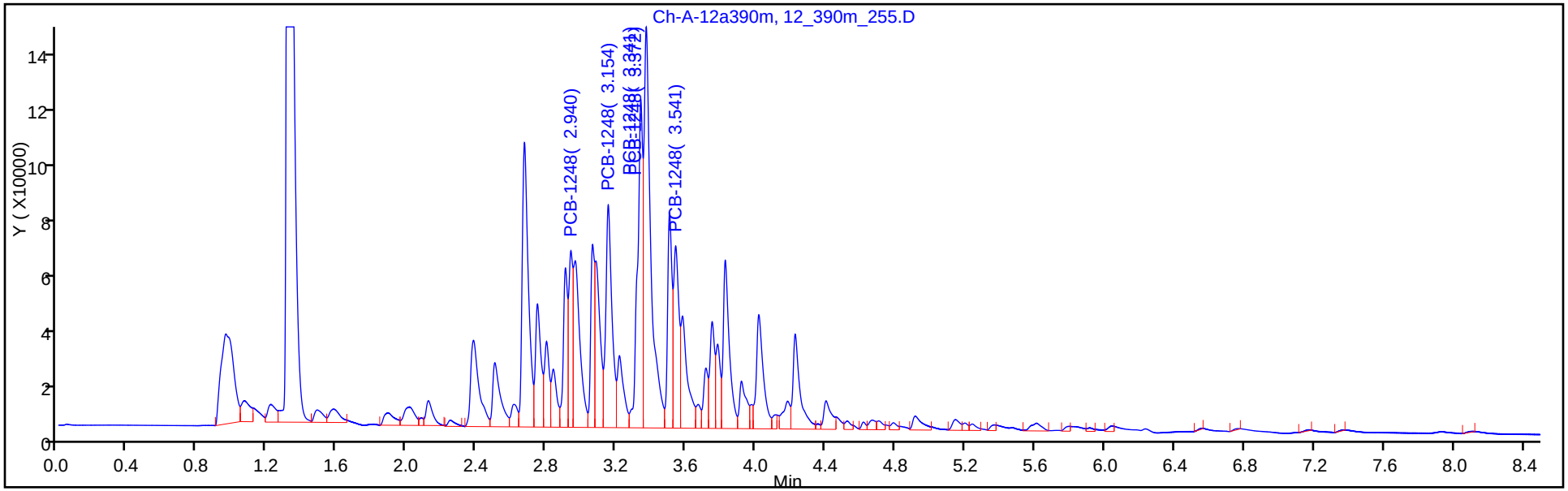
Report Date: 15-May-2017 13:44:19 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

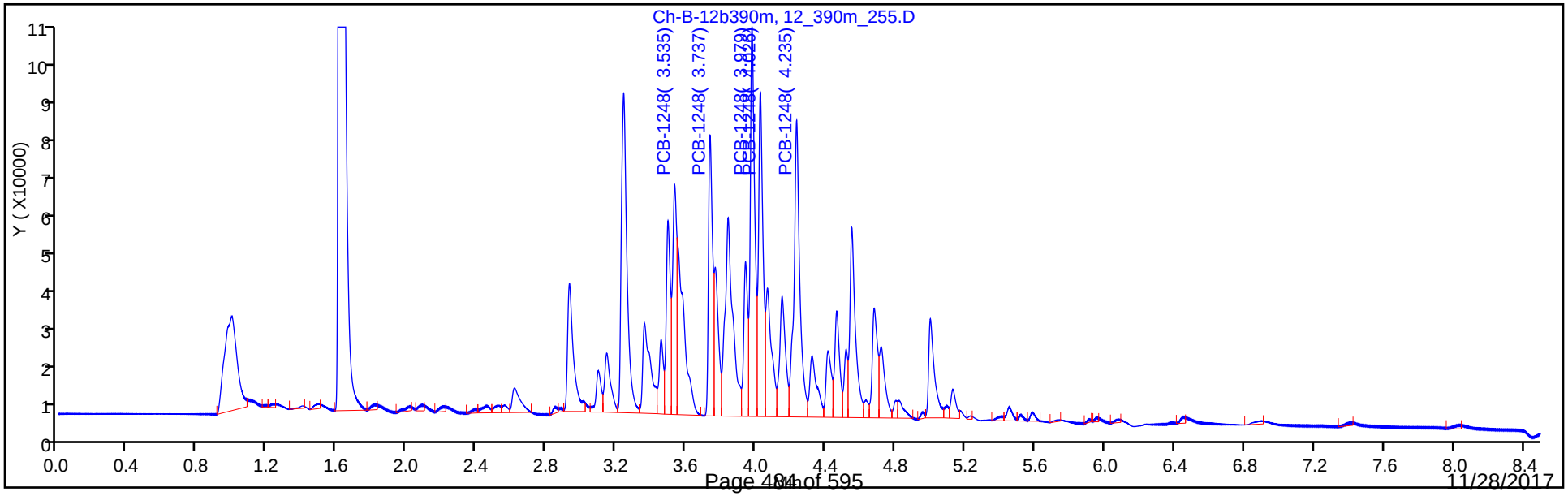
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_255.D

Injection Date:	13-May-2017 13:04:43	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Report Date: 15-May-2017 13:44:20 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_255.D

Injection Date: 13-May-2017 13:04:43 Instrument ID: HP5890-12

Lims ID: IC 3

Client ID:

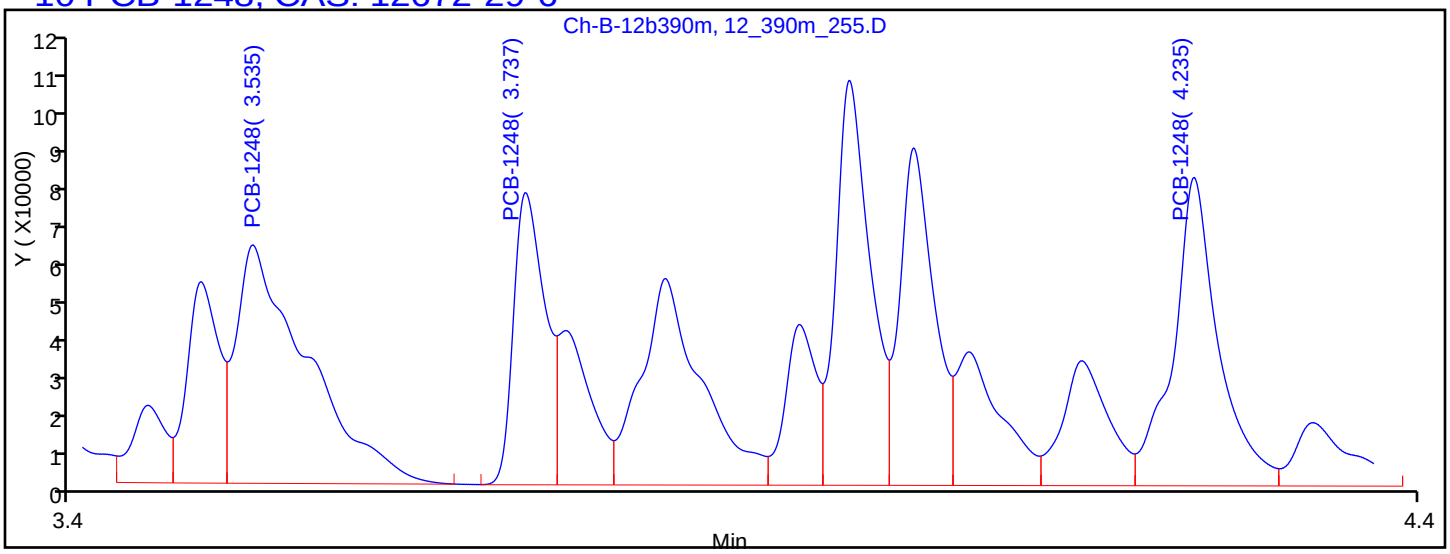
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 8

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

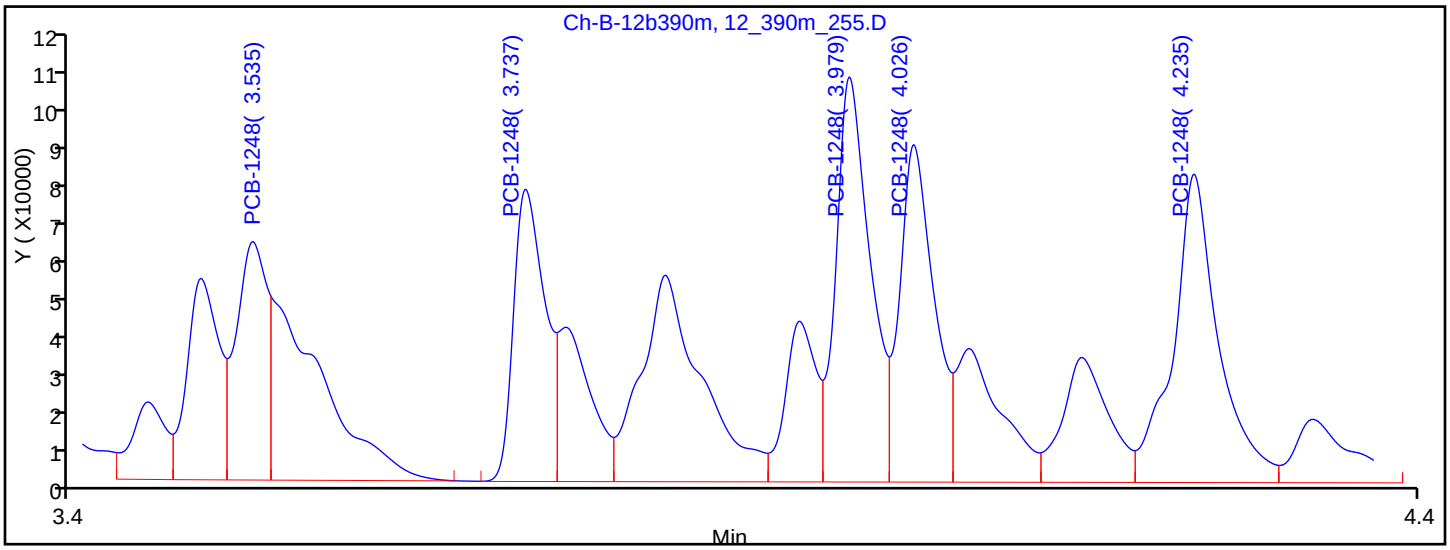
Column: Detector Ch-B-7b136

10 PCB-1248, CAS: 12672-29-6



Processing Integration Results

3.535	Response = 218932
3.737	Response = 119745
3.842	Response = 163201
3.979	Response = 179818
4.235	Response = 181538



Manual Integration Results

3.535	Response = 93778	M
3.737	Response = 119745	
3.979	Response = 179818	M
4.026	Response = 150933	M
4.235	Response = 181538	

Reviewer: owenj, 15-May-2017 13:40:28

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_256.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 13-May-2017 13:20:03 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub5

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:44:21 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 15-May-2017 13:20:30

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.319	1.321	-0.002	978936	0.5000	0.5000	
2	1.616	1.618	-0.002	907939	0.5000	0.5000	
						RPD = 0.00	
10 PCB-1248							M
1	2.941	2.940	0.001	24981	0.5000	0.5205	M
1	3.157	3.157	0.000	52994	0.5000	0.5316	
1	3.343	3.345	-0.002	62236	0.5000	0.5239	
1	3.375	3.375	0.000	111348	0.5000	0.5666	
1	3.543	3.543	0.000	37302	0.5000	0.5550	
		Average of Peak Amounts =				0.5395	
2	3.537	3.539	-0.002	28873	0.5000	0.5800	M
2	3.741	3.741	0.000	32764	0.5000	0.5335	M
2	3.981	3.983	-0.002	51166	0.5000	0.5501	a
2	4.029	4.029	0.000	40094	0.5000	0.5213	a
2	4.237	4.238	-0.001	48012	0.5000	0.5218	
		Average of Peak Amounts =				0.5413	
						RPD = 0.34	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

1248w/IS@ 0.5_00008 Amount Added: 1.00 Units: mL

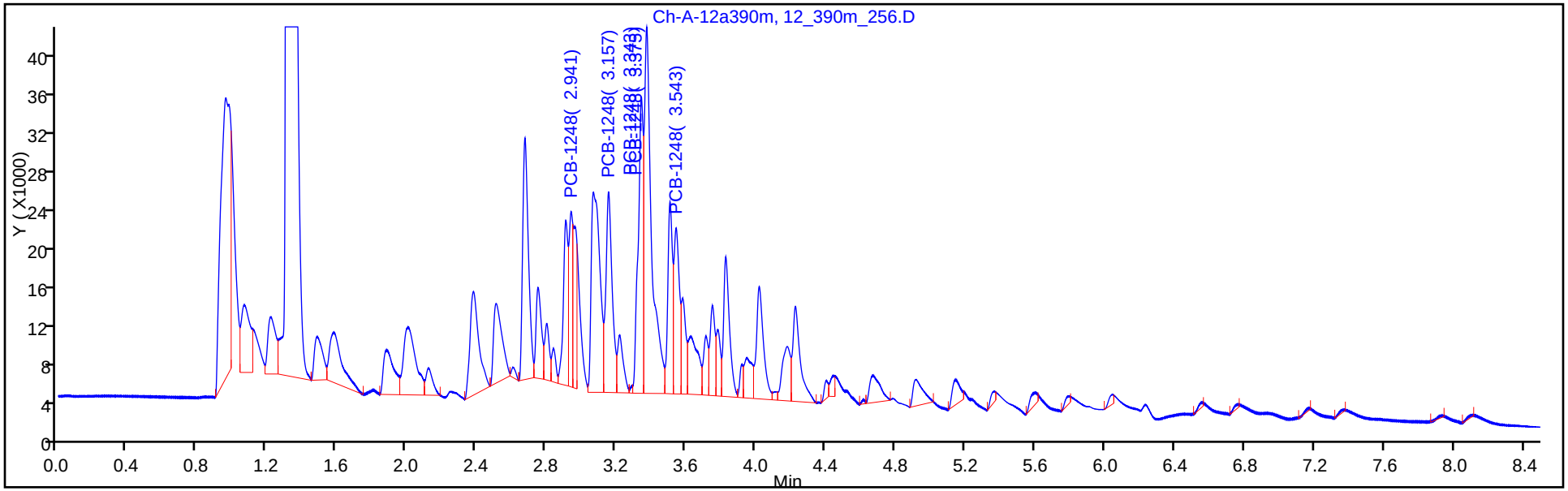
Report Date: 15-May-2017 13:44:22 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

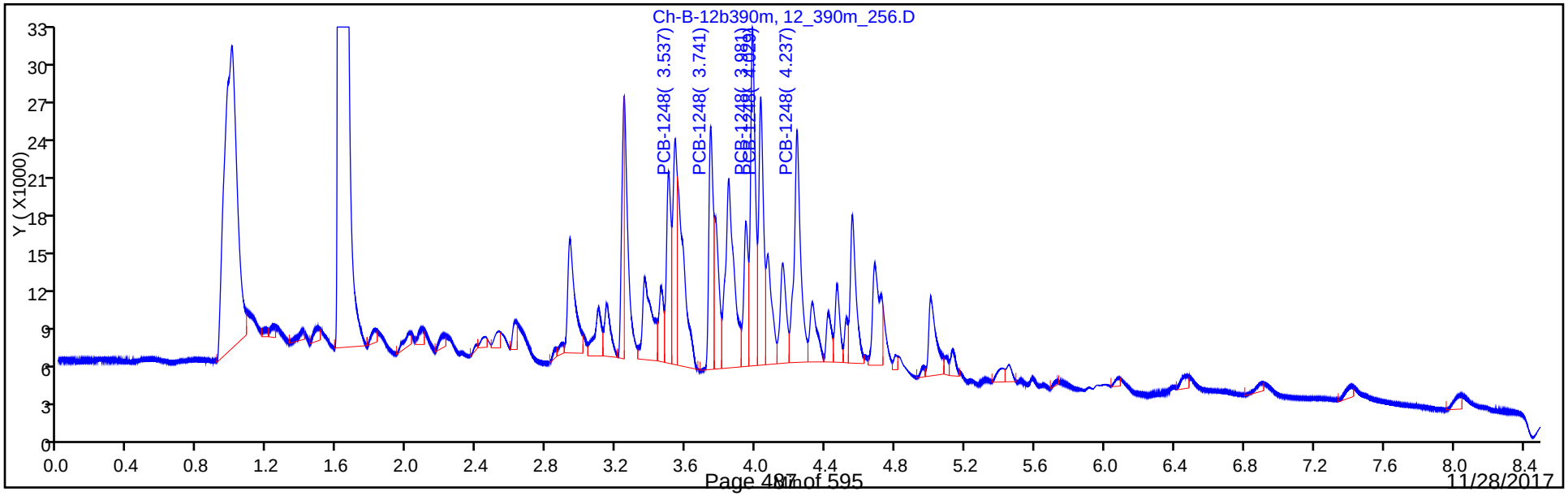
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_256.D

Injection Date:	13-May-2017 13:20:03	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Report Date: 15-May-2017 13:44:22 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_256.D

Injection Date: 13-May-2017 13:20:03 Instrument ID: HP5890-12

Lims ID: IC 2

Client ID:

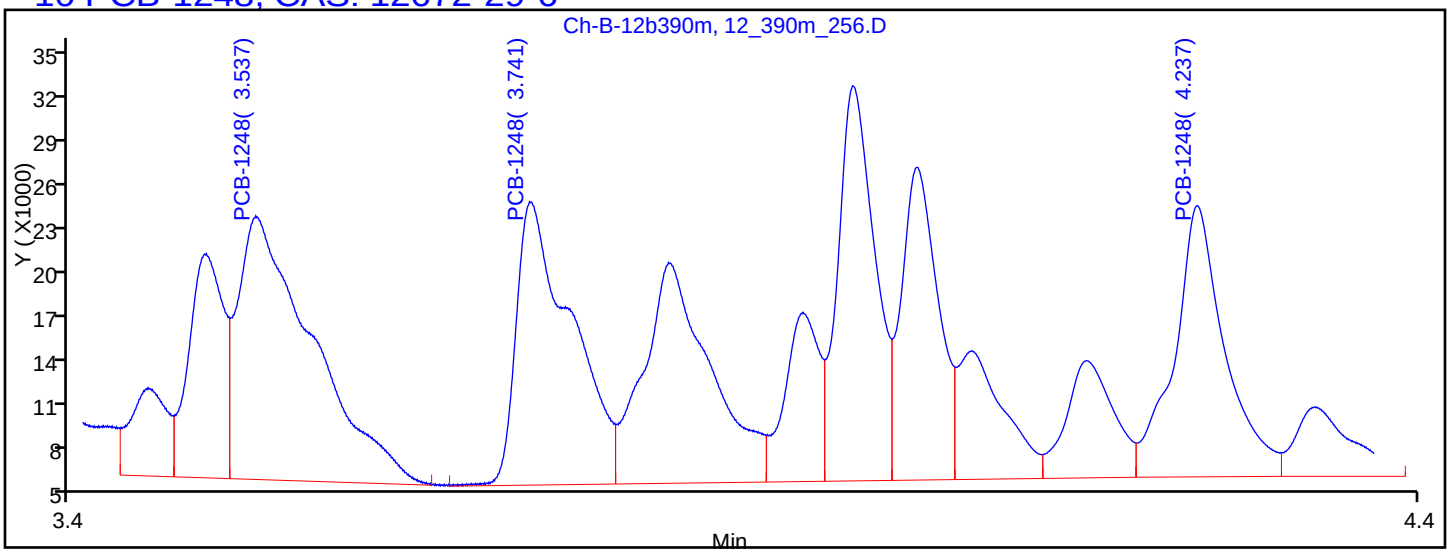
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 9

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

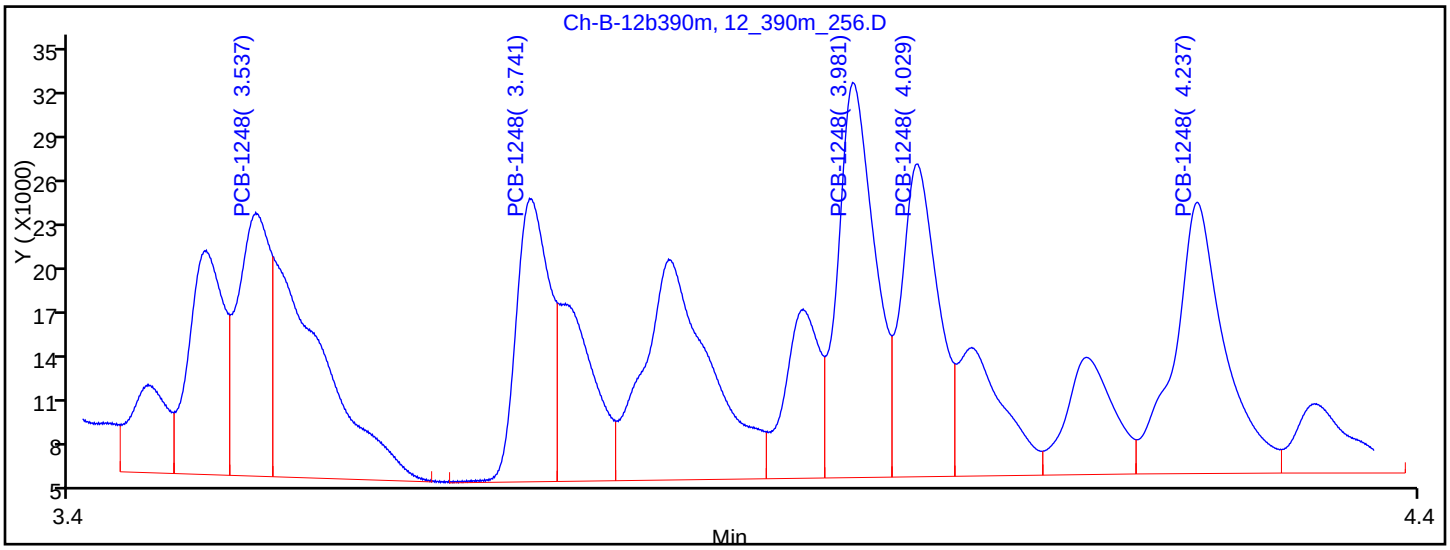
Column: Detector Ch-B-7b136

10 PCB-1248, CAS: 12672-29-6



Processing Integration Results

3.537	Response = 68838
3.741	Response = 54957
3.844	Response = 51800
3.981	Response = 51166
4.237	Response = 48012



Manual Integration Results

3.537	Response = 28873	M
3.741	Response = 32764	M
3.981	Response = 51166	M
4.029	Response = 40094	M
4.237	Response = 48012	

Reviewer: owenj, 15-May-2017 13:36:47

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 13-May-2017 13:35:27 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub5

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 15-May-2017 13:44:24 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK026

First Level Reviewer: owenj Date: 15-May-2017 13:21:37

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							M
1	1.319	1.319	0.000	1249260	0.5000	0.5000	M
2	1.617	1.617	0.000	1080655	0.5000	0.5000	
						RPD = 0.00	
10 PCB-1248							M
1	2.940	2.940	0.000	1900	0.0200	0.0194	M
1	3.157	3.157	0.000	2526	0.0200	0.0199	
1	3.345	3.345	0.000	3557	0.0200	0.0193	
1	3.375	3.375	0.000	4594	0.0200	0.0180	
1	3.543	3.543	0.000	1813	0.0200	0.0183	M
		Average of Peak Amounts =				0.0190	
2	3.539	3.539	0.000	2510	0.0200	0.0176	M
2	3.741	3.741	0.000	2406	0.0200	0.0190	M
2	3.983	3.983	0.000	3692	0.0200	0.0185	M
2	4.029	4.029	0.000	2970	0.0200	0.0194	M
2	4.238	4.238	0.000	3151	0.0200	0.0193	M
		Average of Peak Amounts =				0.0187	
						RPD = 1.16	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

1248w/IS@ .02_00005 Amount Added: 1.00 Units: mL

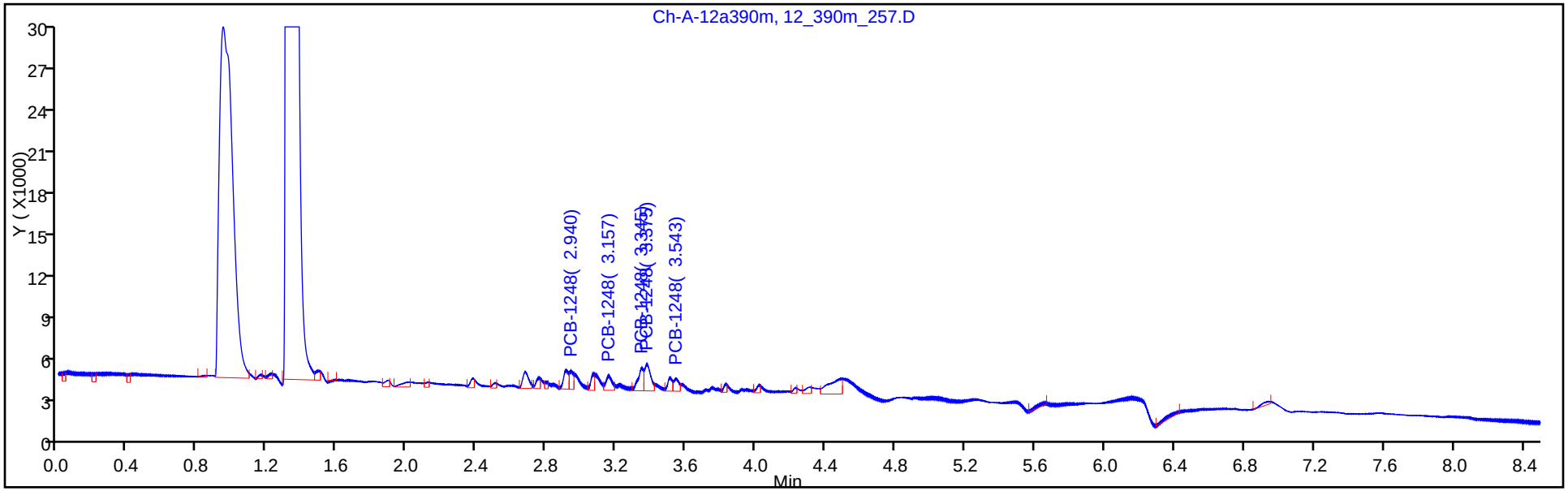
Report Date: 15-May-2017 13:44:24 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Buffalo

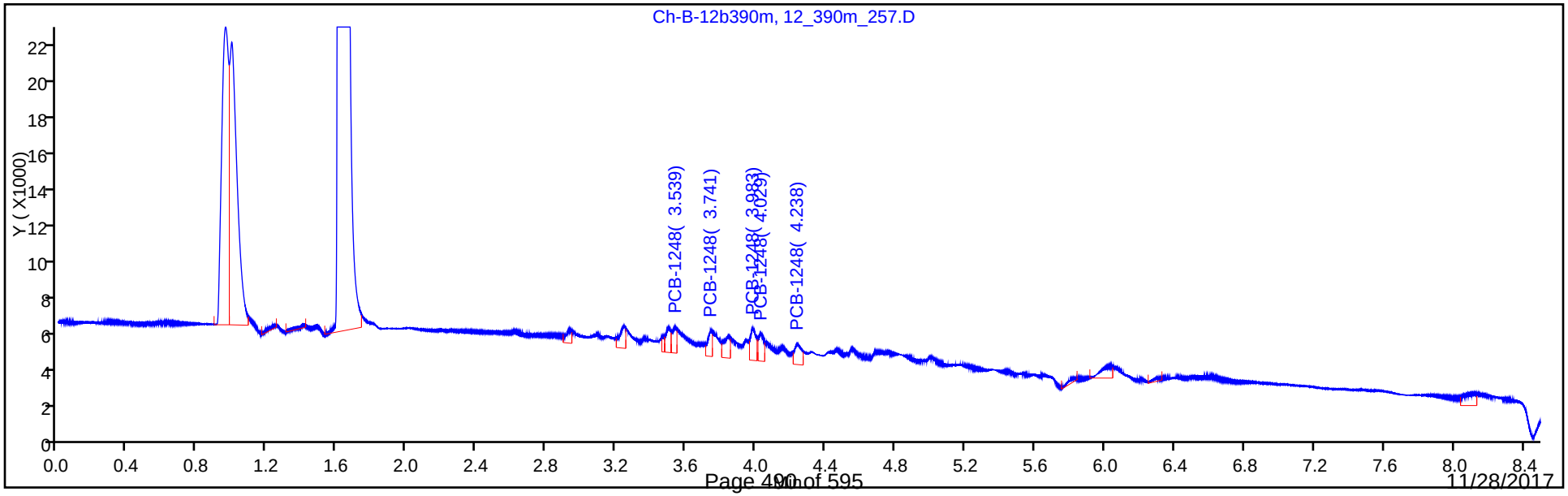
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Injection Date:	13-May-2017 13:35:27	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	IC 1			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



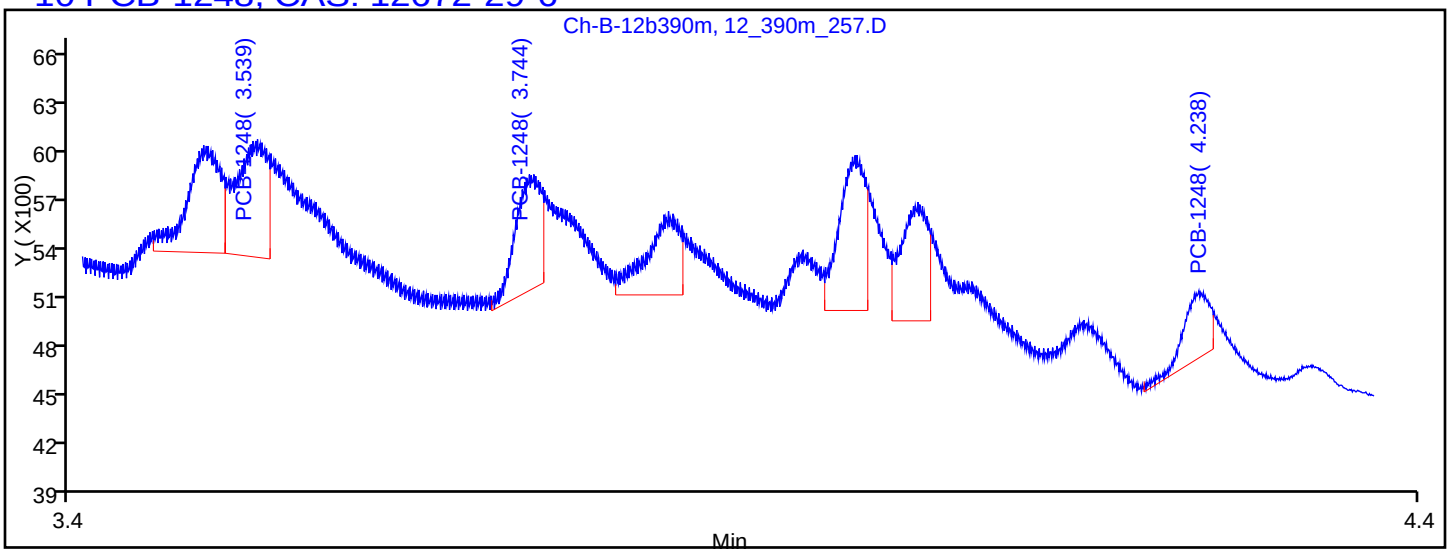
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TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

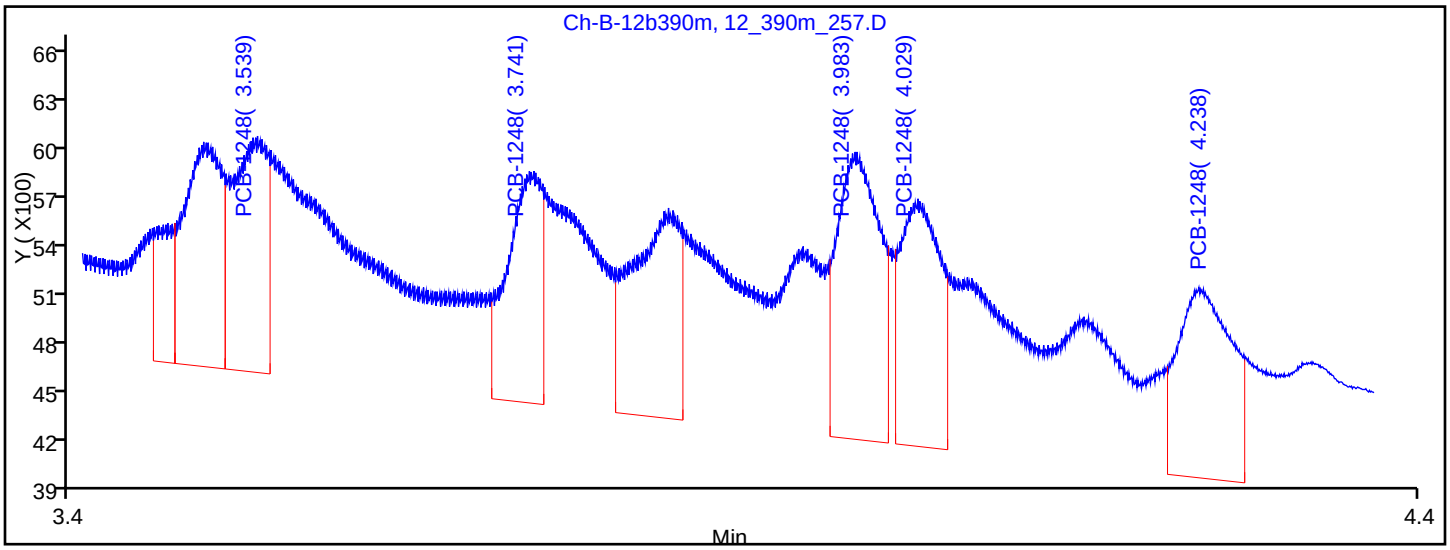
Injection Date:	13-May-2017 13:35:27	Instrument ID:	HP5890-12		
Lims ID:	IC 1				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

10 PCB-1248, CAS: 12672-29-6



Processing Integration Results

3.539	Response = 1092
3.744	Response = 906
3.844	Response = 802
3.984	Response = 1210
4.238	Response = 543



Manual Integration Results

3.539	Response = 2510	M
3.741	Response = 2406	M
3.983	Response = 3692	M
4.029	Response = 2970	M
4.238	Response = 3151	M

Reviewer: owenj, 15-May-2017 13:39:10

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Lab Sample ID: CCVIS 480-389001/4 Calibration Date: 11/24/2017 11:03

Instrument ID: HP5890-12 Calib Start Date: 05/11/2017 15:46

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/11/2017 18:19

Lab File ID: 12_006_198.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0272	0.0246		0.452	0.500	-9.5	20.0
PCB-1016 Peak 2	Ave	0.0290	0.0336		0.580	0.500	15.9	20.0
PCB-1016 Peak 3	Ave	0.0988	0.0987		0.500	0.500	-0.0	20.0
PCB-1016 Peak 4	Lin1		0.0429		0.559	0.500	11.7	20.0
PCB-1016 Peak 5	Lin1		0.0222		0.467	0.500	-6.5	20.0
PCB-1260 Peak 1	Lin1		0.0496		0.429	0.500	-14.1	20.0
PCB-1260 Peak 2	Lin1		0.0868		0.562	0.500	12.3	20.0
PCB-1260 Peak 3	Ave	0.0437	0.0380		0.434	0.500	-13.1	20.0
PCB-1260 Peak 4	Lin1		0.0323		0.445	0.500	-11.0	20.0
PCB-1260 Peak 5	Lin1		0.0472		0.475	0.500	-5.1	20.0
Tetrachloro-m-xylene	Lin1		1.067		0.0133	0.0125	6.5	20.0
DCB Decachlorobiphenyl	Ave	1.313	1.513		0.0144	0.0125	15.3	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Lab Sample ID: CCVIS 480-389001/4 Calibration Date: 11/24/2017 11:03

Instrument ID: HP5890-12 Calib Start Date: 05/11/2017 15:46

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/11/2017 18:19

Lab File ID: 12_006_198.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	1.91	1.88	1.94
PCB-1016 Peak 2	2.27	2.24	2.30
PCB-1016 Peak 3	2.44	2.41	2.47
PCB-1016 Peak 4	2.50	2.47	2.53
PCB-1016 Peak 5	2.55	2.52	2.58
PCB-1260 Peak 1	3.90	3.87	3.93
PCB-1260 Peak 2	4.12	4.09	4.15
PCB-1260 Peak 3	4.24	4.21	4.27
PCB-1260 Peak 4	4.42	4.39	4.45
PCB-1260 Peak 5	4.85	4.82	4.88
Tetrachloro-m-xylene	1.72	1.69	1.75
DCB Decachlorobiphenyl	5.83	5.80	5.86

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_198.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 24-Nov-2017 11:03:39 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 27-Nov-2017 11:11:35 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: gentnert Date: 27-Nov-2017 11:11:35

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							M
1	1.171	1.171	0.000	879593	0.5000	0.5000	M
2	1.446	1.446	0.000	911043	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.717	1.717	0.000	23467	0.0125	0.0133	M
2	2.005	2.005	0.000	26767	0.0125	0.0164	M
						RPD = 20.92	
9 PCB-1016							M
1	1.909	1.909	0.000	21641	0.5000	0.4524	M
1	2.267	2.267	0.000	29530	0.5000	0.5796	M
1	2.436	2.436	0.000	86822	0.5000	0.4997	M
1	2.504	2.504	0.000	37752	0.5000	0.5587	M
1	2.554	2.554	0.000	19563	0.5000	0.4673	M
		Average of Peak Amounts =				0.5115	
2	2.390	2.390	0.000	23912	0.5000	0.6407	M
2	2.699	2.699	0.000	49840	0.5000	0.6517	M
2	2.905	2.905	0.000	27471	0.5000	0.5808	M
2	3.001	3.001	0.000	102172	0.5000	0.6962	M
2	3.116	3.116	0.000	45482	0.5000	0.7452	M
		Average of Peak Amounts =				0.6629	
						RPD = 25.79	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	3.904	3.904	0.000	43640	0.5000	0.4294	M
1	4.115	4.115	0.000	76307	0.5000	0.5616	M
1	4.239	4.239	0.000	33419	0.5000	0.4343	
1	4.419	4.419	0.000	28429	0.5000	0.4452	
1	4.846	4.846	0.000	41494	0.5000	0.4746	
		Average of Peak Amounts =				0.4690	
2	4.850	4.850	0.000	65101	0.5000	0.6827	
2	5.165	5.165	0.000	39574	0.5000	0.4959	
2	5.233	5.233	0.000	38635	0.5000	0.6487	
2	5.300	5.300	0.000	91276	0.5000	0.4306	
2	5.640	5.640	0.000	61142	0.5000	0.4398	
		Average of Peak Amounts =				0.5395	
						RPD = 13.99	
2 1260 Res 1							
1	4.846	4.846	0.000	41494	NC	NC	
2	5.165	5.165	0.000	39574	NC	NC	
4 1260 Res 2							
1	4.904	4.904	0.000	21897	NC	NC	
2	5.233	5.233	0.000	38635	NC	NC	
3 1260 Res 3							
1	4.945	4.945	0.000	31997	NC	NC	
2	5.300	5.300	0.000	91276	NC	NC	
$ 15 DCB Decachlorobiphenyl							
1	5.827	5.827	0.000	33269	0.0125	0.0144	
2	6.768	6.768	0.000	31886	0.0125	0.0130	
						RPD = 10.31	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

1660sur/is0.5_00016 Amount Added: 1.00 Units: mL

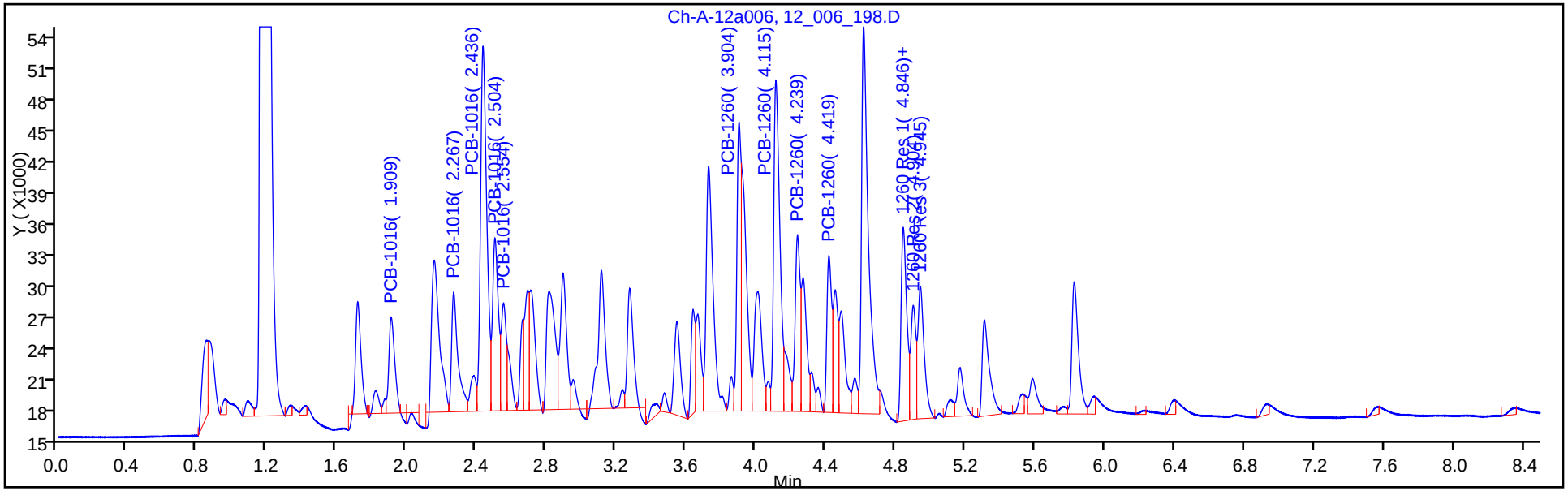
Report Date: 27-Nov-2017 11:11:36 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

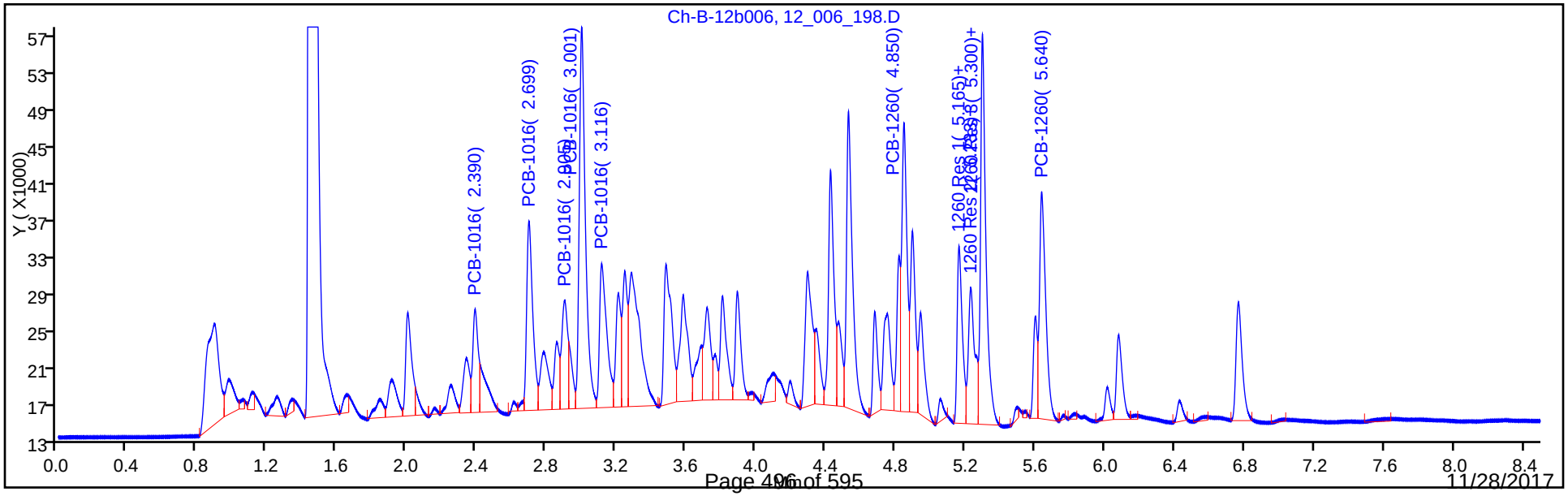
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Injection Date:	24-Nov-2017 11:03:39	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	CCVIS			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

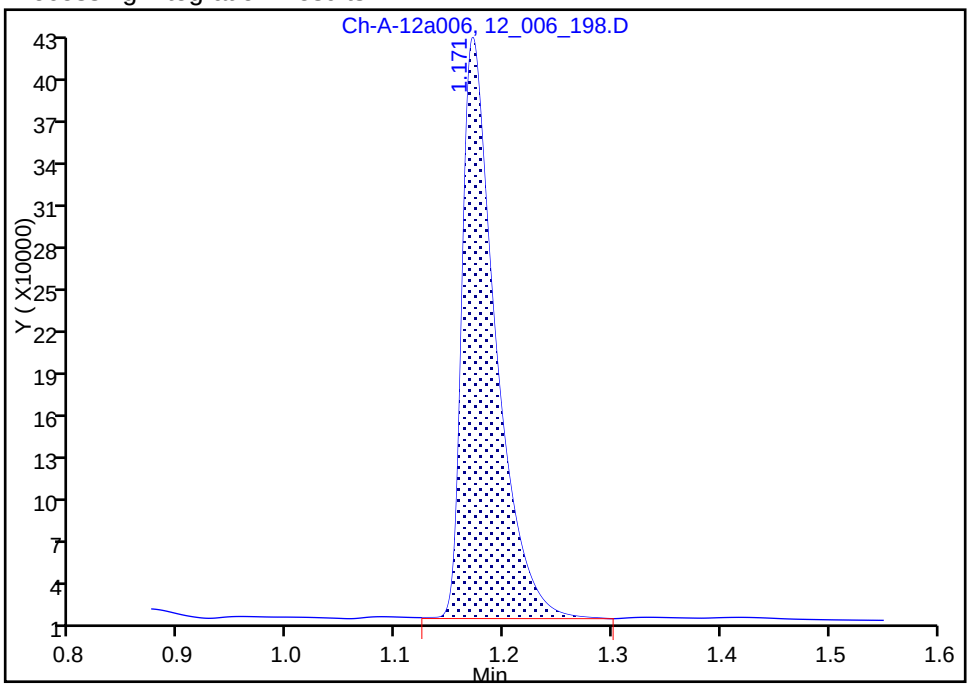
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Injection Date: 24-Nov-2017 11:03:39 Instrument ID: HP5890-12
Lims ID: CCVIS
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: ZB-5 (0.53 mm) Detector Ch-A-7A136

* 1 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

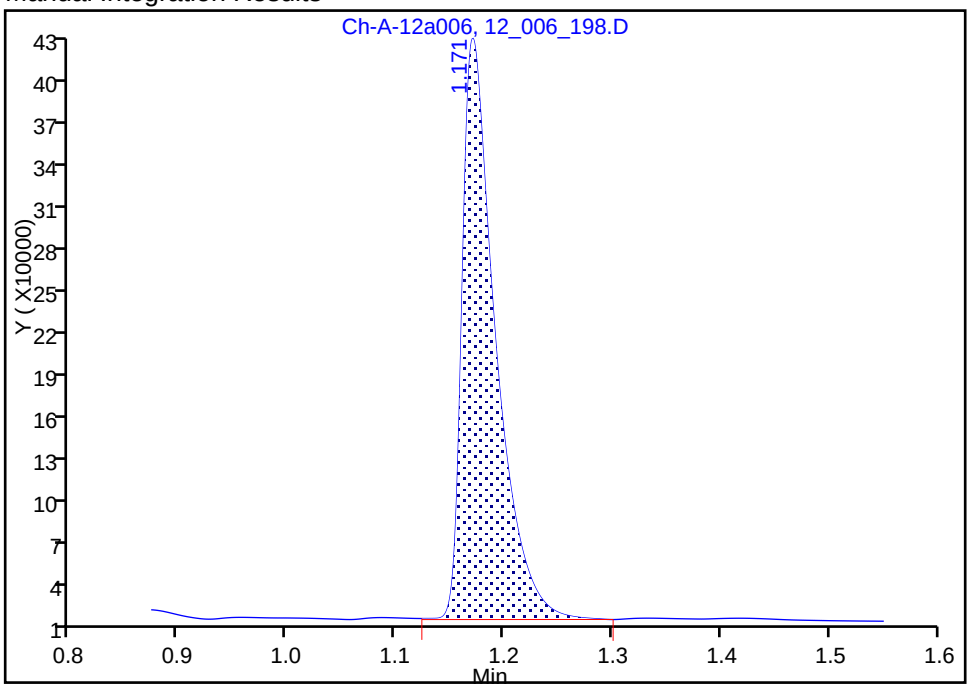
Processing Integration Results

RT: 1.17
Area: 879131
Amount: 0.500000
Amount Units: ng/uL



Manual Integration Results

RT: 1.17
Area: 879593
Amount: 0.500000
Amount Units: ng/uL



Reviewer: owenj, 24-Nov-2017 11:38:07
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

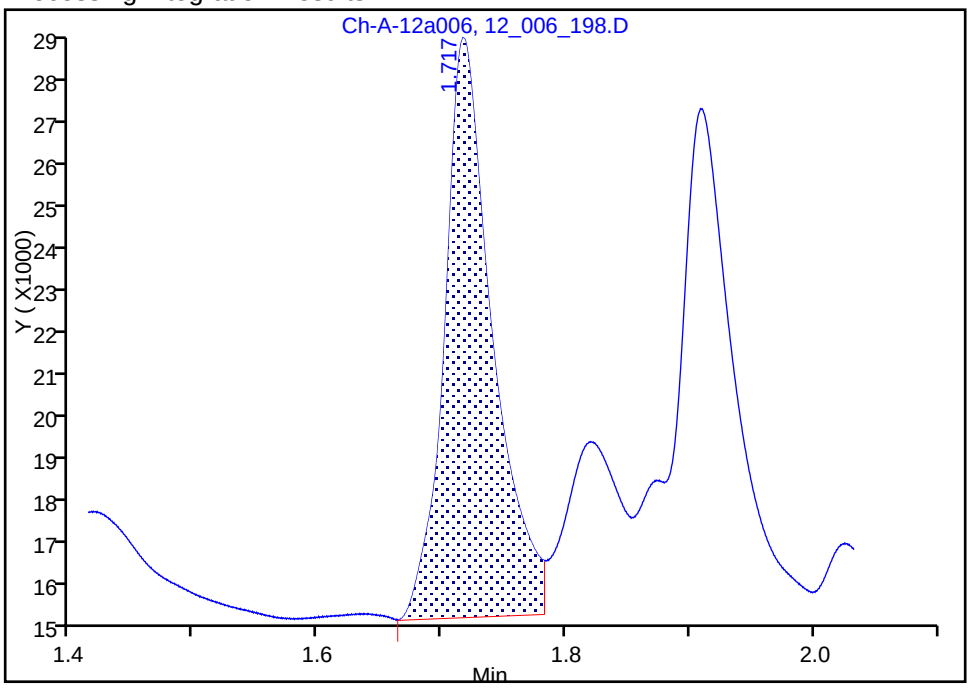
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Injection Date: 24-Nov-2017 11:03:39 Instrument ID: HP5890-12
Lims ID: CCVIS
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: ZB-5 (0.53 mm) Detector Ch-A-7A136

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 1

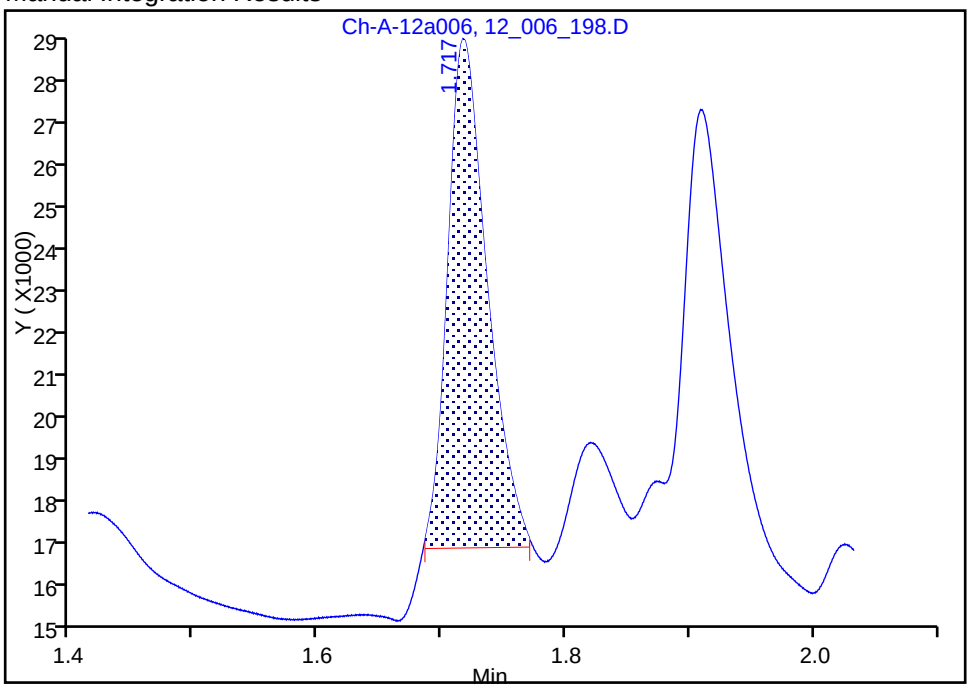
Processing Integration Results

RT: 1.72
Area: 32608
Amount: 0.018431
Amount Units: ng/uL



Manual Integration Results

RT: 1.72
Area: 23467
Amount: 0.013308
Amount Units: ng/uL



Reviewer: owenj, 24-Nov-2017 11:38:16
Audit Action: Split an Integrated Peak Audit Reason: Baseline Smoothing

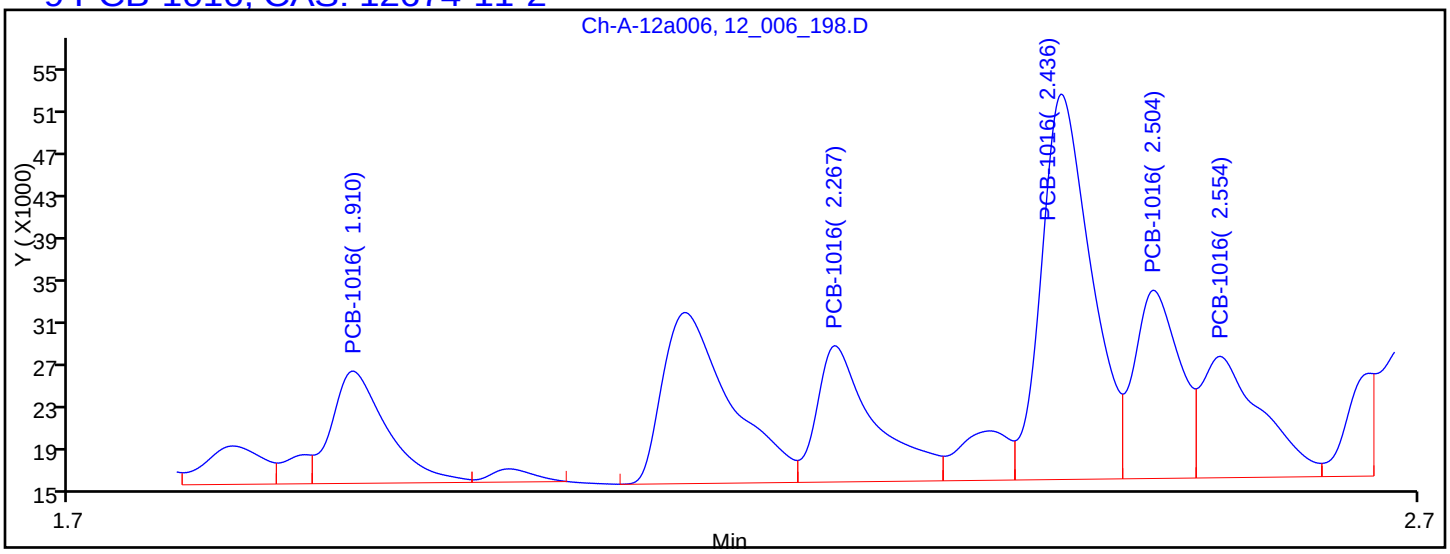
Report Date: 27-Nov-2017 11:11:37 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_198.D

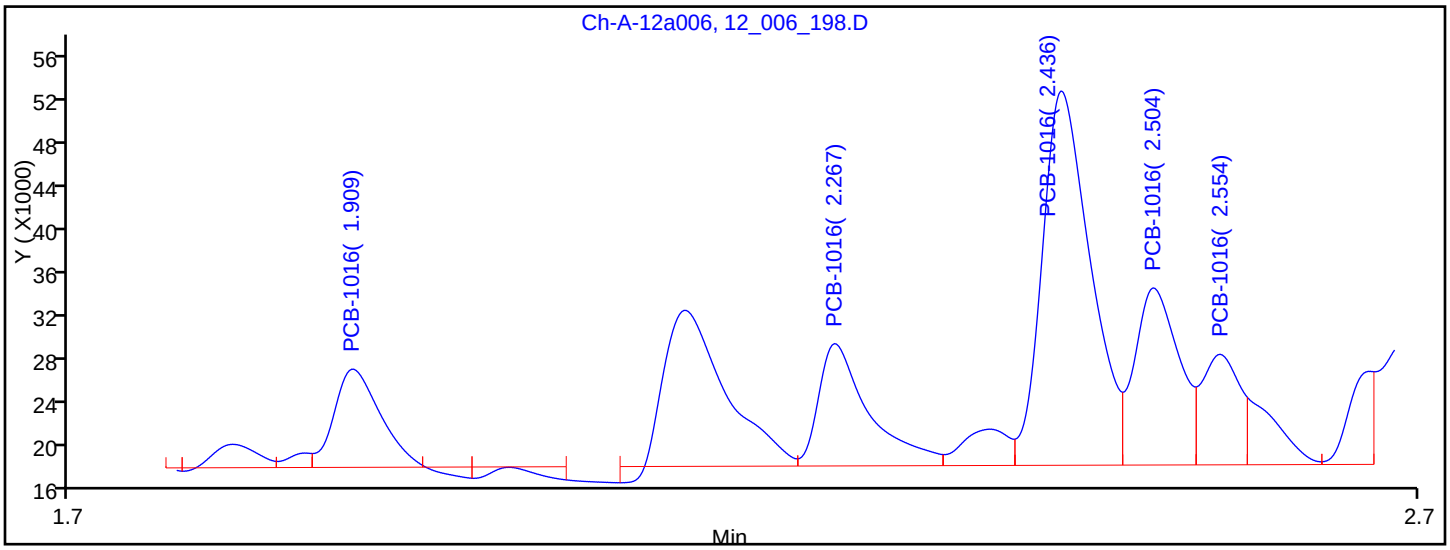
Injection Date:	24-Nov-2017 11:03:39	Instrument ID:	HP5890-12		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:	ZB-5 (0.53 mm)	Detector	Ch-A-7A136		

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

1.910	Response = 29727
2.267	Response = 38058
2.436	Response = 92426
2.504	Response = 41355
2.554	Response = 35161



Manual Integration Results

1.909	Response = 21641	M
2.267	Response = 29530	M
2.436	Response = 86822	M
2.504	Response = 37752	M
2.554	Response = 19563	M

Reviewer: owenj, 24-Nov-2017 11:38:07

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 27-Nov-2017 11:11:37 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_198.D

Injection Date: 24-Nov-2017 11:03:39 Instrument ID: HP5890-12

Lims ID: CCVIS

Client ID:

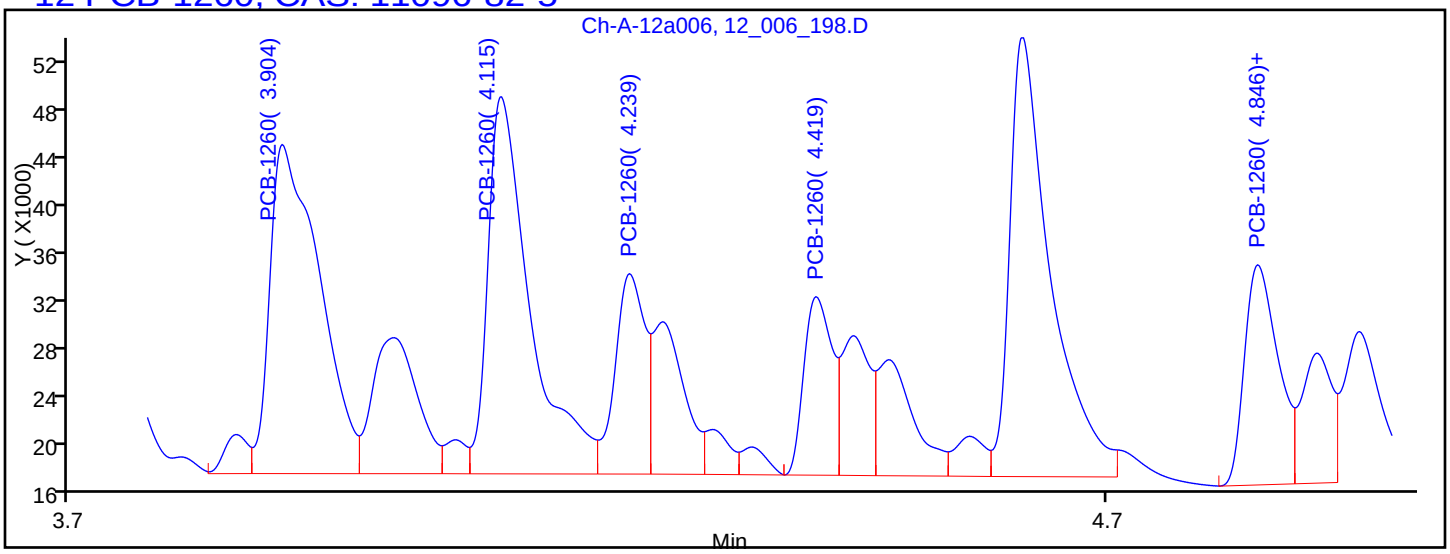
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 4

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

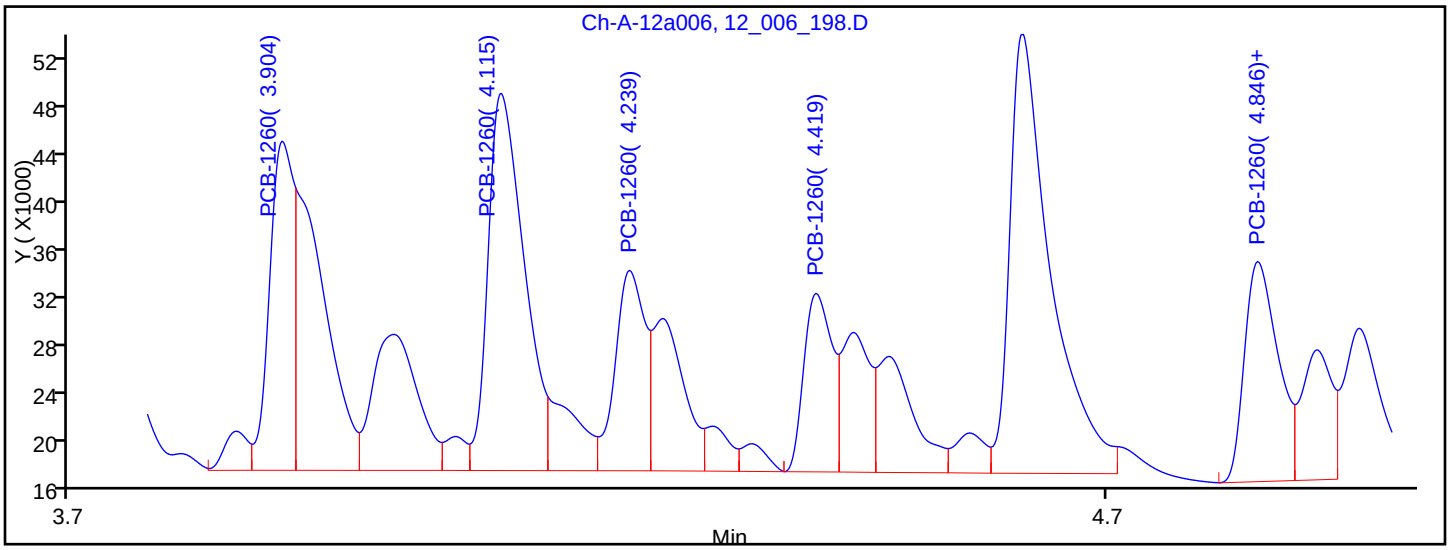
Column: ZB-5 (0.53 mm) Detector Ch-A-7A136

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

3.904	Response = 91738
4.115	Response = 89262
4.239	Response = 33419
4.419	Response = 28429
4.846	Response = 41494



Manual Integration Results

3.904	Response = 43640	M
4.115	Response = 76307	M
4.239	Response = 33419	
4.419	Response = 28429	
4.846	Response = 41494	

Reviewer: owenj, 24-Nov-2017 11:38:32

Audit Action: Split an Integrated Peak Audit Reason: Baseline Smoothing

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Lab Sample ID: CCVIS 480-389001/4 Calibration Date: 11/24/2017 11:03

Instrument ID: HP5890-12 Calib Start Date: 05/11/2017 15:46

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/11/2017 18:19

Lab File ID: 12_006_198.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin1		0.0263		0.641	0.500	28.1*	20.0
PCB-1016 Peak 2	Lin1		0.0547		0.652	0.500	30.3*	20.0
PCB-1016 Peak 3	Lin1		0.0302		0.581	0.500	16.2	20.0
PCB-1016 Peak 4	Lin1		0.1122		0.696	0.500	39.2*	20.0
PCB-1016 Peak 5	Ave	0.0335	0.0499		0.745	0.500	49.0*	20.0
PCB-1260 Peak 1	Lin1		0.0715		0.683	0.500	36.5*	20.0
PCB-1260 Peak 2	Lin1		0.0434		0.496	0.500	-0.8	20.0
PCB-1260 Peak 3	Lin1		0.0424		0.649	0.500	29.7*	20.0
PCB-1260 Peak 4	Lin1		0.1002		0.431	0.500	-13.9	20.0
PCB-1260 Peak 5	Lin1		0.0671		0.440	0.500	-12.0	20.0
Tetrachloro-m-xylene	Lin1		1.175		0.0164	0.0125	31.3*	20.0
DCB Decachlorobiphenyl	Lin1		1.400		0.0130	0.0125	4.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Lab Sample ID: CCVIS 480-389001/4 Calibration Date: 11/24/2017 11:03

Instrument ID: HP5890-12 Calib Start Date: 05/11/2017 15:46

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/11/2017 18:19

Lab File ID: 12_006_198.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.39	2.36	2.42
PCB-1016 Peak 2	2.70	2.67	2.73
PCB-1016 Peak 3	2.91	2.88	2.94
PCB-1016 Peak 4	3.00	2.97	3.03
PCB-1016 Peak 5	3.12	3.09	3.15
PCB-1260 Peak 1	4.85	4.82	4.88
PCB-1260 Peak 2	5.17	5.14	5.20
PCB-1260 Peak 3	5.23	5.20	5.26
PCB-1260 Peak 4	5.30	5.27	5.33
PCB-1260 Peak 5	5.64	5.61	5.67
Tetrachloro-m-xylene	2.01	1.98	2.04
DCB Decachlorobiphenyl	6.77	6.74	6.80

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_198.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 24-Nov-2017 11:03:39 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub1

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 27-Nov-2017 11:11:35 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: gentnert Date: 27-Nov-2017 11:11:35

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							M
1	1.171	1.171	0.000	879593	0.5000	0.5000	M
2	1.446	1.446	0.000	911043	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.717	1.717	0.000	23467	0.0125	0.0133	M
2	2.005	2.005	0.000	26767	0.0125	0.0164	M
						RPD = 20.92	
9 PCB-1016							M
1	1.909	1.909	0.000	21641	0.5000	0.4524	M
1	2.267	2.267	0.000	29530	0.5000	0.5796	M
1	2.436	2.436	0.000	86822	0.5000	0.4997	M
1	2.504	2.504	0.000	37752	0.5000	0.5587	M
1	2.554	2.554	0.000	19563	0.5000	0.4673	M
		Average of Peak Amounts =				0.5115	
2	2.390	2.390	0.000	23912	0.5000	0.6407	M
2	2.699	2.699	0.000	49840	0.5000	0.6517	M
2	2.905	2.905	0.000	27471	0.5000	0.5808	M
2	3.001	3.001	0.000	102172	0.5000	0.6962	M
2	3.116	3.116	0.000	45482	0.5000	0.7452	M
		Average of Peak Amounts =				0.6629	
						RPD = 25.79	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	3.904	3.904	0.000	43640	0.5000	0.4294	M
1	4.115	4.115	0.000	76307	0.5000	0.5616	M
1	4.239	4.239	0.000	33419	0.5000	0.4343	
1	4.419	4.419	0.000	28429	0.5000	0.4452	
1	4.846	4.846	0.000	41494	0.5000	0.4746	
		Average of Peak Amounts =				0.4690	
2	4.850	4.850	0.000	65101	0.5000	0.6827	
2	5.165	5.165	0.000	39574	0.5000	0.4959	
2	5.233	5.233	0.000	38635	0.5000	0.6487	
2	5.300	5.300	0.000	91276	0.5000	0.4306	
2	5.640	5.640	0.000	61142	0.5000	0.4398	
		Average of Peak Amounts =				0.5395	
						RPD = 13.99	
2 1260 Res 1							
1	4.846	4.846	0.000	41494	NC	NC	
2	5.165	5.165	0.000	39574	NC	NC	
4 1260 Res 2							
1	4.904	4.904	0.000	21897	NC	NC	
2	5.233	5.233	0.000	38635	NC	NC	
3 1260 Res 3							
1	4.945	4.945	0.000	31997	NC	NC	
2	5.300	5.300	0.000	91276	NC	NC	
$ 15 DCB Decachlorobiphenyl							
1	5.827	5.827	0.000	33269	0.0125	0.0144	
2	6.768	6.768	0.000	31886	0.0125	0.0130	
						RPD = 10.31	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

1660sur/is0.5_00016 Amount Added: 1.00 Units: mL

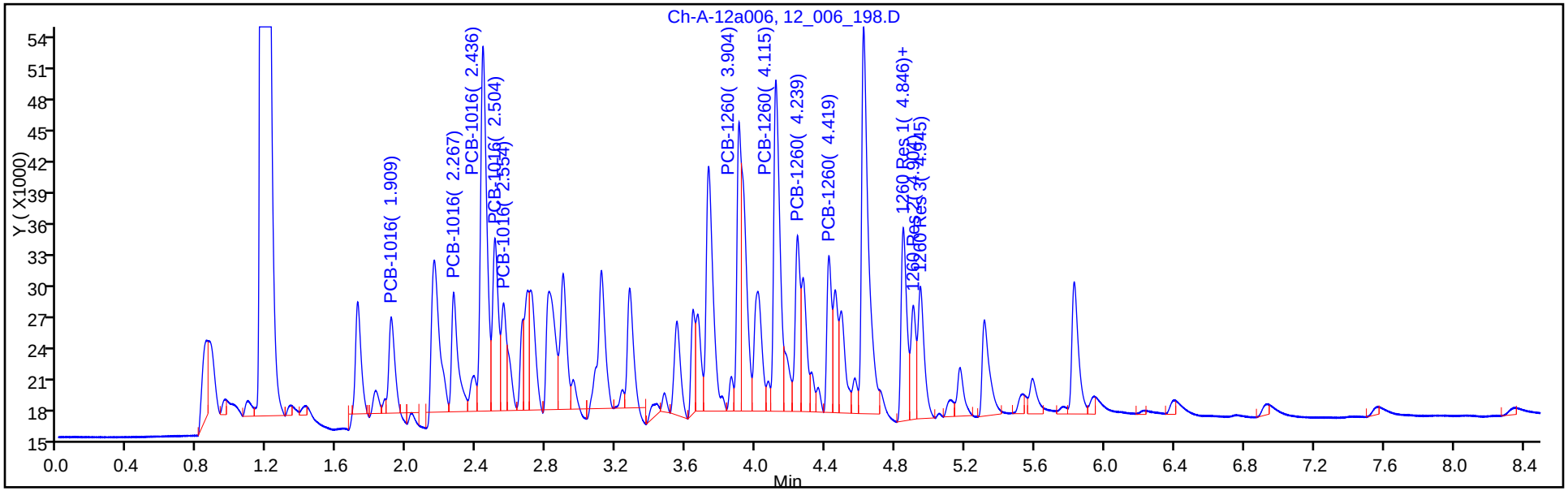
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TestAmerica Buffalo

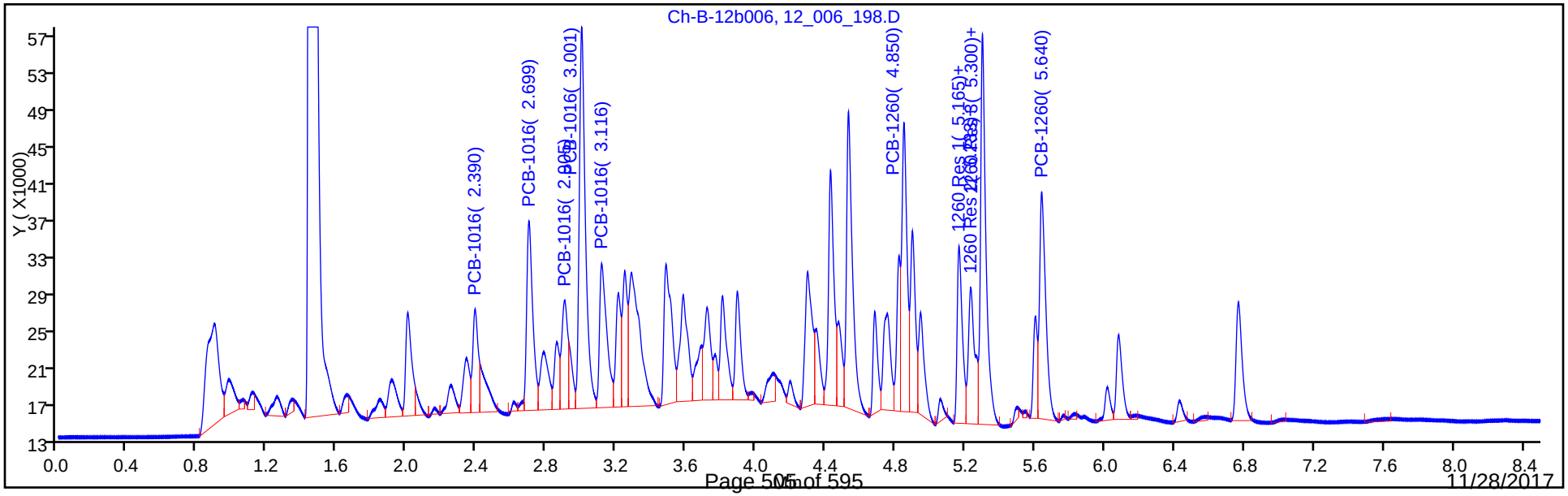
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Injection Date:	24-Nov-2017 11:03:39	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	CCVIS			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

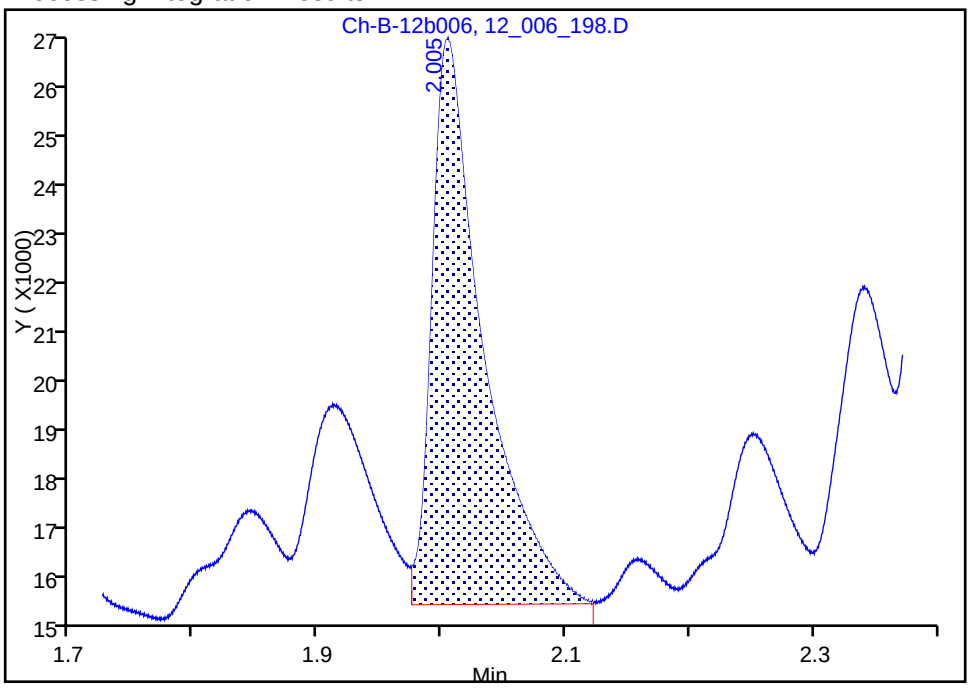
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Injection Date: 24-Nov-2017 11:03:39 Instrument ID: HP5890-12
Lims ID: CCVIS
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL
Column: ZB-35 (0.53 mm) Detector Ch-B-7b136

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 2

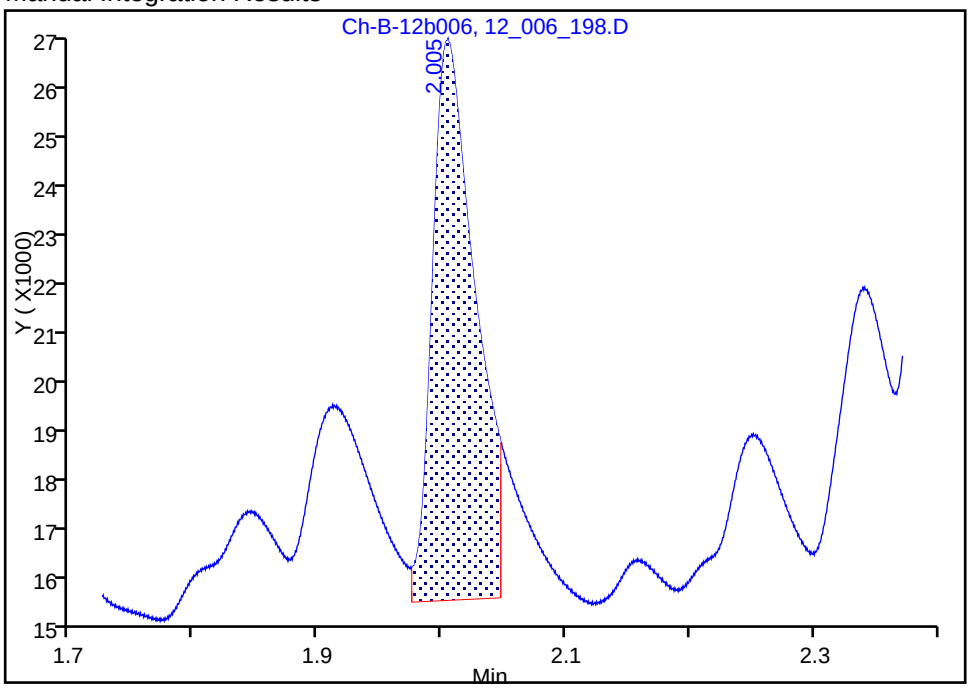
Processing Integration Results

RT: 2.00
Area: 32303
Amount: 0.019795
Amount Units: ng/uL



Manual Integration Results

RT: 2.00
Area: 26767
Amount: 0.016417
Amount Units: ng/uL



Reviewer: owenj, 24-Nov-2017 11:39:58
Audit Action: Split an Integrated Peak Audit Reason: Baseline Smoothing

Report Date: 27-Nov-2017 11:11:38 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_198.D

Injection Date: 24-Nov-2017 11:03:39 Instrument ID: HP5890-12

Lims ID: CCVIS

Client ID:

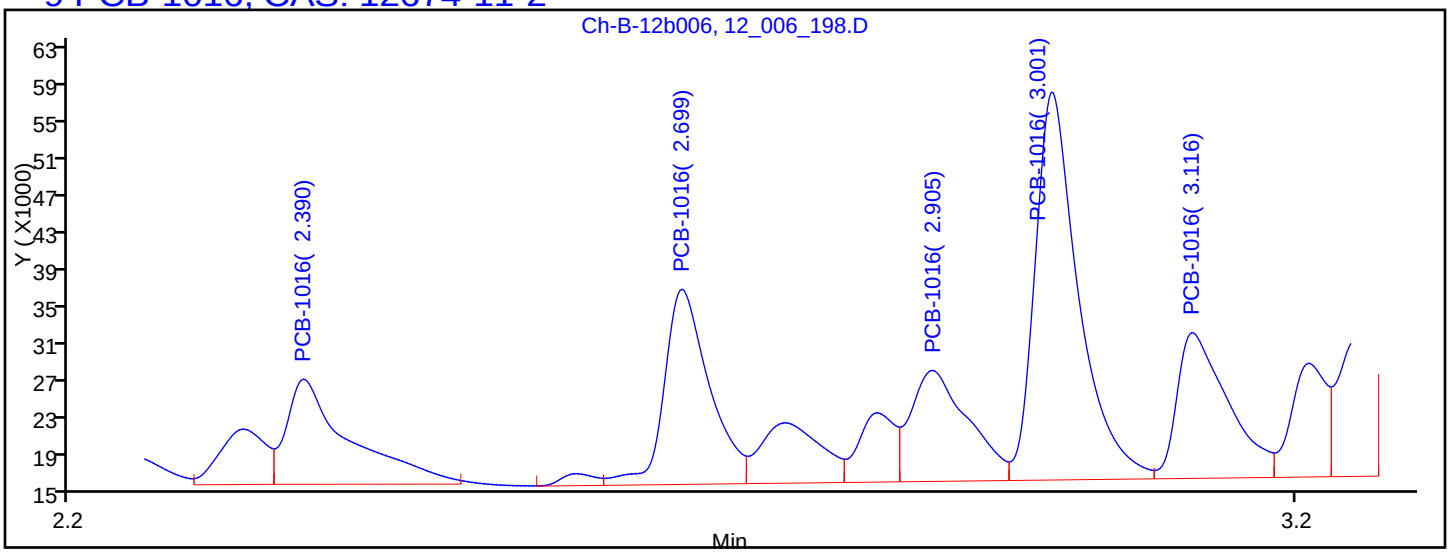
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 4

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

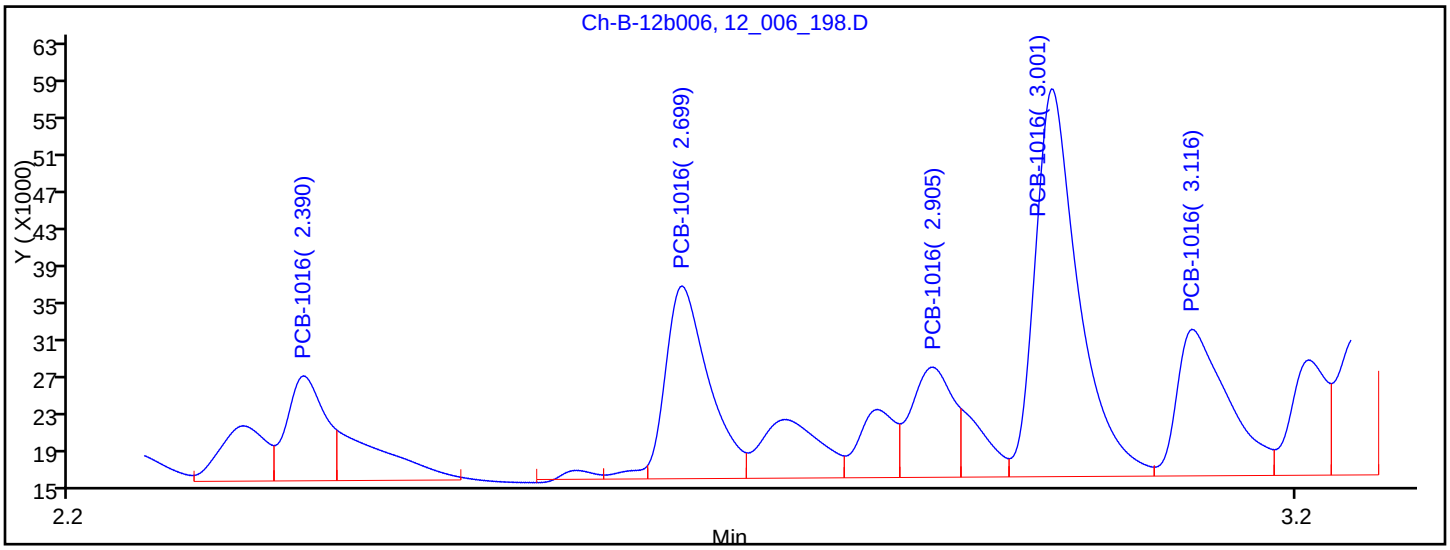
Column: ZB-35 (0.53 mm) Detector Ch-B-7b136

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.390	Response = 39710
2.699	Response = 53338
2.905	Response = 38326
3.001	Response = 102090
3.116	Response = 44918



Manual Integration Results

2.390	Response = 23912	M
2.699	Response = 49840	M
2.905	Response = 27471	M
3.001	Response = 102172	M
3.116	Response = 45482	M

Reviewer: owenj, 24-Nov-2017 11:39:33

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Lab Sample ID: CCV 480-389001/5 Calibration Date: 11/24/2017 11:18

Instrument ID: HP5890-12 Calib Start Date: 05/11/2017 19:52

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/11/2017 20:22

Lab File ID: 12_006_199.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Lin1		0.0124		0.493	0.500	-1.4	20.0
PCB-1221 Peak 2	Lin1		0.0115		0.442	0.500	-11.7	20.0
PCB-1221 Peak 3	Lin1		0.0412		0.523	0.500	4.5	20.0
PCB-1254 Peak 1	Lin1		0.0607		0.477	0.500	-4.7	20.0
PCB-1254 Peak 2	Lin1		0.0848		0.490	0.500	-2.0	20.0
PCB-1254 Peak 3	Lin1		0.0922		0.504	0.500	0.7	20.0
PCB-1254 Peak 4	Lin1		0.0540		0.466	0.500	-6.9	20.0
PCB-1254 Peak 5	Lin1		0.0687		0.439	0.500	-12.3	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Lab Sample ID: CCV 480-389001/5 Calibration Date: 11/24/2017 11:18

Instrument ID: HP5890-12 Calib Start Date: 05/11/2017 19:52

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/11/2017 20:22

Lab File ID: 12_006_199.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	1.44	1.41	1.47
PCB-1221 Peak 2	1.82	1.79	1.85
PCB-1221 Peak 3	1.91	1.88	1.94
PCB-1254 Peak 1	3.28	3.25	3.31
PCB-1254 Peak 2	3.55	3.52	3.58
PCB-1254 Peak 3	3.74	3.71	3.77
PCB-1254 Peak 4	3.94	3.91	3.97
PCB-1254 Peak 5	4.12	4.09	4.15

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_199.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 24-Nov-2017 11:18:57 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub2

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 27-Nov-2017 11:13:32 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: gentnert Date: 27-Nov-2017 11:13:32

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.171	1.171	0.000	1068062	0.5000	0.5000	
2	1.448	1.448	0.000	1043459	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1221							
1	1.437	1.437	0.000	13233	0.5000	0.4932	
1	1.824	1.824	0.000	12232	0.5000	0.4415	
1	1.911	1.911	0.000	44047	0.5000	0.5225	
		Average of Peak Amounts =				0.4857	
2	1.757	1.757	0.000	10611	0.5000	0.5064	
2	2.247	2.247	0.000	13509	0.5000	0.5517	
2	2.392	2.392	0.000	41442	0.5000	0.6724	
		Average of Peak Amounts =				0.5768	
						RPD = 17.14	
11 PCB-1254							M
1	3.277	3.277	0.000	64847	0.5000	0.4766	M
1	3.550	3.550	0.000	90547	0.5000	0.4901	
1	3.740	3.740	0.000	98417	0.5000	0.5035	
1	3.939	3.939	0.000	57630	0.5000	0.4656	
1	4.117	4.117	0.000	73358	0.5000	0.4386	
		Average of Peak Amounts =				0.4749	
2	3.894	3.894	0.000	57148	0.5000	0.5366	
2	4.197	4.197	0.000	29008	0.5000	0.4054	
2	4.283	4.283	0.000	74974	0.5000	0.4506	
2	4.419	4.419	0.000	87711	0.5000	0.5016	
2	4.851	4.851	0.000	56409	0.5000	0.4698	
		Average of Peak Amounts =				0.4728	
						RPD = 0.43	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

21-54w/IS@0.5_00015 Amount Added: 1.00 Units: mL

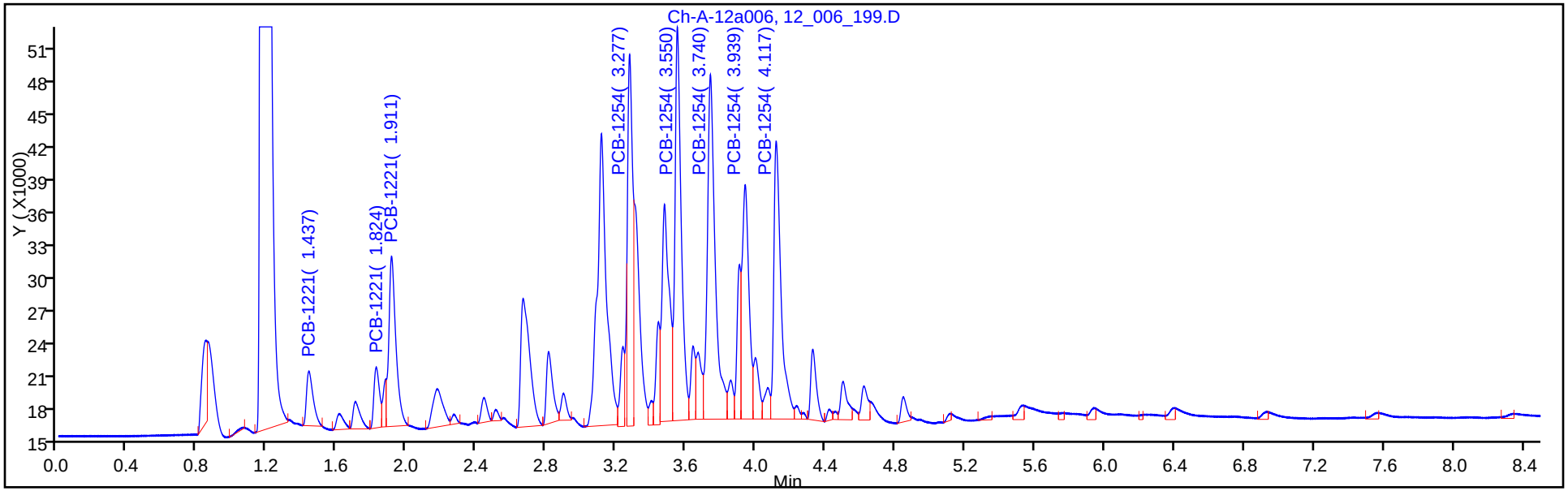
Report Date: 27-Nov-2017 11:13:33 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

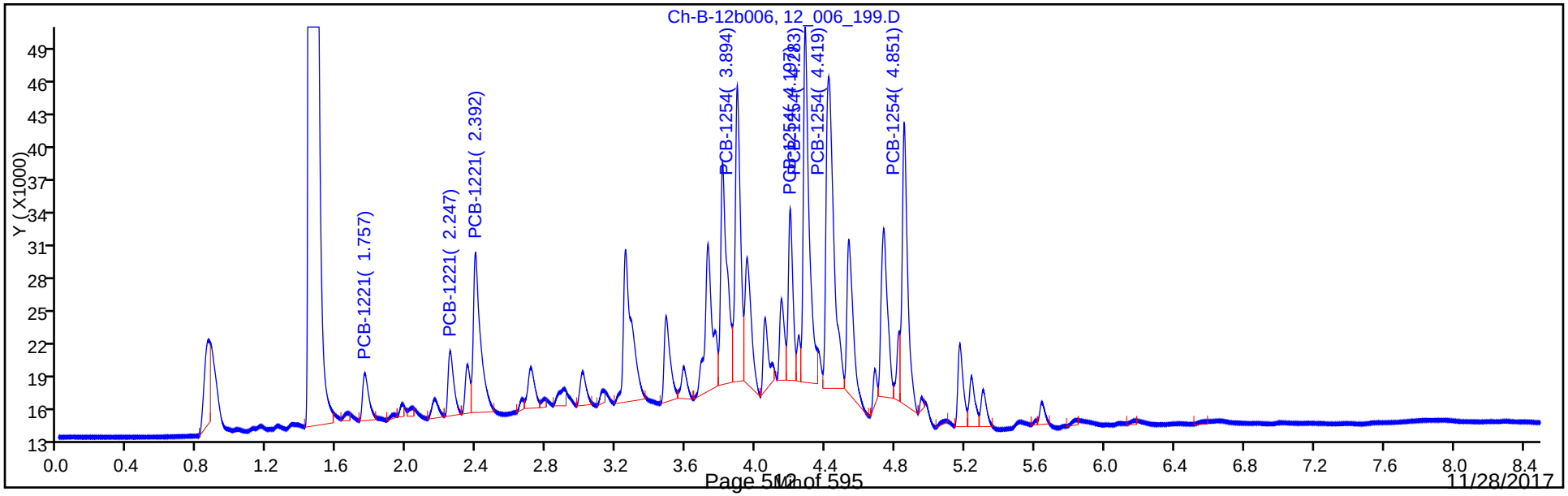
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_199.D

Injection Date:	24-Nov-2017 11:18:57	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



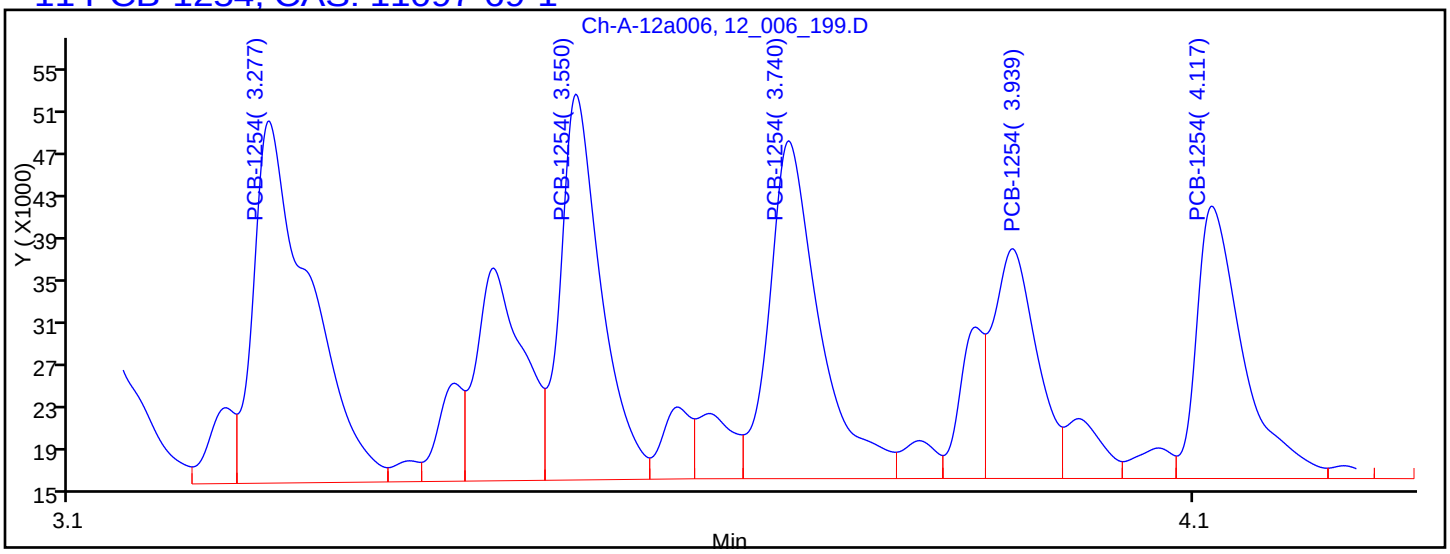
Report Date: 27-Nov-2017 11:13:33 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_199.D

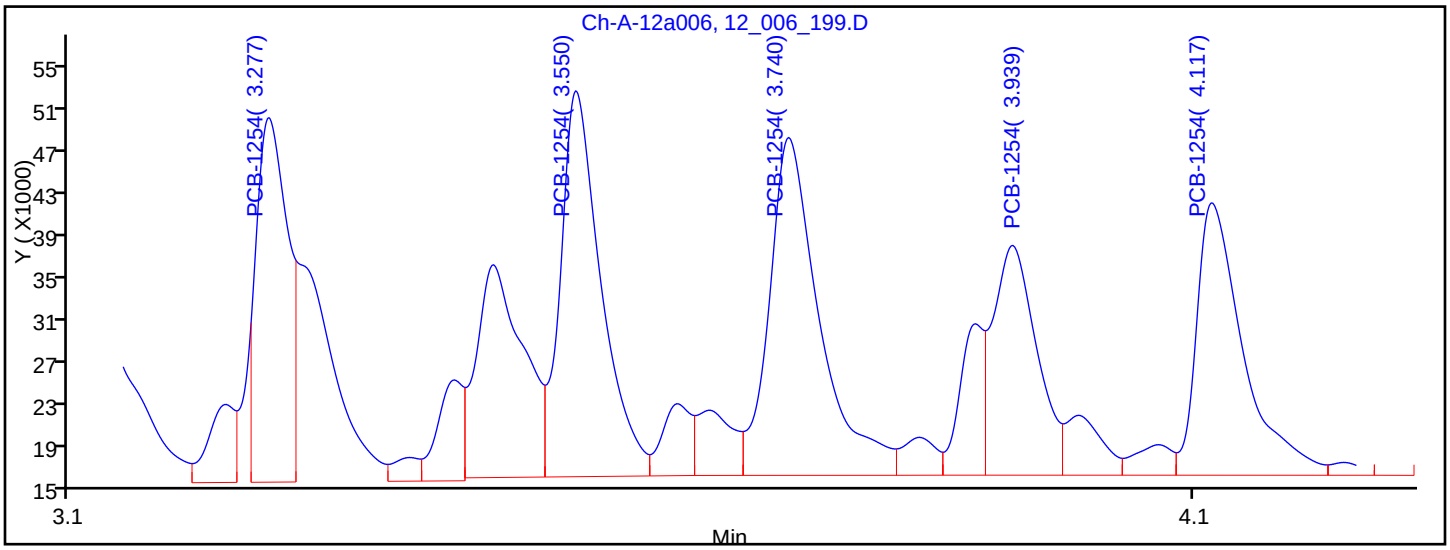
Injection Date:	24-Nov-2017 11:18:57	Instrument ID:	HP5890-12		
Lims ID:	CCV				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:	ZB-5 (0.53 mm)	Detector	Ch-A-7A136		

11 PCB-1254, CAS: 11097-69-1



Processing Integration Results

3.277	Response = 117700
3.550	Response = 90547
3.740	Response = 98417
3.939	Response = 57630
4.117	Response = 73358



Manual Integration Results

3.277	Response = 64847	M
3.550	Response = 90547	
3.740	Response = 98417	
3.939	Response = 57630	
4.117	Response = 73358	

Reviewer: gentnert, 27-Nov-2017 11:12:48

Audit Action: Assigned New Baseline Audit Reason: Split Peak

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Lab Sample ID: CCV 480-389001/5 Calibration Date: 11/24/2017 11:18

Instrument ID: HP5890-12 Calib Start Date: 05/11/2017 19:52

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/11/2017 20:22

Lab File ID: 12_006_199.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Lin1		0.0102		0.506	0.500	1.3	20.0
PCB-1221 Peak 2	Lin1		0.0130		0.552	0.500	10.3	20.0
PCB-1221 Peak 3	Lin1		0.0397		0.672	0.500	34.5*	20.0
PCB-1254 Peak 1	Lin1		0.0548		0.537	0.500	7.3	20.0
PCB-1254 Peak 2	Lin1		0.0278		0.405	0.500	-18.9	20.0
PCB-1254 Peak 3	Lin1		0.0719		0.451	0.500	-9.9	20.0
PCB-1254 Peak 4	Lin1		0.0841		0.502	0.500	0.3	20.0
PCB-1254 Peak 5	Lin1		0.0541		0.470	0.500	-6.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Lab Sample ID: CCV 480-389001/5 Calibration Date: 11/24/2017 11:18

Instrument ID: HP5890-12 Calib Start Date: 05/11/2017 19:52

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/11/2017 20:22

Lab File ID: 12_006_199.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	1.76	1.73	1.79
PCB-1221 Peak 2	2.25	2.22	2.28
PCB-1221 Peak 3	2.39	2.36	2.42
PCB-1254 Peak 1	3.89	3.86	3.92
PCB-1254 Peak 2	4.20	4.17	4.23
PCB-1254 Peak 3	4.28	4.25	4.31
PCB-1254 Peak 4	4.42	4.39	4.45
PCB-1254 Peak 5	4.85	4.82	4.88

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_199.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 24-Nov-2017 11:18:57 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub2

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 27-Nov-2017 11:13:32 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: gentnert Date: 27-Nov-2017 11:13:32

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.171	1.171	0.000	1068062	0.5000	0.5000	
2	1.448	1.448	0.000	1043459	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1221							
1	1.437	1.437	0.000	13233	0.5000	0.4932	
1	1.824	1.824	0.000	12232	0.5000	0.4415	
1	1.911	1.911	0.000	44047	0.5000	0.5225	
		Average of Peak Amounts =				0.4857	
2	1.757	1.757	0.000	10611	0.5000	0.5064	
2	2.247	2.247	0.000	13509	0.5000	0.5517	
2	2.392	2.392	0.000	41442	0.5000	0.6724	
		Average of Peak Amounts =				0.5768	
						RPD = 17.14	
11 PCB-1254							M
1	3.277	3.277	0.000	64847	0.5000	0.4766	M
1	3.550	3.550	0.000	90547	0.5000	0.4901	
1	3.740	3.740	0.000	98417	0.5000	0.5035	
1	3.939	3.939	0.000	57630	0.5000	0.4656	
1	4.117	4.117	0.000	73358	0.5000	0.4386	
		Average of Peak Amounts =				0.4749	
2	3.894	3.894	0.000	57148	0.5000	0.5366	
2	4.197	4.197	0.000	29008	0.5000	0.4054	
2	4.283	4.283	0.000	74974	0.5000	0.4506	
2	4.419	4.419	0.000	87711	0.5000	0.5016	
2	4.851	4.851	0.000	56409	0.5000	0.4698	
		Average of Peak Amounts =				0.4728	
						RPD = 0.43	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

21-54w/IS@0.5_00015 Amount Added: 1.00 Units: mL

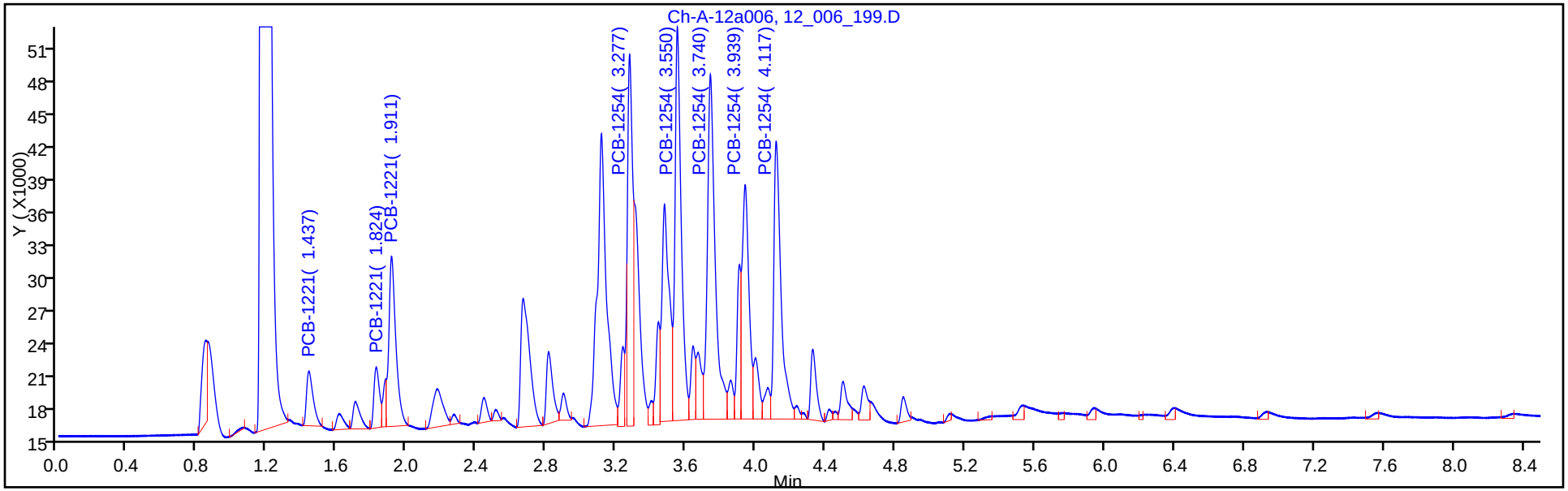
Report Date: 27-Nov-2017 11:13:33 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

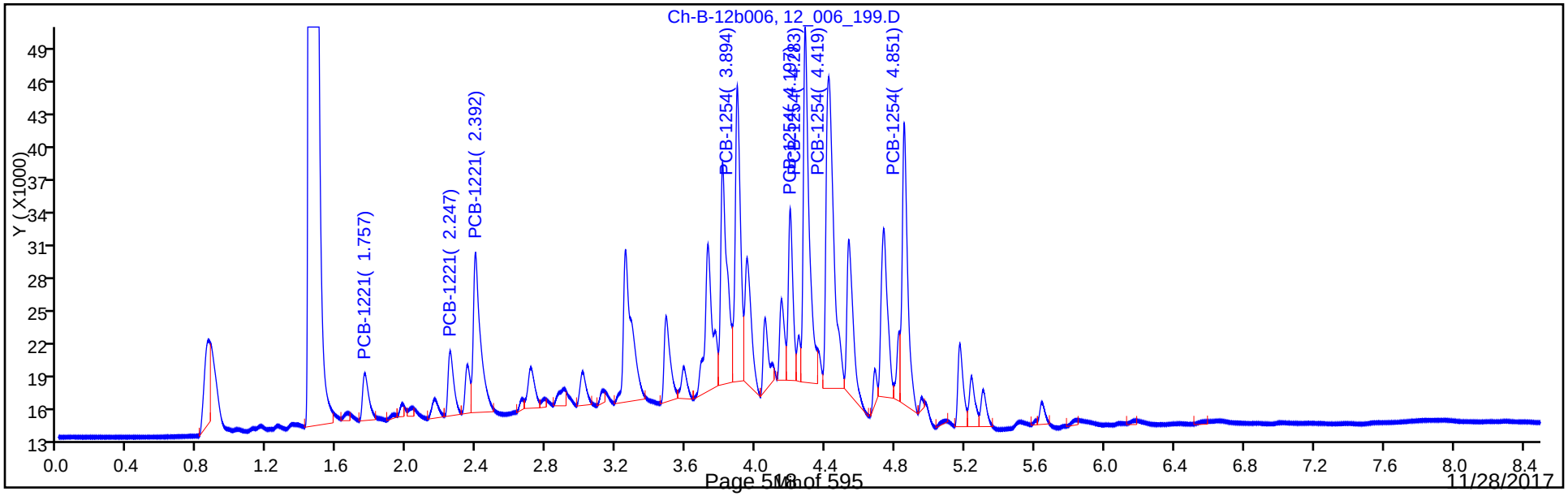
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_199.D

Injection Date:	24-Nov-2017 11:18:57	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Lab Sample ID: CCV 480-389001/6 Calibration Date: 11/24/2017 11:34

Instrument ID: HP5890-12 Calib Start Date: 05/11/2017 20:53

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/11/2017 21:24

Lab File ID: 12_006_200.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Lin1		0.0347		0.529	0.500	5.8	20.0
PCB-1232 Peak 2	Lin1		0.0256		0.426	0.500	-14.8	20.0
PCB-1232 Peak 3	Lin1		0.0149		0.535	0.500	7.0	20.0
PCB-1232 Peak 4	Lin1		0.0429		0.475	0.500	-4.9	20.0
PCB-1232 Peak 5	Lin1		0.0190		0.505	0.500	1.0	20.0
PCB-1262 Peak 1	Lin1		0.0585		0.477	0.500	-4.6	20.0
PCB-1262 Peak 2	Lin1		0.0381		0.436	0.500	-12.8	20.0
PCB-1262 Peak 3	Lin1		0.0307		0.401	0.500	-19.9	20.0
PCB-1262 Peak 4	Lin1		0.0414		0.427	0.500	-14.5	20.0
PCB-1262 Peak 5	Lin1		0.0673		0.417	0.500	-16.5	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Lab Sample ID: CCV 480-389001/6 Calibration Date: 11/24/2017 11:34

Instrument ID: HP5890-12 Calib Start Date: 05/11/2017 20:53

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/11/2017 21:24

Lab File ID: 12_006_200.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	1.91	1.88	1.94
PCB-1232 Peak 2	2.16	2.13	2.19
PCB-1232 Peak 3	2.27	2.24	2.30
PCB-1232 Peak 4	2.44	2.41	2.47
PCB-1232 Peak 5	2.51	2.48	2.54
PCB-1262 Peak 1	4.24	4.21	4.27
PCB-1262 Peak 2	4.42	4.39	4.45
PCB-1262 Peak 3	4.85	4.82	4.88
PCB-1262 Peak 4	4.90	4.87	4.93
PCB-1262 Peak 5	4.94	4.91	4.97

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_200.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 24-Nov-2017 11:34:18 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub3

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 27-Nov-2017 11:14:21 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: gentnert Date: 27-Nov-2017 11:14:21

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.172	1.172	0.000	1055720	0.5000	0.5000	
2	1.447	1.447	0.000	1041670	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1232							M
1	1.911	1.911	0.000	36594	0.5000	0.5290	M
1	2.157	2.157	0.000	27040	0.5000	0.4259	M
1	2.269	2.269	0.000	15687	0.5000	0.5350	M
1	2.438	2.438	0.000	45305	0.5000	0.4753	M
1	2.506	2.506	0.000	20059	0.5000	0.5050	M
		Average of Peak Amounts =				0.4941	
2	2.392	2.392	0.000	34898	0.5000	0.6541	
2	2.702	2.702	0.000	27189	0.5000	0.5841	
2	3.004	3.004	0.000	51547	0.5000	0.6459	
2	3.119	3.119	0.000	20657	0.5000	0.6536	
2	3.489	3.489	0.000	23449	0.5000	0.6586	
		Average of Peak Amounts =				0.6393	
						RPD = 25.63	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13	PCB-1262						M
1	4.239	4.239	0.000	61800	0.5000	0.4770	M
1	4.417	4.417	0.000	40258	0.5000	0.4361	M
1	4.847	4.847	0.000	32373	0.5000	0.4007	
1	4.903	4.903	0.000	43665	0.5000	0.4273	
1	4.942	4.942	0.000	71059	0.5000	0.4174	
		Average of Peak Amounts =				0.4317	
2	4.898	4.898	0.000	64640	0.5000	0.5280	
2	5.164	5.164	0.000	51209	0.5000	0.4662	
2	5.299	5.299	0.000	114781	0.5000	0.4343	
2	5.600	5.600	0.000	40888	0.5000	0.4189	
2	5.638	5.638	0.000	90588	0.5000	0.4575	
		Average of Peak Amounts =				0.4610	
						RPD = 6.56	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

32-62w/IS@0.5_00015 Amount Added: 1.00 Units: mL

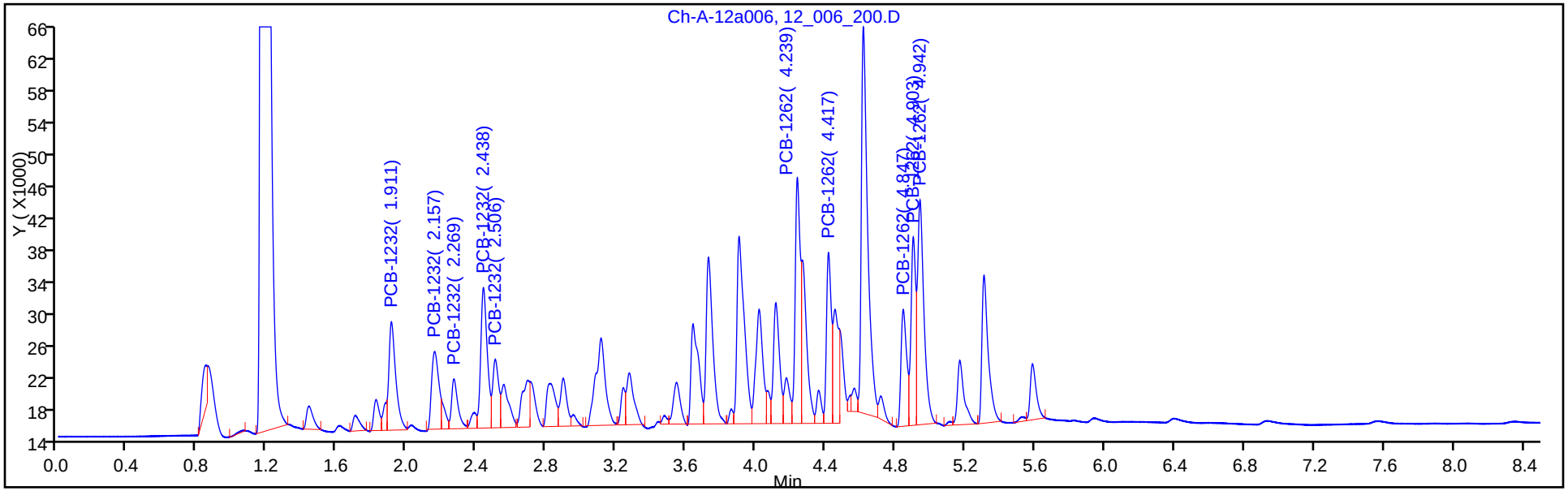
Report Date: 27-Nov-2017 11:14:21 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

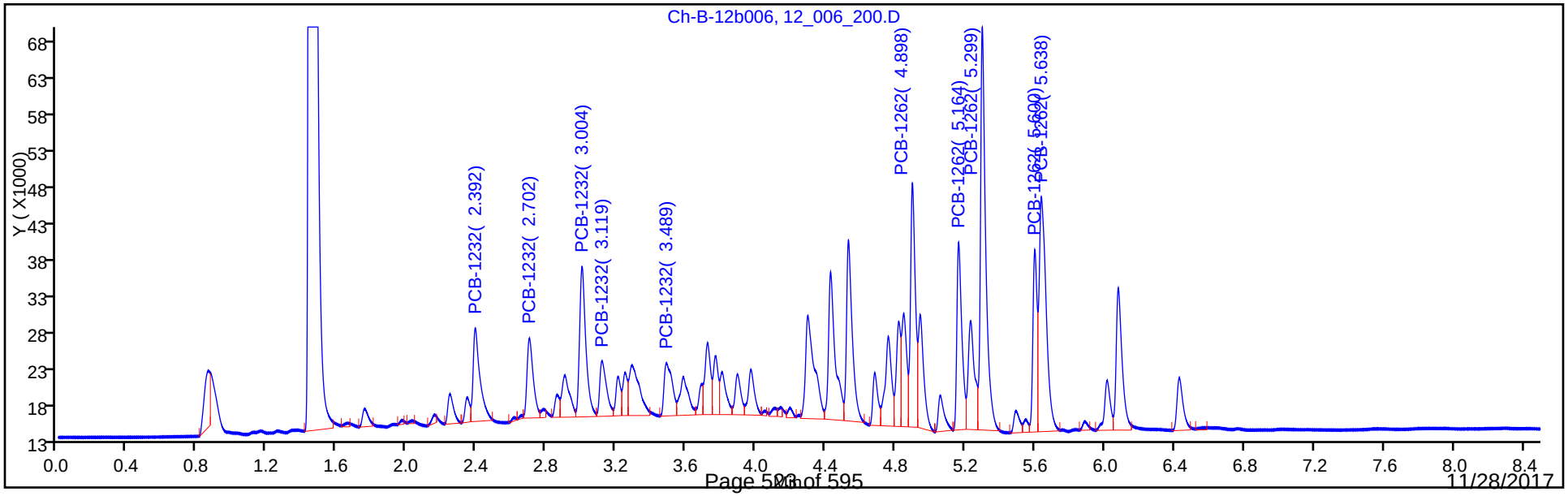
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_200.D

Injection Date:	24-Nov-2017 11:34:18	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Report Date: 27-Nov-2017 11:14:22 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_200.D

Injection Date: 24-Nov-2017 11:34:18 Instrument ID: HP5890-12

Lims ID: CCV

Client ID:

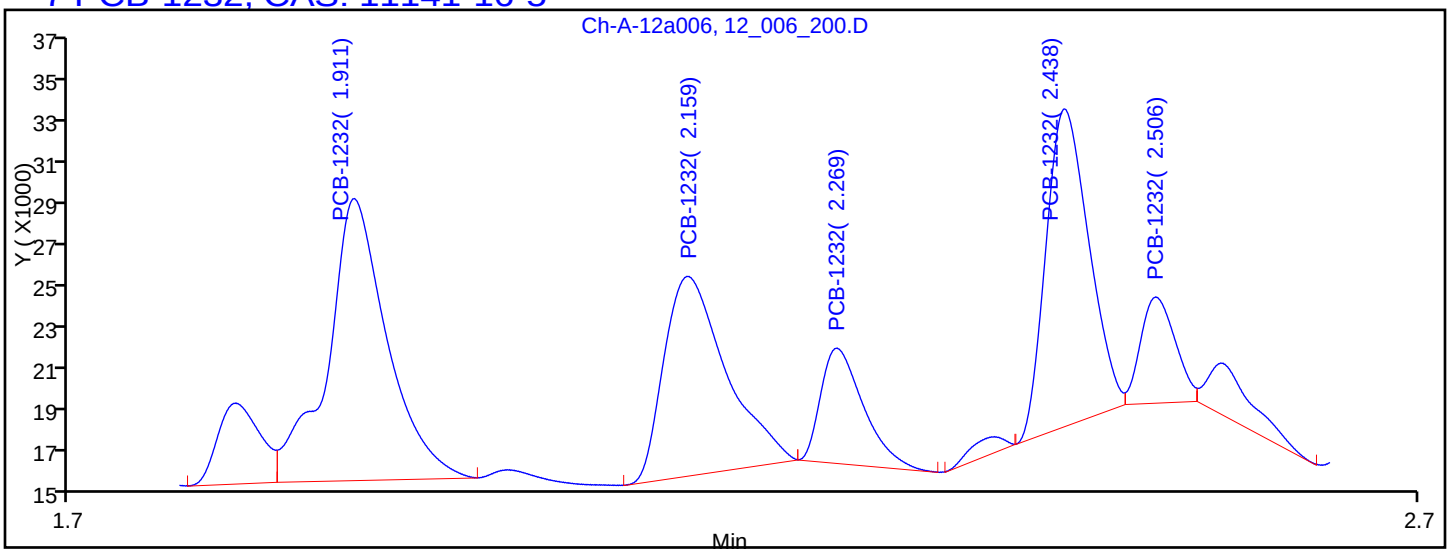
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 6

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

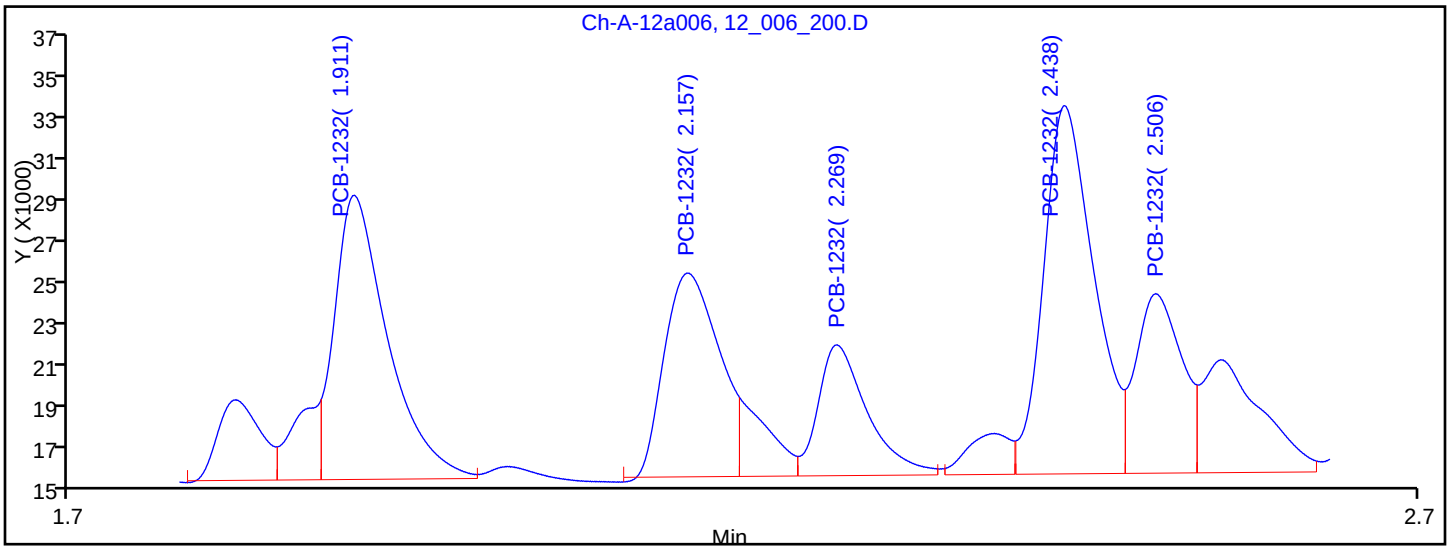
Column: ZB-5 (0.53 mm) Detector Ch-A-7A136

7 PCB-1232, CAS: 11141-16-5



Processing Integration Results

1.911	Response = 41018
2.159	Response = 30158
2.269	Response = 12021
2.438	Response = 33224
2.506	Response = 9001



Manual Integration Results

1.911	Response = 36594	M
2.157	Response = 27040	M
2.269	Response = 15687	M
2.438	Response = 45305	M
2.506	Response = 20059	M

Reviewer: owenj, 24-Nov-2017 11:57:46

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 27-Nov-2017 11:14:22 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_200.D

Injection Date: 24-Nov-2017 11:34:18 Instrument ID: HP5890-12

Lims ID: CCV

Client ID:

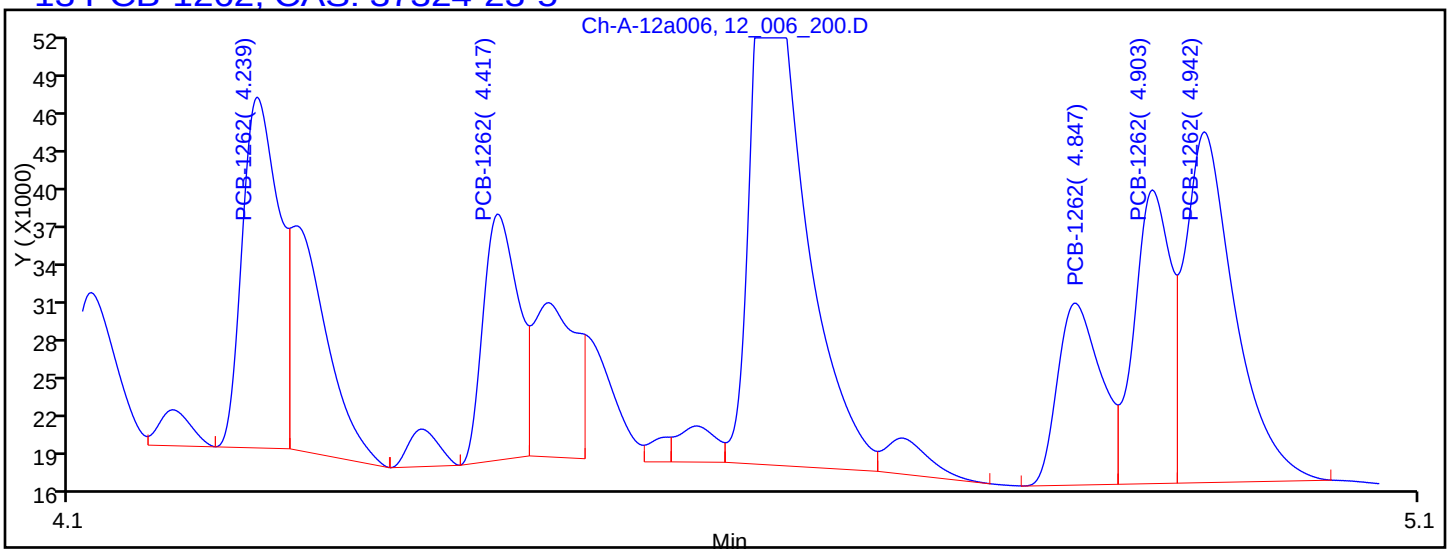
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 6

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

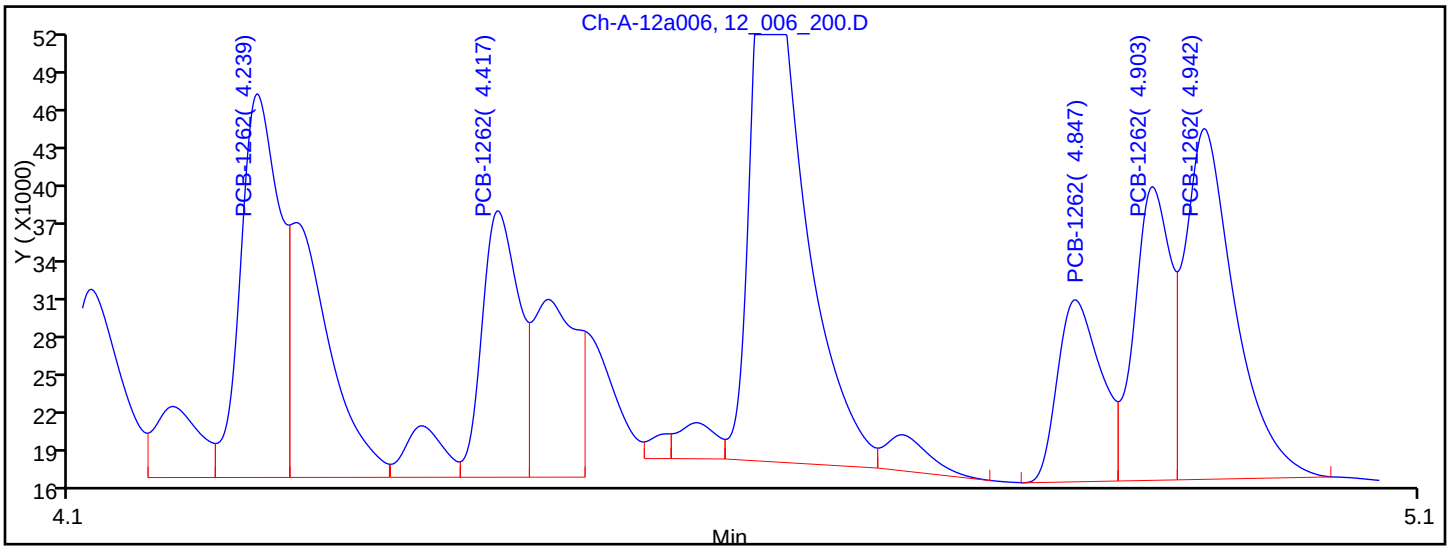
Column: ZB-5 (0.53 mm) Detector Ch-A-7A136

13 PCB-1262, CAS: 37324-23-5



Processing Integration Results

4.239	Response = 53154
4.417	Response = 35405
4.847	Response = 32373
4.903	Response = 43665
4.942	Response = 71059



Manual Integration Results

4.239	Response = 61800	M
4.417	Response = 40258	M
4.847	Response = 32373	
4.903	Response = 43665	
4.942	Response = 71059	

Reviewer: owenj, 24-Nov-2017 11:57:47

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Lab Sample ID: CCV 480-389001/6 Calibration Date: 11/24/2017 11:34

Instrument ID: HP5890-12 Calib Start Date: 05/11/2017 20:53

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/11/2017 21:24

Lab File ID: 12_006_200.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Lin1		0.0335		0.654	0.500	30.8*	20.0
PCB-1232 Peak 2	Lin1		0.0261		0.584	0.500	16.8	20.0
PCB-1232 Peak 3	Lin1		0.0495		0.646	0.500	29.2*	20.0
PCB-1232 Peak 4	Lin1		0.0198		0.654	0.500	30.7*	20.0
PCB-1232 Peak 5	Lin1		0.0225		0.659	0.500	31.7*	20.0
PCB-1262 Peak 1	Lin1		0.0621		0.528	0.500	5.6	20.0
PCB-1262 Peak 2	Lin1		0.0492		0.466	0.500	-6.8	20.0
PCB-1262 Peak 3	Lin1		0.1102		0.434	0.500	-13.1	20.0
PCB-1262 Peak 4	Lin1		0.0393		0.419	0.500	-16.2	20.0
PCB-1262 Peak 5	Lin1		0.0870		0.457	0.500	-8.5	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Lab Sample ID: CCV 480-389001/6 Calibration Date: 11/24/2017 11:34

Instrument ID: HP5890-12 Calib Start Date: 05/11/2017 20:53

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/11/2017 21:24

Lab File ID: 12_006_200.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	2.39	2.36	2.42
PCB-1232 Peak 2	2.70	2.67	2.73
PCB-1232 Peak 3	3.00	2.97	3.03
PCB-1232 Peak 4	3.12	3.09	3.15
PCB-1232 Peak 5	3.49	3.46	3.52
PCB-1262 Peak 1	4.90	4.87	4.93
PCB-1262 Peak 2	5.16	5.13	5.19
PCB-1262 Peak 3	5.30	5.27	5.33
PCB-1262 Peak 4	5.60	5.57	5.63
PCB-1262 Peak 5	5.64	5.61	5.67

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_200.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 24-Nov-2017 11:34:18 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub3

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 27-Nov-2017 11:14:21 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: gentnert Date: 27-Nov-2017 11:14:21

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.172	1.172	0.000	1055720	0.5000	0.5000	
2	1.447	1.447	0.000	1041670	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1232							M
1	1.911	1.911	0.000	36594	0.5000	0.5290	M
1	2.157	2.157	0.000	27040	0.5000	0.4259	M
1	2.269	2.269	0.000	15687	0.5000	0.5350	M
1	2.438	2.438	0.000	45305	0.5000	0.4753	M
1	2.506	2.506	0.000	20059	0.5000	0.5050	M
		Average of Peak Amounts =				0.4941	
2	2.392	2.392	0.000	34898	0.5000	0.6541	
2	2.702	2.702	0.000	27189	0.5000	0.5841	
2	3.004	3.004	0.000	51547	0.5000	0.6459	
2	3.119	3.119	0.000	20657	0.5000	0.6536	
2	3.489	3.489	0.000	23449	0.5000	0.6586	
		Average of Peak Amounts =				0.6393	
						RPD = 25.63	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13	PCB-1262						M
1	4.239	4.239	0.000	61800	0.5000	0.4770	M
1	4.417	4.417	0.000	40258	0.5000	0.4361	M
1	4.847	4.847	0.000	32373	0.5000	0.4007	
1	4.903	4.903	0.000	43665	0.5000	0.4273	
1	4.942	4.942	0.000	71059	0.5000	0.4174	
		Average of Peak Amounts =				0.4317	
2	4.898	4.898	0.000	64640	0.5000	0.5280	
2	5.164	5.164	0.000	51209	0.5000	0.4662	
2	5.299	5.299	0.000	114781	0.5000	0.4343	
2	5.600	5.600	0.000	40888	0.5000	0.4189	
2	5.638	5.638	0.000	90588	0.5000	0.4575	
		Average of Peak Amounts =				0.4610	
						RPD = 6.56	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

32-62w/IS@0.5_00015 Amount Added: 1.00 Units: mL

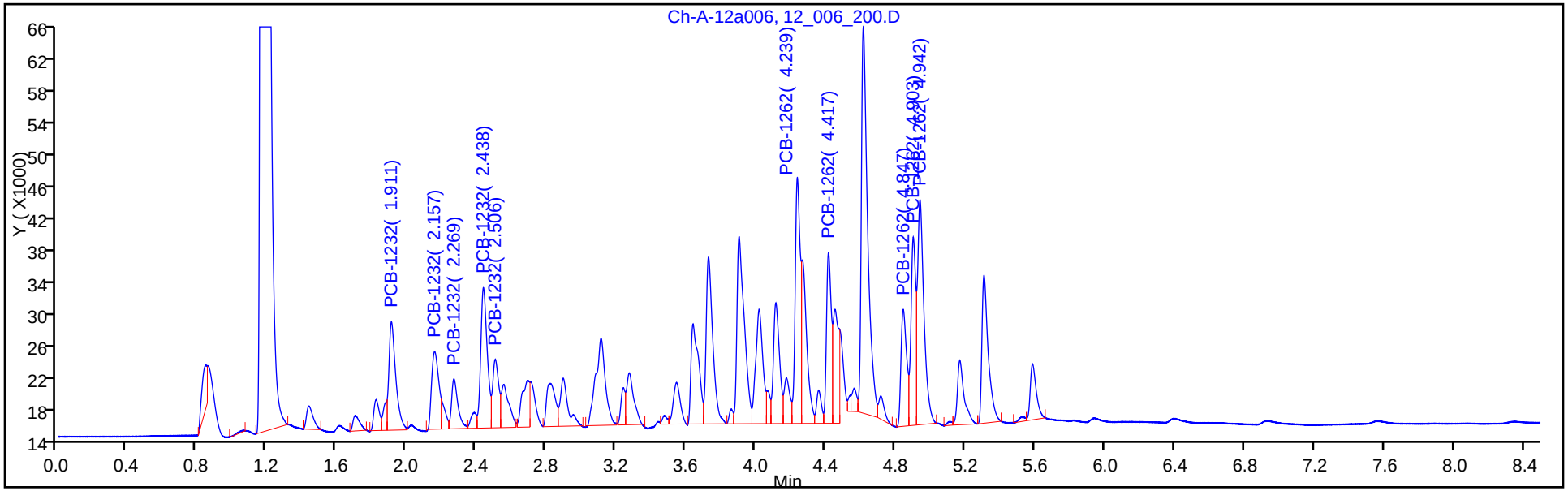
Report Date: 27-Nov-2017 11:14:22 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

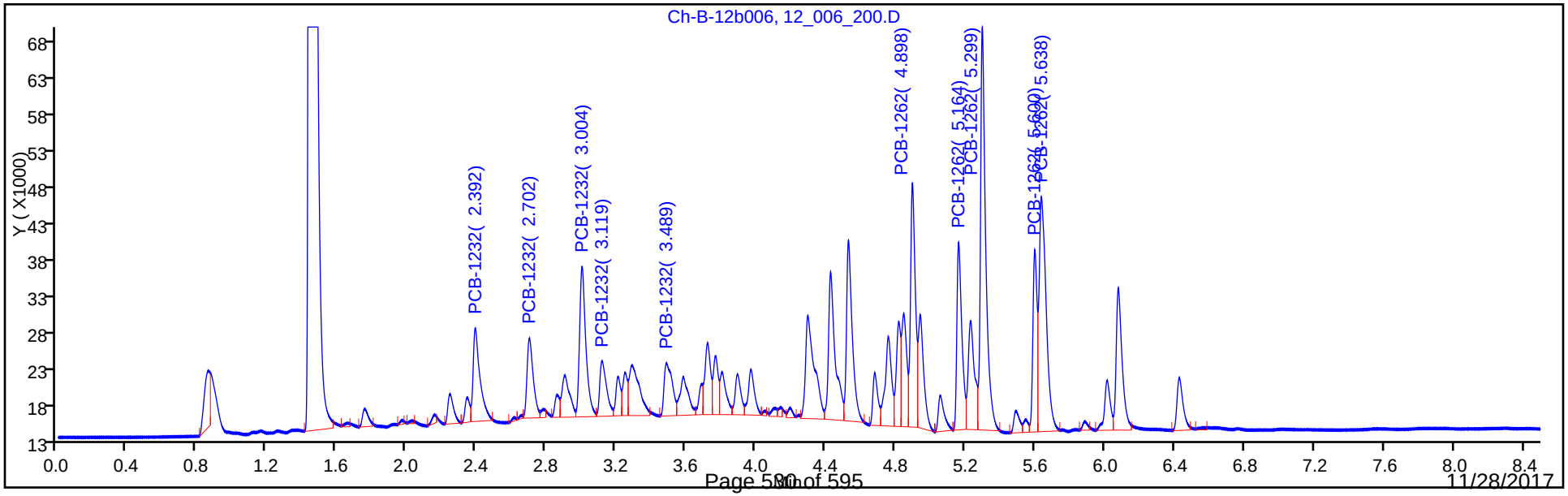
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Injection Date:	24-Nov-2017 11:34:18	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Lab Sample ID: CCV 480-389001/7 Calibration Date: 11/24/2017 11:49

Instrument ID: HP5890-12 Calib Start Date: 05/13/2017 11:27

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/13/2017 12:34

Lab File ID: 12_006_201.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Lin1		0.0785		0.501	0.500	0.3	20.0
PCB-1242 Peak 2	Lin1		0.0332		0.519	0.500	3.7	20.0
PCB-1242 Peak 3	Lin1		0.0309		0.526	0.500	5.2	20.0
PCB-1242 Peak 4	Lin1		0.0514		0.534	0.500	6.7	20.0
PCB-1242 Peak 5	Lin1		0.0241		0.572	0.500	14.5	20.0
PCB-1268 Peak 1	Lin1		0.1185		0.562	0.500	12.4	20.0
PCB-1268 Peak 2	Lin1		0.2238		0.547	0.500	9.4	20.0
PCB-1268 Peak 3	Lin1		0.1323		0.573	0.500	14.7	20.0
PCB-1268 Peak 4	Lin1		0.0595		0.528	0.500	5.6	20.0
PCB-1268 Peak 5	Lin1		0.4430		0.585	0.500	17.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Lab Sample ID: CCV 480-389001/7 Calibration Date: 11/24/2017 11:49

Instrument ID: HP5890-12 Calib Start Date: 05/13/2017 11:27

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/13/2017 12:34

Lab File ID: 12_006_201.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	2.44	2.41	2.47
PCB-1242 Peak 2	2.51	2.48	2.54
PCB-1242 Peak 3	2.90	2.87	2.93
PCB-1242 Peak 4	3.11	3.08	3.14
PCB-1242 Peak 5	3.24	3.21	3.27
PCB-1268 Peak 1	4.90	4.87	4.93
PCB-1268 Peak 2	4.94	4.91	4.97
PCB-1268 Peak 3	5.16	5.13	5.19
PCB-1268 Peak 4	5.31	5.28	5.34
PCB-1268 Peak 5	5.58	5.55	5.61

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_201.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 24-Nov-2017 11:49:36 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub4

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 27-Nov-2017 11:15:07 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: gentnert Date: 27-Nov-2017 11:15:07

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.173	1.173	0.000	931932	0.5000	0.5000	
2	1.449	1.449	0.000	964414	0.5000	0.5000	
						RPD = 0.00	
8 PCB-1242							
1	2.439	2.439	0.000	73167	0.5000	0.5013	
1	2.507	2.507	0.000	30960	0.5000	0.5187	
1	2.897	2.897	0.000	28792	0.5000	0.5259	
1	3.111	3.111	0.000	47857	0.5000	0.5336	
1	3.241	3.241	0.000	22454	0.5000	0.5723	
		Average of Peak Amounts =				0.5304	
2	3.004	3.004	0.000	89825	0.5000	0.6893	
2	3.119	3.119	0.000	38490	0.5000	0.7128	
2	3.289	3.289	0.000	52458	0.5000	0.8105	
2	3.488	3.488	0.000	43185	0.5000	0.6627	
2	3.725	3.725	0.000	37864	0.5000	0.7463	
		Average of Peak Amounts =				0.7243	
						RPD = 30.91	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
14 PCB-1268							
1	4.903	4.903	0.000	110440	0.5000	0.5621	
1	4.940	4.940	0.000	208564	0.5000	0.5472	
1	5.158	5.158	0.000	123306	0.5000	0.5733	
1	5.309	5.309	0.000	55453	0.5000	0.5278	
1	5.584	5.584	0.000	412864	0.5000	0.5850	
		Average of Peak Amounts =				0.5591	
2	5.597	5.597	0.000	108409	0.5000	0.5211	
2	5.636	5.636	0.000	163300	0.5000	0.5497	
2	5.884	5.884	0.000	112970	0.5000	0.5342	
2	6.079	6.079	0.000	50601	0.5000	0.4990	
2	6.424	6.424	0.000	395297	0.5000	0.5685	
		Average of Peak Amounts =				0.5345	
						RPD = 4.50	

Reagents:

42-68w/IS@0.5_00015 Amount Added: 1.00 Units: mL

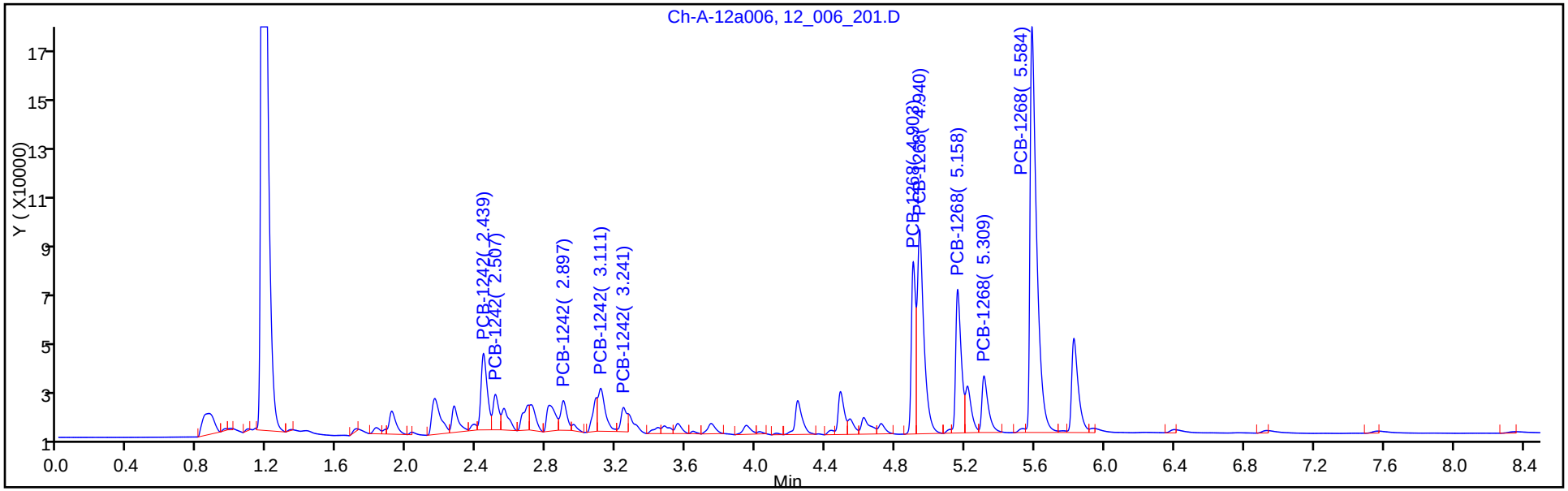
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TestAmerica Buffalo

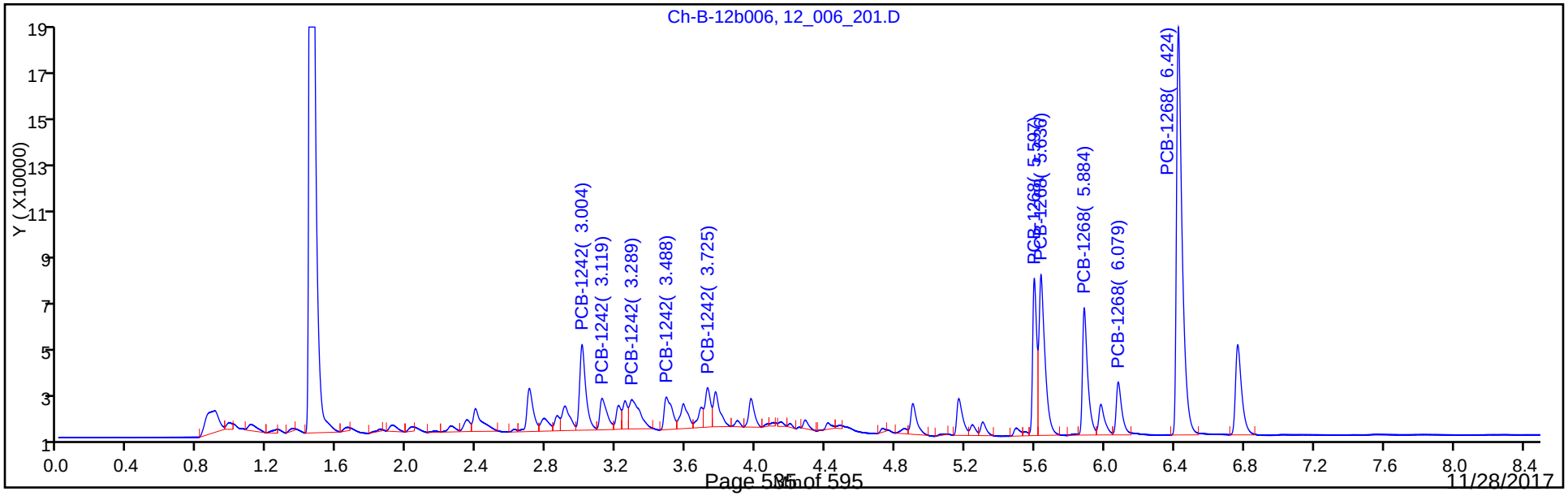
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Injection Date:	24-Nov-2017 11:49:36	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Lab Sample ID: CCV 480-389001/7 Calibration Date: 11/24/2017 11:49

Instrument ID: HP5890-12 Calib Start Date: 05/13/2017 11:27

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/13/2017 12:34

Lab File ID: 12_006_201.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Lin1		0.0931		0.689	0.500	37.9*	20.0
PCB-1242 Peak 2	Lin1		0.0399		0.713	0.500	42.6*	20.0
PCB-1242 Peak 3	Lin1		0.0544		0.811	0.500	62.1*	20.0
PCB-1242 Peak 4	Lin1		0.0448		0.663	0.500	32.5*	20.0
PCB-1242 Peak 5	Lin1		0.0393		0.746	0.500	49.3*	20.0
PCB-1268 Peak 1	Lin1		0.1124		0.521	0.500	4.2	20.0
PCB-1268 Peak 2	Lin1		0.1693		0.550	0.500	9.9	20.0
PCB-1268 Peak 3	Lin1		0.1171		0.534	0.500	6.8	20.0
PCB-1268 Peak 4	Lin1		0.0525		0.499	0.500	-0.2	20.0
PCB-1268 Peak 5	Lin1		0.4099		0.569	0.500	13.7	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Lab Sample ID: CCV 480-389001/7 Calibration Date: 11/24/2017 11:49

Instrument ID: HP5890-12 Calib Start Date: 05/13/2017 11:27

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/13/2017 12:34

Lab File ID: 12_006_201.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	3.00	2.97	3.03
PCB-1242 Peak 2	3.12	3.09	3.15
PCB-1242 Peak 3	3.29	3.26	3.32
PCB-1242 Peak 4	3.49	3.46	3.52
PCB-1242 Peak 5	3.73	3.70	3.76
PCB-1268 Peak 1	5.60	5.57	5.63
PCB-1268 Peak 2	5.64	5.61	5.67
PCB-1268 Peak 3	5.88	5.85	5.91
PCB-1268 Peak 4	6.08	6.05	6.11
PCB-1268 Peak 5	6.42	6.39	6.45

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_201.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 24-Nov-2017 11:49:36 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub4

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 27-Nov-2017 11:15:07 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: gentnert Date: 27-Nov-2017 11:15:07

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.173	1.173	0.000	931932	0.5000	0.5000	
2	1.449	1.449	0.000	964414	0.5000	0.5000	
						RPD = 0.00	
8 PCB-1242							
1	2.439	2.439	0.000	73167	0.5000	0.5013	
1	2.507	2.507	0.000	30960	0.5000	0.5187	
1	2.897	2.897	0.000	28792	0.5000	0.5259	
1	3.111	3.111	0.000	47857	0.5000	0.5336	
1	3.241	3.241	0.000	22454	0.5000	0.5723	
		Average of Peak Amounts =				0.5304	
2	3.004	3.004	0.000	89825	0.5000	0.6893	
2	3.119	3.119	0.000	38490	0.5000	0.7128	
2	3.289	3.289	0.000	52458	0.5000	0.8105	
2	3.488	3.488	0.000	43185	0.5000	0.6627	
2	3.725	3.725	0.000	37864	0.5000	0.7463	
		Average of Peak Amounts =				0.7243	
						RPD = 30.91	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
14 PCB-1268							
1	4.903	4.903	0.000	110440	0.5000	0.5621	
1	4.940	4.940	0.000	208564	0.5000	0.5472	
1	5.158	5.158	0.000	123306	0.5000	0.5733	
1	5.309	5.309	0.000	55453	0.5000	0.5278	
1	5.584	5.584	0.000	412864	0.5000	0.5850	
		Average of Peak Amounts =				0.5591	
2	5.597	5.597	0.000	108409	0.5000	0.5211	
2	5.636	5.636	0.000	163300	0.5000	0.5497	
2	5.884	5.884	0.000	112970	0.5000	0.5342	
2	6.079	6.079	0.000	50601	0.5000	0.4990	
2	6.424	6.424	0.000	395297	0.5000	0.5685	
		Average of Peak Amounts =				0.5345	
						RPD = 4.50	

Reagents:

42-68w/IS@0.5_00015 Amount Added: 1.00 Units: mL

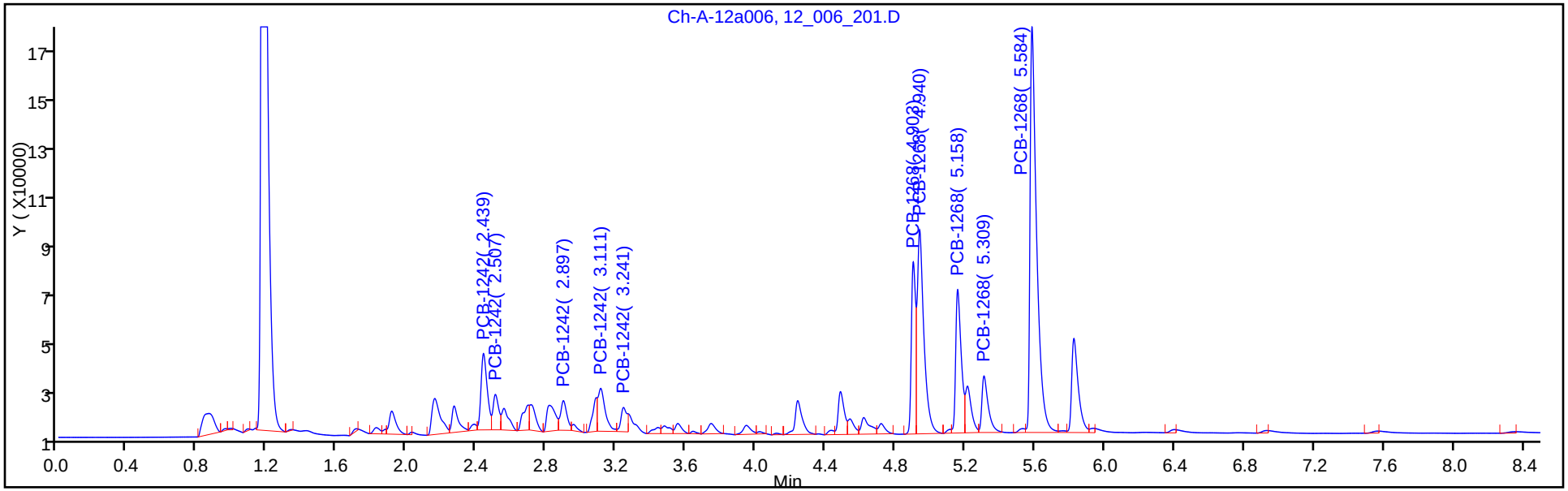
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TestAmerica Buffalo

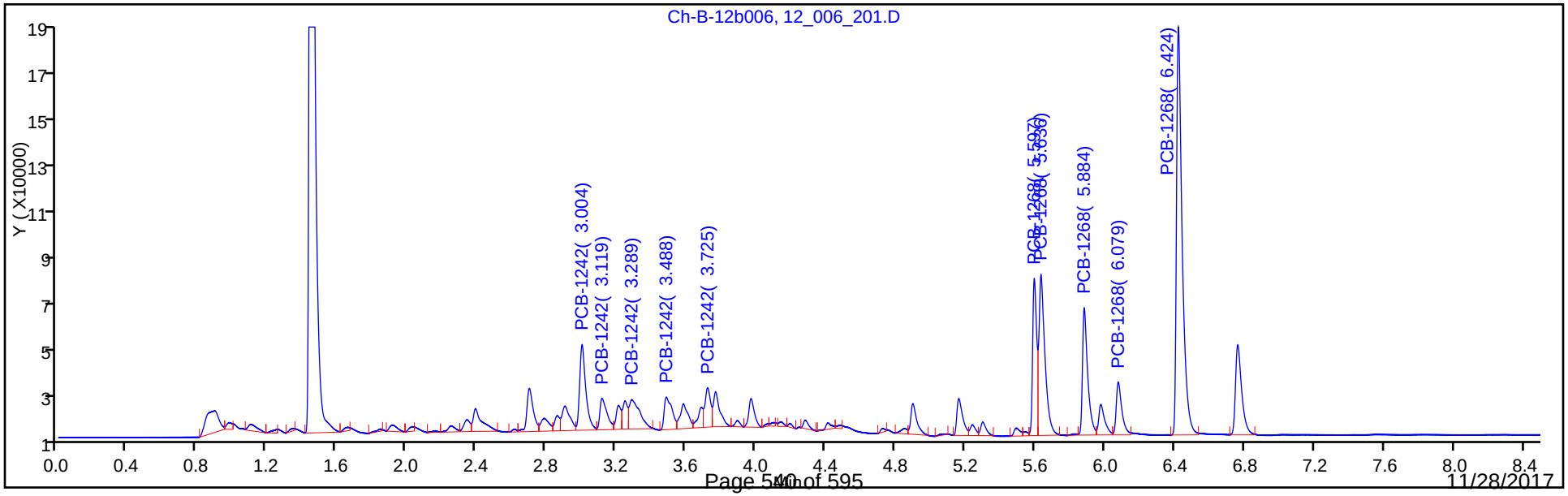
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Injection Date:	24-Nov-2017 11:49:36	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Lab Sample ID: CCV 480-389001/8 Calibration Date: 11/24/2017 12:04

Instrument ID: HP5890-12 Calib Start Date: 05/13/2017 13:04

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/13/2017 13:35

Lab File ID: 12_006_202.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Lin1		0.0274		0.559	0.500	11.8	20.0
PCB-1248 Peak 2	Ave	0.0509	0.0413		0.406	0.500	-18.9	20.0
PCB-1248 Peak 3	Lin1		0.0387		0.317	0.500	-36.6*	20.0
PCB-1248 Peak 4	Lin1		0.0880		0.438	0.500	-12.3	20.0
PCB-1248 Peak 5	Lin1		0.0308		0.448	0.500	-10.5	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Lab Sample ID: CCV 480-389001/8 Calibration Date: 11/24/2017 12:04

Instrument ID: HP5890-12 Calib Start Date: 05/13/2017 13:04

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/13/2017 13:35

Lab File ID: 12_006_202.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	2.69	2.66	2.72
PCB-1248 Peak 2	2.90	2.87	2.93
PCB-1248 Peak 3	3.08	3.05	3.11
PCB-1248 Peak 4	3.11	3.08	3.14
PCB-1248 Peak 5	3.27	3.24	3.30

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_202.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 24-Nov-2017 12:04:55 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub5

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 27-Nov-2017 11:15:59 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: gentnert Date: 27-Nov-2017 11:15:59

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.171	1.171	0.000	1052819	0.5000	0.5000	
2	1.447	1.447	0.000	1046578	0.5000	0.5000	
						RPD = 0.00	
10 PCB-1248							M
1	2.690	2.690	0.000	28798	0.5000	0.5588	M
1	2.897	2.897	0.000	43498	0.5000	0.4057	M
1	3.084	3.084	0.000	40734	0.5000	0.3171	M
1	3.111	3.111	0.000	92649	0.5000	0.4383	M
1	3.273	3.273	0.000	32390	0.5000	0.4475	M
		Average of Peak Amounts =				0.4335	
2	3.288	3.288	0.000	31961	0.5000	0.5559	M
2	3.485	3.485	0.000	33423	0.5000	0.4704	M
2	3.723	3.723	0.000	62228	0.5000	0.5813	M
2	3.769	3.769	0.000	48846	0.5000	0.5518	M
2	3.971	3.971	0.000	54710	0.5000	0.5157	M
		Average of Peak Amounts =				0.5350	
						RPD = 20.97	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

1248w/IS@ 0.5_00015 Amount Added: 1.00 Units: mL

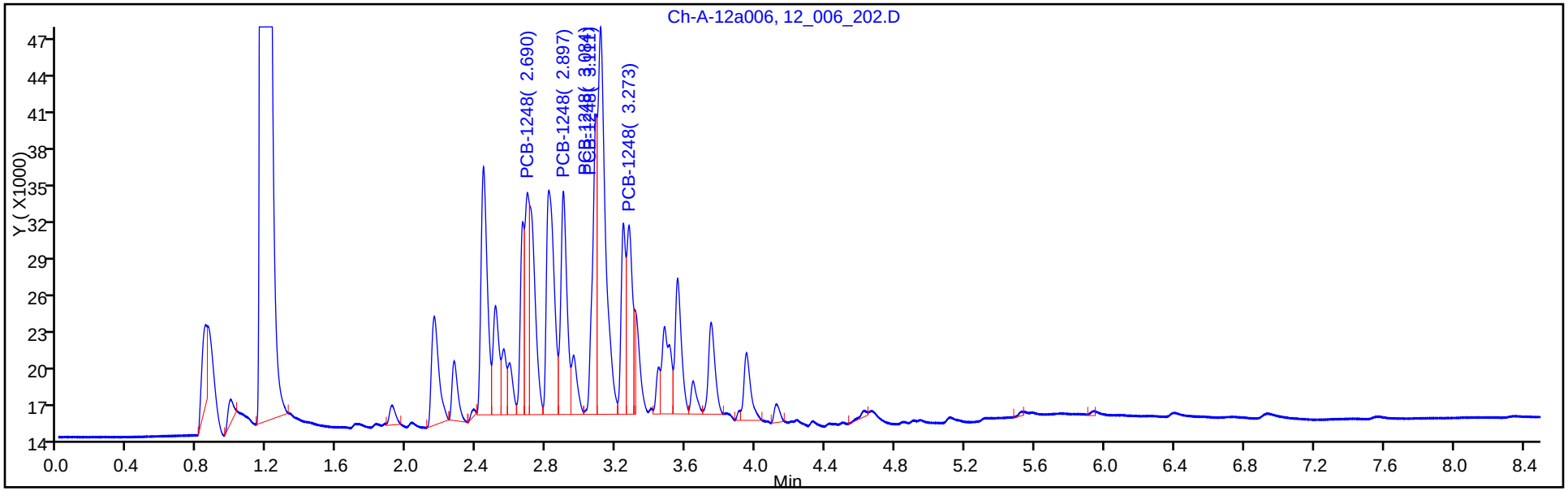
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TestAmerica Buffalo

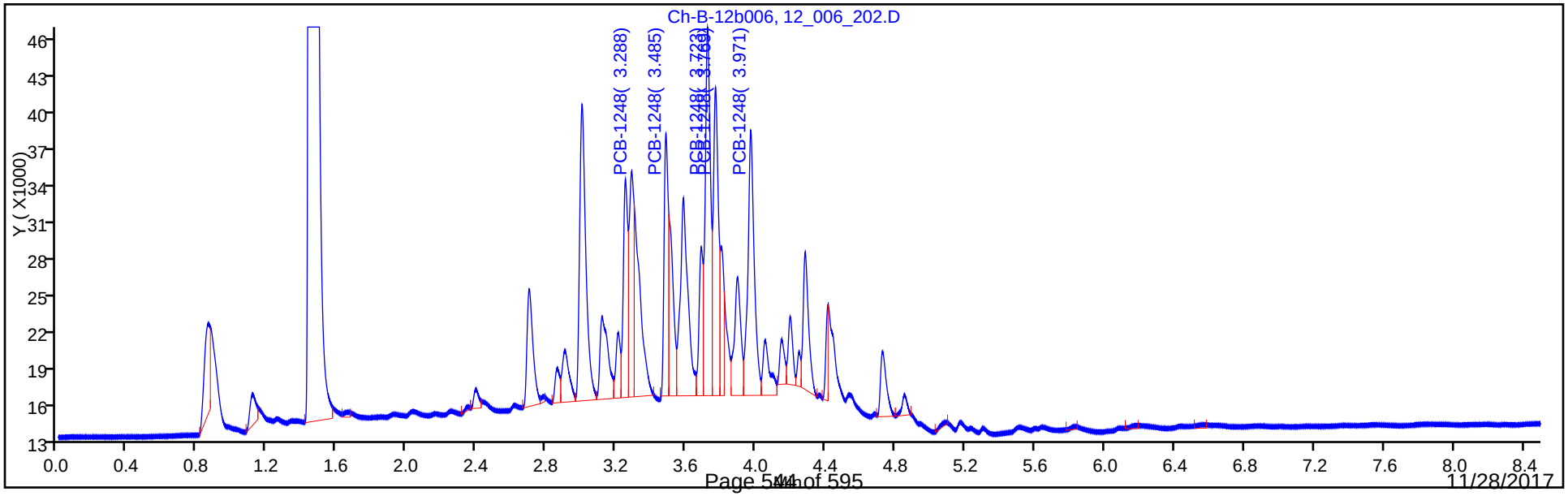
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Injection Date:	24-Nov-2017 12:04:55	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



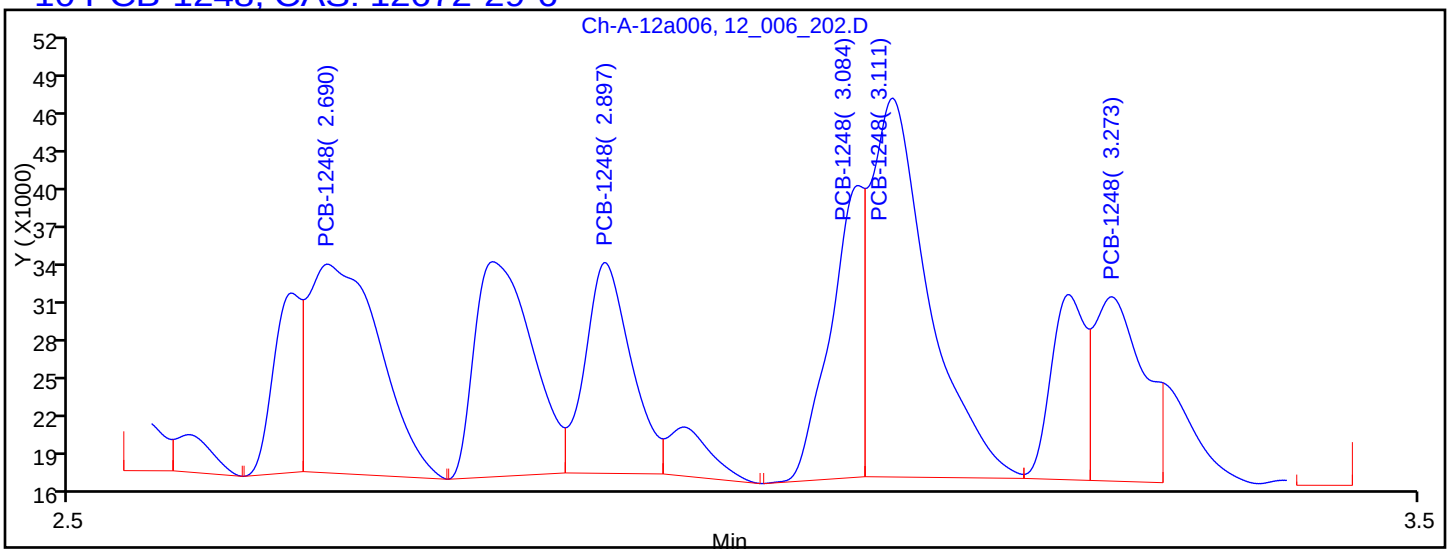
Report Date: 27-Nov-2017 11:16:00 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_202.D

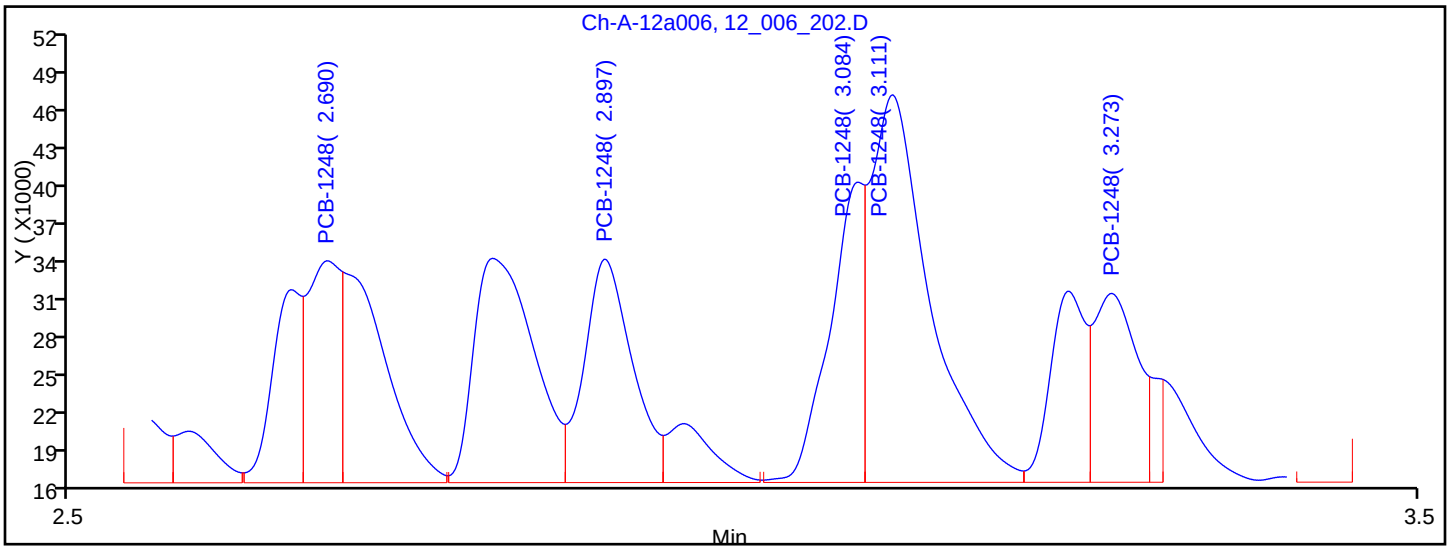
Injection Date:	24-Nov-2017 12:04:55	Instrument ID:	HP5890-12		
Lims ID:	CCV				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:	ZB-5 (0.53 mm)	Detector	Ch-A-7A136		

10 PCB-1248, CAS: 12672-29-6



Processing Integration Results

2.690	Response = 60693
2.897	Response = 39230
3.084	Response = 38731
3.111	Response = 88100
3.273	Response = 36226



Manual Integration Results

2.690	Response = 28798	M
2.897	Response = 43498	M
3.084	Response = 40734	M
3.111	Response = 92649	M
3.273	Response = 32390	M

Reviewer: owenj, 24-Nov-2017 12:18:12

Audit Action: Assigned New Baseline Audit Reason: Split Peak

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Lab Sample ID: CCV 480-389001/8 Calibration Date: 11/24/2017 12:04

Instrument ID: HP5890-12 Calib Start Date: 05/13/2017 13:04

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/13/2017 13:35

Lab File ID: 12_006_202.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Lin1		0.0305		0.556	0.500	11.2	20.0
PCB-1248 Peak 2	Lin1		0.0319		0.470	0.500	-5.9	20.0
PCB-1248 Peak 3	Lin1		0.0595		0.581	0.500	16.3	20.0
PCB-1248 Peak 4	Lin1		0.0467		0.552	0.500	10.4	20.0
PCB-1248 Peak 5	Lin1		0.0523		0.516	0.500	3.1	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Lab Sample ID: CCV 480-389001/8 Calibration Date: 11/24/2017 12:04

Instrument ID: HP5890-12 Calib Start Date: 05/13/2017 13:04

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/13/2017 13:35

Lab File ID: 12_006_202.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	3.29	3.26	3.32
PCB-1248 Peak 2	3.49	3.46	3.52
PCB-1248 Peak 3	3.72	3.69	3.75
PCB-1248 Peak 4	3.77	3.74	3.80
PCB-1248 Peak 5	3.97	3.94	4.00

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_202.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 24-Nov-2017 12:04:55 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12
Sublist: chrom-5890-12 PCB IS*sub5

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 27-Nov-2017 11:15:59 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: gentnert Date: 27-Nov-2017 11:15:59

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.171	1.171	0.000	1052819	0.5000	0.5000	
2	1.447	1.447	0.000	1046578	0.5000	0.5000	
						RPD = 0.00	
10 PCB-1248							M
1	2.690	2.690	0.000	28798	0.5000	0.5588	M
1	2.897	2.897	0.000	43498	0.5000	0.4057	M
1	3.084	3.084	0.000	40734	0.5000	0.3171	M
1	3.111	3.111	0.000	92649	0.5000	0.4383	M
1	3.273	3.273	0.000	32390	0.5000	0.4475	M
		Average of Peak Amounts =				0.4335	
2	3.288	3.288	0.000	31961	0.5000	0.5559	M
2	3.485	3.485	0.000	33423	0.5000	0.4704	M
2	3.723	3.723	0.000	62228	0.5000	0.5813	M
2	3.769	3.769	0.000	48846	0.5000	0.5518	M
2	3.971	3.971	0.000	54710	0.5000	0.5157	M
		Average of Peak Amounts =				0.5350	
						RPD = 20.97	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

1248w/IS@ 0.5_00015 Amount Added: 1.00 Units: mL

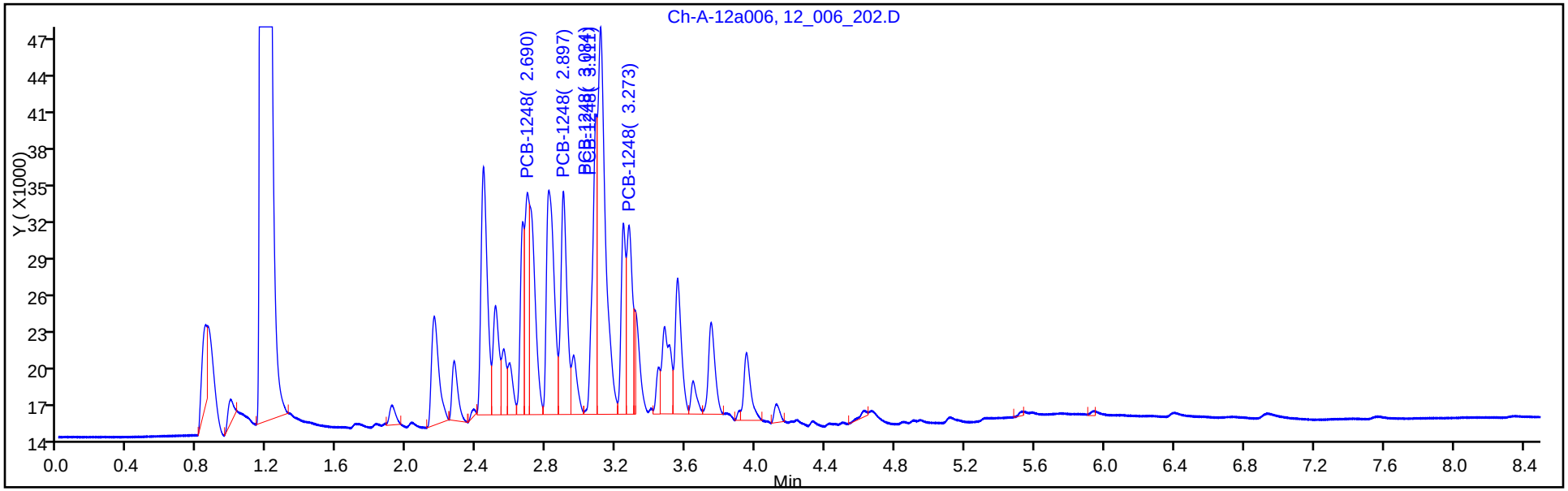
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TestAmerica Buffalo

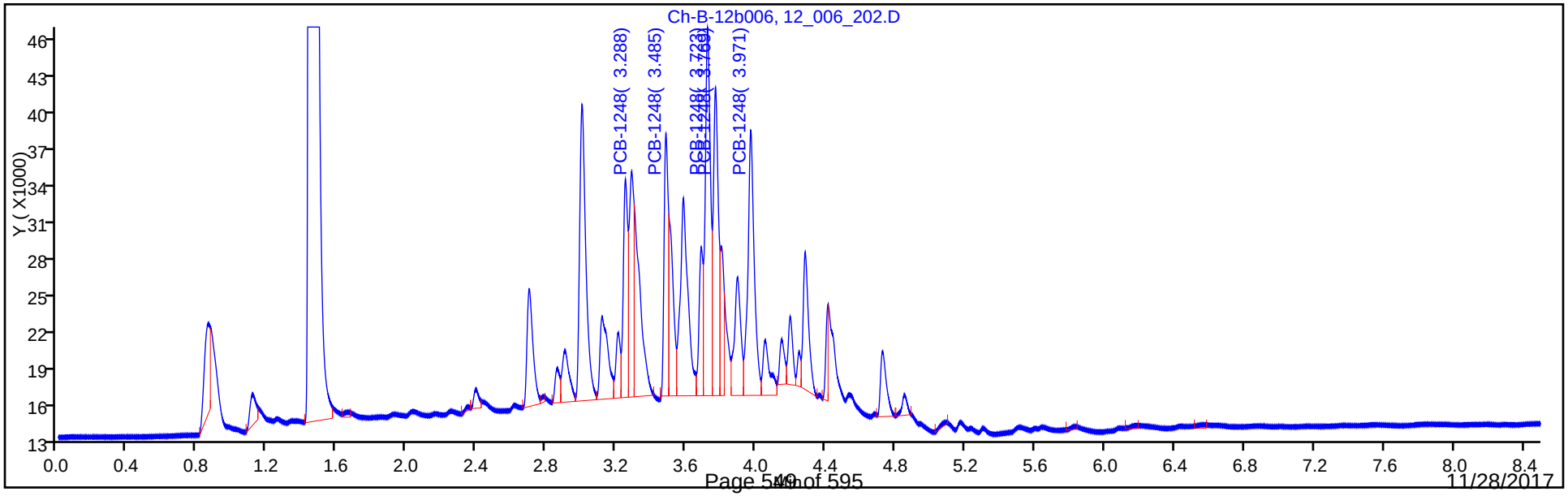
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Injection Date:	24-Nov-2017 12:04:55	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Report Date: 27-Nov-2017 11:16:01 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_202.D

Injection Date: 24-Nov-2017 12:04:55 Instrument ID: HP5890-12

Lims ID: CCV

Client ID:

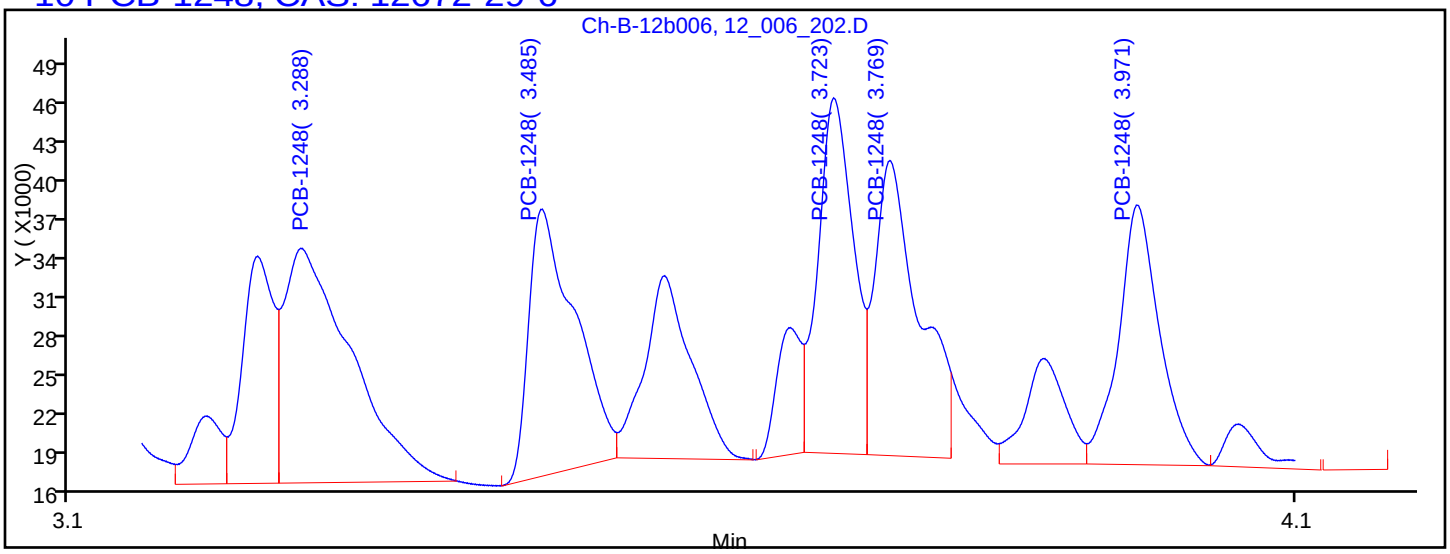
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 8

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

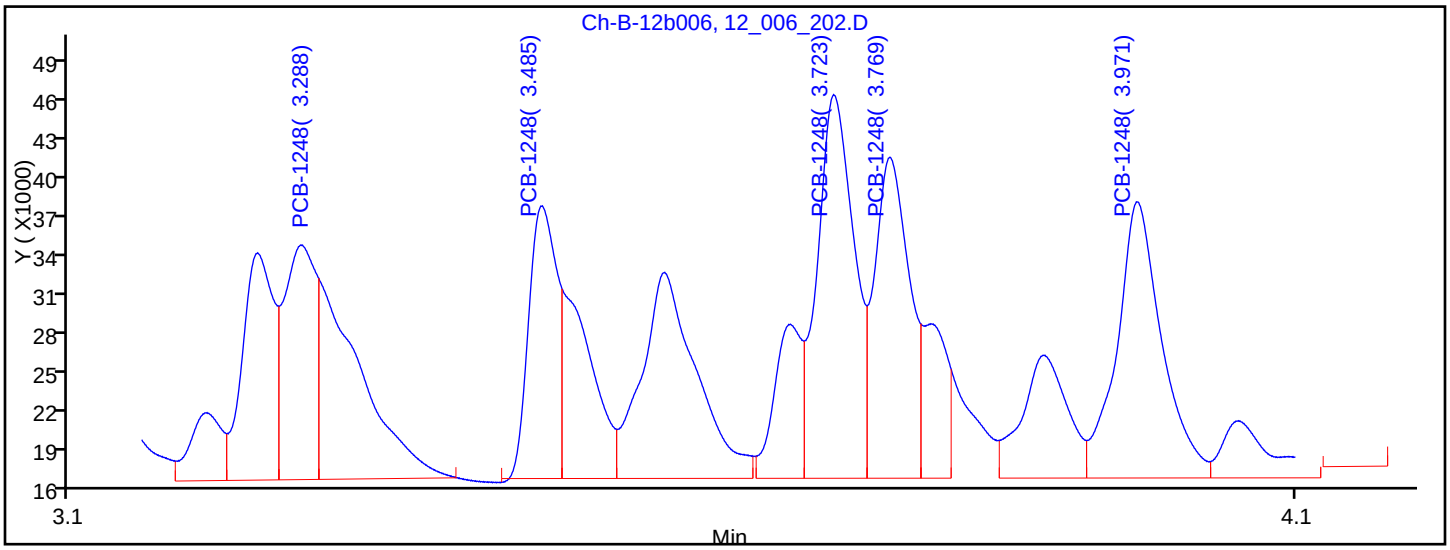
Column: ZB-35 (0.53 mm) Detector Ch-B-7b136

10 PCB-1248, CAS: 12672-29-6



Processing Integration Results

3.288	Response = 69347
3.485	Response = 54338
3.723	Response = 55540
3.769	Response = 57221
3.971	Response = 46988



Manual Integration Results

3.288	Response = 31961	M
3.485	Response = 33423	M
3.723	Response = 62228	M
3.769	Response = 48846	M
3.971	Response = 54710	M

Reviewer: owenj, 24-Nov-2017 12:18:05

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-127885-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-388735/1-A

Matrix: Water | Lab File ID: 12_006_204.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3510C | Date Extracted: 11/22/2017 07:54

Sample wt/vol: 250(mL) | Date Analyzed: 11/24/2017 12:35

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 389001 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.50	0.18
11104-28-2	PCB-1221	ND		0.50	0.18
11141-16-5	PCB-1232	ND		0.50	0.18
53469-21-9	PCB-1242	ND		0.50	0.18
12672-29-6	PCB-1248	ND		0.50	0.18
11097-69-1	PCB-1254	ND		0.50	0.25
11096-82-5	PCB-1260	ND		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	59		19-120
877-09-8	Tetrachloro-m-xylene	86		39-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_204.D
Lims ID: MB 480-388735/1-A
Client ID:
Sample Type: MB
Inject. Date: 24-Nov-2017 12:35:32 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 27-Nov-2017 11:17:58 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: gentnert Date: 27-Nov-2017 11:17:58

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.171	1.171	0.000	1064686	0.5000	0.5000	
2	1.447	1.447	0.000	1070013	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.719	1.717	0.002	36667	0.0200	0.0171	
2	2.004	2.005	-0.001	36876	0.0200	0.0192	
						RPD = 11.64	
$ 15 DCB Decachlorobiphenyl							
1	5.825	5.827	-0.002	32846	0.0200	0.0118	
2	6.766	6.768	-0.002	29405	0.0200	0.0102	
						RPD = 14.30	

Reagents:

COPPER_00070	Amount Added: 1.00	Units: g	Run Reagent
PCB IS 1B2NB_00037	Amount Added: 10.00	Units: uL	Run Reagent

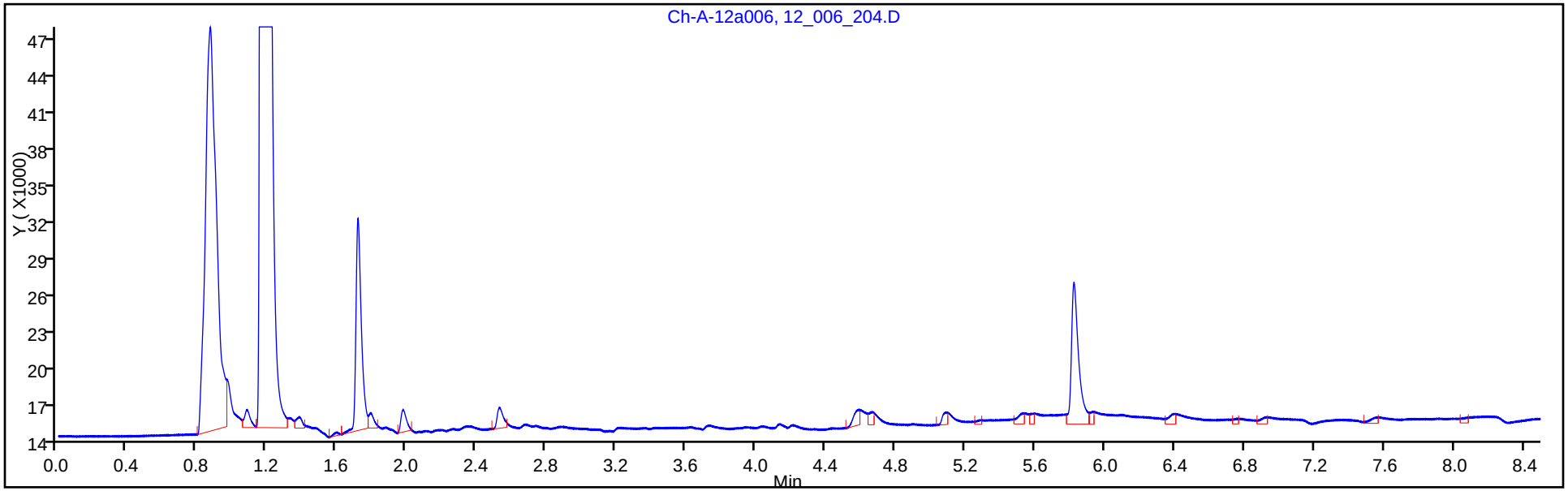
Report Date: 27-Nov-2017 11:17:58 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

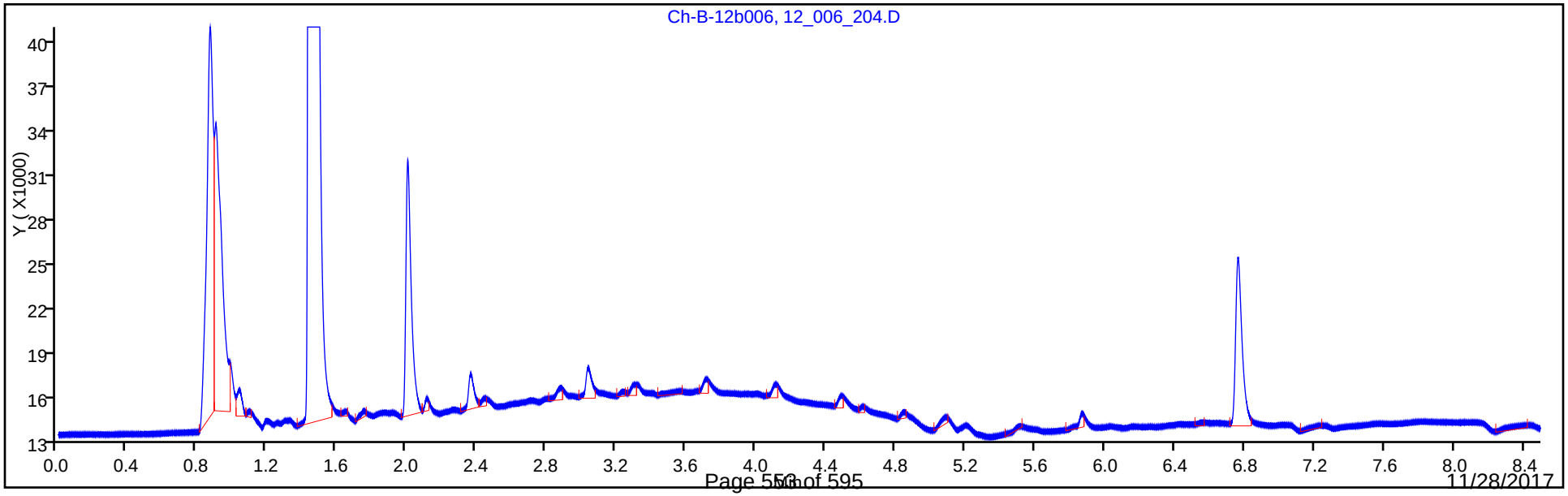
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_204.D

Injection Date:	24-Nov-2017 12:35:32	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	MB 480-388735/1-A			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-127885-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-388735/1-A

Matrix: Water | Lab File ID: 12_006_204.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3510C | Date Extracted: 11/22/2017 07:54

Sample wt/vol: 250(mL) | Date Analyzed: 11/24/2017 12:35

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 389001 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	51		19-120
877-09-8	Tetrachloro-m-xylene	96		39-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_204.D
Lims ID: MB 480-388735/1-A
Client ID:
Sample Type: MB
Inject. Date: 24-Nov-2017 12:35:32 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 27-Nov-2017 11:17:58 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: gentnert Date: 27-Nov-2017 11:17:58

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.171	1.171	0.000	1064686	0.5000	0.5000	
2	1.447	1.447	0.000	1070013	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.719	1.717	0.002	36667	0.0200	0.0171	
2	2.004	2.005	-0.001	36876	0.0200	0.0192	
						RPD = 11.64	
$ 15 DCB Decachlorobiphenyl							
1	5.825	5.827	-0.002	32846	0.0200	0.0118	
2	6.766	6.768	-0.002	29405	0.0200	0.0102	
						RPD = 14.30	

Reagents:

COPPER_00070	Amount Added: 1.00	Units: g	Run Reagent
PCB IS 1B2NB_00037	Amount Added: 10.00	Units: uL	Run Reagent

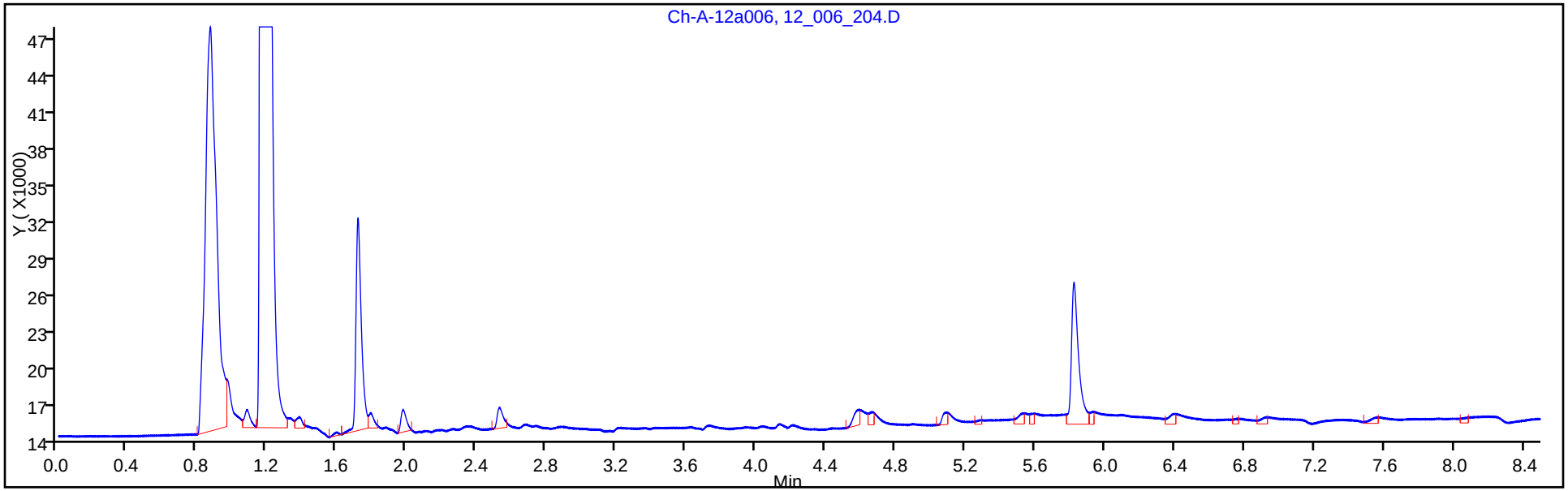
Report Date: 27-Nov-2017 11:17:59 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

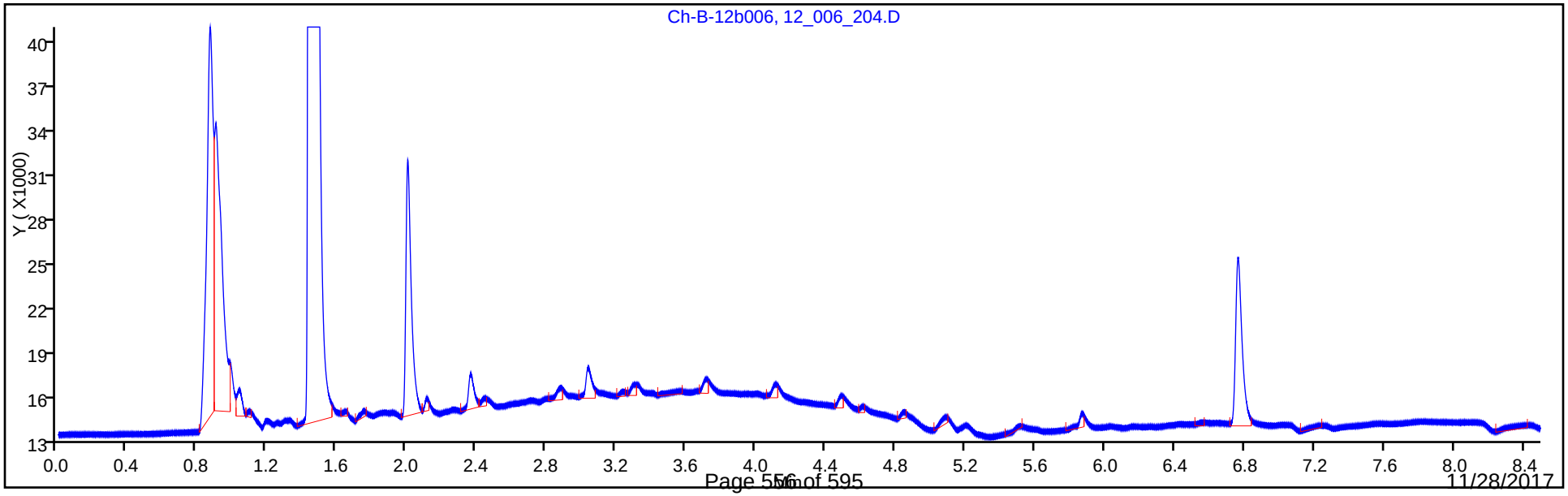
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_204.D

Injection Date:	24-Nov-2017 12:35:32	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	MB 480-388735/1-A			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-127885-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-388735/2-A

Matrix: Water | Lab File ID: 12_006_205.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3510C | Date Extracted: 11/22/2017 07:54

Sample wt/vol: 250(mL) | Date Analyzed: 11/24/2017 12:50

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 389001 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	3.55		0.50	0.18
11096-82-5	PCB-1260	3.00		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	42		19-120
877-09-8	Tetrachloro-m-xylene	80		39-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_205.D
Lims ID: LCS 480-388735/2-A
Client ID:
Sample Type: LCS
Inject. Date: 24-Nov-2017 12:50:51 ALS Bottle#: 0 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 27-Nov-2017 11:21:57 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: gentnert Date: 27-Nov-2017 11:21:57

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.171	1.171	0.000	1115144	0.5000	0.5000	
2	1.447	1.447	0.000	1131072	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.719	1.717	0.002	35749	0.0200	0.0160	
2	2.005	2.005	0.000	35019	0.0200	0.0173	
						RPD = 8.07	
9 PCB-1016							M
1	1.912	1.909	0.003	23534	0.5000	0.3880	M
1	2.270	2.267	0.003	29940	0.5000	0.4636	M
1	2.438	2.436	0.002	90464	0.5000	0.4107	M
1	2.506	2.504	0.002	44094	0.5000	0.5137	M
1	2.555	2.554	0.001	23582	0.5000	0.4439	M
		Average of Peak Amounts =				0.4440	
2	2.392	2.390	0.002	28468	0.5000	0.6137	
2	2.700	2.699	0.001	48033	0.5000	0.5036	
2	2.905	2.905	0.000	33611	0.5000	0.5724	
2	3.003	3.001	0.002	106940	0.5000	0.5864	
2	3.119	3.116	0.003	42244	0.5000	0.5575	
		Average of Peak Amounts =				0.5667	
						RPD = 24.30	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	3.904	3.904	0.000	49941	0.5000	0.3853	M
1	4.114	4.115	-0.001	86853	0.5000	0.5032	M
1	4.239	4.239	0.000	32037	0.5000	0.3284	
1	4.417	4.419	-0.002	26625	0.5000	0.3297	
1	4.845	4.846	-0.001	36607	0.5000	0.3275	
		Average of Peak Amounts =				0.3748	
2	4.851	4.850	0.001	60755	0.5000	0.5120	
2	5.166	5.165	0.001	36701	0.5000	0.3681	
2	5.233	5.233	0.000	34804	0.5000	0.4684	
2	5.299	5.300	-0.001	84119	0.5000	0.3185	
2	5.639	5.640	-0.001	53605	0.5000	0.3103	
		Average of Peak Amounts =				0.3955	
						RPD = 5.37	
$ 15 DCB Decachlorobiphenyl							
1	5.825	5.827	-0.002	24362	0.0200	0.008322	
2	6.767	6.768	-0.001	25338	0.0200	0.008284	
						RPD = 0.46	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

COPPER_00070	Amount Added: 1.00	Units: g	Run Reagent
PCB IS 1B2NB_00037	Amount Added: 10.00	Units: uL	Run Reagent

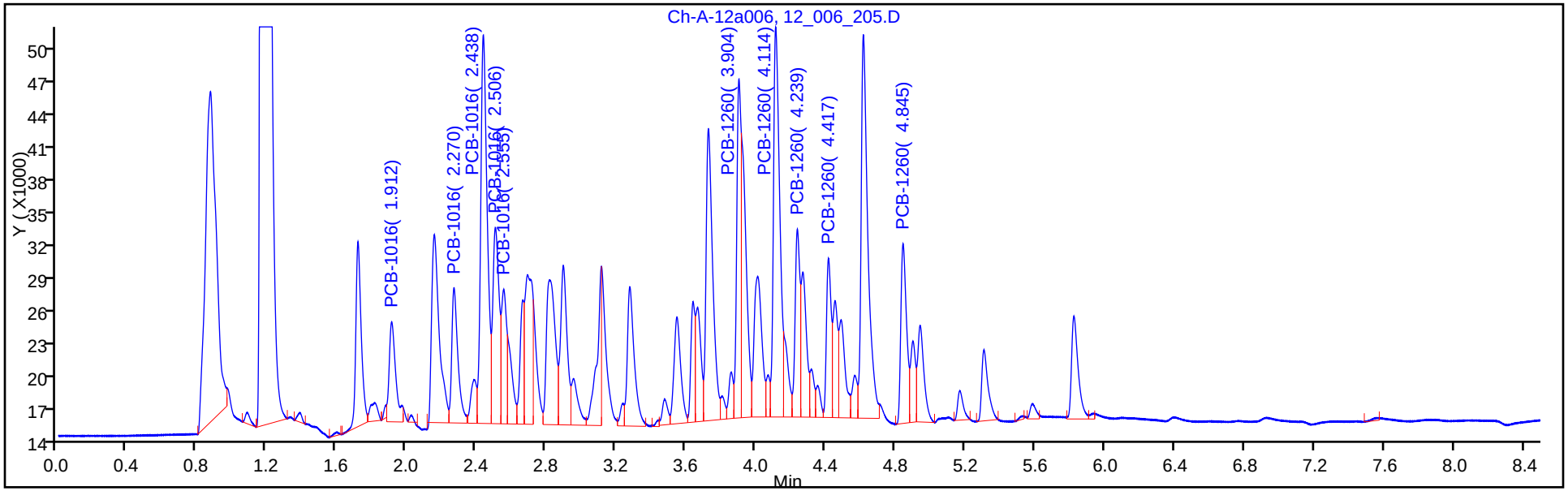
Report Date: 27-Nov-2017 11:21:57 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

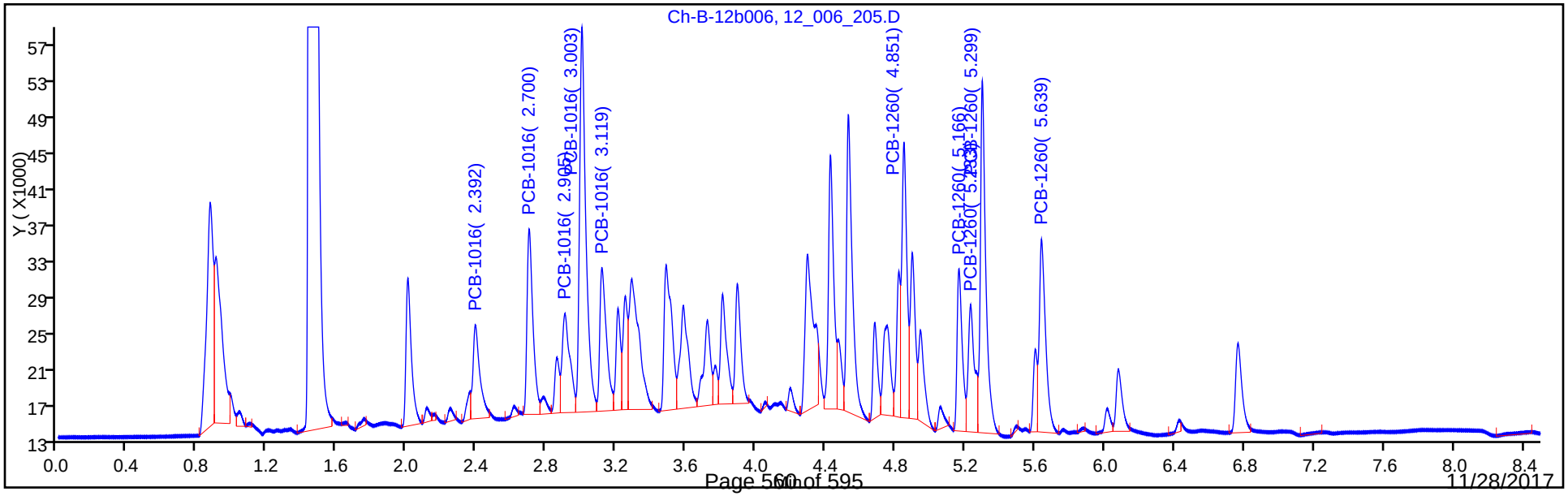
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_205.D

Injection Date:	24-Nov-2017 12:50:51	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	LCS 480-388735/2-A			Worklist Smp#:	11
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Report Date: 27-Nov-2017 11:21:57 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_205.D

Injection Date: 24-Nov-2017 12:50:51 Instrument ID: HP5890-12

Lims ID: LCS 480-388735/2-A

Client ID:

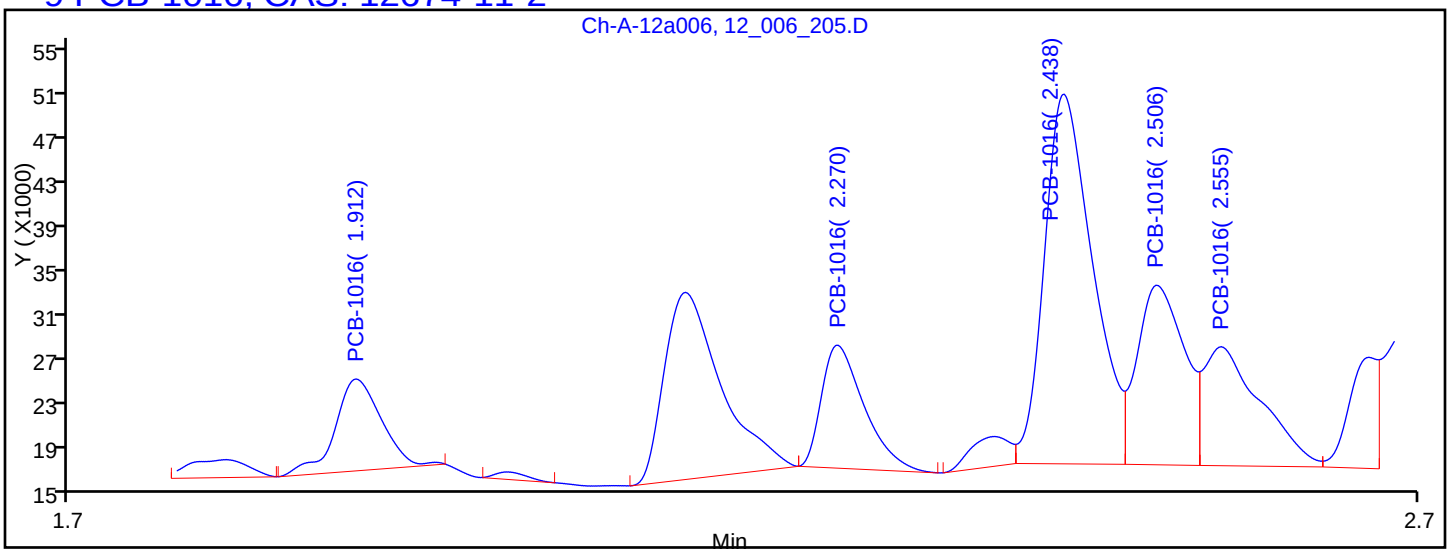
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 11

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

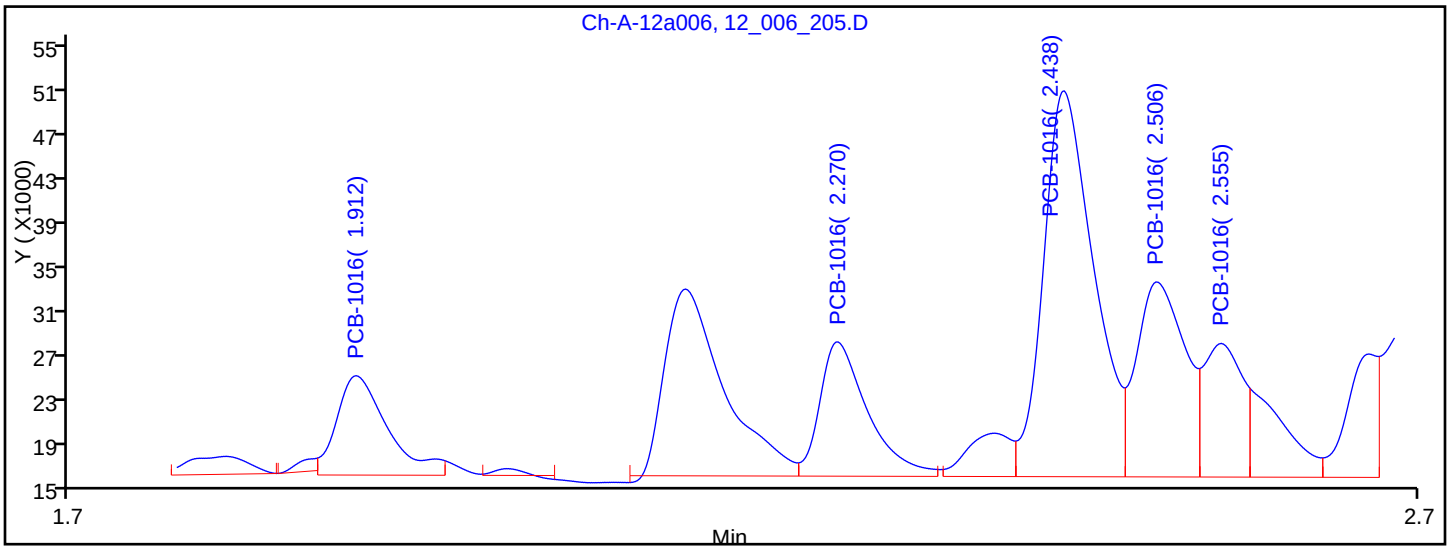
Column: ZB-5 (0.53 mm) Detector Ch-A-7A136

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

1.912	Response = 19870
2.270	Response = 24409
2.438	Response = 83395
2.506	Response = 39516
2.555	Response = 31267



Manual Integration Results

1.912	Response = 23534	M
2.270	Response = 29940	M
2.438	Response = 90464	M
2.506	Response = 44094	M
2.555	Response = 23582	M

Reviewer: gentnert, 27-Nov-2017 11:20:49

Audit Action: Assigned New Baseline Audit Reason: Split Peak

Report Date: 27-Nov-2017 11:21:58 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_205.D

Injection Date: 24-Nov-2017 12:50:51 Instrument ID: HP5890-12

Lims ID: LCS 480-388735/2-A

Client ID:

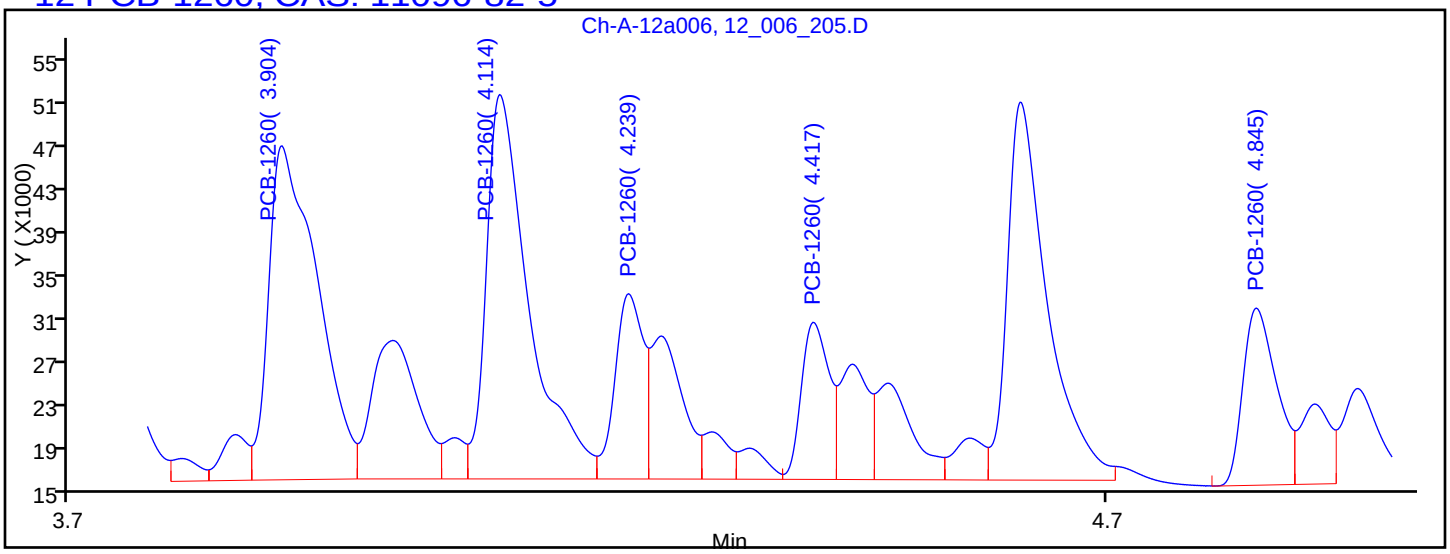
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 11

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 5890-12 PCB IS Limit Group: GC - 8082A PCB IS ICAL

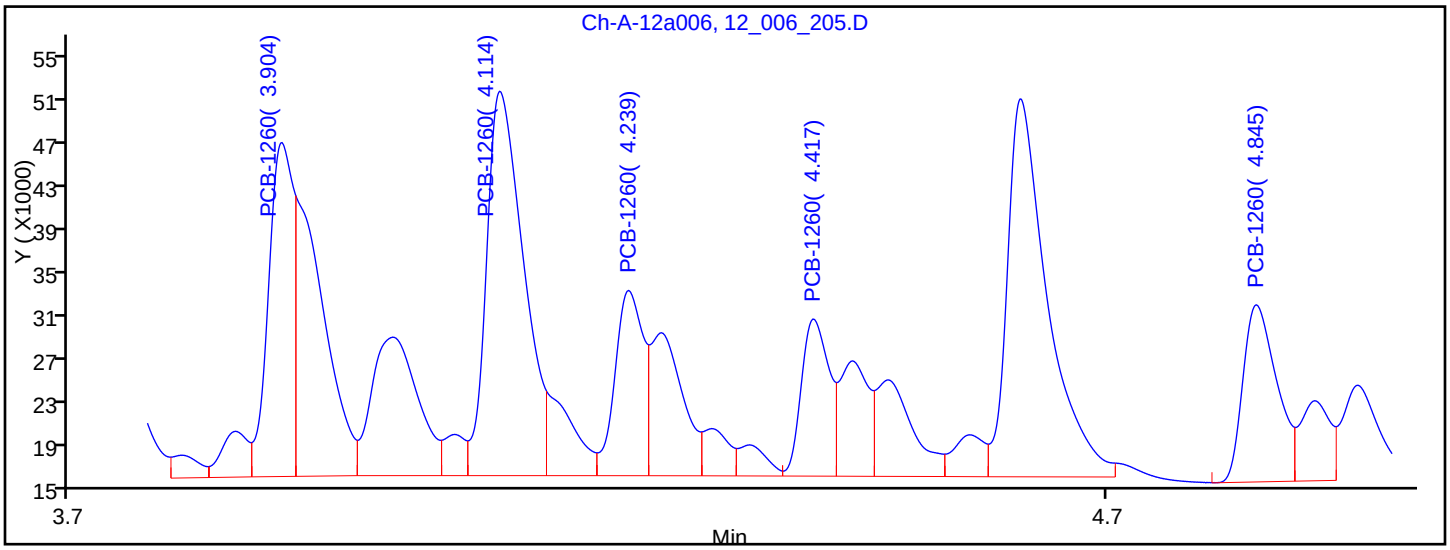
Column: ZB-5 (0.53 mm) Detector Ch-A-7A136

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

3.904	Response = 99175
4.114	Response = 100647
4.239	Response = 32037
4.417	Response = 26625
4.845	Response = 36607



Manual Integration Results

3.904	Response = 49941	M
4.114	Response = 86853	M
4.239	Response = 32037	
4.417	Response = 26625	
4.845	Response = 36607	

Reviewer: gentnert, 27-Nov-2017 11:20:17

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-127885-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-388735/2-A

Matrix: Water | Lab File ID: 12_006_205.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3510C | Date Extracted: 11/22/2017 07:54

Sample wt/vol: 250(mL) | Date Analyzed: 11/24/2017 12:50

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 389001 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	41		19-120
877-09-8	Tetrachloro-m-xylene	86		39-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_205.D
Lims ID: LCS 480-388735/2-A
Client ID:
Sample Type: LCS
Inject. Date: 24-Nov-2017 12:50:51 ALS Bottle#: 0 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 27-Nov-2017 11:21:57 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: gentnert Date: 27-Nov-2017 11:21:57

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.171	1.171	0.000	1115144	0.5000	0.5000	
2	1.447	1.447	0.000	1131072	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.719	1.717	0.002	35749	0.0200	0.0160	
2	2.005	2.005	0.000	35019	0.0200	0.0173	
						RPD = 8.07	
9 PCB-1016							M
1	1.912	1.909	0.003	23534	0.5000	0.3880	M
1	2.270	2.267	0.003	29940	0.5000	0.4636	M
1	2.438	2.436	0.002	90464	0.5000	0.4107	M
1	2.506	2.504	0.002	44094	0.5000	0.5137	M
1	2.555	2.554	0.001	23582	0.5000	0.4439	M
		Average of Peak Amounts =				0.4440	
2	2.392	2.390	0.002	28468	0.5000	0.6137	
2	2.700	2.699	0.001	48033	0.5000	0.5036	
2	2.905	2.905	0.000	33611	0.5000	0.5724	
2	3.003	3.001	0.002	106940	0.5000	0.5864	
2	3.119	3.116	0.003	42244	0.5000	0.5575	
		Average of Peak Amounts =				0.5667	
						RPD = 24.30	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	3.904	3.904	0.000	49941	0.5000	0.3853	M
1	4.114	4.115	-0.001	86853	0.5000	0.5032	M
1	4.239	4.239	0.000	32037	0.5000	0.3284	
1	4.417	4.419	-0.002	26625	0.5000	0.3297	
1	4.845	4.846	-0.001	36607	0.5000	0.3275	
		Average of Peak Amounts =				0.3748	
2	4.851	4.850	0.001	60755	0.5000	0.5120	
2	5.166	5.165	0.001	36701	0.5000	0.3681	
2	5.233	5.233	0.000	34804	0.5000	0.4684	
2	5.299	5.300	-0.001	84119	0.5000	0.3185	
2	5.639	5.640	-0.001	53605	0.5000	0.3103	
		Average of Peak Amounts =				0.3955	
						RPD = 5.37	
$ 15 DCB Decachlorobiphenyl							
1	5.825	5.827	-0.002	24362	0.0200	0.008322	
2	6.767	6.768	-0.001	25338	0.0200	0.008284	
						RPD = 0.46	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

COPPER_00070	Amount Added: 1.00	Units: g	Run Reagent
PCB IS 1B2NB_00037	Amount Added: 10.00	Units: uL	Run Reagent

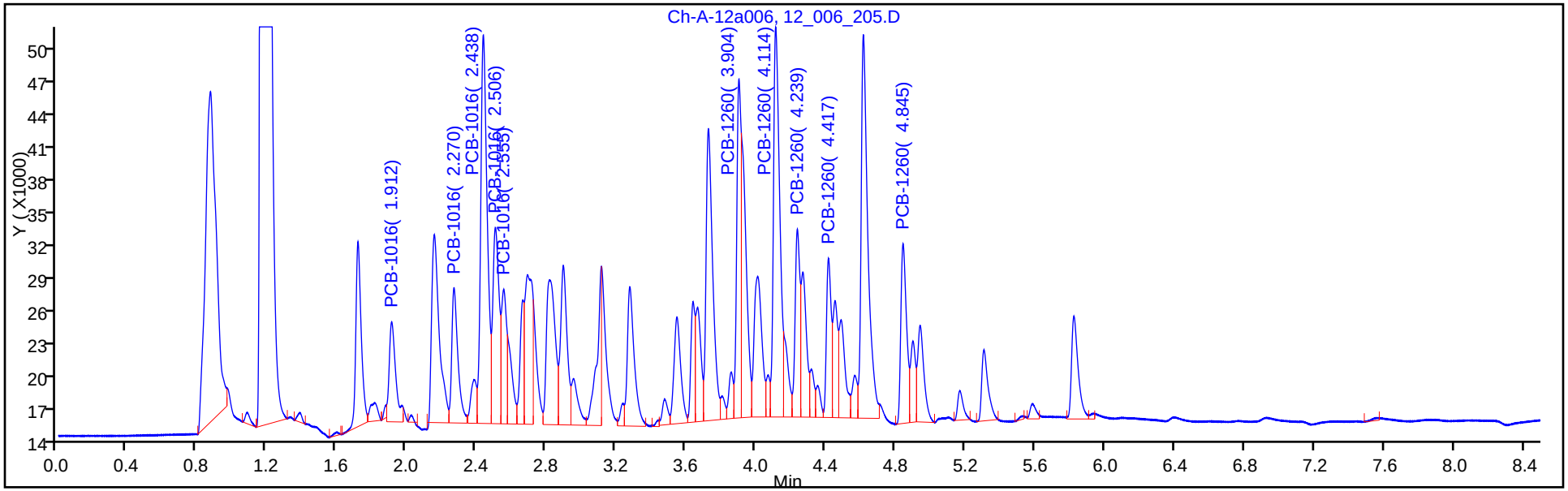
Report Date: 27-Nov-2017 11:21:58 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

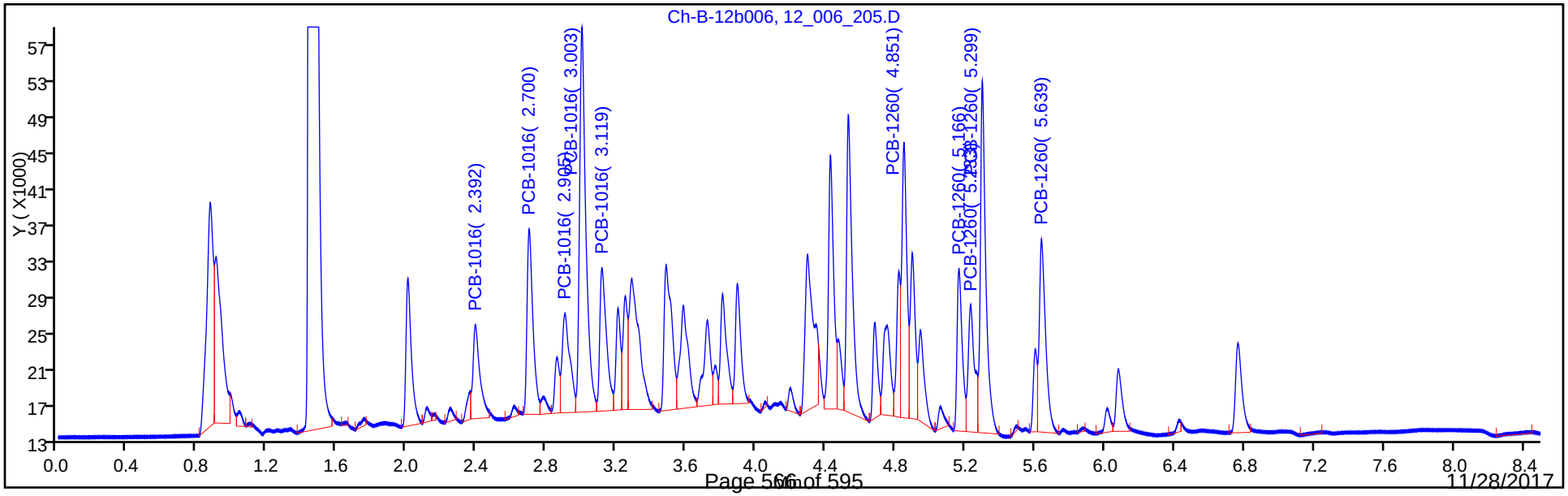
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_205.D

Injection Date:	24-Nov-2017 12:50:51	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	LCS 480-388735/2-A			Worklist Smp#:	11
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-127885-1

SDG No.:

Client Sample ID: MW-5R MS | Lab Sample ID: 480-127885-3 MS

Matrix: Water | Lab File ID: 12_006_206.D

Analysis Method: 8082A | Date Collected: 11/20/2017 14:00

Extraction Method: 3510C | Date Extracted: 11/22/2017 07:54

Sample wt/vol: 250(mL) | Date Analyzed: 11/24/2017 13:06

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 389001 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	3.96		0.50	0.18
11104-28-2	PCB-1221	ND		0.50	0.18
11141-16-5	PCB-1232	ND		0.50	0.18
53469-21-9	PCB-1242	ND		0.50	0.18
12672-29-6	PCB-1248	ND		0.50	0.18
11097-69-1	PCB-1254	ND		0.50	0.25
11096-82-5	PCB-1260	3.36		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	60		19-120
877-09-8	Tetrachloro-m-xylene	100		39-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_206.D
Lims ID: 480-127885-B-3-A MS
Client ID: MW-5R
Sample Type: MS
Inject. Date: 24-Nov-2017 13:06:11 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 27-Nov-2017 11:24:39 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: gentnert Date: 27-Nov-2017 11:24:39

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.171	1.171	0.000	1071680	0.5000	0.5000	
2	1.447	1.447	0.000	1090743	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.719	1.717	0.002	43092	0.0200	0.0200	
2	2.005	2.005	0.000	36825	0.0200	0.0189	
						RPD = 5.74	
9 PCB-1016							M
1	1.912	1.909	0.003	25779	0.5000	0.4423	M
1	2.269	2.267	0.002	31712	0.5000	0.5109	M
1	2.438	2.436	0.002	95642	0.5000	0.4518	M
1	2.507	2.504	0.003	45875	0.5000	0.5572	M
1	2.555	2.554	0.001	26128	0.5000	0.5129	M
		Average of Peak Amounts =				0.4950	
2	2.392	2.390	0.002	35841	0.5000	0.8066	
2	2.701	2.699	0.002	50009	0.5000	0.5446	
2	2.905	2.905	0.000	34823	0.5000	0.6148	
2	3.003	3.001	0.002	111136	0.5000	0.6322	
2	3.117	3.116	0.001	43447	0.5000	0.5946	
		Average of Peak Amounts =				0.6385	
						RPD = 25.33	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	3.903	3.904	-0.001	53976	0.5000	0.4362	M
1	4.115	4.115	0.000	91910	0.5000	0.5551	M
1	4.239	4.239	0.000	35046	0.5000	0.3738	
1	4.417	4.419	-0.002	28630	0.5000	0.3685	
1	4.845	4.846	-0.001	38983	0.5000	0.3639	
		Average of Peak Amounts =				0.4195	
2	4.849	4.850	-0.001	63191	0.5000	0.5526	
2	5.165	5.165	0.000	37546	0.5000	0.3911	
2	5.232	5.233	-0.001	35919	0.5000	0.5019	
2	5.299	5.300	-0.001	87847	0.5000	0.3453	
2	5.639	5.640	-0.001	56107	0.5000	0.3369	
		Average of Peak Amounts =				0.4256	
						RPD = 1.43	
2 1260 Res 1							
1	4.845	4.846	-0.001	38983		NC	
2	5.165	5.165	0.000	37546		NC	
4 1260 Res 2							
1	4.901	4.904	-0.003	16143		NC	
2	5.232	5.233	-0.001	35919		NC	
3 1260 Res 3							
1	4.943	4.945	-0.002	24836		NC	
2	5.299	5.300	-0.001	87847		NC	
$ 15 DCB Decachlorobiphenyl							
1	5.825	5.827	-0.002	33619	0.0200	0.0120	
2	6.767	6.768	-0.001	34213	0.0200	0.0116	
						RPD = 2.65	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

COPPER_00070	Amount Added: 1.00	Units: g	Run Reagent
PCB IS 1B2NB_00037	Amount Added: 10.00	Units: uL	Run Reagent

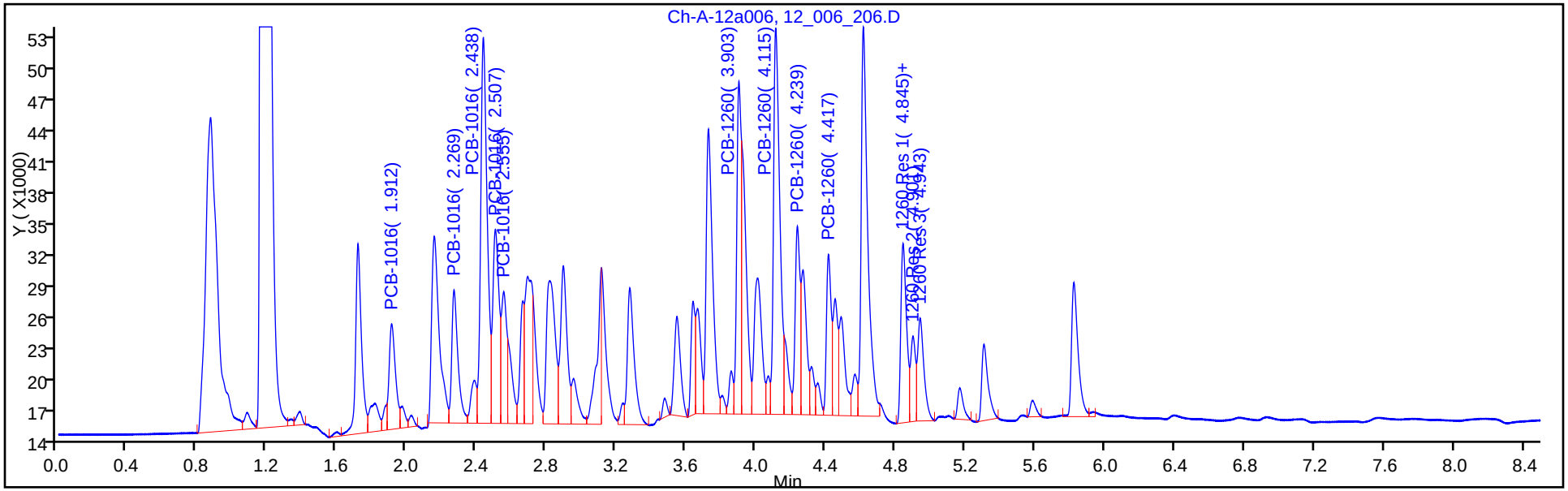
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TestAmerica Buffalo

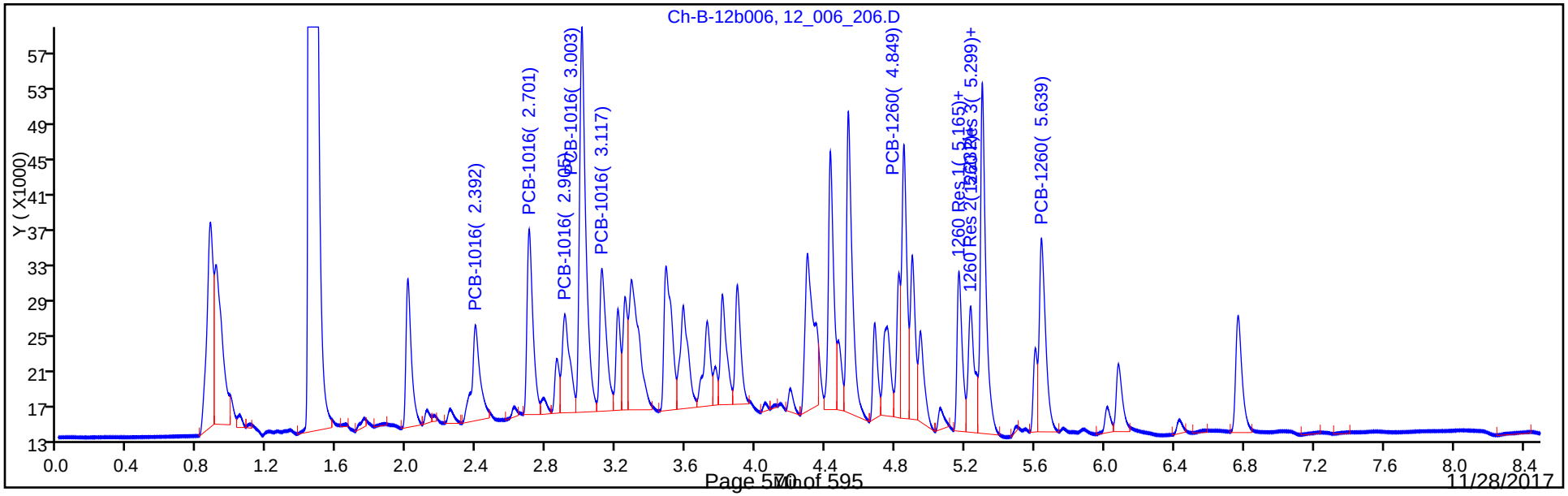
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_206.D

Injection Date:	24-Nov-2017 13:06:11	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-127885-B-3-A MS			Worklist Smp#:	12
Client ID:	MW-5R				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



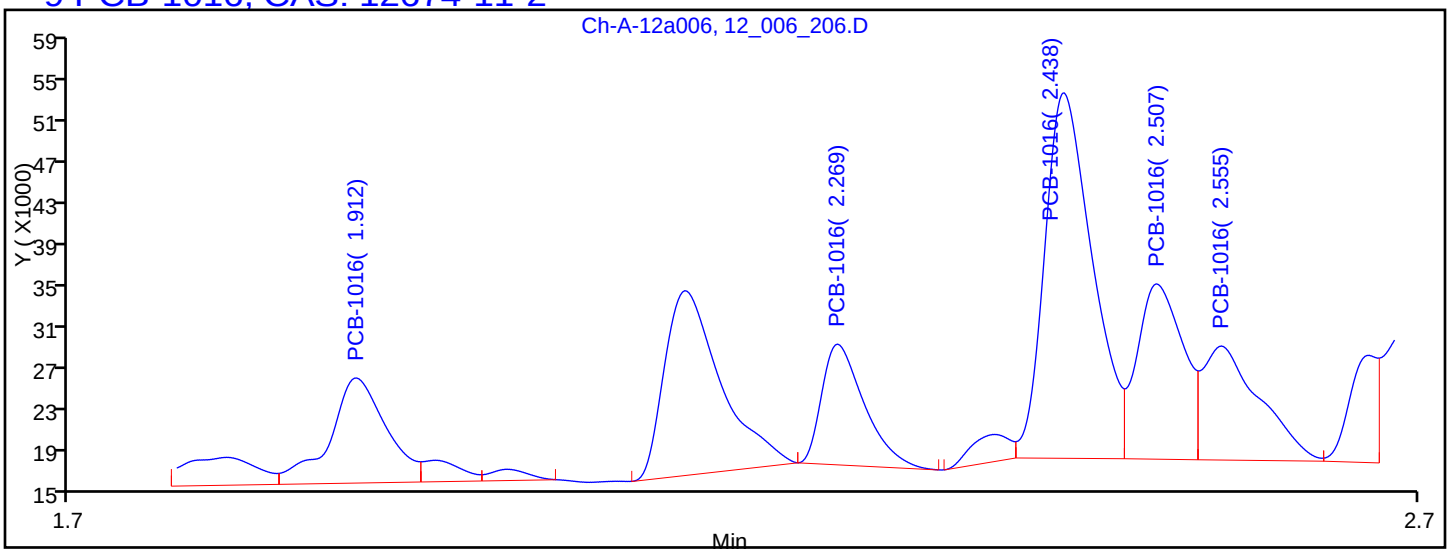
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TestAmerica Buffalo

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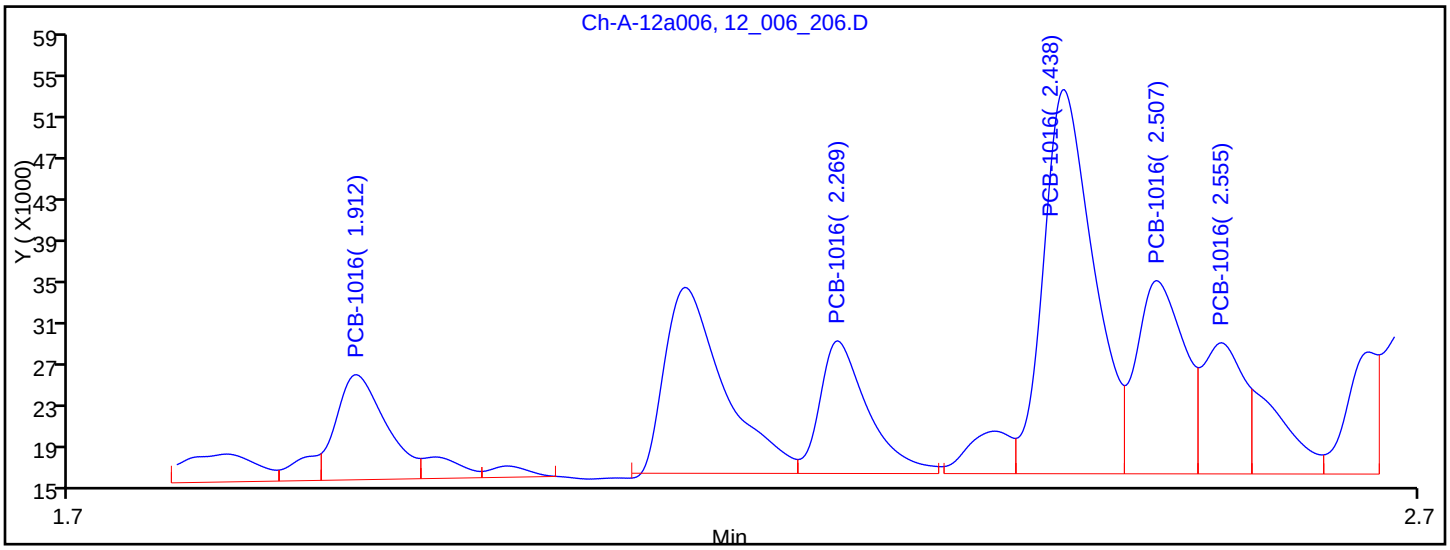
Injection Date:	24-Nov-2017 13:06:11	Instrument ID:	HP5890-12		
Lims ID:	480-127885-B-3-A MS				
Client ID:	MW-5R				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:	ZB-5 (0.53 mm)	Detector	Ch-A-7A136		

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

1.912	Response = 29349
2.269	Response = 25466
2.438	Response = 86978
2.507	Response = 40255
2.555	Response = 31981



Manual Integration Results

1.912	Response = 25779	M
2.269	Response = 31712	M
2.438	Response = 95642	M
2.507	Response = 45875	M
2.555	Response = 26128	M

Reviewer: gentnert, 27-Nov-2017 11:23:17

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

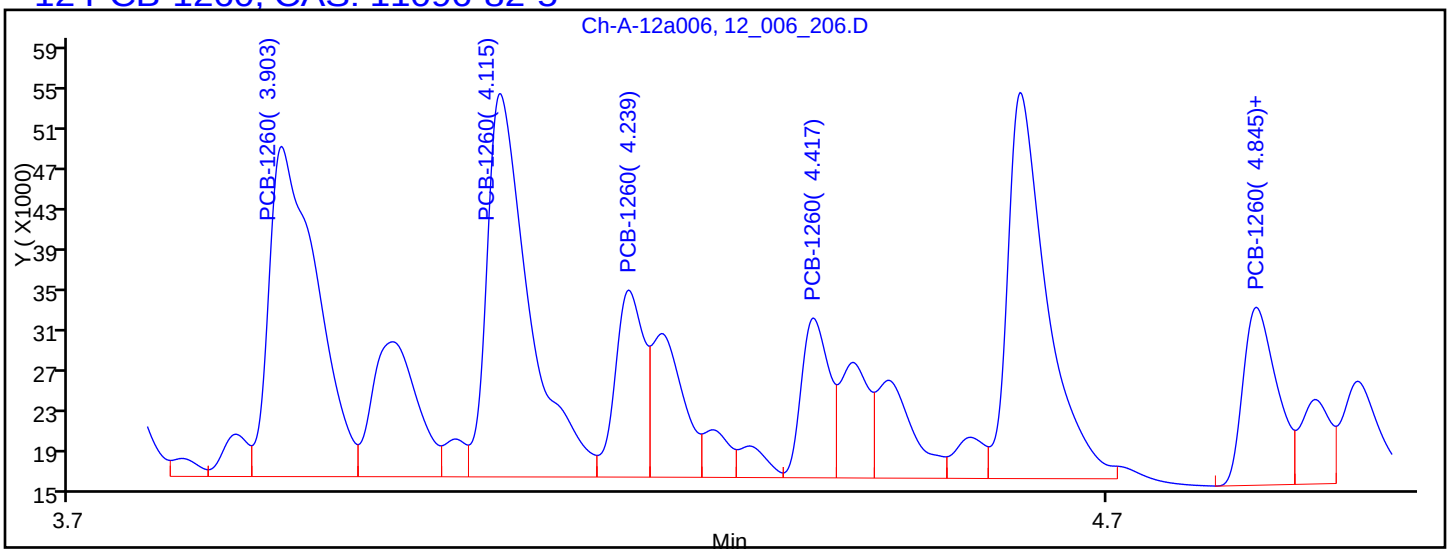
Report Date: 27-Nov-2017 11:24:40 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_206.D

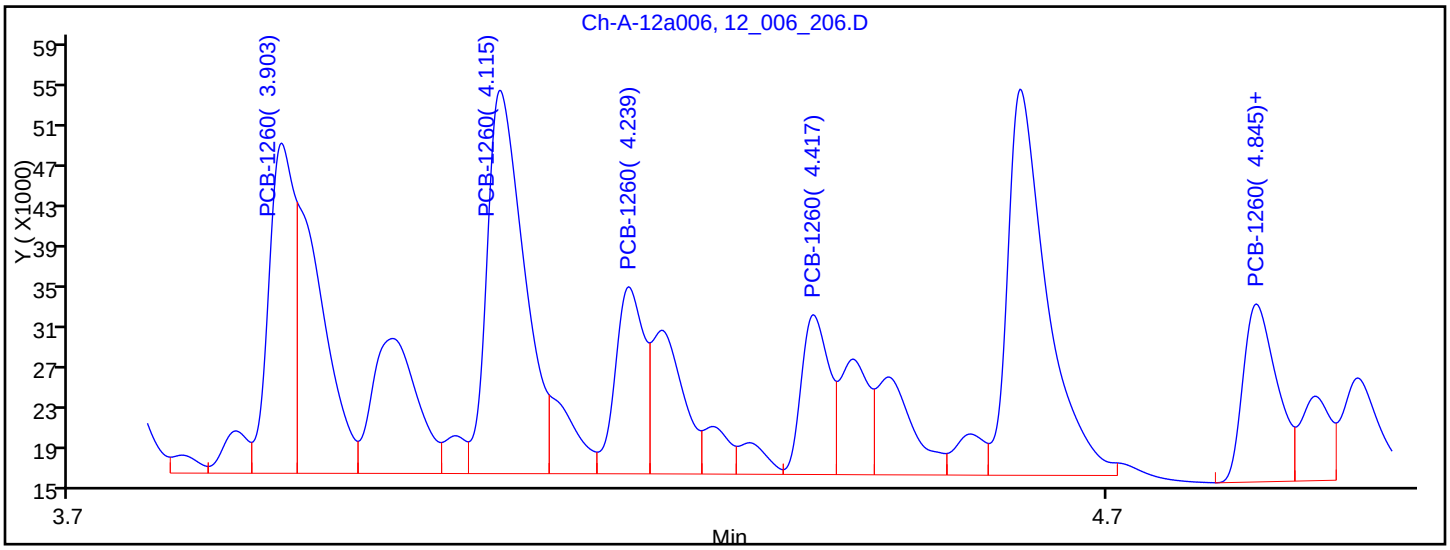
Injection Date:	24-Nov-2017 13:06:11	Instrument ID:	HP5890-12		
Lims ID:	480-127885-B-3-A MS				
Client ID:	MW-5R				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:	ZB-5 (0.53 mm)	Detector	Ch-A-7A136		

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

3.903	Response = 102669
4.115	Response = 104896
4.239	Response = 35046
4.417	Response = 28630
4.845	Response = 38983



Manual Integration Results

3.903	Response = 53976	M
4.115	Response = 91910	M
4.239	Response = 35046	
4.417	Response = 28630	
4.845	Response = 38983	

Reviewer: gentnert, 27-Nov-2017 11:23:25

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-127885-1

SDG No.:

Client Sample ID: MW-5R MS | Lab Sample ID: 480-127885-3 MS

Matrix: Water | Lab File ID: 12_006_206.D

Analysis Method: 8082A | Date Collected: 11/20/2017 14:00

Extraction Method: 3510C | Date Extracted: 11/22/2017 07:54

Sample wt/vol: 250(mL) | Date Analyzed: 11/24/2017 13:06

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 389001 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	58		19-120
877-09-8	Tetrachloro-m-xylene	94		39-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_206.D
Lims ID: 480-127885-B-3-A MS
Client ID: MW-5R
Sample Type: MS
Inject. Date: 24-Nov-2017 13:06:11 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 27-Nov-2017 11:24:39 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: gentnert Date: 27-Nov-2017 11:24:39

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.171	1.171	0.000	1071680	0.5000	0.5000	
2	1.447	1.447	0.000	1090743	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.719	1.717	0.002	43092	0.0200	0.0200	
2	2.005	2.005	0.000	36825	0.0200	0.0189	
						RPD = 5.74	
9 PCB-1016							M
1	1.912	1.909	0.003	25779	0.5000	0.4423	M
1	2.269	2.267	0.002	31712	0.5000	0.5109	M
1	2.438	2.436	0.002	95642	0.5000	0.4518	M
1	2.507	2.504	0.003	45875	0.5000	0.5572	M
1	2.555	2.554	0.001	26128	0.5000	0.5129	M
		Average of Peak Amounts =				0.4950	
2	2.392	2.390	0.002	35841	0.5000	0.8066	
2	2.701	2.699	0.002	50009	0.5000	0.5446	
2	2.905	2.905	0.000	34823	0.5000	0.6148	
2	3.003	3.001	0.002	111136	0.5000	0.6322	
2	3.117	3.116	0.001	43447	0.5000	0.5946	
		Average of Peak Amounts =				0.6385	
						RPD = 25.33	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	3.903	3.904	-0.001	53976	0.5000	0.4362	M
1	4.115	4.115	0.000	91910	0.5000	0.5551	M
1	4.239	4.239	0.000	35046	0.5000	0.3738	
1	4.417	4.419	-0.002	28630	0.5000	0.3685	
1	4.845	4.846	-0.001	38983	0.5000	0.3639	
		Average of Peak Amounts =				0.4195	
2	4.849	4.850	-0.001	63191	0.5000	0.5526	
2	5.165	5.165	0.000	37546	0.5000	0.3911	
2	5.232	5.233	-0.001	35919	0.5000	0.5019	
2	5.299	5.300	-0.001	87847	0.5000	0.3453	
2	5.639	5.640	-0.001	56107	0.5000	0.3369	
		Average of Peak Amounts =				0.4256	
						RPD = 1.43	
2 1260 Res 1							
1	4.845	4.846	-0.001	38983		NC	
2	5.165	5.165	0.000	37546		NC	
4 1260 Res 2							
1	4.901	4.904	-0.003	16143		NC	
2	5.232	5.233	-0.001	35919		NC	
3 1260 Res 3							
1	4.943	4.945	-0.002	24836		NC	
2	5.299	5.300	-0.001	87847		NC	
$ 15 DCB Decachlorobiphenyl							
1	5.825	5.827	-0.002	33619	0.0200	0.0120	
2	6.767	6.768	-0.001	34213	0.0200	0.0116	
						RPD = 2.65	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

COPPER_00070	Amount Added: 1.00	Units: g	Run Reagent
PCB IS 1B2NB_00037	Amount Added: 10.00	Units: uL	Run Reagent

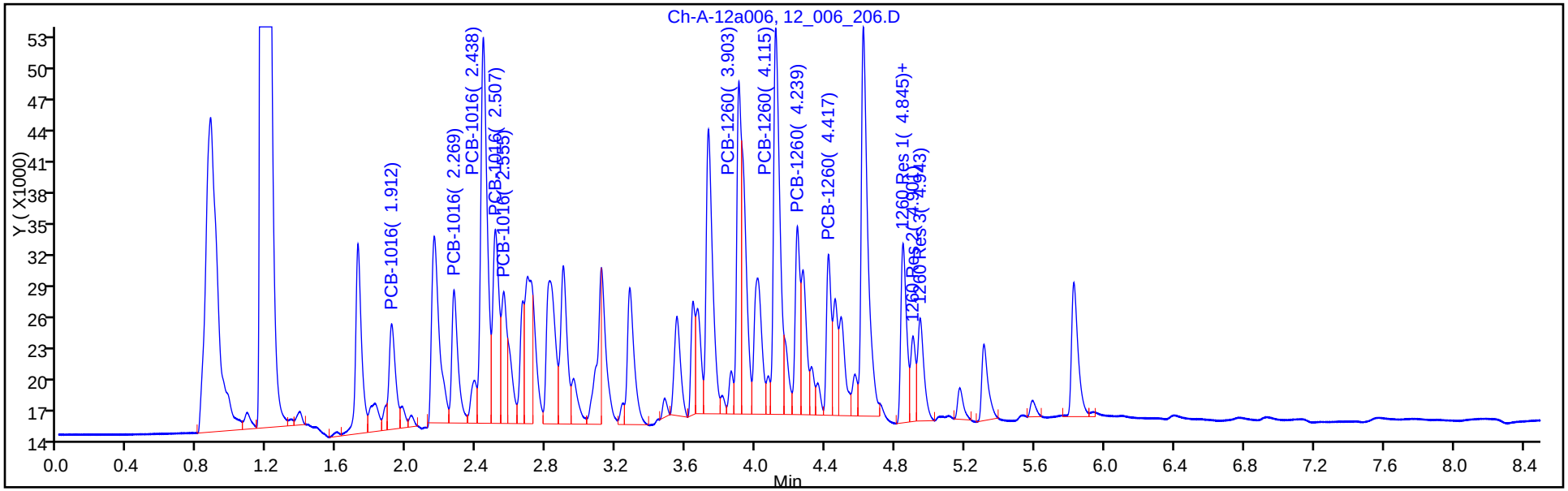
Report Date: 27-Nov-2017 11:24:40 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

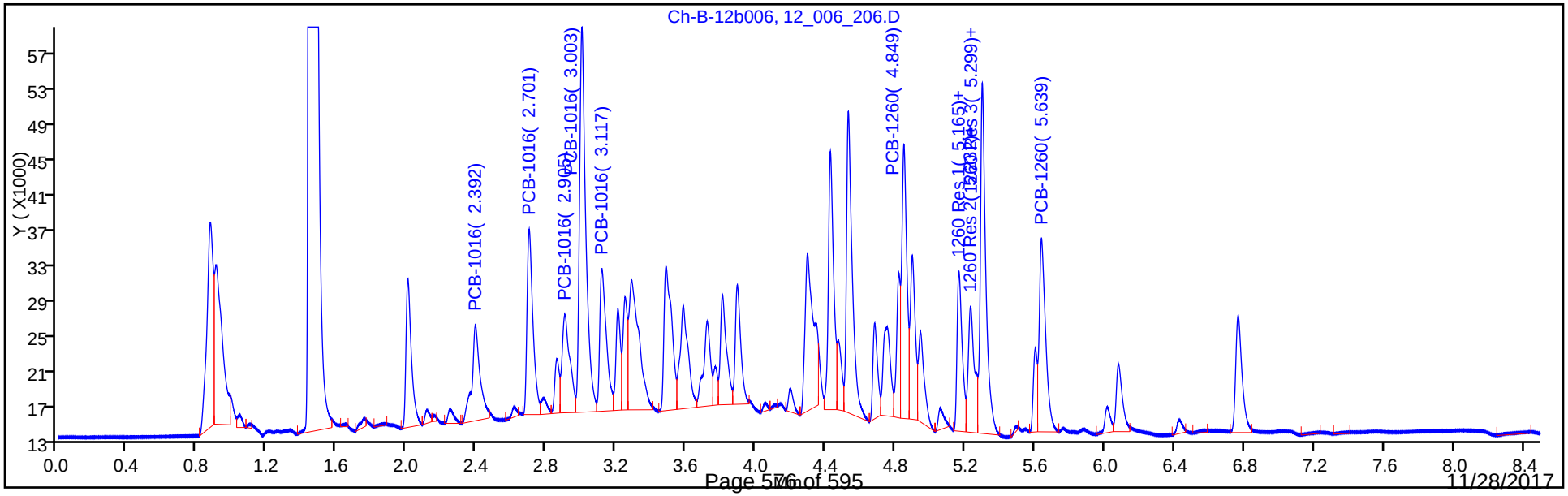
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_206.D

Injection Date:	24-Nov-2017 13:06:11	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-127885-B-3-A MS			Worklist Smp#:	12
Client ID:	MW-5R				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-127885-1

SDG No.:

Client Sample ID: MW-5R MSD | Lab Sample ID: 480-127885-3 MSD

Matrix: Water | Lab File ID: 12_006_207.D

Analysis Method: 8082A | Date Collected: 11/20/2017 14:00

Extraction Method: 3510C | Date Extracted: 11/22/2017 07:54

Sample wt/vol: 250(mL) | Date Analyzed: 11/24/2017 13:21

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 389001 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	3.85		0.50	0.18
11104-28-2	PCB-1221	ND		0.50	0.18
11141-16-5	PCB-1232	ND		0.50	0.18
53469-21-9	PCB-1242	ND		0.50	0.18
12672-29-6	PCB-1248	ND		0.50	0.18
11097-69-1	PCB-1254	ND		0.50	0.25
11096-82-5	PCB-1260	3.27		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	60		19-120
877-09-8	Tetrachloro-m-xylene	94		39-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_207.D
Lims ID: 480-127885-B-3-B MSD
Client ID: MW-5R
Sample Type: MSD
Inject. Date: 24-Nov-2017 13:21:28 ALS Bottle#: 0 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 27-Nov-2017 11:25:41 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: gentnert Date: 27-Nov-2017 11:25:41

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.171	1.171	0.000	1034367	0.5000	0.5000	
2	1.447	1.447	0.000	1044287	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.718	1.717	0.001	39036	0.0200	0.0188	
2	2.004	2.005	-0.001	34570	0.0200	0.0185	
						RPD = 1.42	
9 PCB-1016							M
1	1.911	1.909	0.002	23701	0.5000	0.4213	M
1	2.269	2.267	0.002	29779	0.5000	0.4971	M
1	2.437	2.436	0.001	90055	0.5000	0.4407	M
1	2.506	2.504	0.002	43377	0.5000	0.5456	M
1	2.555	2.554	0.001	24690	0.5000	0.5020	M
		Average of Peak Amounts =				0.4813	
2	2.391	2.390	0.001	39740	0.5000	0.9368	
2	2.700	2.699	0.001	47487	0.5000	0.5400	
2	2.905	2.905	0.000	32851	0.5000	0.6058	
2	3.003	3.001	0.002	105585	0.5000	0.6273	
2	3.118	3.116	0.002	41297	0.5000	0.5903	
		Average of Peak Amounts =				0.6601	
						RPD = 31.32	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	3.903	3.904	-0.001	53061	0.5000	0.4447	M
1	4.113	4.115	-0.002	83483	0.5000	0.5218	M
1	4.238	4.239	-0.001	32940	0.5000	0.3640	
1	4.416	4.419	-0.003	27567	0.5000	0.3676	
1	4.844	4.846	-0.002	36078	0.5000	0.3485	
		Average of Peak Amounts =				0.4093	
2	4.849	4.850	-0.001	59493	0.5000	0.5433	
2	5.164	5.165	-0.001	34898	0.5000	0.3794	
2	5.232	5.233	-0.001	33485	0.5000	0.4885	
2	5.299	5.300	-0.001	81890	0.5000	0.3361	
2	5.638	5.640	-0.002	52496	0.5000	0.3292	
		Average of Peak Amounts =				0.4153	
						RPD = 1.45	
2 1260 Res 1							
1	4.844	4.846	-0.002	36078		NC	
2	5.164	5.165	-0.001	34898		NC	
4 1260 Res 2							
1	4.901	4.904	-0.003	14531		NC	
2	5.232	5.233	-0.001	33485		NC	
3 1260 Res 3							
1	4.943	4.945	-0.002	22630		NC	
2	5.299	5.300	-0.001	81890		NC	
$ 15 DCB Decachlorobiphenyl							
1	5.823	5.827	-0.004	32375	0.0200	0.0119	
2	6.765	6.768	-0.003	32920	0.0200	0.0117	
						RPD = 1.92	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

COPPER_00070	Amount Added: 1.00	Units: g	Run Reagent
PCB IS 1B2NB_00037	Amount Added: 10.00	Units: uL	Run Reagent

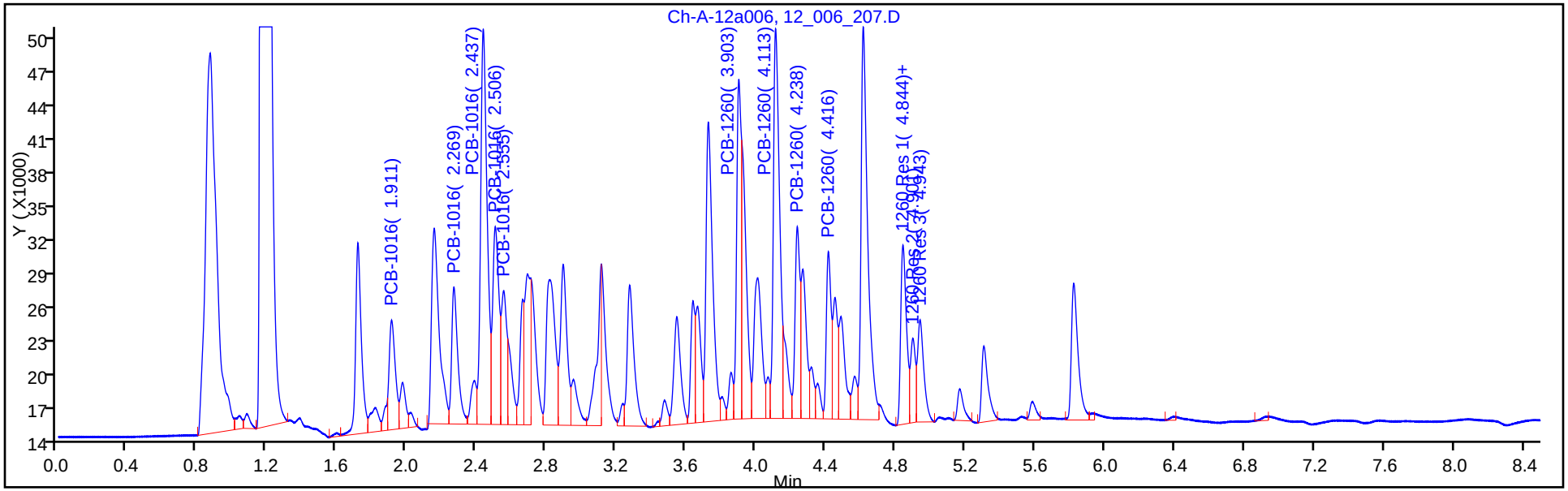
Report Date: 27-Nov-2017 11:25:42 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

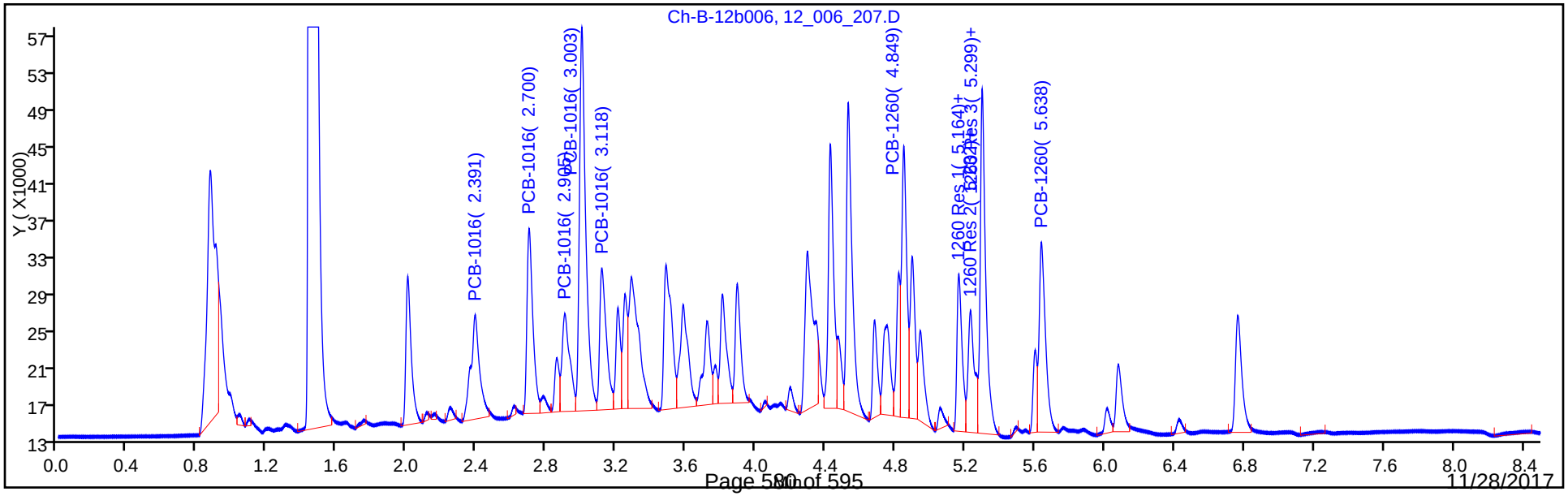
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_207.D

Injection Date:	24-Nov-2017 13:21:28	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-127885-B-3-B MSD			Worklist Smp#:	13
Client ID:	MW-5R				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



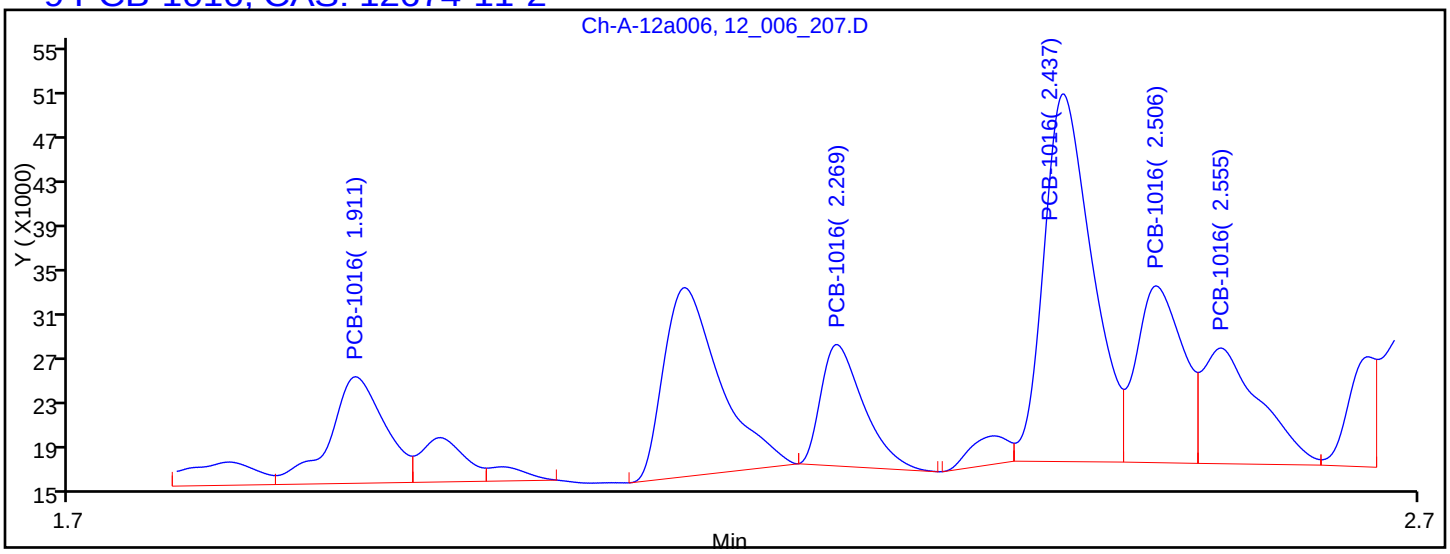
Report Date: 27-Nov-2017 11:25:42 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_207.D

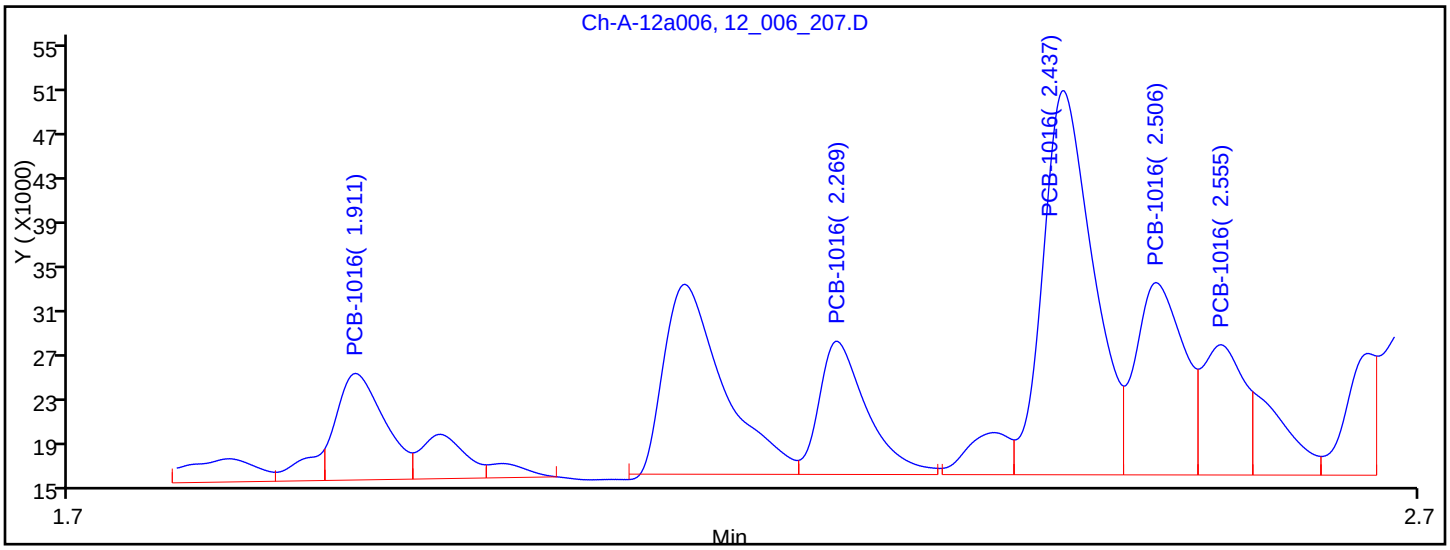
Injection Date:	24-Nov-2017 13:21:28	Instrument ID:	HP5890-12		
Lims ID:	480-127885-B-3-B MSD				
Client ID:	MW-5R				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:	ZB-5 (0.53 mm)	Detector	Ch-A-7A136		

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

1.911	Response = 27431
2.269	Response = 24209
2.437	Response = 82827
2.506	Response = 38752
2.555	Response = 30945



Manual Integration Results

1.911	Response = 23701	M
2.269	Response = 29779	M
2.437	Response = 90055	M
2.506	Response = 43377	M
2.555	Response = 24690	M

Reviewer: gentnert, 27-Nov-2017 11:24:59

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

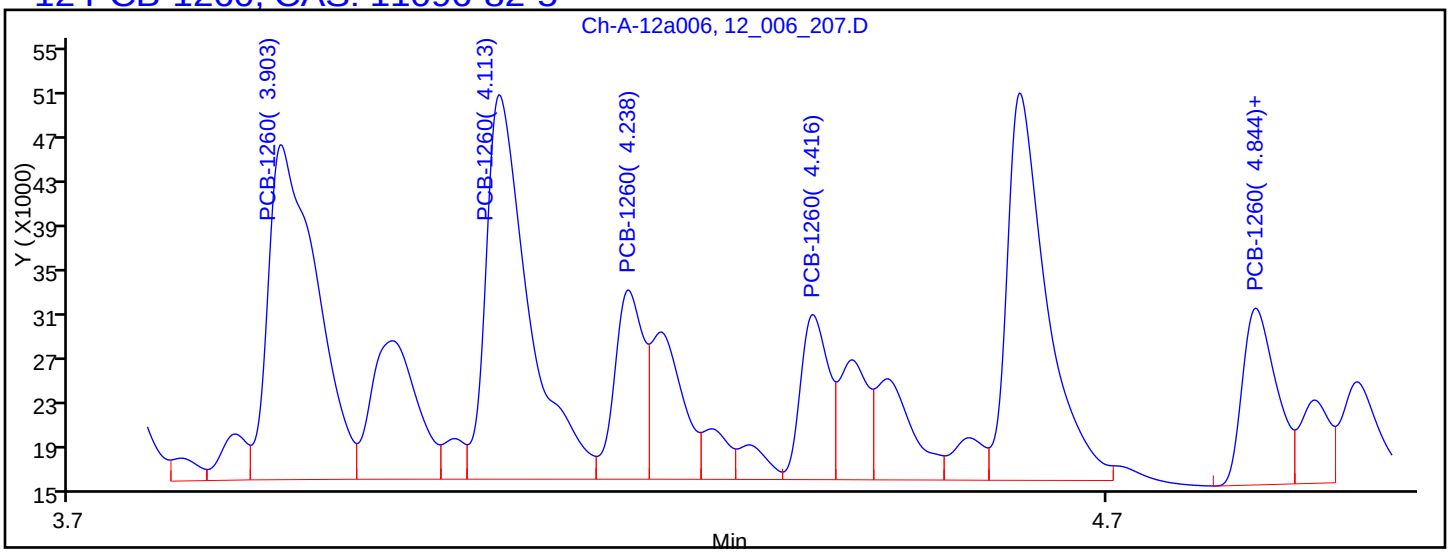
Report Date: 27-Nov-2017 11:25:42 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_207.D

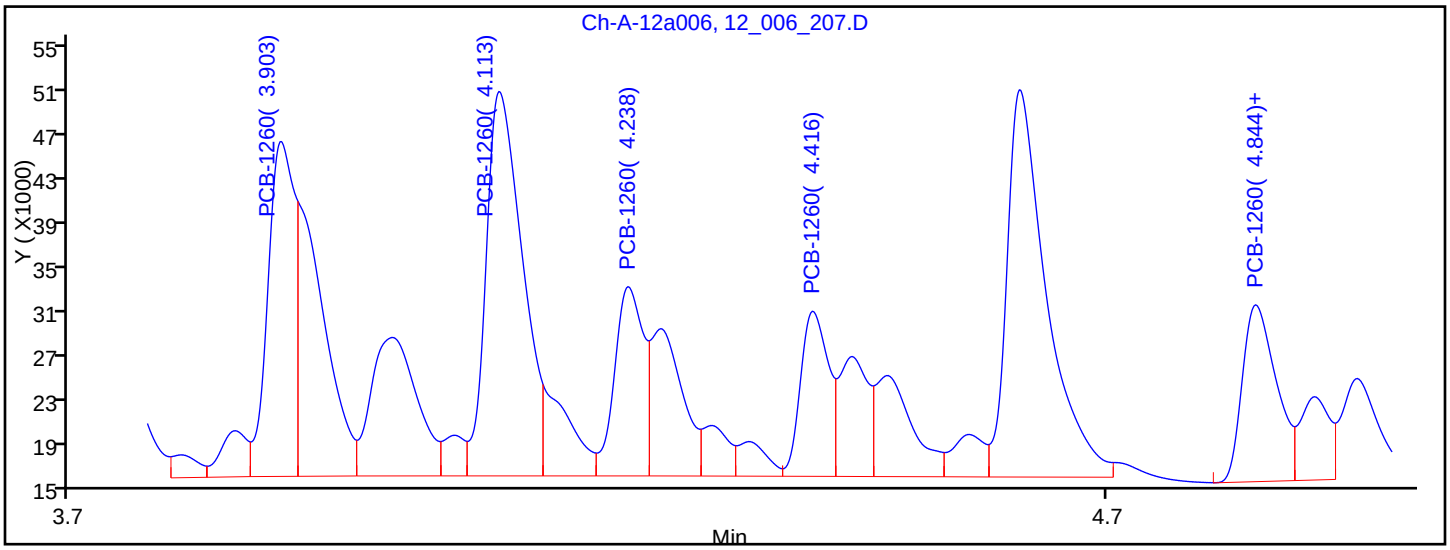
Injection Date:	24-Nov-2017 13:21:28	Instrument ID:	HP5890-12		
Lims ID:	480-127885-B-3-B MSD				
Client ID:	MW-5R				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		
Column:	ZB-5 (0.53 mm)	Detector	Ch-A-7A136		

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

3.903	Response = 97432
4.113	Response = 98336
4.238	Response = 32940
4.416	Response = 27567
4.844	Response = 36078



Manual Integration Results

3.903	Response = 53061	M
4.113	Response = 83483	M
4.238	Response = 32940	
4.416	Response = 27567	
4.844	Response = 36078	

Reviewer: gentnert, 27-Nov-2017 11:25:04

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-127885-1

SDG No.:

Client Sample ID: MW-5R MSD | Lab Sample ID: 480-127885-3 MSD

Matrix: Water | Lab File ID: 12_006_207.D

Analysis Method: 8082A | Date Collected: 11/20/2017 14:00

Extraction Method: 3510C | Date Extracted: 11/22/2017 07:54

Sample wt/vol: 250(mL) | Date Analyzed: 11/24/2017 13:21

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 389001 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	58		19-120
877-09-8	Tetrachloro-m-xylene	92		39-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_207.D
Lims ID: 480-127885-B-3-B MSD
Client ID: MW-5R
Sample Type: MSD
Inject. Date: 24-Nov-2017 13:21:28 ALS Bottle#: 0 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP5890-12

Method: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\5890-12 PCB IS.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 27-Nov-2017 11:25:41 Calib Date: 13-May-2017 13:35:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5890-12\20170513-62487.b\12_390m_257.D

Column 1 : ZB-5 (0.53 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK013

First Level Reviewer: gentnert Date: 27-Nov-2017 11:25:41

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							
1	1.171	1.171	0.000	1034367	0.5000	0.5000	
2	1.447	1.447	0.000	1044287	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.718	1.717	0.001	39036	0.0200	0.0188	
2	2.004	2.005	-0.001	34570	0.0200	0.0185	
						RPD = 1.42	
9 PCB-1016							M
1	1.911	1.909	0.002	23701	0.5000	0.4213	M
1	2.269	2.267	0.002	29779	0.5000	0.4971	M
1	2.437	2.436	0.001	90055	0.5000	0.4407	M
1	2.506	2.504	0.002	43377	0.5000	0.5456	M
1	2.555	2.554	0.001	24690	0.5000	0.5020	M
		Average of Peak Amounts =				0.4813	
2	2.391	2.390	0.001	39740	0.5000	0.9368	
2	2.700	2.699	0.001	47487	0.5000	0.5400	
2	2.905	2.905	0.000	32851	0.5000	0.6058	
2	3.003	3.001	0.002	105585	0.5000	0.6273	
2	3.118	3.116	0.002	41297	0.5000	0.5903	
		Average of Peak Amounts =				0.6601	
						RPD = 31.32	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	3.903	3.904	-0.001	53061	0.5000	0.4447	M
1	4.113	4.115	-0.002	83483	0.5000	0.5218	M
1	4.238	4.239	-0.001	32940	0.5000	0.3640	
1	4.416	4.419	-0.003	27567	0.5000	0.3676	
1	4.844	4.846	-0.002	36078	0.5000	0.3485	
		Average of Peak Amounts =				0.4093	
2	4.849	4.850	-0.001	59493	0.5000	0.5433	
2	5.164	5.165	-0.001	34898	0.5000	0.3794	
2	5.232	5.233	-0.001	33485	0.5000	0.4885	
2	5.299	5.300	-0.001	81890	0.5000	0.3361	
2	5.638	5.640	-0.002	52496	0.5000	0.3292	
		Average of Peak Amounts =				0.4153	
						RPD = 1.45	
2 1260 Res 1							
1	4.844	4.846	-0.002	36078		NC	
2	5.164	5.165	-0.001	34898		NC	
4 1260 Res 2							
1	4.901	4.904	-0.003	14531		NC	
2	5.232	5.233	-0.001	33485		NC	
3 1260 Res 3							
1	4.943	4.945	-0.002	22630		NC	
2	5.299	5.300	-0.001	81890		NC	
$ 15 DCB Decachlorobiphenyl							
1	5.823	5.827	-0.004	32375	0.0200	0.0119	
2	6.765	6.768	-0.003	32920	0.0200	0.0117	
						RPD = 1.92	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

COPPER_00070	Amount Added: 1.00	Units: g	Run Reagent
PCB IS 1B2NB_00037	Amount Added: 10.00	Units: uL	Run Reagent

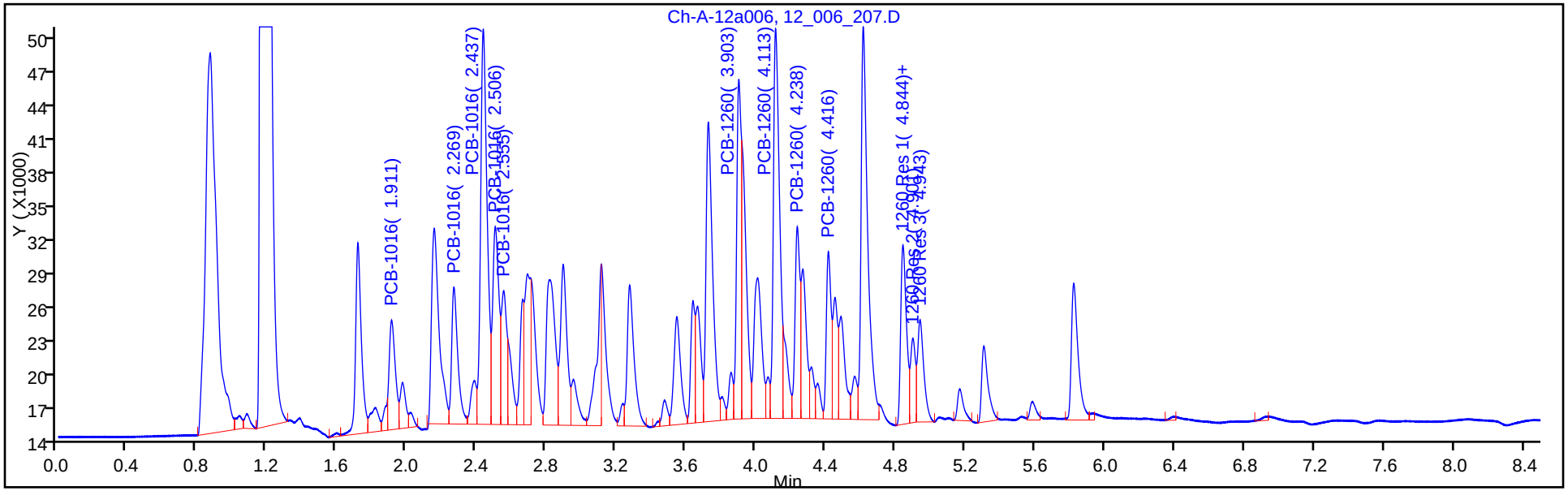
Report Date: 27-Nov-2017 11:25:43 Chrom Revision: 2.2 13-Nov-2017 17:19:06

TestAmerica Buffalo

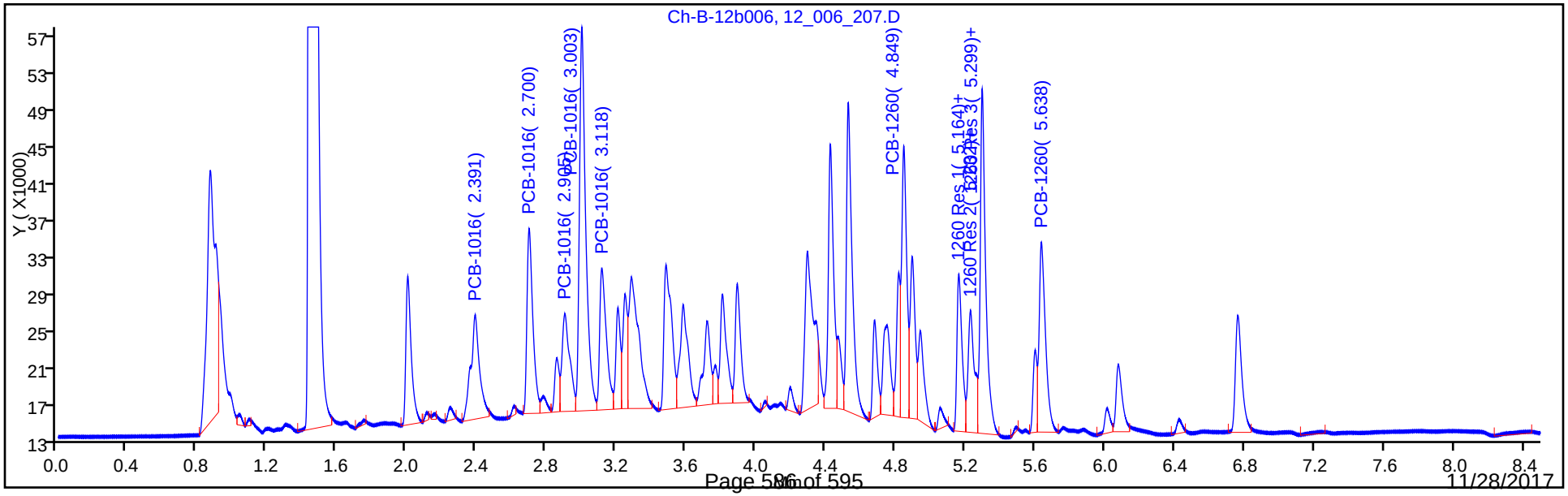
Data File: \\ChromNA\Buffalo\ChromData\HP5890-12\20171124-67514.b\12_006_207.D

Injection Date:	24-Nov-2017 13:21:28	Instrument ID:	HP5890-12	Operator ID:	BufTCHROM
Lims ID:	480-127885-B-3-B MSD			Worklist Smp#:	13
Client ID:	MW-5R				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	5890-12 PCB IS	Limit Group:	GC - 8082A PCB IS ICAL		

Column: ZB-5 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Column: ZB-35 (0.53 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Instrument ID: HP5890-12 Start Date: 05/11/2017 15:46

Analysis Batch Number: 356902 End Date: 05/11/2017 21:39

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 480-356902/17		05/11/2017 15:46	1	12_390m_214.D	ZB-5 0.53(mm)
IC 480-356902/17		05/11/2017 15:46	1	12_390m_214.D	ZB-35 0.53(mm)
IC 480-356902/18		05/11/2017 16:01	1	12_390m_215.D	ZB-5 0.53(mm)
IC 480-356902/18		05/11/2017 16:01	1	12_390m_215.D	ZB-35 0.53(mm)
ICIS 480-356902/19		05/11/2017 16:17	1	12_390m_216.D	ZB-5 0.53(mm)
ICIS 480-356902/19		05/11/2017 16:17	1	12_390m_216.D	ZB-35 0.53(mm)
IC 480-356902/20		05/11/2017 16:32	1	12_390m_217.D	ZB-5 0.53(mm)
IC 480-356902/20		05/11/2017 16:32	1	12_390m_217.D	ZB-35 0.53(mm)
IC 480-356902/21		05/11/2017 17:07	1	12_390m_218.D	ZB-5 0.53(mm)
IC 480-356902/21		05/11/2017 17:07	1	12_390m_218.D	ZB-35 0.53(mm)
IC 480-356902/22		05/11/2017 17:22	1	12_390m_219.D	ZB-5 0.53(mm)
IC 480-356902/22		05/11/2017 17:22	1	12_390m_219.D	ZB-35 0.53(mm)
IC 480-356902/23		05/11/2017 18:19	1	12_390m_220.D	ZB-5 0.53(mm)
IC 480-356902/23		05/11/2017 18:19	1	12_390m_220.D	ZB-35 0.53(mm)
ICV 480-356902/24		05/11/2017 18:35	1		ZB-5 0.53(mm)
ICV 480-356902/24		05/11/2017 18:35	1		ZB-35 0.53(mm)
CCV 480-356902/25		05/11/2017 18:50	1		ZB-5 0.53(mm)
CCV 480-356902/25		05/11/2017 18:50	1		ZB-35 0.53(mm)
ZZZZZ		05/11/2017 19:21	1		ZB-5 0.53(mm)
ZZZZZ		05/11/2017 19:21	1		ZB-35 0.53(mm)
CCVL 480-356902/28		05/11/2017 19:36	0.02		ZB-5 0.53(mm)
CCVL 480-356902/28		05/11/2017 19:36	0.02		ZB-35 0.53(mm)
IC 480-356902/29		05/11/2017 19:52	1	12_390m_226.D	ZB-5 0.53(mm)
IC 480-356902/29		05/11/2017 19:52	1	12_390m_226.D	ZB-35 0.53(mm)
IC 480-356902/30		05/11/2017 20:07	1	12_390m_227.D	ZB-5 0.53(mm)
IC 480-356902/30		05/11/2017 20:07	1	12_390m_227.D	ZB-35 0.53(mm)
IC 480-356902/31		05/11/2017 20:22	1	12_390m_228.D	ZB-5 0.53(mm)
IC 480-356902/31		05/11/2017 20:22	1	12_390m_228.D	ZB-35 0.53(mm)
ICV 480-356902/32		05/11/2017 20:38	1		ZB-5 0.53(mm)
ICV 480-356902/32		05/11/2017 20:38	1		ZB-35 0.53(mm)
IC 480-356902/33		05/11/2017 20:53	1	12_390m_230.D	ZB-5 0.53(mm)
IC 480-356902/33		05/11/2017 20:53	1	12_390m_230.D	ZB-35 0.53(mm)
IC 480-356902/34		05/11/2017 21:08	1	12_390m_231.D	ZB-5 0.53(mm)
IC 480-356902/34		05/11/2017 21:08	1	12_390m_231.D	ZB-35 0.53(mm)
IC 480-356902/35		05/11/2017 21:24	1	12_390m_232.D	ZB-5 0.53(mm)
IC 480-356902/35		05/11/2017 21:24	1	12_390m_232.D	ZB-35 0.53(mm)
ICV 480-356902/36		05/11/2017 21:39	1		ZB-5 0.53(mm)
ICV 480-356902/36		05/11/2017 21:39	1		ZB-35 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Instrument ID: HP5890-12 Start Date: 05/13/2017 11:27

Analysis Batch Number: 357246 End Date: 05/13/2017 13:50

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 480-357246/4		05/13/2017 11:27	1	12_390m_251.D	ZB-5 0.53(mm)
IC 480-357246/4		05/13/2017 11:27	1	12_390m_251.D	ZB-35 0.53(mm)
IC 480-357246/5		05/13/2017 11:42	1	12_390m_252.D	ZB-5 0.53(mm)
IC 480-357246/5		05/13/2017 11:42	1	12_390m_252.D	ZB-35 0.53(mm)
IC 480-357246/6		05/13/2017 12:34	1	12_390m_253.D	ZB-5 0.53(mm)
IC 480-357246/6		05/13/2017 12:34	1	12_390m_253.D	ZB-35 0.53(mm)
ICV 480-357246/7		05/13/2017 12:49	1		ZB-5 0.53(mm)
ICV 480-357246/7		05/13/2017 12:49	1		ZB-35 0.53(mm)
IC 480-357246/8		05/13/2017 13:04	1	12_390m_255.D	ZB-5 0.53(mm)
IC 480-357246/8		05/13/2017 13:04	1	12_390m_255.D	ZB-35 0.53(mm)
IC 480-357246/9		05/13/2017 13:20	1	12_390m_256.D	ZB-5 0.53(mm)
IC 480-357246/9		05/13/2017 13:20	1	12_390m_256.D	ZB-35 0.53(mm)
IC 480-357246/10		05/13/2017 13:35	1	12_390m_257.D	ZB-5 0.53(mm)
IC 480-357246/10		05/13/2017 13:35	1	12_390m_257.D	ZB-35 0.53(mm)
ICV 480-357246/11		05/13/2017 13:50	1		ZB-5 0.53(mm)
ICV 480-357246/11		05/13/2017 13:50	1		ZB-35 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Instrument ID: HP5890-12 Start Date: 11/24/2017 11:03

Analysis Batch Number: 389001 End Date: 11/24/2017 17:29

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVIS 480-389001/4		11/24/2017 11:03	1	12_006_198.D	ZB-5 0.53(mm)
CCVIS 480-389001/4		11/24/2017 11:03	1	12_006_198.D	ZB-35 0.53(mm)
CCV 480-389001/5		11/24/2017 11:18	1	12_006_199.D	ZB-5 0.53(mm)
CCV 480-389001/5		11/24/2017 11:18	1	12_006_199.D	ZB-35 0.53(mm)
CCV 480-389001/6		11/24/2017 11:34	1	12_006_200.D	ZB-5 0.53(mm)
CCV 480-389001/6		11/24/2017 11:34	1	12_006_200.D	ZB-35 0.53(mm)
CCV 480-389001/7		11/24/2017 11:49	1	12_006_201.D	ZB-5 0.53(mm)
CCV 480-389001/7		11/24/2017 11:49	1	12_006_201.D	ZB-35 0.53(mm)
CCV 480-389001/8		11/24/2017 12:04	1	12_006_202.D	ZB-5 0.53(mm)
CCV 480-389001/8		11/24/2017 12:04	1	12_006_202.D	ZB-35 0.53(mm)
MB 480-388735/1-A		11/24/2017 12:35	1	12_006_204.D	ZB-5 0.53(mm)
MB 480-388735/1-A		11/24/2017 12:35	1	12_006_204.D	ZB-35 0.53(mm)
LCS 480-388735/2-A		11/24/2017 12:50	1	12_006_205.D	ZB-5 0.53(mm)
LCS 480-388735/2-A		11/24/2017 12:50	1	12_006_205.D	ZB-35 0.53(mm)
480-127885-3 MS		11/24/2017 13:06	1	12_006_206.D	ZB-5 0.53(mm)
480-127885-3 MS		11/24/2017 13:06	1	12_006_206.D	ZB-35 0.53(mm)
480-127885-3 MSD		11/24/2017 13:21	1	12_006_207.D	ZB-5 0.53(mm)
480-127885-3 MSD		11/24/2017 13:21	1	12_006_207.D	ZB-35 0.53(mm)
480-127885-3		11/24/2017 13:36	1	12_006_208.D	ZB-5 0.53(mm)
480-127885-3		11/24/2017 13:36	1	12_006_208.D	ZB-35 0.53(mm)
ZZZZZ		11/24/2017 13:52	1		ZB-5 0.53(mm)
ZZZZZ		11/24/2017 13:52	1		ZB-35 0.53(mm)
ZZZZZ		11/24/2017 14:07	1		ZB-5 0.53(mm)
ZZZZZ		11/24/2017 14:07	1		ZB-35 0.53(mm)
ZZZZZ		11/24/2017 14:22	1		ZB-5 0.53(mm)
ZZZZZ		11/24/2017 14:22	1		ZB-35 0.53(mm)
480-127885-1		11/24/2017 14:38	1	12_006_212.D	ZB-5 0.53(mm)
480-127885-1		11/24/2017 14:38	1	12_006_212.D	ZB-35 0.53(mm)
480-127885-2		11/24/2017 15:10	1	12_006_214.D	ZB-5 0.53(mm)
480-127885-2		11/24/2017 15:10	1	12_006_214.D	ZB-35 0.53(mm)
480-127885-4		11/24/2017 15:26	1	12_006_215.D	ZB-5 0.53(mm)
480-127885-4		11/24/2017 15:26	1	12_006_215.D	ZB-35 0.53(mm)
480-127885-5		11/24/2017 15:41	1	12_006_216.D	ZB-5 0.53(mm)
480-127885-5		11/24/2017 15:41	1	12_006_216.D	ZB-35 0.53(mm)
480-127885-6		11/24/2017 15:56	1	12_006_217.D	ZB-5 0.53(mm)
480-127885-6		11/24/2017 15:56	1	12_006_217.D	ZB-35 0.53(mm)
480-127885-7		11/24/2017 16:12	1	12_006_218.D	ZB-5 0.53(mm)
480-127885-7		11/24/2017 16:12	1	12_006_218.D	ZB-35 0.53(mm)
480-127885-8		11/24/2017 16:27	1	12_006_219.D	ZB-5 0.53(mm)
480-127885-8		11/24/2017 16:27	1	12_006_219.D	ZB-35 0.53(mm)
ZZZZZ		11/24/2017 16:42	1		ZB-5 0.53(mm)
ZZZZZ		11/24/2017 16:42	1		ZB-35 0.53(mm)
ZZZZZ		11/24/2017 16:58	1		ZB-5 0.53(mm)
ZZZZZ		11/24/2017 16:58	1		ZB-35 0.53(mm)
ZZZZZ		11/24/2017 17:13	1		ZB-5 0.53(mm)

8082A

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Instrument ID: HP5890-12 Start Date: 11/24/2017 11:03

Analysis Batch Number: 389001 End Date: 11/24/2017 17:29

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		11/24/2017 17:13	1		ZB-35 0.53(mm)
ZZZZZ		11/24/2017 17:29	1		ZB-5 0.53(mm)
ZZZZZ		11/24/2017 17:29	1		ZB-35 0.53(mm)

8082A

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Batch Number: 388735 Batch Start Date: 11/22/17 07:54 Batch Analyst: Pollock, Jacob M

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FinalAmount	O_608PCBSpike 00014	O_PCBLLsurr 00045	
MB 480-388735/1		3510C, 8082A		7 SU	250 mL	2 mL		1 mL	
LCS 480-388735/2		3510C, 8082A		7 SU	250 mL	2 mL	1 mL	1 mL	
480-127885-B-3 MS	MW-5R	3510C, 8082A	T	7 SU	250 mL	2 mL	1 mL	1 mL	
480-127885-B-3 MSD	MW-5R	3510C, 8082A	T	7 SU	250 mL	2 mL	1 mL	1 mL	
480-127885-B-3	MW-5R	3510C, 8082A	T	7 SU	250 mL	2 mL		1 mL	
480-127885-A-1	MW-2R	3510C, 8082A	T	7 SU	250 mL	2 mL		1 mL	
480-127885-B-2	MW-4	3510C, 8082A	T	7 SU	250 mL	2 mL		1 mL	
480-127885-B-4	MW-6	3510C, 8082A	T	7 SU	250 mL	2 mL		1 mL	
480-127885-B-5	MW-7	3510C, 8082A	T	7 SU	250 mL	2 mL		1 mL	
480-127885-A-6	MW-8	3510C, 8082A	T	7 SU	250 mL	2 mL		1 mL	
480-127885-A-7	DUP-112017	3510C, 8082A	T	7 SU	250 mL	2 mL		1 mL	
480-127885-B-8	FB-112117	3510C, 8082A	T	7 SU	250 mL	2 mL		1 mL	

Batch Notes	
Acid used for Clean Up ID	Sulfuric: 4312210
Batch Comment	Sulfuric Acid Clean Up: JP 11/22/17
Analyst ID - Concentration	JP, SP
Exchange Solvent ID	4378270
Exchange Solvent Name	Hexane
Na2SO4 ID	4334262
Prep Solvent ID	4380140
Prep Solvent Name	MeCl2
Prep Solvent Volume Used	60 mL
Person's name who did the prep	JP
Analyst ID - Reagent Drop Witness	JP
Sufficient volume for MS/MSD?	Yes

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.

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-127885-1

SDG No.:

Batch Number: 388735 Batch Start Date: 11/22/17 07:54 Batch Analyst: Pollock, Jacob M

Batch Method: 3510C 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.

Shipping and Receiving Documents

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228
Phone: 716.691.2600 Fax: 716.691.7991

Chain of Custody Record 242628

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Dan Zuck	Site Contact: Ryan Clare	Date: 11-21-17	COC No:
Company Name: Arcadis	Tel/Fax: 315-671-9152	Lab Contact: M. Deyo	Carrier: —	1 of 1 COCs
Address: One Lincoln center 110 West	Analysis Turnaround Time			Sampler:
City/State/Zip: Fayette St., ste. 300 Syracuse, NY 13202	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone:	TAT if different from Below Standard			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: GE Tonawanda Groundwater Analysis	☐ 1 week			
Site:	☐ 2 days			Job / SDG No.:
PO# AP013103.4000	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	8082A - PCB's	8260C-TCL VOC's	Sample Specific Notes:
MW-2R	11/20/17	1055	G	GW	5	N	N	X	X	
MW-4	11/21/17	0920	G	GW	5	N	N	X	X	
MW-5R	11/20/17	1400	G	GW	5	N	Y	X	X	
MW-6	11/21/17	1105	G	GW	5	N	N	X	X	
MW-7	11/20/17	1150	G	GW	5	N	N	X	X	
MW-8	11/20/17	1615	G	GW	5	N	N	X	X	
MW-5R (MS/MSD)	11/20/17	1400	G	GW	10	N	N	X	X	
DUP-112017	11/20/17	—	G	GW	5	N	N	X	X	
FB-112117	11/21/17	1130	G		5	N	N	X	X	
TRIP BLANK	11/21/17	—	—		2	N	N		X	

480-127885 COC

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

	1	2

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

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 & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Ryan Clare	Arcadis	11/21/17 1220	[signature]	TA Buf.	11/21/17 1210
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

2.1, 2.4 #1

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-127885-1

Login Number: 127885
List Number: 1
Creator: Harper, Marcus D

List Source: 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	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Arcadis of New York, Inc.

855 Route 146

Suite 210

Clifton Park, New York 12065

Tel 518 250 7300

Fax 518 250 7301

www.arcadis.com