New York State Department of Environmental Conservation

Excavation Summary Report

Tonawanda Forge Site

2390 Kenmore Avenue, Tonawanda, New York 14150

NYSDEC Site No. 915274

April 12, 2019

Excavation Summary Report

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2390 Kenmore Avenue
Tonawanda, NY 14150
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Prepared for:
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Albany, NY 12233

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GES Project:
0901758

Date:
April 12, 2019

Digitally signed by Jennifer Clay
Date: 2019.04.12 11:29:52 -04'00'

Jennifer Clay
Staff Geologist

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Date: 2019.04.12 11:24:09 -04'00'

Eric D. Popken, PG
Senior Project Manager

Table of Contents

1 Introduction 1
2 Site Description 1
3 Remedial Excavation Activities 2
3.1 Excavation Activities 2
3.2 Post-Excavation Soil Analytical Results 3

Figures

Figure 1 – Site Location Map
Figure 2 – Site Map
Figure 3 – Excavation Map
Figure 4 – Soil Analytical Data Map

Tables

Table 1 – Soil Analytical Data Table

Appendices

Appendix A –Remedial Excavation Photo Log
Appendix B – Laboratory Analytical Reports

Acronyms

AOC	Area of concern
BEC	Buckeye Elm Contracting
Bgs	Below ground surface
CSX	CSX Corp
GES	Groundwater & Environmental Services, Inc.
GPR	Ground penetrating radar
LNAPL	light non-aqueous phase liquid
6 NYCRR Part 375	Title 6 of the Official Compilation of New York Codes, Rules and Regulations Part 375
NYSDEC	New York State Department of Environmental Conservation
NYSDOT	New York State Department of Transportation
PCBs	Polychlorinated biphenyls
PID	Photoionization Detector
PPE	Personal protective equipment
ppmv	Parts per million by volume
SCOs	Soil Cleanup Objectives
Site	Tonawanda Forge site
SVOCs	Semi-volatile Organic Compounds
TCL	Target compound list
URS	URS Corp
USEPA	United States Environmental Protection Agency
Vault	Underground tank/vault
µg/kg	micrograms per kilogram

1 Introduction

On behalf of New York State Department of Environmental Conservation (NYSDEC), Groundwater & Environmental Services, Inc. (GES) has prepared this *Excavation Summary Report* for the Tonawanda Forge site (Site) located at 2390 Kenmore Avenue in Tonawanda, New York. This report summarizes the excavation of soil and the investigation into the source of light non-aqueous phase liquid (LNAPL) in monitoring well AOC-14-MW-21I. The excavation was completed by Buckeye-Elm Contracting, LLC (BEC) of Worthington, Ohio, under the direction of GES and URS Corp. (URS), and in general accordance with the call-out issued by NYSDEC dated September 3, 2018.

2 Remedial Excavation Purpose

The purpose of this remedial excavation was to perform additional interim remedial measures to remove the source of the LNAPL that appeared in monitoring well AOC-14-MW-21I on behalf of NYSDEC.

Based on the information provided by a geophysical survey, an underground pipe and an underground tank/vault (vault) was believed to be the source of LNAPL detected in monitoring well AOC-14-MW-21I. The ground penetrating radar (GPR) survey identified a line adjacent to AOC-14-MW-21I that appeared to extend approximately 260 feet southeast ending at a vault in AOC-02, approximately 100 feet west of the Administration Building. The line first appeared in the 3 to 3.3 feet below ground surface (bgs) scan in AOC-14. The backfilled vault first appeared in the 1.9 to 2.3 bgs scan.

A trench was to be excavated to expose the suspected pipe extending from monitoring well AOC-14-MW-21I to the suspected vault. The Contractor was to remove the contents of the suspected underground piping and vault followed by removal of the piping and vault.

Structures associated with the piping and vault (slabs, anchors, etc.) were also to be removed. LNAPL and visually stained contaminated soil encountered in the excavation were to be removed to the greatest extent practicable.

3 Site Description

The Site is located at 2390 Kenmore Avenue, Kenmore, New York in the town of Tonawanda, Erie County, New York. The property is in an industrial area in the Town of Tonawanda, New York. Historical use of the property includes the manufacturing of steel parts for the automobile industry. The property is currently inactive and had undergone demolition activities from 2009 to 2013. A site location map is provided on **Figure 1** and a general site map is included on **Figure 2**.

The area where excavation activities took place was in area of concern (AOC) 14 around monitoring well AOC-14-MW-21I shown on **Figure 3**.

Surrounding property uses relative to the subject site are as follows:

- Northeast: Kenmore Avenue followed by CSX Corp. (CSX) property with rail lines.
- Southwest: General Motors Powertrain Plant.
- Southeast: General Motors Powertrain Plant, Jackson Welding & Gas Products, a lot used for storing semi-trailers and Insurance Auto Auctions Vehicle Purchasing.
- Northwest: General Motors Powertrain Plant.

4 Remedial Excavation Activities

4.1 Excavation Activities

From November 12 through 15, 2018, GES oversaw the excavation of petroleum impacted soil on behalf of NYSDEC under the guidance and oversight of URS. The extent of the remedial excavation was located around the monitoring well, AOC-14-MW-21I, where the LNAPL has been observed, the area of excavation is shown on **Figure 3**. During excavation activities, all excavated soil was staged on polyethylene sheeting for use as backfill material.

During excavation activities, soil samples were collected from the excavation bottom and sidewalls and screened for organic vapors using a photoionization detector (PID), calibrated daily with 100 parts per million by volume (ppmv) isobutylene standard calibration gas. The depths and extent of the excavation were based on the guidance of URS. The excavation was completed to a depth around the monitoring well until it was determined that further excavation would compromise the stability of the well. A photo log of excavation activities and a map of approximate size and location of the excavation are included in **Appendix A** and on **Figure 3**.

Void space water or surface run-off was encountered at approximately 5 to 6 feet bgs. The water flowed in from pea gravel voids under vaults or from next to a footing in the excavation. Initially the water did not appear to have signs of impacts but once the water settled there was a thin layer of LNAPL observed on the surface. The LNAPL was extracted using sorbent pads and all materials (poly sheeting, sorbent pads and impacted personal protective equipment [PPE]) were placed in a New York State Department of Transportation (NYSDOT) approved 55-gallon drum. The drum was placed inside a building on the southeast side of the site for future disposal.

Limits of the soil excavation, excavation depth and post-excavation soil sample locations are provided on **Figure 3** and **Figure 4**. The widest extents of the remedial excavation were approximately 50 feet from east to west, and approximately 31 feet from north to south. The total approximate area of the excavation was 610 feet squared.

Additional excavation activity may have compromised the existing monitoring wells and as no discrete source of LNAPL was found, it was determined that AOC-14-MW-21I would not be removed to allow for future LNAPL extraction. Upon reaching the allowable lateral and vertical extents of the excavation as per URS guidance to prevent potential damage to the existing monitoring wells, the excavation was backfilled. Backfill was completed with soil cuttings.

Backfill was placed roughly at the same depths it was removed from, specifically native sediment to the deepest areas and fill near the surface.

4.2 Post-Excavation Soil Analytical Results

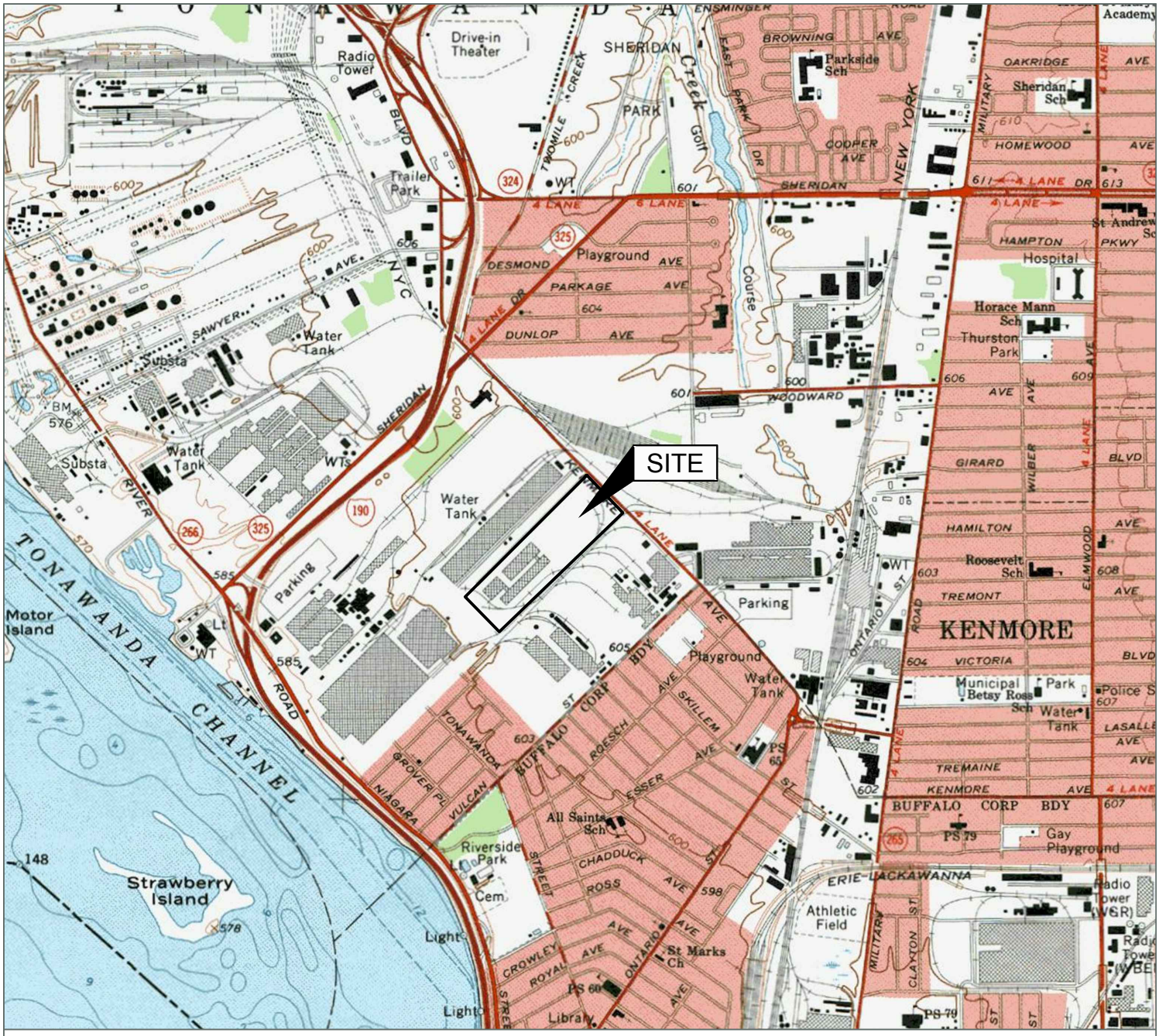
Post-excavation soil samples were collected from the sidewalls and bottom of the excavation area. The samples were submitted for analyses of the Target Compound List (TCL) semi-volatile organic compounds (SVOCs) via United States Environmental Protection Agency (USEPA) Method 8270D and polychlorinated biphenyls (PCBs) via USEPA Method 8082A.

In the sidewall samples, SW-01, SW-02, SW-03, SW-04, SW-05 and SW-06, soil concentrations did not exceed Title 6 of the Official Compilation of New York Codes, Rules and Regulations Part 375 (6 NYCRR Part 375) Soil Cleanup Objectives (SCOs) Table 6.8(a) for Unrestricted Use for SVOCs. PCBs was detected in one (1) sample SW-06 at a concentrations of 110 micrograms per kilogram (µg/kg), this value exceeds SCO for Unrestricted Use; however, the concentration is below the SCO Table 6.8(b) for Restricted Residential Use. No other sample in the sidewall exceeded SCOs for Unrestricted Use in SVOCs or PCBs.

In the bottom of excavation samples, B-1 and B-2, soil concentrations did not exceed 6 NYCRR Part 375 SCOs Table 6.8(a) for Unrestricted Use for SVOCs or PCBs.

Laboratory analytical results are summarized in **Table 1**, sample locations with a summary of analytical data are shown on **Figure 4**, and analytical laboratory reports are included as **Appendix B**.

Figures



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Topographic Quadrangle, 1965
Buffalo NW, New York
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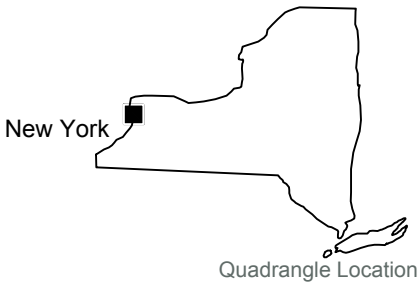

Site Location Map

NYSDEC
Tonawanda Forge
2390 Kenmore Avenue
Tonawanda, New York

Drawn
W.G.S.
Designed
J.K.C.
Approved
E.P.

Date
2/12/19
Figure
1

N

Scale In Feet
0 2000

GES
Groundwater & Environmental Services, Inc.

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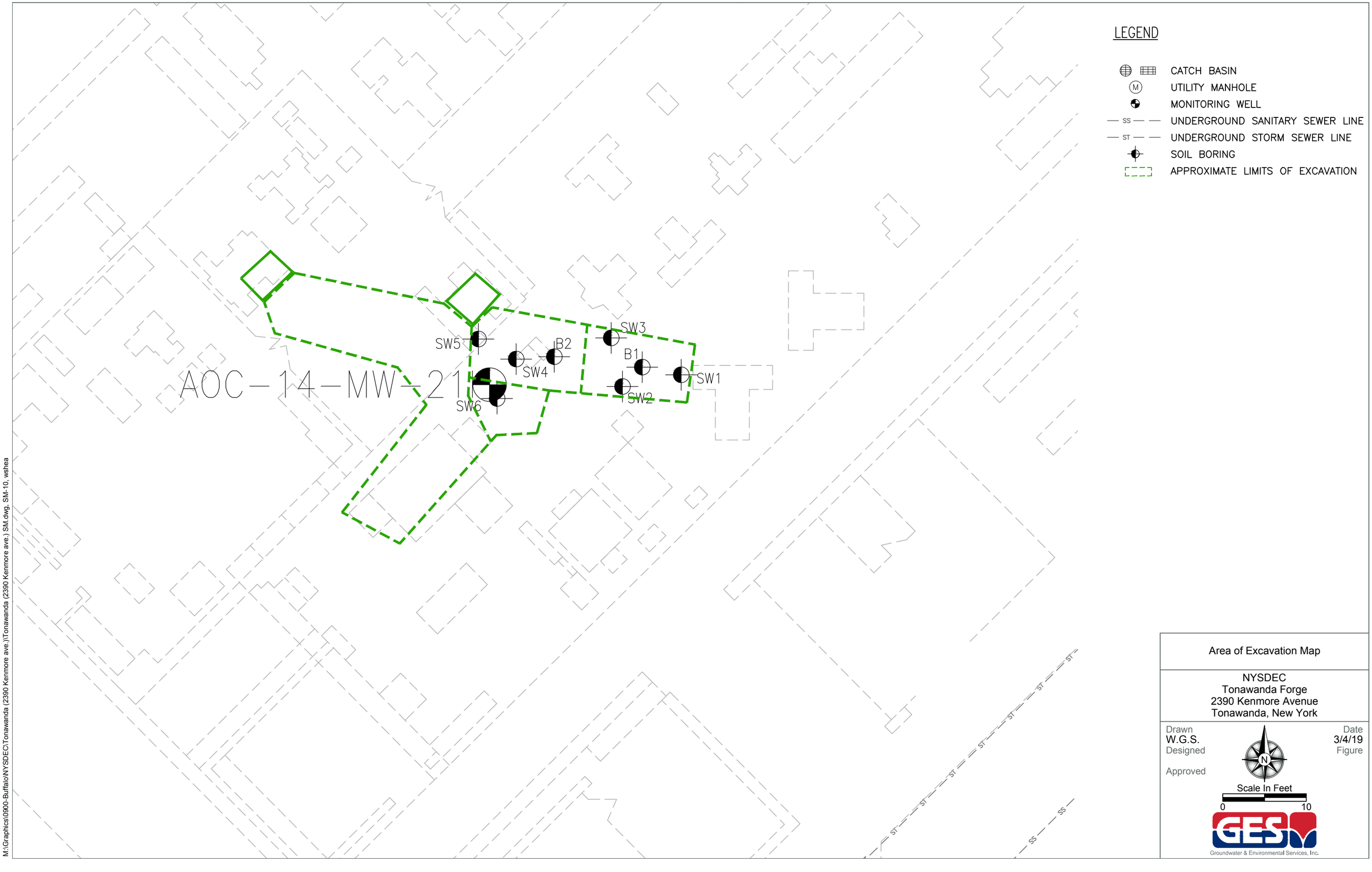

Area of Excavation Map

NYSDEC
Tonawanda Forge
2390 Kenmore Avenue
Tonawanda, New York

Drawn
W.G.S.
Designed

Approved

Date
3/4/19
Figure

Scale In Feet
0 10

Groundwater & Environmental Services, Inc.

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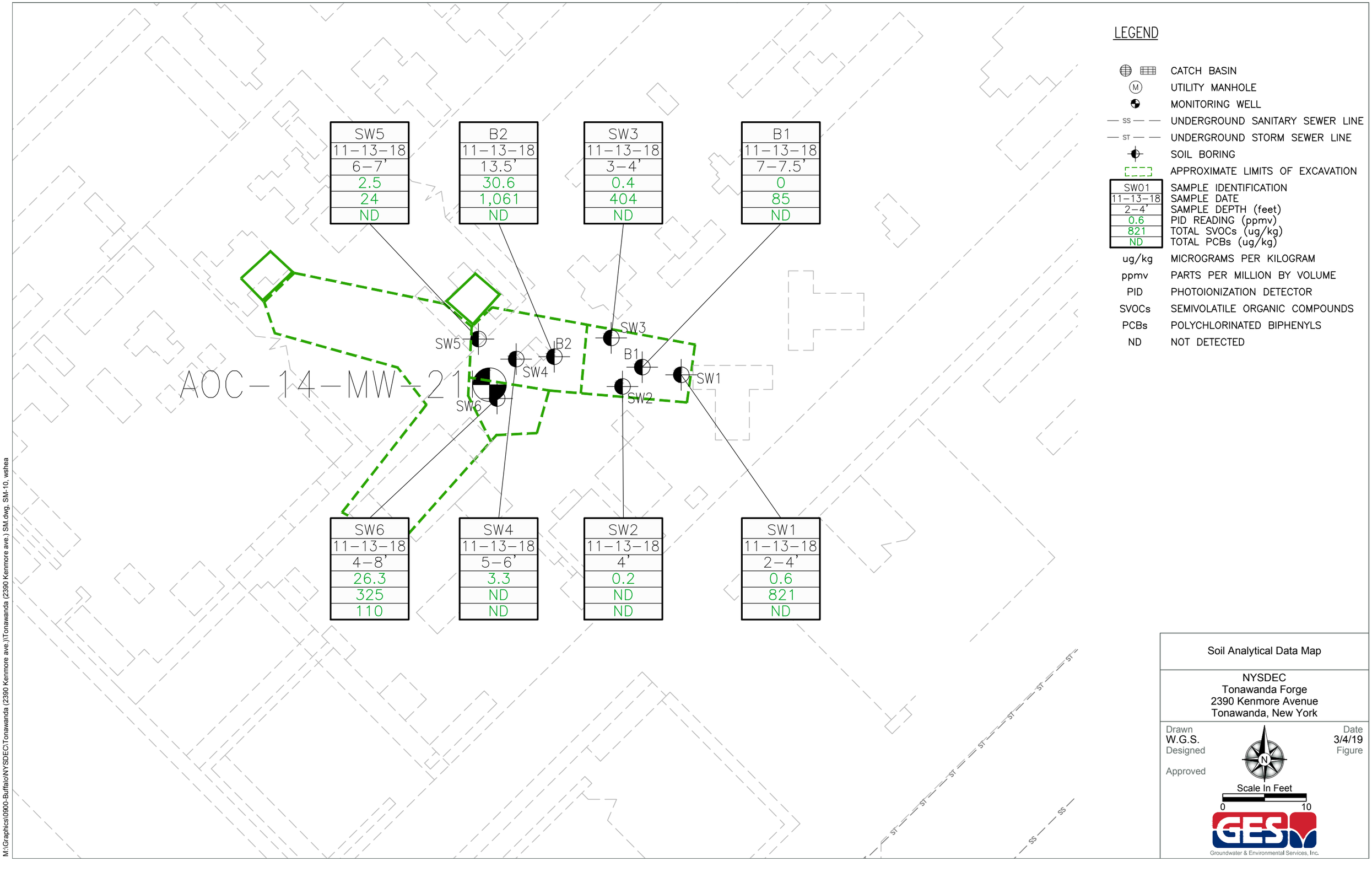

LEGEND

- CATCH BASIN
- UTILITY MANHOLE
- MONITORING WELL
- SS — UNDERGROUND SANITARY SEWER LINE
- ST — UNDERGROUND STORM SEWER LINE
- SOIL BORING
- APPROXIMATE LIMITS OF EXCAVATION

SW01	SAMPLE IDENTIFICATION
11-13-18	SAMPLE DATE
2-4'	SAMPLE DEPTH (feet)
0.6	PID READING (ppmv)
821	TOTAL SVOCs (ug/kg)
ND	TOTAL PCBs (ug/kg)

ug/kg	MICROGRAMS PER KILOGRAM
ppmv	PARTS PER MILLION BY VOLUME
PID	PHOTOIONIZATION DETECTOR
SVOCs	SEMIVOLATILE ORGANIC COMPOUNDS
PCBs	POLYCHLORINATED BIPHENYLS
ND	NOT DETECTED

Soil Analytical Data Map

NYSDEC
Tonawanda Forge
2390 Kenmore Avenue
Tonawanda, New York

Drawn W.G.S.
Designed
Approved
Date 3/4/19
Figure

Scale In Feet
0 10

Groundwater & Environmental Services, Inc.

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Tables

Table 1 Soil Analytical Data Table

	Sample ID	6 NYCRR Part 375-6.8(a) Unrestricted Use SCOs	6 NYCRR Part 375-6.8(b) Restricted Residential Use SCOs	SW-01	SW-02	SW-03	SW-04	SW-05	SW-06	B-1	B-2
	Sample Date			11/13/2018	11/13/2018	11/13/2018	11/13/2018	11/13/2018	11/13/2018	11/13/2018	11/13/2018
	PID Reading (ppmv)			0.6	0.2	0.4	3.3	2.5	26.3	0.0	30.6
	Start Depth (feet bg)			2	4	3	5	6	4	7	13.5
	End Depth (feet bg)			4	4	4	6	7	8	7.5	13.5
CAS No.	**Chemical Name**	*µg/kg*	*µg/kg*	*µg/kg*	*µg/kg*	*µg/kg*	*µg/kg*	*µg/kg*	*µg/kg*	*µg/kg*	*µg/kg*
SVOCs via Method 8270D											
92-52-4	1,1'-Biphenyl	NS	**NS**	ND < 250 U	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	85 (J)	ND < 200 U	230
95-95-4	2,4,5-Trichlorophenol	NS	**NS**	ND < 250 U	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	ND < 190 U	ND < 200 U	ND < 200 U
88-06-2	2,4,6-Trichlorophenol	NS	**NS**	ND < 250 U	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	ND < 190 U	ND < 200 U	ND < 200 U
120-83-2	2,4-Dichlorophenol	NS	**NS**	ND < 250 U	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	ND < 190 U	ND < 200 U	ND < 200 U
105-67-9	2,4-Dimethylphenol	NS	**NS**	ND < 250 U	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	ND < 190 U	ND < 200 U	ND < 200 U
51-28-5	2,4-Dinitrophenol	NS	**NS**	ND < 2400 U	ND < 2100 U	ND < 2200 U	ND < 2000 U	ND < 1900 U	ND < 1800 U	ND < 2000 U	ND < 1900 U
121-14-2	2,4-Dinitrotoluene	NS	**NS**	ND < 250 U	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	ND < 190 U	ND < 200 U	ND < 200 U
606-20-2	2,6-Dinitrotoluene	NS	**NS**	ND < 250 U	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	ND < 190 U	ND < 200 U	ND < 200 U
91-58-7	2-Chloronaphthalene	NS	**NS**	ND < 250 U	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	ND < 190 U	ND < 200 U	ND < 200 U
95-57-8	2-Chlorophenol	NS	**NS**	ND < 250 U	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	ND < 190 U	ND < 200 U	ND < 200 U
91-57-6	2-Methylnaphthalene	NS	**NS**	ND < 250 U	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	50 (J)	ND < 200 U	120 (J)
95-48-7	2-Methylphenol	330	**100,000**	ND < 250 U	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	ND < 190 U	ND < 200 U	ND < 200 U
88-74-4	2-Nitroaniline	NS	**NS**	ND < 480 U	ND < 430 U	ND < 430 U	ND < 390 U	ND < 370 U	ND < 360 U	ND < 400 U	ND < 380 U
88-75-5	2-Nitrophenol	NS	**NS**	ND < 250 U	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	ND < 190 U	ND < 200 U	ND < 200 U
91-94-1	3,3'-Dichlorobenzidine	NS	**NS**	ND < 480 U	ND < 430 U	ND < 430 U	ND < 390 U	ND < 370 U	ND < 360 U	ND < 400 U	ND < 380 U
99-09-2	3-Nitroaniline	NS	**NS**	ND < 480 U	ND < 430 U	ND < 430 U	ND < 390 U	ND < 370 U	ND < 360 U	ND < 400 U	ND < 380 U
534-52-1	4,6-Dinitro-2-methylphenol	NS	**NS**	ND < 480 U	ND < 430 U	ND < 430 U	ND < 390 U	ND < 370 U	ND < 360 U	ND < 400 U	ND < 380 U
101-55-3	4-Bromophenyl phenyl ether	NS	**NS**	ND < 250 U	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	ND < 190 U	ND < 200 U	ND < 200 U
59-50-7	4-Chloro-3-methylphenol	NS	**NS**	62 (J)	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	ND < 190 U	ND < 200 U	ND < 200 U
106-47-8	4-Chloroaniline	NS	**NS**	ND < 250 U	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	ND < 190 U	ND < 200 U	ND < 200 U
7005-72-3	4-Chlorophenyl phenyl ether	NS	**NS**	ND < 250 U	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	ND < 190 U	ND < 200 U	ND < 200 U
106-44-5	4-Methylphenol	330	**34,000**	ND < 480 U	ND < 430 U	ND < 430 U	ND < 390 U	ND < 370 U	ND < 360 U	ND < 400 U	ND < 380 U
100-01-6	4-Nitroaniline	NS	**NS**	ND < 480 U	ND < 430 U	ND < 430 U	ND < 390 U	ND < 370 U	ND < 360 U	ND < 400 U	ND < 380 U
100-02-7	4-Nitrophenol	NS	**NS**	ND < 480 U	ND < 430 U	ND < 430 U	ND < 390 U	ND < 370 U	ND < 360 U	ND < 400 U	ND < 380 U
83-32-9	Acenaphthene	20,000	**100,000**	ND < 250 U	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	ND < 190 U	ND < 200 U	ND < 200 U
208-96-8	Acenaphthylene	100,000	**100,000**	ND < 250 U	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	ND < 190 U	ND < 200 U	ND < 200 U
98-86-2	Acetophenone	NS	**NS**	ND < 250 U	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	ND < 190 U	ND < 200 U	ND < 200 U
120-12-7	Anthracene	100,000	**100,000**	ND < 250 U	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	ND < 190 U	ND < 200 U	ND < 200 U
1912-24-9	Atrazine	NS	**NS**	ND < 250 U	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	ND < 190 U	ND < 200 U	ND < 200 U
100-52-7	Benzaldehyde	NS	**NS**	ND < 250 U	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	ND < 190 U	ND < 200 U	ND < 200 U
205-99-2	Benzo(b)fluoranthene	1,000	**1,000**	ND < 250 U	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	ND < 190 U	ND < 200 U	ND < 200 U
56-55-3	Benzo[a]anthracene	1,000	**1,000**	ND < 250 U	ND < 220 U	34 (J)	ND < 200 U	ND < 190 U	ND < 190 U	ND < 200 U	27 (J)
50-32-8	Benzo[a]pyrene	1,000	**1,000**	ND < 250 U	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	ND < 190 U	ND < 200 U	ND < 200 U
191-24-2	Benzo[g,h,i]perylene	100,000	**100,000**	ND < 250 U	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	ND < 190 U	ND < 200 U	ND < 200 U
207-08-9	Benzo[k]fluoranthene	800	**1,000**	ND < 250 U	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	ND < 190 U	ND < 200 U	ND < 200 U
111-91-1	bis(2-Chloroethoxy)methane	NS	**NS**	ND < 250 U	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	ND < 190 U	ND < 200 U	ND < 200 U
111-44-4	bis(2-Chloroethyl) ether	NS	**NS**	ND < 250 U	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	ND < 190 U	ND < 200 U	ND < 200 U
117-81-7	bis(2-Ethylhexyl) phthalate	NS	**NS**	100 (J)	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	ND < 190 U	ND < 200 U	ND < 200 U
85-68-7	Butyl benzyl phthalate	NS	**NS**	ND < 250 U	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	ND < 190 U	ND < 200 U	ND < 200 U
105-60-2	Caprolactam	NS	**NS**	ND < 250 U	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	ND < 190 U	ND < 200 U	ND < 200 U
86-74-8	Carbazole	NS	**NS**	ND < 250 U	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	ND < 190 U	ND < 200 U	ND < 200 U
218-01-9	Chrysene	1,000	**1,000**	ND < 250 U	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	ND < 190 U	ND < 200 U	ND < 200 U
53-70-3	Dibenz[a,h]anthracene	330	**330**	ND < 250 U	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	ND < 190 U	ND < 200 U	ND < 200 U
132-64-9	Dibenzofuran	NS	**NS**	ND < 250 U	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	ND < 190 U	ND < 200 U	59 (J)
84-66-2	Diethyl phthalate	NS	**NS**	ND < 250 U	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	ND < 190 U	ND < 200 U	ND < 200 U
131-11-3	Dimethyl phthalate	NS	**NS**	29 (J)	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	ND < 190 U	85 (J)	ND < 200 U
84-74-2	Di-n-butyl phthalate	NS	**NS**	ND < 250 U	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	ND < 190 U	ND < 200 U	ND < 200 U
117-84-0	Di-n-octyl phthalate	NS	**NS**	ND < 250 U	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	ND < 190 U	ND < 200 U	ND < 200 U
206-44-0	Fluoranthene	100,000	**100,000**	200 (J)	ND < 220 U	110 (J)	ND < 200 U	24 (J)	28 (J)	ND < 200 U	110 (J)
86-73-7	Fluorene	30,000	**100,000**	ND < 250 U	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	23 (J)	ND < 200 U	72 (J)
118-74-1	Hexachlorobenzene	NS	**NS**	ND < 250 U	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	ND < 190 U	ND < 200 U	ND < 200 U
87-68-3	Hexachlorobutadiene	NS	**NS**	ND < 250 U	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	ND < 190 U	ND < 200 U	ND < 200 U
77-47-4	Hexachlorocyclopentadiene	NS	**NS**	ND < 250 U	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	ND < 190 U	ND < 200 U	ND < 200 U
67-72-1	Hexachloroethane	NS	**NS**	ND < 250 U	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	ND < 190 U	ND < 200 U	ND < 200 U
193-39-5	Indeno[1,2,3-cd]pyrene	500	**500**	ND < 250 U	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	ND < 190 U	ND < 200 U	ND < 200 U
78-59-1	Isophorone	NS	**NS**	ND < 250 U	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	ND < 190 U	ND < 200 U	ND < 200 U
91-20-3	Naphthalene	12,000	**100,000**	ND < 250 U	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	31 (J)	ND < 200 U	87 (J)
98-95-3	Nitrobenzene	NS	**NS**	ND < 250 U	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	ND < 190 U	ND < 200 U	ND < 200 U
621-64-7	N-Nitrosodi-n-propylamine	NS	**NS**	ND < 250 U	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	ND < 190 U	ND < 200 U	ND < 200 U
86-30-6	N-Nitrosodiphenylamine	NS	**NS**	ND < 250 U	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	ND < 190 U	ND < 200 U	ND < 200 U
87-86-5	Pentachlorophenol	800	**2,400**	ND < 480 U	ND < 430 U	ND < 430 U	ND < 390 U	ND < 370 U	ND < 360 U	ND < 400 U	ND < 380 U
85-01-8	Phenanthrene	100,000	**100,000**	250	ND < 220 U	160 (J)	ND < 200 U	ND < 190 U	76 (J)	ND < 200 U	270
108-95-2	Phenol	330	**100,000**	ND < 250 U	ND < 220 U	ND < 220 U	ND < 200 U	ND < 190 U	ND < 190 U	ND < 200 U	ND < 200 U
129-00-0	Pyrene	100,000	**100,000**	180 (J)	ND < 220 U	100 (J)	ND < 200 U	ND < 190 U	32 (J)	ND < 200 U	86 (J)
PCBs via Method 8082A											
12674-11-2	Aroclor 1016	100	**1,000**	ND < 340 U	ND < 290 U	ND < 290 U	ND < 270 U	ND < 240 U	ND < 230 U	ND < 240 U	ND < 270 U
11104-28-2	Aroclor 1221			ND < 340 U	ND < 290 U	ND < 290 U	ND < 270 U	ND < 240 U	ND < 230 U	ND < 240 U	ND < 270 U
11141-16-5	Aroclor 1232			ND < 340 U	ND < 290 U	ND < 290 U	ND < 270 U	ND < 240 U	ND < 230 U	ND < 240 U	ND < 270 U
53469-21-9	Aroclor 1242			ND < 340 U	ND < 290 U	ND < 290 U	ND < 270 U	ND < 240 U	ND < 230 U	ND < 240 U	ND < 270 U
12672-29-6	Aroclor 1248			ND < 340 U	ND < 290 U	ND < 290 U	ND < 270 U	ND < 240 U	110 (J)	ND < 240 U	ND < 270 U
11097-69-1	Aroclor 1254			ND < 340 U	ND < 290 U	ND < 290 U	ND < 270 U	ND < 240 U	ND < 230 U	ND < 240 U	ND < 270 U
11096-82-5	Aroclor 1260			ND < 340 U	ND < 290 U	ND < 290 U	ND < 270 U	ND < 240 U	ND < 230 U	ND < 240 U	ND < 270 U
37324-23-5	Aroclor-1262			ND < 340 U	ND < 290 U	ND < 290 U	ND < 270 U	ND < 240 U	ND < 230 U	ND < 240 U	ND < 270 U
11100-14-4	Aroclor-1268			ND < 340 U	ND < 290 U	ND < 290 U	ND < 270 U	ND < 240 U	ND < 230 U	ND < 240 U	ND < 270 U

Notes:

feet bg - feet below grade

µg/kg - micrograms per kilogram

ppmv - parts per million by volume

PID - photo ionization detector

CAS No. - Chemical Abstract Service Number

6 NYCRR Part 375-6.8(a) - Title 6 of the Official Compilation of New York Codes, Rules and Regulations Part 375 SCO Table 6.8(a) Unrestricted Use

6 NYCRR Part 375-6.8(b) - Title 6 of the Official Compilation of New York Codes, Rules and Regulations Part 375 SCO Table 6.8(b) Restricted Residential Use

SCOs - soil cleanup objectives

SVOCs - semivolatile organic compounds

PCBs - polychlorinated biphenyls

ND < 190 U - Not detected at or above the inidated laboratory reporting limit

J - Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.

- indicates value exceeds 6 NYCRR Part 375-6.8(a) SCO Unrestricted Use

BOLD - indicates value exceeds 6 NYCRR Part 375-6.8(b) SCO Restricted Use - Residential

Appendix A –Remedial Excavation Photo Log

View west of site prior to initial concrete removal, paint shows anticipated subsurface pipe location.

View southwest, initial concrete and brick removal.

View east, start of excavation.

View northeast, encounter layer of black stained soil followed by native silt.

View southwest, extending excavation south.

View north, extension of excavation to the south, more discolored soil encountered.

Slag-like material removed from approximately 3 feet below grade.

View northeast, excavation extended north, encounter void space filled with pea gravel and water, LNAPL can be seen on the surface of the water.

View southwest, overview of excavation area.

View west, extending excavation west past concrete structure.

View northeast, concrete structure has a steel wrapped layer followed by more concrete, no sign of LNAPL.

View north, void space below concrete structure appears to be bedding material for concrete structure.

View south, extend excavation to the south around monitoring well.

View south, water flowing into excavation from alongside concrete footing in excavation, no sign of LNAPL.

View south, excavation extended south adjacent to concrete footing.

View west, overnight water collected in excavation with a thin layer of LNAPL on the surface.

View east, excavation backfill around monitoring well.

View west, concrete structure on west edge of excavation also appears to be filled with concrete and wrapped in steel, no sign of LNAPL.

Appendix B – Laboratory Analytical Reports

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

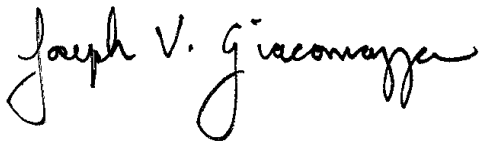
Job Number: 480-145287-1

Job Description: Tonawanda Forge #915274

Contract Number: C100700

For:
New York State D.E.C.
625 Broadway
12th Floor
Albany, NY 12233-7017

Attention: Jeffrey E Trad



Approved for release.
Joe V Giacomazza
Project Management Assistant II
12/17/2018 9:35 AM

Designee for
Orlette S Johnson, Senior Project Manager
10 Hazelwood Drive, Amherst, NY, 14228-2298
(484)685-0864
orlette.johnson@testamericainc.com
12/17/2018

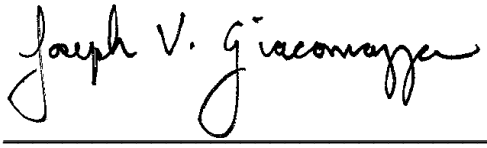
The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.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

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

Job Number: 480-145287-1

Job Description: Tonawanda Forge #915274

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Approved for release.
Joe V Giacomazza
Project Management Assistant II
12/17/2018 9:35 AM

Designee for
Orlette S Johnson

Table of Contents

Cover Title Page 1

Data Summaries 5

Report Narrative 5

Definitions 6

Sample Summary 7

Detection Summary 8

Client Sample Results 10

Surrogate Summary 26

QC Sample Results 27

QC Association 31

Chronicle 33

Method Summary 37

Certification Summary 38

Organic Sample Data 39

GC/MS Semi VOA 39

Method 8270D 39

Method 8270D QC Summary 40

Method 8270D Sample Data 53

Standards Data 162

Method 8270D ICAL Data 162

Method 8270D Resolution Data 212

Method 8270D CCAL Data 214

Raw QC Data 228

Method 8270D Tune Data 228

Method 8270D Blank Data 249

Method 8270D LCS/LCSD Data 259

Table of Contents

Method 8270D Run Logs 266

Method 8270D Prep Data 269

GC Semi VOA 271

Method 8082A 271

Method 8082A QC Summary 272

Method 8082A Sample Data 281

Standards Data 337

Method 8082A ICAL Data 337

Method 8082A CCAL Data 519

Raw QC Data 619

Method 8082A Blank Data 619

Method 8082A LCS/LCSD Data 625

Method 8082A Run Logs 641

Method 8082A Prep Data 647

Inorganic Sample Data 648

General Chemistry Data 648

Gen Chem Cover Page 649

Gen Chem MDL 650

Gen Chem Analysis Run Log 652

Gen Chem Prep Data 653

Shipping and Receiving Documents 654

Client Chain of Custody 655

Sample Receipt Checklist 656

Job Narrative
480-145287-1

Comments
No additional comments.

Receipt
The samples were received on 11/14/2018 4:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.0º C.

GC/MS Semi VOA
Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-446676 recovered outside acceptance criteria, low biased, for 2,4-Dinitrophenol. 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 samples are impacted: SW-02 (480-145287-2), SW-03 (480-145287-3), SW-04 (480-145287-4), B-1 (480-145287-5), SW-05 (480-145287-6), B-2 (480-145287-7) and SW-06 (480-145287-8).

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: The following samples are associated with a continuing calibration verification (CCV 48-446375/32) that had recoveries for the surrogate Tetrachloro-m-xylene that were above acceptance limits: SW-01 (480-145287-1), SW-02 (480-145287-2), SW-03 (480-145287-3), SW-04 (480-145287-4), B-1 (480-145287-5), SW-05 (480-145287-6), B-2 (480-145287-7) and SW-06 (480-145287-8). The secondary surrogate Decachlorobiphenyl is within limits. Therefore, the data has been reported.

Method(s) 8082A: The following samples are associated with method blank (MB 480-446128/1), laboratory control sample (LCS 480-446128/2) that had recoveries for the surrogate Tetrachloro-m-xylene that were above acceptance limits: SW-01 (480-145287-1), SW-02 (480-145287-2), SW-03 (480-145287-3), SW-04 (480-145287-4), B-1 (480-145287-5), SW-05 (480-145287-6), B-2 (480-145287-7) and SW-06 (480-145287-8). The secondary surrogate Decachlorobiphenyl was within limits. Therefore, the data has been reported.

Method(s) 8082A: Surrogate recovery for the following sample was outside the upper control limit: SW-01 (480-145287-1). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8082A: All primary data for analytical batch 446375 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.

Method(s) 8082A: The continuing calibration verification (CCV 480-446375/8) recovered outside acceptance criteria, low bias, for PCB-1268. The associated samples are void of any pattern match and non-detect for this analyte, the data has been reported. The following samples are impacted: SW-01 (480-145287-1), SW-02 (480-145287-2), SW-03 (480-145287-3), SW-04 (480-145287-4), B-1 (480-145287-5), SW-05 (480-145287-6), B-2 (480-145287-7) and SW-06 (480-145287-8)

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.

Qualifiers

GC/MS Semi VOA

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

GC Semi VOA

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)

Sample Summary

Client: New York State D.E.C.
Project/Site: Tonawanda Forge #915274

TestAmerica Job ID: 480-145287-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-145287-1	SW-01	Solid	11/13/18 13:45	11/14/18 16:00
480-145287-2	SW-02	Solid	11/13/18 13:50	11/14/18 16:00
480-145287-3	SW-03	Solid	11/13/18 13:55	11/14/18 16:00
480-145287-4	SW-04	Solid	11/13/18 14:35	11/14/18 16:00
480-145287-5	B-1	Solid	11/13/18 13:40	11/14/18 16:00
480-145287-6	SW-05	Solid	11/13/18 14:40	11/14/18 16:00
480-145287-7	B-2	Solid	11/13/18 14:45	11/14/18 16:00
480-145287-8	SW-06	Solid	11/13/18 16:35	11/14/18 16:00

Detection Summary

Client: New York State D.E.C.
Project/Site: Tonawanda Forge #915274

TestAmerica Job ID: 480-145287-1

Client Sample ID: SW-01 — Lab Sample ID: 480-145287-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4-Chloro-3-methylphenol	62	J	250	61	ug/Kg	1	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	100	J	250	84	ug/Kg	1	☼	8270D	Total/NA
Dimethyl phthalate	29	J	250	29	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	200	J	250	26	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	250		250	36	ug/Kg	1	☼	8270D	Total/NA
Pyrene	180	J	250	29	ug/Kg	1	☼	8270D	Total/NA

Client Sample ID: SW-02 — Lab Sample ID: 480-145287-2

No Detections.

Client Sample ID: SW-03 — Lab Sample ID: 480-145287-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo(a)anthracene	34	J	220	22	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	110	J	220	24	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	160	J	220	33	ug/Kg	1	☼	8270D	Total/NA
Pyrene	100	J	220	26	ug/Kg	1	☼	8270D	Total/NA

Client Sample ID: SW-04 — Lab Sample ID: 480-145287-4

No Detections.

Client Sample ID: B-1 — Lab Sample ID: 480-145287-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dimethyl phthalate	85	J	200	24	ug/Kg	1	☼	8270D	Total/NA

Client Sample ID: SW-05 — Lab Sample ID: 480-145287-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene	24	J	190	20	ug/Kg	1	☼	8270D	Total/NA

Client Sample ID: B-2 — Lab Sample ID: 480-145287-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	120	J	200	39	ug/Kg	1	☼	8270D	Total/NA
Benzo(a)anthracene	27	J	200	20	ug/Kg	1	☼	8270D	Total/NA
Biphenyl	230		200	29	ug/Kg	1	☼	8270D	Total/NA
Dibenzofuran	59	J	200	23	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	110	J	200	21	ug/Kg	1	☼	8270D	Total/NA
Fluorene	72	J	200	23	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	87	J	200	25	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	270		200	29	ug/Kg	1	☼	8270D	Total/NA
Pyrene	86	J	200	23	ug/Kg	1	☼	8270D	Total/NA

Client Sample ID: SW-06 — Lab Sample ID: 480-145287-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	50	J	190	37	ug/Kg	1	☼	8270D	Total/NA
Biphenyl	85	J	190	27	ug/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SW-06 (Continued)

Lab Sample ID: 480-145287-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene	38	J	190	20	ug/Kg	1	☼	8270D	Total/NA
Fluorene	23	J	190	22	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	31	J	190	24	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	76	J	190	27	ug/Kg	1	☼	8270D	Total/NA
Pyrene	32	J	190	22	ug/Kg	1	☼	8270D	Total/NA
PCB-1248	110	J	230	45	ug/Kg	1	☼	8082A	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SW-01

Date Collected: 11/13/18 13:45
Date Received: 11/14/18 16:00

Lab Sample ID: 480-145287-1

Matrix: Solid
Percent Solids: 68.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		250	67	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
2,4,6-Trichlorophenol	ND		250	49	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
2,4-Dichlorophenol	ND		250	26	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
2,4-Dimethylphenol	ND		250	60	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
2,4-Dinitrophenol	ND		2400	1100	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
2,4-Dinitrotoluene	ND		250	51	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
2,6-Dinitrotoluene	ND		250	29	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
2-Chloronaphthalene	ND		250	41	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
2-Chlorophenol	ND		250	45	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
2-Methylnaphthalene	ND		250	49	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
2-Methylphenol	ND		250	29	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
2-Nitroaniline	ND		480	36	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
2-Nitrophenol	ND		250	70	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
3,3'-Dichlorobenzidine	ND		480	290	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
3-Nitroaniline	ND		480	68	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
4,6-Dinitro-2-methylphenol	ND		480	250	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
4-Bromophenyl phenyl ether	ND		250	35	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
4-Chloro-3-methylphenol	**62**	**J**	250	61	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
4-Chloroaniline	ND		250	61	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
4-Chlorophenyl phenyl ether	ND		250	30	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
4-Methylphenol	ND		480	29	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
4-Nitroaniline	ND		480	130	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
4-Nitrophenol	ND		480	170	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
Acenaphthene	ND		250	36	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
Acenaphthylene	ND		250	32	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
Acetophenone	ND		250	33	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
Anthracene	ND		250	61	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
Atrazine	ND		250	86	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
Benzaldehyde	ND		250	200	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
Benzo(a)anthracene	ND		250	25	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
Benzo(a)pyrene	ND		250	36	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
Benzo(b)fluoranthene	ND		250	39	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
Benzo(g,h,i)perylene	ND		250	26	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
Benzo(k)fluoranthene	ND		250	32	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
Biphenyl	ND		250	36	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
bis (2-chloroisopropyl) ether	ND		250	49	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
Bis(2-chloroethoxy)methane	ND		250	52	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
Bis(2-chloroethyl)ether	ND		250	32	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
Bis(2-ethylhexyl) phthalate	**100**	**J**	250	84	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
Butyl benzyl phthalate	ND		250	41	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
Caprolactam	ND		250	74	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
Carbazole	ND		250	29	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
Chrysene	ND		250	55	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
Dibenz(a,h)anthracene	ND		250	44	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
Dibenzofuran	ND		250	29	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
Diethyl phthalate	ND		250	32	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
Dimethyl phthalate	**29**	**J**	250	29	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
Di-n-butyl phthalate	ND		250	42	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
Di-n-octyl phthalate	ND		250	29	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1

Client Sample ID: SW-01

Date Collected: 11/13/18 13:45
Date Received: 11/14/18 16:00

Lab Sample ID: 480-145287-1

Matrix: Solid
Percent Solids: 68.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**200**	**J**	250	26	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
Fluorene	ND		250	29	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
Hexachlorobenzene	ND		250	33	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
Hexachlorobutadiene	ND		250	36	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
Hexachlorocyclopentadiene	ND		250	33	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
Hexachloroethane	ND		250	32	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
Indeno(1,2,3-cd)pyrene	ND		250	30	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
Isophorone	ND		250	52	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
Naphthalene	ND		250	32	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
Nitrobenzene	ND		250	28	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
N-Nitrosodi-n-propylamine	ND		250	42	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
N-Nitrosodiphenylamine	ND		250	200	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
Pentachlorophenol	ND		480	250	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
Phenanthrene	**250**		250	36	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
Phenol	ND		250	38	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1
Pyrene	**180**	**J**	250	29	ug/Kg	☼	11/15/18 14:22	11/19/18 19:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*57*		*54 - 120*	*11/15/18 14:22*	*11/19/18 19:32*	*1*
2-Fluorobiphenyl	*97*		*60 - 120*	*11/15/18 14:22*	*11/19/18 19:32*	*1*
2-Fluorophenol	*81*		*52 - 120*	*11/15/18 14:22*	*11/19/18 19:32*	*1*
Nitrobenzene-d5	*89*		*53 - 120*	*11/15/18 14:22*	*11/19/18 19:32*	*1*
Phenol-d5	*86*		*54 - 120*	*11/15/18 14:22*	*11/19/18 19:32*	*1*
p-Terphenyl-d14	*108*		*65 - 121*	*11/15/18 14:22*	*11/19/18 19:32*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1221	ND		340	66	ug/Kg	☼	11/16/18 14:27	11/19/18 21:34	1
PCB-1242	ND		340	66	ug/Kg	☼	11/16/18 14:27	11/19/18 21:34	1
PCB-1254	ND		340	160	ug/Kg	☼	11/16/18 14:27	11/19/18 21:34	1
PCB-1260	ND		340	160	ug/Kg	☼	11/16/18 14:27	11/19/18 21:34	1
PCB-1016	ND		340	66	ug/Kg	☼	11/16/18 14:27	11/19/18 21:34	1
PCB-1248	ND		340	66	ug/Kg	☼	11/16/18 14:27	11/19/18 21:34	1
PCB-1232	ND		340	66	ug/Kg	☼	11/16/18 14:27	11/19/18 21:34	1
PCB-1262	ND		340	160	ug/Kg	☼	11/16/18 14:27	11/19/18 21:34	1
PCB-1268	ND		340	160	ug/Kg	☼	11/16/18 14:27	11/19/18 21:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*155*	*X*	*60 - 154*	*11/16/18 14:27*	*11/19/18 21:34*	*1*
Tetrachloro-m-xylene	*116*		*60 - 154*	*11/16/18 14:27*	*11/19/18 21:34*	*1*
DCB Decachlorobiphenyl	*157*		*65 - 174*	*11/16/18 14:27*	*11/19/18 21:34*	*1*
DCB Decachlorobiphenyl	*187*	*X*	*65 - 174*	*11/16/18 14:27*	*11/19/18 21:34*	*1*

Client Sample ID: SW-02

Date Collected: 11/13/18 13:50
Date Received: 11/14/18 16:00

Lab Sample ID: 480-145287-2

Matrix: Solid
Percent Solids: 75.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		220	59	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1

Client Sample ID: SW-02
Date Collected: 11/13/18 13:50
Date Received: 11/14/18 16:00

Lab Sample ID: 480-145287-2
Matrix: Solid
Percent Solids: 75.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		220	44	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
2,4-Dichlorophenol	ND		220	23	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
2,4-Dimethylphenol	ND		220	53	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
2,4-Dinitrophenol	ND		2100	1000	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
2,4-Dinitrotoluene	ND		220	45	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
2,6-Dinitrotoluene	ND		220	26	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
2-Chloronaphthalene	ND		220	36	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
2-Chlorophenol	ND		220	40	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
2-Methylnaphthalene	ND		220	44	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
2-Methylphenol	ND		220	26	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
2-Nitroaniline	ND		430	32	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
2-Nitrophenol	ND		220	62	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
3,3'-Dichlorobenzidine	ND		430	260	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
3-Nitroaniline	ND		430	61	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
4,6-Dinitro-2-methylphenol	ND		430	220	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
4-Bromophenyl phenyl ether	ND		220	31	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
4-Chloro-3-methylphenol	ND		220	54	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
4-Chloroaniline	ND		220	54	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
4-Chlorophenyl phenyl ether	ND		220	27	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
4-Methylphenol	ND		430	26	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
4-Nitroaniline	ND		430	110	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
4-Nitrophenol	ND		430	150	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
Acenaphthene	ND		220	32	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
Acenaphthylene	ND		220	28	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
Acetophenone	ND		220	30	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
Anthracene	ND		220	54	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
Atrazine	ND		220	76	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
Benzaldehyde	ND		220	170	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
Benzo(a)anthracene	ND		220	22	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
Benzo(a)pyrene	ND		220	32	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
Benzo(b)fluoranthene	ND		220	35	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
Benzo(g,h,i)perylene	ND		220	23	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
Benzo(k)fluoranthene	ND		220	28	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
Biphenyl	ND		220	32	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
bis (2-chloroisopropyl) ether	ND		220	44	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
Bis(2-chloroethoxy)methane	ND		220	46	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
Bis(2-chloroethyl)ether	ND		220	28	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
Bis(2-ethylhexyl) phthalate	ND		220	75	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
Butyl benzyl phthalate	ND		220	36	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
Caprolactam	ND		220	66	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
Carbazole	ND		220	26	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
Chrysene	ND		220	49	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
Dibenz(a,h)anthracene	ND		220	39	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
Dibenzofuran	ND		220	26	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
Diethyl phthalate	ND		220	28	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
Dimethyl phthalate	ND		220	26	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
Di-n-butyl phthalate	ND		220	37	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
Di-n-octyl phthalate	ND		220	26	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
Fluoranthene	ND		220	23	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1

Client Sample ID: SW-02

Date Collected: 11/13/18 13:50
Date Received: 11/14/18 16:00

Lab Sample ID: 480-145287-2

Matrix: Solid
Percent Solids: 75.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		220	26	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
Hexachlorobenzene	ND		220	30	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
Hexachlorobutadiene	ND		220	32	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
Hexachlorocyclopentadiene	ND		220	30	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
Hexachloroethane	ND		220	28	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
Indeno(1,2,3-cd)pyrene	ND		220	27	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
Isophorone	ND		220	46	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
Naphthalene	ND		220	28	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
Nitrobenzene	ND		220	24	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
N-Nitrosodi-n-propylamine	ND		220	37	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
N-Nitrosodiphenylamine	ND		220	180	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
Pentachlorophenol	ND		430	220	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
Phenanthrene	ND		220	32	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
Phenol	ND		220	33	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1
Pyrene	ND		220	26	ug/Kg	☼	11/15/18 14:22	11/20/18 16:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*85*		*54 - 120*	*11/15/18 14:22*	*11/20/18 16:00*	*1*
2-Fluorobiphenyl	*97*		*60 - 120*	*11/15/18 14:22*	*11/20/18 16:00*	*1*
2-Fluorophenol	*84*		*52 - 120*	*11/15/18 14:22*	*11/20/18 16:00*	*1*
Nitrobenzene-d5	*87*		*53 - 120*	*11/15/18 14:22*	*11/20/18 16:00*	*1*
Phenol-d5	*86*		*54 - 120*	*11/15/18 14:22*	*11/20/18 16:00*	*1*
p-Terphenyl-d14	*113*		*65 - 121*	*11/15/18 14:22*	*11/20/18 16:00*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1221	ND		290	56	ug/Kg	☼	11/16/18 14:27	11/19/18 21:50	1
PCB-1242	ND		290	56	ug/Kg	☼	11/16/18 14:27	11/19/18 21:50	1
PCB-1254	ND		290	130	ug/Kg	☼	11/16/18 14:27	11/19/18 21:50	1
PCB-1260	ND		290	130	ug/Kg	☼	11/16/18 14:27	11/19/18 21:50	1
PCB-1016	ND		290	56	ug/Kg	☼	11/16/18 14:27	11/19/18 21:50	1
PCB-1248	ND		290	56	ug/Kg	☼	11/16/18 14:27	11/19/18 21:50	1
PCB-1232	ND		290	56	ug/Kg	☼	11/16/18 14:27	11/19/18 21:50	1
PCB-1262	ND		290	130	ug/Kg	☼	11/16/18 14:27	11/19/18 21:50	1
PCB-1268	ND		290	130	ug/Kg	☼	11/16/18 14:27	11/19/18 21:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*130*		*60 - 154*	*11/16/18 14:27*	*11/19/18 21:50*	*1*
Tetrachloro-m-xylene	*96*		*60 - 154*	*11/16/18 14:27*	*11/19/18 21:50*	*1*
DCB Decachlorobiphenyl	*113*		*65 - 174*	*11/16/18 14:27*	*11/19/18 21:50*	*1*
DCB Decachlorobiphenyl	*132*		*65 - 174*	*11/16/18 14:27*	*11/19/18 21:50*	*1*

Client Sample ID: SW-03

Date Collected: 11/13/18 13:55
Date Received: 11/14/18 16:00

Lab Sample ID: 480-145287-3

Matrix: Solid
Percent Solids: 74.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		220	60	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
2,4,6-Trichlorophenol	ND		220	45	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1

Client Sample ID: SW-03
Date Collected: 11/13/18 13:55
Date Received: 11/14/18 16:00

Lab Sample ID: 480-145287-3
Matrix: Solid
Percent Solids: 74.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenol	ND		220	24	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
2,4-Dimethylphenol	ND		220	54	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
2,4-Dinitrophenol	ND		2200	1000	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
2,4-Dinitrotoluene	ND		220	46	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
2,6-Dinitrotoluene	ND		220	26	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
2-Chloronaphthalene	ND		220	37	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
2-Chlorophenol	ND		220	41	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
2-Methylnaphthalene	ND		220	45	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
2-Methylphenol	ND		220	26	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
2-Nitroaniline	ND		430	33	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
2-Nitrophenol	ND		220	63	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
3,3'-Dichlorobenzidine	ND		430	260	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
3-Nitroaniline	ND		430	62	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
4,6-Dinitro-2-methylphenol	ND		430	220	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
4-Bromophenyl phenyl ether	ND		220	32	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
4-Chloro-3-methylphenol	ND		220	55	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
4-Chloroaniline	ND		220	55	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
4-Chlorophenyl phenyl ether	ND		220	28	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
4-Methylphenol	ND		430	26	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
4-Nitroaniline	ND		430	120	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
4-Nitrophenol	ND		430	160	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
Acenaphthene	ND		220	33	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
Acenaphthylene	ND		220	29	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
Acetophenone	ND		220	30	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
Anthracene	ND		220	55	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
Atrazine	ND		220	78	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
Benzaldehyde	ND		220	180	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
Benzo(a)anthracene	**34**	**J**	220	22	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
Benzo(a)pyrene	ND		220	33	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
Benzo(b)fluoranthene	ND		220	35	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
Benzo(g,h,i)perylene	ND		220	24	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
Benzo(k)fluoranthene	ND		220	29	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
Biphenyl	ND		220	33	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
bis (2-chloroisopropyl) ether	ND		220	45	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
Bis(2-chloroethoxy)methane	ND		220	47	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
Bis(2-chloroethyl)ether	ND		220	29	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
Bis(2-ethylhexyl) phthalate	ND		220	76	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
Butyl benzyl phthalate	ND		220	37	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
Caprolactam	ND		220	67	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
Carbazole	ND		220	26	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
Chrysene	ND		220	50	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
Dibenz(a,h)anthracene	ND		220	39	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
Dibenzofuran	ND		220	26	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
Diethyl phthalate	ND		220	29	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
Dimethyl phthalate	ND		220	26	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
Di-n-butyl phthalate	ND		220	38	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
Di-n-octyl phthalate	ND		220	26	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
Fluoranthene	**110**	**J**	220	24	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
Fluorene	ND		220	26	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1

Client Sample ID: SW-03

Date Collected: 11/13/18 13:55
Date Received: 11/14/18 16:00

Lab Sample ID: 480-145287-3

Matrix: Solid
Percent Solids: 74.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	ND		220	30	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
Hexachlorobutadiene	ND		220	33	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
Hexachlorocyclopentadiene	ND		220	30	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
Hexachloroethane	ND		220	29	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
Indeno(1,2,3-cd)pyrene	ND		220	28	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
Isophorone	ND		220	47	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
Naphthalene	ND		220	29	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
Nitrobenzene	ND		220	25	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
N-Nitrosodi-n-propylamine	ND		220	38	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
N-Nitrosodiphenylamine	ND		220	180	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
Pentachlorophenol	ND		430	220	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
Phenanthrene	**160**	**J**	220	33	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
Phenol	ND		220	34	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1
Pyrene	**100**	**J**	220	26	ug/Kg	☼	11/15/18 14:22	11/20/18 16:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*91*		*54 - 120*	*11/15/18 14:22*	*11/20/18 16:29*	*1*
2-Fluorobiphenyl	*96*		*60 - 120*	*11/15/18 14:22*	*11/20/18 16:29*	*1*
2-Fluorophenol	*83*		*52 - 120*	*11/15/18 14:22*	*11/20/18 16:29*	*1*
Nitrobenzene-d5	*89*		*53 - 120*	*11/15/18 14:22*	*11/20/18 16:29*	*1*
Phenol-d5	*85*		*54 - 120*	*11/15/18 14:22*	*11/20/18 16:29*	*1*
p-Terphenyl-d14	*121*		*65 - 121*	*11/15/18 14:22*	*11/20/18 16:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1221	ND		290	57	ug/Kg	☼	11/16/18 14:27	11/19/18 22:06	1
PCB-1242	ND		290	57	ug/Kg	☼	11/16/18 14:27	11/19/18 22:06	1
PCB-1254	ND		290	140	ug/Kg	☼	11/16/18 14:27	11/19/18 22:06	1
PCB-1260	ND		290	140	ug/Kg	☼	11/16/18 14:27	11/19/18 22:06	1
PCB-1016	ND		290	57	ug/Kg	☼	11/16/18 14:27	11/19/18 22:06	1
PCB-1248	ND		290	57	ug/Kg	☼	11/16/18 14:27	11/19/18 22:06	1
PCB-1232	ND		290	57	ug/Kg	☼	11/16/18 14:27	11/19/18 22:06	1
PCB-1262	ND		290	140	ug/Kg	☼	11/16/18 14:27	11/19/18 22:06	1
PCB-1268	ND		290	140	ug/Kg	☼	11/16/18 14:27	11/19/18 22:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*130*		*60 - 154*	*11/16/18 14:27*	*11/19/18 22:06*	*1*
Tetrachloro-m-xylene	*96*		*60 - 154*	*11/16/18 14:27*	*11/19/18 22:06*	*1*
DCB Decachlorobiphenyl	*116*		*65 - 174*	*11/16/18 14:27*	*11/19/18 22:06*	*1*
DCB Decachlorobiphenyl	*138*		*65 - 174*	*11/16/18 14:27*	*11/19/18 22:06*	*1*

Client Sample ID: SW-04

Date Collected: 11/13/18 14:35
Date Received: 11/14/18 16:00

Lab Sample ID: 480-145287-4

Matrix: Solid
Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		200	55	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
2,4,6-Trichlorophenol	ND		200	40	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
2,4-Dichlorophenol	ND		200	21	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1

Client Sample ID: SW-04
Date Collected: 11/13/18 14:35
Date Received: 11/14/18 16:00

Lab Sample ID: 480-145287-4
Matrix: Solid
Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	ND		200	49	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
2,4-Dinitrophenol	ND		2000	930	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
2,4-Dinitrotoluene	ND		200	41	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
2,6-Dinitrotoluene	ND		200	24	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
2-Chloronaphthalene	ND		200	33	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
2-Chlorophenol	ND		200	37	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
2-Methylnaphthalene	ND		200	40	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
2-Methylphenol	ND		200	24	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
2-Nitroaniline	ND		390	30	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
2-Nitrophenol	ND		200	57	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
3,3'-Dichlorobenzidine	ND		390	240	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
3-Nitroaniline	ND		390	56	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
4,6-Dinitro-2-methylphenol	ND		390	200	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
4-Bromophenyl phenyl ether	ND		200	28	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
4-Chloro-3-methylphenol	ND		200	50	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
4-Chloroaniline	ND		200	50	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
4-Chlorophenyl phenyl ether	ND		200	25	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
4-Methylphenol	ND		390	24	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
4-Nitroaniline	ND		390	110	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
4-Nitrophenol	ND		390	140	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
Acenaphthene	ND		200	30	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
Acenaphthylene	ND		200	26	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
Acetophenone	ND		200	27	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
Anthracene	ND		200	50	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
Atrazine	ND		200	70	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
Benzaldehyde	ND		200	160	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
Benzo(a)anthracene	ND		200	20	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
Benzo(a)pyrene	ND		200	30	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
Benzo(b)fluoranthene	ND		200	32	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
Benzo(g,h,i)perylene	ND		200	21	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
Benzo(k)fluoranthene	ND		200	26	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
Biphenyl	ND		200	30	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
bis (2-chloroisopropyl) ether	ND		200	40	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
Bis(2-chloroethoxy)methane	ND		200	43	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
Bis(2-chloroethyl)ether	ND		200	26	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
Bis(2-ethylhexyl) phthalate	ND		200	69	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
Butyl benzyl phthalate	ND		200	33	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
Caprolactam	ND		200	60	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
Carbazole	ND		200	24	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
Chrysene	ND		200	45	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
Dibenz(a,h)anthracene	ND		200	36	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
Dibenzofuran	ND		200	24	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
Diethyl phthalate	ND		200	26	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
Dimethyl phthalate	ND		200	24	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
Di-n-butyl phthalate	ND		200	34	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
Di-n-octyl phthalate	ND		200	24	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
Fluoranthene	ND		200	21	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
Fluorene	ND		200	24	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
Hexachlorobenzene	ND		200	27	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1

Client Sample ID: SW-04

Date Collected: 11/13/18 14:35
Date Received: 11/14/18 16:00

Lab Sample ID: 480-145287-4

Matrix: Solid
Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND		200	30	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
Hexachlorocyclopentadiene	ND		200	27	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
Hexachloroethane	ND		200	26	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
Indeno(1,2,3-cd)pyrene	ND		200	25	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
Isophorone	ND		200	43	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
Naphthalene	ND		200	26	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
Nitrobenzene	ND		200	23	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
N-Nitrosodi-n-propylamine	ND		200	34	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
N-Nitrosodiphenylamine	ND		200	160	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
Pentachlorophenol	ND		390	200	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
Phenanthrene	ND		200	30	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
Phenol	ND		200	31	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1
Pyrene	ND		200	24	ug/Kg	☼	11/15/18 14:22	11/20/18 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*70*		*54 - 120*	*11/15/18 14:22*	*11/20/18 16:57*	*1*
2-Fluorobiphenyl	*91*		*60 - 120*	*11/15/18 14:22*	*11/20/18 16:57*	*1*
2-Fluorophenol	*76*		*52 - 120*	*11/15/18 14:22*	*11/20/18 16:57*	*1*
Nitrobenzene-d5	*84*		*53 - 120*	*11/15/18 14:22*	*11/20/18 16:57*	*1*
Phenol-d5	*80*		*54 - 120*	*11/15/18 14:22*	*11/20/18 16:57*	*1*
p-Terphenyl-d14	*107*		*65 - 121*	*11/15/18 14:22*	*11/20/18 16:57*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1221	ND		270	52	ug/Kg	☼	11/16/18 14:27	11/19/18 22:21	1
PCB-1242	ND		270	52	ug/Kg	☼	11/16/18 14:27	11/19/18 22:21	1
PCB-1254	ND		270	120	ug/Kg	☼	11/16/18 14:27	11/19/18 22:21	1
PCB-1260	ND		270	120	ug/Kg	☼	11/16/18 14:27	11/19/18 22:21	1
PCB-1016	ND		270	52	ug/Kg	☼	11/16/18 14:27	11/19/18 22:21	1
PCB-1248	ND		270	52	ug/Kg	☼	11/16/18 14:27	11/19/18 22:21	1
PCB-1232	ND		270	52	ug/Kg	☼	11/16/18 14:27	11/19/18 22:21	1
PCB-1262	ND		270	120	ug/Kg	☼	11/16/18 14:27	11/19/18 22:21	1
PCB-1268	ND		270	120	ug/Kg	☼	11/16/18 14:27	11/19/18 22:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*137*		*60 - 154*	*11/16/18 14:27*	*11/19/18 22:21*	*1*
Tetrachloro-m-xylene	*98*		*60 - 154*	*11/16/18 14:27*	*11/19/18 22:21*	*1*
DCB Decachlorobiphenyl	*126*		*65 - 174*	*11/16/18 14:27*	*11/19/18 22:21*	*1*
DCB Decachlorobiphenyl	*152*		*65 - 174*	*11/16/18 14:27*	*11/19/18 22:21*	*1*

Client Sample ID: B-1

Date Collected: 11/13/18 13:40
Date Received: 11/14/18 16:00

Lab Sample ID: 480-145287-5

Matrix: Solid
Percent Solids: 83.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		200	55	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
2,4,6-Trichlorophenol	ND		200	41	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
2,4-Dichlorophenol	ND		200	22	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
2,4-Dimethylphenol	ND		200	49	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1

Client Sample ID: B-1

Date Collected: 11/13/18 13:40
Date Received: 11/14/18 16:00

Lab Sample ID: 480-145287-5

Matrix: Solid
Percent Solids: 83.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrophenol	ND		2000	940	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
2,4-Dinitrotoluene	ND		200	42	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
2,6-Dinitrotoluene	ND		200	24	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
2-Chloronaphthalene	ND		200	34	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
2-Chlorophenol	ND		200	37	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
2-Methylnaphthalene	ND		200	41	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
2-Methylphenol	ND		200	24	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
2-Nitroaniline	ND		400	30	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
2-Nitrophenol	ND		200	58	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
3,3'-Dichlorobenzidine	ND		400	240	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
3-Nitroaniline	ND		400	56	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
4,6-Dinitro-2-methylphenol	ND		400	200	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
4-Bromophenyl phenyl ether	ND		200	29	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
4-Chloro-3-methylphenol	ND		200	50	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
4-Chloroaniline	ND		200	50	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
4-Chlorophenyl phenyl ether	ND		200	25	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
4-Methylphenol	ND		400	24	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
4-Nitroaniline	ND		400	110	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
4-Nitrophenol	ND		400	140	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
Acenaphthene	ND		200	30	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
Acenaphthylene	ND		200	26	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
Acetophenone	ND		200	28	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
Anthracene	ND		200	50	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
Atrazine	ND		200	71	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
Benzaldehyde	ND		200	160	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
Benzo(a)anthracene	ND		200	20	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
Benzo(a)pyrene	ND		200	30	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
Benzo(b)fluoranthene	ND		200	32	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
Benzo(g,h,i)perylene	ND		200	22	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
Benzo(k)fluoranthene	ND		200	26	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
Biphenyl	ND		200	30	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
bis (2-chloroisopropyl) ether	ND		200	41	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
Bis(2-chloroethoxy)methane	ND		200	43	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
Bis(2-chloroethyl)ether	ND		200	26	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
Bis(2-ethylhexyl) phthalate	ND		200	69	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
Butyl benzyl phthalate	ND		200	34	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
Caprolactam	ND		200	61	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
Carbazole	ND		200	24	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
Chrysene	ND		200	46	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
Dibenz(a,h)anthracene	ND		200	36	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
Dibenzofuran	ND		200	24	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
Diethyl phthalate	ND		200	26	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
Dimethyl phthalate	**85**	**J**	200	24	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
Di-n-butyl phthalate	ND		200	35	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
Di-n-octyl phthalate	ND		200	24	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
Fluoranthene	ND		200	22	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
Fluorene	ND		200	24	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
Hexachlorobenzene	ND		200	28	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
Hexachlorobutadiene	ND		200	30	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1

Client Sample ID: B-1

Date Collected: 11/13/18 13:40
Date Received: 11/14/18 16:00

Lab Sample ID: 480-145287-5

Matrix: Solid
Percent Solids: 83.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		200	28	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
Hexachloroethane	ND		200	26	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
Indeno(1,2,3-cd)pyrene	ND		200	25	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
Isophorone	ND		200	43	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
Naphthalene	ND		200	26	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
Nitrobenzene	ND		200	23	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
N-Nitrosodi-n-propylamine	ND		200	35	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
N-Nitrosodiphenylamine	ND		200	170	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
Pentachlorophenol	ND		400	200	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
Phenanthrene	ND		200	30	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
Phenol	ND		200	31	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1
Pyrene	ND		200	24	ug/Kg	☼	11/15/18 14:22	11/20/18 17:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*78*		*54 - 120*	*11/15/18 14:22*	*11/20/18 17:25*	*1*
2-Fluorobiphenyl	*101*		*60 - 120*	*11/15/18 14:22*	*11/20/18 17:25*	*1*
2-Fluorophenol	*88*		*52 - 120*	*11/15/18 14:22*	*11/20/18 17:25*	*1*
Nitrobenzene-d5	*93*		*53 - 120*	*11/15/18 14:22*	*11/20/18 17:25*	*1*
Phenol-d5	*90*		*54 - 120*	*11/15/18 14:22*	*11/20/18 17:25*	*1*
p-Terphenyl-d14	*119*		*65 - 121*	*11/15/18 14:22*	*11/20/18 17:25*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1221	ND		240	47	ug/Kg	☼	11/16/18 14:27	11/19/18 22:38	1
PCB-1242	ND		240	47	ug/Kg	☼	11/16/18 14:27	11/19/18 22:38	1
PCB-1254	ND		240	110	ug/Kg	☼	11/16/18 14:27	11/19/18 22:38	1
PCB-1260	ND		240	110	ug/Kg	☼	11/16/18 14:27	11/19/18 22:38	1
PCB-1016	ND		240	47	ug/Kg	☼	11/16/18 14:27	11/19/18 22:38	1
PCB-1248	ND		240	47	ug/Kg	☼	11/16/18 14:27	11/19/18 22:38	1
PCB-1232	ND		240	47	ug/Kg	☼	11/16/18 14:27	11/19/18 22:38	1
PCB-1262	ND		240	110	ug/Kg	☼	11/16/18 14:27	11/19/18 22:38	1
PCB-1268	ND		240	110	ug/Kg	☼	11/16/18 14:27	11/19/18 22:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*128*		*60 - 154*	*11/16/18 14:27*	*11/19/18 22:38*	*1*
Tetrachloro-m-xylene	*96*		*60 - 154*	*11/16/18 14:27*	*11/19/18 22:38*	*1*
DCB Decachlorobiphenyl	*115*		*65 - 174*	*11/16/18 14:27*	*11/19/18 22:38*	*1*
DCB Decachlorobiphenyl	*139*		*65 - 174*	*11/16/18 14:27*	*11/19/18 22:38*	*1*

Client Sample ID: SW-05

Date Collected: 11/13/18 14:40
Date Received: 11/14/18 16:00

Lab Sample ID: 480-145287-6

Matrix: Solid
Percent Solids: 85.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		190	52	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
2,4,6-Trichlorophenol	ND		190	39	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
2,4-Dichlorophenol	ND		190	20	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
2,4-Dimethylphenol	ND		190	47	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
2,4-Dinitrophenol	ND		1900	890	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1

Client Sample ID: SW-05

Date Collected: 11/13/18 14:40
Date Received: 11/14/18 16:00

Lab Sample ID: 480-145287-6

Matrix: Solid
Percent Solids: 85.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		190	40	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
2,6-Dinitrotoluene	ND		190	23	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
2-Chloronaphthalene	ND		190	32	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
2-Chlorophenol	ND		190	35	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
2-Methylnaphthalene	ND		190	39	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
2-Methylphenol	ND		190	23	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
2-Nitroaniline	ND		370	28	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
2-Nitrophenol	ND		190	54	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
3,3'-Dichlorobenzidine	ND		370	230	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
3-Nitroaniline	ND		370	53	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
4,6-Dinitro-2-methylphenol	ND		370	190	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
4-Bromophenyl phenyl ether	ND		190	27	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
4-Chloro-3-methylphenol	ND		190	48	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
4-Chloroaniline	ND		190	48	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
4-Chlorophenyl phenyl ether	ND		190	24	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
4-Methylphenol	ND		370	23	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
4-Nitroaniline	ND		370	100	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
4-Nitrophenol	ND		370	140	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
Acenaphthene	ND		190	28	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
Acenaphthylene	ND		190	25	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
Acetophenone	ND		190	26	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
Anthracene	ND		190	48	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
Atrazine	ND		190	67	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
Benzaldehyde	ND		190	150	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
Benzo(a)anthracene	ND		190	19	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
Benzo(a)pyrene	ND		190	28	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
Benzo(b)fluoranthene	ND		190	31	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
Benzo(g,h,i)perylene	ND		190	20	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
Benzo(k)fluoranthene	ND		190	25	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
Biphenyl	ND		190	28	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
bis (2-chloroisopropyl) ether	ND		190	39	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
Bis(2-chloroethoxy)methane	ND		190	41	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
Bis(2-chloroethyl)ether	ND		190	25	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
Bis(2-ethylhexyl) phthalate	ND		190	66	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
Butyl benzyl phthalate	ND		190	32	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
Caprolactam	ND		190	58	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
Carbazole	ND		190	23	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
Chrysene	ND		190	43	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
Dibenz(a,h)anthracene	ND		190	34	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
Dibenzofuran	ND		190	23	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
Diethyl phthalate	ND		190	25	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
Dimethyl phthalate	ND		190	23	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
Di-n-butyl phthalate	ND		190	33	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
Di-n-octyl phthalate	ND		190	23	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
Fluoranthene	**24**	**J**	190	20	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
Fluorene	ND		190	23	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
Hexachlorobenzene	ND		190	26	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
Hexachlorobutadiene	ND		190	28	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
Hexachlorocyclopentadiene	ND		190	26	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1

Client Sample ID: SW-05

Date Collected: 11/13/18 14:40
Date Received: 11/14/18 16:00

Lab Sample ID: 480-145287-6

Matrix: Solid
Percent Solids: 85.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		190	25	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
Indeno(1,2,3-cd)pyrene	ND		190	24	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
Isophorone	ND		190	41	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
Naphthalene	ND		190	25	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
Nitrobenzene	ND		190	22	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
N-Nitrosodi-n-propylamine	ND		190	33	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
N-Nitrosodiphenylamine	ND		190	160	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
Pentachlorophenol	ND		370	190	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
Phenanthrene	ND		190	28	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
Phenol	ND		190	30	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1
Pyrene	ND		190	23	ug/Kg	☼	11/15/18 14:22	11/20/18 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*90*		*54 - 120*	*11/15/18 14:22*	*11/20/18 17:52*	*1*
2-Fluorobiphenyl	*96*		*60 - 120*	*11/15/18 14:22*	*11/20/18 17:52*	*1*
2-Fluorophenol	*84*		*52 - 120*	*11/15/18 14:22*	*11/20/18 17:52*	*1*
Nitrobenzene-d5	*88*		*53 - 120*	*11/15/18 14:22*	*11/20/18 17:52*	*1*
Phenol-d5	*87*		*54 - 120*	*11/15/18 14:22*	*11/20/18 17:52*	*1*
p-Terphenyl-d14	*113*		*65 - 121*	*11/15/18 14:22*	*11/20/18 17:52*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1221	ND		240	47	ug/Kg	☼	11/16/18 14:27	11/19/18 22:53	1
PCB-1242	ND		240	47	ug/Kg	☼	11/16/18 14:27	11/19/18 22:53	1
PCB-1254	ND		240	110	ug/Kg	☼	11/16/18 14:27	11/19/18 22:53	1
PCB-1260	ND		240	110	ug/Kg	☼	11/16/18 14:27	11/19/18 22:53	1
PCB-1016	ND		240	47	ug/Kg	☼	11/16/18 14:27	11/19/18 22:53	1
PCB-1248	ND		240	47	ug/Kg	☼	11/16/18 14:27	11/19/18 22:53	1
PCB-1232	ND		240	47	ug/Kg	☼	11/16/18 14:27	11/19/18 22:53	1
PCB-1262	ND		240	110	ug/Kg	☼	11/16/18 14:27	11/19/18 22:53	1
PCB-1268	ND		240	110	ug/Kg	☼	11/16/18 14:27	11/19/18 22:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*138*		*60 - 154*	*11/16/18 14:27*	*11/19/18 22:53*	*1*
Tetrachloro-m-xylene	*98*		*60 - 154*	*11/16/18 14:27*	*11/19/18 22:53*	*1*
DCB Decachlorobiphenyl	*126*		*65 - 174*	*11/16/18 14:27*	*11/19/18 22:53*	*1*
DCB Decachlorobiphenyl	*150*		*65 - 174*	*11/16/18 14:27*	*11/19/18 22:53*	*1*

Client Sample ID: B-2

Date Collected: 11/13/18 14:45
Date Received: 11/14/18 16:00

Lab Sample ID: 480-145287-7

Matrix: Solid
Percent Solids: 85.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		200	53	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
2,4,6-Trichlorophenol	ND		200	39	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
2,4-Dichlorophenol	ND		200	21	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
2,4-Dimethylphenol	ND		200	47	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
2,4-Dinitrophenol	ND		1900	910	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
2,4-Dinitrotoluene	ND		200	40	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1

Client Sample ID: B-2

Date Collected: 11/13/18 14:45
Date Received: 11/14/18 16:00

Lab Sample ID: 480-145287-7

Matrix: Solid
Percent Solids: 85.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		200	23	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
2-Chloronaphthalene	ND		200	32	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
2-Chlorophenol	ND		200	36	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
2-Methylnaphthalene	**120**	**J**	200	39	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
2-Methylphenol	ND		200	23	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
2-Nitroaniline	ND		380	29	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
2-Nitrophenol	ND		200	56	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
3,3'-Dichlorobenzidine	ND		380	230	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
3-Nitroaniline	ND		380	54	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
4,6-Dinitro-2-methylphenol	ND		380	200	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
4-Bromophenyl phenyl ether	ND		200	28	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
4-Chloro-3-methylphenol	ND		200	49	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
4-Chloroaniline	ND		200	49	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
4-Chlorophenyl phenyl ether	ND		200	24	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
4-Methylphenol	ND		380	23	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
4-Nitroaniline	ND		380	100	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
4-Nitrophenol	ND		380	140	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
Acenaphthene	ND		200	29	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
Acenaphthylene	ND		200	25	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
Acetophenone	ND		200	27	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
Anthracene	ND		200	49	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
Atrazine	ND		200	68	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
Benzaldehyde	ND		200	160	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
Benzo(a)anthracene	**27**	**J**	200	20	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
Benzo(a)pyrene	ND		200	29	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
Benzo(b)fluoranthene	ND		200	31	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
Benzo(g,h,i)perylene	ND		200	21	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
Benzo(k)fluoranthene	ND		200	25	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
Biphenyl	**230**		200	29	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
bis (2-chloroisopropyl) ether	ND		200	39	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
Bis(2-chloroethoxy)methane	ND		200	42	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
Bis(2-chloroethyl)ether	ND		200	25	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
Bis(2-ethylhexyl) phthalate	ND		200	67	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
Butyl benzyl phthalate	ND		200	32	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
Caprolactam	ND		200	59	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
Carbazole	ND		200	23	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
Chrysene	ND		200	44	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
Dibenz(a,h)anthracene	ND		200	35	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
Dibenzofuran	**59**	**J**	200	23	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
Diethyl phthalate	ND		200	25	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
Dimethyl phthalate	ND		200	23	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
Di-n-butyl phthalate	ND		200	34	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
Di-n-octyl phthalate	ND		200	23	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
Fluoranthene	**110**	**J**	200	21	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
Fluorene	**72**	**J**	200	23	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
Hexachlorobenzene	ND		200	27	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
Hexachlorobutadiene	ND		200	29	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
Hexachlorocyclopentadiene	ND		200	27	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
Hexachloroethane	ND		200	25	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1

Client Sample ID: B-2

Date Collected: 11/13/18 14:45
Date Received: 11/14/18 16:00

Lab Sample ID: 480-145287-7
Matrix: Solid
Percent Solids: 85.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno(1,2,3-cd)pyrene	ND		200	24	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
Isophorone	ND		200	42	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
Naphthalene	**87**	**J**	200	25	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
Nitrobenzene	ND		200	22	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
N-Nitrosodi-n-propylamine	ND		200	34	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
N-Nitrosodiphenylamine	ND		200	160	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
Pentachlorophenol	ND		380	200	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
Phenanthrene	**270**		200	29	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
Phenol	ND		200	30	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1
Pyrene	**86**	**J**	200	23	ug/Kg	☼	11/15/18 14:22	11/20/18 18:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*89*		*54 - 120*	*11/15/18 14:22*	*11/20/18 18:20*	*1*
2-Fluorobiphenyl	*106*		*60 - 120*	*11/15/18 14:22*	*11/20/18 18:20*	*1*
2-Fluorophenol	*92*		*52 - 120*	*11/15/18 14:22*	*11/20/18 18:20*	*1*
Nitrobenzene-d5	*98*		*53 - 120*	*11/15/18 14:22*	*11/20/18 18:20*	*1*
Phenol-d5	*95*		*54 - 120*	*11/15/18 14:22*	*11/20/18 18:20*	*1*
p-Terphenyl-d14	*114*		*65 - 121*	*11/15/18 14:22*	*11/20/18 18:20*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1221	ND		270	52	ug/Kg	☼	11/16/18 14:27	11/19/18 23:09	1
PCB-1242	ND		270	52	ug/Kg	☼	11/16/18 14:27	11/19/18 23:09	1
PCB-1254	ND		270	120	ug/Kg	☼	11/16/18 14:27	11/19/18 23:09	1
PCB-1260	ND		270	120	ug/Kg	☼	11/16/18 14:27	11/19/18 23:09	1
PCB-1016	ND		270	52	ug/Kg	☼	11/16/18 14:27	11/19/18 23:09	1
PCB-1248	ND		270	52	ug/Kg	☼	11/16/18 14:27	11/19/18 23:09	1
PCB-1232	ND		270	52	ug/Kg	☼	11/16/18 14:27	11/19/18 23:09	1
PCB-1262	ND		270	120	ug/Kg	☼	11/16/18 14:27	11/19/18 23:09	1
PCB-1268	ND		270	120	ug/Kg	☼	11/16/18 14:27	11/19/18 23:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*129*		*60 - 154*	*11/16/18 14:27*	*11/19/18 23:09*	*1*
Tetrachloro-m-xylene	*92*		*60 - 154*	*11/16/18 14:27*	*11/19/18 23:09*	*1*
DCB Decachlorobiphenyl	*128*		*65 - 174*	*11/16/18 14:27*	*11/19/18 23:09*	*1*
DCB Decachlorobiphenyl	*157*		*65 - 174*	*11/16/18 14:27*	*11/19/18 23:09*	*1*

Client Sample ID: SW-06

Date Collected: 11/13/18 16:35
Date Received: 11/14/18 16:00

Lab Sample ID: 480-145287-8
Matrix: Solid
Percent Solids: 88.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		190	50	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
2,4,6-Trichlorophenol	ND		190	37	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
2,4-Dichlorophenol	ND		190	20	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
2,4-Dimethylphenol	ND		190	45	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
2,4-Dinitrophenol	ND		1800	860	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
2,4-Dinitrotoluene	ND		190	38	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
2,6-Dinitrotoluene	ND		190	22	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1

Client Sample ID: SW-06

Date Collected: 11/13/18 16:35
Date Received: 11/14/18 16:00

Lab Sample ID: 480-145287-8

Matrix: Solid
Percent Solids: 88.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	ND		190	31	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
2-Chlorophenol	ND		190	34	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
2-Methylnaphthalene	**50**	**J**	190	37	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
2-Methylphenol	ND		190	22	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
2-Nitroaniline	ND		360	27	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
2-Nitrophenol	ND		190	53	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
3,3'-Dichlorobenzidine	ND		360	220	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
3-Nitroaniline	ND		360	52	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
4,6-Dinitro-2-methylphenol	ND		360	190	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
4-Bromophenyl phenyl ether	ND		190	26	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
4-Chloro-3-methylphenol	ND		190	46	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
4-Chloroaniline	ND		190	46	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
4-Chlorophenyl phenyl ether	ND		190	23	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
4-Methylphenol	ND		360	22	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
4-Nitroaniline	ND		360	98	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
4-Nitrophenol	ND		360	130	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
Acenaphthene	ND		190	27	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
Acenaphthylene	ND		190	24	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
Acetophenone	ND		190	25	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
Anthracene	ND		190	46	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
Atrazine	ND		190	65	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
Benzaldehyde	ND		190	150	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
Benzo(a)anthracene	ND		190	19	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
Benzo(a)pyrene	ND		190	27	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
Benzo(b)fluoranthene	ND		190	30	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
Benzo(g,h,i)perylene	ND		190	20	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
Benzo(k)fluoranthene	ND		190	24	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
Biphenyl	**85**	**J**	190	27	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
bis (2-chloroisopropyl) ether	ND		190	37	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
Bis(2-chloroethoxy)methane	ND		190	40	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
Bis(2-chloroethyl)ether	ND		190	24	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
Bis(2-ethylhexyl) phthalate	ND		190	64	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
Butyl benzyl phthalate	ND		190	31	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
Caprolactam	ND		190	56	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
Carbazole	ND		190	22	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
Chrysene	ND		190	42	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
Dibenz(a,h)anthracene	ND		190	33	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
Dibenzofuran	ND		190	22	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
Diethyl phthalate	ND		190	24	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
Dimethyl phthalate	ND		190	22	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
Di-n-butyl phthalate	ND		190	32	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
Di-n-octyl phthalate	ND		190	22	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
Fluoranthene	**38**	**J**	190	20	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
Fluorene	**23**	**J**	190	22	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
Hexachlorobenzene	ND		190	25	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
Hexachlorobutadiene	ND		190	27	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
Hexachlorocyclopentadiene	ND		190	25	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
Hexachloroethane	ND		190	24	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
Indeno(1,2,3-cd)pyrene	ND		190	23	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1

Client Sample ID: SW-06

Date Collected: 11/13/18 16:35
Date Received: 11/14/18 16:00

Lab Sample ID: 480-145287-8

Matrix: Solid
Percent Solids: 88.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	ND		190	40	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
Naphthalene	**31**	**J**	190	24	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
Nitrobenzene	ND		190	21	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
N-Nitrosodi-n-propylamine	ND		190	32	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
N-Nitrosodiphenylamine	ND		190	150	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
Pentachlorophenol	ND		360	190	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
Phenanthrene	**76**	**J**	190	27	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
Phenol	ND		190	29	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1
Pyrene	**32**	**J**	190	22	ug/Kg	☼	11/15/18 14:22	11/20/18 18:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*78*		*54 - 120*	*11/15/18 14:22*	*11/20/18 18:48*	*1*
2-Fluorobiphenyl	*101*		*60 - 120*	*11/15/18 14:22*	*11/20/18 18:48*	*1*
2-Fluorophenol	*85*		*52 - 120*	*11/15/18 14:22*	*11/20/18 18:48*	*1*
Nitrobenzene-d5	*92*		*53 - 120*	*11/15/18 14:22*	*11/20/18 18:48*	*1*
Phenol-d5	*89*		*54 - 120*	*11/15/18 14:22*	*11/20/18 18:48*	*1*
p-Terphenyl-d14	*116*		*65 - 121*	*11/15/18 14:22*	*11/20/18 18:48*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1221	ND		230	45	ug/Kg	☼	11/16/18 14:27	11/19/18 23:25	1
PCB-1242	ND		230	45	ug/Kg	☼	11/16/18 14:27	11/19/18 23:25	1
PCB-1254	ND		230	110	ug/Kg	☼	11/16/18 14:27	11/19/18 23:25	1
PCB-1260	ND		230	110	ug/Kg	☼	11/16/18 14:27	11/19/18 23:25	1
PCB-1016	ND		230	45	ug/Kg	☼	11/16/18 14:27	11/19/18 23:25	1
PCB-1248	**110**	**J**	230	45	ug/Kg	☼	11/16/18 14:27	11/19/18 23:25	1
PCB-1232	ND		230	45	ug/Kg	☼	11/16/18 14:27	11/19/18 23:25	1
PCB-1262	ND		230	110	ug/Kg	☼	11/16/18 14:27	11/19/18 23:25	1
PCB-1268	ND		230	110	ug/Kg	☼	11/16/18 14:27	11/19/18 23:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*129*		*60 - 154*	*11/16/18 14:27*	*11/19/18 23:25*	*1*
Tetrachloro-m-xylene	*105*		*60 - 154*	*11/16/18 14:27*	*11/19/18 23:25*	*1*
DCB Decachlorobiphenyl	*127*		*65 - 174*	*11/16/18 14:27*	*11/19/18 23:25*	*1*
DCB Decachlorobiphenyl	*157*		*65 - 174*	*11/16/18 14:27*	*11/19/18 23:25*	*1*

Surrogate Summary

Client: New York State D.E.C.
Project/Site: Tonawanda Forge #915274

TestAmerica Job ID: 480-145287-1

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHd14
Lab Sample ID	Client Sample ID	(54-120)	(60-120)	(52-120)	(53-120)	(54-120)	(65-121)
480-145287-1	SW-01	57	97	81	89	86	108
480-145287-2	SW-02	85	97	84	87	86	113
480-145287-3	SW-03	91	96	83	89	85	121
480-145287-4	SW-04	70	91	76	84	80	107
480-145287-5	B-1	78	101	88	93	90	119
480-145287-6	SW-05	90	96	84	88	87	113
480-145287-7	B-2	89	106	92	98	95	114
480-145287-8	SW-06	78	101	85	92	89	116
LCS 480-445849/2-A	Lab Control Sample	95	87	74	78	76	101
MB 480-445849/1-A	Method Blank	84	91	84	87	86	102

Surrogate Legend

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

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		TCX1	TCX2	DCBP1	DCBP2
Lab Sample ID	Client Sample ID	(60-154)	(60-154)	(65-174)	(65-174)
480-145287-1	SW-01	155 X	116	157	187 X
480-145287-2	SW-02	130	96	113	132
480-145287-3	SW-03	130	96	116	138
480-145287-4	SW-04	137	98	126	152
480-145287-5	B-1	128	96	115	139
480-145287-6	SW-05	138	98	126	150
480-145287-7	B-2	129	92	128	157
480-145287-8	SW-06	129	105	127	157
LCS 480-446128/2-A	Lab Control Sample	197 X	150	172	213 X
MB 480-446128/1-A	Method Blank	179 X	142	163	199 X

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

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

Lab Sample ID: MB 480-445849/1-A
Matrix: Solid
Analysis Batch: 446419

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 445849

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		170	45	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
2,4,6-Trichlorophenol	ND		170	33	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
2,4-Dichlorophenol	ND		170	18	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
2,4-Dimethylphenol	ND		170	40	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
2,4-Dinitrophenol	ND		1600	770	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
2,4-Dinitrotoluene	ND		170	34	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
2,6-Dinitrotoluene	ND		170	20	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
2-Chloronaphthalene	ND		170	27	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
2-Chlorophenol	ND		170	30	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
2-Methylnaphthalene	ND		170	33	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
2-Methylphenol	ND		170	20	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
2-Nitroaniline	ND		320	24	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
2-Nitrophenol	ND		170	47	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
3,3'-Dichlorobenzidine	ND		320	200	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
3-Nitroaniline	ND		320	46	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
4,6-Dinitro-2-methylphenol	ND		320	170	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
4-Bromophenyl phenyl ether	ND		170	23	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
4-Chloro-3-methylphenol	ND		170	41	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
4-Chloroaniline	ND		170	41	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
4-Chlorophenyl phenyl ether	ND		170	21	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
4-Methylphenol	ND		320	20	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
4-Nitroaniline	ND		320	87	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
4-Nitrophenol	ND		320	120	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
Acenaphthene	ND		170	24	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
Acenaphthylene	ND		170	21	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
Acetophenone	ND		170	22	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
Anthracene	ND		170	41	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
Atrazine	ND		170	58	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
Benzaldehyde	ND		170	130	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
Benzo(a)anthracene	ND		170	17	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
Benzo(a)pyrene	ND		170	24	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
Benzo(b)fluoranthene	ND		170	26	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
Benzo(g,h,i)perylene	ND		170	18	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
Benzo(k)fluoranthene	ND		170	21	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
Biphenyl	ND		170	24	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
bis (2-chloroisopropyl) ether	ND		170	33	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
Bis(2-chloroethoxy)methane	ND		170	35	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
Bis(2-chloroethyl)ether	ND		170	21	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
Bis(2-ethylhexyl) phthalate	ND		170	57	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
Butyl benzyl phthalate	ND		170	27	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
Caprolactam	ND		170	50	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
Carbazole	ND		170	20	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
Chrysene	ND		170	37	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
Dibenz(a,h)anthracene	ND		170	29	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
Dibenzofuran	ND		170	20	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
Diethyl phthalate	ND		170	21	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
Dimethyl phthalate	ND		170	20	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
Di-n-butyl phthalate	ND		170	28	ug/Kg		11/15/18 14:22	11/19/18 14:27	1

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

Lab Sample ID: MB 480-445849/1-A
Matrix: Solid
Analysis Batch: 446419

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 445849

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	ND		170	20	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
Fluoranthene	ND		170	18	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
Fluorene	ND		170	20	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
Hexachlorobenzene	ND		170	22	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
Hexachlorobutadiene	ND		170	24	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
Hexachlorocyclopentadiene	ND		170	22	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
Hexachloroethane	ND		170	21	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
Indeno(1,2,3-cd)pyrene	ND		170	21	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
Isophorone	ND		170	35	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
Naphthalene	ND		170	21	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
Nitrobenzene	ND		170	19	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
N-Nitrosodi-n-propylamine	ND		170	28	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
N-Nitrosodiphenylamine	ND		170	130	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
Pentachlorophenol	ND		320	170	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
Phenanthrene	ND		170	24	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
Phenol	ND		170	25	ug/Kg		11/15/18 14:22	11/19/18 14:27	1
Pyrene	ND		170	20	ug/Kg		11/15/18 14:22	11/19/18 14:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*84*		*54 - 120*	*11/15/18 14:22*	*11/19/18 14:27*	*1*
2-Fluorobiphenyl	*91*		*60 - 120*	*11/15/18 14:22*	*11/19/18 14:27*	*1*
2-Fluorophenol	*84*		*52 - 120*	*11/15/18 14:22*	*11/19/18 14:27*	*1*
Nitrobenzene-d5	*87*		*53 - 120*	*11/15/18 14:22*	*11/19/18 14:27*	*1*
Phenol-d5	*86*		*54 - 120*	*11/15/18 14:22*	*11/19/18 14:27*	*1*
p-Terphenyl-d14	*102*		*65 - 121*	*11/15/18 14:22*	*11/19/18 14:27*	*1*

Lab Sample ID: LCS 480-445849/2-A
Matrix: Solid
Analysis Batch: 446419

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 445849

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-Trichlorophenol	1660	1510		ug/Kg		91	59 - 126
2,4,6-Trichlorophenol	1660	1550		ug/Kg		93	59 - 123
2,4-Dichlorophenol	1660	1400		ug/Kg		84	61 - 120
2,4-Dimethylphenol	1660	1420		ug/Kg		85	59 - 120
2,4-Dinitrophenol	3320	2420		ug/Kg		73	41 - 146
2,4-Dinitrotoluene	1660	1550		ug/Kg		94	63 - 120
2,6-Dinitrotoluene	1660	1530		ug/Kg		92	66 - 120
2-Chloronaphthalene	1660	1480		ug/Kg		89	57 - 120
2-Chlorophenol	1660	1300		ug/Kg		78	53 - 120
2-Methylnaphthalene	1660	1420		ug/Kg		85	59 - 120
2-Methylphenol	1660	1330		ug/Kg		80	54 - 120
2-Nitroaniline	1660	1550		ug/Kg		93	61 - 120
2-Nitrophenol	1660	1320		ug/Kg		80	56 - 120
3,3'-Dichlorobenzidine	3320	2760		ug/Kg		83	54 - 120
3-Nitroaniline	1660	1320		ug/Kg		79	48 - 120
4,6-Dinitro-2-methylphenol	3320	2950		ug/Kg		89	49 - 122
4-Bromophenyl phenyl ether	1660	1570		ug/Kg		95	58 - 120

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

Lab Sample ID: LCS 480-445849/2-A
Matrix: Solid
Analysis Batch: 446419

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 445849

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chloro-3-methylphenol	1660	1490		ug/Kg		90	61 - 120
4-Chloroaniline	1660	1280		ug/Kg		77	38 - 120
4-Chlorophenyl phenyl ether	1660	1510		ug/Kg		91	63 - 124
4-Methylphenol	1660	1380		ug/Kg		83	55 - 120
4-Nitroaniline	1660	1430		ug/Kg		86	56 - 120
4-Nitrophenol	3320	3180		ug/Kg		96	43 - 147
Acenaphthene	1660	1470		ug/Kg		89	62 - 120
Acenaphthylene	1660	1530		ug/Kg		92	58 - 121
Acetophenone	1660	1340		ug/Kg		80	54 - 120
Anthracene	1660	1710		ug/Kg		103	62 - 120
Atrazine	3320	3090		ug/Kg		93	60 - 127
Benzaldehyde	3320	2130		ug/Kg		64	10 - 150
Benzo(a)anthracene	1660	1620		ug/Kg		97	65 - 120
Benzo(a)pyrene	1660	1670		ug/Kg		101	64 - 120
Benzo(b)fluoranthene	1660	1730		ug/Kg		104	64 - 120
Benzo(g,h,i)perylene	1660	1580		ug/Kg		95	45 - 145
Benzo(k)fluoranthene	1660	1640		ug/Kg		99	65 - 120
Biphenyl	1660	1550		ug/Kg		93	59 - 120
bis (2-chloroisopropyl) ether	1660	1260		ug/Kg		76	44 - 120
Bis(2-chloroethoxy)methane	1660	1360		ug/Kg		82	55 - 120
Bis(2-chloroethyl)ether	1660	1270		ug/Kg		77	45 - 120
Bis(2-ethylhexyl) phthalate	1660	1830		ug/Kg		110	61 - 133
Butyl benzyl phthalate	1660	1750		ug/Kg		106	61 - 129
Caprolactam	3320	2840		ug/Kg		86	47 - 120
Carbazole	1660	1680		ug/Kg		101	65 - 120
Chrysene	1660	1620		ug/Kg		98	64 - 120
Dibenz(a,h)anthracene	1660	1590		ug/Kg		96	54 - 132
Dibenzofuran	1660	1550		ug/Kg		93	63 - 120
Diethyl phthalate	1660	1640		ug/Kg		99	66 - 120
Dimethyl phthalate	1660	1620		ug/Kg		97	65 - 124
Di-n-butyl phthalate	1660	1800		ug/Kg		108	58 - 130
Di-n-octyl phthalate	1660	1820		ug/Kg		110	57 - 133
Fluoranthene	1660	1660		ug/Kg		100	62 - 120
Fluorene	1660	1590		ug/Kg		96	63 - 120
Hexachlorobenzene	1660	1550		ug/Kg		93	60 - 120
Hexachlorobutadiene	1660	1390		ug/Kg		84	45 - 120
Hexachlorocyclopentadiene	1660	1390		ug/Kg		84	47 - 120
Hexachloroethane	1660	1220		ug/Kg		74	41 - 120
Indeno(1,2,3-cd)pyrene	1660	1610		ug/Kg		97	56 - 134
Isophorone	1660	1440		ug/Kg		87	56 - 120
Naphthalene	1660	1370		ug/Kg		83	55 - 120
Nitrobenzene	1660	1350		ug/Kg		81	54 - 120
N-Nitrosodi-n-propylamine	1660	1330		ug/Kg		80	52 - 120
N-Nitrosodiphenylamine	1660	1670		ug/Kg		101	51 - 128
Pentachlorophenol	3320	3170		ug/Kg		95	51 - 120
Phenanthrene	1660	1660		ug/Kg		100	60 - 120
Phenol	1660	1330		ug/Kg		80	53 - 120
Pyrene	1660	1740		ug/Kg		105	61 - 133

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

Lab Sample ID: LCS 480-445849/2-A
Matrix: Solid
Analysis Batch: 446419

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 445849

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*95*		*54 - 120*
2-Fluorobiphenyl	*87*		*60 - 120*
2-Fluorophenol	*74*		*52 - 120*
Nitrobenzene-d5	*78*		*53 - 120*
Phenol-d5	*76*		*54 - 120*
p-Terphenyl-d14	*101*		*65 - 121*

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

Lab Sample ID: MB 480-446128/1-A
Matrix: Solid
Analysis Batch: 446375

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 446128

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1221	ND		250	48	ug/Kg		11/16/18 14:27	11/19/18 19:26	1
PCB-1242	ND		250	48	ug/Kg		11/16/18 14:27	11/19/18 19:26	1
PCB-1254	ND		250	110	ug/Kg		11/16/18 14:27	11/19/18 19:26	1
PCB-1260	ND		250	110	ug/Kg		11/16/18 14:27	11/19/18 19:26	1
PCB-1016	ND		250	48	ug/Kg		11/16/18 14:27	11/19/18 19:26	1
PCB-1248	ND		250	48	ug/Kg		11/16/18 14:27	11/19/18 19:26	1
PCB-1232	ND		250	48	ug/Kg		11/16/18 14:27	11/19/18 19:26	1
PCB-1262	ND		250	110	ug/Kg		11/16/18 14:27	11/19/18 19:26	1
PCB-1268	ND		250	110	ug/Kg		11/16/18 14:27	11/19/18 19:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*179*	*X*	*60 - 154*	*11/16/18 14:27*	*11/19/18 19:26*	*1*
Tetrachloro-m-xylene	*142*		*60 - 154*	*11/16/18 14:27*	*11/19/18 19:26*	*1*
DCB Decachlorobiphenyl	*163*		*65 - 174*	*11/16/18 14:27*	*11/19/18 19:26*	*1*
DCB Decachlorobiphenyl	*199*	*X*	*65 - 174*	*11/16/18 14:27*	*11/19/18 19:26*	*1*

Lab Sample ID: LCS 480-446128/2-A
Matrix: Solid
Analysis Batch: 446375

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 446128

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1260			2330	3390		ug/Kg		146	61 - 184		
PCB-1016			2330	3480		ug/Kg		150	51 - 185		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*197*	*X*	*60 - 154*
Tetrachloro-m-xylene	*150*		*60 - 154*
DCB Decachlorobiphenyl	*172*		*65 - 174*
DCB Decachlorobiphenyl	*213*	*X*	*65 - 174*

GC/MS Semi VOA

Prep Batch: 445849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145287-1	SW-01	Total/NA	Solid	3550C	
480-145287-2	SW-02	Total/NA	Solid	3550C	
480-145287-3	SW-03	Total/NA	Solid	3550C	
480-145287-4	SW-04	Total/NA	Solid	3550C	
480-145287-5	B-1	Total/NA	Solid	3550C	
480-145287-6	SW-05	Total/NA	Solid	3550C	
480-145287-7	B-2	Total/NA	Solid	3550C	
480-145287-8	SW-06	Total/NA	Solid	3550C	
MB 480-445849/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-445849/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 446419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145287-1	SW-01	Total/NA	Solid	8270D	445849
MB 480-445849/1-A	Method Blank	Total/NA	Solid	8270D	445849
LCS 480-445849/2-A	Lab Control Sample	Total/NA	Solid	8270D	445849

Analysis Batch: 446676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145287-2	SW-02	Total/NA	Solid	8270D	445849
480-145287-3	SW-03	Total/NA	Solid	8270D	445849
480-145287-4	SW-04	Total/NA	Solid	8270D	445849
480-145287-5	B-1	Total/NA	Solid	8270D	445849
480-145287-6	SW-05	Total/NA	Solid	8270D	445849
480-145287-7	B-2	Total/NA	Solid	8270D	445849
480-145287-8	SW-06	Total/NA	Solid	8270D	445849

GC Semi VOA

Prep Batch: 446128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145287-1	SW-01	Total/NA	Solid	3550C	
480-145287-2	SW-02	Total/NA	Solid	3550C	
480-145287-3	SW-03	Total/NA	Solid	3550C	
480-145287-4	SW-04	Total/NA	Solid	3550C	
480-145287-5	B-1	Total/NA	Solid	3550C	
480-145287-6	SW-05	Total/NA	Solid	3550C	
480-145287-7	B-2	Total/NA	Solid	3550C	
480-145287-8	SW-06	Total/NA	Solid	3550C	
MB 480-446128/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-446128/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 446375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145287-1	SW-01	Total/NA	Solid	8082A	446128
480-145287-2	SW-02	Total/NA	Solid	8082A	446128
480-145287-3	SW-03	Total/NA	Solid	8082A	446128
480-145287-4	SW-04	Total/NA	Solid	8082A	446128
480-145287-5	B-1	Total/NA	Solid	8082A	446128
480-145287-6	SW-05	Total/NA	Solid	8082A	446128

GC Semi VOA (Continued)

Analysis Batch: 446375 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145287-7	B-2	Total/NA	Solid	8082A	446128
480-145287-8	SW-06	Total/NA	Solid	8082A	446128
MB 480-446128/1-A	Method Blank	Total/NA	Solid	8082A	446128
LCS 480-446128/2-A	Lab Control Sample	Total/NA	Solid	8082A	446128

General Chemistry

Analysis Batch: 450206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145287-1	SW-01	Total/NA	Solid	Moisture	
480-145287-2	SW-02	Total/NA	Solid	Moisture	
480-145287-3	SW-03	Total/NA	Solid	Moisture	
480-145287-4	SW-04	Total/NA	Solid	Moisture	
480-145287-5	B-1	Total/NA	Solid	Moisture	
480-145287-6	SW-05	Total/NA	Solid	Moisture	
480-145287-7	B-2	Total/NA	Solid	Moisture	
480-145287-8	SW-06	Total/NA	Solid	Moisture	

Client Sample ID: SW-01
Date Collected: 11/13/18 13:45
Date Received: 11/14/18 16:00

Lab Sample ID: 480-145287-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	450206	12/11/18 12:59	KPK	TAL BUF

Client Sample ID: SW-01
Date Collected: 11/13/18 13:45
Date Received: 11/14/18 16:00

Lab Sample ID: 480-145287-1
Matrix: Solid
Percent Solids: 68.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			445849	11/15/18 14:22	SGD	TAL BUF
Total/NA	Analysis	8270D		1	446419	11/19/18 19:32	PJQ	TAL BUF
Total/NA	Prep	3550C			446128	11/16/18 14:27	SGD	TAL BUF
Total/NA	Analysis	8082A		1	446375	11/19/18 21:34	W1T	TAL BUF

Client Sample ID: SW-02
Date Collected: 11/13/18 13:50
Date Received: 11/14/18 16:00

Lab Sample ID: 480-145287-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	450206	12/11/18 12:59	KPK	TAL BUF

Client Sample ID: SW-02
Date Collected: 11/13/18 13:50
Date Received: 11/14/18 16:00

Lab Sample ID: 480-145287-2
Matrix: Solid
Percent Solids: 75.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			445849	11/15/18 14:22	SGD	TAL BUF
Total/NA	Analysis	8270D		1	446676	11/20/18 16:00	PJQ	TAL BUF
Total/NA	Prep	3550C			446128	11/16/18 14:27	SGD	TAL BUF
Total/NA	Analysis	8082A		1	446375	11/19/18 21:50	W1T	TAL BUF

Client Sample ID: SW-03
Date Collected: 11/13/18 13:55
Date Received: 11/14/18 16:00

Lab Sample ID: 480-145287-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	450206	12/11/18 12:59	KPK	TAL BUF

Client Sample ID: SW-03
Date Collected: 11/13/18 13:55
Date Received: 11/14/18 16:00

Lab Sample ID: 480-145287-3
Matrix: Solid
Percent Solids: 74.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			445849	11/15/18 14:22	SGD	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Tonawanda Forge #915274

TestAmerica Job ID: 480-145287-1

Client Sample ID: SW-03
Date Collected: 11/13/18 13:55
Date Received: 11/14/18 16:00

Lab Sample ID: 480-145287-3
Matrix: Solid
Percent Solids: 74.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8270D		1	446676	11/20/18 16:29	PJQ	TAL BUF
Total/NA	Prep	3550C			446128	11/16/18 14:27	SGD	TAL BUF
Total/NA	Analysis	8082A		1	446375	11/19/18 22:06	W1T	TAL BUF

Client Sample ID: SW-04
Date Collected: 11/13/18 14:35
Date Received: 11/14/18 16:00

Lab Sample ID: 480-145287-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	450206	12/11/18 12:59	KPK	TAL BUF

Client Sample ID: SW-04
Date Collected: 11/13/18 14:35
Date Received: 11/14/18 16:00

Lab Sample ID: 480-145287-4
Matrix: Solid
Percent Solids: 83.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			445849	11/15/18 14:22	SGD	TAL BUF
Total/NA	Analysis	8270D		1	446676	11/20/18 16:57	PJQ	TAL BUF
Total/NA	Prep	3550C			446128	11/16/18 14:27	SGD	TAL BUF
Total/NA	Analysis	8082A		1	446375	11/19/18 22:21	W1T	TAL BUF

Client Sample ID: B-1
Date Collected: 11/13/18 13:40
Date Received: 11/14/18 16:00

Lab Sample ID: 480-145287-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	450206	12/11/18 12:59	KPK	TAL BUF

Client Sample ID: B-1
Date Collected: 11/13/18 13:40
Date Received: 11/14/18 16:00

Lab Sample ID: 480-145287-5
Matrix: Solid
Percent Solids: 83.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			445849	11/15/18 14:22	SGD	TAL BUF
Total/NA	Analysis	8270D		1	446676	11/20/18 17:25	PJQ	TAL BUF
Total/NA	Prep	3550C			446128	11/16/18 14:27	SGD	TAL BUF
Total/NA	Analysis	8082A		1	446375	11/19/18 22:38	W1T	TAL BUF

Client Sample ID: SW-05
Date Collected: 11/13/18 14:40
Date Received: 11/14/18 16:00

Lab Sample ID: 480-145287-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	450206	12/11/18 12:59	KPK	TAL BUF

Client Sample ID: SW-05
Date Collected: 11/13/18 14:40
Date Received: 11/14/18 16:00

Lab Sample ID: 480-145287-6
Matrix: Solid
Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			445849	11/15/18 14:22	SGD	TAL BUF
Total/NA	Analysis	8270D		1	446676	11/20/18 17:52	PJQ	TAL BUF
Total/NA	Prep	3550C			446128	11/16/18 14:27	SGD	TAL BUF
Total/NA	Analysis	8082A		1	446375	11/19/18 22:53	W1T	TAL BUF

Client Sample ID: B-2
Date Collected: 11/13/18 14:45
Date Received: 11/14/18 16:00

Lab Sample ID: 480-145287-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	450206	12/11/18 12:59	KPK	TAL BUF

Client Sample ID: B-2
Date Collected: 11/13/18 14:45
Date Received: 11/14/18 16:00

Lab Sample ID: 480-145287-7
Matrix: Solid
Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			445849	11/15/18 14:22	SGD	TAL BUF
Total/NA	Analysis	8270D		1	446676	11/20/18 18:20	PJQ	TAL BUF
Total/NA	Prep	3550C			446128	11/16/18 14:27	SGD	TAL BUF
Total/NA	Analysis	8082A		1	446375	11/19/18 23:09	W1T	TAL BUF

Client Sample ID: SW-06
Date Collected: 11/13/18 16:35
Date Received: 11/14/18 16:00

Lab Sample ID: 480-145287-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	450206	12/11/18 12:59	KPK	TAL BUF

Client Sample ID: SW-06
Date Collected: 11/13/18 16:35
Date Received: 11/14/18 16:00

Lab Sample ID: 480-145287-8
Matrix: Solid
Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			445849	11/15/18 14:22	SGD	TAL BUF

Client Sample ID: SW-06

Date Collected: 11/13/18 16:35
Date Received: 11/14/18 16:00

Lab Sample ID: 480-145287-8

Matrix: Solid
Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8270D		1	446676	11/20/18 18:48	PJQ	TAL BUF
Total/NA	Prep	3550C			446128	11/16/18 14:27	SGD	TAL BUF
Total/NA	Analysis	8082A		1	446375	11/19/18 23:25	W1T	TAL BUF

Laboratory References:

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

Method Summary

Client: New York State D.E.C.
Project/Site: Tonawanda Forge #915274

TestAmerica Job ID: 480-145287-1

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
3550C	Ultrasonic Extraction	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Accreditation/Certification Summary

Client: New York State D.E.C. TestAmerica Job ID: 480-145287-1
Project/Site: Tonawanda Forge #915274

Laboratory: TestAmerica Buffalo

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

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-19

The following analytes are included in this report, but accreditation/certification is not offered by the governing authority:

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

Method 8270D

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

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): RXI-5Sil MS ID: 0.25(mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPHd14 #
SW-01	480-145287-1	81	86	89	97	57	108
SW-02	480-145287-2	84	86	87	97	85	113
SW-03	480-145287-3	83	85	89	96	91	121
SW-04	480-145287-4	76	80	84	91	70	107
B-1	480-145287-5	88	90	93	101	78	119
SW-05	480-145287-6	84	87	88	96	90	113
B-2	480-145287-7	92	95	98	106	89	114
SW-06	480-145287-8	85	89	92	101	78	116
	MB 480-445849/1-A	84	86	87	91	84	102
	LCS 480-445849/2-A	74	76	78	87	95	101

	QC LIMITS
2FP = 2-Fluorophenol	52-120
PHL = Phenol-d5	54-120
NBZ = Nitrobenzene-d5	53-120
FBP = 2-Fluorobiphenyl	60-120
TBP = 2,4,6-Tribromophenol	54-120
TPHd14 = p-Terphenyl-d14	65-121

Column to be used to flag recovery values

FORM II 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: V313111.D

Lab ID: LCS 480-445849/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
2,4,5-Trichlorophenol	1660	1510	91	59-126	
2,4,6-Trichlorophenol	1660	1550	93	59-123	
2,4-Dichlorophenol	1660	1400	84	61-120	
2,4-Dimethylphenol	1660	1420	85	59-120	
2,4-Dinitrophenol	3320	2420	73	41-146	
2,4-Dinitrotoluene	1660	1550	94	63-120	
2,6-Dinitrotoluene	1660	1530	92	66-120	
2-Chloronaphthalene	1660	1480	89	57-120	
2-Chlorophenol	1660	1300	78	53-120	
2-Methylnaphthalene	1660	1420	85	59-120	
2-Methylphenol	1660	1330	80	54-120	
2-Nitroaniline	1660	1550	93	61-120	
2-Nitrophenol	1660	1320	80	56-120	
3,3'-Dichlorobenzidine	3320	2760	83	54-120	
3-Nitroaniline	1660	1320	79	48-120	
4,6-Dinitro-2-methylphenol	3320	2950	89	49-122	
4-Bromophenyl phenyl ether	1660	1570	95	58-120	
4-Chloro-3-methylphenol	1660	1490	90	61-120	
4-Chloroaniline	1660	1280	77	38-120	
4-Chlorophenyl phenyl ether	1660	1510	91	63-124	
4-Methylphenol	1660	1380	83	55-120	
4-Nitroaniline	1660	1430	86	56-120	
4-Nitrophenol	3320	3180	96	43-147	
Acenaphthene	1660	1470	89	62-120	
Acenaphthylene	1660	1530	92	58-121	
Acetophenone	1660	1340	80	54-120	
Anthracene	1660	1710	103	62-120	
Atrazine	3320	3090	93	60-127	
Benzaldehyde	3320	2130	64	10-150	
Benzo(a)anthracene	1660	1620	97	65-120	
Benzo(a)pyrene	1660	1670	101	64-120	
Benzo(b)fluoranthene	1660	1730	104	64-120	
Benzo(g,h,i)perylene	1660	1580	95	45-145	
Benzo(k)fluoranthene	1660	1640	99	65-120	
Biphenyl	1660	1550	93	59-120	
bis (2-chloroisopropyl) ether	1660	1260	76	44-120	
Bis(2-chloroethoxy)methane	1660	1360	82	55-120	
Bis(2-chloroethyl)ether	1660	1270	77	45-120	
Bis(2-ethylhexyl) phthalate	1660	1830	110	61-133	
Butyl benzyl phthalate	1660	1750	106	61-129	
Caprolactam	3320	2840	86	47-120	
Carbazole	1660	1680	101	65-120	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: V313111.D

Lab ID: LCS 480-445849/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Chrysene	1660	1620	98	64-120	
Dibenz(a,h)anthracene	1660	1590	96	54-132	
Dibenzofuran	1660	1550	93	63-120	
Diethyl phthalate	1660	1640	99	66-120	
Dimethyl phthalate	1660	1620	97	65-124	
Di-n-butyl phthalate	1660	1800	108	58-130	
Di-n-octyl phthalate	1660	1820	110	57-133	
Fluoranthene	1660	1660	100	62-120	
Fluorene	1660	1590	96	63-120	
Hexachlorobenzene	1660	1550	93	60-120	
Hexachlorobutadiene	1660	1390	84	45-120	
Hexachlorocyclopentadiene	1660	1390	84	47-120	
Hexachloroethane	1660	1220	74	41-120	
Indeno(1,2,3-cd)pyrene	1660	1610	97	56-134	
Isophorone	1660	1440	87	56-120	
Naphthalene	1660	1370	83	55-120	
Nitrobenzene	1660	1350	81	54-120	
N-Nitrosodi-n-propylamine	1660	1330	80	52-120	
N-Nitrosodiphenylamine	1660	1670	101	51-128	
Pentachlorophenol	3320	3170	95	51-120	
Phenanthrene	1660	1660	100	60-120	
Phenol	1660	1330	80	53-120	
Pyrene	1660	1740	105	61-133	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Lab File ID: V313110.D Lab Sample ID: MB 480-445849/1-A

Matrix: Solid Date Extracted: 11/15/2018 14:22

Instrument ID: HP5973V Date Analyzed: 11/19/2018 14:27

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-445849/2-A	V313111.D	11/19/2018 14:55
SW-01	480-145287-1	V313121.D	11/19/2018 19:32
SW-02	480-145287-2	V313127.D	11/20/2018 16:00
SW-03	480-145287-3	V313128.D	11/20/2018 16:29
SW-04	480-145287-4	V313129.D	11/20/2018 16:57
B-1	480-145287-5	V313130.D	11/20/2018 17:25
SW-05	480-145287-6	V313131.D	11/20/2018 17:52
B-2	480-145287-7	V313132.D	11/20/2018 18:20
SW-06	480-145287-8	V313133.D	11/20/2018 18:48

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Lab File ID: V313033.D DFTPP Injection Date: 11/14/2018

Instrument ID: HP5973V DFTPP Injection Time: 15:01

Analysis Batch No.: 445539

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	45.3	
68	Less than 2% of mass 69	0.0	(0.0) 1
69	Mass 69 Relative abundance	40.7	
70	Less than 2% of mass 69	0.1	(0.3) 1
127	10-80% of Base Peak	49.1	
197	Less than 2% of mass 198	0.0	
198	Base peak	100.0	
199	5-9% of mass 198	6.2	
275	10-60% of Base Peak	20.5	
365	Greater than 1% of mass 198	2.8	
441	present but less than 24% of mass 442	12.6	(15.6) 2
442	Greater than 50% of mass 198	80.7	
443	15-24% of mass 442	14.9	(18.4) 2

1-Value is % mass 69 2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-445539/3	V313034.D	11/14/2018	15:29
	IC 480-445539/4	V313035.D	11/14/2018	15:57
	IC 480-445539/5	V313036.D	11/14/2018	16:24
	IC 480-445539/6	V313037.D	11/14/2018	16:52
	ICIS 480-445539/7	V313038.D	11/14/2018	17:19
	IC 480-445539/8	V313039.D	11/14/2018	17:47
	IC 480-445539/9	V313040.D	11/14/2018	18:14
	IC 480-445539/10	V313041.D	11/14/2018	18:42

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Lab File ID: V313107.D DFTPP Injection Date: 11/19/2018

Instrument ID: HP5973V DFTPP Injection Time: 13:03

Analysis Batch No.: 446419

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	45.8	
68	Less than 2% of mass 69	0.3	(0.7) 1
69	Mass 69 Relative abundance	42.2	
70	Less than 2% of mass 69	0.0	(0.0) 1
127	10-80% of Base Peak	52.1	
197	Less than 2% of mass 198	0.6	
198	Base peak	100.0	
199	5-9% of mass 198	6.9	
275	10-60% of Base Peak	20.5	
365	Greater than 1% of mass 198	2.6	
441	present but less than 24% of mass 442	11.1	(14.8) 2
442	Greater than 50% of mass 198	74.6	
443	15-24% of mass 442	15.3	(20.5) 2

1-Value is % mass 69 2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-446419/4	V313108.D	11/19/2018	13:31
	MB 480-445849/1-A	V313110.D	11/19/2018	14:27
	LCS 480-445849/2-A	V313111.D	11/19/2018	14:55
SW-01	480-145287-1	V313121.D	11/19/2018	19:32

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Lab File ID: V313124.D DFTPP Injection Date: 11/20/2018

Instrument ID: HP5973V DFTPP Injection Time: 14:36

Analysis Batch No.: 446676

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	48.1	
68	Less than 2% of mass 69	0.2	(0.4) 1
69	Mass 69 Relative abundance	44.2	
70	Less than 2% of mass 69	0.3	(0.6) 1
127	10-80% of Base Peak	52.2	
197	Less than 2% of mass 198	0.0	
198	Base peak	100.0	
199	5-9% of mass 198	7.6	
275	10-60% of Base Peak	20.8	
365	Greater than 1% of mass 198	2.8	
441	present but less than 24% of mass 442	11.1	(15.0) 2
442	Greater than 50% of mass 198	74.0	
443	15-24% of mass 442	15.3	(20.7) 2

1-Value is % mass 69 2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-446676/3	V313125.D	11/20/2018	15:04
SW-02	480-145287-2	V313127.D	11/20/2018	16:00
SW-03	480-145287-3	V313128.D	11/20/2018	16:29
SW-04	480-145287-4	V313129.D	11/20/2018	16:57
B-1	480-145287-5	V313130.D	11/20/2018	17:25
SW-05	480-145287-6	V313131.D	11/20/2018	17:52
B-2	480-145287-7	V313132.D	11/20/2018	18:20
SW-06	480-145287-8	V313133.D	11/20/2018	18:48

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

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Sample No.: ICIS 480-445539/7 Date Analyzed: 11/14/2018 17:19

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): V313038.D Heated Purge: (Y/N) N

Calibration ID: 35378

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		237872	6.84	878243	8.36	438275	10.41
UPPER LIMIT		475744	7.34	1756486	8.86	876550	10.91
LOWER LIMIT		118936	6.34	439122	7.86	219138	9.91
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-446419/4		218543	6.84	809812	8.36	395903	10.42
CCVIS 480-446676/3		275529	6.84	1000448	8.36	488916	10.42

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Sample No.: ICIS 480-445539/7 Date Analyzed: 11/14/2018 17:19

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): V313038.D Heated Purge: (Y/N) N

Calibration ID: 35378

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		740536	11.92	708715	14.32	715489	15.89
UPPER LIMIT		1481072	12.42	1417430	14.82	1430978	16.39
LOWER LIMIT		370268	11.42	354358	13.82	357745	15.39
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-446419/4		667231	11.93	615650	14.32	588395	15.90
CCVIS 480-446676/3		798831	11.93	670815	14.32	631198	15.90

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Sample No.: CCVIS 480-446419/4 Date Analyzed: 11/19/2018 13:31

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): V313108.D Heated Purge: (Y/N) N

Calibration ID: 35378

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		218543	6.84	809812	8.36	395903	10.42
UPPER LIMIT		437086	7.34	1619624	8.86	791806	10.92
LOWER LIMIT		109272	6.34	404906	7.86	197952	9.92
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 480-445849/1-A		237729	6.83	875555	8.36	414605	10.41
LCS 480-445849/2-A		250003	6.84	901114	8.36	433532	10.42
480-145287-1	SW-01	258471	6.83	913026	8.36	439684	10.42

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Sample No.: CCVIS 480-446419/4 Date Analyzed: 11/19/2018 13:31

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): V313108.D Heated Purge: (Y/N) N

Calibration ID: 35378

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		667231	11.93	615650	14.32	588395	15.90
UPPER LIMIT		1334462	12.43	1231300	14.82	1176790	16.40
LOWER LIMIT		333616	11.43	307825	13.82	294198	15.40
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 480-445849/1-A		657537	11.93	584110	14.32	559833	15.90
LCS 480-445849/2-A		698733	11.93	613221	14.32	583178	15.90
480-145287-1	SW-01	676686	11.93	512168	14.32	475886	15.90

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Sample No.: CCVIS 480-446676/3 Date Analyzed: 11/20/2018 15:04

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): V313125.D Heated Purge: (Y/N) N

Calibration ID: 35378

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		275529	6.84	1000448	8.36	488916	10.42
UPPER LIMIT		551058	7.34	2000896	8.86	977832	10.92
LOWER LIMIT		137765	6.34	500224	7.86	244458	9.92
LAB SAMPLE ID	CLIENT SAMPLE ID						
480-145287-2	SW-02	288935	6.83	1044656	8.36	495760	10.42
480-145287-3	SW-03	270910	6.83	966360	8.36	478845	10.42
480-145287-4	SW-04	293816	6.83	1024753	8.36	483533	10.42
480-145287-5	B-1	290905	6.83	1037690	8.36	498198	10.42
480-145287-6	SW-05	306691	6.83	1107276	8.36	514854	10.42
480-145287-7	B-2	288026	6.83	1011292	8.36	463612	10.42
480-145287-8	SW-06	241961	6.83	865427	8.36	406383	10.42

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Sample No.: CCVIS 480-446676/3 Date Analyzed: 11/20/2018 15:04

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): V313125.D Heated Purge: (Y/N) N

Calibration ID: 35378

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		798831	11.93	670815	14.32	631198	15.90
UPPER LIMIT		1597662	12.43	1341630	14.82	1262396	16.40
LOWER LIMIT		399416	11.43	335408	13.82	315599	15.40
LAB SAMPLE ID	CLIENT SAMPLE ID						
480-145287-2	SW-02	799300	11.93	671113	14.32	611385	15.90
480-145287-3	SW-03	794843	11.93	635617	14.32	566383	15.90
480-145287-4	SW-04	746224	11.93	590814	14.32	523873	15.90
480-145287-5	B-1	777292	11.93	600031	14.32	525500	15.90
480-145287-6	SW-05	832727	11.93	665248	14.32	588331	15.90
480-145287-7	B-2	760706	11.93	648158	14.32	596721	15.90
480-145287-8	SW-06	654240	11.93	548667	14.32	508762	15.90

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-145287-1

SDG No.:

Client Sample ID: SW-01 | Lab Sample ID: 480-145287-1

Matrix: Solid | Lab File ID: V313121.D

Analysis Method: 8270D | Date Collected: 11/13/2018 13:45

Extract. Method: 3550C | Date Extracted: 11/15/2018 14:22

Sample wt/vol: 30.28(g) | Date Analyzed: 11/19/2018 19:32

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 31.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 446419 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		250	67
88-06-2	2,4,6-Trichlorophenol	ND		250	49
120-83-2	2,4-Dichlorophenol	ND		250	26
105-67-9	2,4-Dimethylphenol	ND		250	60
51-28-5	2,4-Dinitrophenol	ND		2400	1100
121-14-2	2,4-Dinitrotoluene	ND		250	51
606-20-2	2,6-Dinitrotoluene	ND		250	29
91-58-7	2-Chloronaphthalene	ND		250	41
95-57-8	2-Chlorophenol	ND		250	45
91-57-6	2-Methylnaphthalene	ND		250	49
95-48-7	2-Methylphenol	ND		250	29
88-74-4	2-Nitroaniline	ND		480	36
88-75-5	2-Nitrophenol	ND		250	70
91-94-1	3,3'-Dichlorobenzidine	ND		480	290
99-09-2	3-Nitroaniline	ND		480	68
534-52-1	4,6-Dinitro-2-methylphenol	ND		480	250
101-55-3	4-Bromophenyl phenyl ether	ND		250	35
59-50-7	4-Chloro-3-methylphenol	62	J	250	61
106-47-8	4-Chloroaniline	ND		250	61
7005-72-3	4-Chlorophenyl phenyl ether	ND		250	30
106-44-5	4-Methylphenol	ND		480	29
100-01-6	4-Nitroaniline	ND		480	130
100-02-7	4-Nitrophenol	ND		480	170
83-32-9	Acenaphthene	ND		250	36
208-96-8	Acenaphthylene	ND		250	32
98-86-2	Acetophenone	ND		250	33
120-12-7	Anthracene	ND		250	61
1912-24-9	Atrazine	ND		250	86
100-52-7	Benzaldehyde	ND		250	200
56-55-3	Benzo(a)anthracene	ND		250	25
50-32-8	Benzo(a)pyrene	ND		250	36
205-99-2	Benzo(b)fluoranthene	ND		250	39
191-24-2	Benzo(g,h,i)perylene	ND		250	26
207-08-9	Benzo(k)fluoranthene	ND		250	32

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-145287-1

SDG No.:

Client Sample ID: SW-01 | Lab Sample ID: 480-145287-1

Matrix: Solid | Lab File ID: V313121.D

Analysis Method: 8270D | Date Collected: 11/13/2018 13:45

Extract. Method: 3550C | Date Extracted: 11/15/2018 14:22

Sample wt/vol: 30.28(g) | Date Analyzed: 11/19/2018 19:32

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 31.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 446419 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		250	36
108-60-1	bis (2-chloroisopropyl) ether	ND		250	49
111-91-1	Bis(2-chloroethoxy)methane	ND		250	52
111-44-4	Bis(2-chloroethyl)ether	ND		250	32
117-81-7	Bis(2-ethylhexyl) phthalate	100	J	250	84
85-68-7	Butyl benzyl phthalate	ND		250	41
105-60-2	Caprolactam	ND		250	74
86-74-8	Carbazole	ND		250	29
218-01-9	Chrysene	ND		250	55
53-70-3	Dibenz(a,h)anthracene	ND		250	44
132-64-9	Dibenzofuran	ND		250	29
84-66-2	Diethyl phthalate	ND		250	32
131-11-3	Dimethyl phthalate	29	J	250	29
84-74-2	Di-n-butyl phthalate	ND		250	42
117-84-0	Di-n-octyl phthalate	ND		250	29
206-44-0	Fluoranthene	200	J	250	26
86-73-7	Fluorene	ND		250	29
118-74-1	Hexachlorobenzene	ND		250	33
87-68-3	Hexachlorobutadiene	ND		250	36
77-47-4	Hexachlorocyclopentadiene	ND		250	33
67-72-1	Hexachloroethane	ND		250	32
193-39-5	Indeno(1,2,3-cd)pyrene	ND		250	30
78-59-1	Isophorone	ND		250	52
91-20-3	Naphthalene	ND		250	32
98-95-3	Nitrobenzene	ND		250	28
621-64-7	N-Nitrosodi-n-propylamine	ND		250	42
86-30-6	N-Nitrosodiphenylamine	ND		250	200
87-86-5	Pentachlorophenol	ND		480	250
85-01-8	Phenanthrene	250		250	36
108-95-2	Phenol	ND		250	38
129-00-0	Pyrene	180	J	250	29

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-145287-1

SDG No.:

Client Sample ID: SW-01 | Lab Sample ID: 480-145287-1

Matrix: Solid | Lab File ID: V313121.D

Analysis Method: 8270D | Date Collected: 11/13/2018 13:45

Extract. Method: 3550C | Date Extracted: 11/15/2018 14:22

Sample wt/vol: 30.28(g) | Date Analyzed: 11/19/2018 19:32

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 31.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 446419 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	57		54-120
321-60-8	2-Fluorobiphenyl	97		60-120
367-12-4	2-Fluorophenol	81		52-120
4165-60-0	Nitrobenzene-d5	89		53-120
4165-62-2	Phenol-d5	86		54-120
1718-51-0	p-Terphenyl-d14	108		65-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181119-76580.b\V313121.D
Lims ID: 480-145287-B-1-A
Client ID: SW-01
Sample Type: Client
Inject. Date: 19-Nov-2018 19:32:30 ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0076580-017
Operator ID: PJQ Instrument ID: HP5973V

Method: \\ChromNA\Buffalo\ChromData\HP5973V\20181119-76580.b\V-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 20-Nov-2018 11:30:27 Calib Date: 14-Nov-2018 18:42:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313041.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0331

First Level Reviewer: quirkp Date: 20-Nov-2018 11:56:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.834	6.840	-0.006	97	258471	40.0	
* 2 Naphthalene-d8	136	8.357	8.357	0.000	100	913026	40.0	
* 3 Acenaphthene-d10	164	10.419	10.419	0.000	95	439684	40.0	
* 4 Phenanthrene-d10	188	11.931	11.931	0.000	99	676686	40.0	
* 5 Chrysene-d12	240	14.324	14.324	0.000	99	512168	40.0	
* 6 Perylene-d12	264	15.900	15.900	0.000	98	475886	40.0	
$ 7 2-Fluorophenol	112	5.226	5.217	0.005	94	303678	32.5	
$ 8 Phenol-d5	99	6.348	6.343	0.000	98	374557	34.3	
$ 9 Nitrobenzene-d5	82	7.486	7.486	0.000	91	319360	35.7	
$ 10 2-Fluorobiphenyl	172	9.623	9.623	0.000	100	626346	39.0	
$ 11 2,4,6-Tribromophenol	330	11.242	11.242	0.000	92	40860	22.8	
$ 12 p-Terphenyl-d14	244	13.336	13.336	0.000	99	477394	43.3	
80 Benzaldehyde	77	6.305	6.300	0.000	91	7841	1.14	
81 Phenol	94		6.364				ND	
83 Bis(2-chloroethyl)ether	93		6.487				ND	
84 2-Chlorophenol	128		6.583				ND	
92 2-Methylphenol	108		7.091				ND	
93 2,2'-oxybis[1-chloropropan	45		7.133				ND	
96 4-Methylphenol	108		7.272				ND	U
95 N-Nitrosodi-n-propylamine	70		7.283				ND	
94 Acetophenone	105	7.294	7.293	-0.005	93	4333	0.3770	
99 Hexachloroethane	117		7.459				ND	
102 Nitrobenzene	77		7.507				ND	
106 Isophorone	82		7.780				ND	
107 2-Nitrophenol	139		7.892				ND	
108 2,4-Dimethylphenol	107		7.908				ND	
111 Bis(2-chloroethoxy)methane	93		8.020				ND	
114 2,4-Dichlorophenol	162		8.170				ND	
118 Naphthalene	128		8.384				ND	
119 4-Chloroaniline	127		8.421				ND	
121 Hexachlorobutadiene	225		8.528				ND	
124 Caprolactam	113		8.822				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
129 4-Chloro-3-methylphenol	107	8.971	8.977	-0.006	92	8590	1.28	
131 2-Methylnaphthalene	142	9.201	9.201	0.000	93	7685	0.5100	
134 Hexachlorocyclopentadiene	237		9.393				ND	
137 2,4,6-Trichlorophenol	196		9.527				ND	
138 2,4,5-Trichlorophenol	196		9.570				ND	
140 1,1'-Biphenyl	154		9.746				ND	U
141 2-Chloronaphthalene	162		9.783				ND	
143 2-Nitroaniline	65		9.879				ND	
146 Dimethyl phthalate	163	10.066	10.072	-0.006	96	8626	0.5955	
149 2,6-Dinitrotoluene	165		10.146				ND	
150 Acenaphthylene	152		10.264				ND	
151 3-Nitroaniline	138		10.339				ND	
153 2,4-Dinitrophenol	184		10.456				ND	
152 Acenaphthene	153		10.456				ND	
154 4-Nitrophenol	109		10.499				ND	
156 2,4-Dinitrotoluene	165		10.595				ND	
155 Dibenzofuran	168	10.638	10.638	0.000	93	8078	0.4450	
161 Diethyl phthalate	149	10.830	10.830	0.000	77	3394	0.2397	
163 4-Chlorophenyl phenyl ethe	204		10.975				ND	
164 4-Nitroaniline	138		10.991				ND	
162 Fluorene	166		11.001				ND	
165 4,6-Dinitro-2-methylphenol	198		11.028				ND	
168 N-Nitrosodiphenylamine	169		11.092				ND	
175 4-Bromophenyl phenyl ether	248		11.471				ND	
179 Hexachlorobenzene	284		11.562				ND	
180 Atrazine	200		11.594				ND	
183 Pentachlorophenol	266		11.738				ND	
188 Phenanthrene	178	11.952	11.952	0.000	97	92860	5.11	
189 Anthracene	178	12.000	12.000	0.000	91	5887	0.3227	
192 Carbazole	167		12.134				ND	
195 Di-n-butyl phthalate	149		12.396				ND	
201 Fluoranthene	202	13.037	13.037	0.000	97	77729	4.14	
204 Pyrene	202	13.245	13.250	-0.005	98	60574	3.81	
210 Butyl benzyl phthalate	149		13.731				ND	
216 Bis(2-ethylhexyl) phthalat	149	14.207	14.201	0.006	69	23037	2.17	
215 3,3'-Dichlorobenzidine	252		14.249				ND	U
217 Benzo[a]anthracene	228		14.313				ND	U
218 Chrysene	228	14.351	14.345	0.006	54	13187	0.8905	
220 Di-n-octyl phthalate	149		14.800				ND	
221 Benzo[b]fluoranthene	252		15.425				ND	U
222 Benzo[k]fluoranthene	252		15.451				ND	U
225 Benzo[a]pyrene	252		15.831				ND	U
228 Dibenz(a,h)anthracene	278		17.492				ND	
227 Indeno[1,2,3-cd]pyrene	276		17.497				ND	
229 Benzo[g,h,i]perylene	276		17.994				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

MB_INTSTD_STK_00055 Amount Added: 20.00 Units: uL Run Reagent

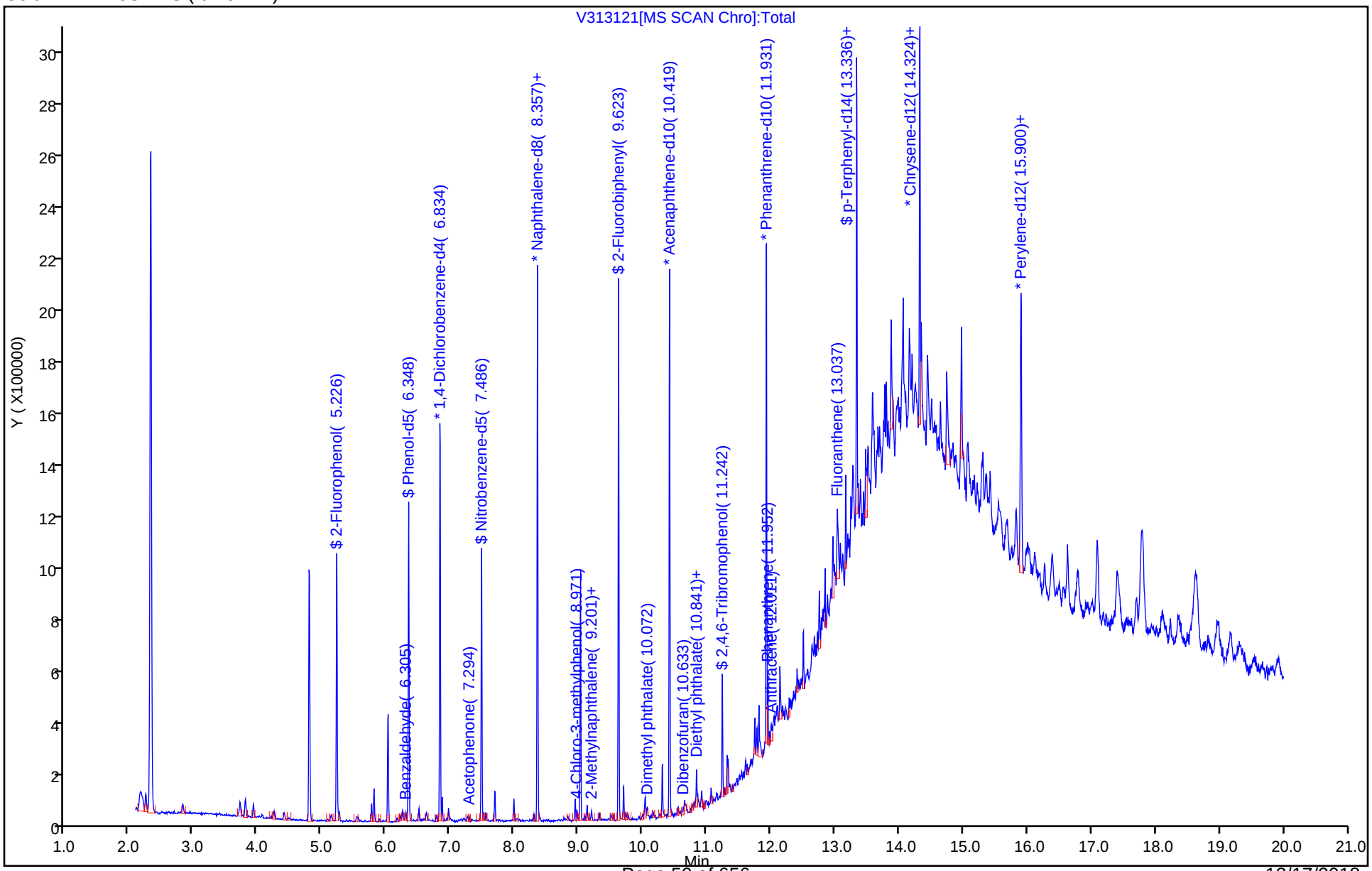
Report Date: 20-Nov-2018 11:56:39 Chrom Revision: 2.3 19-Nov-2018 09:14:08

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181119-76580.b\V313121.D

Injection Date:	19-Nov-2018 19:32:30	Instrument ID:	HP5973V	Operator ID:	PJQ
Lims ID:	480-145287-B-1-A	Lab Sample ID:	480-145287-1	Worklist Smp#:	17
Client ID:	SW-01				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	V-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)

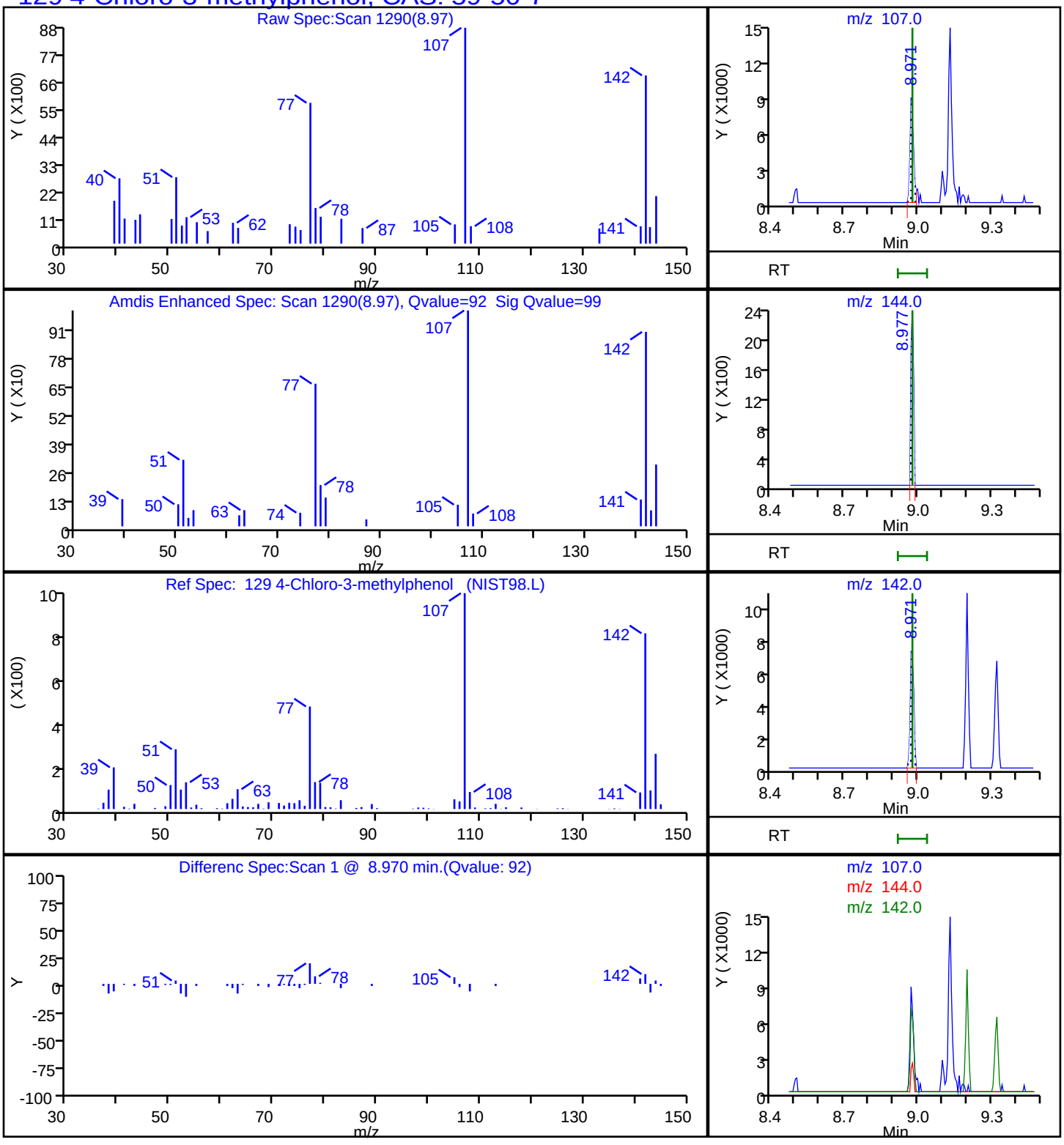


TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181119-76580.b\V313121.D

Injection Date:	19-Nov-2018 19:32:30	Instrument ID:	HP5973V		
Lims ID:	480-145287-B-1-A	Lab Sample ID:	480-145287-1		
Client ID:	SW-01				
Operator ID:	PJQ	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	V-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

129 4-Chloro-3-methylphenol, CAS: 59-50-7

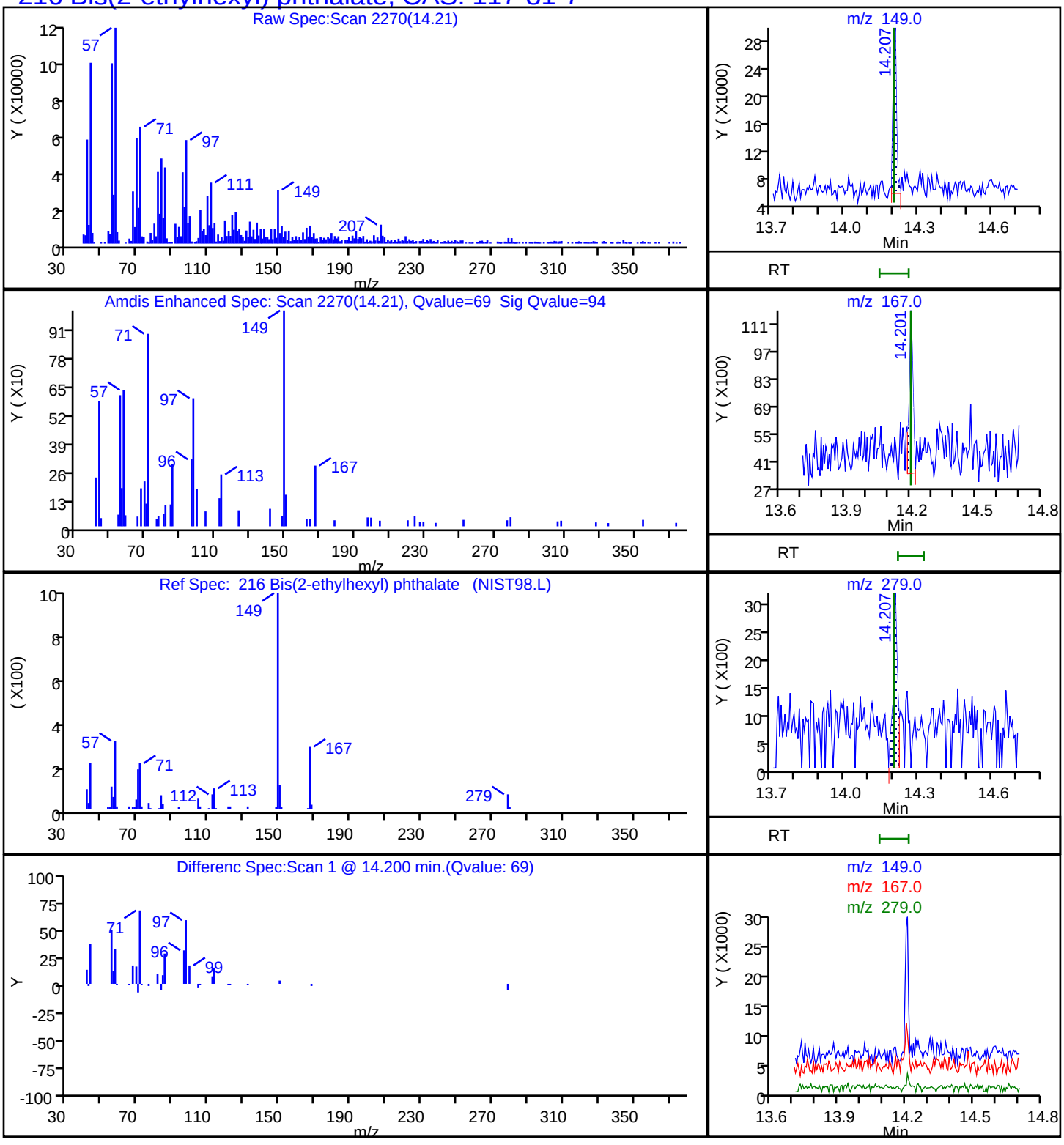


TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181119-76580.b\V313121.D

Injection Date:	19-Nov-2018 19:32:30	Instrument ID:	HP5973V		
Lims ID:	480-145287-B-1-A	Lab Sample ID:	480-145287-1		
Client ID:	SW-01				
Operator ID:	PJQ	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	V-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

216 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

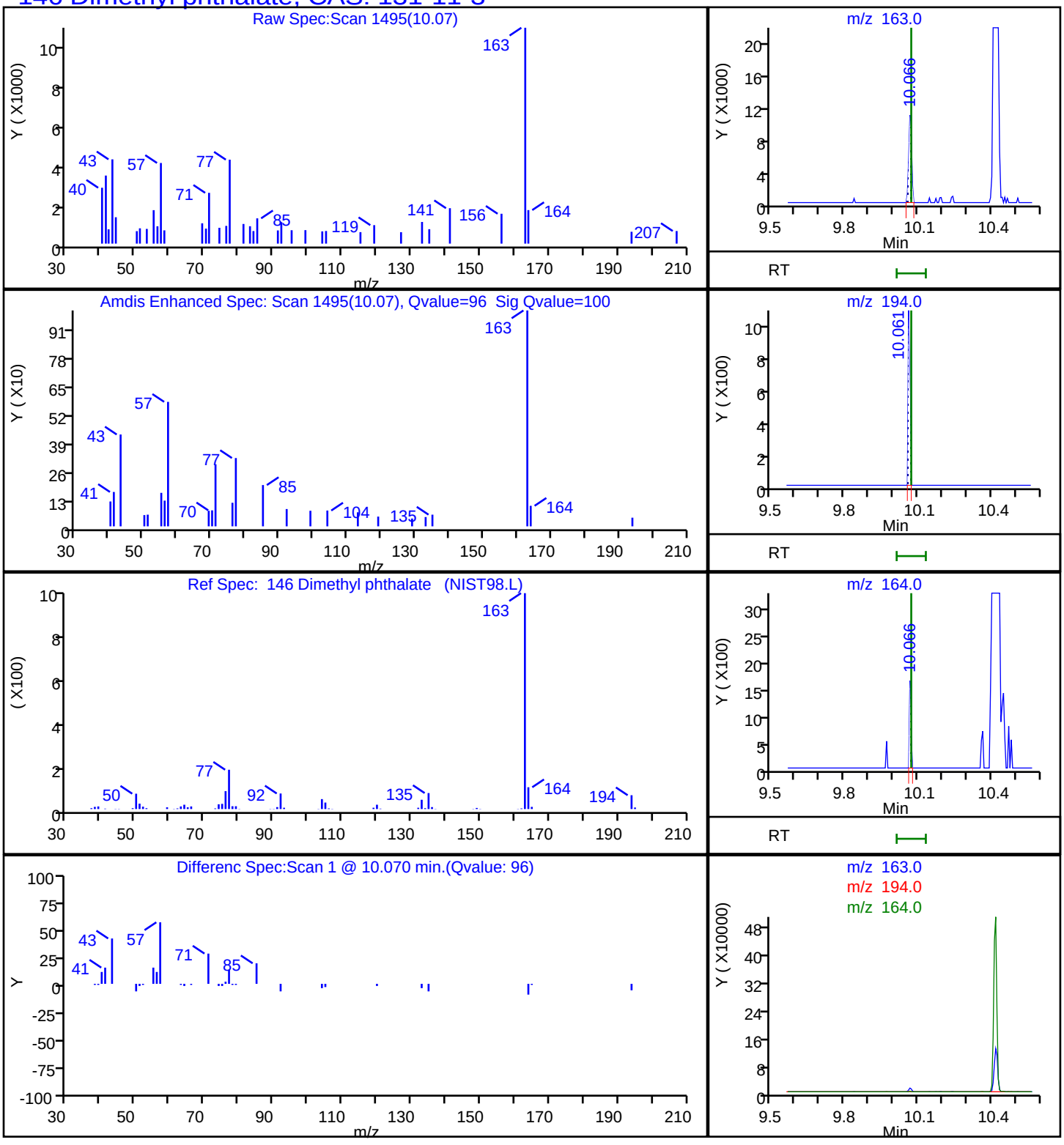


TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181119-76580.b\V313121.D

Injection Date:	19-Nov-2018 19:32:30	Instrument ID:	HP5973V
Lims ID:	480-145287-B-1-A	Lab Sample ID:	480-145287-1
Client ID:	SW-01		
Operator ID:	PJQ	ALS Bottle#:	17 Worklist Smp#: 17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	V-8270	Limit Group:	MB - 8270D ICAL
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN

146 Dimethyl phthalate, CAS: 131-11-3

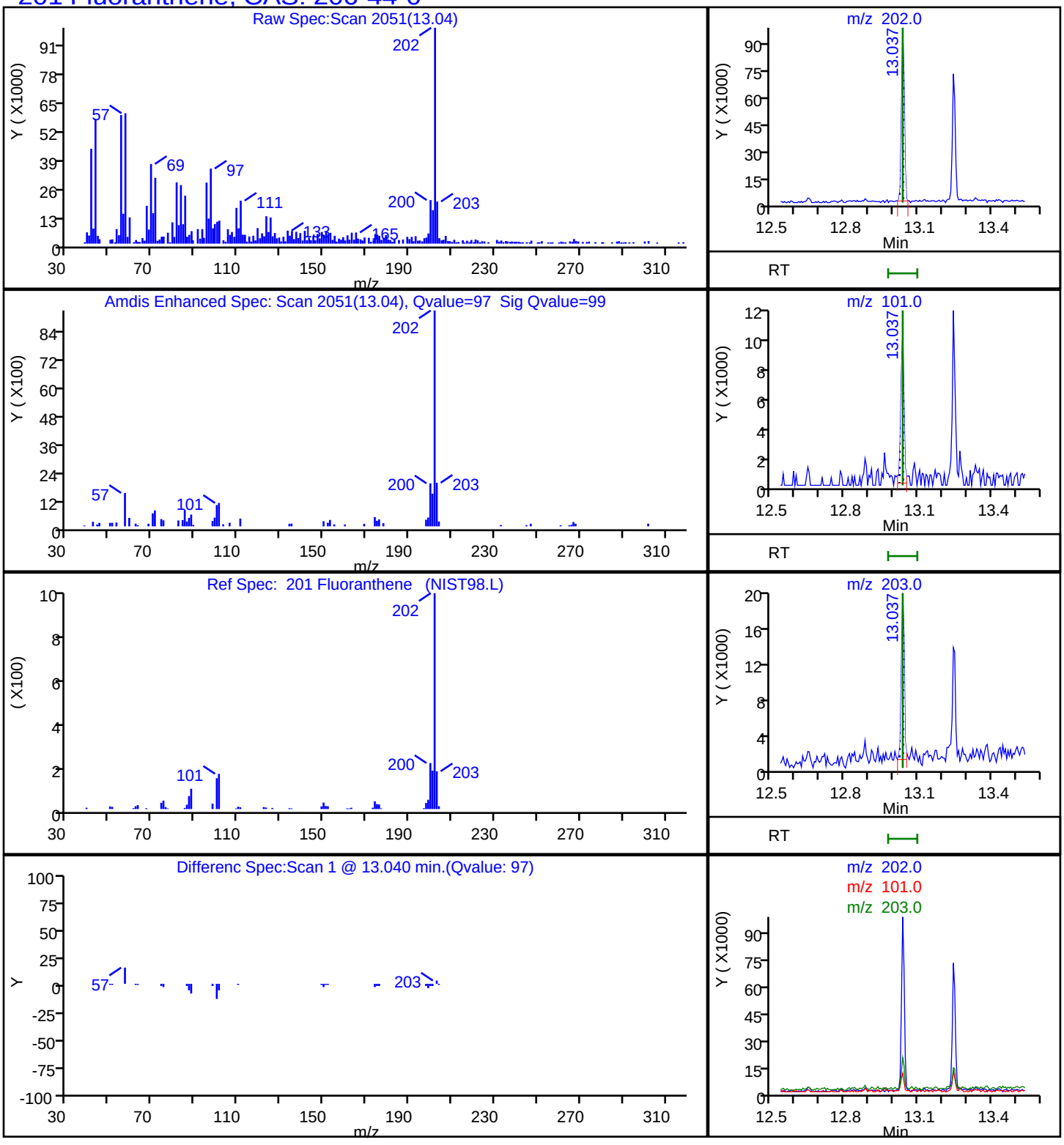


TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181119-76580.b\V313121.D

Injection Date:	19-Nov-2018 19:32:30	Instrument ID:	HP5973V
Lims ID:	480-145287-B-1-A	Lab Sample ID:	480-145287-1
Client ID:	SW-01		
Operator ID:	PJQ	ALS Bottle#:	17 Worklist Smp#: 17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	V-8270	Limit Group:	MB - 8270D ICAL
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN

201 Fluoranthene, CAS: 206-44-0

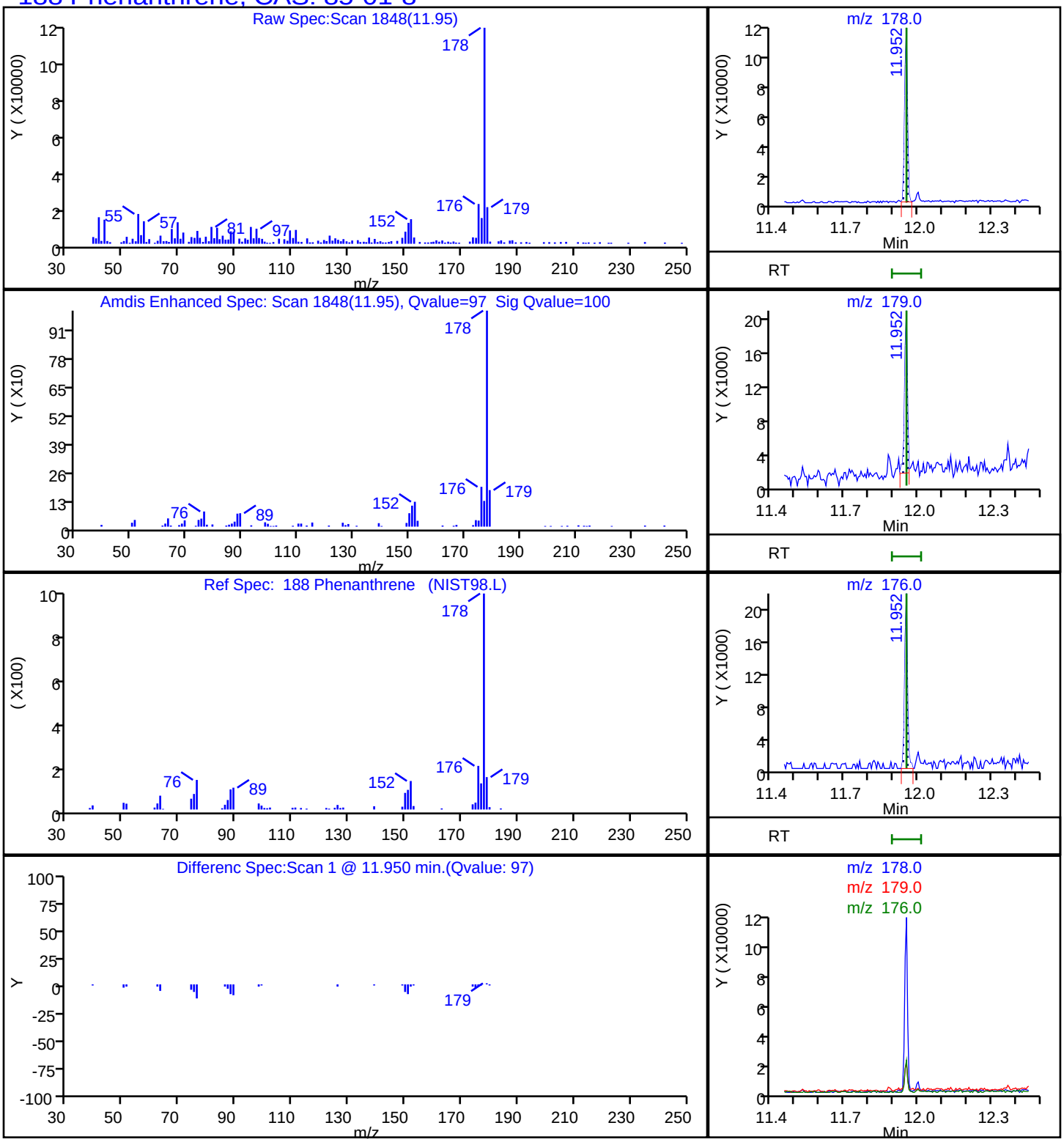


TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181119-76580.b\V313121.D

Injection Date:	19-Nov-2018 19:32:30	Instrument ID:	HP5973V
Lims ID:	480-145287-B-1-A	Lab Sample ID:	480-145287-1
Client ID:	SW-01		
Operator ID:	PJQ	ALS Bottle#:	17 Worklist Smp#: 17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	V-8270	Limit Group:	MB - 8270D ICAL
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN

188 Phenanthrene, CAS: 85-01-8

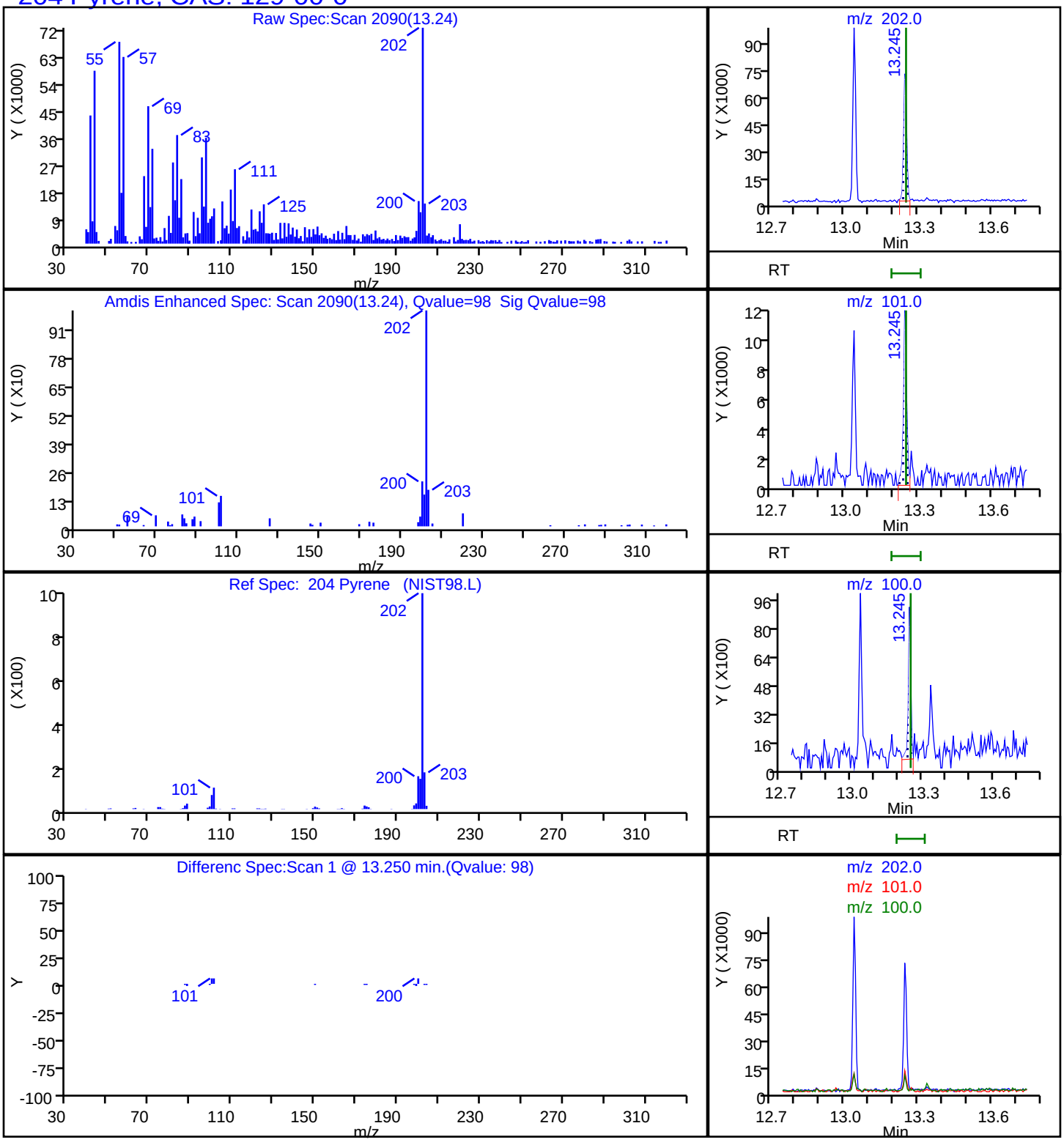


TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181119-76580.b\V313121.D

Injection Date:	19-Nov-2018 19:32:30	Instrument ID:	HP5973V		
Lims ID:	480-145287-B-1-A	Lab Sample ID:	480-145287-1		
Client ID:	SW-01				
Operator ID:	PJQ	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	V-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

204 Pyrene, CAS: 129-00-0



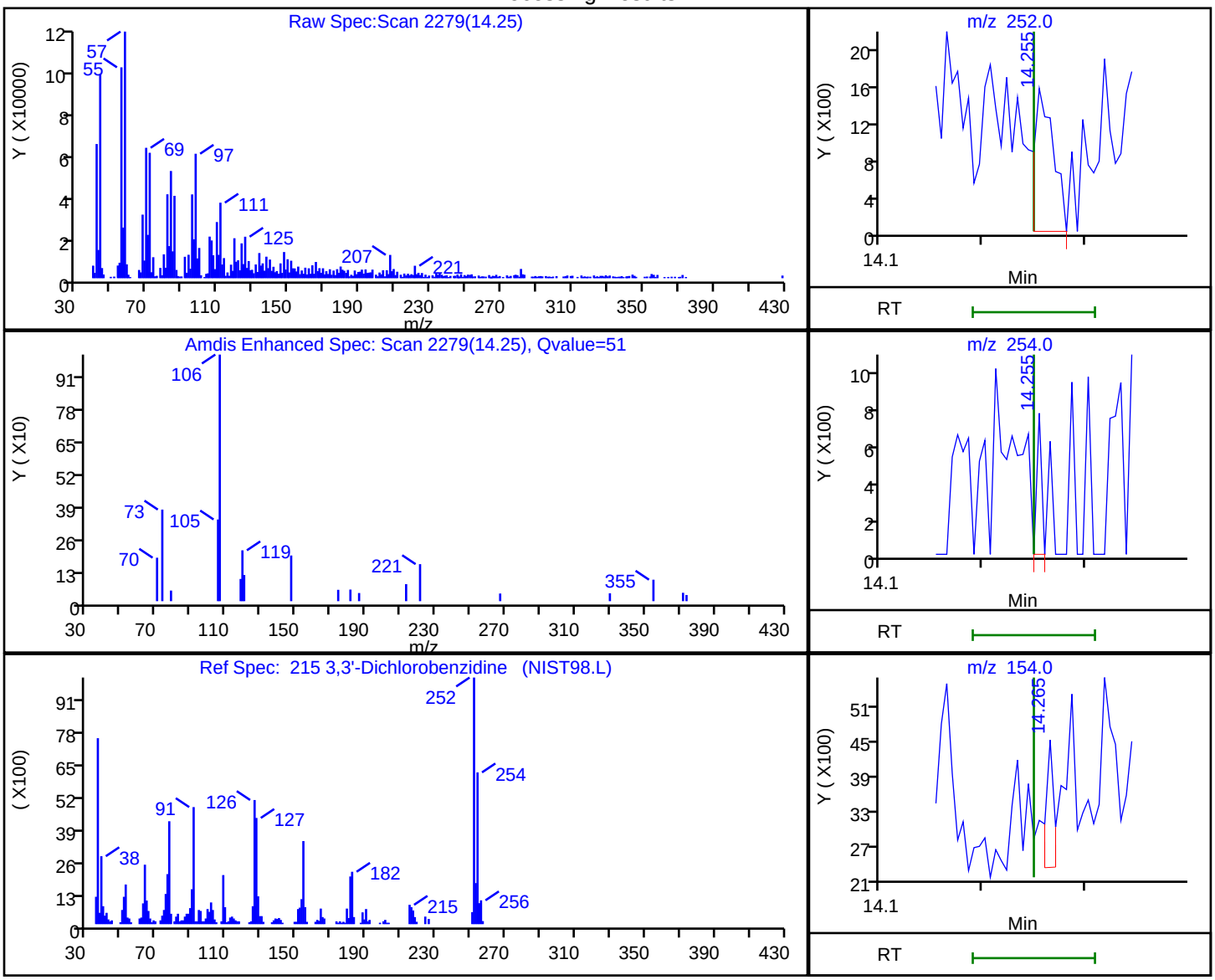
User Disabled Compound Report

TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973V\20181119-76580.b\V313121.D				
Injection Date:	19-Nov-2018 19:32:30	Instrument ID:	HP5973V		
Lims ID:	480-145287-B-1-A	Lab Sample ID:	480-145287-1		
Client ID:	SW-01				
Operator ID:	PJQ	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	V-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

215 3,3'-Dichlorobenzidine, CAS: 91-94-1

Processing Results



RT	Mass	Response	Amount
14.25	252.00	1920	0.453459
14.25	254.00	247	
14.27	154.00	1165	

Reviewer: quirkp, 20-Nov-2018 11:29:10

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

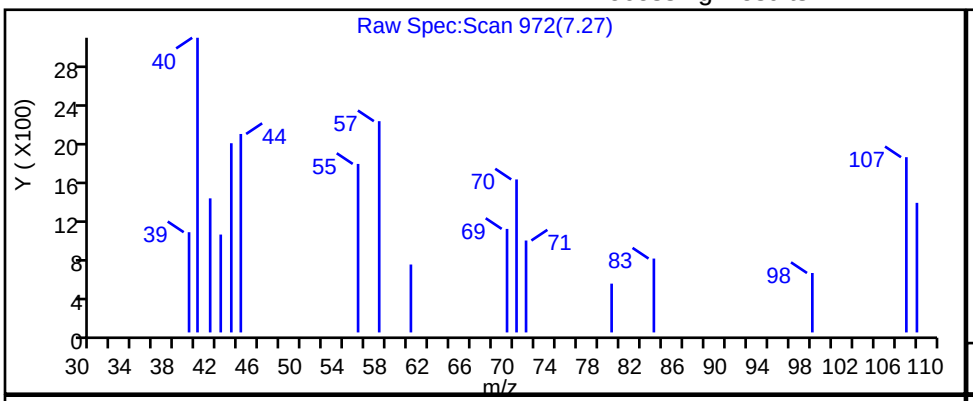
User Disabled Compound Report

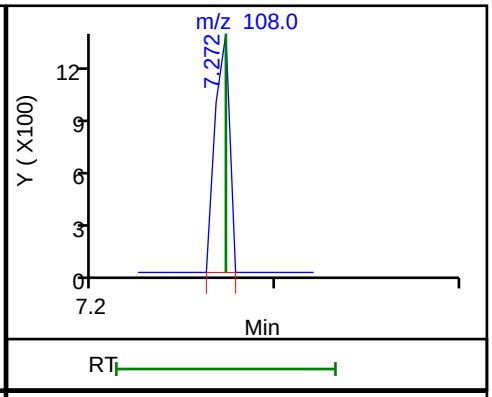
TestAmerica Buffalo

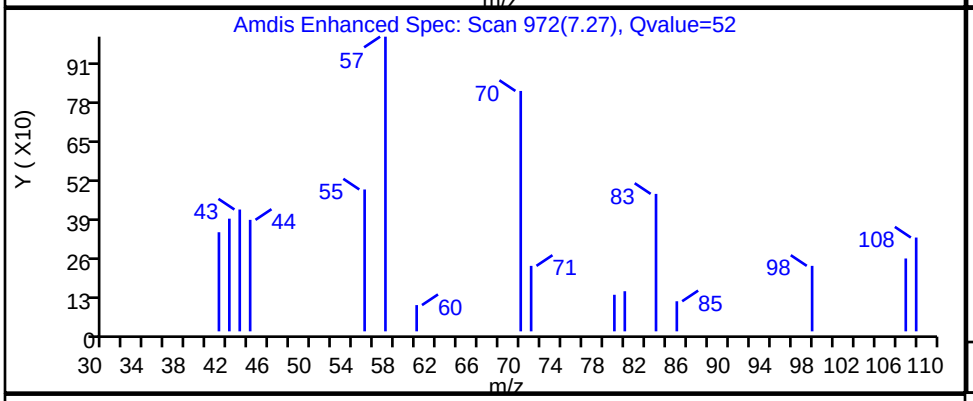
Data File:	\\ChromNA\Buffalo\ChromData\HP5973V\20181119-76580.b\V313121.D				
Injection Date:	19-Nov-2018 19:32:30	Instrument ID:	HP5973V		
Lims ID:	480-145287-B-1-A	Lab Sample ID:	480-145287-1		
Client ID:	SW-01				
Operator ID:	PJQ	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	V-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

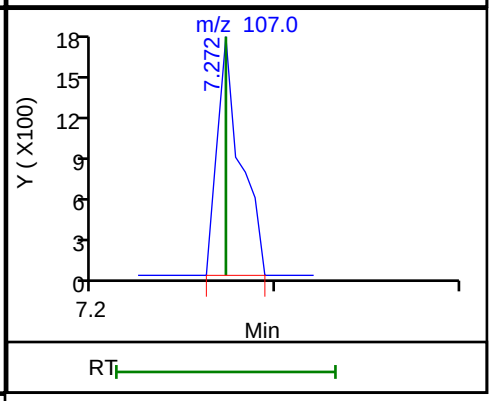
96 4-Methylphenol, CAS: 106-44-5

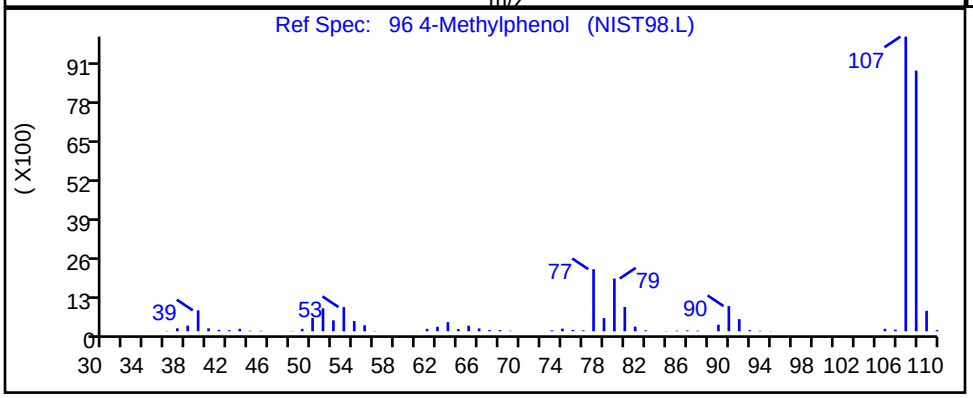
Processing Results











RT	Mass	Response	Amount
7.27	108.00	728	0.089664
7.27	107.00	1590	

Reviewer: quirkp, 20-Nov-2018 11:28:25

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

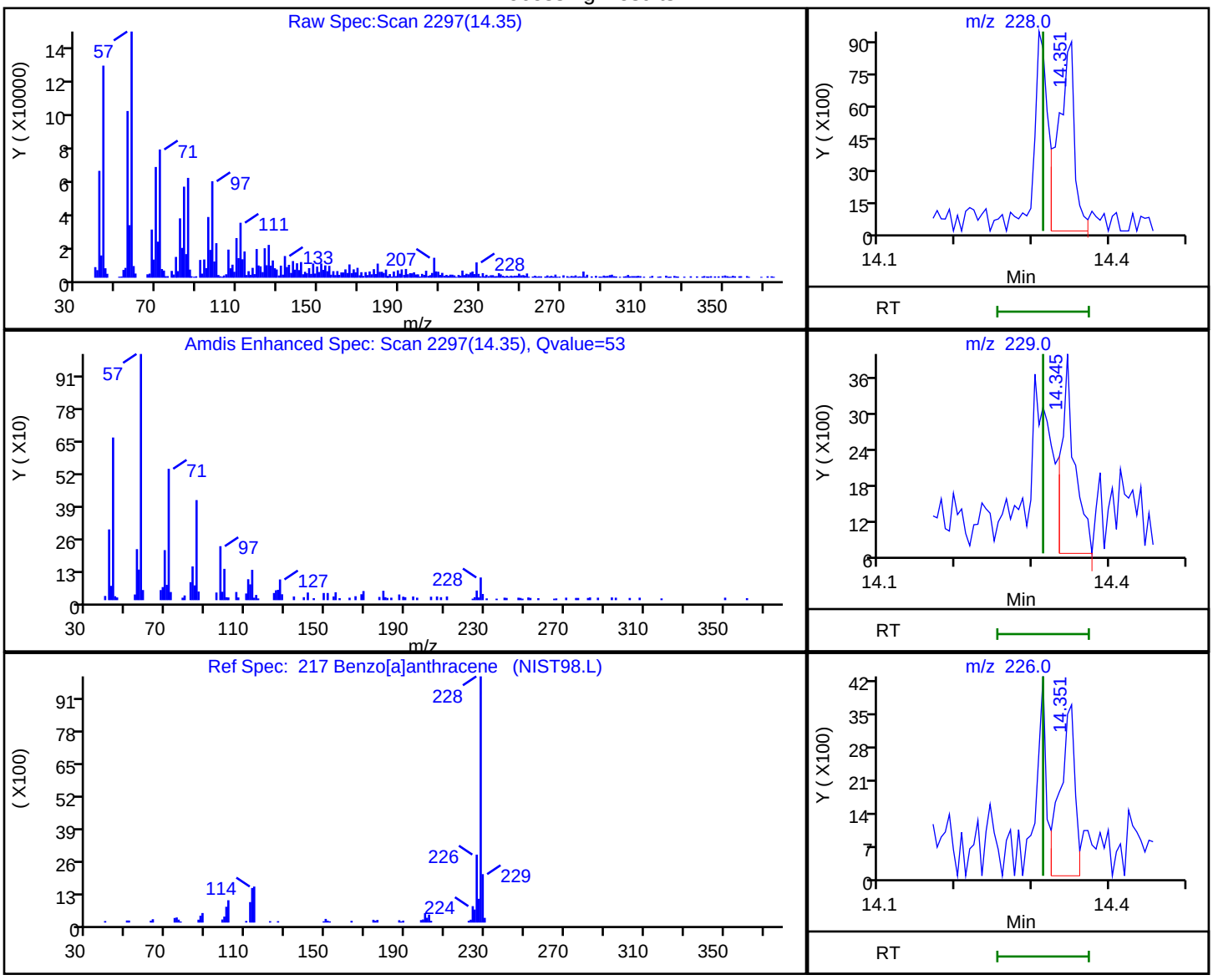
User Disabled Compound Report

TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973V\20181119-76580.b\V313121.D				
Injection Date:	19-Nov-2018 19:32:30	Instrument ID:	HP5973V		
Lims ID:	480-145287-B-1-A	Lab Sample ID:	480-145287-1		
Client ID:	SW-01				
Operator ID:	PJQ	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	V-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

217 Benzo[a]anthracene, CAS: 56-55-3

Processing Results



RT	Mass	Response	Amount
14.35	228.00	13187	0.844149
14.35	229.00	3824	
14.35	226.00	4957	

Reviewer: quirkp, 20-Nov-2018 11:29:13

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

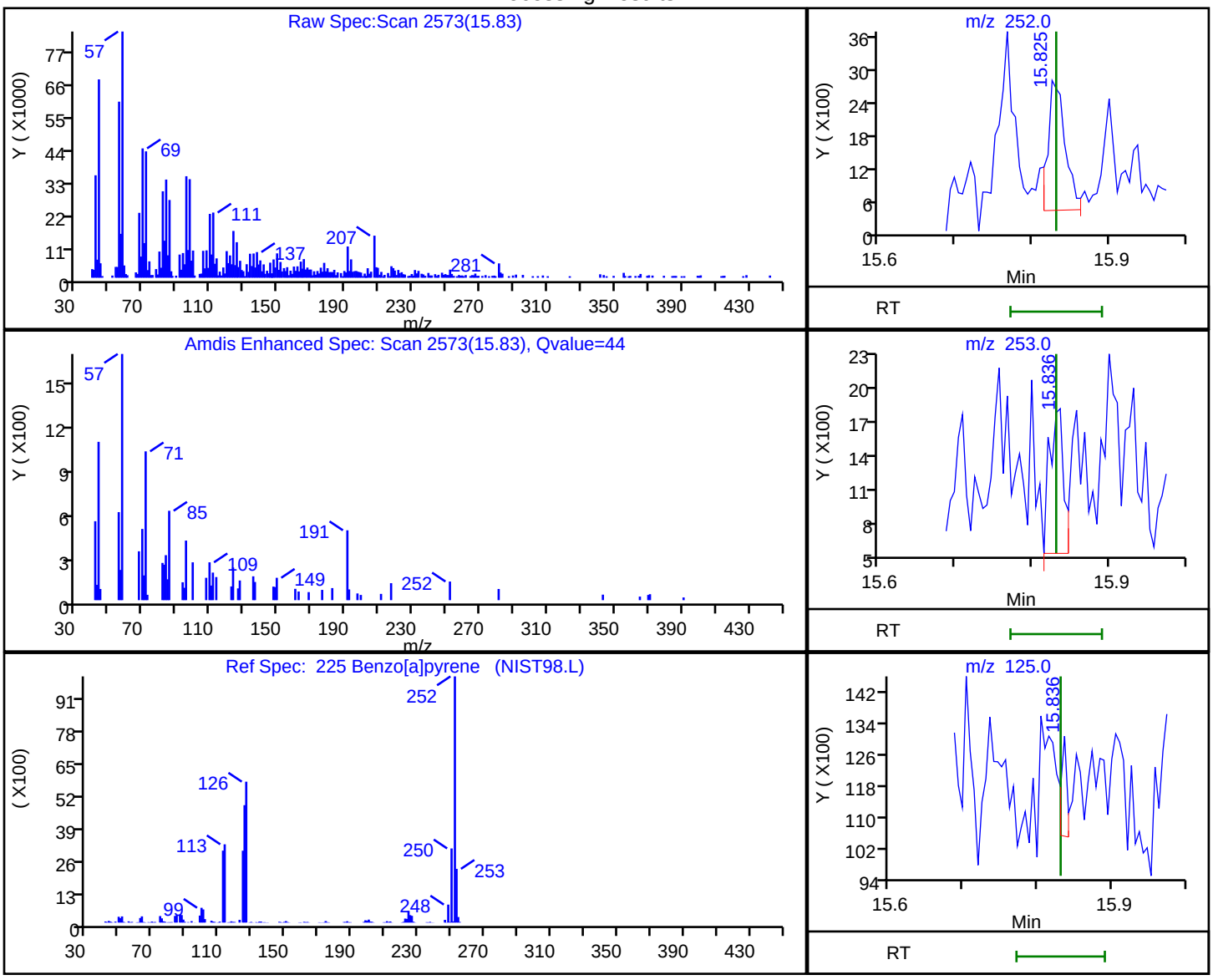
User Disabled Compound Report

TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973V\20181119-76580.b\V313121.D				
Injection Date:	19-Nov-2018 19:32:30	Instrument ID:	HP5973V		
Lims ID:	480-145287-B-1-A	Lab Sample ID:	480-145287-1		
Client ID:	SW-01				
Operator ID:	PJQ	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	V-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

225 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
15.83	252.00	3721	0.279710
15.84	253.00	1598	
15.84	125.00	1422	

Reviewer: quirkp, 20-Nov-2018 11:29:35

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

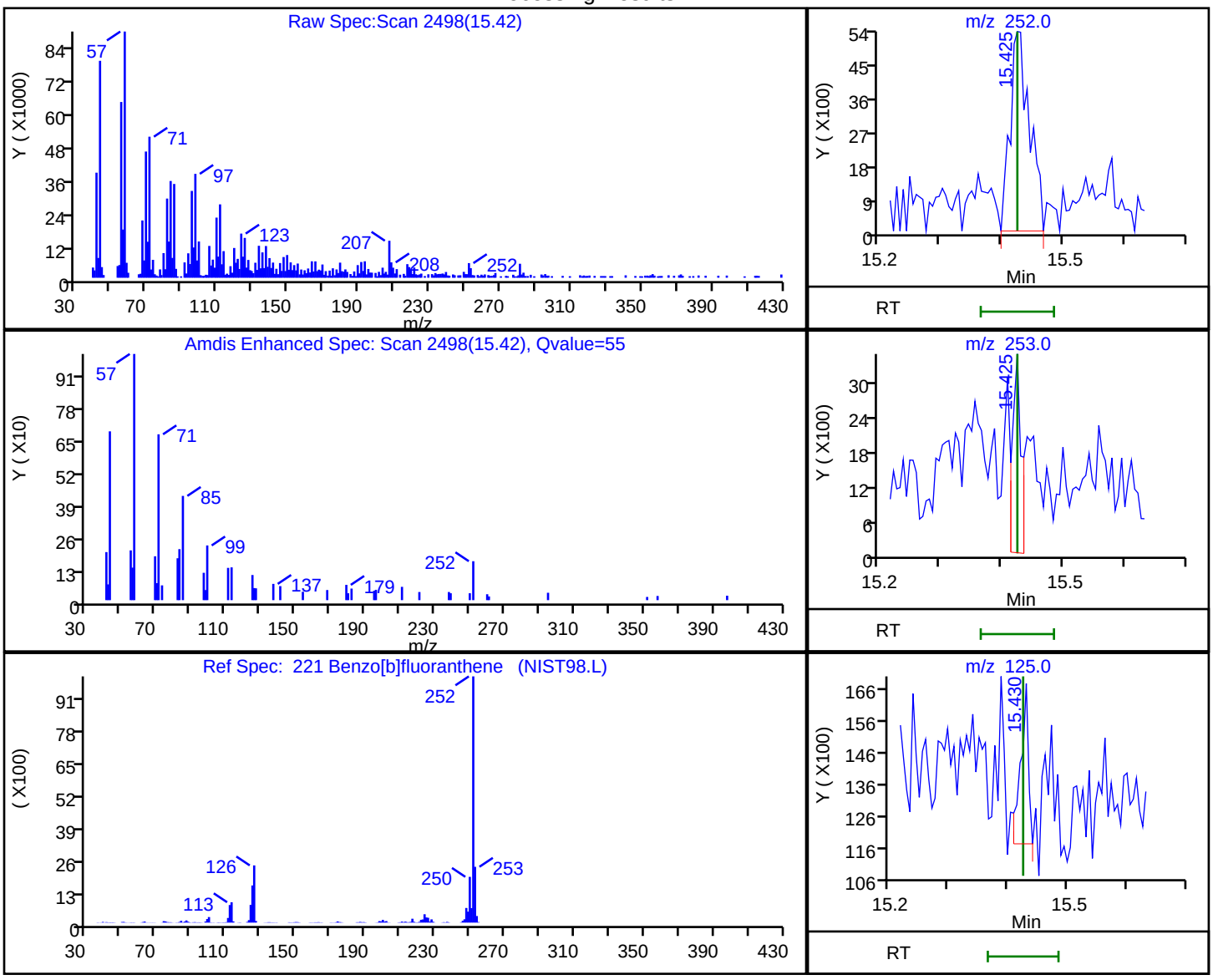
User Disabled Compound Report

TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973V\20181119-76580.b\V313121.D				
Injection Date:	19-Nov-2018 19:32:30	Instrument ID:	HP5973V		
Lims ID:	480-145287-B-1-A	Lab Sample ID:	480-145287-1		
Client ID:	SW-01				
Operator ID:	PJQ	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	V-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

221 Benzo[b]fluoranthene, CAS: 205-99-2

Processing Results



RT	Mass	Response	Amount
15.42	252.00	11853	0.854726
15.42	253.00	3520	
15.43	125.00	4560	

Reviewer: quirkp, 20-Nov-2018 11:29:31

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

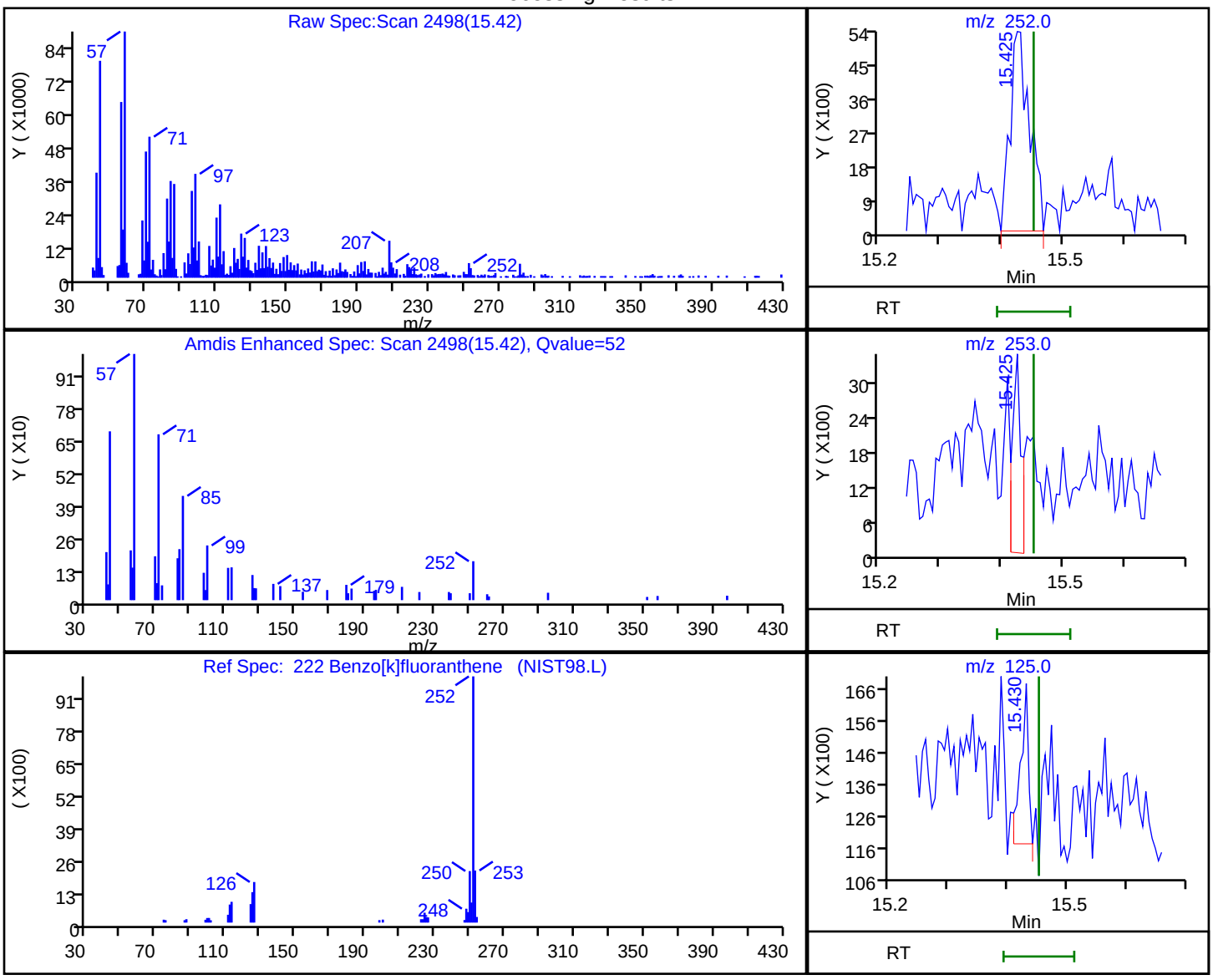
User Disabled Compound Report

TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973V\20181119-76580.b\V313121.D				
Injection Date:	19-Nov-2018 19:32:30	Instrument ID:	HP5973V		
Lims ID:	480-145287-B-1-A	Lab Sample ID:	480-145287-1		
Client ID:	SW-01				
Operator ID:	PJQ	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	V-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

222 Benzo[k]fluoranthene, CAS: 207-08-9

Processing Results



RT	Mass	Response	Amount
15.42	252.00	11853	0.834749
15.42	253.00	3520	
15.43	125.00	4560	

Reviewer: quirkp, 20-Nov-2018 11:29:32

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

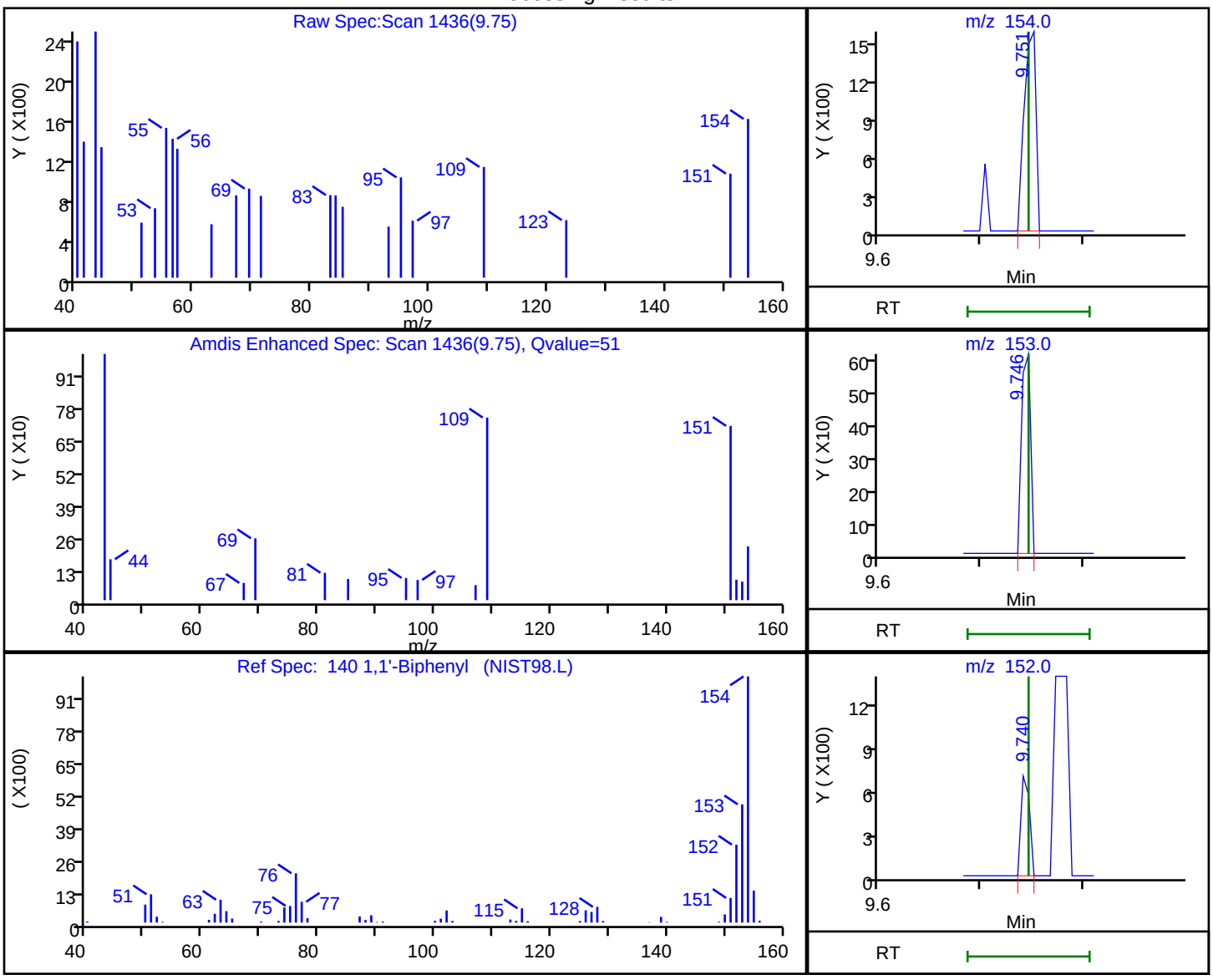
User Disabled Compound Report

TestAmerica Buffalo

Data File:	\\ChromNA\Buffalo\ChromData\HP5973V\20181119-76580.b\V313121.D				
Injection Date:	19-Nov-2018 19:32:30	Instrument ID:	HP5973V		
Lims ID:	480-145287-B-1-A	Lab Sample ID:	480-145287-1		
Client ID:	SW-01				
Operator ID:	PJQ	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	V-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

140 1,1'-Biphenyl, CAS: 92-52-4

Processing Results



RT	Mass	Response	Amount
9.75	154.00	1251	-0.335800
9.75	153.00	378	
9.74	152.00	385	

Reviewer: quirkp, 20-Nov-2018 11:28:41

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-145287-1

SDG No.:

Client Sample ID: SW-02 | Lab Sample ID: 480-145287-2

Matrix: Solid | Lab File ID: V313127.D

Analysis Method: 8270D | Date Collected: 11/13/2018 13:50

Extract. Method: 3550C | Date Extracted: 11/15/2018 14:22

Sample wt/vol: 30.85(g) | Date Analyzed: 11/20/2018 16:00

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 24.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 446676 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		220	59
88-06-2	2,4,6-Trichlorophenol	ND		220	44
120-83-2	2,4-Dichlorophenol	ND		220	23
105-67-9	2,4-Dimethylphenol	ND		220	53
51-28-5	2,4-Dinitrophenol	ND		2100	1000
121-14-2	2,4-Dinitrotoluene	ND		220	45
606-20-2	2,6-Dinitrotoluene	ND		220	26
91-58-7	2-Chloronaphthalene	ND		220	36
95-57-8	2-Chlorophenol	ND		220	40
91-57-6	2-Methylnaphthalene	ND		220	44
95-48-7	2-Methylphenol	ND		220	26
88-74-4	2-Nitroaniline	ND		430	32
88-75-5	2-Nitrophenol	ND		220	62
91-94-1	3,3'-Dichlorobenzidine	ND		430	260
99-09-2	3-Nitroaniline	ND		430	61
534-52-1	4,6-Dinitro-2-methylphenol	ND		430	220
101-55-3	4-Bromophenyl phenyl ether	ND		220	31
59-50-7	4-Chloro-3-methylphenol	ND		220	54
106-47-8	4-Chloroaniline	ND		220	54
7005-72-3	4-Chlorophenyl phenyl ether	ND		220	27
106-44-5	4-Methylphenol	ND		430	26
100-01-6	4-Nitroaniline	ND		430	110
100-02-7	4-Nitrophenol	ND		430	150
83-32-9	Acenaphthene	ND		220	32
208-96-8	Acenaphthylene	ND		220	28
98-86-2	Acetophenone	ND		220	30
120-12-7	Anthracene	ND		220	54
1912-24-9	Atrazine	ND		220	76
100-52-7	Benzaldehyde	ND		220	170
56-55-3	Benzo(a)anthracene	ND		220	22
50-32-8	Benzo(a)pyrene	ND		220	32
205-99-2	Benzo(b)fluoranthene	ND		220	35
191-24-2	Benzo(g,h,i)perylene	ND		220	23
207-08-9	Benzo(k)fluoranthene	ND		220	28

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-145287-1

SDG No.:

Client Sample ID: SW-02 | Lab Sample ID: 480-145287-2

Matrix: Solid | Lab File ID: V313127.D

Analysis Method: 8270D | Date Collected: 11/13/2018 13:50

Extract. Method: 3550C | Date Extracted: 11/15/2018 14:22

Sample wt/vol: 30.85(g) | Date Analyzed: 11/20/2018 16:00

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 24.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 446676 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		220	32
108-60-1	bis (2-chloroisopropyl) ether	ND		220	44
111-91-1	Bis(2-chloroethoxy)methane	ND		220	46
111-44-4	Bis(2-chloroethyl)ether	ND		220	28
117-81-7	Bis(2-ethylhexyl) phthalate	ND		220	75
85-68-7	Butyl benzyl phthalate	ND		220	36
105-60-2	Caprolactam	ND		220	66
86-74-8	Carbazole	ND		220	26
218-01-9	Chrysene	ND		220	49
53-70-3	Dibenz(a,h)anthracene	ND		220	39
132-64-9	Dibenzofuran	ND		220	26
84-66-2	Diethyl phthalate	ND		220	28
131-11-3	Dimethyl phthalate	ND		220	26
84-74-2	Di-n-butyl phthalate	ND		220	37
117-84-0	Di-n-octyl phthalate	ND		220	26
206-44-0	Fluoranthene	ND		220	23
86-73-7	Fluorene	ND		220	26
118-74-1	Hexachlorobenzene	ND		220	30
87-68-3	Hexachlorobutadiene	ND		220	32
77-47-4	Hexachlorocyclopentadiene	ND		220	30
67-72-1	Hexachloroethane	ND		220	28
193-39-5	Indeno(1,2,3-cd)pyrene	ND		220	27
78-59-1	Isophorone	ND		220	46
91-20-3	Naphthalene	ND		220	28
98-95-3	Nitrobenzene	ND		220	24
621-64-7	N-Nitrosodi-n-propylamine	ND		220	37
86-30-6	N-Nitrosodiphenylamine	ND		220	180
87-86-5	Pentachlorophenol	ND		430	220
85-01-8	Phenanthrene	ND		220	32
108-95-2	Phenol	ND		220	33
129-00-0	Pyrene	ND		220	26

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-145287-1

SDG No.:

Client Sample ID: SW-02 | Lab Sample ID: 480-145287-2

Matrix: Solid | Lab File ID: V313127.D

Analysis Method: 8270D | Date Collected: 11/13/2018 13:50

Extract. Method: 3550C | Date Extracted: 11/15/2018 14:22

Sample wt/vol: 30.85(g) | Date Analyzed: 11/20/2018 16:00

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 24.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 446676 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	85		54-120
321-60-8	2-Fluorobiphenyl	97		60-120
367-12-4	2-Fluorophenol	84		52-120
4165-60-0	Nitrobenzene-d5	87		53-120
4165-62-2	Phenol-d5	86		54-120
1718-51-0	p-Terphenyl-d14	113		65-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313127.D
Lims ID: 480-145287-B-2-A
Client ID: SW-02
Sample Type: Client
Inject. Date: 20-Nov-2018 16:00:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0076624-005
Operator ID: PJQ Instrument ID: HP5973V

Method: \\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 21-Nov-2018 12:14:03 Calib Date: 14-Nov-2018 18:42:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313041.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0311

First Level Reviewer: quirkp Date: 21-Nov-2018 12:14:09

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
*	1 1,4-Dichlorobenzene-d4	152	6.834	6.840	-0.006	96	288935	40.0	
*	2 Naphthalene-d8	136	8.357	8.357	0.000	100	1044656	40.0	
*	3 Acenaphthene-d10	164	10.419	10.419	0.000	95	495760	40.0	
*	4 Phenanthrene-d10	188	11.931	11.931	0.000	97	799300	40.0	
*	5 Chrysene-d12	240	14.319	14.324	-0.005	99	671113	40.0	
*	6 Perylene-d12	264	15.895	15.900	-0.005	97	611385	40.0	
$	7 2-Fluorophenol	112	5.226	5.222	0.000	93	348985	33.4	
$	8 Phenol-d5	99	6.348	6.343	0.000	97	418001	34.2	
$	9 Nitrobenzene-d5	82	7.486	7.486	0.000	91	358087	35.0	
$	10 2-Fluorobiphenyl	172	9.623	9.618	0.000	100	704171	38.8	
$	11 2,4,6-Tribromophenol	330	11.242	11.237	0.000	92	72129	34.0	
$	12 p-Terphenyl-d14	244	13.336	13.331	0.000	99	651117	45.1	
	80 Benzaldehyde	77		6.305				ND	
	81 Phenol	94		6.364				ND	
	83 Bis(2-chloroethyl)ether	93		6.487				ND	
	84 2-Chlorophenol	128		6.583				ND	
	92 2-Methylphenol	108		7.096				ND	
	93 2,2'-oxybis[1-chloropropan	45		7.133				ND	
	96 4-Methylphenol	108		7.272				ND	
	95 N-Nitrosodi-n-propylamine	70		7.288				ND	
	94 Acetophenone	105		7.299				ND	
	99 Hexachloroethane	117		7.459				ND	
	102 Nitrobenzene	77		7.513				ND	
	106 Isophorone	82		7.785				ND	
	107 2-Nitrophenol	139		7.892				ND	
	108 2,4-Dimethylphenol	107		7.908				ND	
	111 Bis(2-chloroethoxy)methane	93		8.020				ND	
	114 2,4-Dichlorophenol	162		8.175				ND	
	118 Naphthalene	128		8.383				ND	
	119 4-Chloroaniline	127		8.426				ND	
	121 Hexachlorobutadiene	225		8.528				ND	
	124 Caprolactam	113		8.827				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
129 4-Chloro-3-methylphenol	107		8.976				ND	
131 2-Methylnaphthalene	142		9.201				ND	
134 Hexachlorocyclopentadiene	237		9.398				ND	
137 2,4,6-Trichlorophenol	196		9.527				ND	
138 2,4,5-Trichlorophenol	196		9.575				ND	
140 1,1'-Biphenyl	154		9.751				ND	
141 2-Chloronaphthalene	162		9.783				ND	
143 2-Nitroaniline	65		9.885				ND	
146 Dimethyl phthalate	163		10.072				ND	
149 2,6-Dinitrotoluene	165		10.146				ND	
150 Acenaphthylene	152		10.264				ND	
151 3-Nitroaniline	138		10.344				ND	
153 2,4-Dinitrophenol	184		10.456				ND	
152 Acenaphthene	153		10.456				ND	
154 4-Nitrophenol	109		10.504				ND	
156 2,4-Dinitrotoluene	165		10.595				ND	
155 Dibenzofuran	168		10.638				ND	
161 Diethyl phthalate	149		10.836				ND	
163 4-Chlorophenyl phenyl ethe	204		10.980				ND	
164 4-Nitroaniline	138		10.996				ND	
162 Fluorene	166		11.001				ND	
165 4,6-Dinitro-2-methylphenol	198		11.028				ND	
168 N-Nitrosodiphenylamine	169		11.092				ND	
175 4-Bromophenyl phenyl ether	248		11.471				ND	
179 Hexachlorobenzene	284		11.562				ND	
180 Atrazine	200		11.599				ND	
183 Pentachlorophenol	266		11.744				ND	
188 Phenanthrene	178		11.952				ND	
189 Anthracene	178		12.000				ND	
192 Carbazole	167		12.134				ND	
195 Di-n-butyl phthalate	149		12.395				ND	
201 Fluoranthene	202		13.037				ND	
204 Pyrene	202		13.250				ND	
210 Butyl benzyl phthalate	149		13.731				ND	
216 Bis(2-ethylhexyl) phthalat	149		14.201				ND	
215 3,3'-Dichlorobenzidine	252		14.249				ND	
217 Benzo[a]anthracene	228		14.313				ND	
218 Chrysene	228		14.351				ND	
220 Di-n-octyl phthalate	149		14.799				ND	
221 Benzo[b]fluoranthene	252		15.424				ND	
222 Benzo[k]fluoranthene	252		15.451				ND	
225 Benzo[a]pyrene	252		15.830				ND	
228 Dibenz(a,h)anthracene	278		17.492				ND	
227 Indeno[1,2,3-cd]pyrene	276		17.497				ND	
229 Benzo[g,h,i]perylene	276		17.994				ND	

Reagents:

MB_INTSTD_STK_00055 Amount Added: 20.00 Units: uL Run Reagent

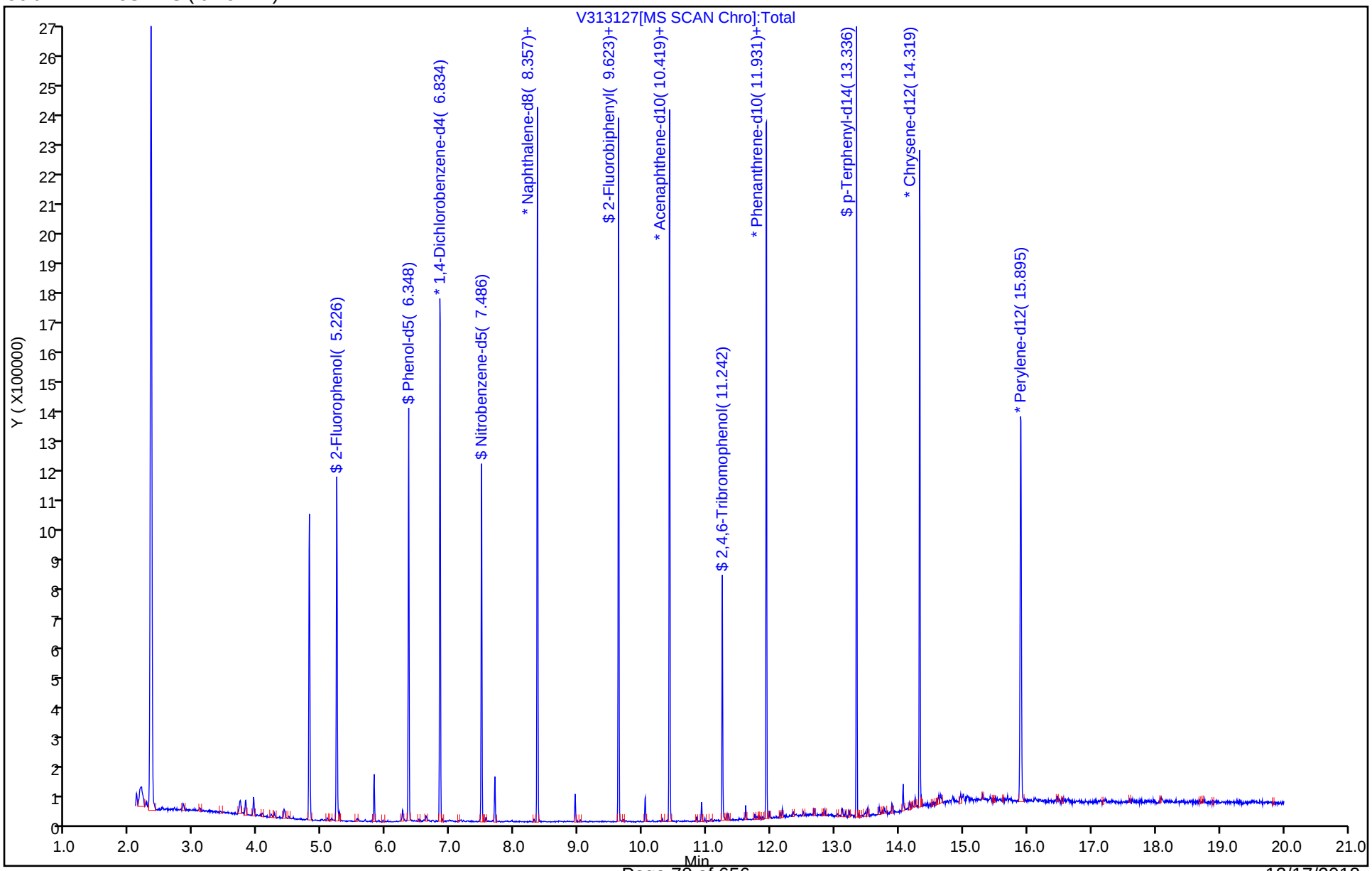
Report Date: 21-Nov-2018 12:14:10 Chrom Revision: 2.3 20-Nov-2018 10:08:14

TestAmerica Buffalo

Data File: \\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313127.D

Injection Date:	20-Nov-2018 16:00:30	Instrument ID:	HP5973V	Operator ID:	PJQ
Lims ID:	480-145287-B-2-A	Lab Sample ID:	480-145287-2	Worklist Smp#:	5
Client ID:	SW-02				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	V-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-145287-1

SDG No.:

Client Sample ID: SW-03 | Lab Sample ID: 480-145287-3

Matrix: Solid | Lab File ID: V313128.D

Analysis Method: 8270D | Date Collected: 11/13/2018 13:55

Extract. Method: 3550C | Date Extracted: 11/15/2018 14:22

Sample wt/vol: 30.63(g) | Date Analyzed: 11/20/2018 16:29

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 25.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 446676 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		220	60
88-06-2	2,4,6-Trichlorophenol	ND		220	45
120-83-2	2,4-Dichlorophenol	ND		220	24
105-67-9	2,4-Dimethylphenol	ND		220	54
51-28-5	2,4-Dinitrophenol	ND		2200	1000
121-14-2	2,4-Dinitrotoluene	ND		220	46
606-20-2	2,6-Dinitrotoluene	ND		220	26
91-58-7	2-Chloronaphthalene	ND		220	37
95-57-8	2-Chlorophenol	ND		220	41
91-57-6	2-Methylnaphthalene	ND		220	45
95-48-7	2-Methylphenol	ND		220	26
88-74-4	2-Nitroaniline	ND		430	33
88-75-5	2-Nitrophenol	ND		220	63
91-94-1	3,3'-Dichlorobenzidine	ND		430	260
99-09-2	3-Nitroaniline	ND		430	62
534-52-1	4,6-Dinitro-2-methylphenol	ND		430	220
101-55-3	4-Bromophenyl phenyl ether	ND		220	32
59-50-7	4-Chloro-3-methylphenol	ND		220	55
106-47-8	4-Chloroaniline	ND		220	55
7005-72-3	4-Chlorophenyl phenyl ether	ND		220	28
106-44-5	4-Methylphenol	ND		430	26
100-01-6	4-Nitroaniline	ND		430	120
100-02-7	4-Nitrophenol	ND		430	160
83-32-9	Acenaphthene	ND		220	33
208-96-8	Acenaphthylene	ND		220	29
98-86-2	Acetophenone	ND		220	30
120-12-7	Anthracene	ND		220	55
1912-24-9	Atrazine	ND		220	78
100-52-7	Benzaldehyde	ND		220	180
56-55-3	Benzo(a)anthracene	34	J	220	22
50-32-8	Benzo(a)pyrene	ND		220	33
205-99-2	Benzo(b)fluoranthene	ND		220	35
191-24-2	Benzo(g,h,i)perylene	ND		220	24
207-08-9	Benzo(k)fluoranthene	ND		220	29

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-145287-1

SDG No.:

Client Sample ID: SW-03 | Lab Sample ID: 480-145287-3

Matrix: Solid | Lab File ID: V313128.D

Analysis Method: 8270D | Date Collected: 11/13/2018 13:55

Extract. Method: 3550C | Date Extracted: 11/15/2018 14:22

Sample wt/vol: 30.63(g) | Date Analyzed: 11/20/2018 16:29

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 25.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 446676 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		220	33
108-60-1	bis (2-chloroisopropyl) ether	ND		220	45
111-91-1	Bis(2-chloroethoxy)methane	ND		220	47
111-44-4	Bis(2-chloroethyl)ether	ND		220	29
117-81-7	Bis(2-ethylhexyl) phthalate	ND		220	76
85-68-7	Butyl benzyl phthalate	ND		220	37
105-60-2	Caprolactam	ND		220	67
86-74-8	Carbazole	ND		220	26
218-01-9	Chrysene	ND		220	50
53-70-3	Dibenz(a,h)anthracene	ND		220	39
132-64-9	Dibenzofuran	ND		220	26
84-66-2	Diethyl phthalate	ND		220	29
131-11-3	Dimethyl phthalate	ND		220	26
84-74-2	Di-n-butyl phthalate	ND		220	38
117-84-0	Di-n-octyl phthalate	ND		220	26
206-44-0	Fluoranthene	110	J	220	24
86-73-7	Fluorene	ND		220	26
118-74-1	Hexachlorobenzene	ND		220	30
87-68-3	Hexachlorobutadiene	ND		220	33
77-47-4	Hexachlorocyclopentadiene	ND		220	30
67-72-1	Hexachloroethane	ND		220	29
193-39-5	Indeno(1,2,3-cd)pyrene	ND		220	28
78-59-1	Isophorone	ND		220	47
91-20-3	Naphthalene	ND		220	29
98-95-3	Nitrobenzene	ND		220	25
621-64-7	N-Nitrosodi-n-propylamine	ND		220	38
86-30-6	N-Nitrosodiphenylamine	ND		220	180
87-86-5	Pentachlorophenol	ND		430	220
85-01-8	Phenanthrene	160	J	220	33
108-95-2	Phenol	ND		220	34
129-00-0	Pyrene	100	J	220	26

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-145287-1

SDG No.:

Client Sample ID: SW-03 | Lab Sample ID: 480-145287-3

Matrix: Solid | Lab File ID: V313128.D

Analysis Method: 8270D | Date Collected: 11/13/2018 13:55

Extract. Method: 3550C | Date Extracted: 11/15/2018 14:22

Sample wt/vol: 30.63(g) | Date Analyzed: 11/20/2018 16:29

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 25.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 446676 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	91		54-120
321-60-8	2-Fluorobiphenyl	96		60-120
367-12-4	2-Fluorophenol	83		52-120
4165-60-0	Nitrobenzene-d5	89		53-120
4165-62-2	Phenol-d5	85		54-120
1718-51-0	p-Terphenyl-d14	121		65-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313128.D
Lims ID: 480-145287-C-3-A
Client ID: SW-03
Sample Type: Client
Inject. Date: 20-Nov-2018 16:29:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0076624-006
Operator ID: PJQ Instrument ID: HP5973V

Method: \\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 21-Nov-2018 12:15:43 Calib Date: 14-Nov-2018 18:42:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313041.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0311

First Level Reviewer: quirkp Date: 21-Nov-2018 12:15:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.834	6.840	-0.006	97	270910	40.0	
* 2 Naphthalene-d8	136	8.357	8.357	0.000	100	966360	40.0	
* 3 Acenaphthene-d10	164	10.419	10.419	0.000	95	478845	40.0	
* 4 Phenanthrene-d10	188	11.925	11.931	-0.006	98	794843	40.0	
* 5 Chrysene-d12	240	14.319	14.324	-0.005	99	635617	40.0	
* 6 Perylene-d12	264	15.900	15.900	0.000	97	566383	40.0	
$ 7 2-Fluorophenol	112	5.226	5.222	0.000	94	323894	33.1	
$ 8 Phenol-d5	99	6.348	6.343	0.000	97	390776	34.1	
$ 9 Nitrobenzene-d5	82	7.486	7.486	0.000	90	337909	35.7	
$ 10 2-Fluorobiphenyl	172	9.623	9.618	0.000	100	672914	38.4	
$ 11 2,4,6-Tribromophenol	330	11.242	11.237	0.000	92	76428	36.2	
$ 12 p-Terphenyl-d14	244	13.336	13.331	0.000	99	659263	48.2	
80 Benzaldehyde	77		6.305				ND	
81 Phenol	94		6.364				ND	
83 Bis(2-chloroethyl)ether	93		6.487				ND	
84 2-Chlorophenol	128		6.583				ND	
92 2-Methylphenol	108		7.096				ND	
93 2,2'-oxybis[1-chloropropan	45		7.133				ND	
96 4-Methylphenol	108		7.272				ND	
95 N-Nitrosodi-n-propylamine	70		7.288				ND	
94 Acetophenone	105		7.299				ND	
99 Hexachloroethane	117		7.459				ND	
102 Nitrobenzene	77		7.513				ND	
106 Isophorone	82		7.785				ND	
107 2-Nitrophenol	139		7.892				ND	
108 2,4-Dimethylphenol	107		7.908				ND	
111 Bis(2-chloroethoxy)methane	93		8.020				ND	
114 2,4-Dichlorophenol	162		8.175				ND	
118 Naphthalene	128	8.383	8.384	0.000	93	5114	0.2176	
119 4-Chloroaniline	127		8.426				ND	
121 Hexachlorobutadiene	225		8.528				ND	
124 Caprolactam	113		8.827				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
129 4-Chloro-3-methylphenol	107		8.976				ND	
131 2-Methylnaphthalene	142	9.201	9.201	0.000	80	2857	0.1791	
134 Hexachlorocyclopentadiene	237		9.398				ND	
137 2,4,6-Trichlorophenol	196		9.527				ND	
138 2,4,5-Trichlorophenol	196		9.575				ND	
140 1,1'-Biphenyl	154		9.751				ND	
141 2-Chloronaphthalene	162		9.783				ND	
143 2-Nitroaniline	65		9.885				ND	
146 Dimethyl phthalate	163		10.072				ND	
149 2,6-Dinitrotoluene	165		10.146				ND	
150 Acenaphthylene	152		10.264				ND	
151 3-Nitroaniline	138		10.344				ND	
153 2,4-Dinitrophenol	184		10.456				ND	
152 Acenaphthene	153		10.456				ND	U
154 4-Nitrophenol	109		10.504				ND	
156 2,4-Dinitrotoluene	165		10.595				ND	
155 Dibenzofuran	168	10.633	10.638	-0.005	95	7366	0.3726	
161 Diethyl phthalate	149		10.836				ND	
163 4-Chlorophenyl phenyl ethe	204		10.980				ND	
164 4-Nitroaniline	138		10.996				ND	
162 Fluorene	166	10.996	11.001	-0.005	95	8322	0.5149	
165 4,6-Dinitro-2-methylphenol	198		11.028				ND	
168 N-Nitrosodiphenylamine	169		11.092				ND	
175 4-Bromophenyl phenyl ether	248		11.471				ND	
179 Hexachlorobenzene	284		11.562				ND	
180 Atrazine	200		11.599				ND	
183 Pentachlorophenol	266		11.744				ND	
188 Phenanthrene	178	11.952	11.947	0.000	97	76254	3.57	
189 Anthracene	178	11.995	11.995	-0.005	94	8473	0.3954	
192 Carbazole	167		12.134				ND	
195 Di-n-butyl phthalate	149		12.395				ND	
201 Fluoranthene	202	13.047	13.031	0.011	97	54126	2.46	
204 Pyrene	202	13.250	13.245	0.000	97	45917	2.33	
210 Butyl benzyl phthalate	149		13.731				ND	
216 Bis(2-ethylhexyl) phthalat	149		14.201				ND	
215 3,3'-Dichlorobenzidine	252		14.249				ND	
217 Benzo[a]anthracene	228	14.308	14.308	-0.005	95	15042	0.7759	
218 Chrysene	228	14.345	14.346	-0.006	72	13212	0.7189	
220 Di-n-octyl phthalate	149		14.799				ND	
221 Benzo[b]fluoranthene	252	15.419	15.425	-0.005	95	9084	0.5504	
222 Benzo[k]fluoranthene	252		15.451				ND	U
225 Benzo[a]pyrene	252		15.830				ND	U
228 Dibenz(a,h)anthracene	278		17.492				ND	
227 Indeno[1,2,3-cd]pyrene	276		17.497				ND	
229 Benzo[g,h,i]perylene	276		17.994				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

MB_INTSTD_STK_00055 Amount Added: 20.00 Units: uL Run Reagent

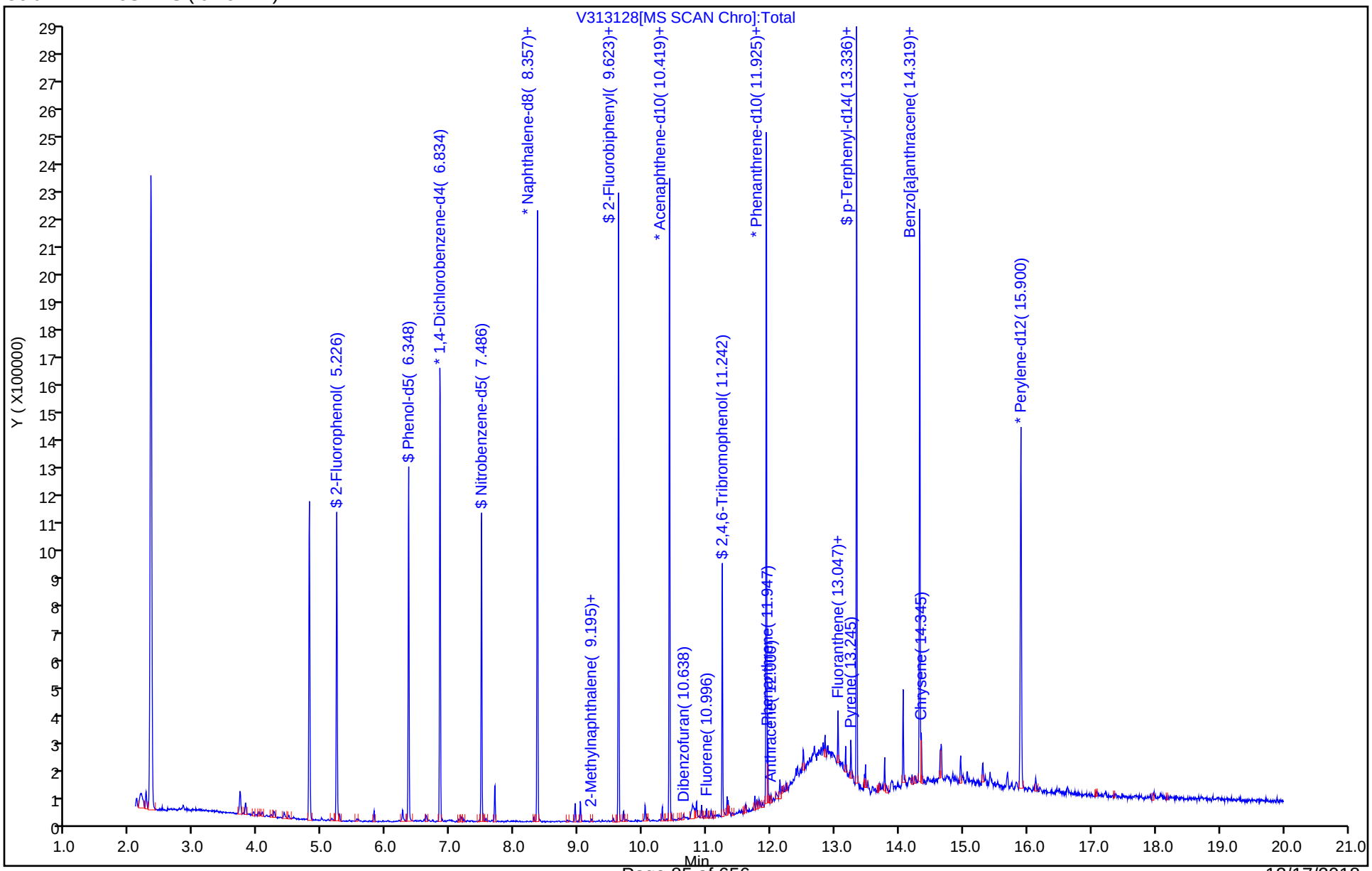
Report Date: 21-Nov-2018 12:15:48 Chrom Revision: 2.3 20-Nov-2018 10:08:14

TestAmerica Buffalo

Data File: \\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313128.D

Injection Date:	20-Nov-2018 16:29:30	Instrument ID:	HP5973V	Operator ID:	PJQ
Lims ID:	480-145287-C-3-A	Lab Sample ID:	480-145287-3	Worklist Smp#:	6
Client ID:	SW-03				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	V-8270	Limit Group:	MB - 8270D ICAL		

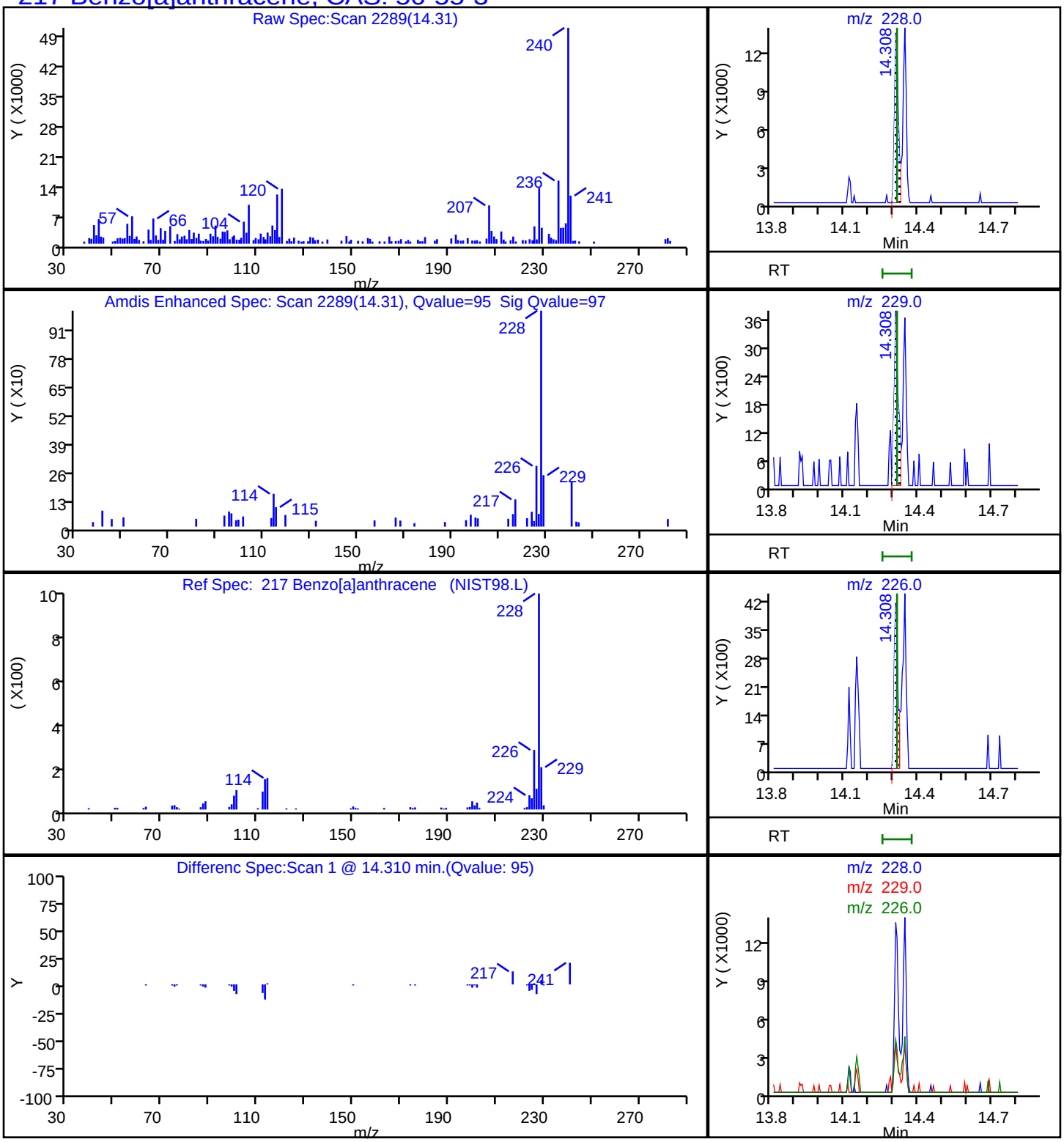
Column: RXI-5Sil MS (0.25 mm)



TestAmerica Buffalo

Data File:	\\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313128.D				
Injection Date:	20-Nov-2018 16:29:30	Instrument ID:	HP5973V		
Lims ID:	480-145287-C-3-A	Lab Sample ID:	480-145287-3		
Client ID:	SW-03				
Operator ID:	PJQ	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	V-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

217 Benzo[a]anthracene, CAS: 56-55-3

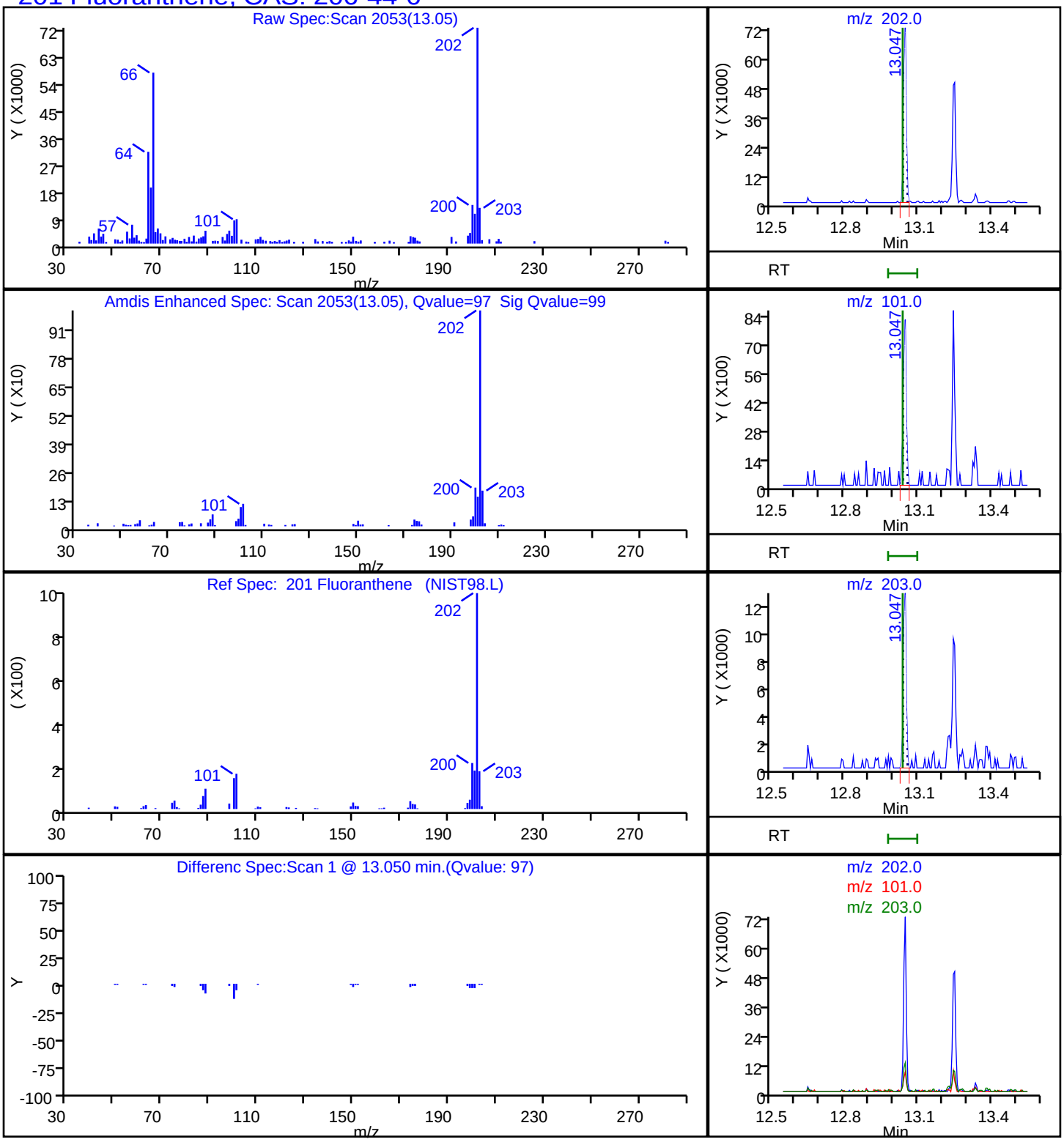


TestAmerica Buffalo

Data File: \\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313128.D

Injection Date:	20-Nov-2018 16:29:30	Instrument ID:	HP5973V
Lims ID:	480-145287-C-3-A	Lab Sample ID:	480-145287-3
Client ID:	SW-03		
Operator ID:	PJQ	ALS Bottle#:	6 Worklist Smp#: 6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	V-8270	Limit Group:	MB - 8270D ICAL
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN

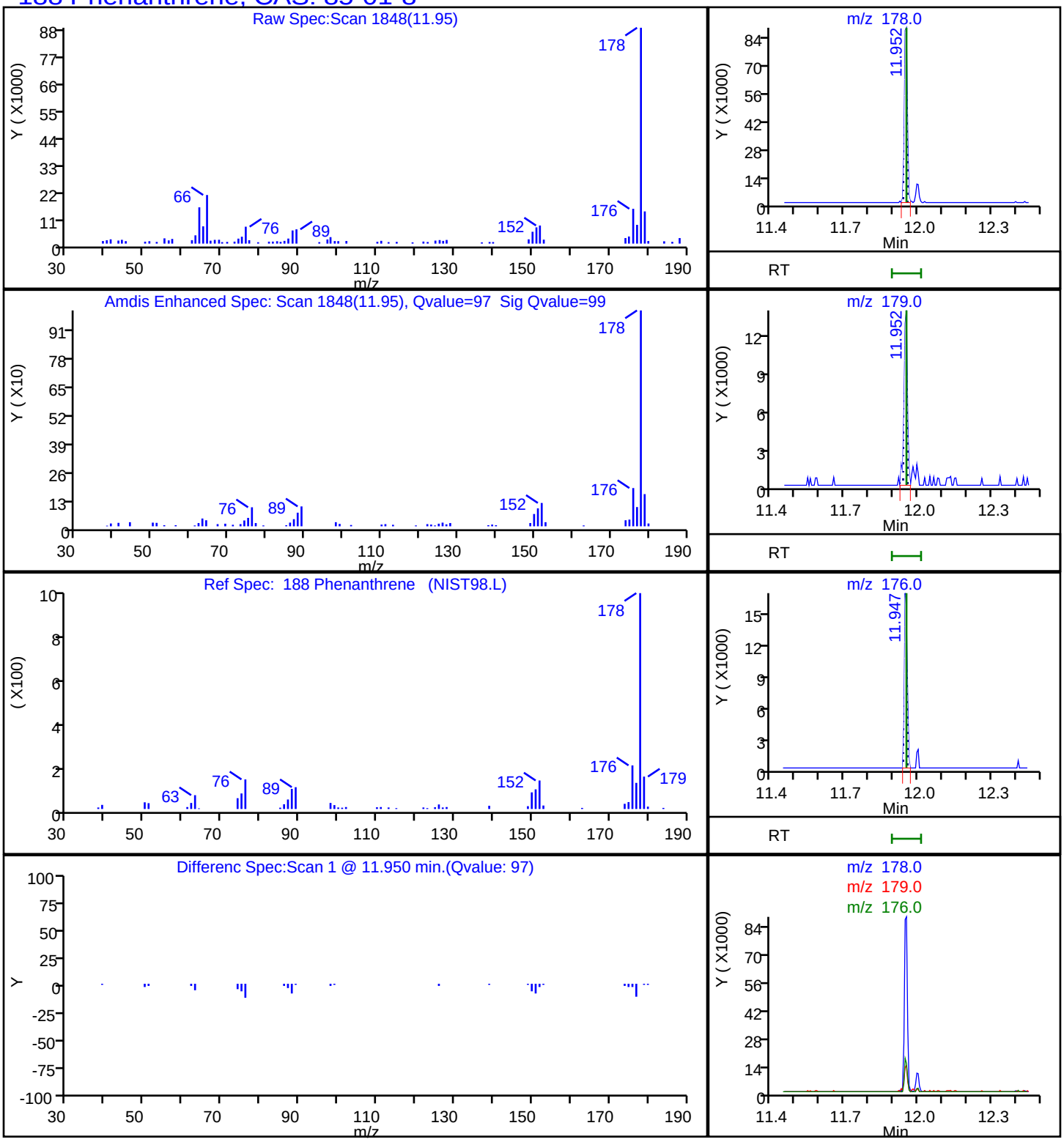
201 Fluoranthene, CAS: 206-44-0



TestAmerica Buffalo

Data File:	\\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313128.D				
Injection Date:	20-Nov-2018 16:29:30	Instrument ID:	HP5973V		
Lims ID:	480-145287-C-3-A	Lab Sample ID:	480-145287-3		
Client ID:	SW-03				
Operator ID:	PJQ	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	V-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

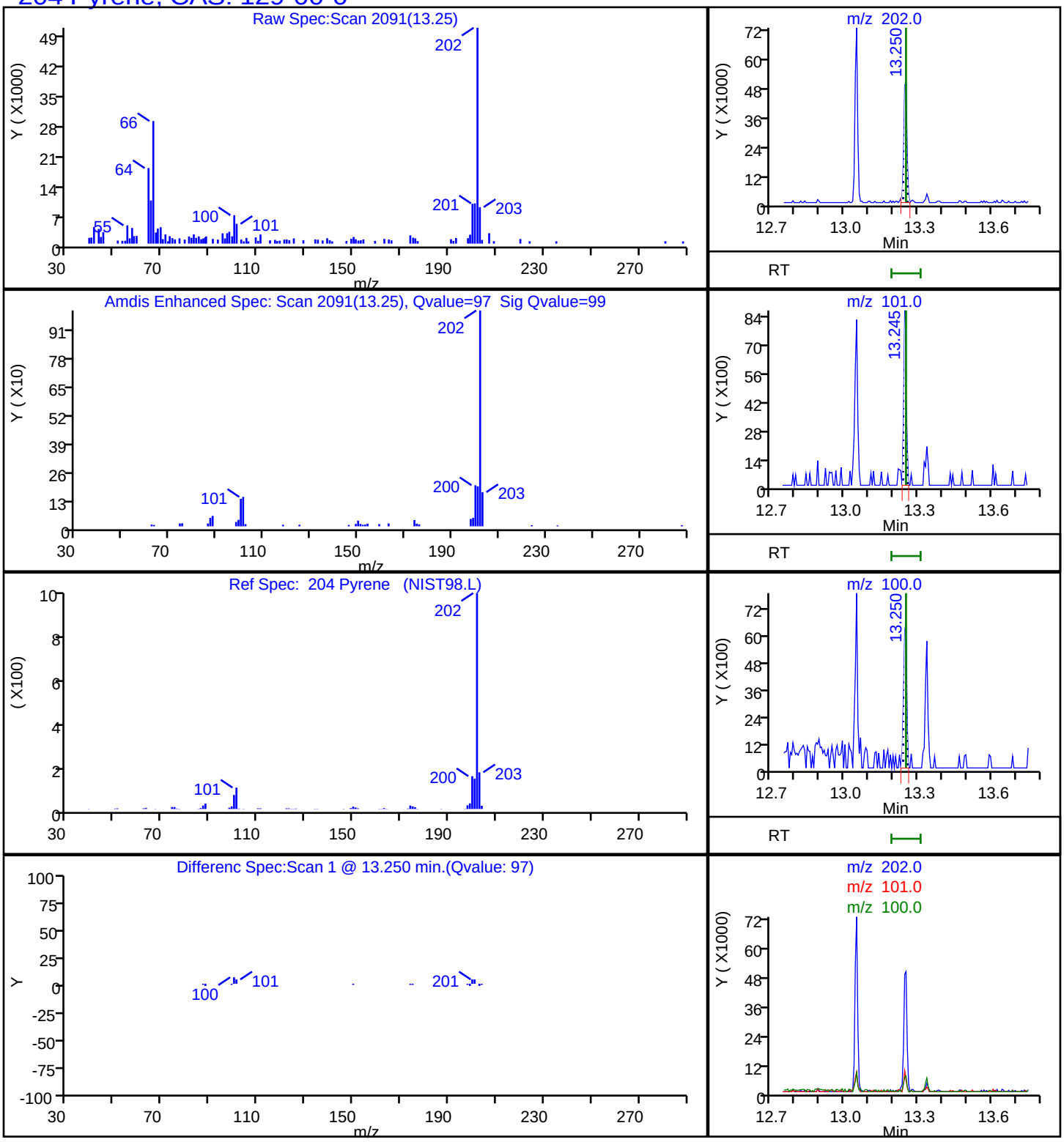
188 Phenanthrene, CAS: 85-01-8



TestAmerica Buffalo

Data File:	\\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313128.D				
Injection Date:	20-Nov-2018 16:29:30	Instrument ID:	HP5973V		
Lims ID:	480-145287-C-3-A	Lab Sample ID:	480-145287-3		
Client ID:	SW-03				
Operator ID:	PJQ	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	V-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

204 Pyrene, CAS: 129-00-0



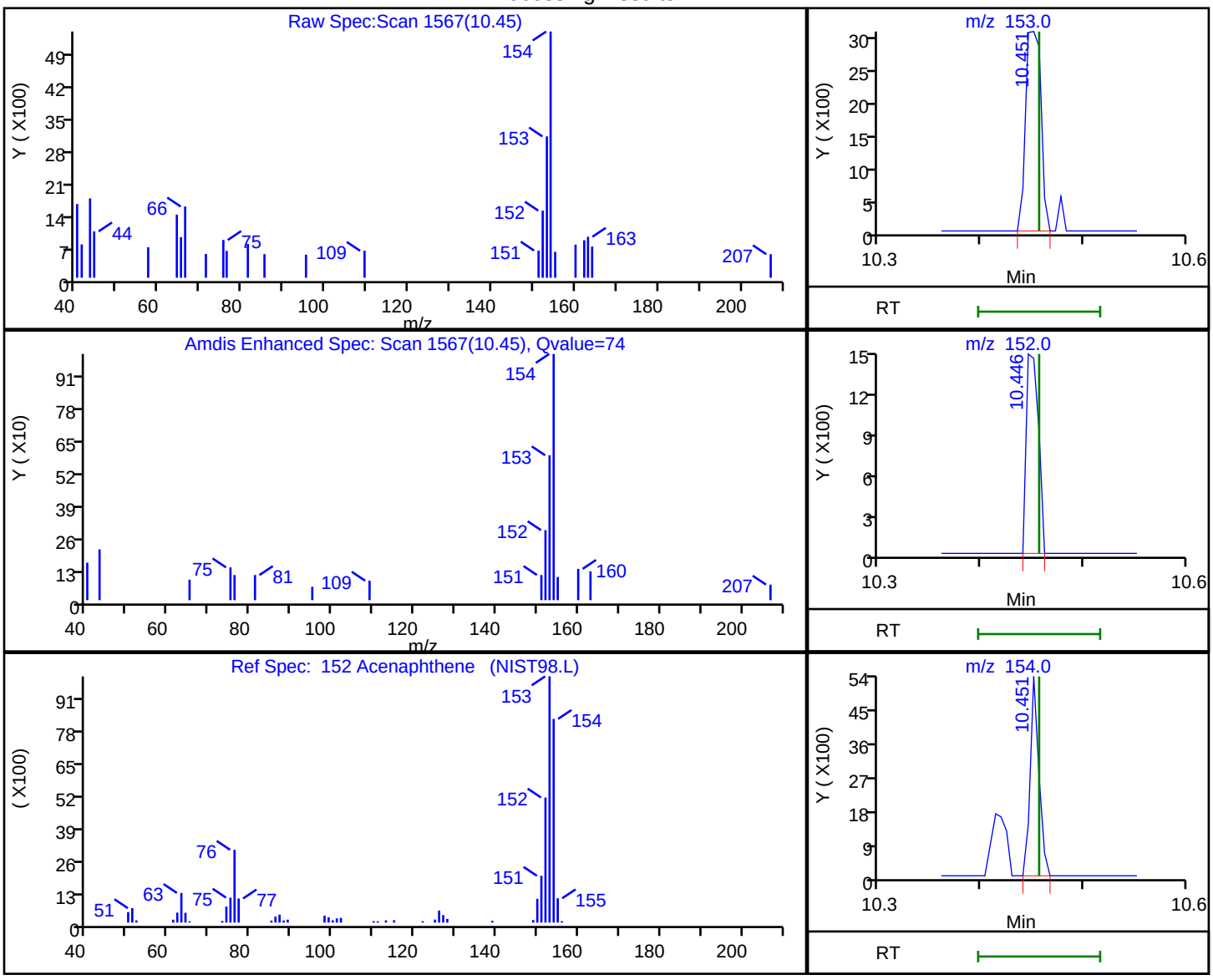
User Disabled Compound Report

TestAmerica Buffalo

Data File:	\\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313128.D				
Injection Date:	20-Nov-2018 16:29:30	Instrument ID:	HP5973V		
Lims ID:	480-145287-C-3-A	Lab Sample ID:	480-145287-3		
Client ID:	SW-03				
Operator ID:	PJQ	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	V-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

152 Acenaphthene, CAS: 83-32-9

Processing Results



RT	Mass	Response	Amount
10.45	153.00	3248	0.234242
10.45	152.00	1238	
10.45	154.00	3202	

Reviewer: quirkp, 21-Nov-2018 12:14:46

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

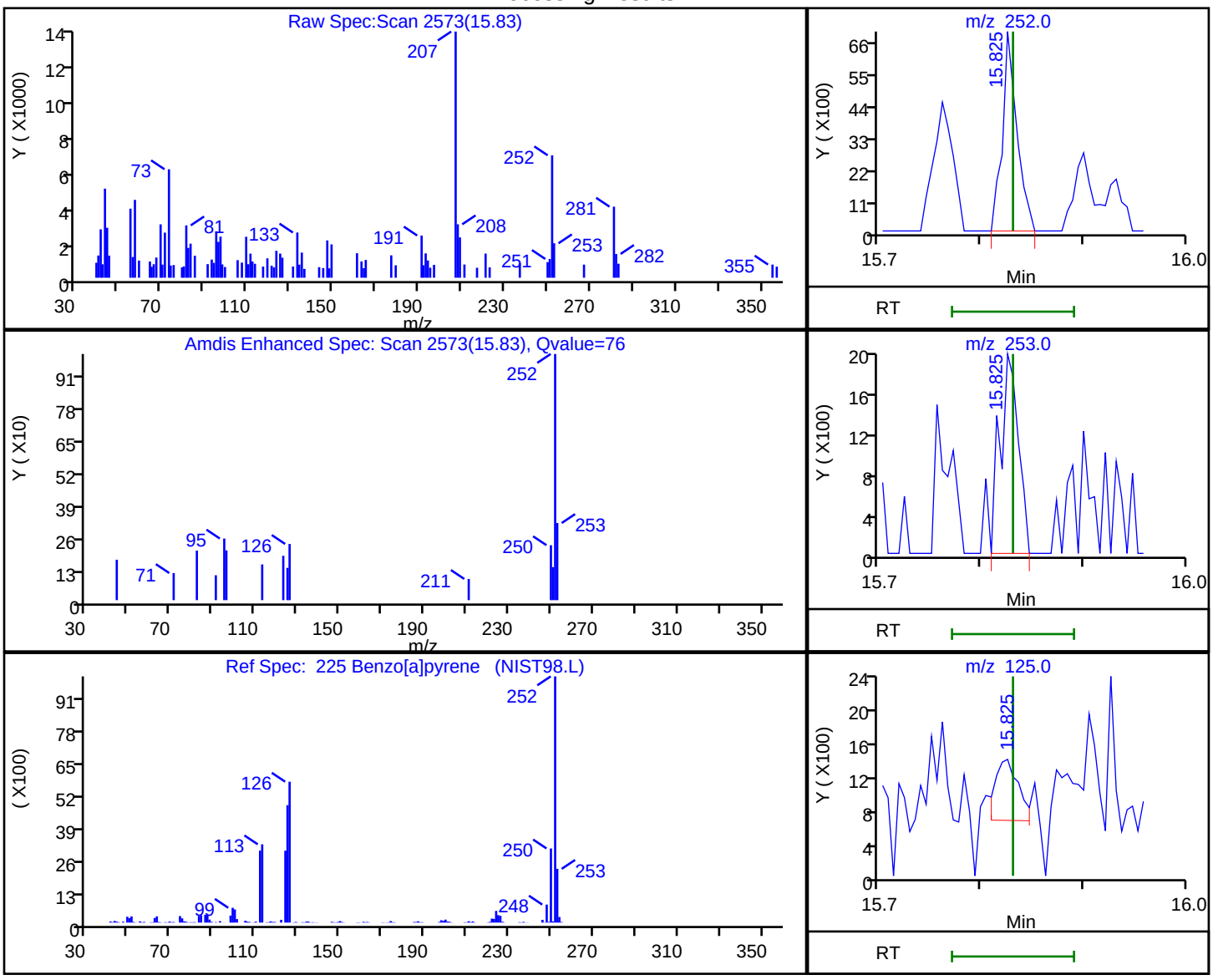
User Disabled Compound Report

TestAmerica Buffalo

Data File:	\\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313128.D				
Injection Date:	20-Nov-2018 16:29:30	Instrument ID:	HP5973V		
Lims ID:	480-145287-C-3-A	Lab Sample ID:	480-145287-3		
Client ID:	SW-03				
Operator ID:	PJQ	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	V-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

225 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
15.83	252.00	6878	0.434413
15.83	253.00	2422	
15.83	125.00	1137	

Reviewer: quirkp, 21-Nov-2018 12:15:18

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

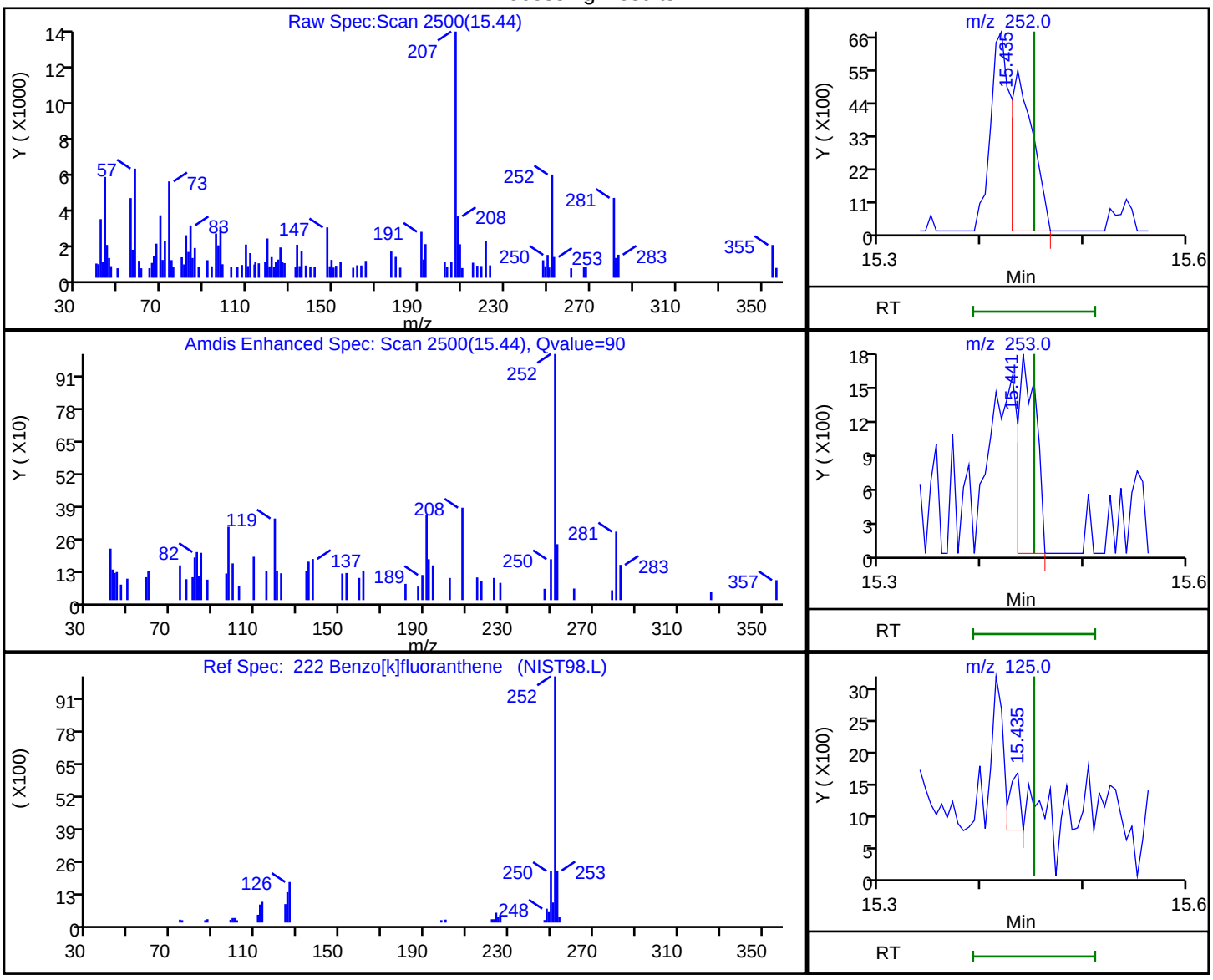
User Disabled Compound Report

TestAmerica Buffalo

Data File:	\\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313128.D				
Injection Date:	20-Nov-2018 16:29:30	Instrument ID:	HP5973V		
Lims ID:	480-145287-C-3-A	Lab Sample ID:	480-145287-3		
Client ID:	SW-03				
Operator ID:	PJQ	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	V-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

222 Benzo[k]fluoranthene, CAS: 207-08-9

Processing Results



RT	Mass	Response	Amount
15.44	252.00	7921	0.468706
15.44	253.00	2072	
15.44	125.00	647	

Reviewer: quirkp, 21-Nov-2018 12:15:10

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-145287-1

SDG No.:

Client Sample ID: SW-04 | Lab Sample ID: 480-145287-4

Matrix: Solid | Lab File ID: V313129.D

Analysis Method: 8270D | Date Collected: 11/13/2018 14:35

Extract. Method: 3550C | Date Extracted: 11/15/2018 14:22

Sample wt/vol: 30.37(g) | Date Analyzed: 11/20/2018 16:57

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 16.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 446676 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		200	55
88-06-2	2,4,6-Trichlorophenol	ND		200	40
120-83-2	2,4-Dichlorophenol	ND		200	21
105-67-9	2,4-Dimethylphenol	ND		200	49
51-28-5	2,4-Dinitrophenol	ND		2000	930
121-14-2	2,4-Dinitrotoluene	ND		200	41
606-20-2	2,6-Dinitrotoluene	ND		200	24
91-58-7	2-Chloronaphthalene	ND		200	33
95-57-8	2-Chlorophenol	ND		200	37
91-57-6	2-Methylnaphthalene	ND		200	40
95-48-7	2-Methylphenol	ND		200	24
88-74-4	2-Nitroaniline	ND		390	30
88-75-5	2-Nitrophenol	ND		200	57
91-94-1	3,3'-Dichlorobenzidine	ND		390	240
99-09-2	3-Nitroaniline	ND		390	56
534-52-1	4,6-Dinitro-2-methylphenol	ND		390	200
101-55-3	4-Bromophenyl phenyl ether	ND		200	28
59-50-7	4-Chloro-3-methylphenol	ND		200	50
106-47-8	4-Chloroaniline	ND		200	50
7005-72-3	4-Chlorophenyl phenyl ether	ND		200	25
106-44-5	4-Methylphenol	ND		390	24
100-01-6	4-Nitroaniline	ND		390	110
100-02-7	4-Nitrophenol	ND		390	140
83-32-9	Acenaphthene	ND		200	30
208-96-8	Acenaphthylene	ND		200	26
98-86-2	Acetophenone	ND		200	27
120-12-7	Anthracene	ND		200	50
1912-24-9	Atrazine	ND		200	70
100-52-7	Benzaldehyde	ND		200	160
56-55-3	Benzo(a)anthracene	ND		200	20
50-32-8	Benzo(a)pyrene	ND		200	30
205-99-2	Benzo(b)fluoranthene	ND		200	32
191-24-2	Benzo(g,h,i)perylene	ND		200	21
207-08-9	Benzo(k)fluoranthene	ND		200	26

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-145287-1

SDG No.:

Client Sample ID: SW-04 | Lab Sample ID: 480-145287-4

Matrix: Solid | Lab File ID: V313129.D

Analysis Method: 8270D | Date Collected: 11/13/2018 14:35

Extract. Method: 3550C | Date Extracted: 11/15/2018 14:22

Sample wt/vol: 30.37(g) | Date Analyzed: 11/20/2018 16:57

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 16.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 446676 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		200	30
108-60-1	bis (2-chloroisopropyl) ether	ND		200	40
111-91-1	Bis(2-chloroethoxy)methane	ND		200	43
111-44-4	Bis(2-chloroethyl)ether	ND		200	26
117-81-7	Bis(2-ethylhexyl) phthalate	ND		200	69
85-68-7	Butyl benzyl phthalate	ND		200	33
105-60-2	Caprolactam	ND		200	60
86-74-8	Carbazole	ND		200	24
218-01-9	Chrysene	ND		200	45
53-70-3	Dibenz(a,h)anthracene	ND		200	36
132-64-9	Dibenzofuran	ND		200	24
84-66-2	Diethyl phthalate	ND		200	26
131-11-3	Dimethyl phthalate	ND		200	24
84-74-2	Di-n-butyl phthalate	ND		200	34
117-84-0	Di-n-octyl phthalate	ND		200	24
206-44-0	Fluoranthene	ND		200	21
86-73-7	Fluorene	ND		200	24
118-74-1	Hexachlorobenzene	ND		200	27
87-68-3	Hexachlorobutadiene	ND		200	30
77-47-4	Hexachlorocyclopentadiene	ND		200	27
67-72-1	Hexachloroethane	ND		200	26
193-39-5	Indeno(1,2,3-cd)pyrene	ND		200	25
78-59-1	Isophorone	ND		200	43
91-20-3	Naphthalene	ND		200	26
98-95-3	Nitrobenzene	ND		200	23
621-64-7	N-Nitrosodi-n-propylamine	ND		200	34
86-30-6	N-Nitrosodiphenylamine	ND		200	160
87-86-5	Pentachlorophenol	ND		390	200
85-01-8	Phenanthrene	ND		200	30
108-95-2	Phenol	ND		200	31
129-00-0	Pyrene	ND		200	24

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-145287-1

SDG No.:

Client Sample ID: SW-04 | Lab Sample ID: 480-145287-4

Matrix: Solid | Lab File ID: V313129.D

Analysis Method: 8270D | Date Collected: 11/13/2018 14:35

Extract. Method: 3550C | Date Extracted: 11/15/2018 14:22

Sample wt/vol: 30.37(g) | Date Analyzed: 11/20/2018 16:57

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 16.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 446676 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	70		54-120
321-60-8	2-Fluorobiphenyl	91		60-120
367-12-4	2-Fluorophenol	76		52-120
4165-60-0	Nitrobenzene-d5	84		53-120
4165-62-2	Phenol-d5	80		54-120
1718-51-0	p-Terphenyl-d14	107		65-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313129.D
Lims ID: 480-145287-C-4-A
Client ID: SW-04
Sample Type: Client
Inject. Date: 20-Nov-2018 16:57:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0076624-007
Operator ID: PJQ Instrument ID: HP5973V

Method: \\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 21-Nov-2018 12:16:53 Calib Date: 14-Nov-2018 18:42:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313041.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0311

First Level Reviewer: quirkp Date: 21-Nov-2018 12:17:00

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
*	1 1,4-Dichlorobenzene-d4	152	6.834	6.840	-0.006	98	293816	40.0	
*	2 Naphthalene-d8	136	8.357	8.357	0.000	100	1024753	40.0	
*	3 Acenaphthene-d10	164	10.419	10.419	0.000	95	483533	40.0	
*	4 Phenanthrene-d10	188	11.925	11.931	-0.006	97	746224	40.0	
*	5 Chrysene-d12	240	14.319	14.324	-0.005	99	590814	40.0	
*	6 Perylene-d12	264	15.900	15.900	0.000	97	523873	40.0	
$	7 2-Fluorophenol	112	5.226	5.222	0.000	95	321383	30.3	
$	8 Phenol-d5	99	6.348	6.343	0.000	97	398705	32.1	
$	9 Nitrobenzene-d5	82	7.486	7.486	0.000	91	336283	33.5	
$	10 2-Fluorobiphenyl	172	9.623	9.618	0.000	100	642753	36.4	
$	11 2,4,6-Tribromophenol	330	11.242	11.237	0.000	91	55768	28.2	
$	12 p-Terphenyl-d14	244	13.336	13.331	0.000	99	542650	42.7	
	80 Benzaldehyde	77		6.305				ND	
	81 Phenol	94		6.364				ND	
	83 Bis(2-chloroethyl)ether	93		6.487				ND	
	84 2-Chlorophenol	128		6.583				ND	
	92 2-Methylphenol	108		7.096				ND	
	93 2,2'-oxybis[1-chloropropan	45		7.133				ND	
	96 4-Methylphenol	108		7.272				ND	
	95 N-Nitrosodi-n-propylamine	70		7.288				ND	
	94 Acetophenone	105		7.299				ND	
	99 Hexachloroethane	117		7.459				ND	
	102 Nitrobenzene	77		7.513				ND	
	106 Isophorone	82		7.785				ND	
	107 2-Nitrophenol	139		7.892				ND	
	108 2,4-Dimethylphenol	107		7.908				ND	
	111 Bis(2-chloroethoxy)methane	93		8.020				ND	
	114 2,4-Dichlorophenol	162		8.175				ND	
	118 Naphthalene	128	8.383	8.384	0.000	96	10469	0.4200	
	119 4-Chloroaniline	127		8.426				ND	
	121 Hexachlorobutadiene	225		8.528				ND	
	124 Caprolactam	113		8.827				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
129 4-Chloro-3-methylphenol	107		8.976				ND	
131 2-Methylnaphthalene	142	9.201	9.201	0.000	90	6057	0.3582	
134 Hexachlorocyclopentadiene	237		9.398				ND	
137 2,4,6-Trichlorophenol	196		9.527				ND	
138 2,4,5-Trichlorophenol	196		9.575				ND	
140 1,1'-Biphenyl	154	9.746	9.751	-0.005	90	9281	0.1270	
141 2-Chloronaphthalene	162		9.783				ND	
143 2-Nitroaniline	65		9.885				ND	
146 Dimethyl phthalate	163		10.072				ND	
149 2,6-Dinitrotoluene	165		10.146				ND	
150 Acenaphthylene	152		10.264				ND	
151 3-Nitroaniline	138		10.344				ND	
153 2,4-Dinitrophenol	184		10.456				ND	
152 Acenaphthene	153		10.456				ND	
154 4-Nitrophenol	109		10.504				ND	
156 2,4-Dinitrotoluene	165		10.595				ND	
155 Dibenzofuran	168		10.638				ND	
161 Diethyl phthalate	149		10.836				ND	
163 4-Chlorophenyl phenyl ethe	204		10.980				ND	
164 4-Nitroaniline	138		10.996				ND	
162 Fluorene	166		11.001				ND	U
165 4,6-Dinitro-2-methylphenol	198		11.028				ND	
168 N-Nitrosodiphenylamine	169		11.092				ND	
175 4-Bromophenyl phenyl ether	248		11.471				ND	
179 Hexachlorobenzene	284		11.562				ND	
180 Atrazine	200		11.599				ND	
183 Pentachlorophenol	266		11.744				ND	
188 Phenanthrene	178	11.952	11.947	0.000	91	7490	0.3736	
189 Anthracene	178		12.000				ND	
192 Carbazole	167		12.134				ND	
195 Di-n-butyl phthalate	149		12.395				ND	
201 Fluoranthene	202	13.037	13.031	0.001	93	3983	0.1926	
204 Pyrene	202		13.250				ND	
210 Butyl benzyl phthalate	149		13.731				ND	
216 Bis(2-ethylhexyl) phthalat	149		14.201				ND	
215 3,3'-Dichlorobenzidine	252		14.249				ND	
217 Benzo[a]anthracene	228		14.313				ND	
218 Chrysene	228		14.351				ND	
220 Di-n-octyl phthalate	149		14.799				ND	
221 Benzo[b]fluoranthene	252		15.424				ND	
222 Benzo[k]fluoranthene	252		15.451				ND	
225 Benzo[a]pyrene	252		15.830				ND	
228 Dibenz(a,h)anthracene	278		17.492				ND	
227 Indeno[1,2,3-cd]pyrene	276		17.497				ND	
229 Benzo[g,h,i]perylene	276		17.994				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

MB_INTSTD_STK_00055 Amount Added: 20.00 Units: uL Run Reagent

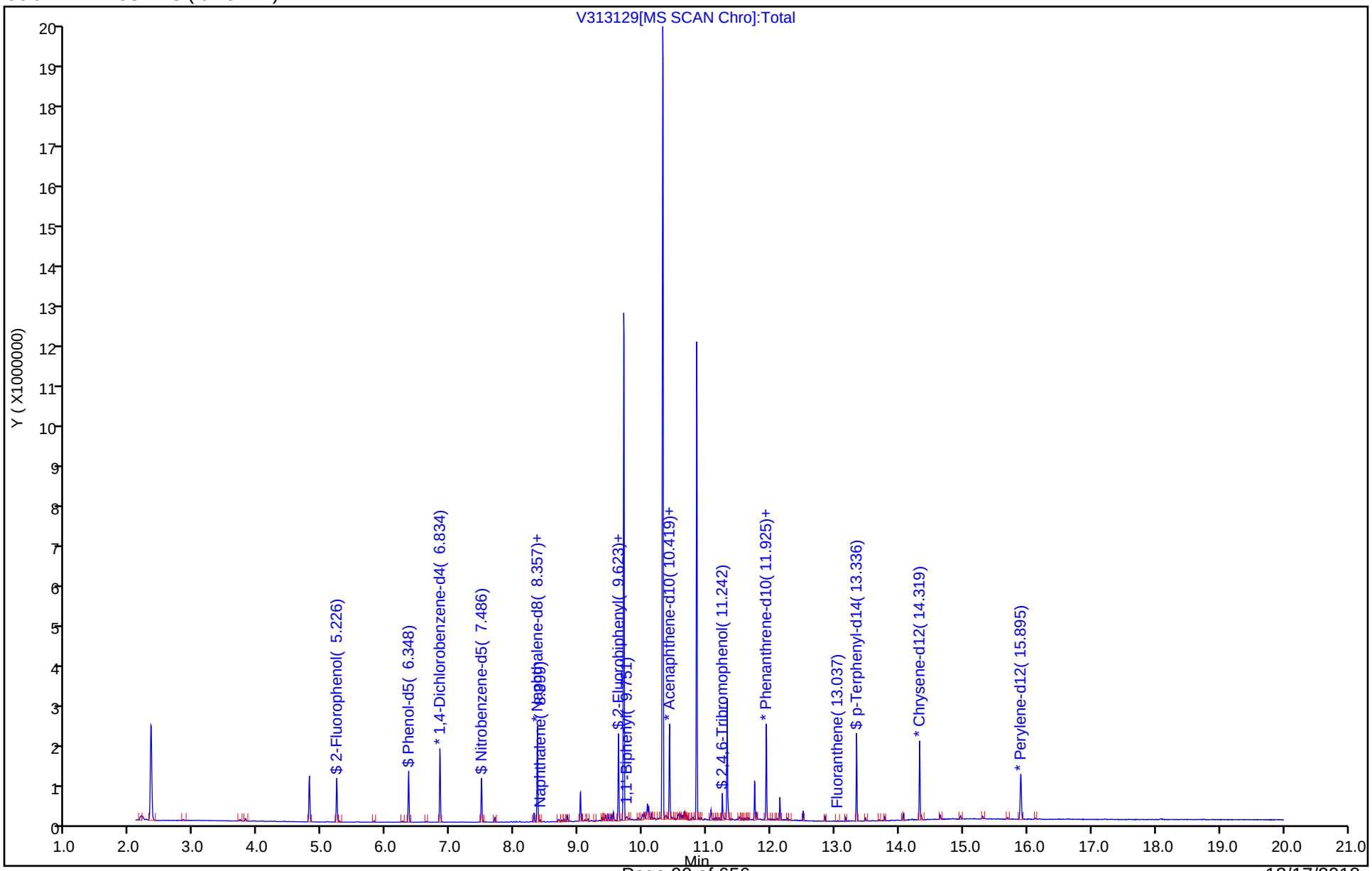
Report Date: 21-Nov-2018 12:17:01 Chrom Revision: 2.3 20-Nov-2018 10:08:14

TestAmerica Buffalo

Data File: \\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313129.D

Injection Date:	20-Nov-2018 16:57:30	Instrument ID:	HP5973V	Operator ID:	PJQ
Lims ID:	480-145287-C-4-A	Lab Sample ID:	480-145287-4	Worklist Smp#:	7
Client ID:	SW-04				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	V-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



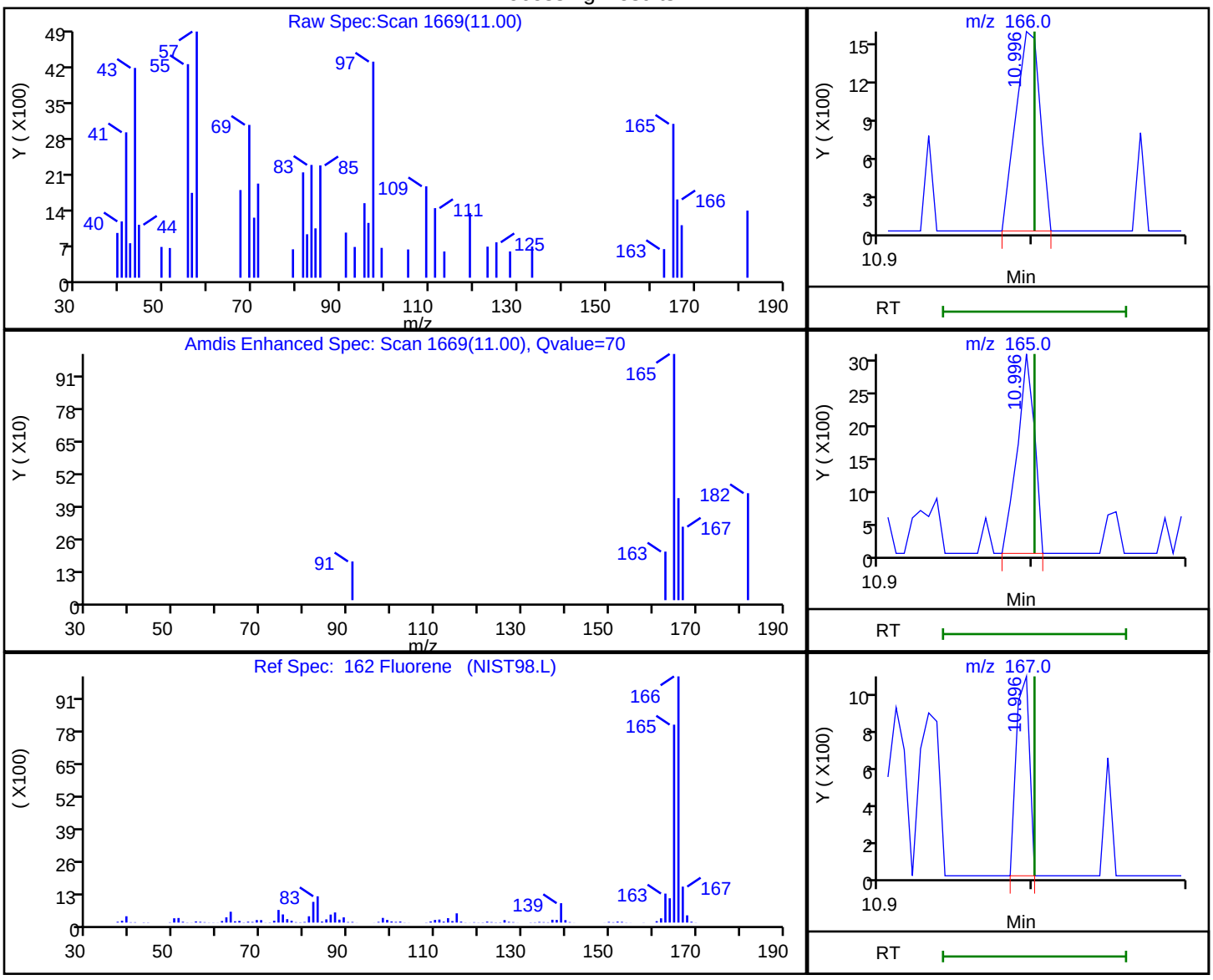
User Disabled Compound Report

TestAmerica Buffalo

Data File:	\\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313129.D				
Injection Date:	20-Nov-2018 16:57:30	Instrument ID:	HP5973V		
Lims ID:	480-145287-C-4-A	Lab Sample ID:	480-145287-4		
Client ID:	SW-04				
Operator ID:	PJQ	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	V-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

162 Fluorene, CAS: 86-73-7

Processing Results



RT	Mass	Response	Amount
11.00	166.00	1693	0.103726
11.00	165.00	2343	
11.00	167.00	620	

Reviewer: quirkp, 21-Nov-2018 12:16:16

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-145287-1

SDG No.:

Client Sample ID: B-1 | Lab Sample ID: 480-145287-5

Matrix: Solid | Lab File ID: V313130.D

Analysis Method: 8270D | Date Collected: 11/13/2018 13:40

Extract. Method: 3550C | Date Extracted: 11/15/2018 14:22

Sample wt/vol: 30.12(g) | Date Analyzed: 11/20/2018 17:25

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 16.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 446676 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		200	55
88-06-2	2,4,6-Trichlorophenol	ND		200	41
120-83-2	2,4-Dichlorophenol	ND		200	22
105-67-9	2,4-Dimethylphenol	ND		200	49
51-28-5	2,4-Dinitrophenol	ND		2000	940
121-14-2	2,4-Dinitrotoluene	ND		200	42
606-20-2	2,6-Dinitrotoluene	ND		200	24
91-58-7	2-Chloronaphthalene	ND		200	34
95-57-8	2-Chlorophenol	ND		200	37
91-57-6	2-Methylnaphthalene	ND		200	41
95-48-7	2-Methylphenol	ND		200	24
88-74-4	2-Nitroaniline	ND		400	30
88-75-5	2-Nitrophenol	ND		200	58
91-94-1	3,3'-Dichlorobenzidine	ND		400	240
99-09-2	3-Nitroaniline	ND		400	56
534-52-1	4,6-Dinitro-2-methylphenol	ND		400	200
101-55-3	4-Bromophenyl phenyl ether	ND		200	29
59-50-7	4-Chloro-3-methylphenol	ND		200	50
106-47-8	4-Chloroaniline	ND		200	50
7005-72-3	4-Chlorophenyl phenyl ether	ND		200	25
106-44-5	4-Methylphenol	ND		400	24
100-01-6	4-Nitroaniline	ND		400	110
100-02-7	4-Nitrophenol	ND		400	140
83-32-9	Acenaphthene	ND		200	30
208-96-8	Acenaphthylene	ND		200	26
98-86-2	Acetophenone	ND		200	28
120-12-7	Anthracene	ND		200	50
1912-24-9	Atrazine	ND		200	71
100-52-7	Benzaldehyde	ND		200	160
56-55-3	Benzo(a)anthracene	ND		200	20
50-32-8	Benzo(a)pyrene	ND		200	30
205-99-2	Benzo(b)fluoranthene	ND		200	32
191-24-2	Benzo(g,h,i)perylene	ND		200	22
207-08-9	Benzo(k)fluoranthene	ND		200	26

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-145287-1

SDG No.:

Client Sample ID: B-1 | Lab Sample ID: 480-145287-5

Matrix: Solid | Lab File ID: V313130.D

Analysis Method: 8270D | Date Collected: 11/13/2018 13:40

Extract. Method: 3550C | Date Extracted: 11/15/2018 14:22

Sample wt/vol: 30.12(g) | Date Analyzed: 11/20/2018 17:25

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 16.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 446676 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		200	30
108-60-1	bis (2-chloroisopropyl) ether	ND		200	41
111-91-1	Bis(2-chloroethoxy)methane	ND		200	43
111-44-4	Bis(2-chloroethyl)ether	ND		200	26
117-81-7	Bis(2-ethylhexyl) phthalate	ND		200	69
85-68-7	Butyl benzyl phthalate	ND		200	34
105-60-2	Caprolactam	ND		200	61
86-74-8	Carbazole	ND		200	24
218-01-9	Chrysene	ND		200	46
53-70-3	Dibenz(a,h)anthracene	ND		200	36
132-64-9	Dibenzofuran	ND		200	24
84-66-2	Diethyl phthalate	ND		200	26
131-11-3	Dimethyl phthalate	85	J	200	24
84-74-2	Di-n-butyl phthalate	ND		200	35
117-84-0	Di-n-octyl phthalate	ND		200	24
206-44-0	Fluoranthene	ND		200	22
86-73-7	Fluorene	ND		200	24
118-74-1	Hexachlorobenzene	ND		200	28
87-68-3	Hexachlorobutadiene	ND		200	30
77-47-4	Hexachlorocyclopentadiene	ND		200	28
67-72-1	Hexachloroethane	ND		200	26
193-39-5	Indeno(1,2,3-cd)pyrene	ND		200	25
78-59-1	Isophorone	ND		200	43
91-20-3	Naphthalene	ND		200	26
98-95-3	Nitrobenzene	ND		200	23
621-64-7	N-Nitrosodi-n-propylamine	ND		200	35
86-30-6	N-Nitrosodiphenylamine	ND		200	170
87-86-5	Pentachlorophenol	ND		400	200
85-01-8	Phenanthrene	ND		200	30
108-95-2	Phenol	ND		200	31
129-00-0	Pyrene	ND		200	24

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-145287-1

SDG No.:

Client Sample ID: B-1 | Lab Sample ID: 480-145287-5

Matrix: Solid | Lab File ID: V313130.D

Analysis Method: 8270D | Date Collected: 11/13/2018 13:40

Extract. Method: 3550C | Date Extracted: 11/15/2018 14:22

Sample wt/vol: 30.12(g) | Date Analyzed: 11/20/2018 17:25

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 16.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 446676 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	78		54-120
321-60-8	2-Fluorobiphenyl	101		60-120
367-12-4	2-Fluorophenol	88		52-120
4165-60-0	Nitrobenzene-d5	93		53-120
4165-62-2	Phenol-d5	90		54-120
1718-51-0	p-Terphenyl-d14	119		65-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313130.D
Lims ID: 480-145287-A-5-A
Client ID: B-1
Sample Type: Client
Inject. Date: 20-Nov-2018 17:25:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0076624-008
Operator ID: PJQ Instrument ID: HP5973V

Method: \\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 21-Nov-2018 12:17:51 Calib Date: 14-Nov-2018 18:42:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313041.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0311

First Level Reviewer: quirkp Date: 21-Nov-2018 12:18:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.834	6.840	-0.006	97	290905	40.0	
* 2 Naphthalene-d8	136	8.357	8.357	0.000	100	1037690	40.0	
* 3 Acenaphthene-d10	164	10.419	10.419	0.000	96	498198	40.0	
* 4 Phenanthrene-d10	188	11.925	11.931	-0.006	98	777292	40.0	
* 5 Chrysene-d12	240	14.319	14.324	-0.005	99	600031	40.0	
* 6 Perylene-d12	264	15.895	15.900	-0.005	97	525500	40.0	
$ 7 2-Fluorophenol	112	5.226	5.222	0.000	94	368056	35.0	
$ 8 Phenol-d5	99	6.348	6.343	0.000	97	444855	36.2	
$ 9 Nitrobenzene-d5	82	7.486	7.486	0.000	91	378156	37.2	
$ 10 2-Fluorobiphenyl	172	9.623	9.618	0.000	100	735877	40.4	
$ 11 2,4,6-Tribromophenol	330	11.242	11.237	0.000	91	64146	31.1	
$ 12 p-Terphenyl-d14	244	13.336	13.331	0.000	99	612573	47.5	
80 Benzaldehyde	77		6.305				ND	
81 Phenol	94		6.364				ND	
83 Bis(2-chloroethyl)ether	93		6.487				ND	
84 2-Chlorophenol	128		6.583				ND	
92 2-Methylphenol	108		7.096				ND	
93 2,2'-oxybis[1-chloropropan	45		7.133				ND	
96 4-Methylphenol	108		7.272				ND	
95 N-Nitrosodi-n-propylamine	70		7.288				ND	
94 Acetophenone	105		7.299				ND	
99 Hexachloroethane	117		7.459				ND	
102 Nitrobenzene	77		7.513				ND	
106 Isophorone	82		7.785				ND	
107 2-Nitrophenol	139		7.892				ND	
108 2,4-Dimethylphenol	107		7.908				ND	
111 Bis(2-chloroethoxy)methane	93		8.020				ND	
114 2,4-Dichlorophenol	162		8.175				ND	
118 Naphthalene	128		8.383				ND	
119 4-Chloroaniline	127		8.426				ND	
121 Hexachlorobutadiene	225		8.528				ND	
124 Caprolactam	113		8.827				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
129 4-Chloro-3-methylphenol	107		8.976				ND	
131 2-Methylnaphthalene	142		9.201				ND	
134 Hexachlorocyclopentadiene	237		9.398				ND	
137 2,4,6-Trichlorophenol	196		9.527				ND	
138 2,4,5-Trichlorophenol	196		9.575				ND	
140 1,1'-Biphenyl	154		9.751				ND	
141 2-Chloronaphthalene	162		9.783				ND	
143 2-Nitroaniline	65		9.885				ND	
146 Dimethyl phthalate	163	10.066	10.072	-0.006	99	35133	2.14	
149 2,6-Dinitrotoluene	165		10.146				ND	
150 Acenaphthylene	152		10.264				ND	
151 3-Nitroaniline	138		10.344				ND	
153 2,4-Dinitrophenol	184		10.456				ND	
152 Acenaphthene	153		10.456				ND	
154 4-Nitrophenol	109		10.504				ND	
156 2,4-Dinitrotoluene	165		10.595				ND	
155 Dibenzofuran	168		10.638				ND	
161 Diethyl phthalate	149		10.836				ND	
163 4-Chlorophenyl phenyl ethe	204		10.980				ND	
164 4-Nitroaniline	138		10.996				ND	
162 Fluorene	166		11.001				ND	
165 4,6-Dinitro-2-methylphenol	198		11.028				ND	
168 N-Nitrosodiphenylamine	169		11.092				ND	
175 4-Bromophenyl phenyl ether	248		11.471				ND	
179 Hexachlorobenzene	284		11.562				ND	
180 Atrazine	200		11.599				ND	
183 Pentachlorophenol	266		11.744				ND	
188 Phenanthrene	178	11.947	11.947	-0.005	90	4896	0.2344	
189 Anthracene	178		12.000				ND	
192 Carbazole	167		12.134				ND	
195 Di-n-butyl phthalate	149		12.395				ND	
201 Fluoranthene	202	13.037	13.031	0.001	93	6088	0.2826	
204 Pyrene	202	13.245	13.245	-0.005	95	5265	0.2830	
210 Butyl benzyl phthalate	149		13.731				ND	
216 Bis(2-ethylhexyl) phthalat	149		14.201				ND	
215 3,3'-Dichlorobenzidine	252		14.249				ND	
217 Benzo[a]anthracene	228		14.313				ND	
218 Chrysene	228		14.351				ND	
220 Di-n-octyl phthalate	149		14.799				ND	
221 Benzo[b]fluoranthene	252		15.424				ND	
222 Benzo[k]fluoranthene	252		15.451				ND	
225 Benzo[a]pyrene	252		15.830				ND	
228 Dibenz(a,h)anthracene	278		17.492				ND	
227 Indeno[1,2,3-cd]pyrene	276		17.497				ND	
229 Benzo[g,h,i]perylene	276		17.994				ND	

Reagents:

MB_INTSTD_STK_00055 Amount Added: 20.00 Units: uL Run Reagent

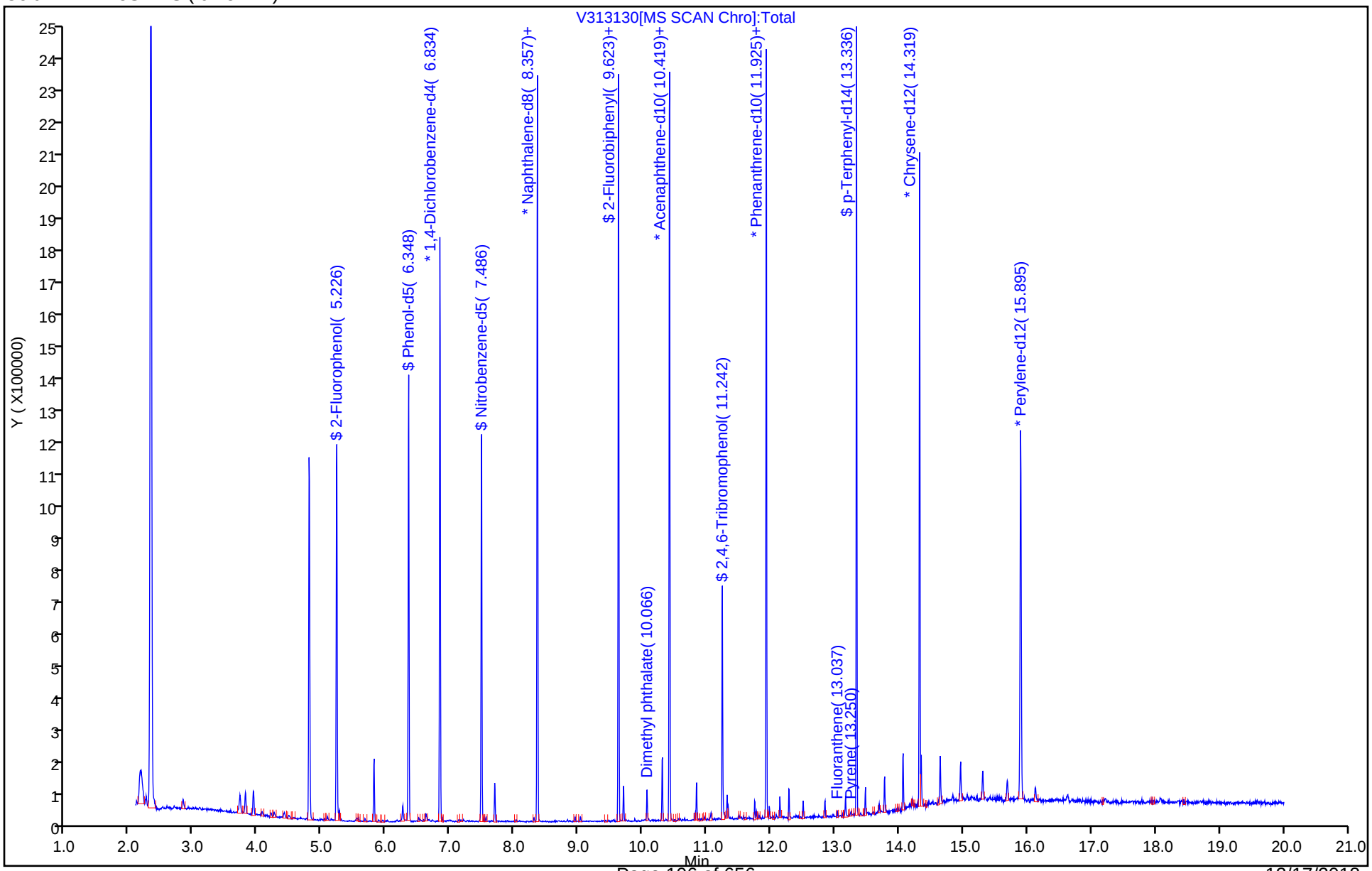
Report Date: 21-Nov-2018 12:18:08 Chrom Revision: 2.3 20-Nov-2018 10:08:14

TestAmerica Buffalo

Data File: \\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313130.D

Injection Date:	20-Nov-2018 17:25:30	Instrument ID:	HP5973V	Operator ID:	PJQ
Lims ID:	480-145287-A-5-A	Lab Sample ID:	480-145287-5	Worklist Smp#:	8
Client ID:	B-1				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	V-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)

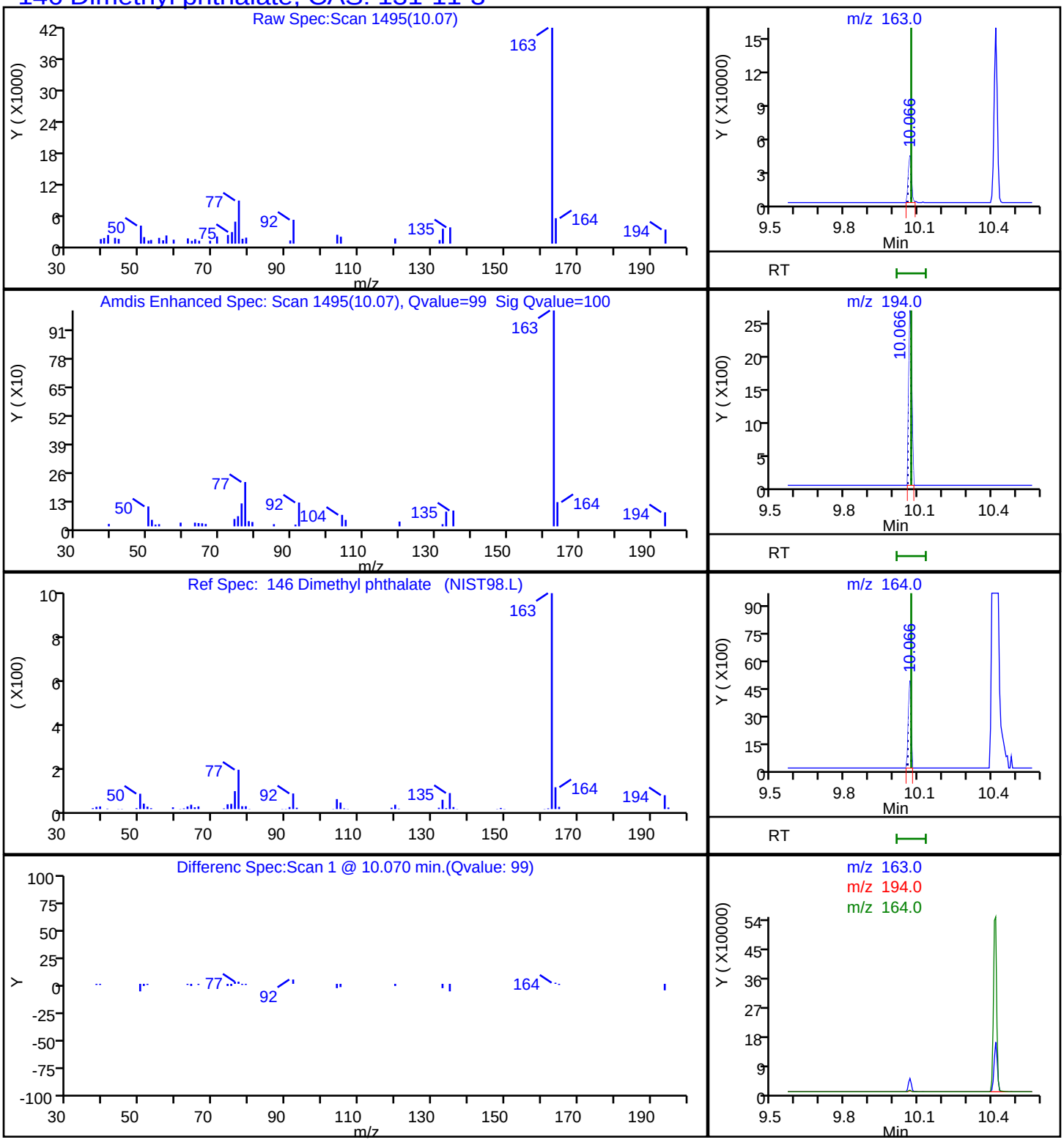


TestAmerica Buffalo

Data File: \\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313130.D

Injection Date:	20-Nov-2018 17:25:30	Instrument ID:	HP5973V
Lims ID:	480-145287-A-5-A	Lab Sample ID:	480-145287-5
Client ID:	B-1		
Operator ID:	PJQ	ALS Bottle#:	8 Worklist Smp#: 8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	V-8270	Limit Group:	MB - 8270D ICAL
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN

146 Dimethyl phthalate, CAS: 131-11-3



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-145287-1

SDG No.:

Client Sample ID: SW-05 | Lab Sample ID: 480-145287-6

Matrix: Solid | Lab File ID: V313131.D

Analysis Method: 8270D | Date Collected: 11/13/2018 14:40

Extract. Method: 3550C | Date Extracted: 11/15/2018 14:22

Sample wt/vol: 30.86(g) | Date Analyzed: 11/20/2018 17:52

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 14.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 446676 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		190	52
88-06-2	2,4,6-Trichlorophenol	ND		190	39
120-83-2	2,4-Dichlorophenol	ND		190	20
105-67-9	2,4-Dimethylphenol	ND		190	47
51-28-5	2,4-Dinitrophenol	ND		1900	890
121-14-2	2,4-Dinitrotoluene	ND		190	40
606-20-2	2,6-Dinitrotoluene	ND		190	23
91-58-7	2-Chloronaphthalene	ND		190	32
95-57-8	2-Chlorophenol	ND		190	35
91-57-6	2-Methylnaphthalene	ND		190	39
95-48-7	2-Methylphenol	ND		190	23
88-74-4	2-Nitroaniline	ND		370	28
88-75-5	2-Nitrophenol	ND		190	54
91-94-1	3,3'-Dichlorobenzidine	ND		370	230
99-09-2	3-Nitroaniline	ND		370	53
534-52-1	4,6-Dinitro-2-methylphenol	ND		370	190
101-55-3	4-Bromophenyl phenyl ether	ND		190	27
59-50-7	4-Chloro-3-methylphenol	ND		190	48
106-47-8	4-Chloroaniline	ND		190	48
7005-72-3	4-Chlorophenyl phenyl ether	ND		190	24
106-44-5	4-Methylphenol	ND		370	23
100-01-6	4-Nitroaniline	ND		370	100
100-02-7	4-Nitrophenol	ND		370	140
83-32-9	Acenaphthene	ND		190	28
208-96-8	Acenaphthylene	ND		190	25
98-86-2	Acetophenone	ND		190	26
120-12-7	Anthracene	ND		190	48
1912-24-9	Atrazine	ND		190	67
100-52-7	Benzaldehyde	ND		190	150
56-55-3	Benzo(a)anthracene	ND		190	19
50-32-8	Benzo(a)pyrene	ND		190	28
205-99-2	Benzo(b)fluoranthene	ND		190	31
191-24-2	Benzo(g,h,i)perylene	ND		190	20
207-08-9	Benzo(k)fluoranthene	ND		190	25

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-145287-1

SDG No.:

Client Sample ID: SW-05 | Lab Sample ID: 480-145287-6

Matrix: Solid | Lab File ID: V313131.D

Analysis Method: 8270D | Date Collected: 11/13/2018 14:40

Extract. Method: 3550C | Date Extracted: 11/15/2018 14:22

Sample wt/vol: 30.86(g) | Date Analyzed: 11/20/2018 17:52

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 14.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 446676 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		190	28
108-60-1	bis (2-chloroisopropyl) ether	ND		190	39
111-91-1	Bis(2-chloroethoxy)methane	ND		190	41
111-44-4	Bis(2-chloroethyl)ether	ND		190	25
117-81-7	Bis(2-ethylhexyl) phthalate	ND		190	66
85-68-7	Butyl benzyl phthalate	ND		190	32
105-60-2	Caprolactam	ND		190	58
86-74-8	Carbazole	ND		190	23
218-01-9	Chrysene	ND		190	43
53-70-3	Dibenz(a,h)anthracene	ND		190	34
132-64-9	Dibenzofuran	ND		190	23
84-66-2	Diethyl phthalate	ND		190	25
131-11-3	Dimethyl phthalate	ND		190	23
84-74-2	Di-n-butyl phthalate	ND		190	33
117-84-0	Di-n-octyl phthalate	ND		190	23
206-44-0	Fluoranthene	24	J	190	20
86-73-7	Fluorene	ND		190	23
118-74-1	Hexachlorobenzene	ND		190	26
87-68-3	Hexachlorobutadiene	ND		190	28
77-47-4	Hexachlorocyclopentadiene	ND		190	26
67-72-1	Hexachloroethane	ND		190	25
193-39-5	Indeno(1,2,3-cd)pyrene	ND		190	24
78-59-1	Isophorone	ND		190	41
91-20-3	Naphthalene	ND		190	25
98-95-3	Nitrobenzene	ND		190	22
621-64-7	N-Nitrosodi-n-propylamine	ND		190	33
86-30-6	N-Nitrosodiphenylamine	ND		190	160
87-86-5	Pentachlorophenol	ND		370	190
85-01-8	Phenanthrene	ND		190	28
108-95-2	Phenol	ND		190	30
129-00-0	Pyrene	ND		190	23

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-145287-1

SDG No.:

Client Sample ID: SW-05 | Lab Sample ID: 480-145287-6

Matrix: Solid | Lab File ID: V313131.D

Analysis Method: 8270D | Date Collected: 11/13/2018 14:40

Extract. Method: 3550C | Date Extracted: 11/15/2018 14:22

Sample wt/vol: 30.86(g) | Date Analyzed: 11/20/2018 17:52

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 14.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 446676 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	90		54-120
321-60-8	2-Fluorobiphenyl	96		60-120
367-12-4	2-Fluorophenol	84		52-120
4165-60-0	Nitrobenzene-d5	88		53-120
4165-62-2	Phenol-d5	87		54-120
1718-51-0	p-Terphenyl-d14	113		65-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313131.D
Lims ID: 480-145287-A-6-A
Client ID: SW-05
Sample Type: Client
Inject. Date: 20-Nov-2018 17:52:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0076624-009
Operator ID: PJQ Instrument ID: HP5973V

Method: \\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 21-Nov-2018 12:19:03 Calib Date: 14-Nov-2018 18:42:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313041.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0311

First Level Reviewer: quirkp Date: 21-Nov-2018 12:19:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.834	6.840	-0.006	97	306691	40.0	
* 2 Naphthalene-d8	136	8.357	8.357	0.000	100	1107276	40.0	
* 3 Acenaphthene-d10	164	10.419	10.419	0.000	94	514854	40.0	
* 4 Phenanthrene-d10	188	11.925	11.931	-0.006	99	832727	40.0	
* 5 Chrysene-d12	240	14.319	14.324	-0.005	99	665248	40.0	
* 6 Perylene-d12	264	15.895	15.900	-0.005	97	588331	40.0	
$ 7 2-Fluorophenol	112	5.226	5.222	0.000	94	371508	33.5	
$ 8 Phenol-d5	99	6.348	6.343	0.000	97	449601	34.7	
$ 9 Nitrobenzene-d5	82	7.486	7.486	0.000	91	381050	35.1	
$ 10 2-Fluorobiphenyl	172	9.623	9.618	0.000	100	723542	38.4	
$ 11 2,4,6-Tribromophenol	330	11.242	11.237	0.000	92	79571	36.0	
$ 12 p-Terphenyl-d14	244	13.336	13.331	0.000	99	645313	45.1	
80 Benzaldehyde	77		6.305				ND	
81 Phenol	94		6.364				ND	
83 Bis(2-chloroethyl)ether	93		6.487				ND	
84 2-Chlorophenol	128		6.583				ND	
92 2-Methylphenol	108		7.096				ND	
93 2,2'-oxybis[1-chloropropan	45		7.133				ND	
96 4-Methylphenol	108		7.272				ND	
95 N-Nitrosodi-n-propylamine	70		7.288				ND	
94 Acetophenone	105		7.299				ND	
99 Hexachloroethane	117		7.459				ND	
102 Nitrobenzene	77		7.513				ND	
106 Isophorone	82		7.785				ND	
107 2-Nitrophenol	139		7.892				ND	
108 2,4-Dimethylphenol	107		7.908				ND	
111 Bis(2-chloroethoxy)methane	93		8.020				ND	
114 2,4-Dichlorophenol	162		8.175				ND	
118 Naphthalene	128		8.383				ND	
119 4-Chloroaniline	127		8.426				ND	
121 Hexachlorobutadiene	225		8.528				ND	
124 Caprolactam	113		8.827				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
129 4-Chloro-3-methylphenol	107		8.976				ND	
131 2-Methylnaphthalene	142		9.201				ND	
134 Hexachlorocyclopentadiene	237		9.398				ND	
137 2,4,6-Trichlorophenol	196		9.527				ND	
138 2,4,5-Trichlorophenol	196		9.575				ND	
140 1,1'-Biphenyl	154		9.751				ND	
141 2-Chloronaphthalene	162		9.783				ND	
143 2-Nitroaniline	65		9.885				ND	
146 Dimethyl phthalate	163		10.072				ND	
149 2,6-Dinitrotoluene	165		10.146				ND	
150 Acenaphthylene	152		10.264				ND	
151 3-Nitroaniline	138		10.344				ND	
153 2,4-Dinitrophenol	184		10.456				ND	
152 Acenaphthene	153		10.456				ND	
154 4-Nitrophenol	109		10.504				ND	
156 2,4-Dinitrotoluene	165		10.595				ND	
155 Dibenzofuran	168		10.638				ND	
161 Diethyl phthalate	149		10.836				ND	
163 4-Chlorophenyl phenyl ethe	204		10.980				ND	
164 4-Nitroaniline	138		10.996				ND	
162 Fluorene	166		11.001				ND	U
165 4,6-Dinitro-2-methylphenol	198		11.028				ND	
168 N-Nitrosodiphenylamine	169		11.092				ND	
175 4-Bromophenyl phenyl ether	248		11.471				ND	
179 Hexachlorobenzene	284		11.562				ND	
180 Atrazine	200		11.599				ND	
183 Pentachlorophenol	266		11.744				ND	
188 Phenanthrene	178	11.952	11.947	0.000	96	16169	0.7227	
189 Anthracene	178		12.000				ND	
192 Carbazole	167		12.134				ND	
195 Di-n-butyl phthalate	149		12.395				ND	
201 Fluoranthene	202	13.037	13.031	0.001	96	14919	0.6464	
204 Pyrene	202	13.245	13.245	-0.005	96	12045	0.5839	
210 Butyl benzyl phthalate	149		13.731				ND	
216 Bis(2-ethylhexyl) phthalat	149		14.201				ND	
215 3,3'-Dichlorobenzidine	252		14.249				ND	
217 Benzo[a]anthracene	228		14.313				ND	
218 Chrysene	228		14.351				ND	U
220 Di-n-octyl phthalate	149		14.799				ND	
221 Benzo[b]fluoranthene	252		15.424				ND	
222 Benzo[k]fluoranthene	252		15.451				ND	
225 Benzo[a]pyrene	252		15.830				ND	
228 Dibenz(a,h)anthracene	278		17.492				ND	
227 Indeno[1,2,3-cd]pyrene	276		17.497				ND	
229 Benzo[g,h,i]perylene	276		17.994				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

MB_INTSTD_STK_00055 Amount Added: 20.00 Units: uL Run Reagent

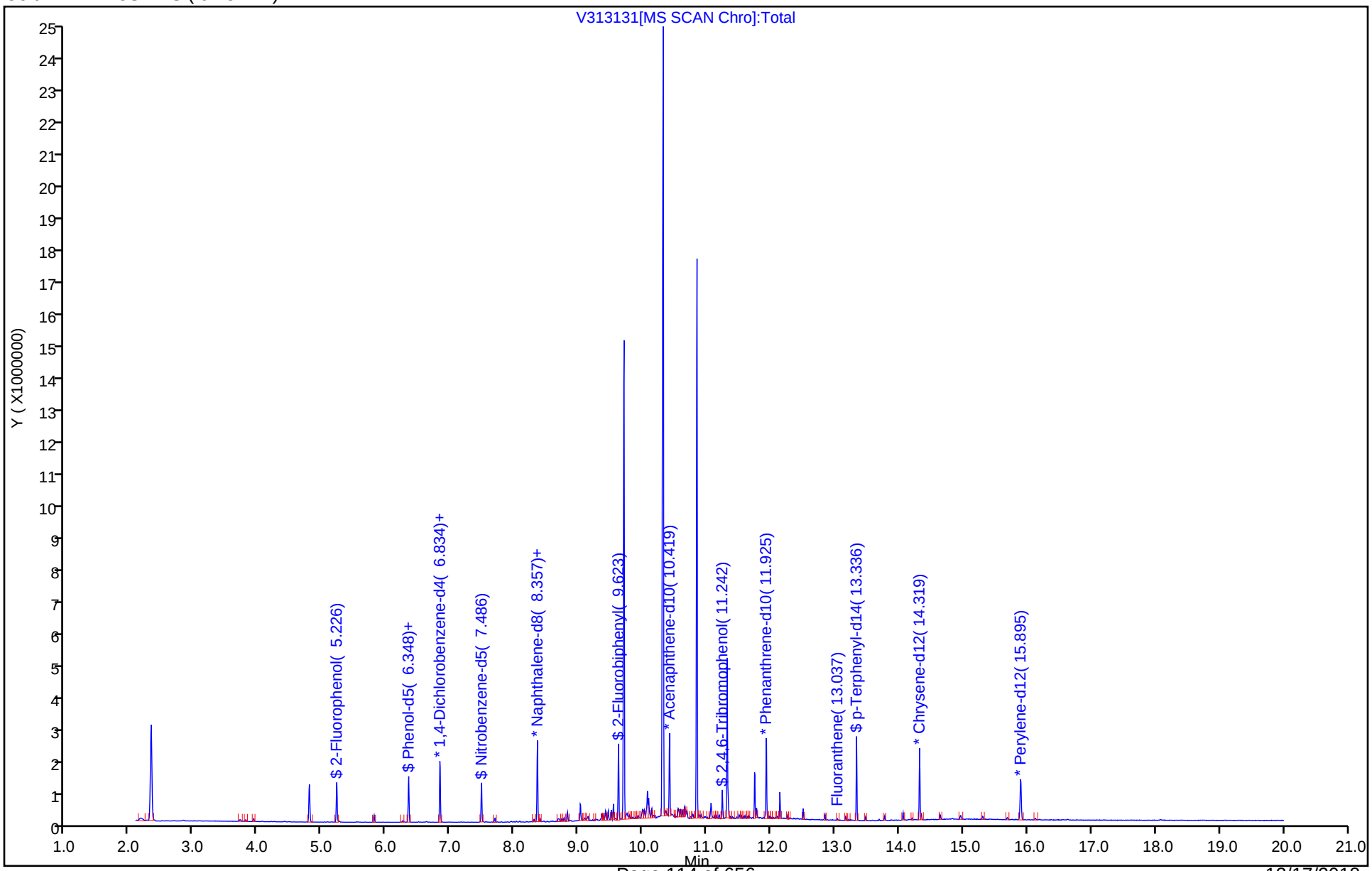
Report Date: 21-Nov-2018 12:19:09 Chrom Revision: 2.3 20-Nov-2018 10:08:14

TestAmerica Buffalo

Data File: \\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313131.D

Injection Date:	20-Nov-2018 17:52:30	Instrument ID:	HP5973V	Operator ID:	PJQ
Lims ID:	480-145287-A-6-A	Lab Sample ID:	480-145287-6	Worklist Smp#:	9
Client ID:	SW-05				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	V-8270	Limit Group:	MB - 8270D ICAL		

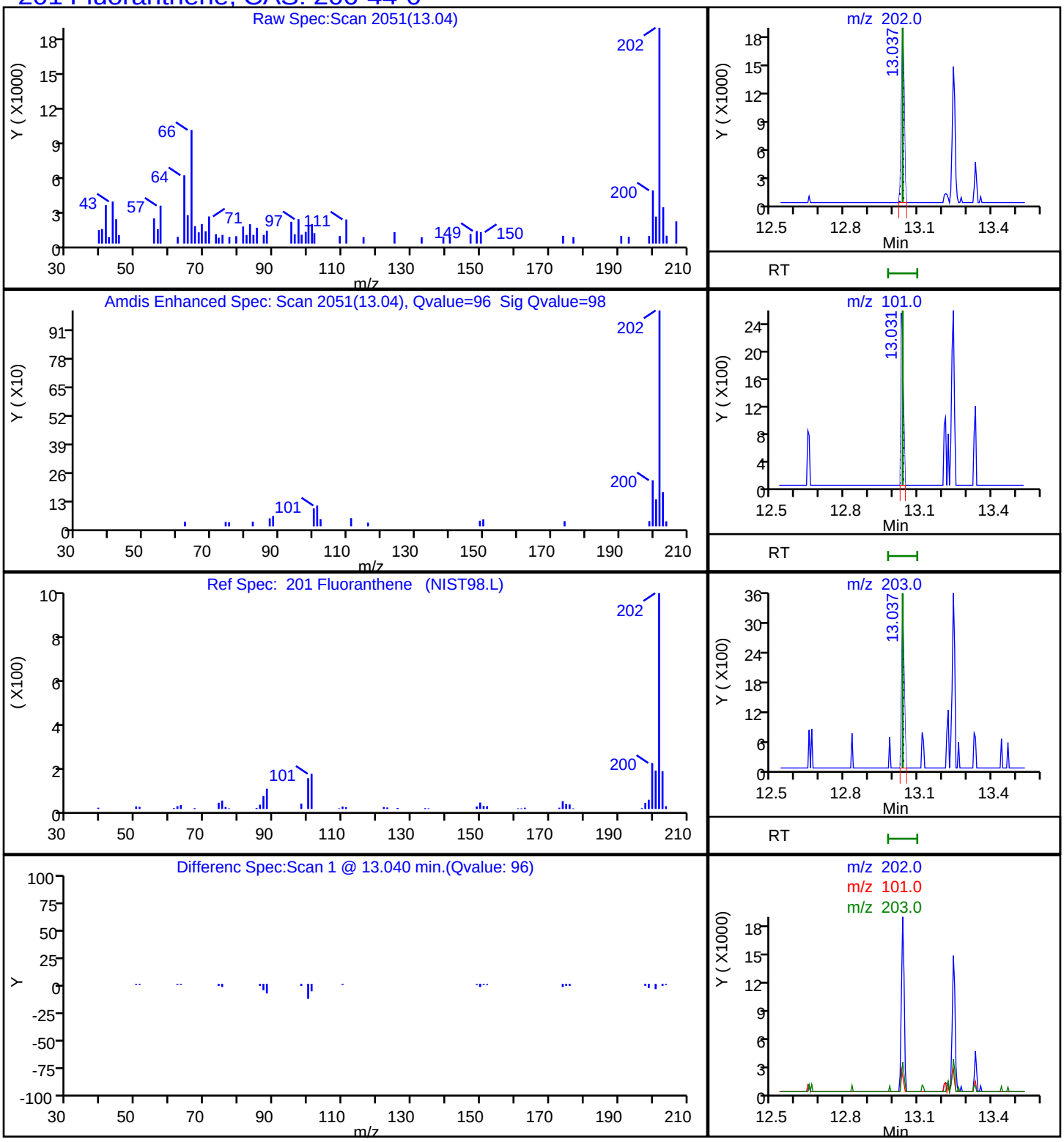
Column: RXI-5Sil MS (0.25 mm)



TestAmerica Buffalo

Data File:	\\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313131.D				
Injection Date:	20-Nov-2018 17:52:30	Instrument ID:	HP5973V		
Lims ID:	480-145287-A-6-A	Lab Sample ID:	480-145287-6		
Client ID:	SW-05				
Operator ID:	PJQ	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	V-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

201 Fluoranthene, CAS: 206-44-0



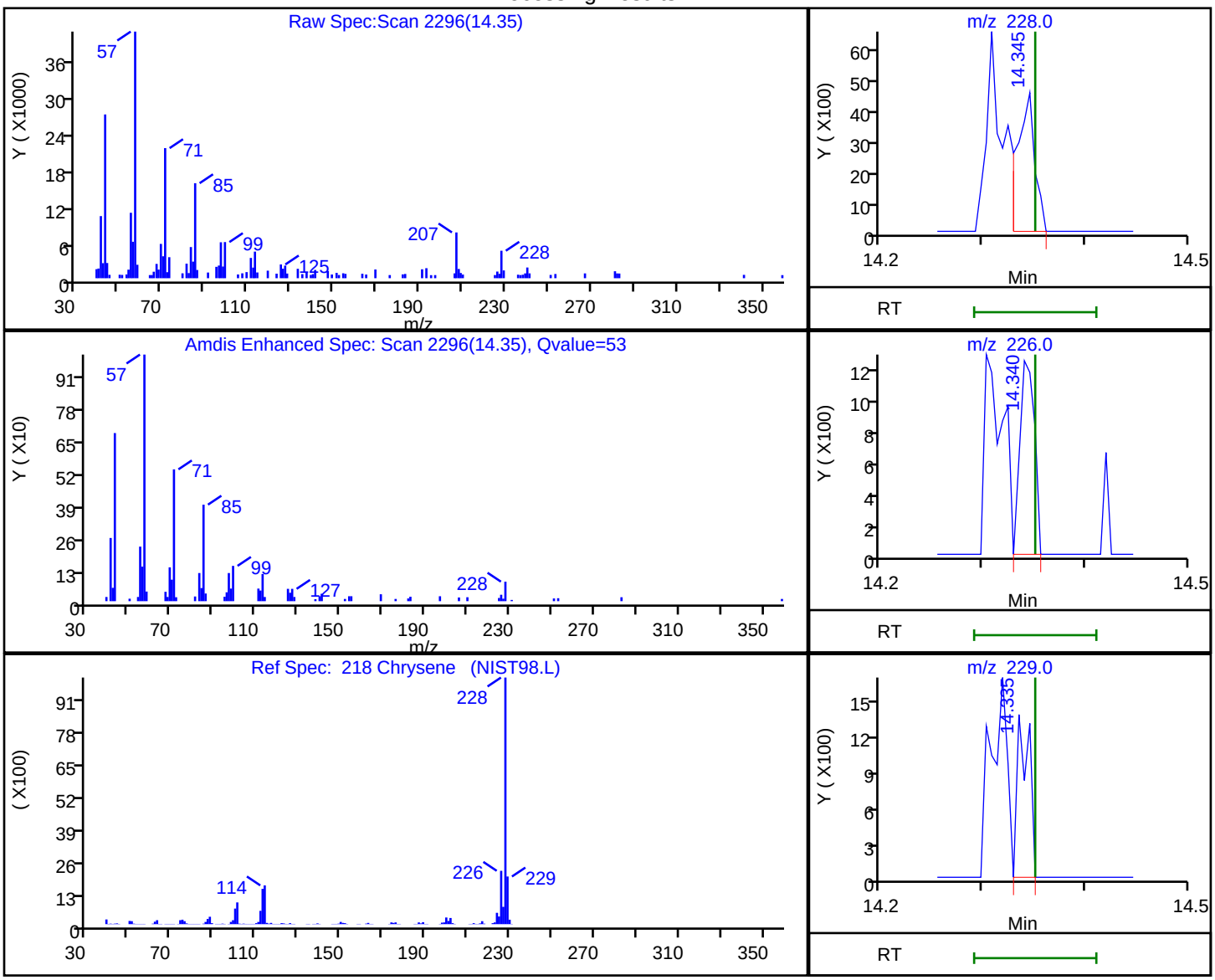
User Disabled Compound Report

TestAmerica Buffalo

Data File:	\\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313131.D				
Injection Date:	20-Nov-2018 17:52:30	Instrument ID:	HP5973V		
Lims ID:	480-145287-A-6-A	Lab Sample ID:	480-145287-6		
Client ID:	SW-05				
Operator ID:	PJQ	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	V-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

218 Chrysene, CAS: 218-01-9

Processing Results



RT	Mass	Response	Amount
14.35	228.00	5332	0.277205
14.34	226.00	1149	
14.33	229.00	1102	

Reviewer: quirkp, 21-Nov-2018 12:18:40

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

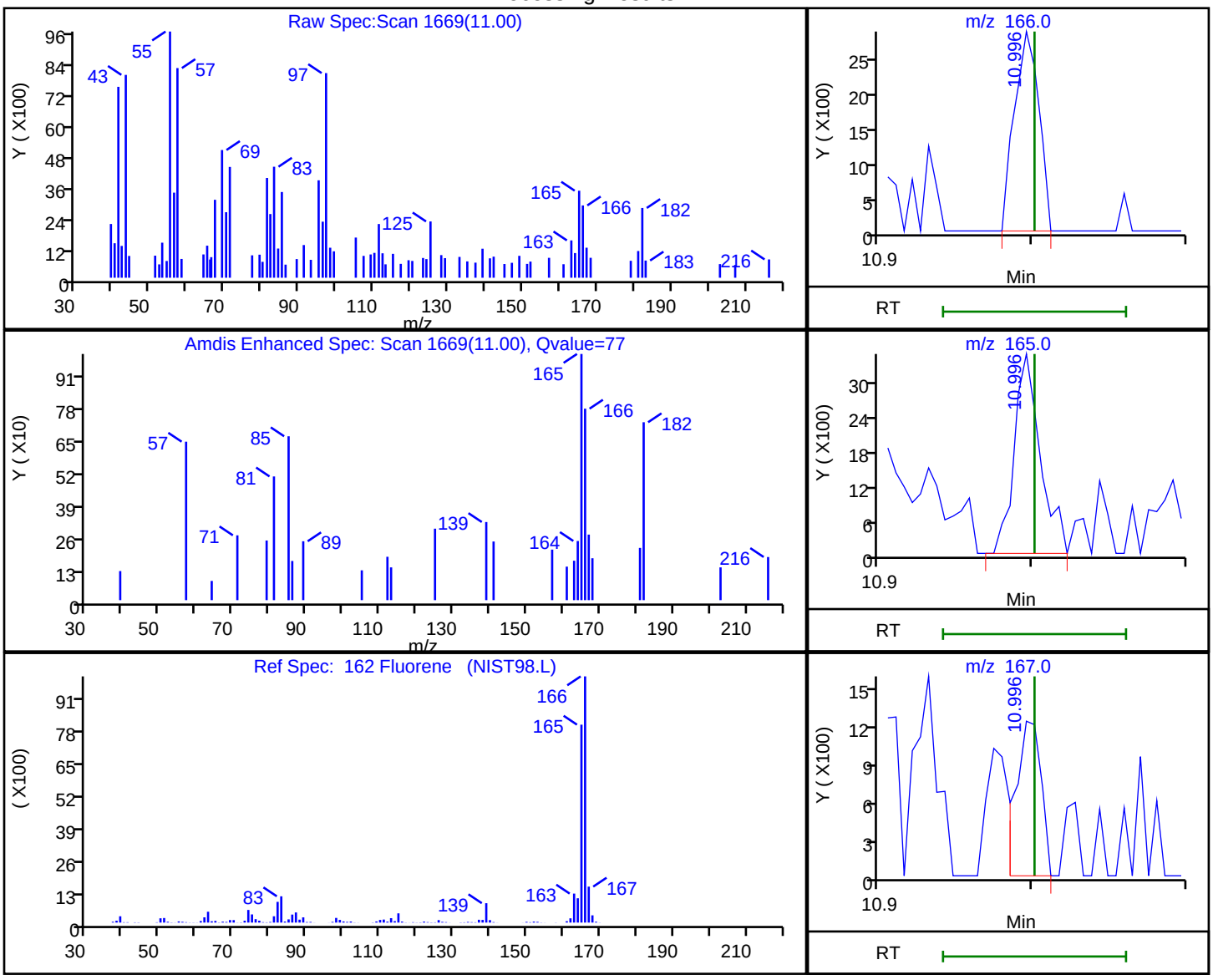
User Disabled Compound Report

TestAmerica Buffalo

Data File:	\\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313131.D				
Injection Date:	20-Nov-2018 17:52:30	Instrument ID:	HP5973V		
Lims ID:	480-145287-A-6-A	Lab Sample ID:	480-145287-6		
Client ID:	SW-05				
Operator ID:	PJQ	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	V-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

162 Fluorene, CAS: 86-73-7

Processing Results



RT	Mass	Response	Amount
11.00	166.00	3158	0.181712
11.00	165.00	4048	
11.00	167.00	1362	

Reviewer: quirkp, 21-Nov-2018 12:18:27

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-145287-1

SDG No.:

Client Sample ID: B-2 | Lab Sample ID: 480-145287-7

Matrix: Solid | Lab File ID: V313132.D

Analysis Method: 8270D | Date Collected: 11/13/2018 14:45

Extract. Method: 3550C | Date Extracted: 11/15/2018 14:22

Sample wt/vol: 30.24(g) | Date Analyzed: 11/20/2018 18:20

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 14.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 446676 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		200	53
88-06-2	2,4,6-Trichlorophenol	ND		200	39
120-83-2	2,4-Dichlorophenol	ND		200	21
105-67-9	2,4-Dimethylphenol	ND		200	47
51-28-5	2,4-Dinitrophenol	ND		1900	910
121-14-2	2,4-Dinitrotoluene	ND		200	40
606-20-2	2,6-Dinitrotoluene	ND		200	23
91-58-7	2-Chloronaphthalene	ND		200	32
95-57-8	2-Chlorophenol	ND		200	36
91-57-6	2-Methylnaphthalene	120	J	200	39
95-48-7	2-Methylphenol	ND		200	23
88-74-4	2-Nitroaniline	ND		380	29
88-75-5	2-Nitrophenol	ND		200	56
91-94-1	3,3'-Dichlorobenzidine	ND		380	230
99-09-2	3-Nitroaniline	ND		380	54
534-52-1	4,6-Dinitro-2-methylphenol	ND		380	200
101-55-3	4-Bromophenyl phenyl ether	ND		200	28
59-50-7	4-Chloro-3-methylphenol	ND		200	49
106-47-8	4-Chloroaniline	ND		200	49
7005-72-3	4-Chlorophenyl phenyl ether	ND		200	24
106-44-5	4-Methylphenol	ND		380	23
100-01-6	4-Nitroaniline	ND		380	100
100-02-7	4-Nitrophenol	ND		380	140
83-32-9	Acenaphthene	ND		200	29
208-96-8	Acenaphthylene	ND		200	25
98-86-2	Acetophenone	ND		200	27
120-12-7	Anthracene	ND		200	49
1912-24-9	Atrazine	ND		200	68
100-52-7	Benzaldehyde	ND		200	160
56-55-3	Benzo(a)anthracene	27	J	200	20
50-32-8	Benzo(a)pyrene	ND		200	29
205-99-2	Benzo(b)fluoranthene	ND		200	31
191-24-2	Benzo(g,h,i)perylene	ND		200	21
207-08-9	Benzo(k)fluoranthene	ND		200	25

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-145287-1

SDG No.:

Client Sample ID: B-2 | Lab Sample ID: 480-145287-7

Matrix: Solid | Lab File ID: V313132.D

Analysis Method: 8270D | Date Collected: 11/13/2018 14:45

Extract. Method: 3550C | Date Extracted: 11/15/2018 14:22

Sample wt/vol: 30.24(g) | Date Analyzed: 11/20/2018 18:20

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 14.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 446676 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	230		200	29
108-60-1	bis (2-chloroisopropyl) ether	ND		200	39
111-91-1	Bis(2-chloroethoxy)methane	ND		200	42
111-44-4	Bis(2-chloroethyl)ether	ND		200	25
117-81-7	Bis(2-ethylhexyl) phthalate	ND		200	67
85-68-7	Butyl benzyl phthalate	ND		200	32
105-60-2	Caprolactam	ND		200	59
86-74-8	Carbazole	ND		200	23
218-01-9	Chrysene	ND		200	44
53-70-3	Dibenz(a,h)anthracene	ND		200	35
132-64-9	Dibenzofuran	59	J	200	23
84-66-2	Diethyl phthalate	ND		200	25
131-11-3	Dimethyl phthalate	ND		200	23
84-74-2	Di-n-butyl phthalate	ND		200	34
117-84-0	Di-n-octyl phthalate	ND		200	23
206-44-0	Fluoranthene	110	J	200	21
86-73-7	Fluorene	72	J	200	23
118-74-1	Hexachlorobenzene	ND		200	27
87-68-3	Hexachlorobutadiene	ND		200	29
77-47-4	Hexachlorocyclopentadiene	ND		200	27
67-72-1	Hexachloroethane	ND		200	25
193-39-5	Indeno(1,2,3-cd)pyrene	ND		200	24
78-59-1	Isophorone	ND		200	42
91-20-3	Naphthalene	87	J	200	25
98-95-3	Nitrobenzene	ND		200	22
621-64-7	N-Nitrosodi-n-propylamine	ND		200	34
86-30-6	N-Nitrosodiphenylamine	ND		200	160
87-86-5	Pentachlorophenol	ND		380	200
85-01-8	Phenanthrene	270		200	29
108-95-2	Phenol	ND		200	30
129-00-0	Pyrene	86	J	200	23

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-145287-1

SDG No.:

Client Sample ID: B-2 | Lab Sample ID: 480-145287-7

Matrix: Solid | Lab File ID: V313132.D

Analysis Method: 8270D | Date Collected: 11/13/2018 14:45

Extract. Method: 3550C | Date Extracted: 11/15/2018 14:22

Sample wt/vol: 30.24(g) | Date Analyzed: 11/20/2018 18:20

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 14.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 446676 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	89		54-120
321-60-8	2-Fluorobiphenyl	106		60-120
367-12-4	2-Fluorophenol	92		52-120
4165-60-0	Nitrobenzene-d5	98		53-120
4165-62-2	Phenol-d5	95		54-120
1718-51-0	p-Terphenyl-d14	114		65-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313132.D
Lims ID: 480-145287-A-7-A
Client ID: B-2
Sample Type: Client
Inject. Date: 20-Nov-2018 18:20:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0076624-010
Operator ID: PJQ Instrument ID: HP5973V

Method: \\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 21-Nov-2018 12:22:32 Calib Date: 14-Nov-2018 18:42:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313041.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0311

First Level Reviewer: quirkp Date: 21-Nov-2018 12:22:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.834	6.840	-0.006	97	288026	40.0	
* 2 Naphthalene-d8	136	8.357	8.357	0.000	100	1011292	40.0	
* 3 Acenaphthene-d10	164	10.419	10.419	0.000	94	463612	40.0	
* 4 Phenanthrene-d10	188	11.926	11.931	-0.005	98	760706	40.0	
* 5 Chrysene-d12	240	14.319	14.324	-0.005	99	648158	40.0	
* 6 Perylene-d12	264	15.900	15.900	0.000	98	596721	40.0	
$ 7 2-Fluorophenol	112	5.226	5.222	0.000	94	381936	36.7	
$ 8 Phenol-d5	99	6.348	6.343	0.000	97	460835	37.8	
$ 9 Nitrobenzene-d5	82	7.486	7.486	0.000	91	390233	39.4	
$ 10 2-Fluorobiphenyl	172	9.623	9.618	0.000	100	721405	42.6	
$ 11 2,4,6-Tribromophenol	330	11.242	11.237	0.000	90	72108	35.7	
$ 12 p-Terphenyl-d14	244	13.336	13.331	0.000	99	636386	45.7	
80 Benzaldehyde	77		6.305				ND	
81 Phenol	94		6.364				ND	
83 Bis(2-chloroethyl)ether	93		6.487				ND	
84 2-Chlorophenol	128		6.583				ND	
92 2-Methylphenol	108		7.096				ND	
93 2,2'-oxybis[1-chloropropan	45		7.133				ND	
96 4-Methylphenol	108		7.272				ND	
95 N-Nitrosodi-n-propylamine	70		7.288				ND	
94 Acetophenone	105		7.299				ND	
99 Hexachloroethane	117		7.459				ND	
102 Nitrobenzene	77		7.513				ND	
106 Isophorone	82		7.785				ND	
107 2-Nitrophenol	139		7.892				ND	
108 2,4-Dimethylphenol	107		7.908				ND	
111 Bis(2-chloroethoxy)methane	93		8.020				ND	
114 2,4-Dichlorophenol	162		8.175				ND	
118 Naphthalene	128	8.384	8.384	0.001	97	55470	2.26	
119 4-Chloroaniline	127		8.426				ND	
121 Hexachlorobutadiene	225		8.528				ND	
124 Caprolactam	113		8.827				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
129 4-Chloro-3-methylphenol	107		8.976				ND	
131 2-Methylnaphthalene	142	9.201	9.201	0.000	93	51674	3.10	
134 Hexachlorocyclopentadiene	237		9.398				ND	
137 2,4,6-Trichlorophenol	196		9.527				ND	
138 2,4,5-Trichlorophenol	196		9.575				ND	
140 1,1'-Biphenyl	154	9.746	9.751	-0.005	94	106347	6.08	
141 2-Chloronaphthalene	162		9.783				ND	
143 2-Nitroaniline	65		9.885				ND	U
146 Dimethyl phthalate	163		10.072				ND	
149 2,6-Dinitrotoluene	165		10.146				ND	U
150 Acenaphthylene	152		10.264				ND	U
151 3-Nitroaniline	138		10.344				ND	
153 2,4-Dinitrophenol	184		10.456				ND	
152 Acenaphthene	153		10.456				ND	U
154 4-Nitrophenol	109		10.504				ND	
156 2,4-Dinitrotoluene	165		10.595				ND	U
155 Dibenzofuran	168	10.638	10.638	0.000	93	29147	1.52	
161 Diethyl phthalate	149		10.836				ND	
163 4-Chlorophenyl phenyl ethe	204		10.980				ND	
164 4-Nitroaniline	138		10.996				ND	U
162 Fluorene	166	10.996	11.001	-0.005	88	29313	1.87	
165 4,6-Dinitro-2-methylphenol	198		11.028				ND	
168 N-Nitrosodiphenylamine	169		11.092				ND	
175 4-Bromophenyl phenyl ether	248		11.471				ND	
179 Hexachlorobenzene	284		11.562				ND	
180 Atrazine	200		11.599				ND	
183 Pentachlorophenol	266		11.744				ND	
188 Phenanthrene	178	11.952	11.947	0.000	97	144035	7.05	
189 Anthracene	178	11.995	11.995	-0.005	73	11465	0.5590	
192 Carbazole	167		12.134				ND	
195 Di-n-butyl phthalate	149		12.395				ND	
201 Fluoranthene	202	13.037	13.031	0.001	97	61695	2.93	
204 Pyrene	202	13.245	13.245	-0.005	97	45045	2.24	
210 Butyl benzyl phthalate	149		13.731				ND	
216 Bis(2-ethylhexyl) phthalat	149	14.201	14.196	0.000	98	18579	1.38	
215 3,3'-Dichlorobenzidine	252		14.249				ND	
217 Benzo[a]anthracene	228	14.308	14.308	-0.005	93	13614	0.6886	
218 Chrysene	228	14.346	14.346	-0.005	81	14197	0.7575	
220 Di-n-octyl phthalate	149		14.799				ND	
221 Benzo[b]fluoranthene	252	15.419	15.425	-0.005	92	11249	0.6469	
222 Benzo[k]fluoranthene	252		15.451				ND	
225 Benzo[a]pyrene	252		15.830				ND	U
228 Dibenz(a,h)anthracene	278		17.492				ND	
227 Indeno[1,2,3-cd]pyrene	276		17.497				ND	
229 Benzo[g,h,i]perylene	276		17.994				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

MB_INTSTD_STK_00055 Amount Added: 20.00 Units: uL Run Reagent

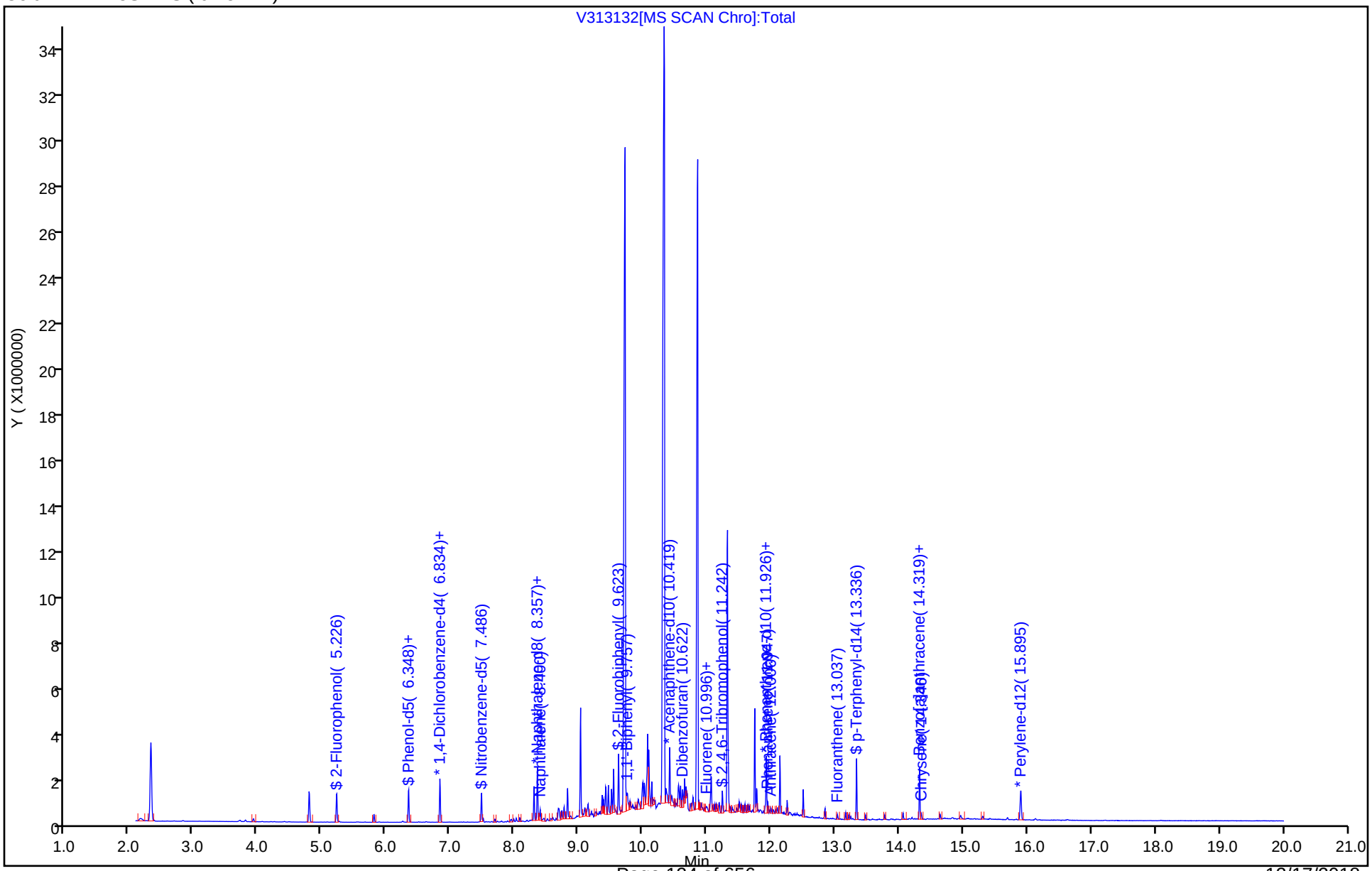
Report Date: 21-Nov-2018 12:22:38 Chrom Revision: 2.3 20-Nov-2018 10:08:14

TestAmerica Buffalo

Data File: \\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313132.D

Injection Date:	20-Nov-2018 18:20:30	Instrument ID:	HP5973V	Operator ID:	PJQ
Lims ID:	480-145287-A-7-A	Lab Sample ID:	480-145287-7	Worklist Smp#:	10
Client ID:	B-2				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	V-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



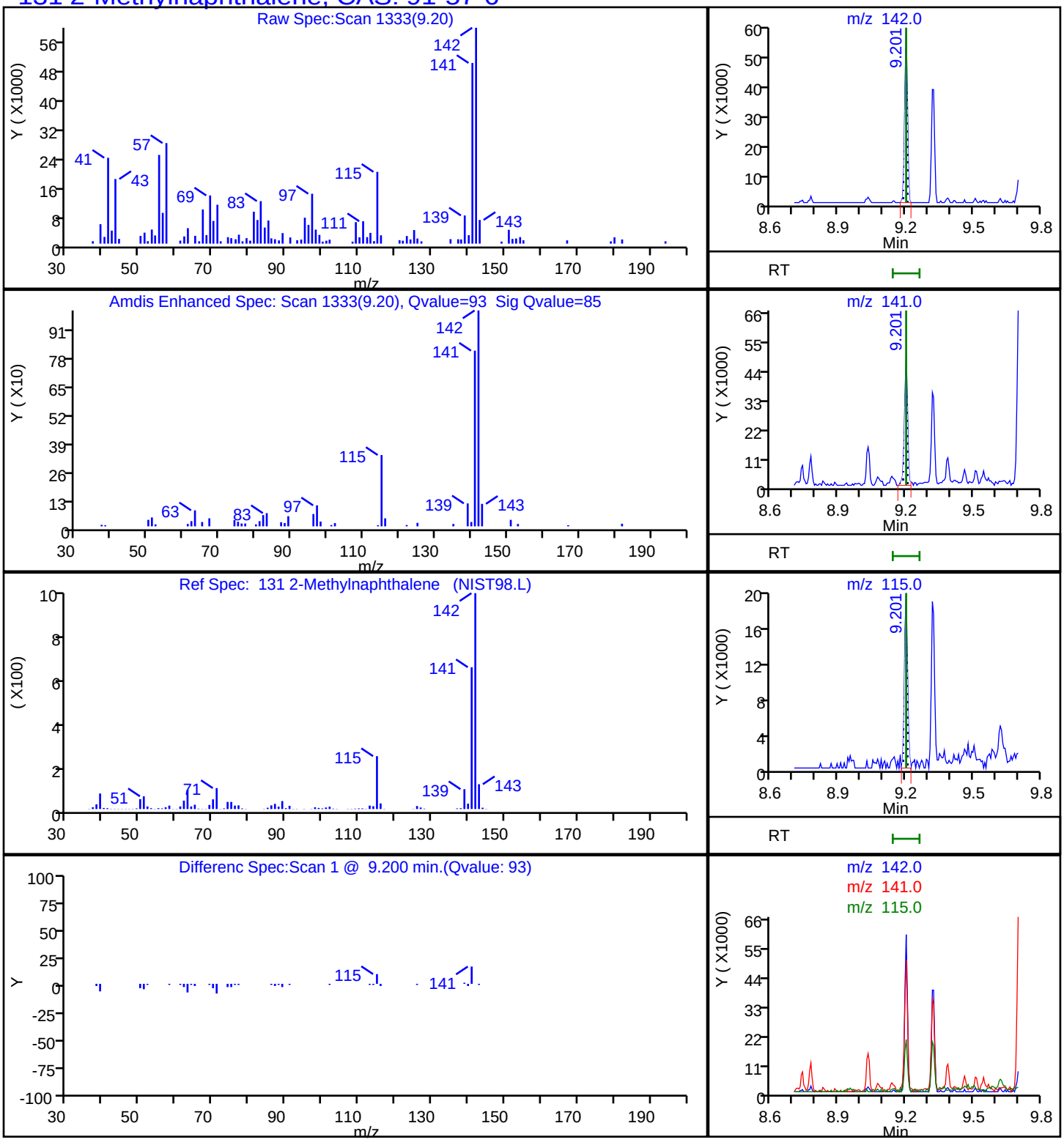
Report Date: 21-Nov-2018 12:22:38 Chrom Revision: 2.3 20-Nov-2018 10:08:14

TestAmerica Buffalo

Data File: \\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313132.D

Injection Date:	20-Nov-2018 18:20:30	Instrument ID:	HP5973V		
Lims ID:	480-145287-A-7-A	Lab Sample ID:	480-145287-7		
Client ID:	B-2				
Operator ID:	PJQ	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	V-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

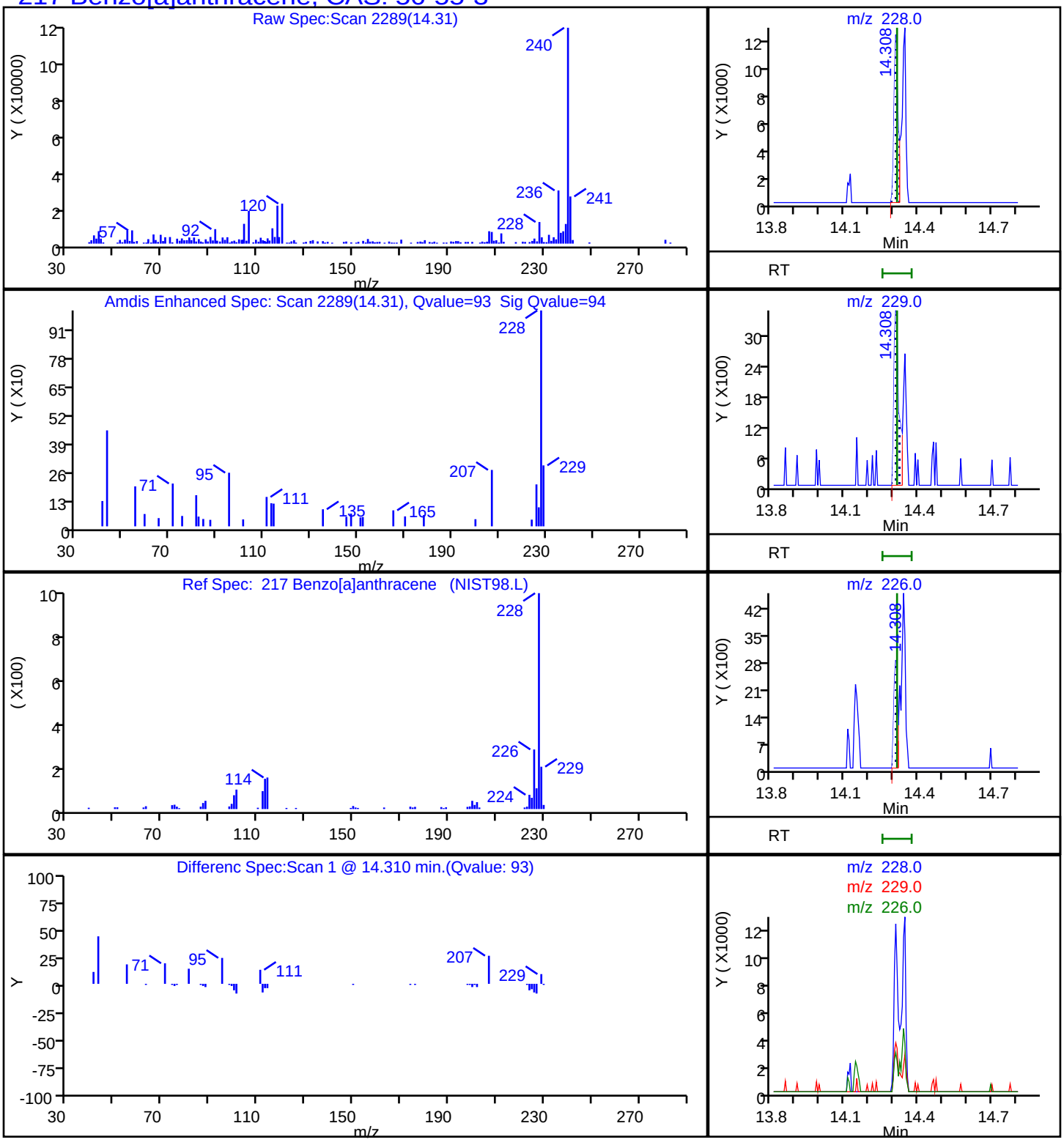
131 2-Methylnaphthalene, CAS: 91-57-6



TestAmerica Buffalo

Data File:	\\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313132.D				
Injection Date:	20-Nov-2018 18:20:30	Instrument ID:	HP5973V		
Lims ID:	480-145287-A-7-A	Lab Sample ID:	480-145287-7		
Client ID:	B-2				
Operator ID:	PJQ	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	V-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

217 Benzo[a]anthracene, CAS: 56-55-3

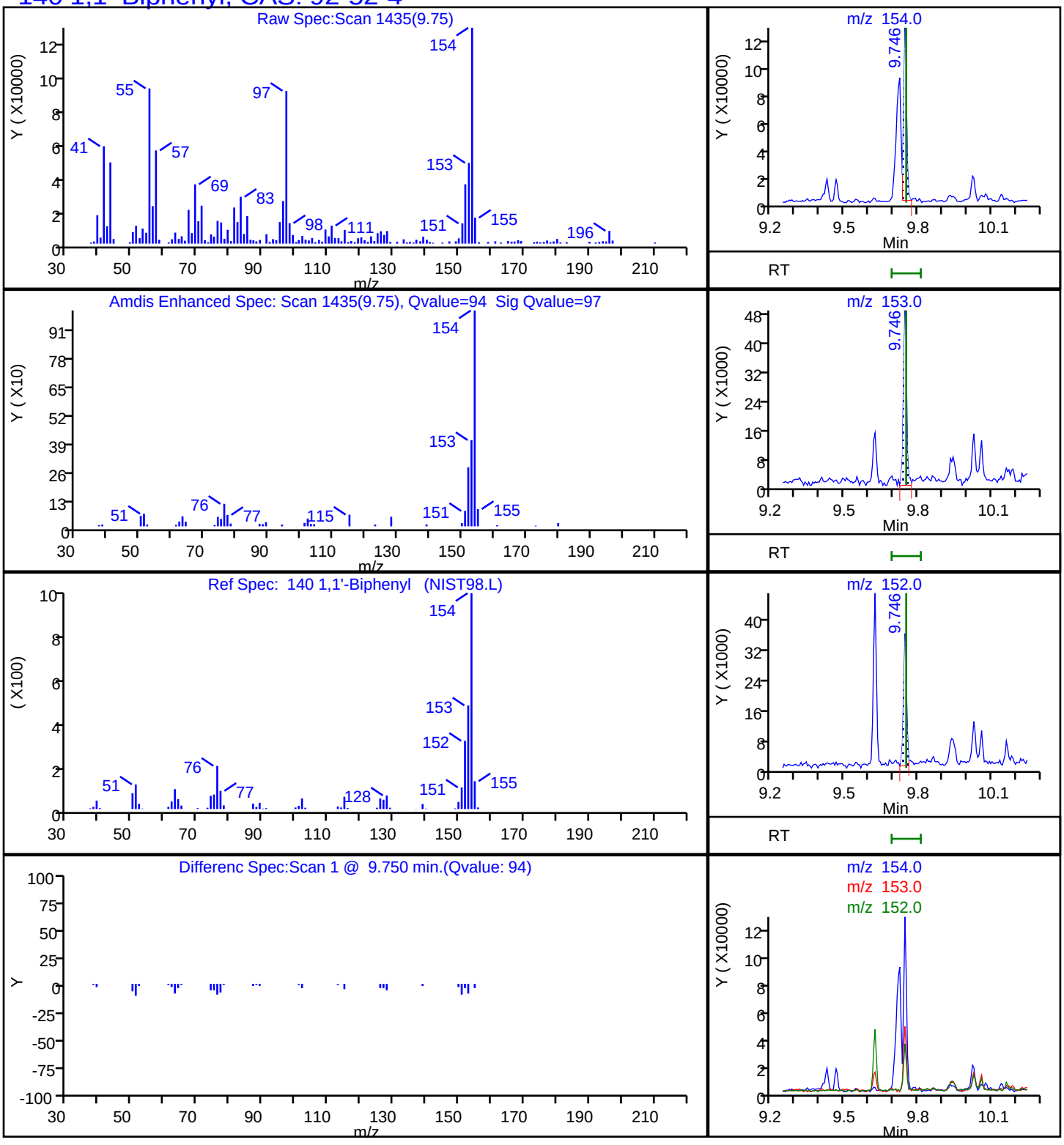


TestAmerica Buffalo

Data File: \\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313132.D

Injection Date:	20-Nov-2018 18:20:30	Instrument ID:	HP5973V
Lims ID:	480-145287-A-7-A	Lab Sample ID:	480-145287-7
Client ID:	B-2		
Operator ID:	PJQ	ALS Bottle#:	10 Worklist Smp#: 10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	V-8270	Limit Group:	MB - 8270D ICAL
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN

140 1,1'-Biphenyl, CAS: 92-52-4



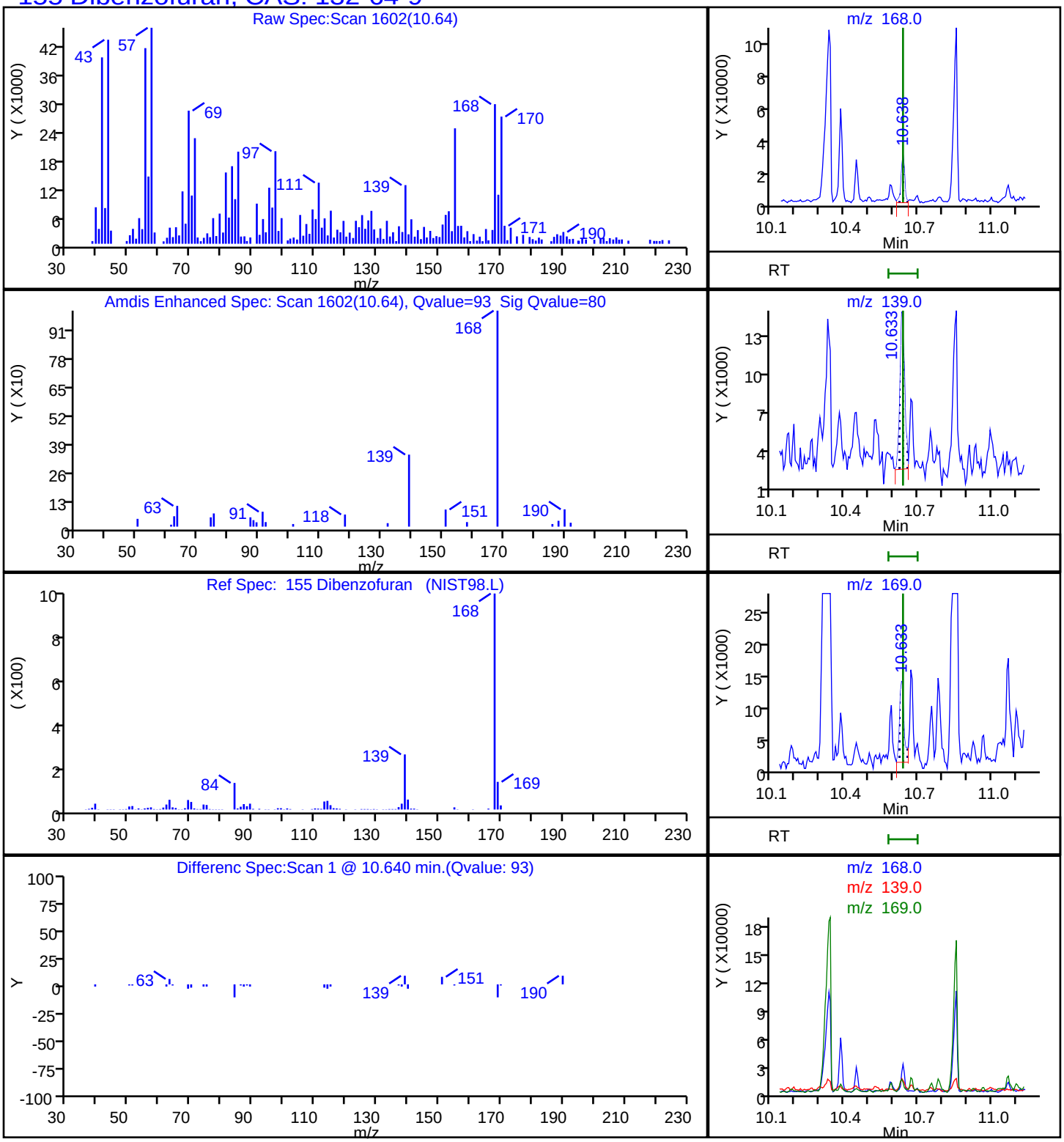
Report Date: 21-Nov-2018 12:22:38 Chrom Revision: 2.3 20-Nov-2018 10:08:14

TestAmerica Buffalo

Data File: \\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313132.D

Injection Date:	20-Nov-2018 18:20:30	Instrument ID:	HP5973V		
Lims ID:	480-145287-A-7-A	Lab Sample ID:	480-145287-7		
Client ID:	B-2				
Operator ID:	PJQ	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	V-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

155 Dibenzofuran, CAS: 132-64-9

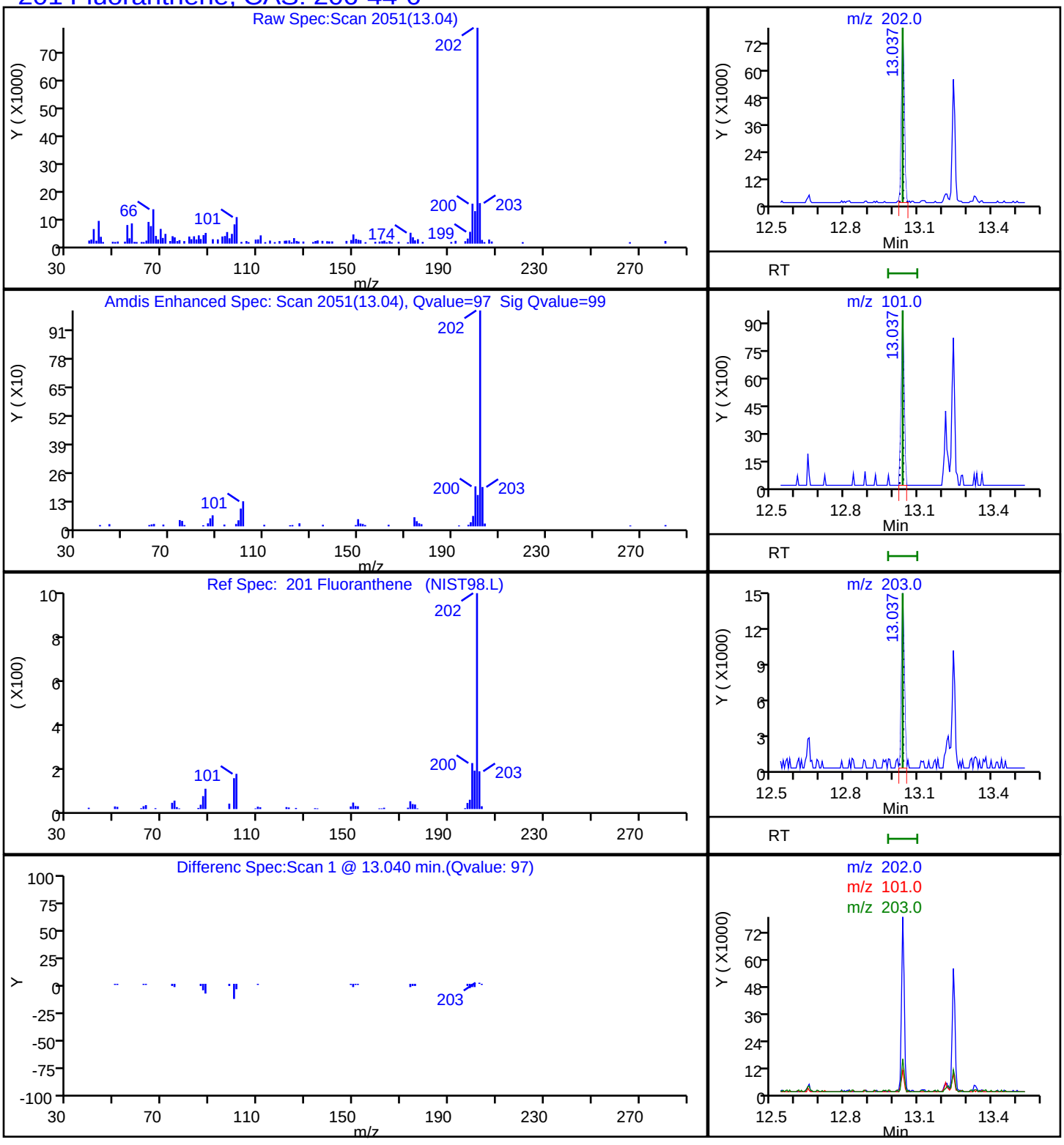


TestAmerica Buffalo

Data File: \\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313132.D

Injection Date:	20-Nov-2018 18:20:30	Instrument ID:	HP5973V		
Lims ID:	480-145287-A-7-A	Lab Sample ID:	480-145287-7		
Client ID:	B-2				
Operator ID:	PJQ	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	V-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

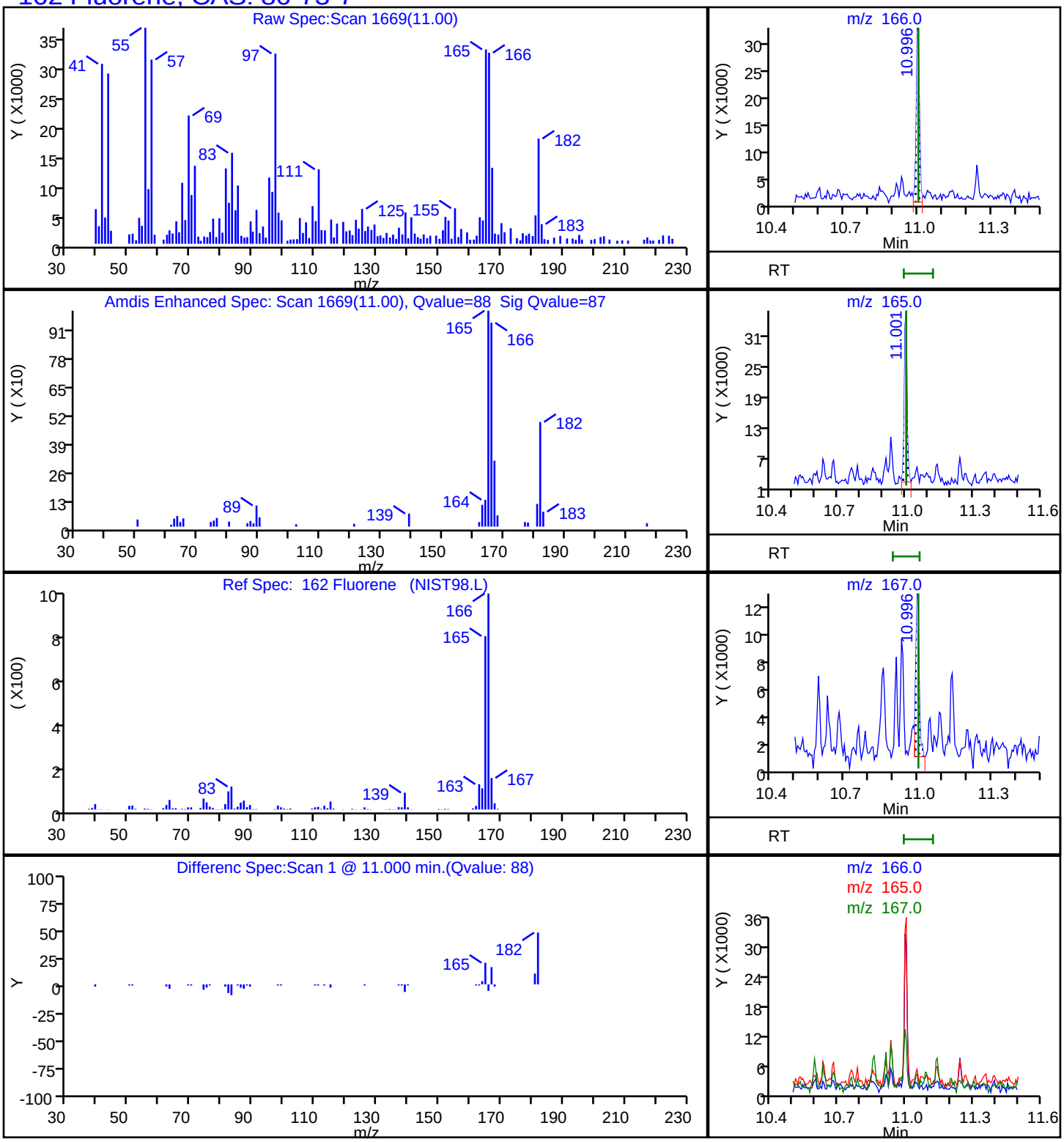
201 Fluoranthene, CAS: 206-44-0



TestAmerica Buffalo

Data File:	\\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313132.D				
Injection Date:	20-Nov-2018 18:20:30	Instrument ID:	HP5973V		
Lims ID:	480-145287-A-7-A	Lab Sample ID:	480-145287-7		
Client ID:	B-2				
Operator ID:	PJQ	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	V-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

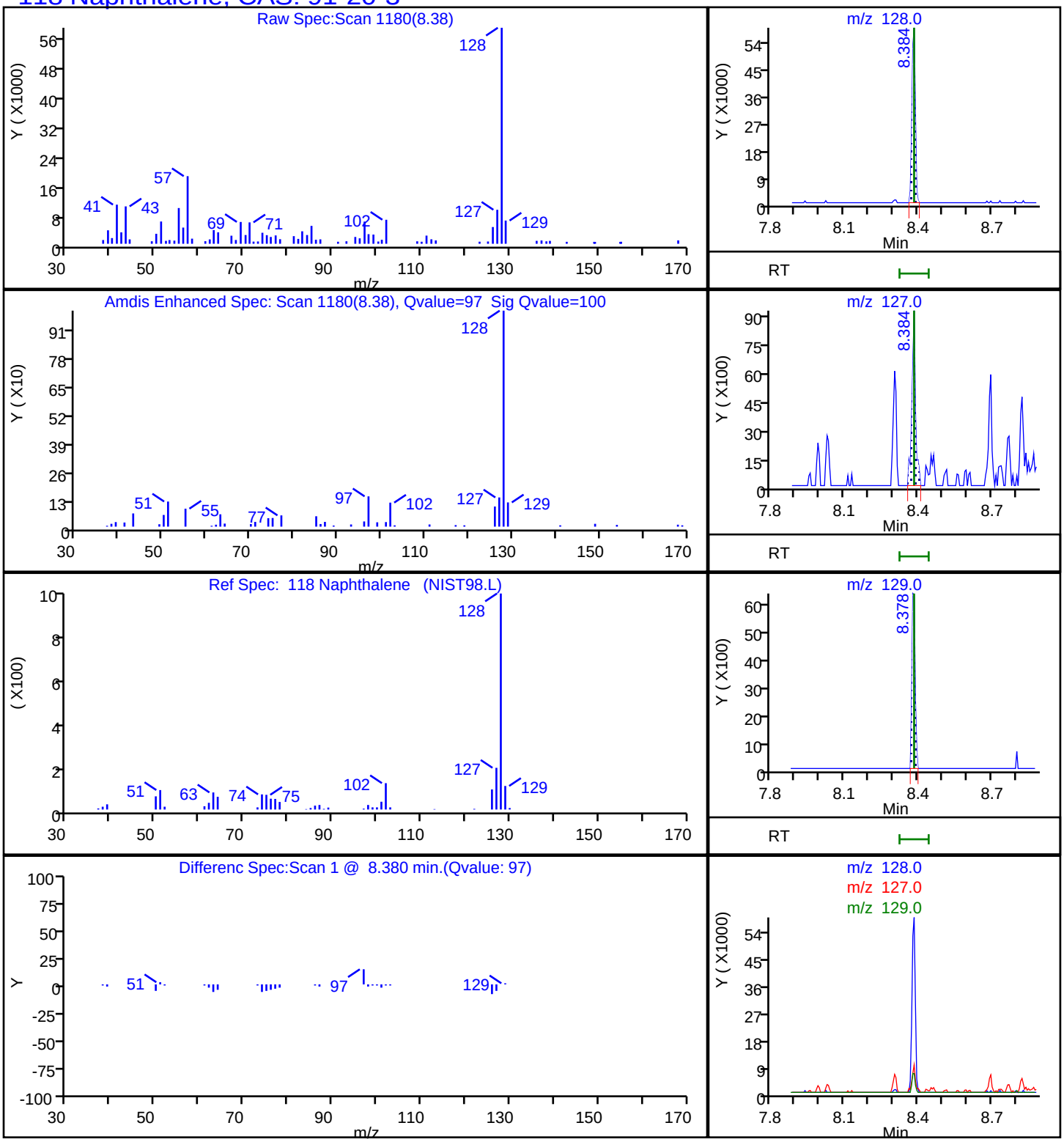
162 Fluorene, CAS: 86-73-7



TestAmerica Buffalo

Data File:	\\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313132.D				
Injection Date:	20-Nov-2018 18:20:30	Instrument ID:	HP5973V		
Lims ID:	480-145287-A-7-A	Lab Sample ID:	480-145287-7		
Client ID:	B-2				
Operator ID:	PJQ	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	V-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

118 Naphthalene, CAS: 91-20-3

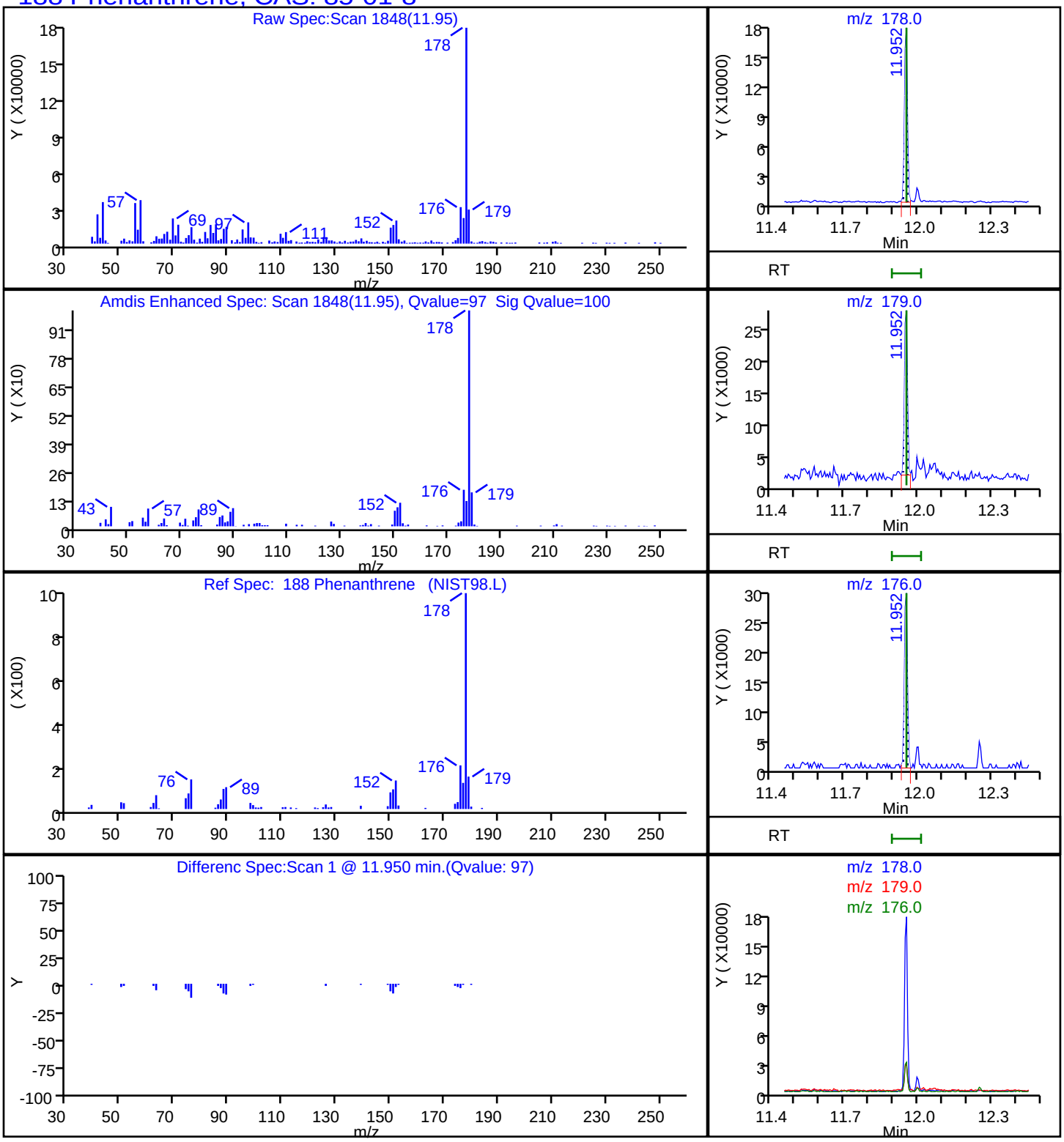


TestAmerica Buffalo

Data File: \\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313132.D

Injection Date:	20-Nov-2018 18:20:30	Instrument ID:	HP5973V
Lims ID:	480-145287-A-7-A	Lab Sample ID:	480-145287-7
Client ID:	B-2		
Operator ID:	PJQ	ALS Bottle#:	10 Worklist Smp#: 10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	V-8270	Limit Group:	MB - 8270D ICAL
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN

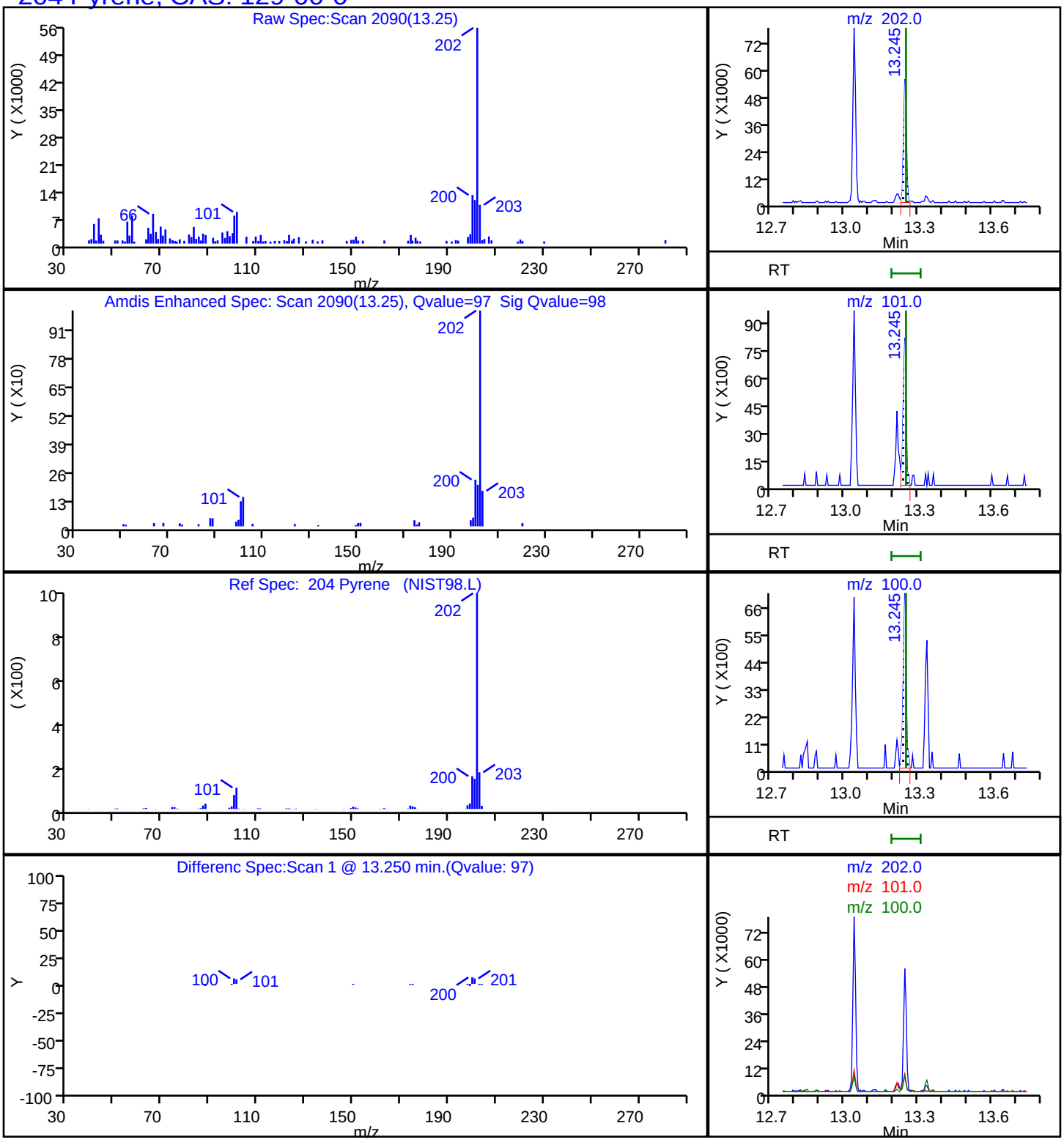
188 Phenanthrene, CAS: 85-01-8



TestAmerica Buffalo

Data File:	\\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313132.D				
Injection Date:	20-Nov-2018 18:20:30	Instrument ID:	HP5973V		
Lims ID:	480-145287-A-7-A	Lab Sample ID:	480-145287-7		
Client ID:	B-2				
Operator ID:	PJQ	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	V-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

204 Pyrene, CAS: 129-00-0



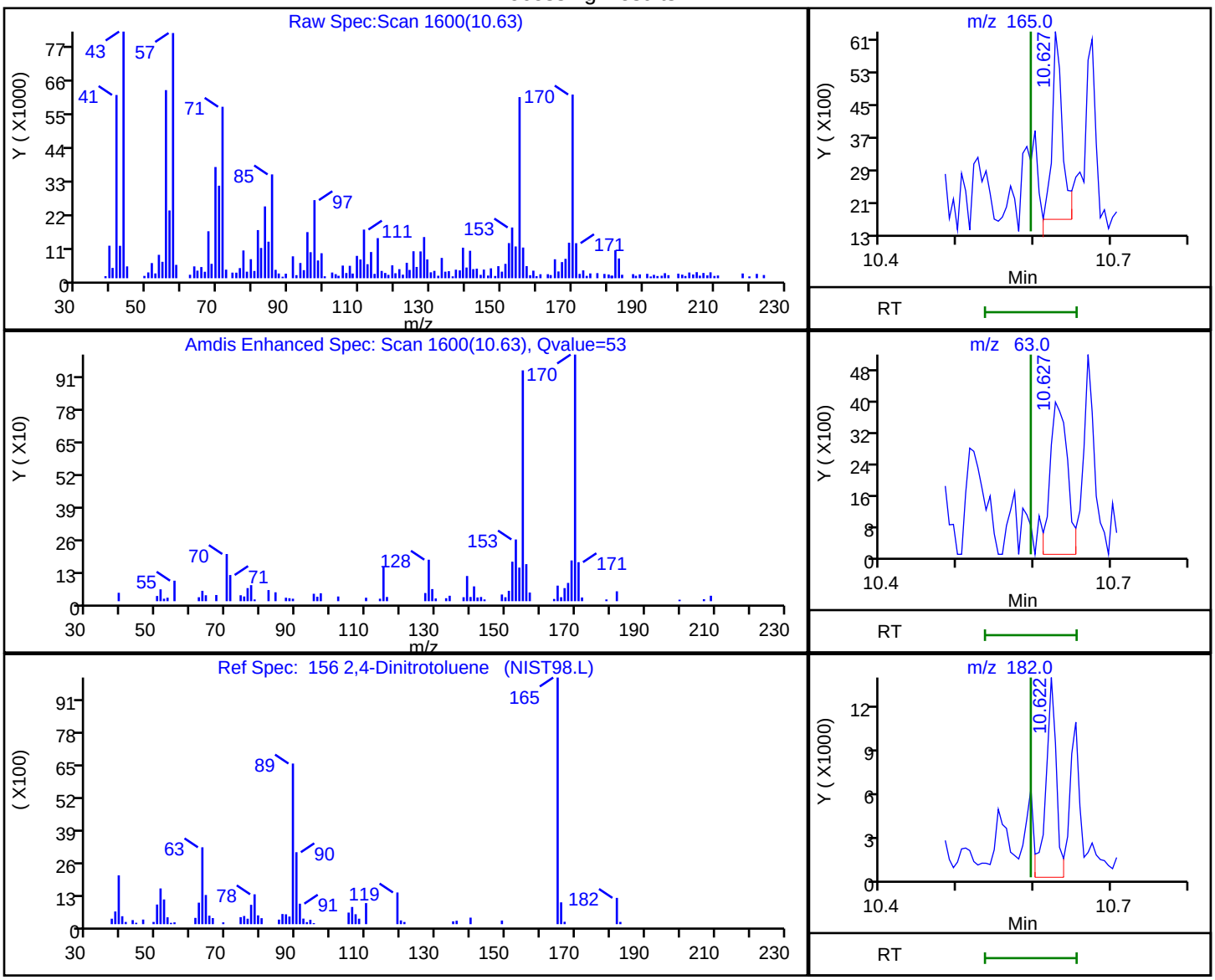
User Disabled Compound Report

TestAmerica Buffalo

Data File:	\\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313132.D				
Injection Date:	20-Nov-2018 18:20:30	Instrument ID:	HP5973V		
Lims ID:	480-145287-A-7-A	Lab Sample ID:	480-145287-7		
Client ID:	B-2				
Operator ID:	PJQ	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	V-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

156 2,4-Dinitrotoluene, CAS: 121-14-2

Processing Results



RT	Mass	Response	Amount
10.63	165.00	4231	1.205562
10.63	63.00	6177	
10.62	182.00	13069	

Reviewer: quirkp, 21-Nov-2018 12:21:18

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

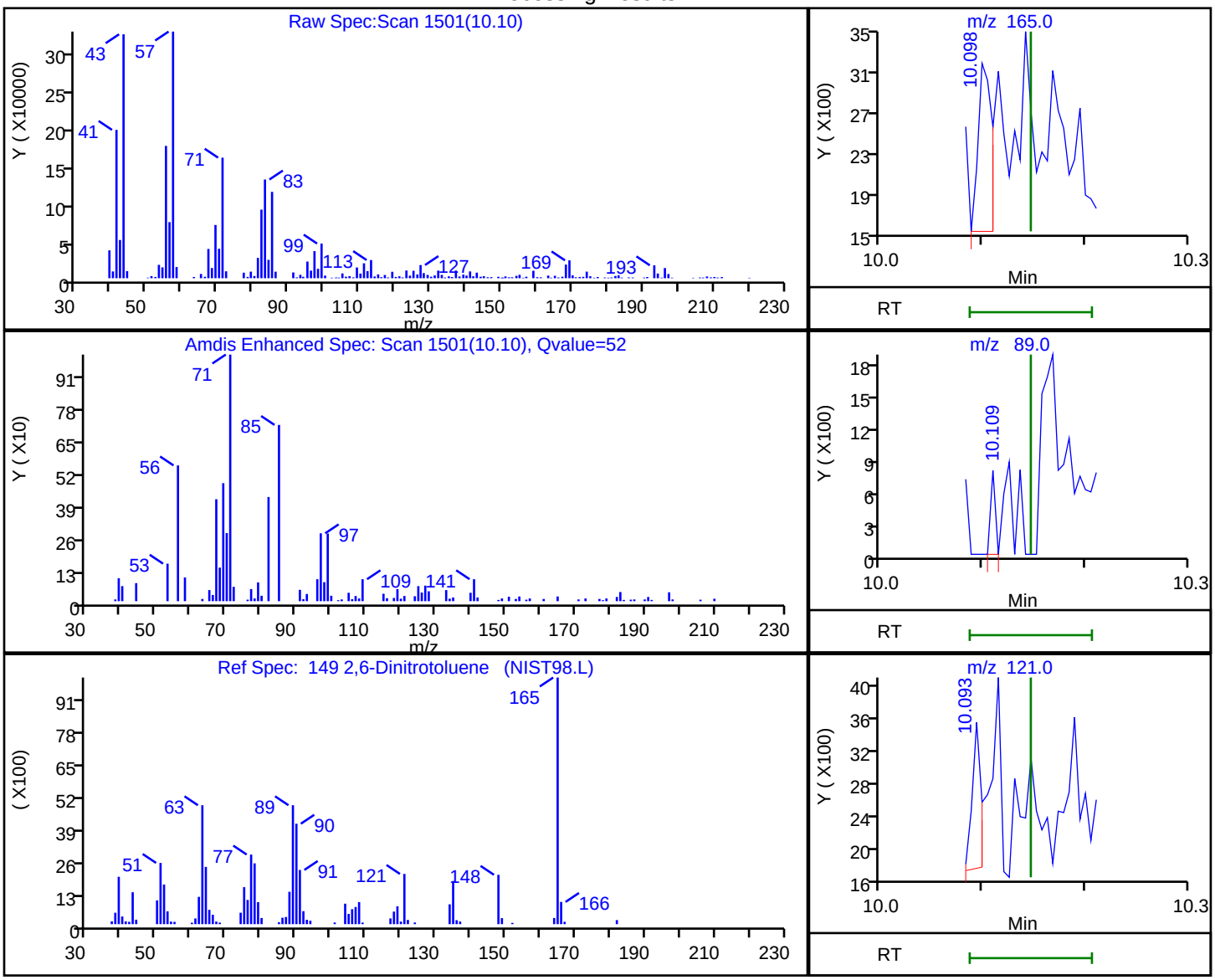
User Disabled Compound Report

TestAmerica Buffalo

Data File:	\\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313132.D				
Injection Date:	20-Nov-2018 18:20:30	Instrument ID:	HP5973V		
Lims ID:	480-145287-A-7-A	Lab Sample ID:	480-145287-7		
Client ID:	B-2				
Operator ID:	PJQ	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	V-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

149 2,6-Dinitrotoluene, CAS: 606-20-2

Processing Results



RT	Mass	Response	Amount
10.10	165.00	1526	0.392304
10.11	89.00	243	
10.09	121.00	1059	

Reviewer: quirkp, 21-Nov-2018 12:21:02

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

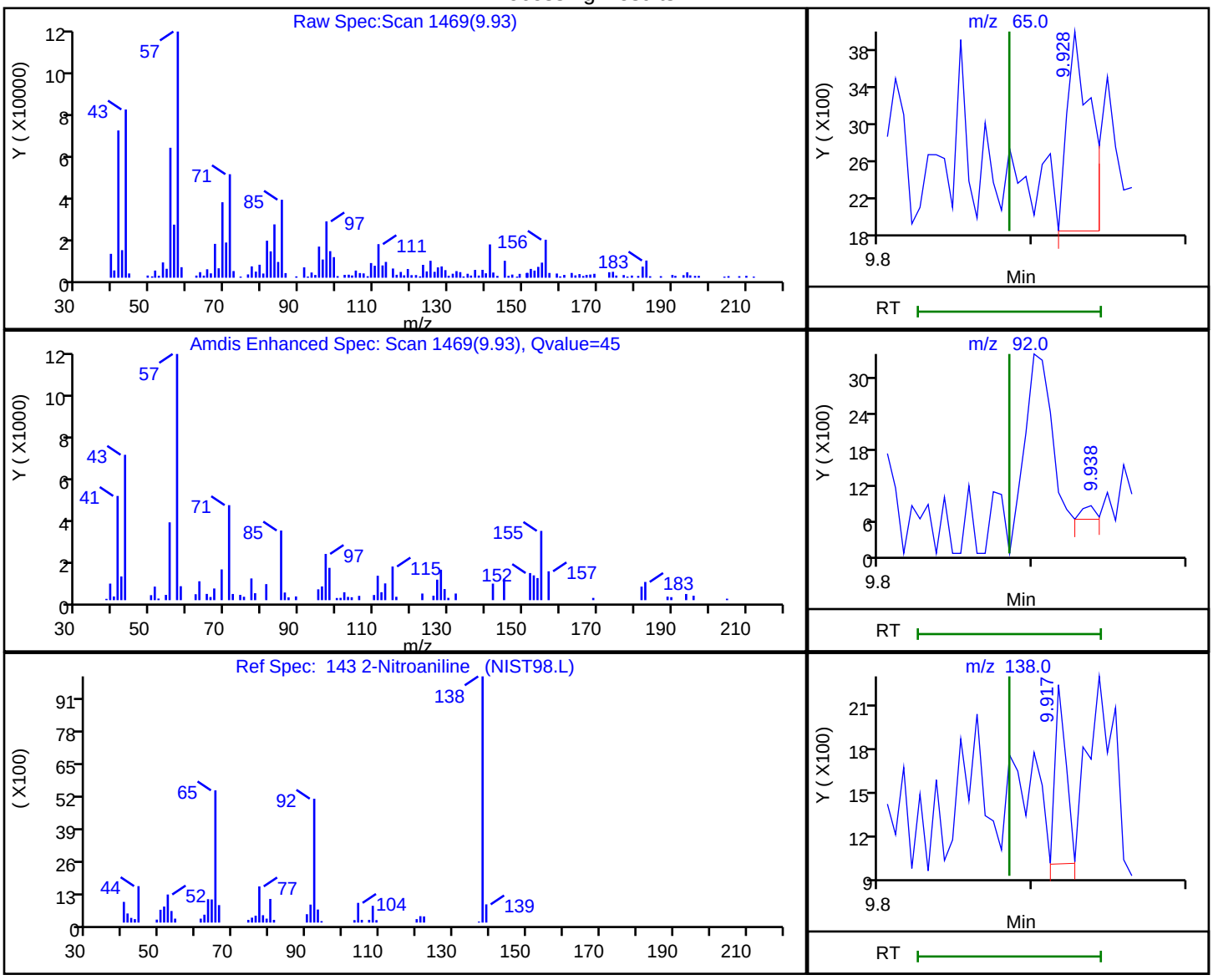
User Disabled Compound Report

TestAmerica Buffalo

Data File:	\\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313132.D				
Injection Date:	20-Nov-2018 18:20:30	Instrument ID:	HP5973V		
Lims ID:	480-145287-A-7-A	Lab Sample ID:	480-145287-7		
Client ID:	B-2				
Operator ID:	PJQ	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	V-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

143 2-Nitroaniline, CAS: 88-74-4

Processing Results



RT	Mass	Response	Amount
9.93	65.00	2262	0.929147
9.94	92.00	142	
9.92	138.00	592	

Reviewer: quirkp, 21-Nov-2018 12:20:58

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

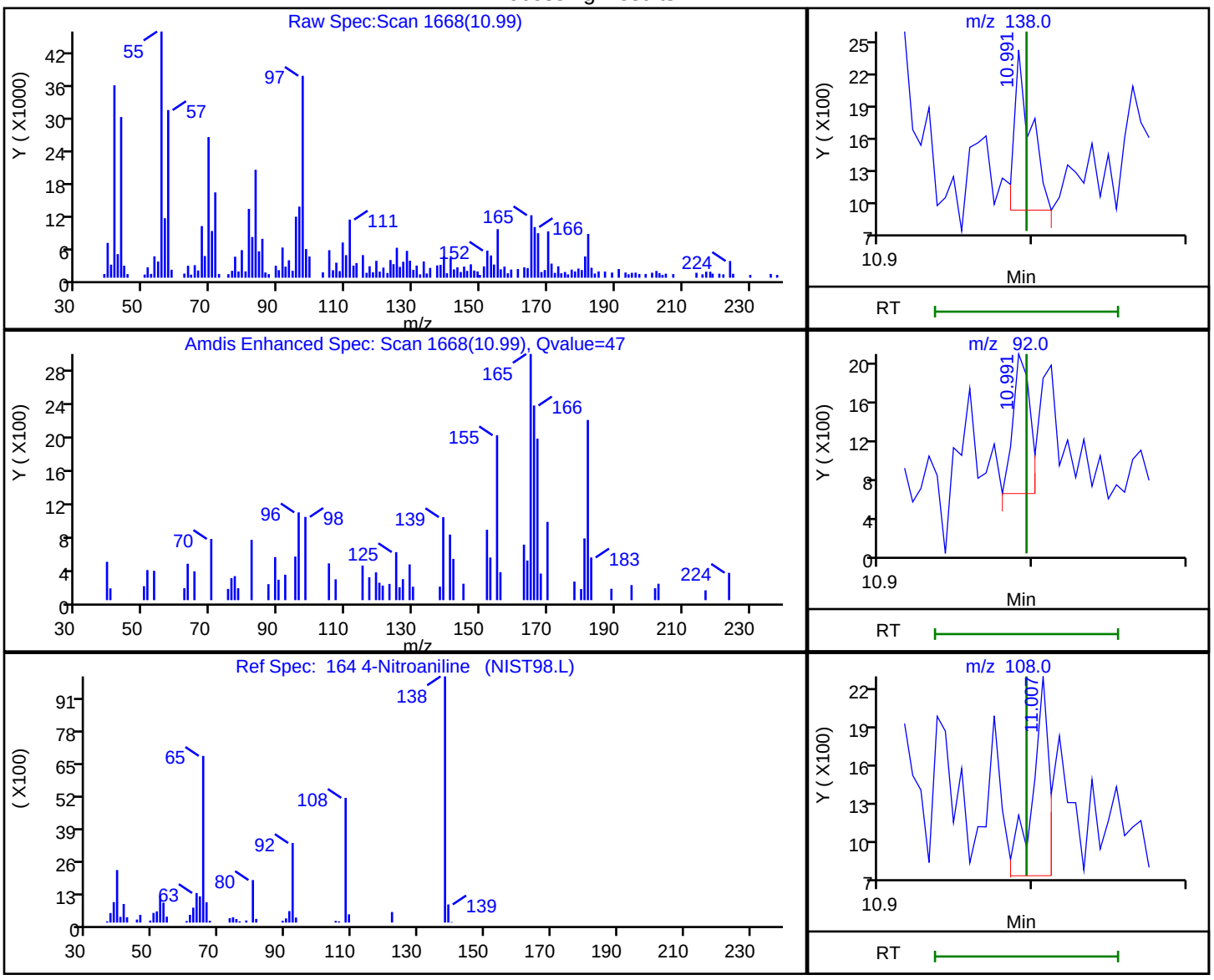
User Disabled Compound Report

TestAmerica Buffalo

Data File:	\\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313132.D				
Injection Date:	20-Nov-2018 18:20:30	Instrument ID:	HP5973V		
Lims ID:	480-145287-A-7-A	Lab Sample ID:	480-145287-7		
Client ID:	B-2				
Operator ID:	PJQ	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	V-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

164 4-Nitroaniline, CAS: 100-01-6

Processing Results



RT	Mass	Response	Amount
10.99	138.00	1069	0.511266
10.99	92.00	1115	
11.01	108.00	1110	

Reviewer: quirkp, 21-Nov-2018 12:21:24

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

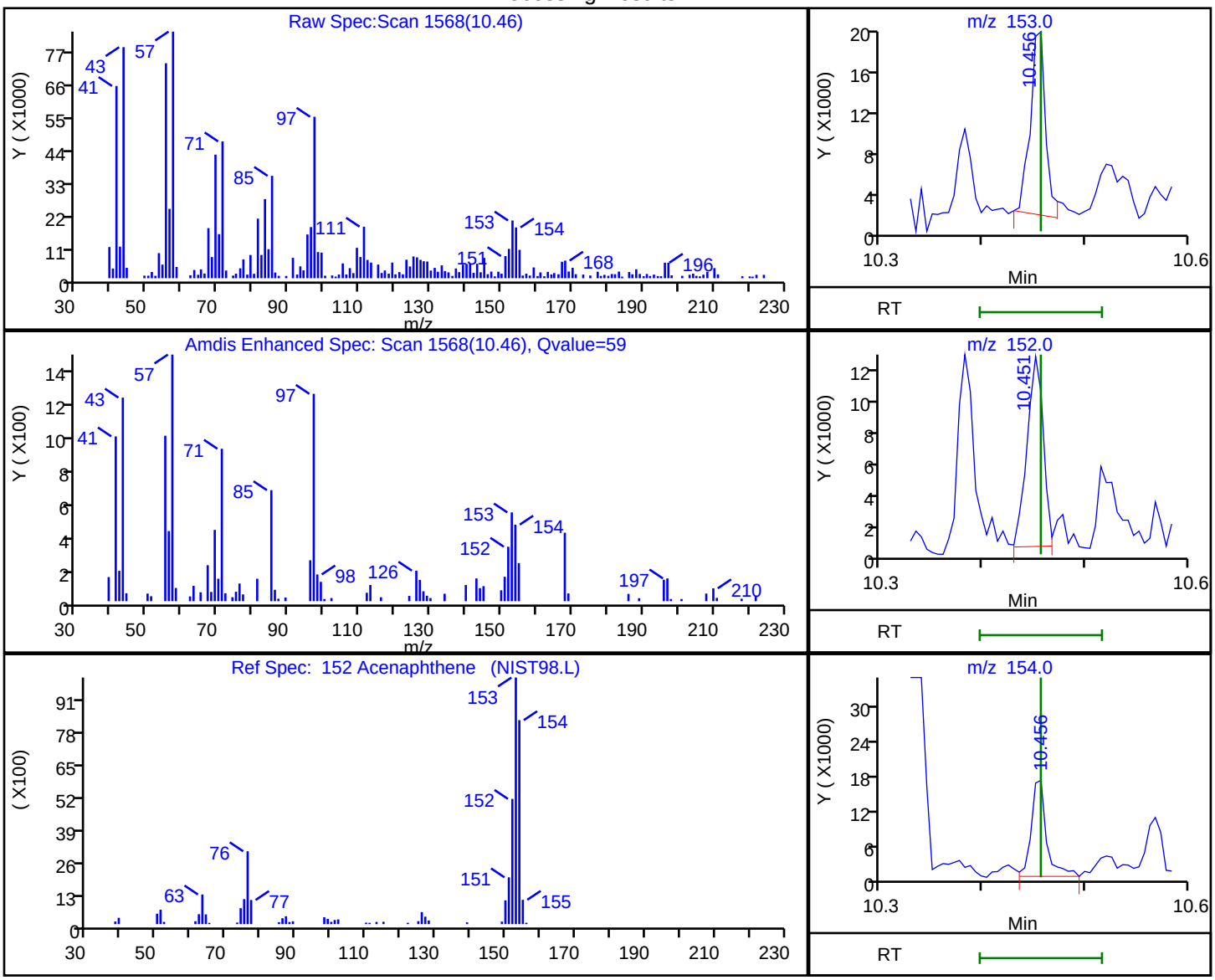
User Disabled Compound Report

TestAmerica Buffalo

Data File:	\\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313132.D				
Injection Date:	20-Nov-2018 18:20:30	Instrument ID:	HP5973V		
Lims ID:	480-145287-A-7-A	Lab Sample ID:	480-145287-7		
Client ID:	B-2				
Operator ID:	PJQ	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	V-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

152 Acenaphthene, CAS: 83-32-9

Processing Results



RT	Mass	Response	Amount
10.46	153.00	18770	1.398149
10.45	152.00	11804	
10.46	154.00	16756	

Reviewer: quirkp, 21-Nov-2018 12:21:14

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

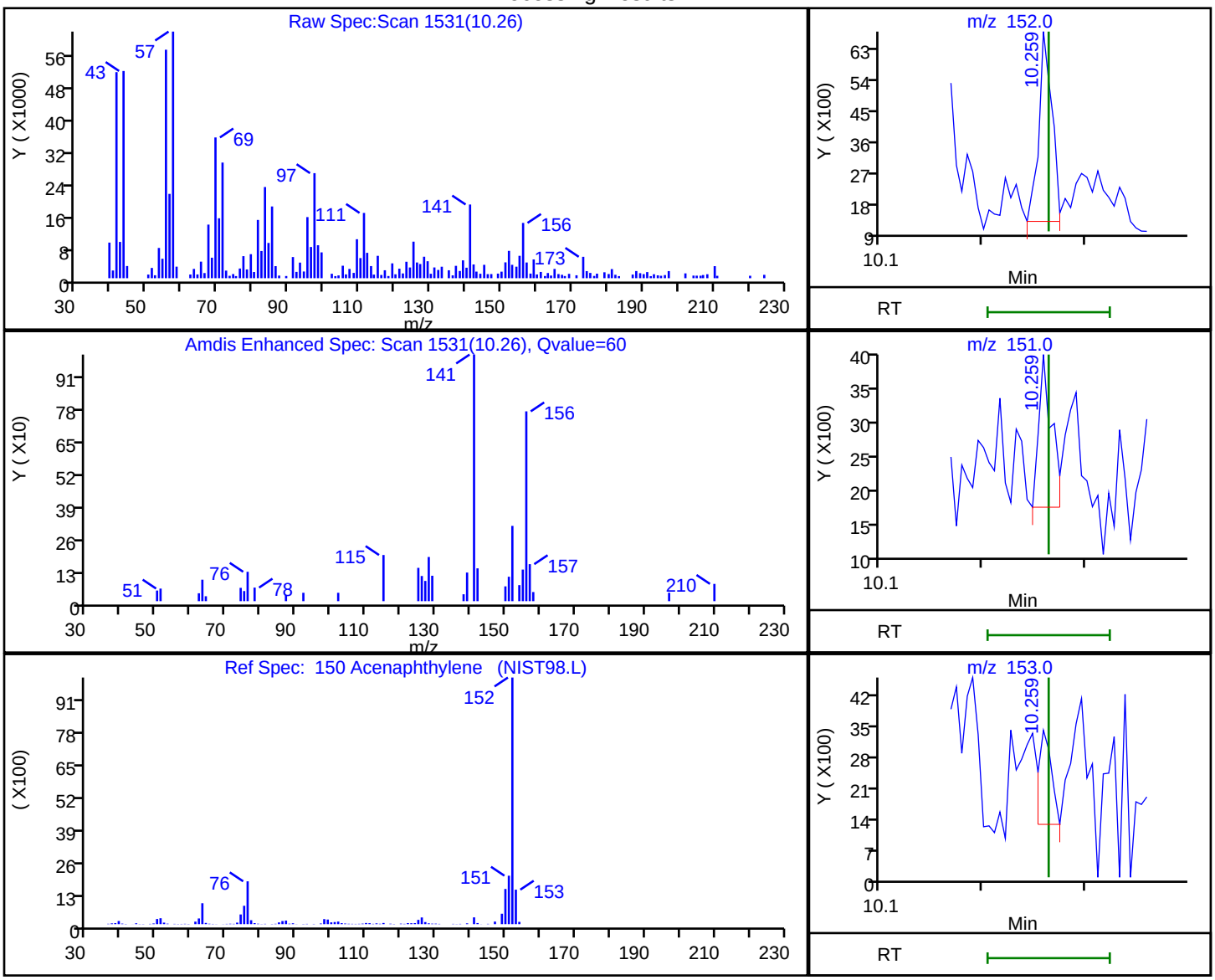
User Disabled Compound Report

TestAmerica Buffalo

Data File:	\\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313132.D				
Injection Date:	20-Nov-2018 18:20:30	Instrument ID:	HP5973V		
Lims ID:	480-145287-A-7-A	Lab Sample ID:	480-145287-7		
Client ID:	B-2				
Operator ID:	PJQ	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	V-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

150 Acenaphthylene, CAS: 208-96-8

Processing Results



RT	Mass	Response	Amount
10.26	152.00	4977	0.247318
10.26	151.00	1916	
10.26	153.00	1840	

Reviewer: quirkp, 21-Nov-2018 12:21:08

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

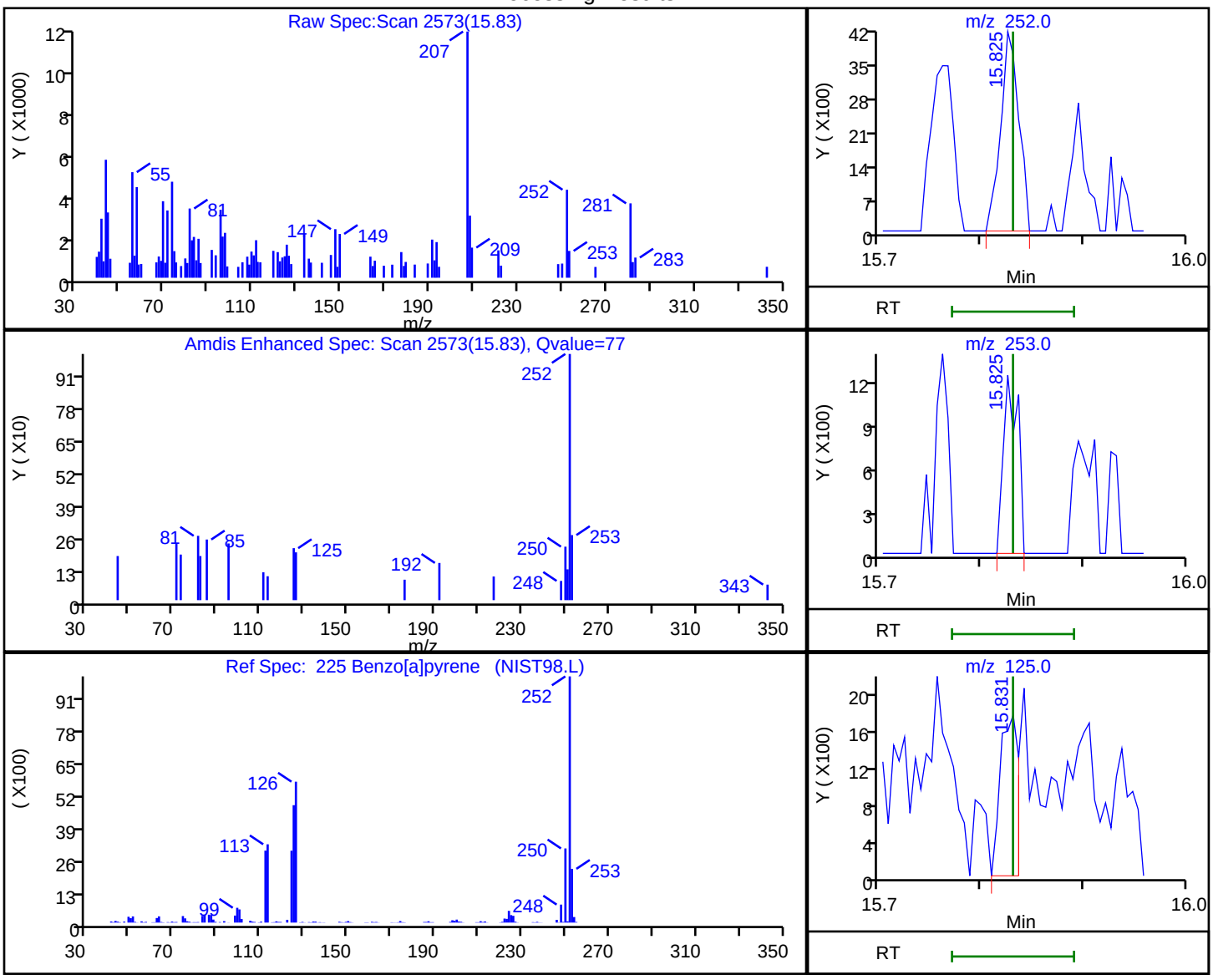
User Disabled Compound Report

TestAmerica Buffalo

Data File:	\\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313132.D				
Injection Date:	20-Nov-2018 18:20:30	Instrument ID:	HP5973V		
Lims ID:	480-145287-A-7-A	Lab Sample ID:	480-145287-7		
Client ID:	B-2				
Operator ID:	PJQ	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	V-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

225 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
15.83	252.00	5082	0.304659
15.83	253.00	1226	
15.83	125.00	2120	

Reviewer: quirkp, 21-Nov-2018 12:22:11

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-145287-1

SDG No.:

Client Sample ID: SW-06 | Lab Sample ID: 480-145287-8

Matrix: Solid | Lab File ID: V313133.D

Analysis Method: 8270D | Date Collected: 11/13/2018 16:35

Extract. Method: 3550C | Date Extracted: 11/15/2018 14:22

Sample wt/vol: 30.92(g) | Date Analyzed: 11/20/2018 18:48

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 11.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 446676 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		190	50
88-06-2	2,4,6-Trichlorophenol	ND		190	37
120-83-2	2,4-Dichlorophenol	ND		190	20
105-67-9	2,4-Dimethylphenol	ND		190	45
51-28-5	2,4-Dinitrophenol	ND		1800	860
121-14-2	2,4-Dinitrotoluene	ND		190	38
606-20-2	2,6-Dinitrotoluene	ND		190	22
91-58-7	2-Chloronaphthalene	ND		190	31
95-57-8	2-Chlorophenol	ND		190	34
91-57-6	2-Methylnaphthalene	50	J	190	37
95-48-7	2-Methylphenol	ND		190	22
88-74-4	2-Nitroaniline	ND		360	27
88-75-5	2-Nitrophenol	ND		190	53
91-94-1	3,3'-Dichlorobenzidine	ND		360	220
99-09-2	3-Nitroaniline	ND		360	52
534-52-1	4,6-Dinitro-2-methylphenol	ND		360	190
101-55-3	4-Bromophenyl phenyl ether	ND		190	26
59-50-7	4-Chloro-3-methylphenol	ND		190	46
106-47-8	4-Chloroaniline	ND		190	46
7005-72-3	4-Chlorophenyl phenyl ether	ND		190	23
106-44-5	4-Methylphenol	ND		360	22
100-01-6	4-Nitroaniline	ND		360	98
100-02-7	4-Nitrophenol	ND		360	130
83-32-9	Acenaphthene	ND		190	27
208-96-8	Acenaphthylene	ND		190	24
98-86-2	Acetophenone	ND		190	25
120-12-7	Anthracene	ND		190	46
1912-24-9	Atrazine	ND		190	65
100-52-7	Benzaldehyde	ND		190	150
56-55-3	Benzo(a)anthracene	ND		190	19
50-32-8	Benzo(a)pyrene	ND		190	27
205-99-2	Benzo(b)fluoranthene	ND		190	30
191-24-2	Benzo(g,h,i)perylene	ND		190	20
207-08-9	Benzo(k)fluoranthene	ND		190	24

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-145287-1

SDG No.:

Client Sample ID: SW-06 | Lab Sample ID: 480-145287-8

Matrix: Solid | Lab File ID: V313133.D

Analysis Method: 8270D | Date Collected: 11/13/2018 16:35

Extract. Method: 3550C | Date Extracted: 11/15/2018 14:22

Sample wt/vol: 30.92(g) | Date Analyzed: 11/20/2018 18:48

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 11.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 446676 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	85	J	190	27
108-60-1	bis (2-chloroisopropyl) ether	ND		190	37
111-91-1	Bis(2-chloroethoxy)methane	ND		190	40
111-44-4	Bis(2-chloroethyl)ether	ND		190	24
117-81-7	Bis(2-ethylhexyl) phthalate	ND		190	64
85-68-7	Butyl benzyl phthalate	ND		190	31
105-60-2	Caprolactam	ND		190	56
86-74-8	Carbazole	ND		190	22
218-01-9	Chrysene	ND		190	42
53-70-3	Dibenz(a,h)anthracene	ND		190	33
132-64-9	Dibenzofuran	ND		190	22
84-66-2	Diethyl phthalate	ND		190	24
131-11-3	Dimethyl phthalate	ND		190	22
84-74-2	Di-n-butyl phthalate	ND		190	32
117-84-0	Di-n-octyl phthalate	ND		190	22
206-44-0	Fluoranthene	38	J	190	20
86-73-7	Fluorene	23	J	190	22
118-74-1	Hexachlorobenzene	ND		190	25
87-68-3	Hexachlorobutadiene	ND		190	27
77-47-4	Hexachlorocyclopentadiene	ND		190	25
67-72-1	Hexachloroethane	ND		190	24
193-39-5	Indeno(1,2,3-cd)pyrene	ND		190	23
78-59-1	Isophorone	ND		190	40
91-20-3	Naphthalene	31	J	190	24
98-95-3	Nitrobenzene	ND		190	21
621-64-7	N-Nitrosodi-n-propylamine	ND		190	32
86-30-6	N-Nitrosodiphenylamine	ND		190	150
87-86-5	Pentachlorophenol	ND		360	190
85-01-8	Phenanthrene	76	J	190	27
108-95-2	Phenol	ND		190	29
129-00-0	Pyrene	32	J	190	22

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-145287-1

SDG No.:

Client Sample ID: SW-06 | Lab Sample ID: 480-145287-8

Matrix: Solid | Lab File ID: V313133.D

Analysis Method: 8270D | Date Collected: 11/13/2018 16:35

Extract. Method: 3550C | Date Extracted: 11/15/2018 14:22

Sample wt/vol: 30.92(g) | Date Analyzed: 11/20/2018 18:48

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 11.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 446676 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	78		54-120
321-60-8	2-Fluorobiphenyl	101		60-120
367-12-4	2-Fluorophenol	85		52-120
4165-60-0	Nitrobenzene-d5	92		53-120
4165-62-2	Phenol-d5	89		54-120
1718-51-0	p-Terphenyl-d14	116		65-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313133.D
Lims ID: 480-145287-B-8-A
Client ID: SW-06
Sample Type: Client
Inject. Date: 20-Nov-2018 18:48:30 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0076624-011
Operator ID: PJQ Instrument ID: HP5973V

Method: \\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 21-Nov-2018 12:24:06 Calib Date: 14-Nov-2018 18:42:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313041.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0311

First Level Reviewer: quirkp Date: 21-Nov-2018 12:24:32

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
*	1 1,4-Dichlorobenzene-d4	152	6.834	6.840	-0.006	97	241961	40.0	
*	2 Naphthalene-d8	136	8.357	8.357	0.000	100	865427	40.0	
*	3 Acenaphthene-d10	164	10.419	10.419	0.000	95	406383	40.0	
*	4 Phenanthrene-d10	188	11.925	11.931	-0.006	98	654240	40.0	
*	5 Chrysene-d12	240	14.319	14.324	-0.005	99	548667	40.0	
*	6 Perylene-d12	264	15.895	15.900	-0.005	97	508762	40.0	
$	7 2-Fluorophenol	112	5.221	5.222	-0.005	94	298142	34.1	
$	8 Phenol-d5	99	6.348	6.343	0.000	97	365830	35.7	
$	9 Nitrobenzene-d5	82	7.481	7.486	-0.005	91	311918	36.8	
$	10 2-Fluorobiphenyl	172	9.623	9.618	0.000	100	600108	40.4	
$	11 2,4,6-Tribromophenol	330	11.242	11.237	0.000	89	54421	31.4	
$	12 p-Terphenyl-d14	244	13.336	13.331	0.000	99	545402	46.2	
	80 Benzaldehyde	77		6.305				ND	
	81 Phenol	94		6.364				ND	
	83 Bis(2-chloroethyl)ether	93		6.487				ND	
	84 2-Chlorophenol	128		6.583				ND	
	92 2-Methylphenol	108		7.096				ND	
	93 2,2'-oxybis[1-chloropropan	45		7.133				ND	
	96 4-Methylphenol	108		7.272				ND	
	95 N-Nitrosodi-n-propylamine	70		7.288				ND	
	94 Acetophenone	105		7.299				ND	
	99 Hexachloroethane	117		7.459				ND	
	102 Nitrobenzene	77		7.513				ND	
	106 Isophorone	82		7.785				ND	
	107 2-Nitrophenol	139		7.892				ND	
	108 2,4-Dimethylphenol	107		7.908				ND	
	111 Bis(2-chloroethoxy)methane	93		8.020				ND	
	114 2,4-Dichlorophenol	162		8.175				ND	
	118 Naphthalene	128	8.384	8.384	0.001	95	17669	0.8394	
	119 4-Chloroaniline	127		8.426				ND	
	121 Hexachlorobutadiene	225		8.528				ND	
	124 Caprolactam	113		8.827				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
129 4-Chloro-3-methylphenol	107		8.976				ND	
131 2-Methylnaphthalene	142	9.201	9.201	0.000	94	19447	1.36	
134 Hexachlorocyclopentadiene	237		9.398				ND	
137 2,4,6-Trichlorophenol	196		9.527				ND	
138 2,4,5-Trichlorophenol	196		9.575				ND	
140 1,1'-Biphenyl	154	9.746	9.751	-0.005	93	39404	2.33	
141 2-Chloronaphthalene	162		9.783				ND	
143 2-Nitroaniline	65		9.885				ND	U
146 Dimethyl phthalate	163		10.072				ND	
149 2,6-Dinitrotoluene	165		10.146				ND	
150 Acenaphthylene	152		10.264				ND	U
151 3-Nitroaniline	138		10.344				ND	
153 2,4-Dinitrophenol	184		10.456				ND	
152 Acenaphthene	153		10.456				ND	U
154 4-Nitrophenol	109		10.504				ND	
156 2,4-Dinitrotoluene	165		10.595				ND	
155 Dibenzofuran	168		10.638				ND	U
161 Diethyl phthalate	149		10.836				ND	
163 4-Chlorophenyl phenyl ethe	204		10.980				ND	
164 4-Nitroaniline	138		10.996				ND	U
162 Fluorene	166	10.996	11.001	-0.005	86	8462	0.6169	
165 4,6-Dinitro-2-methylphenol	198		11.028				ND	
168 N-Nitrosodiphenylamine	169		11.092				ND	
175 4-Bromophenyl phenyl ether	248		11.471				ND	
179 Hexachlorobenzene	284		11.562				ND	
180 Atrazine	200		11.599				ND	
183 Pentachlorophenol	266		11.744				ND	
188 Phenanthrene	178	11.952	11.947	0.000	97	36578	2.08	
189 Anthracene	178		12.000				ND	U
192 Carbazole	167		12.134				ND	
195 Di-n-butyl phthalate	149		12.395				ND	
201 Fluoranthene	202	13.037	13.031	0.001	97	19014	1.05	
204 Pyrene	202	13.245	13.245	-0.005	96	14790	0.8693	
210 Butyl benzyl phthalate	149		13.731				ND	
216 Bis(2-ethylhexyl) phthalat	149		14.201				ND	
215 3,3'-Dichlorobenzidine	252		14.249				ND	
217 Benzo[a]anthracene	228		14.313				ND	
218 Chrysene	228		14.351				ND	U
220 Di-n-octyl phthalate	149		14.799				ND	
221 Benzo[b]fluoranthene	252		15.424				ND	
222 Benzo[k]fluoranthene	252		15.451				ND	
225 Benzo[a]pyrene	252		15.830				ND	
228 Dibenz(a,h)anthracene	278		17.492				ND	
227 Indeno[1,2,3-cd]pyrene	276		17.497				ND	
229 Benzo[g,h,i]perylene	276		17.994				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

MB_INTSTD_STK_00055 Amount Added: 20.00 Units: uL Run Reagent

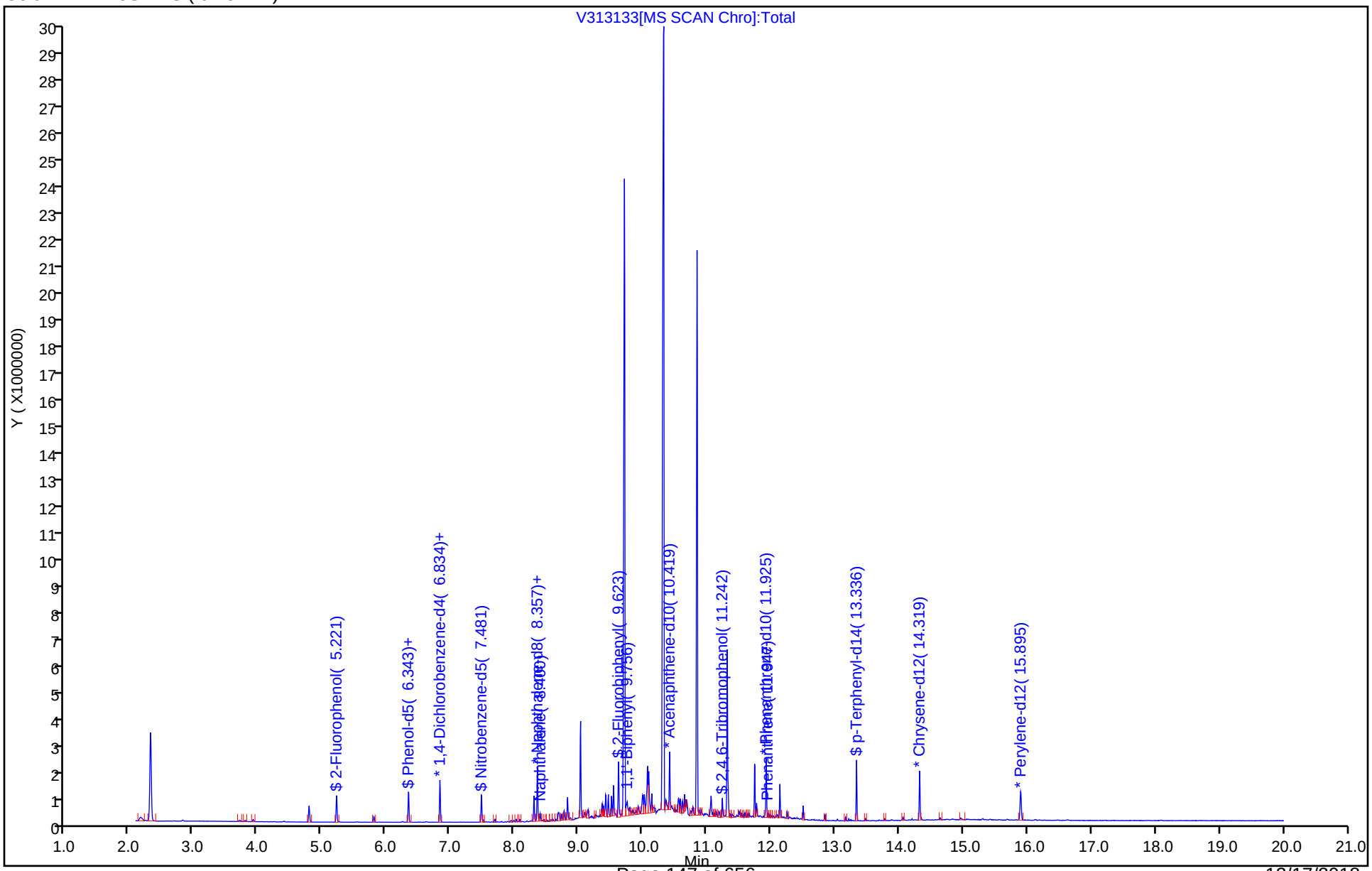
Report Date: 21-Nov-2018 12:24:33 Chrom Revision: 2.3 20-Nov-2018 10:08:14

TestAmerica Buffalo

Data File: \\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313133.D

Injection Date:	20-Nov-2018 18:48:30	Instrument ID:	HP5973V	Operator ID:	PJQ
Lims ID:	480-145287-B-8-A	Lab Sample ID:	480-145287-8	Worklist Smp#:	11
Client ID:	SW-06				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	V-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



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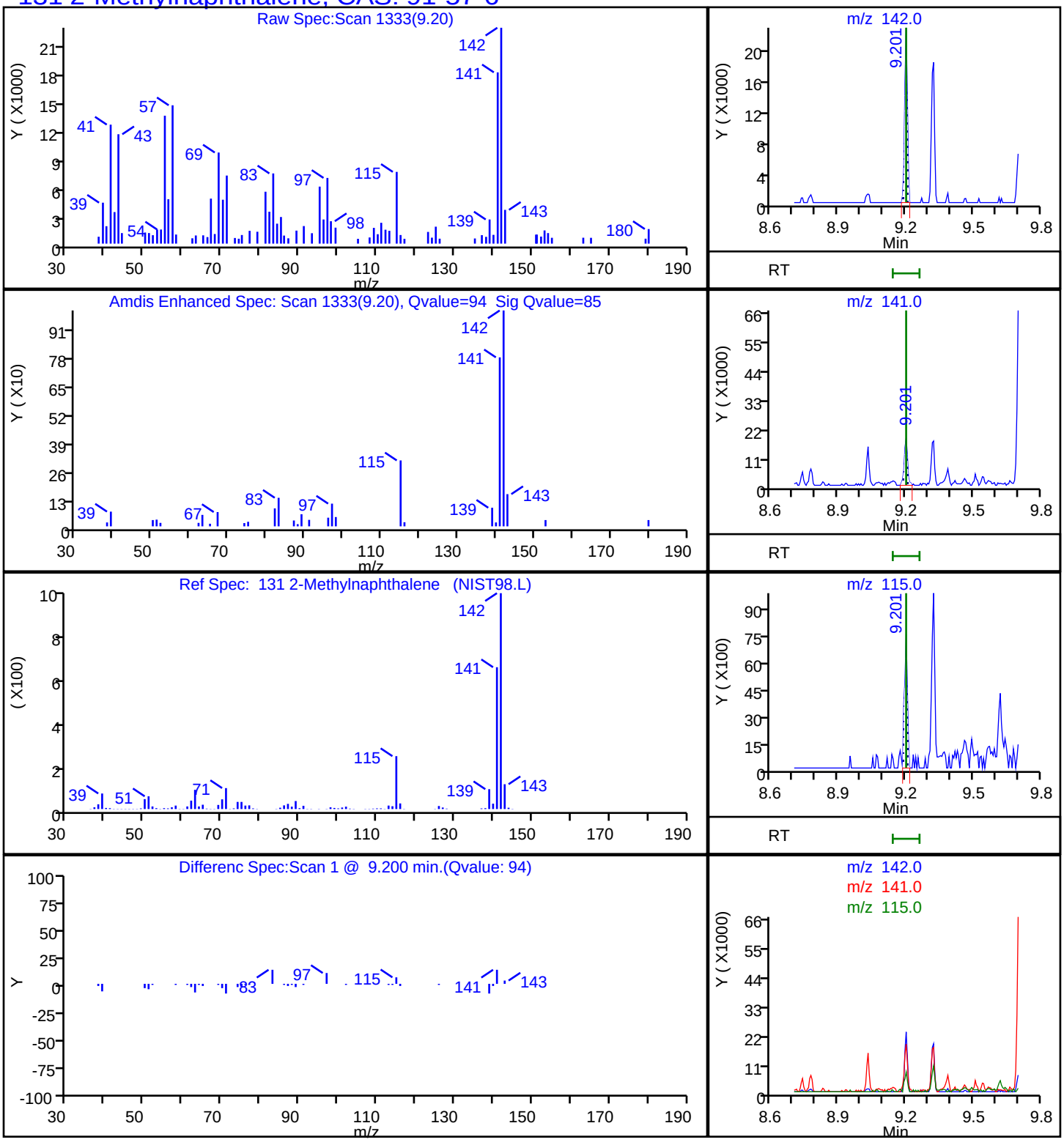
Injection Date:	20-Nov-2018 18:48:30	Instrument ID:	HP5973V		
Lims ID:	480-145287-B-8-A	Lab Sample ID:	480-145287-8		
Client ID:	SW-06				
Operator ID:	PJQ	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	V-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

131 2-Methylnaphthalene, CAS: 91-57-6

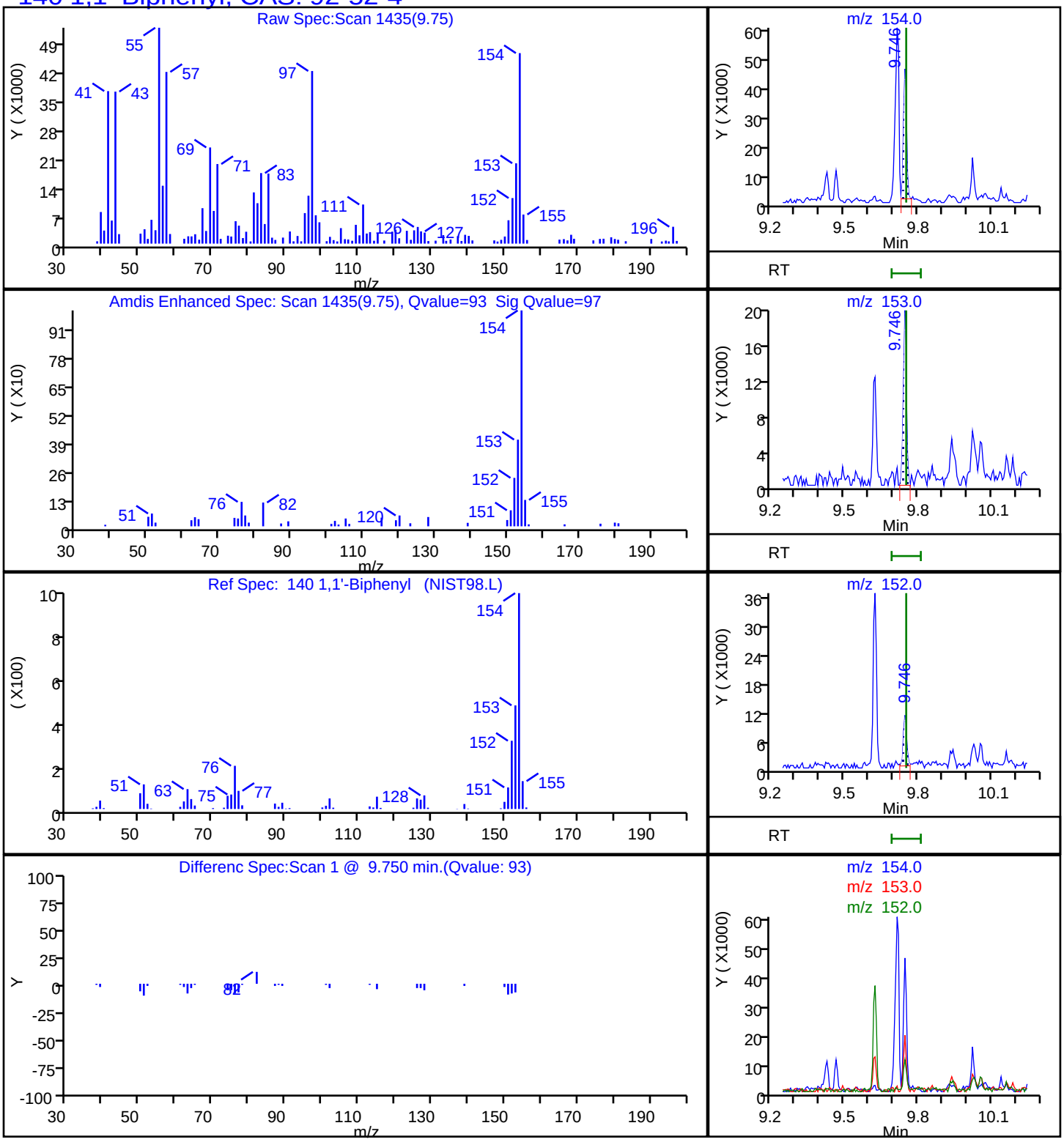


TestAmerica Buffalo

Data File: \\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313133.D

Injection Date:	20-Nov-2018 18:48:30	Instrument ID:	HP5973V
Lims ID:	480-145287-B-8-A	Lab Sample ID:	480-145287-8
Client ID:	SW-06		
Operator ID:	PJQ	ALS Bottle#:	11 Worklist Smp#: 11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	V-8270	Limit Group:	MB - 8270D ICAL
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN

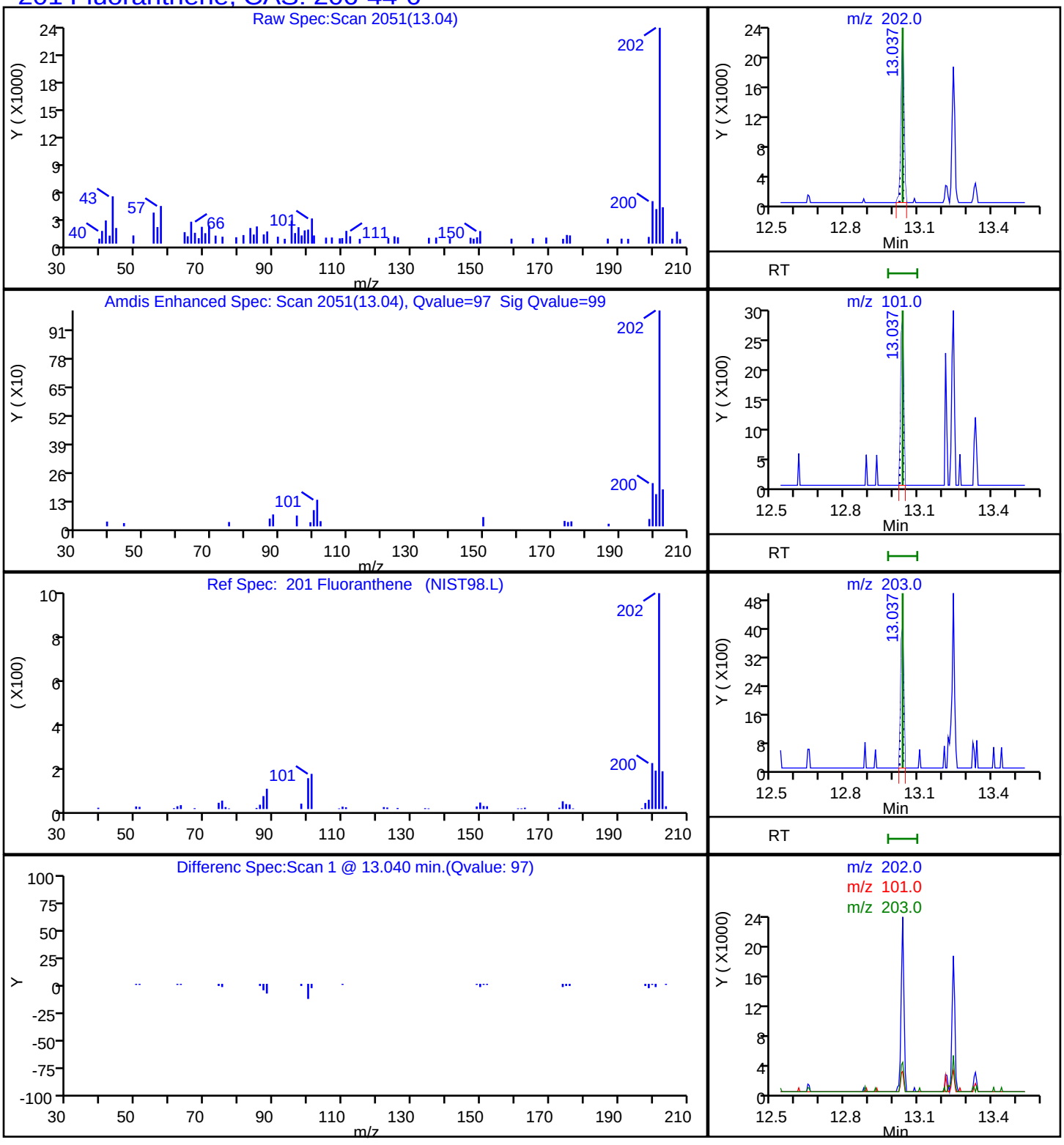
140 1,1'-Biphenyl, CAS: 92-52-4



TestAmerica Buffalo

Data File:	\\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313133.D				
Injection Date:	20-Nov-2018 18:48:30	Instrument ID:	HP5973V		
Lims ID:	480-145287-B-8-A	Lab Sample ID:	480-145287-8		
Client ID:	SW-06				
Operator ID:	PJQ	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	V-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

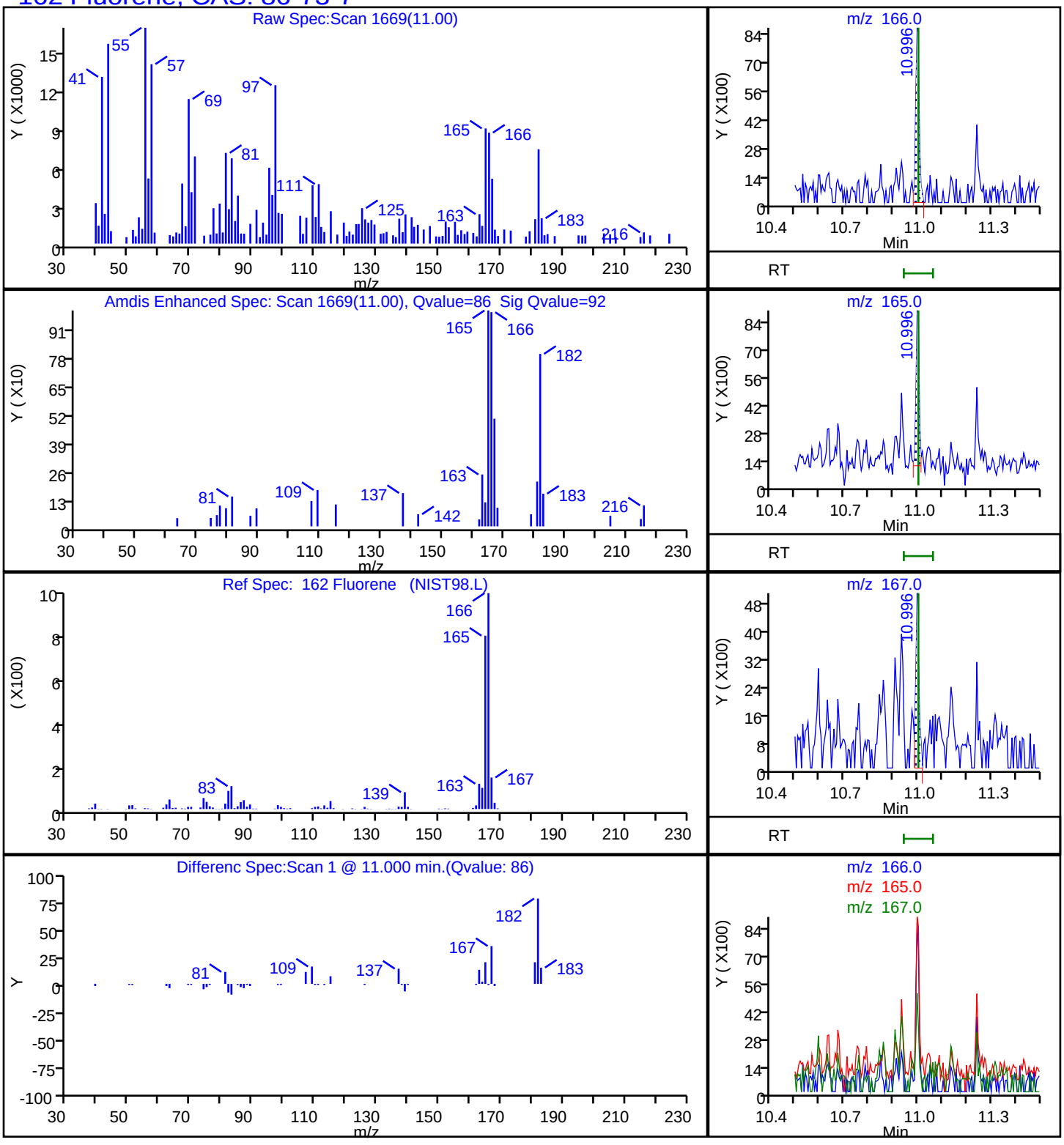
201 Fluoranthene, CAS: 206-44-0



TestAmerica Buffalo

Data File:	\\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313133.D				
Injection Date:	20-Nov-2018 18:48:30	Instrument ID:	HP5973V		
Lims ID:	480-145287-B-8-A	Lab Sample ID:	480-145287-8		
Client ID:	SW-06				
Operator ID:	PJQ	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	V-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

162 Fluorene, CAS: 86-73-7

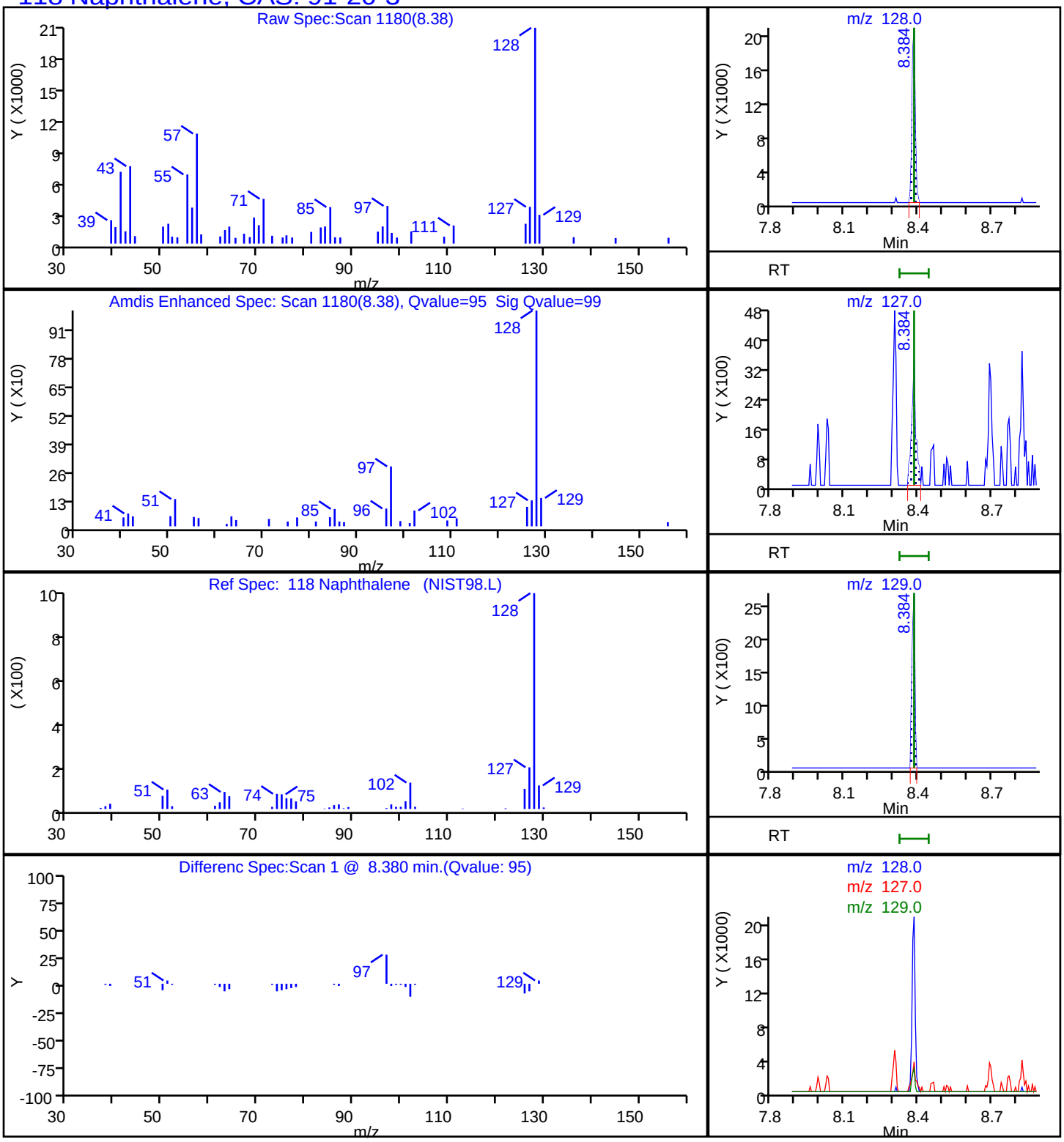


TestAmerica Buffalo

Data File: \\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313133.D

Injection Date:	20-Nov-2018 18:48:30	Instrument ID:	HP5973V
Lims ID:	480-145287-B-8-A	Lab Sample ID:	480-145287-8
Client ID:	SW-06		
Operator ID:	PJQ	ALS Bottle#:	11 Worklist Smp#: 11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	V-8270	Limit Group:	MB - 8270D ICAL
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN

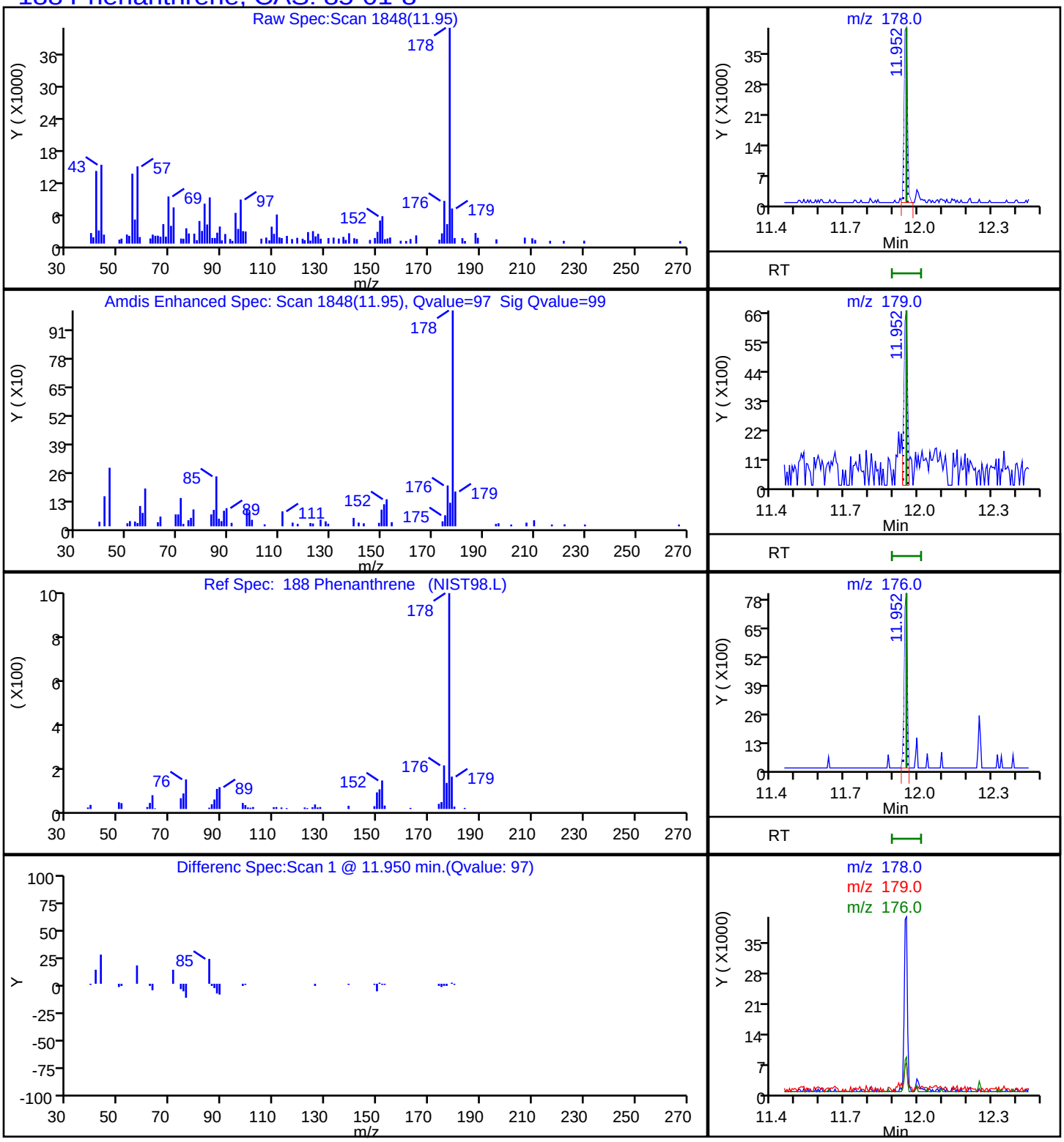
118 Naphthalene, CAS: 91-20-3



TestAmerica Buffalo

Data File:	\\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313133.D		
Injection Date:	20-Nov-2018 18:48:30	Instrument ID:	HP5973V
Lims ID:	480-145287-B-8-A	Lab Sample ID:	480-145287-8
Client ID:	SW-06		
Operator ID:	PJQ	ALS Bottle#:	11 Worklist Smp#: 11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	V-8270	Limit Group:	MB - 8270D ICAL
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN

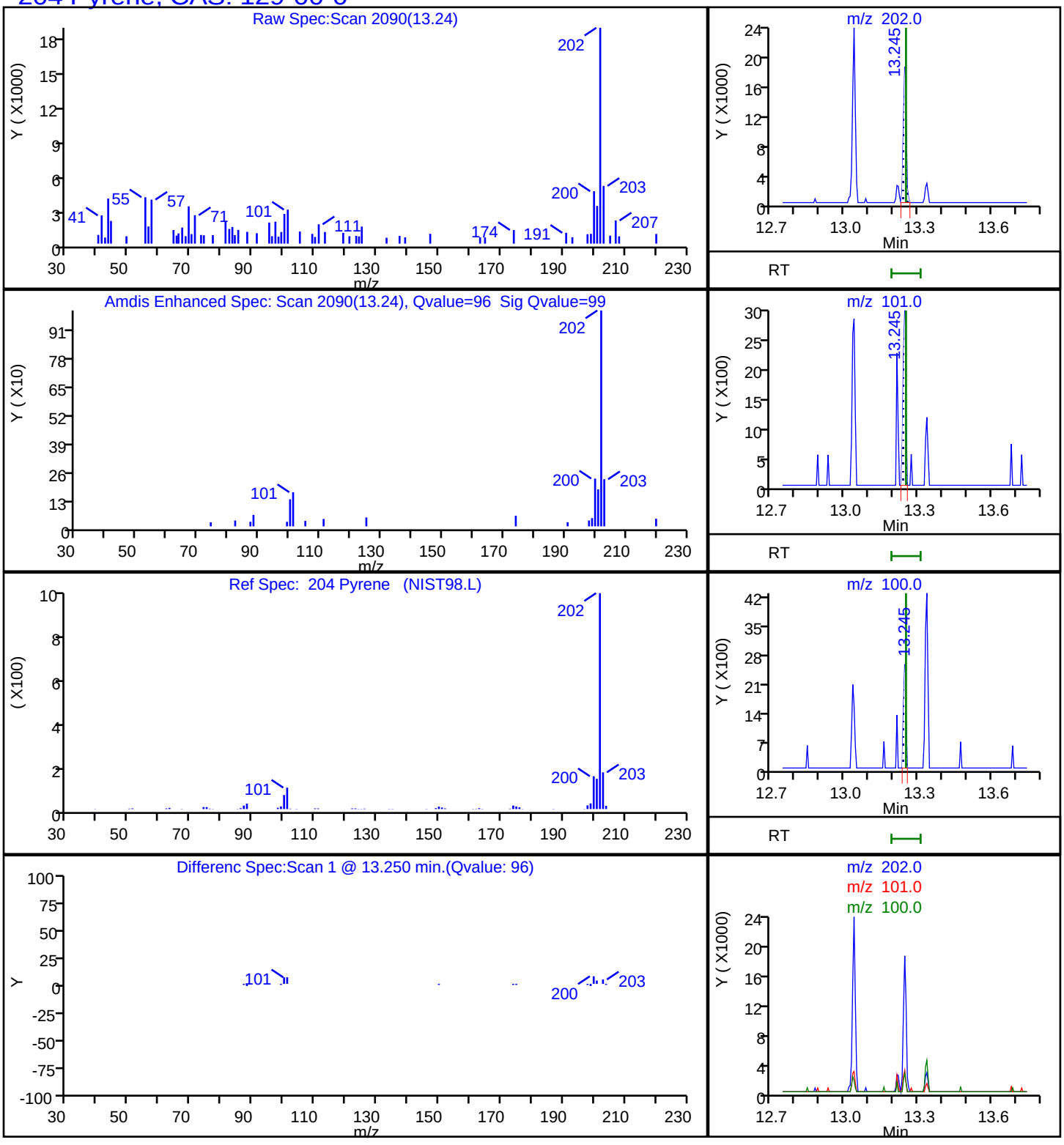
188 Phenanthrene, CAS: 85-01-8



TestAmerica Buffalo

Data File:	\\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313133.D				
Injection Date:	20-Nov-2018 18:48:30	Instrument ID:	HP5973V		
Lims ID:	480-145287-B-8-A	Lab Sample ID:	480-145287-8		
Client ID:	SW-06				
Operator ID:	PJQ	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	V-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

204 Pyrene, CAS: 129-00-0



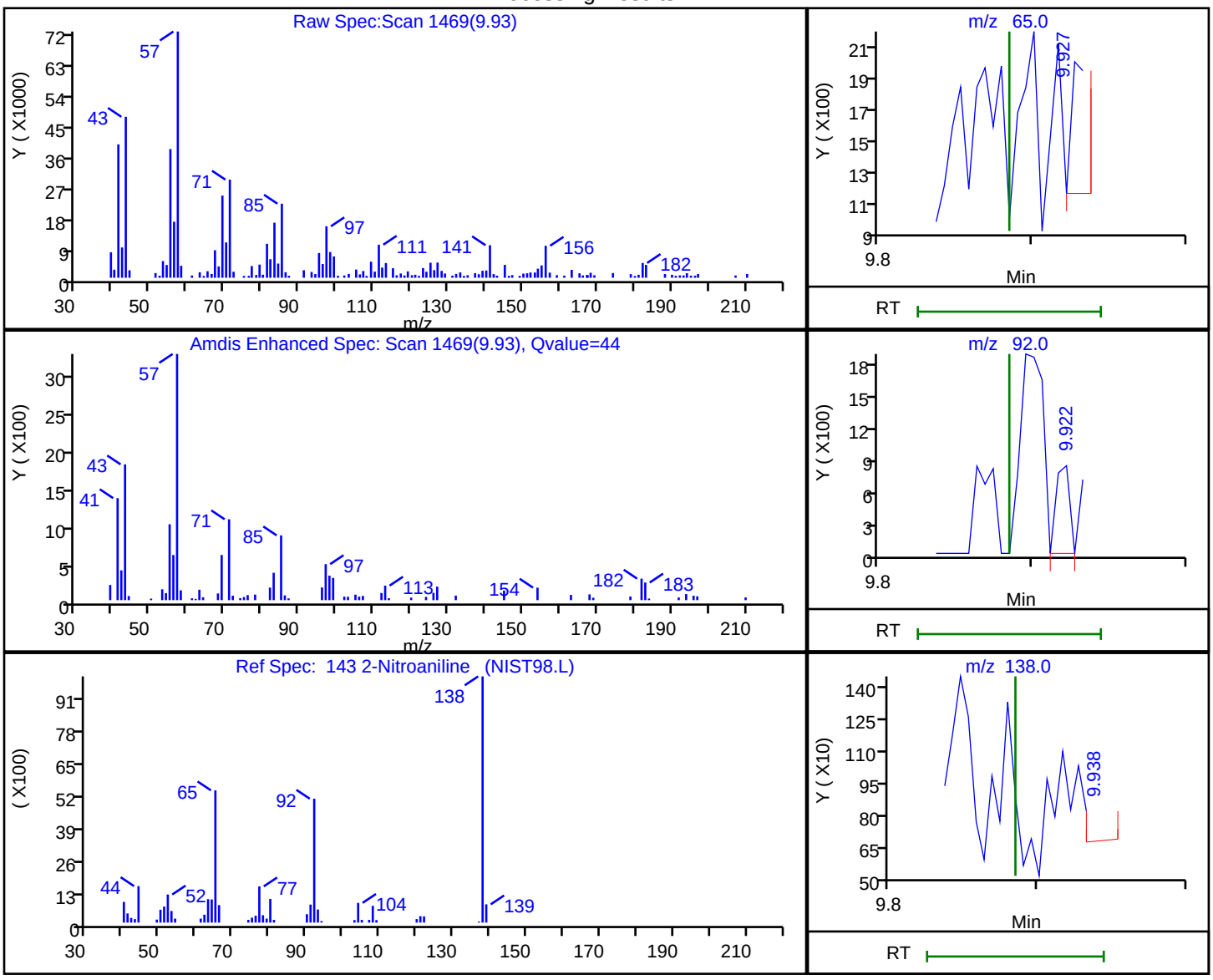
User Disabled Compound Report

TestAmerica Buffalo

Data File:	\\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313133.D				
Injection Date:	20-Nov-2018 18:48:30	Instrument ID:	HP5973V		
Lims ID:	480-145287-B-8-A	Lab Sample ID:	480-145287-8		
Client ID:	SW-06				
Operator ID:	PJQ	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	V-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

143 2-Nitroaniline, CAS: 88-74-4

Processing Results



RT	Mass	Response	Amount
9.93	65.00	697	0.603760
9.92	92.00	501	
9.94	138.00	400	

Reviewer: quirkp, 21-Nov-2018 12:23:11

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

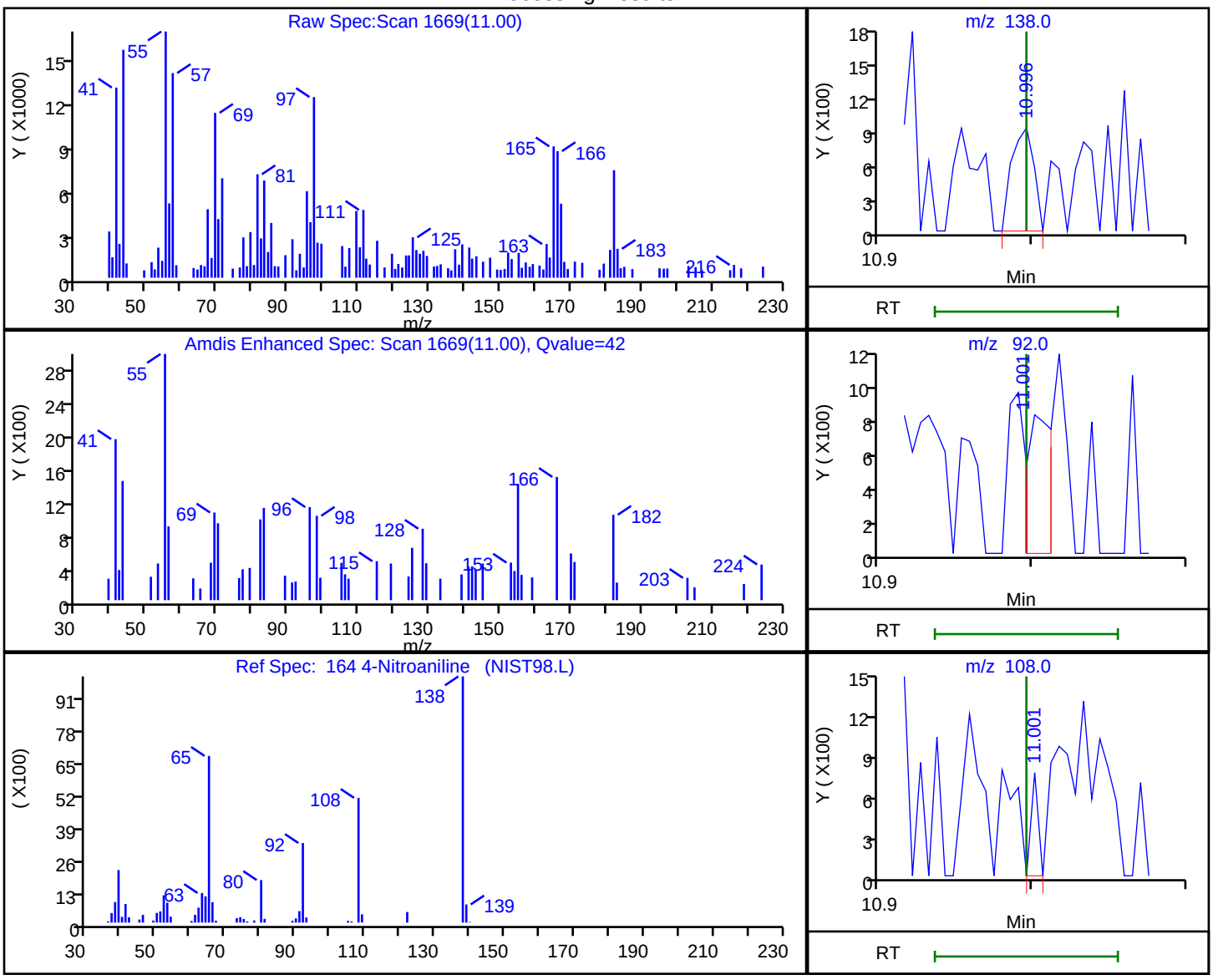
User Disabled Compound Report

TestAmerica Buffalo

Data File:	\\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313133.D				
Injection Date:	20-Nov-2018 18:48:30	Instrument ID:	HP5973V		
Lims ID:	480-145287-B-8-A	Lab Sample ID:	480-145287-8		
Client ID:	SW-06				
Operator ID:	PJQ	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	V-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

164 4-Nitroaniline, CAS: 100-01-6

Processing Results



RT	Mass	Response	Amount
11.00	138.00	898	0.501796
11.00	92.00	884	
11.00	108.00	243	

Reviewer: quirkp, 21-Nov-2018 12:23:23

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

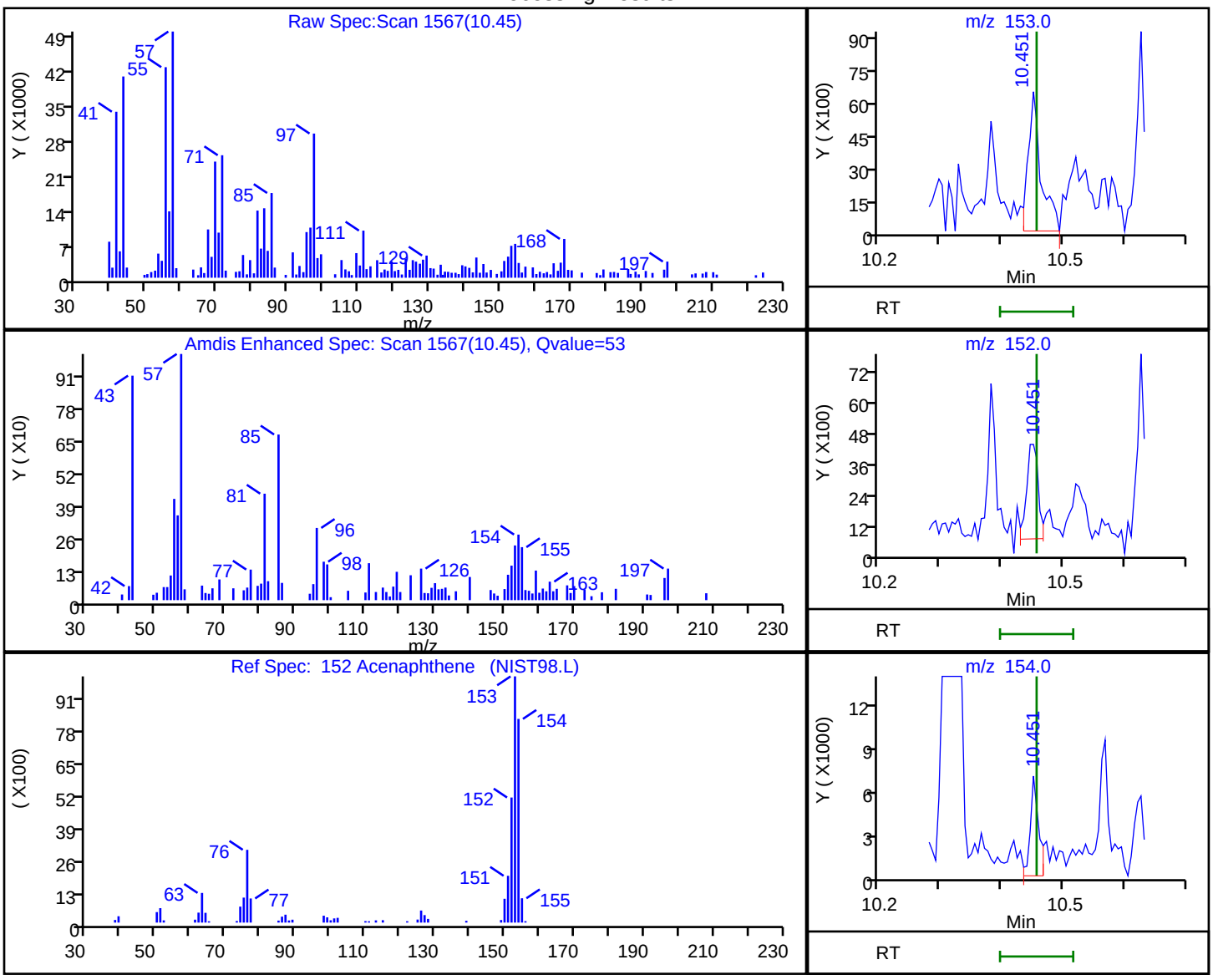
User Disabled Compound Report

TestAmerica Buffalo

Data File:	\\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313133.D				
Injection Date:	20-Nov-2018 18:48:30	Instrument ID:	HP5973V		
Lims ID:	480-145287-B-8-A	Lab Sample ID:	480-145287-8		
Client ID:	SW-06				
Operator ID:	PJQ	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	V-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

152 Acenaphthene, CAS: 83-32-9

Processing Results



RT	Mass	Response	Amount
10.45	153.00	9436	0.801856
10.45	152.00	4967	
10.45	154.00	6569	

Reviewer: quirkp, 21-Nov-2018 12:23:17

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

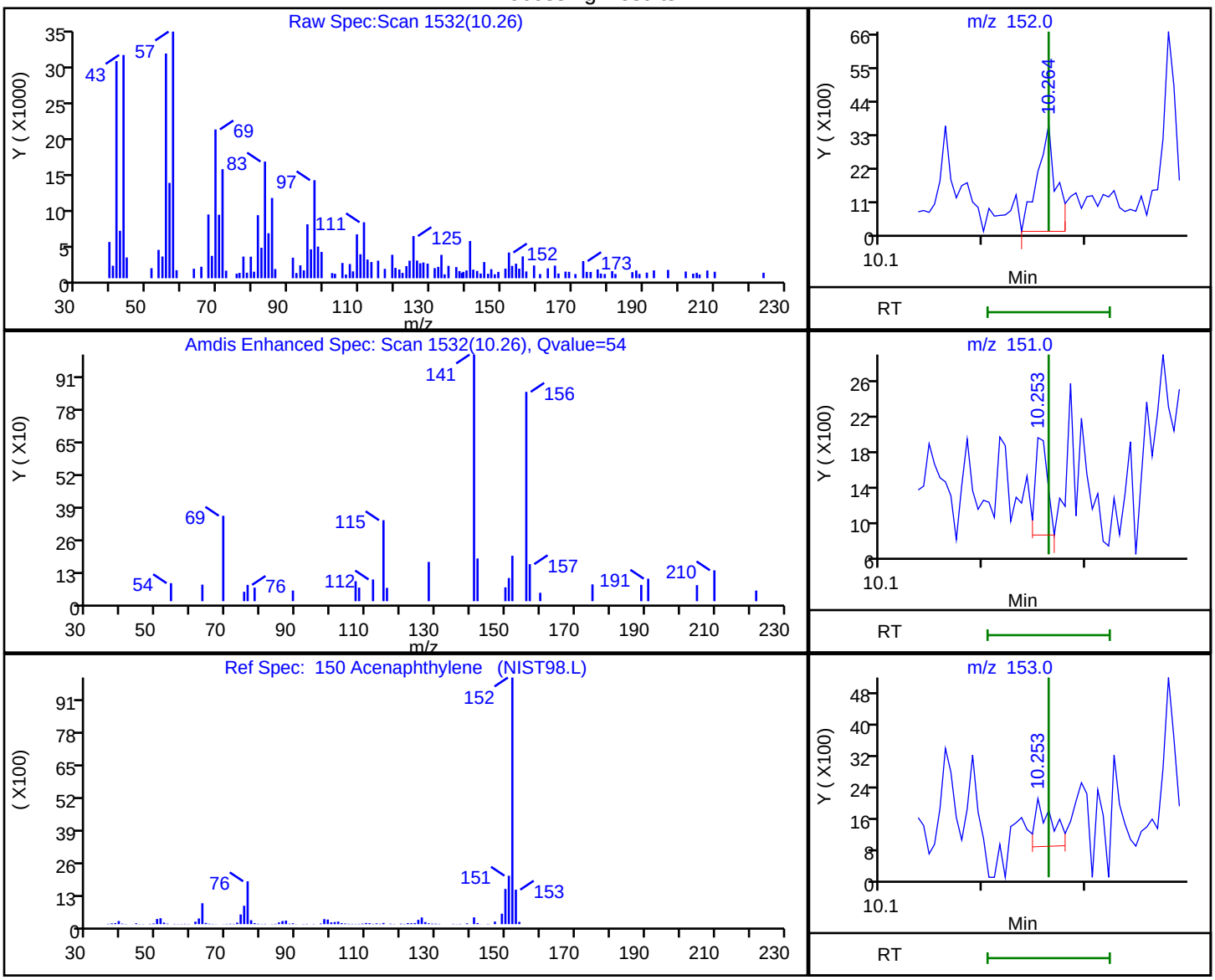
User Disabled Compound Report

TestAmerica Buffalo

Data File:	\\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313133.D				
Injection Date:	20-Nov-2018 18:48:30	Instrument ID:	HP5973V		
Lims ID:	480-145287-B-8-A	Lab Sample ID:	480-145287-8		
Client ID:	SW-06				
Operator ID:	PJQ	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	V-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

150 Acenaphthylene, CAS: 208-96-8

Processing Results



RT	Mass	Response	Amount
10.26	152.00	4489	0.254482
10.25	151.00	883	
10.25	153.00	1426	

Reviewer: quirkp, 21-Nov-2018 12:23:14

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

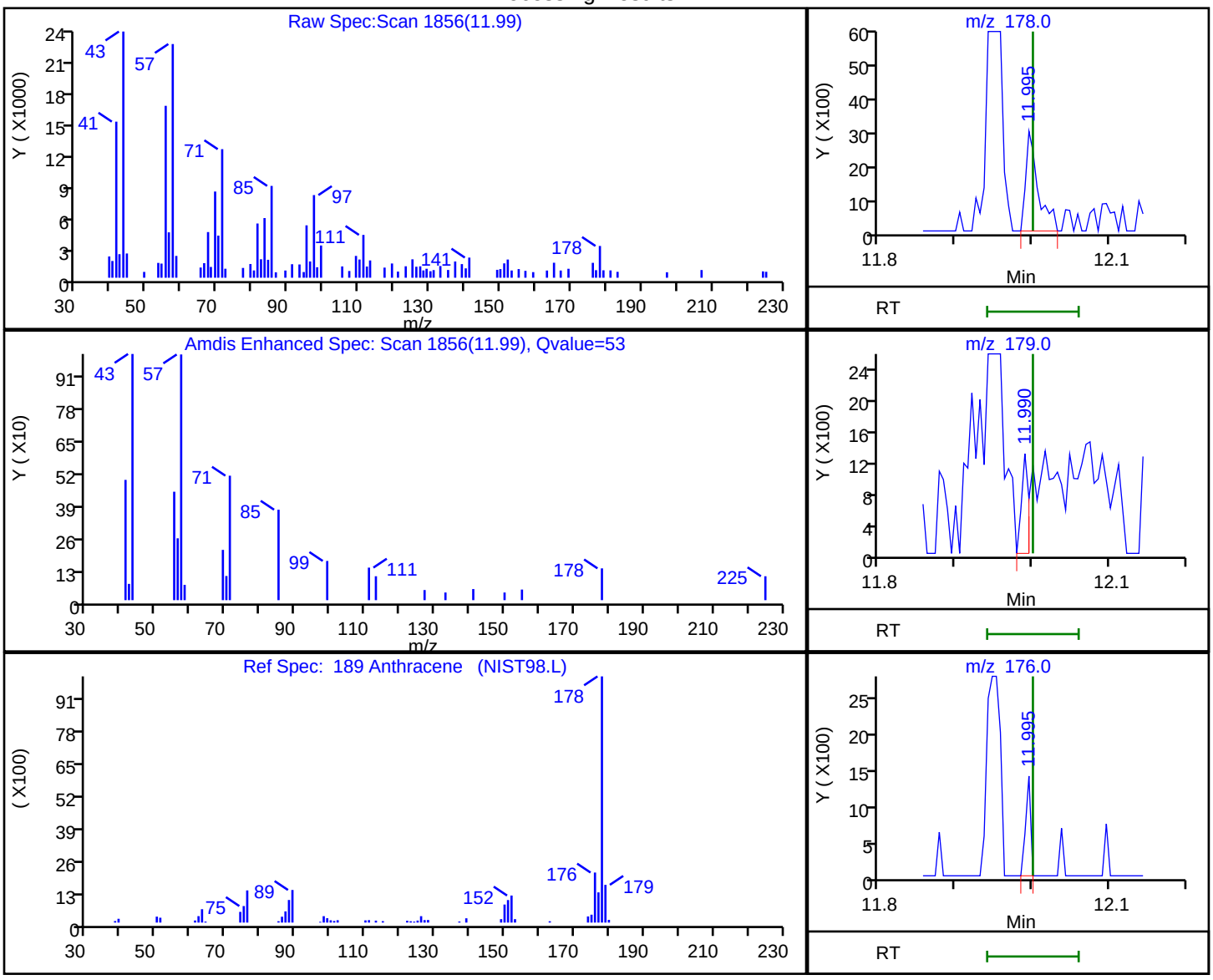
User Disabled Compound Report

TestAmerica Buffalo

Data File:	\\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313133.D				
Injection Date:	20-Nov-2018 18:48:30	Instrument ID:	HP5973V		
Lims ID:	480-145287-B-8-A	Lab Sample ID:	480-145287-8		
Client ID:	SW-06				
Operator ID:	PJQ	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	V-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

189 Anthracene, CAS: 120-12-7

Processing Results



RT	Mass	Response	Amount
11.99	178.00	3341	0.189421
11.99	179.00	803	
11.99	176.00	631	

Reviewer: quirkp, 21-Nov-2018 12:23:34

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

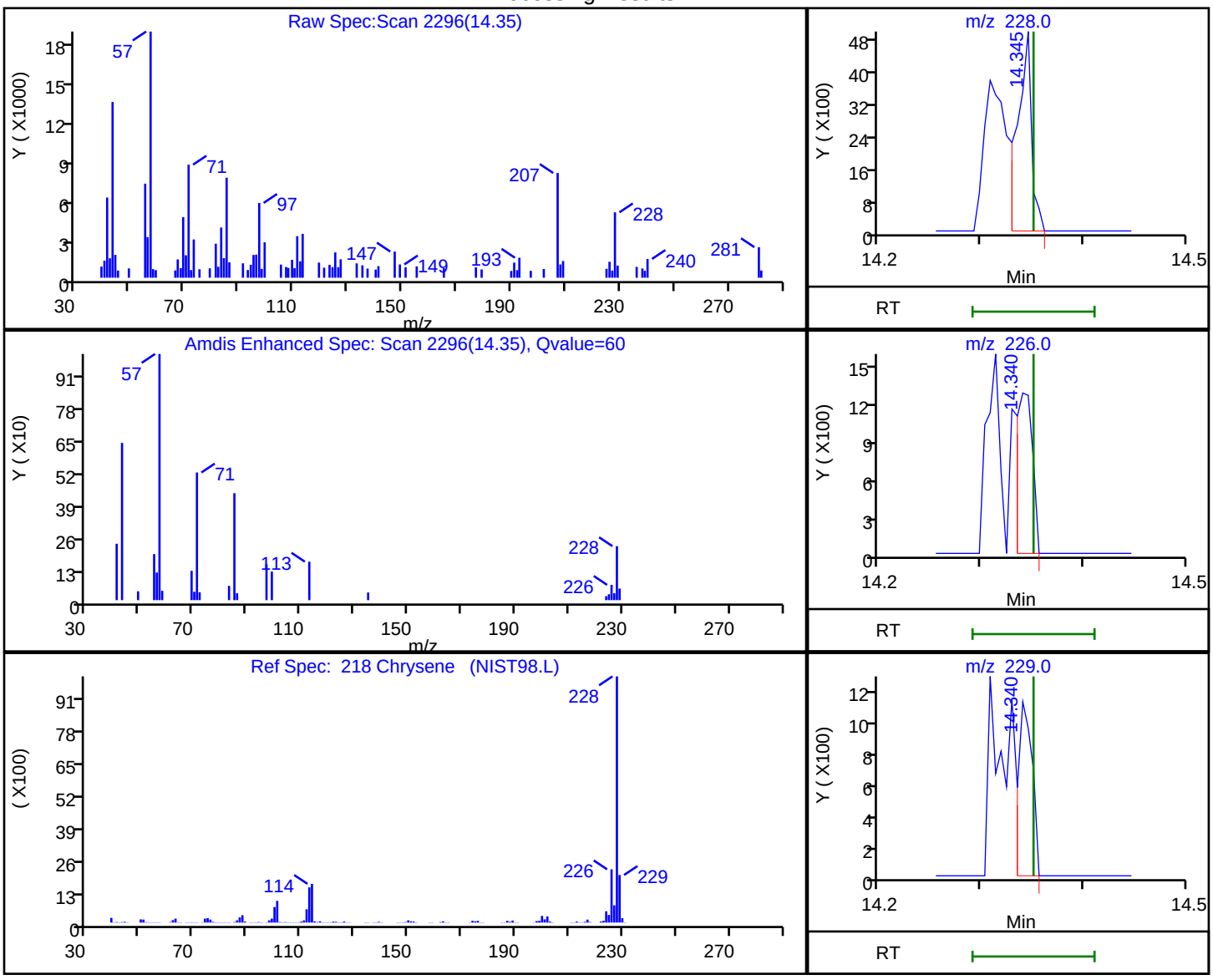
User Disabled Compound Report

TestAmerica Buffalo

Data File:	\\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313133.D				
Injection Date:	20-Nov-2018 18:48:30	Instrument ID:	HP5973V		
Lims ID:	480-145287-B-8-A	Lab Sample ID:	480-145287-8		
Client ID:	SW-06				
Operator ID:	PJQ	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	V-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

218 Chrysene, CAS: 218-01-9

Processing Results



RT	Mass	Response	Amount
14.35	228.00	4760	0.300049
14.34	226.00	1350	
14.34	229.00	1037	

Reviewer: quirkp, 21-Nov-2018 12:23:42

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

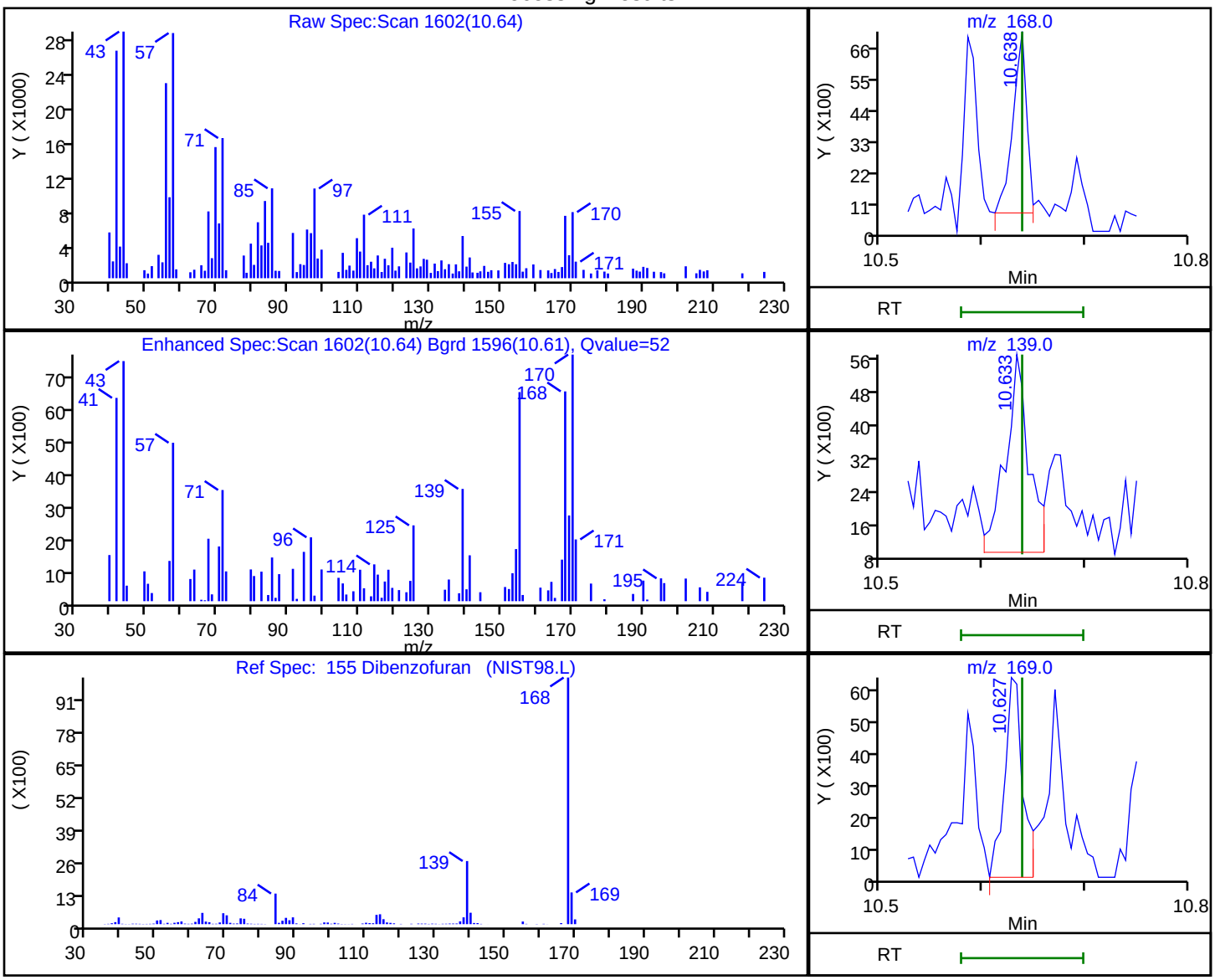
User Disabled Compound Report

TestAmerica Buffalo

Data File:	\\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313133.D				
Injection Date:	20-Nov-2018 18:48:30	Instrument ID:	HP5973V		
Lims ID:	480-145287-B-8-A	Lab Sample ID:	480-145287-8		
Client ID:	SW-06				
Operator ID:	PJQ	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	V-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

155 Dibenzofuran, CAS: 132-64-9

Processing Results



RT	Mass	Response	Amount
10.64	168.00	6091	0.363053
10.63	139.00	7743	
10.63	169.00	7866	

Reviewer: quirkp, 21-Nov-2018 12:23:20

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

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

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1 Analy Batch No.: 445539

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/14/2018 15:29 Calibration End Date: 11/14/2018 18:42 Calibration ID: 35378

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-445539/3	V313034.D
Level 2	IC 480-445539/4	V313035.D
Level 3	IC 480-445539/5	V313036.D
Level 4	IC 480-445539/6	V313037.D
Level 5	ICIS 480-445539/7	V313038.D
Level 6	IC 480-445539/8	V313039.D
Level 7	IC 480-445539/9	V313040.D
Level 8	IC 480-445539/10	V313041.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	0.5639	0.5488 0.5542	0.5643 0.5724	0.5666	0.5725	Ave		0.5633			0.0100	1.6		20.0			
N-Nitrosodimethylamine	0.7915	0.7051 0.7743	0.7775 0.7888	0.7733	0.7752	Ave		0.7694			0.0100	3.8		20.0			
Pyridine	1.1742	1.1207 1.1718	1.1677 1.1993	1.1648	1.1652	Ave		1.1663			0.0100	2.0		20.0			
Benzaldehyde	0.8407	1.1621 +++++	1.1823 +++++	1.0951	1.0506	Ave		1.0662			0.0100	12.8		20.0			
Phenol	1.6090	1.6570 1.5981	1.7327 1.5913	1.6495	1.6307	Ave		1.6383			0.8000	3.0		20.0			
Aniline	1.9992	1.8408 1.9376	2.0406 1.9548	2.0141	2.0359	Ave		1.9747			0.0100	3.6		20.0			
Bis(2-chloroethyl)ether	1.2948	1.2572 1.2793	1.3268 1.2781	1.3154	1.3026	Ave		1.2934			0.7000	1.8		20.0			
2-Chlorophenol	1.4166	1.3236 1.4173	1.4336 1.4225	1.4309	1.4364	Ave		1.4116			0.8000	2.8		20.0			
n-Decane	1.7085	1.5868 1.6578	1.8651 1.6389	1.7993	1.7289	Ave		1.7122			0.0100	5.6		20.0			
1,3-Dichlorobenzene	1.4964	1.5542 1.4727	1.6160 1.4804	1.5362	1.5232	Ave		1.5256			0.0100	3.3		20.0			
1,4-Dichlorobenzene	1.5217	1.5677 1.4889	1.6318 1.4997	1.5911	1.5490	Ave		1.5500			0.0100	3.3		20.0			
Benzyl alcohol	0.9198	0.8357 0.9079	0.9162 0.9282	0.8452	0.8888	Ave		0.8917			0.0100	4.2		20.0			
1,2-Dichlorobenzene	1.4348	1.4131 1.4135	1.5757 1.4264	1.4419	1.4680	Ave		1.4533			0.0100	3.9		20.0			
2-Methylphenol	1.2234	1.1767 1.2189	1.1745 1.2334	1.1792	1.2276	Ave		1.2048			0.7000	2.2		20.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1 Analy Batch No.: 445539

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/14/2018 15:29 Calibration End Date: 11/14/2018 18:42 Calibration ID: 35378

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								
bis (2-chloroisopropyl) ether	2.2436	2.2719 2.1783	2.4556 2.1651	2.2542	2.2426	Ave		2.2588			0.0100	4.2		20.0			
Indene	0.4295	0.6561 +++++	0.6348 +++++	0.6547	0.5402	Ave		0.5831			0.0100	16.8		20.0			
4-Methylphenol	1.2851	1.1288 1.2679	1.2902 1.2809	1.2542	1.2885	Ave		1.2565			0.6000	4.6		20.0			
N-Nitrosodi-n-propylamine	0.9400	0.8619 0.9381	0.9100 0.9568	0.8803	0.9061	Ave		0.9133			0.5000	3.7		20.0			
Acetophenone	1.7763	1.7789 1.7560	1.8706 1.7260	1.7623	1.7820	Ave		1.7789			0.0100	2.5		20.0			
Hexachloroethane	0.6032	0.5608 0.6066	0.5840 0.6094	0.5854	0.5864	Ave		0.5908			0.3000	2.9		20.0			
Nitrobenzene	0.3665	0.3534 0.3605	0.3361 0.3569	0.3724	0.3627	Ave		0.3584			0.2000	3.2		20.0			
Isophorone	0.6239	0.6332 0.6095	0.6247 0.5909	0.6348	0.6478	Ave		0.6235			0.4000	3.0		20.0			
2-Nitrophenol	0.2081	0.1840 0.2015	0.1644 0.2054	0.2027	0.1987	Lin2	-0.073	0.2022			0.1000	6.0			0.9960		0.9900
2,4-Dimethylphenol	0.3599	0.3703 0.3490	0.3516 0.3487	0.3637	0.3521	Ave		0.3565			0.2000	2.3		20.0			
Benzoic acid	0.2882	0.1596 0.2930	0.1854 0.3026	0.2331	0.2644	Lin2	-1.034	0.2809			0.0100	8.6			0.9920		0.9900
Bis(2-chloroethoxy)methane	0.4028	0.3941 0.3937	0.4062 0.3900	0.4142	0.4001	Ave		0.4001			0.3000	2.1		20.0			
2,4-Dichlorophenol	0.3053	0.2959 0.2965	0.2922 0.3028	0.2969	0.3032	Ave		0.2990			0.2000	1.6		20.0			
1,2,4-Trichlorobenzene	0.3175	0.3250 0.3074	0.3112 0.3099	0.3235	0.3105	Ave		0.3150			0.0100	2.2		20.0			
Naphthalene	1.1621 0.8876	1.0374 0.8452	1.0582 0.7504	1.0530	0.9891	Ave		0.9729			0.7000	13.8		20.0			
4-Chloroaniline	0.4462	0.4038 0.4320	0.4063 0.4266	0.4321	0.4436	Ave		0.4272			0.0100	3.9		20.0			
2,6-Dichlorophenol	0.2961	0.3102 0.2947	0.2995 0.2957	0.3023	0.2985	Ave		0.2996			0.0100	1.8		20.0			
Hexachlorobutadiene	0.1673	0.1546 0.1620	0.1553 0.1684	0.1700	0.1623	Ave		0.1628			0.0100	3.8		20.0			
Caprolactam	0.1162	0.0843 0.1167	0.0930 0.1217	0.1029	0.1109	Lin2	-0.085	0.1150			0.0100	5.0			0.9970		0.9900
4-Chloro-3-methylphenol	0.2996	0.2698 0.3022	0.2853 0.3043	0.2927	0.3021	Ave		0.2937			0.2000	4.2		20.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1 Analy Batch No.: 445539

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/14/2018 15:29 Calibration End Date: 11/14/2018 18:42 Calibration ID: 35378

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-Methylnaphthalene	0.6507 0.6489	0.6865 0.6292	0.7209 0.5932	0.6813	0.6704	Ave		0.6601			0.4000	5.9		20.0			
1-Methylnaphthalene	0.6078 0.6088	0.6338 0.5921	0.6554 0.5545	0.6279	0.6306	Ave		0.6139			0.0100	5.0		20.0			
Hexachlorocyclopentadiene	 0.4057	0.3532 0.4066	0.3357 0.4119	0.4021	0.3878	Ave		0.3861			0.0500	7.7		20.0			
1,2,4,5-Tetrachlorobenzene	 0.5632	0.5987 0.5587	0.5519 0.5607	0.5992	0.5504	Ave		0.5690			0.0100	3.7		20.0			
2,4,6-Trichlorophenol	 0.4116	0.3667 0.4177	0.3531 0.4109	0.4059	0.4008	Ave		0.3953			0.2000	6.3		20.0			
2,4,5-Trichlorophenol	 0.4410	0.3371 0.4335	0.3737 0.4432	0.4218	0.4334	Lin2	-0.269	0.4387			0.2000	1.6			1.0000		0.9900
Biphenyl	 1.4108	1.6210 1.3666	1.5454 1.2406	1.5977	1.5194	Lin2	0.5883	1.4131			0.0100	8.2			0.9930		0.9900
2-Chloronaphthalene	 1.1960	1.3027 1.1682	1.3036 1.0967	1.3138	1.2621	Ave		1.2347			0.8000	6.7		20.0			
2-Nitroaniline	 0.3916	0.3303 0.3919	0.3435 0.3999	0.3621	0.3873	Lin2	-0.166	0.3889			0.0100	3.1			0.9990		0.9900
Dimethyl phthalate	 1.2995	1.3645 1.2588	1.3446 1.1707	1.3952	1.3907	Ave		1.3177			0.0100	6.2		20.0			
1,3-Dinitrobenzene	 0.1331	0.0850 0.1322	0.1026 0.1345	0.1103	0.1217	Lin2	-0.116	0.1286			0.0100	5.9			0.9960		0.9900
2,6-Dinitrotoluene	 0.3468	0.3202 0.3514	0.3142 0.3498	0.3290	0.3378	Ave		0.3356			0.2000	4.4		20.0			
Acenaphthylene	1.7943 1.6309	1.9883 1.5642	1.8032 1.3909	1.8957	1.8226	Ave		1.7363			0.9000	11.2		20.0			
3-Nitroaniline	 0.3841	0.3407 0.3837	0.3152 0.3824	0.3563	0.3788	Lin2	-0.134	0.3764			0.0100	5.2			0.9970		0.9900
Acenaphthene	1.2499 1.1027	1.1919 1.0898	1.2038 1.0344	1.2132	1.1807	Ave		1.1583			0.9000	6.4		20.0			
2,4-Dinitrophenol	 0.2103	0.1060 0.2097	0.1440 0.2213	0.1652	0.1930	Lin1	-0.725	0.2146			0.0100	10.6			0.9970		0.9900
4-Nitrophenol	 0.2150	0.1427 0.2210	0.1716 0.2203	0.1949	0.2054	Lin2	-0.379	0.2147			0.0100	3.6			0.9990		0.9900
2,4-Dinitrotoluene	 0.4658	0.3982 0.4665	0.3882 0.4653	0.4191	0.4478	Lin2	-0.182	0.4540			0.2000	4.8			0.9980		0.9900
Dibenzofuran	 1.5358	1.8844 1.4652	1.8602 1.3200	1.7742	1.7198	Ave		1.6514			0.8000	13.0		20.0			
2,3,4,6-Tetrachlorophenol	 0.3239	0.2831 0.3277	0.2736 0.3363	0.2998	0.3120	Lin2	-0.124	0.3205			0.0100	4.9			0.9970		0.9900

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1 Analy Batch No.: 445539

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/14/2018 15:29 Calibration End Date: 11/14/2018 18:42 Calibration ID: 35378

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								
Diethyl phthalate	1.2615	1.4173 1.2309	1.2891 1.1460	1.3350	1.3364	Ave		1.2880			0.0100	6.8		20.0			
Hexadecane	0.9862	0.9897 0.9566	1.0146 0.9066	1.0307	1.0138	Ave		0.9854			0.0100	4.3		20.0			
4-Chlorophenyl phenyl ether	0.6550	0.6786 0.6453	0.6119 0.6405	0.6641	0.6493	Ave		0.6492			0.4000	3.2		20.0			
4-Nitroaniline	0.4177	0.3761 0.4067	0.3516 0.4161	0.3880	0.4040	Lin2	-0.115	0.4058			0.0100	4.5			0.9980		0.9900
Fluorene	1.3315 1.2957	1.5367 1.2732	1.3867 1.1757	1.3892	1.4131	Ave		1.3502			0.9000	8.0		20.0			
4,6-Dinitro-2-methylphenol	0.1483	0.0868 0.1439	0.1078 0.1507	0.1270	0.1372	Lin1	-0.385	0.1480			0.0100	6.5			0.9990		0.9900
Diphenylamine	0.6898	0.6934 0.6709	0.6981 0.6539	0.7406	0.7190	Ave		0.6951			0.0100	4.1		20.0			
N-Nitrosodiphenylamine	0.5898	0.5929 0.5736	0.5969 0.5591	0.6332	0.6147	Ave		0.5943			0.0100	4.1		20.0			
1,2-Diphenylhydrazine	1.2625	1.4172 1.2214	1.3266 1.1202	1.3737	1.3432	Lin2	0.4337	1.2518			0.0100	6.8			0.9950		0.9900
trans-Azobenzene	0.7411	0.8322 0.7054	0.7822 0.6591	0.8431	0.7950	Lin2	0.2471	0.7408			0.0100	8.3			0.9930		0.9900
4-Bromophenyl phenyl ether	0.2133	0.2161 0.2095	0.1988 0.2159	0.2207	0.2123	Ave		0.2124			0.1000	3.3		20.0			
Hexachlorobenzene	0.2184	0.2397 0.2115	0.2069 0.2176	0.2233	0.2181	Ave		0.2194			0.1000	4.8		20.0			
Atrazine	0.3792	0.3453 0.3787	0.3495 0.3737	0.3719	0.3740	Ave		0.3675			0.0100	3.8		20.0			
Pentachlorophenol	0.1144	0.0919 0.1119	0.0972 0.1181	0.1215	0.1163	Lin2	-0.136	0.1170			0.0500	4.4			0.9980		0.9900
n-Octadecane	0.5803	0.5709 0.5543	0.5634 0.5355	0.6276	0.5939	Ave		0.5751			0.0100	5.2		20.0			
Phenanthrene	1.2209 0.9549	1.1937 0.9003	1.2152 0.8150	1.1868	1.1108	Ave		1.0747			0.7000	15.0		20.0			
Anthracene	1.1352 0.9794	1.2153 0.9238	1.1784 0.8177	1.2228	1.1544	Ave		1.0784			0.7000	14.0		20.0			
Carbazole	0.9390	1.1081 0.8806	1.0841 0.7975	1.1293	1.0822	Ave		1.0030			0.0100	12.9		20.0			
Di-n-butyl phthalate	1.0373	1.3102 0.9640	1.2524 0.8419	1.3159	1.2366	Ave		1.1369			0.0100	16.5		20.0			
Fluoranthene	1.1420 1.0190	1.2649 0.9536	1.2163 0.8530	1.2507	1.1699	Ave		1.1087			0.6000	13.6		20.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1 Analy Batch No.: 445539

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/14/2018 15:29 Calibration End Date: 11/14/2018 18:42 Calibration ID: 35378

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								
Benzidine	0.6699	0.7485 +++++	0.7866 +++++	0.8417	0.8054	Ave		0.7704			0.0100	8.5		20.0			
Pyrene	1.4436 1.1079	1.4281 1.0416	1.3239 0.9211	1.3757	1.2815	Ave		1.2404			0.6000	15.6		20.0			
Butyl benzyl phthalate	0.6472	0.5998 0.6310	0.6080 0.5934	0.6240	0.6429	Lin2	-0.076	0.6285			0.0100	3.1			0.9990		0.9900
Bis(2-ethylhexyl) phthalate	0.8555	0.8263 0.8097	0.8285 0.7490	0.8694	0.8864	Lin2	-0.004	0.8325			0.0100	6.0			0.9960		0.9900
3,3'-Dichlorobenzidine	0.4609	0.4300 0.4294	0.4268 0.4273	0.4560	0.4694	Lin2	-0.053	0.4481			0.0100	4.1			0.9980		0.9900
Benzo(a)anthracene	1.4313 1.1099	1.3464 1.0543	1.3252 0.9686	1.2811	1.2435	Ave		1.2200			0.8000	13.1		20.0			
Chrysene	1.3154 1.0421	1.3566 0.9785	1.2792 0.8896	1.2146	1.1764	Ave		1.1566			0.7000	14.6		20.0			
Di-n-octyl phthalate	1.3468	1.4657 1.2505	1.4177 1.1422	1.5312	1.5015	Ave		1.3794			0.0100	10.3		20.0			
Benzo(b)fluoranthene	1.1402 1.1258	1.2298 1.0607	1.2653 1.0528	1.1866	1.2638	Ave		1.1656			0.7000	7.3		20.0			
Benzo(k)fluoranthene	1.0829 1.1848	1.3423 1.1653	1.1885 1.0516	1.3240	1.2088	Ave		1.1935			0.7000	8.5		20.0			
Benzo(a)pyrene	1.1740 1.1014	1.1594 1.0712	1.0916 1.0310	1.1556	1.1610	Ave		1.1182			0.7000	4.6		20.0			
Dibenz(a,h)anthracene	1.0608 1.1053	1.1374 1.1082	1.0977 1.1207	1.1185	1.1244	Ave		1.1091			0.4000	2.1		20.0			
Indeno(1,2,3-cd)pyrene	1.1384 1.3155	1.3352 1.3172	1.2628 1.3366	1.3233	1.3407	Ave		1.2962			0.5000	5.3		20.0			
Benzo(g,h,i)perylene	1.0066 1.1263	1.1550 1.1482	1.0997 1.1860	1.1319	1.1521	Ave		1.1257			0.5000	4.8		20.0			
2-Fluorophenol	1.4743	1.4475 1.4563	1.3302 1.4928	1.5216	1.3942	Ave		1.4453			0.0100	4.5		20.0			
Phenol-d5	1.7273	1.6413 1.7233	1.6271 1.7279	1.7585	1.6380	Ave		1.6919			0.0100	3.2		20.0			
Nitrobenzene-d5	0.4085	0.3792 0.3995	0.3583 0.3998	0.4165	0.3835	Ave		0.3922			0.0100	5.1		20.0			
2-Fluorobiphenyl	1.4266	1.6550 1.3884	1.4303 1.2668	1.6453	1.4248	Ave		1.4624			0.0100	9.6		20.0			
2,4,6-Tribromophenol	0.1165	0.0939 0.1095	0.0938 0.1154	0.1115	0.1023	Ave		0.1061			0.0100	9.0		20.0			
p-Terphenyl-d14	0.8395	0.9531 0.8018	0.9000 0.7383	0.9392	0.8492	Ave		0.8601			0.0100	8.9		20.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1 Analy Batch No.: 445539

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/14/2018 15:29 Calibration End Date: 11/14/2018 18:42 Calibration ID: 35378

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-445539/3	V313034.D
Level 2	IC 480-445539/4	V313035.D
Level 3	IC 480-445539/5	V313036.D
Level 4	IC 480-445539/6	V313037.D
Level 5	ICIS 480-445539/7	V313038.D
Level 6	IC 480-445539/8	V313039.D
Level 7	IC 480-445539/9	V313040.D
Level 8	IC 480-445539/10	V313041.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dioxane	DCBd 4	Ave	329985	8746 368257	15725 507876	84051	170239	80.0	2.50 120	5.00 160	20.0	50.0
N-Nitrosodimethylamine	DCBd 4	Ave	463180	11237 514538	21664 699952	114704	230507	80.0	2.50 120	5.00 160	20.0	50.0
Pyridine	DCBd 4	Ave	1374304	35719 1557357	65075 2128284	345563	692950	160	5.00 240	10.0 320	40.0	100
Benzaldehyde	DCBd 4	Ave	491952	18520 +++++	32945 +++++	162444	312376	80.0	2.50 +++++	5.00 +++++	20.0	50.0
Phenol	DCBd 4	Ave	941568	26407 1061975	48281 1411969	244686	484858	80.0	2.50 120	5.00 160	20.0	50.0
Aniline	DCBd 4	Ave	1169914	29336 1287546	56859 1734531	298756	605353	80.0	2.50 120	5.00 160	20.0	50.0
Bis(2-chloroethyl)ether	DCBd 4	Ave	757689	20035 850094	36970 1134045	195118	387301	80.0	2.50 120	5.00 160	20.0	50.0
2-Chlorophenol	DCBd 4	Ave	828982	21094 941788	39946 1262191	212257	427100	80.0	2.50 120	5.00 160	20.0	50.0
n-Decane	DCBd 4	Ave	999808	25289 1101639	51969 1454173	266904	514073	80.0	2.50 120	5.00 160	20.0	50.0
1,3-Dichlorobenzene	DCBd 4	Ave	875670	24768 978626	45029 1313546	227866	452898	80.0	2.50 120	5.00 160	20.0	50.0
1,4-Dichlorobenzene	DCBd 4	Ave	890488	24984 989410	45469 1330708	236024	460590	80.0	2.50 120	5.00 160	20.0	50.0
Benzyl alcohol	DCBd 4	Ave	538242	13318 603303	25530 823567	125380	264269	80.0	2.50 120	5.00 160	20.0	50.0
1,2-Dichlorobenzene	DCBd 4	Ave	839635	22520 939276	43906 1265649	213879	436488	80.0	2.50 120	5.00 160	20.0	50.0
2-Methylphenol	DCBd 4	Ave	715931	18752 809954	32726 1094407	174910	365014	80.0	2.50 120	5.00 160	20.0	50.0
bis (2-chloroisopropyl) ether	DCBd 4	Ave	1312932	36207 1447528	68424 1921126	334381	666811	80.0	2.50 120	5.00 160	20.0	50.0

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RESPONSE AND CONCENTRATION

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SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/14/2018 15:29 Calibration End Date: 11/14/2018 18:42 Calibration ID: 35378

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Indene	NPT	Ave	2807789	112769 +++++	200566 +++++	1036062	1779057	240	7.50 +++++	15.0 +++++	60.0	150
4-Methylphenol	DCBd 4	Ave	752005	17989 842532	35951 1136544	186040	383111	80.0	2.50 120	5.00 160	20.0	50.0
N-Nitrosodi-n-propylamine	DCBd 4	Ave	550077	13736 623389	25356 848951	130584	269406	80.0	2.50 120	5.00 160	20.0	50.0
Acetophenone	DCBd 4	Ave	1039480	28350 1166856	52124 1531541	261407	529858	80.0	2.50 120	5.00 160	20.0	50.0
Hexachloroethane	DCBd 4	Ave	352961	8938 403119	16272 540748	86830	174350	80.0	2.50 120	5.00 160	20.0	50.0
Nitrobenzene	NPT	Ave	798572	20245 898729	35394 1196895	196452	398174	80.0	2.50 120	5.00 160	20.0	50.0
Isophorone	NPT	Ave	1359515	36276 1519192	65794 1981871	334825	711118	80.0	2.50 120	5.00 160	20.0	50.0
2-Nitrophenol	NPT	Lin2	453543	10543 502175	17313 688967	106926	218169	80.0	2.50 120	5.00 160	20.0	50.0
2,4-Dimethylphenol	NPT	Ave	784248	21214 870063	37033 1169526	191851	386548	80.0	2.50 120	5.00 160	20.0	50.0
Benzoic acid	NPT	Lin2	1884060	27438 2191427	58576 3044341	368841	870716	240	7.50 360	15.0 480	60.0	150
Bis(2-chloroethoxy)methane	NPT	Ave	877788	22575 981416	42775 1307958	218462	439206	80.0	2.50 120	5.00 160	20.0	50.0
2,4-Dichlorophenol	NPT	Ave	665248	16950 739200	30772 1015576	156629	332809	80.0	2.50 120	5.00 160	20.0	50.0
1,2,4-Trichlorobenzene	NPT	Ave	691898	18619 766200	32775 1039218	170643	340852	80.0	2.50 120	5.00 160	20.0	50.0
Naphthalene	NPT	Ave	15890 1934120	59433 2106774	111448 2516592	555449	1085865	0.500 80.0	2.50 120	5.00 160	20.0	50.0
4-Chloroaniline	NPT	Ave	972366	23133 1076953	42792 1430903	227910	487020	80.0	2.50 120	5.00 160	20.0	50.0
2,6-Dichlorophenol	NPT	Ave	645160	17771 734518	31539 991882	159450	327733	80.0	2.50 120	5.00 160	20.0	50.0
Hexachlorobutadiene	NPT	Ave	364460	8857 403893	16357 564645	89680	178197	80.0	2.50 120	5.00 160	20.0	50.0
Caprolactam	NPT	Lin2	253140	4832 290775	9793 408063	54259	121799	80.0	2.50 120	5.00 160	20.0	50.0
4-Chloro-3-methylphenol	NPT	Ave	652948	15457 753230	30041 1020407	154373	331695	80.0	2.50 120	5.00 160	20.0	50.0
2-Methylnaphthalene	NPT	Ave	8897 1414102	39327 1568512	75916 1989558	359358	735941	0.500 80.0	2.50 120	5.00 160	20.0	50.0
1-Methylnaphthalene	NPT	Ave	8311 1326551	36309 1476027	69020 1859789	331188	692229	0.500 80.0	2.50 120	5.00 160	20.0	50.0

FORM VI
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RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1 Analy Batch No.: 445539

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/14/2018 15:29 Calibration End Date: 11/14/2018 18:42 Calibration ID: 35378

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Hexachlorocyclopentadiene	ANT	Ave	450681	10140 511377	18314 700190	103251	212473	80.0	2.50 120	5.00 160	20.0	50.0
1,2,4,5-Tetrachlorobenzene	ANT	Ave	625690	17188 702698	30111 953304	153869	301559	80.0	2.50 120	5.00 160	20.0	50.0
2,4,6-Trichlorophenol	ANT	Ave	457326	10528 525388	19268 698585	104234	219585	80.0	2.50 120	5.00 160	20.0	50.0
2,4,5-Trichlorophenol	ANT	Lin2	489899	9677 545283	20390 753541	108297	237418	80.0	2.50 120	5.00 160	20.0	50.0
Biphenyl	ANT	Lin2	1567381	46539 1718870	84318 2109107	410241	832405	80.0	2.50 120	5.00 160	20.0	50.0
2-Chloronaphthalene	ANT	Ave	1328734	37401 1469367	71123 1864491	337339	691428	80.0	2.50 120	5.00 160	20.0	50.0
2-Nitroaniline	ANT	Lin2	435081	9484 492990	18744 679930	92973	212170	80.0	2.50 120	5.00 160	20.0	50.0
Dimethyl phthalate	ANT	Ave	1443752	39175 1583375	73362 1990201	358250	761881	80.0	2.50 120	5.00 160	20.0	50.0
1,3-Dinitrobenzene	NPT	Lin2	289987	4870 329460	10801 451005	58182	133573	80.0	2.50 120	5.00 160	20.0	50.0
2,6-Dinitrotoluene	ANT	Ave	385285	9194 442054	17144 594742	84473	185041	80.0	2.50 120	5.00 160	20.0	50.0
Acenaphthylene	ANT	Ave	11413 1811917	57084 1967425	98383 2364726	486758	998488	0.500 80.0	2.50 120	5.00 160	20.0	50.0
3-Nitroaniline	ANT	Lin2	426720	9782 482607	17198 650195	91481	207509	80.0	2.50 120	5.00 160	20.0	50.0
Acenaphthene	ANT	Ave	7950 1225061	34218 1370767	65679 1758500	311528	646813	0.500 80.0	2.50 120	5.00 160	20.0	50.0
2,4-Dinitrophenol	ANT	Lin1	467363	6084 527568	15715 752618	84856	211497	160	5.00 240	10.0 320	40.0	100
4-Nitrophenol	ANT	Lin2	477740	8193 556041	18722 749009	100111	225034	160	5.00 240	10.0 320	40.0	100
2,4-Dinitrotoluene	ANT	Lin2	517541	11431 586786	21183 790968	107613	245340	80.0	2.50 120	5.00 160	20.0	50.0
Dibenzofuran	ANT	Ave	1706215	54099 1842920	101496 2244021	455576	942180	80.0	2.50 120	5.00 160	20.0	50.0
2,3,4,6-Tetrachlorophenol	ANT	Lin2	359810	8129 412242	14930 571723	76986	170900	80.0	2.50 120	5.00 160	20.0	50.0
Diethyl phthalate	ANT	Ave	1401530	40691 1548244	70333 1948219	342799	732122	80.0	2.50 120	5.00 160	20.0	50.0
Hexadecane	ANT	Ave	1095641	28415 1203171	55360 1541219	264643	555392	80.0	2.50 120	5.00 160	20.0	50.0
4-Chlorophenyl phenyl ether	ANT	Ave	727669	19481 811692	33385 1088868	170525	355703	80.0	2.50 120	5.00 160	20.0	50.0

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Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/14/2018 15:29 Calibration End Date: 11/14/2018 18:42 Calibration ID: 35378

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
4-Nitroaniline	ANT	Lin2	464005	10798 511577	19184 707344	99637	221342	80.0	2.50 120	5.00 160	20.0	50.0
Fluorene	ANT	Ave	8469 1439477	44117 1601414	75659 1998772	356720	774147	0.500 80.0	2.50 120	5.00 160	20.0	50.0
4,6-Dinitro-2-methylphenol	PHN	Lin1	561346	8491 626712	19943 870570	106246	254000	160	5.00 240	10.0 320	40.0	100
Diphenylamine	PHN	Ave	1116222	28987 1249357	55235 1615480	264930	569023	68.4	2.14 103	4.28 137	17.1	42.8
N-Nitrosodiphenylamine	PHN	Ave	1116222	28987 1249357	55235 1615480	264930	569023	80.0	2.50 120	5.00 160	20.0	50.0
1,2-Diphenylhydrazine	ANT	Lin2	1402582	40687 1536323	72382 1904442	352724	735881	80.0	2.50 120	5.00 160	20.0	50.0
trans-Azobenzene	PHN	Lin2	1402583	40687 1536323	72382 1904442	352724	735881	80.0	2.50 120	5.00 160	20.0	50.0
4-Bromophenyl phenyl ether	PHN	Ave	403626	10566 456295	18396 623730	92318	196475	80.0	2.50 120	5.00 160	20.0	50.0
Hexachlorobenzene	PHN	Ave	413283	11722 460696	19143 628605	93412	201927	80.0	2.50 120	5.00 160	20.0	50.0
Atrazine	ANT	Ave	421316	9912 476380	19068 635348	95484	204903	80.0	2.50 120	5.00 160	20.0	50.0
Pentachlorophenol	PHN	Lin2	432829	8985 487215	17985 682647	101701	215339	160	5.00 240	10.0 320	40.0	100
n-Octadecane	PHN	Ave	1098258	27911 1207248	52132 1547150	262591	549792	80.0	2.50 120	5.00 160	20.0	50.0
Phenanthrene	PHN	Ave	12680 1807148	58364 1960936	112449 2354803	496524	1028242	0.500 80.0	2.50 120	5.00 160	20.0	50.0
Anthracene	PHN	Ave	11790 1853423	59422 2011917	109051 2362593	511597	1068617	0.500 80.0	2.50 120	5.00 160	20.0	50.0
Carbazole	PHN	Ave	1777009	54181 1917962	100318 2304201	472477	1001721	80.0	2.50 120	5.00 160	20.0	50.0
Di-n-butyl phthalate	PHN	Ave	1963084	64061 2099490	115891 2432595	550540	1144649	80.0	2.50 120	5.00 160	20.0	50.0
Fluoranthene	PHN	Ave	11861 1928513	61845 2076995	112553 2464536	523273	1082961	0.500 80.0	2.50 120	5.00 160	20.0	50.0
Benzidine	CRY	Ave	1210735	34660 +++++	70272 +++++	336880	713469	80.0	2.50 +++++	5.00 +++++	20.0	50.0
Pyrene	CRY	Ave	13521 2002173	66131 2162250	118266 2523759	550608	1135298	0.500 80.0	2.50 120	5.00 160	20.0	50.0
Butyl benzyl phthalate	CRY	Lin2	1169566	27773 1309954	54317 1625898	249730	569568	80.0	2.50 120	5.00 160	20.0	50.0
Bis(2-ethylhexyl) phthalate	CRY	Lin2	1546113	38261 1680989	74010 2052216	347969	785274	80.0	2.50 120	5.00 160	20.0	50.0

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			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
3,3'-Dichlorobenzidine	CRY	Lin2	832876	19912 891346	38124 1170654	182503	415870	80.0	2.50 120	5.00 160	20.0	50.0
Benzo(a)anthracene	CRY	Ave	13406 2005934	62348 2188624	118383 2653985	512725	1101567	0.500 80.0	2.50 120	5.00 160	20.0	50.0
Chrysene	CRY	Ave	12320 1883357	62819 2031410	114271 2437461	486114	1042192	0.500 80.0	2.50 120	5.00 160	20.0	50.0
Di-n-octyl phthalate	CRY	Ave	2434081	67870 2595974	126644 3129582	612852	1330165	80.0	2.50 120	5.00 160	20.0	50.0
Benzo(b)fluoranthene	PRY	Ave	10554 2118697	55697 2299967	114070 3010041	474582	1130325	0.500 80.0	2.50 120	5.00 160	20.0	50.0
Benzo(k)fluoranthene	PRY	Ave	10024 2229636	60791 2526833	107153 3006538	529532	1081080	0.500 80.0	2.50 120	5.00 160	20.0	50.0
Benzo(a)pyrene	PRY	Ave	10867 2072714	52510 2322797	98417 2947719	462212	1038390	0.500 80.0	2.50 120	5.00 160	20.0	50.0
Dibenz(a,h)anthracene	PRY	Ave	9819 2080104	51514 2403099	98967 3204251	447350	1005594	0.500 80.0	2.50 120	5.00 160	20.0	50.0
Indeno(1,2,3-cd)pyrene	PRY	Ave	10537 2475598	60470 2856186	113843 3821313	529256	1199058	0.500 80.0	2.50 120	5.00 160	20.0	50.0
Benzo(g,h,i)perylene	PRY	Ave	9317 2119683	52310 2489739	99147 3390941	452718	1030405	0.500 80.0	2.50 120	5.00 160	20.0	50.0
2-Fluorophenol	DCBd 4	Ave	862757	23069 967758	37065 1324572	225705	414551	80.0	2.50 120	5.00 160	20.0	50.0
Phenol-d5	DCBd 4	Ave	1010770	26156 1145178	45339 1533151	260854	487046	80.0	2.50 120	5.00 160	20.0	50.0
Nitrobenzene-d5	NPT	Ave	890208	21723 995732	37736 1340940	219711	420995	80.0	2.50 120	5.00 160	20.0	50.0
2-Fluorobiphenyl	ANT	Ave	1584895	47513 1746349	78041 2153664	422465	780547	80.0	2.50 120	5.00 160	20.0	50.0
2,4,6-Tribromophenol	PHN	Ave	220491	4593 238441	8681 333329	46652	94655	80.0	2.50 120	5.00 160	20.0	50.0
p-Terphenyl-d14	CRY	Ave	1517225	44133 1664422	80397 2022797	375889	752263	80.0	2.50 120	5.00 160	20.0	50.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313034.D
Lims ID: IC - LIST1 0.5
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 14-Nov-2018 15:29:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0076436-003
Operator ID: MKP Instrument ID: HP5973V
Sublist: chrom-V-8270*sub63

Method: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 15-Nov-2018 13:08:31 Calib Date: 14-Nov-2018 18:42:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313041.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0304

First Level Reviewer: pagem Date: 14-Nov-2018 16:11:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.838	6.838	0.000	96	308733	40.0	40.0	
* 2 Naphthalene-d8	136	8.355	8.355	0.000	100	1093846	40.0	40.0	
* 3 Acenaphthene-d10	164	10.412	10.417	-0.005	95	508843	40.0	40.0	
* 4 Phenanthrene-d10	188	11.924	11.924	0.000	98	830859	40.0	40.0	
* 5 Chrysene-d12	240	14.317	14.317	0.000	99	749298	40.0	40.0	
* 6 Perylene-d12	264	15.893	15.888	0.005	97	740499	40.0	40.0	
118 Naphthalene	128	8.382	8.382	0.000	93	15890	0.5000	0.5973	
131 2-Methylnaphthalene	142	9.199	9.199	0.000	94	8897	0.5000	0.4929	
251 1-Methylnaphthalene	142	9.317	9.322	-0.005	89	8311	0.5000	0.4951	
150 Acenaphthylene	152	10.257	10.262	-0.005	97	11413	0.5000	0.5167	
152 Acenaphthene	153	10.449	10.449	0.000	92	7950	0.5000	0.5395	
162 Fluorene	166	10.994	10.994	0.000	96	8469	0.5000	0.4931	
188 Phenanthrene	178	11.945	11.945	0.000	94	12680	0.5000	0.5680	
189 Anthracene	178	11.993	11.993	0.000	97	11790	0.5000	0.5264	
201 Fluoranthene	202	13.030	13.035	-0.005	95	11861	0.5000	0.5150	
204 Pyrene	202	13.243	13.243	0.000	98	13521	0.5000	0.5819	
217 Benzo[a]anthracene	228	14.306	14.306	0.000	96	13406	0.5000	0.5866	
218 Chrysene	228	14.339	14.338	0.000	97	12320	0.5000	0.5687	
221 Benzo[b]fluoranthene	252	15.412	15.412	0.000	96	10554	0.5000	0.4891	
222 Benzo[k]fluoranthene	252	15.439	15.439	0.000	92	10024	0.5000	0.4537	
225 Benzo[a]pyrene	252	15.824	15.818	0.006	78	10867	0.5000	0.5250	
228 Dibenz(a,h)anthracene	278	17.474	17.469	0.005	73	9819	0.5000	0.4782	
227 Indeno[1,2,3-cd]pyrene	276	17.469	17.474	-0.005	90	10537	0.5000	0.4391	
229 Benzo[g,h,i]perylene	276	17.966	17.971	-0.005	31	9317	0.5000	0.4471	a

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

MB_LIST1_WRK_00655	Amount Added:	1.00	Units: mL	
MB_INTSTD_STK_00055	Amount Added:	20.00	Units: uL	Run Reagent

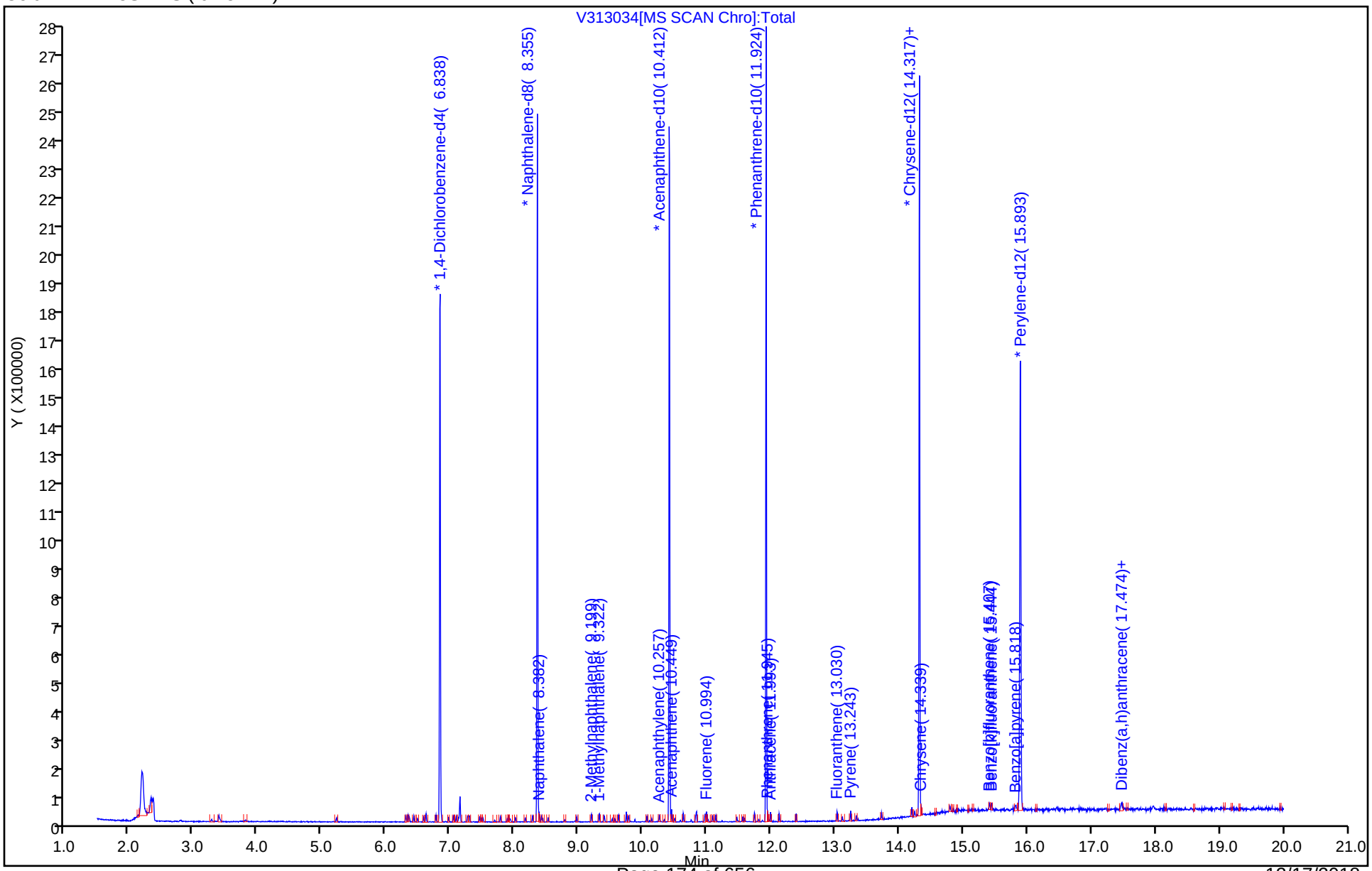
Report Date: 15-Nov-2018 13:08:32 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313034.D

Injection Date:	14-Nov-2018 15:29:30	Instrument ID:	HP5973V	Operator ID:	MKP
Lims ID:	IC - LIST1 0.5			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	V-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

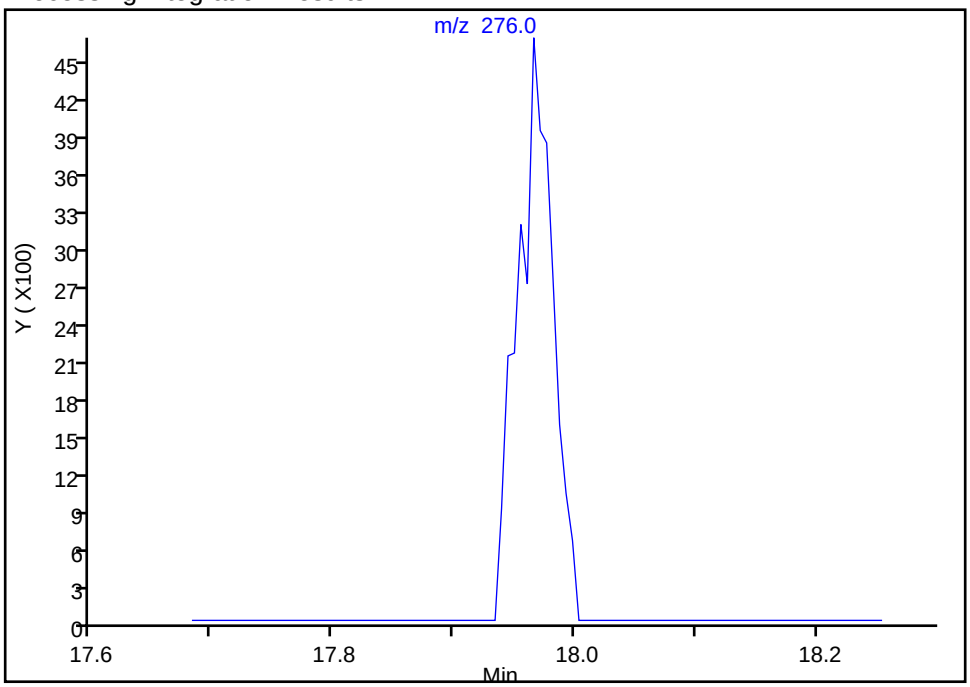
Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313034.D
Injection Date: 14-Nov-2018 15:29:30 Instrument ID: HP5973V
Lims ID: IC - LIST1 0.5
Client ID:
Operator ID: MKP ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: V-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

229 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

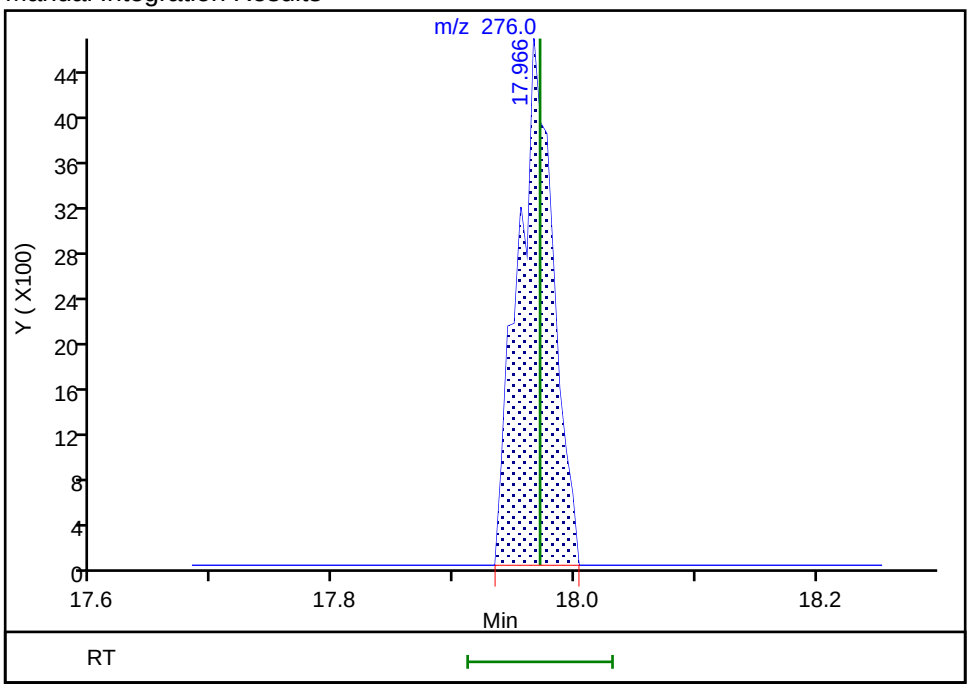
Not Detected
Expected RT: 17.97

Processing Integration Results



Manual Integration Results

RT: 17.97
Area: 9317
Amount: 0.447068
Amount Units: ng/uL



Reviewer: pagem, 14-Nov-2018 16:11:08
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313035.D
Lims ID: IC - LIST1 2.5
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 14-Nov-2018 15:57:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0076436-004
Operator ID: MKP Instrument ID: HP5973V
Sublist: chrom-V-8270*sub63

Method: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 15-Nov-2018 13:08:26 Calib Date: 14-Nov-2018 18:42:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313041.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0304

First Level Reviewer: quirkp Date: 15-Nov-2018 12:02:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.838	6.838	0.000	96	254986	40.0	40.0	
* 2 Naphthalene-d8	136	8.355	8.355	0.000	100	916634	40.0	40.0	
* 3 Acenaphthene-d10	164	10.412	10.417	-0.005	95	459351	40.0	40.0	
* 4 Phenanthrene-d10	188	11.924	11.924	0.000	97	782296	40.0	40.0	
* 5 Chrysene-d12	240	14.317	14.317	0.000	99	740897	40.0	40.0	
* 6 Perylene-d12	264	15.888	15.888	0.000	97	724639	40.0	40.0	
$ 7 2-Fluorophenol	112	5.225	5.225	0.001	91	23069	2.50	2.50	
$ 8 Phenol-d5	99	6.346	6.346	0.000	97	26156	2.50	2.43	
$ 9 Nitrobenzene-d5	82	7.479	7.484	-0.005	92	21723	2.50	2.42	
$ 10 2-Fluorobiphenyl	172	9.621	9.621	0.000	99	47513	2.50	2.83	
$ 11 2,4,6-Tribromophenol	330	11.235	11.240	-0.005	84	4593	2.50	2.21	
$ 12 p-Terphenyl-d14	244	13.334	13.334	0.000	98	44133	2.50	2.77	
68 1,4-Dioxane	88	2.789	2.788	0.000	91	8746	2.50	2.44	
69 N-Nitrosodimethylamine	42	3.269	3.269	0.000	93	11237	2.50	2.29	
70 Pyridine	52	3.376	3.365	0.011	85	35719	5.00	4.80	
80 Benzaldehyde	77	6.304	6.304	0.000	93	18520	2.50	2.72	
81 Phenol	94	6.357	6.362	-0.005	97	26407	2.50	2.53	
82 Aniline	93	6.427	6.427	0.001	95	29336	2.50	2.33	
83 Bis(2-chloroethyl)ether	93	6.485	6.485	0.000	96	20035	2.50	2.43	
84 2-Chlorophenol	128	6.581	6.581	0.000	96	21094	2.50	2.34	
263 n-Decane	57	6.619	6.619	0.000	94	25289	2.50	2.32	
87 1,3-Dichlorobenzene	146	6.774	6.774	0.000	98	24768	2.50	2.55	
88 1,4-Dichlorobenzene	146	6.854	6.859	-0.005	90	24984	2.50	2.53	a
90 Benzyl alcohol	108	6.966	6.971	-0.005	96	13318	2.50	2.34	
91 1,2-Dichlorobenzene	146	7.046	7.046	0.000	95	22520	2.50	2.43	
92 2-Methylphenol	108	7.089	7.089	0.000	93	18752	2.50	2.44	
93 2,2'-oxybis[1-chloropropan	45	7.132	7.132	0.000	95	36207	2.50	2.51	
248 Indene	115	7.148	7.148	0.000	90	112769	7.50	8.44	
96 4-Methylphenol	108	7.265	7.265	0.000	96	17989	2.50	2.25	
95 N-Nitrosodi-n-propylamine	70	7.281	7.281	0.000	94	13736	2.50	2.36	
94 Acetophenone	105	7.292	7.292	0.000	96	28350	2.50	2.50	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
99 Hexachloroethane	117	7.458	7.458	0.000	92	8938	2.50	2.37	
102 Nitrobenzene	77	7.506	7.506	0.000	91	20245	2.50	2.47	
106 Isophorone	82	7.778	7.778	0.000	98	36276	2.50	2.54	
107 2-Nitrophenol	139	7.890	7.885	0.005	84	10543	2.50	2.64	
108 2,4-Dimethylphenol	107	7.906	7.906	0.000	93	21214	2.50	2.60	
115 Benzoic acid	105	7.938	7.986	-0.048	89	27438	7.50	7.94	a
111 Bis(2-chloroethoxy)methane	93	8.013	8.013	0.000	98	22575	2.50	2.46	
114 2,4-Dichlorophenol	162	8.168	8.168	0.000	90	16950	2.50	2.47	
117 1,2,4-Trichlorobenzene	180	8.280	8.280	0.000	94	18619	2.50	2.58	
118 Naphthalene	128	8.382	8.382	0.000	96	59433	2.50	2.67	
119 4-Chloroaniline	127	8.419	8.419	0.000	93	23133	2.50	2.36	
122 2,6-Dichlorophenol	162	8.435	8.441	-0.006	95	17771	2.50	2.59	
121 Hexachlorobutadiene	225	8.526	8.526	0.000	93	8857	2.50	2.37	
124 Caprolactam	113	8.777	8.798	-0.021	73	4832	2.50	2.57	
129 4-Chloro-3-methylphenol	107	8.969	8.969	0.000	96	15457	2.50	2.30	
131 2-Methylnaphthalene	142	9.199	9.199	0.000	91	39327	2.50	2.60	
251 1-Methylnaphthalene	142	9.317	9.322	-0.005	93	36309	2.50	2.58	
134 Hexachlorocyclopentadiene	237	9.392	9.391	0.001	92	10140	2.50	2.29	
135 1,2,4,5-Tetrachlorobenzene	216	9.402	9.402	0.000	97	17188	2.50	2.63	
137 2,4,6-Trichlorophenol	196	9.520	9.525	-0.005	89	10528	2.50	2.32	
138 2,4,5-Trichlorophenol	196	9.568	9.568	0.000	90	9677	2.50	2.53	
140 1,1'-Biphenyl	154	9.744	9.744	0.000	93	46539	2.50	2.45	
141 2-Chloronaphthalene	162	9.781	9.781	0.000	95	37401	2.50	2.64	
143 2-Nitroaniline	65	9.878	9.878	0.000	82	9484	2.50	2.55	
146 Dimethyl phthalate	163	10.065	10.065	0.000	99	39175	2.50	2.59	
148 1,3-Dinitrobenzene	168	10.107	10.107	0.000	82	4870	2.50	2.55	
149 2,6-Dinitrotoluene	165	10.139	10.139	0.000	94	9194	2.50	2.39	
150 Acenaphthylene	152	10.257	10.262	-0.005	98	57084	2.50	2.86	
151 3-Nitroaniline	138	10.332	10.337	-0.005	95	9782	2.50	2.62	
153 2,4-Dinitrophenol	184	10.449	10.449	0.000	61	6084	5.00	5.85	
152 Acenaphthene	153	10.449	10.449	0.000	89	34218	2.50	2.57	
154 4-Nitrophenol	109	10.492	10.492	0.000	92	8193	5.00	5.09	
156 2,4-Dinitrotoluene	165	10.588	10.588	0.000	93	11431	2.50	2.59	
155 Dibenzofuran	168	10.631	10.631	0.000	95	54099	2.50	2.85	
158 2,3,4,6-Tetrachlorophenol	232	10.754	10.759	-0.005	73	8129	2.50	2.60	
161 Diethyl phthalate	149	10.829	10.829	0.001	97	40691	2.50	2.75	
256 Hexadecane	57	10.834	10.839	-0.005	93	28415	2.50	2.51	
163 4-Chlorophenyl phenyl ethe	204	10.973	10.973	0.000	92	19481	2.50	2.61	
164 4-Nitroaniline	138	10.984	10.983	0.001	88	10798	2.50	2.60	
162 Fluorene	166	10.994	10.994	0.000	98	44117	2.50	2.85	
165 4,6-Dinitro-2-methylphenol	198	11.016	11.021	-0.005	76	8491	5.00	5.54	
168 N-Nitrosodiphenylamine	169	11.090	11.090	0.000	97	28987	2.50	2.49	
169 Diphenylamine	169	11.090	11.090	0.000	94	28987	2.14	2.13	
171 Azobenzene	77	11.133	11.138	-0.005	98	40687	2.50	2.47	
170 1,2-Diphenylhydrazine	77	11.133	11.138	-0.005	99	40687	2.50	2.48	
175 4-Bromophenyl phenyl ether	248	11.470	11.470	0.000	68	10566	2.50	2.54	
179 Hexachlorobenzene	284	11.555	11.560	-0.005	92	11722	2.50	2.73	
180 Atrazine	200	11.593	11.592	0.000	90	9912	2.50	2.35	
183 Pentachlorophenol	266	11.737	11.737	0.000	87	8985	5.00	5.09	
265 n-Octadecane	57	11.742	11.742	0.000	93	27911	2.50	2.48	
188 Phenanthrene	178	11.945	11.945	0.000	97	58364	2.50	2.78	
189 Anthracene	178	11.993	11.993	0.000	97	59422	2.50	2.82	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
192 Carbazole	167	12.127	12.127	0.000	96	54181	2.50	2.76	
195 Di-n-butyl phthalate	149	12.394	12.394	0.000	99	64061	2.50	2.88	
201 Fluoranthene	202	13.030	13.035	-0.005	97	61845	2.50	2.85	
202 Benzidine	184	13.110	13.110	0.000	99	34660	2.50	2.43	
204 Pyrene	202	13.243	13.243	0.000	97	66131	2.50	2.88	
210 Butyl benzyl phthalate	149	13.724	13.724	0.000	96	27773	2.50	2.51	
216 Bis(2-ethylhexyl) phthalat	149	14.200	14.199	0.001	98	38261	2.50	2.49	
215 3,3'-Dichlorobenzidine	252	14.242	14.242	0.000	74	19912	2.50	2.52	
217 Benzo[a]anthracene	228	14.306	14.306	0.000	98	62348	2.50	2.76	
218 Chrysene	228	14.338	14.338	0.000	99	62819	2.50	2.93	
220 Di-n-octyl phthalate	149	14.793	14.792	0.001	99	67870	2.50	2.66	
221 Benzo[b]fluoranthene	252	15.412	15.412	0.000	99	55697	2.50	2.64	
222 Benzo[k]fluoranthene	252	15.439	15.439	0.000	99	60791	2.50	2.81	
225 Benzo[a]pyrene	252	15.818	15.818	0.000	78	52510	2.50	2.59	
228 Dibenz(a,h)anthracene	278	17.469	17.469	0.000	75	51514	2.50	2.56	
227 Indeno[1,2,3-cd]pyrene	276	17.469	17.474	-0.005	92	60470	2.50	2.58	
229 Benzo[g,h,i]perylene	276	17.971	17.971	0.000	96	52310	2.50	2.56	
S 232 Total Cresols	1				0			4.69	
S 233 3-Methylphenol	1				0			2.25	
S 234 3 & 4 Methylphenol	108				0			2.25	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

MB_LIST1_WRK_00646	Amount Added: 1.00	Units: mL	
MB_INTSTD_STK_00055	Amount Added: 20.00	Units: uL	Run Reagent

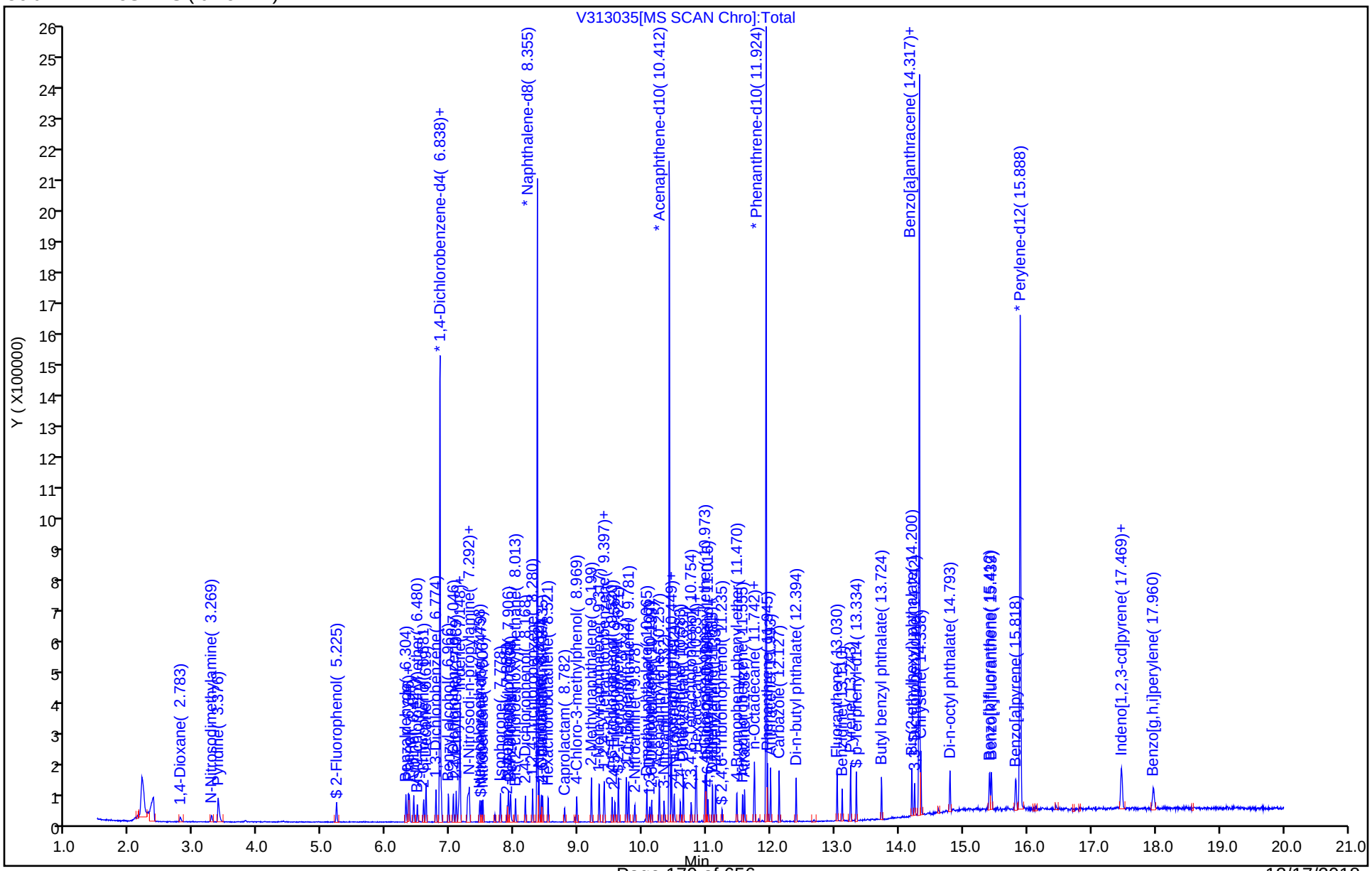
Report Date: 15-Nov-2018 13:08:27 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313035.D

Injection Date:	14-Nov-2018 15:57:30	Instrument ID:	HP5973V	Operator ID:	MKP
Lims ID:	IC - LIST1 2.5			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	V-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

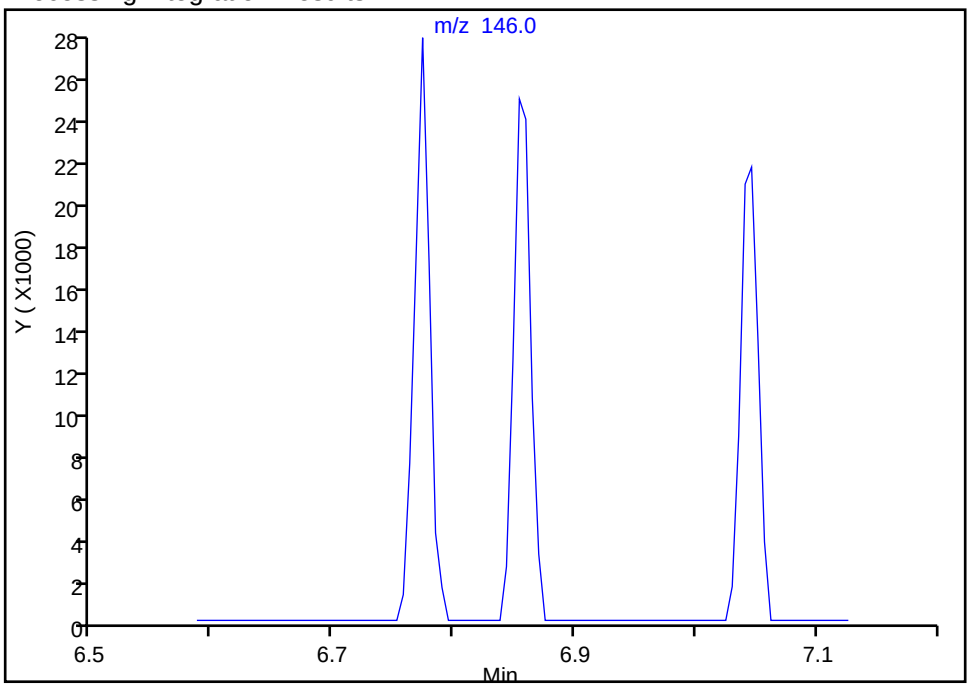
Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313035.D
Injection Date: 14-Nov-2018 15:57:30 Instrument ID: HP5973V
Lims ID: IC - LIST1 2.5
Client ID:
Operator ID: MKP ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: V-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

88 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

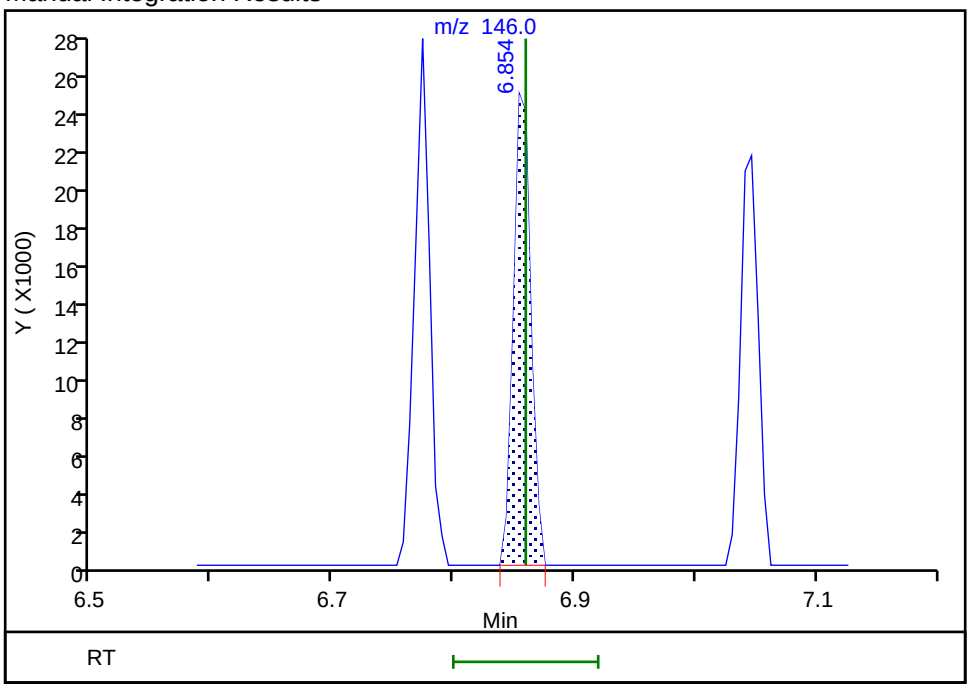
Not Detected
Expected RT: 6.86

Processing Integration Results



Manual Integration Results

RT: 6.85
Area: 24984
Amount: 2.528553
Amount Units: ng/uL



Reviewer: quirkp, 15-Nov-2018 12:02:08
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

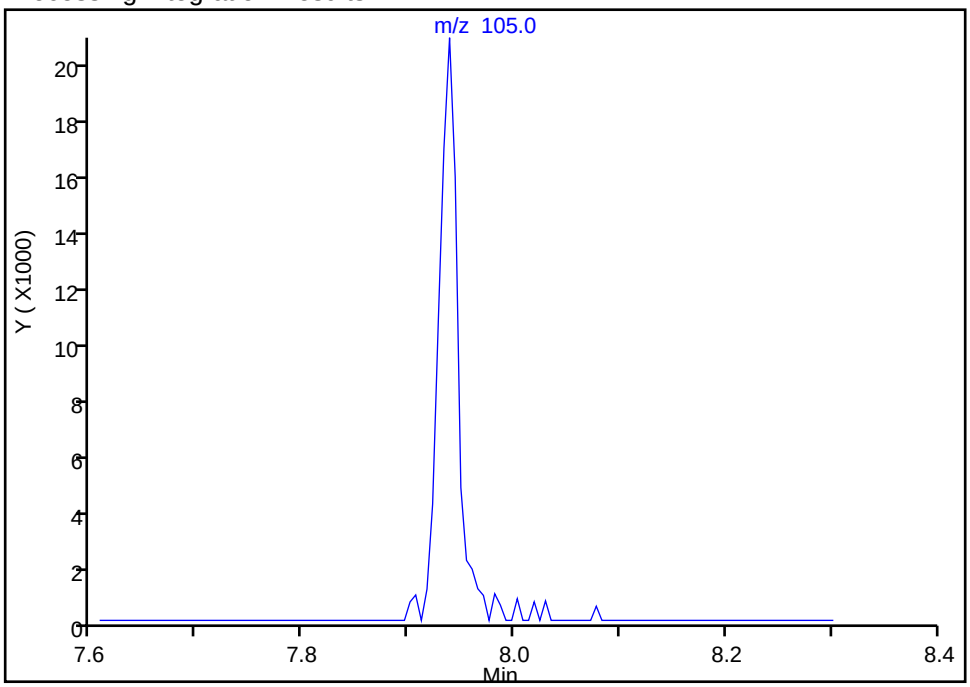
Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313035.D
Injection Date: 14-Nov-2018 15:57:30 Instrument ID: HP5973V
Lims ID: IC - LIST1 2.5
Client ID:
Operator ID: MKP ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: V-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

115 Benzoic acid, CAS: 65-85-0

Signal: 1

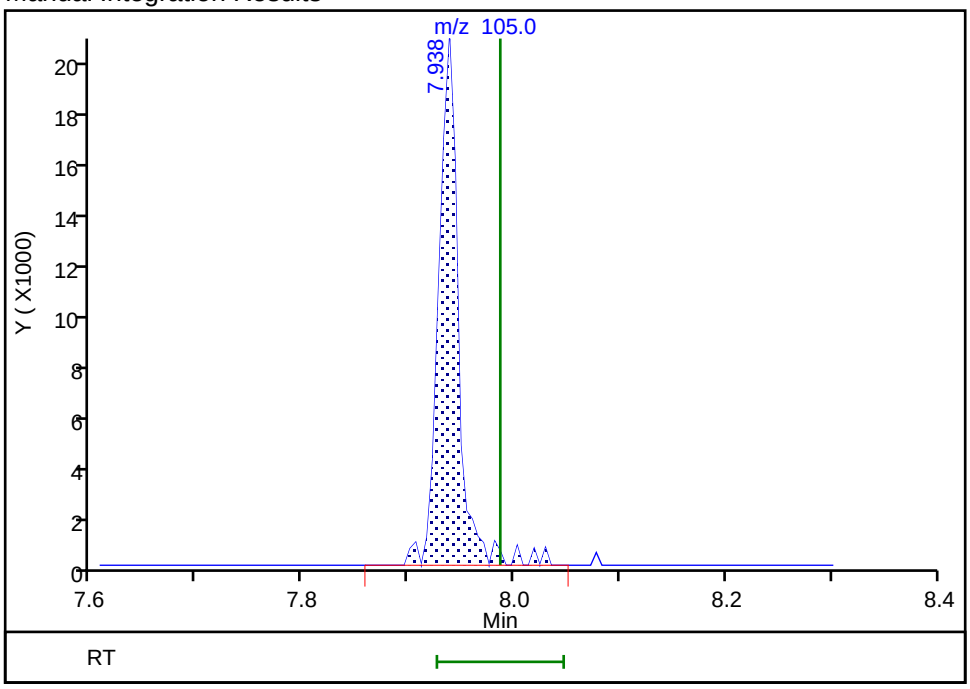
Not Detected
Expected RT: 7.99

Processing Integration Results



Manual Integration Results

RT: 7.94
Area: 27438
Amount: 7.942349
Amount Units: ng/uL



Reviewer: quirkp, 15-Nov-2018 12:02:18
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313036.D
Lims ID: IC - LIST1 5.0
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 14-Nov-2018 16:24:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0076436-005
Operator ID: MKP Instrument ID: HP5973V
Sublist: chrom-V-8270*sub63

Method: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 15-Nov-2018 13:08:21 Calib Date: 14-Nov-2018 18:42:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313041.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0304

First Level Reviewer: quirkp Date: 15-Nov-2018 12:21:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.838	6.838	0.000	96	222913	40.0	40.0	
* 2 Naphthalene-d8	136	8.355	8.355	0.000	100	842509	40.0	40.0	
* 3 Acenaphthene-d10	164	10.412	10.417	-0.005	95	436487	40.0	40.0	
* 4 Phenanthrene-d10	188	11.924	11.924	0.000	97	740308	40.0	40.0	
* 5 Chrysene-d12	240	14.317	14.317	0.000	99	714651	40.0	40.0	
* 6 Perylene-d12	264	15.888	15.888	0.000	97	721236	40.0	40.0	
$ 7 2-Fluorophenol	112	5.219	5.225	-0.005	94	37065	5.00	4.60	
$ 8 Phenol-d5	99	6.341	6.346	-0.005	96	45339	5.00	4.81	
$ 9 Nitrobenzene-d5	82	7.479	7.484	-0.005	91	37736	5.00	4.57	
$ 10 2-Fluorobiphenyl	172	9.621	9.621	0.000	100	78041	5.00	4.89	
$ 11 2,4,6-Tribromophenol	330	11.240	11.240	0.000	89	8681	5.00	4.42	
$ 12 p-Terphenyl-d14	244	13.334	13.334	0.000	99	80397	5.00	5.23	
68 1,4-Dioxane	88	2.778	2.788	-0.010	85	15725	5.00	5.01	
69 N-Nitrosodimethylamine	42	3.264	3.269	-0.005	93	21664	5.00	5.05	
70 Pyridine	52	3.371	3.365	0.006	90	65075	10.0	10.0	
80 Benzaldehyde	77	6.304	6.304	0.000	95	32945	5.00	5.54	
81 Phenol	94	6.357	6.362	-0.005	99	48281	5.00	5.29	
82 Aniline	93	6.427	6.427	0.001	97	56859	5.00	5.17	
83 Bis(2-chloroethyl)ether	93	6.480	6.485	-0.005	96	36970	5.00	5.13	
84 2-Chlorophenol	128	6.581	6.581	0.000	97	39946	5.00	5.08	
263 n-Decane	57	6.619	6.619	0.000	94	51969	5.00	5.45	
87 1,3-Dichlorobenzene	146	6.774	6.774	0.000	98	45029	5.00	5.30	
88 1,4-Dichlorobenzene	146	6.859	6.859	0.000	90	45469	5.00	5.26	
90 Benzyl alcohol	108	6.971	6.971	0.000	95	25530	5.00	5.14	
91 1,2-Dichlorobenzene	146	7.046	7.046	0.000	96	43906	5.00	5.42	
92 2-Methylphenol	108	7.089	7.089	0.000	98	32726	5.00	4.87	
93 2,2'-oxybis[1-chloropropan	45	7.132	7.132	0.000	94	68424	5.00	5.44	
248 Indene	115	7.148	7.148	0.000	91	200566	15.0	16.3	
96 4-Methylphenol	108	7.265	7.265	0.000	97	35951	5.00	5.13	
95 N-Nitrosodi-n-propylamine	70	7.281	7.281	0.000	95	25356	5.00	4.98	
94 Acetophenone	105	7.292	7.292	0.000	96	52124	5.00	5.26	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
99 Hexachloroethane	117	7.458	7.458	0.000	93	16272	5.00	4.94	
102 Nitrobenzene	77	7.506	7.506	0.000	90	35394	5.00	4.69	
106 Isophorone	82	7.778	7.778	0.000	99	65794	5.00	5.01	
107 2-Nitrophenol	139	7.885	7.885	0.000	89	17313	5.00	4.42	
108 2,4-Dimethylphenol	107	7.906	7.906	0.000	93	37033	5.00	4.93	
111 Bis(2-chloroethoxy)methane	93	8.013	8.013	0.000	98	42775	5.00	5.08	
115 Benzoic acid	105	7.949	7.986	-0.037	88	58576	15.0	13.6	a
114 2,4-Dichlorophenol	162	8.168	8.168	0.000	94	30772	5.00	4.89	
117 1,2,4-Trichlorobenzene	180	8.280	8.280	0.000	94	32775	5.00	4.94	
118 Naphthalene	128	8.382	8.382	0.000	97	111448	5.00	5.44	
119 4-Chloroaniline	127	8.419	8.419	0.000	95	42792	5.00	4.76	
122 2,6-Dichlorophenol	162	8.435	8.441	-0.006	96	31539	5.00	5.00	
121 Hexachlorobutadiene	225	8.521	8.526	-0.005	96	16357	5.00	4.77	
124 Caprolactam	113	8.782	8.798	-0.016	78	9793	5.00	4.78	
129 4-Chloro-3-methylphenol	107	8.969	8.969	0.000	97	30041	5.00	4.86	
131 2-Methylnaphthalene	142	9.199	9.199	0.000	94	75916	5.00	5.46	
251 1-Methylnaphthalene	142	9.317	9.322	-0.005	94	69020	5.00	5.34	
134 Hexachlorocyclopentadiene	237	9.391	9.391	0.000	95	18314	5.00	4.35	
135 1,2,4,5-Tetrachlorobenzene	216	9.402	9.402	0.000	97	30111	5.00	4.85	
137 2,4,6-Trichlorophenol	196	9.520	9.525	-0.005	93	19268	5.00	4.47	
138 2,4,5-Trichlorophenol	196	9.562	9.568	-0.006	94	20390	5.00	4.87	
140 1,1'-Biphenyl	154	9.744	9.744	0.000	94	84318	5.00	5.05	
141 2-Chloronaphthalene	162	9.781	9.781	0.000	96	71123	5.00	5.28	
143 2-Nitroaniline	65	9.878	9.878	0.000	86	18744	5.00	4.84	
146 Dimethyl phthalate	163	10.065	10.065	0.000	99	73362	5.00	5.10	
148 1,3-Dinitrobenzene	168	10.107	10.107	0.000	86	10801	5.00	4.89	
149 2,6-Dinitrotoluene	165	10.139	10.139	0.000	95	17144	5.00	4.68	
150 Acenaphthylene	152	10.257	10.262	-0.005	98	98383	5.00	5.19	
151 3-Nitroaniline	138	10.337	10.337	0.000	96	17198	5.00	4.54	
152 Acenaphthene	153	10.449	10.449	0.000	92	65679	5.00	5.20	
153 2,4-Dinitrophenol	184	10.444	10.449	-0.005	78	15715	10.0	10.1	
154 4-Nitrophenol	109	10.492	10.492	0.000	90	18722	10.0	9.76	
156 2,4-Dinitrotoluene	165	10.588	10.588	0.000	94	21183	5.00	4.68	
155 Dibenzofuran	168	10.631	10.631	0.000	97	101496	5.00	5.63	
158 2,3,4,6-Tetrachlorophenol	232	10.754	10.759	-0.005	74	14930	5.00	4.66	
161 Diethyl phthalate	149	10.823	10.829	-0.005	98	70333	5.00	5.00	
256 Hexadecane	57	10.839	10.839	0.000	89	55360	5.00	5.15	
163 4-Chlorophenyl phenyl ethe	204	10.973	10.973	0.000	95	33385	5.00	4.71	
164 4-Nitroaniline	138	10.983	10.983	0.000	86	19184	5.00	4.62	
162 Fluorene	166	10.994	10.994	0.000	96	75659	5.00	5.14	
165 4,6-Dinitro-2-methylphenol	198	11.016	11.021	-0.005	82	19943	10.0	9.88	
169 Diphenylamine	169	11.090	11.090	0.000	94	55235	4.28	4.29	
168 N-Nitrosodiphenylamine	169	11.090	11.090	0.000	96	55235	5.00	5.02	
170 1,2-Diphenylhydrazine	77	11.133	11.138	-0.005	99	72382	5.00	4.95	
171 Azobenzene	77	11.133	11.138	-0.005	99	72382	5.00	4.95	
175 4-Bromophenyl phenyl ether	248	11.470	11.470	0.000	68	18396	5.00	4.68	
179 Hexachlorobenzene	284	11.560	11.560	0.000	93	19143	5.00	4.72	
180 Atrazine	200	11.587	11.592	-0.005	91	19068	5.00	4.76	
183 Pentachlorophenol	266	11.737	11.737	0.000	90	17985	10.0	9.47	
265 n-Octadecane	57	11.742	11.742	0.000	94	52132	5.00	4.90	
188 Phenanthrene	178	11.945	11.945	0.000	97	112449	5.00	5.65	
189 Anthracene	178	11.993	11.993	0.000	97	109051	5.00	5.46	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
192 Carbazole	167	12.127	12.127	0.000	97	100318	5.00	5.40	
195 Di-n-butyl phthalate	149	12.394	12.394	0.000	99	115891	5.00	5.51	
201 Fluoranthene	202	13.035	13.035	0.000	97	112553	5.00	5.49	
202 Benzidine	184	13.110	13.110	0.000	99	70272	5.00	5.11	
204 Pyrene	202	13.243	13.243	0.000	97	118266	5.00	5.34	
210 Butyl benzyl phthalate	149	13.724	13.724	0.000	98	54317	5.00	4.96	
216 Bis(2-ethylhexyl) phthalat	149	14.199	14.199	0.000	97	74010	5.00	4.98	
215 3,3'-Dichlorobenzidine	252	14.242	14.242	0.000	75	38124	5.00	4.88	
217 Benzo[a]anthracene	228	14.306	14.306	0.000	97	118383	5.00	5.43	
218 Chrysene	228	14.338	14.338	0.000	97	114271	5.00	5.53	
220 Di-n-octyl phthalate	149	14.792	14.792	0.000	99	126644	5.00	5.14	
221 Benzo[b]fluoranthene	252	15.412	15.412	0.000	98	114070	5.00	5.43	
222 Benzo[k]fluoranthene	252	15.439	15.439	0.000	99	107153	5.00	4.98	
225 Benzo[a]pyrene	252	15.818	15.818	0.000	78	98417	5.00	4.88	
228 Dibenz(a,h)anthracene	278	17.469	17.469	0.000	77	98967	5.00	4.95	
227 Indeno[1,2,3-cd]pyrene	276	17.469	17.474	-0.005	91	113843	5.00	4.87	
229 Benzo[g,h,i]perylene	276	17.971	17.971	0.000	97	99147	5.00	4.88	
S 232 Total Cresols	1				0			10.0	
S 234 3 & 4 Methylphenol	108				0			5.13	
S 233 3-Methylphenol	1				0			5.13	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

MB_LIST1_WRK_00647	Amount Added: 1.00	Units: mL	
MB_INTSTD_STK_00055	Amount Added: 20.00	Units: uL	Run Reagent

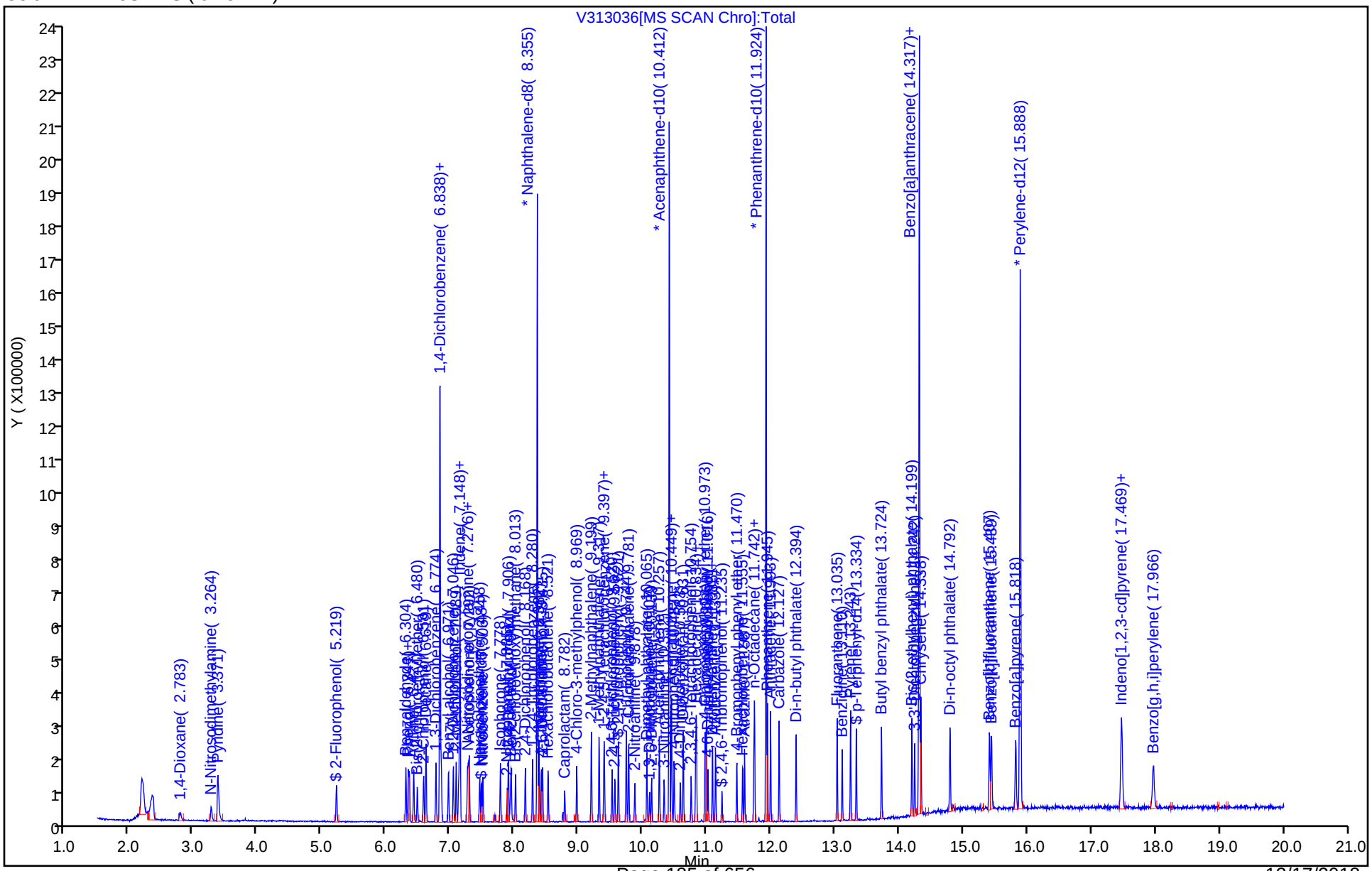
Report Date: 15-Nov-2018 13:08:22 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313036.D

Injection Date:	14-Nov-2018 16:24:30	Instrument ID:	HP5973V	Operator ID:	MKP
Lims ID:	IC - LIST1 5.0			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	V-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

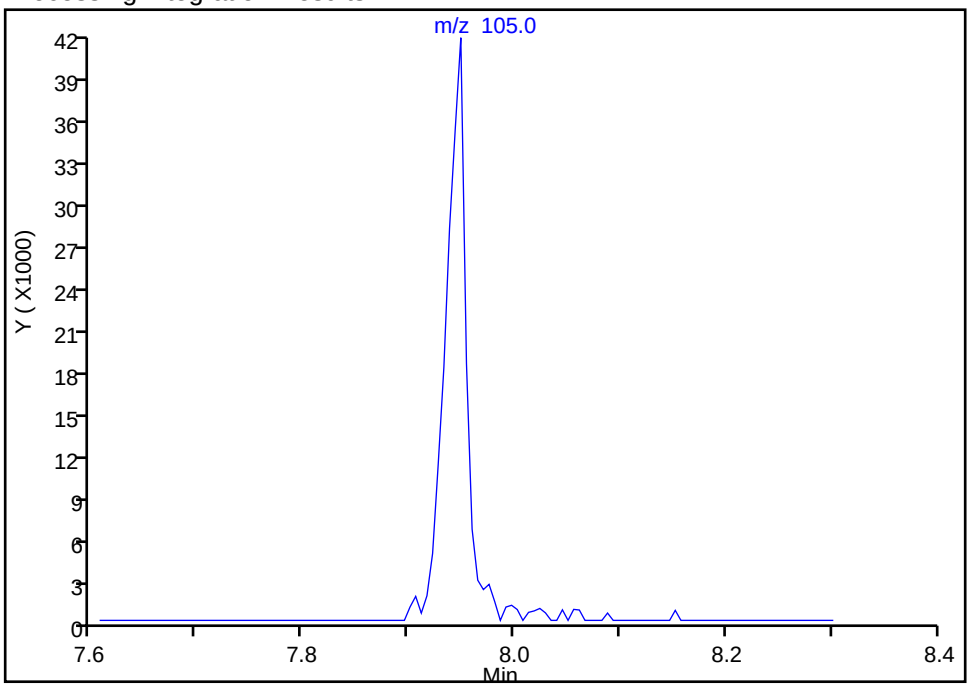
Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313036.D
Injection Date: 14-Nov-2018 16:24:30 Instrument ID: HP5973V
Lims ID: IC - LIST1 5.0
Client ID:
Operator ID: MKP ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: V-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

115 Benzoic acid, CAS: 65-85-0

Signal: 1

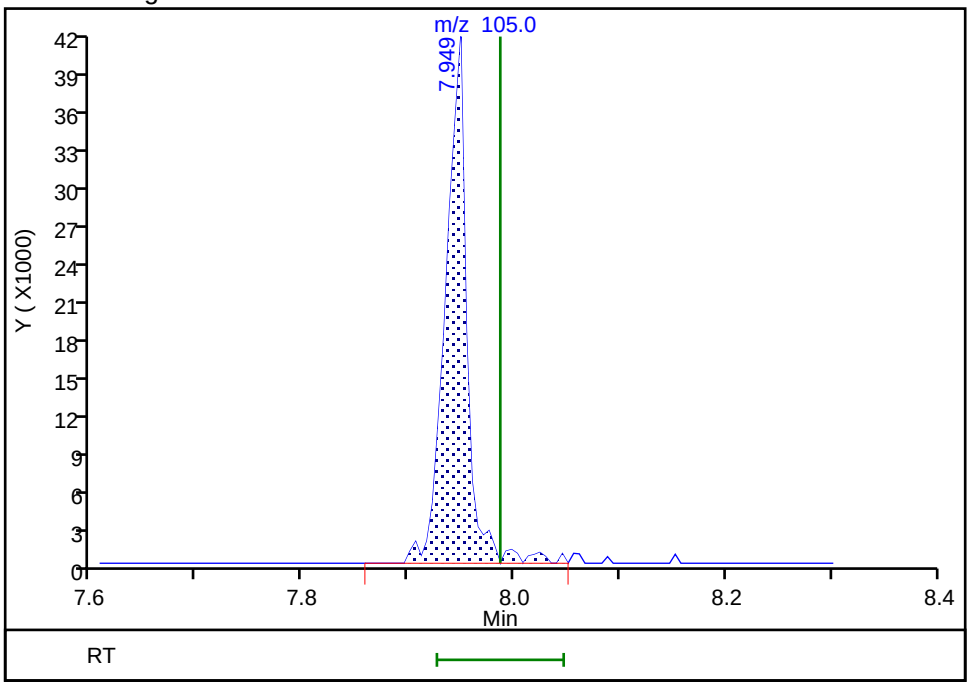
Not Detected
Expected RT: 7.99

Processing Integration Results



Manual Integration Results

RT: 7.95
Area: 58576
Amount: 13.579409
Amount Units: ng/uL



Reviewer: quirkp, 15-Nov-2018 12:20:55
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313037.D
Lims ID: IC - LIST1 20
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 14-Nov-2018 16:52:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0076436-006
Operator ID: MKP Instrument ID: HP5973V
Sublist: chrom-V-8270*sub63

Method: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 15-Nov-2018 13:08:16 Calib Date: 14-Nov-2018 18:42:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313041.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0304

First Level Reviewer: quirkp Date: 15-Nov-2018 12:00:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.838	6.838	0.000	96	296671	40.0	40.0	
* 2 Naphthalene-d8	136	8.355	8.355	0.000	100	1054963	40.0	40.0	
* 3 Acenaphthene-d10	164	10.417	10.417	0.000	95	513544	40.0	40.0	
* 4 Phenanthrene-d10	188	11.924	11.924	0.000	98	836763	40.0	40.0	
* 5 Chrysene-d12	240	14.317	14.317	0.000	99	800461	40.0	40.0	
* 6 Perylene-d12	264	15.888	15.888	0.000	97	799925	40.0	40.0	
$ 7 2-Fluorophenol	112	5.225	5.225	0.000	94	225705	20.0	21.1	
$ 8 Phenol-d5	99	6.346	6.346	0.000	99	260854	20.0	20.8	
$ 9 Nitrobenzene-d5	82	7.484	7.484	0.000	89	219711	20.0	21.2	
$ 10 2-Fluorobiphenyl	172	9.621	9.621	0.000	100	422465	20.0	22.5	
$ 11 2,4,6-Tribromophenol	330	11.240	11.240	0.000	91	46652	20.0	21.0	
$ 12 p-Terphenyl-d14	244	13.334	13.334	0.000	99	375889	20.0	21.8	
68 1,4-Dioxane	88	2.788	2.788	0.000	96	84051	20.0	20.1	
69 N-Nitrosodimethylamine	42	3.269	3.269	0.000	92	114704	20.0	20.1	
70 Pyridine	52	3.365	3.365	0.000	86	345563	40.0	40.0	
80 Benzaldehyde	77	6.304	6.304	0.000	93	162444	20.0	20.5	
81 Phenol	94	6.362	6.362	0.000	99	244686	20.0	20.1	
82 Aniline	93	6.427	6.427	0.000	97	298756	20.0	20.4	
83 Bis(2-chloroethyl)ether	93	6.485	6.485	0.000	96	195118	20.0	20.3	
84 2-Chlorophenol	128	6.581	6.581	0.000	97	212257	20.0	20.3	
263 n-Decane	57	6.619	6.619	0.000	94	266904	20.0	21.0	
87 1,3-Dichlorobenzene	146	6.774	6.774	0.000	98	227866	20.0	20.1	
88 1,4-Dichlorobenzene	146	6.859	6.859	0.000	95	236024	20.0	20.5	
90 Benzyl alcohol	108	6.971	6.971	0.000	93	125380	20.0	19.0	
91 1,2-Dichlorobenzene	146	7.046	7.046	0.000	96	213879	20.0	19.8	
92 2-Methylphenol	108	7.089	7.089	0.000	97	174910	20.0	19.6	
93 2,2'-oxybis[1-chloropropan	45	7.132	7.132	0.000	94	334381	20.0	20.0	
248 Indene	115	7.148	7.148	0.000	91	1036062	60.0	67.4	
96 4-Methylphenol	108	7.265	7.265	0.000	95	186040	20.0	20.0	
95 N-Nitrosodi-n-propylamine	70	7.281	7.281	0.000	93	130584	20.0	19.3	
94 Acetophenone	105	7.292	7.292	0.000	96	261407	20.0	19.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
99 Hexachloroethane	117	7.458	7.458	0.000	95	86830	20.0	19.8	
102 Nitrobenzene	77	7.506	7.506	0.000	89	196452	20.0	20.8	
106 Isophorone	82	7.778	7.778	0.000	98	334825	20.0	20.4	
107 2-Nitrophenol	139	7.885	7.885	0.000	94	106926	20.0	20.4	
108 2,4-Dimethylphenol	107	7.906	7.906	0.000	92	191851	20.0	20.4	
115 Benzoic acid	105	7.986	7.986	0.000	90	368841	60.0	53.5	a
111 Bis(2-chloroethoxy)methane	93	8.013	8.013	0.000	99	218462	20.0	20.7	
114 2,4-Dichlorophenol	162	8.168	8.168	0.000	94	156629	20.0	19.9	
117 1,2,4-Trichlorobenzene	180	8.280	8.280	0.000	95	170643	20.0	20.5	
118 Naphthalene	128	8.382	8.382	0.000	97	555449	20.0	21.6	
119 4-Chloroaniline	127	8.419	8.419	0.000	96	227910	20.0	20.2	
122 2,6-Dichlorophenol	162	8.441	8.441	0.000	97	159450	20.0	20.2	
121 Hexachlorobutadiene	225	8.526	8.526	0.000	97	89680	20.0	20.9	
124 Caprolactam	113	8.798	8.798	0.000	78	54259	20.0	18.6	
129 4-Chloro-3-methylphenol	107	8.969	8.969	0.000	96	154373	20.0	19.9	
131 2-Methylnaphthalene	142	9.199	9.199	0.000	92	359358	20.0	20.6	
251 1-Methylnaphthalene	142	9.322	9.322	0.000	93	331188	20.0	20.5	
134 Hexachlorocyclopentadiene	237	9.391	9.391	0.000	98	103251	20.0	20.8	
135 1,2,4,5-Tetrachlorobenzene	216	9.402	9.402	0.000	98	153869	20.0	21.1	
137 2,4,6-Trichlorophenol	196	9.525	9.525	0.000	93	104234	20.0	20.5	
138 2,4,5-Trichlorophenol	196	9.568	9.568	0.000	94	108297	20.0	19.8	
140 1,1'-Biphenyl	154	9.744	9.744	0.000	95	410241	20.0	22.2	
141 2-Chloronaphthalene	162	9.781	9.781	0.000	96	337339	20.0	21.3	
143 2-Nitroaniline	65	9.878	9.878	0.000	86	92973	20.0	19.0	
146 Dimethyl phthalate	163	10.065	10.065	0.000	99	358250	20.0	21.2	
148 1,3-Dinitrobenzene	168	10.107	10.107	0.000	85	58182	20.0	18.1	
149 2,6-Dinitrotoluene	165	10.139	10.139	0.000	96	84473	20.0	19.6	
150 Acenaphthylene	152	10.262	10.262	0.000	98	486758	20.0	21.8	
151 3-Nitroaniline	138	10.337	10.337	0.000	95	91481	20.0	19.3	
153 2,4-Dinitrophenol	184	10.449	10.449	0.000	80	84856	40.0	34.2	
152 Acenaphthene	153	10.449	10.449	0.000	92	311528	20.0	20.9	
154 4-Nitrophenol	109	10.492	10.492	0.000	92	100111	40.0	38.1	
156 2,4-Dinitrotoluene	165	10.588	10.588	0.000	94	107613	20.0	18.9	
155 Dibenzofuran	168	10.631	10.631	0.000	96	455576	20.0	21.5	
158 2,3,4,6-Tetrachlorophenol	232	10.759	10.759	0.000	75	76986	20.0	19.1	
161 Diethyl phthalate	149	10.829	10.829	0.000	98	342799	20.0	20.7	
256 Hexadecane	57	10.839	10.839	0.000	91	264643	20.0	20.9	
163 4-Chlorophenyl phenyl ethe	204	10.973	10.973	0.000	94	170525	20.0	20.5	
164 4-Nitroaniline	138	10.983	10.983	0.000	87	99637	20.0	19.4	
162 Fluorene	166	10.994	10.994	0.000	94	356720	20.0	20.6	
165 4,6-Dinitro-2-methylphenol	198	11.021	11.021	0.000	83	106246	40.0	36.9	
168 N-Nitrosodiphenylamine	169	11.090	11.090	0.000	99	264930	20.0	21.3	
169 Diphenylamine	169	11.090	11.090	0.000	95	264930	17.1	18.2	
171 Azobenzene	77	11.138	11.138	0.000	99	352724	20.0	22.4	
170 1,2-Diphenylhydrazine	77	11.138	11.138	0.000	100	352724	20.0	21.6	
175 4-Bromophenyl phenyl ether	248	11.470	11.470	0.000	68	92318	20.0	20.8	
179 Hexachlorobenzene	284	11.560	11.560	0.000	93	93412	20.0	20.4	
180 Atrazine	200	11.592	11.592	0.000	92	95484	20.0	20.2	
183 Pentachlorophenol	266	11.737	11.737	0.000	89	101701	40.0	42.7	
265 n-Octadecane	57	11.742	11.742	0.000	93	262591	20.0	21.8	
188 Phenanthrene	178	11.945	11.945	0.000	97	496524	20.0	22.1	
189 Anthracene	178	11.993	11.993	0.000	97	511597	20.0	22.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
192 Carbazole	167	12.127	12.127	0.000	96	472477	20.0	22.5	
195 Di-n-butyl phthalate	149	12.394	12.394	0.000	100	550540	20.0	23.1	
201 Fluoranthene	202	13.035	13.035	0.000	97	523273	20.0	22.6	
202 Benzidine	184	13.110	13.110	0.000	99	336880	20.0	21.9	
204 Pyrene	202	13.243	13.243	0.000	98	550608	20.0	22.2	
210 Butyl benzyl phthalate	149	13.724	13.724	0.000	98	249730	20.0	20.0	
216 Bis(2-ethylhexyl) phthalat	149	14.199	14.199	0.000	97	347969	20.0	20.9	
215 3,3'-Dichlorobenzidine	252	14.242	14.242	0.000	75	182503	20.0	20.5	
217 Benzo[a]anthracene	228	14.306	14.306	0.000	98	512725	20.0	21.0	
218 Chrysene	228	14.338	14.338	0.000	97	486114	20.0	21.0	
220 Di-n-octyl phthalate	149	14.792	14.792	0.000	99	612852	20.0	22.2	
221 Benzo[b]fluoranthene	252	15.412	15.412	0.000	98	474582	20.0	20.4	
222 Benzo[k]fluoranthene	252	15.439	15.439	0.000	99	529532	20.0	22.2	
225 Benzo[a]pyrene	252	15.818	15.818	0.000	78	462212	20.0	20.7	
228 Dibenz(a,h)anthracene	278	17.469	17.469	0.000	89	447350	20.0	20.2	
227 Indeno[1,2,3-cd]pyrene	276	17.474	17.474	0.000	98	529256	20.0	20.4	
229 Benzo[g,h,i]perylene	276	17.971	17.971	0.000	96	452718	20.0	20.1	
S 232 Total Cresols	1				0			39.5	
S 233 3-Methylphenol	1				0			20.0	
S 234 3 & 4 Methylphenol	108				0			20.0	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

MB_LIST1_WRK_00648	Amount Added: 1.00	Units: mL	
MB_INTSTD_STK_00055	Amount Added: 20.00	Units: uL	Run Reagent

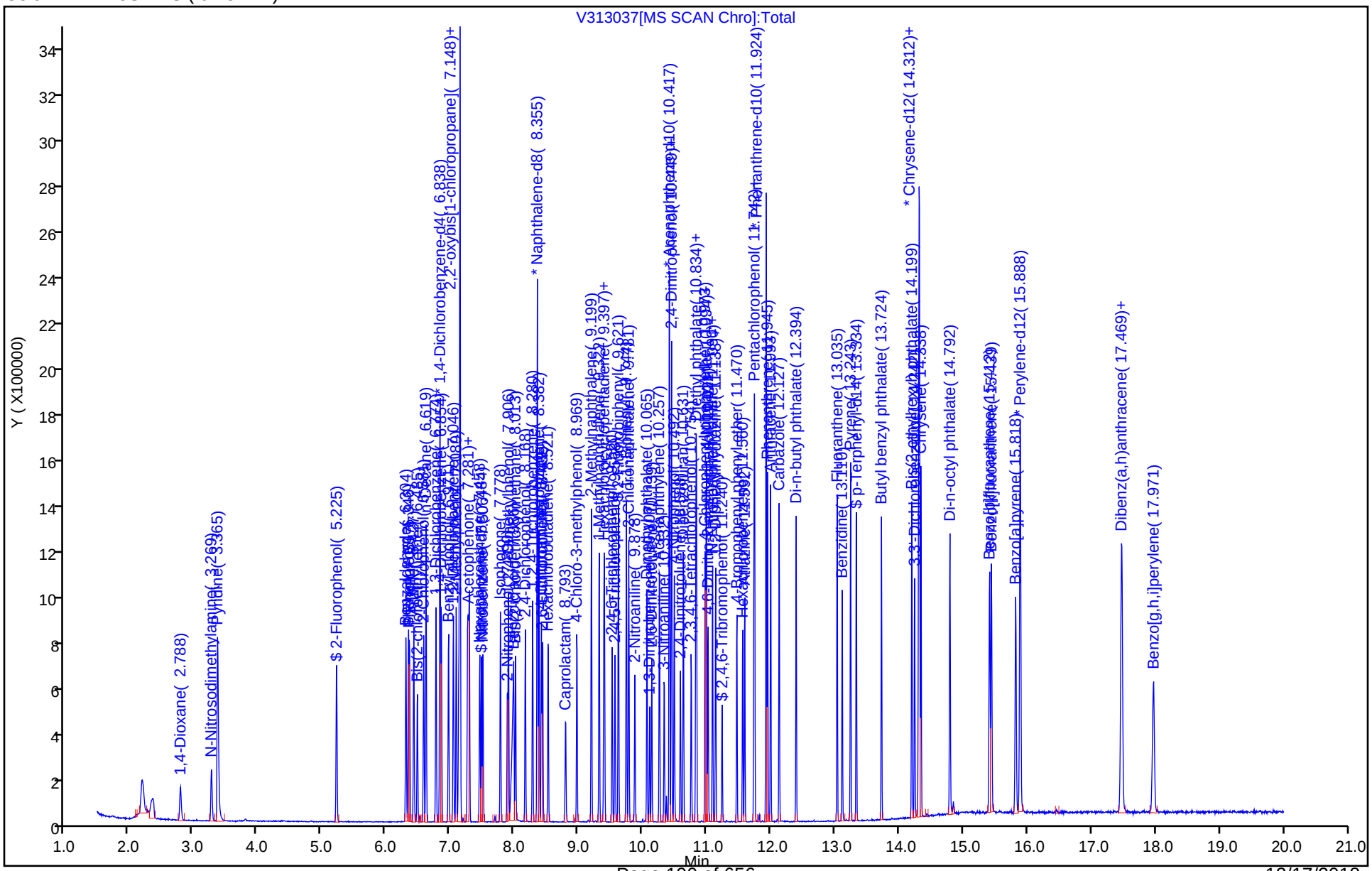
Report Date: 15-Nov-2018 13:08:17 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313037.D

Injection Date:	14-Nov-2018 16:52:30	Instrument ID:	HP5973V	Operator ID:	MKP
Lims ID:	IC - LIST1 20			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	V-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

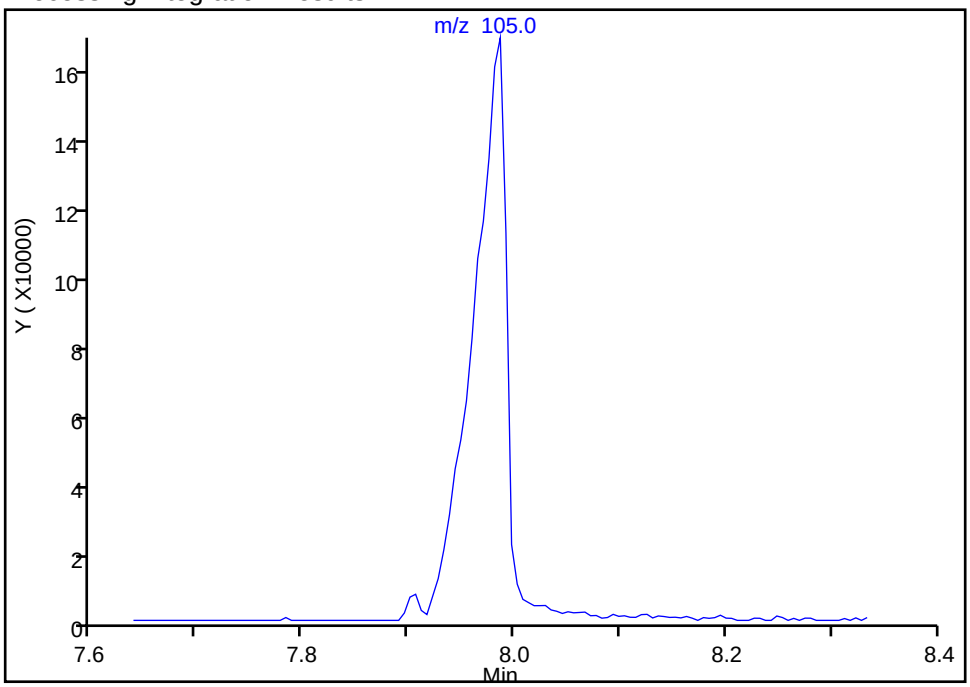
Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313037.D
Injection Date: 14-Nov-2018 16:52:30 Instrument ID: HP5973V
Lims ID: IC - LIST1 20
Client ID:
Operator ID: MKP ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: V-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

115 Benzoic acid, CAS: 65-85-0

Signal: 1

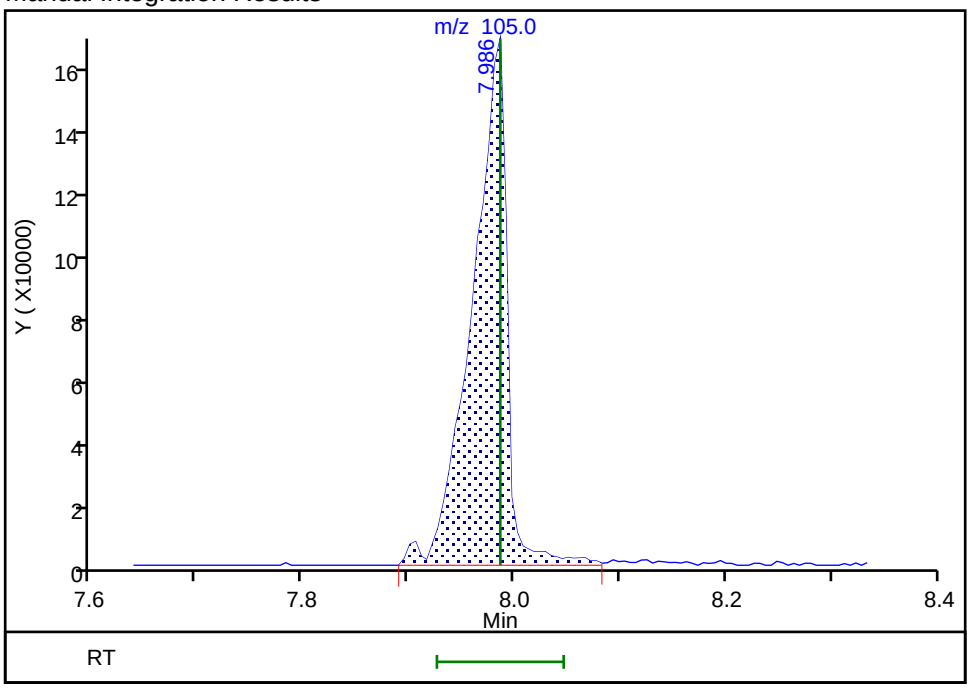
Not Detected
Expected RT: 7.99

Processing Integration Results



Manual Integration Results

RT: 7.99
Area: 368841
Amount: 53.459312
Amount Units: ng/uL



Reviewer: quirkp, 15-Nov-2018 12:22:10
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313038.D
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 14-Nov-2018 17:19:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0076436-007
Operator ID: MKP Instrument ID: HP5973V
Sublist: chrom-V-8270*sub63

Method: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 15-Nov-2018 13:08:11 Calib Date: 14-Nov-2018 18:42:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313041.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0304

First Level Reviewer: pagem Date: 15-Nov-2018 09:11:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.838	6.838	0.000	96	237872	40.0	40.0	
* 2 Naphthalene-d8	136	8.355	8.355	0.000	100	878243	40.0	40.0	
* 3 Acenaphthene-d10	164	10.412	10.412	0.000	95	438275	40.0	40.0	
* 4 Phenanthrene-d10	188	11.924	11.924	0.000	97	740536	40.0	40.0	
* 5 Chrysene-d12	240	14.317	14.317	0.000	99	708715	40.0	40.0	
* 6 Perylene-d12	264	15.888	15.888	0.000	97	715489	40.0	40.0	
$ 7 2-Fluorophenol	112	5.225	5.225	0.000	93	414551	50.0	48.2	
$ 8 Phenol-d5	99	6.347	6.347	0.000	99	487046	50.0	48.4	
$ 9 Nitrobenzene-d5	82	7.484	7.484	0.000	90	420995	50.0	48.9	
$ 10 2-Fluorobiphenyl	172	9.621	9.621	0.000	100	780547	50.0	48.7	
$ 11 2,4,6-Tribromophenol	330	11.240	11.240	0.000	93	94655	50.0	48.2	
$ 12 p-Terphenyl-d14	244	13.334	13.334	0.000	99	752263	50.0	49.4	
68 1,4-Dioxane	88	2.783	2.783	0.000	98	170239	50.0	50.8	
69 N-Nitrosodimethylamine	42	3.269	3.269	0.000	91	230507	50.0	50.4	
70 Pyridine	52	3.366	3.366	0.000	88	692950	100.0	99.9	
80 Benzaldehyde	77	6.304	6.304	0.000	92	312376	50.0	49.3	
81 Phenol	94	6.363	6.363	0.000	100	484858	50.0	49.8	
82 Aniline	93	6.427	6.427	0.000	97	605353	50.0	51.5	
83 Bis(2-chloroethyl)ether	93	6.485	6.485	0.000	97	387301	50.0	50.4	
84 2-Chlorophenol	128	6.582	6.582	0.000	97	427100	50.0	50.9	
263 n-Decane	57	6.619	6.619	0.000	93	514073	50.0	50.5	
87 1,3-Dichlorobenzene	146	6.774	6.774	0.000	98	452898	50.0	49.9	
88 1,4-Dichlorobenzene	146	6.859	6.859	0.000	94	460590	50.0	50.0	
90 Benzyl alcohol	108	6.972	6.972	0.000	92	264269	50.0	49.8	
91 1,2-Dichlorobenzene	146	7.046	7.046	0.000	97	436488	50.0	50.5	
92 2-Methylphenol	108	7.089	7.089	0.000	97	365014	50.0	50.9	
93 2,2'-oxybis[1-chloropropan	45	7.132	7.132	0.000	94	666811	50.0	49.6	
248 Indene	115	7.148	7.148	0.000	92	1779057	150.0	139.0	
96 4-Methylphenol	108	7.271	7.271	0.000	96	383111	50.0	51.3	
95 N-Nitrosodi-n-propylamine	70	7.281	7.281	0.000	94	269406	50.0	49.6	
94 Acetophenone	105	7.298	7.298	0.000	96	529858	50.0	50.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
99 Hexachloroethane	117	7.458	7.458	0.000	97	174350	50.0	49.6	
102 Nitrobenzene	77	7.506	7.506	0.000	90	398174	50.0	50.6	
106 Isophorone	82	7.784	7.784	0.000	98	711118	50.0	51.9	
107 2-Nitrophenol	139	7.891	7.891	0.000	94	218169	50.0	49.5	
108 2,4-Dimethylphenol	107	7.907	7.907	0.000	94	386548	50.0	49.4	
111 Bis(2-chloroethoxy)methane	93	8.019	8.019	0.000	99	439206	50.0	50.0	
115 Benzoic acid	105	8.019	8.019	0.000	61	870716	150.0	144.8	a
114 2,4-Dichlorophenol	162	8.168	8.168	0.000	93	332809	50.0	50.7	
117 1,2,4-Trichlorobenzene	180	8.280	8.280	0.000	95	340852	50.0	49.3	
118 Naphthalene	128	8.382	8.382	0.000	98	1085865	50.0	50.8	
119 4-Chloroaniline	127	8.419	8.419	0.000	97	487020	50.0	51.9	
122 2,6-Dichlorophenol	162	8.441	8.441	0.000	98	327733	50.0	49.8	
121 Hexachlorobutadiene	225	8.526	8.526	0.000	98	178197	50.0	49.8	
124 Caprolactam	113	8.815	8.815	0.000	77	121799	50.0	49.0	
129 4-Chloro-3-methylphenol	107	8.975	8.975	0.000	97	331695	50.0	51.4	
131 2-Methylnaphthalene	142	9.199	9.199	0.000	92	735941	50.0	50.8	
251 1-Methylnaphthalene	142	9.322	9.322	0.000	93	692229	50.0	51.4	
134 Hexachlorocyclopentadiene	237	9.392	9.392	0.000	96	212473	50.0	50.2	
135 1,2,4,5-Tetrachlorobenzene	216	9.402	9.402	0.000	98	301559	50.0	48.4	
137 2,4,6-Trichlorophenol	196	9.525	9.525	0.000	93	219585	50.0	50.7	
138 2,4,5-Trichlorophenol	196	9.568	9.568	0.000	95	237418	50.0	50.0	
140 1,1'-Biphenyl	154	9.744	9.744	0.000	95	832405	50.0	53.3	
141 2-Chloronaphthalene	162	9.782	9.782	0.000	97	691428	50.0	51.1	
143 2-Nitroaniline	65	9.878	9.878	0.000	88	212170	50.0	50.2	
146 Dimethyl phthalate	163	10.065	10.065	0.000	99	761881	50.0	52.8	
148 1,3-Dinitrobenzene	168	10.108	10.108	0.000	87	133573	50.0	48.2	
149 2,6-Dinitrotoluene	165	10.140	10.140	0.000	96	185041	50.0	50.3	
150 Acenaphthylene	152	10.262	10.262	0.000	98	998488	50.0	52.5	
151 3-Nitroaniline	138	10.337	10.337	0.000	96	207509	50.0	50.7	
152 Acenaphthene	153	10.449	10.449	0.000	89	646813	50.0	51.0	
153 2,4-Dinitrophenol	184	10.449	10.449	0.000	79	211497	100.0	93.3	
154 4-Nitrophenol	109	10.498	10.498	0.000	92	225034	100.0	97.4	
156 2,4-Dinitrotoluene	165	10.588	10.588	0.000	95	245340	50.0	49.7	
155 Dibenzofuran	168	10.636	10.636	0.000	96	942180	50.0	52.1	
158 2,3,4,6-Tetrachlorophenol	232	10.759	10.759	0.000	75	170900	50.0	49.1	
161 Diethyl phthalate	149	10.829	10.829	0.000	98	732122	50.0	51.9	
256 Hexadecane	57	10.839	10.839	0.000	91	555392	50.0	51.4	
163 4-Chlorophenyl phenyl ethe	204	10.973	10.973	0.000	95	355703	50.0	50.0	
164 4-Nitroaniline	138	10.989	10.989	0.000	87	221342	50.0	50.1	
162 Fluorene	166	10.994	10.994	0.000	96	774147	50.0	52.3	
165 4,6-Dinitro-2-methylphenol	198	11.021	11.021	0.000	85	254000	100.0	95.3	
169 Diphenylamine	169	11.091	11.091	0.000	95	569023	42.8	44.2	
168 N-Nitrosodiphenylamine	169	11.091	11.091	0.000	98	569023	50.0	51.7	
170 1,2-Diphenylhydrazine	77	11.139	11.139	0.000	99	735881	50.0	53.3	
171 Azobenzene	77	11.139	11.139	0.000	98	735881	50.0	53.3	
175 4-Bromophenyl phenyl ether	248	11.470	11.470	0.000	68	196475	50.0	50.0	
179 Hexachlorobenzene	284	11.561	11.561	0.000	96	201927	50.0	49.7	
180 Atrazine	200	11.593	11.593	0.000	92	204903	50.0	50.9	
183 Pentachlorophenol	266	11.737	11.737	0.000	91	215339	100.0	100.6	
265 n-Octadecane	57	11.742	11.742	0.000	93	549792	50.0	51.6	
188 Phenanthrene	178	11.945	11.945	0.000	98	1028242	50.0	51.7	
189 Anthracene	178	11.993	11.993	0.000	98	1068617	50.0	53.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
192 Carbazole	167	12.127	12.127	0.000	96	1001721	50.0	53.9	
195 Di-n-butyl phthalate	149	12.394	12.394	0.000	100	1144649	50.0	54.4	
201 Fluoranthene	202	13.035	13.035	0.000	98	1082961	50.0	52.8	
202 Benzidine	184	13.110	13.110	0.000	99	713469	50.0	52.3	
204 Pyrene	202	13.243	13.243	0.000	96	1135298	50.0	51.7	
210 Butyl benzyl phthalate	149	13.724	13.724	0.000	98	569568	50.0	51.3	
216 Bis(2-ethylhexyl) phthalat	149	14.200	14.200	0.000	97	785274	50.0	53.2	
215 3,3'-Dichlorobenzidine	252	14.242	14.242	0.000	74	415870	50.0	52.5	
217 Benzo[a]anthracene	228	14.307	14.307	0.000	99	1101567	50.0	51.0	
218 Chrysene	228	14.344	14.344	0.000	97	1042192	50.0	50.9	
220 Di-n-octyl phthalate	149	14.793	14.793	0.000	99	1330165	50.0	54.4	
221 Benzo[b]fluoranthene	252	15.412	15.412	0.000	98	1130325	50.0	54.2	
222 Benzo[k]fluoranthene	252	15.444	15.444	0.000	99	1081080	50.0	50.6	
225 Benzo[a]pyrene	252	15.824	15.824	0.000	79	1038390	50.0	51.9	
228 Dibenz(a,h)anthracene	278	17.474	17.474	0.000	91	1005594	50.0	50.7	
227 Indeno[1,2,3-cd]pyrene	276	17.480	17.480	0.000	97	1199058	50.0	51.7	
229 Benzo[g,h,i]perylene	276	17.971	17.971	0.000	96	1030405	50.0	51.2	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

MB_LIST1_WRK_00653	Amount Added: 1.00	Units: mL	
MB_INTSTD_STK_00055	Amount Added: 20.00	Units: uL	Run Reagent

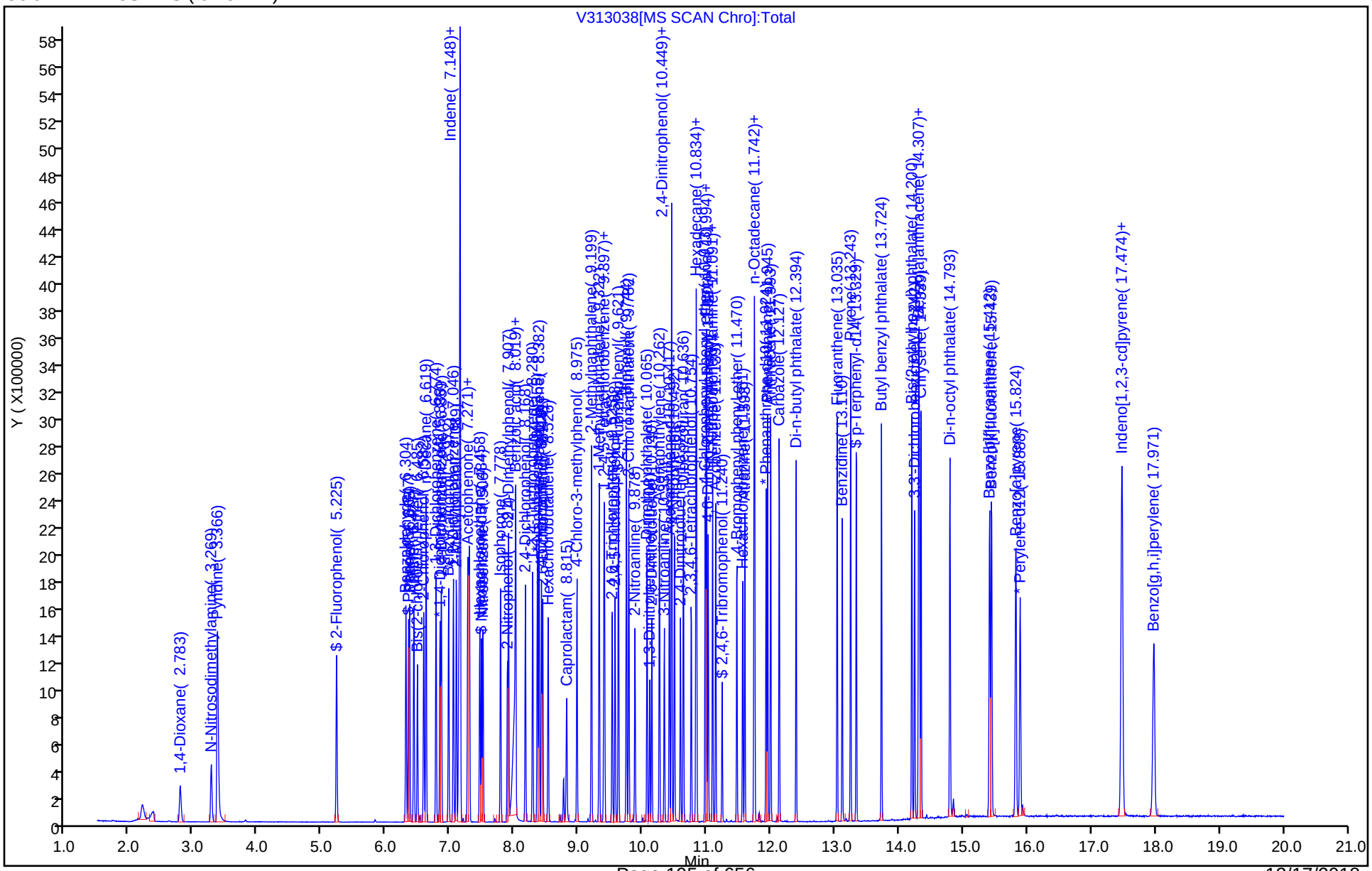
Report Date: 15-Nov-2018 13:08:12 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313038.D

Injection Date:	14-Nov-2018 17:19:30	Instrument ID:	HP5973V	Operator ID:	MKP
Lims ID:	ICIS			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	V-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

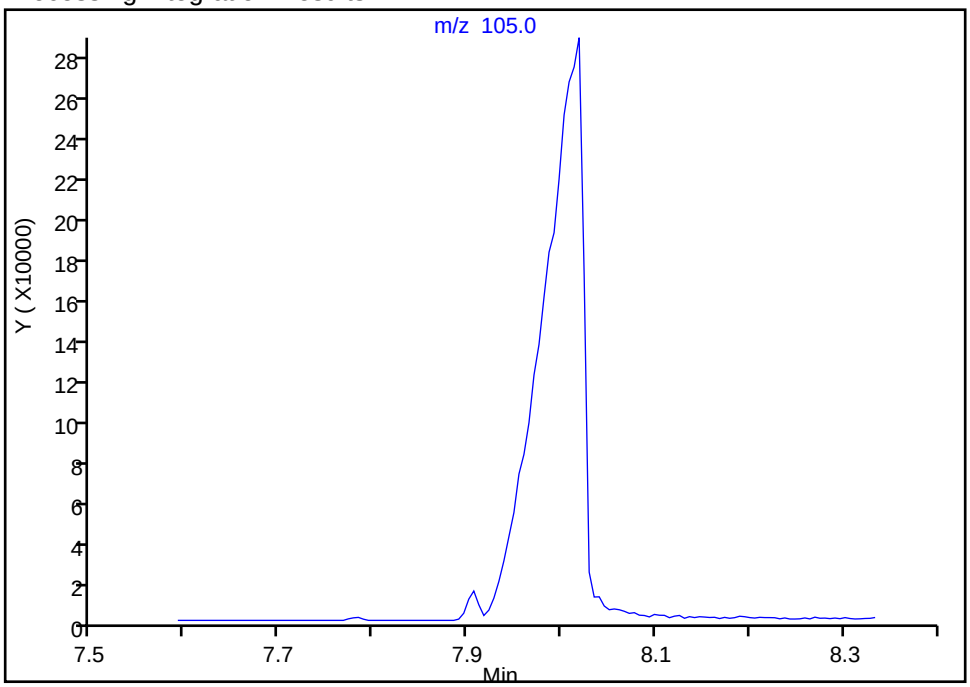
Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313038.D
Injection Date: 14-Nov-2018 17:19:30 Instrument ID: HP5973V
Lims ID: ICIS
Client ID:
Operator ID: MKP ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: V-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

115 Benzoic acid, CAS: 65-85-0

Signal: 1

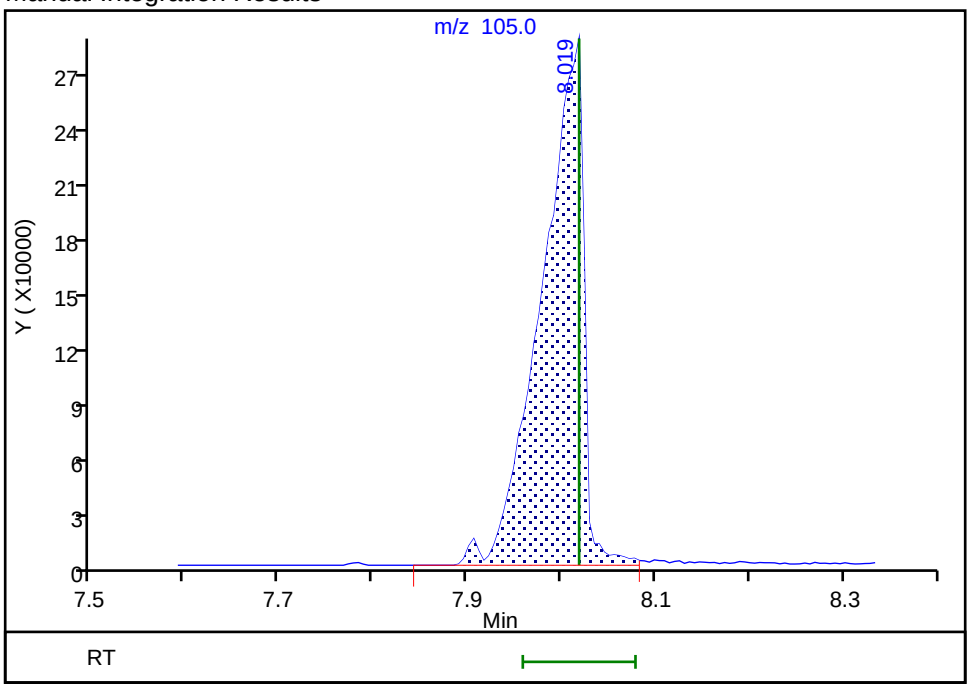
Not Detected
Expected RT: 8.02

Processing Integration Results



Manual Integration Results

RT: 8.02
Area: 870716
Amount: 144.8382
Amount Units: ng/uL



Reviewer: quirkp, 15-Nov-2018 12:00:04
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313039.D
Lims ID: IC - LIST1 80
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 14-Nov-2018 17:47:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0076436-008
Operator ID: MKP Instrument ID: HP5973V
Sublist: chrom-V-8270*sub63

Method: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 15-Nov-2018 13:08:06 Calib Date: 14-Nov-2018 18:42:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313041.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0304

First Level Reviewer: pagem Date: 15-Nov-2018 09:17:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.838	6.838	0.000	96	292594	40.0	40.0	
* 2 Naphthalene-d8	136	8.355	8.355	0.000	100	1089545	40.0	40.0	
* 3 Acenaphthene-d10	164	10.417	10.412	0.005	96	555488	40.0	40.0	
* 4 Phenanthrene-d10	188	11.924	11.924	0.000	98	946237	40.0	40.0	
* 5 Chrysene-d12	240	14.317	14.317	0.000	99	903621	40.0	40.0	
* 6 Perylene-d12	264	15.888	15.888	0.000	96	940956	40.0	40.0	
$ 7 2-Fluorophenol	112	5.225	5.225	0.000	94	862757	80.0	81.6	
$ 8 Phenol-d5	99	6.347	6.347	0.000	98	1010770	80.0	81.7	
$ 9 Nitrobenzene-d5	82	7.484	7.484	0.000	90	890208	80.0	83.3	
$ 10 2-Fluorobiphenyl	172	9.621	9.621	0.000	98	1584895	80.0	78.0	
$ 11 2,4,6-Tribromophenol	330	11.240	11.240	0.000	91	220491	80.0	87.8	
$ 12 p-Terphenyl-d14	244	13.334	13.334	0.000	97	1517225	80.0	78.1	
68 1,4-Dioxane	88	2.783	2.783	0.000	97	329985	80.0	80.1	
69 N-Nitrosodimethylamine	42	3.275	3.269	0.006	91	463180	80.0	82.3	
70 Pyridine	52	3.366	3.366	0.000	87	1374304	160.0	161.1	
80 Benzaldehyde	77	6.309	6.304	0.005	92	491952	80.0	63.1	
81 Phenol	94	6.368	6.363	0.005	99	941568	80.0	78.6	
82 Aniline	93	6.432	6.427	0.005	96	1169914	80.0	81.0	
83 Bis(2-chloroethyl)ether	93	6.485	6.485	0.000	96	757689	80.0	80.1	
84 2-Chlorophenol	128	6.587	6.582	0.005	97	828982	80.0	80.3	
263 n-Decane	57	6.619	6.619	0.000	93	999808	80.0	79.8	
87 1,3-Dichlorobenzene	146	6.774	6.774	0.000	98	875670	80.0	78.5	
88 1,4-Dichlorobenzene	146	6.859	6.859	0.000	93	890488	80.0	78.5	
90 Benzyl alcohol	108	6.977	6.972	0.005	93	538242	80.0	82.5	
91 1,2-Dichlorobenzene	146	7.046	7.046	0.000	96	839635	80.0	79.0	
92 2-Methylphenol	108	7.094	7.089	0.005	96	715931	80.0	81.2	
93 2,2'-oxybis[1-chloropropan	45	7.132	7.132	0.000	94	1312932	80.0	79.5	
248 Indene	115	7.153	7.148	0.005	92	2807789	240.0	176.8	
96 4-Methylphenol	108	7.271	7.271	0.000	94	752005	80.0	81.8	
95 N-Nitrosodi-n-propylamine	70	7.287	7.281	0.006	94	550077	80.0	82.3	
94 Acetophenone	105	7.297	7.298	-0.001	96	1039480	80.0	79.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
99 Hexachloroethane	117	7.458	7.458	0.000	97	352961	80.0	81.7	
102 Nitrobenzene	77	7.511	7.506	0.005	90	798572	80.0	81.8	
106 Isophorone	82	7.784	7.784	0.000	97	1359515	80.0	80.0	
107 2-Nitrophenol	139	7.890	7.891	0.000	94	453543	80.0	82.7	
108 2,4-Dimethylphenol	107	7.906	7.907	-0.001	94	784248	80.0	80.8	
115 Benzoic acid	105	8.056	8.019	0.037	89	1884060	240.0	249.9	a
111 Bis(2-chloroethoxy)methane	93	8.019	8.019	0.000	98	877788	80.0	80.5	
114 2,4-Dichlorophenol	162	8.168	8.168	0.000	95	665248	80.0	81.7	
117 1,2,4-Trichlorobenzene	180	8.286	8.280	0.006	94	691898	80.0	80.6	
118 Naphthalene	128	8.382	8.382	0.000	99	1934120	80.0	73.0	
119 4-Chloroaniline	127	8.425	8.419	0.006	96	972366	80.0	83.6	
122 2,6-Dichlorophenol	162	8.441	8.441	0.000	97	645160	80.0	79.1	
121 Hexachlorobutadiene	225	8.526	8.526	0.000	98	364460	80.0	82.2	
124 Caprolactam	113	8.836	8.815	0.021	77	253140	80.0	81.6	
129 4-Chloro-3-methylphenol	107	8.975	8.975	0.000	97	652948	80.0	81.6	
131 2-Methylnaphthalene	142	9.199	9.199	0.000	92	1414102	80.0	78.6	
251 1-Methylnaphthalene	142	9.322	9.322	0.000	93	1326551	80.0	79.3	
134 Hexachlorocyclopentadiene	237	9.397	9.392	0.005	95	450681	80.0	84.0	
135 1,2,4,5-Tetrachlorobenzene	216	9.408	9.402	0.006	98	625690	80.0	79.2	
137 2,4,6-Trichlorophenol	196	9.525	9.525	0.000	93	457326	80.0	83.3	
138 2,4,5-Trichlorophenol	196	9.573	9.568	0.005	95	489899	80.0	81.0	
140 1,1'-Biphenyl	154	9.744	9.744	0.000	98	1567381	80.0	79.5	
141 2-Chloronaphthalene	162	9.782	9.782	0.000	97	1328734	80.0	77.5	
143 2-Nitroaniline	65	9.883	9.878	0.005	86	435081	80.0	81.0	
146 Dimethyl phthalate	163	10.070	10.065	0.005	98	1443752	80.0	78.9	
148 1,3-Dinitrobenzene	168	10.113	10.108	0.005	87	289987	80.0	83.7	
149 2,6-Dinitrotoluene	165	10.145	10.140	0.005	96	385285	80.0	82.7	
150 Acenaphthylene	152	10.262	10.262	0.000	97	1811917	80.0	75.1	
151 3-Nitroaniline	138	10.343	10.337	0.006	96	426720	80.0	82.0	
153 2,4-Dinitrophenol	184	10.455	10.449	0.006	72	467363	160.0	160.2	
152 Acenaphthene	153	10.455	10.449	0.006	88	1225061	80.0	76.2	
154 4-Nitrophenol	109	10.503	10.498	0.005	93	477740	160.0	162.0	
156 2,4-Dinitrotoluene	165	10.594	10.588	0.006	95	517541	80.0	82.5	
155 Dibenzofuran	168	10.636	10.636	0.000	94	1706215	80.0	74.4	
158 2,3,4,6-Tetrachlorophenol	232	10.759	10.759	0.000	76	359810	80.0	81.2	
161 Diethyl phthalate	149	10.834	10.829	0.005	98	1401530	80.0	78.4	
256 Hexadecane	57	10.839	10.839	0.000	93	1095641	80.0	80.1	
163 4-Chlorophenyl phenyl ethe	204	10.973	10.973	0.000	96	727669	80.0	80.7	
164 4-Nitroaniline	138	10.994	10.989	0.005	85	464005	80.0	82.6	
162 Fluorene	166	11.000	10.994	0.006	96	1439477	80.0	76.8	
165 4,6-Dinitro-2-methylphenol	198	11.026	11.021	0.005	84	561346	160.0	163.0	
168 N-Nitrosodiphenylamine	169	11.090	11.091	0.000	96	1116222	80.0	79.4	
169 Diphenylamine	169	11.090	11.091	0.000	93	1116222	68.4	67.9	
171 Azobenzene	77	11.139	11.139	0.000	96	1402583	80.0	79.7	
170 1,2-Diphenylhydrazine	77	11.139	11.139	0.000	97	1402582	80.0	80.3	
175 4-Bromophenyl phenyl ether	248	11.470	11.470	0.000	68	403626	80.0	80.3	
179 Hexachlorobenzene	284	11.561	11.561	0.000	93	413283	80.0	79.6	
180 Atrazine	200	11.598	11.593	0.005	92	421316	80.0	82.6	
183 Pentachlorophenol	266	11.737	11.737	0.000	90	432829	160.0	157.6	
265 n-Octadecane	57	11.748	11.742	0.006	94	1098258	80.0	80.7	
188 Phenanthrene	178	11.951	11.945	0.006	98	1807148	80.0	71.1	
189 Anthracene	178	11.999	11.993	0.006	98	1853423	80.0	72.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
192 Carbazole	167	12.132	12.127	0.005	97	1777009	80.0	74.9	
195 Di-n-butyl phthalate	149	12.394	12.394	0.000	98	1963084	80.0	73.0	
201 Fluoranthene	202	13.035	13.035	0.000	97	1928513	80.0	73.5	
202 Benzidine	184	13.115	13.110	0.005	99	1210735	80.0	69.6	
204 Pyrene	202	13.243	13.243	0.000	91	2002173	80.0	71.5	
210 Butyl benzyl phthalate	149	13.724	13.724	0.000	98	1169566	80.0	82.5	
216 Bis(2-ethylhexyl) phthalat	149	14.200	14.200	0.000	96	1546113	80.0	82.2	
215 3,3'-Dichlorobenzidine	252	14.242	14.242	0.000	75	832876	80.0	82.4	
217 Benzo[a]anthracene	228	14.306	14.307	-0.001	98	2005934	80.0	72.8	
218 Chrysene	228	14.344	14.344	0.000	94	1883357	80.0	72.1	
220 Di-n-octyl phthalate	149	14.793	14.793	0.000	98	2434081	80.0	78.1	
221 Benzo[b]fluoranthene	252	15.418	15.412	0.006	97	2118697	80.0	77.3	
222 Benzo[k]fluoranthene	252	15.444	15.444	0.000	96	2229636	80.0	79.4	
225 Benzo[a]pyrene	252	15.824	15.824	0.000	80	2072714	80.0	78.8	
228 Dibenz(a,h)anthracene	278	17.485	17.474	0.011	91	2080104	80.0	79.7	
227 Indeno[1,2,3-cd]pyrene	276	17.490	17.480	0.010	96	2475598	80.0	81.2	
229 Benzo[g,h,i]perylene	276	17.982	17.971	0.011	96	2119683	80.0	80.0	
S 232 Total Cresols	1				0			163.1	
S 233 3-Methylphenol	1				0			81.8	
S 234 3 & 4 Methylphenol	108				0			81.8	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

MB_LIST1_WRK_00650	Amount Added: 1.00	Units: mL	
MB_INTSTD_STK_00055	Amount Added: 20.00	Units: uL	Run Reagent

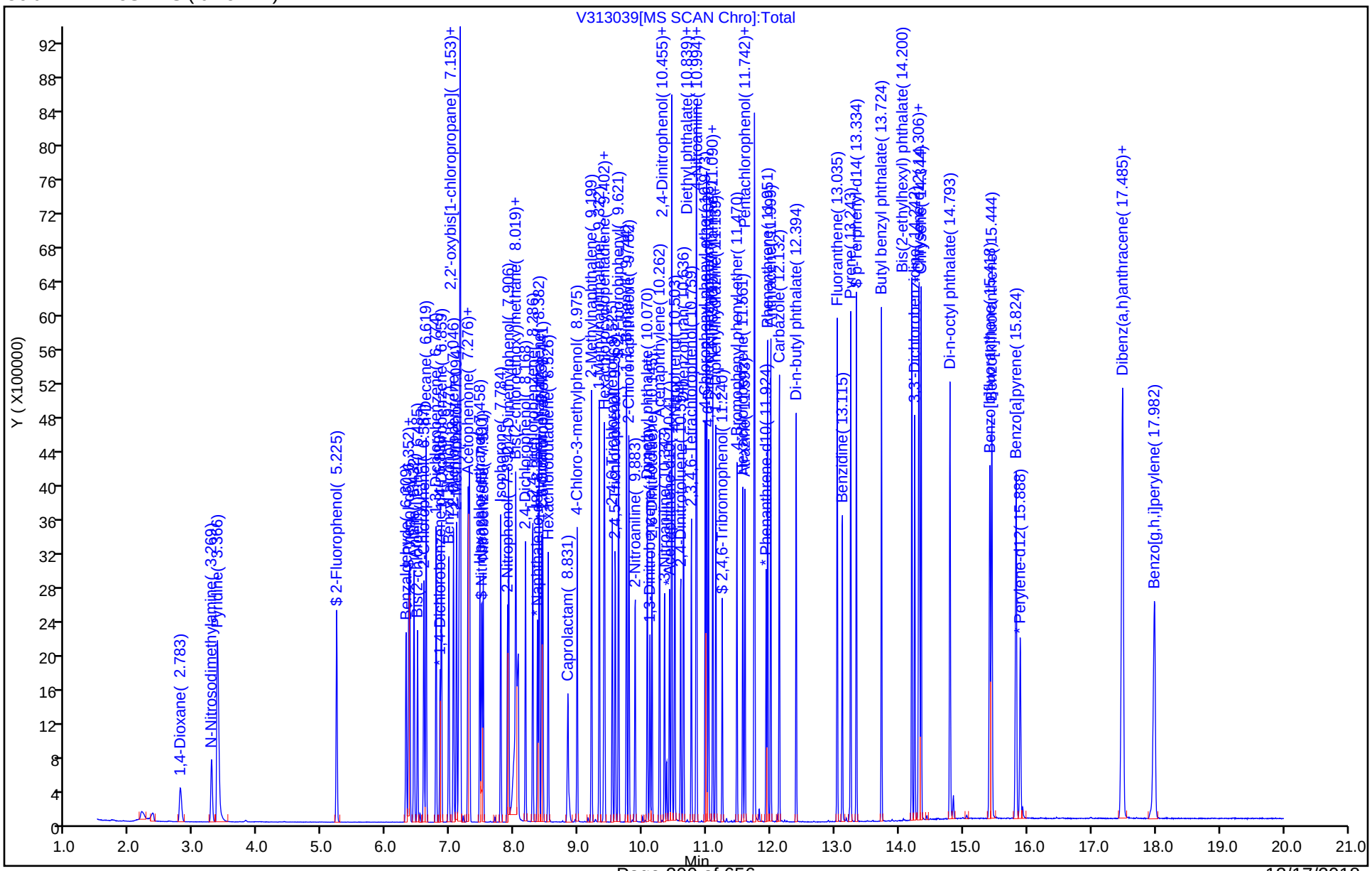
Report Date: 15-Nov-2018 13:08:07 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313039.D

Injection Date:	14-Nov-2018 17:47:30	Instrument ID:	HP5973V	Operator ID:	MKP
Lims ID:	IC - LIST1 80			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	V-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

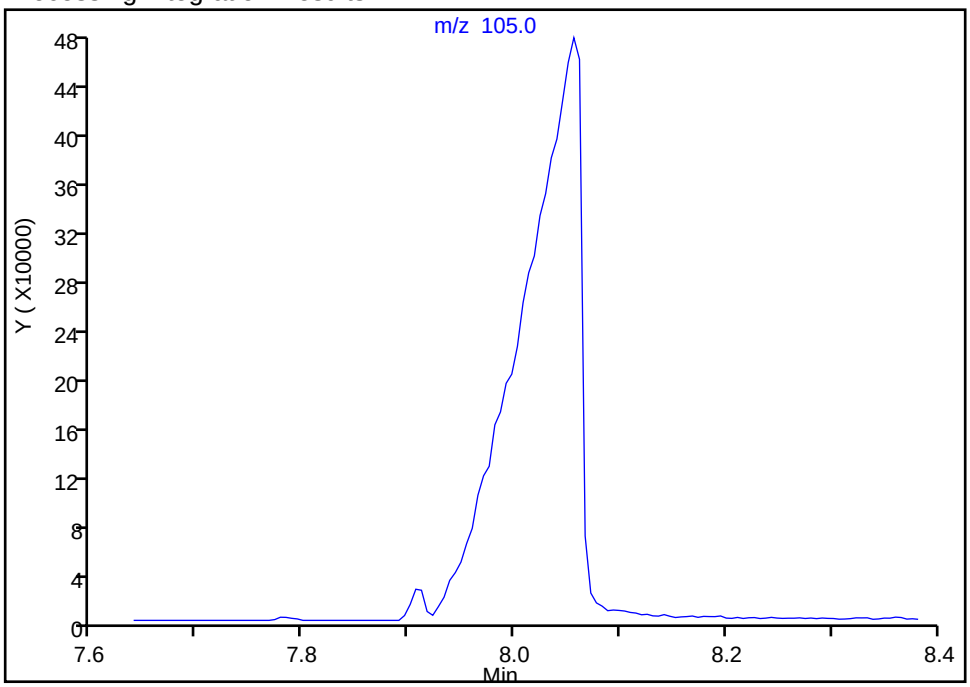
Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313039.D
Injection Date: 14-Nov-2018 17:47:30 Instrument ID: HP5973V
Lims ID: IC - LIST1 80
Client ID:
Operator ID: MKP ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: V-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

115 Benzoic acid, CAS: 65-85-0

Signal: 1

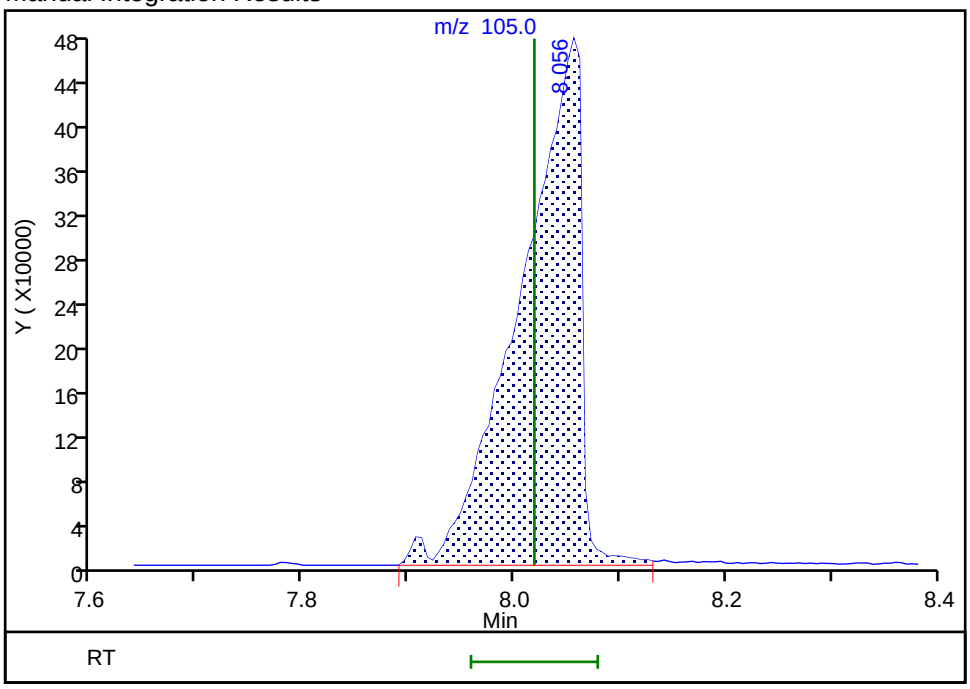
Not Detected
Expected RT: 8.02

Processing Integration Results



Manual Integration Results

RT: 8.06
Area: 1884060
Amount: 249.8829
Amount Units: ng/uL



Reviewer: quirkp, 15-Nov-2018 12:23:01
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313040.D
Lims ID: IC - LIST1 120
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 14-Nov-2018 18:14:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0076436-009
Operator ID: MKP Instrument ID: HP5973V
Sublist: chrom-V-8270*sub63

Method: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 15-Nov-2018 13:08:01 Calib Date: 14-Nov-2018 18:42:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313041.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0304

First Level Reviewer: quirkp Date: 15-Nov-2018 12:24:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.838	6.838	0.000	95	221505	40.0	40.0	
* 2 Naphthalene-d8	136	8.355	8.355	0.000	100	830902	40.0	40.0	
* 3 Acenaphthene-d10	164	10.417	10.412	0.005	95	419272	40.0	40.0	
* 4 Phenanthrene-d10	188	11.924	11.924	0.000	97	725992	40.0	40.0	
* 5 Chrysene-d12	240	14.317	14.317	0.000	99	691992	40.0	40.0	
* 6 Perylene-d12	264	15.888	15.888	0.000	97	722794	40.0	40.0	
$ 7 2-Fluorophenol	112	5.225	5.225	0.000	94	967758	120.0	120.9	
$ 8 Phenol-d5	99	6.352	6.347	0.005	97	1145178	120.0	122.2	
$ 9 Nitrobenzene-d5	82	7.490	7.484	0.006	90	995732	120.0	122.2	
$ 10 2-Fluorobiphenyl	172	9.621	9.621	0.000	98	1746349	120.0	113.9	
$ 11 2,4,6-Tribromophenol	330	11.240	11.240	0.000	90	238441	120.0	123.8	
$ 12 p-Terphenyl-d14	244	13.334	13.334	0.000	97	1664422	120.0	111.9	
68 1,4-Dioxane	88	2.783	2.783	0.000	97	368257	120.0	118.1	
69 N-Nitrosodimethylamine	42	3.269	3.269	0.000	92	514538	120.0	120.8	
70 Pyridine	52	3.366	3.366	0.000	86	1557357	240.0	241.1	
80 Benzaldehyde	77	6.309	6.304	0.005	92	418201	120.0	70.8	
81 Phenol	94	6.368	6.363	0.005	98	1061975	120.0	117.1	
82 Aniline	93	6.432	6.427	0.005	96	1287546	120.0	117.7	
83 Bis(2-chloroethyl)ether	93	6.485	6.485	0.000	95	850094	120.0	118.7	
84 2-Chlorophenol	128	6.587	6.582	0.005	97	941788	120.0	120.5	
263 n-Decane	57	6.619	6.619	0.000	92	1101639	120.0	116.2	
87 1,3-Dichlorobenzene	146	6.774	6.774	0.000	98	978626	120.0	115.8	
88 1,4-Dichlorobenzene	146	6.859	6.859	0.000	92	989410	120.0	115.3	
90 Benzyl alcohol	108	6.977	6.972	0.005	93	603303	120.0	122.2	
91 1,2-Dichlorobenzene	146	7.046	7.046	0.000	96	939276	120.0	116.7	
92 2-Methylphenol	108	7.094	7.089	0.005	97	809954	120.0	121.4	
93 2,2'-oxybis[1-chloropropan	45	7.132	7.132	0.000	94	1447528	120.0	115.7	
248 Indene	115	7.153	7.148	0.005	91	2953215	360.0	243.8	
96 4-Methylphenol	108	7.276	7.271	0.005	92	842532	120.0	121.1	
95 N-Nitrosodi-n-propylamine	70	7.287	7.281	0.006	93	623389	120.0	123.3	
94 Acetophenone	105	7.297	7.298	-0.001	95	1166856	120.0	118.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
99 Hexachloroethane	117	7.458	7.458	0.000	97	403119	120.0	123.2	
102 Nitrobenzene	77	7.511	7.506	0.005	90	898729	120.0	120.7	
106 Isophorone	82	7.784	7.784	0.000	97	1519192	120.0	117.3	
107 2-Nitrophenol	139	7.890	7.891	0.000	95	502175	120.0	119.9	
108 2,4-Dimethylphenol	107	7.906	7.907	-0.001	93	870063	120.0	117.5	
111 Bis(2-chloroethoxy)methane	93	8.019	8.019	0.000	98	981416	120.0	118.1	
115 Benzoic acid	105	8.067	8.019	0.048	88	2191427	360.0	379.2	a
114 2,4-Dichlorophenol	162	8.174	8.168	0.006	94	739200	120.0	119.0	
117 1,2,4-Trichlorobenzene	180	8.286	8.280	0.006	95	766200	120.0	117.1	
118 Naphthalene	128	8.382	8.382	0.000	99	2106774	120.0	104.2	
119 4-Chloroaniline	127	8.425	8.419	0.006	96	1076953	120.0	121.3	
122 2,6-Dichlorophenol	162	8.441	8.441	0.000	98	734518	120.0	118.0	
121 Hexachlorobutadiene	225	8.526	8.526	0.000	98	403893	120.0	119.4	
124 Caprolactam	113	8.836	8.815	0.021	77	290775	120.0	122.5	
129 4-Chloro-3-methylphenol	107	8.980	8.975	0.005	97	753230	120.0	123.5	
131 2-Methylnaphthalene	142	9.199	9.199	0.000	91	1568512	120.0	114.4	
251 1-Methylnaphthalene	142	9.322	9.322	0.000	93	1476027	120.0	115.8	
134 Hexachlorocyclopentadiene	237	9.397	9.392	0.005	97	511377	120.0	126.4	
135 1,2,4,5-Tetrachlorobenzene	216	9.408	9.402	0.006	98	702698	120.0	117.8	
137 2,4,6-Trichlorophenol	196	9.525	9.525	0.000	93	525388	120.0	126.8	
138 2,4,5-Trichlorophenol	196	9.573	9.568	0.005	95	545283	120.0	119.2	
140 1,1'-Biphenyl	154	9.750	9.744	0.006	98	1718870	120.0	115.6	
141 2-Chloronaphthalene	162	9.787	9.782	0.005	98	1469367	120.0	113.5	
143 2-Nitroaniline	65	9.883	9.878	0.005	85	492990	120.0	121.4	
146 Dimethyl phthalate	163	10.070	10.065	0.005	97	1583375	120.0	114.6	
148 1,3-Dinitrobenzene	168	10.113	10.108	0.005	88	329460	120.0	124.2	
149 2,6-Dinitrotoluene	165	10.145	10.140	0.005	96	442054	120.0	125.7	
150 Acenaphthylene	152	10.262	10.262	0.000	97	1967425	120.0	108.1	
151 3-Nitroaniline	138	10.342	10.337	0.005	96	482607	120.0	122.7	
152 Acenaphthene	153	10.455	10.449	0.006	89	1370767	120.0	112.9	
153 2,4-Dinitrophenol	184	10.455	10.449	0.006	74	527568	240.0	237.9	
154 4-Nitrophenol	109	10.503	10.498	0.005	93	556041	240.0	248.8	
156 2,4-Dinitrotoluene	165	10.594	10.588	0.006	94	586786	120.0	123.7	
155 Dibenzofuran	168	10.636	10.636	0.000	93	1842920	120.0	106.5	
158 2,3,4,6-Tetrachlorophenol	232	10.759	10.759	0.000	75	412242	120.0	123.1	
161 Diethyl phthalate	149	10.834	10.829	0.005	97	1548244	120.0	114.7	
256 Hexadecane	57	10.839	10.839	0.000	94	1203171	120.0	116.5	
163 4-Chlorophenyl phenyl ethe	204	10.978	10.973	0.005	96	811692	120.0	119.3	
164 4-Nitroaniline	138	11.000	10.989	0.011	64	511577	120.0	120.6	
162 Fluorene	166	11.000	10.994	0.006	93	1601414	120.0	113.2	
165 4,6-Dinitro-2-methylphenol	198	11.026	11.021	0.005	84	626712	240.0	236.0	
169 Diphenylamine	169	11.096	11.091	0.006	93	1249357	102.6	99.0	
168 N-Nitrosodiphenylamine	169	11.096	11.091	0.006	96	1249357	120.0	115.8	
170 1,2-Diphenylhydrazine	77	11.138	11.139	-0.001	96	1536323	120.0	116.7	
171 Azobenzene	77	11.138	11.139	-0.001	95	1536323	120.0	113.9	
175 4-Bromophenyl phenyl ether	248	11.470	11.470	0.000	68	456295	120.0	118.4	
179 Hexachlorobenzene	284	11.561	11.561	0.000	93	460696	120.0	115.7	
180 Atrazine	200	11.598	11.593	0.005	91	476380	120.0	123.7	
183 Pentachlorophenol	266	11.737	11.737	0.000	90	487215	240.0	230.7	
265 n-Octadecane	57	11.748	11.742	0.006	95	1207248	120.0	115.7	
188 Phenanthrene	178	11.951	11.945	0.005	97	1960936	120.0	100.5	
189 Anthracene	178	11.999	11.993	0.006	97	2011917	120.0	102.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
192 Carbazole	167	12.132	12.127	0.005	97	1917962	120.0	105.4	
195 Di-n-butyl phthalate	149	12.394	12.394	0.000	97	2099490	120.0	101.7	
201 Fluoranthene	202	13.035	13.035	0.000	96	2076995	120.0	103.2	
202 Benzidine	184	13.115	13.110	0.005	99	1137890	120.0	85.4	
204 Pyrene	202	13.243	13.243	0.000	94	2162250	120.0	100.8	
210 Butyl benzyl phthalate	149	13.724	13.724	0.000	98	1309954	120.0	120.6	
216 Bis(2-ethylhexyl) phthalat	149	14.200	14.200	0.000	95	1680989	120.0	116.7	
215 3,3'-Dichlorobenzidine	252	14.248	14.242	0.006	75	891346	120.0	115.1	
217 Benzo[a]anthracene	228	14.306	14.307	-0.001	98	2188624	120.0	103.7	
218 Chrysene	228	14.344	14.344	0.000	93	2031410	120.0	101.5	
220 Di-n-octyl phthalate	149	14.793	14.793	0.000	97	2595974	120.0	108.8	
221 Benzo[b]fluoranthene	252	15.418	15.412	0.006	98	2299967	120.0	109.2	
222 Benzo[k]fluoranthene	252	15.450	15.444	0.006	96	2526833	120.0	117.2	
225 Benzo[a]pyrene	252	15.824	15.824	0.000	80	2322797	120.0	115.0	
228 Dibenz(a,h)anthracene	278	17.490	17.474	0.016	89	2403099	120.0	119.9	
227 Indeno[1,2,3-cd]pyrene	276	17.496	17.480	0.016	95	2856186	120.0	121.9	
229 Benzo[g,h,i]perylene	276	17.987	17.971	0.016	96	2489739	120.0	122.4	
S 232 Total Cresols	1				0			242.5	
S 234 3 & 4 Methylphenol	108				0			121.1	
S 233 3-Methylphenol	1				0			121.1	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

MB_LIST1_WRK_00651	Amount Added: 1.00	Units: mL	
MB_INTSTD_STK_00055	Amount Added: 20.00	Units: uL	Run Reagent

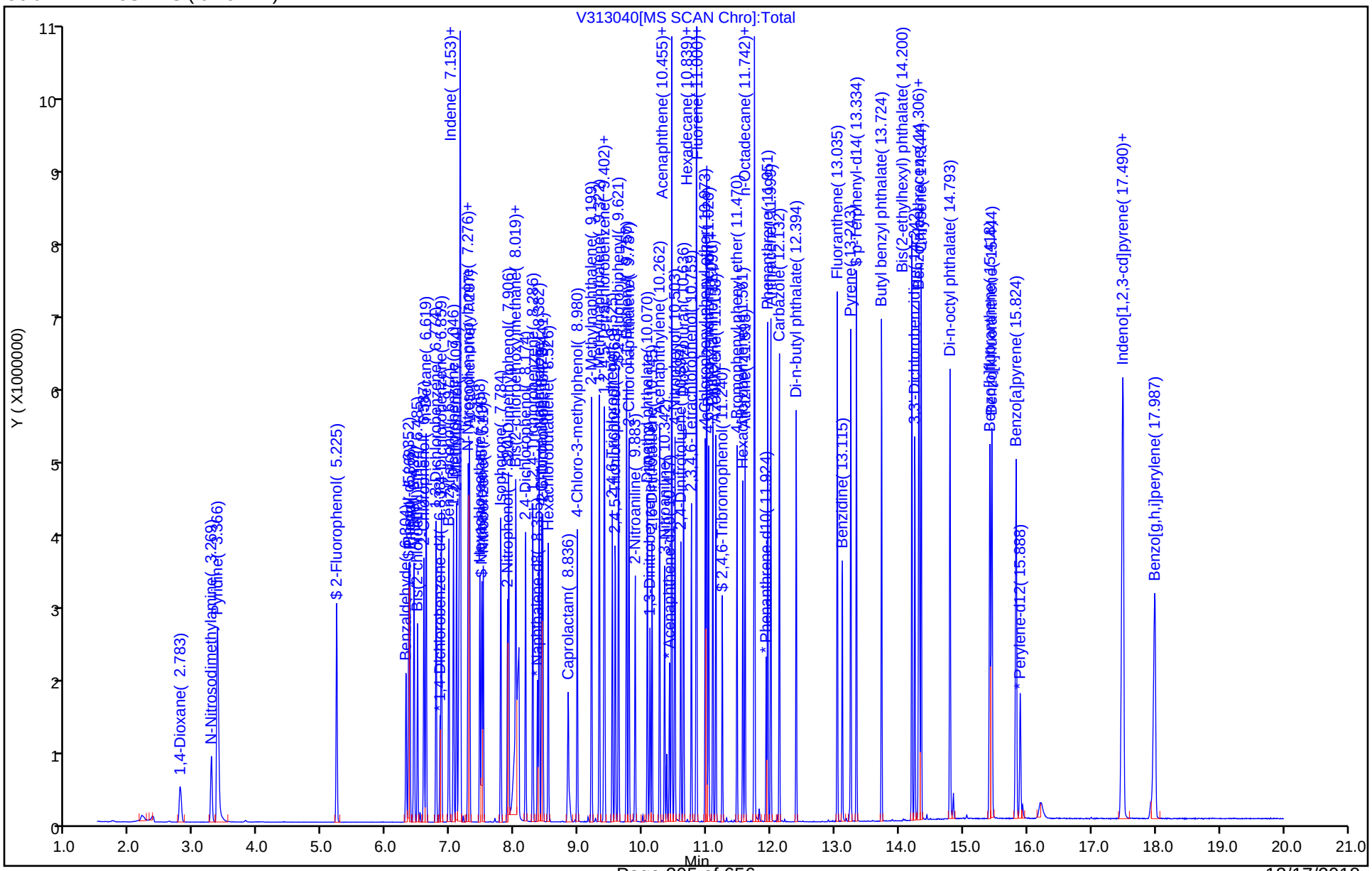
Report Date: 15-Nov-2018 13:08:02 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313040.D

Injection Date:	14-Nov-2018 18:14:30	Instrument ID:	HP5973V	Operator ID:	MKP
Lims ID:	IC - LIST1 120			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	V-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

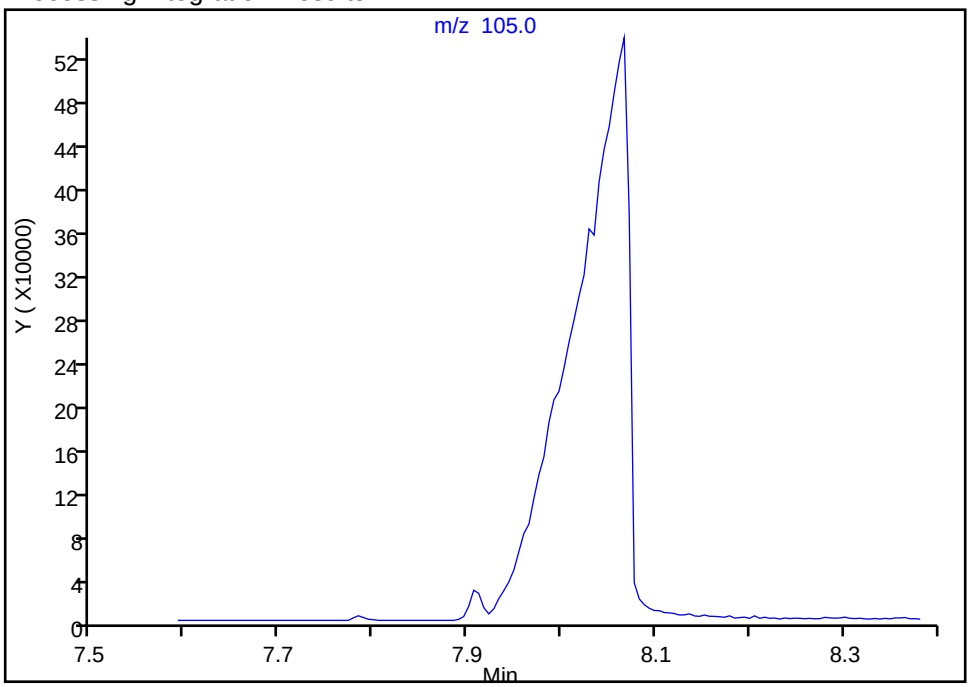
Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313040.D
Injection Date: 14-Nov-2018 18:14:30 Instrument ID: HP5973V
Lims ID: IC - LIST1 120
Client ID:
Operator ID: MKP ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: V-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

115 Benzoic acid, CAS: 65-85-0

Signal: 1

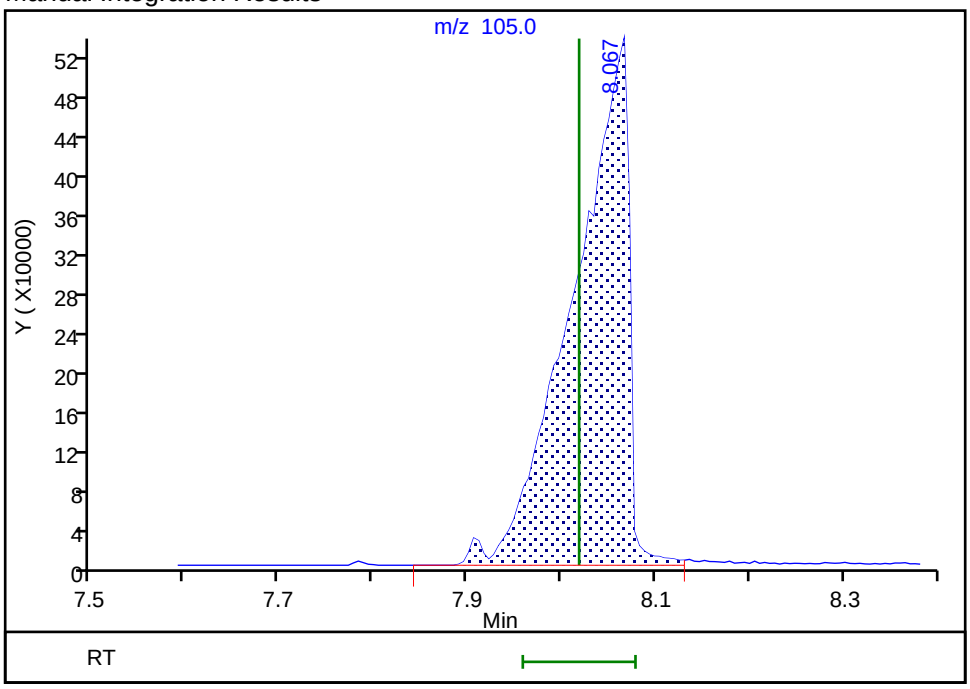
Not Detected
Expected RT: 8.02

Processing Integration Results



Manual Integration Results

RT: 8.07
Area: 2191427
Amount: 379.1891
Amount Units: ng/uL



Reviewer: quirkp, 15-Nov-2018 12:23:55
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313041.D
Lims ID: IC - LIST1 160
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 14-Nov-2018 18:42:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0076436-010
Operator ID: MKP Instrument ID: HP5973V
Sublist: chrom-V-8270*sub63

Method: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 15-Nov-2018 13:07:56 Calib Date: 14-Nov-2018 18:42:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313041.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0304

First Level Reviewer: quirkp Date: 15-Nov-2018 12:27:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.838	6.838	0.000	96	221828	40.0	40.0	
* 2 Naphthalene-d8	136	8.360	8.355	0.005	99	838453	40.0	40.0	
* 3 Acenaphthene-d10	164	10.417	10.412	0.005	95	425020	40.0	40.0	
* 4 Phenanthrene-d10	188	11.929	11.924	0.005	97	722336	40.0	40.0	
* 5 Chrysene-d12	240	14.322	14.317	0.005	98	684976	40.0	40.0	
* 6 Perylene-d12	264	15.893	15.888	0.005	97	714756	40.0	40.0	
$ 7 2-Fluorophenol	112	5.225	5.225	0.000	94	1324572	160.0	165.3	
$ 8 Phenol-d5	99	6.352	6.347	0.005	97	1533151	160.0	163.4	
$ 9 Nitrobenzene-d5	82	7.490	7.484	0.006	90	1340940	160.0	163.1	
$ 10 2-Fluorobiphenyl	172	9.627	9.621	0.006	95	2153664	160.0	138.6	
$ 11 2,4,6-Tribromophenol	330	11.245	11.240	0.005	93	333329	160.0	173.9	
$ 12 p-Terphenyl-d14	244	13.334	13.334	0.000	94	2022797	160.0	137.3	
68 1,4-Dioxane	88	2.788	2.783	0.005	98	507876	160.0	162.6	
69 N-Nitrosodimethylamine	42	3.275	3.269	0.006	92	699952	160.0	164.0	
70 Pyridine	52	3.371	3.366	0.005	86	2128284	320.0	329.1	
80 Benzaldehyde	77	6.309	6.304	0.005	92	445435	160.0	75.3	
81 Phenol	94	6.368	6.363	0.005	98	1411969	160.0	155.4	
82 Aniline	93	6.432	6.427	0.005	95	1734531	160.0	158.4	
83 Bis(2-chloroethyl)ether	93	6.491	6.485	0.006	95	1134045	160.0	158.1	
84 2-Chlorophenol	128	6.587	6.582	0.005	97	1262191	160.0	161.2	
263 n-Decane	57	6.624	6.619	0.005	91	1454173	160.0	153.1	
87 1,3-Dichlorobenzene	146	6.779	6.774	0.005	97	1313546	160.0	155.3	
88 1,4-Dichlorobenzene	146	6.859	6.859	0.000	91	1330708	160.0	154.8	
90 Benzyl alcohol	108	6.977	6.972	0.005	93	823567	160.0	166.5	
91 1,2-Dichlorobenzene	146	7.046	7.046	0.000	96	1265649	160.0	157.0	
92 2-Methylphenol	108	7.094	7.089	0.005	97	1094407	160.0	163.8	
93 2,2'-oxybis[1-chloropropan	45	7.137	7.132	0.005	94	1921126	160.0	153.4	
248 Indene	115	7.153	7.148	0.005	89	3446904	480.0	282.0	
96 4-Methylphenol	108	7.276	7.271	0.005	93	1136544	160.0	163.1	
95 N-Nitrosodi-n-propylamine	70	7.292	7.281	0.011	93	848951	160.0	167.6	
94 Acetophenone	105	7.303	7.298	0.005	94	1531541	160.0	155.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
99 Hexachloroethane	117	7.458	7.458	0.000	98	540748	160.0	165.0	
102 Nitrobenzene	77	7.516	7.506	0.010	90	1196895	160.0	159.3	
106 Isophorone	82	7.789	7.784	0.005	96	1981871	160.0	151.6	
107 2-Nitrophenol	139	7.890	7.891	0.000	97	688967	160.0	162.9	
108 2,4-Dimethylphenol	107	7.912	7.907	0.005	93	1169526	160.0	156.5	
115 Benzoic acid	105	8.093	8.019	0.074	89	3044341	480.0	520.6	a
111 Bis(2-chloroethoxy)methane	93	8.019	8.019	0.000	97	1307958	160.0	155.9	
114 2,4-Dichlorophenol	162	8.173	8.168	0.005	94	1015576	160.0	162.1	
117 1,2,4-Trichlorobenzene	180	8.286	8.280	0.006	95	1039218	160.0	157.4	
118 Naphthalene	128	8.387	8.382	0.005	98	2516592	160.0	123.4	
119 4-Chloroaniline	127	8.425	8.419	0.006	95	1430903	160.0	159.8	
122 2,6-Dichlorophenol	162	8.446	8.441	0.005	97	991882	160.0	158.0	
121 Hexachlorobutadiene	225	8.526	8.526	0.000	98	564645	160.0	165.4	
124 Caprolactam	113	8.852	8.815	0.037	77	408063	160.0	170.0	
129 4-Chloro-3-methylphenol	107	8.980	8.975	0.005	97	1020407	160.0	165.7	
131 2-Methylnaphthalene	142	9.205	9.199	0.005	89	1989558	160.0	143.8	
251 1-Methylnaphthalene	142	9.322	9.322	0.000	92	1859789	160.0	144.5	
134 Hexachlorocyclopentadiene	237	9.397	9.392	0.005	97	700190	160.0	170.7	
135 1,2,4,5-Tetrachlorobenzene	216	9.408	9.402	0.006	98	953304	160.0	157.7	
137 2,4,6-Trichlorophenol	196	9.525	9.525	0.000	93	698585	160.0	166.3	
138 2,4,5-Trichlorophenol	196	9.573	9.568	0.005	95	753541	160.0	162.3	
140 1,1'-Biphenyl	154	9.749	9.744	0.005	97	2109107	160.0	140.1	
141 2-Chloronaphthalene	162	9.787	9.782	0.005	98	1864491	160.0	142.1	
143 2-Nitroaniline	65	9.883	9.878	0.005	85	679930	160.0	164.9	
146 Dimethyl phthalate	163	10.075	10.065	0.010	95	1990201	160.0	142.1	
148 1,3-Dinitrobenzene	168	10.118	10.108	0.010	91	451005	160.0	168.2	
149 2,6-Dinitrotoluene	165	10.150	10.140	0.010	96	594742	160.0	166.8	
150 Acenaphthylene	152	10.262	10.262	0.000	95	2364726	160.0	128.2	
151 3-Nitroaniline	138	10.342	10.337	0.005	95	650195	160.0	162.9	
153 2,4-Dinitrophenol	184	10.460	10.449	0.011	81	752618	320.0	333.4	
152 Acenaphthene	153	10.455	10.449	0.006	94	1758500	160.0	142.9	
154 4-Nitrophenol	109	10.508	10.498	0.010	95	749009	320.0	330.0	
156 2,4-Dinitrotoluene	165	10.599	10.588	0.011	95	790968	160.0	164.4	
155 Dibenzofuran	168	10.642	10.636	0.006	92	2244021	160.0	127.9	
158 2,3,4,6-Tetrachlorophenol	232	10.759	10.759	0.000	78	571723	160.0	168.3	
161 Diethyl phthalate	149	10.839	10.829	0.010	97	1948219	160.0	142.4	
256 Hexadecane	57	10.839	10.839	0.000	96	1541219	160.0	147.2	
163 4-Chlorophenyl phenyl ethe	204	10.978	10.973	0.005	94	1088868	160.0	157.8	
164 4-Nitroaniline	138	11.005	10.989	0.016	86	707344	160.0	164.3	
162 Fluorene	166	11.000	10.994	0.006	92	1998772	160.0	139.3	
165 4,6-Dinitro-2-methylphenol	198	11.032	11.021	0.011	82	870570	320.0	328.4	
168 N-Nitrosodiphenylamine	169	11.096	11.091	0.006	94	1615480	160.0	150.5	
169 Diphenylamine	169	11.096	11.091	0.006	91	1615480	136.8	128.7	
171 Azobenzene	77	11.144	11.139	0.005	92	1904442	160.0	142.0	
170 1,2-Diphenylhydrazine	77	11.144	11.139	0.005	92	1904442	160.0	142.8	
175 4-Bromophenyl phenyl ether	248	11.475	11.470	0.005	68	623730	160.0	162.7	
179 Hexachlorobenzene	284	11.566	11.561	0.005	94	628605	160.0	158.7	
180 Atrazine	200	11.598	11.593	0.005	91	635348	160.0	162.7	
183 Pentachlorophenol	266	11.742	11.737	0.005	91	682647	320.0	324.4	
265 n-Octadecane	57	11.747	11.742	0.005	96	1547150	160.0	149.0	
188 Phenanthrene	178	11.950	11.945	0.005	95	2354803	160.0	121.3	
189 Anthracene	178	11.999	11.993	0.005	94	2362593	160.0	121.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
192 Carbazole	167	12.132	12.127	0.005	95	2304201	160.0	127.2	
195 Di-n-butyl phthalate	149	12.394	12.394	0.000	96	2432595	160.0	118.5	
201 Fluoranthene	202	13.035	13.035	0.000	93	2464536	160.0	123.1	
202 Benzidine	184	13.115	13.110	0.005	99	1284506	160.0	97.4	
204 Pyrene	202	13.249	13.243	0.006	85	2523759	160.0	118.8	
210 Butyl benzyl phthalate	149	13.729	13.724	0.005	97	1625898	160.0	151.2	
216 Bis(2-ethylhexyl) phthalat	149	14.200	14.200	0.000	89	2052216	160.0	144.0	
215 3,3'-Dichlorobenzidine	252	14.248	14.242	0.006	75	1170654	160.0	152.7	
217 Benzo[a]anthracene	228	14.306	14.307	-0.001	93	2653985	160.0	127.0	
218 Chrysene	228	14.344	14.344	0.000	89	2437461	160.0	123.1	
220 Di-n-octyl phthalate	149	14.792	14.793	-0.001	95	3129582	160.0	132.5	
221 Benzo[b]fluoranthene	252	15.423	15.412	0.011	95	3010041	160.0	144.5	
222 Benzo[k]fluoranthene	252	15.450	15.444	0.006	92	3006538	160.0	141.0	
225 Benzo[a]pyrene	252	15.829	15.824	0.005	81	2947719	160.0	147.5	
228 Dibenz(a,h)anthracene	278	17.496	17.474	0.022	91	3204251	160.0	161.7	
227 Indeno[1,2,3-cd]pyrene	276	17.506	17.480	0.026	97	3821313	160.0	165.0	
229 Benzo[g,h,i]perylene	276	17.998	17.971	0.027	97	3390941	160.0	168.6	
S 232 Total Cresols	1				0			326.9	
S 233 3-Methylphenol	1				0			163.1	
S 234 3 & 4 Methylphenol	108				0			163.1	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

MB_LIST1_WRK_00652	Amount Added: 1.00	Units: mL	
MB_INTSTD_STK_00055	Amount Added: 20.00	Units: uL	Run Reagent

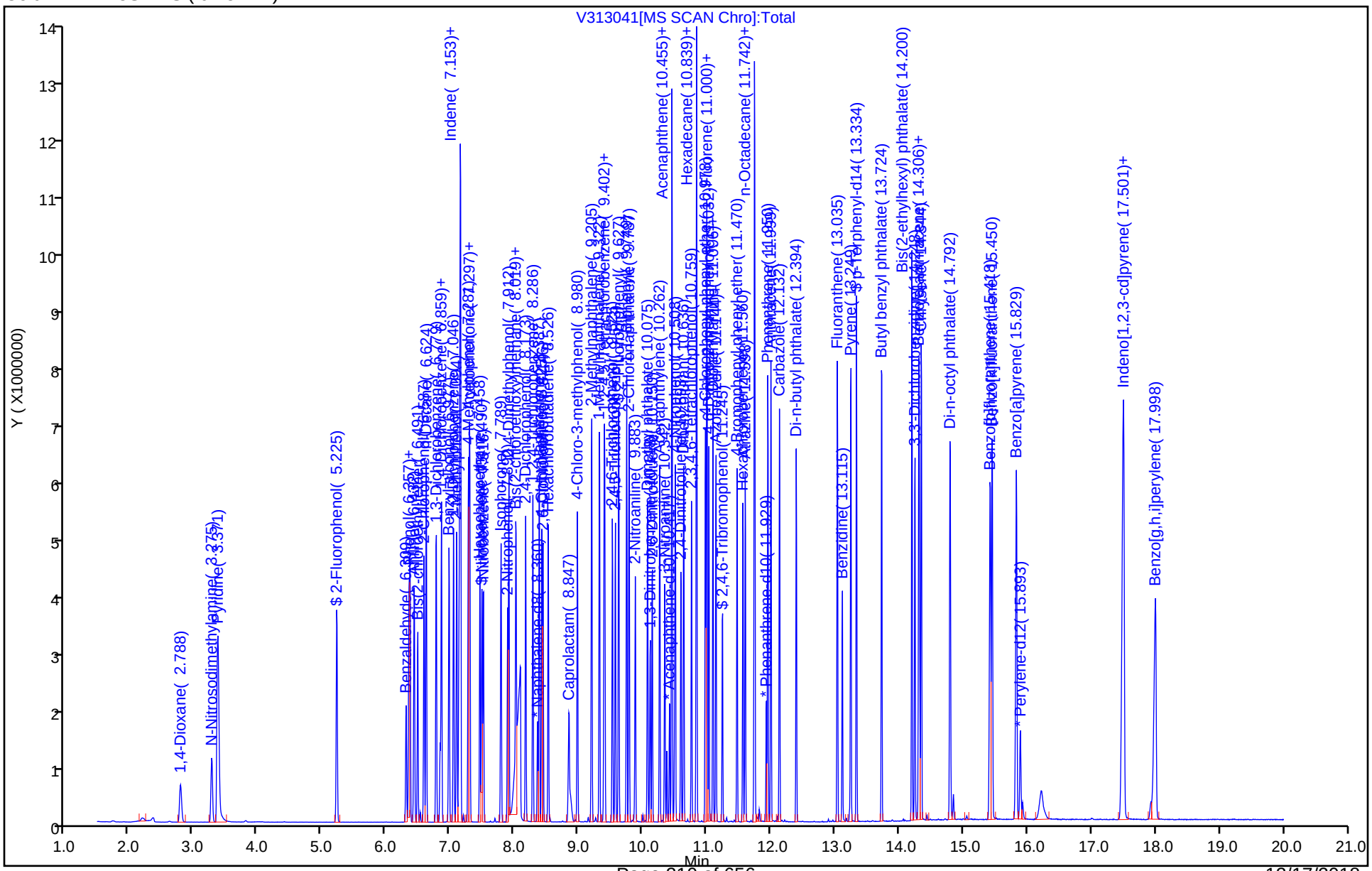
Report Date: 15-Nov-2018 13:07:57 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313041.D

Injection Date:	14-Nov-2018 18:42:30	Instrument ID:	HP5973V	Operator ID:	MKP
Lims ID:	IC - LIST1 160			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	V-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

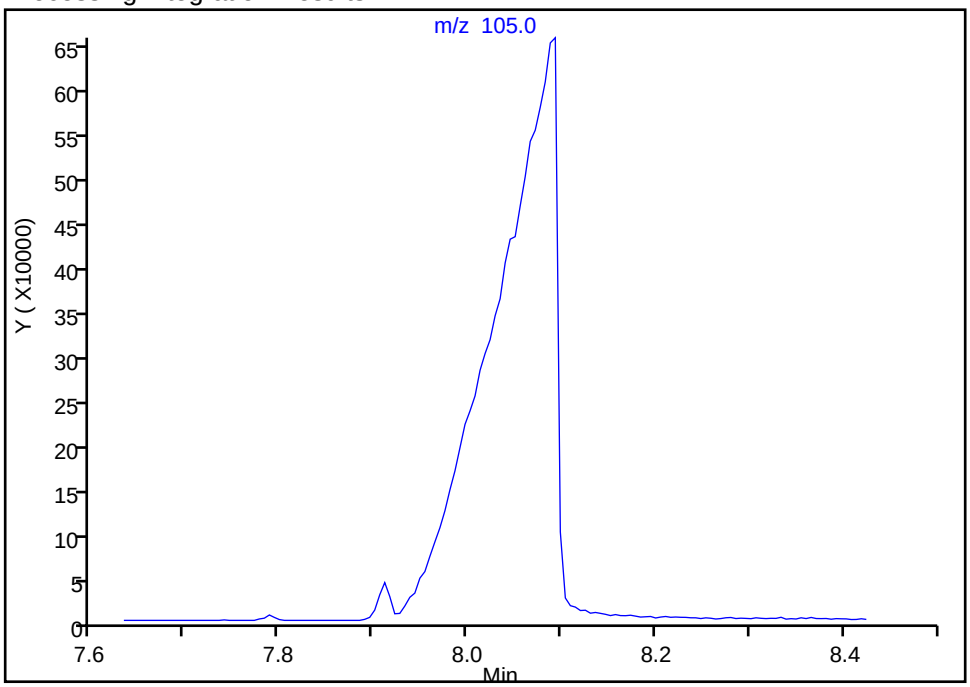
Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313041.D
Injection Date: 14-Nov-2018 18:42:30 Instrument ID: HP5973V
Lims ID: IC - LIST1 160
Client ID:
Operator ID: MKP ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: V-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

115 Benzoic acid, CAS: 65-85-0

Signal: 1

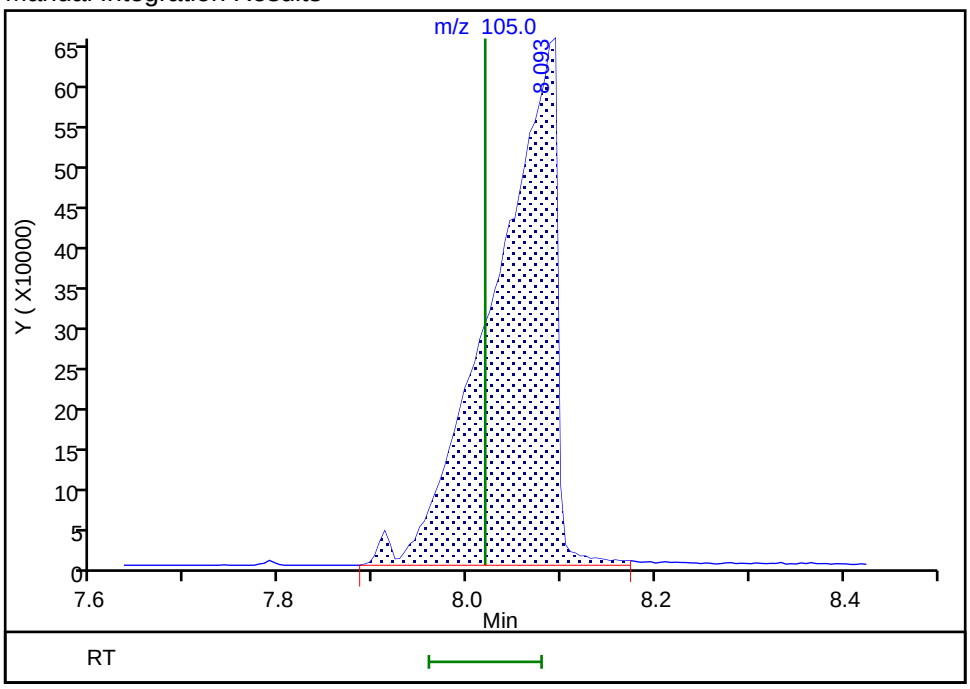
Not Detected
Expected RT: 8.02

Processing Integration Results



Manual Integration Results

RT: 8.09
Area: 3044341
Amount: 520.6408
Amount Units: ng/uL



Reviewer: quirkp, 15-Nov-2018 12:26:17
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Lab Sample ID (1): CCVIS 480-446419/4 Instrument ID (1): HP5973V

GC Column (1): RXI-5Sil MS ID: 0.25(mm) Date Analyzed (1): 11/19/2018 13:31

ANALYTE	RT	RESOLUTION (%)
Benzo(b)fluoranthene	15.43	32.70

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Lab Sample ID (1): CCVIS 480-446676/3 Instrument ID (1): HP5973V

GC Column (1): RXI-5Sil MS ID: 0.25(mm) Date Analyzed (1): 11/20/2018 15:04

ANALYTE	RT	RESOLUTION (%)
Benzo(b)fluoranthene	15.42	35.60

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Lab Sample ID: CCVIS 480-446419/4 Calibration Date: 11/19/2018 13:31

Instrument ID: HP5973V Calib Start Date: 11/14/2018 15:29

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 11/14/2018 18:42

Lab File ID: V313108.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5633	0.5478	0.0100	48600	50000	-2.7	20.0
N-Nitrosodimethylamine	Ave	0.7694	0.7870	0.0100	51100	50000	2.3	50.0
Pyridine	Ave	1.166	1.133	0.0100	97100	100000	-2.9	50.0
Benzaldehyde	Ave	1.066	1.018	0.0100	47700	50000	-4.6	50.0
Phenol	Ave	1.638	1.604	0.8000	48900	50000	-2.1	20.0
Aniline	Ave	1.975	1.953	0.0100	49400	50000	-1.1	20.0
Bis(2-chloroethyl)ether	Ave	1.293	1.257	0.7000	48600	50000	-2.8	20.0
2-Chlorophenol	Ave	1.412	1.409	0.8000	49900	50000	-0.2	20.0
n-Decane	Ave	1.712	1.725	0.0100	50400	50000	0.8	20.0
1,3-Dichlorobenzene	Ave	1.526	1.526	0.0100	50000	50000	0.0	20.0
1,4-Dichlorobenzene	Ave	1.550	1.530	0.0100	49300	50000	-1.3	20.0
Benzyl alcohol	Ave	0.8917	0.8934	0.0100	50100	50000	0.2	20.0
1,2-Dichlorobenzene	Ave	1.453	1.441	0.0100	49600	50000	-0.9	20.0
2-Methylphenol	Ave	1.205	1.182	0.7000	49000	50000	-1.9	20.0
bis (2-chloroisopropyl) ether	Ave	2.259	2.188	0.0100	48400	50000	-3.1	20.0
Indene	Ave	0.5831	0.5499	0.0100	141000	150000	-5.7	20.0
4-Methylphenol	Ave	1.256	1.255	0.6000	49900	50000	-0.1	20.0
N-Nitrosodi-n-propylamine	Ave	0.9133	0.9119	0.5000	49900	50000	-0.2	20.0
Acetophenone	Ave	1.779	1.785	0.0100	50200	50000	0.3	20.0
Hexachloroethane	Ave	0.5908	0.6060	0.3000	51300	50000	2.6	20.0
Nitrobenzene	Ave	0.3584	0.3550	0.2000	49500	50000	-0.9	20.0
Isophorone	Ave	0.6235	0.6284	0.4000	50400	50000	0.8	20.0
2-Nitrophenol	Lin2		0.1883	0.1000	46900	50000	-6.2	20.0
2,4-Dimethylphenol	Ave	0.3565	0.3625	0.2000	50800	50000	1.7	20.0
Bis(2-chloroethoxy)methane	Ave	0.4001	0.3926	0.3000	49100	50000	-1.9	20.0
Benzoic acid	Lin2		0.2341	0.0100	129000	150000	-14.2	50.0
2,4-Dichlorophenol	Ave	0.2990	0.2978	0.2000	49800	50000	-0.4	20.0
1,2,4-Trichlorobenzene	Ave	0.3150	0.3103	0.0100	49200	50000	-1.5	20.0
Naphthalene	Ave	0.9729	0.9888	0.7000	50800	50000	1.6	20.0
4-Chloroaniline	Ave	0.4272	0.4400	0.0100	51500	50000	3.0	20.0
2,6-Dichlorophenol	Ave	0.2996	0.2973	0.0100	49600	50000	-0.8	20.0
Hexachlorobutadiene	Ave	0.1628	0.1654	0.0100	50800	50000	1.5	20.0
Caprolactam	Lin2		0.1019	0.0100	45000	50000	-9.9	50.0
4-Chloro-3-methylphenol	Ave	0.2937	0.2979	0.2000	50700	50000	1.4	20.0
2-Methylnaphthalene	Ave	0.6601	0.6769	0.4000	51300	50000	2.5	20.0
1-Methylnaphthalene	Ave	0.6139	0.6244	0.0100	50900	50000	1.7	20.0
Hexachlorocyclopentadiene	Ave	0.3861	0.4139	0.0500	53600	50000	7.2	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5690	0.5813	0.0100	51100	50000	2.2	20.0
2,4,6-Trichlorophenol	Ave	0.3953	0.4207	0.2000	53200	50000	6.4	20.0
2,4,5-Trichlorophenol	Lin2		0.4390	0.2000	50700	50000	1.3	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Lab Sample ID: CCVIS 480-446419/4 Calibration Date: 11/19/2018 13:31

Instrument ID: HP5973V Calib Start Date: 11/14/2018 15:29

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 11/14/2018 18:42

Lab File ID: V313108.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Biphenyl	Lin2		1.542	0.0100	54200	50000	8.3	20.0
2-Chloronaphthalene	Ave	1.235	1.281	0.8000	51900	50000	3.7	20.0
2-Nitroaniline	Lin2		0.3951	0.0100	51200	50000	2.4	20.0
Dimethyl phthalate	Ave	1.318	1.419	0.0100	53900	50000	7.7	20.0
1,3-Dinitrobenzene	Lin2		0.1205	0.0100	47700	50000	-4.5	20.0
2,6-Dinitrotoluene	Ave	0.3356	0.3455	0.2000	51500	50000	3.0	20.0
Acenaphthylene	Ave	1.736	1.856	0.9000	53400	50000	6.9	20.0
3-Nitroaniline	Lin2		0.3734	0.0100	50000	50000	-0.0	20.0
2,4-Dinitrophenol	Lin1		0.1885	0.0100	91200	100000	-8.8	20.0
Acenaphthene	Ave	1.158	1.199	0.9000	51800	50000	3.5	20.0
4-Nitrophenol	Lin2		0.2174	0.0100	103000	100000	3.0	20.0
2,4-Dinitrotoluene	Lin2		0.4584	0.2000	50900	50000	1.8	20.0
Dibenzofuran	Ave	1.651	1.745	0.8000	52800	50000	5.7	20.0
2,3,4,6-Tetrachlorophenol	Lin2		0.3112	0.0100	48900	50000	-2.1	20.0
Diethyl phthalate	Ave	1.288	1.356	0.0100	52600	50000	5.2	20.0
Hexadecane	Ave	0.9854	1.030	0.0100	52300	50000	4.6	20.0
4-Chlorophenyl phenyl ether	Ave	0.6492	0.6556	0.4000	50500	50000	1.0	20.0
4-Nitroaniline	Lin2		0.3924	0.0100	48600	50000	-2.7	20.0
Fluorene	Ave	1.350	1.420	0.9000	52600	50000	5.2	20.0
4,6-Dinitro-2-methylphenol	Lin1		0.1321	0.0100	91900	100000	-8.1	20.0
Diphenylamine	Ave	0.6951	0.7155	0.0100	44000	42800	2.9	20.0
N-Nitrosodiphenylamine	Ave	0.5943	0.6117	0.0100	51500	50000	2.9	20.0
1,2-Diphenylhydrazine	Lin2		1.374	0.0100	54600	50000	9.1	20.0
trans-Azobenzene	Lin2		0.8155	0.0100	54700	50000	9.4	20.0
4-Bromophenyl phenyl ether	Ave	0.2124	0.2099	0.1000	49400	50000	-1.2	20.0
Hexachlorobenzene	Ave	0.2194	0.2199	0.1000	50100	50000	0.2	20.0
Atrazine	Ave	0.3675	0.3830	0.0100	52100	50000	4.2	20.0
Pentachlorophenol	Lin2		0.1146	0.0500	99100	100000	-0.9	20.0
n-Octadecane	Ave	0.5751	0.6203	0.0100	53900	50000	7.9	20.0
Phenanthrene	Ave	1.075	1.112	0.7000	51700	50000	3.5	20.0
Anthracene	Ave	1.078	1.159	0.7000	53800	50000	7.5	20.0
Carbazole	Ave	1.003	1.077	0.0100	53700	50000	7.4	20.0
Di-n-butyl phthalate	Ave	1.137	1.272	0.0100	56000	50000	11.9	20.0
Fluoranthene	Ave	1.109	1.184	0.6000	53400	50000	6.8	20.0
Benzidine	Ave	0.7704	0.7964	0.0100	51700	50000	3.4	50.0
Pyrene	Ave	1.240	1.335	0.6000	53800	50000	7.7	20.0
Butyl benzyl phthalate	Lin2		0.6713	0.0100	53500	50000	7.1	20.0
Bis(2-ethylhexyl) phthalate	Lin2		0.9264	0.0100	55600	50000	11.3	20.0
3,3'-Dichlorobenzidine	Lin2		0.4744	0.0100	53000	50000	6.1	50.0
Benzo(a)anthracene	Ave	1.220	1.233	0.8000	50500	50000	1.1	20.0
Chrysene	Ave	1.157	1.176	0.7000	50800	50000	1.7	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Lab Sample ID: CCVIS 480-446419/4 Calibration Date: 11/19/2018 13:31

Instrument ID: HP5973V Calib Start Date: 11/14/2018 15:29

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 11/14/2018 18:42

Lab File ID: V313108.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Di-n-octyl phthalate	Ave	1.379	1.575	0.0100	57100	50000	14.2	20.0
Benzo(b)fluoranthene	Ave	1.166	1.203	0.7000	51600	50000	3.2	20.0
Benzo(k)fluoranthene	Ave	1.194	1.276	0.7000	53400	50000	6.9	20.0
Benzo(a)pyrene	Ave	1.118	1.170	0.7000	52300	50000	4.6	20.0
Dibenz(a,h)anthracene	Ave	1.109	1.098	0.4000	49500	50000	-1.0	20.0
Indeno(1,2,3-cd)pyrene	Ave	1.296	1.333	0.5000	51400	50000	2.9	20.0
Benzo(g,h,i)perylene	Ave	1.126	1.118	0.5000	49700	50000	-0.7	20.0
2-Fluorophenol	Ave	1.445	1.376	0.0100	47600	50000	-4.8	20.0
Phenol-d5	Ave	1.692	1.615	0.0100	47700	50000	-4.6	20.0
Nitrobenzene-d5	Ave	0.3922	0.3766	0.0100	48000	50000	-4.0	20.0
2-Fluorobiphenyl	Ave	1.462	1.460	0.0100	49900	50000	-0.2	20.0
2,4,6-Tribromophenol	Ave	0.1061	0.1029	0.0100	48500	50000	-3.0	20.0
p-Terphenyl-d14	Ave	0.8601	0.8709	0.0100	50600	50000	1.3	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181119-76580.b\V313108.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 19-Nov-2018 13:31:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0076580-004
Operator ID: PJQ Instrument ID: HP5973V
Sublist: chrom-V-8270*sub63

Method: \\ChromNA\Buffalo\ChromData\HP5973V\20181119-76580.b\V-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 19-Nov-2018 13:55:40 Calib Date: 14-Nov-2018 18:42:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313041.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0324

First Level Reviewer: quirkp Date: 19-Nov-2018 13:55:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.840	6.840	0.000	96	218543	40.0	40.0	
* 2 Naphthalene-d8	136	8.357	8.357	0.000	100	809812	40.0	40.0	
* 3 Acenaphthene-d10	164	10.419	10.419	0.000	95	395903	40.0	40.0	
* 4 Phenanthrene-d10	188	11.931	11.931	0.000	97	667231	40.0	40.0	
* 5 Chrysene-d12	240	14.324	14.324	0.000	99	615650	40.0	40.0	
* 6 Perylene-d12	264	15.900	15.900	0.000	97	588395	40.0	40.0	
$ 7 2-Fluorophenol	112	5.221	5.221	0.000	94	375990	50.0	47.6	
$ 8 Phenol-d5	99	6.348	6.348	0.000	98	441124	50.0	47.7	
$ 9 Nitrobenzene-d5	82	7.486	7.486	0.000	91	381174	50.0	48.0	
$ 10 2-Fluorobiphenyl	172	9.623	9.623	0.000	100	722558	50.0	49.9	
$ 11 2,4,6-Tribromophenol	330	11.242	11.242	0.000	90	85836	50.0	48.5	
$ 12 p-Terphenyl-d14	244	13.336	13.336	0.000	99	670235	50.0	50.6	
68 1,4-Dioxane	88	2.774	2.774	0.000	97	149653	50.0	48.6	
69 N-Nitrosodimethylamine	42	3.260	3.260	0.000	89	214991	50.0	51.1	
70 Pyridine	52	3.357	3.357	0.000	87	618892	100.0	97.1	
80 Benzaldehyde	77	6.305	6.305	0.000	92	277972	50.0	47.7	
81 Phenol	94	6.364	6.364	0.000	99	438144	50.0	48.9	
82 Aniline	93	6.428	6.428	0.000	97	533502	50.0	49.4	
83 Bis(2-chloroethyl)ether	93	6.487	6.487	0.000	95	343486	50.0	48.6	
84 2-Chlorophenol	128	6.583	6.583	0.000	98	384976	50.0	49.9	
263 n-Decane	57	6.621	6.621	0.000	92	471366	50.0	50.4	
87 1,3-Dichlorobenzene	146	6.776	6.776	0.000	98	416977	50.0	50.0	
88 1,4-Dichlorobenzene	146	6.856	6.856	0.000	94	417910	50.0	49.3	
90 Benzyl alcohol	108	6.973	6.973	0.000	93	244043	50.0	50.1	
91 1,2-Dichlorobenzene	146	7.048	7.048	0.000	97	393570	50.0	49.6	
92 2-Methylphenol	108	7.091	7.091	0.000	98	322809	50.0	49.0	
93 2,2'-oxybis[1-chloropropan	45	7.133	7.133	0.000	94	597789	50.0	48.4	
248 Indene	115	7.150	7.150	0.000	91	1669896	150.0	141.5	
96 4-Methylphenol	108	7.272	7.272	0.000	95	342894	50.0	49.9	
95 N-Nitrosodi-n-propylamine	70	7.283	7.283	0.000	92	249116	50.0	49.9	
94 Acetophenone	105	7.299	7.299	0.000	96	487625	50.0	50.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
99 Hexachloroethane	117	7.459	7.459	0.000	96	165537	50.0	51.3	
102 Nitrobenzene	77	7.507	7.507	0.000	90	359376	50.0	49.5	
106 Isophorone	82	7.780	7.780	0.000	98	636125	50.0	50.4	
107 2-Nitrophenol	139	7.892	7.892	0.000	95	190590	50.0	46.9	
108 2,4-Dimethylphenol	107	7.908	7.908	0.000	95	366968	50.0	50.8	
111 Bis(2-chloroethoxy)methane	93	8.020	8.020	0.000	99	397360	50.0	49.1	
115 Benzoic acid	105	8.026	8.026	0.000	89	710749	150.0	128.6	
114 2,4-Dichlorophenol	162	8.170	8.170	0.000	95	301431	50.0	49.8	
117 1,2,4-Trichlorobenzene	180	8.282	8.282	0.000	95	314059	50.0	49.2	
118 Naphthalene	128	8.384	8.384	0.000	98	1000946	50.0	50.8	
119 4-Chloroaniline	127	8.421	8.421	0.000	97	445395	50.0	51.5	
122 2,6-Dichlorophenol	162	8.442	8.442	0.000	97	300927	50.0	49.6	
121 Hexachlorobutadiene	225	8.528	8.528	0.000	98	167375	50.0	50.8	
124 Caprolactam	113	8.822	8.822	0.000	76	103141	50.0	45.0	
129 4-Chloro-3-methylphenol	107	8.977	8.977	0.000	97	301551	50.0	50.7	
131 2-Methylnaphthalene	142	9.201	9.201	0.000	92	685152	50.0	51.3	
251 1-Methylnaphthalene	142	9.324	9.324	0.000	93	632065	50.0	50.9	
134 Hexachlorocyclopentadiene	237	9.393	9.393	0.000	97	204837	50.0	53.6	
135 1,2,4,5-Tetrachlorobenzene	216	9.404	9.404	0.000	98	287681	50.0	51.1	
137 2,4,6-Trichlorophenol	196	9.527	9.527	0.000	93	208212	50.0	53.2	
138 2,4,5-Trichlorophenol	196	9.570	9.570	0.000	95	217270	50.0	50.7	
140 1,1'-Biphenyl	154	9.746	9.746	0.000	95	763189	50.0	54.2	
141 2-Chloronaphthalene	162	9.783	9.783	0.000	96	633701	50.0	51.9	
143 2-Nitroaniline	65	9.879	9.879	0.000	85	195541	50.0	51.2	
146 Dimethyl phthalate	163	10.072	10.072	0.000	99	702329	50.0	53.9	
148 1,3-Dinitrobenzene	168	10.114	10.114	0.000	90	121941	50.0	47.7	
149 2,6-Dinitrotoluene	165	10.146	10.146	0.000	96	170994	50.0	51.5	
150 Acenaphthylene	152	10.264	10.264	0.000	98	918460	50.0	53.4	
151 3-Nitroaniline	138	10.339	10.339	0.000	94	184770	50.0	50.0	
153 2,4-Dinitrophenol	184	10.456	10.456	0.000	69	186592	100.0	91.2	
152 Acenaphthene	153	10.456	10.456	0.000	88	593416	50.0	51.8	
154 4-Nitrophenol	109	10.499	10.499	0.000	96	215182	100.0	103.0	
156 2,4-Dinitrotoluene	165	10.595	10.595	0.000	95	226864	50.0	50.9	
155 Dibenzofuran	168	10.638	10.638	0.000	96	863627	50.0	52.8	
158 2,3,4,6-Tetrachlorophenol	232	10.761	10.761	0.000	76	154025	50.0	48.9	
161 Diethyl phthalate	149	10.830	10.830	0.000	98	670842	50.0	52.6	
256 Hexadecane	57	10.841	10.841	0.000	92	509910	50.0	52.3	
163 4-Chlorophenyl phenyl ethe	204	10.975	10.975	0.000	98	324460	50.0	50.5	
164 4-Nitroaniline	138	10.991	10.991	0.000	86	194186	50.0	48.6	
162 Fluorene	166	11.001	11.001	0.000	94	702670	50.0	52.6	
165 4,6-Dinitro-2-methylphenol	198	11.028	11.028	0.000	82	220327	100.0	91.9	
168 N-Nitrosodiphenylamine	169	11.092	11.092	0.000	97	510196	50.0	51.5	
169 Diphenylamine	169	11.092	11.092	0.000	95	510196	42.8	44.0	
171 Azobenzene	77	11.140	11.140	0.000	99	680161	50.0	54.7	
170 1,2-Diphenylhydrazine	77	11.140	11.140	0.000	98	680161	50.0	54.6	
175 4-Bromophenyl phenyl ether	248	11.471	11.471	0.000	70	175064	50.0	49.4	
179 Hexachlorobenzene	284	11.562	11.562	0.000	94	183396	50.0	50.1	
180 Atrazine	200	11.594	11.594	0.000	91	189519	50.0	52.1	
183 Pentachlorophenol	266	11.738	11.738	0.000	90	191091	100.0	99.1	
265 n-Octadecane	57	11.749	11.749	0.000	93	517334	50.0	53.9	
188 Phenanthrene	178	11.952	11.952	0.000	98	927347	50.0	51.7	
189 Anthracene	178	12.000	12.000	0.000	98	966903	50.0	53.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
192 Carbazole	167	12.134	12.134	0.000	96	898495	50.0	53.7	
195 Di-n-butyl phthalate	149	12.396	12.396	0.000	100	1061121	50.0	56.0	
201 Fluoranthene	202	13.037	13.037	0.000	98	987800	50.0	53.4	
202 Benzidine	184	13.117	13.117	0.000	99	612875	50.0	51.7	
204 Pyrene	202	13.250	13.250	0.000	98	1027678	50.0	53.8	
210 Butyl benzyl phthalate	149	13.731	13.731	0.000	97	516621	50.0	53.5	
216 Bis(2-ethylhexyl) phthalat	149	14.201	14.201	0.000	97	712891	50.0	55.6	
215 3,3'-Dichlorobenzidine	252	14.249	14.249	0.000	75	365039	50.0	53.0	
217 Benzo[a]anthracene	228	14.313	14.313	0.000	99	948894	50.0	50.5	
218 Chrysene	228	14.345	14.345	0.000	97	904834	50.0	50.8	
220 Di-n-octyl phthalate	149	14.800	14.800	0.000	99	1211841	50.0	57.1	
221 Benzo[b]fluoranthene	252	15.425	15.425	0.000	98	884796	50.0	51.6	
222 Benzo[k]fluoranthene	252	15.451	15.451	0.000	99	938316	50.0	53.4	
225 Benzo[a]pyrene	252	15.831	15.831	0.000	78	860593	50.0	52.3	
228 Dibenz(a,h)anthracene	278	17.492	17.492	0.000	90	807336	50.0	49.5	
227 Indeno[1,2,3-cd]pyrene	276	17.497	17.497	0.000	98	980544	50.0	51.4	
229 Benzo[g,h,i]perylene	276	17.994	17.994	0.000	96	822568	50.0	49.7	

Reagents:

MB_LIST1_WRK_00653	Amount Added: 1.00	Units: mL	
MB_INTSTD_STK_00055	Amount Added: 20.00	Units: uL	Run Reagent

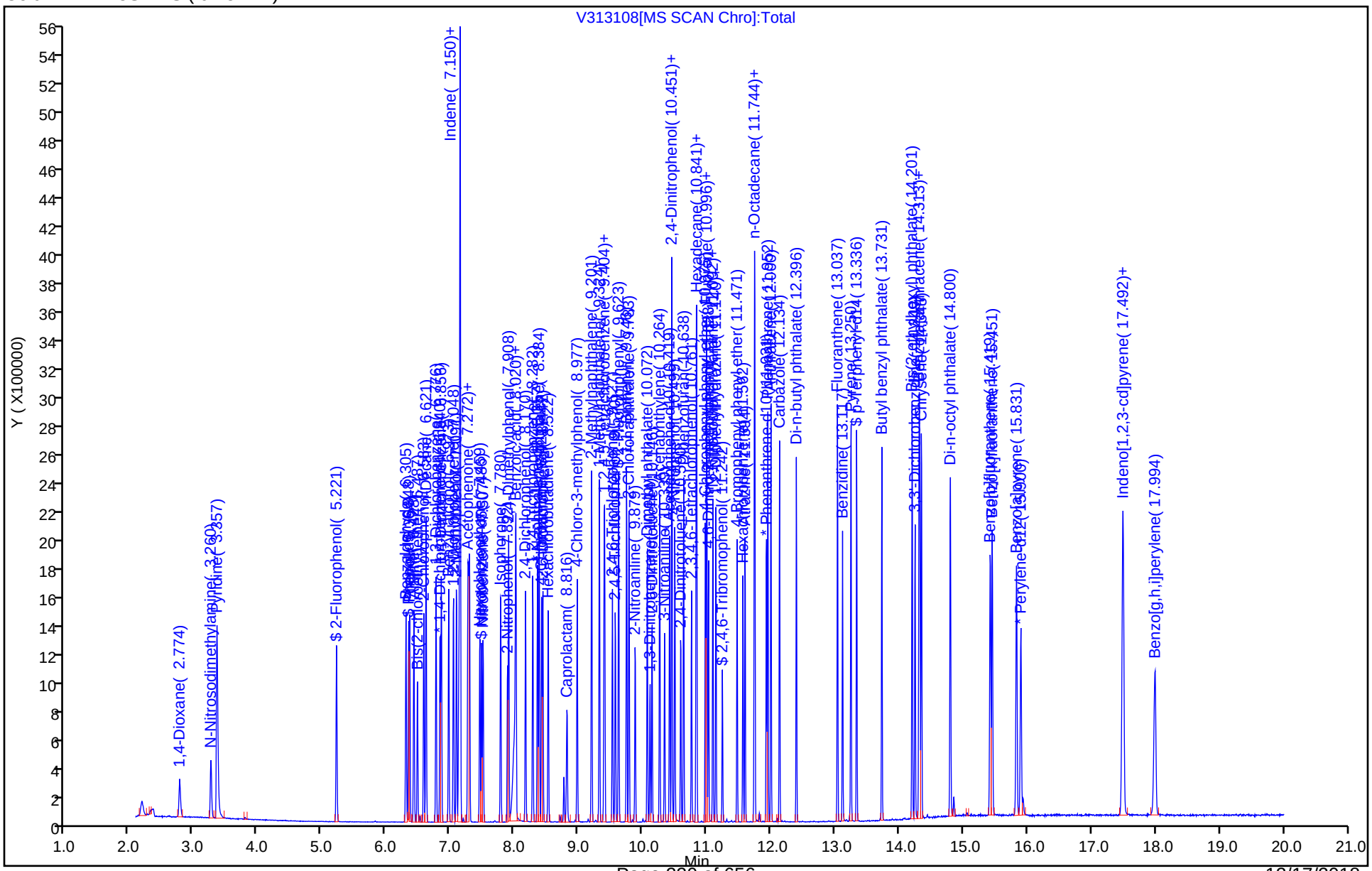
Report Date: 19-Nov-2018 13:55:41 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181119-76580.b\V313108.D

Injection Date:	19-Nov-2018 13:31:30	Instrument ID:	HP5973V	Operator ID:	PJQ
Lims ID:	CCVIS			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	V-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Lab Sample ID: CCVIS 480-446676/3 Calibration Date: 11/20/2018 15:04

Instrument ID: HP5973V Calib Start Date: 11/14/2018 15:29

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 11/14/2018 18:42

Lab File ID: V313125.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5633	0.5061	0.0100	44900	50000	-10.2	20.0
N-Nitrosodimethylamine	Ave	0.7694	0.7737	0.0100	50300	50000	0.6	50.0
Pyridine	Ave	1.166	1.092	0.0100	93600	100000	-6.4	50.0
Benzaldehyde	Ave	1.066	1.011	0.0100	47400	50000	-5.1	50.0
Phenol	Ave	1.638	1.553	0.8000	47400	50000	-5.2	20.0
Aniline	Ave	1.975	1.942	0.0100	49200	50000	-1.7	20.0
Bis(2-chloroethyl)ether	Ave	1.293	1.261	0.7000	48700	50000	-2.5	20.0
2-Chlorophenol	Ave	1.412	1.364	0.8000	48300	50000	-3.4	20.0
n-Decane	Ave	1.712	1.684	0.0100	49200	50000	-1.6	20.0
1,3-Dichlorobenzene	Ave	1.526	1.531	0.0100	50200	50000	0.4	20.0
1,4-Dichlorobenzene	Ave	1.550	1.527	0.0100	49200	50000	-1.5	20.0
Benzyl alcohol	Ave	0.8917	0.8479	0.0100	47500	50000	-4.9	20.0
1,2-Dichlorobenzene	Ave	1.453	1.443	0.0100	49600	50000	-0.7	20.0
2-Methylphenol	Ave	1.205	1.178	0.7000	48900	50000	-2.2	20.0
bis (2-chloroisopropyl) ether	Ave	2.259	2.198	0.0100	48600	50000	-2.7	20.0
Indene	Ave	0.5831	0.5281	0.0100	136000	150000	-9.4	20.0
4-Methylphenol	Ave	1.256	1.188	0.6000	47300	50000	-5.5	20.0
N-Nitrosodi-n-propylamine	Ave	0.9133	0.8930	0.5000	48900	50000	-2.2	20.0
Acetophenone	Ave	1.779	1.761	0.0100	49500	50000	-1.0	20.0
Hexachloroethane	Ave	0.5908	0.5957	0.3000	50400	50000	0.8	20.0
Nitrobenzene	Ave	0.3584	0.3665	0.2000	51100	50000	2.3	20.0
Isophorone	Ave	0.6235	0.6308	0.4000	50600	50000	1.2	20.0
2-Nitrophenol	Lin2		0.1685	0.1000	42000	50000	-16.0	20.0
2,4-Dimethylphenol	Ave	0.3565	0.3543	0.2000	49700	50000	-0.6	20.0
Bis(2-chloroethoxy)methane	Ave	0.4001	0.3977	0.3000	49700	50000	-0.6	20.0
Benzoic acid	Lin2		0.2065	0.0100	114000	150000	-24.0	50.0
2,4-Dichlorophenol	Ave	0.2990	0.2987	0.2000	50000	50000	-0.0	20.0
1,2,4-Trichlorobenzene	Ave	0.3150	0.3132	0.0100	49700	50000	-0.6	20.0
Naphthalene	Ave	0.9729	0.9812	0.7000	50400	50000	0.9	20.0
4-Chloroaniline	Ave	0.4272	0.4375	0.0100	51200	50000	2.4	20.0
2,6-Dichlorophenol	Ave	0.2996	0.2897	0.0100	48400	50000	-3.3	20.0
Hexachlorobutadiene	Ave	0.1628	0.1707	0.0100	52400	50000	4.8	20.0
Caprolactam	Lin2		0.0991	0.0100	43800	50000	-12.4	50.0
4-Chloro-3-methylphenol	Ave	0.2937	0.2901	0.2000	49400	50000	-1.2	20.0
2-Methylnaphthalene	Ave	0.6601	0.6602	0.4000	50000	50000	0.0	20.0
1-Methylnaphthalene	Ave	0.6139	0.6286	0.0100	51200	50000	2.4	20.0
Hexachlorocyclopentadiene	Ave	0.3861	0.4083	0.0500	52900	50000	5.7	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5690	0.5775	0.0100	50700	50000	1.5	20.0
2,4,6-Trichlorophenol	Ave	0.3953	0.4046	0.2000	51200	50000	2.4	20.0
2,4,5-Trichlorophenol	Lin2		0.4217	0.2000	48700	50000	-2.7	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Lab Sample ID: CCVIS 480-446676/3 Calibration Date: 11/20/2018 15:04

Instrument ID: HP5973V Calib Start Date: 11/14/2018 15:29

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 11/14/2018 18:42

Lab File ID: V313125.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Biphenyl	Lin2		1.541	0.0100	54100	50000	8.2	20.0
2-Chloronaphthalene	Ave	1.235	1.281	0.8000	51900	50000	3.8	20.0
2-Nitroaniline	Lin2		0.3683	0.0100	47800	50000	-4.5	20.0
Dimethyl phthalate	Ave	1.318	1.369	0.0100	52000	50000	3.9	20.0
1,3-Dinitrobenzene	Lin2		0.1126	0.0100	44700	50000	-10.7	20.0
2,6-Dinitrotoluene	Ave	0.3356	0.3215	0.2000	47900	50000	-4.2	20.0
Acenaphthylene	Ave	1.736	1.826	0.9000	52600	50000	5.2	20.0
3-Nitroaniline	Lin2		0.3523	0.0100	47200	50000	-5.7	20.0
2,4-Dinitrophenol	Lin1		0.1577	0.0100	76800	100000	-23.2*	20.0
Acenaphthene	Ave	1.158	1.165	0.9000	50300	50000	0.6	20.0
4-Nitrophenol	Lin2		0.1940	0.0100	92100	100000	-7.9	20.0
2,4-Dinitrotoluene	Lin2		0.4261	0.2000	47300	50000	-5.3	20.0
Dibenzofuran	Ave	1.651	1.689	0.8000	51100	50000	2.3	20.0
2,3,4,6-Tetrachlorophenol	Lin2		0.2895	0.0100	45600	50000	-8.9	20.0
Diethyl phthalate	Ave	1.288	1.322	0.0100	51300	50000	2.7	20.0
Hexadecane	Ave	0.9854	1.030	0.0100	52300	50000	4.6	20.0
4-Chlorophenyl phenyl ether	Ave	0.6492	0.6529	0.4000	50300	50000	0.6	20.0
4-Nitroaniline	Lin2		0.3732	0.0100	46300	50000	-7.5	20.0
Fluorene	Ave	1.350	1.386	0.9000	51300	50000	2.6	20.0
4,6-Dinitro-2-methylphenol	Lin1		0.1195	0.0100	83400	100000	-16.6	20.0
Diphenylamine	Ave	0.6951	0.7179	0.0100	44200	42800	3.3	20.0
N-Nitrosodiphenylamine	Ave	0.5943	0.6138	0.0100	51600	50000	3.3	20.0
1,2-Diphenylhydrazine	Lin2		1.323	0.0100	52500	50000	5.0	20.0
trans-Azobenzene	Lin2		0.8100	0.0100	54300	50000	8.7	20.0
4-Bromophenyl phenyl ether	Ave	0.2124	0.2202	0.1000	51800	50000	3.7	20.0
Hexachlorobenzene	Ave	0.2194	0.2259	0.1000	51500	50000	3.0	20.0
Atrazine	Ave	0.3675	0.3640	0.0100	49500	50000	-0.9	20.0
Pentachlorophenol	Lin2		0.1081	0.0500	93600	100000	-6.4	20.0
n-Octadecane	Ave	0.5751	0.6205	0.0100	53900	50000	7.9	20.0
Phenanthrene	Ave	1.075	1.099	0.7000	51100	50000	2.3	20.0
Anthracene	Ave	1.078	1.125	0.7000	52200	50000	4.3	20.0
Carbazole	Ave	1.003	1.046	0.0100	52100	50000	4.3	20.0
Di-n-butyl phthalate	Ave	1.137	1.239	0.0100	54500	50000	9.0	20.0
Fluoranthene	Ave	1.109	1.153	0.6000	52000	50000	4.0	20.0
Benzidine	Ave	0.7704	0.8300	0.0100	53900	50000	7.7	50.0
Pyrene	Ave	1.240	1.393	0.6000	56200	50000	12.3	20.0
Butyl benzyl phthalate	Lin2		0.7093	0.0100	56500	50000	13.1	20.0
Bis(2-ethylhexyl) phthalate	Lin2		0.9661	0.0100	58000	50000	16.1	20.0
3,3'-Dichlorobenzidine	Lin2		0.4732	0.0100	52900	50000	5.8	50.0
Benzo(a)anthracene	Ave	1.220	1.251	0.8000	51300	50000	2.6	20.0
Chrysene	Ave	1.157	1.186	0.7000	51300	50000	2.6	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Lab Sample ID: CCVIS 480-446676/3 Calibration Date: 11/20/2018 15:04

Instrument ID: HP5973V Calib Start Date: 11/14/2018 15:29

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 11/14/2018 18:42

Lab File ID: V313125.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Di-n-octyl phthalate	Ave	1.379	1.596	0.0100	57900	50000	15.7	20.0
Benzo(b)fluoranthene	Ave	1.166	1.182	0.7000	50700	50000	1.4	20.0
Benzo(k)fluoranthene	Ave	1.194	1.272	0.7000	53300	50000	6.6	20.0
Benzo(a)pyrene	Ave	1.118	1.164	0.7000	52000	50000	4.1	20.0
Dibenz(a,h)anthracene	Ave	1.109	1.109	0.4000	50000	50000	0.0	20.0
Indeno(1,2,3-cd)pyrene	Ave	1.296	1.320	0.5000	50900	50000	1.9	20.0
Benzo(g,h,i)perylene	Ave	1.126	1.129	0.5000	50200	50000	0.3	20.0
2-Fluorophenol	Ave	1.445	1.318	0.0100	45600	50000	-8.8	20.0
Phenol-d5	Ave	1.692	1.580	0.0100	46700	50000	-6.6	20.0
Nitrobenzene-d5	Ave	0.3922	0.3783	0.0100	48200	50000	-3.5	20.0
2-Fluorobiphenyl	Ave	1.462	1.456	0.0100	49800	50000	-0.4	20.0
2,4,6-Tribromophenol	Ave	0.1061	0.0985	0.0100	46400	50000	-7.2	20.0
p-Terphenyl-d14	Ave	0.8601	0.9471	0.0100	55100	50000	10.1	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313125.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 20-Nov-2018 15:04:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0076624-003
Operator ID: PJQ Instrument ID: HP5973V
Sublist: chrom-V-8270*sub63

Method: \\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 20-Nov-2018 15:44:01 Calib Date: 14-Nov-2018 18:42:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313041.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0331

First Level Reviewer: quirkp Date: 20-Nov-2018 15:44:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.840	6.840	0.000	96	275529	40.0	40.0	
* 2 Naphthalene-d8	136	8.357	8.357	0.000	100	1000448	40.0	40.0	
* 3 Acenaphthene-d10	164	10.419	10.419	0.000	96	488916	40.0	40.0	
* 4 Phenanthrene-d10	188	11.931	11.931	0.000	97	798831	40.0	40.0	
* 5 Chrysene-d12	240	14.324	14.324	0.000	99	670815	40.0	40.0	
* 6 Perylene-d12	264	15.900	15.900	0.000	97	631198	40.0	40.0	
$ 7 2-Fluorophenol	112	5.226	5.226	0.000	94	453906	50.0	45.6	
$ 8 Phenol-d5	99	6.348	6.348	0.000	98	544187	50.0	46.7	
$ 9 Nitrobenzene-d5	82	7.486	7.486	0.000	90	473075	50.0	48.2	
$ 10 2-Fluorobiphenyl	172	9.623	9.623	0.000	99	889796	50.0	49.8	
$ 11 2,4,6-Tribromophenol	330	11.242	11.242	0.000	91	98320	50.0	46.4	
$ 12 p-Terphenyl-d14	244	13.336	13.336	0.000	99	794150	50.0	55.1	
68 1,4-Dioxane	88	2.785	2.785	0.000	96	174294	50.0	44.9	
69 N-Nitrosodimethylamine	42	3.271	3.271	0.000	90	266478	50.0	50.3	
70 Pyridine	52	3.362	3.362	0.000	85	752151	100.0	93.6	
80 Benzaldehyde	77	6.305	6.305	0.000	92	348313	50.0	47.4	
81 Phenol	94	6.364	6.364	0.000	98	534959	50.0	47.4	
82 Aniline	93	6.428	6.428	0.000	97	668838	50.0	49.2	
83 Bis(2-chloroethyl)ether	93	6.487	6.487	0.000	96	434206	50.0	48.7	
84 2-Chlorophenol	128	6.583	6.583	0.000	97	469832	50.0	48.3	
263 n-Decane	57	6.620	6.620	0.000	93	580079	50.0	49.2	
87 1,3-Dichlorobenzene	146	6.775	6.775	0.000	98	527271	50.0	50.2	
88 1,4-Dichlorobenzene	146	6.856	6.856	0.000	94	525767	50.0	49.2	
90 Benzyl alcohol	108	6.973	6.973	0.000	92	292034	50.0	47.5	
91 1,2-Dichlorobenzene	146	7.048	7.048	0.000	97	496873	50.0	49.6	
92 2-Methylphenol	108	7.096	7.096	0.000	97	405673	50.0	48.9	
93 2,2'-oxybis[1-chloropropan	45	7.133	7.133	0.000	94	756869	50.0	48.6	
248 Indene	115	7.149	7.149	0.000	92	1981103	150.0	135.8	
96 4-Methylphenol	108	7.272	7.272	0.000	96	409062	50.0	47.3	
95 N-Nitrosodi-n-propylamine	70	7.288	7.288	0.000	93	307562	50.0	48.9	
94 Acetophenone	105	7.299	7.299	0.000	96	606395	50.0	49.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
99 Hexachloroethane	117	7.459	7.459	0.000	97	205148	50.0	50.4	
102 Nitrobenzene	77	7.513	7.513	0.000	91	458293	50.0	51.1	
106 Isophorone	82	7.785	7.785	0.000	98	788839	50.0	50.6	
107 2-Nitrophenol	139	7.892	7.892	0.000	94	210707	50.0	42.0	
108 2,4-Dimethylphenol	107	7.908	7.908	0.000	96	443047	50.0	49.7	
111 Bis(2-chloroethoxy)methane	93	8.020	8.020	0.000	99	497314	50.0	49.7	
115 Benzoic acid	105	8.036	8.036	0.000	89	774876	150.0	114.0	
114 2,4-Dichlorophenol	162	8.175	8.175	0.000	94	373552	50.0	50.0	
117 1,2,4-Trichlorobenzene	180	8.287	8.287	0.000	95	391644	50.0	49.7	
118 Naphthalene	128	8.383	8.383	0.000	98	1227084	50.0	50.4	
119 4-Chloroaniline	127	8.426	8.426	0.000	97	547066	50.0	51.2	
122 2,6-Dichlorophenol	162	8.442	8.442	0.000	97	362316	50.0	48.4	
121 Hexachlorobutadiene	225	8.528	8.528	0.000	98	213510	50.0	52.4	
124 Caprolactam	113	8.827	8.827	0.000	76	123862	50.0	43.8	
129 4-Chloro-3-methylphenol	107	8.976	8.976	0.000	98	362750	50.0	49.4	
131 2-Methylnaphthalene	142	9.201	9.201	0.000	91	825593	50.0	50.0	
251 1-Methylnaphthalene	142	9.324	9.324	0.000	93	786148	50.0	51.2	
134 Hexachlorocyclopentadiene	237	9.398	9.398	0.000	97	249531	50.0	52.9	
135 1,2,4,5-Tetrachlorobenzene	216	9.409	9.409	0.000	98	352905	50.0	50.7	
137 2,4,6-Trichlorophenol	196	9.527	9.527	0.000	94	247291	50.0	51.2	
138 2,4,5-Trichlorophenol	196	9.575	9.575	0.000	94	257688	50.0	48.7	
140 1,1'-Biphenyl	154	9.751	9.751	0.000	95	941910	50.0	54.1	
141 2-Chloronaphthalene	162	9.783	9.783	0.000	97	782950	50.0	51.9	
143 2-Nitroaniline	65	9.885	9.885	0.000	85	225053	50.0	47.8	
146 Dimethyl phthalate	163	10.072	10.072	0.000	99	836761	50.0	52.0	
148 1,3-Dinitrobenzene	168	10.114	10.114	0.000	86	140770	50.0	44.7	
149 2,6-Dinitrotoluene	165	10.146	10.146	0.000	95	196475	50.0	47.9	
150 Acenaphthylene	152	10.264	10.264	0.000	98	1115896	50.0	52.6	
151 3-Nitroaniline	138	10.344	10.344	0.000	94	215301	50.0	47.2	
153 2,4-Dinitrophenol	184	10.456	10.456	0.000	67	192704	100.0	76.8	
152 Acenaphthene	153	10.456	10.456	0.000	88	711871	50.0	50.3	
154 4-Nitrophenol	109	10.504	10.504	0.000	93	237167	100.0	92.1	
156 2,4-Dinitrotoluene	165	10.595	10.595	0.000	94	260390	50.0	47.3	
155 Dibenzofuran	168	10.638	10.638	0.000	95	1032170	50.0	51.1	
158 2,3,4,6-Tetrachlorophenol	232	10.761	10.761	0.000	76	176941	50.0	45.6	
161 Diethyl phthalate	149	10.836	10.836	0.000	98	808139	50.0	51.3	
256 Hexadecane	57	10.841	10.841	0.000	93	629755	50.0	52.3	
163 4-Chlorophenyl phenyl ethe	204	10.980	10.980	0.000	92	399001	50.0	50.3	
164 4-Nitroaniline	138	10.996	10.996	0.000	84	228075	50.0	46.3	
162 Fluorene	166	11.001	11.001	0.000	95	846931	50.0	51.3	
165 4,6-Dinitro-2-methylphenol	198	11.028	11.028	0.000	81	238689	100.0	83.4	
168 N-Nitrosodiphenylamine	169	11.092	11.092	0.000	97	612916	50.0	51.6	
169 Diphenylamine	169	11.092	11.092	0.000	95	612916	42.8	44.2	
171 Azobenzene	77	11.140	11.140	0.000	98	808840	50.0	54.3	
170 1,2-Diphenylhydrazine	77	11.140	11.140	0.000	98	808840	50.0	52.5	
175 4-Bromophenyl phenyl ether	248	11.471	11.471	0.000	69	219855	50.0	51.8	
179 Hexachlorobenzene	284	11.562	11.562	0.000	94	225580	50.0	51.5	
180 Atrazine	200	11.599	11.599	0.000	91	222458	50.0	49.5	
183 Pentachlorophenol	266	11.744	11.744	0.000	92	215949	100.0	93.6	
265 n-Octadecane	57	11.749	11.749	0.000	94	619552	50.0	53.9	
188 Phenanthrene	178	11.952	11.952	0.000	98	1097489	50.0	51.1	
189 Anthracene	178	12.000	12.000	0.000	98	1123173	50.0	52.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
192 Carbazole	167	12.134	12.134	0.000	96	1044148	50.0	52.1	
195 Di-n-butyl phthalate	149	12.395	12.395	0.000	100	1237449	50.0	54.5	
201 Fluoranthene	202	13.037	13.037	0.000	98	1150868	50.0	52.0	
202 Benzidine	184	13.117	13.117	0.000	99	695935	50.0	53.9	
204 Pyrene	202	13.250	13.250	0.000	97	1168388	50.0	56.2	
210 Butyl benzyl phthalate	149	13.731	13.731	0.000	98	594732	50.0	56.5	
216 Bis(2-ethylhexyl) phthalat	149	14.201	14.201	0.000	97	810082	50.0	58.0	
215 3,3'-Dichlorobenzidine	252	14.249	14.249	0.000	75	396806	50.0	52.9	
217 Benzo[a]anthracene	228	14.313	14.313	0.000	99	1049168	50.0	51.3	
218 Chrysene	228	14.351	14.351	0.000	97	994525	50.0	51.3	
220 Di-n-octyl phthalate	149	14.799	14.799	0.000	99	1338641	50.0	57.9	
221 Benzo[b]fluoranthene	252	15.424	15.424	0.000	98	932253	50.0	50.7	
222 Benzo[k]fluoranthene	252	15.451	15.451	0.000	99	1003764	50.0	53.3	
225 Benzo[a]pyrene	252	15.830	15.830	0.000	78	918035	50.0	52.0	
228 Dibenz(a,h)anthracene	278	17.492	17.492	0.000	88	875097	50.0	50.0	
227 Indeno[1,2,3-cd]pyrene	276	17.497	17.497	0.000	98	1041695	50.0	50.9	
229 Benzo[g,h,i]perylene	276	17.994	17.994	0.000	97	891164	50.0	50.2	

Reagents:

MB_LIST1_WRK_00653	Amount Added: 1.00	Units: mL	
MB_INTSTD_STK_00055	Amount Added: 20.00	Units: uL	Run Reagent

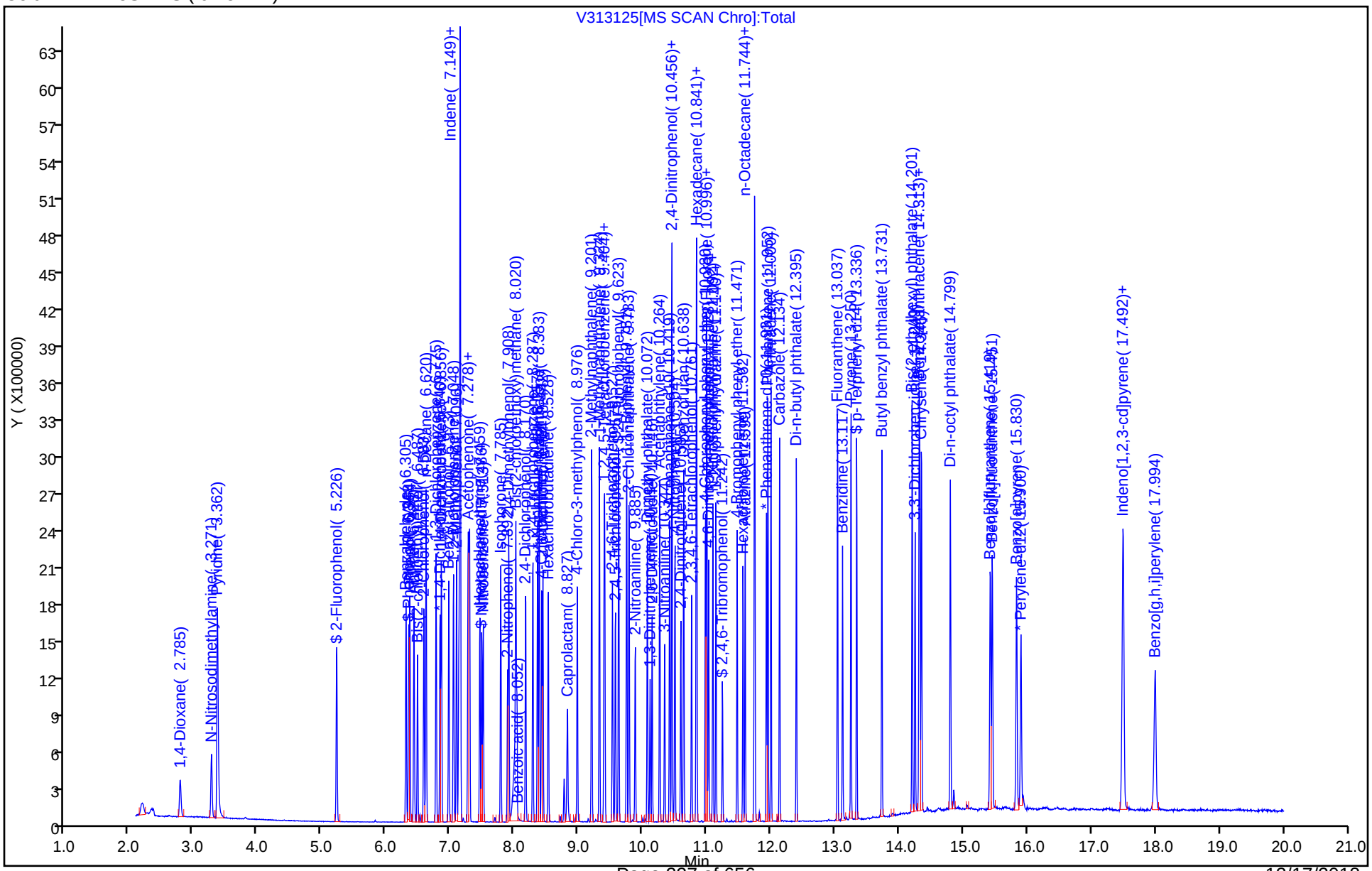
Report Date: 20-Nov-2018 15:44:02 Chrom Revision: 2.3 19-Nov-2018 09:14:08

TestAmerica Buffalo

Data File: \\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313125.D

Injection Date:	20-Nov-2018 15:04:30	Instrument ID:	HP5973V	Operator ID:	PJQ
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	V-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313033.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 14-Nov-2018 15:01:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0076436-002
Operator ID: MKP Instrument ID: HP5973V

Method: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 15-Nov-2018 13:10:35 Calib Date: 14-Nov-2018 18:42:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313041.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0304

First Level Reviewer: pagem Date: 14-Nov-2018 15:28:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
104 Pentachlorophenol_T	266	11.737	11.737	0.000	90	107696	NR	NR	
112 DFTPP									
128 Benzidine_T	184	13.115	13.115	0.000	99	818189	NR	NR	
130 4,4'-DDE	246		13.517					ND	
136 4,4'-DDD	235		13.580					ND	
139 4,4'-DDT	235	13.847	13.847	0.000	97	365445	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

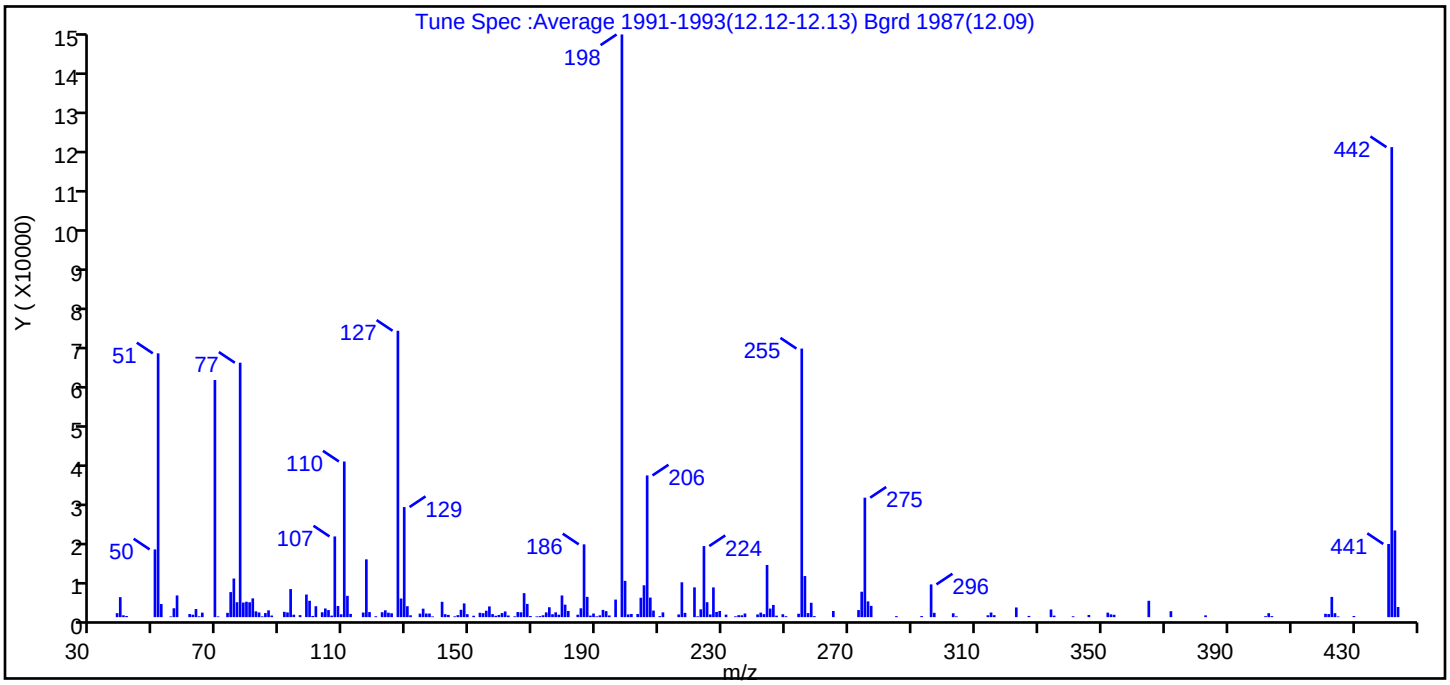
MB_DFTPP_WRK_00344 Amount Added: 1.00 Units: mL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313033.D
Injection Date: 14-Nov-2018 15:01:30 Instrument ID: HP5973V
Lims ID: DFTPP
Client ID:
Operator ID: MKP ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: V-8270 Limit Group: MB - 8270D ICAL
Tune Method: DFTPP Method 8270D, BP 198

112 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >90% of 442	100.0 (124.0)
51	10-80% of the base peak	45.3
68	<2% of mass 69	0.0 (0.0)
69	Present	40.7
70	<2% of mass 69	0.1 (0.3)
127	10-80% of the base peak	49.1
197	<2% of mass 198	0.0
199	5-9% of mass 198	6.2
275	10-60% of the base peak	20.5
365	>1% of mass 198	2.8
441	present but <24% of mass 442	12.6 (15.6)
442	base peak, or >50% of 198	80.7
443	15-24% of mass 442	14.9 (18.4)

Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313033.D\V-8270.rslt\spectra.d
Injection Date: 14-Nov-2018 15:01:30
Spectrum: Tune Spec :Average 1991-1993(12.12-12.13) Bgrd 1987(12.09)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 201

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	955	116.00	1104	179.00	5220	249.00	701
39.00	4808	117.00	13908	180.00	3005	250.00	224
40.00	443	118.00	1217	181.00	1483	254.00	816
41.00	275	120.00	220	184.00	579	255.00	64632
50.00	16298	122.00	1187	185.00	2132	256.00	9886
51.00	63488	123.00	1648	186.00	17520	257.00	973
52.00	3155	124.00	1068	187.00	4880	258.00	3461
55.00	167	125.00	928	188.00	373	259.00	242
56.00	2137	127.00	68920	189.00	868	265.00	1484
57.00	5222	128.00	4486	190.00	185	273.00	1705
61.00	747	129.00	26496	191.00	432	274.00	6116
62.00	586	130.00	2630	192.00	1739	275.00	28752
63.00	1953	131.00	445	193.00	1450	276.00	3793
64.00	192	134.00	839	194.00	407	277.00	2714
65.00	1083	135.00	2037	196.00	4225	285.00	248
69.00	57064	136.00	877	198.00	140224	293.00	263
70.00	176	137.00	868	199.00	8732	296.00	7881
73.00	1027	138.00	172	200.00	655	297.00	1038
74.00	6030	141.00	3695	201.00	759	303.00	929
75.00	9292	142.00	708	203.00	751	304.00	194
76.00	3589	143.00	540	204.00	4666	314.00	456
77.00	61232	145.00	186	205.00	7668	315.00	1113
78.00	3509	146.00	480	206.00	34104	316.00	472
79.00	3705	147.00	1769	207.00	4713	323.00	2330
80.00	3580	148.00	3303	208.00	1579	327.00	296
81.00	4519	149.00	708	210.00	242	334.00	1843
82.00	1393	151.00	332	211.00	1149	335.00	360
83.00	1120	153.00	1050	216.00	641	341.00	210
84.00	189	154.00	960	217.00	8388	346.00	520
85.00	981	155.00	1550	218.00	1030	352.00	1081
86.00	1630	156.00	2580	221.00	7166	353.00	665
87.00	383	157.00	737	222.00	190	354.00	569
91.00	1277	158.00	332	223.00	1883	365.00	3940

Report Date: 15-Nov-2018 13:10:35 Chrom Revision: 2.3 12-Oct-2018 08:24:38
Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313033.D\V-8270.rslt\spectra.d
Injection Date: 14-Nov-2018 15:01:30
Spectrum: Tune Spec :Average 1991-1993(12.12-12.13) Bgrd 1987(12.09)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 201

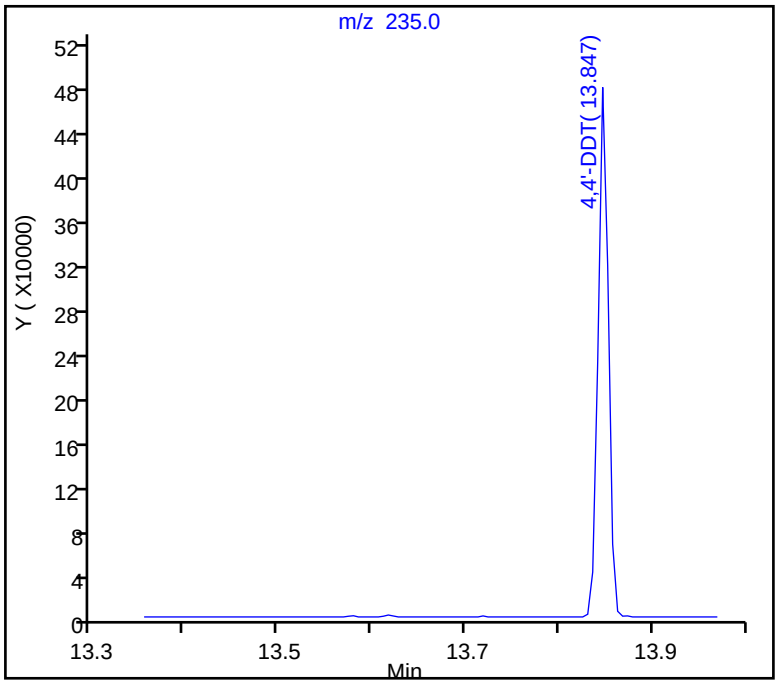
m/z	Y	m/z	Y	m/z	Y	m/z	Y
92.00	1136	159.00	530	224.00	17104	372.00	1428
93.00	6751	160.00	982	225.00	3596	383.00	430
94.00	582	161.00	1371	226.00	647	402.00	232
96.00	489	162.00	397	227.00	7156	403.00	956
98.00	5440	164.00	188	228.00	1247	404.00	253
99.00	3942	165.00	1224	229.00	1479	421.00	803
100.00	289	166.00	1166	231.00	605	422.00	745
101.00	2628	167.00	5777	234.00	198	423.00	4866
103.00	1173	168.00	3185	235.00	471	424.00	945
104.00	2080	169.00	271	236.00	440	425.00	172
105.00	1701	171.00	169	237.00	875	430.00	273
106.00	369	172.00	242	241.00	651	441.00	17608
107.00	19424	173.00	451	242.00	1090	442.00	113112
108.00	2676	174.00	1140	243.00	735	443.00	20864
109.00	686	175.00	2382	244.00	12551	444.00	2448
110.00	37456	176.00	700	245.00	2066		
111.00	5129	177.00	1161	246.00	2945		
112.00	780	178.00	585	247.00	358		

Breakdown Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313033.D
Injection Date: 14-Nov-2018 15:01:30 Instrument ID: HP5973V
Lims ID: DFTPP
Client ID:
Operator ID: MKP ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: V-8270 Limit Group: MB - 8270D ICAL

139 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

139 4,4'-DDT, Area = 365445
136 4,4'-DDD, Area = 0
130 4,4'-DDE, Area = 0

%Breakdown: 0.00%, Max Limit: 20.00%
Passed

Peak Tailing Report

TestAmerica Buffalo

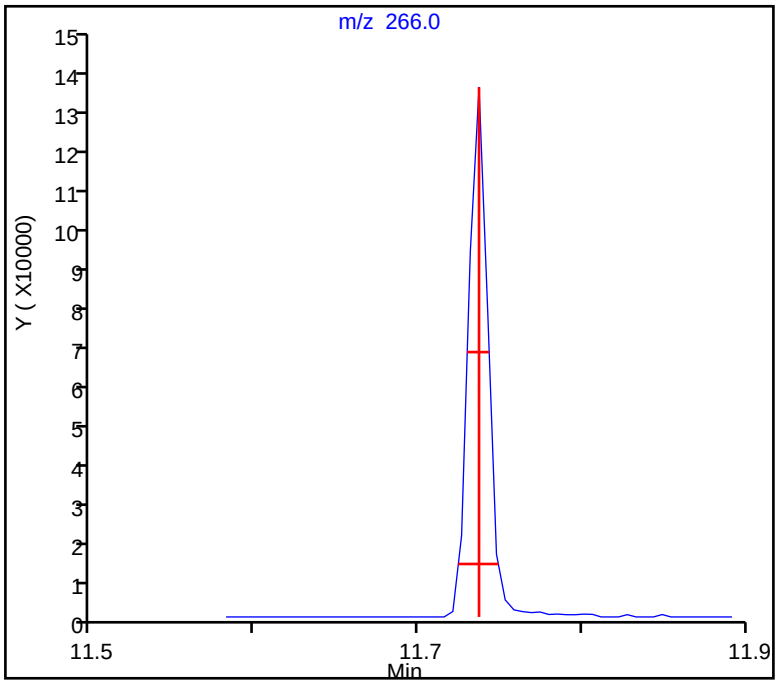
Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313033.D
Injection Date: 14-Nov-2018 15:01:30 Instrument ID: HP5973V
Lims ID: DFTPP
Client ID:
Operator ID: MKP ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: V-8270 Limit Group: MB - 8270D ICAL

104 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.012 (min.)
Front Width = 0.013 (min.)

Tailing Factor = 0.9, Max. Tailing < 2.00
Passed



Peak Tailing Report

TestAmerica Buffalo

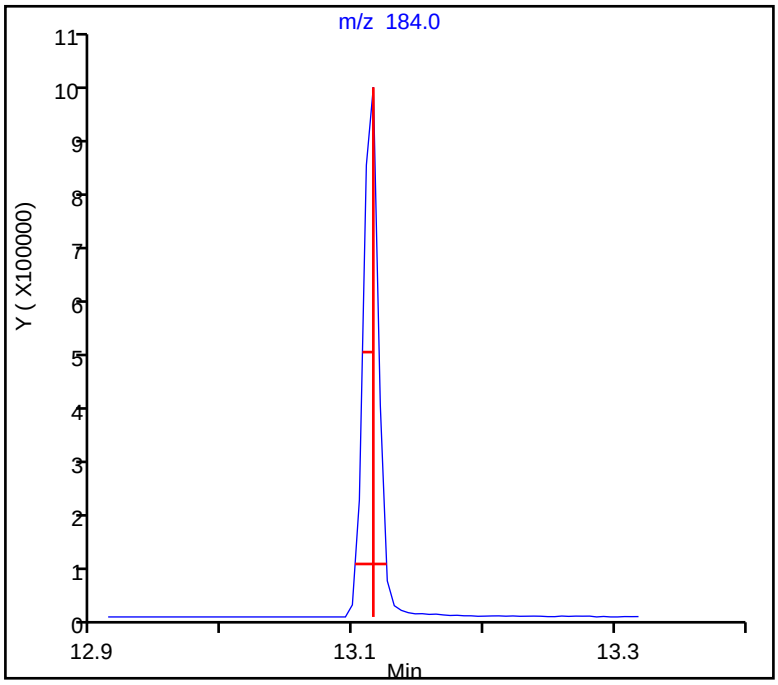
Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313033.D
Injection Date: 14-Nov-2018 15:01:30 Instrument ID: HP5973V
Lims ID: DFTPP
Client ID:
Operator ID: MKP ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: V-8270 Limit Group: MB - 8270D ICAL

128 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.010 (min.)
Front Width = 0.014 (min.)

Tailing Factor = 0.7, Max. Tailing < 2.00
Passed



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181119-76580.b\V313107.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 19-Nov-2018 13:03:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0076580-003
Operator ID: PJQ Instrument ID: HP5973V

Method: \\ChromNA\Buffalo\ChromData\HP5973V\20181119-76580.b\V-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 19-Nov-2018 13:26:42 Calib Date: 14-Nov-2018 18:42:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313041.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0324

First Level Reviewer: quirkp Date: 19-Nov-2018 13:26:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
104 Pentachlorophenol_T	266	11.739	11.739	0.000	90	76303	NR	NR	
112 DFTPP									
128 Benzidine_T	184	13.117	13.117	0.000	99	685662	NR	NR	
130 4,4'-DDE	246		13.517					ND	
136 4,4'-DDD	235		13.580					ND	
139 4,4'-DDT	235	13.854	13.854	0.000	97	318234	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

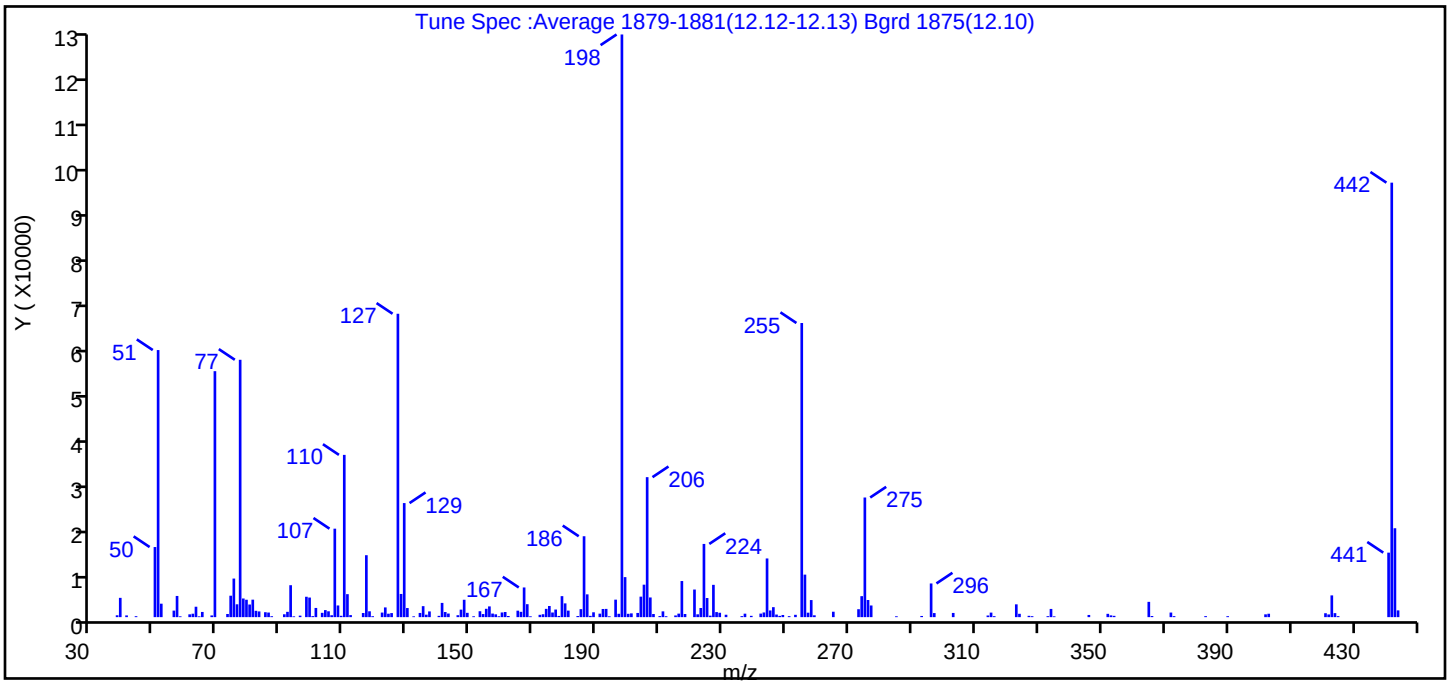
MB_DFTPP_WRK_00344 Amount Added: 1.00 Units: mL

MS Tune Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181119-76580.b\V313107.D
Injection Date: 19-Nov-2018 13:03:30 Instrument ID: HP5973V
Lims ID: DFTPP
Client ID:
Operator ID: PJQ ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: V-8270 Limit Group: MB - 8270D ICAL
Tune Method: DFTPP Method 8270D, BP 198

112 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >90% of 442	100.0 (134.1)
51	10-80% of the base peak	45.8
68	<2% of mass 69	0.3 (0.7)
69	Present	42.2
70	<2% of mass 69	0.0 (0.0)
127	10-80% of the base peak	52.1
197	<2% of mass 198	0.6
199	5-9% of mass 198	6.9
275	10-60% of the base peak	20.5
365	>1% of mass 198	2.6
441	present but <24% of mass 442	11.1 (14.8)
442	base peak, or >50% of 198	74.6
443	15-24% of mass 442	15.3 (20.5)

Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181119-76580.b\V313107.D\V-8270.rslt\spectra.d
Injection Date: 19-Nov-2018 13:03:30
Spectrum: Tune Spec :Average 1879-1881(12.12-12.13) Bgrd 1875(12.10)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 200

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	408	116.00	905	181.00	1434	249.00	474
39.00	4239	117.00	13610	184.00	246	251.00	218
41.00	380	118.00	1285	185.00	1757	253.00	513
44.00	209	119.00	206	186.00	17776	255.00	64632
50.00	15403	122.00	1003	187.00	5007	256.00	9343
51.00	58688	123.00	2136	188.00	282	257.00	978
52.00	2957	124.00	753	189.00	1067	258.00	3753
56.00	1435	125.00	892	191.00	764	259.00	404
57.00	4655	127.00	66664	192.00	1794	265.00	1192
58.00	178	128.00	5095	193.00	1810	273.00	1743
61.00	617	129.00	25064	194.00	184	274.00	4611
62.00	754	130.00	2000	196.00	3844	275.00	26288
63.00	2288	132.00	178	197.00	739	276.00	3765
64.00	172	134.00	920	198.00	128032	277.00	2562
65.00	1141	135.00	2414	199.00	8794	285.00	191
68.00	373	136.00	540	200.00	734	293.00	259
69.00	54048	137.00	1259	201.00	828	296.00	7402
73.00	694	140.00	283	203.00	921	297.00	895
74.00	4709	141.00	3128	204.00	4503	303.00	921
75.00	8478	142.00	1126	205.00	7134	314.00	360
76.00	2824	143.00	790	206.00	30760	315.00	997
77.00	56552	146.00	426	207.00	4323	316.00	212
78.00	4097	147.00	1650	208.00	687	323.00	2815
79.00	3824	148.00	3820	210.00	229	324.00	733
80.00	2776	149.00	948	211.00	1271	327.00	291
81.00	3841	151.00	188	212.00	198	328.00	211
82.00	1392	153.00	1298	215.00	370	333.00	213
83.00	1258	154.00	680	216.00	771	334.00	1805
85.00	1082	155.00	1834	217.00	7934	335.00	176
86.00	1009	156.00	2362	218.00	689	346.00	480
87.00	202	157.00	784	221.00	6067	352.00	729
91.00	631	158.00	620	222.00	622	353.00	390
92.00	1167	159.00	191	223.00	2010	354.00	287

Report Date: 19-Nov-2018 13:26:42 Chrom Revision: 2.3 12-Oct-2018 08:24:38
Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181119-76580.b\V313107.D\V-8270.rslt\spectra.d
Injection Date: 19-Nov-2018 13:03:30
Spectrum: Tune Spec :Average 1879-1881(12.12-12.13) Bgrd 1875(12.10)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 200

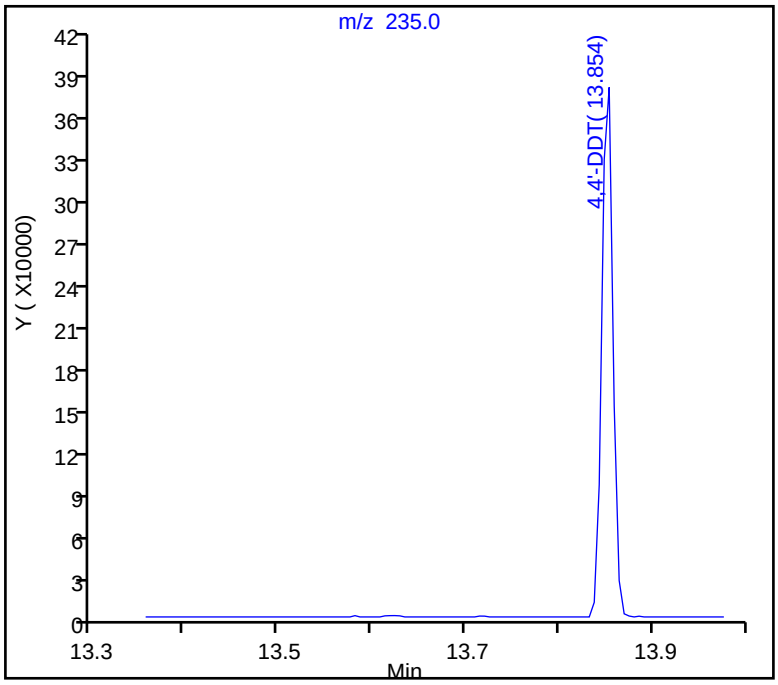
m/z	Y	m/z	Y	m/z	Y	m/z	Y
93.00	7017	160.00	1028	224.00	16087	365.00	3360
94.00	174	161.00	1130	225.00	4201	366.00	248
96.00	330	162.00	251	226.00	325	372.00	1008
98.00	4479	165.00	1422	227.00	7099	373.00	219
99.00	4306	166.00	1167	228.00	1110	383.00	224
100.00	226	167.00	6521	229.00	963	390.00	208
101.00	2021	168.00	2846	231.00	527	402.00	618
103.00	947	169.00	178	236.00	222	403.00	749
104.00	1547	172.00	513	237.00	762	421.00	861
105.00	1284	173.00	640	239.00	288	422.00	593
106.00	416	174.00	1821	242.00	779	423.00	4780
107.00	19440	175.00	2448	243.00	1027	424.00	879
108.00	2566	176.00	1018	244.00	12894	425.00	223
109.00	297	177.00	1671	245.00	1470	441.00	14173
110.00	35656	178.00	266	246.00	2193	442.00	95472
111.00	5050	179.00	4614	247.00	568	443.00	19536
112.00	448	180.00	3024	248.00	277	444.00	1488

Breakdown Report

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181119-76580.b\V313107.D
Injection Date: 19-Nov-2018 13:03:30 Instrument ID: HP5973V
Lims ID: DFTPP
Client ID:
Operator ID: PJQ ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: V-8270 Limit Group: MB - 8270D ICAL

139 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

139 4,4'-DDT, Area = 318234
136 4,4'-DDD, Area = 0
130 4,4'-DDE, Area = 0

%Breakdown: 0.00%, Max Limit: 20.00%
Passed

Peak Tailing Report

TestAmerica Buffalo

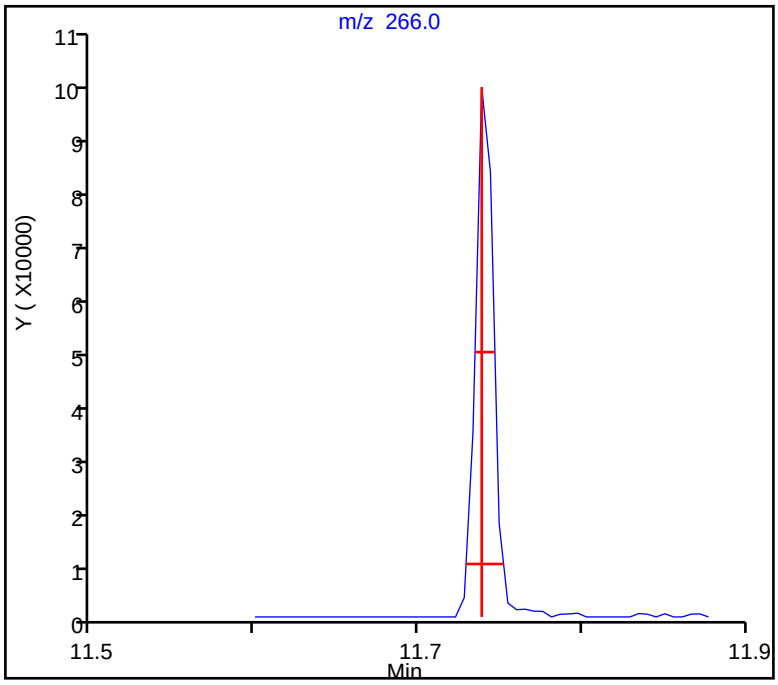
Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181119-76580.b\V313107.D
Injection Date: 19-Nov-2018 13:03:30 Instrument ID: HP5973V
Lims ID: DFTPP
Client ID:
Operator ID: PJQ ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: V-8270 Limit Group: MB - 8270D ICAL

104 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.013 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.4, Max. Tailing < 2.00
Passed



Peak Tailing Report

TestAmerica Buffalo

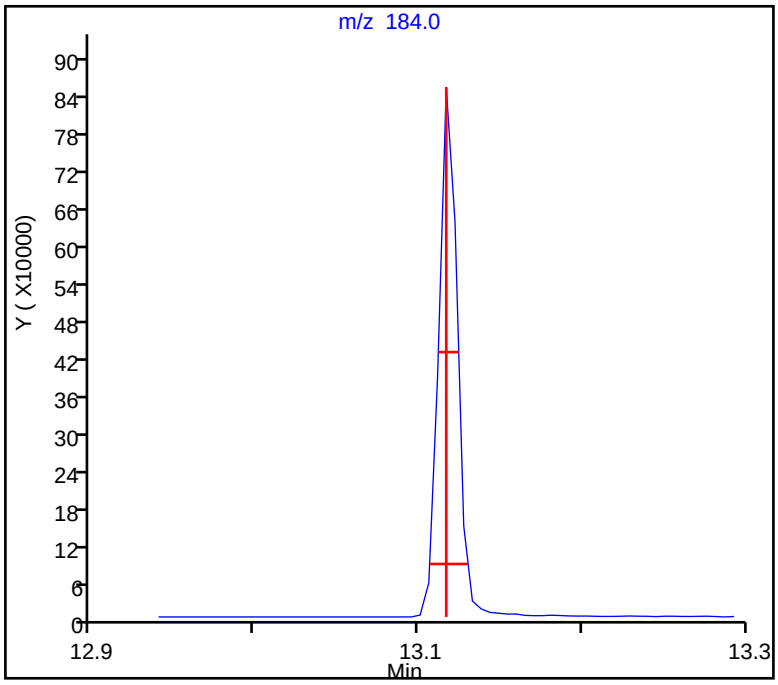
Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181119-76580.b\V313107.D
Injection Date: 19-Nov-2018 13:03:30 Instrument ID: HP5973V
Lims ID: DFTPP
Client ID:
Operator ID: PJQ ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: V-8270 Limit Group: MB - 8270D ICAL

128 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.013 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.3, Max. Tailing < 2.00
Passed



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313124.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 20-Nov-2018 14:36:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0076624-002
Operator ID: PJQ Instrument ID: HP5973V

Method: \\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 20-Nov-2018 14:58:43 Calib Date: 14-Nov-2018 18:42:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313041.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0331

First Level Reviewer: quirkp Date: 20-Nov-2018 14:58:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
104 Pentachlorophenol_T	266	11.739	11.739	0.000	89	72095	NR	NR	
112 DFTPP									
128 Benzidine_T	184	13.117	13.117	0.000	99	745008	NR	NR	
130 4,4'-DDE	246		13.517					ND	
136 4,4'-DDD	235		13.580					ND	
139 4,4'-DDT	235	13.854	13.854	0.000	97	309436	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

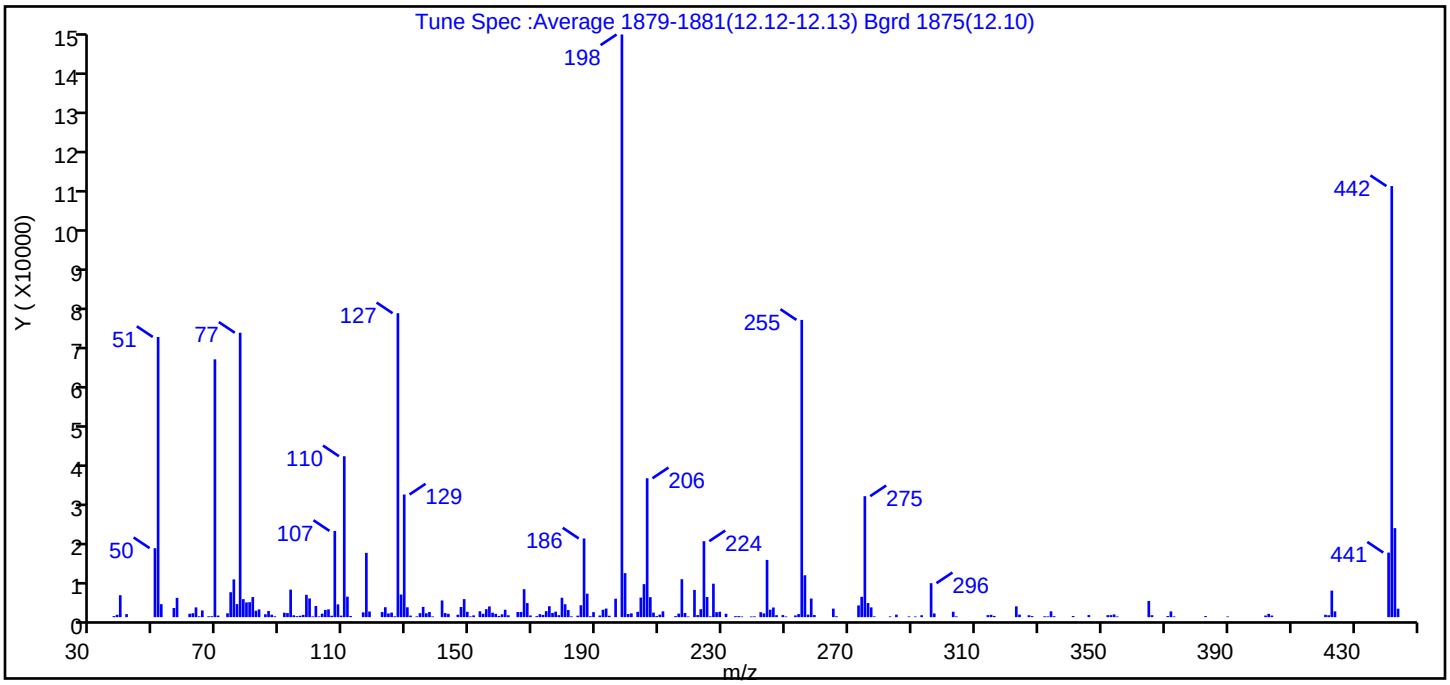
MB_DFTPP_WRK_00344 Amount Added: 1.00 Units: mL

MS Tune Report

TestAmerica Buffalo

Data File: \\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313124.D
Injection Date: 20-Nov-2018 14:36:30 Instrument ID: HP5973V
Lims ID: DFTPP
Client ID:
Operator ID: PJQ ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: V-8270 Limit Group: MB - 8270D ICAL
Tune Method: DFTPP Method 8270D, BP 198

112 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >90% of 442	100.0 (135.2)
51	10-80% of the base peak	48.1
68	<2% of mass 69	0.2 (0.4)
69	Present	44.2
70	<2% of mass 69	0.3 (0.6)
127	10-80% of the base peak	52.2
197	<2% of mass 198	0.0
199	5-9% of mass 198	7.6
275	10-60% of the base peak	20.8
365	>1% of mass 198	2.8
441	present but <24% of mass 442	11.1 (15.0)
442	base peak, or >50% of 198	74.0
443	15-24% of mass 442	15.3 (20.7)

Data File: \\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313124.D\V-8270.rslt\spectra.d
Injection Date: 20-Nov-2018 14:36:30
Spectrum: Tune Spec :Average 1879-1881(12.12-12.13) Bgrd 1875(12.10)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 222

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	274	116.00	1187	185.00	2960	258.00	4633
38.00	586	117.00	16009	186.00	19592	259.00	519
39.00	5458	118.00	1409	187.00	5840	265.00	2123
40.00	4	122.00	1266	188.00	227	266.00	226
41.00	754	123.00	2471	189.00	1253	273.00	2917
50.00	17176	124.00	911	191.00	403	274.00	5065
51.00	69768	125.00	1134	192.00	1841	275.00	30120
52.00	3231	126.00	207	193.00	2137	276.00	3515
56.00	2284	127.00	75680	194.00	347	277.00	2431
57.00	4809	128.00	5638	196.00	4590	278.00	187
61.00	843	129.00	30544	198.00	145088	283.00	185
62.00	984	130.00	2448	199.00	10959	285.00	618
63.00	2428	131.00	384	200.00	780	289.00	182
64.00	207	133.00	190	201.00	950	291.00	168
65.00	1675	134.00	981	203.00	1317	293.00	473
67.00	214	135.00	2552	204.00	4869	296.00	8457
68.00	227	136.00	967	205.00	8222	297.00	910
69.00	64200	137.00	1288	206.00	34584	303.00	1346
70.00	391	138.00	179	207.00	4973	304.00	186
73.00	957	141.00	4158	208.00	1133	314.00	504
74.00	6209	142.00	1018	209.00	267	315.00	582
75.00	9398	143.00	820	210.00	633	316.00	305
76.00	3244	146.00	598	211.00	1445	323.00	2688
77.00	70824	147.00	2519	215.00	261	324.00	633
78.00	4478	148.00	4486	216.00	878	327.00	475
79.00	3668	149.00	1327	217.00	9452	328.00	267
80.00	3720	150.00	177	218.00	1035	332.00	208
81.00	5007	151.00	439	219.00	172	333.00	189
82.00	1599	153.00	1460	221.00	6763	334.00	1449
83.00	1933	154.00	839	222.00	520	335.00	233
85.00	713	155.00	1981	223.00	1988	341.00	290
86.00	1525	156.00	2664	224.00	18912	346.00	520
87.00	596	157.00	1097	225.00	5026	352.00	494

Report Date: 20-Nov-2018 14:58:44 Chrom Revision: 2.3 19-Nov-2018 09:14:08
Data File: \\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313124.D\V-8270.rslt\spectra.d
Injection Date: 20-Nov-2018 14:36:30
Spectrum: Tune Spec :Average 1879-1881(12.12-12.13) Bgrd 1875(12.10)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 222

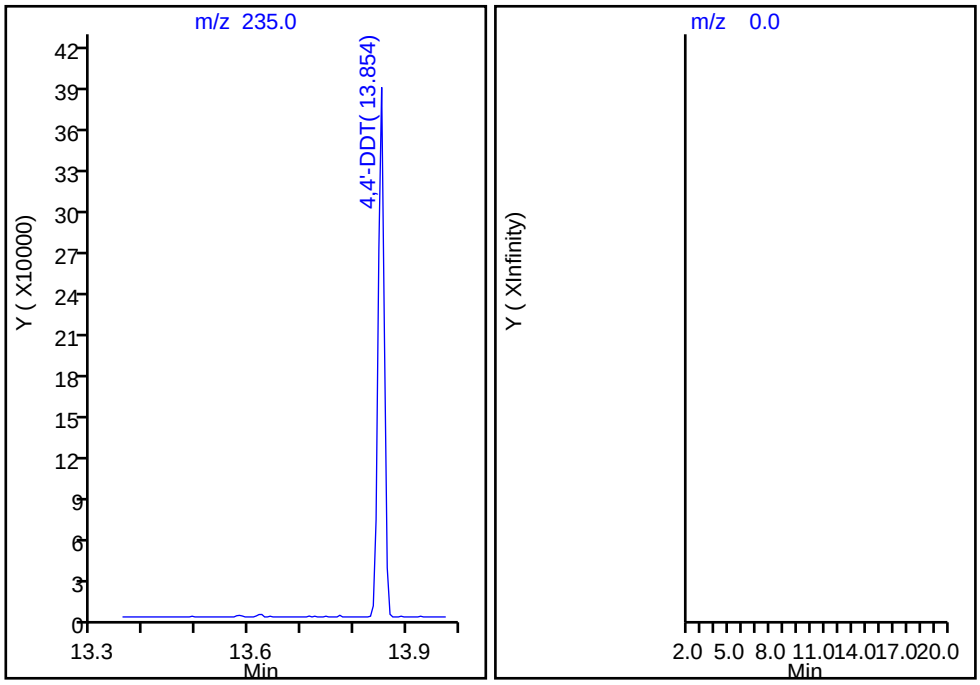
m/z	Y	m/z	Y	m/z	Y	m/z	Y
88.00	209	158.00	820	226.00	193	353.00	500
91.00	1104	159.00	306	227.00	8326	354.00	676
92.00	1013	160.00	700	228.00	1240	355.00	170
93.00	6848	161.00	1845	229.00	1348	365.00	4028
94.00	454	162.00	469	231.00	845	366.00	490
95.00	244	165.00	1277	234.00	245	371.00	271
96.00	347	166.00	1291	235.00	255	372.00	1427
97.00	555	167.00	6953	236.00	172	373.00	179
98.00	5559	168.00	3499	239.00	173	383.00	272
99.00	4663	169.00	422	240.00	190	390.00	173
100.00	175	171.00	250	242.00	1232	402.00	392
101.00	2781	172.00	739	243.00	931	403.00	826
102.00	177	173.00	549	244.00	14255	404.00	400
103.00	872	174.00	1496	245.00	1857	421.00	593
104.00	1803	175.00	2716	246.00	2400	422.00	472
105.00	1943	176.00	1038	247.00	488	423.00	6611
106.00	351	177.00	1368	249.00	514	424.00	1433
107.00	21472	178.00	484	250.00	172	441.00	16074
108.00	3182	179.00	4829	253.00	422	442.00	107336
109.00	379	180.00	3215	254.00	763	443.00	22168
110.00	40072	181.00	1764	255.00	74016	444.00	2106
111.00	5099	182.00	196	256.00	10424		
112.00	299	184.00	373	257.00	630		

Breakdown Report

TestAmerica Buffalo

Data File: \\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313124.D
Injection Date: 20-Nov-2018 14:36:30 Instrument ID: HP5973V
Lims ID: DFTPP
Client ID:
Operator ID: PJQ ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: V-8270 Limit Group: MB - 8270D ICAL

139 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

139 4,4'-DDT, Area = 309436
136 4,4'-DDD, Area = 0
130 4,4'-DDE, Area = 0

%Breakdown: 0.00%, <= 20.00%
Passed

Peak Tailing Report

TestAmerica Buffalo

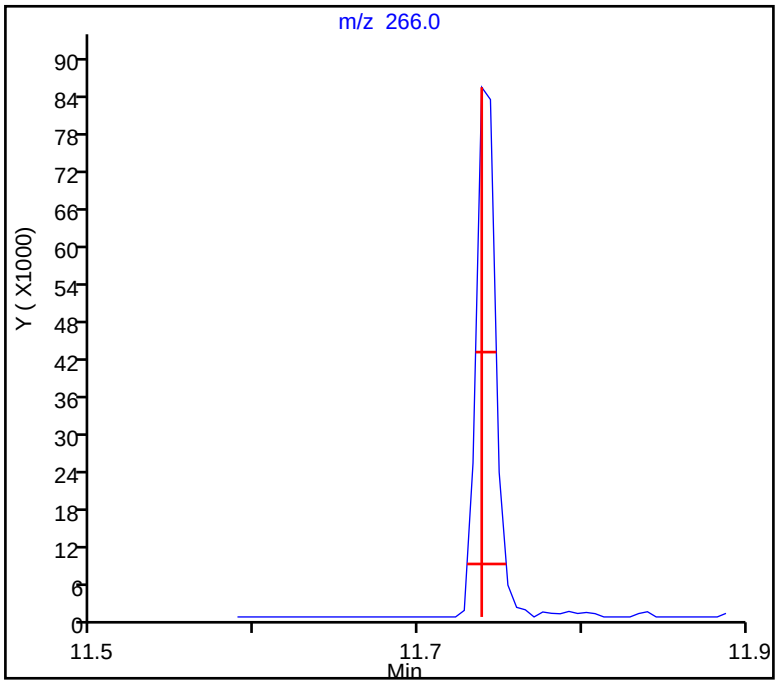
Data File: \\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313124.D
Injection Date: 20-Nov-2018 14:36:30 Instrument ID: HP5973V
Lims ID: DFTPP
Client ID:
Operator ID: PJQ ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: V-8270 Limit Group: MB - 8270D ICAL

104 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.015 (min.)
Front Width = 0.009 (min.)

Tailing Factor = 1.7, Max. Tailing < 2.00
Passed



Peak Tailing Report

TestAmerica Buffalo

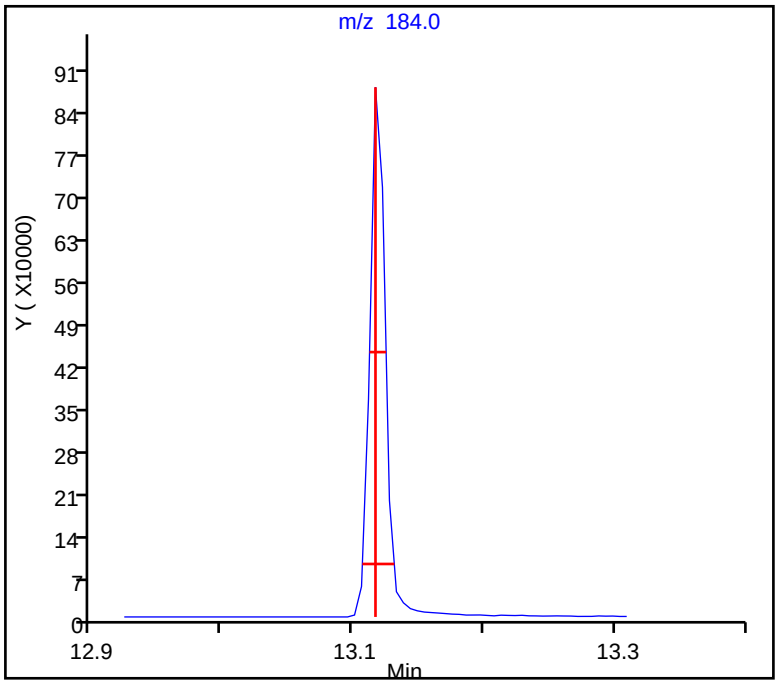
Data File: \\chromdocs2018\q3\Buffalo\ChromData\HP5973V\20181120-76624.b\V313124.D
Injection Date: 20-Nov-2018 14:36:30 Instrument ID: HP5973V
Lims ID: DFTPP
Client ID:
Operator ID: PJQ ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: V-8270 Limit Group: MB - 8270D ICAL

128 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.014 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.4, Max. Tailing < 2.00
Passed



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-145287-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-445849/1-A

Matrix: Solid | Lab File ID: V313110.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3550C | Date Extracted: 11/15/2018 14:22

Sample wt/vol: 30.72(g) | Date Analyzed: 11/19/2018 14:27

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 446419 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		170	45
88-06-2	2,4,6-Trichlorophenol	ND		170	33
120-83-2	2,4-Dichlorophenol	ND		170	18
105-67-9	2,4-Dimethylphenol	ND		170	40
51-28-5	2,4-Dinitrophenol	ND		1600	770
121-14-2	2,4-Dinitrotoluene	ND		170	34
606-20-2	2,6-Dinitrotoluene	ND		170	20
91-58-7	2-Chloronaphthalene	ND		170	27
95-57-8	2-Chlorophenol	ND		170	30
91-57-6	2-Methylnaphthalene	ND		170	33
95-48-7	2-Methylphenol	ND		170	20
88-74-4	2-Nitroaniline	ND		320	24
88-75-5	2-Nitrophenol	ND		170	47
91-94-1	3,3'-Dichlorobenzidine	ND		320	200
99-09-2	3-Nitroaniline	ND		320	46
534-52-1	4,6-Dinitro-2-methylphenol	ND		320	170
101-55-3	4-Bromophenyl phenyl ether	ND		170	23
59-50-7	4-Chloro-3-methylphenol	ND		170	41
106-47-8	4-Chloroaniline	ND		170	41
7005-72-3	4-Chlorophenyl phenyl ether	ND		170	21
106-44-5	4-Methylphenol	ND		320	20
100-01-6	4-Nitroaniline	ND		320	87
100-02-7	4-Nitrophenol	ND		320	120
83-32-9	Acenaphthene	ND		170	24
208-96-8	Acenaphthylene	ND		170	21
98-86-2	Acetophenone	ND		170	22
120-12-7	Anthracene	ND		170	41
1912-24-9	Atrazine	ND		170	58
100-52-7	Benzaldehyde	ND		170	130
56-55-3	Benzo(a)anthracene	ND		170	17
50-32-8	Benzo(a)pyrene	ND		170	24
205-99-2	Benzo(b)fluoranthene	ND		170	26
191-24-2	Benzo(g,h,i)perylene	ND		170	18
207-08-9	Benzo(k)fluoranthene	ND		170	21

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-145287-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-445849/1-A

Matrix: Solid | Lab File ID: V313110.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3550C | Date Extracted: 11/15/2018 14:22

Sample wt/vol: 30.72(g) | Date Analyzed: 11/19/2018 14:27

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 446419 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		170	24
108-60-1	bis (2-chloroisopropyl) ether	ND		170	33
111-91-1	Bis(2-chloroethoxy)methane	ND		170	35
111-44-4	Bis(2-chloroethyl)ether	ND		170	21
117-81-7	Bis(2-ethylhexyl) phthalate	ND		170	57
85-68-7	Butyl benzyl phthalate	ND		170	27
105-60-2	Caprolactam	ND		170	50
86-74-8	Carbazole	ND		170	20
218-01-9	Chrysene	ND		170	37
53-70-3	Dibenz(a,h)anthracene	ND		170	29
132-64-9	Dibenzofuran	ND		170	20
84-66-2	Diethyl phthalate	ND		170	21
131-11-3	Dimethyl phthalate	ND		170	20
84-74-2	Di-n-butyl phthalate	ND		170	28
117-84-0	Di-n-octyl phthalate	ND		170	20
206-44-0	Fluoranthene	ND		170	18
86-73-7	Fluorene	ND		170	20
118-74-1	Hexachlorobenzene	ND		170	22
87-68-3	Hexachlorobutadiene	ND		170	24
77-47-4	Hexachlorocyclopentadiene	ND		170	22
67-72-1	Hexachloroethane	ND		170	21
193-39-5	Indeno(1,2,3-cd)pyrene	ND		170	21
78-59-1	Isophorone	ND		170	35
91-20-3	Naphthalene	ND		170	21
98-95-3	Nitrobenzene	ND		170	19
621-64-7	N-Nitrosodi-n-propylamine	ND		170	28
86-30-6	N-Nitrosodiphenylamine	ND		170	130
87-86-5	Pentachlorophenol	ND		320	170
85-01-8	Phenanthrene	ND		170	24
108-95-2	Phenol	ND		170	25
129-00-0	Pyrene	ND		170	20

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-145287-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-445849/1-A

Matrix: Solid | Lab File ID: V313110.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3550C | Date Extracted: 11/15/2018 14:22

Sample wt/vol: 30.72(g) | Date Analyzed: 11/19/2018 14:27

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 446419 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	84		54-120
321-60-8	2-Fluorobiphenyl	91		60-120
367-12-4	2-Fluorophenol	84		52-120
4165-60-0	Nitrobenzene-d5	87		53-120
4165-62-2	Phenol-d5	86		54-120
1718-51-0	p-Terphenyl-d14	102		65-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181119-76580.b\V313110.D
Lims ID: MB 480-445849/1-A
Client ID:
Sample Type: MB
Inject. Date: 19-Nov-2018 14:27:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0076580-006
Operator ID: PJQ Instrument ID: HP5973V

Method: \\ChromNA\Buffalo\ChromData\HP5973V\20181119-76580.b\V-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 20-Nov-2018 11:16:05 Calib Date: 14-Nov-2018 18:42:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313041.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0331

First Level Reviewer: quirkp Date: 20-Nov-2018 11:16:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.834	6.840	-0.006	97	237729	40.0	40.0	
* 2 Naphthalene-d8	136	8.357	8.357	0.000	100	875555	40.0	40.0	
* 3 Acenaphthene-d10	164	10.414	10.419	-0.005	96	414605	40.0	40.0	
* 4 Phenanthrene-d10	188	11.926	11.931	-0.005	98	657537	40.0	40.0	
* 5 Chrysene-d12	240	14.319	14.324	-0.005	99	584110	40.0	40.0	
* 6 Perylene-d12	264	15.900	15.900	0.000	98	559833	40.0	40.0	
$ 7 2-Fluorophenol	112	5.226	5.217	0.005	93	289666	40.0	33.7	
$ 8 Phenol-d5	99	6.348	6.343	0.000	97	346187	40.0	34.4	
$ 9 Nitrobenzene-d5	82	7.486	7.486	0.000	90	299804	40.0	34.9	
$ 10 2-Fluorobiphenyl	172	9.623	9.623	0.000	100	554787	40.0	36.6	
$ 11 2,4,6-Tribromophenol	330	11.242	11.242	0.000	92	58806	40.0	33.7	
$ 12 p-Terphenyl-d14	244	13.336	13.336	0.000	99	513155	40.0	40.9	
33 2-Chlorotoluene	91		2.170					ND	
59 o-Anisidine	1		2.170					ND	
49 Chlorobenzotrifluoride N.O	1		2.170					ND	
52 Chlorotoluene N.O.S	1		2.170					ND	
15 Lidocaine	1		2.170					ND	
68 1,4-Dioxane	88		2.774					ND	
69 N-Nitrosodimethylamine	42		3.260					ND	
70 Pyridine	52		3.357					ND	
72 2-Picoline	93		4.466					ND	
73 N-Nitrosomethylethylamine	88		4.578					ND	
249 Acrylamide	44		4.936					ND	
74 Methyl methanesulfonate	80		4.984					ND	
77 N-Nitrosodiethylamine	102		5.513					ND	
78 Ethyl methanesulfonate	79		5.860					ND	
80 Benzaldehyde	77		6.305					ND	
81 Phenol	94		6.364					ND	
82 Aniline	93		6.428					ND	
83 Bis(2-chloroethyl)ether	93		6.487					ND	
85 Pentachloroethane	167		6.507					ND	
84 2-Chlorophenol	128		6.583					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
263 n-Decane	57	6.615	6.615	-0.006	89	3504		0.3443	
75 4-Chloropyridine	78		6.665					ND	
76 3-Chloropyridine	78		6.665					ND	
87 1,3-Dichlorobenzene	146		6.776					ND	
88 1,4-Dichlorobenzene	146		6.856					ND	
90 Benzyl alcohol	108		6.973					ND	
91 1,2-Dichlorobenzene	146		7.048					ND	
92 2-Methylphenol	108		7.091					ND	
93 2,2'-oxybis[1-chloropropan	45		7.133					ND	
248 Indene	115		7.150					ND	
79 2-Chloropyridine	78		7.221					ND	
97 N-Nitrosopyrrolidine	100		7.255					ND	
96 4-Methylphenol	108		7.272					ND	
95 N-Nitrosodi-n-propylamine	70		7.283					ND	
98 N-Nitrosomorpholine	56		7.297					ND	
94 Acetophenone	105		7.299					ND	
100 2-Toluidine	106		7.340					ND	
101 4-Methylbenzenamine	106		7.345					ND	
99 Hexachloroethane	117		7.459					ND	
17 2,4-Dichlorotoluene	125		7.473					ND	
102 Nitrobenzene	77		7.507					ND	
58 1,3,5-Trichlorobenzene	180		7.591					ND	
105 N-Nitrosopiperidine	114		7.677					ND	
106 Isophorone	82		7.780					ND	
109 2-Chloroaniline	127		7.842					ND	
107 2-Nitrophenol	139		7.892					ND	
267 CBF-400	214		7.900					ND	
108 2,4-Dimethylphenol	107		7.908					ND	
37 4-Chlorophenol	128		7.970					ND	
113 o,o',o''-Triethylphosphoro	198		7.981					ND	
110 Tetraethyl lead	237		7.992					ND	
111 Bis(2-chloroethoxy)methane	93		8.020					ND	
115 Benzoic acid	105		8.026					ND	
114 2,4-Dichlorophenol	162		8.170					ND	
116 alpha,alpha-Dimethyl phene	58		8.190					ND	
298 1,3-Dibromobenzene TIC	236		8.280					ND	
117 1,2,4-Trichlorobenzene	180		8.282					ND	
299 1,4-Dibromobenzene TIC	236		8.329					ND	
86 p-Fluoroaniline	111		8.359					ND	
120 Alpha-Terpineol	59		8.366					ND	
118 Naphthalene	128		8.384					ND	
119 4-Chloroaniline	127		8.421					ND	
122 2,6-Dichlorophenol	162		8.442					ND	
123 Hexachloropropene	213		8.494					ND	
121 Hexachlorobutadiene	225		8.528					ND	
13 N-Methylaniline	106		8.589					ND	
125 Quinoline	129		8.767					ND	
127 N-Nitrosodi-n-butylamine	84		8.804					ND	
124 Caprolactam	113		8.822					ND	
126 p-Phenylene diamine	108		8.831					ND	
272 2,4,5-Trichlorotoluene	159		8.836					ND	
103 2,6-Dichloropyridine	112		8.872					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
129 4-Chloro-3-methylphenol	107		8.977					ND	
132 Safrole, Total	162		9.076					ND	
131 2-Methylnaphthalene	142		9.201					ND	
133 Phthalic anhydride	104		9.242					ND	
251 1-Methylnaphthalene	142		9.324					ND	
134 Hexachlorocyclopentadiene	237		9.393					ND	
135 1,2,4,5-Tetrachlorobenzene	216		9.404					ND	
275 1,2,3,4 -Tetrachlorobenzen	216		9.423					ND	
291 Isosafrole Peak 1	162		9.424					ND	
137 2,4,6-Trichlorophenol	196		9.527					ND	
274 2,3-Dichlorobenzenamine	161		9.530					ND	
138 2,4,5-Trichlorophenol	196		9.570					ND	
142 Isosafrole	162		9.691					ND	
293 Isosafrole Peak 2	162		9.691					ND	
140 1,1'-Biphenyl	154		9.746					ND	
141 2-Chloronaphthalene	162		9.783					ND	
253 1-Chloronaphthalene	162		9.814					ND	
143 2-Nitroaniline	65		9.879					ND	
266 NVF-400	82		9.940					ND	
145 1,4-Naphthoquinone	158		9.969					ND	
144 Dicyclohexylamine	138		9.979					ND	
230 Benzeneacetic acid (TIC)	91		10.016					ND	
147 1,4-Dinitrobenzene	168		10.017					ND	
146 Dimethyl phthalate	163		10.072					ND	
148 1,3-Dinitrobenzene	168		10.114					ND	
149 2,6-Dinitrotoluene	165		10.146					ND	
35 n,n'-Dimethylacetamide	44		10.170					ND	
150 Acenaphthylene	152		10.264					ND	
151 3-Nitroaniline	138		10.339					ND	
36 Benzeneacetonitrile	117		10.395					ND	
153 2,4-Dinitrophenol	184		10.456					ND	
152 Acenaphthene	153		10.456					ND	
154 4-Nitrophenol	109		10.499					ND	
156 2,4-Dinitrotoluene	165		10.595					ND	
157 Pentachlorobenzene	250		10.599					ND	
155 Dibenzofuran	168		10.638					ND	
264 2,3,5,6-Tetrachlorophenol	232		10.711					ND	
159 1-Naphthylamine	143		10.711					ND	
158 2,3,4,6-Tetrachlorophenol	232		10.761					ND	
160 2-Naphthylamine	143		10.791					ND	
161 Diethyl phthalate	149		10.830					ND	
256 Hexadecane	57		10.841					ND	U
166 Thionazin	97		10.914					ND	
163 4-Chlorophenyl phenyl ethe	204		10.975					ND	
167 N-Nitro-o-toluidine	152		10.984					ND	
164 4-Nitroaniline	138		10.991					ND	
162 Fluorene	166		11.001					ND	
172 Tributyl phosphate	99		11.026					ND	
165 4,6-Dinitro-2-methylphenol	198		11.028					ND	
168 N-Nitrosodiphenylamine	169		11.092					ND	
169 Diphenylamine	169		11.092					ND	
171 Azobenzene	77		11.140					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
170 1,2-Diphenylhydrazine	77		11.140					ND	
173 Sulfotepp	322		11.224					ND	
174 1,3,5-Trinitrobenzene	213		11.320					ND	
176 Diallate	86		11.374					ND	
178 Phenacetin	108		11.374					ND	
294 Diallate Peak 1	86		11.374					ND	
177 Phorate	75		11.379					ND	
296 Diallate Peak 2	86		11.464					ND	
175 4-Bromophenyl phenyl ether	248		11.471					ND	
181 Dimethoate	87		11.545					ND	
179 Hexachlorobenzene	284		11.562					ND	
184 Simazine	201		11.566					ND	
180 Atrazine	200		11.594					ND	
185 4-Aminobiphenyl	169		11.737					ND	
183 Pentachlorophenol	266		11.738					ND	
265 n-Octadecane	57	11.744	11.749	-0.005	1	1948		0.2060	
186 Pentachloronitrobenzene	237		11.753					ND	
187 Pronamide	173		11.753					ND	
190 Disulfoton	88		11.881					ND	
191 Dinoseb	211		11.886					ND	
188 Phenanthrene	178		11.952					ND	
189 Anthracene	178		12.000					ND	
192 Carbazole	167		12.134					ND	
276 2-Methylanthracene	192		12.185					ND	
194 Alachlor	160		12.233					ND	
193 Methyl parathion	109		12.234					ND	
44 1-Methylcyclopentanol	71		12.261					ND	
195 Di-n-butyl phthalate	149		12.396					ND	
196 Ethyl Parathion	97		12.576					ND	
197 4-Nitroquinoline-1-oxide	190		12.640					ND	
198 Anthraquinone	180		12.671					ND	
199 Methapyrilene	58		12.682					ND	
200 Isodrin	193		12.907					ND	
201 Fluoranthene	202		13.037					ND	
203 1-Hydroxyanthraquinone	224		13.056					ND	
202 Benzidine	184		13.117					ND	
204 Pyrene	202		13.250					ND	
292 Aramite Peak 1	185		13.275					ND	
205 Aramite, Total	185		13.339					ND	
295 Aramite Peak 2	185		13.339					ND	
206 p-Dimethylamino azobenzene	120		13.452					ND	
207 1,4-Dihydroxyanthraquinone	240		13.473					ND	
208 Chlorobenzilate	139		13.478					ND	
211 Famphur	218		13.697					ND	
212 9-Octadecenamide	72		13.713					ND	
210 Butyl benzyl phthalate	149		13.731					ND	
209 3,3'-Dimethylbenzidine	212		13.751					ND	
213 Kepone	272		13.857					ND	
214 2-Acetylaminofluorene	181		13.981					ND	
216 Bis(2-ethylhexyl) phthalat	149		14.201					ND	
19 4,4'-Methylene bis(2-chlor	231		14.237					ND	
215 3,3'-Dichlorobenzidine	252		14.249					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
217 Benzo[a]anthracene	228		14.313					ND	
218 Chrysene	228		14.345					ND	
254 6-Methylchrysene	242		14.771					ND	
220 Di-n-octyl phthalate	149		14.800					ND	
273 Benzo[e]pyrene	252		15.343					ND	
223 7,12-Dimethylbenz(a)anthra	256		15.386					ND	
221 Benzo[b]fluoranthene	252		15.425					ND	
222 Benzo[k]fluoranthene	252		15.451					ND	
224 Hexachlorophene	196		15.509					ND	
225 Benzo[a]pyrene	252		15.831					ND	
226 3-Methylcholanthrene	252		16.251					ND	
269 CN-500	112		16.521					ND	
54 Dibenz[a,h]acridine	279		17.058					ND	
271 CU-600	58		17.216					ND	
228 Dibenz(a,h)anthracene	278		17.492					ND	
227 Indeno[1,2,3-cd]pyrene	276		17.497					ND	
270 CBF-500	161		17.852					ND	
268 CAG-800	149		17.954					ND	
229 Benzo[g,h,i]perylene	276		17.994					ND	
231 Dibenzo[a,e]pyrene	302		21.455					ND	
297 2-Aminopyridine TIC	1		0.000					ND	
39 4-Chlorotoluene	91		2.129					ND	
246 Phenylmercaptan	110		2.146					ND	
282 1,2,3-Trimethylbenzene	105		2.167					ND	
16 Dibenzo[a,h]pyrene	1		2.170					ND	
29 2,3-Dichlorophenol	1		2.170					ND	
261 3-Chlorobenzotrifluoride T	1		2.170					ND	
22 Phenylacetic Acid	1		2.170					ND	
56 7H-Dibenzo[c,g]carbazole	1		2.170					ND	
247 Octachlorostyrene	1		2.170					ND	
41 5-Methyl-o-Anisidine	1		2.170					ND	
57 2,4-Toluene diamine	1		2.170					ND	
255 Dibenz(a,i)pyrene	1		2.170					ND	
31 Pendimethalin	1		2.170					ND	
62 Dibenz[a,j]acridine	279		2.170					ND	
67 1-Bromopropane	1		2.170					ND	
34 3-Chlorotoluene	1		2.170					ND	
38 Tetramethyl lead TIC	1		2.170					ND	
259 2-Chlorobenzotrifluoride T	1		2.170					ND	
65 Hexamethyldisiloxane TIC	1		2.170					ND	
30 3-Chlorobenzotrifluoride	1		2.170					ND	
257 2,6-Dichlorotoluene TIC	1		2.170					ND	
290 Photomirex TIC	1		2.170					ND	
61 4-Chlorobenzotrifluoride	1		2.170					ND	
260 2,4-Dichlorotoluene TIC	1		2.170					ND	
42 2-Chlorobenzotrifluoride	1		2.170					ND	
250 n,n'-Dimethylaniline	1		2.170					ND	
104 Pentachlorophenol_T	266		11.739					ND	
128 Benzidine_T	184		13.117					ND	
S 245 EPH Adjustment 1	1		2.170					ND	
S 232 Total Cresols	1		2.170					ND	
S 233 3-Methylphenol	1		8.667					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
S 234 3 & 4 Methylphenol	108		8.667					ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

MB_INTSTD_STK_00055 Amount Added: 20.00 Units: uL Run Reagent

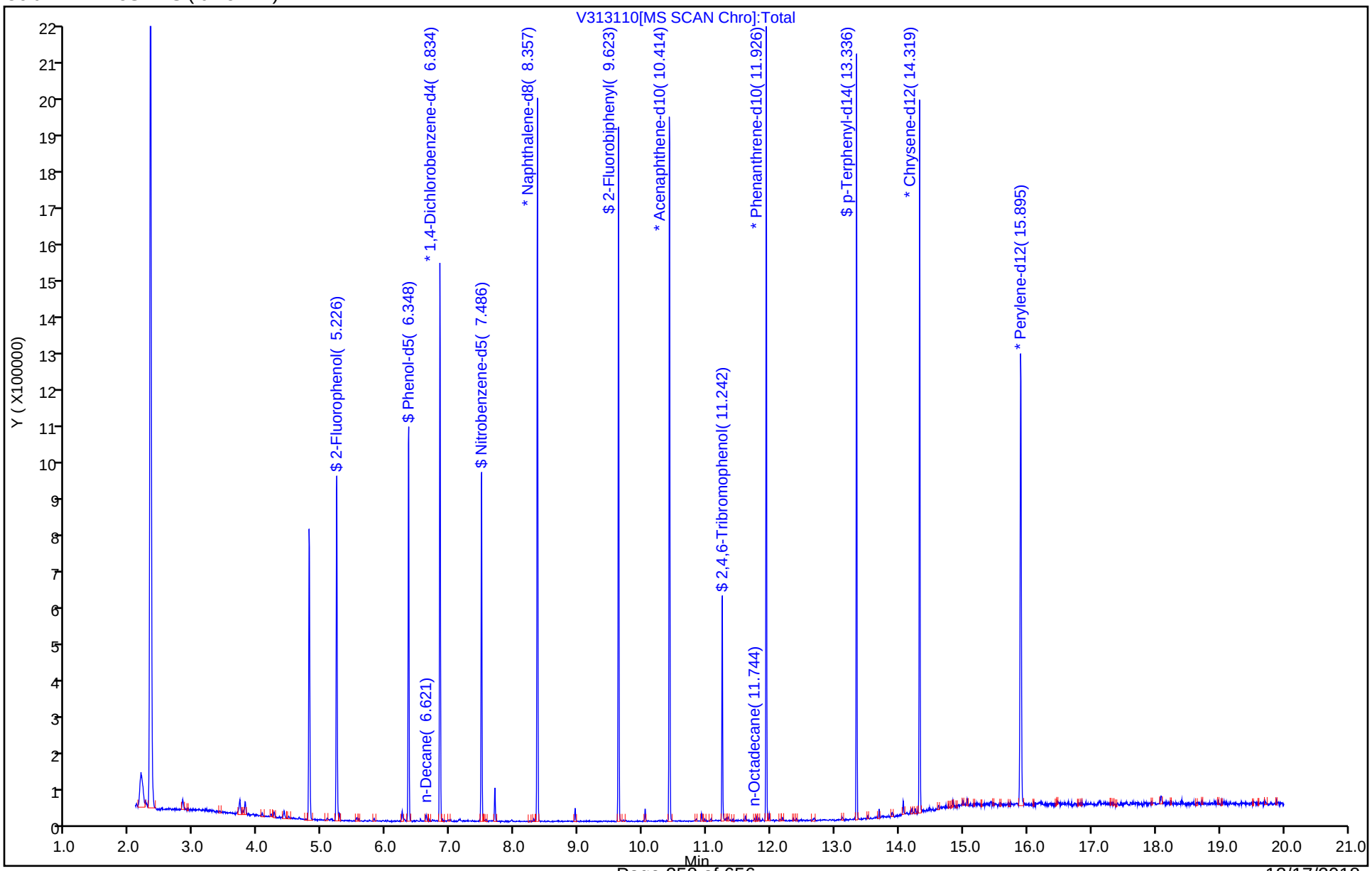
Report Date: 20-Nov-2018 11:16:05 Chrom Revision: 2.3 19-Nov-2018 09:14:08

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181119-76580.b\V313110.D

Injection Date:	19-Nov-2018 14:27:30	Instrument ID:	HP5973V	Operator ID:	PJQ
Lims ID:	MB 480-445849/1-A			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	V-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-145287-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-445849/2-A

Matrix: Solid | Lab File ID: V313111.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3550C | Date Extracted: 11/15/2018 14:22

Sample wt/vol: 30.11(g) | Date Analyzed: 11/19/2018 14:55

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 446419 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	1510		170	46
88-06-2	2,4,6-Trichlorophenol	1550		170	34
120-83-2	2,4-Dichlorophenol	1400		170	18
105-67-9	2,4-Dimethylphenol	1420		170	41
51-28-5	2,4-Dinitrophenol	2420		1700	780
121-14-2	2,4-Dinitrotoluene	1550		170	35
606-20-2	2,6-Dinitrotoluene	1530		170	20
91-58-7	2-Chloronaphthalene	1480		170	28
95-57-8	2-Chlorophenol	1300		170	31
91-57-6	2-Methylnaphthalene	1420		170	34
95-48-7	2-Methylphenol	1330		170	20
88-74-4	2-Nitroaniline	1550		330	25
88-75-5	2-Nitrophenol	1320		170	48
91-94-1	3,3'-Dichlorobenzidine	2760		330	200
99-09-2	3-Nitroaniline	1320		330	47
534-52-1	4,6-Dinitro-2-methylphenol	2950		330	170
101-55-3	4-Bromophenyl phenyl ether	1570		170	24
59-50-7	4-Chloro-3-methylphenol	1490		170	42
106-47-8	4-Chloroaniline	1280		170	42
7005-72-3	4-Chlorophenyl phenyl ether	1510		170	21
106-44-5	4-Methylphenol	1380		330	20
100-01-6	4-Nitroaniline	1430		330	89
100-02-7	4-Nitrophenol	3180		330	120
83-32-9	Acenaphthene	1470		170	25
208-96-8	Acenaphthylene	1530		170	22
98-86-2	Acetophenone	1340		170	23
120-12-7	Anthracene	1710		170	42
1912-24-9	Atrazine	3090		170	59
100-52-7	Benzaldehyde	2130		170	130
56-55-3	Benzo(a)anthracene	1620		170	17
50-32-8	Benzo(a)pyrene	1670		170	25
205-99-2	Benzo(b)fluoranthene	1730		170	27
191-24-2	Benzo(g,h,i)perylene	1580		170	18
207-08-9	Benzo(k)fluoranthene	1640		170	22

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-145287-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-445849/2-A

Matrix: Solid | Lab File ID: V313111.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3550C | Date Extracted: 11/15/2018 14:22

Sample wt/vol: 30.11(g) | Date Analyzed: 11/19/2018 14:55

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 446419 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	1550		170	25
108-60-1	bis (2-chloroisopropyl) ether	1260		170	34
111-91-1	Bis(2-chloroethoxy)methane	1360		170	36
111-44-4	Bis(2-chloroethyl)ether	1270		170	22
117-81-7	Bis(2-ethylhexyl) phthalate	1830		170	58
85-68-7	Butyl benzyl phthalate	1750		170	28
105-60-2	Caprolactam	2840		170	51
86-74-8	Carbazole	1680		170	20
218-01-9	Chrysene	1620		170	38
53-70-3	Dibenz(a,h)anthracene	1590		170	30
132-64-9	Dibenzofuran	1550		170	20
84-66-2	Diethyl phthalate	1640		170	22
131-11-3	Dimethyl phthalate	1620		170	20
84-74-2	Di-n-butyl phthalate	1800		170	29
117-84-0	Di-n-octyl phthalate	1820		170	20
206-44-0	Fluoranthene	1660		170	18
86-73-7	Fluorene	1590		170	20
118-74-1	Hexachlorobenzene	1550		170	23
87-68-3	Hexachlorobutadiene	1390		170	25
77-47-4	Hexachlorocyclopentadiene	1390		170	23
67-72-1	Hexachloroethane	1220		170	22
193-39-5	Indeno(1,2,3-cd)pyrene	1610		170	21
78-59-1	Isophorone	1440		170	36
91-20-3	Naphthalene	1370		170	22
98-95-3	Nitrobenzene	1350		170	19
621-64-7	N-Nitrosodi-n-propylamine	1330		170	29
86-30-6	N-Nitrosodiphenylamine	1670		170	140
87-86-5	Pentachlorophenol	3170		330	170
85-01-8	Phenanthrene	1660		170	25
108-95-2	Phenol	1330		170	26
129-00-0	Pyrene	1740		170	20

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-145287-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-445849/2-A

Matrix: Solid | Lab File ID: V313111.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3550C | Date Extracted: 11/15/2018 14:22

Sample wt/vol: 30.11(g) | Date Analyzed: 11/19/2018 14:55

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

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 446419 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	95		54-120
321-60-8	2-Fluorobiphenyl	87		60-120
367-12-4	2-Fluorophenol	74		52-120
4165-60-0	Nitrobenzene-d5	78		53-120
4165-62-2	Phenol-d5	76		54-120
1718-51-0	p-Terphenyl-d14	101		65-121

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181119-76580.b\V313111.D
Lims ID: LCS 480-445849/2-A
Client ID:
Sample Type: LCS
Inject. Date: 19-Nov-2018 14:55:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0076580-007
Operator ID: PJQ Instrument ID: HP5973V

Method: \\ChromNA\Buffalo\ChromData\HP5973V\20181119-76580.b\V-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 20-Nov-2018 11:17:35 Calib Date: 14-Nov-2018 18:42:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP5973V\20181114-76436.b\V313041.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0331

First Level Reviewer: quirkp Date: 20-Nov-2018 11:17:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.840	6.840	0.000	97	250003	40.0	40.0	
* 2 Naphthalene-d8	136	8.357	8.357	0.000	100	901114	40.0	40.0	
* 3 Acenaphthene-d10	164	10.419	10.419	0.000	94	433532	40.0	40.0	
* 4 Phenanthrene-d10	188	11.925	11.931	-0.006	98	698733	40.0	40.0	
* 5 Chrysene-d12	240	14.324	14.324	0.000	100	613221	40.0	40.0	
* 6 Perylene-d12	264	15.900	15.900	0.000	97	583178	40.0	40.0	
$ 7 2-Fluorophenol	112	5.226	5.217	0.005	94	268586	40.0	29.7	
$ 8 Phenol-d5	99	6.348	6.343	0.000	97	321991	40.0	30.4	
$ 9 Nitrobenzene-d5	82	7.486	7.486	0.000	90	274772	40.0	31.1	
$ 10 2-Fluorobiphenyl	172	9.623	9.623	0.000	100	554673	40.0	35.0	
$ 11 2,4,6-Tribromophenol	330	11.242	11.242	0.000	91	70464	40.0	38.0	
$ 12 p-Terphenyl-d14	244	13.336	13.336	0.000	99	530410	40.0	40.2	
68 1,4-Dioxane	88	2.779	2.772	0.005	97	70740	50.0	20.1	
69 N-Nitrosodimethylamine	42	3.266	3.258	0.006	91	172164	50.0	35.8	
70 Pyridine	52	3.362	3.354	0.006	86	357039	100.0	49.0	
80 Benzaldehyde	77	6.305	6.300	0.000	92	427862	100.0	64.2	
81 Phenol	94	6.364	6.359	0.000	99	410233	50.0	40.1	
82 Aniline	93	6.428	6.423	0.000	97	437816	50.0	35.5	
83 Bis(2-chloroethyl)ether	93	6.487	6.482	0.000	97	309851	50.0	38.3	
84 2-Chlorophenol	128	6.583	6.578	0.000	97	344130	50.0	39.0	
263 n-Decane	57	6.621	6.615	-0.001	94	337386	50.0	31.5	
87 1,3-Dichlorobenzene	146	6.775	6.770	-0.001	98	339577	50.0	35.6	
88 1,4-Dichlorobenzene	146	6.856	6.850	0.000	94	344640	50.0	35.6	
90 Benzyl alcohol	108	6.973	6.968	0.000	93	223443	50.0	40.1	
91 1,2-Dichlorobenzene	146	7.048	7.042	0.000	97	327752	50.0	36.1	
92 2-Methylphenol	108	7.096	7.085	0.005	96	302062	50.0	40.1	
93 2,2'-oxybis[1-chloropropan	45	7.133	7.128	0.000	94	535036	50.0	37.9	
248 Indene	115	7.155	7.149	0.005	91	2810148	400.0	213.9	
96 4-Methylphenol	108	7.272	7.267	0.000	95	326795	50.0	41.6	
95 N-Nitrosodi-n-propylamine	70	7.283	7.277	0.000	93	228037	50.0	39.9	
94 Acetophenone	105	7.299	7.293	0.000	96	447452	50.0	40.2	
99 Hexachloroethane	117	7.459	7.453	0.000	97	135853	50.0	36.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
102 Nitrobenzene	77	7.507	7.507	0.000	91	328818	50.0	40.7	
106 Isophorone	82	7.780	7.780	0.000	98	610989	50.0	43.5	
107 2-Nitrophenol	139	7.892	7.892	0.000	96	179666	50.0	39.8	
108 2,4-Dimethylphenol	107	7.908	7.908	0.000	96	343274	50.0	42.7	
111 Bis(2-chloroethoxy)methane	93	8.020	8.020	0.000	98	368611	50.0	40.9	
115 Benzoic acid	105	8.074	7.956	0.048	88	1738957	400.0	278.4	
114 2,4-Dichlorophenol	162	8.170	8.170	0.000	95	283908	50.0	42.2	
117 1,2,4-Trichlorobenzene	180	8.282	8.282	0.000	94	283277	50.0	39.9	
118 Naphthalene	128	8.383	8.384	-0.001	97	906249	50.0	41.3	
119 4-Chloroaniline	127	8.421	8.421	0.000	97	369663	50.0	38.4	
122 2,6-Dichlorophenol	162	8.442	8.442	0.000	98	274947	50.0	40.7	
121 Hexachlorobutadiene	225	8.528	8.528	0.000	96	153536	50.0	41.9	
124 Caprolactam	113	8.843	8.822	0.021	76	219707	100.0	85.6	
129 4-Chloro-3-methylphenol	107	8.976	8.977	-0.001	98	296561	50.0	44.8	
131 2-Methylnaphthalene	142	9.201	9.201	0.000	93	634416	50.0	42.7	
251 1-Methylnaphthalene	142	9.324	9.324	0.000	93	580118	50.0	41.9	
134 Hexachlorocyclopentadiene	237	9.393	9.393	0.000	98	175755	50.0	42.0	
135 1,2,4,5-Tetrachlorobenzene	216	9.404	9.404	0.000	98	267685	50.0	43.4	
137 2,4,6-Trichlorophenol	196	9.527	9.527	0.000	93	199917	50.0	46.7	
138 2,4,5-Trichlorophenol	196	9.569	9.570	-0.001	95	213659	50.0	45.5	
140 1,1'-Biphenyl	154	9.746	9.746	0.000	96	719881	50.0	46.6	
141 2-Chloronaphthalene	162	9.783	9.783	0.000	96	597917	50.0	44.7	
143 2-Nitroaniline	65	9.879	9.879	0.000	84	194594	50.0	46.6	
146 Dimethyl phthalate	163	10.072	10.072	0.000	99	694814	50.0	48.7	
148 1,3-Dinitrobenzene	168	10.114	10.114	0.000	85	119118	50.0	42.0	
149 2,6-Dinitrotoluene	165	10.146	10.146	0.000	96	167207	50.0	46.0	
150 Acenaphthylene	152	10.264	10.264	0.000	98	869197	50.0	46.2	
151 3-Nitroaniline	138	10.339	10.339	0.000	95	160450	50.0	39.7	
153 2,4-Dinitrophenol	184	10.451	10.456	-0.005	68	161444	100.0	72.8	
152 Acenaphthene	153	10.451	10.456	-0.005	88	556173	50.0	44.3	
154 4-Nitrophenol	109	10.499	10.499	0.000	95	219071	100.0	95.9	
156 2,4-Dinitrotoluene	165	10.595	10.595	0.000	95	228195	50.0	46.8	
155 Dibenzofuran	168	10.638	10.638	0.000	96	833991	50.0	46.6	
158 2,3,4,6-Tetrachlorophenol	232	10.761	10.761	0.000	77	147721	50.0	42.9	
161 Diethyl phthalate	149	10.830	10.830	0.000	98	690016	50.0	49.4	
256 Hexadecane	57	10.841	10.841	0.000	92	506996	50.0	47.5	
163 4-Chlorophenyl phenyl ethe	204	10.974	10.975	-0.001	97	320074	50.0	45.5	
164 4-Nitroaniline	138	10.990	10.991	-0.001	86	188348	50.0	43.1	
162 Fluorene	166	10.996	11.001	-0.005	95	699887	50.0	47.8	
165 4,6-Dinitro-2-methylphenol	198	11.028	11.028	0.000	83	222731	100.0	88.8	
168 N-Nitrosodiphenylamine	169	11.092	11.092	0.000	98	522386	50.0	50.3	
169 Diphenylamine	169	11.092	11.092	0.000	95	522386	42.8	43.0	
171 Azobenzene	77	11.140	11.140	0.000	98	673012	50.0	51.7	
170 1,2-Diphenylhydrazine	77	11.140	11.140	0.000	99	673012	50.0	49.3	
175 4-Bromophenyl phenyl ether	248	11.471	11.471	0.000	69	175294	50.0	47.3	
179 Hexachlorobenzene	284	11.562	11.562	0.000	93	178559	50.0	46.6	
180 Atrazine	200	11.599	11.594	0.005	91	370746	100.0	93.1	
183 Pentachlorophenol	266	11.738	11.738	0.000	90	192706	100.0	95.5	
265 n-Octadecane	57	11.749	11.749	0.000	93	511983	50.0	51.0	
188 Phenanthrene	178	11.952	11.952	0.000	98	937835	50.0	50.0	
189 Anthracene	178	12.000	12.000	0.000	97	970038	50.0	51.5	
192 Carbazole	167	12.134	12.134	0.000	96	886575	50.0	50.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
195 Di-n-butyl phthalate	149	12.395	12.396	-0.001	100	1073537	50.0	54.1	
201 Fluoranthene	202	13.037	13.037	0.000	98	970351	50.0	50.1	
202 Benzidine	184	13.117	13.117	0.000	99	659462	100.0	55.8	
204 Pyrene	202	13.245	13.250	-0.005	97	997826	50.0	52.5	
210 Butyl benzyl phthalate	149	13.731	13.731	0.000	97	507736	50.0	52.8	
216 Bis(2-ethylhexyl) phthalat	149	14.201	14.201	0.000	97	702069	50.0	55.0	
215 3,3'-Dichlorobenzidine	252	14.249	14.249	0.000	75	570915	100.0	83.2	
217 Benzo[a]anthracene	228	14.308	14.313	-0.005	99	910363	50.0	48.7	
218 Chrysene	228	14.345	14.345	0.000	97	864818	50.0	48.8	
220 Di-n-octyl phthalate	149	14.799	14.800	-0.001	99	1161479	50.0	54.9	
221 Benzo[b]fluoranthene	252	15.419	15.425	-0.006	98	886685	50.0	52.2	
222 Benzo[k]fluoranthene	252	15.451	15.451	0.000	99	861191	50.0	49.5	
225 Benzo[a]pyrene	252	15.831	15.831	0.000	78	821756	50.0	50.4	
228 Dibenz(a,h)anthracene	278	17.487	17.492	-0.005	89	776020	50.0	48.0	
227 Indeno[1,2,3-cd]pyrene	276	17.492	17.497	-0.005	98	917244	50.0	48.5	
229 Benzo[g,h,i]perylene	276	17.989	17.994	-0.005	97	782443	50.0	47.7	
S 233 3-Methylphenol	1				0		50.0	41.6	

Reagents:

MB_INTSTD_STK_00055 Amount Added: 20.00 Units: uL Run Reagent

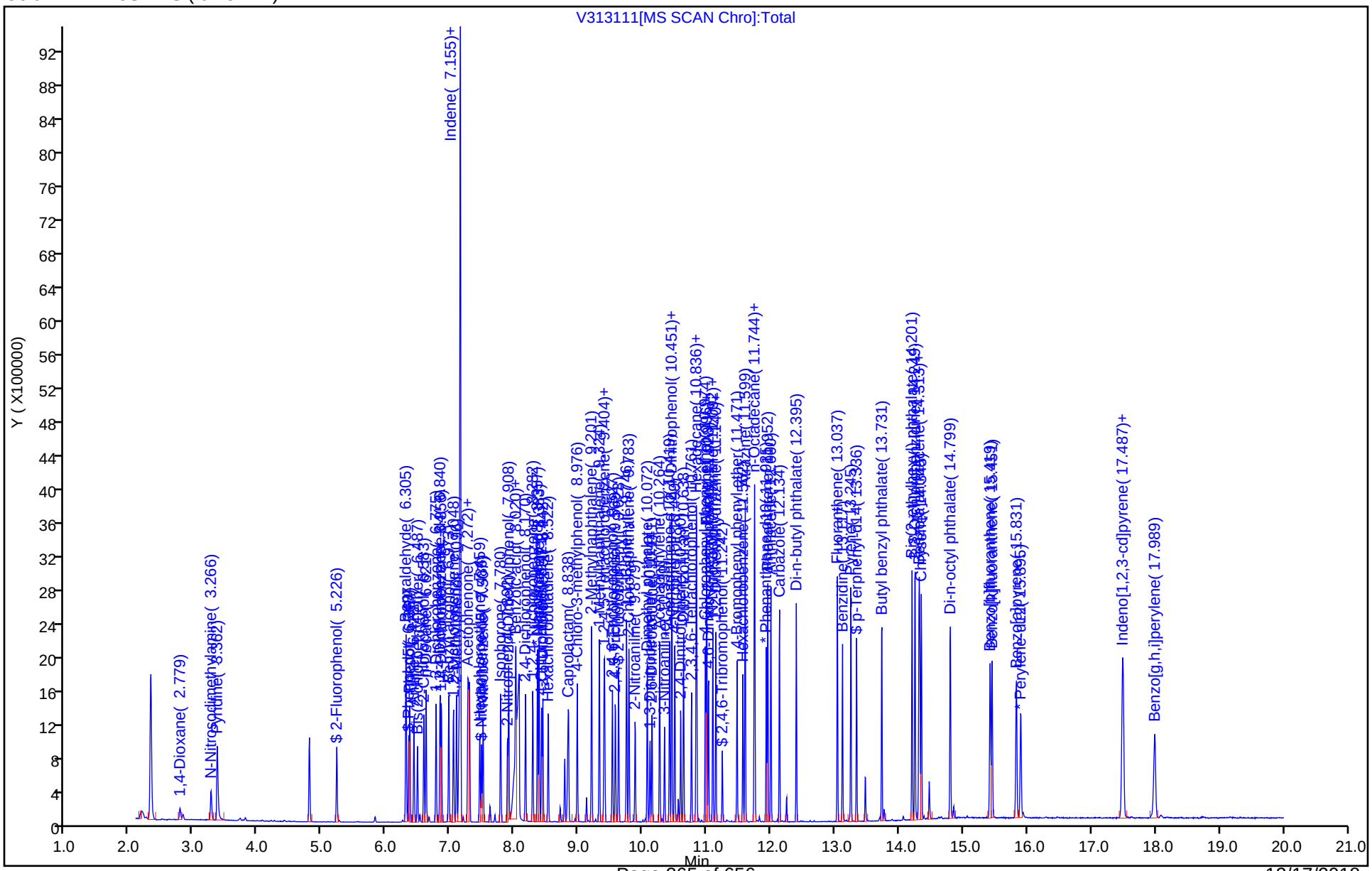
Report Date: 20-Nov-2018 11:17:36 Chrom Revision: 2.3 19-Nov-2018 09:14:08

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP5973V\20181119-76580.b\V313111.D

Injection Date:	19-Nov-2018 14:55:30	Instrument ID:	HP5973V	Operator ID:	PJQ
Lims ID:	LCS 480-445849/2-A			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	V-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Instrument ID: HP5973V Start Date: 11/14/2018 15:01

Analysis Batch Number: 445539 End Date: 11/15/2018 00:42

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-445539/2		11/14/2018 15:01	1	V313033.D	RXI-5Sil MS 0.25(mm)
IC 480-445539/3		11/14/2018 15:29	1	V313034.D	RXI-5Sil MS 0.25(mm)
IC 480-445539/4		11/14/2018 15:57	1	V313035.D	RXI-5Sil MS 0.25(mm)
IC 480-445539/5		11/14/2018 16:24	1	V313036.D	RXI-5Sil MS 0.25(mm)
IC 480-445539/6		11/14/2018 16:52	1	V313037.D	RXI-5Sil MS 0.25(mm)
ICIS 480-445539/7		11/14/2018 17:19	1	V313038.D	RXI-5Sil MS 0.25(mm)
IC 480-445539/8		11/14/2018 17:47	1	V313039.D	RXI-5Sil MS 0.25(mm)
IC 480-445539/9		11/14/2018 18:14	1	V313040.D	RXI-5Sil MS 0.25(mm)
IC 480-445539/10		11/14/2018 18:42	1	V313041.D	RXI-5Sil MS 0.25(mm)
ICV 480-445539/11		11/14/2018 19:09	1		RXI-5Sil MS 0.25(mm)
CCVIS 480-445539/12		11/14/2018 19:36	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/14/2018 20:32	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/14/2018 20:59	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/14/2018 21:27	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/14/2018 21:55	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/14/2018 22:23	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/14/2018 22:51	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/14/2018 23:20	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/14/2018 23:47	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/15/2018 00:15	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/15/2018 00:42	1		RXI-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Instrument ID: HP5973V Start Date: 11/19/2018 13:03

Analysis Batch Number: 446419 End Date: 11/19/2018 19:32

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-446419/3		11/19/2018 13:03	1	V313107.D	RXI-5Sil MS 0.25(mm)
CCVIS 480-446419/4		11/19/2018 13:31	1	V313108.D	RXI-5Sil MS 0.25(mm)
RL 480-446419/5		11/19/2018 13:59	1		RXI-5Sil MS 0.25(mm)
MB 480-445849/1-A		11/19/2018 14:27	1	V313110.D	RXI-5Sil MS 0.25(mm)
LCS 480-445849/2-A		11/19/2018 14:55	1	V313111.D	RXI-5Sil MS 0.25(mm)
ZZZZZ		11/19/2018 15:22	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/19/2018 15:50	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/19/2018 16:18	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/19/2018 16:45	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/19/2018 17:13	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/19/2018 17:41	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/19/2018 18:08	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/19/2018 18:36	5		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/19/2018 19:04	5		RXI-5Sil MS 0.25(mm)
480-145287-1		11/19/2018 19:32	1	V313121.D	RXI-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Instrument ID: HP5973V Start Date: 11/20/2018 14:36

Analysis Batch Number: 446676 End Date: 11/21/2018 01:16

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-446676/2		11/20/2018 14:36	1	V313124.D	RXI-5Sil MS 0.25(mm)
CCVIS 480-446676/3		11/20/2018 15:04	1	V313125.D	RXI-5Sil MS 0.25(mm)
RL 480-446676/4		11/20/2018 15:32	1		RXI-5Sil MS 0.25(mm)
480-145287-2		11/20/2018 16:00	1	V313127.D	RXI-5Sil MS 0.25(mm)
480-145287-3		11/20/2018 16:29	1	V313128.D	RXI-5Sil MS 0.25(mm)
480-145287-4		11/20/2018 16:57	1	V313129.D	RXI-5Sil MS 0.25(mm)
480-145287-5		11/20/2018 17:25	1	V313130.D	RXI-5Sil MS 0.25(mm)
480-145287-6		11/20/2018 17:52	1	V313131.D	RXI-5Sil MS 0.25(mm)
480-145287-7		11/20/2018 18:20	1	V313132.D	RXI-5Sil MS 0.25(mm)
480-145287-8		11/20/2018 18:48	1	V313133.D	RXI-5Sil MS 0.25(mm)
ZZZZZ		11/20/2018 19:15	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/20/2018 19:43	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/20/2018 20:10	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/20/2018 20:38	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/20/2018 21:05	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/20/2018 21:33	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/20/2018 22:01	10		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/20/2018 22:29	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/20/2018 22:57	50		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/20/2018 23:25	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/20/2018 23:53	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/21/2018 00:21	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/21/2018 00:48	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/21/2018 01:16	1		RXI-5Sil MS 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Batch Number: 445849 Batch Start Date: 11/15/18 14:22 Batch Analyst: Duda, Silka G

Batch Method: 3550C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CalcMsg	O_8270/625LCS 00137	O_8270surr 00077	
MB 480-445849/1		3550C, 8270D		30.72 g	1 mL	CALC NOT SET TO RUN		1 mL	
LCS 480-445849/2		3550C, 8270D		30.11 g	1 mL	CALC NOT SET TO RUN	1 mL	1 mL	
480-145287-B-1	SW-01	3550C, 8270D	T	30.28 g	1 mL	CALC NOT SET TO RUN		1 mL	
480-145287-B-2	SW-02	3550C, 8270D	T	30.85 g	1 mL	CALC NOT SET TO RUN		1 mL	
480-145287-C-3	SW-03	3550C, 8270D	T	30.63 g	1 mL	CALC NOT SET TO RUN		1 mL	
480-145287-C-4	SW-04	3550C, 8270D	T	30.37 g	1 mL	CALC NOT SET TO RUN		1 mL	
480-145287-A-5	B-1	3550C, 8270D	T	30.12 g	1 mL	CALC NOT SET TO RUN		1 mL	
480-145287-A-6	SW-05	3550C, 8270D	T	30.86 g	1 mL	CALC NOT SET TO RUN		1 mL	
480-145287-A-7	B-2	3550C, 8270D	T	30.24 g	1 mL	CALC NOT SET TO RUN		1 mL	
480-145287-B-8	SW-06	3550C, 8270D	T	30.92 g	1 mL	CALC NOT SET TO RUN		1 mL	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Batch Number: 445849 Batch Start Date: 11/15/18 14:22 Batch Analyst: Duda, Silka G

Batch Method: 3550C Batch End Date:

Batch Notes	
Balance ID	Balance #5
Batch Comment	paper filter : #15541069
Blank Matrix ID	4895626
Analyst ID - Concentration	SD
Analyst ID - Extraction	SD
Filter ID	15541069
Method/Fraction	3550C/8270D
Na2SO4 ID	4895626
Nominal Amount Used	30 g
Prep Solvent ID	4991873/4965828
Analyst ID - Spike Analyst	SD
Analyst ID - Spike Witness Analyst	SD
Sufficient Volume for Batch QC	Yes
Vial Lot Number	1709111094

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8082A

Polychlorinated Biphenyls (PCBs) (GC) by Method 8082A

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): ZB-5 ID: 0.53(mm) GC Column (2): ZB-35 ID: 0.53(mm)

Client Sample ID	Lab Sample ID	TCX1	#	TCX2	#	DCBP1	#	DCBP2	#
SW-01	480-145287-1	155	X	116		157		187	X
SW-02	480-145287-2	130		96		113		132	
SW-03	480-145287-3	130		96		116		138	
SW-04	480-145287-4	137		98		126		152	
B-1	480-145287-5	128		96		115		139	
SW-05	480-145287-6	138		98		126		150	
B-2	480-145287-7	129		92		128		157	
SW-06	480-145287-8	129		105		127		157	
	MB 480-446128/1-A	179	X	142		163		199	X
	LCS 480-446128/2-A	197	X	150		172		213	X

	QC LIMITS
TCX = Tetrachloro-m-xylene	60-154
DCBP = DCB Decachlorobiphenyl	65-174

Column to be used to flag recovery values

FORM II 8082A

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 7_31-197.D

Lab ID: LCS 480-446128/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
PCB-1260	2330	3390	146	61-184	
PCB-1016	2330	3480	150	51-185	

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.: 480-145287-1

SDG No.:

Lab Sample ID: MB 480-446128/1-A

Matrix: Solid Date Extracted: 11/16/2018 14:27

Lab File ID:(1) 7_31-196.D Lab File ID:(2) 7_31-196.D

Date Analyzed:(1) 11/19/2018 19:26 Date Analyzed:(2) 11/19/2018 19:26

Instrument ID:(1) HP6890-7 Instrument ID:(2) HP6890-7

GC Column:(1) ZB-5 ID: 0.53(mm) GC Column:(2) ZB-35 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 480-446128/2-A	11/19/2018 19:42	11/19/2018 19:42
SW-01	480-145287-1	11/19/2018 21:34	11/19/2018 21:34
SW-02	480-145287-2	11/19/2018 21:50	11/19/2018 21:50
SW-03	480-145287-3	11/19/2018 22:06	11/19/2018 22:06
SW-04	480-145287-4	11/19/2018 22:21	11/19/2018 22:21
B-1	480-145287-5	11/19/2018 22:38	11/19/2018 22:38
SW-05	480-145287-6	11/19/2018 22:53	11/19/2018 22:53
B-2	480-145287-7	11/19/2018 23:09	11/19/2018 23:09
SW-06	480-145287-8	11/19/2018 23:25	11/19/2018 23:25

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Sample No.: ICIS 480-413004/6 Date Analyzed: 05/07/2018 14:58

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm)

Lab File ID (Standard): 7_13-128.D Heated Purge: (Y/N) N

Calibration ID: 33759

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		12254361	1.06				
UPPER LIMIT		24508722	1.56				
LOWER LIMIT		6127181	0.56				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-446375/11		14955402	1.07				

BNB = 1-Bromo-2-nitrobenzene

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 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Sample No.: ICIS 480-413004/6 Date Analyzed: 05/07/2018 14:58

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm)

Lab File ID (Standard): 7_13-128.D Heated Purge: (Y/N) N

Calibration ID: 33760

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		26060757	0.91				
UPPER LIMIT		52121514	1.41				
LOWER LIMIT		13030379	0.41				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-446375/11		43827726	0.91				

BNB = 1-Bromo-2-nitrobenzene

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 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Sample No.: CCVIS 480-446375/11 Date Analyzed: 11/19/2018 12:07

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm)

Lab File ID (Standard): 7_31-171.D Heated Purge: (Y/N) N

Calibration ID: 34896

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		14955402	1.07				
UPPER LIMIT		29910804	1.57				
LOWER LIMIT		7477701	0.57				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-446375/6		14706423	1.07				
CCV 480-446375/7		14552069	1.07				
CCV 480-446375/8		14618487	1.07				
CCV 480-446375/9		14616901	1.07				
CCV 480-446375/32		12410096	1.07				
MB 480-446128/1-A		9420172	1.07				
LCS 480-446128/2-A		10740184	1.07				
480-145287-1	SW-01	8232088	1.08				
480-145287-2	SW-02	11152402	1.08				
480-145287-3	SW-03	11209649	1.07				
480-145287-4	SW-04	10751243	1.08				
480-145287-5	B-1	11980187	1.07				
480-145287-6	SW-05	10392532	1.07				
480-145287-7	B-2	10974706	1.07				
480-145287-8	SW-06	10542184	1.08				

BNB = 1-Bromo-2-nitrobenzene

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 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Sample No.: CCVIS 480-446375/11 Date Analyzed: 11/19/2018 12:07

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm)

Lab File ID (Standard): 7_31-171.D Heated Purge: (Y/N) N

Calibration ID: 34897

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		43827726	0.91				
UPPER LIMIT		87655452	1.41				
LOWER LIMIT		21913863	0.41				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-446375/6		41908253	0.91				
CCV 480-446375/7		41751848	0.91				
CCV 480-446375/8		42276052	0.91				
CCV 480-446375/9		42287823	0.91				
CCV 480-446375/32		35502493	0.92				
MB 480-446128/1-A		28015813	0.92				
LCS 480-446128/2-A		31785725	0.92				
480-145287-1	SW-01	24765374	0.92				
480-145287-2	SW-02	33701748	0.92				
480-145287-3	SW-03	34027162	0.92				
480-145287-4	SW-04	32831121	0.92				
480-145287-5	B-1	36408721	0.92				
480-145287-6	SW-05	31771317	0.92				
480-145287-7	B-2	32903974	0.92				
480-145287-8	SW-06	31161157	0.92				

BNB = 1-Bromo-2-nitrobenzene

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 8082A

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Client Sample ID: SW-06 Lab Sample ID: 480-145287-8

Instrument ID (1): HP6890-7 Instrument ID (2): HP6890-7

Date Analyzed (1): 11/19/2018 23:25 Date Analyzed (2): 11/19/2018 23:25

GC Column (1): ZB-5 ID: 0.53(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1248	1	2	3.41	3.38	3.44	149	110	81.9
		3	3.61	3.58	3.64	154		
		4	3.65	3.62	3.68	166		
		5	3.79	3.76	3.82	149		
	2	1	2.08	2.04	2.10	511	260	
		2	2.37	2.34	2.40	271		
		3	2.93	2.89	2.95	208		
		4	3.07	3.04	3.10	146		
		5	3.30	3.27	3.33	182		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-446128/2-A

Instrument ID (1): HP6890-7 Instrument ID (2): HP6890-7

Date Analyzed (1): 11/19/2018 19:42 Date Analyzed (2): 11/19/2018 19:42

GC Column (1): ZB-5 ID: 0.53(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1260	1	1	4.32	4.29	4.35	2730	3390	2.5
		2	4.50	4.47	4.53	3060		
		3	4.73	4.70	4.76	3630		
		4	5.05	5.02	5.08	3720		
		5	5.26	5.23	5.29	3830		
	2	1	3.75	3.72	3.78	3220	3480	
		2	4.17	4.14	4.20	3270		
		3	4.47	4.44	4.50	3540		
		4	4.62	4.59	4.65	3820		
		5	4.94	4.91	4.97	3560		
PCB-1016	1	1	2.87	2.84	2.90	3210	3480	10.6
		2	2.95	2.92	2.98	3630		
		3	3.02	2.98	3.04	3210		
		4	3.14	3.10	3.16	4160		
		5	3.41	3.38	3.44	3190		
	2	1	2.37	2.34	2.40	3330	3130	
		2	2.48	2.45	2.51	2740		
		3	2.56	2.53	2.59	3520		
		4	2.83	2.80	2.86	2690		
		5	2.93	2.90	2.96	3370		

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-145287-1

SDG No.:

Client Sample ID: SW-01 | Lab Sample ID: 480-145287-1

Matrix: Solid | Lab File ID: 7_31-204.D

Analysis Method: 8082A | Date Collected: 11/13/2018 13:45

Extraction Method: 3550C | Date Extracted: 11/16/2018 14:27

Sample wt/vol: 2.17(g) | Date Analyzed: 11/19/2018 21:34

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 31.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 446375 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
11104-28-2	PCB-1221	ND		340	66
53469-21-9	PCB-1242	ND		340	66
11097-69-1	PCB-1254	ND		340	160
11096-82-5	PCB-1260	ND		340	160
12674-11-2	PCB-1016	ND		340	66
12672-29-6	PCB-1248	ND		340	66
11141-16-5	PCB-1232	ND		340	66
37324-23-5	PCB-1262	ND		340	160
11100-14-4	PCB-1268	ND		340	160

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	155	X	60-154
2051-24-3	DCB Decachlorobiphenyl	157		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-204.D
Lims ID: 480-145287-B-1-B
Client ID: SW-01
Sample Type: Client
Inject. Date: 19-Nov-2018 21:34:26 ALS Bottle#: 0 Worklist Smp#: 44
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 20-Nov-2018 10:26:52 Calib Date: 17-Sep-2018 16:57:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-062.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: CTX0319

First Level Reviewer: thongjanw Date: 20-Nov-2018 10:26:52

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.075	1.073	0.003	8232088	0.5000	
2	0.915	0.914	0.001	24765374	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.953	1.948	0.004	615718	0.0310	
2	1.438	1.436	0.002	1369886	0.0233	
					RPD = 28.28	
2 1260 Res 1						
1	4.131	4.132	0.008	1494	NC	
2	4.168	4.175	0.000	37309	NC	
4 1260 Res 2						
1	4.233	4.234	0.008	1250	NC	
2	4.210	4.229	-0.011	30256	NC	
$ 15 DCB Decachlorobiphenyl						
1	6.832	6.826	0.006	392362	0.0314	
2	5.874	5.875	-0.001	872985	0.0373	
					RPD = 17.12	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

PCB IS 1B2NB_00052 Amount Added: 10.00 Units: uL Run Reagent

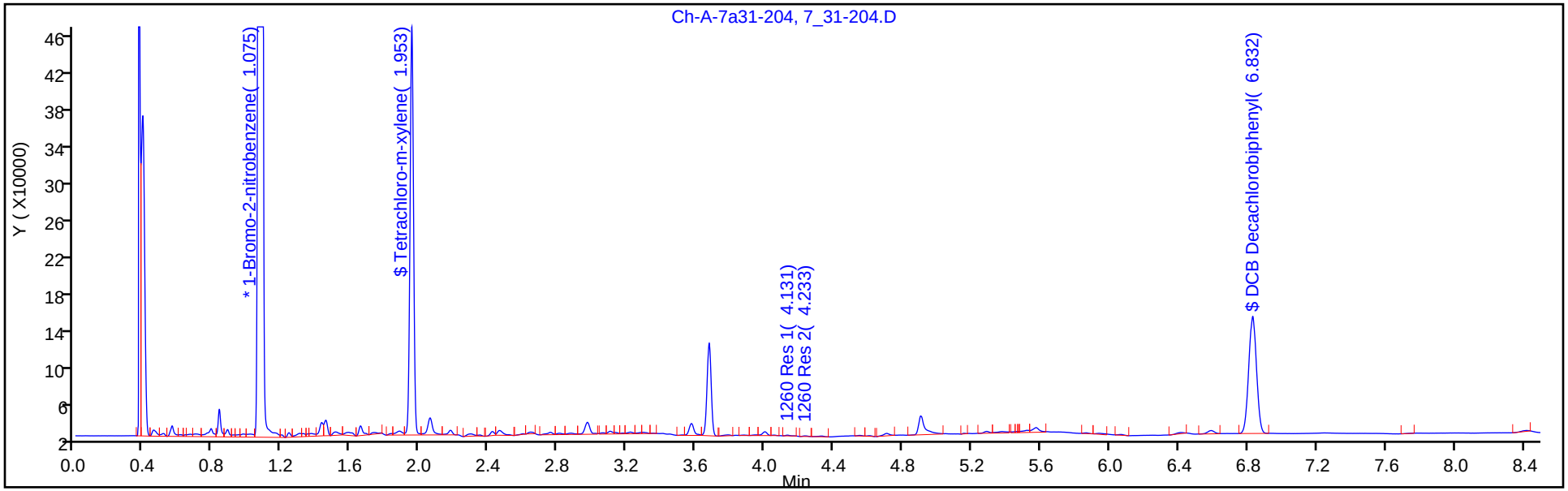
Report Date: 20-Nov-2018 10:26:53 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

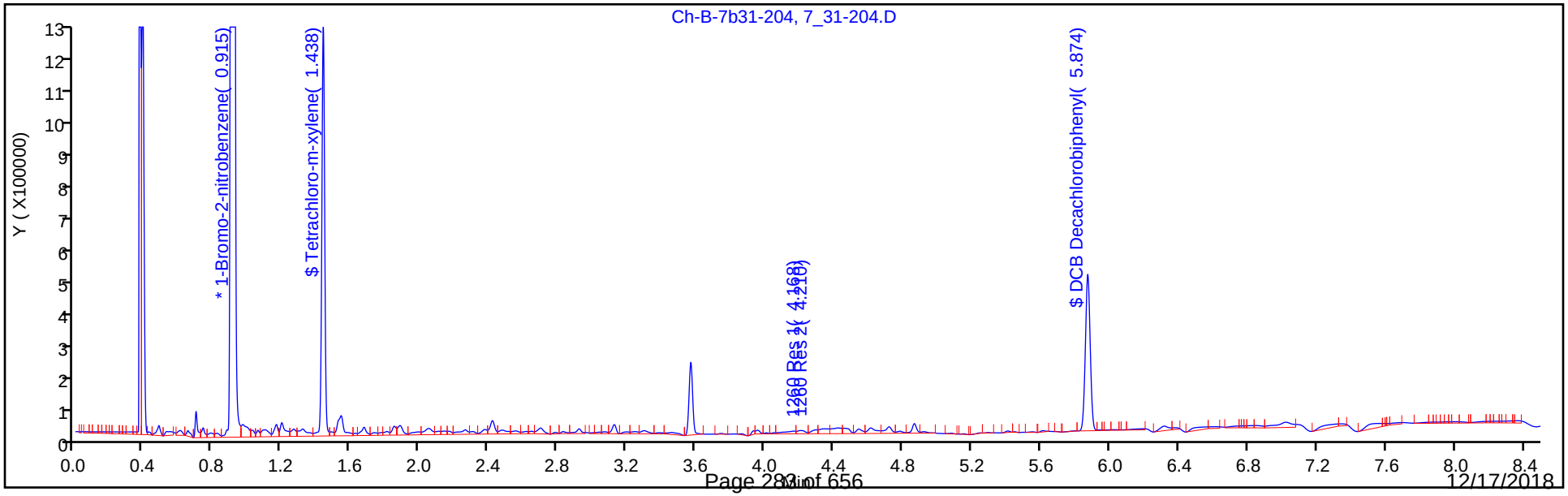
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-204.D

Injection Date:	19-Nov-2018 21:34:26	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	480-145287-B-1-B	Lab Sample ID:	480-145287-1	Worklist Smp#:	44
Client ID:	SW-01				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-145287-1

SDG No.:

Client Sample ID: SW-01 | Lab Sample ID: 480-145287-1

Matrix: Solid | Lab File ID: 7_31-204.D

Analysis Method: 8082A | Date Collected: 11/13/2018 13:45

Extraction Method: 3550C | Date Extracted: 11/16/2018 14:27

Sample wt/vol: 2.17(g) | Date Analyzed: 11/19/2018 21:34

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 31.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 446375 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	116		60-154
2051-24-3	DCB Decachlorobiphenyl	187	X	65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-204.D
Lims ID: 480-145287-B-1-B
Client ID: SW-01
Sample Type: Client
Inject. Date: 19-Nov-2018 21:34:26 ALS Bottle#: 0 Worklist Smp#: 44
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 20-Nov-2018 10:26:52 Calib Date: 17-Sep-2018 16:57:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-062.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: CTX0319

First Level Reviewer: thongjanw Date: 20-Nov-2018 10:26:52

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.075	1.073	0.003	8232088	0.5000	
2	0.915	0.914	0.001	24765374	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.953	1.948	0.004	615718	0.0310	
2	1.438	1.436	0.002	1369886	0.0233	
					RPD = 28.28	
2 1260 Res 1						
1	4.131	4.132	0.008	1494	NC	
2	4.168	4.175	0.000	37309	NC	
4 1260 Res 2						
1	4.233	4.234	0.008	1250	NC	
2	4.210	4.229	-0.011	30256	NC	
$ 15 DCB Decachlorobiphenyl						
1	6.832	6.826	0.006	392362	0.0314	
2	5.874	5.875	-0.001	872985	0.0373	
					RPD = 17.12	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

PCB IS 1B2NB_00052 Amount Added: 10.00 Units: uL Run Reagent

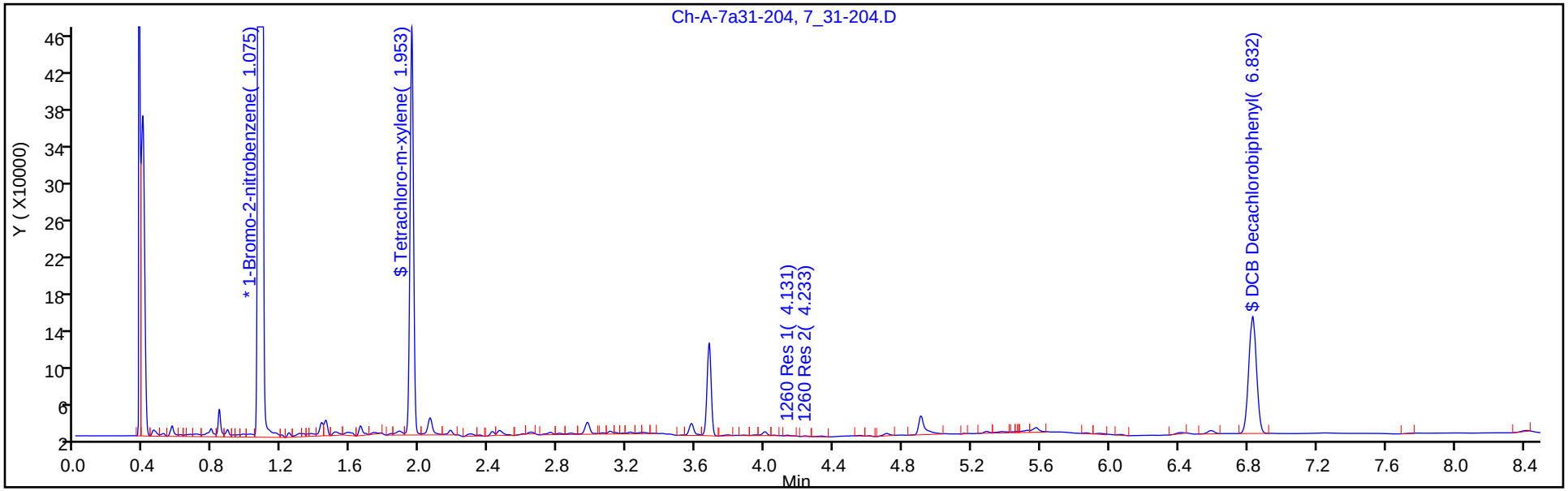
Report Date: 20-Nov-2018 10:26:53 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

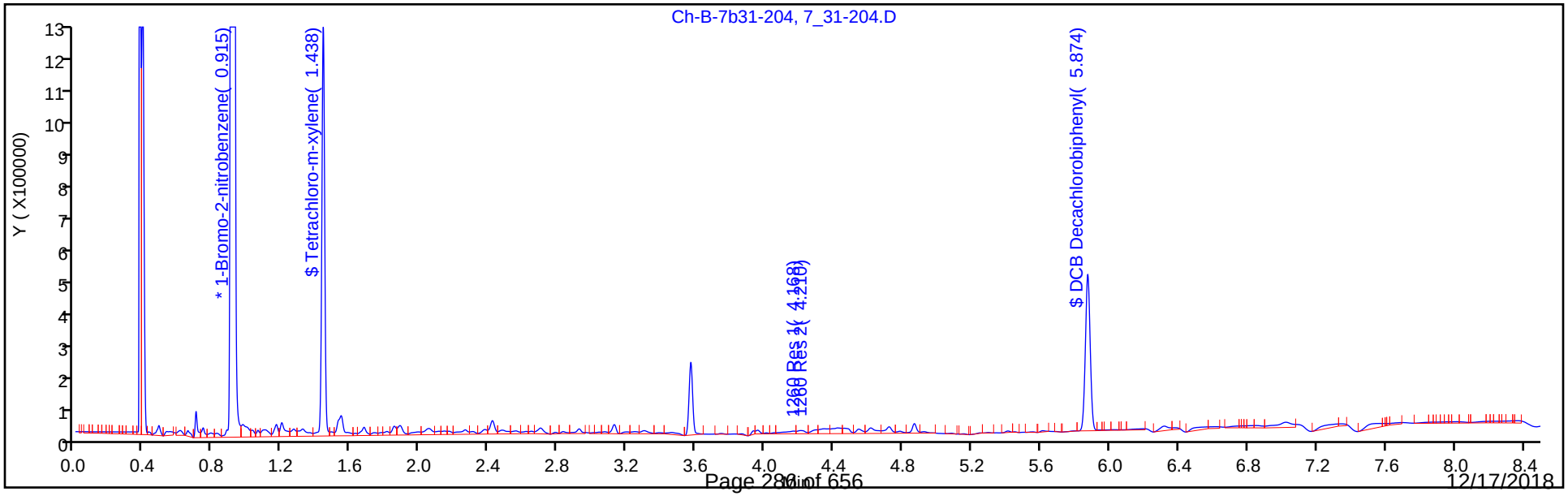
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-204.D

Injection Date:	19-Nov-2018 21:34:26	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	480-145287-B-1-B	Lab Sample ID:	480-145287-1	Worklist Smp#:	44
Client ID:	SW-01				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-145287-1

SDG No.:

Client Sample ID: SW-02 | Lab Sample ID: 480-145287-2

Matrix: Solid | Lab File ID: 7_31-205.D

Analysis Method: 8082A | Date Collected: 11/13/2018 13:50

Extraction Method: 3550C | Date Extracted: 11/16/2018 14:27

Sample wt/vol: 2.32(g) | Date Analyzed: 11/19/2018 21:50

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 24.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 446375 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
11104-28-2	PCB-1221	ND		290	56
53469-21-9	PCB-1242	ND		290	56
11097-69-1	PCB-1254	ND		290	130
11096-82-5	PCB-1260	ND		290	130
12674-11-2	PCB-1016	ND		290	56
12672-29-6	PCB-1248	ND		290	56
11141-16-5	PCB-1232	ND		290	56
37324-23-5	PCB-1262	ND		290	130
11100-14-4	PCB-1268	ND		290	130

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	130		60-154
2051-24-3	DCB Decachlorobiphenyl	113		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-205.D
Lims ID: 480-145287-B-2-B
Client ID: SW-02
Sample Type: Client
Inject. Date: 19-Nov-2018 21:50:15 ALS Bottle#: 0 Worklist Smp#: 45
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 20-Nov-2018 10:27:29 Calib Date: 17-Sep-2018 16:57:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-062.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: CTX0319

First Level Reviewer: thongjanw Date: 20-Nov-2018 10:27:29

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.075	1.073	0.003	11152402	0.5000	
2	0.916	0.914	0.002	33701748	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.951	1.948	0.003	702688	0.0260	
2	1.439	1.436	0.003	1544530	0.0192	
					RPD = 30.19	
4 1260 Res 2						
1	4.237	4.234	0.012	1080	NC	
2	4.228	4.229	0.008	34440	NC	
$ 15 DCB Decachlorobiphenyl						
1	6.827	6.826	0.001	381825	0.0225	
2	5.873	5.875	-0.003	850844	0.0265	
					RPD = 16.16	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

PCB IS 1B2NB_00052 Amount Added: 10.00 Units: uL Run Reagent

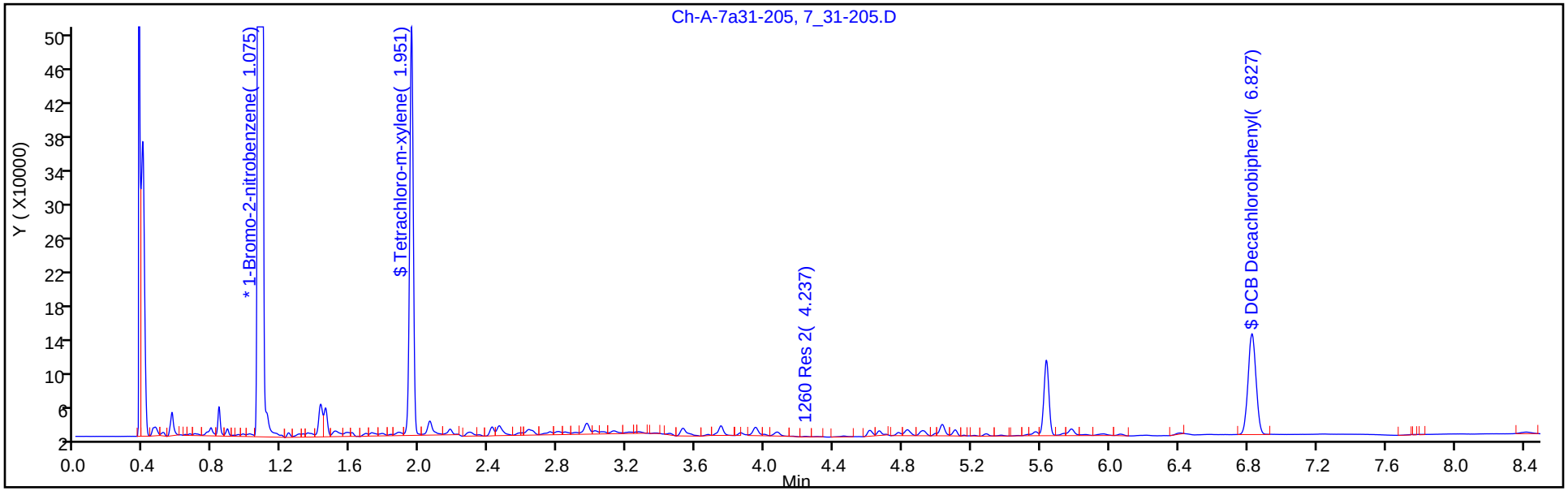
Report Date: 20-Nov-2018 10:27:30 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

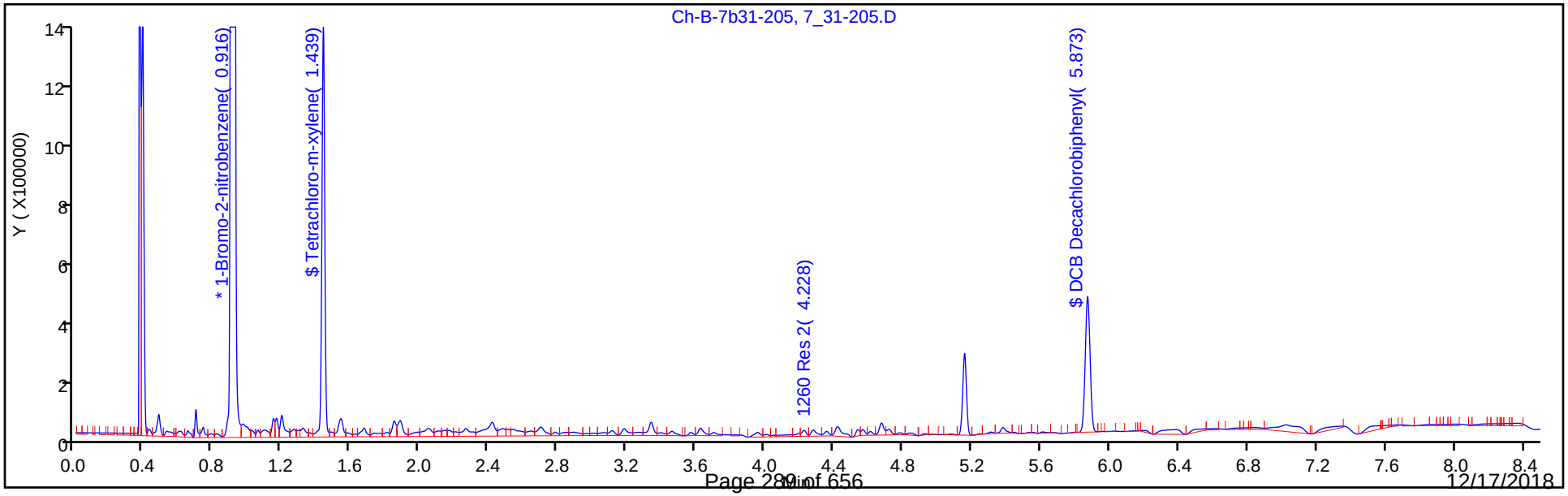
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-205.D

Injection Date:	19-Nov-2018 21:50:15	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	480-145287-B-2-B	Lab Sample ID:	480-145287-2	Worklist Smp#:	45
Client ID:	SW-02				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-145287-1

SDG No.:

Client Sample ID: SW-02 | Lab Sample ID: 480-145287-2

Matrix: Solid | Lab File ID: 7_31-205.D

Analysis Method: 8082A | Date Collected: 11/13/2018 13:50

Extraction Method: 3550C | Date Extracted: 11/16/2018 14:27

Sample wt/vol: 2.32(g) | Date Analyzed: 11/19/2018 21:50

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 24.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 446375 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	96		60-154
2051-24-3	DCB Decachlorobiphenyl	132		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-205.D
Lims ID: 480-145287-B-2-B
Client ID: SW-02
Sample Type: Client
Inject. Date: 19-Nov-2018 21:50:15 ALS Bottle#: 0 Worklist Smp#: 45
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 20-Nov-2018 10:27:29 Calib Date: 17-Sep-2018 16:57:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-062.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: CTX0319

First Level Reviewer: thongjanw Date: 20-Nov-2018 10:27:29

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.075	1.073	0.003	11152402	0.5000	
2	0.916	0.914	0.002	33701748	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.951	1.948	0.003	702688	0.0260	
2	1.439	1.436	0.003	1544530	0.0192	
					RPD = 30.19	
4 1260 Res 2						
1	4.237	4.234	0.012	1080	NC	
2	4.228	4.229	0.008	34440	NC	
$ 15 DCB Decachlorobiphenyl						
1	6.827	6.826	0.001	381825	0.0225	
2	5.873	5.875	-0.003	850844	0.0265	
					RPD = 16.16	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

PCB IS 1B2NB_00052 Amount Added: 10.00 Units: uL Run Reagent

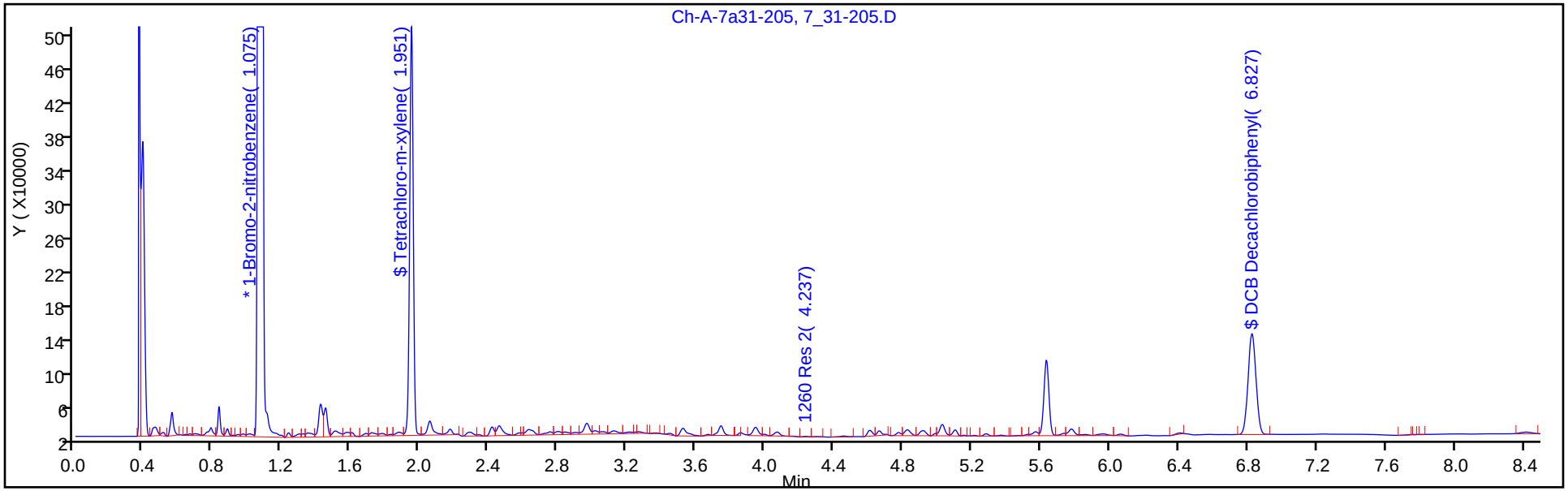
Report Date: 20-Nov-2018 10:27:30 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

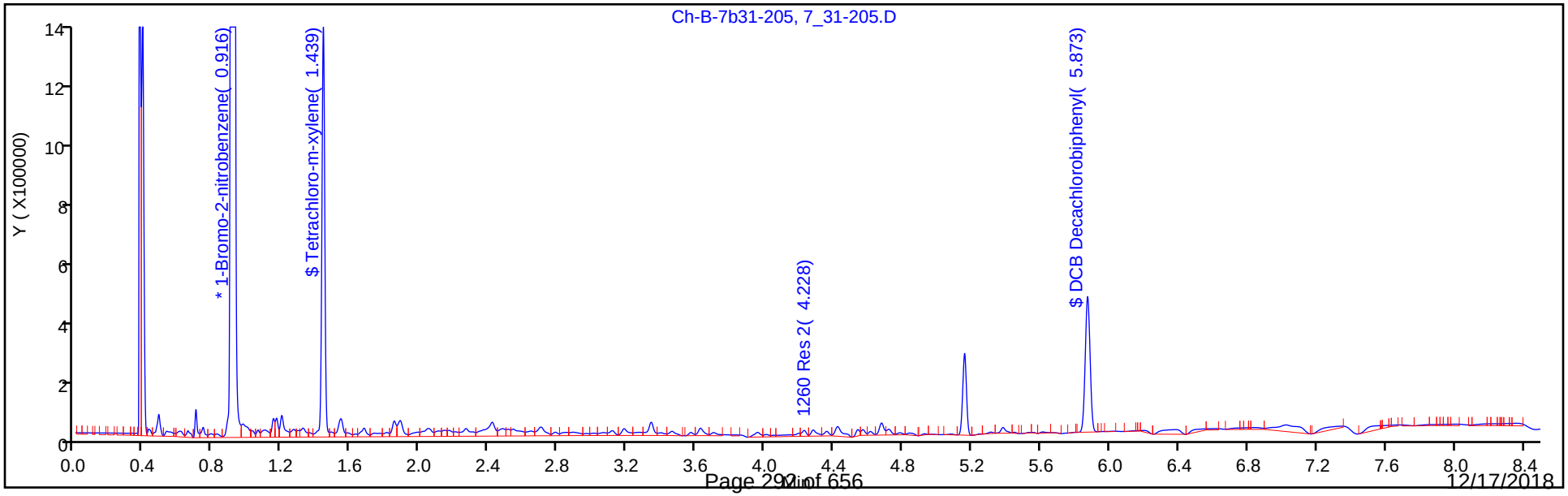
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-205.D

Injection Date:	19-Nov-2018 21:50:15	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	480-145287-B-2-B	Lab Sample ID:	480-145287-2	Worklist Smp#:	45
Client ID:	SW-02				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-145287-1

SDG No.:

Client Sample ID: SW-03 | Lab Sample ID: 480-145287-3

Matrix: Solid | Lab File ID: 7_31-206.D

Analysis Method: 8082A | Date Collected: 11/13/2018 13:55

Extraction Method: 3550C | Date Extracted: 11/16/2018 14:27

Sample wt/vol: 2.30(g) | Date Analyzed: 11/19/2018 22:06

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 25.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 446375 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
11104-28-2	PCB-1221	ND		290	57
53469-21-9	PCB-1242	ND		290	57
11097-69-1	PCB-1254	ND		290	140
11096-82-5	PCB-1260	ND		290	140
12674-11-2	PCB-1016	ND		290	57
12672-29-6	PCB-1248	ND		290	57
11141-16-5	PCB-1232	ND		290	57
37324-23-5	PCB-1262	ND		290	140
11100-14-4	PCB-1268	ND		290	140

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	130		60-154
2051-24-3	DCB Decachlorobiphenyl	116		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-206.D
Lims ID: 480-145287-A-3-A
Client ID: SW-03
Sample Type: Client
Inject. Date: 19-Nov-2018 22:06:09 ALS Bottle#: 0 Worklist Smp#: 46
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 20-Nov-2018 10:30:48 Calib Date: 17-Sep-2018 16:57:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-062.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: CTX0319

First Level Reviewer: thongjanw Date: 20-Nov-2018 10:30:48

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.073	1.073	0.001	11209649	0.5000	
2	0.915	0.914	0.001	34027162	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.950	1.948	0.002	708095	0.0261	
2	1.438	1.436	0.002	1554479	0.0191	
					RPD = 30.77	
4 1260 Res 2						
1	4.237	4.227	0.012	912	NC	
2	4.203	4.225	-0.018	13718	NC	
3 1260 Res 3						
1	4.467	4.457	0.013	719	NC	
2	4.468	4.475	-0.002	9455	NC	
$ 15 DCB Decachlorobiphenyl						
1	6.828	6.826	0.002	394033	0.0231	
2	5.875	5.875	0.000	891446	0.0275	
					RPD = 17.31	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

PCB IS 1B2NB_00052 Amount Added: 10.00 Units: uL Run Reagent

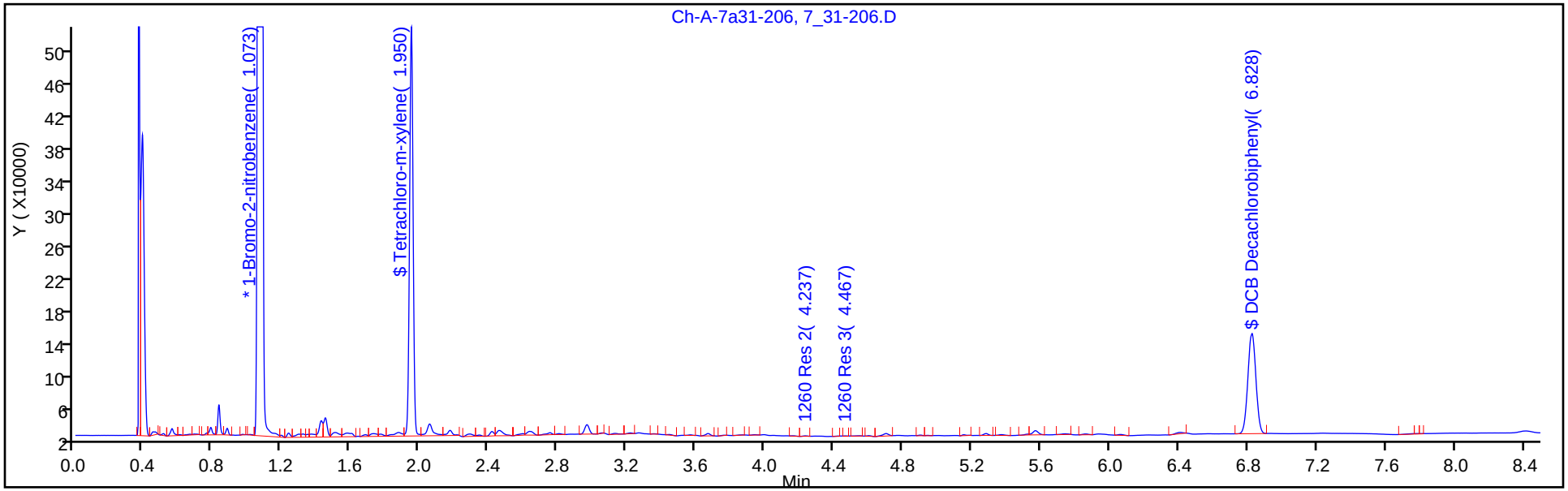
Report Date: 20-Nov-2018 10:30:48 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

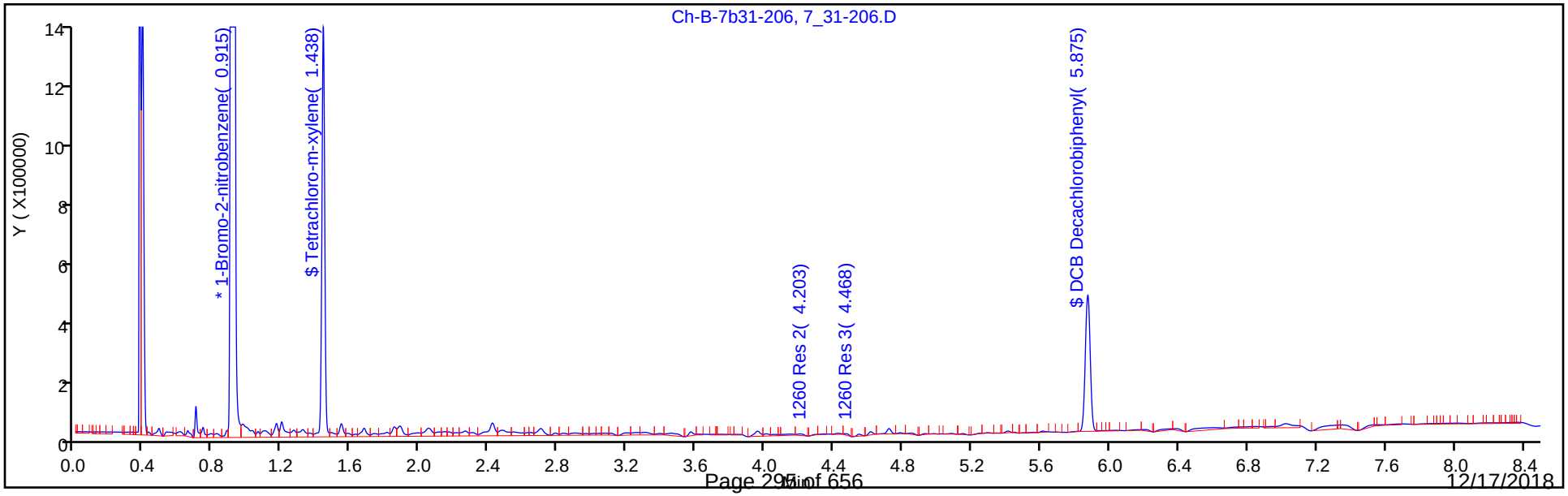
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-206.D

Injection Date:	19-Nov-2018 22:06:09	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	480-145287-A-3-A	Lab Sample ID:	480-145287-3	Worklist Smp#:	46
Client ID:	SW-03				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-145287-1

SDG No.:

Client Sample ID: SW-03 | Lab Sample ID: 480-145287-3

Matrix: Solid | Lab File ID: 7_31-206.D

Analysis Method: 8082A | Date Collected: 11/13/2018 13:55

Extraction Method: 3550C | Date Extracted: 11/16/2018 14:27

Sample wt/vol: 2.30(g) | Date Analyzed: 11/19/2018 22:06

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 25.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 446375 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	96		60-154
2051-24-3	DCB Decachlorobiphenyl	138		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-206.D
Lims ID: 480-145287-A-3-A
Client ID: SW-03
Sample Type: Client
Inject. Date: 19-Nov-2018 22:06:09 ALS Bottle#: 0 Worklist Smp#: 46
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 20-Nov-2018 10:30:48 Calib Date: 17-Sep-2018 16:57:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-062.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: CTX0319

First Level Reviewer: thongjanw Date: 20-Nov-2018 10:30:48

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.073	1.073	0.001	11209649	0.5000	
2	0.915	0.914	0.001	34027162	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.950	1.948	0.002	708095	0.0261	
2	1.438	1.436	0.002	1554479	0.0191	
					RPD = 30.77	
4 1260 Res 2						
1	4.237	4.227	0.012	912	NC	
2	4.203	4.225	-0.018	13718	NC	
3 1260 Res 3						
1	4.467	4.457	0.013	719	NC	
2	4.468	4.475	-0.002	9455	NC	
$ 15 DCB Decachlorobiphenyl						
1	6.828	6.826	0.002	394033	0.0231	
2	5.875	5.875	0.000	891446	0.0275	
					RPD = 17.31	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

PCB IS 1B2NB_00052 Amount Added: 10.00 Units: uL Run Reagent

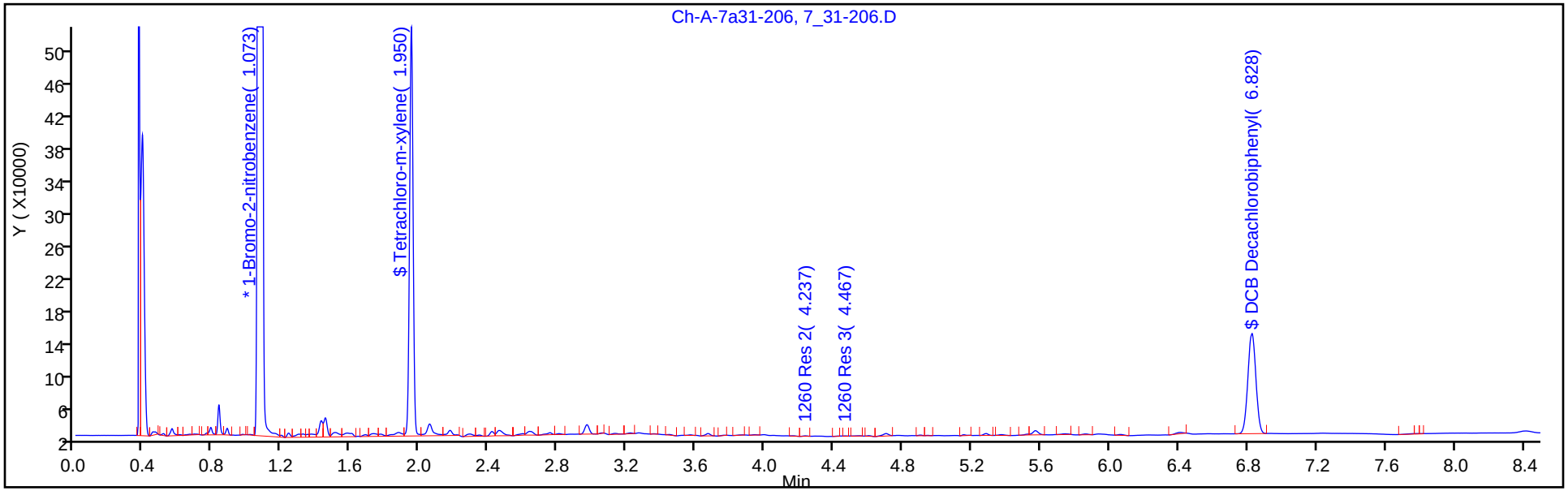
Report Date: 20-Nov-2018 10:30:49 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

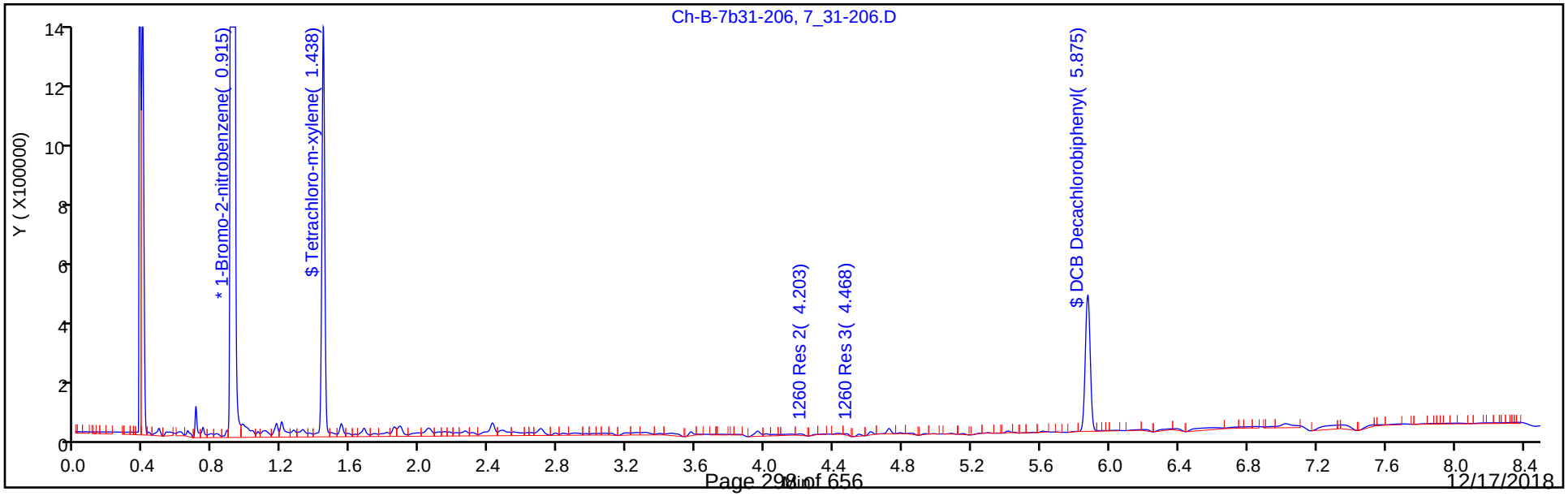
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-206.D

Injection Date:	19-Nov-2018 22:06:09	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	480-145287-A-3-A	Lab Sample ID:	480-145287-3	Worklist Smp#:	46
Client ID:	SW-03				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-145287-1

SDG No.:

Client Sample ID: SW-04 | Lab Sample ID: 480-145287-4

Matrix: Solid | Lab File ID: 7_31-207.D

Analysis Method: 8082A | Date Collected: 11/13/2018 14:35

Extraction Method: 3550C | Date Extracted: 11/16/2018 14:27

Sample wt/vol: 2.26(g) | Date Analyzed: 11/19/2018 22:21

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 16.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 446375 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
11104-28-2	PCB-1221	ND		270	52
53469-21-9	PCB-1242	ND		270	52
11097-69-1	PCB-1254	ND		270	120
11096-82-5	PCB-1260	ND		270	120
12674-11-2	PCB-1016	ND		270	52
12672-29-6	PCB-1248	ND		270	52
11141-16-5	PCB-1232	ND		270	52
37324-23-5	PCB-1262	ND		270	120
11100-14-4	PCB-1268	ND		270	120

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	137		60-154
2051-24-3	DCB Decachlorobiphenyl	126		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-207.D
Lims ID: 480-145287-B-4-A
Client ID: SW-04
Sample Type: Client
Inject. Date: 19-Nov-2018 22:21:59 ALS Bottle#: 0 Worklist Smp#: 47
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 20-Nov-2018 10:38:21 Calib Date: 17-Sep-2018 16:57:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-062.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: CTX0319

First Level Reviewer: thongjanw Date: 20-Nov-2018 10:38:21

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.075	1.073	0.003	10751243	0.5000	
2	0.916	0.914	0.002	32831121	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.951	1.948	0.003	710467	0.0273	
2	1.439	1.436	0.003	1536116	0.0196	
					RPD = 32.82	
4 1260 Res 2						
1	4.235	4.234	0.011	1498	NC	
2	4.202	4.229	-0.019	10287	NC	
$ 15 DCB Decachlorobiphenyl						
1	6.827	6.826	0.001	410089	0.0251	
2	5.873	5.875	-0.002	948104	0.0304	
					RPD = 19.09	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

PCB IS 1B2NB_00052 Amount Added: 10.00 Units: uL Run Reagent

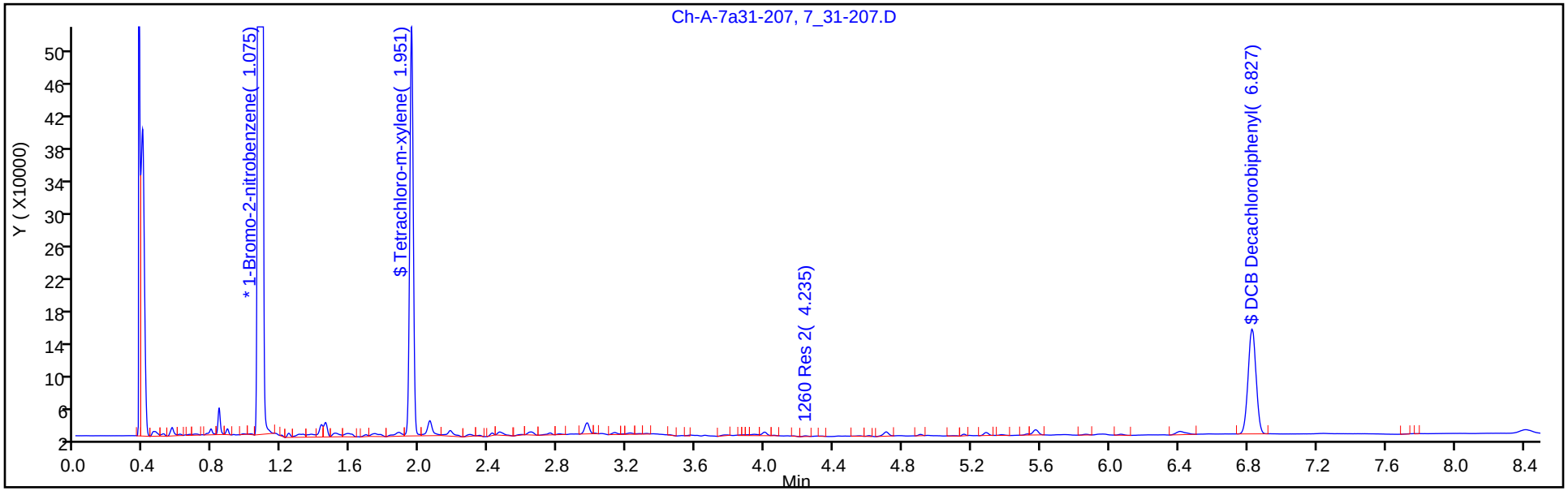
Report Date: 20-Nov-2018 10:38:21 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

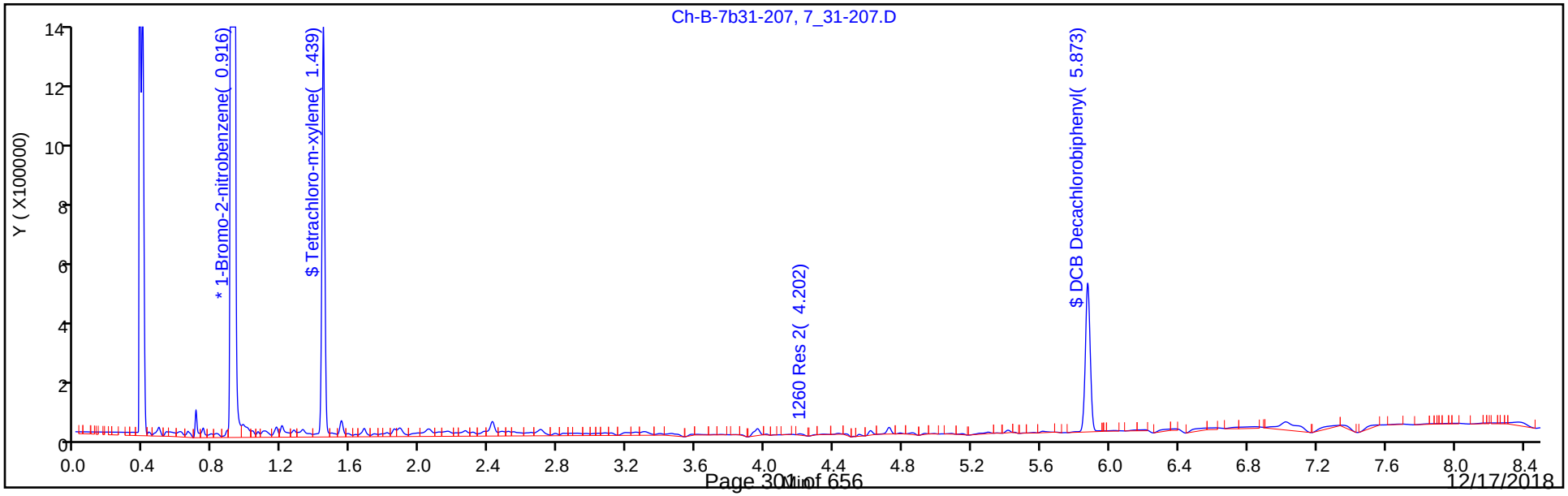
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-207.D

Injection Date:	19-Nov-2018 22:21:59	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	480-145287-B-4-A	Lab Sample ID:	480-145287-4	Worklist Smp#:	47
Client ID:	SW-04				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-145287-1

SDG No.:

Client Sample ID: SW-04 | Lab Sample ID: 480-145287-4

Matrix: Solid | Lab File ID: 7_31-207.D

Analysis Method: 8082A | Date Collected: 11/13/2018 14:35

Extraction Method: 3550C | Date Extracted: 11/16/2018 14:27

Sample wt/vol: 2.26(g) | Date Analyzed: 11/19/2018 22:21

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 16.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 446375 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	98		60-154
2051-24-3	DCB Decachlorobiphenyl	152		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-207.D
Lims ID: 480-145287-B-4-A
Client ID: SW-04
Sample Type: Client
Inject. Date: 19-Nov-2018 22:21:59 ALS Bottle#: 0 Worklist Smp#: 47
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 20-Nov-2018 10:38:21 Calib Date: 17-Sep-2018 16:57:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-062.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: CTX0319

First Level Reviewer: thongjanw Date: 20-Nov-2018 10:38:21

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.075	1.073	0.003	10751243	0.5000	
2	0.916	0.914	0.002	32831121	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.951	1.948	0.003	710467	0.0273	
2	1.439	1.436	0.003	1536116	0.0196	
					RPD = 32.82	
4 1260 Res 2						
1	4.235	4.234	0.011	1498	NC	
2	4.202	4.229	-0.019	10287	NC	
$ 15 DCB Decachlorobiphenyl						
1	6.827	6.826	0.001	410089	0.0251	
2	5.873	5.875	-0.002	948104	0.0304	
					RPD = 19.09	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

PCB IS 1B2NB_00052 Amount Added: 10.00 Units: uL Run Reagent

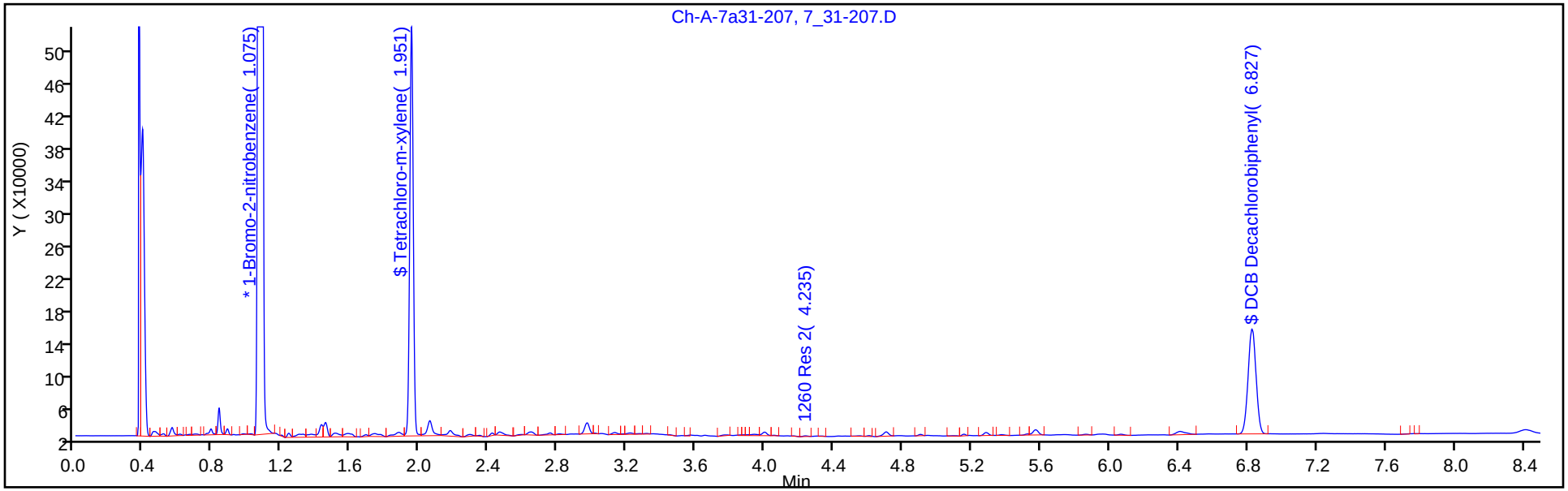
Report Date: 20-Nov-2018 10:38:21 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

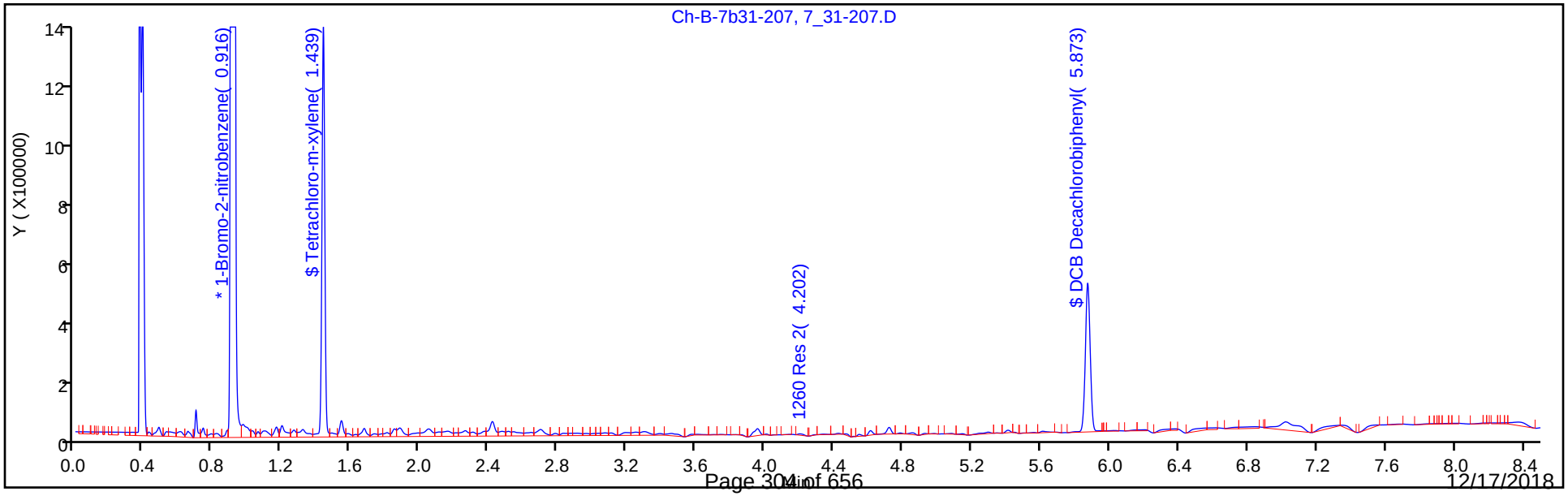
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-207.D

Injection Date:	19-Nov-2018 22:21:59	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	480-145287-B-4-A	Lab Sample ID:	480-145287-4	Worklist Smp#:	47
Client ID:	SW-04				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-145287-1

SDG No.:

Client Sample ID: B-1 | Lab Sample ID: 480-145287-5

Matrix: Solid | Lab File ID: 7_31-208.D

Analysis Method: 8082A | Date Collected: 11/13/2018 13:40

Extraction Method: 3550C | Date Extracted: 11/16/2018 14:27

Sample wt/vol: 2.48(g) | Date Analyzed: 11/19/2018 22:38

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 16.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 446375 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
11104-28-2	PCB-1221	ND		240	47
53469-21-9	PCB-1242	ND		240	47
11097-69-1	PCB-1254	ND		240	110
11096-82-5	PCB-1260	ND		240	110
12674-11-2	PCB-1016	ND		240	47
12672-29-6	PCB-1248	ND		240	47
11141-16-5	PCB-1232	ND		240	47
37324-23-5	PCB-1262	ND		240	110
11100-14-4	PCB-1268	ND		240	110

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	128		60-154
2051-24-3	DCB Decachlorobiphenyl	115		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-208.D
Lims ID: 480-145287-A-5-B
Client ID: B-1
Sample Type: Client
Inject. Date: 19-Nov-2018 22:38:03 ALS Bottle#: 0 Worklist Smp#: 48
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 20-Nov-2018 11:07:08 Calib Date: 17-Sep-2018 16:57:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-062.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: CTX0319

First Level Reviewer: thongjanw Date: 20-Nov-2018 11:07:08

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.074	1.073	0.002	11980187	0.5000	
2	0.916	0.914	0.002	36408721	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.950	1.948	0.002	740200	0.0255	
2	1.438	1.436	0.002	1667540	0.0192	
					RPD = 28.31	
$ 15 DCB Decachlorobiphenyl						
1	6.826	6.826	0.000	418370	0.0230	
2	5.874	5.875	-0.001	966714	0.0279	
					RPD = 19.34	

Reagents:

PCB IS 1B2NB_00052 Amount Added: 10.00 Units: uL Run Reagent

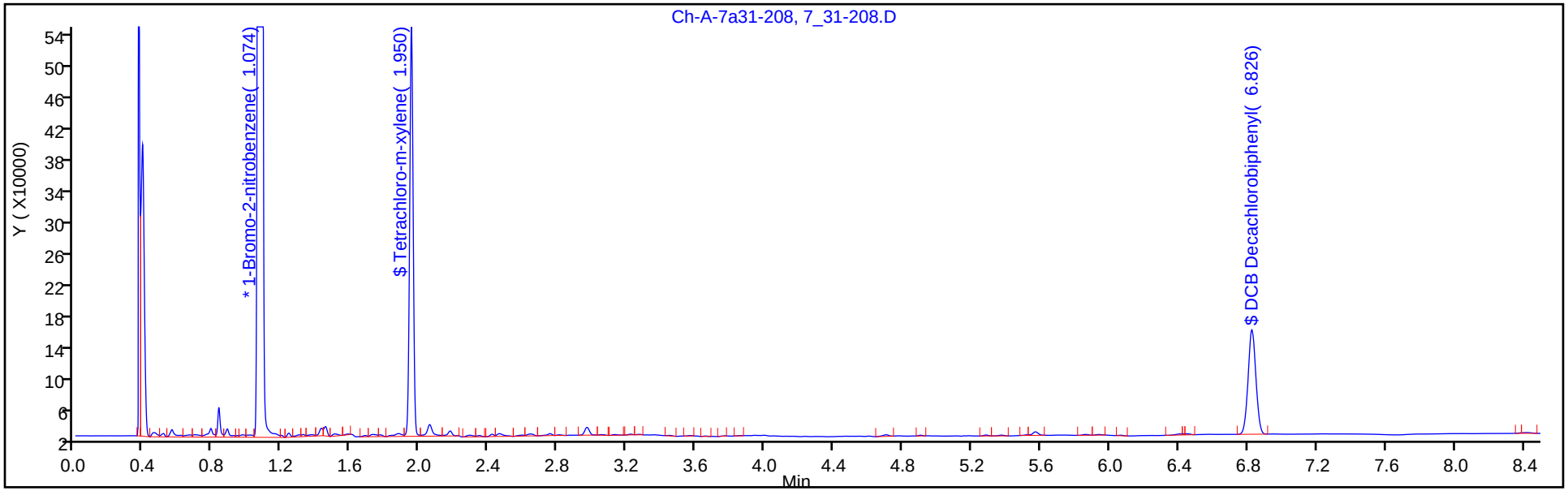
Report Date: 20-Nov-2018 11:07:08 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

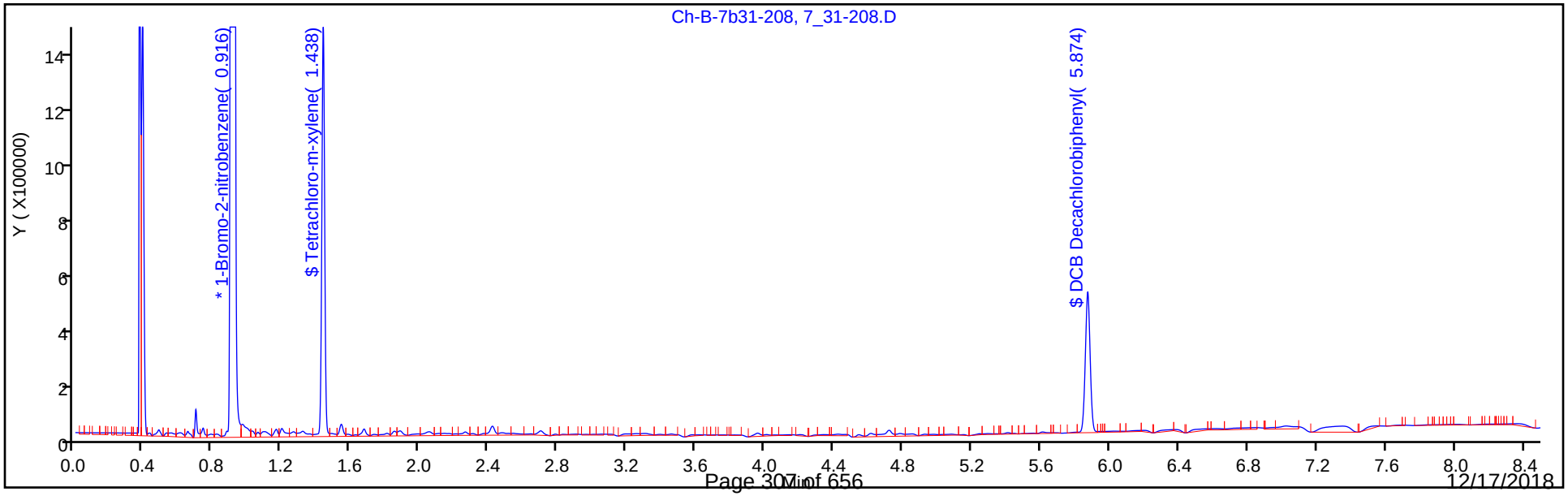
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-208.D

Injection Date:	19-Nov-2018 22:38:03	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	480-145287-A-5-B	Lab Sample ID:	480-145287-5	Worklist Smp#:	48
Client ID:	B-1				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-145287-1

SDG No.:

Client Sample ID: B-1 | Lab Sample ID: 480-145287-5

Matrix: Solid | Lab File ID: 7_31-208.D

Analysis Method: 8082A | Date Collected: 11/13/2018 13:40

Extraction Method: 3550C | Date Extracted: 11/16/2018 14:27

Sample wt/vol: 2.48(g) | Date Analyzed: 11/19/2018 22:38

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 16.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 446375 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	96		60-154
2051-24-3	DCB Decachlorobiphenyl	139		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-208.D
Lims ID: 480-145287-A-5-B
Client ID: B-1
Sample Type: Client
Inject. Date: 19-Nov-2018 22:38:03 ALS Bottle#: 0 Worklist Smp#: 48
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 20-Nov-2018 11:07:08 Calib Date: 17-Sep-2018 16:57:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-062.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: CTX0319

First Level Reviewer: thongjanw Date: 20-Nov-2018 11:07:08

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.074	1.073	0.002	11980187	0.5000	
2	0.916	0.914	0.002	36408721	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.950	1.948	0.002	740200	0.0255	
2	1.438	1.436	0.002	1667540	0.0192	
					RPD = 28.31	
$ 15 DCB Decachlorobiphenyl						
1	6.826	6.826	0.000	418370	0.0230	
2	5.874	5.875	-0.001	966714	0.0279	
					RPD = 19.34	

Reagents:

PCB IS 1B2NB_00052 Amount Added: 10.00 Units: uL Run Reagent

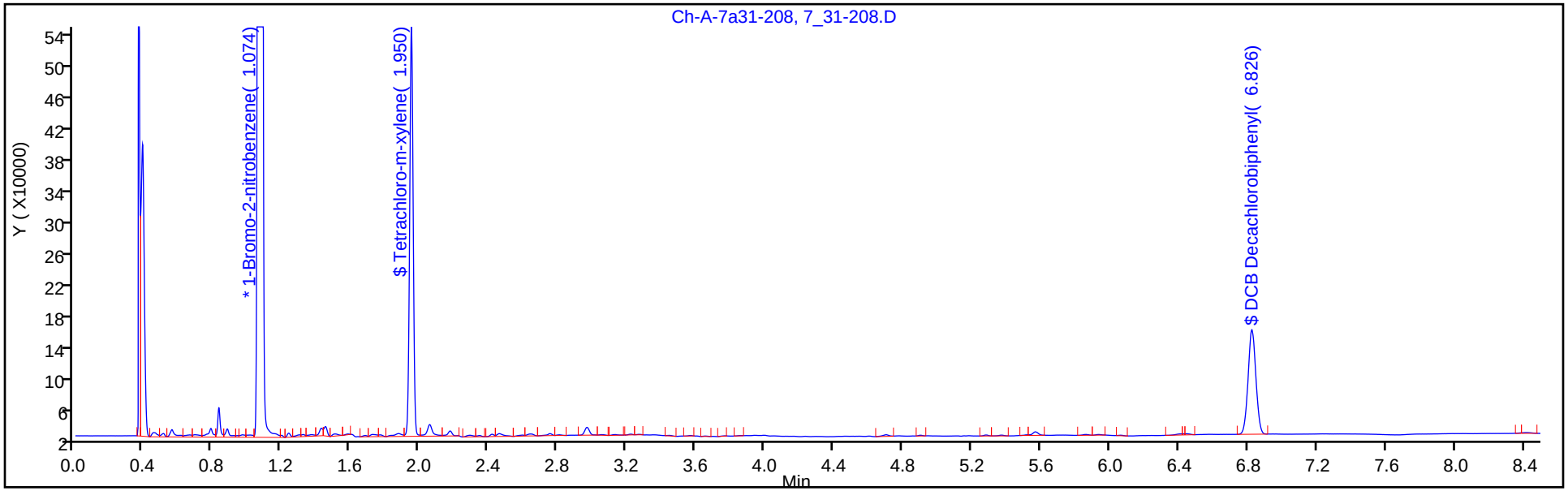
Report Date: 20-Nov-2018 11:07:08 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

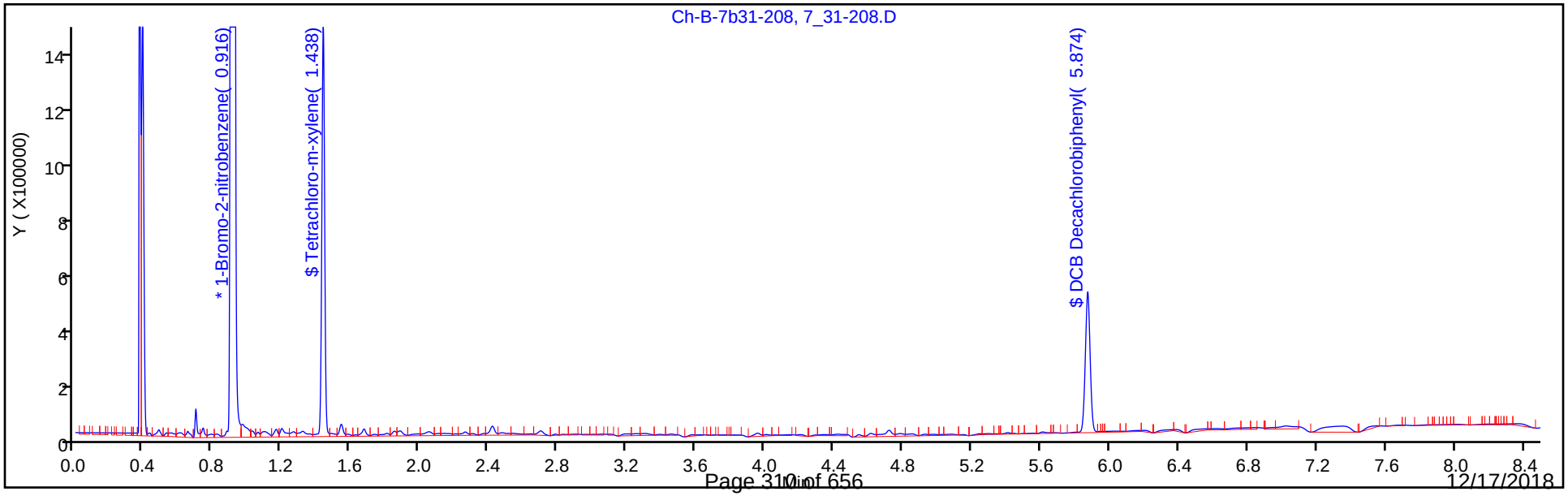
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-208.D

Injection Date:	19-Nov-2018 22:38:03	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	480-145287-A-5-B	Lab Sample ID:	480-145287-5	Worklist Smp#:	48
Client ID:	B-1				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-145287-1

SDG No.:

Client Sample ID: SW-05 | Lab Sample ID: 480-145287-6

Matrix: Solid | Lab File ID: 7_31-209.D

Analysis Method: 8082A | Date Collected: 11/13/2018 14:40

Extraction Method: 3550C | Date Extracted: 11/16/2018 14:27

Sample wt/vol: 2.44(g) | Date Analyzed: 11/19/2018 22:53

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 14.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 446375 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
11104-28-2	PCB-1221	ND		240	47
53469-21-9	PCB-1242	ND		240	47
11097-69-1	PCB-1254	ND		240	110
11096-82-5	PCB-1260	ND		240	110
12674-11-2	PCB-1016	ND		240	47
12672-29-6	PCB-1248	ND		240	47
11141-16-5	PCB-1232	ND		240	47
37324-23-5	PCB-1262	ND		240	110
11100-14-4	PCB-1268	ND		240	110

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	138		60-154
2051-24-3	DCB Decachlorobiphenyl	126		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-209.D
Lims ID: 480-145287-A-6-B
Client ID: SW-05
Sample Type: Client
Inject. Date: 19-Nov-2018 22:53:58 ALS Bottle#: 0 Worklist Smp#: 49
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 20-Nov-2018 11:11:15 Calib Date: 17-Sep-2018 16:57:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-062.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: CTX0319

First Level Reviewer: thongjanw Date: 20-Nov-2018 11:11:15

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.074	1.073	0.002	10392532	0.5000	
2	0.916	0.914	0.002	31771317	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.951	1.948	0.003	696124	0.0277	
2	1.439	1.436	0.003	1478935	0.0195	
					RPD = 34.67	
10 PCB-1248						
1	3.310	3.308	0.002	3001	-0.0528	
1	3.408	3.409	-0.001	4286	0.004735	
1	3.611	3.614	-0.003	8519	0.006700	
1	3.649	3.649	0.000	6247	0.007116	
1	3.789	3.790	-0.001	5892	0.006255	
		Average of Peak Amounts =			-0.005606	
2	2.051	2.073	-0.022	56592	0.0369	
2	2.373	2.369	0.004	30966	0.000648	
2	2.923	2.924	-0.002	14761	0.005701	
2	3.072	3.070	0.002	17328	-0.002753	
2	3.301	3.299	0.002	35211	0.0123	
		Average of Peak Amounts =			0.0106	
					RPD = 653.28	

LOD = 0.0100

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
2 1260 Res 1						
1	4.131	4.129	0.008	2354	NC	
2	4.167	4.175	-0.001	542	NC	
4 1260 Res 2						
1	4.231	4.231	0.007	2244	NC	
2	4.205	4.229	-0.016	9372	NC	
$ 15 DCB Decachlorobiphenyl						
1	6.828	6.826	0.002	397135	0.0252	
2	5.873	5.875	-0.002	904224	0.0300	
					RPD = 17.42	

QC Flag Legend

Processing Flags

NC - Not Calibrated

7 - Failed Limit of Detection

Reagents:

PCB IS 1B2NB_00052 Amount Added: 10.00 Units: uL Run Reagent

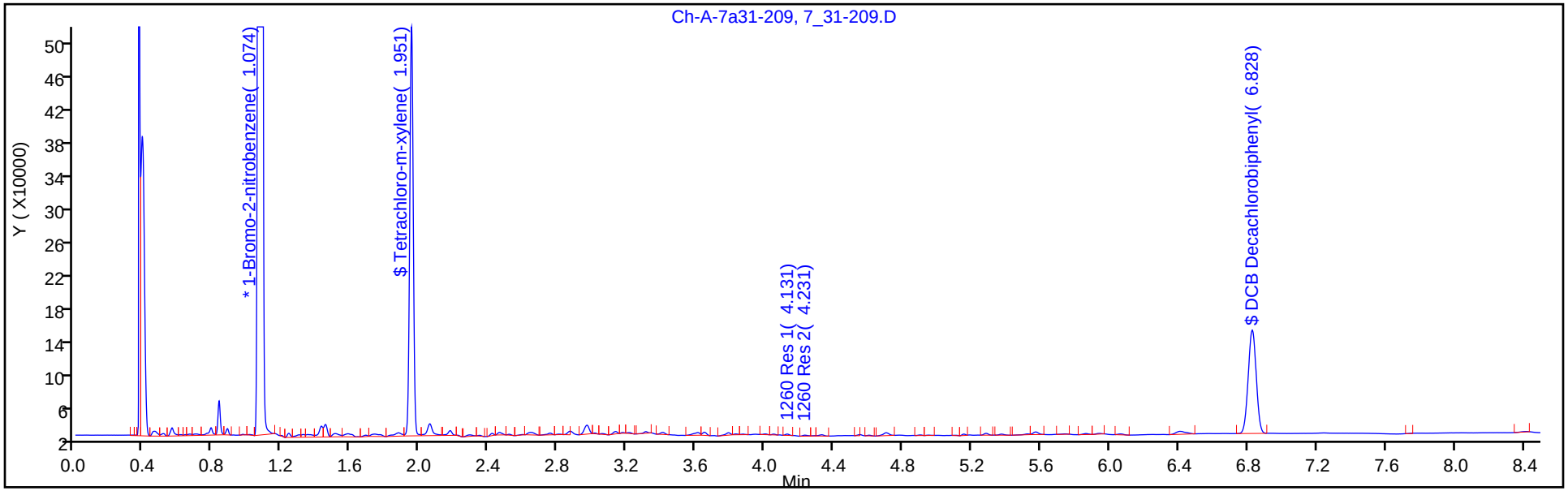
Report Date: 20-Nov-2018 11:11:15 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

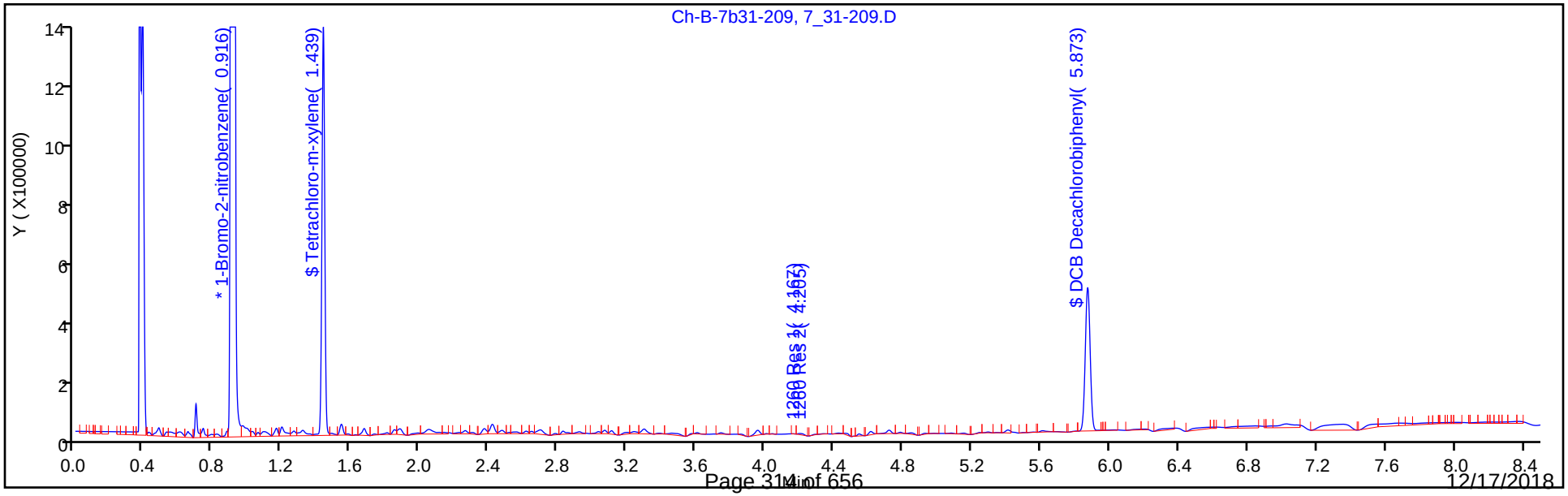
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-209.D

Injection Date:	19-Nov-2018 22:53:58	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	480-145287-A-6-B	Lab Sample ID:	480-145287-6	Worklist Smp#:	49
Client ID:	SW-05				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-145287-1

SDG No.:

Client Sample ID: SW-05 | Lab Sample ID: 480-145287-6

Matrix: Solid | Lab File ID: 7_31-209.D

Analysis Method: 8082A | Date Collected: 11/13/2018 14:40

Extraction Method: 3550C | Date Extracted: 11/16/2018 14:27

Sample wt/vol: 2.44(g) | Date Analyzed: 11/19/2018 22:53

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 14.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 446375 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	98		60-154
2051-24-3	DCB Decachlorobiphenyl	150		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-209.D
Lims ID: 480-145287-A-6-B
Client ID: SW-05
Sample Type: Client
Inject. Date: 19-Nov-2018 22:53:58 ALS Bottle#: 0 Worklist Smp#: 49
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 20-Nov-2018 11:11:15 Calib Date: 17-Sep-2018 16:57:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-062.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: CTX0319

First Level Reviewer: thongjanw Date: 20-Nov-2018 11:11:15

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						
1	1.074	1.073	0.002	10392532	0.5000	
2	0.916	0.914	0.002	31771317	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.951	1.948	0.003	696124	0.0277	
2	1.439	1.436	0.003	1478935	0.0195	
					RPD = 34.67	
10 PCB-1248						
1	3.310	3.308	0.002	3001	-0.0528	
1	3.408	3.409	-0.001	4286	0.004735	
1	3.611	3.614	-0.003	8519	0.006700	
1	3.649	3.649	0.000	6247	0.007116	
1	3.789	3.790	-0.001	5892	0.006255	
		Average of Peak Amounts =			-0.005606	
2	2.051	2.073	-0.022	56592	0.0369	
2	2.373	2.369	0.004	30966	0.000648	
2	2.923	2.924	-0.002	14761	0.005701	
2	3.072	3.070	0.002	17328	-0.002753	
2	3.301	3.299	0.002	35211	0.0123	
		Average of Peak Amounts =			0.0106	
					RPD = 653.28	

LOD = 0.0100

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
2 1260 Res 1						
1	4.131	4.129	0.008	2354	NC	
2	4.167	4.175	-0.001	542	NC	
4 1260 Res 2						
1	4.231	4.231	0.007	2244	NC	
2	4.205	4.229	-0.016	9372	NC	
$ 15 DCB Decachlorobiphenyl						
1	6.828	6.826	0.002	397135	0.0252	
2	5.873	5.875	-0.002	904224	0.0300	
					RPD = 17.42	

QC Flag Legend

Processing Flags

NC - Not Calibrated

7 - Failed Limit of Detection

Reagents:

PCB IS 1B2NB_00052 Amount Added: 10.00 Units: uL Run Reagent

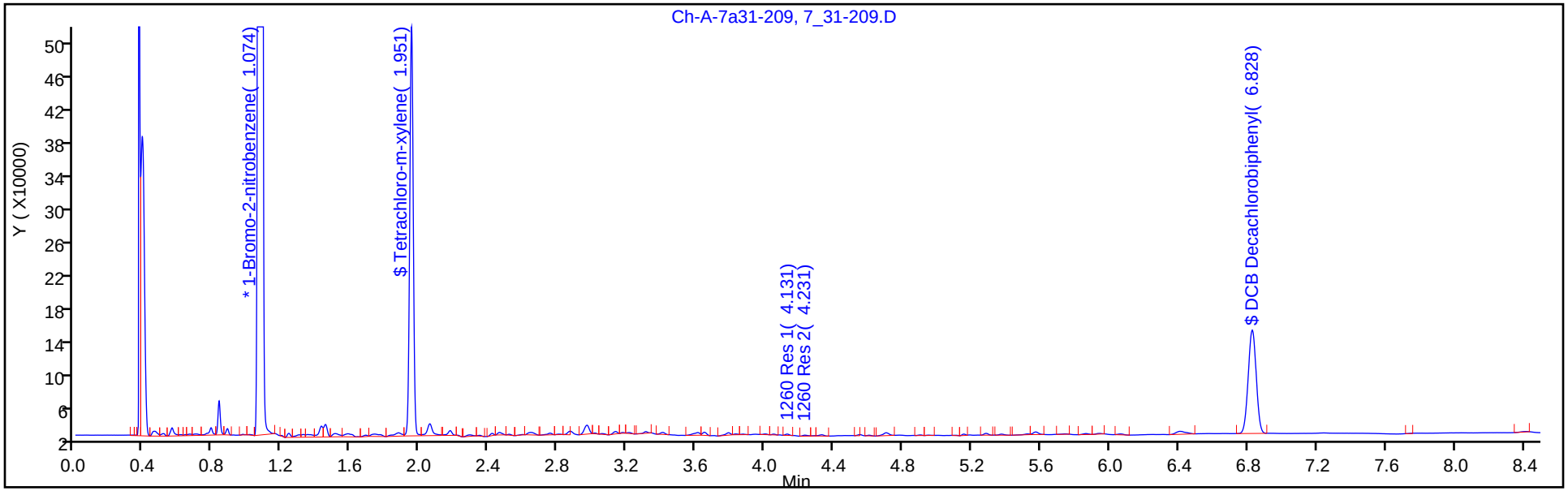
Report Date: 20-Nov-2018 11:11:16 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

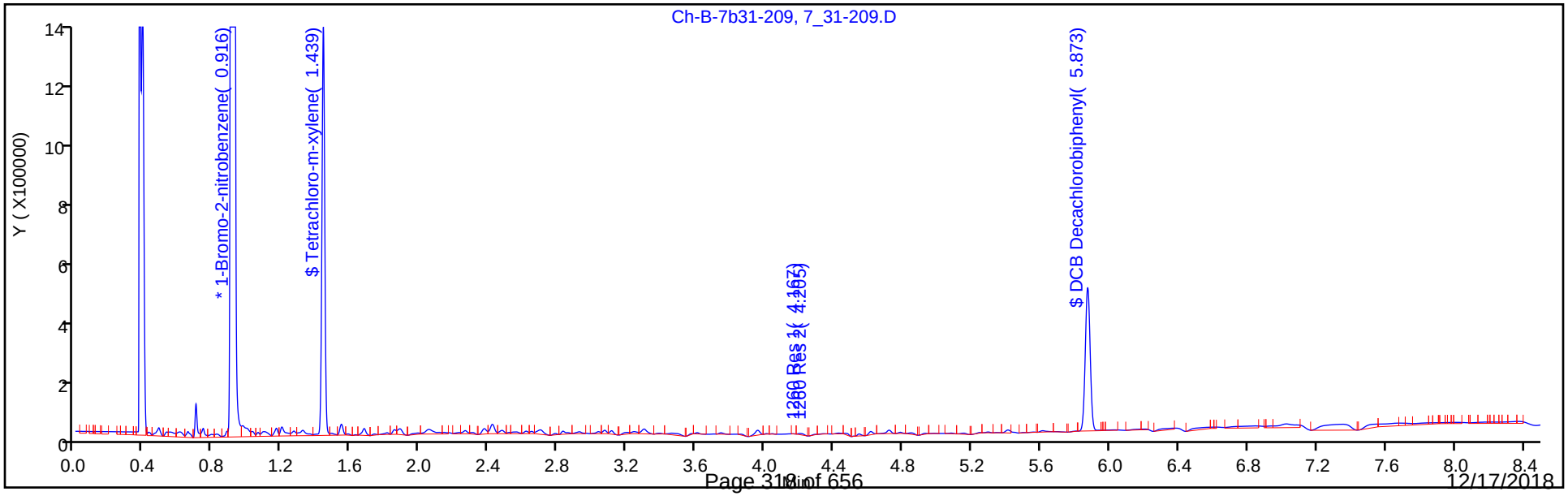
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-209.D

Injection Date:	19-Nov-2018 22:53:58	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	480-145287-A-6-B	Lab Sample ID:	480-145287-6	Worklist Smp#:	49
Client ID:	SW-05				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-145287-1

SDG No.:

Client Sample ID: B-2 | Lab Sample ID: 480-145287-7

Matrix: Solid | Lab File ID: 7_31-210.D

Analysis Method: 8082A | Date Collected: 11/13/2018 14:45

Extraction Method: 3550C | Date Extracted: 11/16/2018 14:27

Sample wt/vol: 2.19(g) | Date Analyzed: 11/19/2018 23:09

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 14.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 446375 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
11104-28-2	PCB-1221	ND		270	52
53469-21-9	PCB-1242	ND		270	52
11097-69-1	PCB-1254	ND		270	120
11096-82-5	PCB-1260	ND		270	120
12674-11-2	PCB-1016	ND		270	52
12672-29-6	PCB-1248	ND		270	52
11141-16-5	PCB-1232	ND		270	52
37324-23-5	PCB-1262	ND		270	120
11100-14-4	PCB-1268	ND		270	120

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	129		60-154
2051-24-3	DCB Decachlorobiphenyl	128		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\chromdocs2018\q3\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-210.D
Lims ID: 480-145287-A-7-B
Client ID: B-2
Sample Type: Client
Inject. Date: 19-Nov-2018 23:09:49 ALS Bottle#: 0 Worklist Smp#: 50
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\chromdocs2018\q3\Buffalo\ChromData\HP6890-07\20181119-76571.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 20-Nov-2018 12:22:30 Calib Date: 17-Sep-2018 16:57:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-062.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: CTX0301

First Level Reviewer: thongjanw Date: 20-Nov-2018 12:22:30

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						s
1	1.074	1.072	0.002	10974706	0.5000	
2	0.916	0.914	0.002	32903974	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.950	1.948	0.002	685033	0.0258	
2	1.439	1.436	0.003	1449945	0.0184	
					RPD = 33.21	
10 PCB-1248						M
1	3.311	3.308	0.003	22590	-0.0334	M
1	3.409	3.409	0.000	14614	0.0153	
1	3.613	3.614	-0.001	19562	0.0146	
1	3.650	3.649	0.001	15021	0.0162	
1	3.790	3.790	0.000	15531	0.0156	
		Average of Peak Amounts =			0.005658	
2	2.075	2.073	0.002	96343	0.0700	
2	2.372	2.369	0.003	95041	0.0254	
2	2.927	2.924	0.003	49098	0.0183	
2	3.071	3.070	0.001	49276	0.0111	
2	3.301	3.299	0.002	67111	0.0226	
		Average of Peak Amounts =			0.0295	
					RPD = 135.59	

LOD = 0.0100

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
4 1260 Res 2						
1	4.233	4.237	0.008	2994	NC	
2	4.209	4.232	-0.012	13146	NC	
$ 15 DCB Decachlorobiphenyl						
1	6.829	6.826	0.003	425153	0.0255	
2	5.874	5.875	-0.001	980738	0.0314	
					RPD = 20.77	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- 7 - Failed Limit of Detection
- s - Failed ISTD Recovery Test

Review Flags
- M - Manually Integrated

Reagents:

PCB IS 1B2NB_00052 Amount Added: 10.00 Units: uL Run Reagent

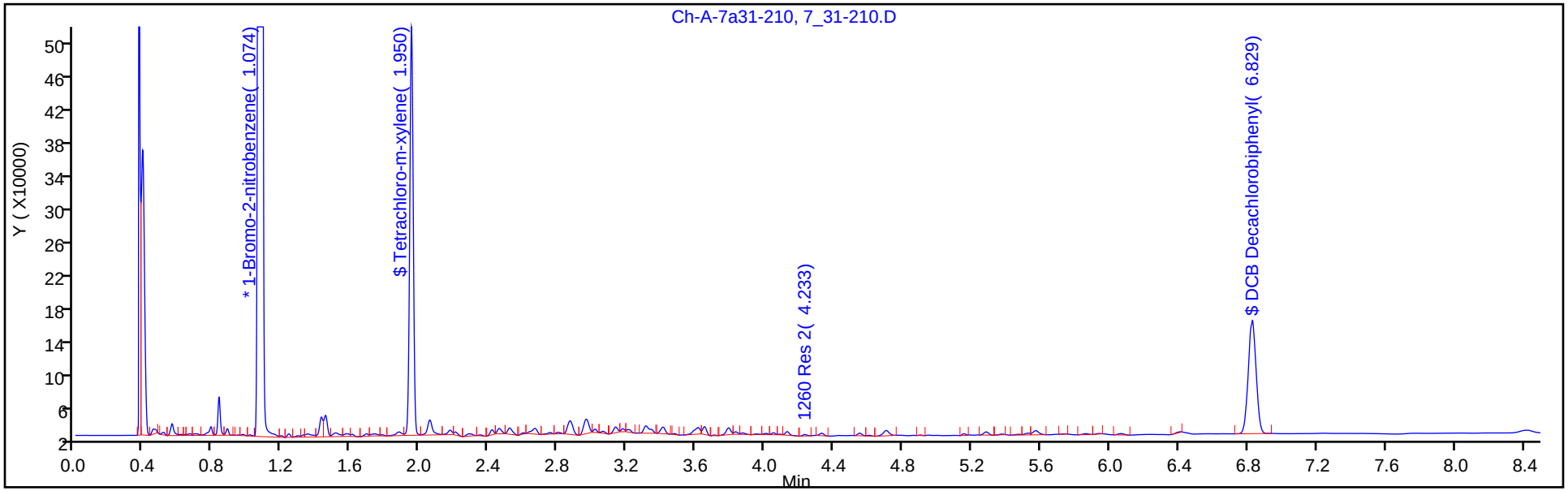
Report Date: 20-Nov-2018 12:22:30 Chrom Revision: 2.3 19-Nov-2018 09:14:08

TestAmerica Buffalo

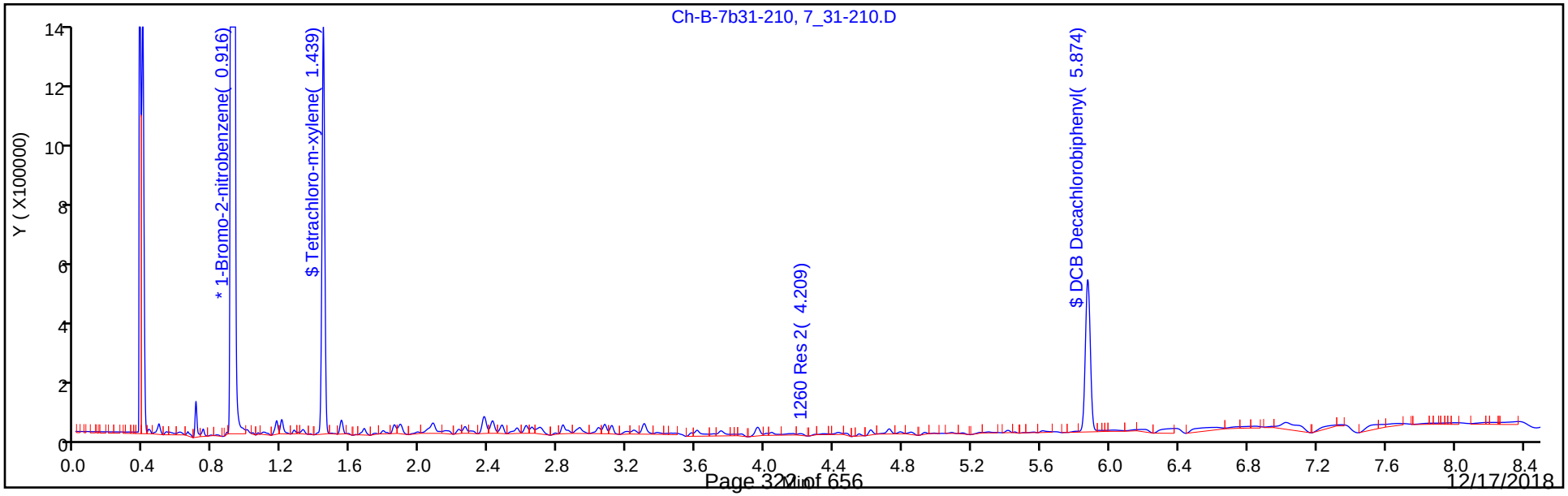
Data File: \\chromdocs2018\q3\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-210.D

Injection Date:	19-Nov-2018 23:09:49	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	480-145287-A-7-B	Lab Sample ID:	480-145287-7	Worklist Smp#:	50
Client ID:	B-2				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



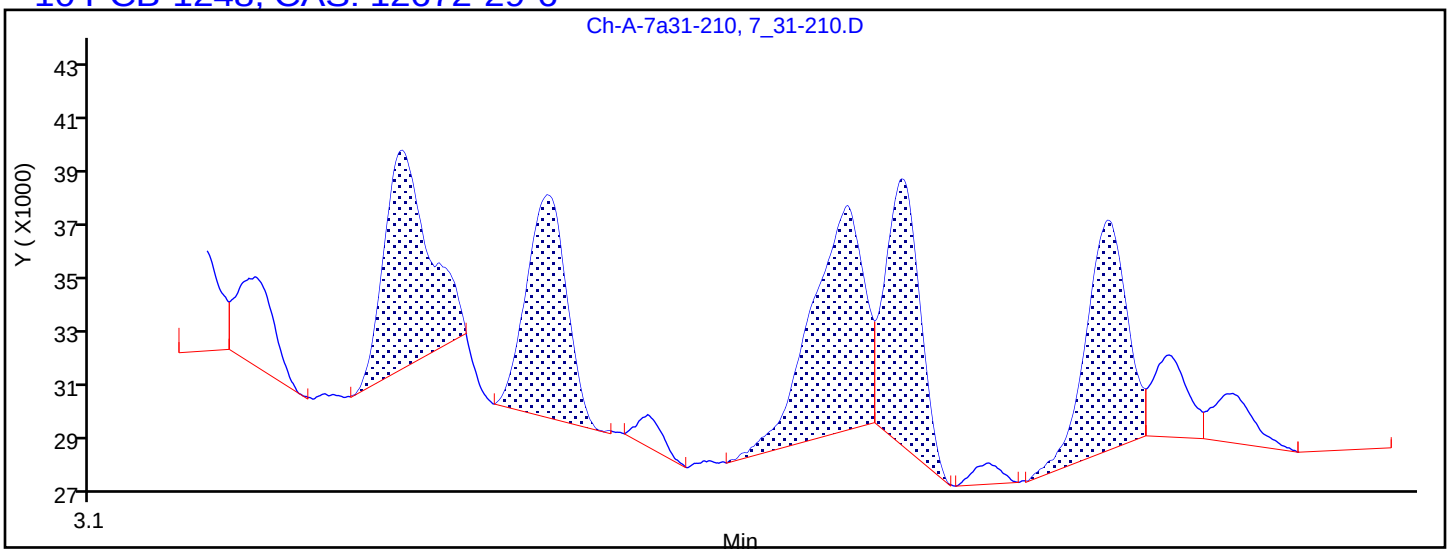
Report Date: 20-Nov-2018 12:22:30 Chrom Revision: 2.3 19-Nov-2018 09:14:08

TestAmerica Buffalo

Data File: \\chromdocs2018\q3\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-210.D

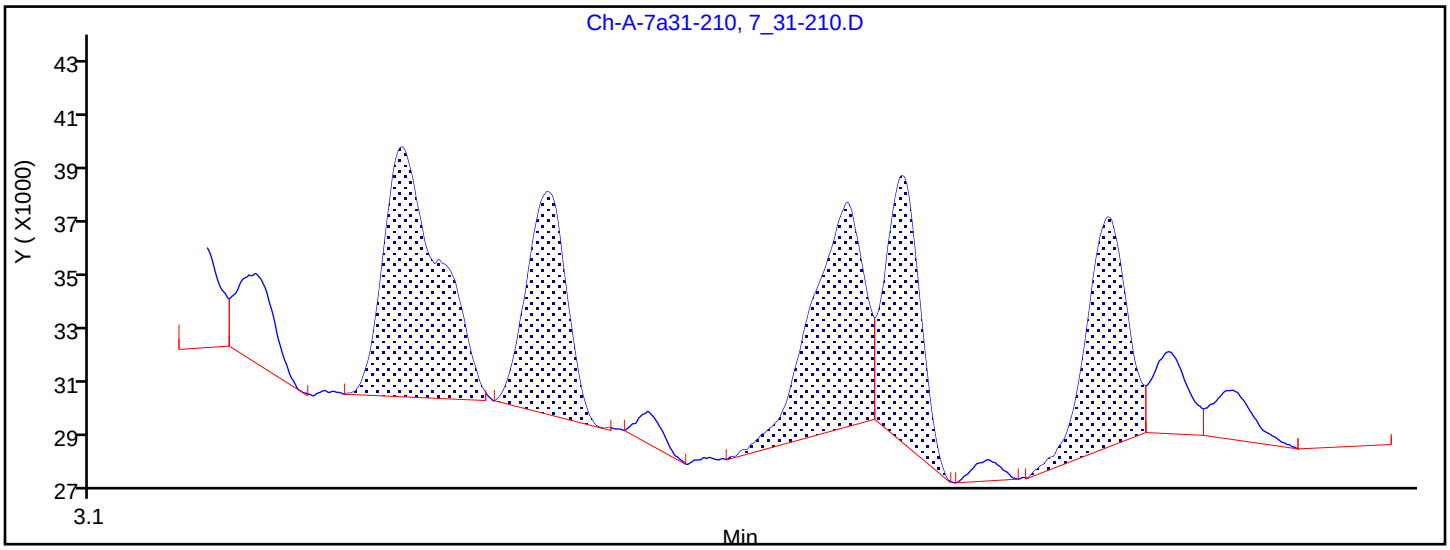
Injection Date:	19-Nov-2018 23:09:49	Instrument ID:	HP6890-7		
Lims ID:	480-145287-A-7-B	Lab Sample ID:	480-145287-7		
Client ID:	B-2				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	50
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

10 PCB-1248, CAS: 12672-29-6



Processing Integration Results

3.311	Response = 15969
3.409	Response = 14614
3.613	Response = 19562
3.650	Response = 15021
3.790	Response = 15531



Manual Integration Results

3.311	Response = 22590	M
3.409	Response = 14614	
3.613	Response = 19562	
3.650	Response = 15021	
3.790	Response = 15531	

Reviewer: thongjanw, 20-Nov-2018 12:22:03

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-145287-1

SDG No.:

Client Sample ID: B-2 | Lab Sample ID: 480-145287-7

Matrix: Solid | Lab File ID: 7_31-210.D

Analysis Method: 8082A | Date Collected: 11/13/2018 14:45

Extraction Method: 3550C | Date Extracted: 11/16/2018 14:27

Sample wt/vol: 2.19(g) | Date Analyzed: 11/19/2018 23:09

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 14.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 446375 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	92		60-154
2051-24-3	DCB Decachlorobiphenyl	157		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\chromdocs2018\q3\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-210.D
Lims ID: 480-145287-A-7-B
Client ID: B-2
Sample Type: Client
Inject. Date: 19-Nov-2018 23:09:49 ALS Bottle#: 0 Worklist Smp#: 50
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\chromdocs2018\q3\Buffalo\ChromData\HP6890-07\20181119-76571.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 20-Nov-2018 12:22:30 Calib Date: 17-Sep-2018 16:57:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-062.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: CTX0301

First Level Reviewer: thongjanw Date: 20-Nov-2018 12:22:30

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						s
1	1.074	1.072	0.002	10974706	0.5000	
2	0.916	0.914	0.002	32903974	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.950	1.948	0.002	685033	0.0258	
2	1.439	1.436	0.003	1449945	0.0184	
					RPD = 33.21	
10 PCB-1248						M
1	3.311	3.308	0.003	22590	-0.0334	M
1	3.409	3.409	0.000	14614	0.0153	
1	3.613	3.614	-0.001	19562	0.0146	
1	3.650	3.649	0.001	15021	0.0162	
1	3.790	3.790	0.000	15531	0.0156	
		Average of Peak Amounts =			0.005658	
2	2.075	2.073	0.002	96343	0.0700	
2	2.372	2.369	0.003	95041	0.0254	
2	2.927	2.924	0.003	49098	0.0183	
2	3.071	3.070	0.001	49276	0.0111	
2	3.301	3.299	0.002	67111	0.0226	
		Average of Peak Amounts =			0.0295	
					RPD = 135.59	

LOD = 0.0100

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
4 1260 Res 2						
1	4.233	4.237	0.008	2994	NC	
2	4.209	4.232	-0.012	13146	NC	
$ 15 DCB Decachlorobiphenyl						
1	6.829	6.826	0.003	425153	0.0255	
2	5.874	5.875	-0.001	980738	0.0314	
					RPD = 20.77	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- 7 - Failed Limit of Detection
- s - Failed ISTD Recovery Test

Review Flags
- M - Manually Integrated

Reagents:

PCB IS 1B2NB_00052 Amount Added: 10.00 Units: uL Run Reagent

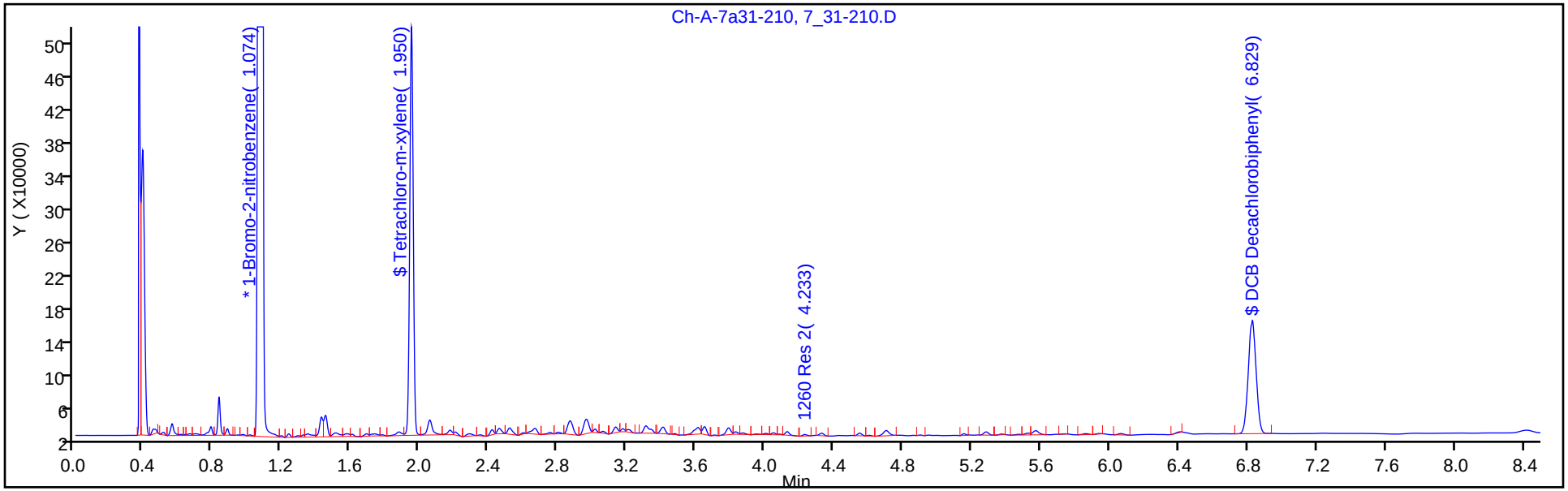
Report Date: 20-Nov-2018 12:22:30 Chrom Revision: 2.3 19-Nov-2018 09:14:08

TestAmerica Buffalo

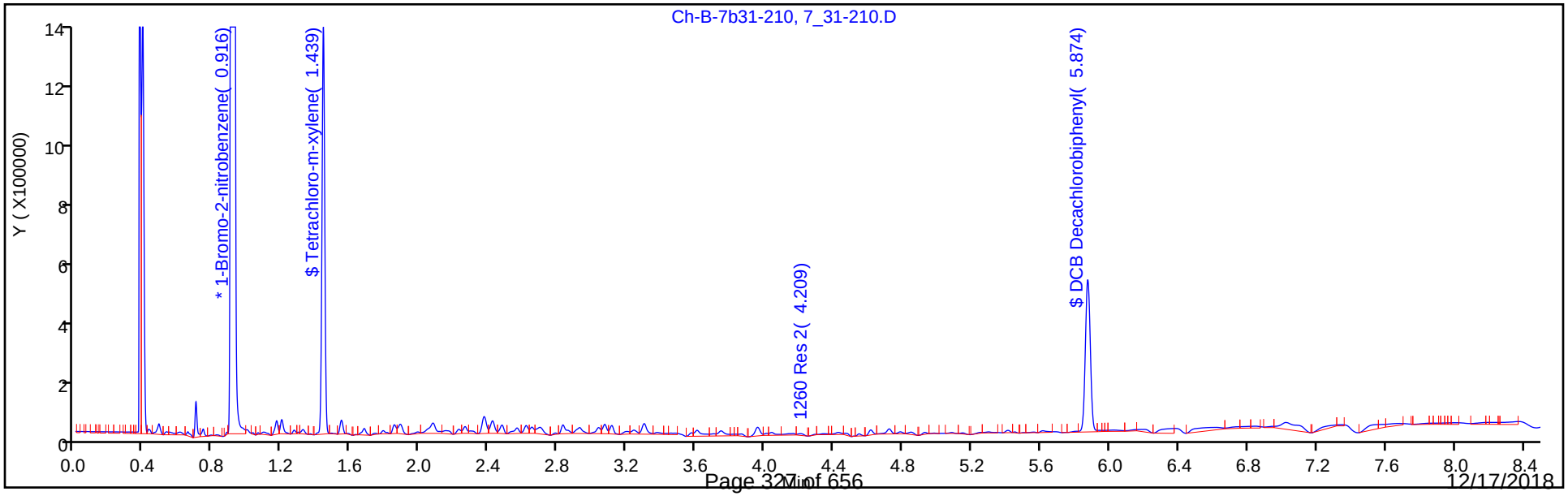
Data File: \\chromdocs2018\q3\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-210.D

Injection Date:	19-Nov-2018 23:09:49	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	480-145287-A-7-B	Lab Sample ID:	480-145287-7	Worklist Smp#:	50
Client ID:	B-2				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-145287-1

SDG No.:

Client Sample ID: SW-06 | Lab Sample ID: 480-145287-8

Matrix: Solid | Lab File ID: 7_31-211.D

Analysis Method: 8082A | Date Collected: 11/13/2018 16:35

Extraction Method: 3550C | Date Extracted: 11/16/2018 14:27

Sample wt/vol: 2.46(g) | Date Analyzed: 11/19/2018 23:25

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 11.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 446375 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
11104-28-2	PCB-1221	ND		230	45
53469-21-9	PCB-1242	ND		230	45
11097-69-1	PCB-1254	ND		230	110
11096-82-5	PCB-1260	ND		230	110
12674-11-2	PCB-1016	ND		230	45
12672-29-6	PCB-1248	110	J	230	45
11141-16-5	PCB-1232	ND		230	45
37324-23-5	PCB-1262	ND		230	110
11100-14-4	PCB-1268	ND		230	110

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	129		60-154
2051-24-3	DCB Decachlorobiphenyl	127		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\chromdocs2018\q3\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-211.D
Lims ID: 480-145287-B-8-B
Client ID: SW-06
Sample Type: Client
Inject. Date: 19-Nov-2018 23:25:40 ALS Bottle#: 0 Worklist Smp#: 51
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\chromdocs2018\q3\Buffalo\ChromData\HP6890-07\20181119-76571.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 20-Nov-2018 12:22:30 Calib Date: 17-Sep-2018 16:57:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-062.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: CTX0301

First Level Reviewer: thongjanw Date: 20-Nov-2018 12:21:02

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						s
1	1.075	1.072	0.003	10542184	0.5000	
2	0.917	0.914	0.003	31161157	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.951	1.948	0.003	660947	0.0259	
2	1.439	1.436	0.003	1552618	0.0209	
					RPD = 21.24	
10 PCB-1248						M
1	3.310	3.308	0.002	39834	-0.0145	M
1	3.408	3.409	-0.001	29817	0.0325	M
1	3.612	3.614	-0.002	43329	0.0336	M
1	3.650	3.649	0.001	32235	0.0362	M
1	3.790	3.790	0.000	30969	0.0324	M
		Average of Peak Amounts =			0.0240	
2	2.076	2.073	0.003	135797	0.1112	
2	2.373	2.369	0.003	170645	0.0588	
2	2.925	2.924	0.001	114868	0.0452	
2	3.071	3.070	0.001	90957	0.0319	
2	3.299	3.299	0.000	111461	0.0396	
		Average of Peak Amounts =			0.0573	
					RPD = 81.86	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
2 1260 Res 1						M
1	4.130	4.135	0.008	17652	NC	M
2	4.165	4.179	-0.003	6300	NC	
4 1260 Res 2						M
1	4.229	4.237	0.005	5270	NC	M
2	4.209	4.232	-0.012	8350	NC	
3 1260 Res 3						
1	0.0	4.467	-4.453	0	NC	
2	4.468	4.483	-0.002	11043	NC	
$ 15 DCB Decachlorobiphenyl						
1	6.830	6.826	0.004	406199	0.0254	
2	5.874	5.875	-0.001	927922	0.0314	
					RPD = 21.21	

QC Flag Legend

Processing Flags
NC - Not Calibrated
s - Failed ISTD Recovery Test
Review Flags
M - Manually Integrated

Reagents:

PCB IS 1B2NB_00052 Amount Added: 10.00 Units: uL Run Reagent

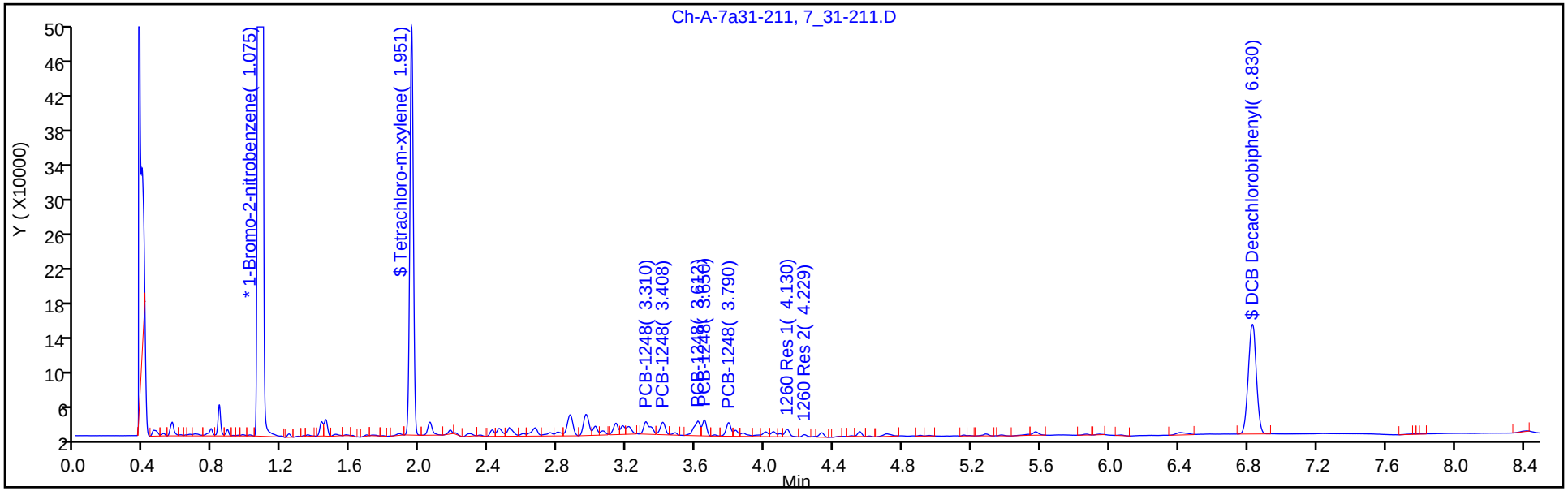
Report Date: 20-Nov-2018 12:22:38 Chrom Revision: 2.3 19-Nov-2018 09:14:08

TestAmerica Buffalo

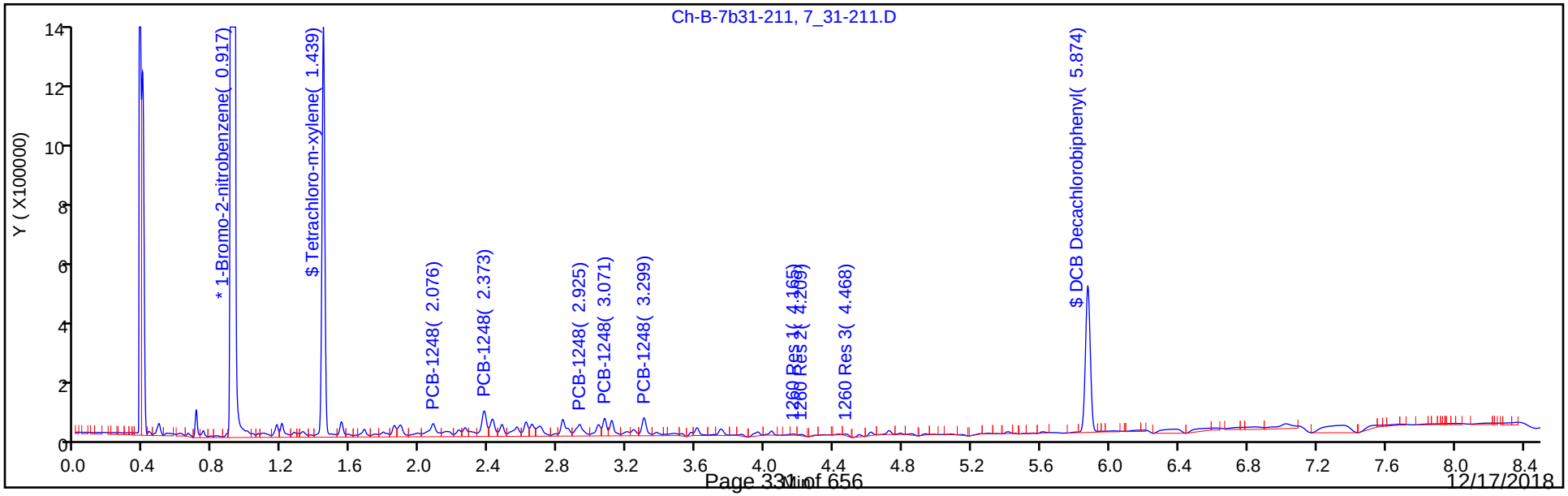
Data File: \\chromdocs2018\q3\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-211.D

Injection Date:	19-Nov-2018 23:25:40	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	480-145287-B-8-B	Lab Sample ID:	480-145287-8	Worklist Smp#:	51
Client ID:	SW-06				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



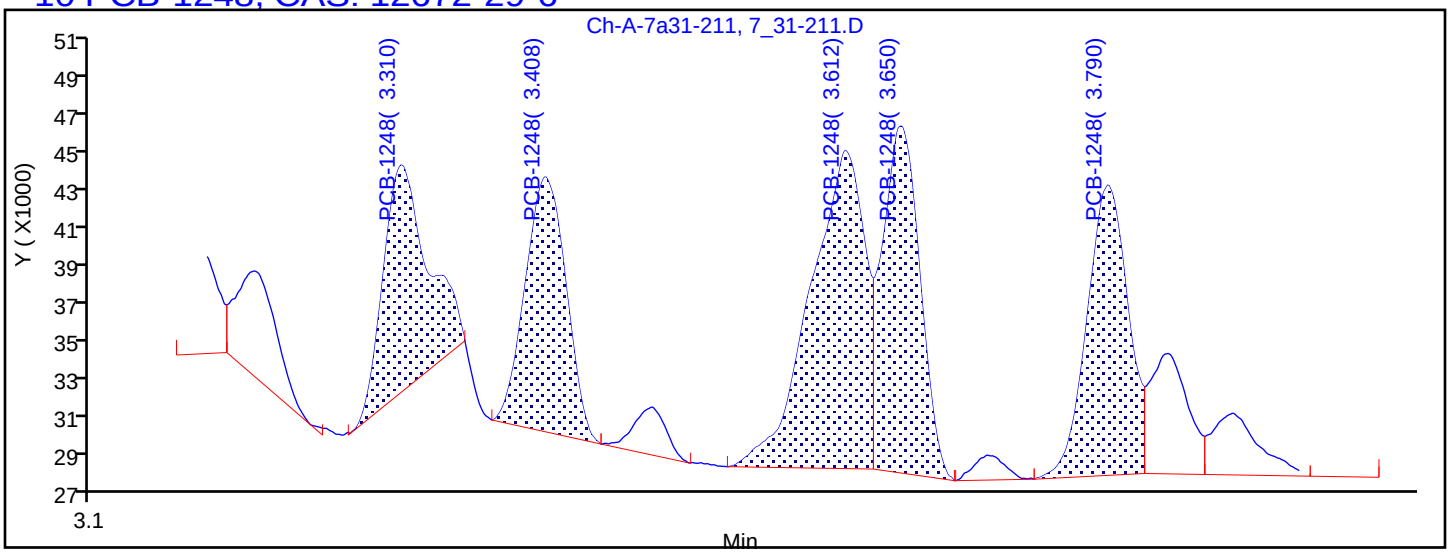
Report Date: 20-Nov-2018 12:22:38 Chrom Revision: 2.3 19-Nov-2018 09:14:08

TestAmerica Buffalo

Data File: \\chromdocs2018\q3\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-211.D

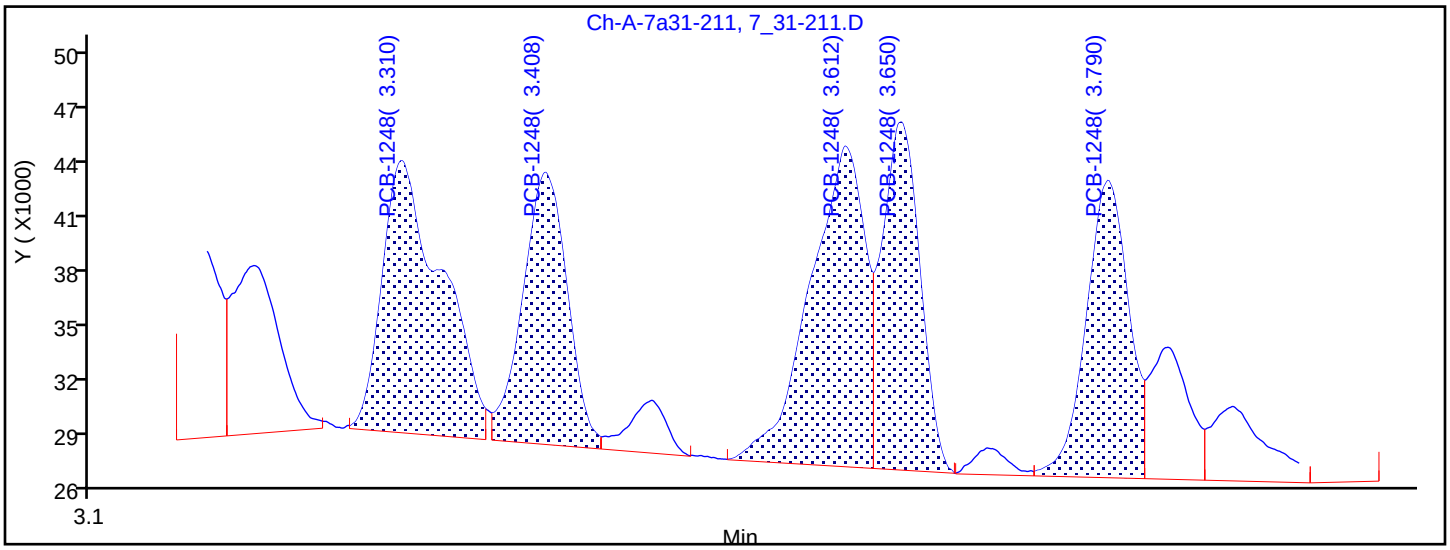
Injection Date:	19-Nov-2018 23:25:40	Instrument ID:	HP6890-7		
Lims ID:	480-145287-B-8-B	Lab Sample ID:	480-145287-8		
Client ID:	SW-06				
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	51
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

10 PCB-1248, CAS: 12672-29-6



Processing Integration Results

3.310	Response = 24388
3.408	Response = 25298
3.612	Response = 42232
3.650	Response = 31655
3.790	Response = 29016



Manual Integration Results

3.310	Response = 39834	M
3.408	Response = 29817	M
3.612	Response = 43329	M
3.650	Response = 32235	M
3.790	Response = 30969	M

Reviewer: thongjanw, 20-Nov-2018 12:20:13

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-145287-1

SDG No.:

Client Sample ID: SW-06 | Lab Sample ID: 480-145287-8

Matrix: Solid | Lab File ID: 7_31-211.D

Analysis Method: 8082A | Date Collected: 11/13/2018 16:35

Extraction Method: 3550C | Date Extracted: 11/16/2018 14:27

Sample wt/vol: 2.46(g) | Date Analyzed: 11/19/2018 23:25

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 11.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 446375 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	105		60-154
2051-24-3	DCB Decachlorobiphenyl	157		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\chromdocs2018\q3\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-211.D
Lims ID: 480-145287-B-8-B
Client ID: SW-06
Sample Type: Client
Inject. Date: 19-Nov-2018 23:25:40 ALS Bottle#: 0 Worklist Smp#: 51
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\chromdocs2018\q3\Buffalo\ChromData\HP6890-07\20181119-76571.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 20-Nov-2018 12:22:30 Calib Date: 17-Sep-2018 16:57:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-062.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: CTX0301

First Level Reviewer: thongjanw Date: 20-Nov-2018 12:21:02

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene						s
1	1.075	1.072	0.003	10542184	0.5000	
2	0.917	0.914	0.003	31161157	0.5000	
					RPD = 0.00	
$ 6 Tetrachloro-m-xylene						
1	1.951	1.948	0.003	660947	0.0259	
2	1.439	1.436	0.003	1552618	0.0209	
					RPD = 21.24	
10 PCB-1248						M
1	3.310	3.308	0.002	39834	-0.0145	M
1	3.408	3.409	-0.001	29817	0.0325	M
1	3.612	3.614	-0.002	43329	0.0336	M
1	3.650	3.649	0.001	32235	0.0362	M
1	3.790	3.790	0.000	30969	0.0324	M
		Average of Peak Amounts =			0.0240	
2	2.076	2.073	0.003	135797	0.1112	
2	2.373	2.369	0.003	170645	0.0588	
2	2.925	2.924	0.001	114868	0.0452	
2	3.071	3.070	0.001	90957	0.0319	
2	3.299	3.299	0.000	111461	0.0396	
		Average of Peak Amounts =			0.0573	
					RPD = 81.86	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
2 1260 Res 1						M
1	4.130	4.135	0.008	17652	NC	M
2	4.165	4.179	-0.003	6300	NC	
4 1260 Res 2						M
1	4.229	4.237	0.005	5270	NC	M
2	4.209	4.232	-0.012	8350	NC	
3 1260 Res 3						
1	0.0	4.467	-4.453	0	NC	
2	4.468	4.483	-0.002	11043	NC	
$ 15 DCB Decachlorobiphenyl						
1	6.830	6.826	0.004	406199	0.0254	
2	5.874	5.875	-0.001	927922	0.0314	
					RPD = 21.21	

QC Flag Legend

Processing Flags
NC - Not Calibrated
s - Failed ISTD Recovery Test
Review Flags
M - Manually Integrated

Reagents:

PCB IS 1B2NB_00052 Amount Added: 10.00 Units: uL Run Reagent

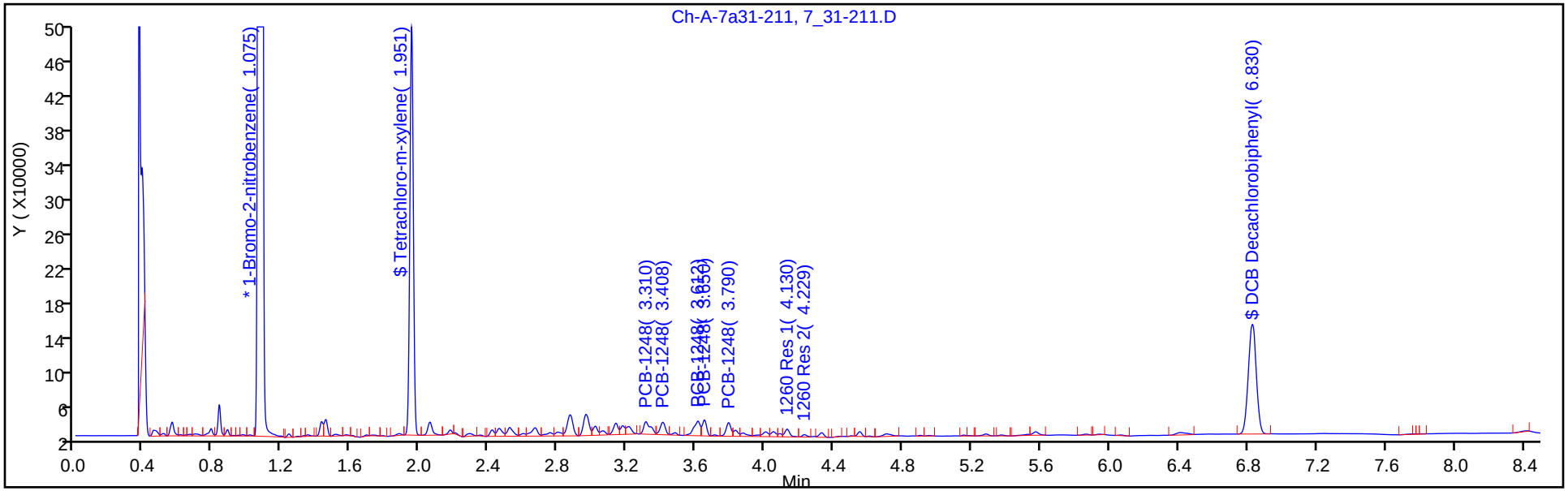
Report Date: 20-Nov-2018 12:22:38 Chrom Revision: 2.3 19-Nov-2018 09:14:08

TestAmerica Buffalo

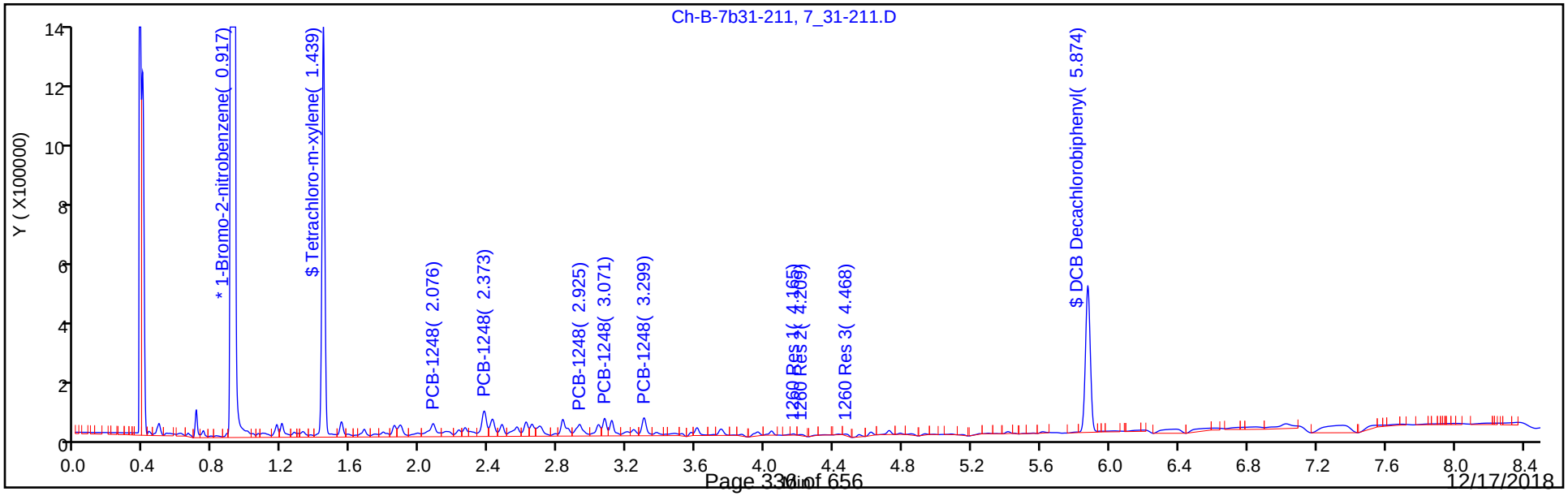
Data File: \\chromdocs2018\q3\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-211.D

Injection Date:	19-Nov-2018 23:25:40	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	480-145287-B-8-B	Lab Sample ID:	480-145287-8	Worklist Smp#:	51
Client ID:	SW-06				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1 Analy Batch No.: 413004

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2018 14:26 Calibration End Date: 05/07/2018 16:02 Calibration ID: 33759

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-413004/10	7_13-132.D
Level 2	IC 480-413004/9	7_13-131.D
Level 3	IC 480-413004/8	7_13-130.D
Level 4	IC 480-413004/7	7_13-129.D
Level 5	ICIS 480-413004/6	7_13-128.D
Level 6	IC 480-413004/5	7_13-127.D
Level 7	IC 480-413004/4	7_13-126.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	0.1202 0.0978	0.1199 0.0955	0.1082	0.1051	0.0979	Ave		0.1064				9.7		20.0			
PCB-1016 Peak 2	0.0727 0.0363	0.0485 0.0351	0.0443	0.0402	0.0370	Lin1	0.0008	0.0351							1.0000		0.9900
PCB-1016 Peak 3	0.0319 0.0254	0.0320 0.0250	0.0295	0.0279	0.0255	Ave		0.0282				10.8		20.0			
PCB-1016 Peak 4	0.0540 0.0189	0.0303 0.0180	0.0305	0.0245	0.0227	Lin1	0.0008	0.0184							0.9920		0.9900
PCB-1016 Peak 5	0.0451 0.0314	0.0406 0.0310	0.0384	0.0349	0.0325	Ave		0.0363				14.7		20.0			
PCB-1260 Peak 1	0.0791 0.0578	0.0723 0.0571	0.0674	0.0635	0.0551	Ave		0.0646				13.7		20.0			
PCB-1260 Peak 2	0.0976 0.0622	0.0797 0.0622	0.0748	0.0687	0.0617	Ave		0.0724				18.1		20.0			
PCB-1260 Peak 3	0.1583 0.0800	0.1136 0.0799	0.1026	0.0910	0.0841	Lin1	0.0017	0.0793							1.0000		0.9900
PCB-1260 Peak 4	0.0627 0.0356	0.0482 0.0363	0.0460	0.0411	0.0338	Lin1	0.0006	0.0355							0.9980		0.9900
PCB-1260 Peak 5	0.1531 0.0845	0.1147 0.0854	0.1044	0.0947	0.0826	Lin1	0.0015	0.0838							0.9990		0.9900
Tetrachloro-m-xylene	+++++ 1.5194	2.1530 1.4981	1.7464	1.7736	1.7334	Ave		1.7373				13.6		20.0			
DCB Decachlorobiphenyl	+++++ 1.0067	1.4308 0.9653	1.2963	1.2034	0.9994	Ave		1.1503				16.5		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.: 480-145287-1 Analy Batch No.: 413004

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2018 14:26 Calibration End Date: 05/07/2018 16:02 Calibration ID: 33759

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-413004/10	7_13-132.D
Level 2	IC 480-413004/9	7_13-131.D
Level 3	IC 480-413004/8	7_13-130.D
Level 4	IC 480-413004/7	7_13-129.D
Level 5	ICIS 480-413004/6	7_13-128.D
Level 6	IC 480-413004/5	7_13-127.D
Level 7	IC 480-413004/4	7_13-126.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	52040 2231730	133662 4218893	236540	460618	1200146	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 2	BNB	Lin1	31463 828283	54040 1551137	96762	176476	453786	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 3	BNB	Ave	13798 578603	35670 1103414	64525	122500	312652	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 4	BNB	Lin1	23385 430344	33758 793904	66582	107206	278385	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 5	BNB	Ave	19545 715417	45226 1368984	83941	152859	397842	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 1	BNB	Ave	34229 1319545	80572 2522961	147372	278527	675655	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 2	BNB	Ave	42242 1419127	88830 2749484	163364	301196	756158	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 3	BNB	Lin1	68532 1824575	126549 3531943	224126	398950	1030741	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 4	BNB	Lin1	27125 811967	53687 1606093	100513	180251	414190	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 5	BNB	Lin1	66288 1927547	127813 3774789	228224	415319	1011699	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
Tetrachloro-m-xylene	BNB	Ave	+++++ 866563	59984 1654877	95402	194414	531035	+++++ 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125
DCB Decachlorobiphenyl	BNB	Ave	+++++ 574135	39862 1066331	70817	131909	306172	+++++ 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\HP6890-07\20180507-71316.b\7_13-126.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 07-May-2018 14:26:43 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-May-2018 12:38:34 Calib Date: 07-May-2018 21:20:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-152.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: salversonj Date: 08-May-2018 06:59:01

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	1.062	1.062	0.000	11046430	0.5000	0.5000	
2	0.910	0.911	-0.001	23143426	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.944	1.943	0.002	1654877	0.0500	0.0431	
2	1.439	1.438	0.001	3124346	0.0500	0.0422	
						RPD = 2.17	
9 PCB-1016							
1	2.870	2.868	0.002	4218893	2.00	1.80	
1	2.953	2.952	0.001	1551137	2.00	1.98	
1	3.015	3.014	0.001	1103414	2.00	1.77	
1	3.135	3.133	0.002	793904	2.00	1.91	
1	3.410	3.408	0.002	1368984	2.00	1.71	
		Average of Peak Amounts =				1.83	
2	2.378	2.378	0.000	6669053	2.00	1.65	
2	2.481	2.480	0.001	2950807	2.00	1.60	
2	2.568	2.567	0.001	1844707	2.00	1.96	
2	2.834	2.833	0.001	3463273	2.00	1.62	
2	2.932	2.931	0.001	2660524	2.00	1.97	
		Average of Peak Amounts =				1.76	
						RPD = 4.13	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							
1	4.320	4.320	0.000	2522961	2.00	1.77	
1	4.503	4.502	0.000	2749484	2.00	1.72	
1	4.729	4.730	-0.001	3531943	2.00	1.99	
1	5.048	5.048	0.000	1606093	2.00	2.03	
1	5.255	5.253	0.002	3774789	2.00	2.02	
		Average of Peak Amounts =				1.91	
2	3.755	3.754	0.001	4303623	2.00	1.73	
2	4.168	4.168	0.000	4581366	2.00	1.72	
2	4.469	0.000	4.469	3218917	2.00	1.71	
2	4.617	0.000	4.617	6495523	2.00	1.74	
2	4.935	4.936	-0.001	4388220	2.00	1.73	
		Average of Peak Amounts =				1.73	
						RPD = 9.97	
$ 15 DCB Decachlorobiphenyl							
1	6.822	6.823	-0.001	1066331	0.0500	0.0420	
2	5.867	5.865	0.002	1551774	0.0500	0.0428	
						RPD = 1.90	

Reagents:

1660sur/is2.0_00008 Amount Added: 1.00 Units: mL

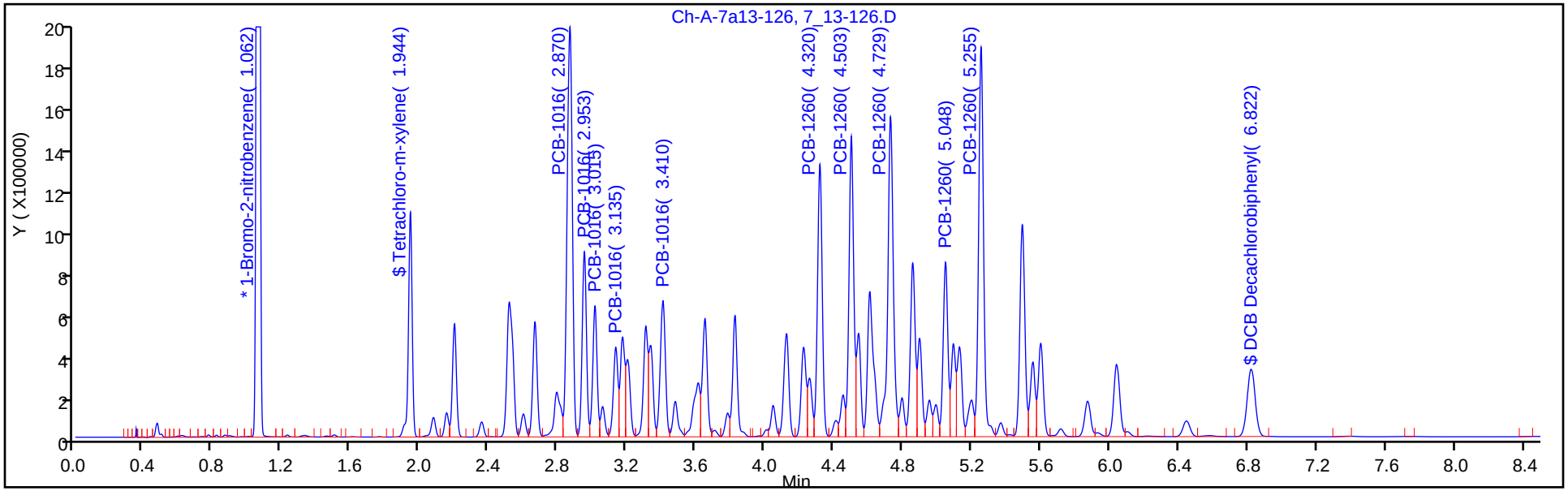
Report Date: 08-May-2018 12:38:35 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

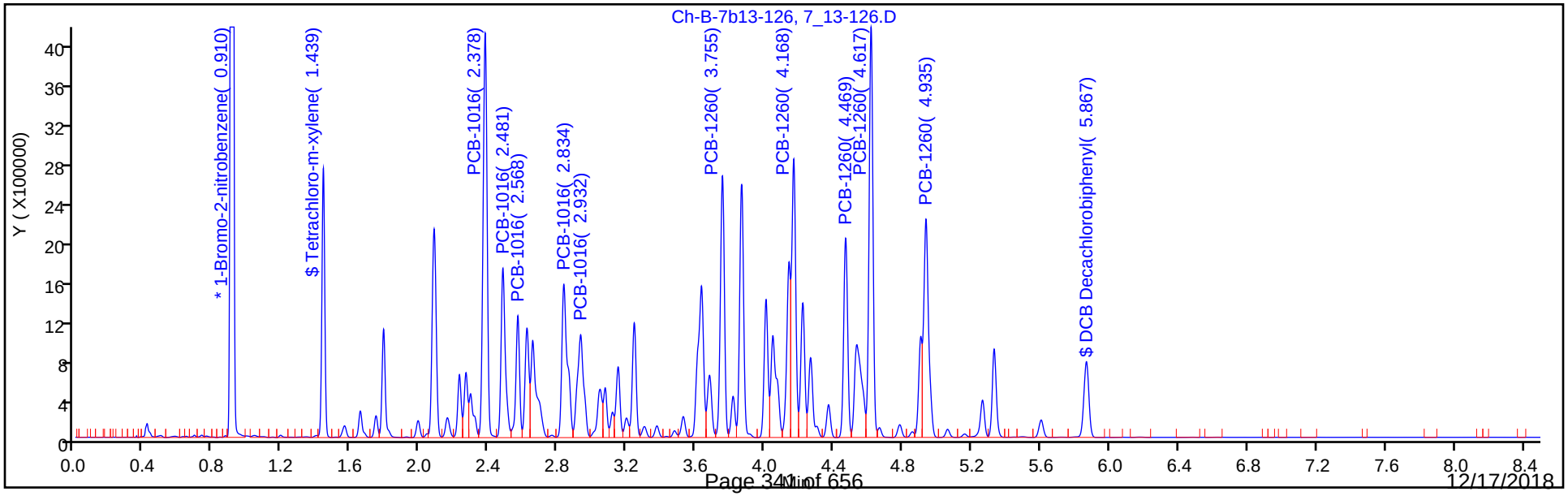
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-126.D

Injection Date:	07-May-2018 14:26:43	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 7			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-127.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 07-May-2018 14:42:47 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-May-2018 12:38:37 Calib Date: 07-May-2018 21:20:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-152.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

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	1.062	1.062	0.000	11406332	0.5000	0.5000	
2	0.910	0.911	-0.001	24242554	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.943	1.943	0.001	866563	0.0250	0.0219	
2	1.438	1.438	0.000	1647923	0.0250	0.0212	
						RPD = 2.88	
9 PCB-1016							
1	2.868	2.868	0.000	2231730	1.00	0.9196	
1	2.953	2.952	0.000	828283	1.00	1.01	
1	3.014	3.014	0.000	578603	1.00	0.9003	
1	3.134	3.133	0.001	430344	1.00	0.9830	
1	3.409	3.408	0.001	715417	1.00	0.8649	
		Average of Peak Amounts =				0.9358	
2	2.378	2.378	0.000	3510386	1.00	0.8305	
2	2.481	2.480	0.001	1596243	1.00	0.8243	
2	2.567	2.567	0.000	976816	1.00	0.9776	
2	2.833	2.833	0.000	1853331	1.00	0.8258	
2	2.930	2.931	-0.001	1422254	1.00	1.00	
		Average of Peak Amounts =				0.8908	
						RPD = 4.94	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							
1	4.318	4.320	-0.002	1319545	1.00	0.8950	
1	4.502	4.502	0.000	1419127	1.00	0.8591	
1	4.730	4.730	0.000	1824575	1.00	0.9862	
1	5.048	5.048	0.000	811967	1.00	0.9856	
1	5.254	5.253	0.001	1927547	1.00	0.99	
		Average of Peak Amounts =				0.9433	
2	3.754	3.754	0.000	2272580	1.00	0.8698	
2	4.168	4.168	0.000	2395356	1.00	0.8597	
2	4.468	0.000	4.468	1691423	1.00	0.8585	
2	4.617	0.000	4.617	3342013	1.00	0.8545	
2	4.934	4.936	-0.002	2279368	1.00	0.8564	
		Average of Peak Amounts =				0.8598	
						RPD = 9.26	
$ 15 DCB Decachlorobiphenyl							
1	6.820	6.823	-0.003	574135	0.0250	0.0219	
2	5.866	5.865	0.001	833271	0.0250	0.0219	
						RPD = 0.20	

Reagents:

1660sur/is1.0_00009 Amount Added: 1.00 Units: mL

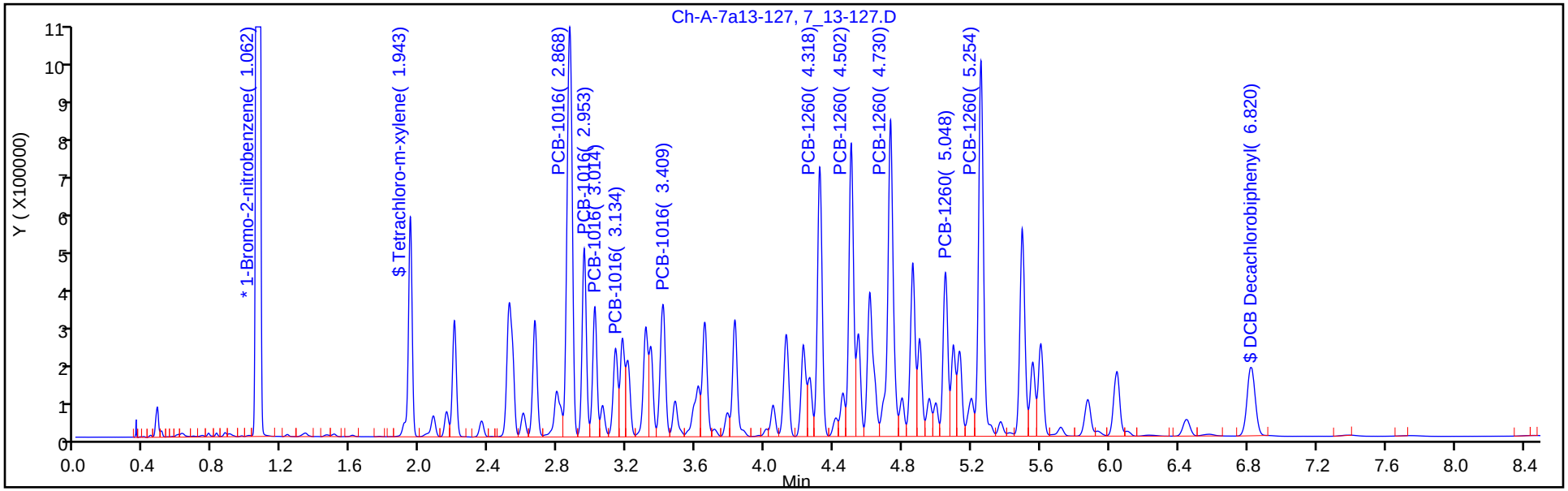
Report Date: 08-May-2018 12:38:38 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

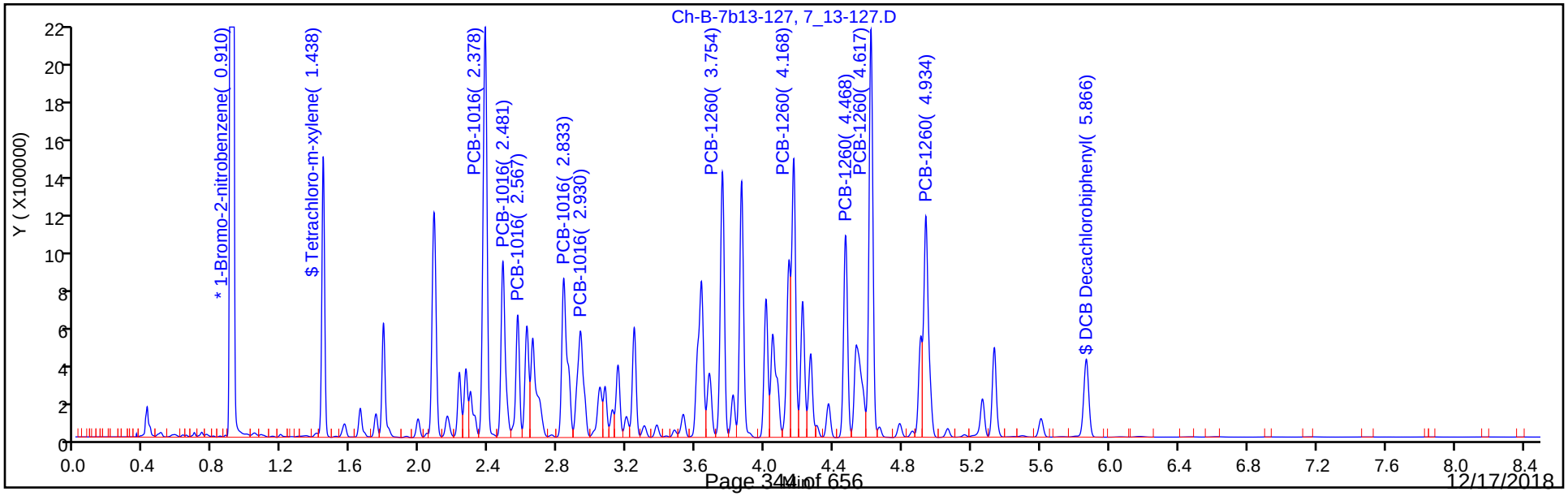
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-127.D

Injection Date:	07-May-2018 14:42:47	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 6			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-128.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 07-May-2018 14:58:36 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-May-2018 12:38:41 Calib Date: 07-May-2018 21:20:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-152.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: salversonj Date: 07-May-2018 17:45:44

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	1.062	1.062	0.000	12254361	0.5000	0.5000	
2	0.911	0.911	0.000	26060757	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.943	1.943	0.000	531035	0.0125	0.0125	
2	1.438	1.438	0.000	1057969	0.0125	0.0127	
						RPD = 1.71	
9 PCB-1016							
1	2.868	2.868	0.000	1200146	0.5000	0.4603	
1	2.952	2.952	0.000	453786	0.5000	0.5050	
1	3.013	3.013	0.000	312652	0.5000	0.4528	
1	3.133	3.133	0.000	278385	0.5000	0.5748	
1	3.407	3.407	0.000	397842	0.5000	0.4477	
		Average of Peak Amounts =				0.4881	
2	2.377	2.377	0.000	2260490	0.5000	0.4975	
2	2.481	2.481	0.000	894341	0.5000	0.4296	
2	2.567	2.567	0.000	604915	0.5000	0.5520	
2	2.834	2.834	0.000	1028656	0.5000	0.4264	
2	2.932	2.932	0.000	791197	0.5000	0.5061	
		Average of Peak Amounts =				0.4823	
						RPD = 1.20	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							
1	4.318	4.318	0.000	675655	0.5000	0.4266	
1	4.501	4.501	0.000	756158	0.5000	0.4261	
1	4.728	4.728	0.000	1030741	0.5000	0.5082	
1	5.048	5.048	0.000	414190	0.5000	0.4587	
1	5.253	5.253	0.000	1011699	0.5000	0.4747	
		Average of Peak Amounts =				0.4588	
2	3.754	3.754	0.000	1210811	0.5000	0.4311	
2	4.168	4.168	0.000	1324130	0.5000	0.4421	
2	4.469	4.469	0.000	888996	0.5000	0.4197	
2	4.615	4.615	0.000	1836973	0.5000	0.4369	
2	4.934	4.934	0.000	1215762	0.5000	0.4249	
		Average of Peak Amounts =				0.4309	
						RPD = 6.27	
$ 15 DCB Decachlorobiphenyl							
1	6.822	6.822	0.000	306172	0.0125	0.0109	
2	5.865	5.865	0.000	430067	0.0125	0.0105	
						RPD = 3.13	

Reagents:

1660sur/is0.5_00027 Amount Added: 1.00 Units: mL

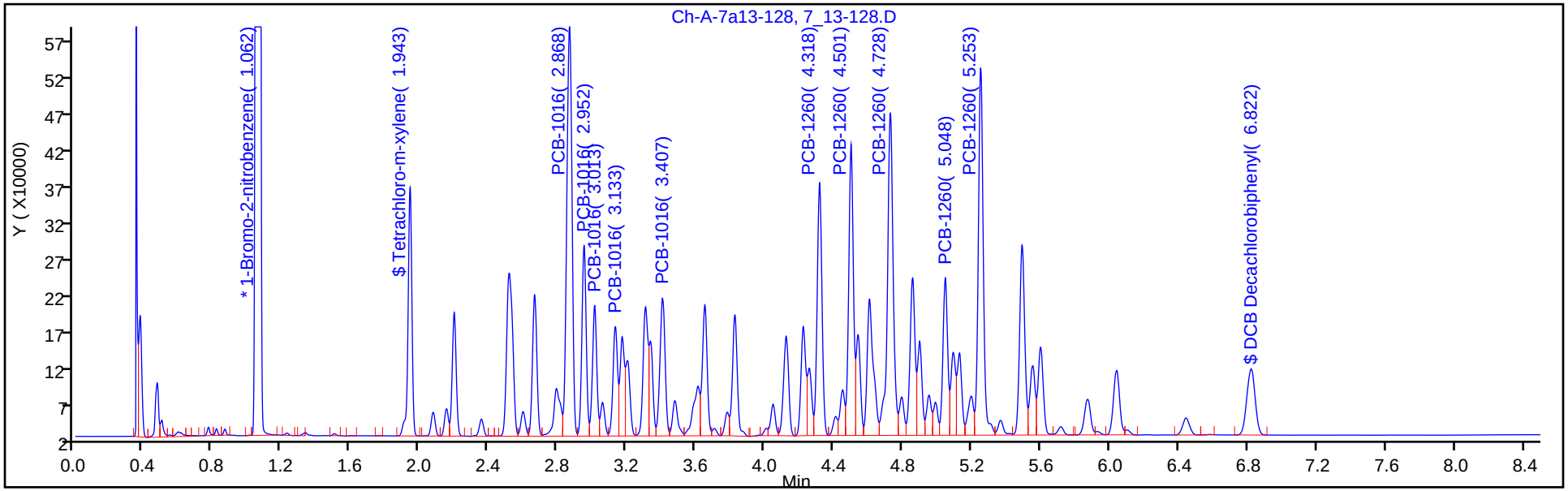
Report Date: 08-May-2018 12:38:42 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

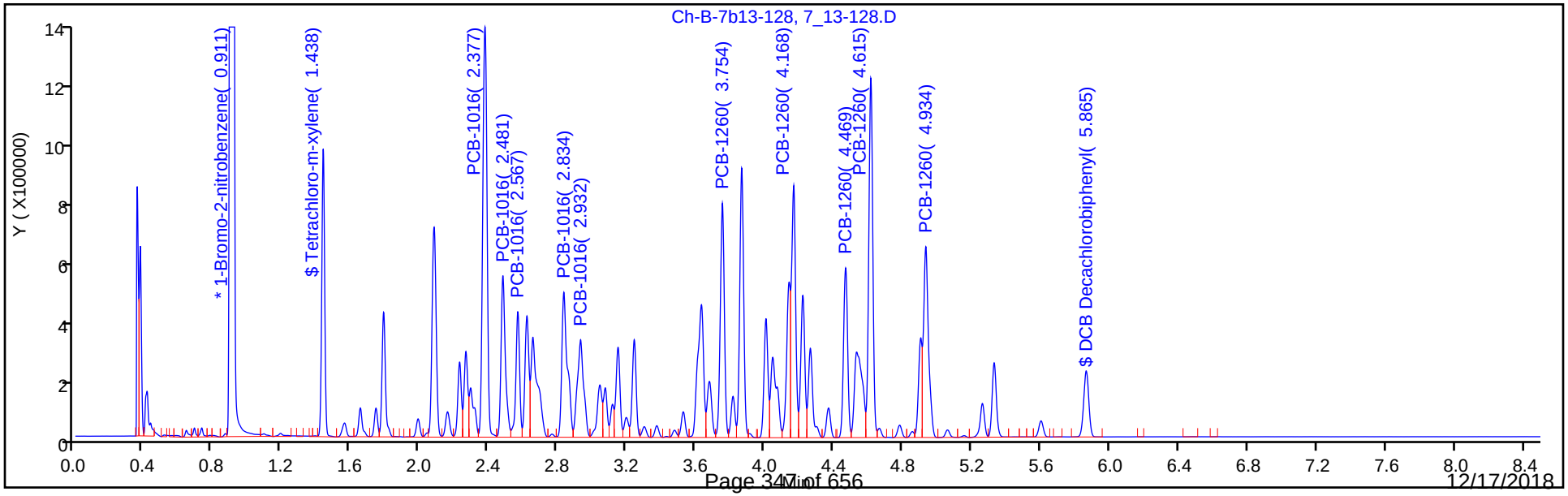
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-128.D

Injection Date:	07-May-2018 14:58:36	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	ICIS 5			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-129.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 07-May-2018 15:14:35 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-May-2018 12:38:44 Calib Date: 07-May-2018 21:20:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-152.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: salversonj Date: 08-May-2018 07:01:40

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	1.061	1.062	-0.001	10961658	0.5000	0.5000	
2	0.910	0.911	-0.001	23217803	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.943	1.943	0.001	194414	0.005000	0.005104	
2	1.438	1.438	0.000	351836	0.005000	0.004736	
						RPD = 7.49	
9 PCB-1016							M
1	2.868	2.868	0.000	460618	0.2000	0.1975	
1	2.951	2.952	-0.001	176476	0.2000	0.2072	
1	3.014	3.013	0.001	122500	0.2000	0.1984	
1	3.133	3.133	0.001	107206	0.2000	0.2229	
1	3.409	3.407	0.002	152859	0.2000	0.1923	
		Average of Peak Amounts =				0.2036	
2	2.378	2.377	0.001	743275	0.2000	0.1836	M
2	2.480	2.481	-0.001	355758	0.2000	0.1918	M
2	2.567	2.567	0.000	217190	0.2000	0.2067	M
2	2.834	2.834	0.000	412909	0.2000	0.1921	M
2	2.931	2.932	-0.001	319881	0.2000	0.2194	M
		Average of Peak Amounts =				0.1987	
						RPD = 2.45	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.318	4.318	0.000	278527	0.2000	0.1966	
1	4.501	4.501	0.000	301196	0.2000	0.1897	
1	4.728	4.728	0.000	398950	0.2000	0.2074	
1	5.048	5.048	0.000	180251	0.2000	0.2141	
1	5.253	5.253	0.001	415319	0.2000	0.2081	
		Average of Peak Amounts =				0.2032	
2	3.754	3.754	0.000	493394	0.2000	0.1972	M
2	4.168	4.168	0.000	496524	0.2000	0.1861	M
2	4.470	4.469	0.001	368901	0.2000	0.1955	M
2	4.616	4.615	0.001	699084	0.2000	0.1866	M
2	4.935	4.934	0.001	495701	0.2000	0.1945	M
		Average of Peak Amounts =				0.1920	
						RPD = 5.69	
$ 15 DCB Decachlorobiphenyl							
1	6.820	6.822	-0.002	131909	0.005000	0.005231	
2	5.865	5.865	0.000	194454	0.005000	0.005342	
						RPD = 2.10	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is0.2_00008 Amount Added: 1.00 Units: mL

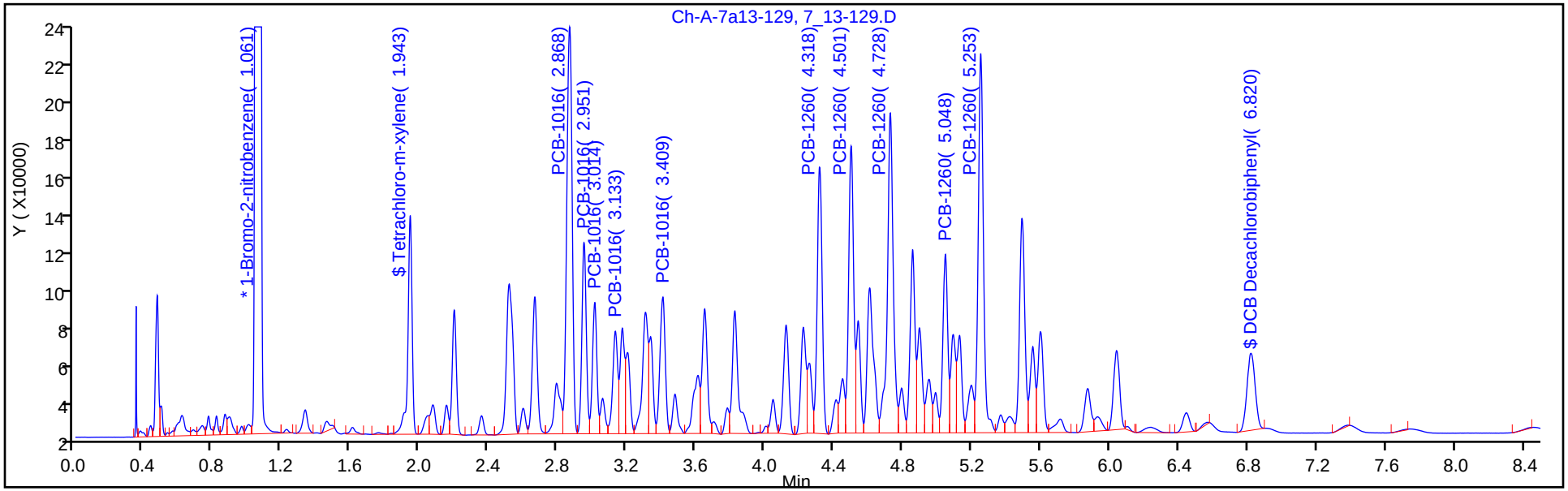
Report Date: 08-May-2018 12:38:45 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

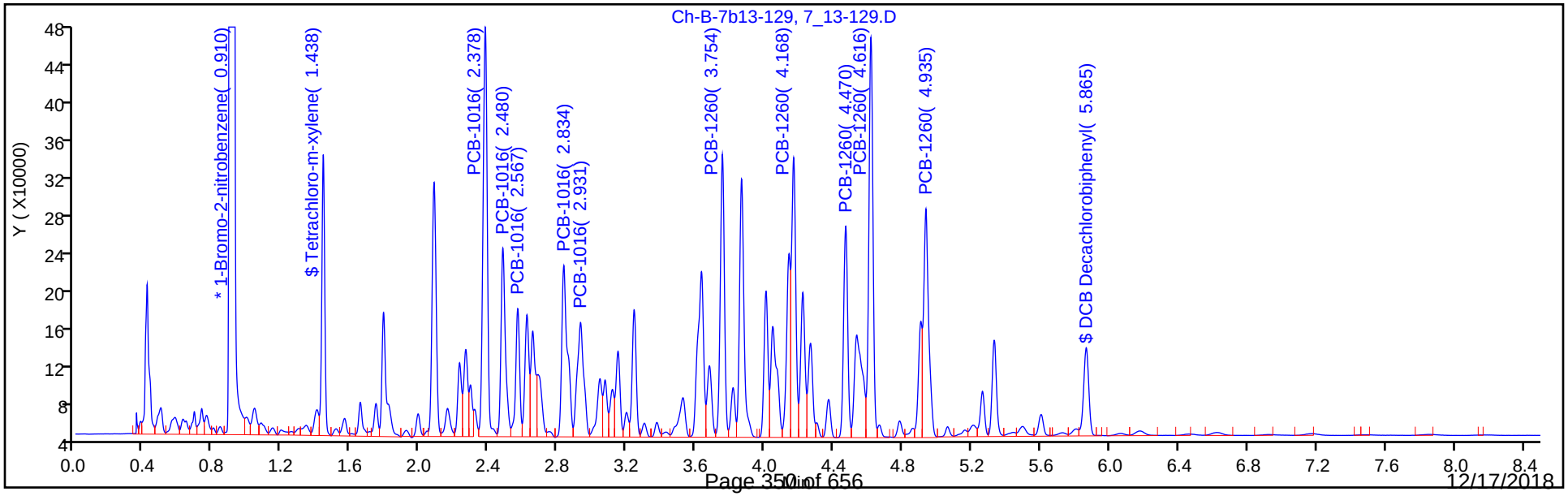
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-129.D

Injection Date:	07-May-2018 15:14:35	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 4			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-130.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 07-May-2018 15:30:25 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-May-2018 12:38:47 Calib Date: 07-May-2018 21:20:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-152.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: salversonj Date: 08-May-2018 07:01:12

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	1.062	1.062	0.000	10925722	0.5000	0.5000	
2	0.911	0.911	0.000	23108470	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.943	1.943	0.000	95402	0.002500	0.002513	M
2	1.439	1.438	0.001	182915	0.002500	0.002474	
						RPD = 1.57	
9 PCB-1016							M
1	2.868	2.868	0.000	236540	0.1000	0.1018	M
1	2.953	2.952	0.000	96762	0.1000	0.1041	M
1	3.013	3.013	-0.001	64525	0.1000	0.1048	M
1	3.133	3.133	0.001	66582	0.1000	0.1227	M
1	3.408	3.407	0.001	83941	0.1000	0.1059	M
		Average of Peak Amounts =				0.1079	
2	2.378	2.377	0.001	382606	0.1000	0.0950	
2	2.480	2.481	-0.001	191197	0.1000	0.1036	
2	2.567	2.567	0.000	121121	0.1000	0.1042	
2	2.834	2.834	0.000	221245	0.1000	0.1034	
2	2.931	2.932	-0.001	172825	0.1000	0.1105	
		Average of Peak Amounts =				0.1033	
						RPD = 4.29	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.318	4.318	0.000	147372	0.1000	0.1044	M
1	4.502	4.501	0.001	163364	0.1000	0.1032	M
1	4.728	4.728	0.000	224126	0.1000	0.1073	M
1	5.048	5.048	0.000	100513	0.1000	0.1120	M
1	5.254	5.253	0.002	228224	0.1000	0.1067	M
		Average of Peak Amounts =				0.1067	
2	3.755	3.754	0.001	259341	0.1000	0.1041	
2	4.168	4.168	0.000	261670	0.1000	0.0985	
2	4.469	4.469	0.000	196922	0.1000	0.1049	
2	4.616	4.615	0.001	372120	0.1000	0.0998	
2	4.935	4.934	0.001	262059	0.1000	0.1033	
		Average of Peak Amounts =				0.1021	
						RPD = 4.42	
$ 15 DCB Decachlorobiphenyl							
1	6.820	6.822	-0.002	70817	0.002500	0.002817	
2	5.865	5.865	0.000	107235	0.002500	0.002960	
						RPD = 4.93	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is0.1_00009 Amount Added: 1.00 Units: mL

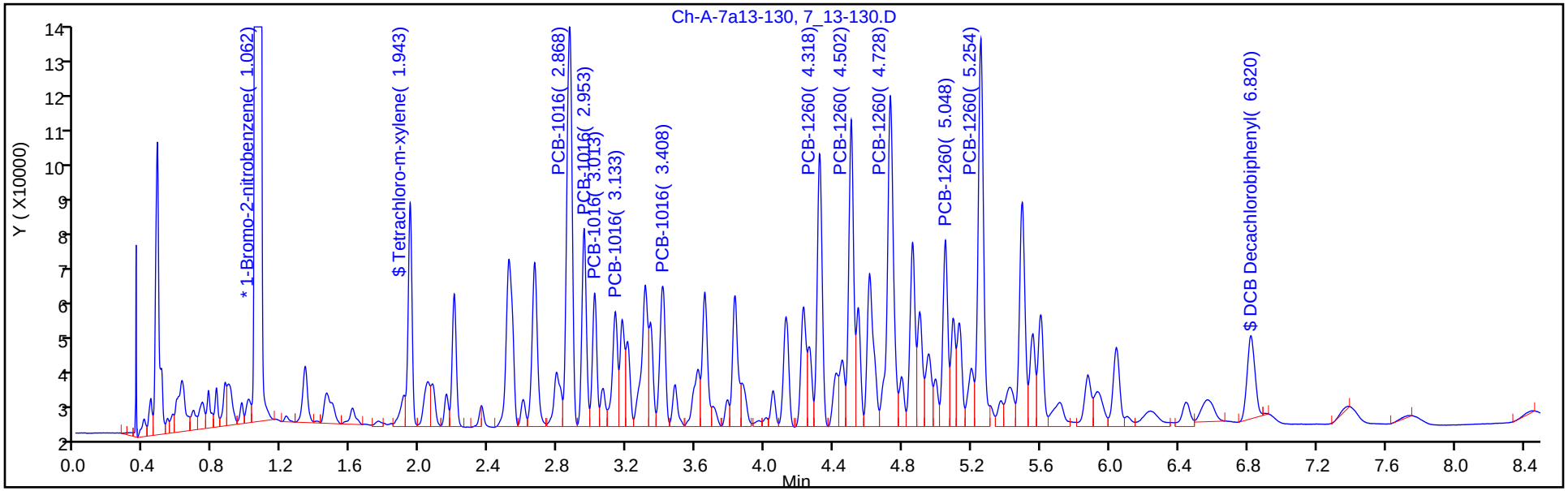
Report Date: 08-May-2018 12:38:48 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

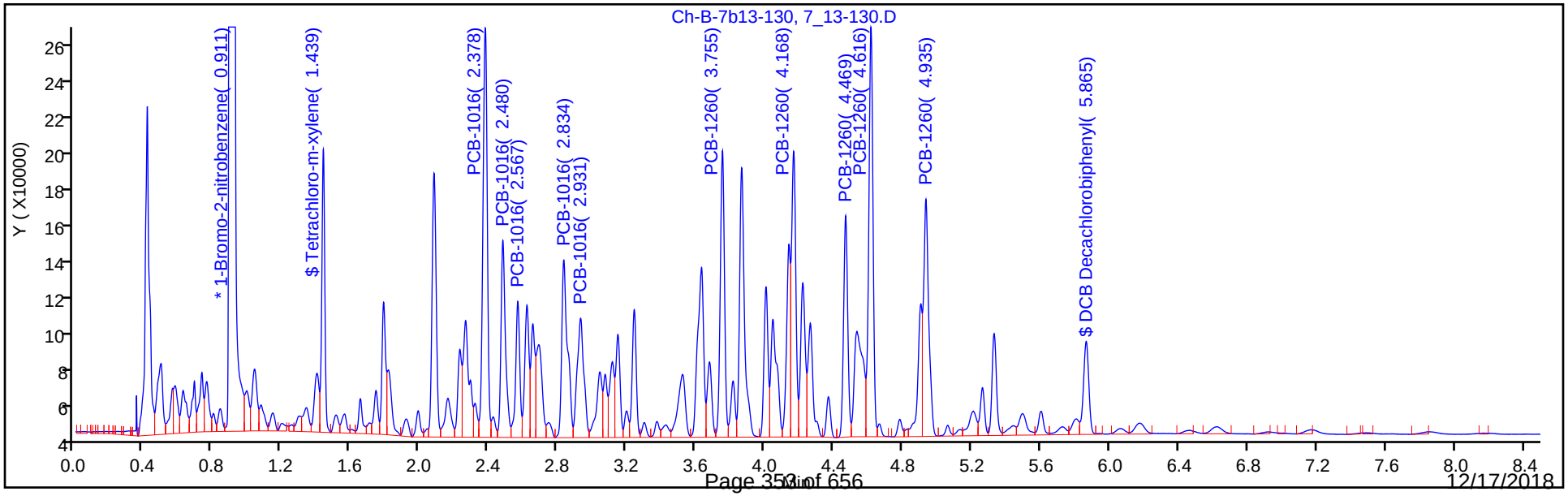
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-130.D

Injection Date:	07-May-2018 15:30:25	Instrument ID:	HP6890-7	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:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

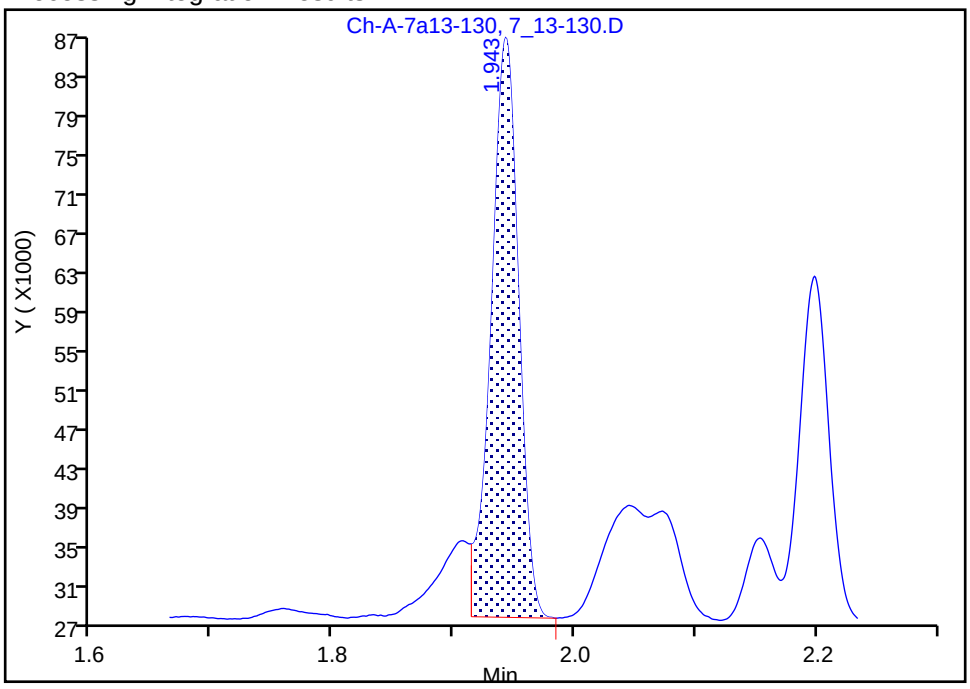
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-130.D
Injection Date: 07-May-2018 15:30:25 Instrument ID: HP6890-7
Lims ID: IC 3
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 1

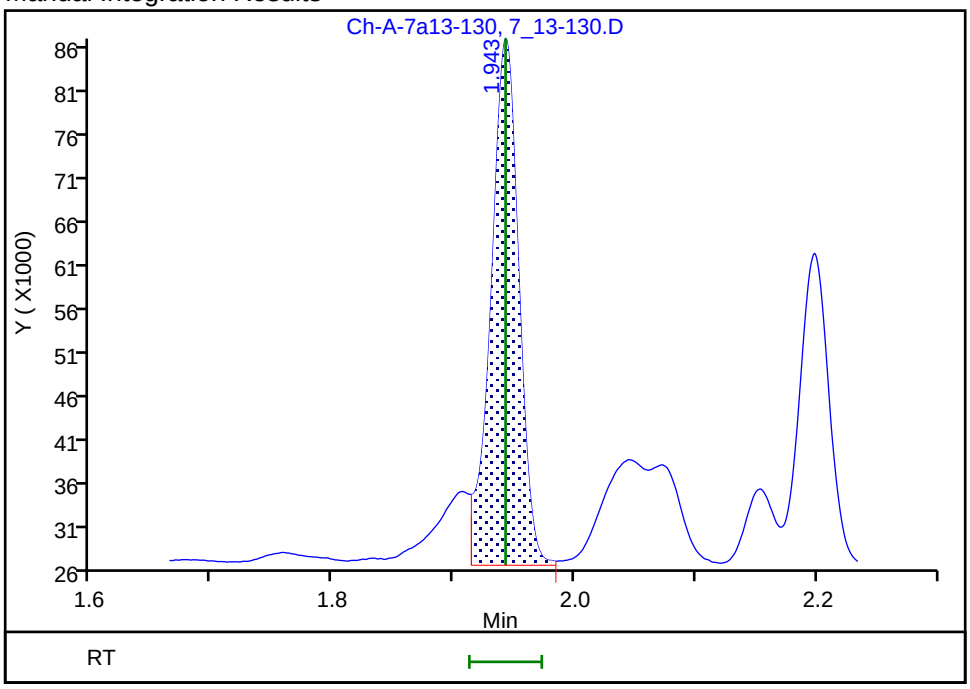
Processing Integration Results

RT: 1.94
Area: 93170
Amount: 0.002474
Amount Units: ng/uL



Manual Integration Results

RT: 1.94
Area: 95402
Amount: 0.002513
Amount Units: ng/uL



Reviewer: salversonj, 08-May-2018 07:01:08
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 08-May-2018 12:38:48 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-130.D

Injection Date: 07-May-2018 15:30:25 Instrument ID: HP6890-7

Lims ID: IC 3

Client ID:

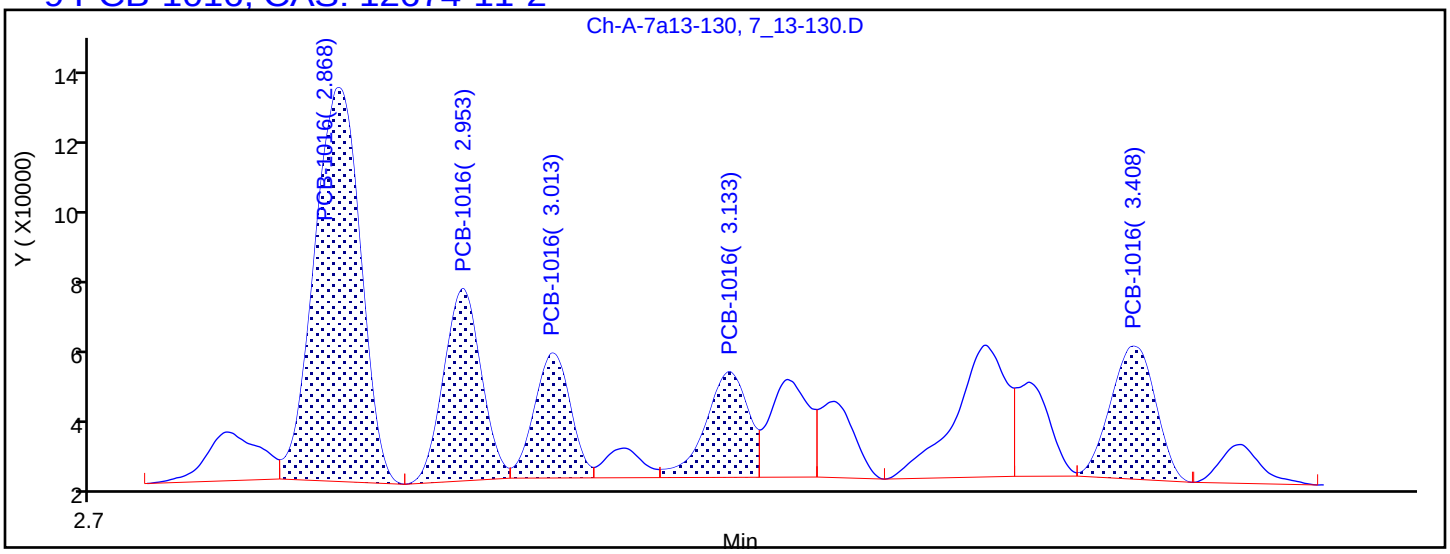
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 8

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

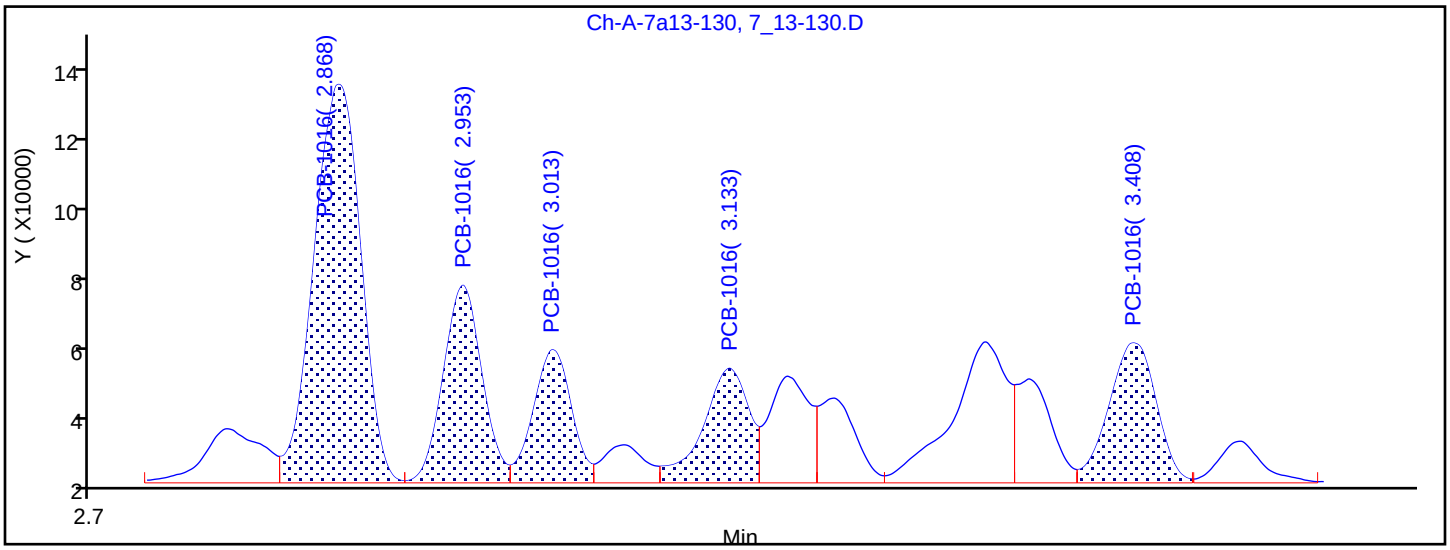
Column: Detector Ch-A-7A136

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.868	Response = 230392
2.953	Response = 91095
3.013	Response = 57090
3.133	Response = 57105
3.408	Response = 75209



Manual Integration Results

2.868	Response = 236540	M
2.953	Response = 96762	M
3.013	Response = 64525	M
3.133	Response = 66582	M
3.408	Response = 83941	M

Reviewer: salversonj, 08-May-2018 07:01:08

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 08-May-2018 12:38:48 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-130.D

Injection Date: 07-May-2018 15:30:25 Instrument ID: HP6890-7

Lims ID: IC 3

Client ID:

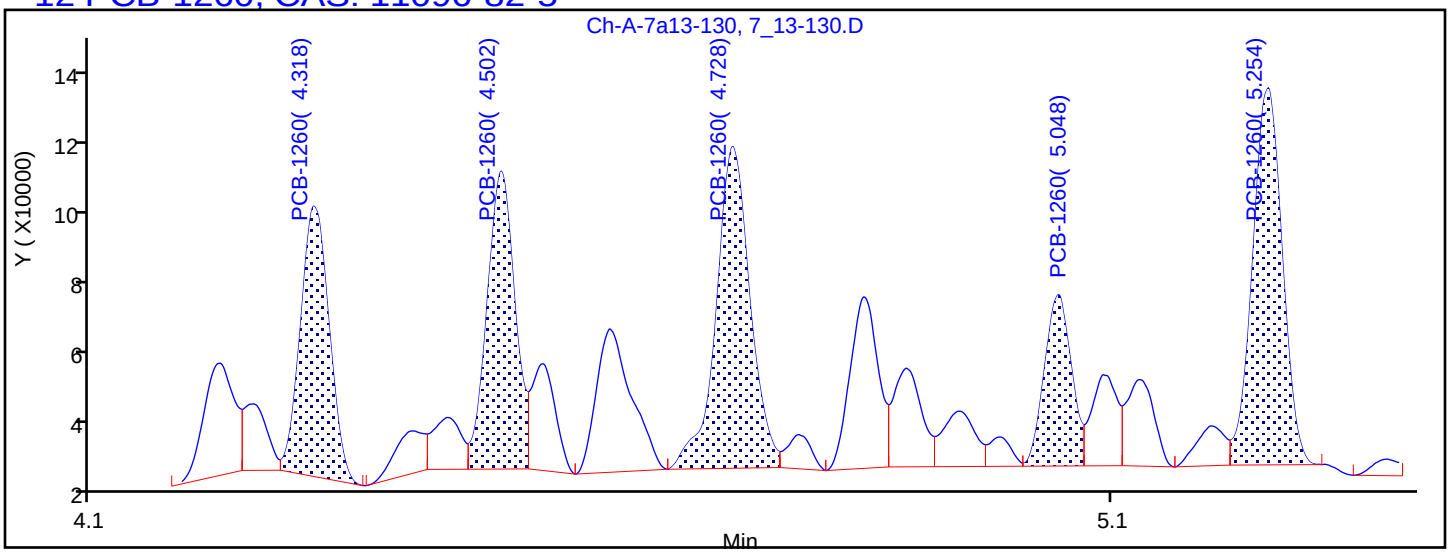
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 8

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

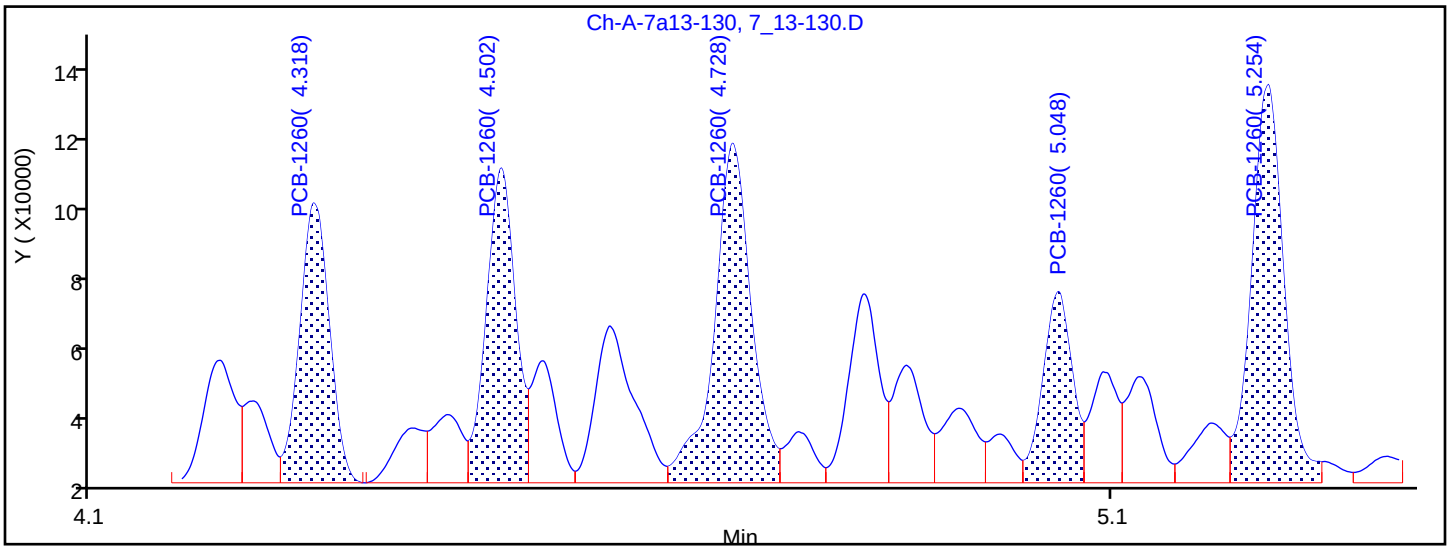
Column: Detector Ch-A-7A136

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

4.318	Response = 137682
4.502	Response = 148030
4.728	Response = 194489
5.048	Response = 82148
5.254	Response = 198983



Manual Integration Results

4.318	Response = 147372	M
4.502	Response = 163364	M
4.728	Response = 224126	M
5.048	Response = 100513	M
5.254	Response = 228224	M

Reviewer: salversonj, 08-May-2018 07:01:08

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-131.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 07-May-2018 15:46:26 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-May-2018 12:38:51 Calib Date: 07-May-2018 21:20:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-152.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

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	1.062	1.062	0.000	11144095	0.5000	0.5000	
2	0.910	0.911	-0.001	24164930	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.943	1.943	0.001	59984	0.001250	0.001549	
2	1.438	1.438	0.000	130939	0.001250	0.001693	
						RPD = 8.90	
9 PCB-1016							
1	2.868	2.868	0.000	133662	0.0500	0.0564	
1	2.953	2.952	0.001	54040	0.0500	0.0471	
1	3.015	3.013	0.002	35670	0.0500	0.0568	
1	3.135	3.133	0.003	33758	0.0500	0.0393	
1	3.410	3.407	0.003	45226	0.0500	0.0560	
		Average of Peak Amounts =				0.0511	
2	2.377	2.377	0.000	281731	0.0500	0.0669	
2	2.481	2.481	0.000	116934	0.0500	0.0606	
2	2.568	2.567	0.001	78206	0.0500	0.0542	
2	2.834	2.834	0.000	133721	0.0500	0.0598	
2	2.932	2.932	0.000	104011	0.0500	0.0556	
		Average of Peak Amounts =				0.0594	
						RPD = 15.02	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							
1	4.319	4.318	0.001	80572	0.0500	0.0559	
1	4.503	4.501	0.001	88830	0.0500	0.0550	
1	4.730	4.728	0.002	126549	0.0500	0.0496	
1	5.049	5.048	0.001	53687	0.0500	0.0503	
1	5.254	5.253	0.002	127813	0.0500	0.0505	
		Average of Peak Amounts =				0.0523	
2	3.754	3.754	0.000	149751	0.0500	0.0575	
2	4.168	4.168	0.000	162146	0.0500	0.0584	
2	4.470	4.469	0.001	111078	0.0500	0.0566	
2	4.616	4.615	0.001	215659	0.0500	0.0553	
2	4.934	4.934	0.000	147672	0.0500	0.0557	
		Average of Peak Amounts =				0.0567	
						RPD = 8.09	
$ 15 DCB Decachlorobiphenyl							
1	6.820	6.822	-0.002	39862	0.001250	0.001555	
2	5.865	5.865	0.000	55589	0.001250	0.001467	
						RPD = 5.80	

Reagents:

1660sur/is.05_00008 Amount Added: 1.00 Units: mL

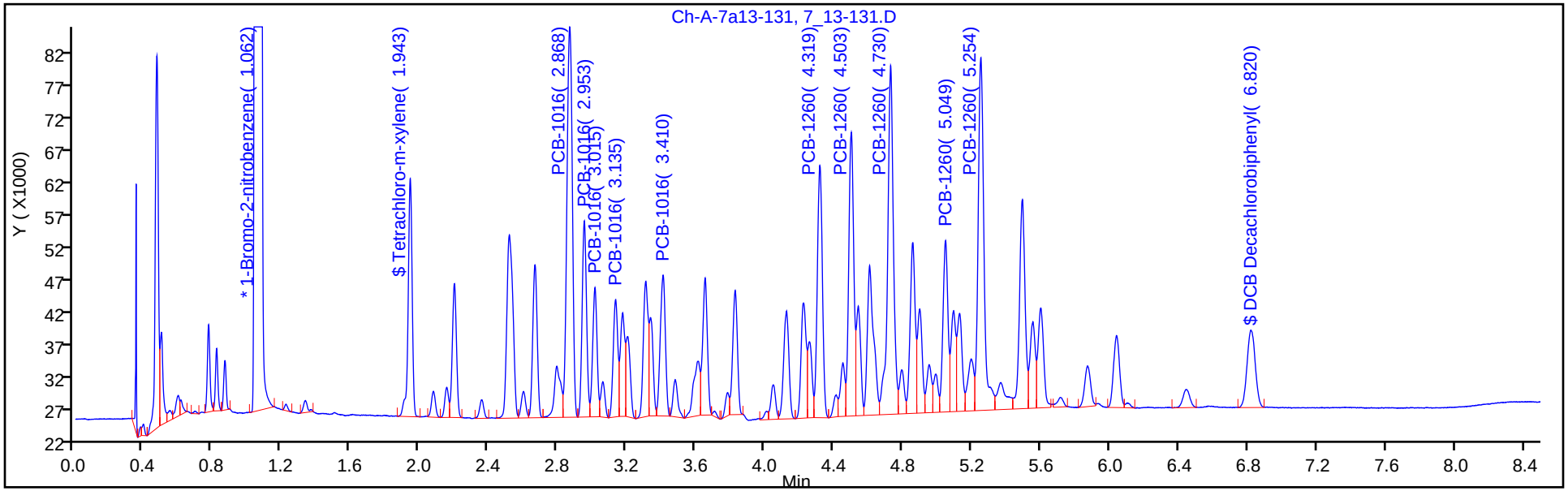
Report Date: 08-May-2018 12:38:52 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

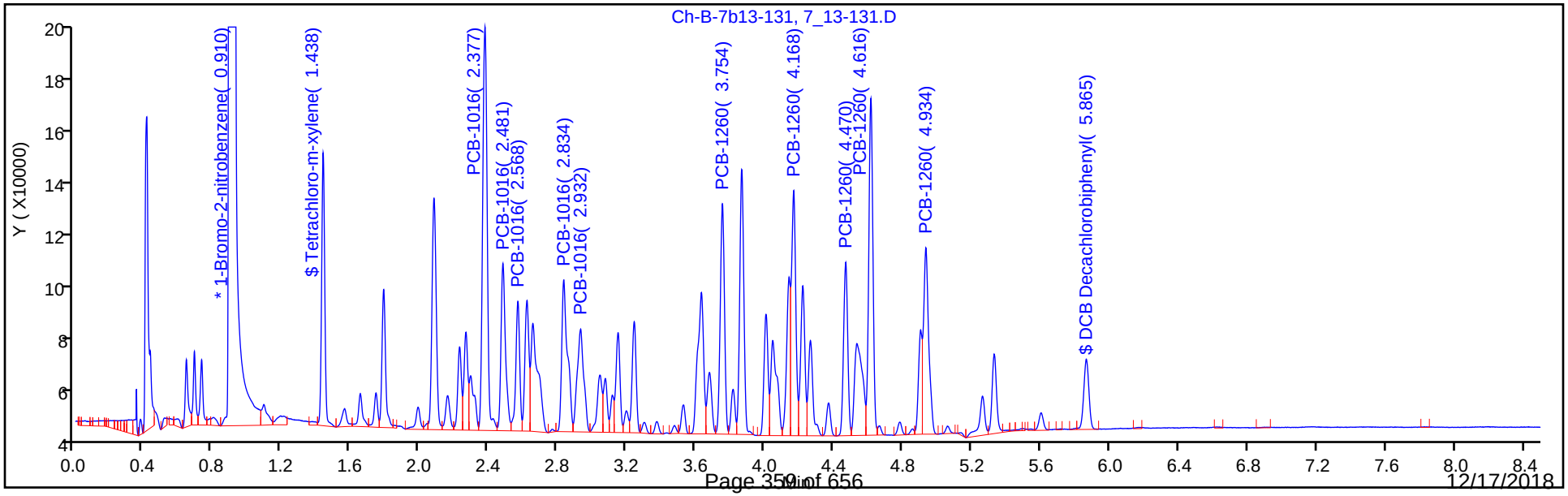
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-131.D

Injection Date:	07-May-2018 15:46:26	Instrument ID:	HP6890-7	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:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-132.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 07-May-2018 16:02:16 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-May-2018 12:38:54 Calib Date: 07-May-2018 21:20:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-152.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: salversonj Date: 08-May-2018 07:00:50

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	1.063	1.063	0.000	10823908	0.5000	0.5000	
2	0.913	0.913	0.000	22989895	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.944	1.944	0.000	21897	0.000500	0.000582	
2	1.440	1.440	0.000	46644	0.000500	0.000634	
						RPD = 8.53	
9 PCB-1016							M
1	2.866	2.866	0.000	52040	0.0200	0.0226	
1	2.955	2.955	0.000	31463	0.0200	0.0194	
1	3.013	3.013	0.000	13798	0.0200	0.0226	
1	3.132	3.132	0.000	23385	0.0200	0.0157	M
1	3.410	3.410	0.000	19545	0.0200	0.0249	
		Average of Peak Amounts =				0.0211	
2	2.380	2.380	0.000	91679	0.0200	0.0229	
2	2.482	2.482	0.000	48180	0.0200	0.0262	
2	2.569	2.569	0.000	38736	0.0200	0.0156	
2	2.835	2.835	0.000	56324	0.0200	0.0265	
2	2.933	2.933	0.000	43472	0.0200	0.0139	
		Average of Peak Amounts =				0.0210	
						RPD = 0.23	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.319	4.319	0.000	34229	0.0200	0.0245	M
1	4.503	4.503	0.000	42242	0.0200	0.0269	M
1	4.730	4.730	0.000	68532	0.0200	0.0180	M
1	5.049	5.049	0.000	27125	0.0200	0.0177	M
1	5.252	5.252	0.000	66288	0.0200	0.0186	M
		Average of Peak Amounts =				0.0211	
2	3.754	3.754	0.000	60851	0.0200	0.0246	
2	4.168	4.168	0.000	69333	0.0200	0.0262	
2	4.470	4.470	0.000	48167	0.0200	0.0258	
2	4.617	4.617	0.000	101216	0.0200	0.0273	
2	4.933	4.933	0.000	66206	0.0200	0.0262	
		Average of Peak Amounts =				0.0260	
						RPD = 20.70	
$ 15 DCB Decachlorobiphenyl							M
1	6.826	6.826	0.000	22854	0.000500	0.000918	M
2	5.866	5.866	0.000	25454	0.000500	0.000706	
						RPD = 26.06	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is.02_00010 Amount Added: 1.00 Units: mL

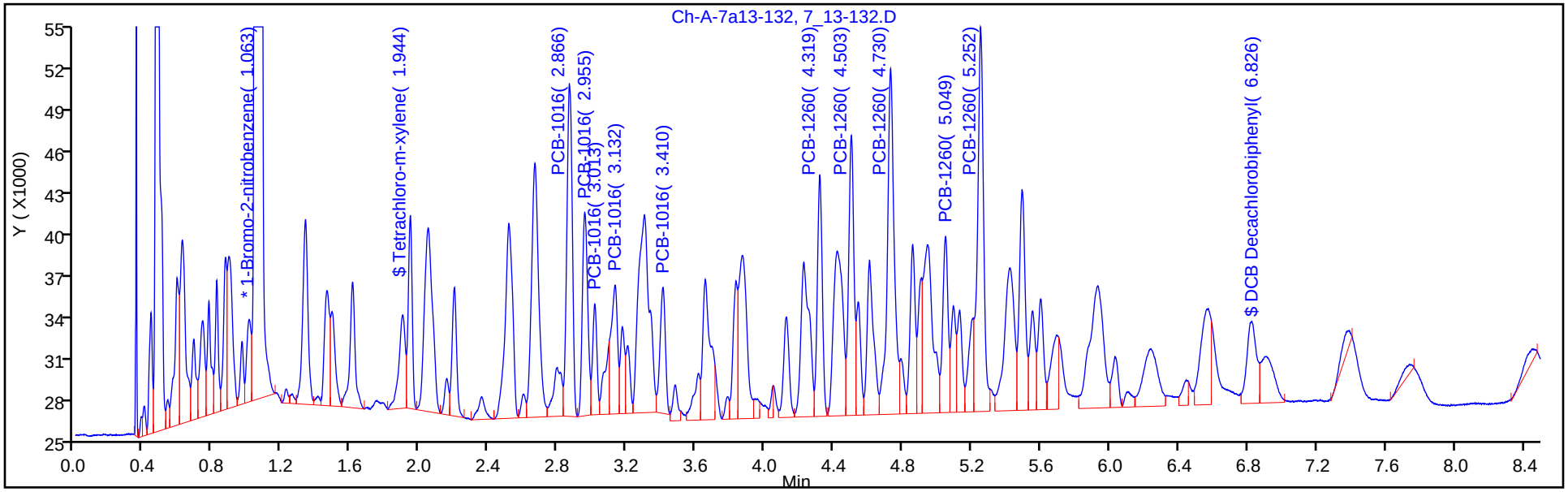
Report Date: 08-May-2018 12:38:55 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

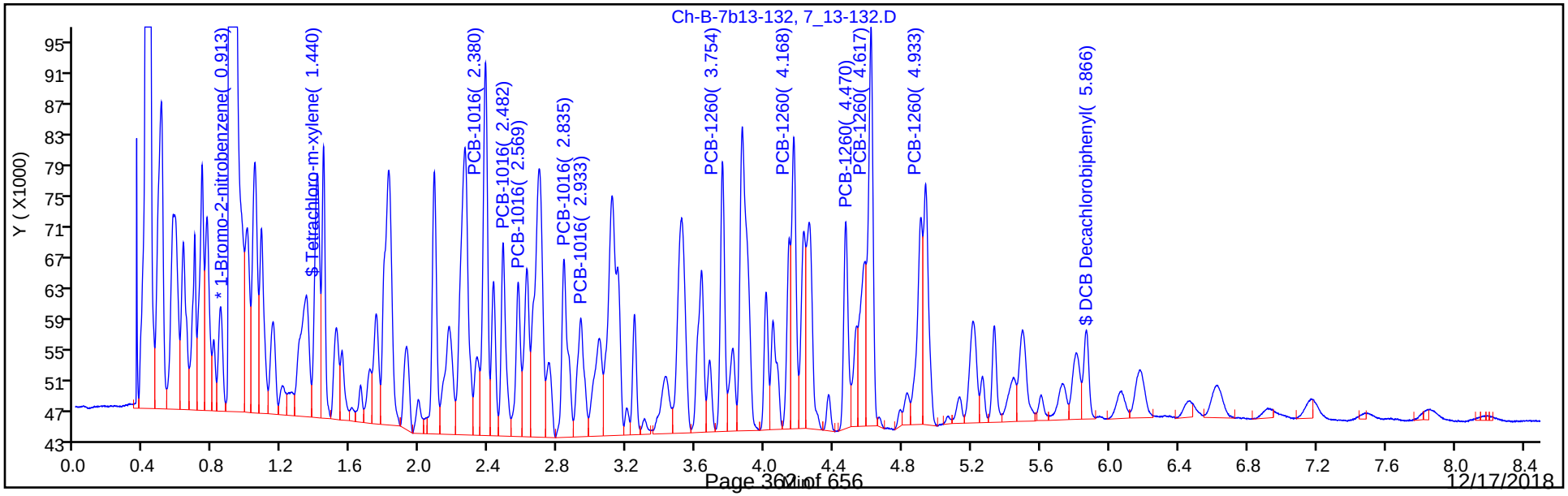
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-132.D

Injection Date:	07-May-2018 16:02:16	Instrument ID:	HP6890-7	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:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 08-May-2018 12:38:55 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-132.D

Injection Date: 07-May-2018 16:02:16 Instrument ID: HP6890-7

Lims ID: IC 1

Client ID:

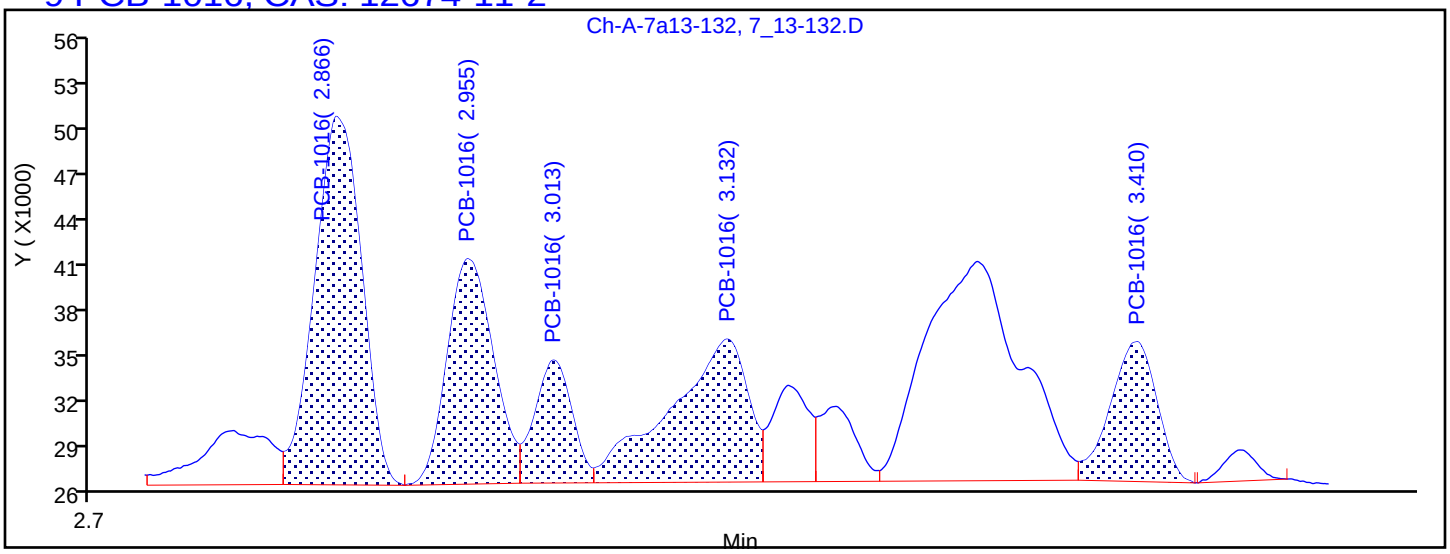
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 10

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

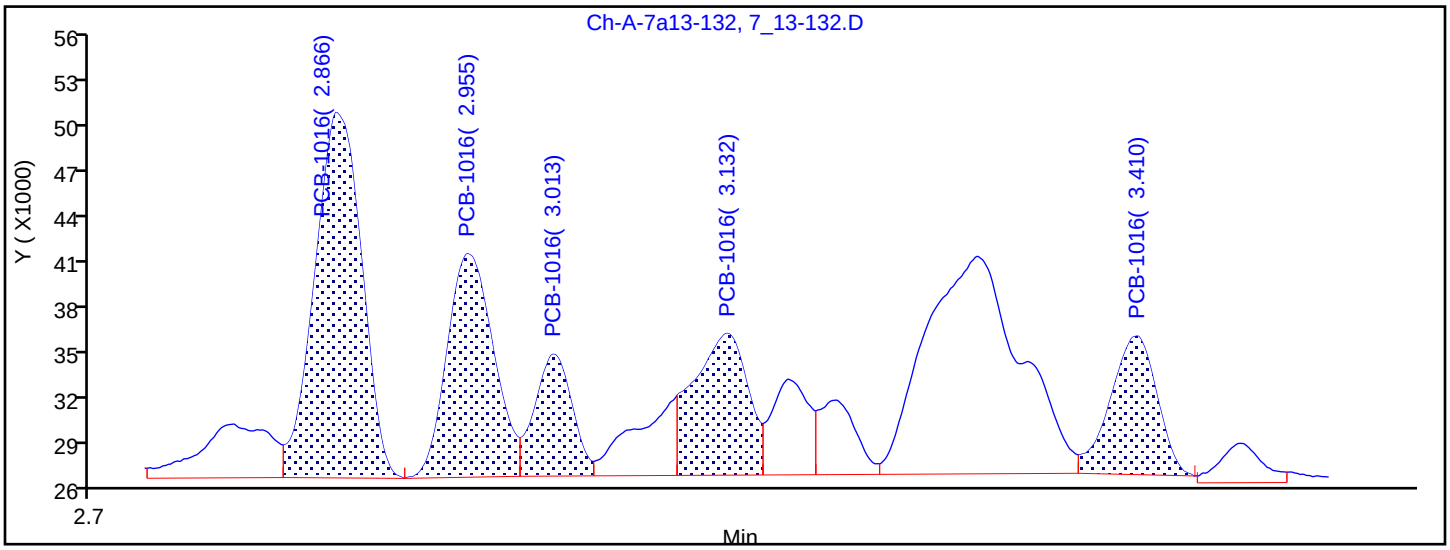
Column: Detector Ch-A-7A136

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.866	Response = 52040
2.955	Response = 31463
3.013	Response = 13798
3.132	Response = 33327
3.410	Response = 19545



Manual Integration Results

2.866	Response = 52040	
2.955	Response = 31463	
3.013	Response = 13798	
3.132	Response = 23385	M
3.410	Response = 19545	

Reviewer: salversonj, 08-May-2018 11:27:03

Audit Action: Split an Integrated Peak Audit Reason: split

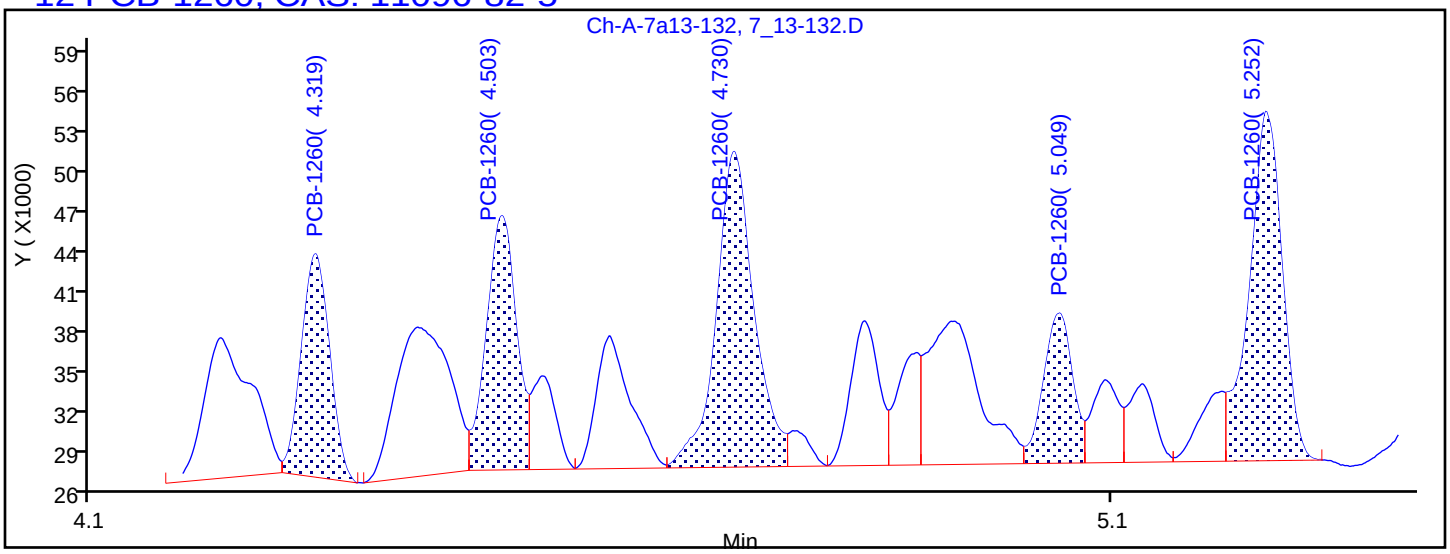
Report Date: 08-May-2018 12:38:55 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-132.D

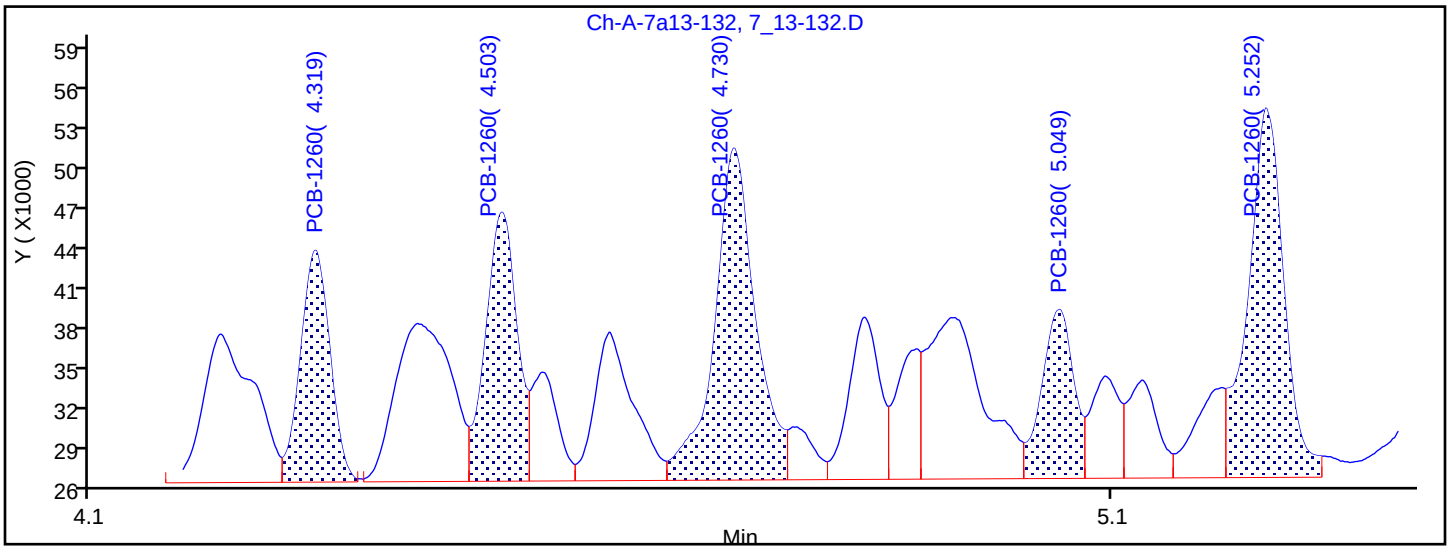
Injection Date:	07-May-2018 16:02:16	Instrument ID:	HP6890-7		
Lims ID:	IC 1				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

4.319	Response = 31556
4.503	Response = 38305
4.730	Response = 59806
5.049	Response = 22085
5.252	Response = 57720



Manual Integration Results

4.319	Response = 34229	M
4.503	Response = 42242	M
4.730	Response = 68532	M
5.049	Response = 27125	M
5.252	Response = 66288	M

Reviewer: salversonj, 08-May-2018 07:00:42

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

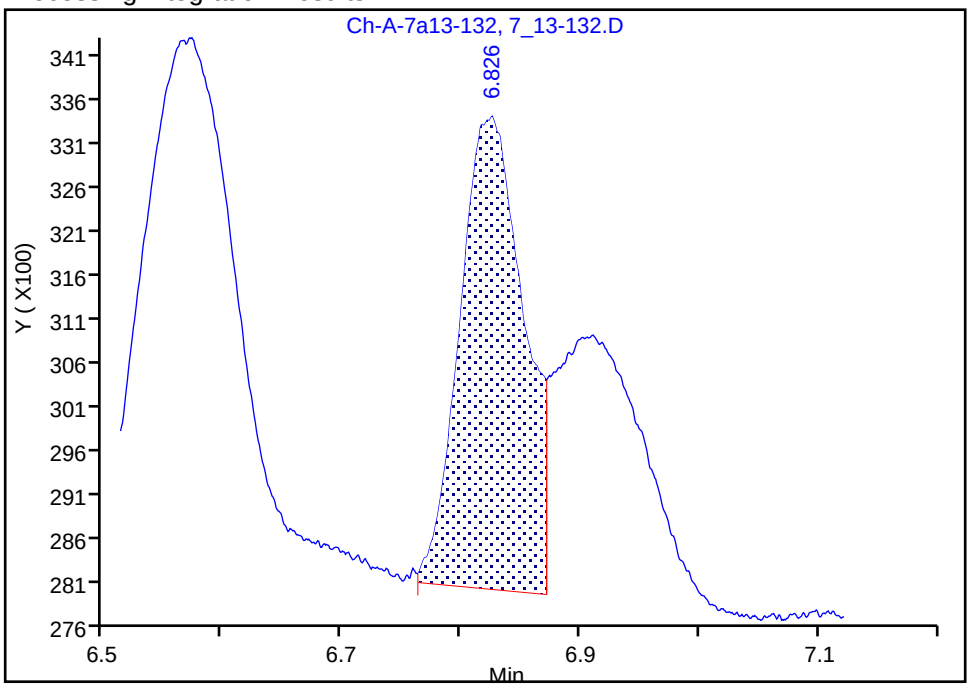
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-132.D
Injection Date: 07-May-2018 16:02:16 Instrument ID: HP6890-7
Lims ID: IC 1
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

$ 15 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 1

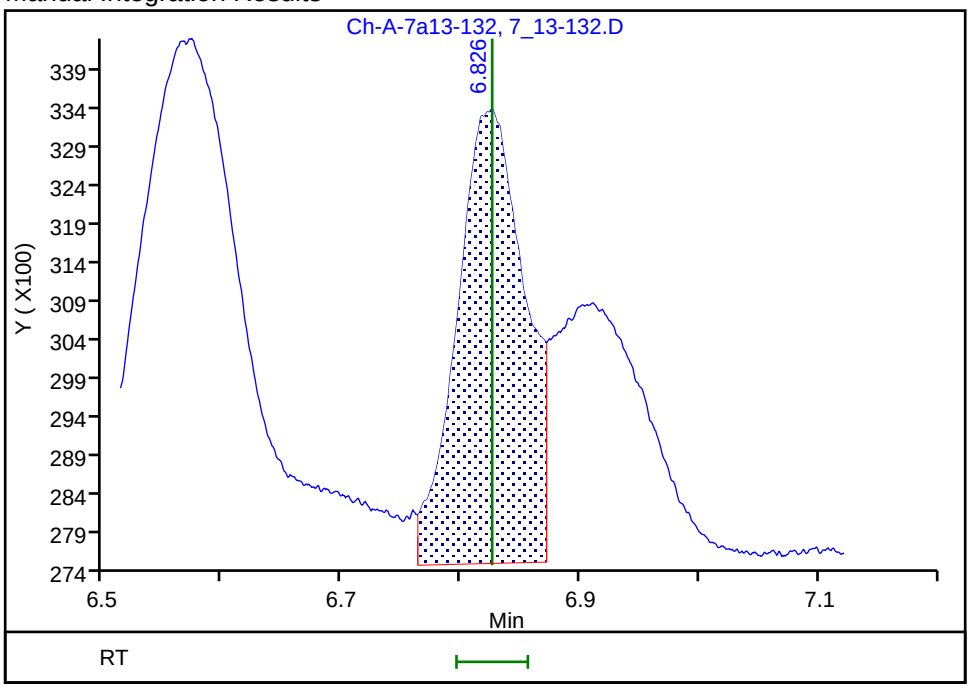
Processing Integration Results

RT: 6.83
Area: 19909
Amount: 0.000384
Amount Units: ng/uL



Manual Integration Results

RT: 6.83
Area: 22854
Amount: 0.000918
Amount Units: ng/uL



Reviewer: salversonj, 08-May-2018 07:00:42
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.: 480-145287-1 Analy Batch No.: 413004

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2018 14:26 Calibration End Date: 05/07/2018 16:02 Calibration ID: 33760

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-413004/10	7_13-132.D
Level 2	IC 480-413004/9	7_13-131.D
Level 3	IC 480-413004/8	7_13-130.D
Level 4	IC 480-413004/7	7_13-129.D
Level 5	ICIS 480-413004/6	7_13-128.D
Level 6	IC 480-413004/5	7_13-127.D
Level 7	IC 480-413004/4	7_13-126.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	0.0997 0.0724	0.1166 0.0720	0.0828	0.0800	0.0867	Ave		0.0872				18.4		20.0			
PCB-1016 Peak 2	0.0524 0.0329	0.0484 0.0319	0.0414	0.0383	0.0343	Ave		0.0399				19.8		20.0			
PCB-1016 Peak 3	0.0421 0.0201	0.0324 0.0199	0.0262	0.0234	0.0232	Lin1	0.0005	0.0201							0.9970		0.9900
PCB-1016 Peak 4	0.0612 0.0382	0.0553 0.0374	0.0479	0.0445	0.0395	Ave		0.0463				19.8		20.0			
PCB-1016 Peak 5	0.0473 0.0293	0.0430 0.0287	0.0374	0.0344	0.0304	Lin1	0.0005	0.0289							0.9980		0.9900
PCB-1260 Peak 1	0.0662 0.0469	0.0620 0.0465	0.0561	0.0531	0.0465	Ave		0.0539				14.8		20.0			
PCB-1260 Peak 2	0.0754 0.0494	0.0671 0.0495	0.0566	0.0535	0.0508	Ave		0.0575				17.5		20.0			
PCB-1260 Peak 3	0.0524 0.0349	0.0460 0.0348	0.0426	0.0397	0.0341	Ave		0.0406				16.8		20.0			
PCB-1260 Peak 4	0.1101 0.0689	0.0892 0.0702	0.0805	0.0753	0.0705	Ave		0.0807				18.4		20.0			
PCB-1260 Peak 5	0.0720 0.0470	0.0611 0.0474	0.0567	0.0534	0.0467	Ave		0.0549				17.0		20.0			
Tetrachloro-m-xylene	+++++ 1.3595	2.1674 1.3500	1.5831	1.5154	1.6238	Ave		1.5999				18.8		20.0			
DCB Decachlorobiphenyl	+++++ 0.6874	0.9202 0.6705	0.9281	0.8375	0.6601	Ave		0.7840				16.1		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.: 480-145287-1 Analy Batch No.: 413004

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2018 14:26 Calibration End Date: 05/07/2018 16:02 Calibration ID: 33760

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-413004/10	7_13-132.D
Level 2	IC 480-413004/9	7_13-131.D
Level 3	IC 480-413004/8	7_13-130.D
Level 4	IC 480-413004/7	7_13-129.D
Level 5	ICIS 480-413004/6	7_13-128.D
Level 6	IC 480-413004/5	7_13-127.D
Level 7	IC 480-413004/4	7_13-126.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	91679 3510386	281731 6669053	382606	743275	2260490	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 2	BNB	Ave	48180 1596243	116934 2950807	191197	355758	894341	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 3	BNB	Lin1	38736 976816	78206 1844707	121121	217190	604915	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 4	BNB	Ave	56324 1853331	133721 3463273	221245	412909	1028656	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 5	BNB	Lin1	43472 1422254	104011 2660524	172825	319881	791197	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 1	BNB	Ave	60851 2272580	149751 4303623	259341	493394	1210811	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 2	BNB	Ave	69333 2395356	162146 4581366	261670	496524	1324130	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 3	BNB	Ave	48167 1691423	111078 3218917	196922	368901	888996	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 4	BNB	Ave	101216 3342013	215659 6495523	372120	699084	1836973	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 5	BNB	Ave	66206 2279368	147672 4388220	262059	495701	1215762	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
Tetrachloro-m-xylene	BNB	Ave	+++++ 1647923	130939 3124346	182915	351836	1057969	+++++ 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125
DCB Decachlorobiphenyl	BNB	Ave	+++++ 833271	55589 1551774	107235	194454	430067	+++++ 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\HP6890-07\20180507-71316.b\7_13-126.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 07-May-2018 14:26:43 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-May-2018 12:38:34 Calib Date: 07-May-2018 21:20:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-152.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: salversonj Date: 08-May-2018 06:59:01

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	1.062	1.062	0.000	11046430	0.5000	0.5000	
2	0.910	0.911	-0.001	23143426	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.944	1.943	0.002	1654877	0.0500	0.0431	
2	1.439	1.438	0.001	3124346	0.0500	0.0422	
						RPD = 2.17	
9 PCB-1016							
1	2.870	2.868	0.002	4218893	2.00	1.80	
1	2.953	2.952	0.001	1551137	2.00	1.98	
1	3.015	3.014	0.001	1103414	2.00	1.77	
1	3.135	3.133	0.002	793904	2.00	1.91	
1	3.410	3.408	0.002	1368984	2.00	1.71	
		Average of Peak Amounts =				1.83	
2	2.378	2.378	0.000	6669053	2.00	1.65	
2	2.481	2.480	0.001	2950807	2.00	1.60	
2	2.568	2.567	0.001	1844707	2.00	1.96	
2	2.834	2.833	0.001	3463273	2.00	1.62	
2	2.932	2.931	0.001	2660524	2.00	1.97	
		Average of Peak Amounts =				1.76	
						RPD = 4.13	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							
1	4.320	4.320	0.000	2522961	2.00	1.77	
1	4.503	4.502	0.000	2749484	2.00	1.72	
1	4.729	4.730	-0.001	3531943	2.00	1.99	
1	5.048	5.048	0.000	1606093	2.00	2.03	
1	5.255	5.253	0.002	3774789	2.00	2.02	
		Average of Peak Amounts =				1.91	
2	3.755	3.754	0.001	4303623	2.00	1.73	
2	4.168	4.168	0.000	4581366	2.00	1.72	
2	4.469	0.000	4.469	3218917	2.00	1.71	
2	4.617	0.000	4.617	6495523	2.00	1.74	
2	4.935	4.936	-0.001	4388220	2.00	1.73	
		Average of Peak Amounts =				1.73	
						RPD = 9.97	
$ 15 DCB Decachlorobiphenyl							
1	6.822	6.823	-0.001	1066331	0.0500	0.0420	
2	5.867	5.865	0.002	1551774	0.0500	0.0428	
						RPD = 1.90	

Reagents:

1660sur/is2.0_00008 Amount Added: 1.00 Units: mL

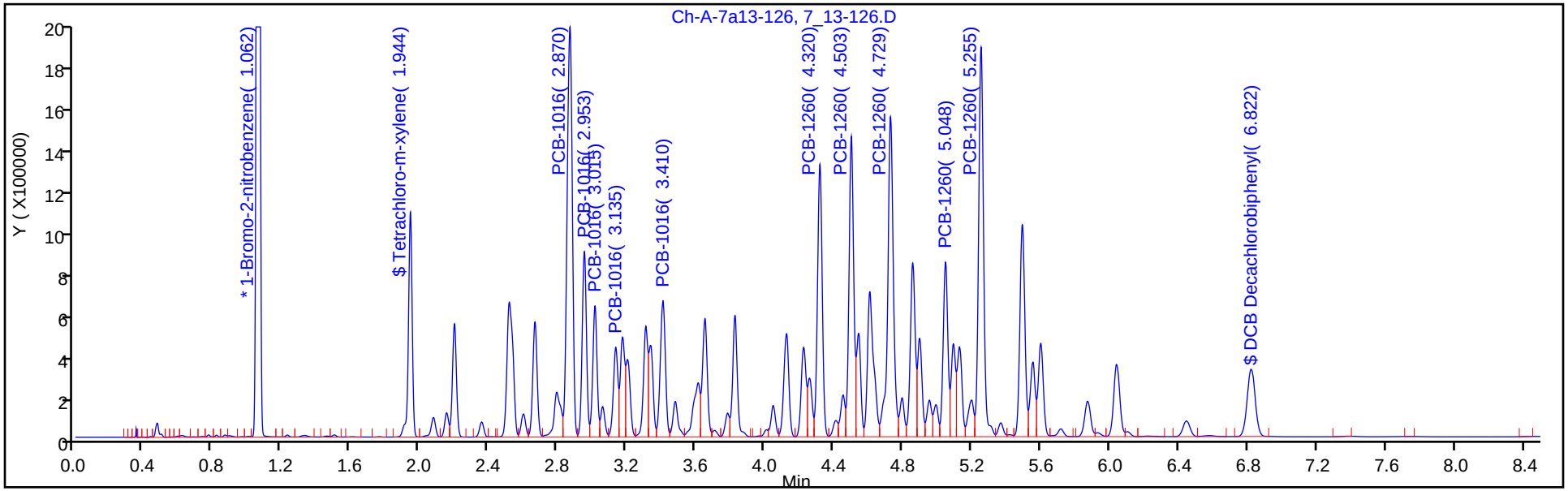
Report Date: 08-May-2018 12:38:35 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

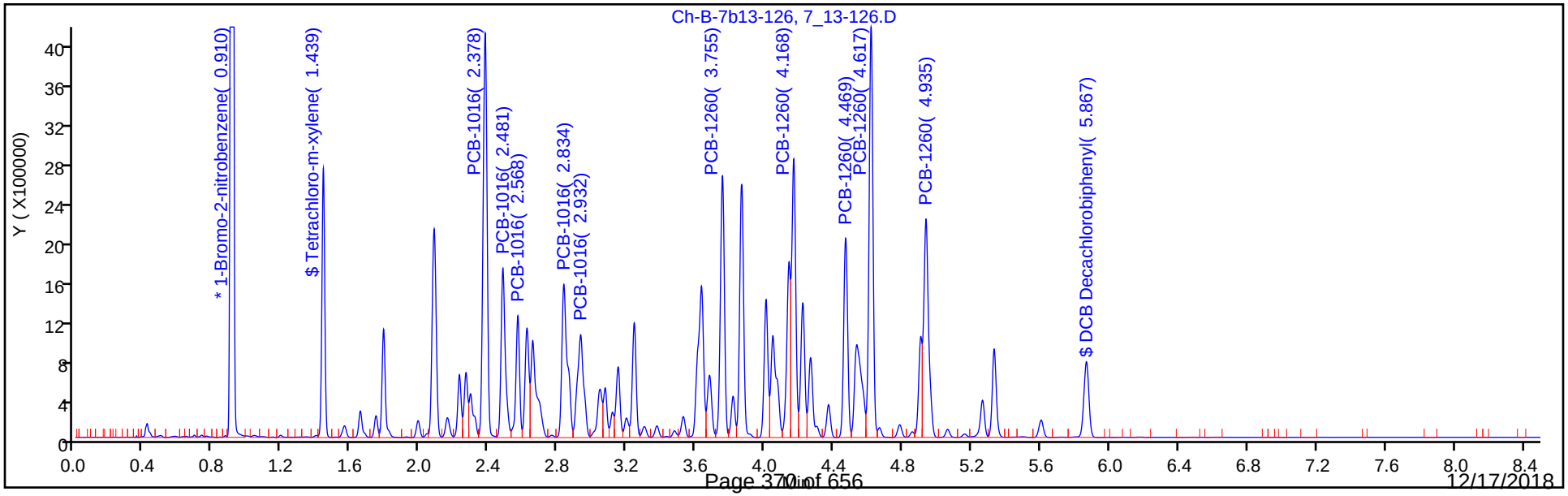
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-126.D

Injection Date:	07-May-2018 14:26:43	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 7			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-127.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 07-May-2018 14:42:47 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-May-2018 12:38:37 Calib Date: 07-May-2018 21:20:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-152.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

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	1.062	1.062	0.000	11406332	0.5000	0.5000	
2	0.910	0.911	-0.001	24242554	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.943	1.943	0.001	866563	0.0250	0.0219	
2	1.438	1.438	0.000	1647923	0.0250	0.0212	
						RPD = 2.88	
9 PCB-1016							
1	2.868	2.868	0.000	2231730	1.00	0.9196	
1	2.953	2.952	0.000	828283	1.00	1.01	
1	3.014	3.014	0.000	578603	1.00	0.9003	
1	3.134	3.133	0.001	430344	1.00	0.9830	
1	3.409	3.408	0.001	715417	1.00	0.8649	
		Average of Peak Amounts =				0.9358	
2	2.378	2.378	0.000	3510386	1.00	0.8305	
2	2.481	2.480	0.001	1596243	1.00	0.8243	
2	2.567	2.567	0.000	976816	1.00	0.9776	
2	2.833	2.833	0.000	1853331	1.00	0.8258	
2	2.930	2.931	-0.001	1422254	1.00	1.00	
		Average of Peak Amounts =				0.8908	
						RPD = 4.94	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							
1	4.318	4.320	-0.002	1319545	1.00	0.8950	
1	4.502	4.502	0.000	1419127	1.00	0.8591	
1	4.730	4.730	0.000	1824575	1.00	0.9862	
1	5.048	5.048	0.000	811967	1.00	0.9856	
1	5.254	5.253	0.001	1927547	1.00	0.99	
		Average of Peak Amounts =				0.9433	
2	3.754	3.754	0.000	2272580	1.00	0.8698	
2	4.168	4.168	0.000	2395356	1.00	0.8597	
2	4.468	0.000	4.468	1691423	1.00	0.8585	
2	4.617	0.000	4.617	3342013	1.00	0.8545	
2	4.934	4.936	-0.002	2279368	1.00	0.8564	
		Average of Peak Amounts =				0.8598	
						RPD = 9.26	
$ 15 DCB Decachlorobiphenyl							
1	6.820	6.823	-0.003	574135	0.0250	0.0219	
2	5.866	5.865	0.001	833271	0.0250	0.0219	
						RPD = 0.20	

Reagents:

1660sur/is1.0_00009 Amount Added: 1.00 Units: mL

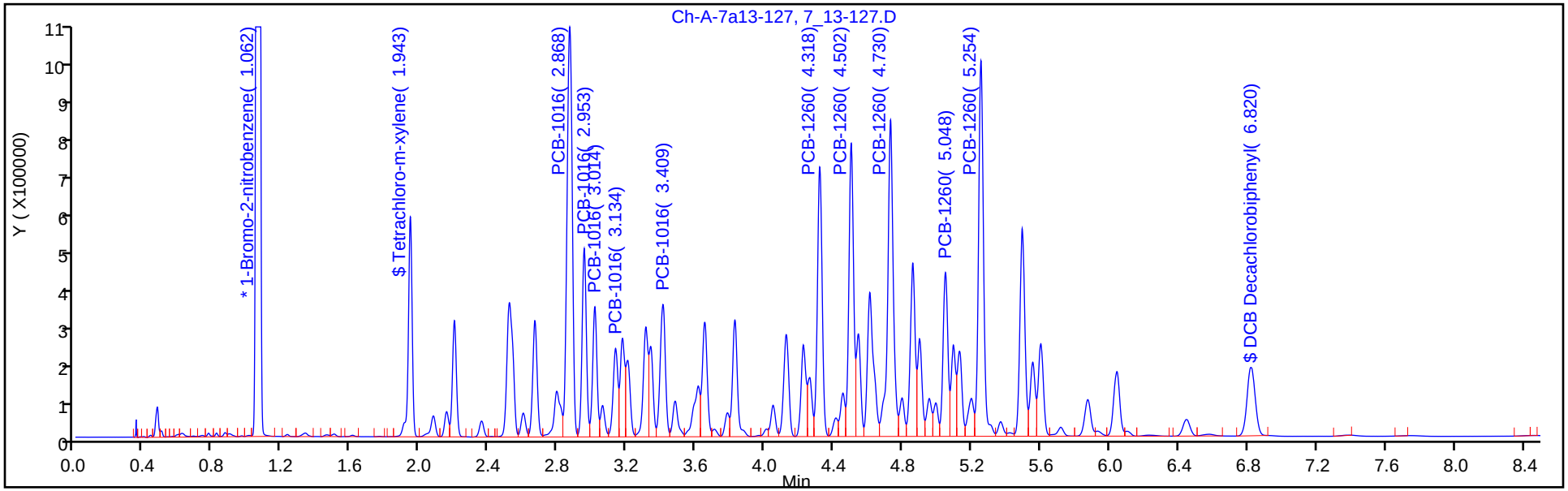
Report Date: 08-May-2018 12:38:38 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

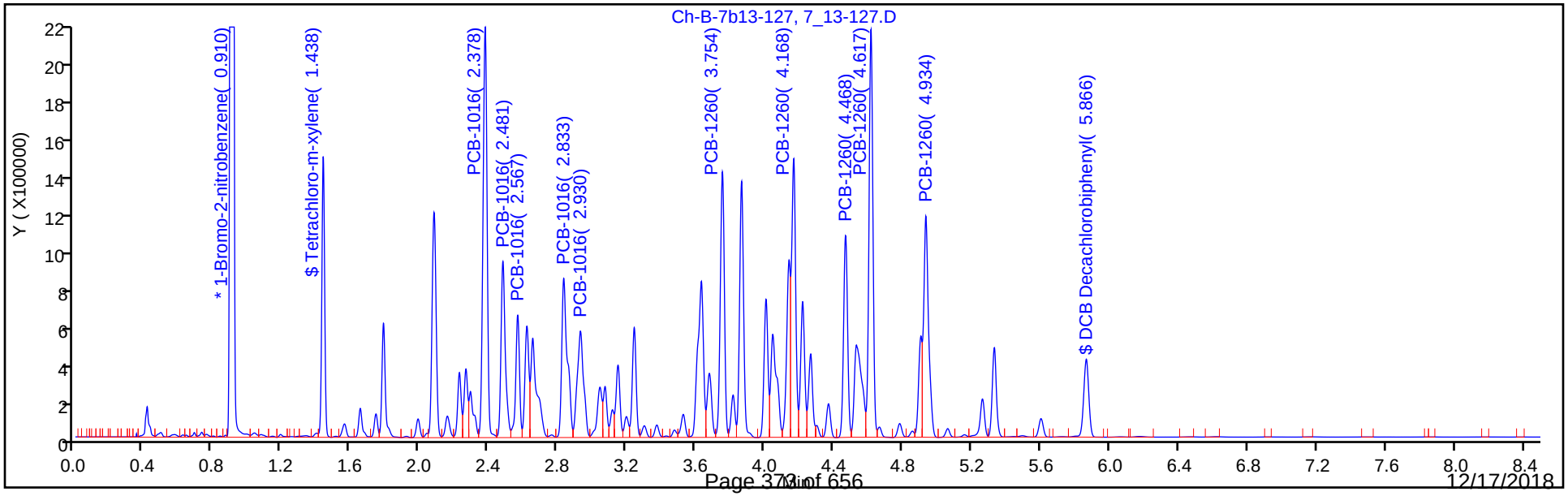
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-127.D

Injection Date:	07-May-2018 14:42:47	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 6			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-128.D
Lims ID: ICIS 5
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 07-May-2018 14:58:36 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-May-2018 12:38:41 Calib Date: 07-May-2018 21:20:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-152.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: salversonj Date: 07-May-2018 17:45:44

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	1.062	1.062	0.000	12254361	0.5000	0.5000	
2	0.911	0.911	0.000	26060757	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.943	1.943	0.000	531035	0.0125	0.0125	
2	1.438	1.438	0.000	1057969	0.0125	0.0127	
						RPD = 1.71	
9 PCB-1016							
1	2.868	2.868	0.000	1200146	0.5000	0.4603	
1	2.952	2.952	0.000	453786	0.5000	0.5050	
1	3.013	3.013	0.000	312652	0.5000	0.4528	
1	3.133	3.133	0.000	278385	0.5000	0.5748	
1	3.407	3.407	0.000	397842	0.5000	0.4477	
		Average of Peak Amounts =				0.4881	
2	2.377	2.377	0.000	2260490	0.5000	0.4975	
2	2.481	2.481	0.000	894341	0.5000	0.4296	
2	2.567	2.567	0.000	604915	0.5000	0.5520	
2	2.834	2.834	0.000	1028656	0.5000	0.4264	
2	2.932	2.932	0.000	791197	0.5000	0.5061	
		Average of Peak Amounts =				0.4823	
						RPD = 1.20	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							
1	4.318	4.318	0.000	675655	0.5000	0.4266	
1	4.501	4.501	0.000	756158	0.5000	0.4261	
1	4.728	4.728	0.000	1030741	0.5000	0.5082	
1	5.048	5.048	0.000	414190	0.5000	0.4587	
1	5.253	5.253	0.000	1011699	0.5000	0.4747	
		Average of Peak Amounts =				0.4588	
2	3.754	3.754	0.000	1210811	0.5000	0.4311	
2	4.168	4.168	0.000	1324130	0.5000	0.4421	
2	4.469	4.469	0.000	888996	0.5000	0.4197	
2	4.615	4.615	0.000	1836973	0.5000	0.4369	
2	4.934	4.934	0.000	1215762	0.5000	0.4249	
		Average of Peak Amounts =				0.4309	
						RPD = 6.27	
$ 15 DCB Decachlorobiphenyl							
1	6.822	6.822	0.000	306172	0.0125	0.0109	
2	5.865	5.865	0.000	430067	0.0125	0.0105	
						RPD = 3.13	

Reagents:

1660sur/is0.5_00027 Amount Added: 1.00 Units: mL

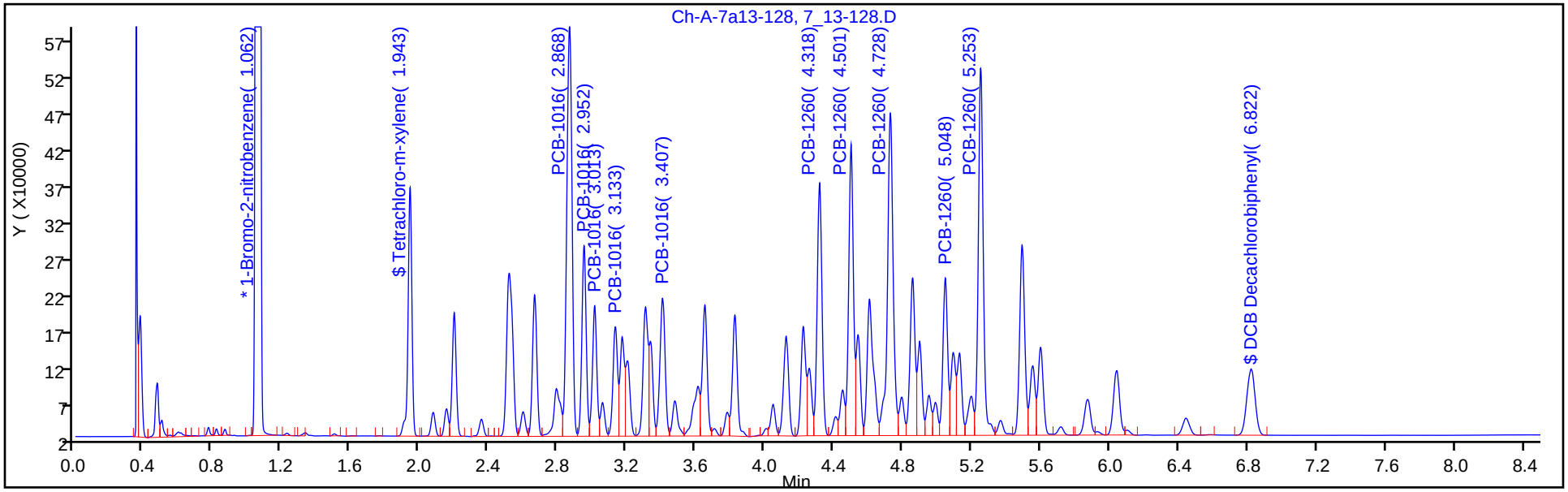
Report Date: 08-May-2018 12:38:42 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

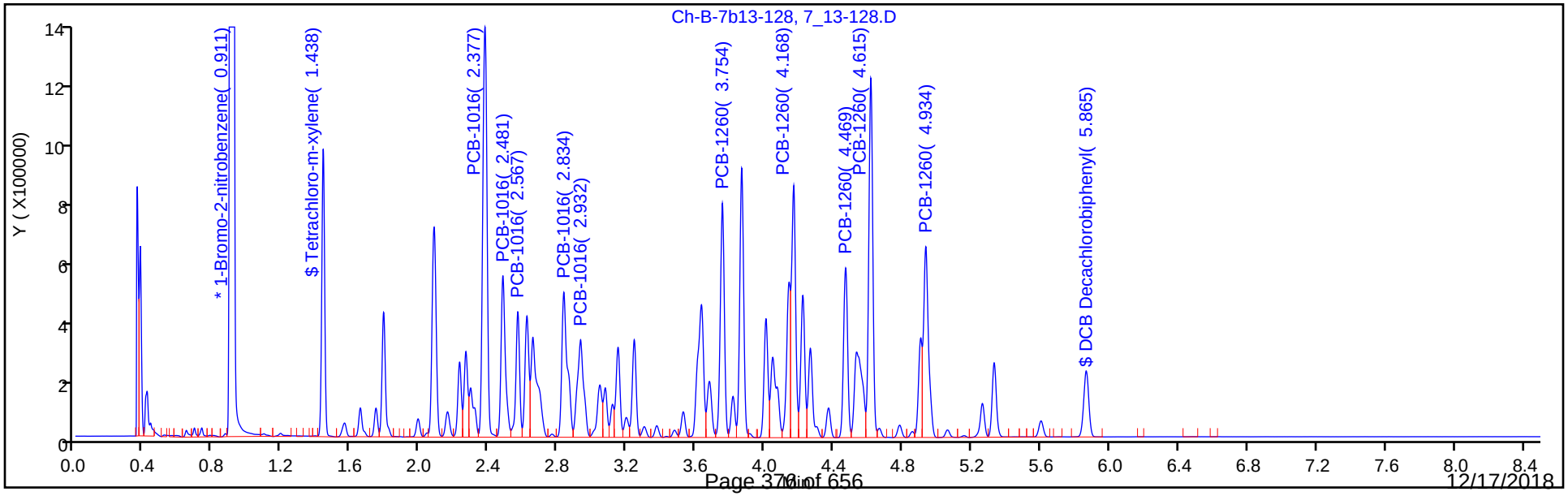
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-128.D

Injection Date:	07-May-2018 14:58:36	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	ICIS 5			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-129.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 07-May-2018 15:14:35 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-May-2018 12:38:44 Calib Date: 07-May-2018 21:20:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-152.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: salversonj Date: 08-May-2018 07:01:40

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	1.061	1.062	-0.001	10961658	0.5000	0.5000	
2	0.910	0.911	-0.001	23217803	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.943	1.943	0.001	194414	0.005000	0.005104	
2	1.438	1.438	0.000	351836	0.005000	0.004736	
						RPD = 7.49	
9 PCB-1016							M
1	2.868	2.868	0.000	460618	0.2000	0.1975	
1	2.951	2.952	-0.001	176476	0.2000	0.2072	
1	3.014	3.013	0.001	122500	0.2000	0.1984	
1	3.133	3.133	0.001	107206	0.2000	0.2229	
1	3.409	3.407	0.002	152859	0.2000	0.1923	
		Average of Peak Amounts =				0.2036	
2	2.378	2.377	0.001	743275	0.2000	0.1836	M
2	2.480	2.481	-0.001	355758	0.2000	0.1918	M
2	2.567	2.567	0.000	217190	0.2000	0.2067	M
2	2.834	2.834	0.000	412909	0.2000	0.1921	M
2	2.931	2.932	-0.001	319881	0.2000	0.2194	M
		Average of Peak Amounts =				0.1987	
						RPD = 2.45	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.318	4.318	0.000	278527	0.2000	0.1966	
1	4.501	4.501	0.000	301196	0.2000	0.1897	
1	4.728	4.728	0.000	398950	0.2000	0.2074	
1	5.048	5.048	0.000	180251	0.2000	0.2141	
1	5.253	5.253	0.001	415319	0.2000	0.2081	
		Average of Peak Amounts =				0.2032	
2	3.754	3.754	0.000	493394	0.2000	0.1972	M
2	4.168	4.168	0.000	496524	0.2000	0.1861	M
2	4.470	4.469	0.001	368901	0.2000	0.1955	M
2	4.616	4.615	0.001	699084	0.2000	0.1866	M
2	4.935	4.934	0.001	495701	0.2000	0.1945	M
		Average of Peak Amounts =				0.1920	
						RPD = 5.69	
$ 15 DCB Decachlorobiphenyl							
1	6.820	6.822	-0.002	131909	0.005000	0.005231	
2	5.865	5.865	0.000	194454	0.005000	0.005342	
						RPD = 2.10	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is0.2_00008 Amount Added: 1.00 Units: mL

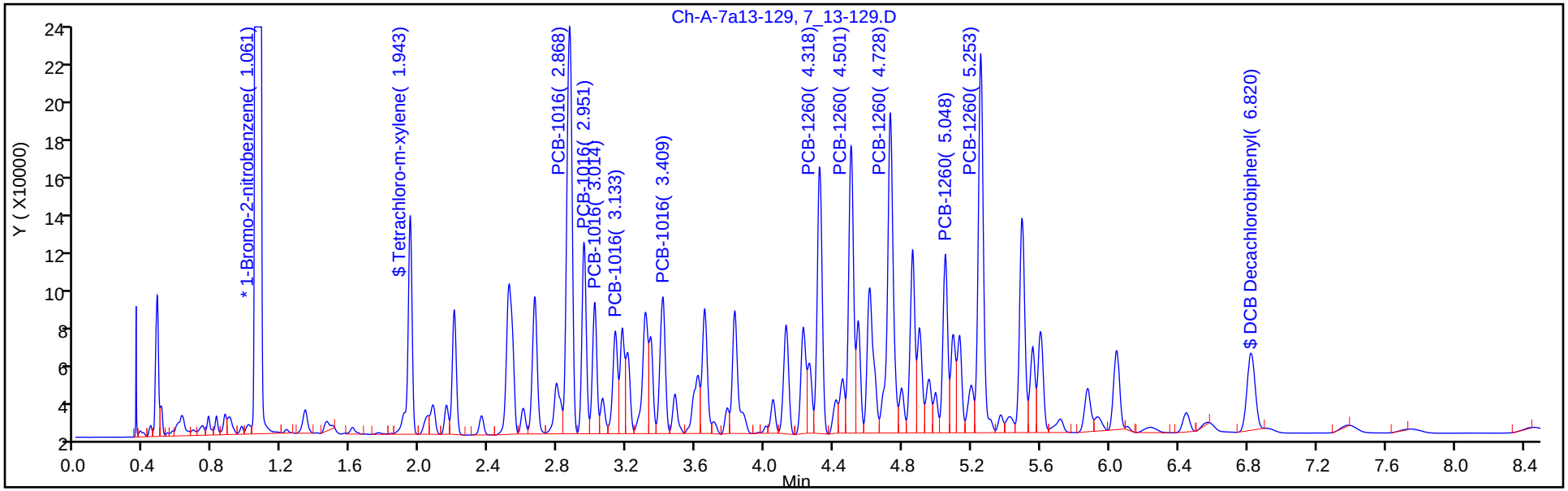
Report Date: 08-May-2018 12:38:45 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

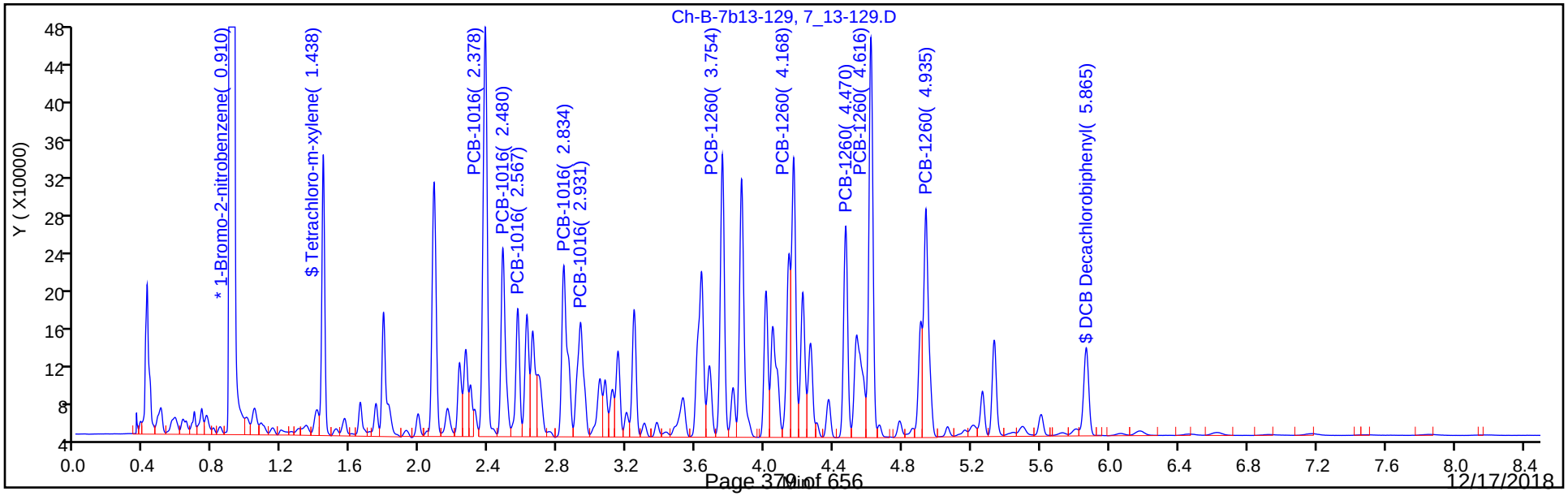
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-129.D

Injection Date:	07-May-2018 15:14:35	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 4			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 08-May-2018 12:38:45 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-129.D

Injection Date: 07-May-2018 15:14:35 Instrument ID: HP6890-7

Lims ID: IC 4

Client ID:

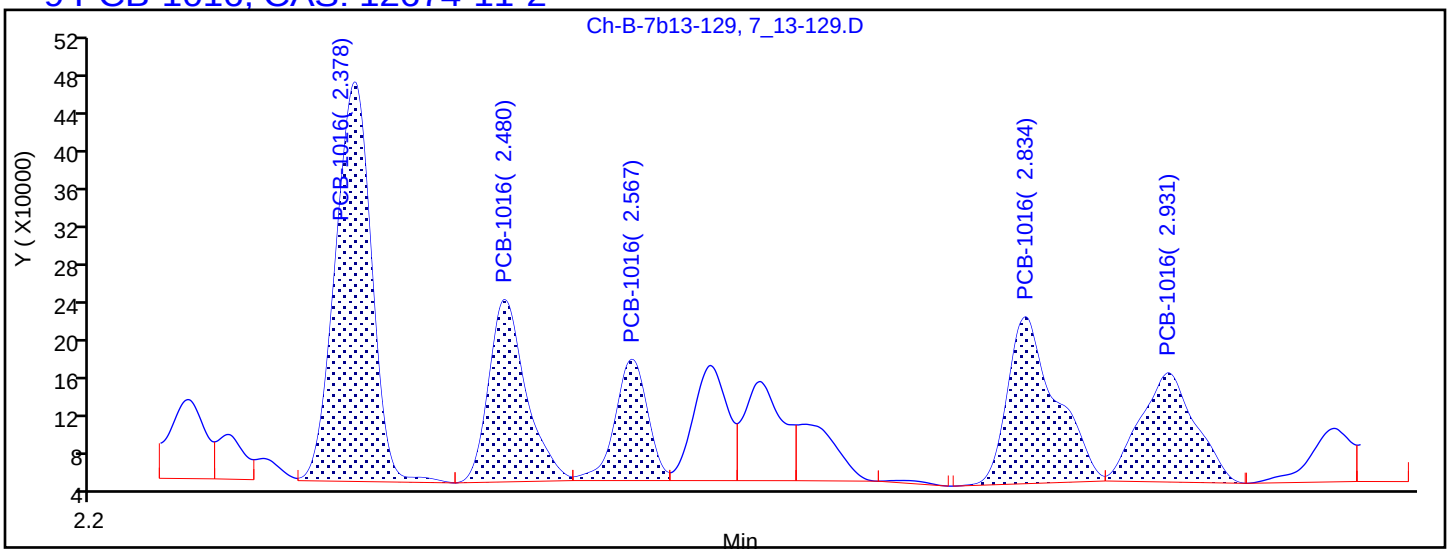
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 7

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

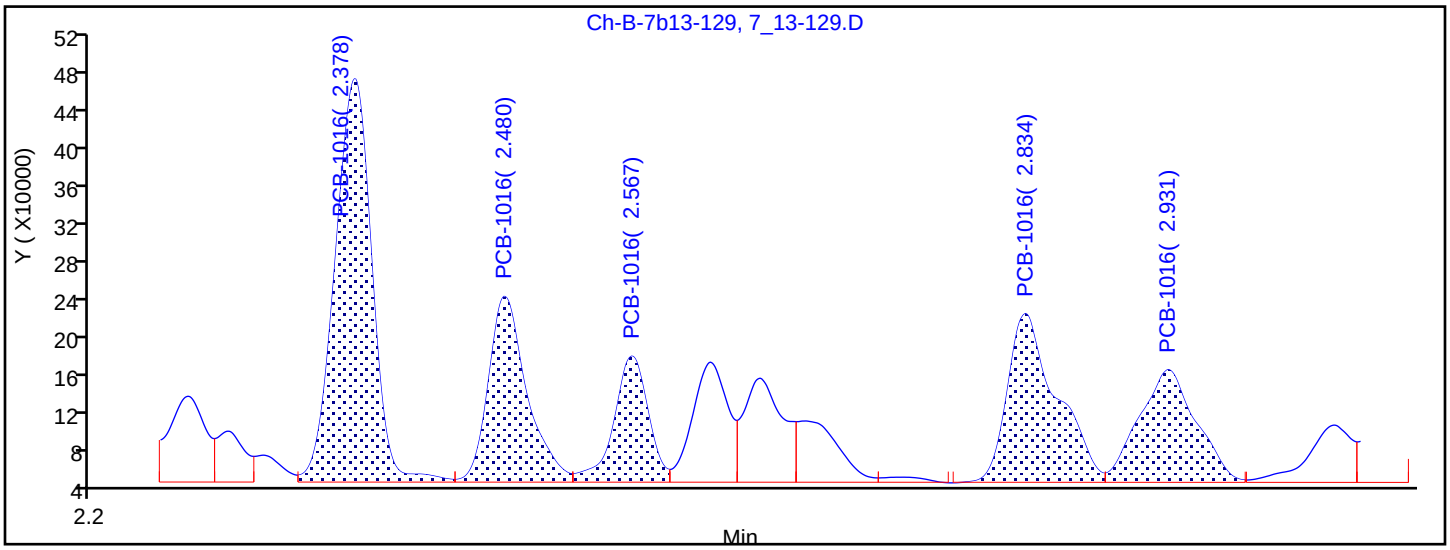
Column: Detector Ch-B-7b136

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.378	Response = 718811
2.480	Response = 337043
2.567	Response = 196765
2.834	Response = 399672
2.931	Response = 298930



Manual Integration Results

2.378	Response = 743275	M
2.480	Response = 355758	M
2.567	Response = 217190	M
2.834	Response = 412909	M
2.931	Response = 319881	M

Reviewer: salversonj, 08-May-2018 07:01:35

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 08-May-2018 12:38:45 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-129.D

Injection Date: 07-May-2018 15:14:35 Instrument ID: HP6890-7

Lims ID: IC 4

Client ID:

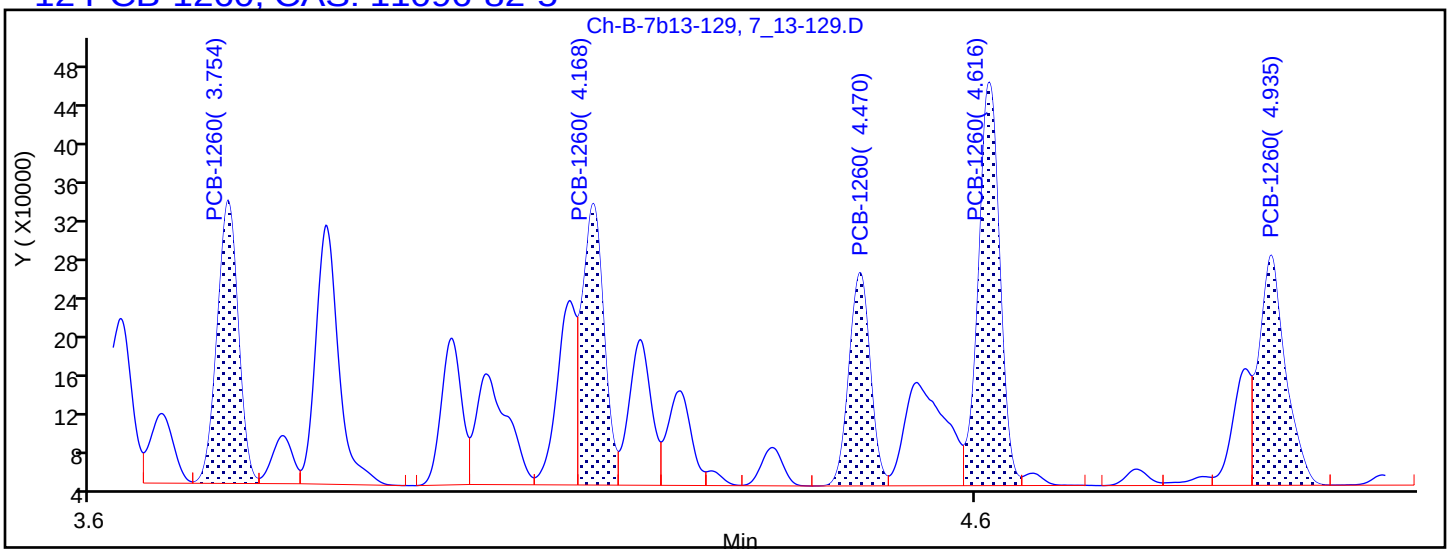
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 7

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

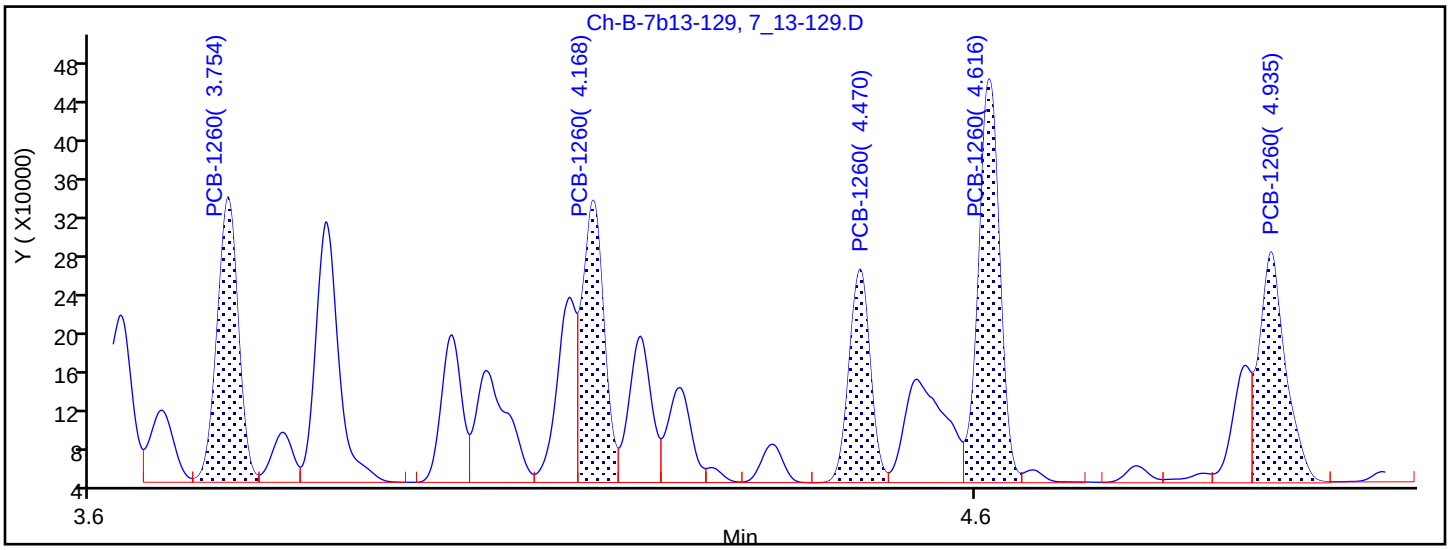
Column: Detector Ch-B-7b136

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

3.754	Response = 483337
4.168	Response = 494509
4.470	Response = 369023
4.616	Response = 697605
4.935	Response = 491119



Manual Integration Results

3.754	Response = 493394	M
4.168	Response = 496524	M
4.470	Response = 368901	M
4.616	Response = 699084	M
4.935	Response = 495701	M

Reviewer: salversonj, 08-May-2018 07:01:35

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-130.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 07-May-2018 15:30:25 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-May-2018 12:38:47 Calib Date: 07-May-2018 21:20:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-152.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: salversonj Date: 08-May-2018 07:01:12

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	1.062	1.062	0.000	10925722	0.5000	0.5000	
2	0.911	0.911	0.000	23108470	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.943	1.943	0.000	95402	0.002500	0.002513	M
2	1.439	1.438	0.001	182915	0.002500	0.002474	
						RPD = 1.57	
9 PCB-1016							M
1	2.868	2.868	0.000	236540	0.1000	0.1018	M
1	2.953	2.952	0.000	96762	0.1000	0.1041	M
1	3.013	3.013	-0.001	64525	0.1000	0.1048	M
1	3.133	3.133	0.001	66582	0.1000	0.1227	M
1	3.408	3.407	0.001	83941	0.1000	0.1059	M
		Average of Peak Amounts =				0.1079	
2	2.378	2.377	0.001	382606	0.1000	0.0950	
2	2.480	2.481	-0.001	191197	0.1000	0.1036	
2	2.567	2.567	0.000	121121	0.1000	0.1042	
2	2.834	2.834	0.000	221245	0.1000	0.1034	
2	2.931	2.932	-0.001	172825	0.1000	0.1105	
		Average of Peak Amounts =				0.1033	
						RPD = 4.29	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.318	4.318	0.000	147372	0.1000	0.1044	M
1	4.502	4.501	0.001	163364	0.1000	0.1032	M
1	4.728	4.728	0.000	224126	0.1000	0.1073	M
1	5.048	5.048	0.000	100513	0.1000	0.1120	M
1	5.254	5.253	0.002	228224	0.1000	0.1067	M
		Average of Peak Amounts =				0.1067	
2	3.755	3.754	0.001	259341	0.1000	0.1041	
2	4.168	4.168	0.000	261670	0.1000	0.0985	
2	4.469	4.469	0.000	196922	0.1000	0.1049	
2	4.616	4.615	0.001	372120	0.1000	0.0998	
2	4.935	4.934	0.001	262059	0.1000	0.1033	
		Average of Peak Amounts =				0.1021	
						RPD = 4.42	
$ 15 DCB Decachlorobiphenyl							
1	6.820	6.822	-0.002	70817	0.002500	0.002817	
2	5.865	5.865	0.000	107235	0.002500	0.002960	
						RPD = 4.93	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is0.1_00009 Amount Added: 1.00 Units: mL

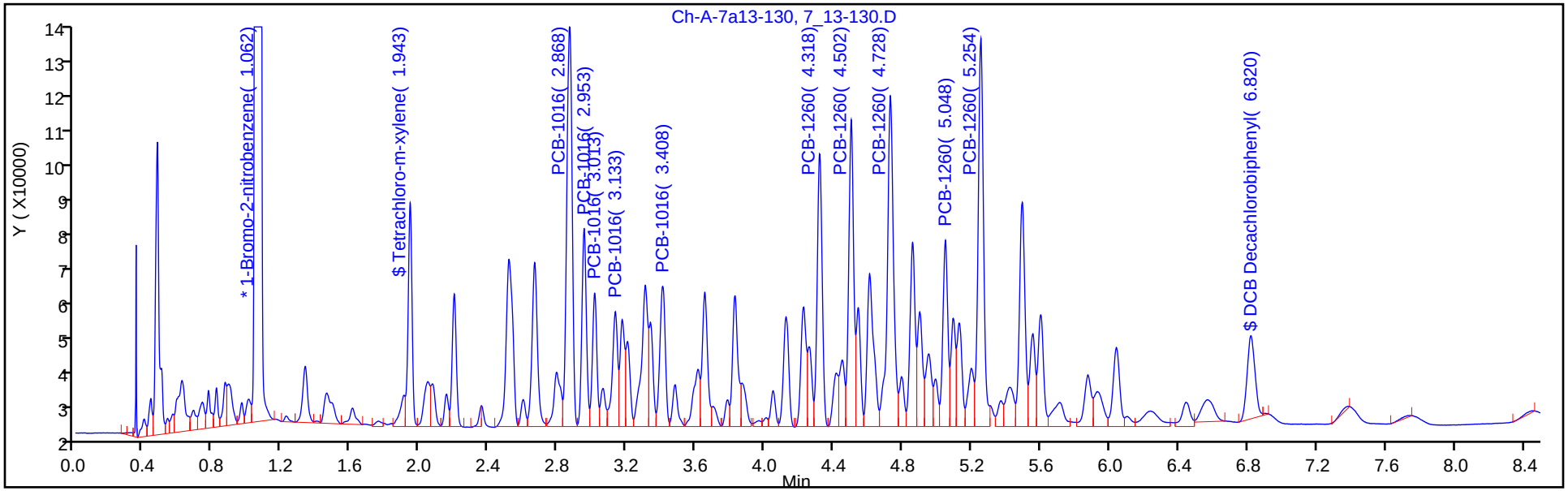
Report Date: 08-May-2018 12:38:48 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

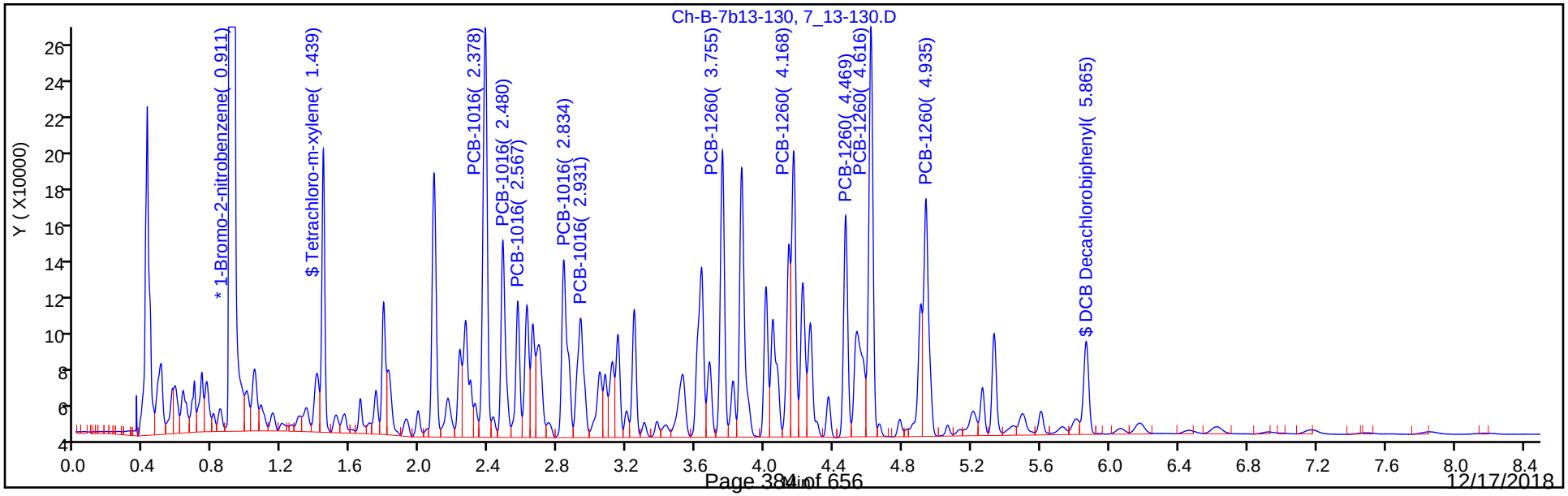
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-130.D

Injection Date:	07-May-2018 15:30:25	Instrument ID:	HP6890-7	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:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-131.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 07-May-2018 15:46:26 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-May-2018 12:38:51 Calib Date: 07-May-2018 21:20:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-152.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

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	1.062	1.062	0.000	11144095	0.5000	0.5000	
2	0.910	0.911	-0.001	24164930	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.943	1.943	0.001	59984	0.001250	0.001549	
2	1.438	1.438	0.000	130939	0.001250	0.001693	
						RPD = 8.90	
9 PCB-1016							
1	2.868	2.868	0.000	133662	0.0500	0.0564	
1	2.953	2.952	0.001	54040	0.0500	0.0471	
1	3.015	3.013	0.002	35670	0.0500	0.0568	
1	3.135	3.133	0.003	33758	0.0500	0.0393	
1	3.410	3.407	0.003	45226	0.0500	0.0560	
		Average of Peak Amounts =				0.0511	
2	2.377	2.377	0.000	281731	0.0500	0.0669	
2	2.481	2.481	0.000	116934	0.0500	0.0606	
2	2.568	2.567	0.001	78206	0.0500	0.0542	
2	2.834	2.834	0.000	133721	0.0500	0.0598	
2	2.932	2.932	0.000	104011	0.0500	0.0556	
		Average of Peak Amounts =				0.0594	
						RPD = 15.02	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							
1	4.319	4.318	0.001	80572	0.0500	0.0559	
1	4.503	4.501	0.001	88830	0.0500	0.0550	
1	4.730	4.728	0.002	126549	0.0500	0.0496	
1	5.049	5.048	0.001	53687	0.0500	0.0503	
1	5.254	5.253	0.002	127813	0.0500	0.0505	
		Average of Peak Amounts =				0.0523	
2	3.754	3.754	0.000	149751	0.0500	0.0575	
2	4.168	4.168	0.000	162146	0.0500	0.0584	
2	4.470	4.469	0.001	111078	0.0500	0.0566	
2	4.616	4.615	0.001	215659	0.0500	0.0553	
2	4.934	4.934	0.000	147672	0.0500	0.0557	
		Average of Peak Amounts =				0.0567	
						RPD = 8.09	
$ 15 DCB Decachlorobiphenyl							
1	6.820	6.822	-0.002	39862	0.001250	0.001555	
2	5.865	5.865	0.000	55589	0.001250	0.001467	
						RPD = 5.80	

Reagents:

1660sur/is.05_00008 Amount Added: 1.00 Units: mL

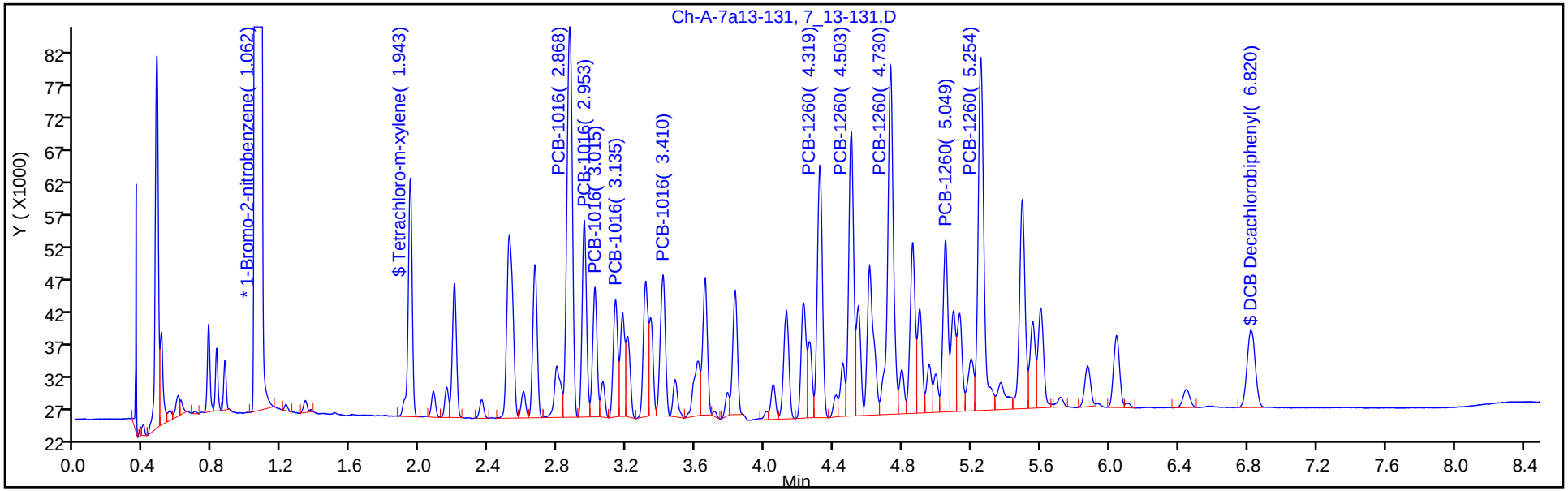
Report Date: 08-May-2018 12:38:52 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

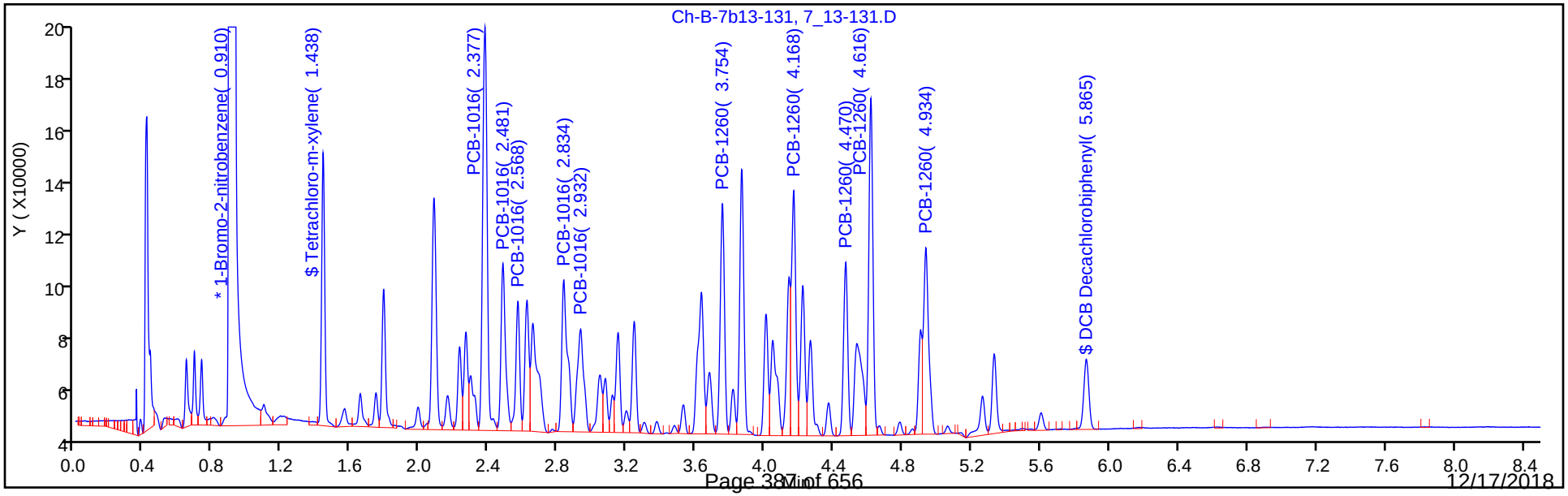
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-131.D

Injection Date:	07-May-2018 15:46:26	Instrument ID:	HP6890-7	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:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-132.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 07-May-2018 16:02:16 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-May-2018 12:38:54 Calib Date: 07-May-2018 21:20:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-152.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: salversonj Date: 08-May-2018 07:00:50

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	1.063	1.063	0.000	10823908	0.5000	0.5000	
2	0.913	0.913	0.000	22989895	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.944	1.944	0.000	21897	0.000500	0.000582	
2	1.440	1.440	0.000	46644	0.000500	0.000634	
						RPD = 8.53	
9 PCB-1016							M
1	2.866	2.866	0.000	52040	0.0200	0.0226	
1	2.955	2.955	0.000	31463	0.0200	0.0194	
1	3.013	3.013	0.000	13798	0.0200	0.0226	
1	3.132	3.132	0.000	23385	0.0200	0.0157	M
1	3.410	3.410	0.000	19545	0.0200	0.0249	
		Average of Peak Amounts =				0.0211	
2	2.380	2.380	0.000	91679	0.0200	0.0229	
2	2.482	2.482	0.000	48180	0.0200	0.0262	
2	2.569	2.569	0.000	38736	0.0200	0.0156	
2	2.835	2.835	0.000	56324	0.0200	0.0265	
2	2.933	2.933	0.000	43472	0.0200	0.0139	
		Average of Peak Amounts =				0.0210	
						RPD = 0.23	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.319	4.319	0.000	34229	0.0200	0.0245	M
1	4.503	4.503	0.000	42242	0.0200	0.0269	M
1	4.730	4.730	0.000	68532	0.0200	0.0180	M
1	5.049	5.049	0.000	27125	0.0200	0.0177	M
1	5.252	5.252	0.000	66288	0.0200	0.0186	M
		Average of Peak Amounts =				0.0211	
2	3.754	3.754	0.000	60851	0.0200	0.0246	
2	4.168	4.168	0.000	69333	0.0200	0.0262	
2	4.470	4.470	0.000	48167	0.0200	0.0258	
2	4.617	4.617	0.000	101216	0.0200	0.0273	
2	4.933	4.933	0.000	66206	0.0200	0.0262	
		Average of Peak Amounts =				0.0260	
						RPD = 20.70	
$ 15 DCB Decachlorobiphenyl							M
1	6.826	6.826	0.000	22854	0.000500	0.000918	M
2	5.866	5.866	0.000	25454	0.000500	0.000706	
						RPD = 26.06	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

1660sur/is.02_00010 Amount Added: 1.00 Units: mL

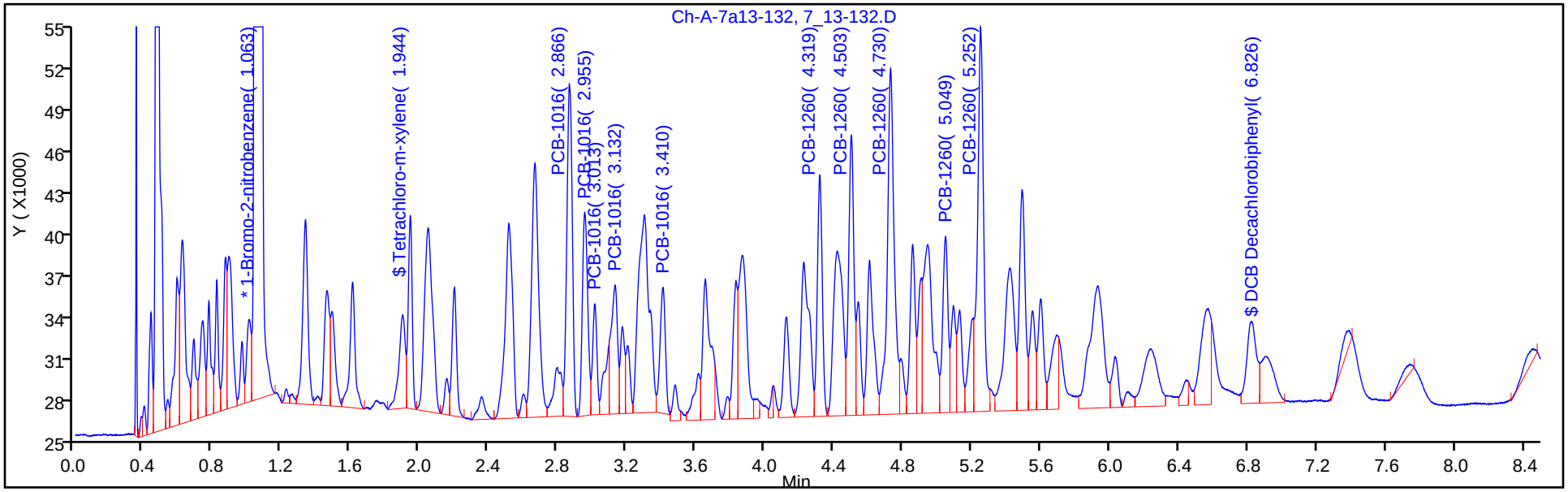
Report Date: 08-May-2018 12:38:55 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

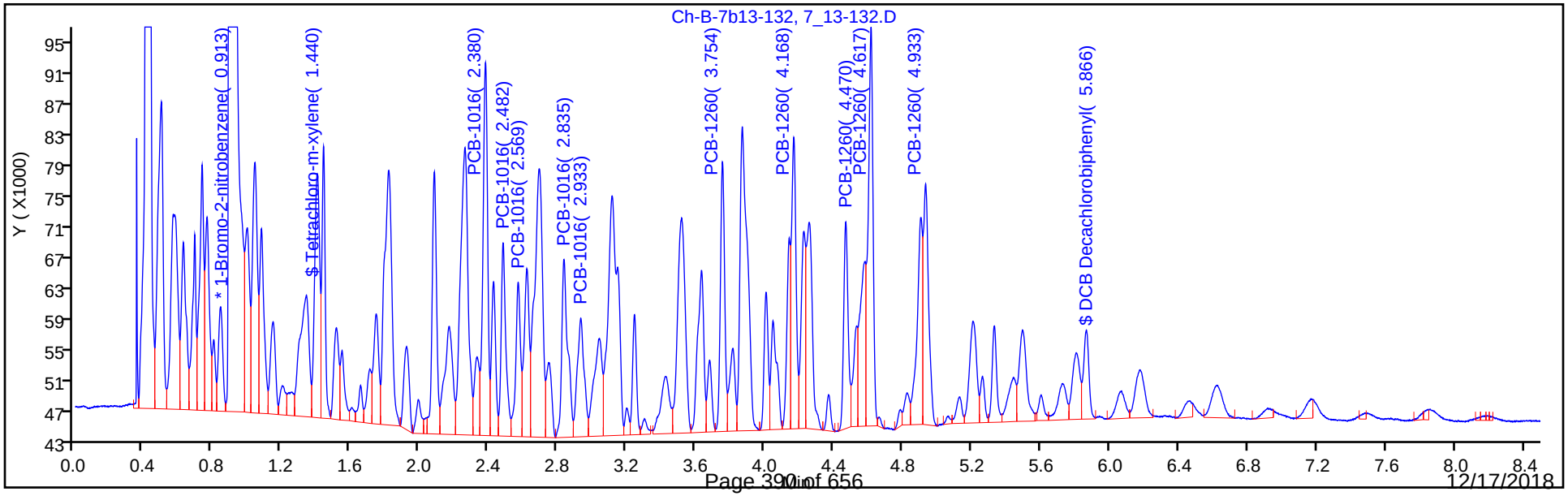
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-132.D

Injection Date:	07-May-2018 16:02:16	Instrument ID:	HP6890-7	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:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1 Analy Batch No.: 413004

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2018 17:37 Calibration End Date: 05/07/2018 18:09 Calibration ID: 33765

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-413004/18	7_13-140.D
Level 2	IC 480-413004/17	7_13-139.D
Level 3	IC 480-413004/16	7_13-138.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 2	0	0.0153	0.0120			Lin1	0.0033	0.0100							0.9960		0.9900
PCB-1221 Peak 1	0.0738	0.0100	0.0071			Lin1	0.0014	0.0066							0.9970		0.9900
PCB-1221 Peak 3	0.0260	0.0091	0.0072			Lin1	0.0004	0.0073							0.9950		0.9900
PCB-1221 Peak 4	0.0636	0.0328	0.0268			Lin1	0.0008	0.0273							0.9950		0.9900
PCB-1254 Peak 1	0.0931	0.0597	0.0531			Lin1	0.0009	0.0537							0.9980		0.9900
PCB-1254 Peak 2	0.0501	0.0416	0.0353			Ave		0.0423				17.5		20.0			
PCB-1254 Peak 3	0.0928	0.0749	0.0632			Ave		0.0770				19.3		20.0			
PCB-1254 Peak 4	0.0910	0.0771	0.0630			Ave		0.0770				18.2		20.0			
PCB-1254 Peak 5	0.1233	0.0570	0.0527			Lin1	0.0014	0.0524							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.: 480-145287-1 Analy Batch No.: 413004

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2018 17:37 Calibration End Date: 05/07/2018 18:09 Calibration ID: 33765

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-413004/18	7_13-140.D
Level 2	IC 480-413004/17	7_13-139.D
Level 3	IC 480-413004/16	7_13-138.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 2	BNB	Lin1	0	175609	660584			0.0200	0.500	2.00		
PCB-1221 Peak 1	BNB	Lin1	33297	114841	392418			0.0200	0.500	2.00		
PCB-1221 Peak 3	BNB	Lin1	11740	104101	399421			0.0200	0.500	2.00		
PCB-1221 Peak 4	BNB	Lin1	28687	377103	1477679			0.0200	0.500	2.00		
PCB-1254 Peak 1	BNB	Lin1	41999	685908	2930435			0.0200	0.500	2.00		
PCB-1254 Peak 2	BNB	Ave	22595	478063	1949230			0.0200	0.500	2.00		
PCB-1254 Peak 3	BNB	Ave	41865	861146	3490666			0.0200	0.500	2.00		
PCB-1254 Peak 4	BNB	Ave	41038	886106	3476258			0.0200	0.500	2.00		
PCB-1254 Peak 5	BNB	Lin1	55626	654960	2909765			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\HP6890-07\20180507-71316.b\7_13-138.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 07-May-2018 17:37:51 ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-May-2018 12:39:36 Calib Date: 07-May-2018 21:20:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-152.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: salversonj Date: 08-May-2018 11:37:15

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	1.062	1.063	0.000	13797169	0.5000	0.5000	
2	0.911	0.913	-0.001	30205422	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1221							
1	1.503	1.496	0.007	392418	2.00	1.95	
1	2.078	2.078	0.000	660584	2.00	2.06	
1	2.153	2.153	0.001	399421	2.00	1.93	
1	2.199	2.198	0.001	1477679	2.00	1.93	
		Average of Peak Amounts =				1.97	
2	1.190	1.192	-0.002	767807	2.00	1.91	
2	1.653	1.653	0.000	1363019	2.00	1.94	
2	1.744	1.744	0.000	819399	2.00	2.06	
2	1.789	1.818	-0.029	2953171	2.00	2.03	
		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
11 PCB-1254							
1	3.828	3.830	-0.002	2930435	2.00	1.96	
1	4.050	4.048	0.002	1949230	2.00	1.67	
1	4.128	4.128	0.000	3490666	2.00	1.64	
1	4.328	4.326	0.002	3476258	2.00	1.64	
1	4.731	4.730	0.001	2909765	2.00	1.98	
		Average of Peak Amounts =				1.78	
2	3.243	3.243	0.000	4182515	2.00	1.92	
2	3.610	3.611	-0.001	6958600	2.00	1.64	
2	3.748	3.748	0.000	6999229	2.00	1.64	
2	4.042	4.041	0.001	4033985	2.00	1.65	
2	4.168	4.168	0.000	5738030	2.00	1.96	
		Average of Peak Amounts =				1.76	
						RPD = 0.96	

Reagents:

21-54w/IS@2.0_00009 Amount Added: 1.00 Units: mL

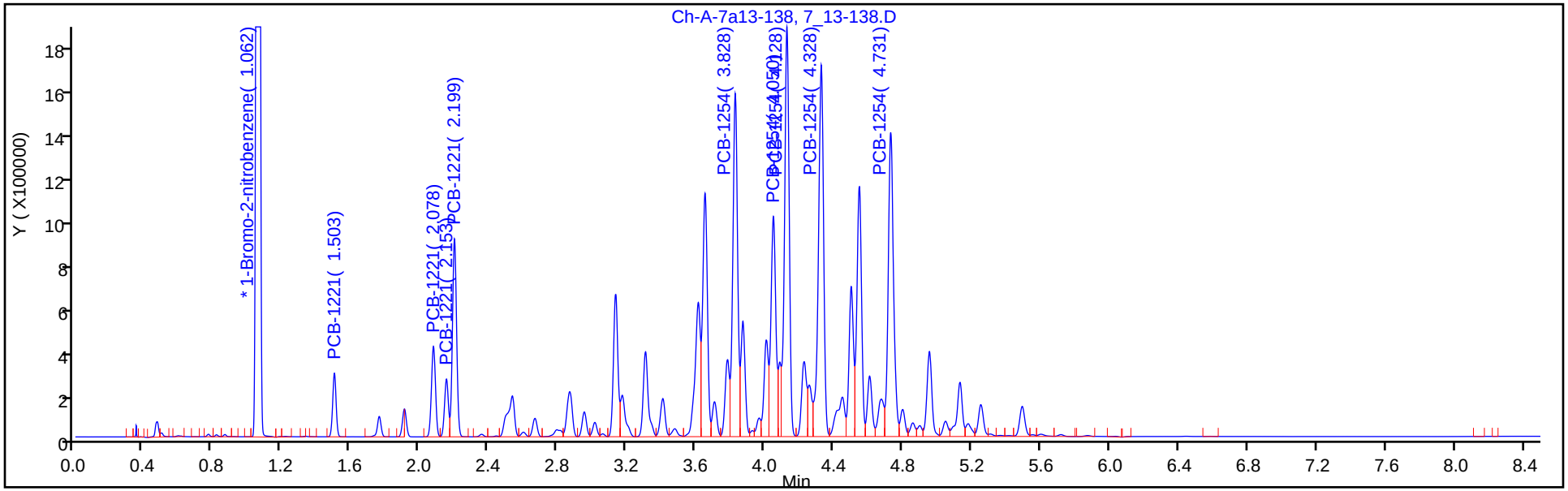
Report Date: 08-May-2018 12:39:36 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

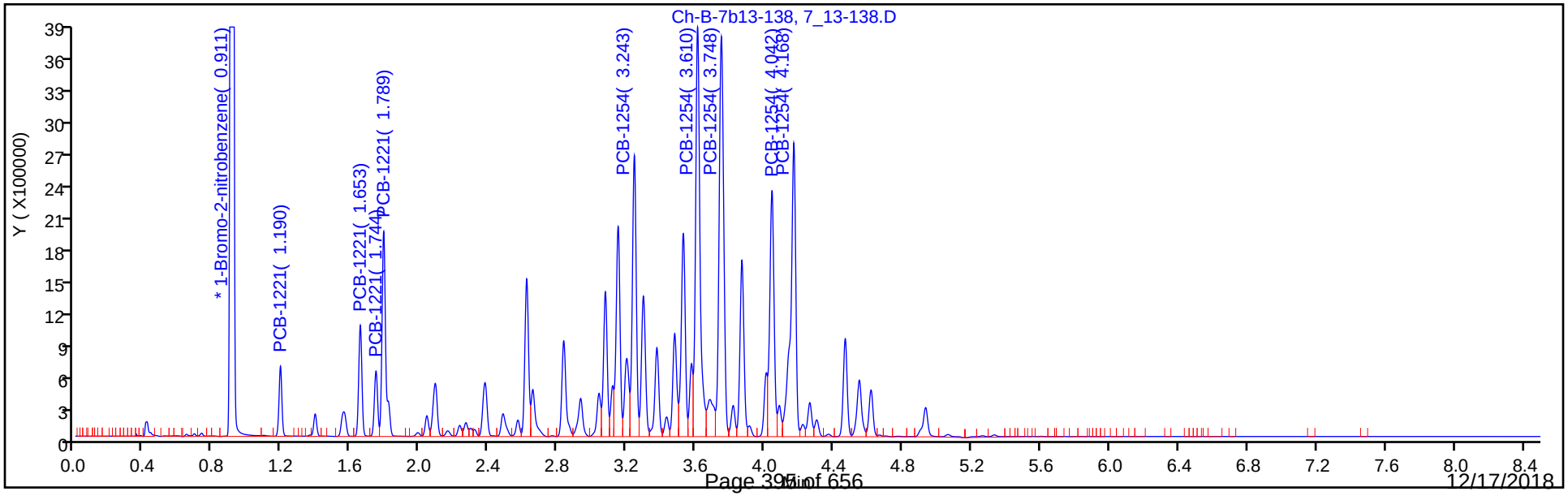
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-138.D

Injection Date:	07-May-2018 17:37:51	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	16
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-139.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 07-May-2018 17:53:53 ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-May-2018 12:39:39 Calib Date: 07-May-2018 21:20:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-152.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: salversonj Date: 08-May-2018 11:45:28

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	1.063	1.063	0.000	11491140	0.5000	0.5000	
2	0.911	0.913	-0.001	25655121	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1221							
1	1.503	1.496	0.007	114841	0.5000	0.5519	
1	2.080	2.078	0.002	175609	0.5000	0.4351	
1	2.154	2.153	0.002	104101	0.5000	0.5683	
1	2.200	2.198	0.002	377103	0.5000	0.5716	
		Average of Peak Amounts =				0.5317	
2	1.191	1.192	-0.001	216194	0.5000	0.5903	
2	1.653	1.653	0.000	341088	0.5000	0.5597	
2	1.744	1.744	0.000	183061	0.5000	0.4345	
2	1.788	1.818	-0.030	675193	0.5000	0.4658	
		Average of Peak Amounts =				0.5126	
						RPD = 3.68	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1254							
1	3.828	3.830	-0.002	685908	0.5000	0.5398	
1	4.049	4.048	0.001	478063	0.5000	0.4913	
1	4.129	4.128	0.001	861146	0.5000	0.4866	
1	4.328	4.326	0.002	886106	0.5000	0.5006	
1	4.732	4.730	0.002	654960	0.5000	0.5162	
		Average of Peak Amounts =				0.5069	
2	3.243	3.243	-0.001	1082599	0.5000	0.5781	
2	3.610	3.611	-0.001	1775077	0.5000	0.4913	
2	3.748	3.748	0.000	1776861	0.5000	0.4899	
2	4.042	4.041	0.001	1035273	0.5000	0.4992	
2	4.168	4.168	0.000	1386359	0.5000	0.5448	
		Average of Peak Amounts =				0.5207	
						RPD = 2.68	

Reagents:

21-54w/IS@0.5_00021 Amount Added: 1.00 Units: mL

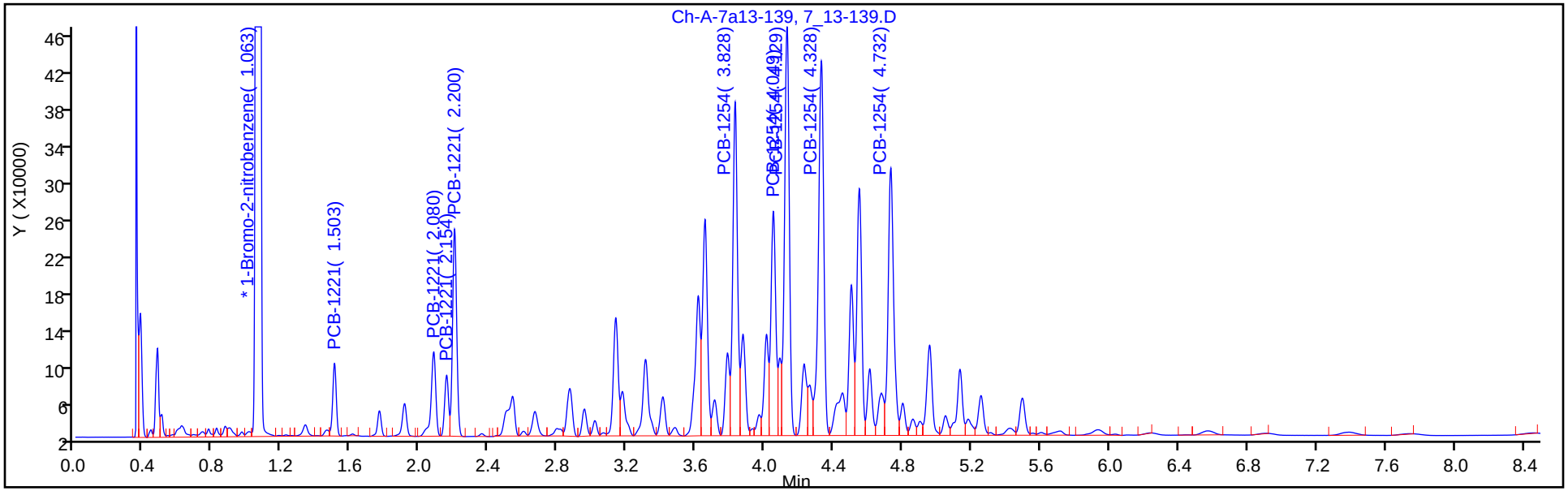
Report Date: 08-May-2018 12:39:39 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

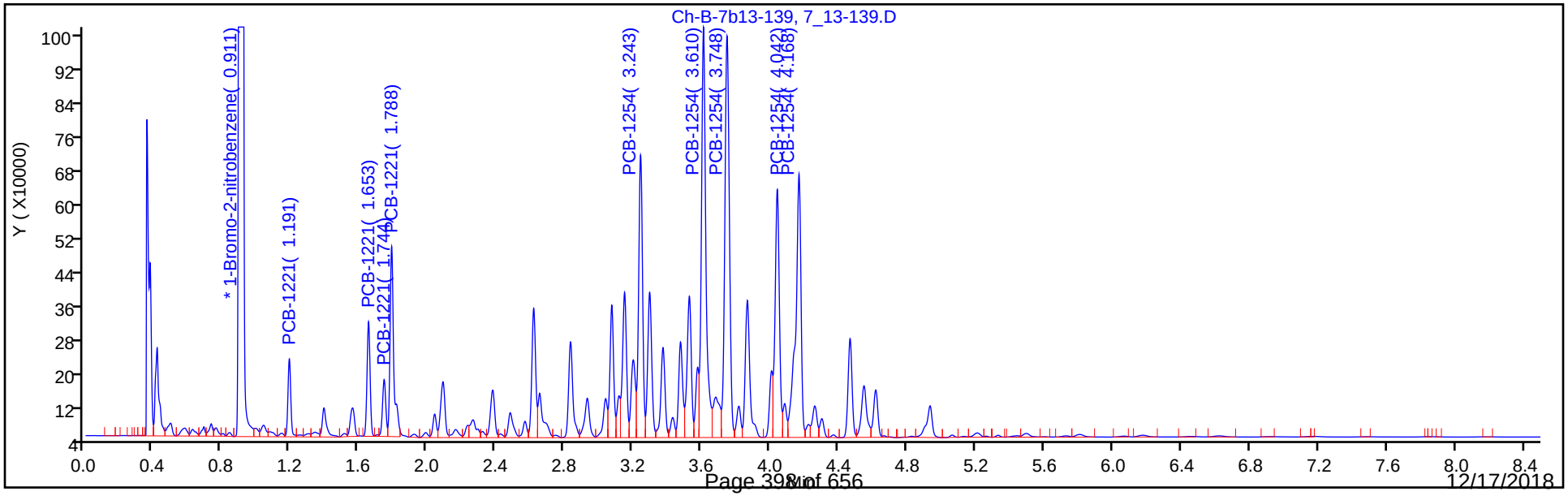
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-139.D

Injection Date:	07-May-2018 17:53:53	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	17
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-140.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 07-May-2018 18:09:43 ALS Bottle#: 0 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-May-2018 12:39:42 Calib Date: 07-May-2018 21:20:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-152.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

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	1.061	1.061	0.000	11276538	0.5000	0.5000	
2	0.911	0.911	0.000	24029511	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1221							
1	1.496	1.496	0.000	33297	0.0200	0.0184	
1	0.000	2.078	-2.078	0	0.0200	0	
1	2.153	2.153	0.000	11740	0.0200	0.0179	
1	2.198	2.198	0.000	28687	0.0200	0.0178	
		Average of Peak Amounts =				0.0181	
2	1.192	1.192	0.000	25509	0.0200	0.0173	
2	1.653	1.653	0.000	19908	0.0200	0.0182	
2	1.744	1.744	0.000	49830	0.0200	0.0220	
2	1.818	1.818	0.000	145263	0.0200	0.0210	
		Average of Peak Amounts =				0.0196	
						RPD = 8.27	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1254							
1	3.830	3.830	0.000	41999	0.0200	0.0188	
1	4.048	4.048	0.000	22595	0.0200	0.0237	
1	4.128	4.128	0.000	41865	0.0200	0.0241	
1	4.326	4.326	0.000	41038	0.0200	0.0236	
1	4.730	4.730	0.000	55626	0.0200	0.0195	
		Average of Peak Amounts =				0.0219	
2	3.243	3.243	0.000	50870	0.0200	0.0176	
2	3.611	3.611	0.000	81182	0.0200	0.0240	
2	3.748	3.748	0.000	81577	0.0200	0.0240	
2	4.041	4.041	0.000	45663	0.0200	0.0235	
2	4.168	4.168	0.000	80972	0.0200	0.0186	
		Average of Peak Amounts =				0.0216	
						RPD = 1.76	

Reagents:

21-54w/IS@.02_00008 Amount Added: 1.00 Units: mL

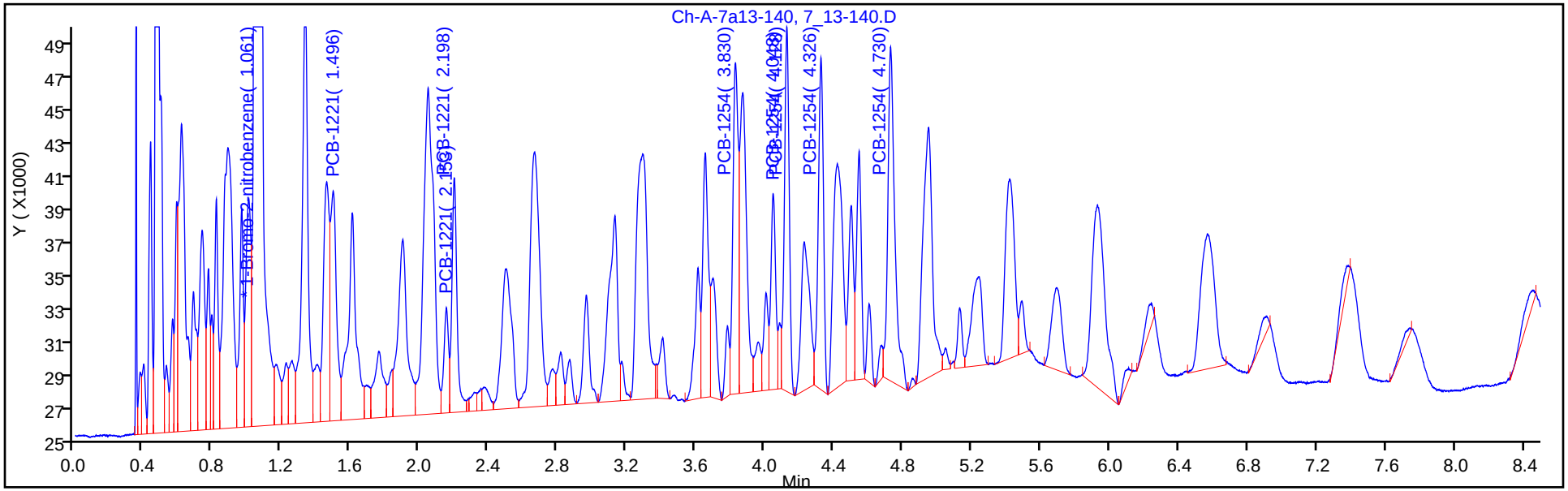
Report Date: 08-May-2018 12:39:42 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

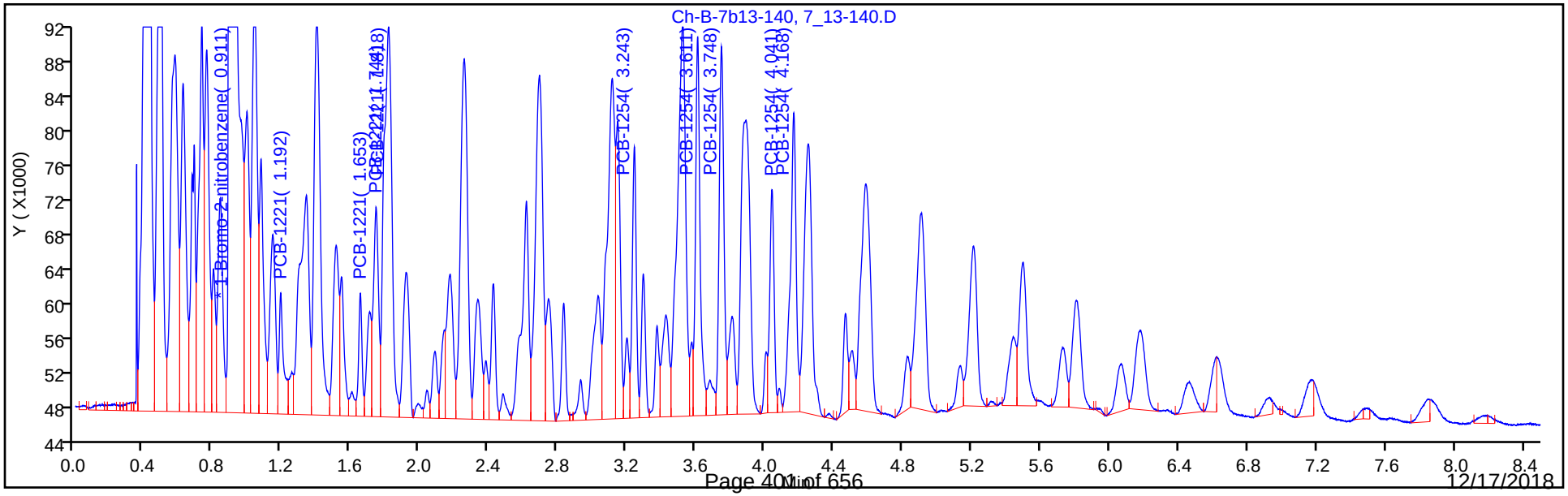
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-140.D

Injection Date:	07-May-2018 18:09:43	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 1			Worklist Smp#:	18
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1 Analy Batch No.: 413004

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2018 17:37 Calibration End Date: 05/07/2018 18:09 Calibration ID: 33766

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-413004/18	7_13-140.D
Level 2	IC 480-413004/17	7_13-139.D
Level 3	IC 480-413004/16	7_13-138.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	0.0265	0.0084	0.0064			Lin1	0.0004	0.0064							0.9910		0.9900
PCB-1221 Peak 2	0.0207	0.0133	0.0113			Lin1	0.0002	0.0115							0.9960		0.9900
PCB-1221 Peak 3	0.0518	0.0071	0.0068			Lin1	0.0009	0.0061							0.9950		0.9900
PCB-1221 Peak 4	0.1511	0.0263	0.0244			Lin1	0.0025	0.0228							0.9990		0.9900
PCB-1254 Peak 1	0.0529	0.0422	0.0346			Lin1	0.0004	0.0358							0.9940		0.9900
PCB-1254 Peak 2	0.0845	0.0692	0.0576			Ave		0.0704				19.1		20.0			
PCB-1254 Peak 3	0.0849	0.0693	0.0579			Ave		0.0707				19.1		20.0			
PCB-1254 Peak 4	0.0475	0.0404	0.0334			Ave		0.0404				17.5		20.0			
PCB-1254 Peak 5	0.0842	0.0540	0.0475			Lin1	0.0008	0.0481							0.9980		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.: 480-145287-1 Analy Batch No.: 413004

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2018 17:37 Calibration End Date: 05/07/2018 18:09 Calibration ID: 33766

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-413004/18	7_13-140.D
Level 2	IC 480-413004/17	7_13-139.D
Level 3	IC 480-413004/16	7_13-138.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	25509	216194	767807			0.0200	0.500	2.00		
PCB-1221 Peak 2	BNB	Lin1	19908	341088	1363019			0.0200	0.500	2.00		
PCB-1221 Peak 3	BNB	Lin1	49830	183061	819399			0.0200	0.500	2.00		
PCB-1221 Peak 4	BNB	Lin1	145263	675193	2953171			0.0200	0.500	2.00		
PCB-1254 Peak 1	BNB	Lin1	50870	1082599	4182515			0.0200	0.500	2.00		
PCB-1254 Peak 2	BNB	Ave	81182	1775077	6958600			0.0200	0.500	2.00		
PCB-1254 Peak 3	BNB	Ave	81577	1776861	6999229			0.0200	0.500	2.00		
PCB-1254 Peak 4	BNB	Ave	45663	1035273	4033985			0.0200	0.500	2.00		
PCB-1254 Peak 5	BNB	Lin1	80972	1386359	5738030			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\HP6890-07\20180507-71316.b\7_13-138.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 07-May-2018 17:37:51 ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-May-2018 12:39:36 Calib Date: 07-May-2018 21:20:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-152.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: salversonj Date: 08-May-2018 11:37:15

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	1.062	1.063	0.000	13797169	0.5000	0.5000	
2	0.911	0.913	-0.001	30205422	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1221							
1	1.503	1.496	0.007	392418	2.00	1.95	
1	2.078	2.078	0.000	660584	2.00	2.06	
1	2.153	2.153	0.001	399421	2.00	1.93	
1	2.199	2.198	0.001	1477679	2.00	1.93	
		Average of Peak Amounts =				1.97	
2	1.190	1.192	-0.002	767807	2.00	1.91	
2	1.653	1.653	0.000	1363019	2.00	1.94	
2	1.744	1.744	0.000	819399	2.00	2.06	
2	1.789	1.818	-0.029	2953171	2.00	2.03	
		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
11 PCB-1254							
1	3.828	3.830	-0.002	2930435	2.00	1.96	
1	4.050	4.048	0.002	1949230	2.00	1.67	
1	4.128	4.128	0.000	3490666	2.00	1.64	
1	4.328	4.326	0.002	3476258	2.00	1.64	
1	4.731	4.730	0.001	2909765	2.00	1.98	
		Average of Peak Amounts =				1.78	
2	3.243	3.243	0.000	4182515	2.00	1.92	
2	3.610	3.611	-0.001	6958600	2.00	1.64	
2	3.748	3.748	0.000	6999229	2.00	1.64	
2	4.042	4.041	0.001	4033985	2.00	1.65	
2	4.168	4.168	0.000	5738030	2.00	1.96	
		Average of Peak Amounts =				1.76	
						RPD = 0.96	

Reagents:

21-54w/IS@2.0_00009 Amount Added: 1.00 Units: mL

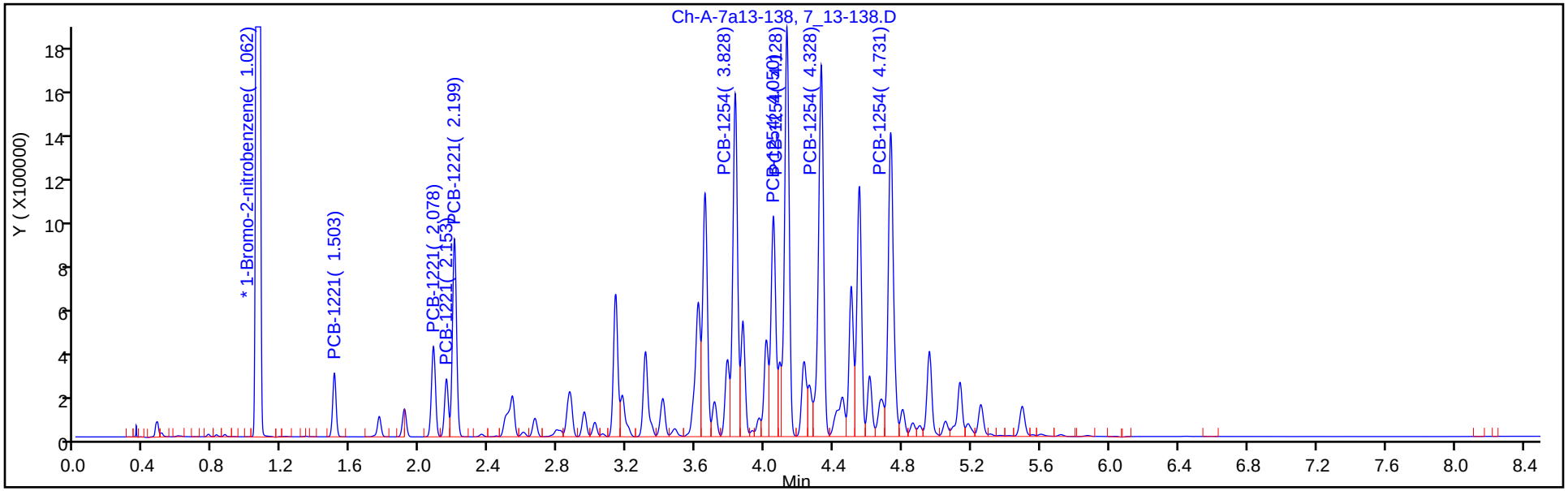
Report Date: 08-May-2018 12:39:36 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

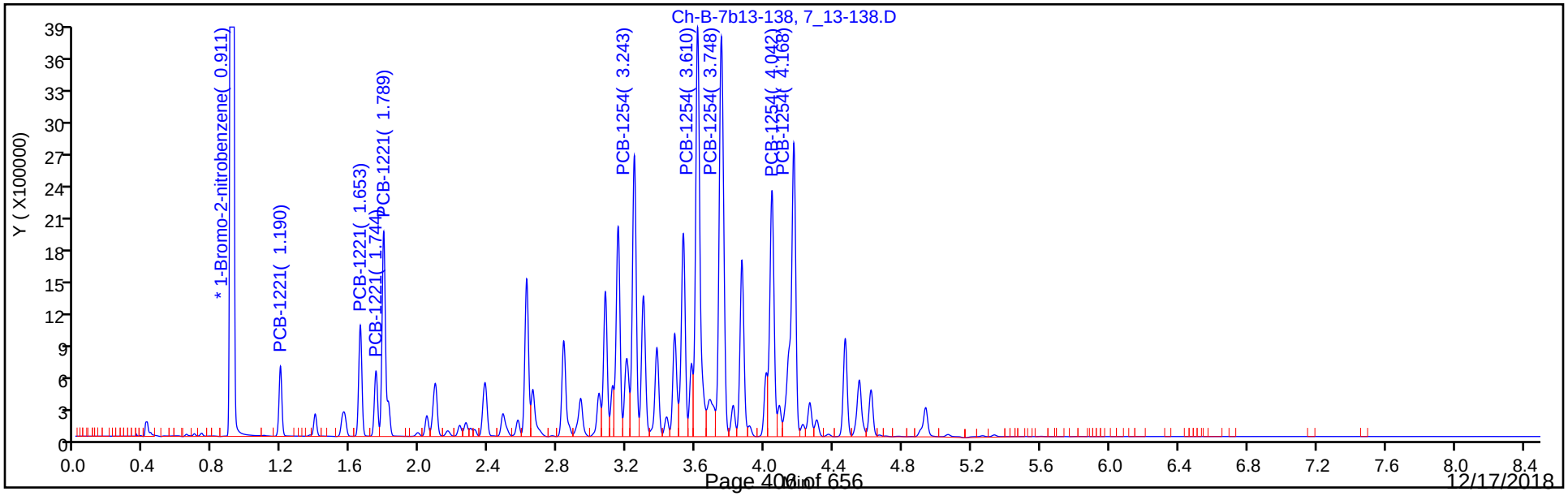
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-138.D

Injection Date:	07-May-2018 17:37:51	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	16
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-139.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 07-May-2018 17:53:53 ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-May-2018 12:39:39 Calib Date: 07-May-2018 21:20:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-152.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: salversonj Date: 08-May-2018 11:45:28

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	1.063	1.063	0.000	11491140	0.5000	0.5000	
2	0.911	0.913	-0.001	25655121	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1221							
1	1.503	1.496	0.007	114841	0.5000	0.5519	
1	2.080	2.078	0.002	175609	0.5000	0.4351	
1	2.154	2.153	0.002	104101	0.5000	0.5683	
1	2.200	2.198	0.002	377103	0.5000	0.5716	
		Average of Peak Amounts =				0.5317	
2	1.191	1.192	-0.001	216194	0.5000	0.5903	
2	1.653	1.653	0.000	341088	0.5000	0.5597	
2	1.744	1.744	0.000	183061	0.5000	0.4345	
2	1.788	1.818	-0.030	675193	0.5000	0.4658	
		Average of Peak Amounts =				0.5126	
						RPD = 3.68	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1254							
1	3.828	3.830	-0.002	685908	0.5000	0.5398	
1	4.049	4.048	0.001	478063	0.5000	0.4913	
1	4.129	4.128	0.001	861146	0.5000	0.4866	
1	4.328	4.326	0.002	886106	0.5000	0.5006	
1	4.732	4.730	0.002	654960	0.5000	0.5162	
		Average of Peak Amounts =				0.5069	
2	3.243	3.243	-0.001	1082599	0.5000	0.5781	
2	3.610	3.611	-0.001	1775077	0.5000	0.4913	
2	3.748	3.748	0.000	1776861	0.5000	0.4899	
2	4.042	4.041	0.001	1035273	0.5000	0.4992	
2	4.168	4.168	0.000	1386359	0.5000	0.5448	
		Average of Peak Amounts =				0.5207	
						RPD = 2.68	

Reagents:

21-54w/IS@0.5_00021 Amount Added: 1.00 Units: mL

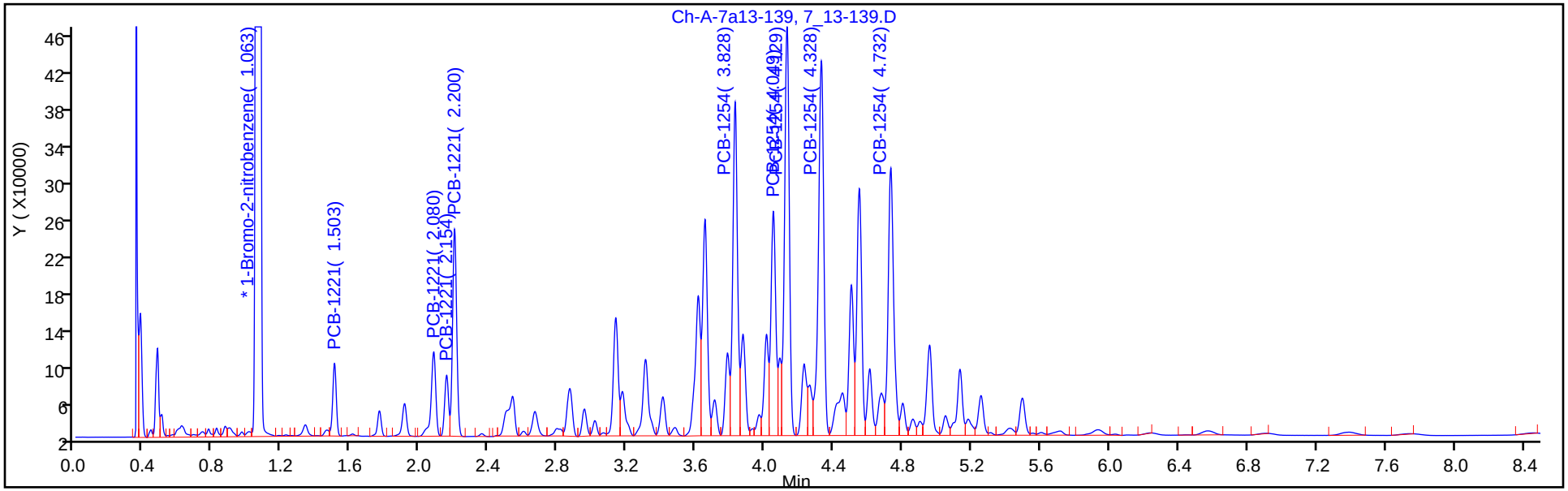
Report Date: 08-May-2018 12:39:40 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

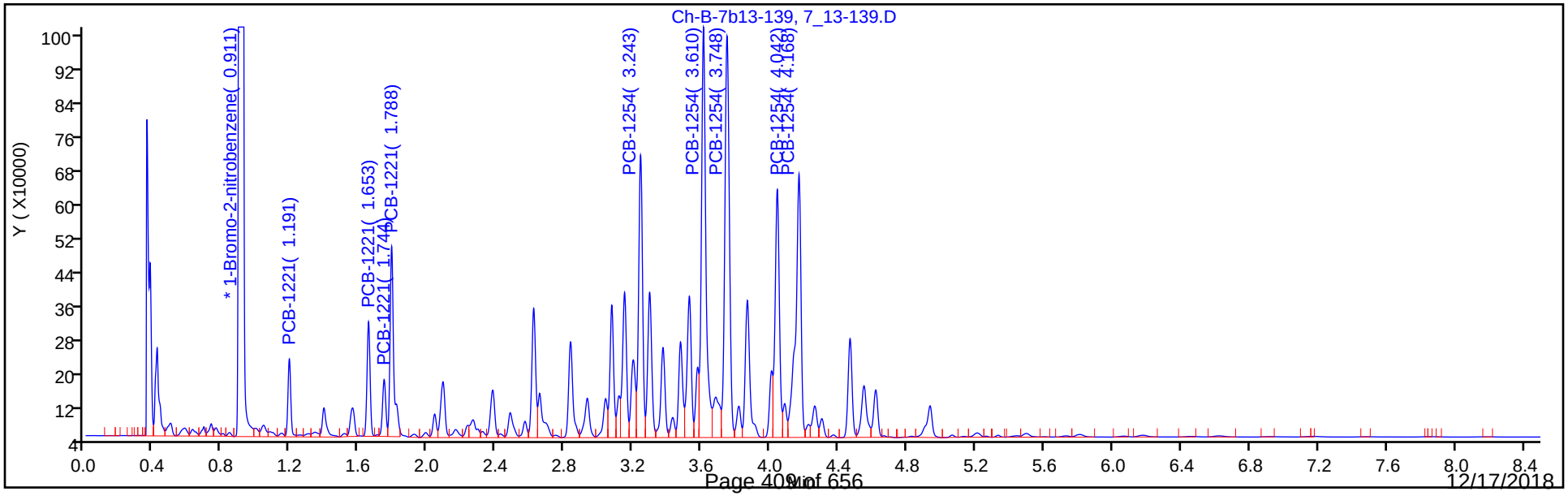
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-139.D

Injection Date:	07-May-2018 17:53:53	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	17
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-140.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 07-May-2018 18:09:43 ALS Bottle#: 0 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-May-2018 12:39:42 Calib Date: 07-May-2018 21:20:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-152.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

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	1.061	1.061	0.000	11276538	0.5000	0.5000	
2	0.911	0.911	0.000	24029511	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1221							
1	1.496	1.496	0.000	33297	0.0200	0.0184	
1	0.000	2.078	-2.078	0	0.0200	0	
1	2.153	2.153	0.000	11740	0.0200	0.0179	
1	2.198	2.198	0.000	28687	0.0200	0.0178	
		Average of Peak Amounts =				0.0181	
2	1.192	1.192	0.000	25509	0.0200	0.0173	
2	1.653	1.653	0.000	19908	0.0200	0.0182	
2	1.744	1.744	0.000	49830	0.0200	0.0220	
2	1.818	1.818	0.000	145263	0.0200	0.0210	
		Average of Peak Amounts =				0.0196	
						RPD = 8.27	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1254							
1	3.830	3.830	0.000	41999	0.0200	0.0188	
1	4.048	4.048	0.000	22595	0.0200	0.0237	
1	4.128	4.128	0.000	41865	0.0200	0.0241	
1	4.326	4.326	0.000	41038	0.0200	0.0236	
1	4.730	4.730	0.000	55626	0.0200	0.0195	
		Average of Peak Amounts =				0.0219	
2	3.243	3.243	0.000	50870	0.0200	0.0176	
2	3.611	3.611	0.000	81182	0.0200	0.0240	
2	3.748	3.748	0.000	81577	0.0200	0.0240	
2	4.041	4.041	0.000	45663	0.0200	0.0235	
2	4.168	4.168	0.000	80972	0.0200	0.0186	
		Average of Peak Amounts =				0.0216	
						RPD = 1.76	

Reagents:

21-54w/IS@.02_00008 Amount Added: 1.00 Units: mL

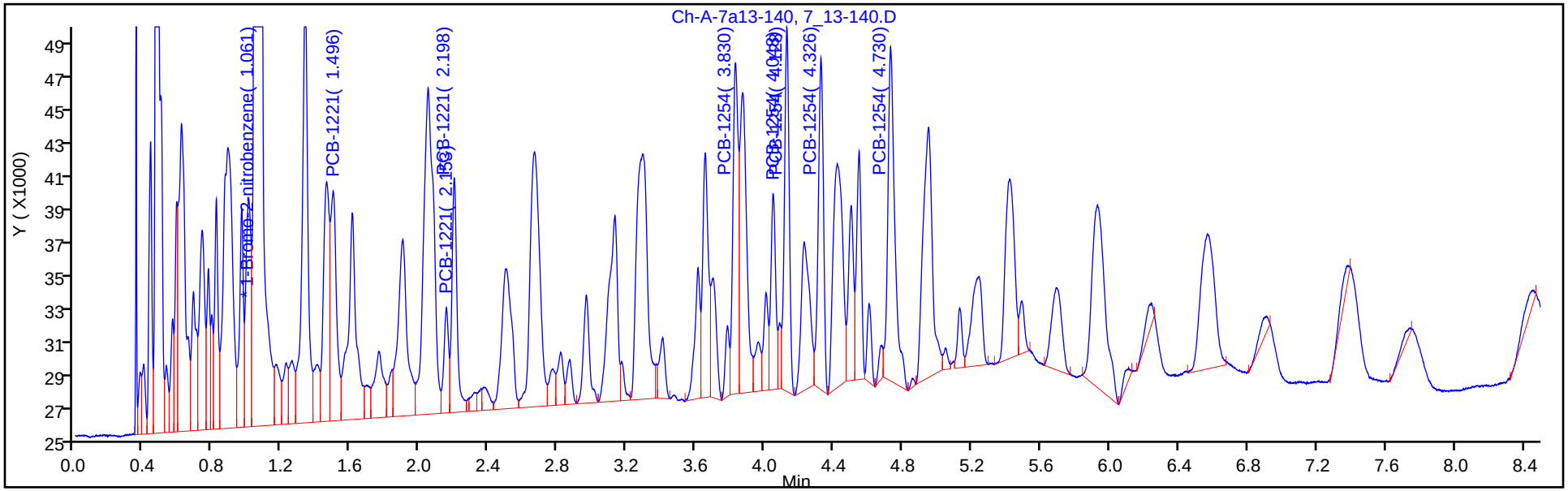
Report Date: 08-May-2018 12:39:42 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

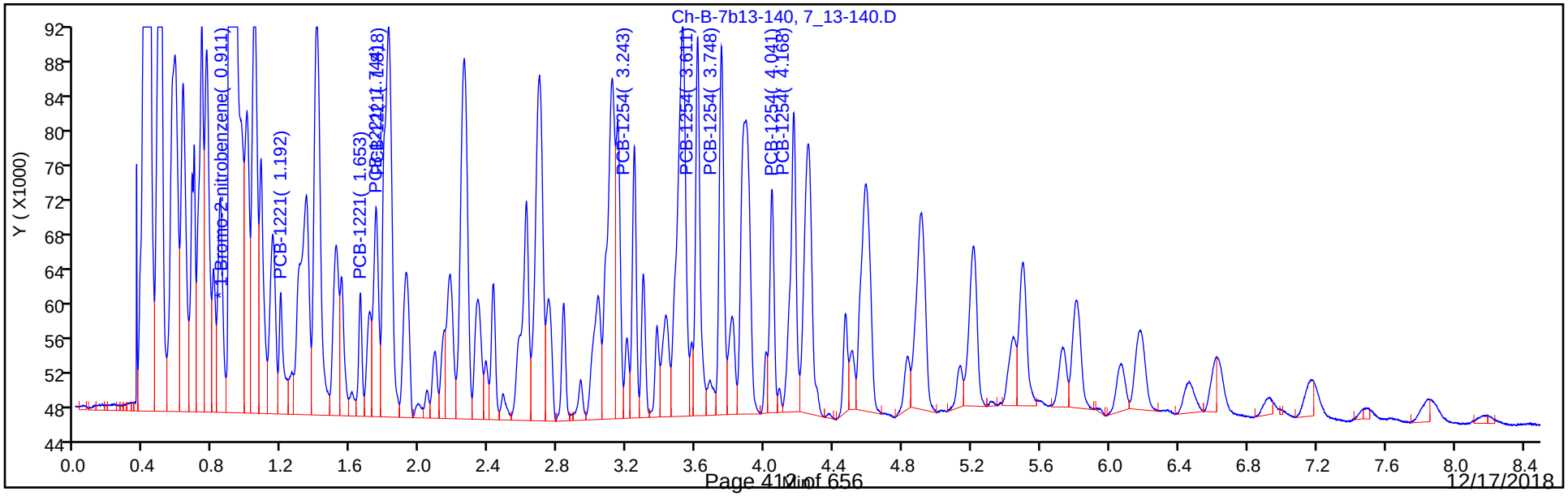
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-140.D

Injection Date:	07-May-2018 18:09:43	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 1			Worklist Smp#:	18
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1 Analy Batch No.: 413004

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2018 18:41 Calibration End Date: 05/07/2018 19:13 Calibration ID: 33771

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-413004/22	7_13-144.D
Level 2	IC 480-413004/21	7_13-143.D
Level 3	IC 480-413004/20	7_13-142.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	0.0574	0.0259	0.0220			Lin1	0.0007	0.0222							0.9970		0.9900
PCB-1232 Peak 2	0.1492	0.0162	0.0117			Lin1	0.0028	0.0104							1.0000		0.9900
PCB-1232 Peak 3	0.0645	0.0454	0.0399			Lin1	0.0005	0.0405							0.9980		0.9900
PCB-1232 Peak 4	0.0514	0.0179	0.0151			Lin1	0.0007	0.0151							0.9980		0.9900
PCB-1232 Peak 5	0.0183	0.0124	0.0104			Lin1	0.0002	0.0107							0.9950		0.9900
PCB-1262 Peak 1	0.0658	0.0450	0.0357			Lin1	0.0007	0.0370							0.9910		0.9900
PCB-1262 Peak 2	0.0966	0.0485	0.0400			Lin1	0.0012	0.0407							0.9950		0.9900
PCB-1262 Peak 3	0.1180	0.0425	0.0355			Lin1	0.0017	0.0355							0.9970		0.9900
PCB-1262 Peak 4	0.1027	0.0699	0.0524			Qua	0.0006	0.0744	-0.011137						1.0000		0.9900
PCB-1262 Peak 5	0.0943	0.0529	0.0393			Lin	0.0039	0.0378							0.9930		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.: 480-145287-1 Analy Batch No.: 413004

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2018 18:41 Calibration End Date: 05/07/2018 19:13 Calibration ID: 33771

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-413004/22	7_13-144.D
Level 2	IC 480-413004/21	7_13-143.D
Level 3	IC 480-413004/20	7_13-142.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	25452	282305	1151360			0.0200	0.500	2.00		
PCB-1232 Peak 2	BNB	Lin1	66178	176259	614165			0.0200	0.500	2.00		
PCB-1232 Peak 3	BNB	Lin1	28599	494234	2086823			0.0200	0.500	2.00		
PCB-1232 Peak 4	BNB	Lin1	22790	194501	791581			0.0200	0.500	2.00		
PCB-1232 Peak 5	BNB	Lin1	8129	135136	545109			0.0200	0.500	2.00		
PCB-1262 Peak 1	BNB	Lin1	29216	489919	1869735			0.0200	0.500	2.00		
PCB-1262 Peak 2	BNB	Lin1	42847	527331	2092587			0.0200	0.500	2.00		
PCB-1262 Peak 3	BNB	Lin1	52366	462445	1858906			0.0200	0.500	2.00		
PCB-1262 Peak 4	BNB	Qua	45581	761040	2742348			0.0200	0.500	2.00		
PCB-1262 Peak 5	BNB	Lin	41851	575365	2059845			0.0200	0.500	2.00		

Curve Type Legend:

Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD
Qua = Quadratic ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-142.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 07-May-2018 18:41:35 ALS Bottle#: 0 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub8

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-May-2018 12:39:50 Calib Date: 07-May-2018 21:20:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-152.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: salversonj Date: 08-May-2018 06:56:06

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							M
1	1.062	1.061	0.001	13089286	0.5000	0.5000	M
2	0.911	0.911	0.000	29247513	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1232							M
1	2.199	2.199	0.000	1151360	2.00	1.95	M
1	2.667	2.666	0.001	614165	2.00	1.99	M
1	2.868	2.868	0.000	2086823	2.00	1.95	M
1	2.953	2.958	-0.006	791581	2.00	1.96	M
1	3.013	3.013	0.000	545109	2.00	1.94	M
		Average of Peak Amounts =				1.96	
2	1.790	1.818	-0.028	2358345	2.00	2.01	
2	2.083	2.083	0.000	2148773	2.00	1.94	
2	2.378	2.380	-0.002	4182849	2.00	1.83	
2	2.481	2.482	-0.001	1641464	2.00	1.70	
2	2.835	2.834	0.001	1830381	2.00	1.95	
		Average of Peak Amounts =				1.89	
						RPD = 3.73	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1262							M
1	4.319	4.320	-0.001	1869735	2.00	1.91	M
1	4.503	4.501	0.001	2092587	2.00	1.94	M
1	4.729	4.731	-0.002	1858906	2.00	1.95	M
1	4.859	4.858	0.001	2742348	2.00	2.00	M
1	5.049	5.049	0.000	2059845	2.00	1.98	M
		Average of Peak Amounts =				1.96	
2	3.756	3.755	0.001	3692678	2.00	1.93	
2	4.471	4.471	0.000	4655696	2.00	1.93	
2	4.616	4.615	0.001	9833053	2.00	1.99	
2	4.904	4.904	0.000	4104364	2.00	2.01	
2	4.938	4.936	0.002	6087093	2.00	1.94	
		Average of Peak Amounts =				1.96	
						RPD = 0.27	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

32-62w/IS@2.0_00008 Amount Added: 1.00 Units: mL

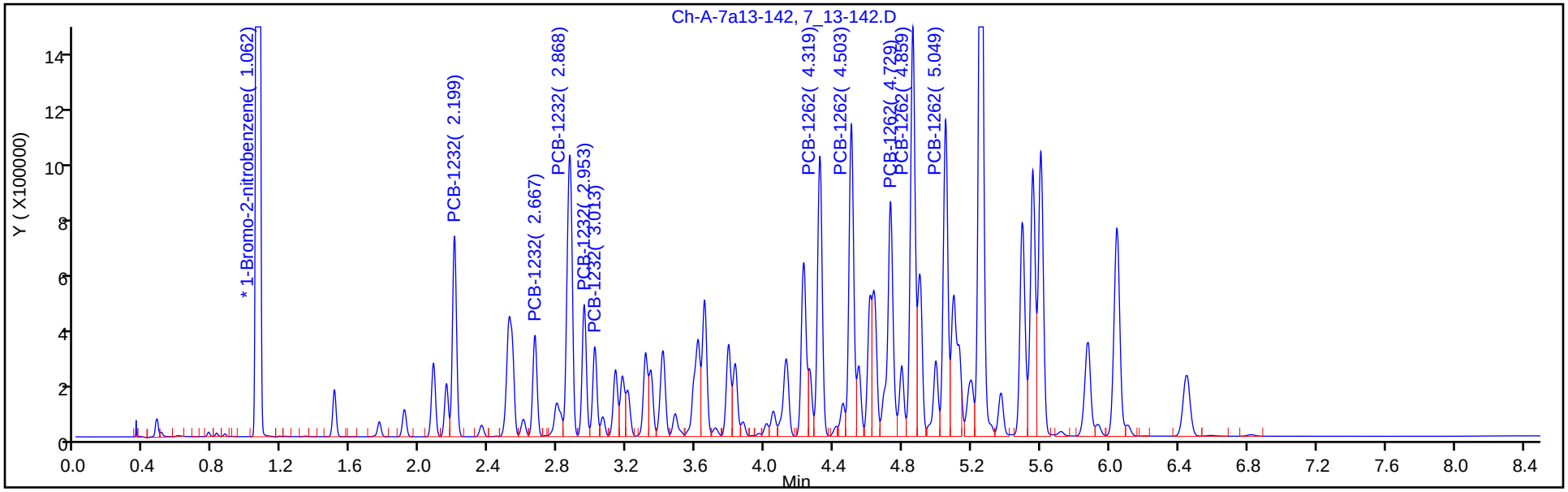
Report Date: 08-May-2018 12:39:50 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

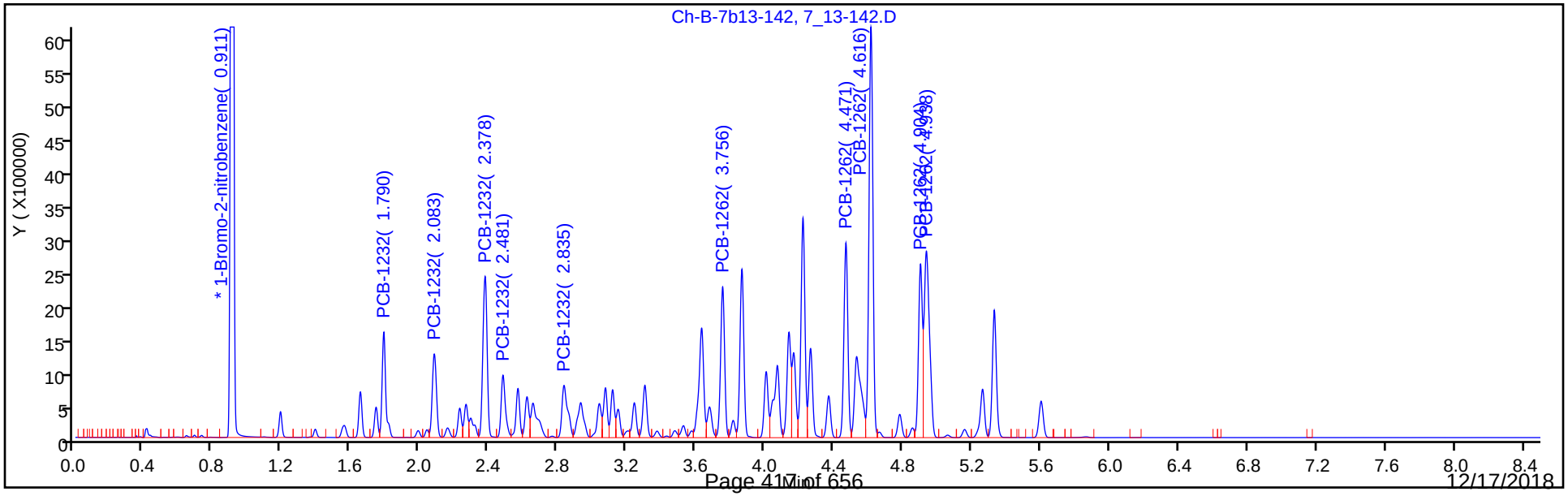
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-142.D

Injection Date:	07-May-2018 18:41:35	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	20
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

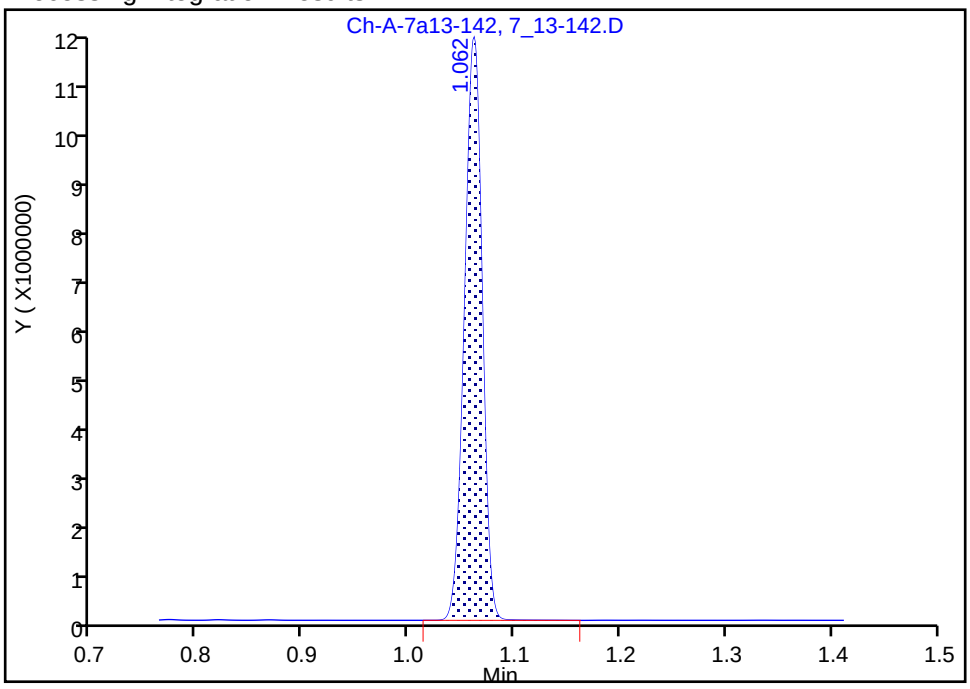
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-142.D
Injection Date: 07-May-2018 18:41:35 Instrument ID: HP6890-7
Lims ID: IC 3
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

* 1 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

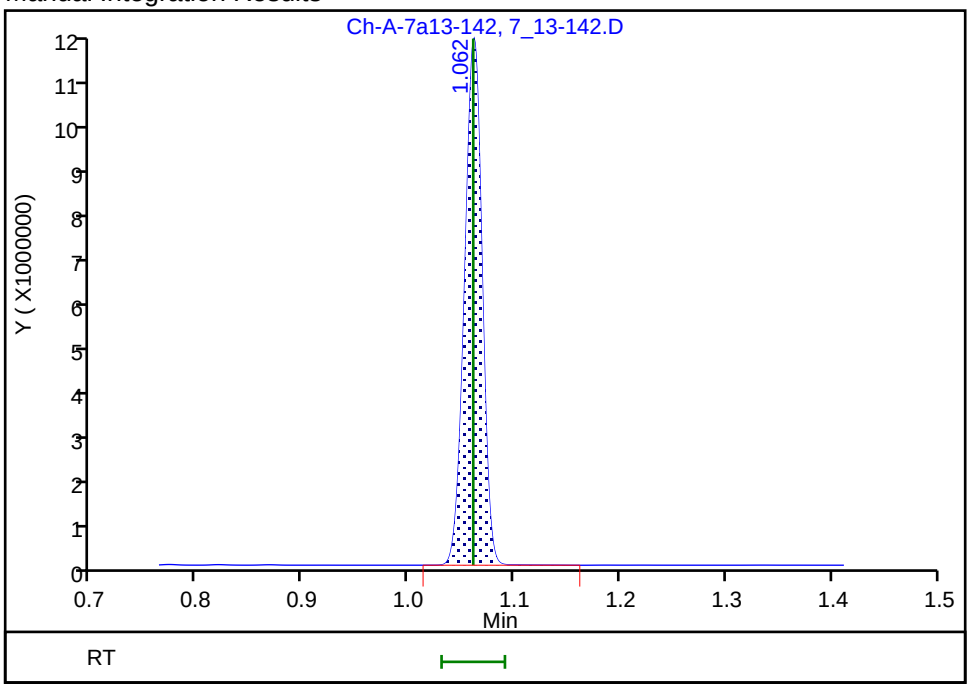
Processing Integration Results

RT: 1.06
Area: 13090318
Amount: 0.500000
Amount Units: ng/uL



Manual Integration Results

RT: 1.06
Area: 13089286
Amount: 0.500000
Amount Units: ng/uL



Reviewer: salversonj, 08-May-2018 12:24:07
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Report Date: 08-May-2018 12:39:50 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-142.D

Injection Date: 07-May-2018 18:41:35 Instrument ID: HP6890-7

Lims ID: IC 3

Client ID:

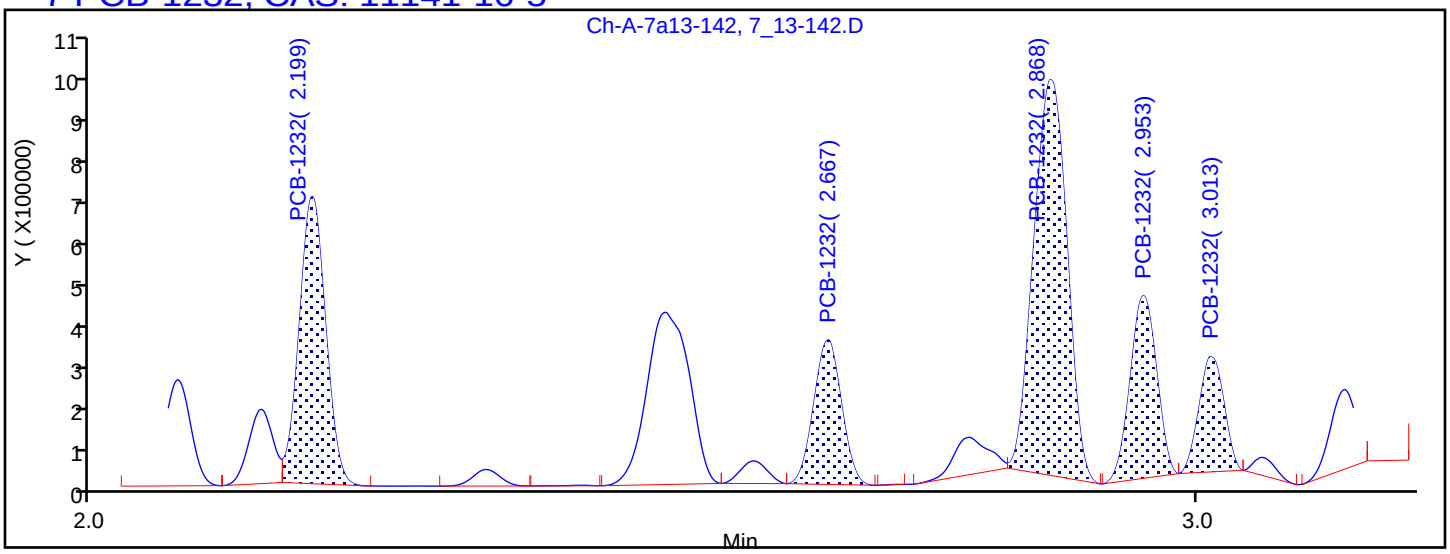
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 20

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

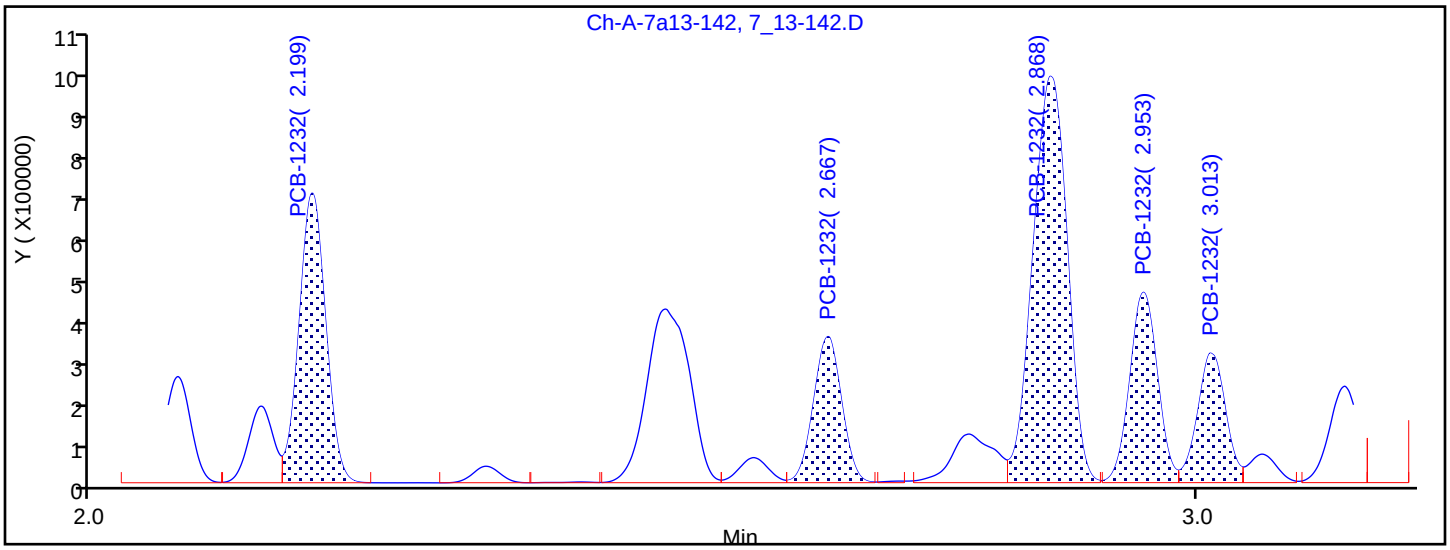
Column: Detector Ch-A-7A136

7 PCB-1232, CAS: 11141-16-5



Processing Integration Results

2.199	Response = 1131807
2.667	Response = 597324
2.868	Response = 1967653
2.953	Response = 721043
3.013	Response = 428853



Manual Integration Results

2.199	Response = 1151360	M
2.667	Response = 614165	M
2.868	Response = 2086823	M
2.953	Response = 791581	M
3.013	Response = 545109	M

Reviewer: salversonj, 08-May-2018 12:24:07

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

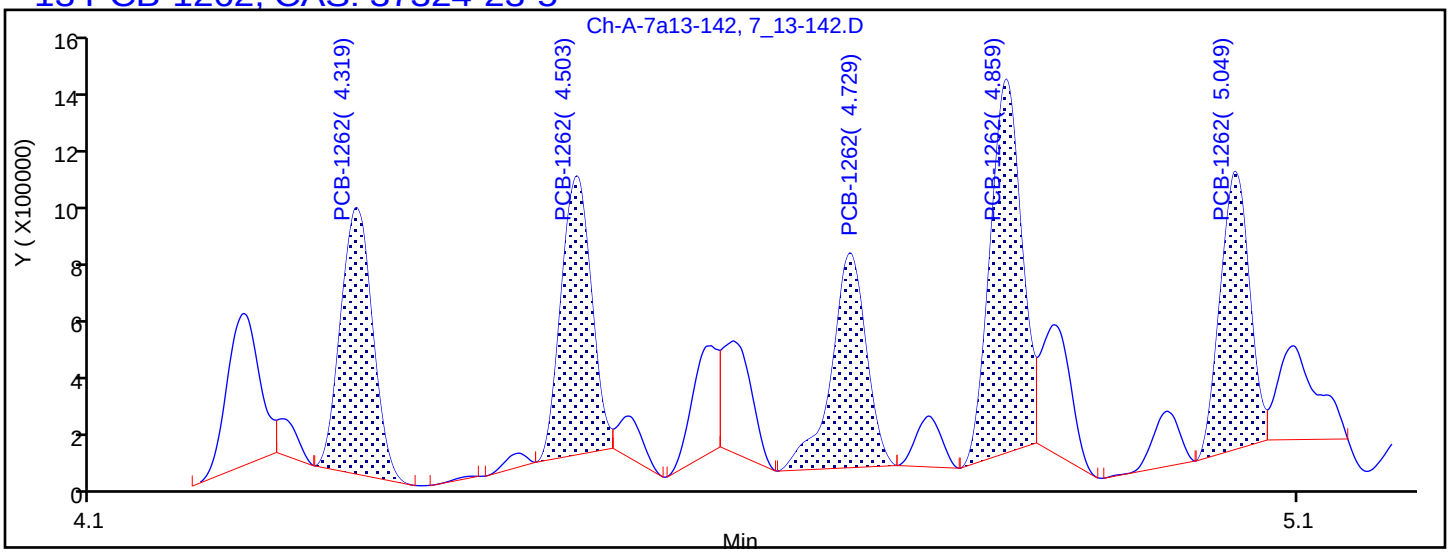
Report Date: 08-May-2018 12:39:51 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-142.D

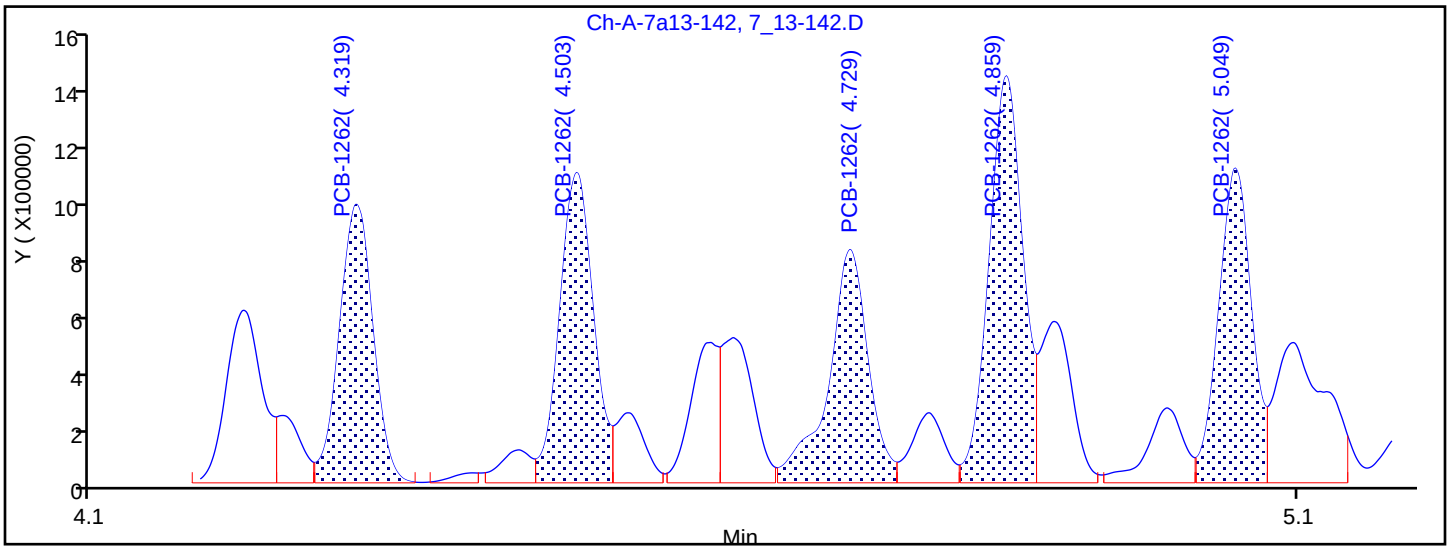
Injection Date:	07-May-2018 18:41:35	Instrument ID:	HP6890-7		
Lims ID:	IC 3				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

13 PCB-1262, CAS: 37324-23-5



Processing Integration Results

4.319	Response = 1691195
4.503	Response = 1682135
4.729	Response = 1493213
4.859	Response = 2341639
5.049	Response = 1623566



Manual Integration Results

4.319	Response = 1869735	M
4.503	Response = 2092587	M
4.729	Response = 1858906	M
4.859	Response = 2742348	M
5.049	Response = 2059845	M

Reviewer: salversonj, 08-May-2018 12:24:07

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-143.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 07-May-2018 18:57:37 ALS Bottle#: 0 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub8

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-May-2018 12:39:53 Calib Date: 07-May-2018 21:20:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-152.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: salversonj Date: 08-May-2018 12:02:17

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	1.062	1.061	0.001	10881150	0.5000	0.5000	M
2	0.911	0.911	0.000	23484144	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1232							M
1	2.200	2.199	0.001	282305	0.5000	0.5516	M
1	2.668	2.666	0.002	176259	0.5000	0.5116	M
1	2.870	2.868	0.002	494234	0.5000	0.5473	M
1	2.953	2.958	-0.006	194501	0.5000	0.5437	M
1	3.015	3.013	0.002	135136	0.5000	0.5659	M
		Average of Peak Amounts =				0.5440	
2	1.788	1.818	-0.030	558623	0.5000	0.4932	
2	2.083	2.083	0.000	513308	0.5000	0.5654	
2	2.379	2.380	-0.001	781850	0.5000	0.4271	
2	2.481	2.482	-0.001	381324	0.5000	0.4921	
2	2.835	2.834	0.001	422764	0.5000	0.5522	
		Average of Peak Amounts =				0.5060	
						RPD = 7.24	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1262							M
1	4.319	4.320	-0.001	489919	0.5000	0.5903	M
1	4.503	4.501	0.002	527331	0.5000	0.5663	M
1	4.728	4.731	-0.003	462445	0.5000	0.5503	M
1	4.858	4.858	0.000	761040	0.5000	0.5000	M
1	5.049	5.049	0.000	575365	0.5000	0.5961	M
		Average of Peak Amounts =				0.5606	
2	3.756	3.755	0.001	895262	0.5000	0.5741	
2	4.471	4.471	0.000	1137312	0.5000	0.5760	
2	4.617	4.615	0.002	2094929	0.5000	0.5066	
2	4.904	4.904	0.000	858702	0.5000	0.4883	
2	4.938	4.936	0.002	1429757	0.5000	0.5583	
		Average of Peak Amounts =				0.5406	
						RPD = 3.62	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

32-62w/IS@0.5_00021 Amount Added: 1.00 Units: mL

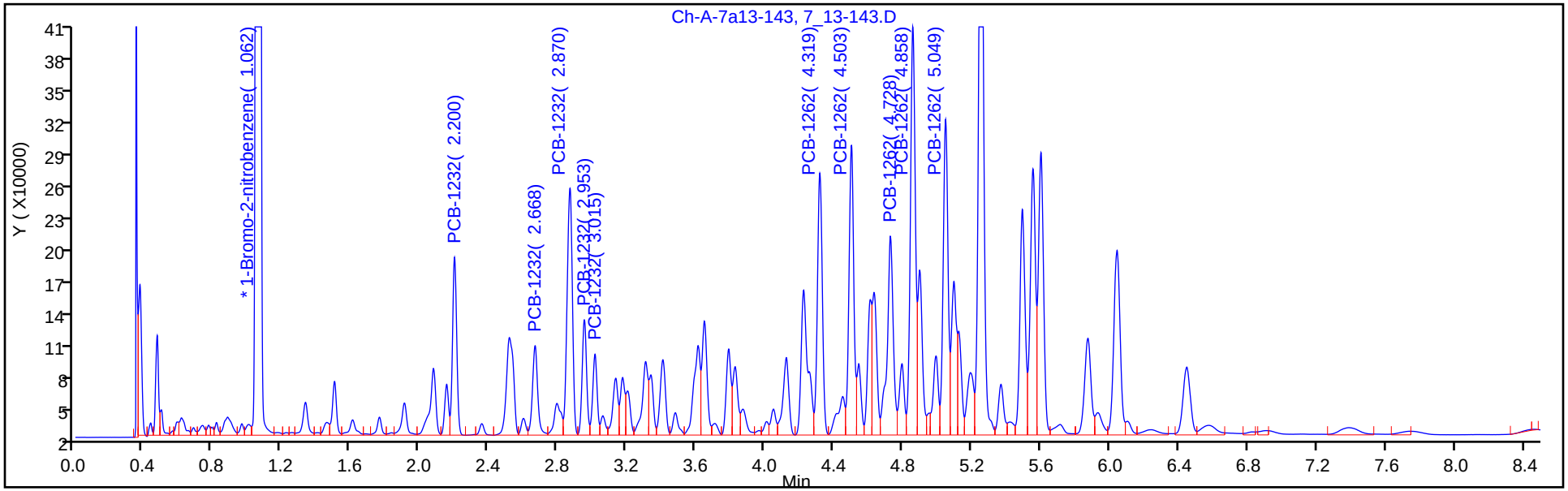
Report Date: 08-May-2018 12:39:54 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

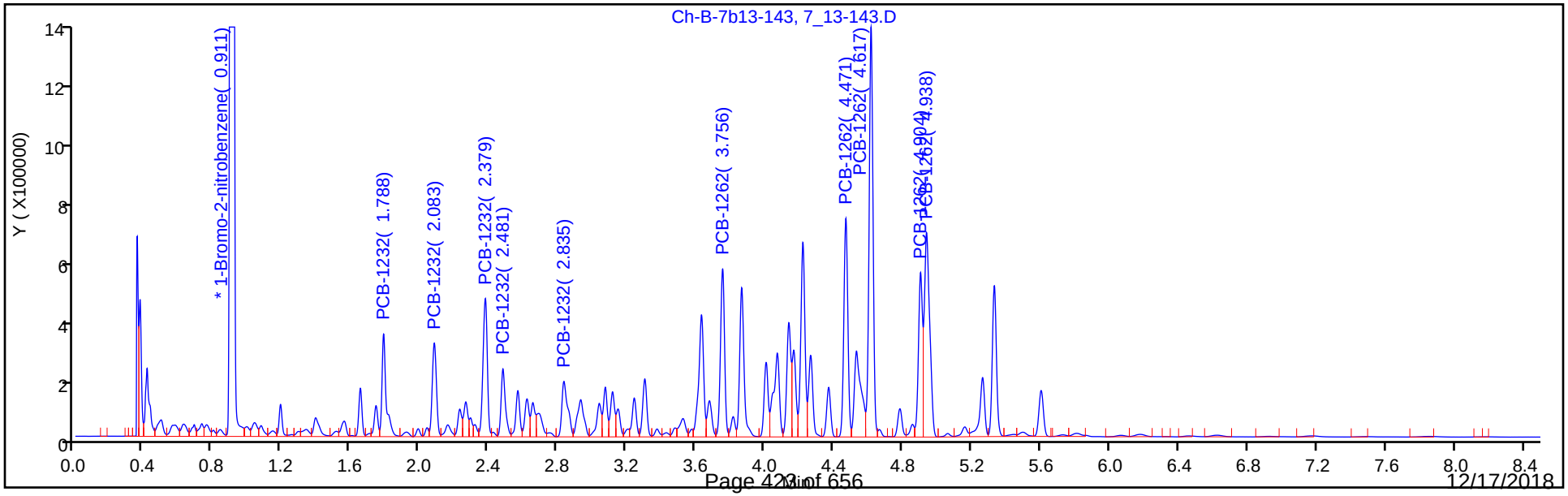
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-143.D

Injection Date:	07-May-2018 18:57:37	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	21
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

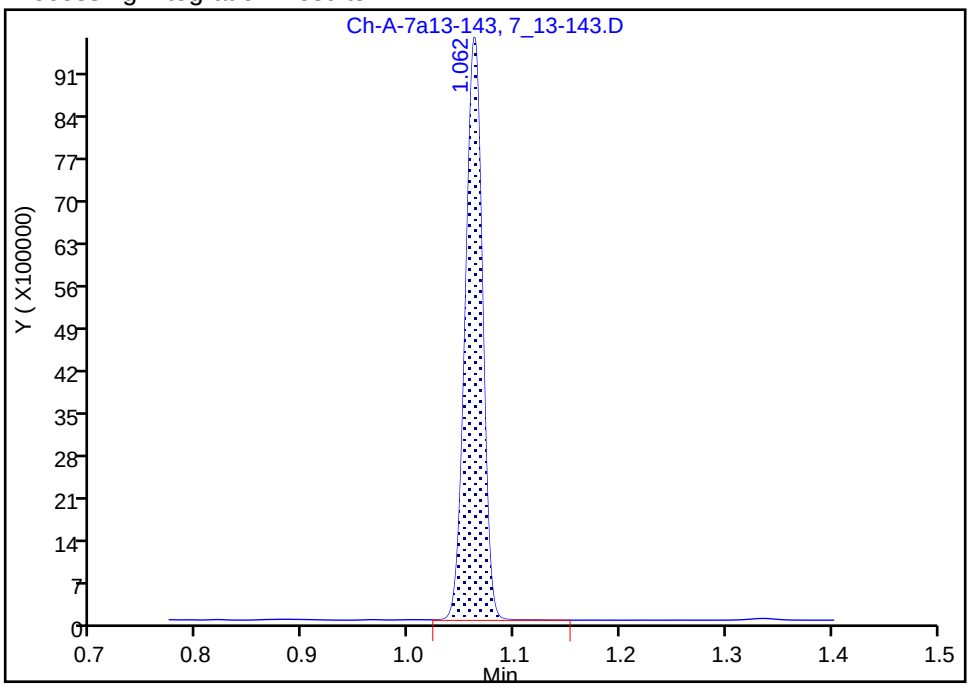
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-143.D
Injection Date: 07-May-2018 18:57:37 Instrument ID: HP6890-7
Lims ID: IC 2
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

* 1 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

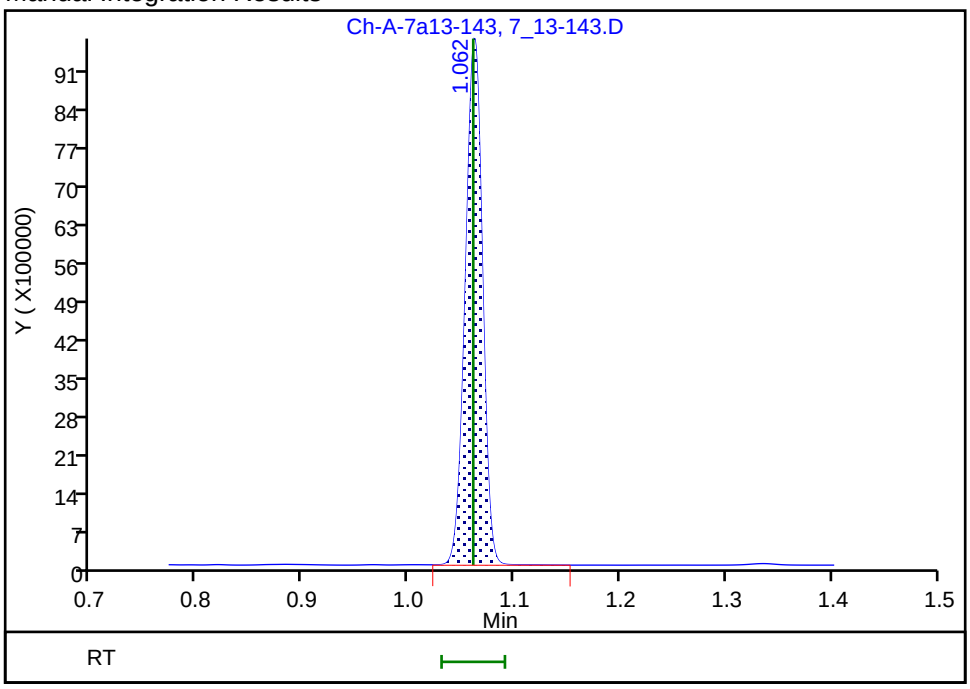
Processing Integration Results

RT: 1.06
Area: 10892920
Amount: 0.500000
Amount Units: ng/uL



Manual Integration Results

RT: 1.06
Area: 10881150
Amount: 0.500000
Amount Units: ng/uL



Reviewer: salversonj, 08-May-2018 12:24:30
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Report Date: 08-May-2018 12:39:54 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-143.D

Injection Date: 07-May-2018 18:57:37 Instrument ID: HP6890-7

Lims ID: IC 2

Client ID:

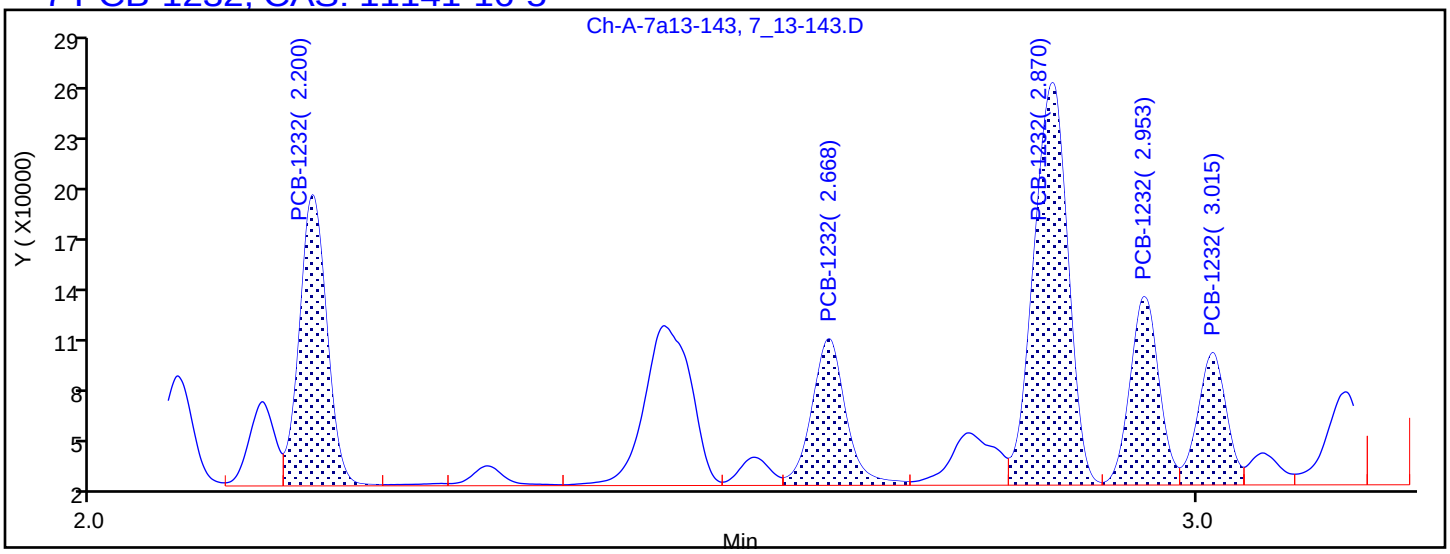
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 21

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

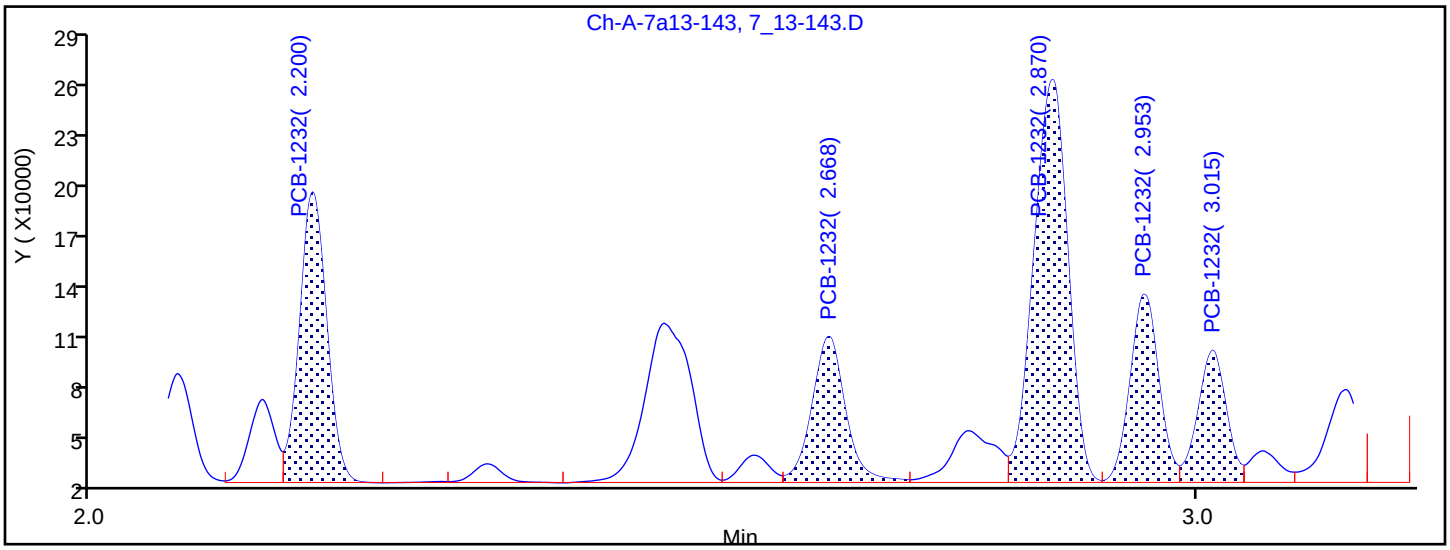
Column: Detector Ch-A-7A136

7 PCB-1232, CAS: 11141-16-5



Processing Integration Results

2.200	Response = 286730
2.668	Response = 179954
2.870	Response = 496376
2.953	Response = 196067
3.015	Response = 136305



Manual Integration Results

2.200	Response = 282305	M
2.668	Response = 176259	M
2.870	Response = 494234	M
2.953	Response = 194501	M
3.015	Response = 135136	M

Reviewer: salversonj, 08-May-2018 12:24:30

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Report Date: 08-May-2018 12:39:54 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-143.D

Injection Date: 07-May-2018 18:57:37 Instrument ID: HP6890-7

Lims ID: IC 2

Client ID:

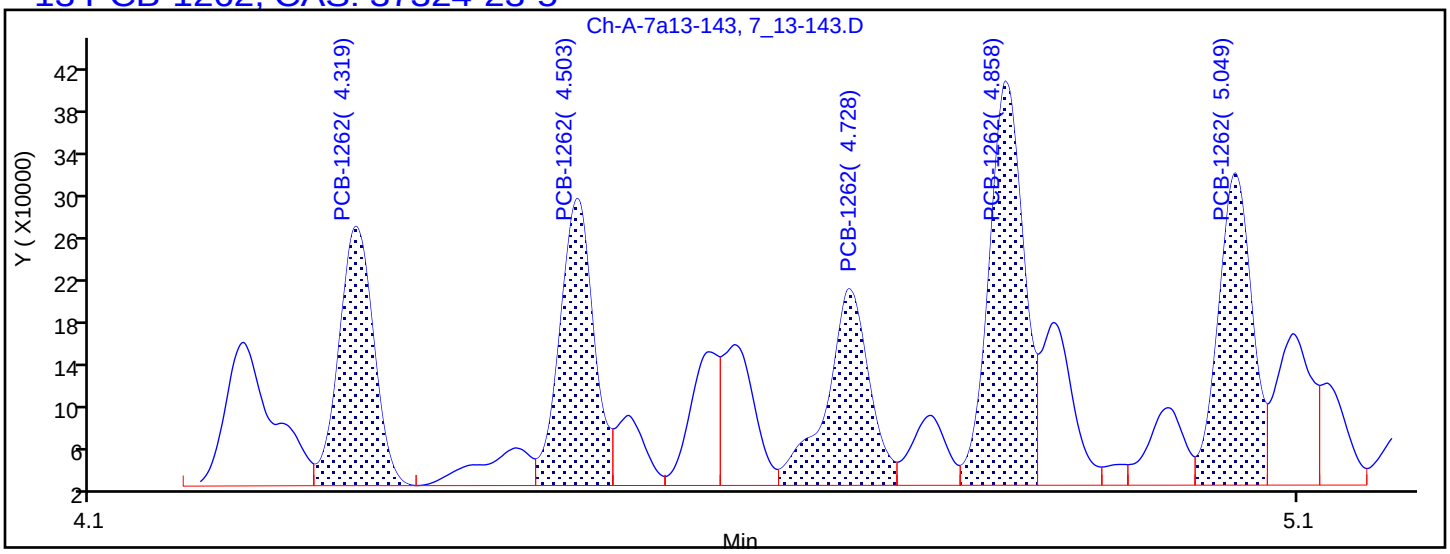
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 21

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

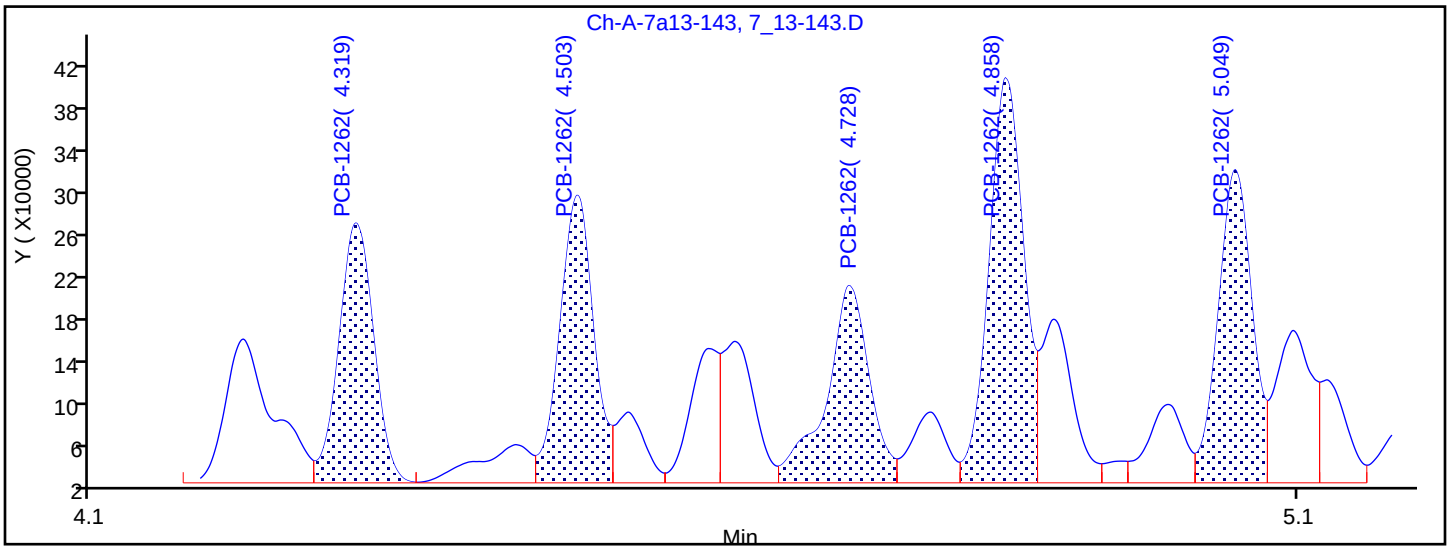
Column: Detector Ch-A-7A136

13 PCB-1262, CAS: 37324-23-5



Processing Integration Results

4.319	Response = 487537
4.503	Response = 525126
4.728	Response = 458280
4.858	Response = 758006
5.049	Response = 572105



Manual Integration Results

4.319	Response = 489919	M
4.503	Response = 527331	M
4.728	Response = 462445	M
4.858	Response = 761040	M
5.049	Response = 575365	M

Reviewer: salversonj, 08-May-2018 12:24:30

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-144.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 07-May-2018 19:13:27 ALS Bottle#: 0 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub8

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-May-2018 12:39:57 Calib Date: 07-May-2018 21:20:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-152.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: salversonj Date: 08-May-2018 06:56:46

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							M
1	1.063	1.063	0.000	11092103	0.5000	0.5000	M
2	0.912	0.912	0.000	23753414	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1232							M
1	2.199	2.199	0.000	25452	0.0200	0.0184	M
1	2.666	2.666	0.000	66178	0.0200	0.0196	M
1	2.868	2.868	0.000	28599	0.0200	0.0186	M
1	2.958	2.958	0.000	22790	0.0200	0.0187	M
1	3.013	3.013	0.000	8129	0.0200	0.0180	M
		Average of Peak Amounts =				0.0187	
2	1.818	1.818	0.000	142984	0.0200	0.0202	
2	2.083	2.083	0.000	29747	0.0200	0.0180	
2	2.380	2.380	0.000	45487	0.0200	0.0246	
2	2.482	2.482	0.000	18269	0.0200	0.0233	
2	2.834	2.834	0.000	23005	0.0200	0.0184	
		Average of Peak Amounts =				0.0209	
						RPD = 11.31	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1262							M
1	4.320	4.320	0.000	29216	0.0200	0.0173	M
1	4.501	4.501	0.000	42847	0.0200	0.0180	M
1	4.731	4.731	0.000	52366	0.0200	0.0185	M
1	4.858	4.858	0.000	45581	0.0200	0.0200	M
1	5.049	5.049	0.000	41851	0.0200	-0.0528	M
		Average of Peak Amounts =				0.004193	
2	3.755	3.755	0.000	45457	0.0200	0.0178	
2	4.471	4.471	0.000	62533	0.0200	0.0177	
2	4.615	4.615	0.000	198495	0.0200	0.0198	
2	4.904	4.904	0.000	111183	0.0200	0.0204	
2	4.936	4.936	0.000	82697	0.0200	0.0182	
		Average of Peak Amounts =				0.0188	
						RPD = 126.95	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

32-62w/IS@.02_00008 Amount Added: 1.00 Units: mL

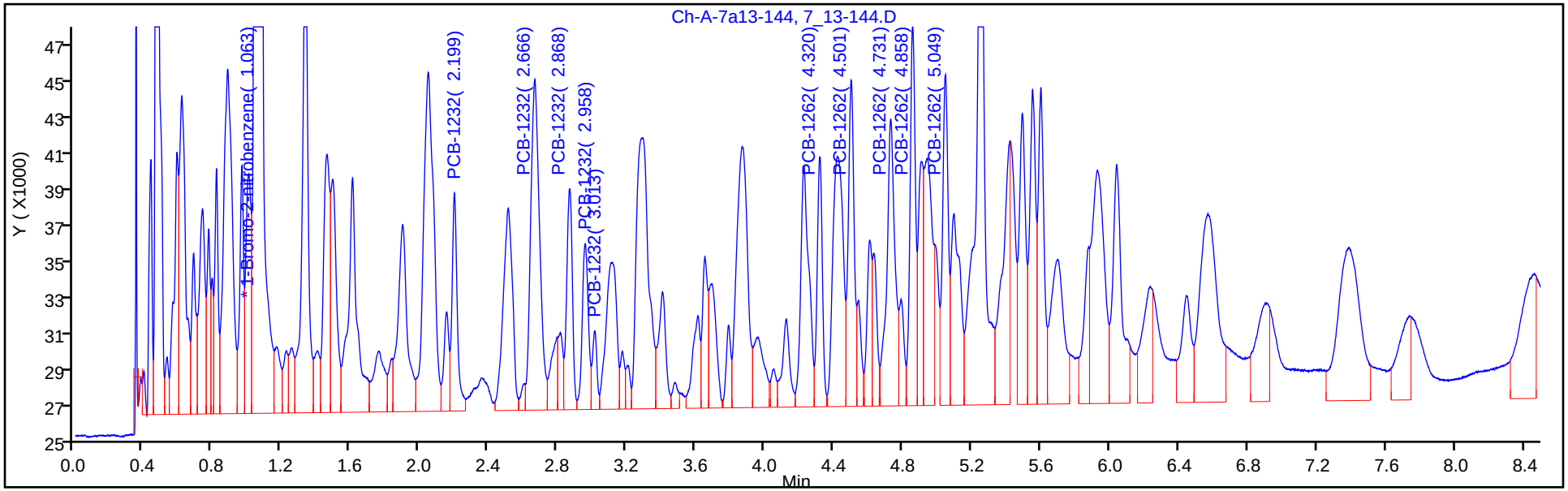
Report Date: 08-May-2018 12:39:57 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

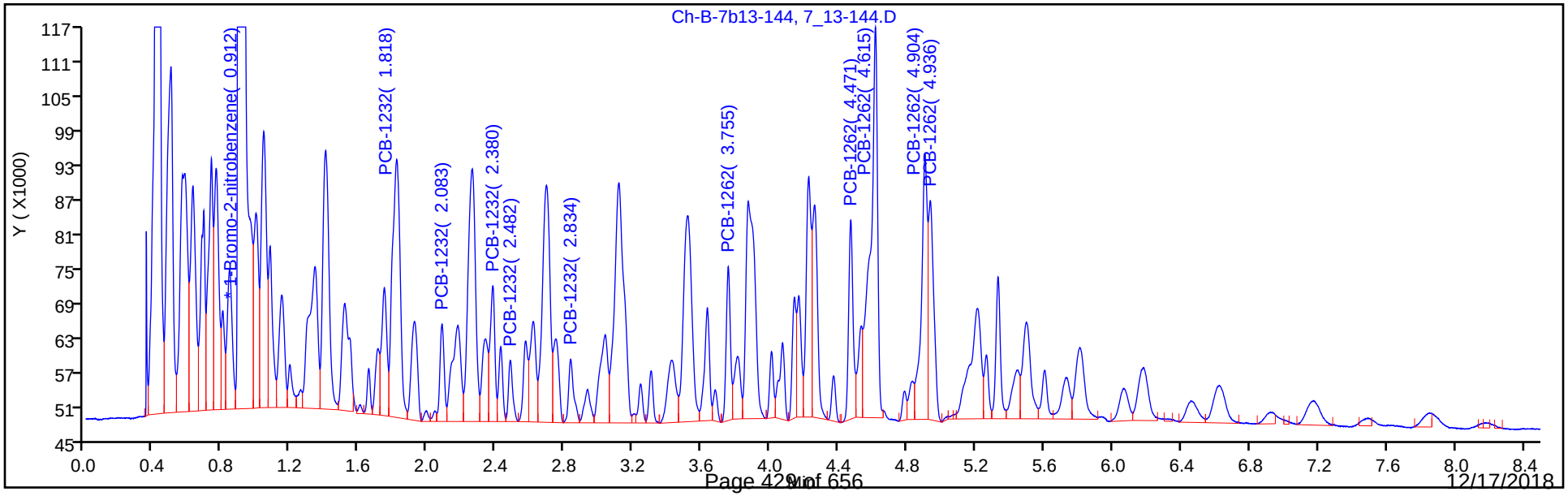
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-144.D

Injection Date:	07-May-2018 19:13:27	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 1			Worklist Smp#:	22
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

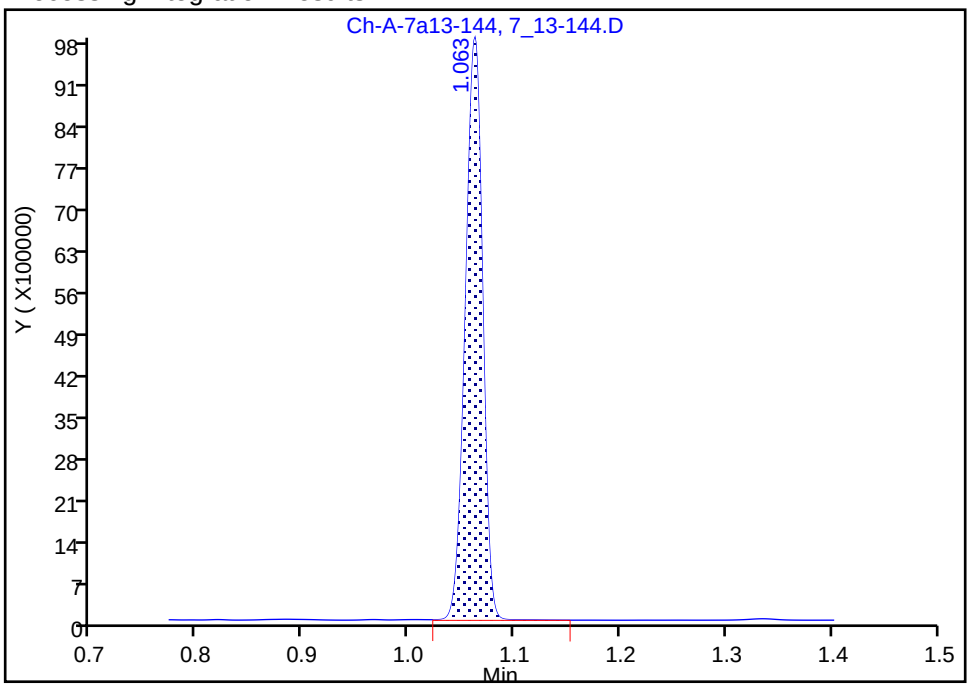
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-144.D
Injection Date: 07-May-2018 19:13:27 Instrument ID: HP6890-7
Lims ID: IC 1
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

* 1 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

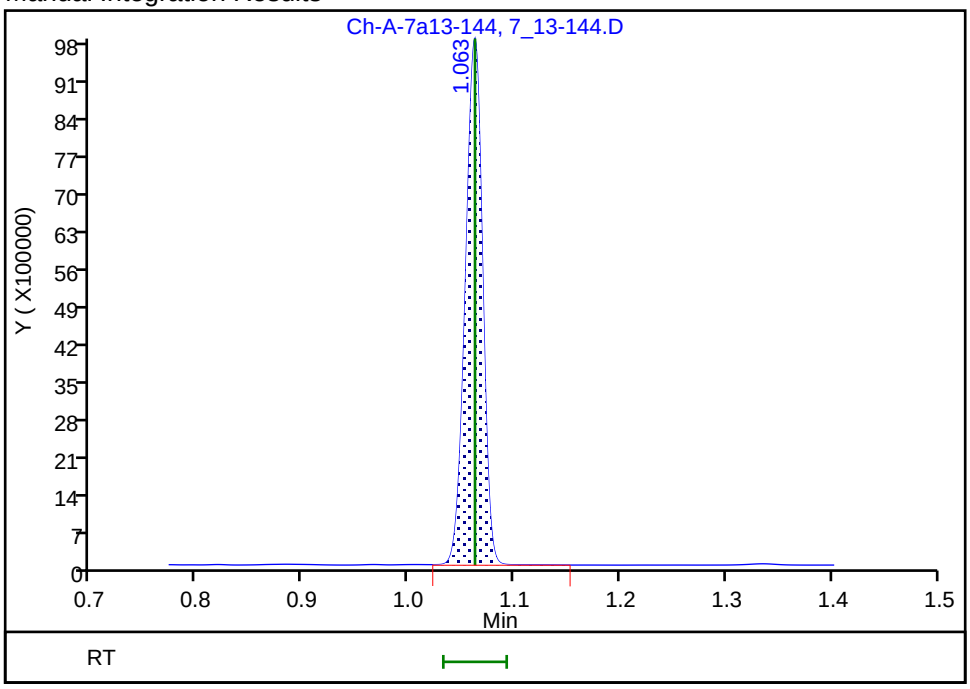
Processing Integration Results

RT: 1.06
Area: 11092633
Amount: 0.500000
Amount Units: ng/uL



Manual Integration Results

RT: 1.06
Area: 11092103
Amount: 0.500000
Amount Units: ng/uL



Reviewer: salversonj, 08-May-2018 12:29:01
Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Report Date: 08-May-2018 12:39:57 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-144.D

Injection Date: 07-May-2018 19:13:27 Instrument ID: HP6890-7

Lims ID: IC 1

Client ID:

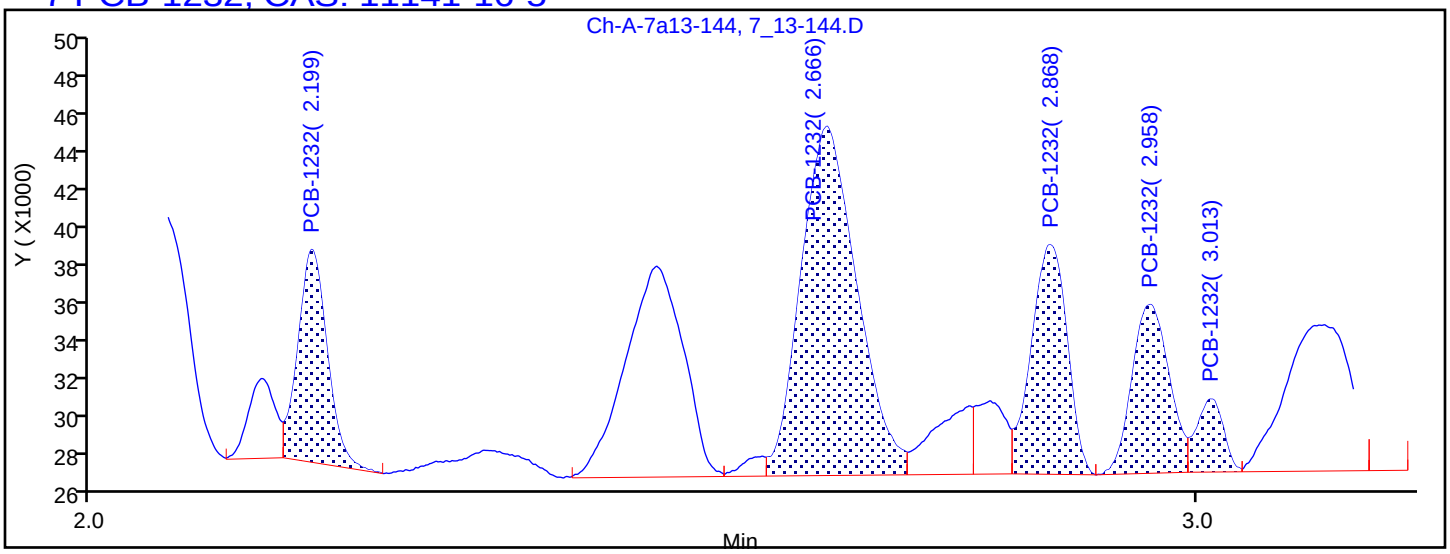
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 22

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

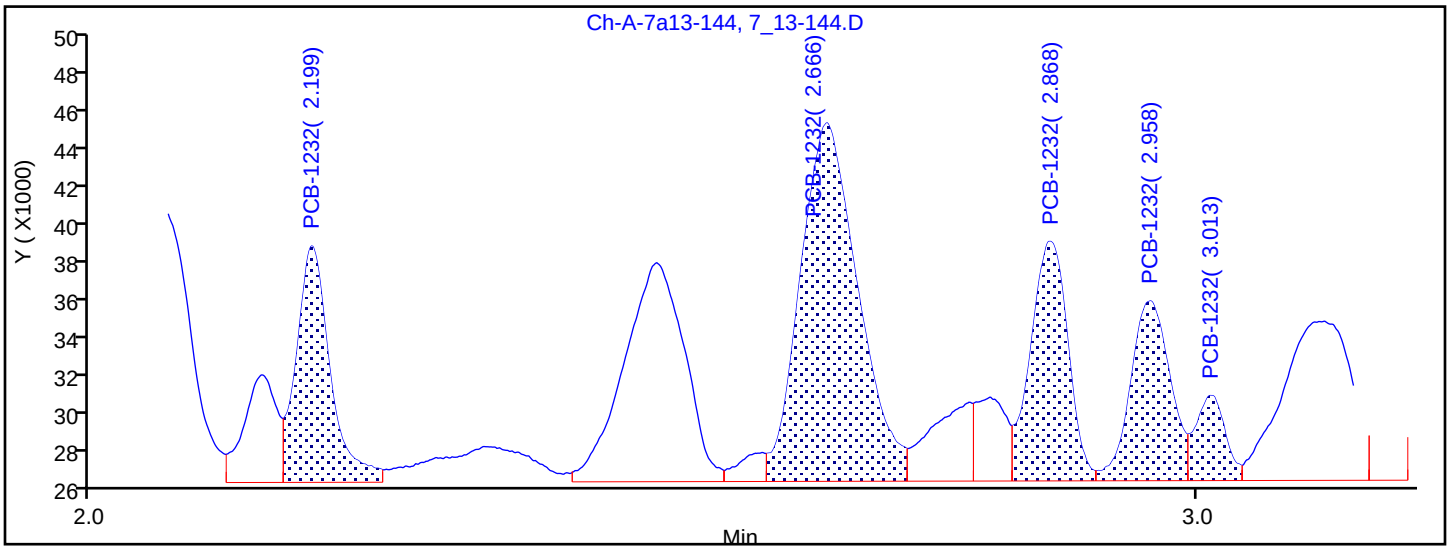
Column: Detector Ch-A-7A136

7 PCB-1232, CAS: 11141-16-5



Processing Integration Results

2.199	Response = 19871
2.666	Response = 62452
2.868	Response = 26229
2.958	Response = 20028
3.013	Response = 6293



Manual Integration Results

2.199	Response = 25452	M
2.666	Response = 66178	M
2.868	Response = 28599	M
2.958	Response = 22790	M
3.013	Response = 8129	M

Reviewer: salversonj, 08-May-2018 12:29:01

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

Report Date: 08-May-2018 12:39:57 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-144.D

Injection Date: 07-May-2018 19:13:27 Instrument ID: HP6890-7

Lims ID: IC 1

Client ID:

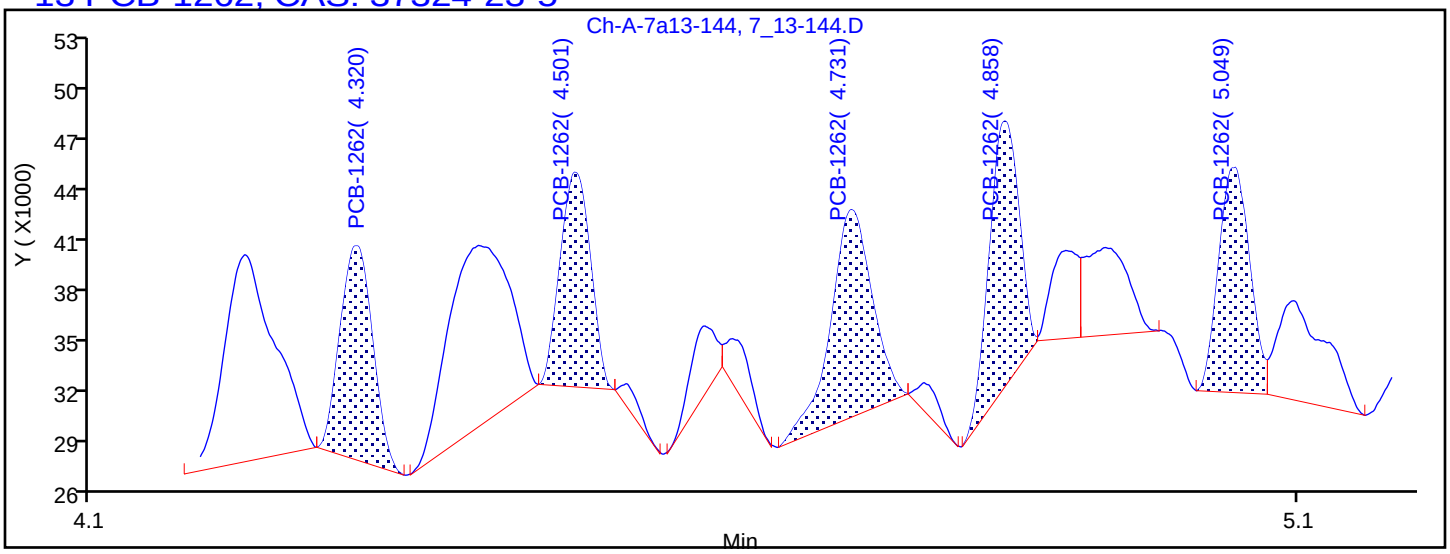
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 22

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

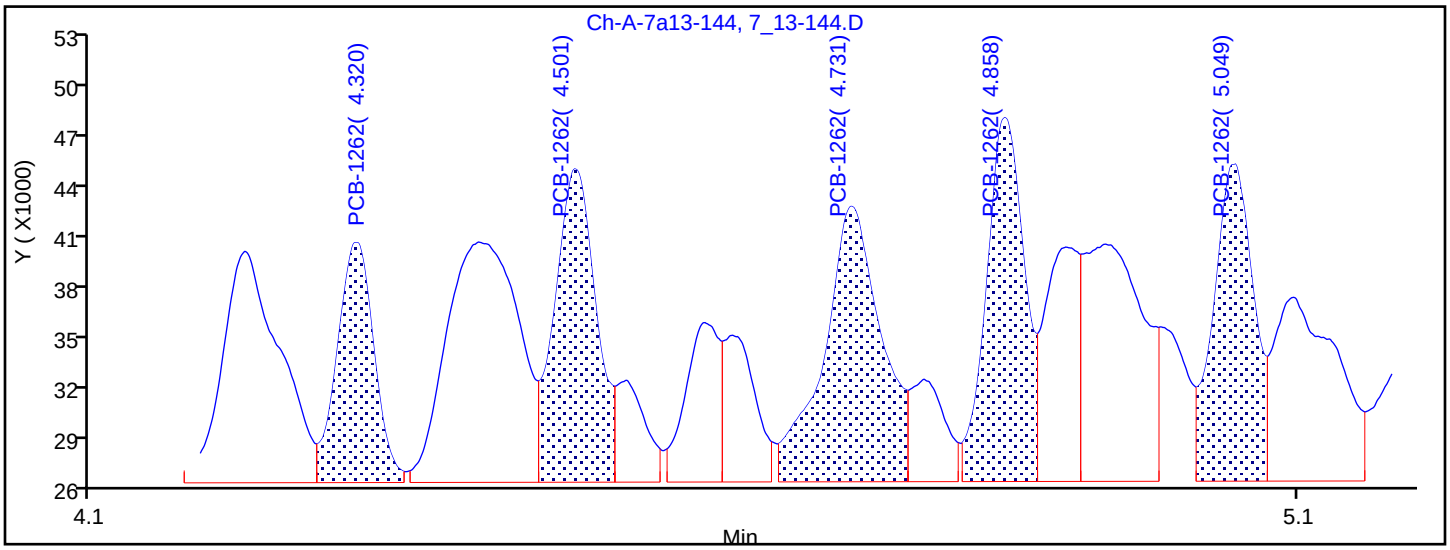
Column: Detector Ch-A-7A136

13 PCB-1262, CAS: 37324-23-5



Processing Integration Results

4.320	Response = 23028
4.501	Response = 21384
4.731	Response = 28505
4.858	Response = 26017
5.049	Response = 23120



Manual Integration Results

4.320	Response = 29216	M
4.501	Response = 42847	M
4.731	Response = 52366	M
4.858	Response = 45581	M
5.049	Response = 41851	M

Reviewer: salversonj, 08-May-2018 12:29:01

Audit Action: Assigned New Baseline Audit Reason: Peak not integrated

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1 Analy Batch No.: 413004

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2018 18:41 Calibration End Date: 05/07/2018 19:13 Calibration ID: 33772

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-413004/22	7_13-144.D
Level 2	IC 480-413004/21	7_13-143.D
Level 3	IC 480-413004/20	7_13-142.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	0.1505	0.0238	0.0202			Lin1	0.0026	0.0188							1.0000		0.9900
PCB-1232 Peak 2	0.0313	0.0219	0.0184			Lin1	0.0003	0.0188							0.9950		0.9900
PCB-1232 Peak 3	0.0479	0.0333	0.0358			Ave		0.0390				20.0		20.0			
PCB-1232 Peak 4	0.0192	0.0162	0.0140			Ave		0.0165				15.8		20.0			
PCB-1232 Peak 5	0.0242	0.0180	0.0156			Lin1	0.0002	0.0160							0.9970		0.9900
PCB-1262 Peak 1	0.0478	0.0381	0.0316			Lin1	0.0004	0.0325							0.9940		0.9900
PCB-1262 Peak 2	0.0658	0.0484	0.0398			Lin1	0.0006	0.0410							0.9940		0.9900
PCB-1262 Peak 3	0.2089	0.0892	0.0841			Lin1	0.0025	0.0830							1.0000		0.9900
PCB-1262 Peak 4	0.1170	0.0366	0.0351			Lin1	0.0016	0.0341							1.0000		0.9900
PCB-1262 Peak 5	0.0870	0.0609	0.0520			Lin1	0.0008	0.0531							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.: 480-145287-1 Analy Batch No.: 413004

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2018 18:41 Calibration End Date: 05/07/2018 19:13 Calibration ID: 33772

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-413004/22	7_13-144.D
Level 2	IC 480-413004/21	7_13-143.D
Level 3	IC 480-413004/20	7_13-142.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	142984	558623	2358345			0.0200	0.500	2.00		
PCB-1232 Peak 2	BNB	Lin1	29747	513308	2148773			0.0200	0.500	2.00		
PCB-1232 Peak 3	BNB	Ave	45487	781850	4182849			0.0200	0.500	2.00		
PCB-1232 Peak 4	BNB	Ave	18269	381324	1641464			0.0200	0.500	2.00		
PCB-1232 Peak 5	BNB	Lin1	23005	422764	1830381			0.0200	0.500	2.00		
PCB-1262 Peak 1	BNB	Lin1	45457	895262	3692678			0.0200	0.500	2.00		
PCB-1262 Peak 2	BNB	Lin1	62533	1137312	4655696			0.0200	0.500	2.00		
PCB-1262 Peak 3	BNB	Lin1	198495	2094929	9833053			0.0200	0.500	2.00		
PCB-1262 Peak 4	BNB	Lin1	111183	858702	4104364			0.0200	0.500	2.00		
PCB-1262 Peak 5	BNB	Lin1	82697	1429757	6087093			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\HP6890-07\20180507-71316.b\7_13-142.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 07-May-2018 18:41:35 ALS Bottle#: 0 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub8

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-May-2018 12:39:50 Calib Date: 07-May-2018 21:20:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-152.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: salversonj Date: 08-May-2018 06:56:06

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							M
1	1.062	1.061	0.001	13089286	0.5000	0.5000	M
2	0.911	0.911	0.000	29247513	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1232							M
1	2.199	2.199	0.000	1151360	2.00	1.95	M
1	2.667	2.666	0.001	614165	2.00	1.99	M
1	2.868	2.868	0.000	2086823	2.00	1.95	M
1	2.953	2.958	-0.006	791581	2.00	1.96	M
1	3.013	3.013	0.000	545109	2.00	1.94	M
		Average of Peak Amounts =				1.96	
2	1.790	1.818	-0.028	2358345	2.00	2.01	
2	2.083	2.083	0.000	2148773	2.00	1.94	
2	2.378	2.380	-0.002	4182849	2.00	1.83	
2	2.481	2.482	-0.001	1641464	2.00	1.70	
2	2.835	2.834	0.001	1830381	2.00	1.95	
		Average of Peak Amounts =				1.89	
						RPD = 3.73	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1262							M
1	4.319	4.320	-0.001	1869735	2.00	1.91	M
1	4.503	4.501	0.001	2092587	2.00	1.94	M
1	4.729	4.731	-0.002	1858906	2.00	1.95	M
1	4.859	4.858	0.001	2742348	2.00	2.00	M
1	5.049	5.049	0.000	2059845	2.00	1.98	M
		Average of Peak Amounts =				1.96	
2	3.756	3.755	0.001	3692678	2.00	1.93	
2	4.471	4.471	0.000	4655696	2.00	1.93	
2	4.616	4.615	0.001	9833053	2.00	1.99	
2	4.904	4.904	0.000	4104364	2.00	2.01	
2	4.938	4.936	0.002	6087093	2.00	1.94	
		Average of Peak Amounts =				1.96	
						RPD = 0.27	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

32-62w/IS@2.0_00008 Amount Added: 1.00 Units: mL

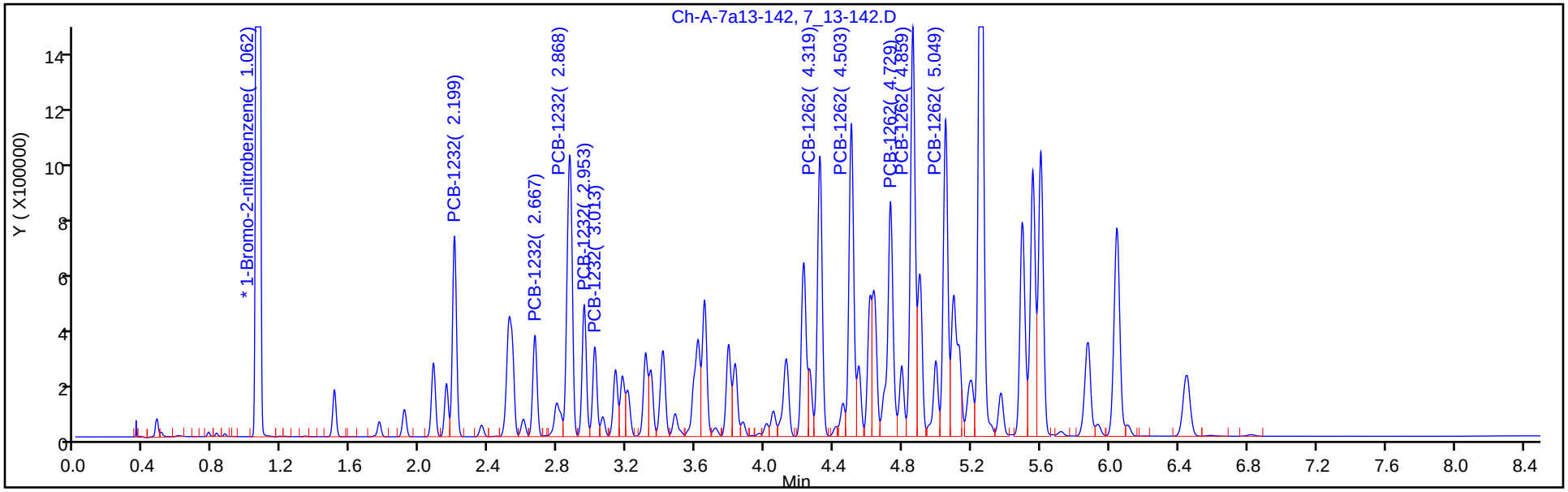
Report Date: 08-May-2018 12:39:51 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

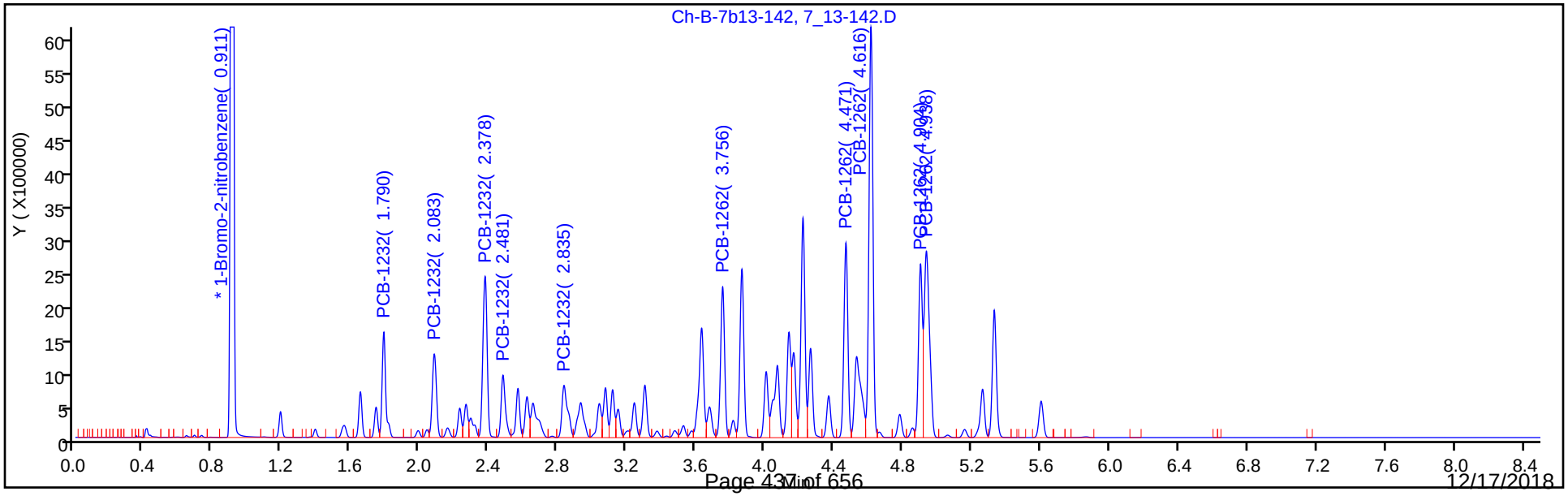
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-142.D

Injection Date:	07-May-2018 18:41:35	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	20
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-143.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 07-May-2018 18:57:37 ALS Bottle#: 0 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub8

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-May-2018 12:39:53 Calib Date: 07-May-2018 21:20:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-152.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: salversonj Date: 08-May-2018 12:02:17

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	1.062	1.061	0.001	10881150	0.5000	0.5000	M
2	0.911	0.911	0.000	23484144	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1232							M
1	2.200	2.199	0.001	282305	0.5000	0.5516	M
1	2.668	2.666	0.002	176259	0.5000	0.5116	M
1	2.870	2.868	0.002	494234	0.5000	0.5473	M
1	2.953	2.958	-0.006	194501	0.5000	0.5437	M
1	3.015	3.013	0.002	135136	0.5000	0.5659	M
		Average of Peak Amounts =				0.5440	
2	1.788	1.818	-0.030	558623	0.5000	0.4932	
2	2.083	2.083	0.000	513308	0.5000	0.5654	
2	2.379	2.380	-0.001	781850	0.5000	0.4271	
2	2.481	2.482	-0.001	381324	0.5000	0.4921	
2	2.835	2.834	0.001	422764	0.5000	0.5522	
		Average of Peak Amounts =				0.5060	
						RPD = 7.24	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1262							M
1	4.319	4.320	-0.001	489919	0.5000	0.5903	M
1	4.503	4.501	0.002	527331	0.5000	0.5663	M
1	4.728	4.731	-0.003	462445	0.5000	0.5503	M
1	4.858	4.858	0.000	761040	0.5000	0.5000	M
1	5.049	5.049	0.000	575365	0.5000	0.5961	M
		Average of Peak Amounts =				0.5606	
2	3.756	3.755	0.001	895262	0.5000	0.5741	
2	4.471	4.471	0.000	1137312	0.5000	0.5760	
2	4.617	4.615	0.002	2094929	0.5000	0.5066	
2	4.904	4.904	0.000	858702	0.5000	0.4883	
2	4.938	4.936	0.002	1429757	0.5000	0.5583	
		Average of Peak Amounts =				0.5406	
						RPD = 3.62	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

32-62w/IS@0.5_00021 Amount Added: 1.00 Units: mL

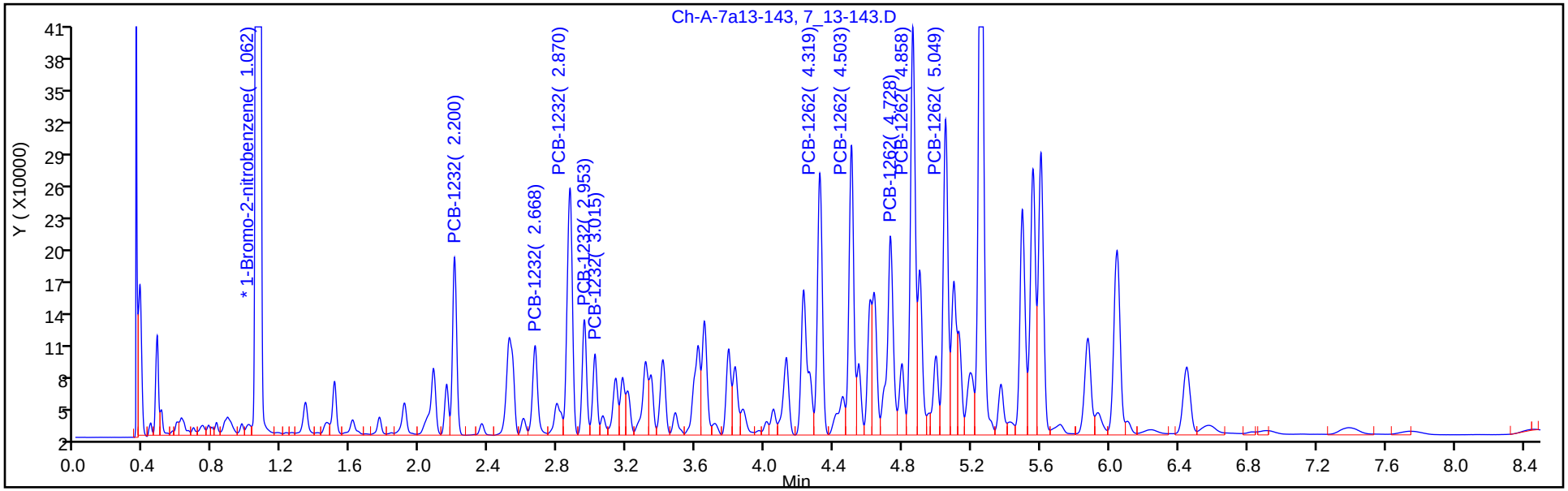
Report Date: 08-May-2018 12:39:54 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

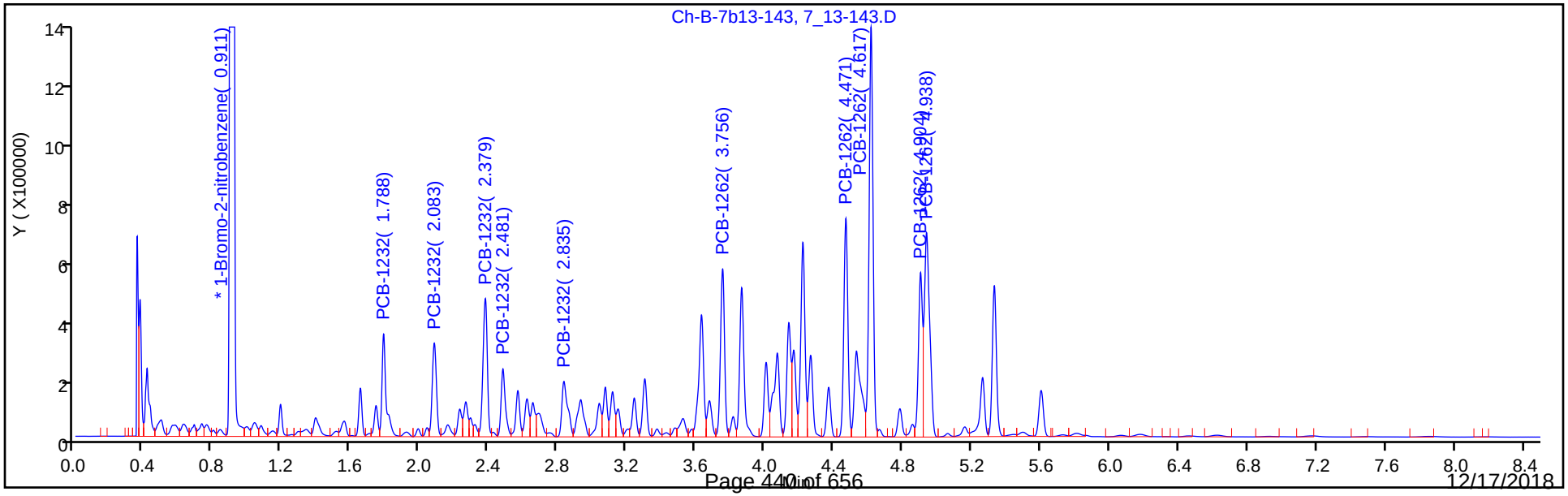
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-143.D

Injection Date:	07-May-2018 18:57:37	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	21
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-144.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 07-May-2018 19:13:27 ALS Bottle#: 0 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub8

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-May-2018 12:39:57 Calib Date: 07-May-2018 21:20:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-152.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: salversonj Date: 08-May-2018 06:56:46

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							M
1	1.063	1.063	0.000	11092103	0.5000	0.5000	M
2	0.912	0.912	0.000	23753414	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1232							M
1	2.199	2.199	0.000	25452	0.0200	0.0184	M
1	2.666	2.666	0.000	66178	0.0200	0.0196	M
1	2.868	2.868	0.000	28599	0.0200	0.0186	M
1	2.958	2.958	0.000	22790	0.0200	0.0187	M
1	3.013	3.013	0.000	8129	0.0200	0.0180	M
		Average of Peak Amounts =				0.0187	
2	1.818	1.818	0.000	142984	0.0200	0.0202	
2	2.083	2.083	0.000	29747	0.0200	0.0180	
2	2.380	2.380	0.000	45487	0.0200	0.0246	
2	2.482	2.482	0.000	18269	0.0200	0.0233	
2	2.834	2.834	0.000	23005	0.0200	0.0184	
		Average of Peak Amounts =				0.0209	
						RPD = 11.31	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13 PCB-1262							M
1	4.320	4.320	0.000	29216	0.0200	0.0173	M
1	4.501	4.501	0.000	42847	0.0200	0.0180	M
1	4.731	4.731	0.000	52366	0.0200	0.0185	M
1	4.858	4.858	0.000	45581	0.0200	0.0200	M
1	5.049	5.049	0.000	41851	0.0200	-0.0528	M
		Average of Peak Amounts =				0.004193	
2	3.755	3.755	0.000	45457	0.0200	0.0178	
2	4.471	4.471	0.000	62533	0.0200	0.0177	
2	4.615	4.615	0.000	198495	0.0200	0.0198	
2	4.904	4.904	0.000	111183	0.0200	0.0204	
2	4.936	4.936	0.000	82697	0.0200	0.0182	
		Average of Peak Amounts =				0.0188	
						RPD = 126.95	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

32-62w/IS@.02_00008 Amount Added: 1.00 Units: mL

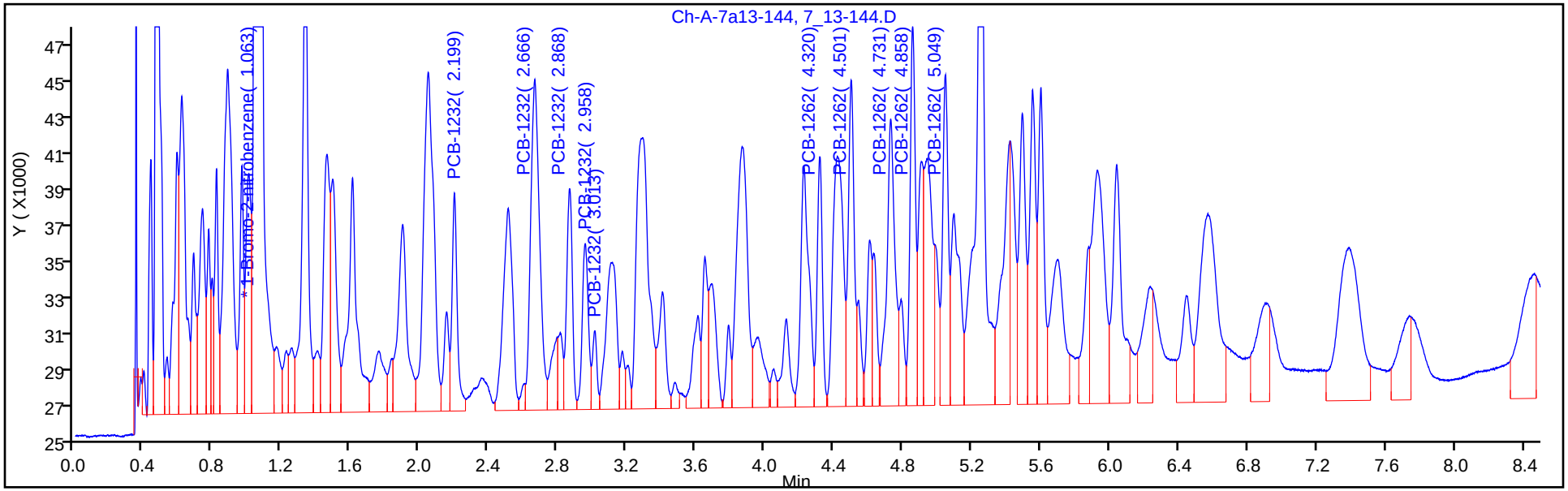
Report Date: 08-May-2018 12:39:57 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

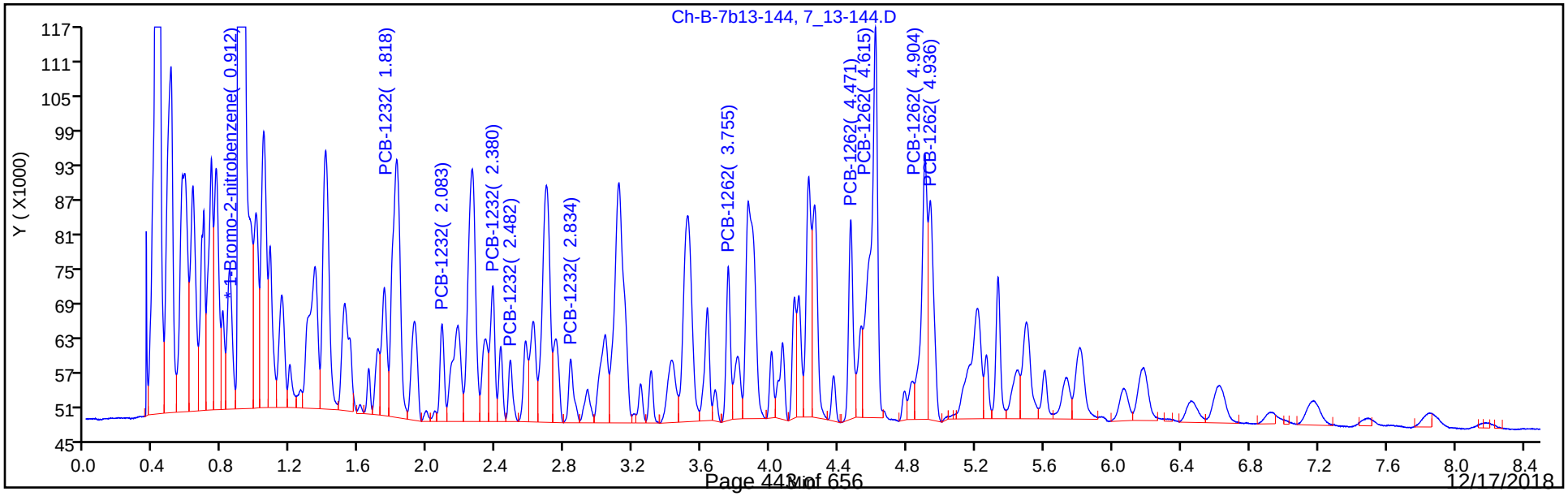
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-144.D

Injection Date:	07-May-2018 19:13:27	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 1			Worklist Smp#:	22
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1 Analy Batch No.: 413004

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2018 19:45 Calibration End Date: 05/07/2018 20:17 Calibration ID: 33777

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-413004/26	7_13-148.D
Level 2	IC 480-413004/25	7_13-147.D
Level 3	IC 480-413004/24	7_13-146.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	0.0991	0.0890	0.0778			Ave		0.0887				12.0		20.0			
PCB-1242 Peak 2	0.0592	0.0330	0.0277			Lin1	0.0007	0.0282							0.9960		0.9900
PCB-1242 Peak 3	0.1722	0.0239	0.0203			Lin1	0.0031	0.0186							1.0000		0.9900
PCB-1242 Peak 4	0.0429	0.0289	0.0245			Lin1	0.0004	0.0251							0.9960		0.9900
PCB-1242 Peak 5	0.0460	0.0432	0.0375			Ave		0.0422				10.2		20.0			
PCB-1268 Peak 1	0.1999	0.1419	0.1378			Lin1	0.0013	0.1376							1.0000		0.9900
PCB-1268 Peak 2	0.1776	0.1315	0.1271			Ave		0.1454				19.2		20.0			
PCB-1268 Peak 3	0.1624	0.1168	0.1120			Lin1	0.0010	0.1121							1.0000		0.9900
PCB-1268 Peak 4	0.0527	0.0481	0.0463			Ave		0.0490				6.7		20.0			
PCB-1268 Peak 5	0.4561	0.3764	0.3664			Ave		0.3996				12.3		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.: 480-145287-1 Analy Batch No.: 413004

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2018 19:45 Calibration End Date: 05/07/2018 20:17 Calibration ID: 33777

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-413004/26	7_13-148.D
Level 2	IC 480-413004/25	7_13-147.D
Level 3	IC 480-413004/24	7_13-146.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	Ave	42469	1040800	3197737			0.0200	0.500	2.00		
PCB-1242 Peak 2	BNB	Lin1	25344	386492	1139564			0.0200	0.500	2.00		
PCB-1242 Peak 3	BNB	Lin1	73756	279926	832730			0.0200	0.500	2.00		
PCB-1242 Peak 4	BNB	Lin1	18390	338069	1008330			0.0200	0.500	2.00		
PCB-1242 Peak 5	BNB	Ave	19702	505525	1541224			0.0200	0.500	2.00		
PCB-1268 Peak 1	BNB	Lin1	85642	1659298	5659210			0.0200	0.500	2.00		
PCB-1268 Peak 2	BNB	Ave	76059	1537847	5221793			0.0200	0.500	2.00		
PCB-1268 Peak 3	BNB	Lin1	69571	1365402	4602534			0.0200	0.500	2.00		
PCB-1268 Peak 4	BNB	Ave	22560	562345	1902928			0.0200	0.500	2.00		
PCB-1268 Peak 5	BNB	Ave	195378	4401394	15051200			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\HP6890-07\20180507-71316.b\7_13-146.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 07-May-2018 19:45:20 ALS Bottle#: 0 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub9

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-May-2018 17:37:52 Calib Date: 07-May-2018 21:20:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-152.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK051

First Level Reviewer: RudzG Date: 08-May-2018 17:28:53

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	1.062	1.063	0.000	10270141	0.5000	0.5000	
2	0.911	0.912	-0.001	21787984	0.5000	0.5000	
						RPD = 0.00	
8 PCB-1242							
1	2.869	2.869	0.000	3197737	2.00	1.76	
1	2.953	2.957	-0.005	1139564	2.00	1.94	
1	3.310	3.303	0.007	832730	2.00	2.02	
1	3.409	3.408	0.001	1008330	2.00	1.94	
1	3.614	3.613	0.002	1541224	2.00	1.78	
		Average of Peak Amounts =				1.89	
2	2.083	2.083	0.000	2754721	2.00	1.92	
2	2.379	2.379	0.000	4954237	2.00	1.96	
2	2.481	2.482	-0.001	2217838	2.00	1.64	
2	2.621	2.618	0.003	1209474	2.00	1.94	
2	2.835	2.836	-0.001	2699565	2.00	1.93	
		Average of Peak Amounts =				1.88	
						RPD = 0.36	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
14 PCB-1268							
1	5.557	5.558	-0.001	5659210	2.00	1.99	
1	5.601	5.602	-0.001	5221793	2.00	1.75	
1	5.859	5.858	0.001	4602534	2.00	1.99	
1	6.042	6.041	0.001	1902928	2.00	1.89	
1	6.448	6.448	0.000	15051200	2.00	1.83	
		Average of Peak Amounts =				1.89	
2	4.904	4.904	0.000	8368814	2.00	2.00	
2	4.943	4.941	0.001	8831757	2.00	1.77	
2	5.239	5.234	0.005	1919165	2.00	1.99	
2	5.333	5.332	0.000	3278797	2.00	1.99	
2	5.605	5.604	0.001	25388818	2.00	1.96	
		Average of Peak Amounts =				1.94	
						RPD = 2.71	

Reagents:

42-68w/IS@2.0_00009 Amount Added: 1.00 Units: mL

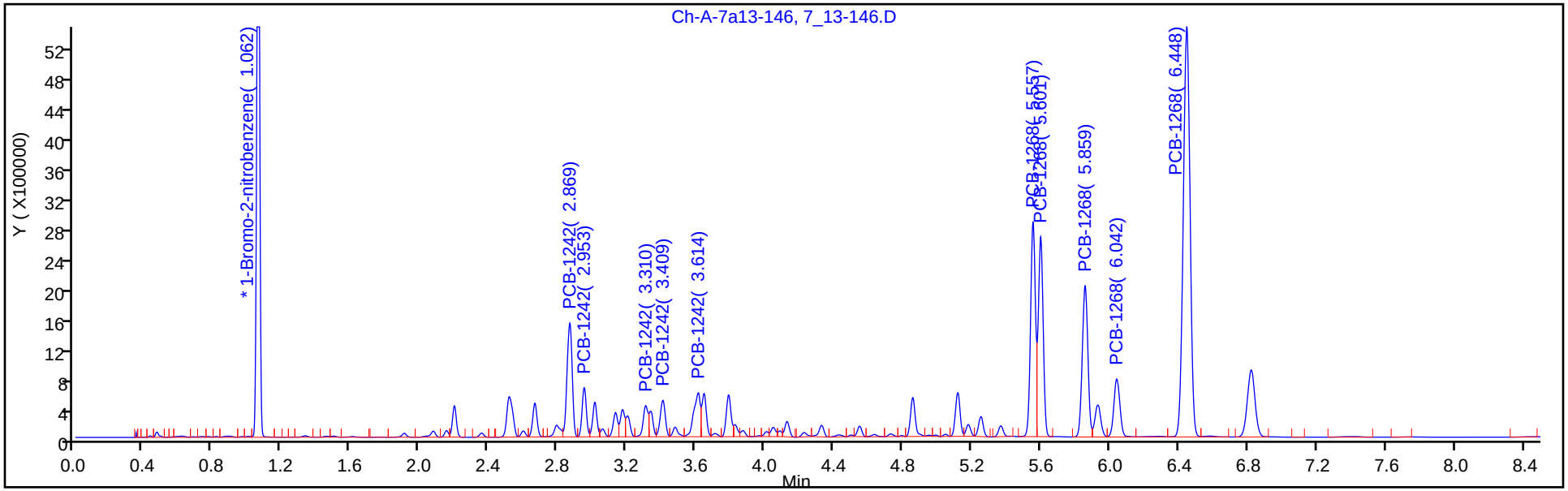
Report Date: 08-May-2018 17:37:52 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

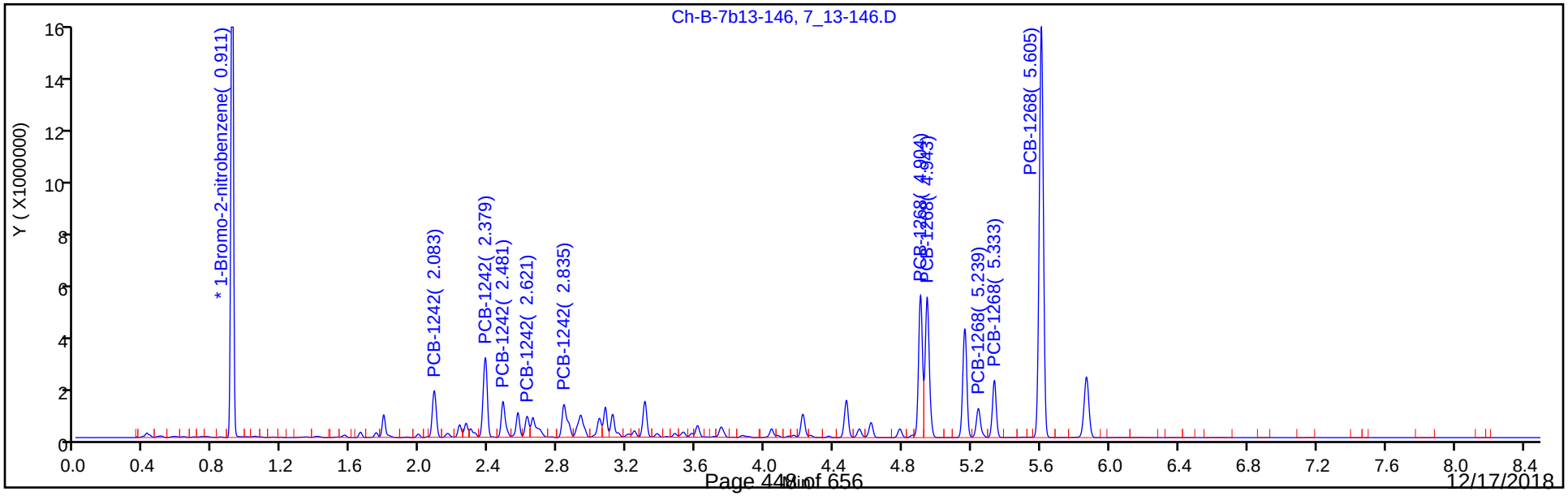
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-146.D

Injection Date:	07-May-2018 19:45:20	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	24
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-147.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 07-May-2018 20:01:18 ALS Bottle#: 0 Worklist Smp#: 25
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub9

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-May-2018 17:37:55 Calib Date: 07-May-2018 21:20:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-152.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK051

First Level Reviewer: RudzG Date: 08-May-2018 17:32:00

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	1.063	1.063	0.000	11694372	0.5000	0.5000	
2	0.911	0.912	-0.001	25943992	0.5000	0.5000	
						RPD = 0.00	
8 PCB-1242							
1	2.870	2.869	0.001	1040800	0.5000	0.5019	
1	2.953	2.957	-0.004	386492	0.5000	0.5613	
1	3.311	3.303	0.008	279926	0.5000	0.4799	
1	3.410	3.408	0.002	338069	0.5000	0.5603	
1	3.615	3.613	0.003	505525	0.5000	0.5116	
		Average of Peak Amounts =				0.5230	
2	2.083	2.083	0.000	1001741	0.5000	0.5781	
2	2.379	2.379	0.000	1647245	0.5000	0.5389	
2	2.481	2.482	-0.001	803920	0.5000	0.5002	
2	2.621	2.618	0.003	451666	0.5000	0.5648	
2	2.834	2.836	-0.002	961584	0.5000	0.5697	
		Average of Peak Amounts =				0.5503	
						RPD = 5.09	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
14 PCB-1268							
1	5.558	5.558	0.000	1659298	0.5000	0.5065	
1	5.602	5.602	0.000	1537847	0.5000	0.4522	
1	5.859	5.858	0.001	1365402	0.5000	0.5113	
1	6.046	6.041	0.005	562345	0.5000	0.4904	
1	6.448	6.448	0.000	4401394	0.5000	0.4709	
		Average of Peak Amounts =				0.4863	
2	4.904	4.904	0.000	2538616	0.5000	0.4955	
2	4.943	4.941	0.002	2686613	0.5000	0.4522	
2	5.239	5.234	0.005	634766	0.5000	0.5080	
2	5.332	5.332	0.000	1017678	0.5000	0.5111	
2	5.604	5.604	0.000	7298991	0.5000	0.4728	
		Average of Peak Amounts =				0.4879	
						RPD = 0.34	

Reagents:

42-68w/IS@0.5_00021 Amount Added: 1.00 Units: mL

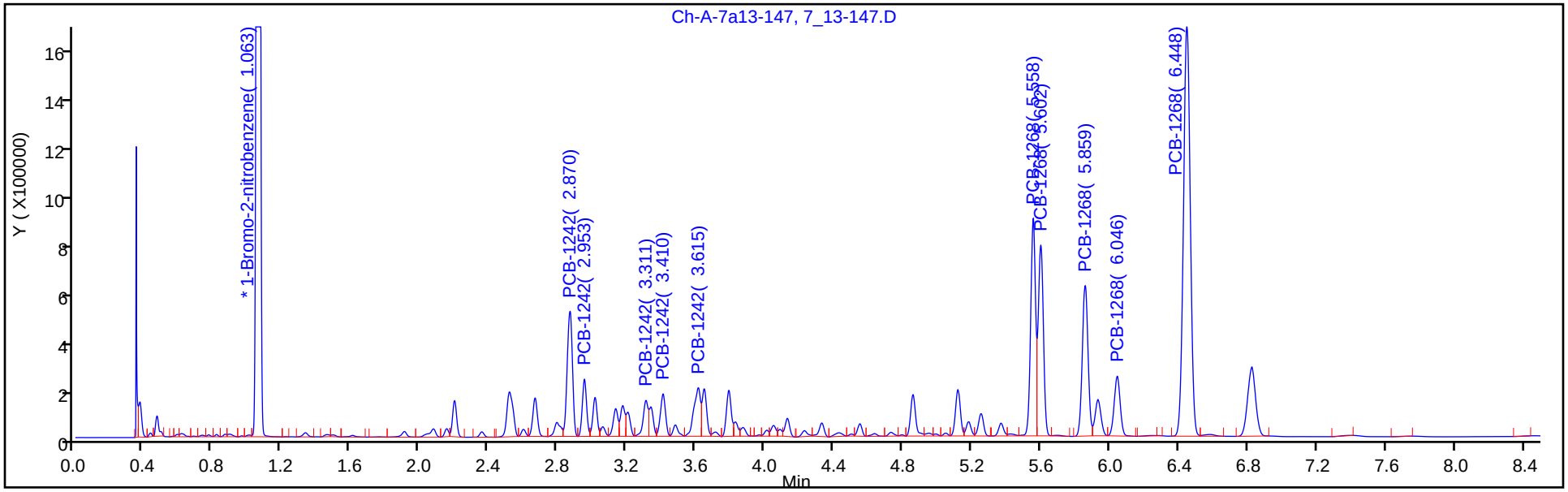
Report Date: 08-May-2018 17:37:55 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

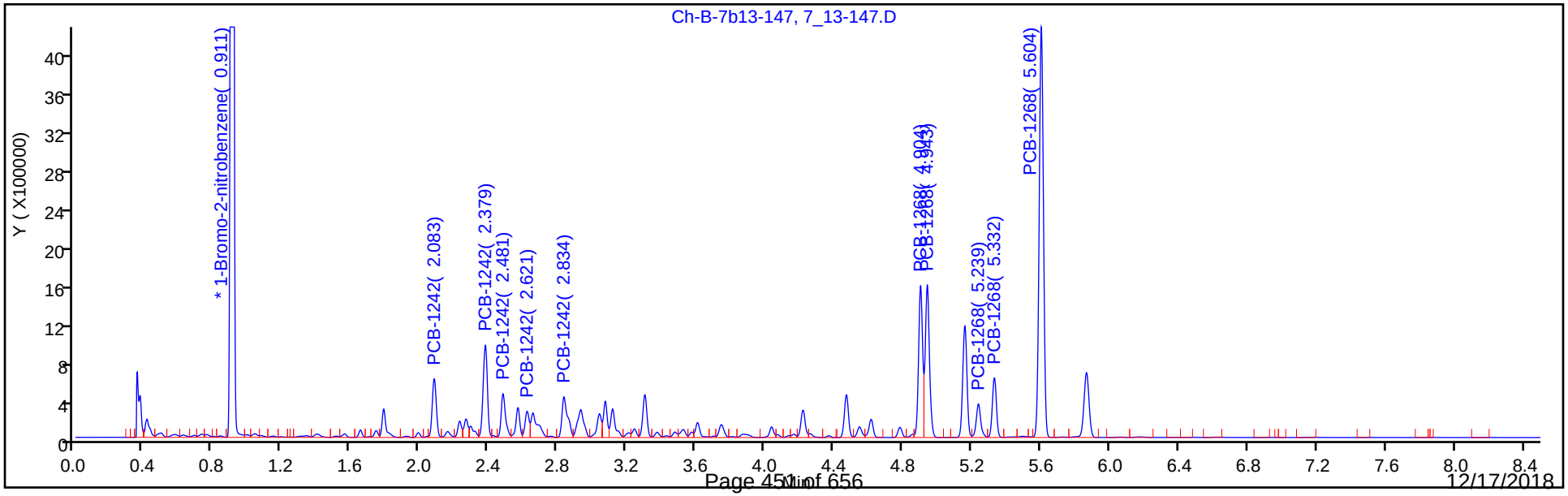
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-147.D

Injection Date:	07-May-2018 20:01:18	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	25
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-148.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 07-May-2018 20:17:08 ALS Bottle#: 0 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub9

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-May-2018 17:50:36 Calib Date: 07-May-2018 21:20:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-152.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK051

First Level Reviewer: salversonj Date: 08-May-2018 06:57:22

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	1.063	1.063	0.000	10709020	0.5000	0.5000	
2	0.912	0.912	0.000	22977021	0.5000	0.5000	
						RPD = 0.00	
8 PCB-1242							Ma
1	2.869	2.869	0.000	42469	0.0200	0.0224	M
1	2.957	2.957	0.000	25344	0.0200	0.0181	M
1	3.303	3.303	0.000	73756	0.0200	0.0206	M
1	3.408	3.408	0.000	18390	0.0200	0.0182	M
1	3.613	3.613	0.000	19702	0.0200	0.0218	M
		Average of Peak Amounts =				0.0202	
2	2.083	2.083	0.000	46977	0.0200	0.0176	
2	2.379	2.379	0.000	83091	0.0200	0.0188	
2	2.482	2.482	0.000	33538	0.0200	0.0236	
2	2.618	2.618	0.000	51269	0.0200	0.0180	a
2	2.836	2.836	0.000	43560	0.0200	0.0179	
		Average of Peak Amounts =				0.0192	
						RPD = 5.20	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
14 PCB-1268							M
1	5.558	5.558	0.000	85642	0.0200	0.0198	M
1	5.602	5.602	0.000	76059	0.0200	0.0244	M
1	5.858	5.858	0.000	69571	0.0200	0.0197	M
1	6.041	6.041	0.000	22560	0.0200	0.0215	M
1	6.448	6.448	0.000	195378	0.0200	0.0228	M
		Average of Peak Amounts =				0.0216	
2	4.904	4.904	0.000	175998	0.0200	0.0201	
2	4.941	4.941	0.000	127422	0.0200	0.0242	
2	5.234	5.234	0.000	81272	0.0200	0.0198	
2	5.332	5.332	0.000	51360	0.0200	0.0197	
2	5.604	5.604	0.000	293964	0.0200	0.0215	
		Average of Peak Amounts =				0.0211	
						RPD = 2.74	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

42-68w/IS@.02_00009 Amount Added: 1.00 Units: mL

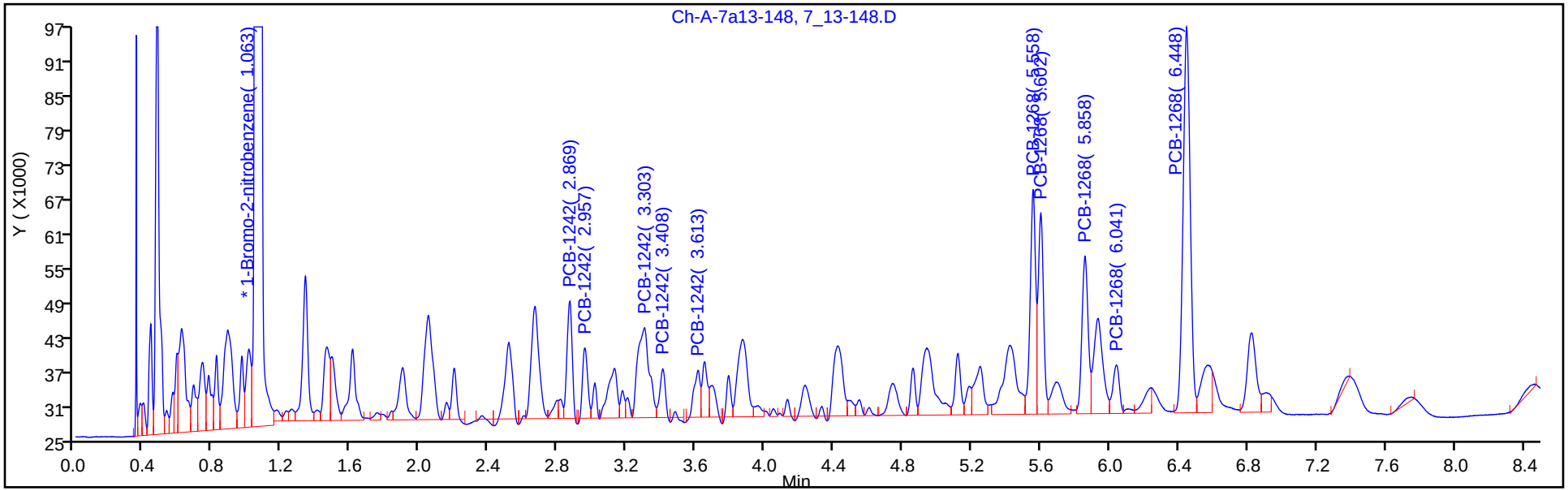
Report Date: 08-May-2018 17:50:37 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

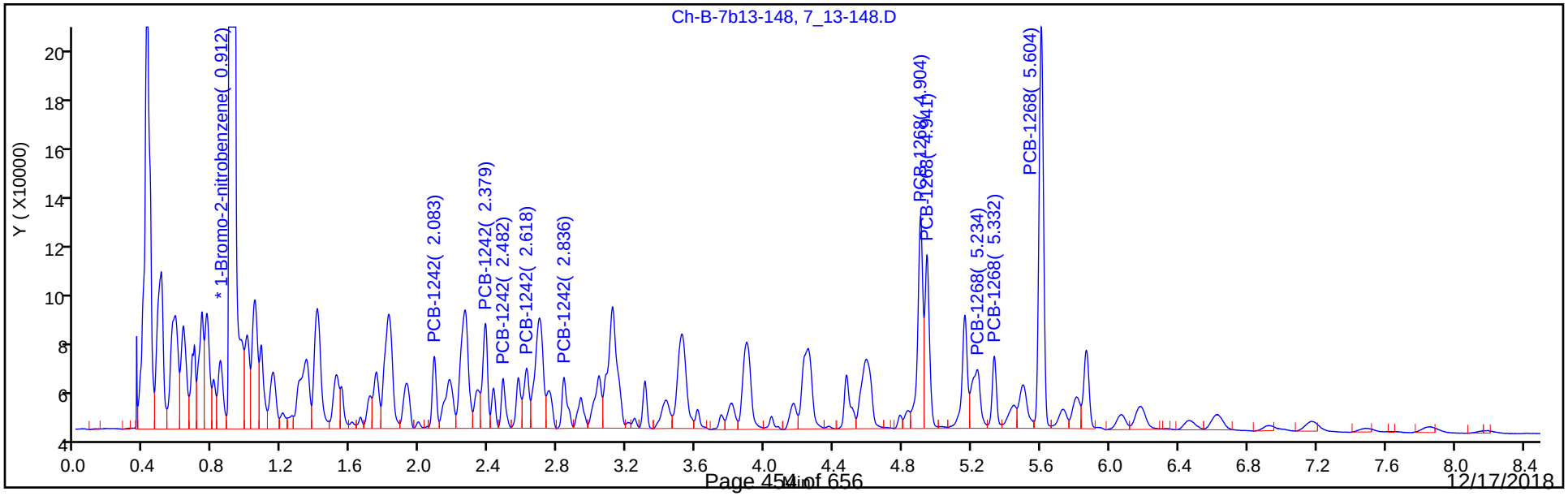
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-148.D

Injection Date:	07-May-2018 20:17:08	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC			Worklist Smp#:	26
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



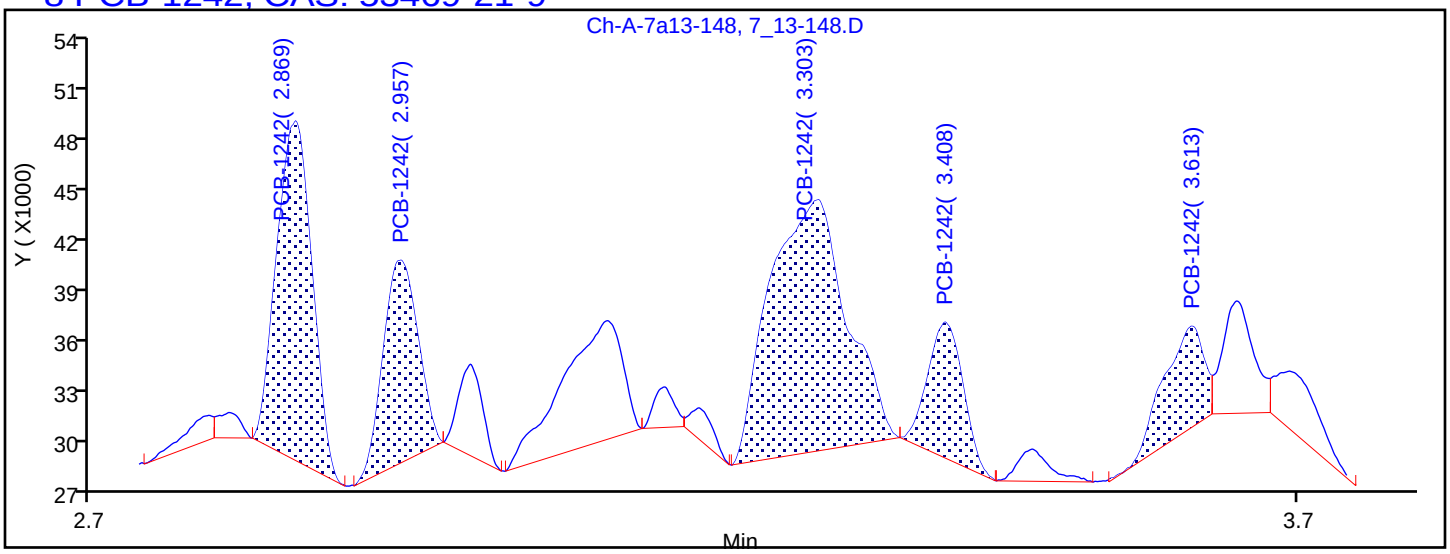
Report Date: 08-May-2018 17:50:37 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-148.D

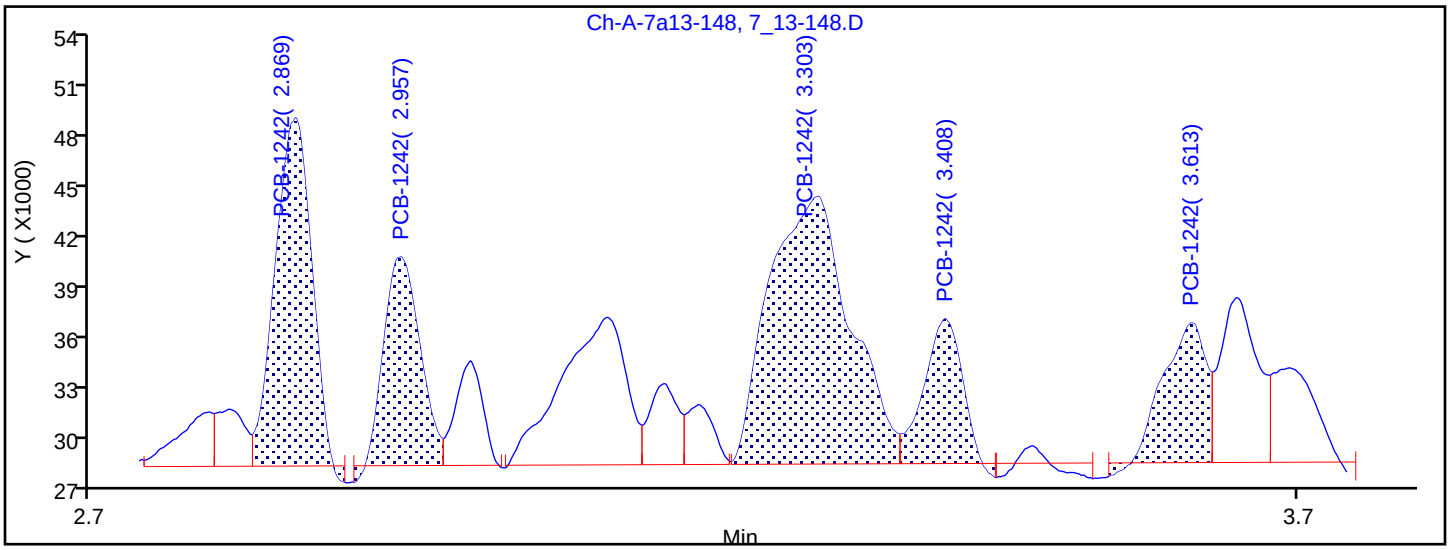
Injection Date:	07-May-2018 20:17:08	Instrument ID:	HP6890-7		
Lims ID:	IC				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

8 PCB-1242, CAS: 53469-21-9



Processing Integration Results

2.869	Response = 40512
2.957	Response = 24065
3.303	Response = 65810
3.408	Response = 16245
3.613	Response = 14220



Manual Integration Results

2.869	Response = 42469	M
2.957	Response = 25344	M
3.303	Response = 73756	M
3.408	Response = 18390	M
3.613	Response = 19702	M

Reviewer: salversonj, 08-May-2018 06:57:17

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 08-May-2018 17:50:37 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-148.D

Injection Date: 07-May-2018 20:17:08 Instrument ID: HP6890-7

Lims ID: IC

Client ID:

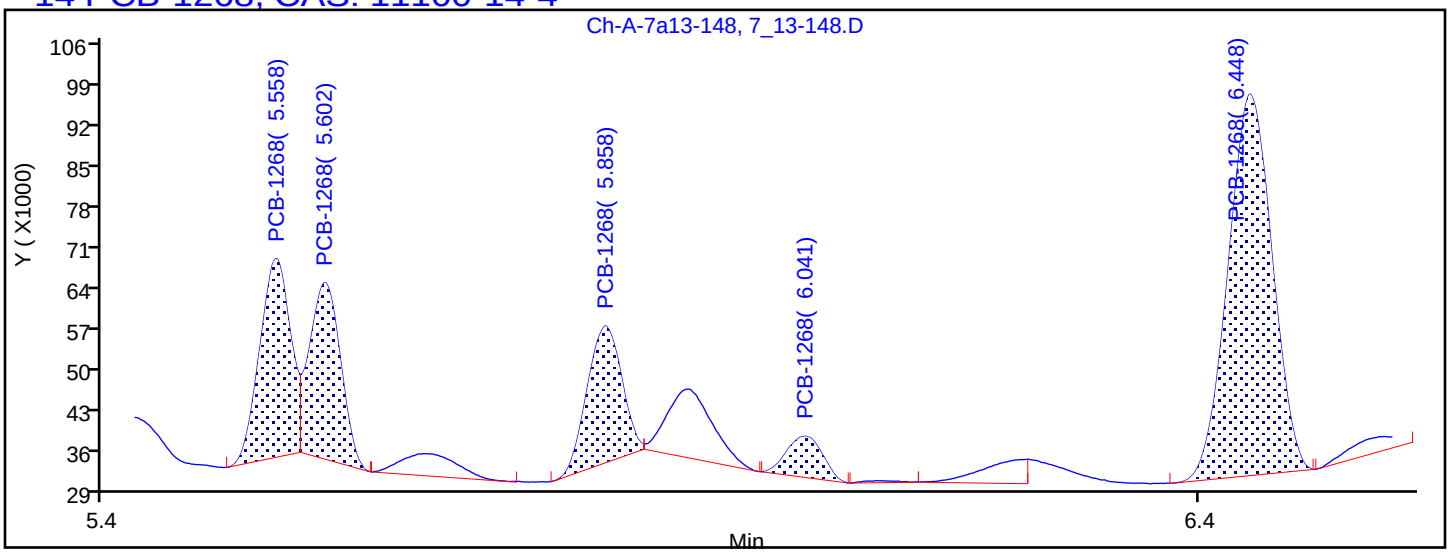
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 26

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

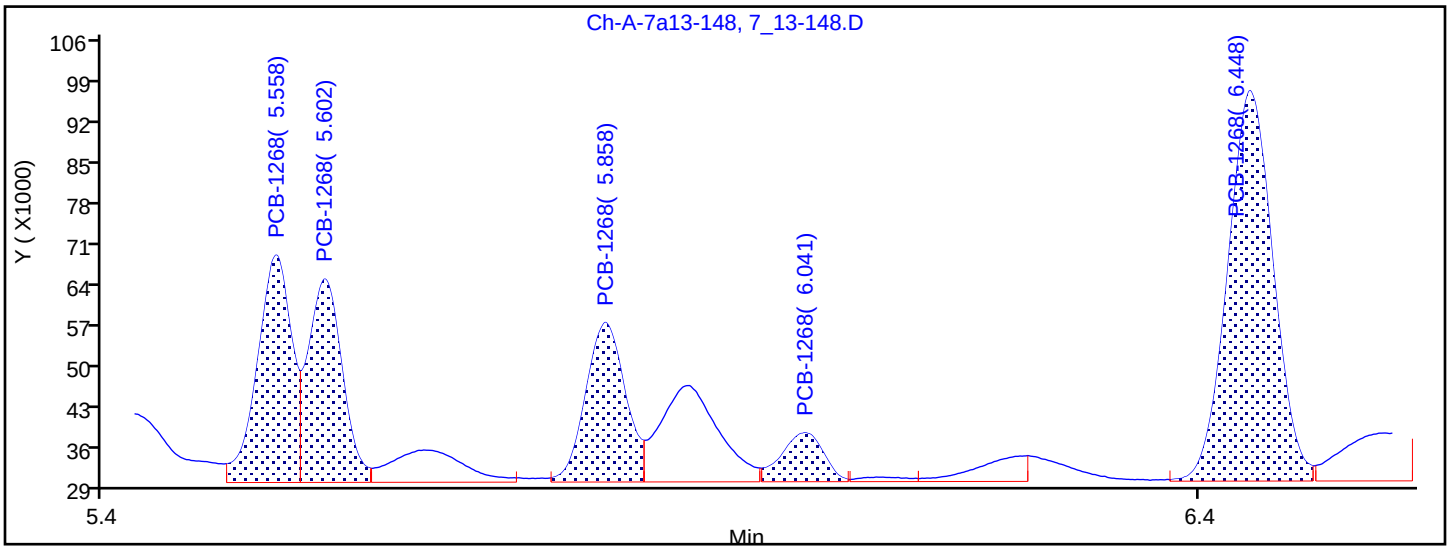
Column: Detector Ch-A-7A136

14 PCB-1268, CAS: 11100-14-4



Processing Integration Results

5.558	Response = 67306
5.602	Response = 60166
5.858	Response = 51908
6.041	Response = 16081
6.448	Response = 184199



Manual Integration Results

5.558	Response = 85642	M
5.602	Response = 76059	M
5.858	Response = 69571	M
6.041	Response = 22560	M
6.448	Response = 195378	M

Reviewer: salversonj, 08-May-2018 06:57:17

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.: 480-145287-1 Analy Batch No.: 413004

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2018 19:45 Calibration End Date: 05/07/2018 20:17 Calibration ID: 33778

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-413004/26	7_13-148.D
Level 2	IC 480-413004/25	7_13-147.D
Level 3	IC 480-413004/24	7_13-146.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	0.0511	0.0386	0.0316			Lin1	0.0004	0.0326							0.9940		0.9900
PCB-1242 Peak 2	0.0904	0.0635	0.0568			Lin1	0.0007	0.0576							0.9980		0.9900
PCB-1242 Peak 3	0.0365	0.0310	0.0254			Ave		0.0310				17.8		20.0			
PCB-1242 Peak 4	0.0558	0.0174	0.0139			Lin1	0.0009	0.0139							0.9960		0.9900
PCB-1242 Peak 5	0.0474	0.0371	0.0310			Lin1	0.0004	0.0319							0.9950		0.9900
PCB-1268 Peak 1	0.1915	0.0978	0.0960			Lin1	0.0019	0.0949							1.0000		0.9900
PCB-1268 Peak 2	0.1386	0.1036	0.1013			Ave		0.1145				18.3		20.0			
PCB-1268 Peak 3	0.0884	0.0245	0.0220			Lin1	0.0013	0.0214							1.0000		0.9900
PCB-1268 Peak 4	0.0559	0.0392	0.0376			Lin1	0.0004	0.0376							1.0000		0.9900
PCB-1268 Peak 5	0.3198	0.2813	0.2913			Ave		0.2975				6.7		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.: 480-145287-1 Analy Batch No.: 413004

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2018 19:45 Calibration End Date: 05/07/2018 20:17 Calibration ID: 33778

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-413004/26	7_13-148.D
Level 2	IC 480-413004/25	7_13-147.D
Level 3	IC 480-413004/24	7_13-146.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	46977	1001741	2754721			0.0200	0.500	2.00		
PCB-1242 Peak 2	BNB	Lin1	83091	1647245	4954237			0.0200	0.500	2.00		
PCB-1242 Peak 3	BNB	Ave	33538	803920	2217838			0.0200	0.500	2.00		
PCB-1242 Peak 4	BNB	Lin1	51269	451666	1209474			0.0200	0.500	2.00		
PCB-1242 Peak 5	BNB	Lin1	43560	961584	2699565			0.0200	0.500	2.00		
PCB-1268 Peak 1	BNB	Lin1	175998	2538616	8368814			0.0200	0.500	2.00		
PCB-1268 Peak 2	BNB	Ave	127422	2686613	8831757			0.0200	0.500	2.00		
PCB-1268 Peak 3	BNB	Lin1	81272	634766	1919165			0.0200	0.500	2.00		
PCB-1268 Peak 4	BNB	Lin1	51360	1017678	3278797			0.0200	0.500	2.00		
PCB-1268 Peak 5	BNB	Ave	293964	7298991	25388818			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\HP6890-07\20180507-71316.b\7_13-146.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 07-May-2018 19:45:20 ALS Bottle#: 0 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub9

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-May-2018 17:37:52 Calib Date: 07-May-2018 21:20:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-152.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK051

First Level Reviewer: RudzG Date: 08-May-2018 17:28:53

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	1.062	1.063	0.000	10270141	0.5000	0.5000	
2	0.911	0.912	-0.001	21787984	0.5000	0.5000	
						RPD = 0.00	
8 PCB-1242							
1	2.869	2.869	0.000	3197737	2.00	1.76	
1	2.953	2.957	-0.005	1139564	2.00	1.94	
1	3.310	3.303	0.007	832730	2.00	2.02	
1	3.409	3.408	0.001	1008330	2.00	1.94	
1	3.614	3.613	0.002	1541224	2.00	1.78	
		Average of Peak Amounts =				1.89	
2	2.083	2.083	0.000	2754721	2.00	1.92	
2	2.379	2.379	0.000	4954237	2.00	1.96	
2	2.481	2.482	-0.001	2217838	2.00	1.64	
2	2.621	2.618	0.003	1209474	2.00	1.94	
2	2.835	2.836	-0.001	2699565	2.00	1.93	
		Average of Peak Amounts =				1.88	
						RPD = 0.36	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
14 PCB-1268							
1	5.557	5.558	-0.001	5659210	2.00	1.99	
1	5.601	5.602	-0.001	5221793	2.00	1.75	
1	5.859	5.858	0.001	4602534	2.00	1.99	
1	6.042	6.041	0.001	1902928	2.00	1.89	
1	6.448	6.448	0.000	15051200	2.00	1.83	
		Average of Peak Amounts =				1.89	
2	4.904	4.904	0.000	8368814	2.00	2.00	
2	4.943	4.941	0.001	8831757	2.00	1.77	
2	5.239	5.234	0.005	1919165	2.00	1.99	
2	5.333	5.332	0.000	3278797	2.00	1.99	
2	5.605	5.604	0.001	25388818	2.00	1.96	
		Average of Peak Amounts =				1.94	
						RPD = 2.71	

Reagents:

42-68w/IS@2.0_00009 Amount Added: 1.00 Units: mL

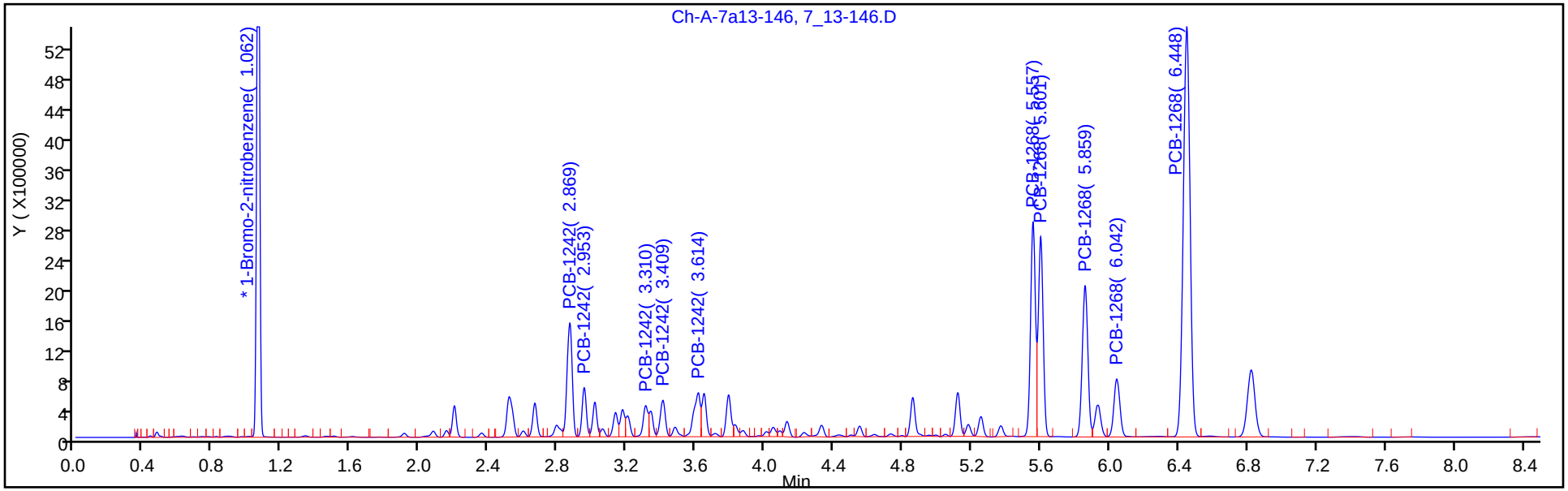
Report Date: 08-May-2018 17:37:53 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

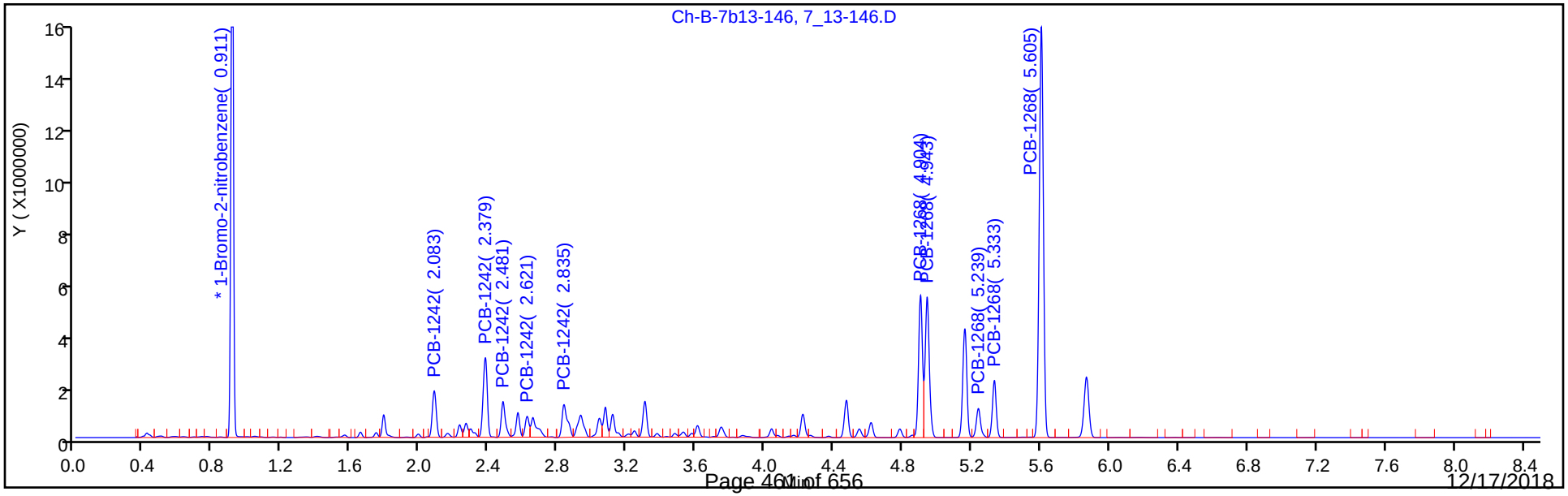
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-146.D

Injection Date:	07-May-2018 19:45:20	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	24
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-147.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 07-May-2018 20:01:18 ALS Bottle#: 0 Worklist Smp#: 25
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub9

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-May-2018 17:37:55 Calib Date: 07-May-2018 21:20:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-152.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK051

First Level Reviewer: RudzG Date: 08-May-2018 17:32:00

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	1.063	1.063	0.000	11694372	0.5000	0.5000	
2	0.911	0.912	-0.001	25943992	0.5000	0.5000	
						RPD = 0.00	
8 PCB-1242							
1	2.870	2.869	0.001	1040800	0.5000	0.5019	
1	2.953	2.957	-0.004	386492	0.5000	0.5613	
1	3.311	3.303	0.008	279926	0.5000	0.4799	
1	3.410	3.408	0.002	338069	0.5000	0.5603	
1	3.615	3.613	0.003	505525	0.5000	0.5116	
		Average of Peak Amounts =				0.5230	
2	2.083	2.083	0.000	1001741	0.5000	0.5781	
2	2.379	2.379	0.000	1647245	0.5000	0.5389	
2	2.481	2.482	-0.001	803920	0.5000	0.5002	
2	2.621	2.618	0.003	451666	0.5000	0.5648	
2	2.834	2.836	-0.002	961584	0.5000	0.5697	
		Average of Peak Amounts =				0.5503	
						RPD = 5.09	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
14 PCB-1268							
1	5.558	5.558	0.000	1659298	0.5000	0.5065	
1	5.602	5.602	0.000	1537847	0.5000	0.4522	
1	5.859	5.858	0.001	1365402	0.5000	0.5113	
1	6.046	6.041	0.005	562345	0.5000	0.4904	
1	6.448	6.448	0.000	4401394	0.5000	0.4709	
		Average of Peak Amounts =				0.4863	
2	4.904	4.904	0.000	2538616	0.5000	0.4955	
2	4.943	4.941	0.002	2686613	0.5000	0.4522	
2	5.239	5.234	0.005	634766	0.5000	0.5080	
2	5.332	5.332	0.000	1017678	0.5000	0.5111	
2	5.604	5.604	0.000	7298991	0.5000	0.4728	
		Average of Peak Amounts =				0.4879	
						RPD = 0.34	

Reagents:

42-68w/IS@0.5_00021 Amount Added: 1.00 Units: mL

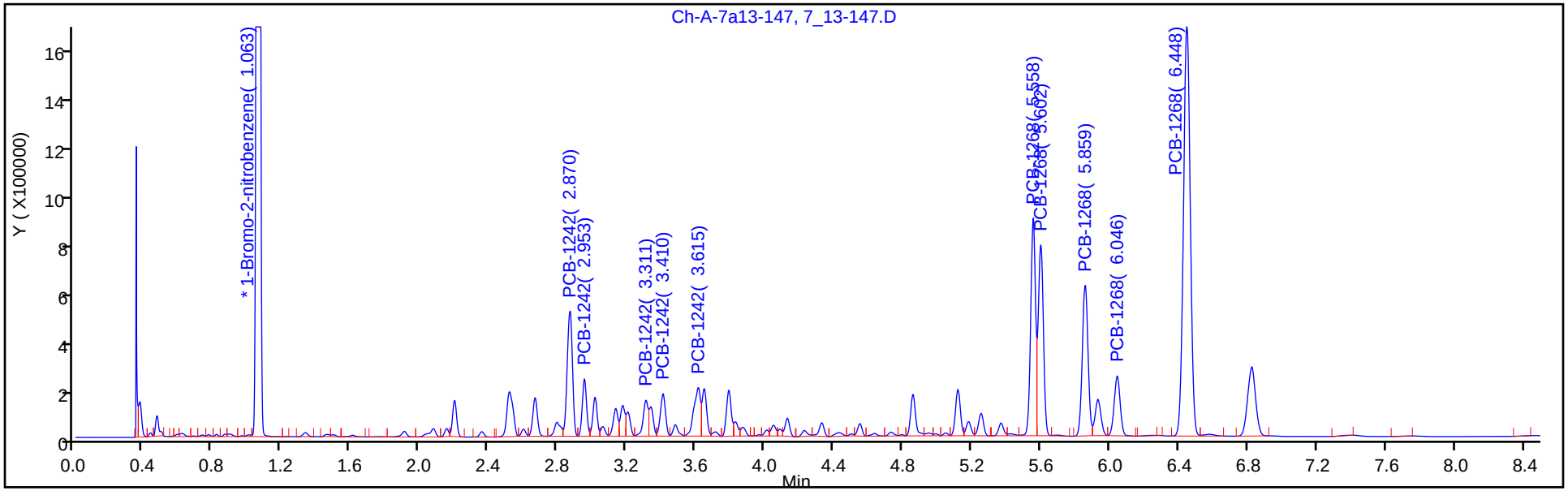
Report Date: 08-May-2018 17:37:56 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

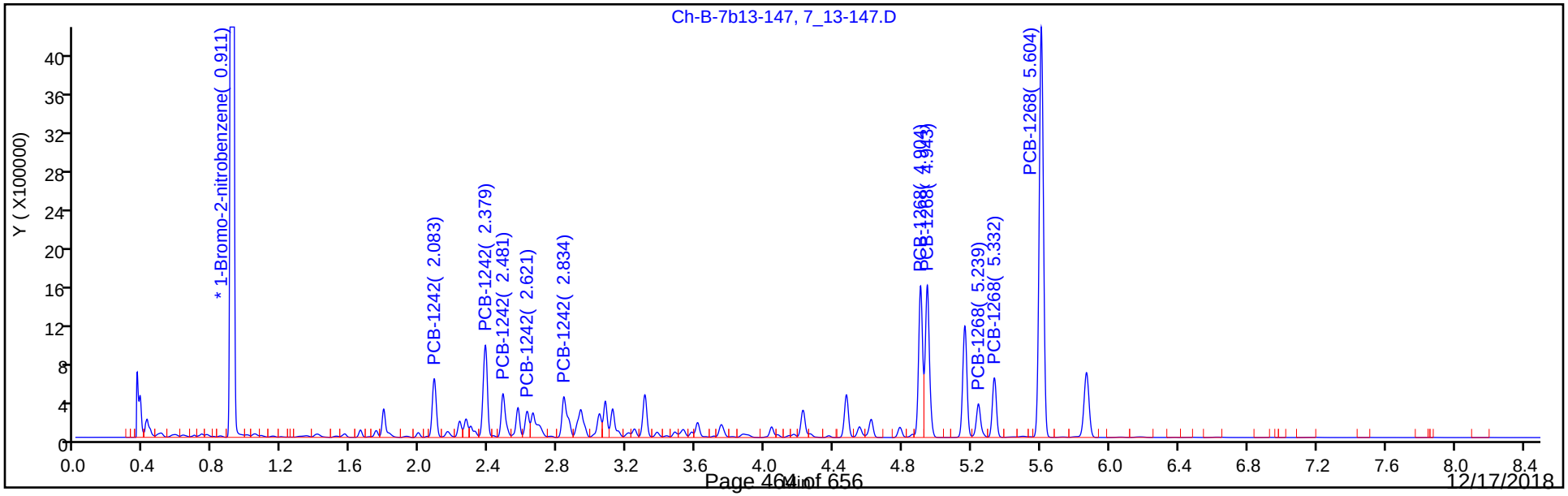
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-147.D

Injection Date:	07-May-2018 20:01:18	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	25
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-148.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 07-May-2018 20:17:08 ALS Bottle#: 0 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub9

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-May-2018 17:50:36 Calib Date: 07-May-2018 21:20:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-152.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK051

First Level Reviewer: salversonj Date: 08-May-2018 06:57:22

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	1.063	1.063	0.000	10709020	0.5000	0.5000	
2	0.912	0.912	0.000	22977021	0.5000	0.5000	
						RPD = 0.00	
8 PCB-1242							Ma
1	2.869	2.869	0.000	42469	0.0200	0.0224	M
1	2.957	2.957	0.000	25344	0.0200	0.0181	M
1	3.303	3.303	0.000	73756	0.0200	0.0206	M
1	3.408	3.408	0.000	18390	0.0200	0.0182	M
1	3.613	3.613	0.000	19702	0.0200	0.0218	M
		Average of Peak Amounts =				0.0202	
2	2.083	2.083	0.000	46977	0.0200	0.0176	
2	2.379	2.379	0.000	83091	0.0200	0.0188	
2	2.482	2.482	0.000	33538	0.0200	0.0236	
2	2.618	2.618	0.000	51269	0.0200	0.0180	a
2	2.836	2.836	0.000	43560	0.0200	0.0179	
		Average of Peak Amounts =				0.0192	
						RPD = 5.20	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
14 PCB-1268							M
1	5.558	5.558	0.000	85642	0.0200	0.0198	M
1	5.602	5.602	0.000	76059	0.0200	0.0244	M
1	5.858	5.858	0.000	69571	0.0200	0.0197	M
1	6.041	6.041	0.000	22560	0.0200	0.0215	M
1	6.448	6.448	0.000	195378	0.0200	0.0228	M
		Average of Peak Amounts =				0.0216	
2	4.904	4.904	0.000	175998	0.0200	0.0201	
2	4.941	4.941	0.000	127422	0.0200	0.0242	
2	5.234	5.234	0.000	81272	0.0200	0.0198	
2	5.332	5.332	0.000	51360	0.0200	0.0197	
2	5.604	5.604	0.000	293964	0.0200	0.0215	
		Average of Peak Amounts =				0.0211	
						RPD = 2.74	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

42-68w/IS@.02_00009 Amount Added: 1.00 Units: mL

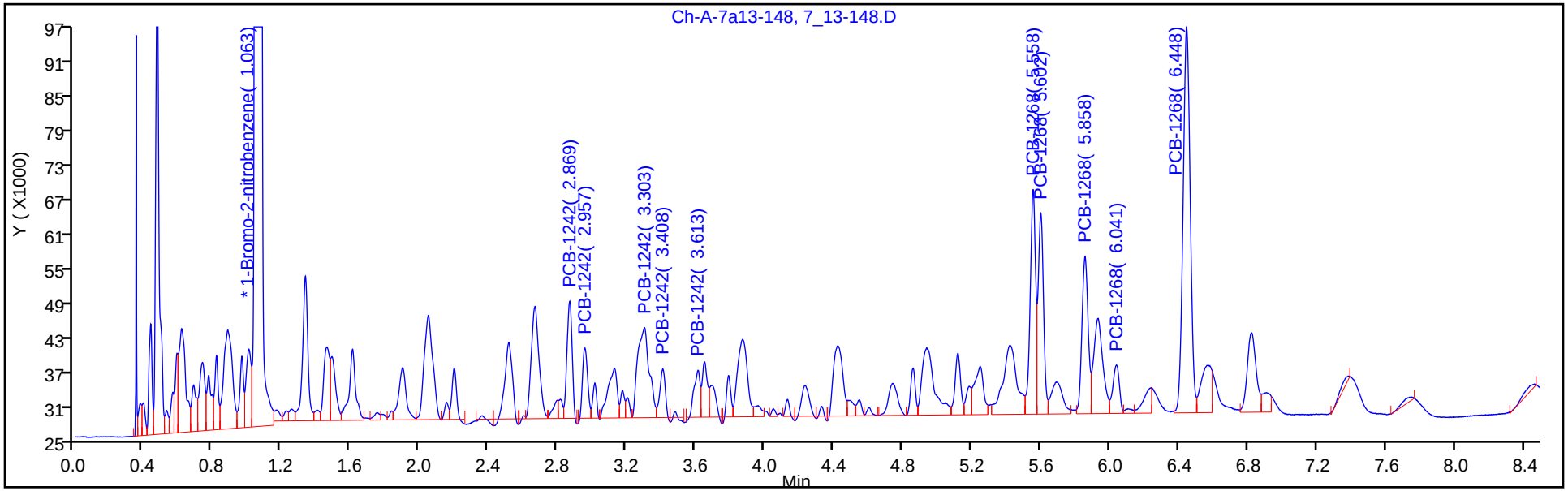
Report Date: 08-May-2018 17:50:37 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

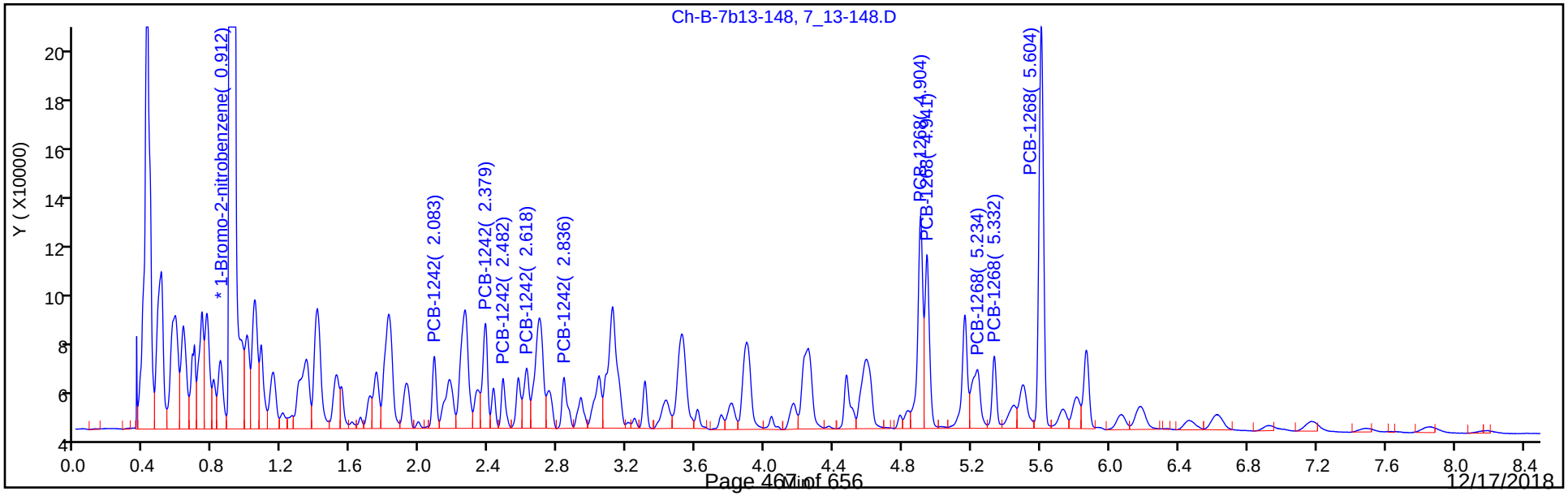
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-148.D

Injection Date:	07-May-2018 20:17:08	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC			Worklist Smp#:	26
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 08-May-2018 17:50:37 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-148.D

Injection Date: 07-May-2018 20:17:08 Instrument ID: HP6890-7

Lims ID: IC

Client ID:

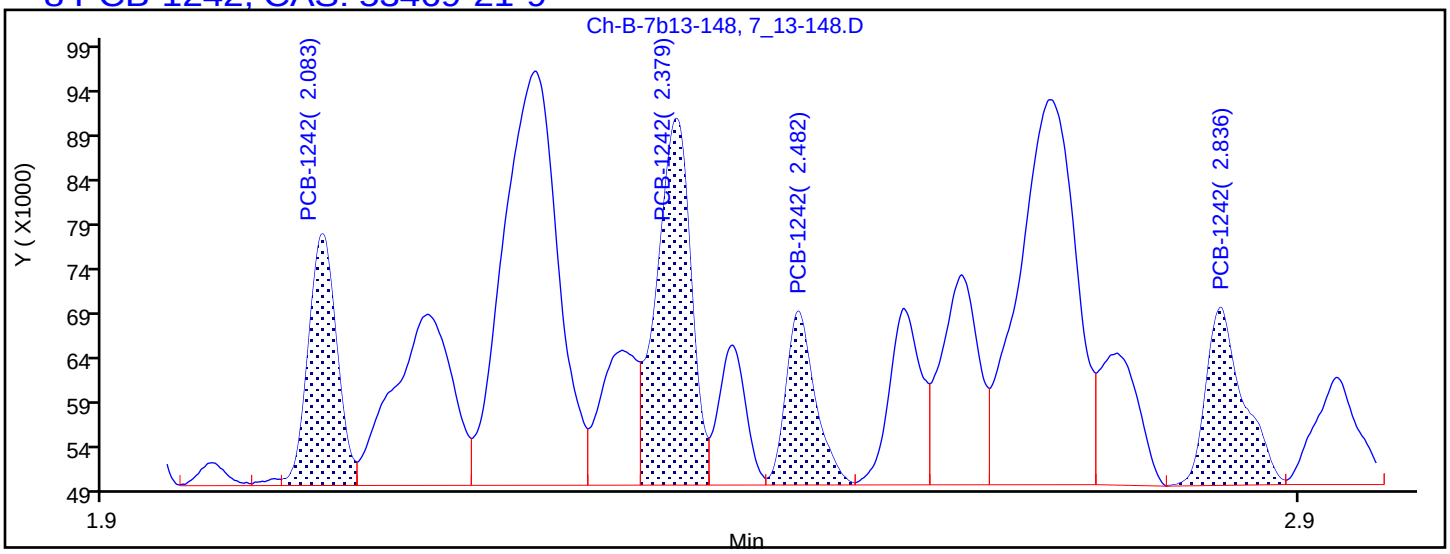
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 26

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

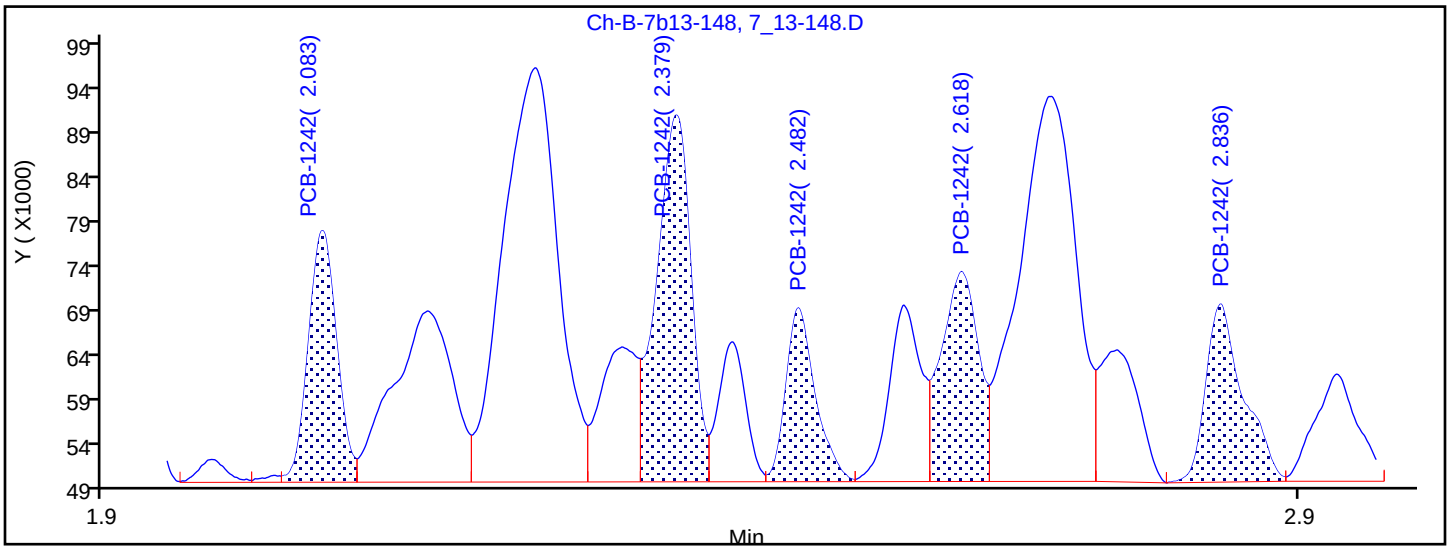
Column: Detector Ch-B-7b136

8 PCB-1242, CAS: 53469-21-9



Processing Integration Results

2.083	Response = 46977
2.379	Response = 83091
2.482	Response = 33538
2.618	Response = 0
2.836	Response = 43560



Manual Integration Results

2.083	Response = 46977	
2.379	Response = 83091	
2.482	Response = 33538	
2.618	Response = 51269	M
2.836	Response = 43560	

Reviewer: RudzG, 08-May-2018 17:31:15

Audit Action: Assigned Compound ID Audit Reason:

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1 Analy Batch No.: 413004

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2018 20:48 Calibration End Date: 05/07/2018 21:20 Calibration ID: 33783

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-413004/30	7_13-152.D
Level 2	IC 480-413004/29	7_13-151.D
Level 3	IC 480-413004/28	7_13-150.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	0.1747	0.0481	0.0474			Lin1	0.0025	0.0455							0.9990		0.9900
PCB-1248 Peak 2	0.0535	0.0382	0.0390			Ave		0.0435				19.8		20.0			
PCB-1248 Peak 3	0.0527	0.0638	0.0671			Ave		0.0612				12.4		20.0			
PCB-1248 Peak 4	0.0379	0.0435	0.0454			Ave		0.0422				9.2		20.0			
PCB-1248 Peak 5	0.0540	0.0396	0.0423			Ave		0.0453				16.9		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.: 480-145287-1 Analy Batch No.: 413004

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2018 20:48 Calibration End Date: 05/07/2018 21:20 Calibration ID: 33783

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-413004/30	7_13-152.D
Level 2	IC 480-413004/29	7_13-151.D
Level 3	IC 480-413004/28	7_13-150.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	69398	546061	1923926			0.0200	0.500	2.00		
PCB-1248 Peak 2	BNB	Ave	21240	432960	1584336			0.0200	0.500	2.00		
PCB-1248 Peak 3	BNB	Ave	20911	723686	2726034			0.0200	0.500	2.00		
PCB-1248 Peak 4	BNB	Ave	15041	493378	1842832			0.0200	0.500	2.00		
PCB-1248 Peak 5	BNB	Ave	21456	449476	1719569			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\HP6890-07\20180507-71316.b\7_13-150.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 07-May-2018 20:48:59 ALS Bottle#: 0 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub10

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-May-2018 12:40:21 Calib Date: 07-May-2018 21:20:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-152.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: salversonj Date: 08-May-2018 12:11:38

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	1.062	1.063	0.000	10156816	0.5000	0.5000	
2	0.911	0.912	-0.001	21783536	0.5000	0.5000	
						RPD = 0.00	
10 PCB-1248							
1	3.310	3.303	0.008	1923926	2.00	2.03	
1	3.409	3.407	0.002	1584336	2.00	1.79	
1	3.614	3.613	0.002	2726034	2.00	2.19	
1	3.649	3.647	0.002	1842832	2.00	2.15	
1	3.791	3.789	0.002	1719569	2.00	1.87	
		Average of Peak Amounts =				2.01	
2	2.081	2.081	0.000	1517221	2.00	1.99	
2	2.378	2.378	0.000	3440851	2.00	2.03	
2	2.932	2.933	0.000	3236071	2.00	1.82	
2	3.075	3.078	-0.003	3045612	2.00	2.03	
2	3.303	3.303	0.000	3682870	2.00	1.87	
		Average of Peak Amounts =				1.95	
						RPD = 2.82	

Reagents:

1248w/IS@ 2.0_00008 Amount Added: 1.00 Units: mL

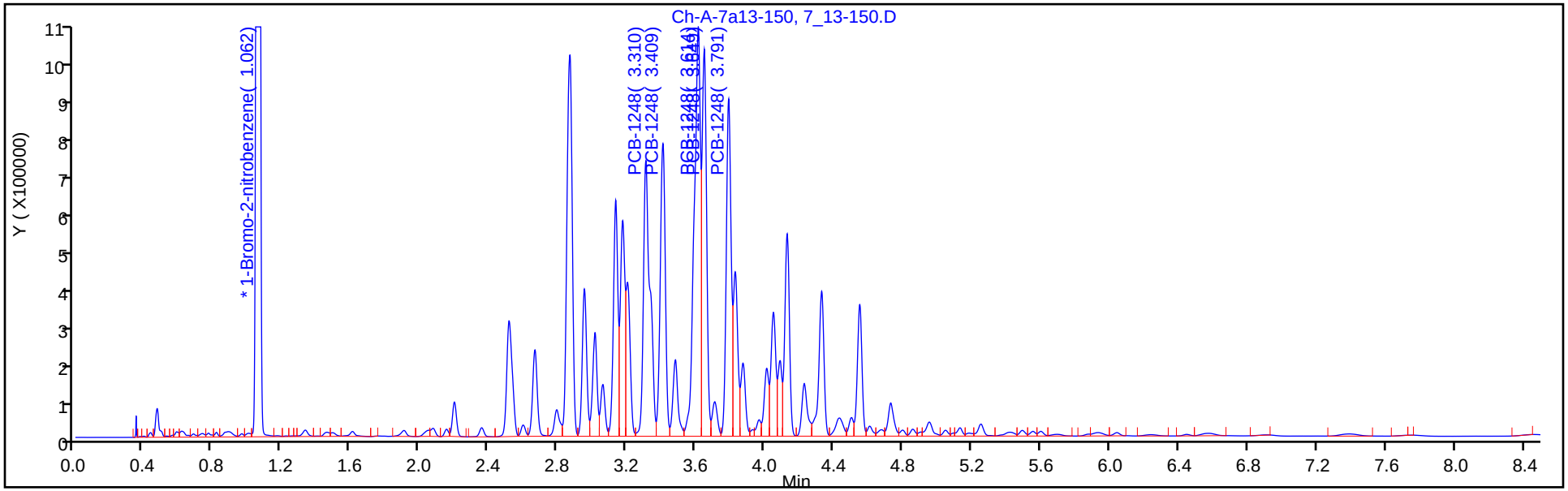
Report Date: 08-May-2018 12:40:22 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

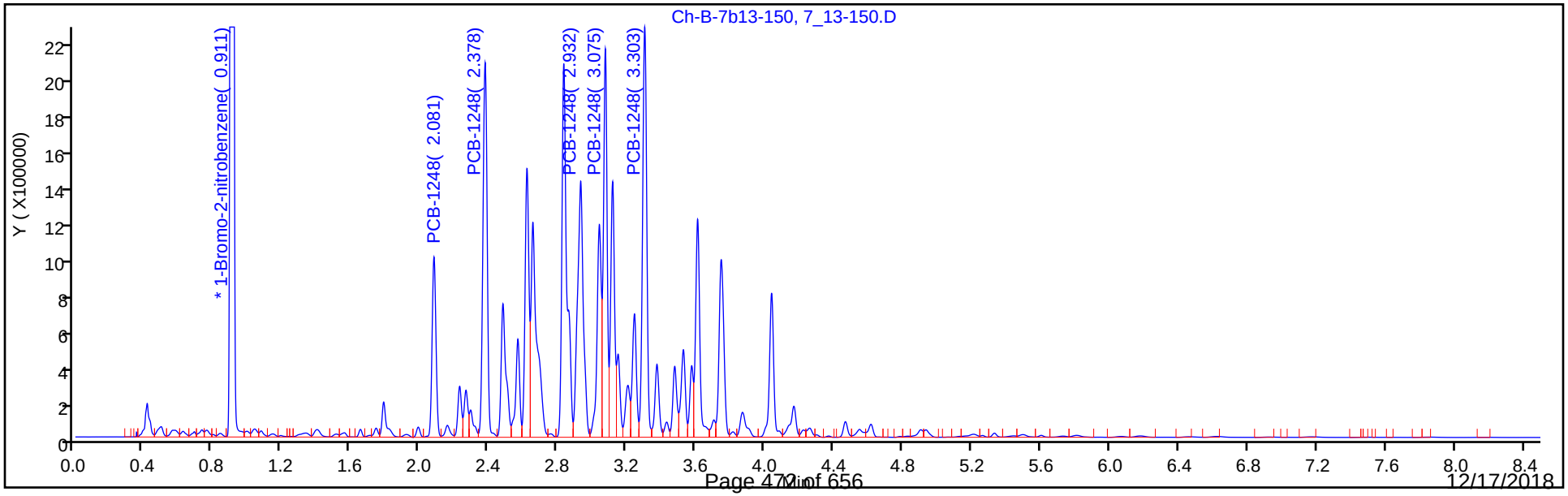
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-150.D

Injection Date:	07-May-2018 20:48:59	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	28
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-151.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 07-May-2018 21:05:04 ALS Bottle#: 0 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub10

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-May-2018 12:40:25 Calib Date: 07-May-2018 21:20:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-152.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: salversonj Date: 08-May-2018 12:11:54

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	1.062	1.063	0.000	11346098	0.5000	0.5000	
2	0.910	0.912	-0.002	25275531	0.5000	0.5000	
						RPD = 0.00	
10 PCB-1248							
1	3.310	3.303	0.008	546061	0.5000	0.4730	
1	3.410	3.407	0.003	432960	0.5000	0.4382	
1	3.615	3.613	0.003	723686	0.5000	0.5213	
1	3.650	3.647	0.003	493378	0.5000	0.5148	
1	3.792	3.789	0.003	449476	0.5000	0.4370	
		Average of Peak Amounts =				0.4769	
2	2.080	2.081	-0.001	455872	0.5000	0.5057	
2	2.378	2.378	0.000	941067	0.5000	0.4693	
2	2.932	2.933	0.000	916067	0.5000	0.4447	
2	3.075	3.078	-0.003	835494	0.5000	0.4713	
2	3.303	3.303	0.000	1002332	0.5000	0.4392	
		Average of Peak Amounts =				0.4660	
						RPD = 2.29	

Reagents:

1248w/IS@ 0.5_00021 Amount Added: 1.00 Units: mL

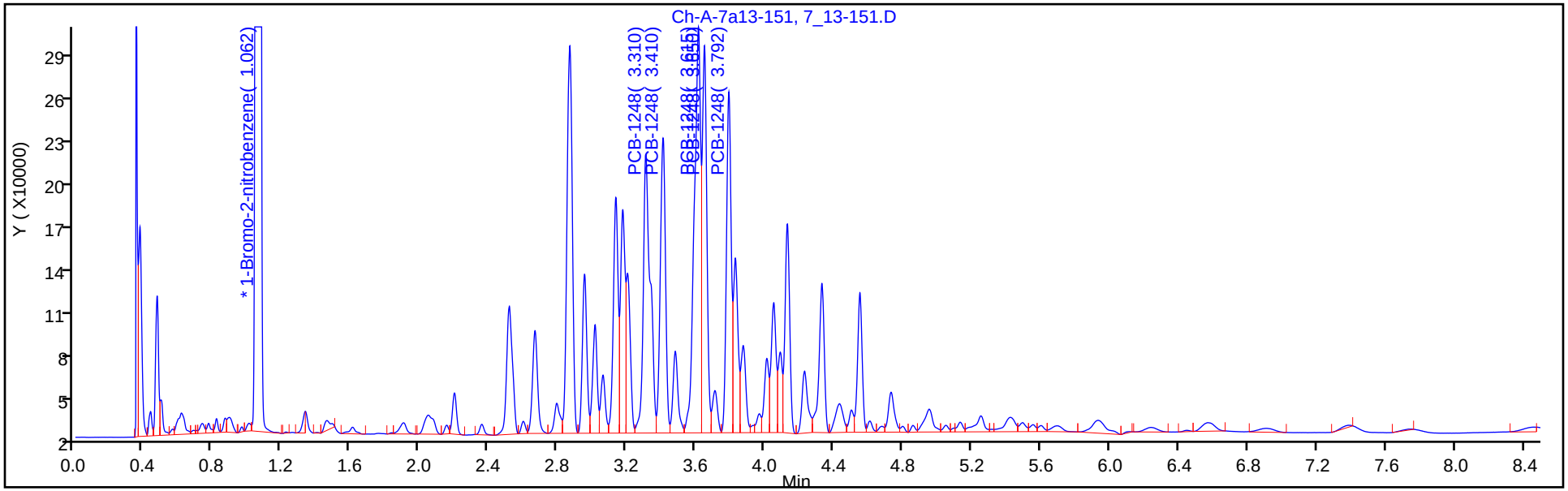
Report Date: 08-May-2018 12:40:25 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

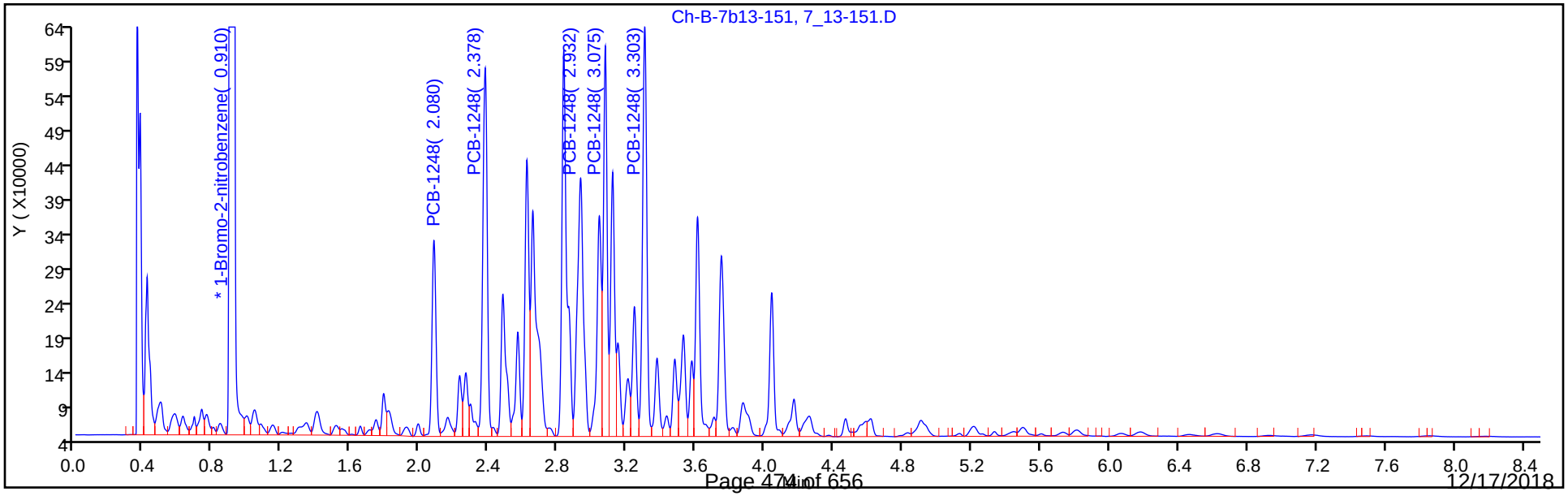
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-151.D

Injection Date:	07-May-2018 21:05:04	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	29
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-152.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 07-May-2018 21:20:53 ALS Bottle#: 0 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub10

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-May-2018 12:40:27 Calib Date: 07-May-2018 21:20:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-152.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: salversonj Date: 08-May-2018 06:57:52

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	1.061	1.061	0.000	9929106	0.5000	0.5000	
2	0.911	0.911	0.000	21105799	0.5000	0.5000	
						RPD = 0.00	
10 PCB-1248							
1	3.303	3.303	0.000	69398	0.0200	0.0208	
1	3.407	3.407	0.000	21240	0.0200	0.0246	
1	3.613	3.613	0.000	20911	0.0200	0.0172	
1	3.647	3.647	0.000	15041	0.0200	0.0179	
1	3.789	3.789	0.000	21456	0.0200	0.0238	
		Average of Peak Amounts =				0.0209	
2	2.081	2.081	0.000	25101	0.0200	0.0198	
2	2.378	2.378	0.000	53688	0.0200	0.0209	
2	2.933	2.933	0.000	41254	0.0200	0.0240	
2	3.078	3.078	0.000	45707	0.0200	0.0209	
2	3.303	3.303	0.000	45188	0.0200	0.0237	
		Average of Peak Amounts =				0.0219	
						RPD = 4.64	

Reagents:

1248w/IS@ .02_00008 Amount Added: 1.00 Units: mL

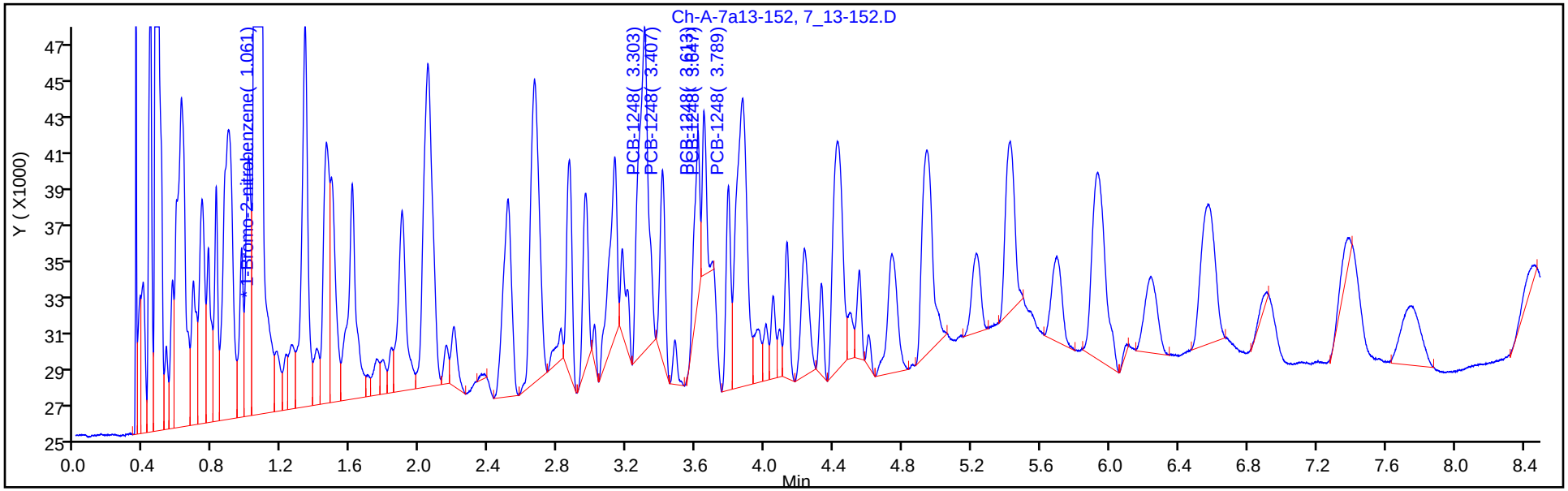
Report Date: 08-May-2018 12:40:28 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

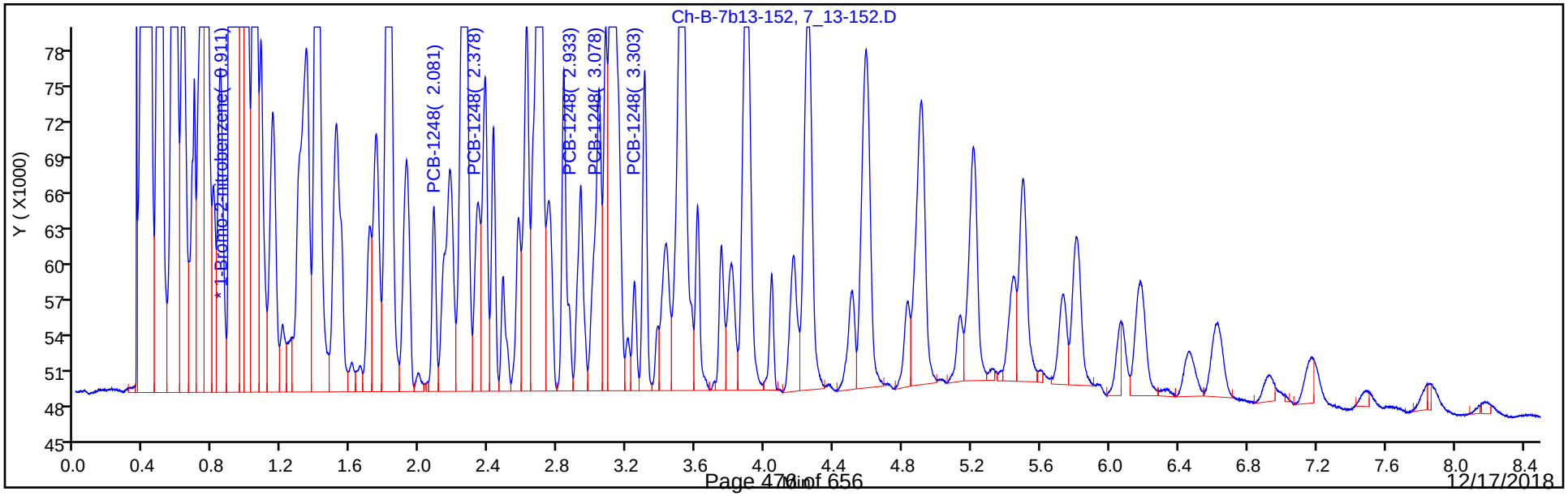
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-152.D

Injection Date:	07-May-2018 21:20:53	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 1			Worklist Smp#:	30
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1 Analy Batch No.: 413004

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2018 20:48 Calibration End Date: 05/07/2018 21:20 Calibration ID: 33784

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-413004/30	7_13-152.D
Level 2	IC 480-413004/29	7_13-151.D
Level 3	IC 480-413004/28	7_13-150.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	0.0297	0.0180	0.0174			Lin1	0.0003	0.0173							1.0000		0.9900
PCB-1248 Peak 2	0.0636	0.0372	0.0395			Lin1	0.0005	0.0387							0.9990		0.9900
PCB-1248 Peak 3	0.0489	0.0362	0.0371			Ave		0.0407				17.3		20.0			
PCB-1248 Peak 4	0.0541	0.0331	0.0350			Lin1	0.0004	0.0343							0.9990		0.9900
PCB-1248 Peak 5	0.0535	0.0397	0.0423			Ave		0.0451				16.3		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.: 480-145287-1 Analy Batch No.: 413004

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2018 20:48 Calibration End Date: 05/07/2018 21:20 Calibration ID: 33784

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-413004/30	7_13-152.D
Level 2	IC 480-413004/29	7_13-151.D
Level 3	IC 480-413004/28	7_13-150.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	25101	455872	1517221			0.0200	0.500	2.00		
PCB-1248 Peak 2	BNB	Lin1	53688	941067	3440851			0.0200	0.500	2.00		
PCB-1248 Peak 3	BNB	Ave	41254	916067	3236071			0.0200	0.500	2.00		
PCB-1248 Peak 4	BNB	Lin1	45707	835494	3045612			0.0200	0.500	2.00		
PCB-1248 Peak 5	BNB	Ave	45188	1002332	3682870			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\HP6890-07\20180507-71316.b\7_13-150.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 07-May-2018 20:48:59 ALS Bottle#: 0 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub10

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-May-2018 12:40:21 Calib Date: 07-May-2018 21:20:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-152.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: salversonj Date: 08-May-2018 12:11:38

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	1.062	1.063	0.000	10156816	0.5000	0.5000	
2	0.911	0.912	-0.001	21783536	0.5000	0.5000	
						RPD = 0.00	
10 PCB-1248							
1	3.310	3.303	0.008	1923926	2.00	2.03	
1	3.409	3.407	0.002	1584336	2.00	1.79	
1	3.614	3.613	0.002	2726034	2.00	2.19	
1	3.649	3.647	0.002	1842832	2.00	2.15	
1	3.791	3.789	0.002	1719569	2.00	1.87	
		Average of Peak Amounts =				2.01	
2	2.081	2.081	0.000	1517221	2.00	1.99	
2	2.378	2.378	0.000	3440851	2.00	2.03	
2	2.932	2.933	0.000	3236071	2.00	1.82	
2	3.075	3.078	-0.003	3045612	2.00	2.03	
2	3.303	3.303	0.000	3682870	2.00	1.87	
		Average of Peak Amounts =				1.95	
						RPD = 2.82	

Reagents:

1248w/IS@ 2.0_00008 Amount Added: 1.00 Units: mL

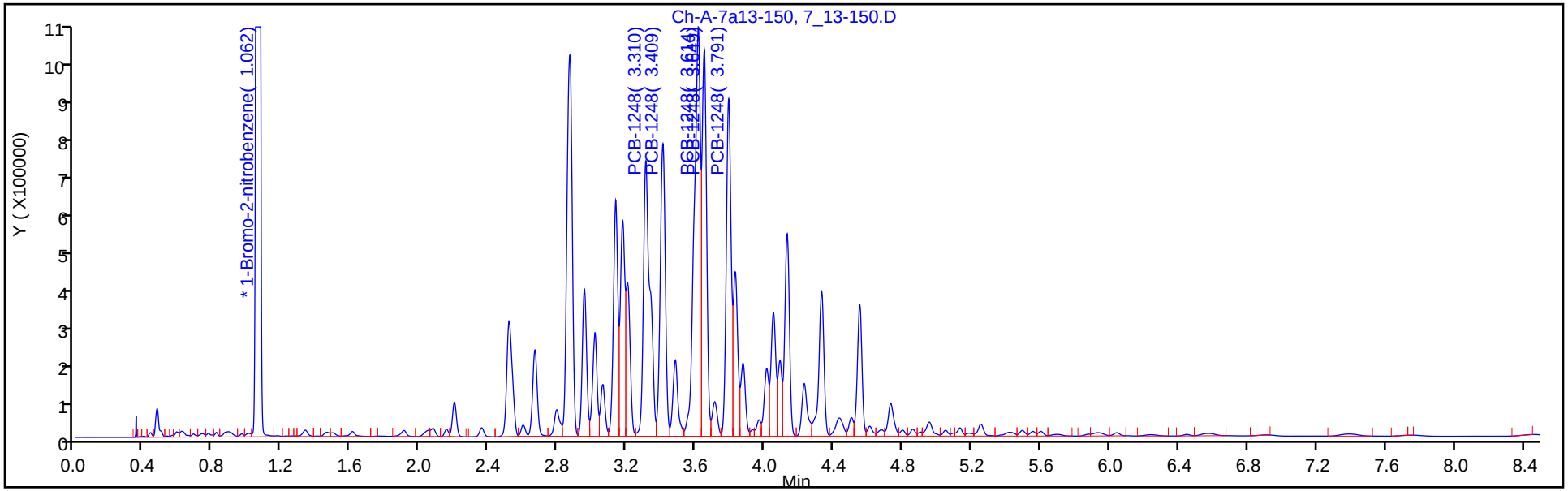
Report Date: 08-May-2018 12:40:22 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

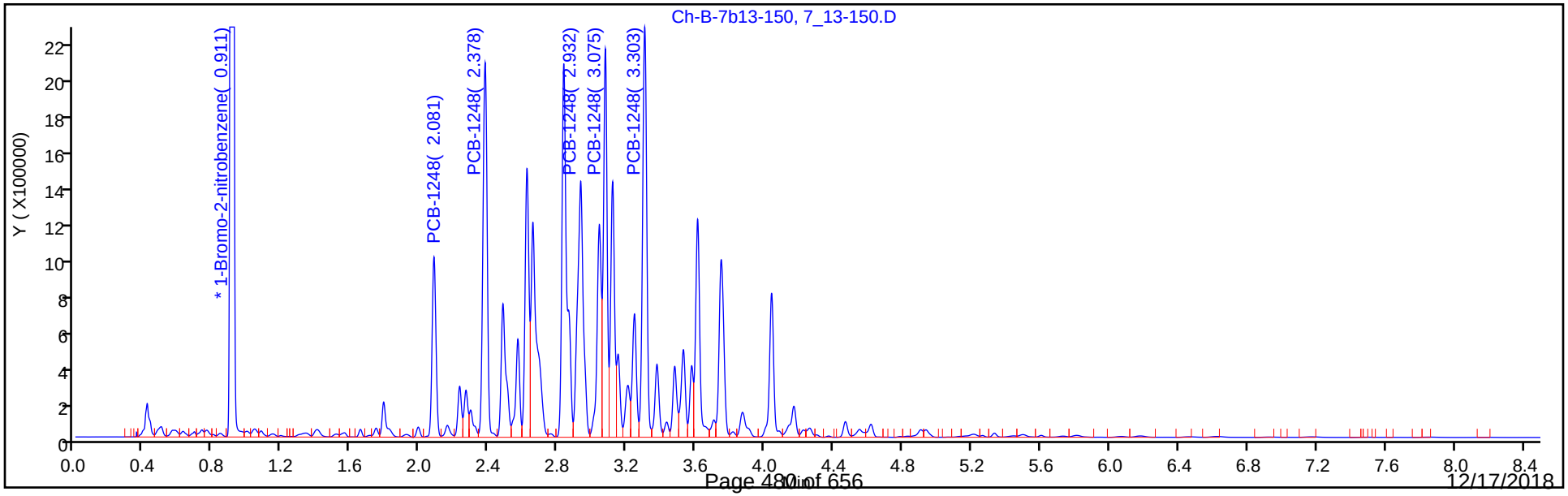
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-150.D

Injection Date:	07-May-2018 20:48:59	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	28
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-151.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 07-May-2018 21:05:04 ALS Bottle#: 0 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub10

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-May-2018 12:40:25 Calib Date: 07-May-2018 21:20:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-152.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: salversonj Date: 08-May-2018 12:11:54

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	1.062	1.063	0.000	11346098	0.5000	0.5000	
2	0.910	0.912	-0.002	25275531	0.5000	0.5000	
						RPD = 0.00	
10 PCB-1248							
1	3.310	3.303	0.008	546061	0.5000	0.4730	
1	3.410	3.407	0.003	432960	0.5000	0.4382	
1	3.615	3.613	0.003	723686	0.5000	0.5213	
1	3.650	3.647	0.003	493378	0.5000	0.5148	
1	3.792	3.789	0.003	449476	0.5000	0.4370	
		Average of Peak Amounts =				0.4769	
2	2.080	2.081	-0.001	455872	0.5000	0.5057	
2	2.378	2.378	0.000	941067	0.5000	0.4693	
2	2.932	2.933	0.000	916067	0.5000	0.4447	
2	3.075	3.078	-0.003	835494	0.5000	0.4713	
2	3.303	3.303	0.000	1002332	0.5000	0.4392	
		Average of Peak Amounts =				0.4660	
						RPD = 2.29	

Reagents:

1248w/IS@ 0.5_00021 Amount Added: 1.00 Units: mL

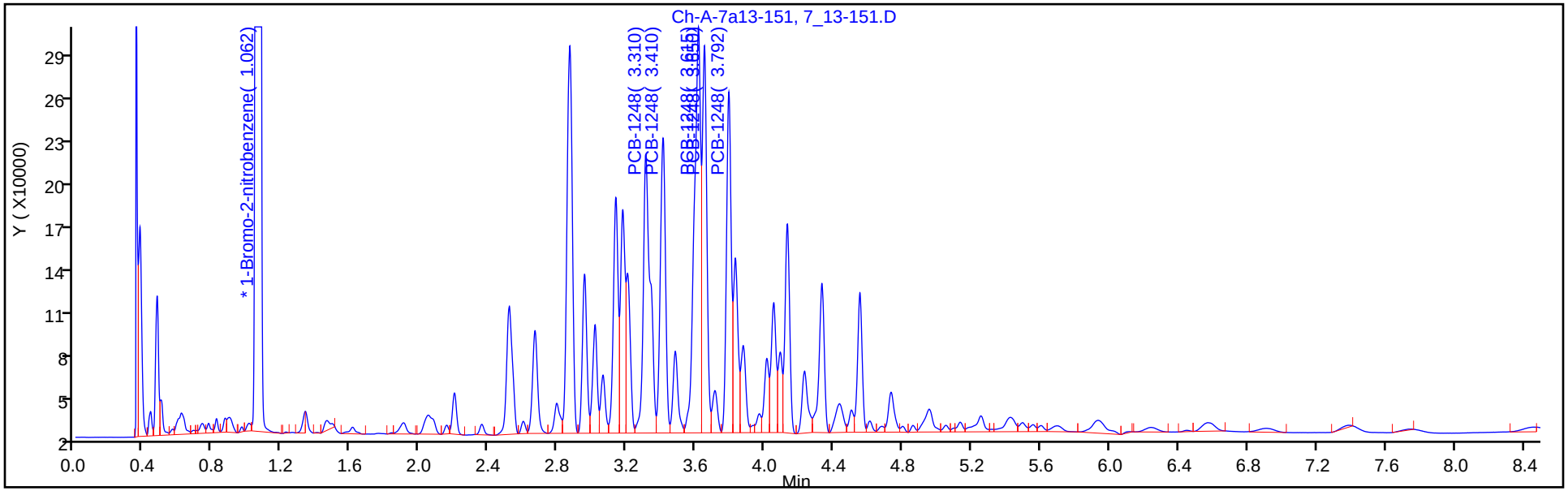
Report Date: 08-May-2018 12:40:25 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

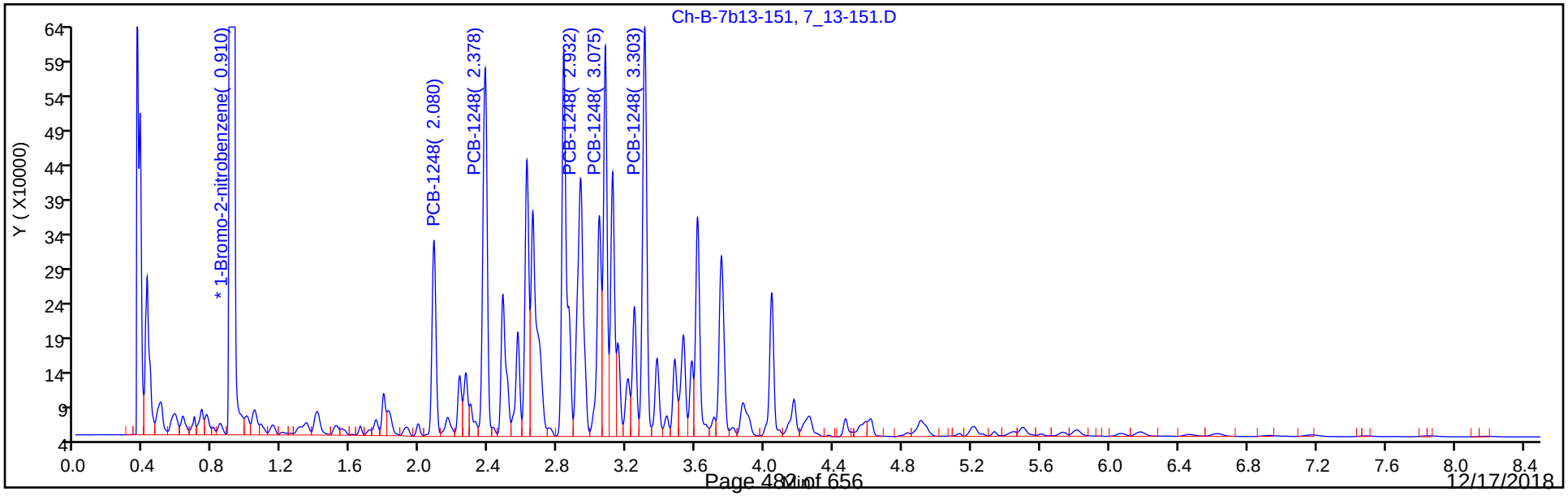
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-151.D

Injection Date:	07-May-2018 21:05:04	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	29
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-152.D
Lims ID: IC 1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 07-May-2018 21:20:53 ALS Bottle#: 0 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub10

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 08-May-2018 12:40:27 Calib Date: 07-May-2018 21:20:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-152.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: salversonj Date: 08-May-2018 06:57:52

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	1.061	1.061	0.000	9929106	0.5000	0.5000	
2	0.911	0.911	0.000	21105799	0.5000	0.5000	
						RPD = 0.00	
10 PCB-1248							
1	3.303	3.303	0.000	69398	0.0200	0.0208	
1	3.407	3.407	0.000	21240	0.0200	0.0246	
1	3.613	3.613	0.000	20911	0.0200	0.0172	
1	3.647	3.647	0.000	15041	0.0200	0.0179	
1	3.789	3.789	0.000	21456	0.0200	0.0238	
		Average of Peak Amounts =				0.0209	
2	2.081	2.081	0.000	25101	0.0200	0.0198	
2	2.378	2.378	0.000	53688	0.0200	0.0209	
2	2.933	2.933	0.000	41254	0.0200	0.0240	
2	3.078	3.078	0.000	45707	0.0200	0.0209	
2	3.303	3.303	0.000	45188	0.0200	0.0237	
		Average of Peak Amounts =				0.0219	
						RPD = 4.64	

Reagents:

1248w/IS@ .02_00008 Amount Added: 1.00 Units: mL

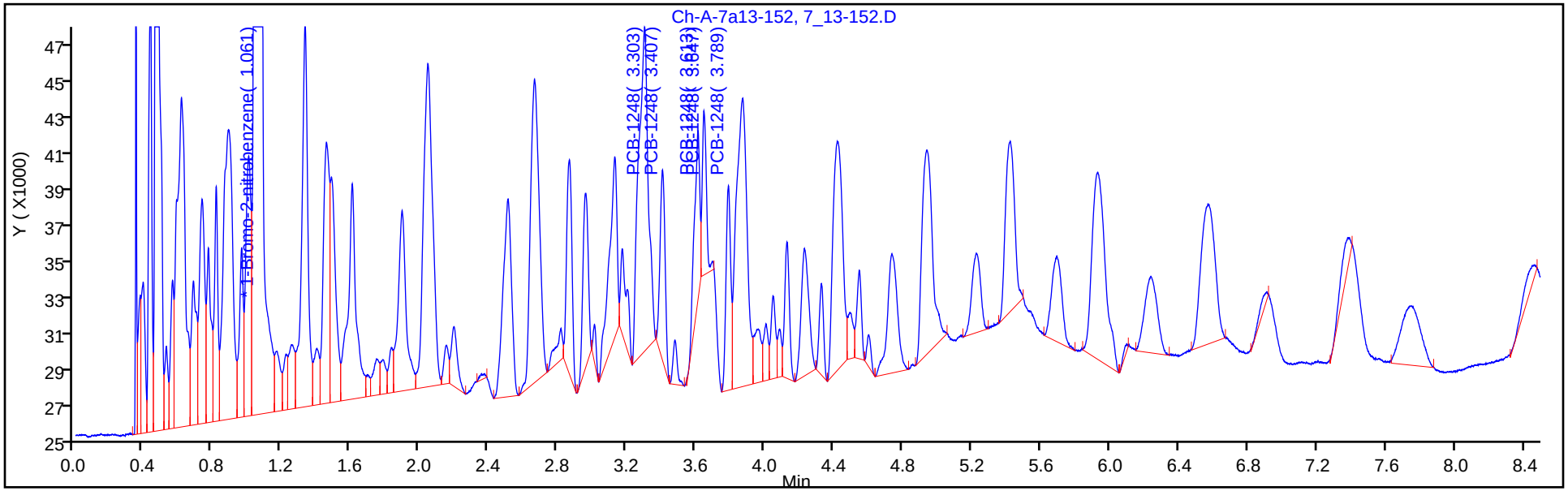
Report Date: 08-May-2018 12:40:28 Chrom Revision: 2.2 26-Apr-2018 11:26:08

TestAmerica Buffalo

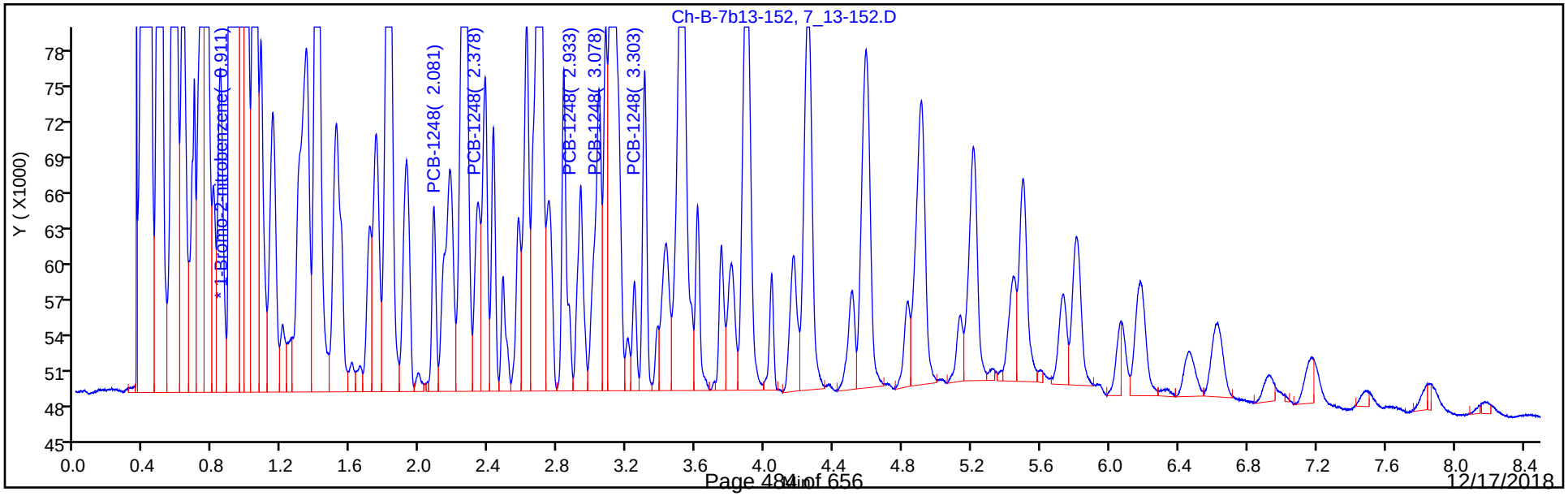
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180507-71316.b\7_13-152.D

Injection Date:	07-May-2018 21:20:53	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 1			Worklist Smp#:	30
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1 Analy Batch No.: 434717

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2018 15:22 Calibration End Date: 09/17/2018 16:42 Calibration ID: 34896

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-434717/16	7_26-061.D
Level 2	IC 480-434717/15	7_26-060.D
Level 3	IC 480-434717/14	7_26-059.D
Level 4	IC 480-434717/13	7_26-058.D
Level 5	IC 480-434717/12	7_26-057.D
Level 6	IC 480-434717/11	7_26-056.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Tetrachloro-m-xylene	1.4089 1.1714	1.3658	1.3436	1.2970	1.2329	Lin1	0.0004	1.1943							0.9980		0.9900
DCB Decachlorobiphenyl	0.8789 0.7558	0.8429	0.7870	0.7856	0.7503	Lin1	0.0002	0.7521							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.: 480-145287-1 Analy Batch No.: 434717

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2018 15:22 Calibration End Date: 09/17/2018 16:42 Calibration ID: 34896

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-434717/16	7_26-061.D
Level 2	IC 480-434717/15	7_26-060.D
Level 3	IC 480-434717/14	7_26-059.D
Level 4	IC 480-434717/13	7_26-058.D
Level 5	IC 480-434717/12	7_26-057.D
Level 6	IC 480-434717/11	7_26-056.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Tetrachloro-m-xylene	BNB	Lin1	51266 1808468	100122	196551	478618	944979	0.00125 0.0500	0.00250	0.00500	0.0125	0.0250
DCB Decachlorobiphenyl	BNB	Lin1	31982 1166903	61785	115128	289910	575035	0.00125 0.0500	0.00250	0.00500	0.0125	0.0250

Curve Type Legend:
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-056.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 17-Sep-2018 15:22:01 ALS Bottle#: 0 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub18

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 18-Sep-2018 13:40:11 Calib Date: 17-Sep-2018 16:57:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-062.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: CTX0309

First Level Reviewer: clarkda Date: 17-Sep-2018 15:43:33

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	1.008	0.999	0.009	15438584	0.5000	0.5000	
2	0.850	0.854	-0.004	37587353	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.872	1.856	0.016	1808468	0.0500	0.0487	
2	1.356	1.363	-0.006	4244938	0.0500	0.0481	
						RPD = 1.13	
$ 15 DCB Decachlorobiphenyl							
1	6.663	6.633	0.029	1166903	0.0500	0.0500	
2	5.724	5.720	0.004	1719470	0.0500	0.0487	
						RPD = 2.61	

Reagents:

8082_SURG.STK_00020 Amount Added: 0.25 Units: uL
PCB IS 1B2NB_00046 Amount Added: 10.00 Units: uL Run Reagent

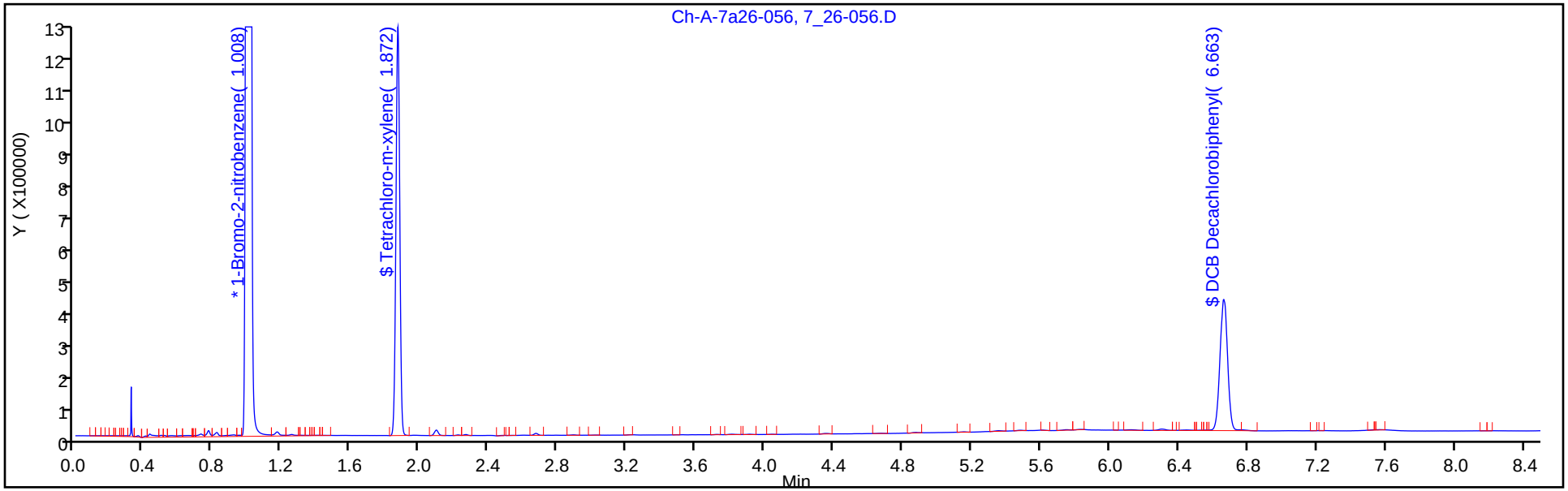
Report Date: 18-Sep-2018 13:40:11 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Buffalo

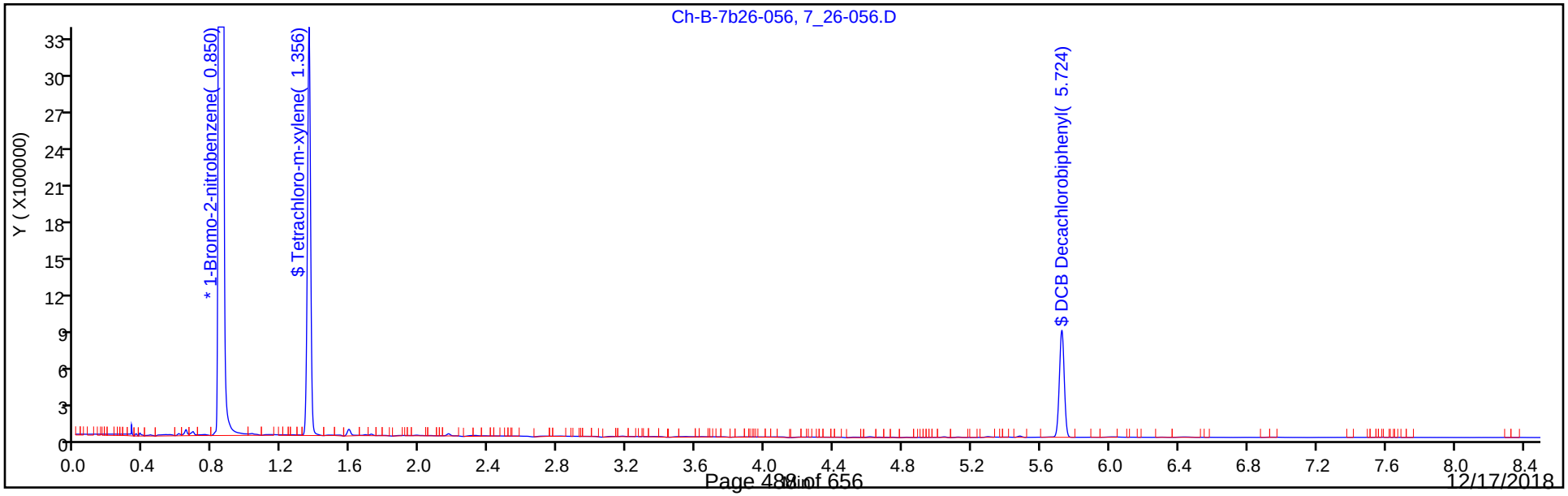
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-056.D

Injection Date:	17-Sep-2018 15:22:01	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 7			Worklist Smp#:	11
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-057.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 17-Sep-2018 15:38:00 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub18

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 18-Sep-2018 13:40:13 Calib Date: 17-Sep-2018 16:57:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-062.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: CTX0309

First Level Reviewer: clarkda Date: 18-Sep-2018 09:09:13

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	1.001	0.999	0.002	15329005	0.5000	0.5000	
2	0.853	0.854	-0.001	36319214	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.858	1.856	0.002	944979	0.0250	0.0255	
2	1.361	1.363	-0.001	2223292	0.0250	0.0258	
						RPD = 1.48	
$ 15 DCB Decachlorobiphenyl							
1	6.640	6.633	0.007	575035	0.0250	0.0247	
2	5.720	5.720	0.000	862883	0.0250	0.0249	
						RPD = 0.66	

Reagents:

8082_SURG.STK_00020 Amount Added: 0.13 Units: uL
PCB IS 1B2NB_00046 Amount Added: 10.00 Units: uL Run Reagent

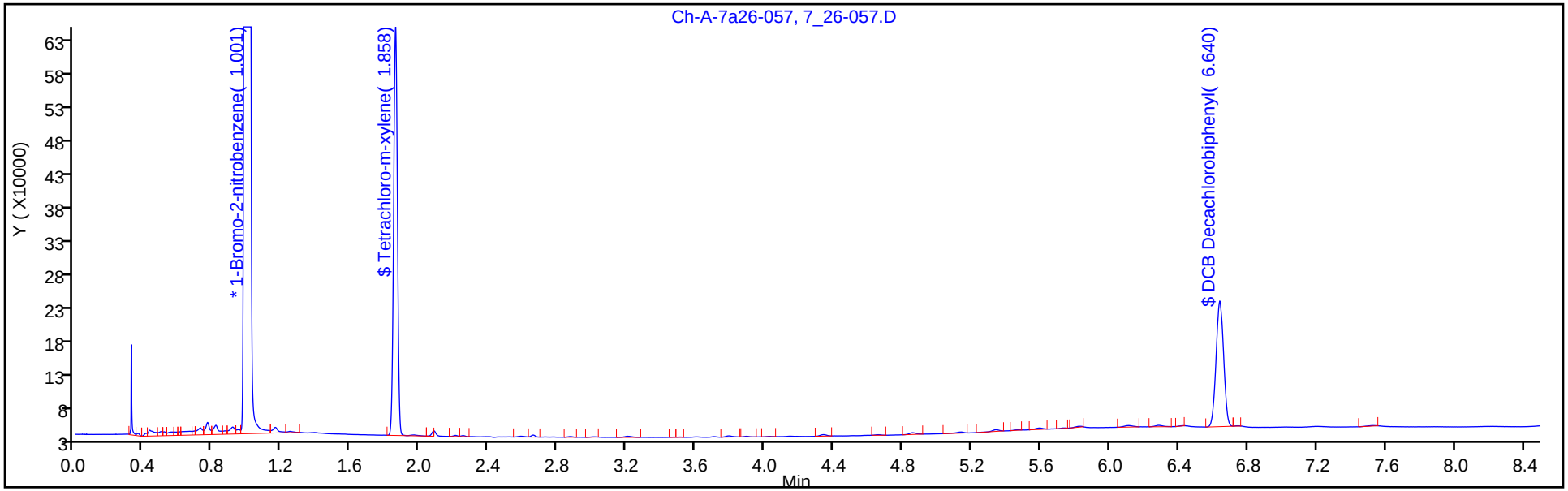
Report Date: 18-Sep-2018 13:40:13 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Buffalo

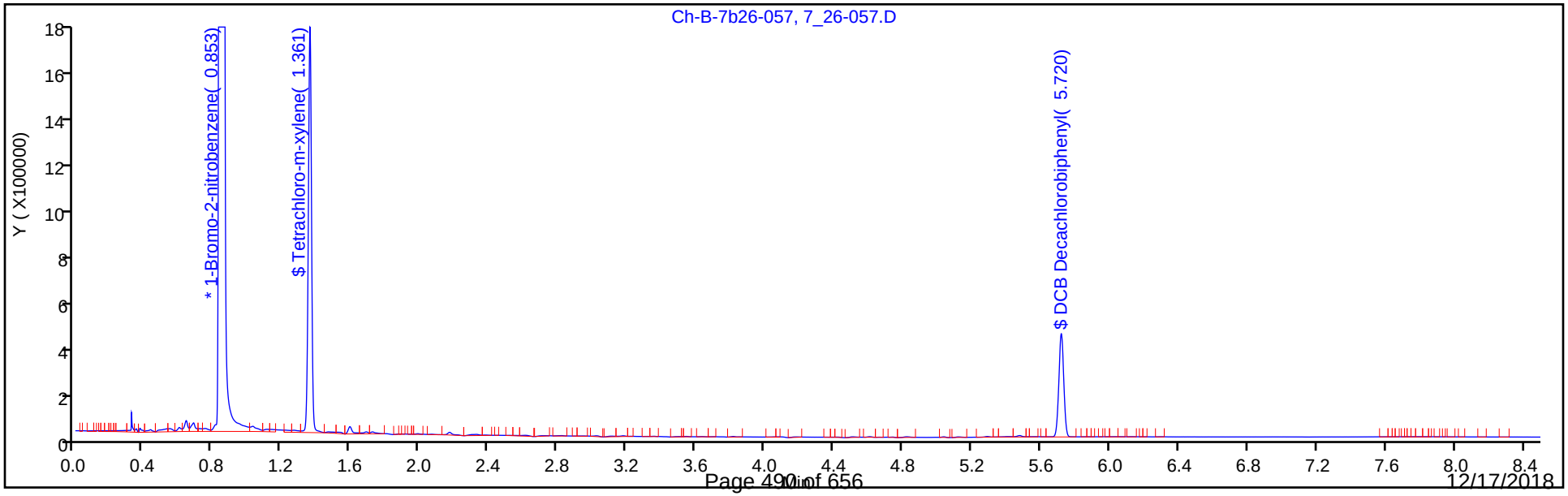
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-057.D

Injection Date:	17-Sep-2018 15:38:00	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 6			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-058.D
Lims ID: IC 5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 17-Sep-2018 15:53:59 ALS Bottle#: 0 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub18

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 18-Sep-2018 13:40:15 Calib Date: 17-Sep-2018 16:57:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-062.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: CTX0309

First Level Reviewer: clarkda Date: 18-Sep-2018 09:09:30

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	0.999	0.999	0.000	14760618	0.5000	0.5000	
2	0.853	0.854	-0.002	33315020	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.855	1.856	-0.001	478618	0.0125	0.0132	
2	1.361	1.363	-0.001	1080564	0.0125	0.0134	
						RPD = 1.50	
$ 15 DCB Decachlorobiphenyl							
1	6.634	6.633	0.001	289910	0.0125	0.0128	
2	5.718	5.720	-0.002	443922	0.0125	0.0135	
						RPD = 5.51	

Reagents:

8082_SURG.STK_00020 Amount Added: 0.06 Units: uL
PCB IS 1B2NB_00046 Amount Added: 10.00 Units: uL Run Reagent

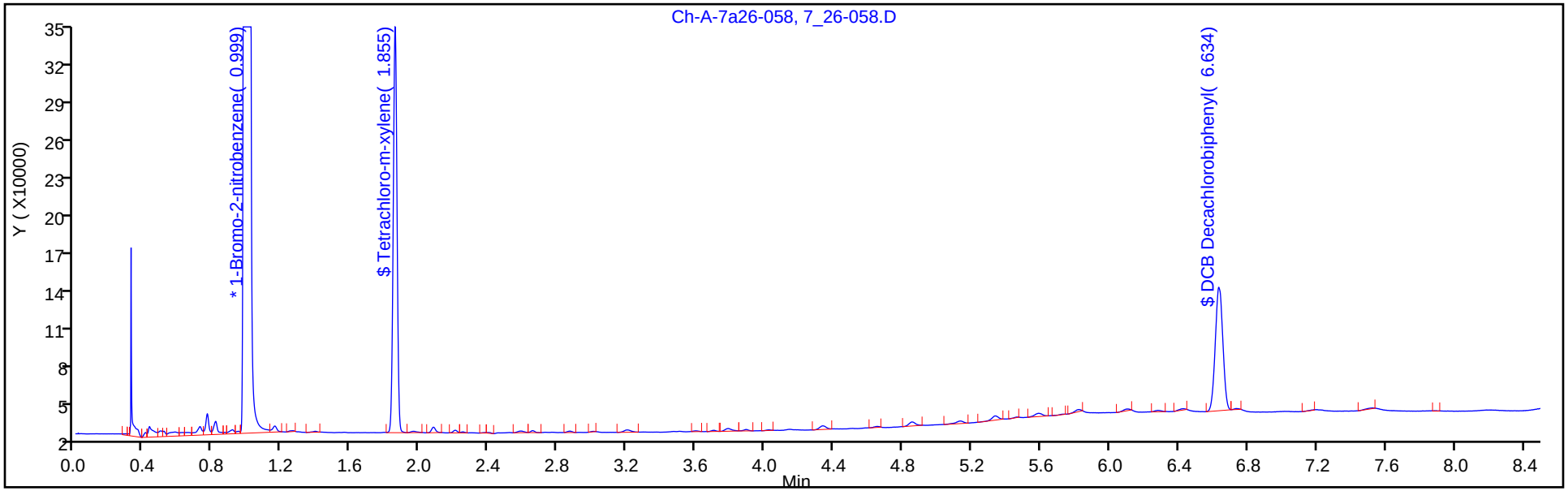
Report Date: 18-Sep-2018 13:40:15 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Buffalo

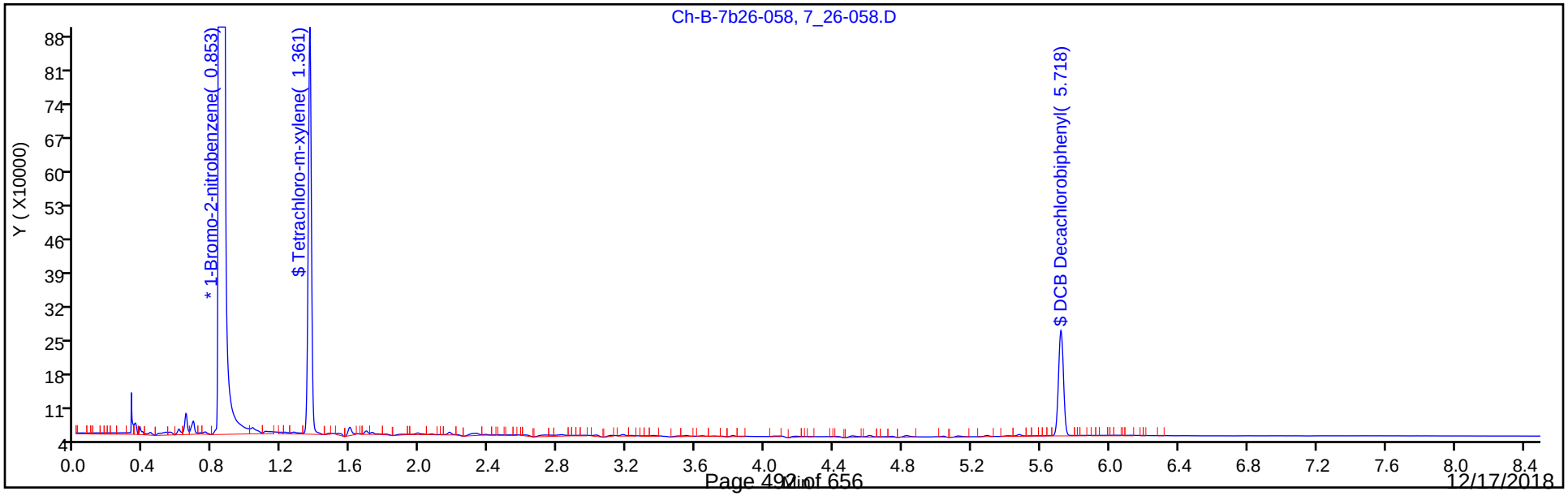
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-058.D

Injection Date:	17-Sep-2018 15:53:59	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 5			Worklist Smp#:	13
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-059.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 17-Sep-2018 16:09:54 ALS Bottle#: 0 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub18

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 18-Sep-2018 13:40:18 Calib Date: 17-Sep-2018 16:57:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-062.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: CTX0309

First Level Reviewer: clarkda Date: 17-Sep-2018 16:40:42

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	0.998	0.999	-0.001	14628610	0.5000	0.5000	
2	0.852	0.854	-0.002	32741391	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.854	1.856	-0.002	196551	0.005000	0.005270	
2	1.360	1.363	-0.002	437712	0.005000	0.005196	M
						RPD = 1.41	
$ 15 DCB Decachlorobiphenyl							
1	6.635	6.633	0.002	115128	0.005000	0.004984	
2	5.720	5.720	0.000	194773	0.005000	0.005532	
						RPD = 10.43	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

8082_SURG.STK_00020	Amount Added: 0.03	Units: uL	
PCB IS 1B2NB_00046	Amount Added: 10.00	Units: uL	Run Reagent

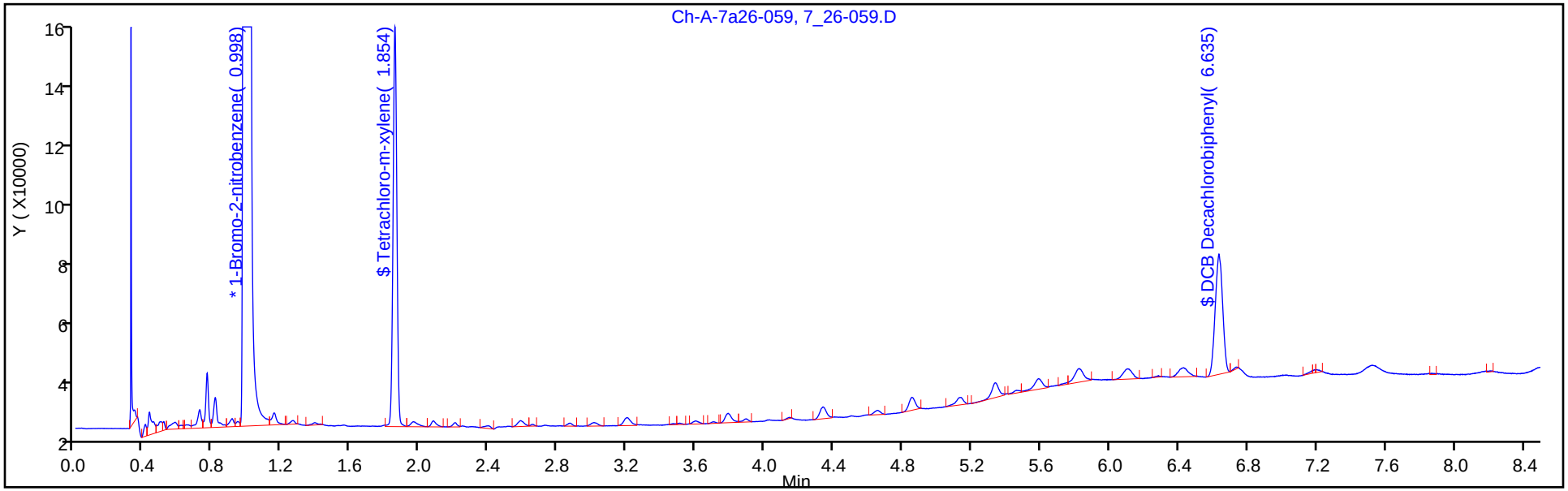
Report Date: 18-Sep-2018 13:40:18 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Buffalo

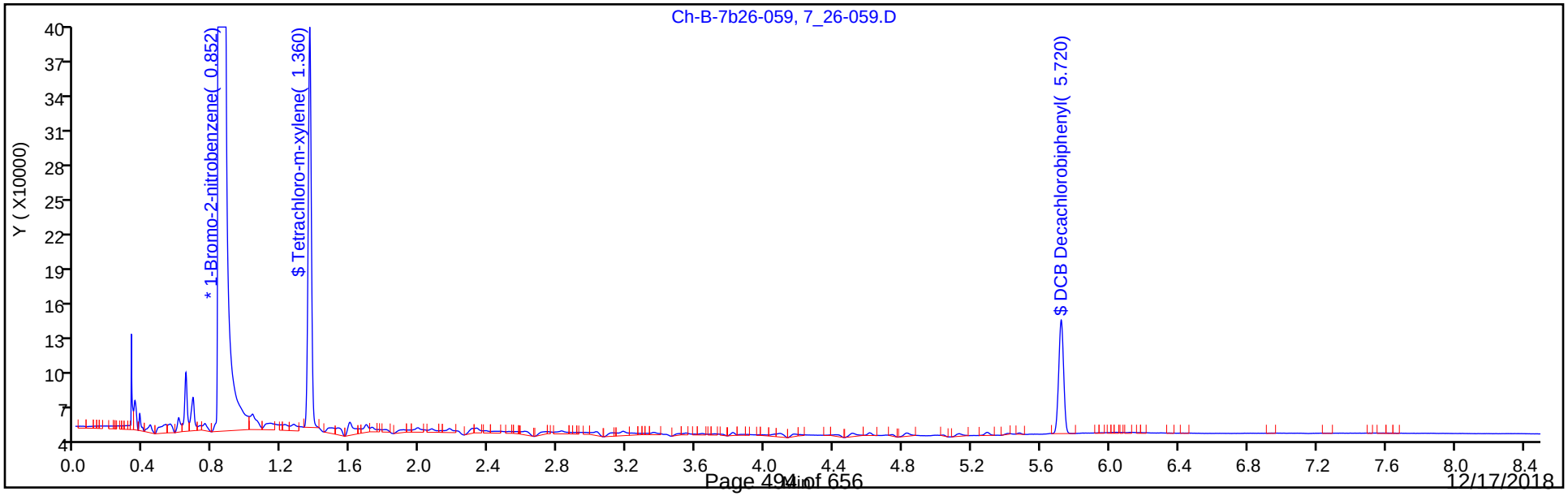
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-059.D

Injection Date:	17-Sep-2018 16:09:54	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 4			Worklist Smp#:	14
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-060.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 17-Sep-2018 16:26:09 ALS Bottle#: 0 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub18

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 18-Sep-2018 13:40:20 Calib Date: 17-Sep-2018 16:57:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-062.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: CTX0309

First Level Reviewer: clarkda Date: 18-Sep-2018 09:13:31

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	1.001	0.999	0.002	14660879	0.5000	0.5000	
2	0.855	0.854	0.001	32645498	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.858	1.856	0.002	100122	0.002500	0.002504	M
2	1.363	1.363	0.000	239665	0.002500	0.002596	M
						RPD = 3.62	
$ 15 DCB Decachlorobiphenyl							
1	6.638	6.633	0.005	61785	0.002500	0.002553	
2	5.721	5.720	0.001	106712	0.002500	0.002624	
						RPD = 2.73	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

8082_SURG.STK_00020 Amount Added: 0.01 Units: uL
PCB IS 1B2NB_00046 Amount Added: 10.00 Units: uL Run Reagent

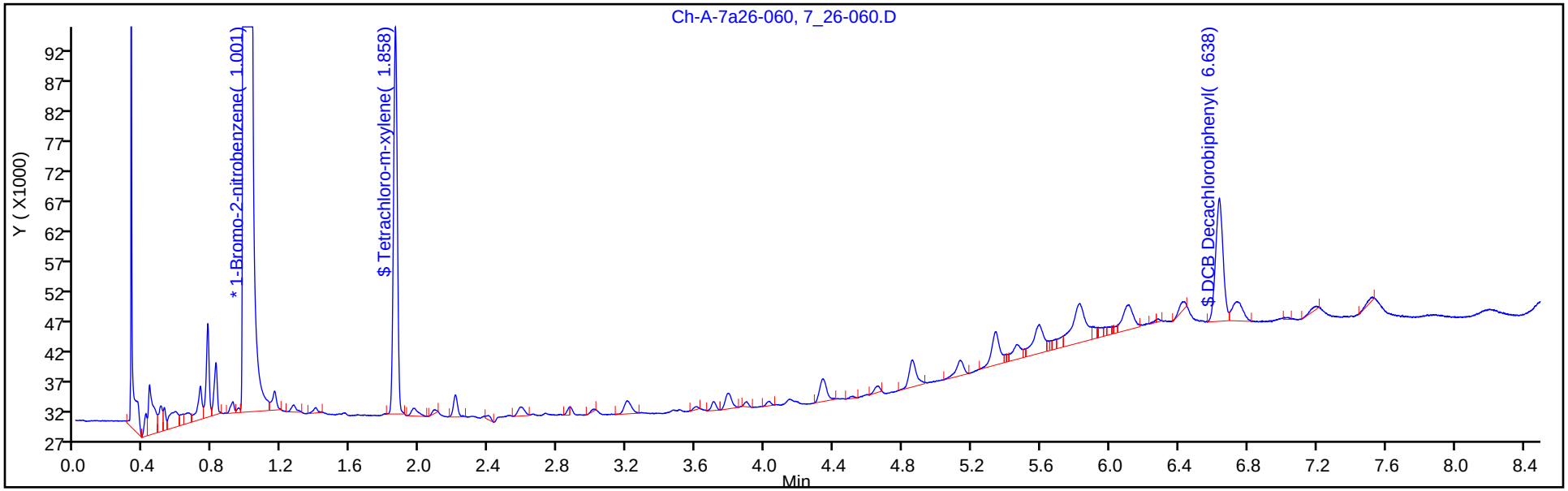
Report Date: 18-Sep-2018 13:40:20 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Buffalo

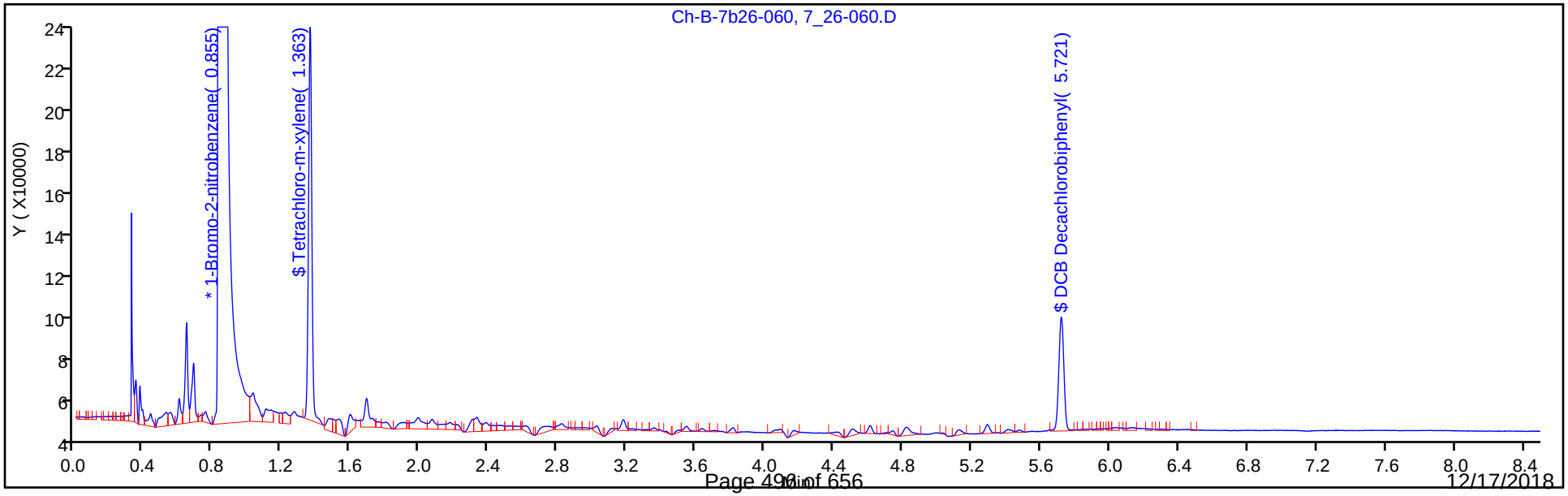
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-060.D

Injection Date:	17-Sep-2018 16:26:09	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	15
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

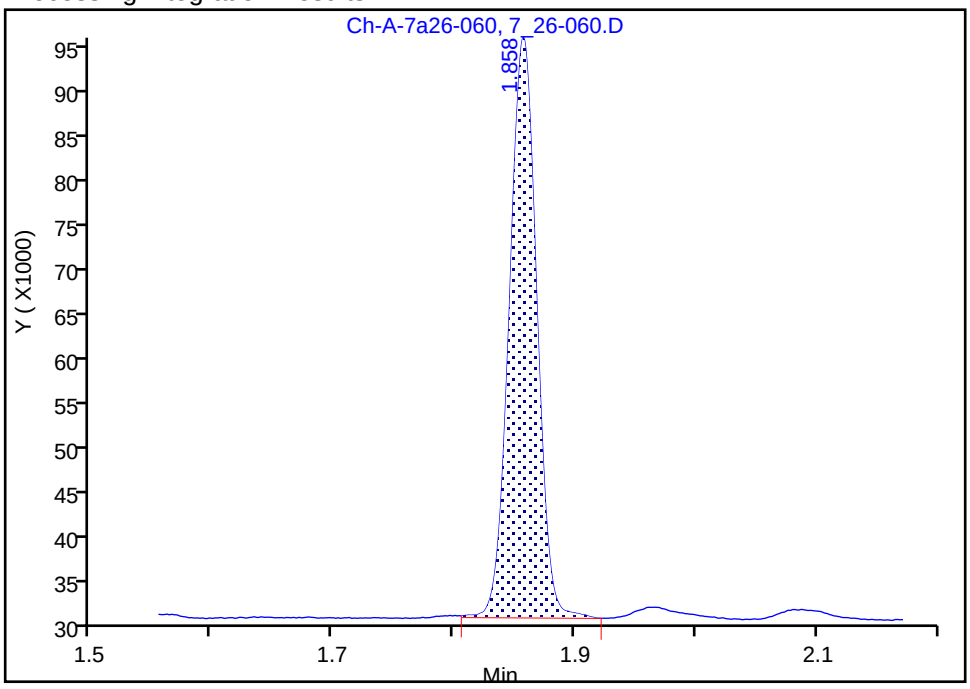
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-060.D
Injection Date: 17-Sep-2018 16:26:09 Instrument ID: HP6890-7
Lims ID: IC 3
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 1

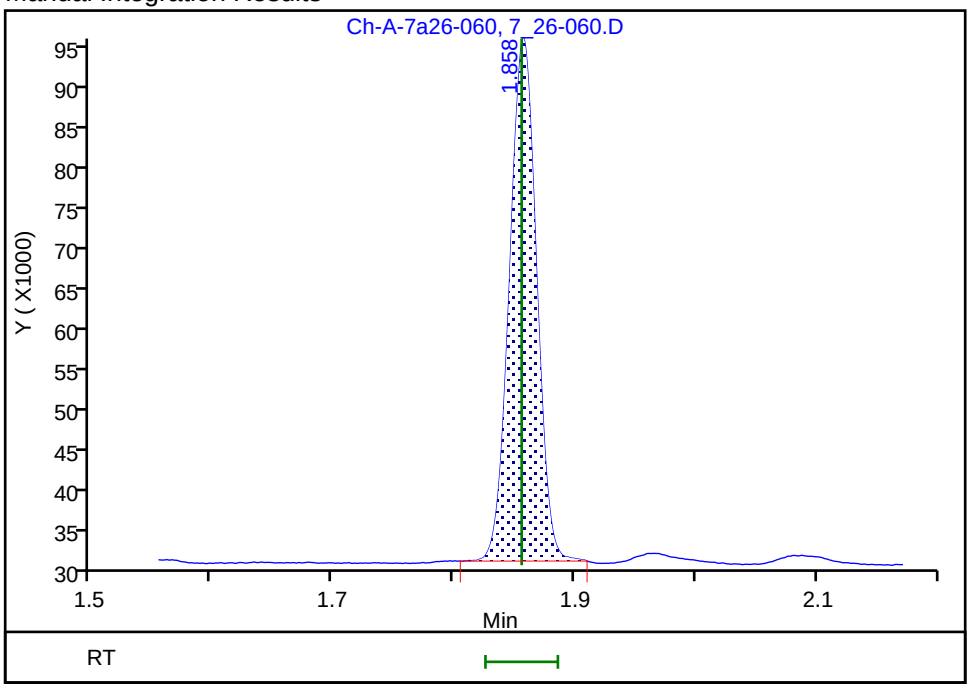
Processing Integration Results

RT: 1.86
Area: 101724
Amount: 0.002619
Amount Units: ng/uL



Manual Integration Results

RT: 1.86
Area: 100122
Amount: 0.002504
Amount Units: ng/uL



Reviewer: clarkda, 18-Sep-2018 09:12:43
Audit Action: Manually Integrated Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-061.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 17-Sep-2018 16:42:00 ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub18

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 18-Sep-2018 13:40:22 Calib Date: 17-Sep-2018 16:57:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-062.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: CTX0309

First Level Reviewer: clarkda Date: 18-Sep-2018 09:14:53

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	0.998	0.999	-0.001	14554970	0.5000	0.5000	
2	0.853	0.854	-0.002	32137986	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.855	1.856	-0.001	51266	0.001250	0.001119	M
2	1.361	1.363	-0.001	121940	0.001250	0.001066	M
						RPD = 4.86	
$ 15 DCB Decachlorobiphenyl							M
1	6.636	6.633	0.003	31982	0.001250	0.001212	M
2	5.721	5.720	0.001	56697	0.001250	0.000991	
						RPD = 20.06	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

8082_SURG.STK_00020 Amount Added: 0.01 Units: uL
PCB IS 1B2NB_00046 Amount Added: 10.00 Units: uL Run Reagent

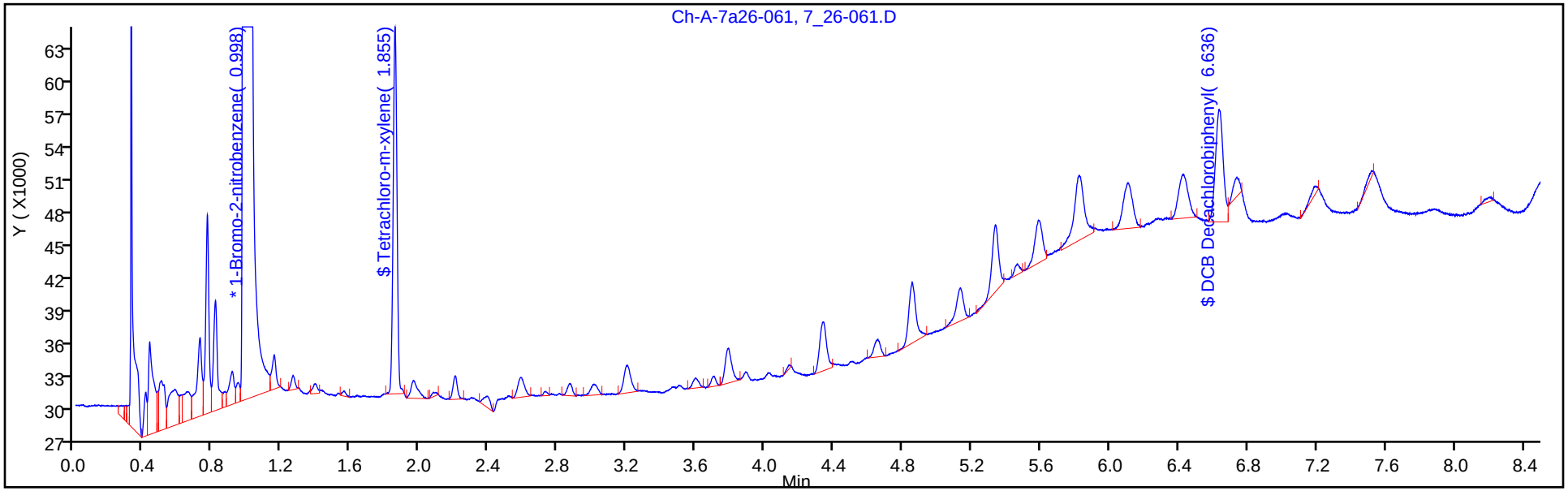
Report Date: 18-Sep-2018 13:40:22 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Buffalo

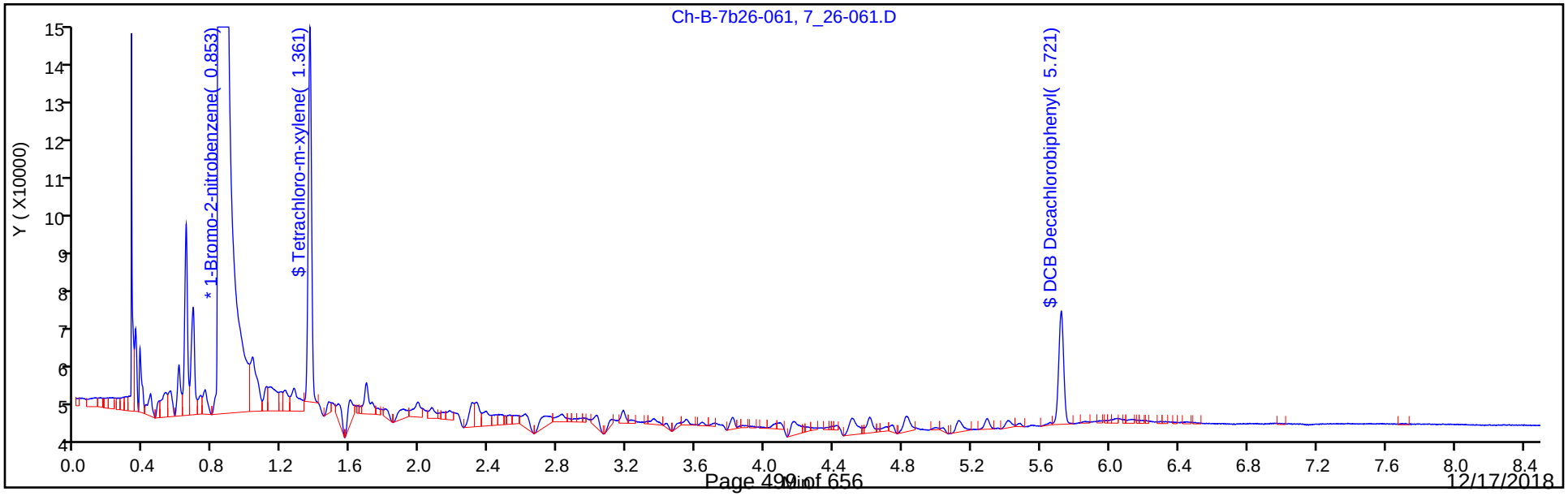
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-061.D

Injection Date:	17-Sep-2018 16:42:00	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	16
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo

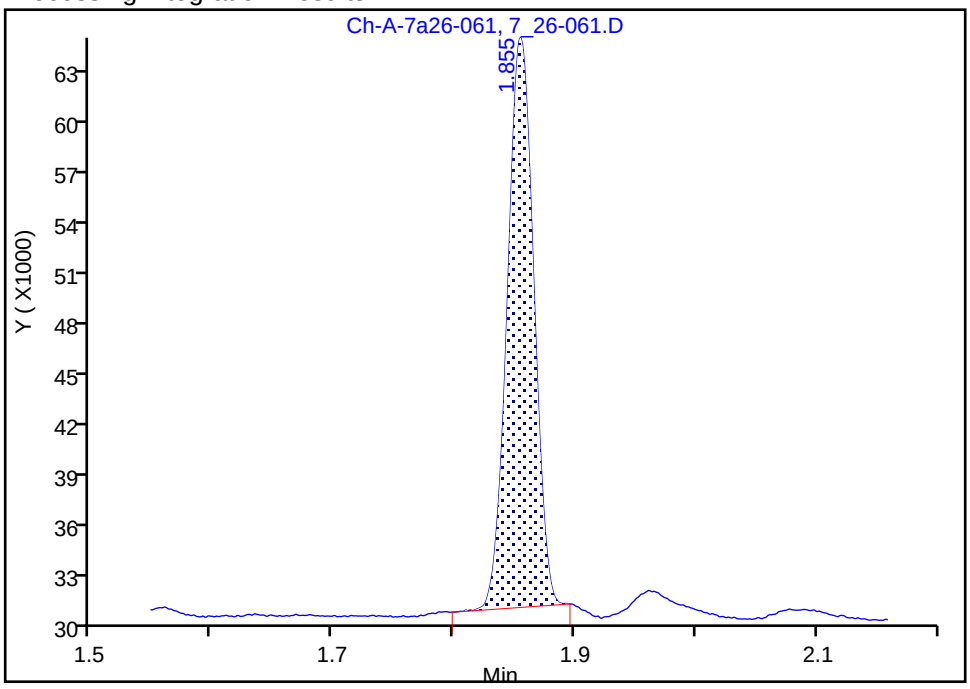
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-061.D
Injection Date: 17-Sep-2018 16:42:00 Instrument ID: HP6890-7
Lims ID: IC 2
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 1

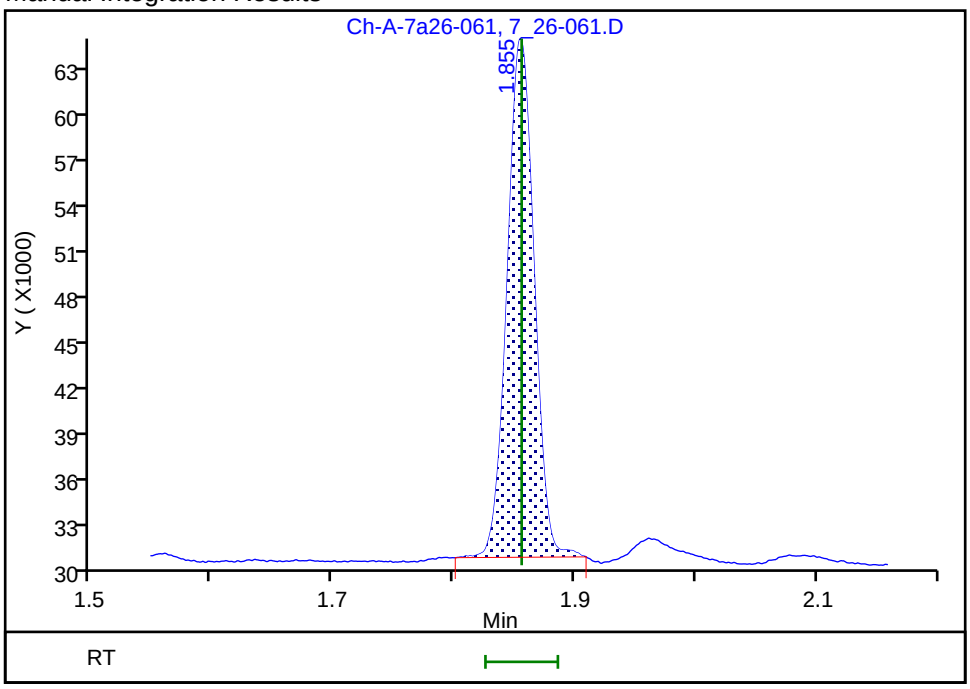
Processing Integration Results

RT: 1.86
Area: 49900
Amount: 0.001297
Amount Units: ng/uL



Manual Integration Results

RT: 1.86
Area: 51266
Amount: 0.001119
Amount Units: ng/uL



Reviewer: clarkda, 18-Sep-2018 09:13:51
Audit Action: Manually Integrated Audit Reason: Baseline Smoothing

TestAmerica Buffalo

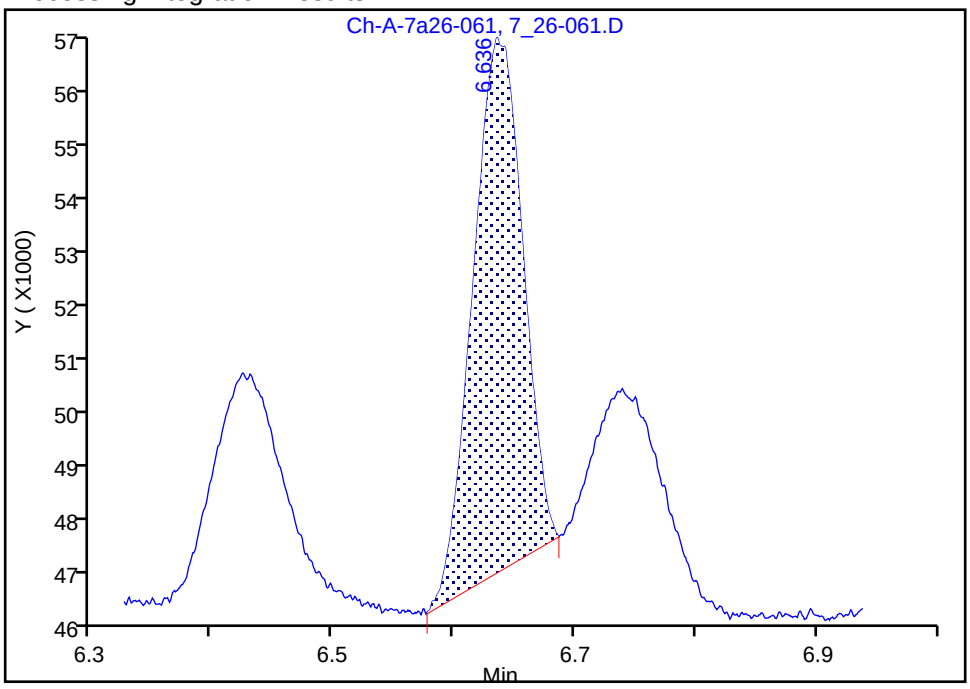
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-061.D
Injection Date: 17-Sep-2018 16:42:00 Instrument ID: HP6890-7
Lims ID: IC 2
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

$ 15 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 1

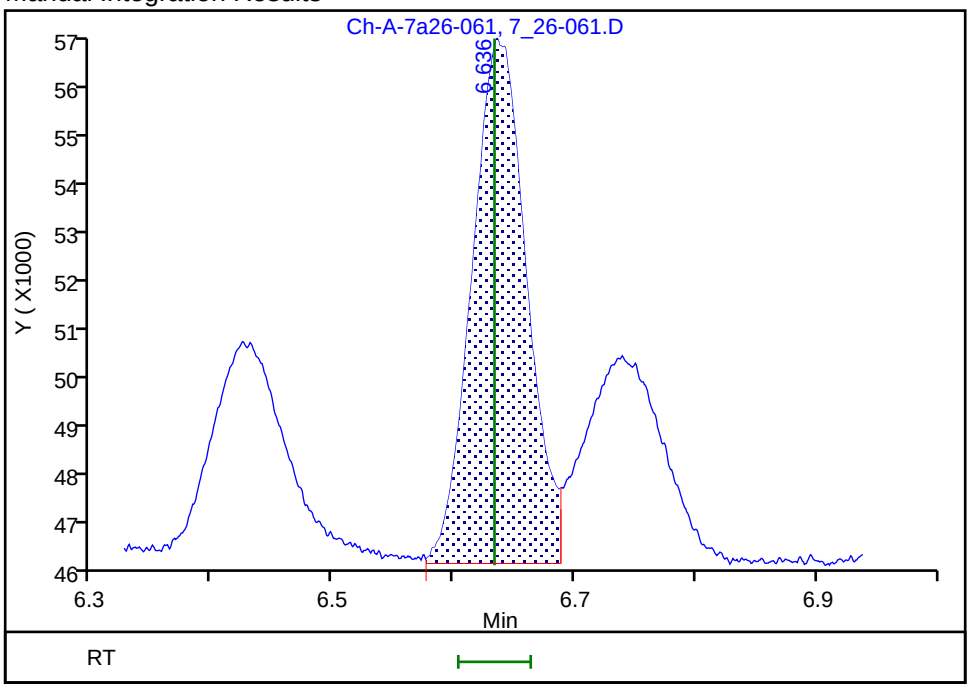
Processing Integration Results

RT: 6.64
Area: 26884
Amount: 0.001176
Amount Units: ng/uL



Manual Integration Results

RT: 6.64
Area: 31982
Amount: 0.001212
Amount Units: ng/uL



Reviewer: clarkda, 18-Sep-2018 09:14:12
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.: 480-145287-1 Analy Batch No.: 434717

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2018 15:22 Calibration End Date: 09/17/2018 16:42 Calibration ID: 34897

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-434717/16	7_26-061.D
Level 2	IC 480-434717/15	7_26-060.D
Level 3	IC 480-434717/14	7_26-059.D
Level 4	IC 480-434717/13	7_26-058.D
Level 5	IC 480-434717/12	7_26-057.D
Level 6	IC 480-434717/11	7_26-056.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Tetrachloro-m-xylene	1.5177 1.1294	1.4683	1.3369	1.2974	1.2243	Lin1	0.0007	1.1592							0.9970		0.9900
DCB Decachlorobiphenyl	0.7057 0.4575	0.6538	0.5949	0.5330	0.4752	Lin1	0.0004	0.4608							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.: 480-145287-1 Analy Batch No.: 434717

SDG No.:

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/17/2018 15:22 Calibration End Date: 09/17/2018 16:42 Calibration ID: 34897

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-434717/16	7_26-061.D
Level 2	IC 480-434717/15	7_26-060.D
Level 3	IC 480-434717/14	7_26-059.D
Level 4	IC 480-434717/13	7_26-058.D
Level 5	IC 480-434717/12	7_26-057.D
Level 6	IC 480-434717/11	7_26-056.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Tetrachloro-m-xylene	BNB	Lin1	121940 4244938	239665	437712	1080564	2223292	0.00125 0.0500	0.00250	0.00500	0.0125	0.0250
DCB Decachlorobiphenyl	BNB	Lin1	56697 1719470	106712	194773	443922	862883	0.00125 0.0500	0.00250	0.00500	0.0125	0.0250

Curve Type Legend:
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-056.D
Lims ID: IC 7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 17-Sep-2018 15:22:01 ALS Bottle#: 0 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub18

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 18-Sep-2018 13:40:11 Calib Date: 17-Sep-2018 16:57:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-062.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: CTX0309

First Level Reviewer: clarkda Date: 17-Sep-2018 15:43:33

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	1.008	0.999	0.009	15438584	0.5000	0.5000	
2	0.850	0.854	-0.004	37587353	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.872	1.856	0.016	1808468	0.0500	0.0487	
2	1.356	1.363	-0.006	4244938	0.0500	0.0481	
						RPD = 1.13	
$ 15 DCB Decachlorobiphenyl							
1	6.663	6.633	0.029	1166903	0.0500	0.0500	
2	5.724	5.720	0.004	1719470	0.0500	0.0487	
						RPD = 2.61	

Reagents:

8082_SURG.STK_00020 Amount Added: 0.25 Units: uL
PCB IS 1B2NB_00046 Amount Added: 10.00 Units: uL Run Reagent

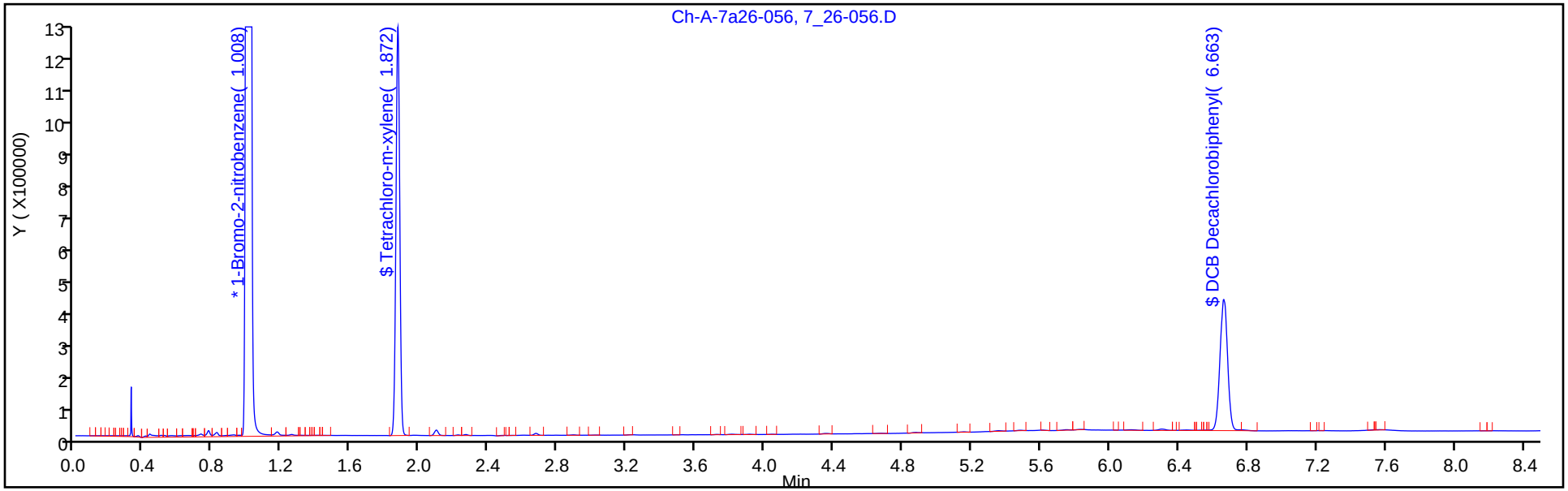
Report Date: 18-Sep-2018 13:40:11 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Buffalo

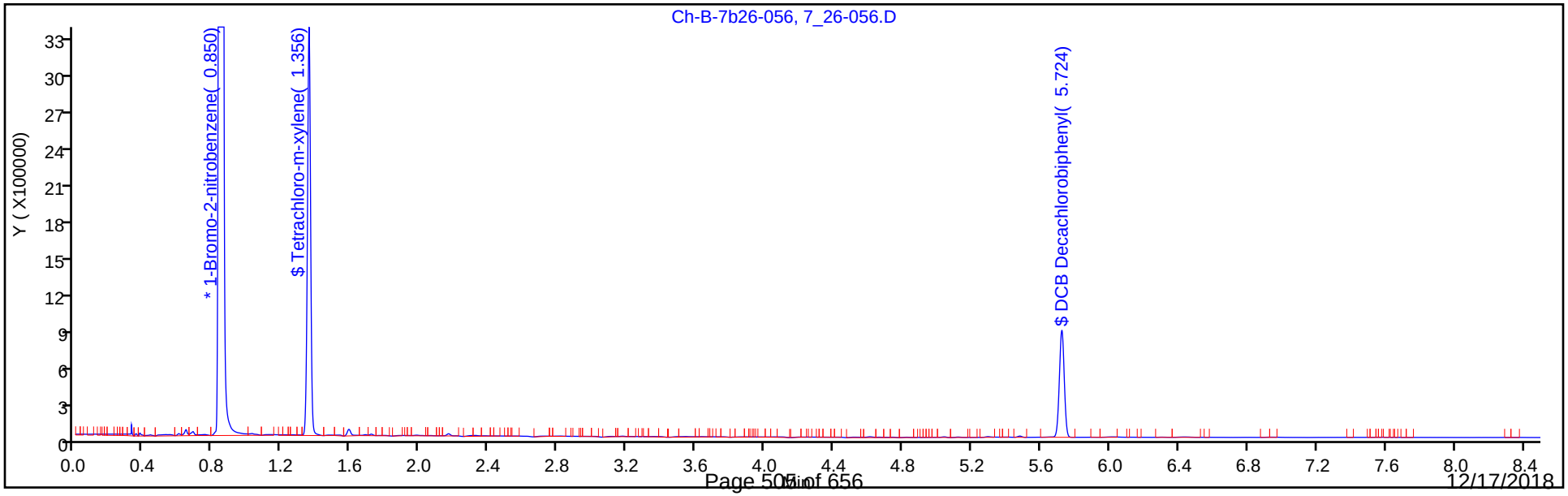
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-056.D

Injection Date:	17-Sep-2018 15:22:01	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 7			Worklist Smp#:	11
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-057.D
Lims ID: IC 6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 17-Sep-2018 15:38:00 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub18

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 18-Sep-2018 13:40:13 Calib Date: 17-Sep-2018 16:57:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-062.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: CTX0309

First Level Reviewer: clarkda Date: 18-Sep-2018 09:09:13

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	1.001	0.999	0.002	15329005	0.5000	0.5000	
2	0.853	0.854	-0.001	36319214	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.858	1.856	0.002	944979	0.0250	0.0255	
2	1.361	1.363	-0.001	2223292	0.0250	0.0258	
						RPD = 1.48	
$ 15 DCB Decachlorobiphenyl							
1	6.640	6.633	0.007	575035	0.0250	0.0247	
2	5.720	5.720	0.000	862883	0.0250	0.0249	
						RPD = 0.66	

Reagents:

8082_SURG.STK_00020 Amount Added: 0.13 Units: uL
PCB IS 1B2NB_00046 Amount Added: 10.00 Units: uL Run Reagent

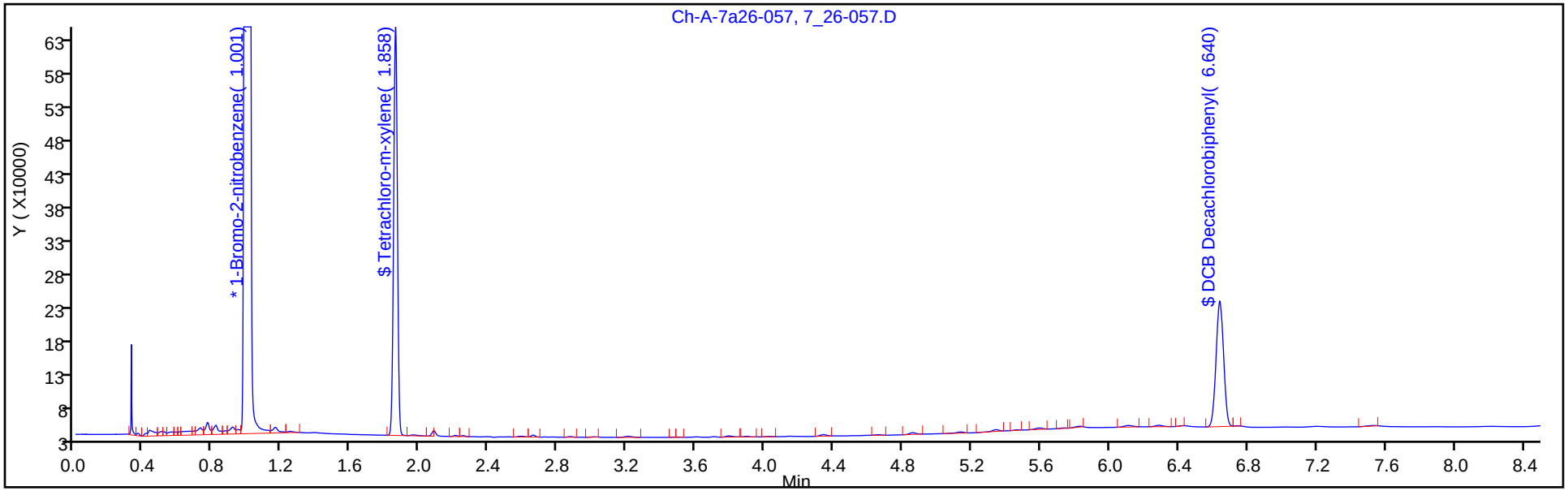
Report Date: 18-Sep-2018 13:40:14 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Buffalo

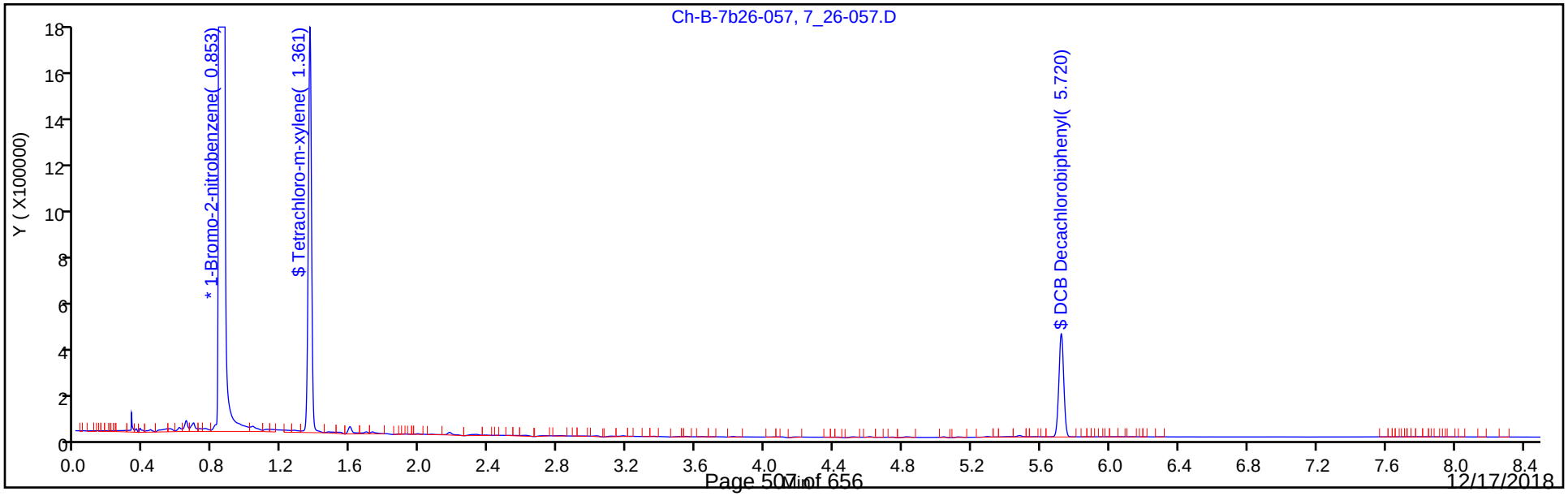
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-057.D

Injection Date:	17-Sep-2018 15:38:00	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 6			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-058.D
Lims ID: IC 5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 17-Sep-2018 15:53:59 ALS Bottle#: 0 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub18

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 18-Sep-2018 13:40:15 Calib Date: 17-Sep-2018 16:57:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-062.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: CTX0309

First Level Reviewer: clarkda Date: 18-Sep-2018 09:09:30

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	0.999	0.999	0.000	14760618	0.5000	0.5000	
2	0.853	0.854	-0.002	33315020	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.855	1.856	-0.001	478618	0.0125	0.0132	
2	1.361	1.363	-0.001	1080564	0.0125	0.0134	
						RPD = 1.50	
$ 15 DCB Decachlorobiphenyl							
1	6.634	6.633	0.001	289910	0.0125	0.0128	
2	5.718	5.720	-0.002	443922	0.0125	0.0135	
						RPD = 5.51	

Reagents:

8082_SURG.STK_00020 Amount Added: 0.06 Units: uL
PCB IS 1B2NB_00046 Amount Added: 10.00 Units: uL Run Reagent

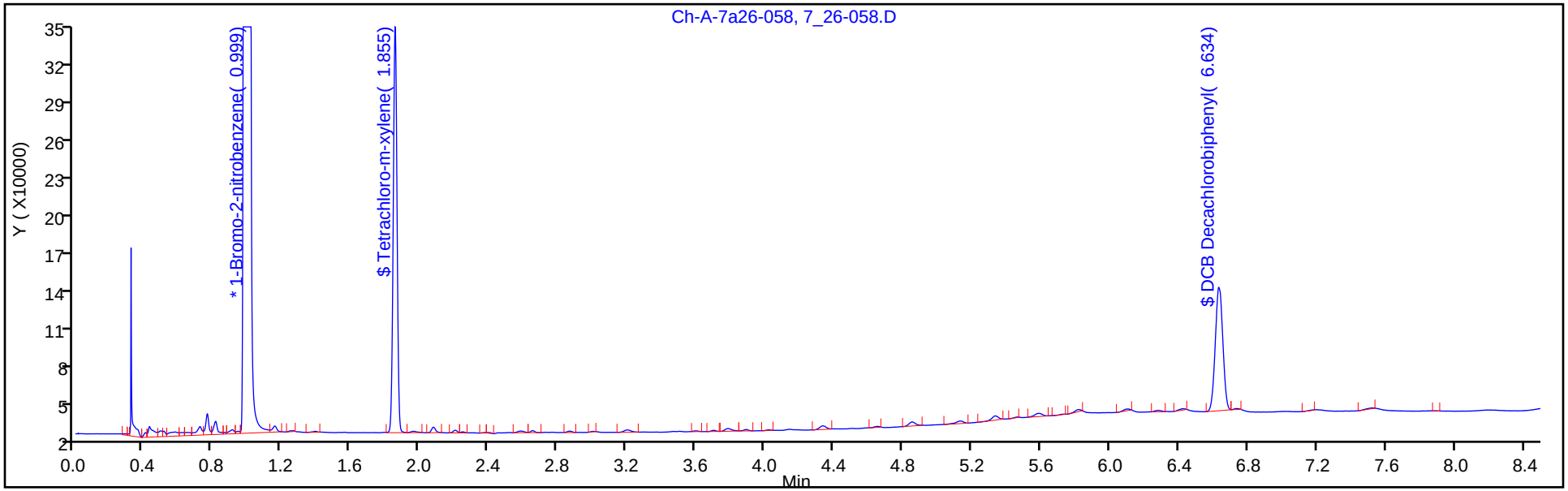
Report Date: 18-Sep-2018 13:40:16 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Buffalo

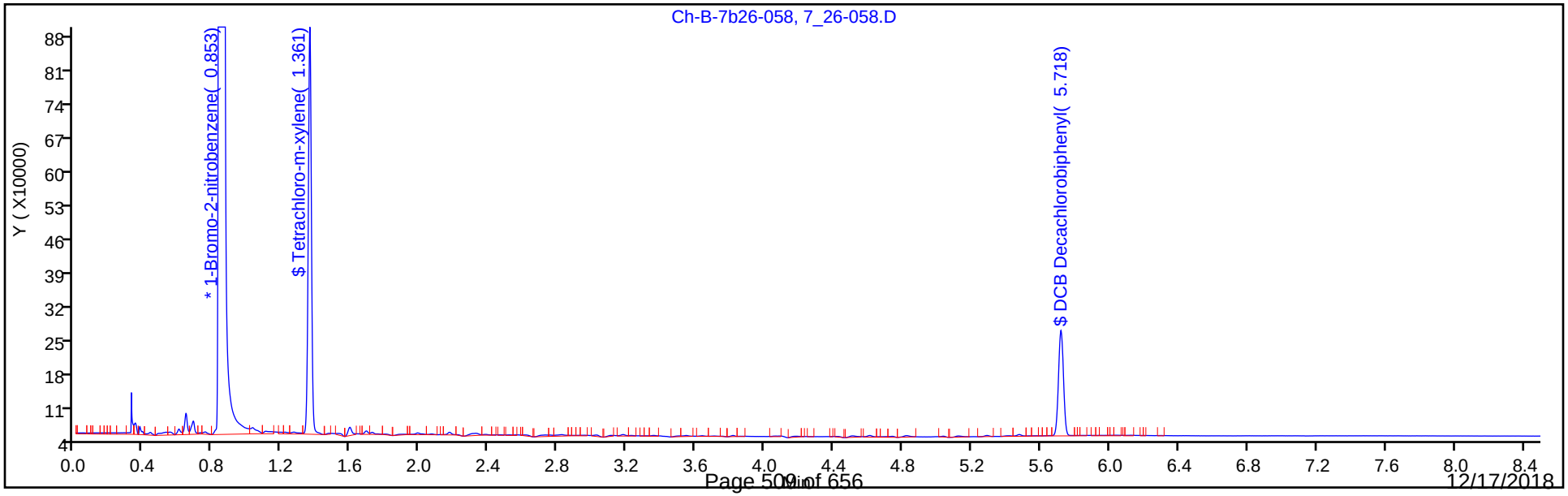
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-058.D

Injection Date:	17-Sep-2018 15:53:59	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 5			Worklist Smp#:	13
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-059.D
Lims ID: IC 4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 17-Sep-2018 16:09:54 ALS Bottle#: 0 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub18

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 18-Sep-2018 13:40:18 Calib Date: 17-Sep-2018 16:57:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-062.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: CTX0309

First Level Reviewer: clarkda Date: 17-Sep-2018 16:40:42

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	0.998	0.999	-0.001	14628610	0.5000	0.5000	
2	0.852	0.854	-0.002	32741391	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.854	1.856	-0.002	196551	0.005000	0.005270	
2	1.360	1.363	-0.002	437712	0.005000	0.005196	M
						RPD = 1.41	
$ 15 DCB Decachlorobiphenyl							
1	6.635	6.633	0.002	115128	0.005000	0.004984	
2	5.720	5.720	0.000	194773	0.005000	0.005532	
						RPD = 10.43	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

8082_SURG.STK_00020	Amount Added: 0.03	Units: uL	
PCB IS 1B2NB_00046	Amount Added: 10.00	Units: uL	Run Reagent

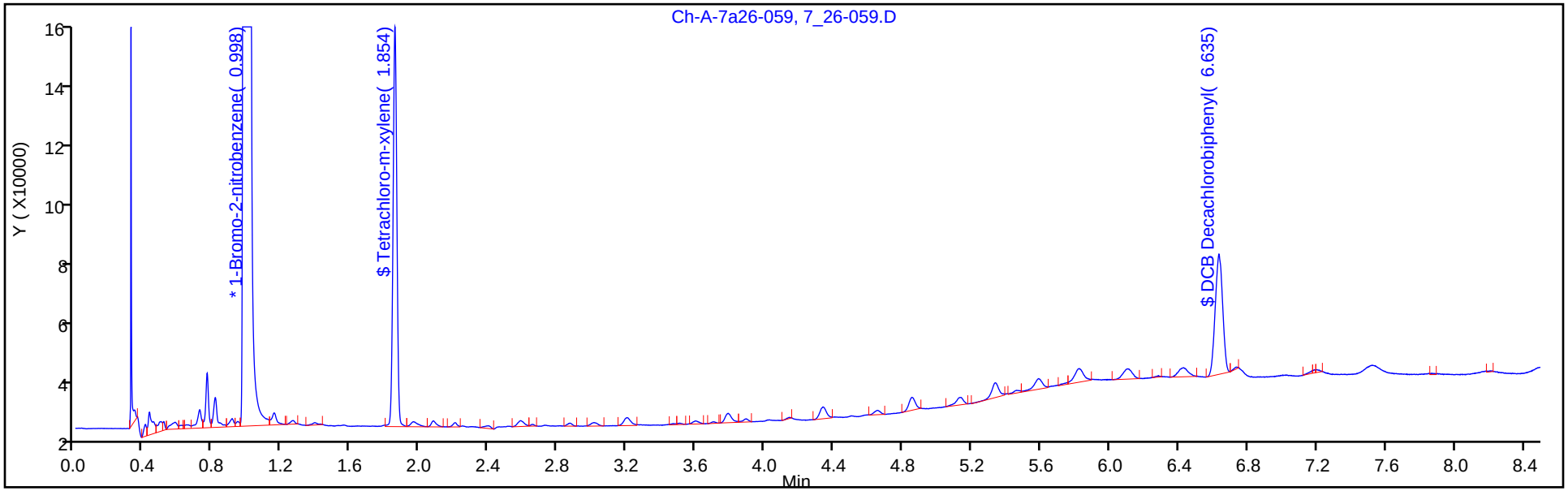
Report Date: 18-Sep-2018 13:40:18 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Buffalo

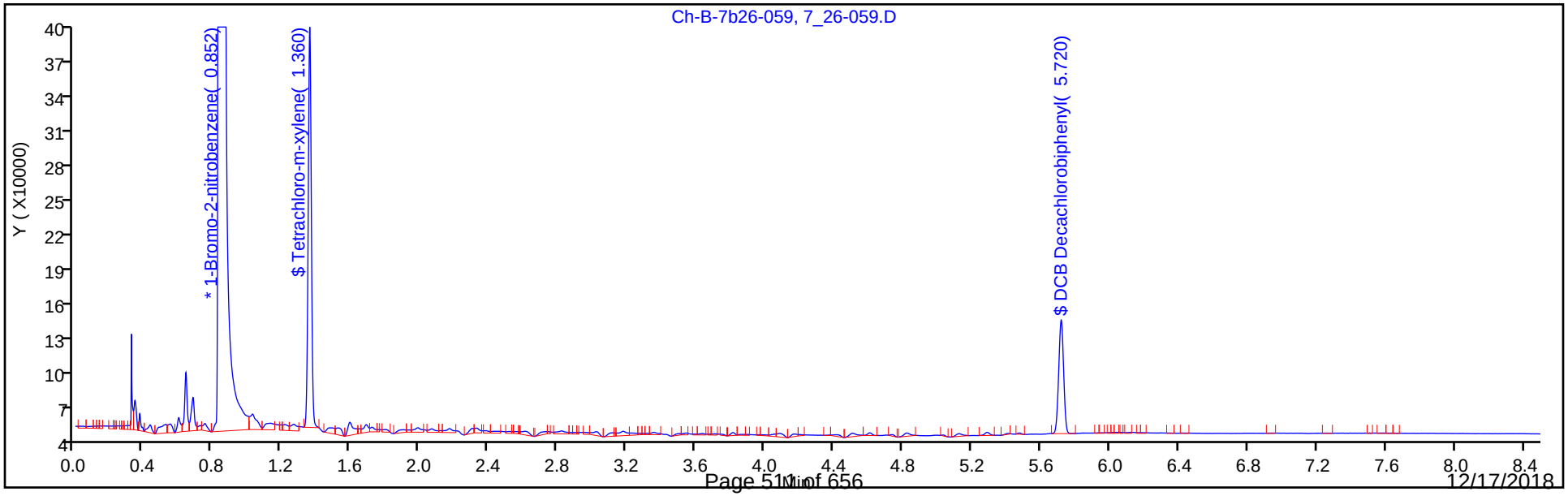
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-059.D

Injection Date:	17-Sep-2018 16:09:54	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 4			Worklist Smp#:	14
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

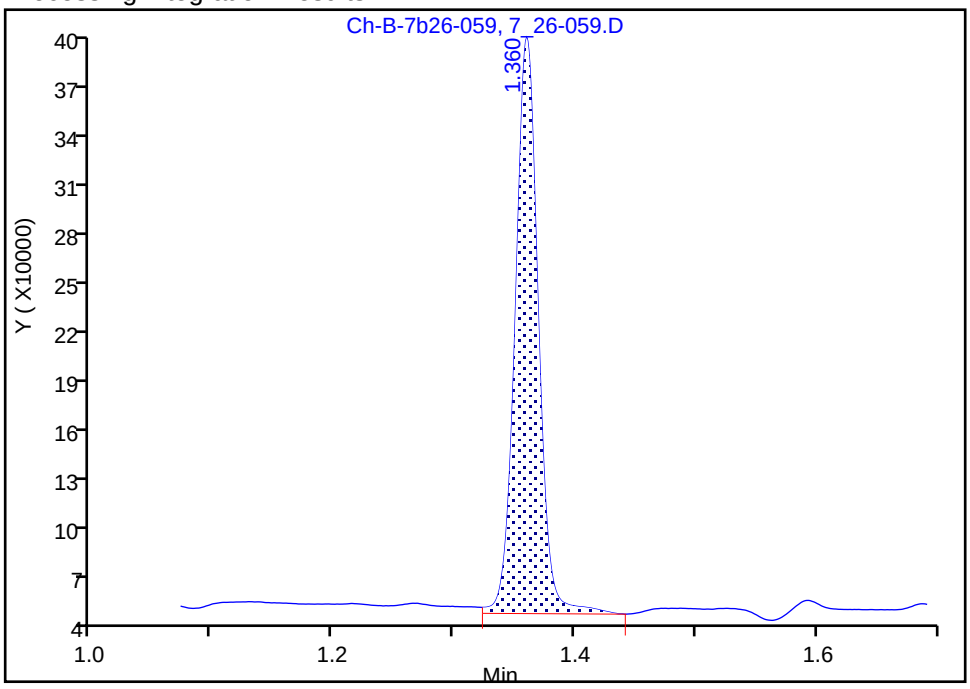
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-059.D
Injection Date: 17-Sep-2018 16:09:54 Instrument ID: HP6890-7
Lims ID: IC 4
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-B-7b136

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 2

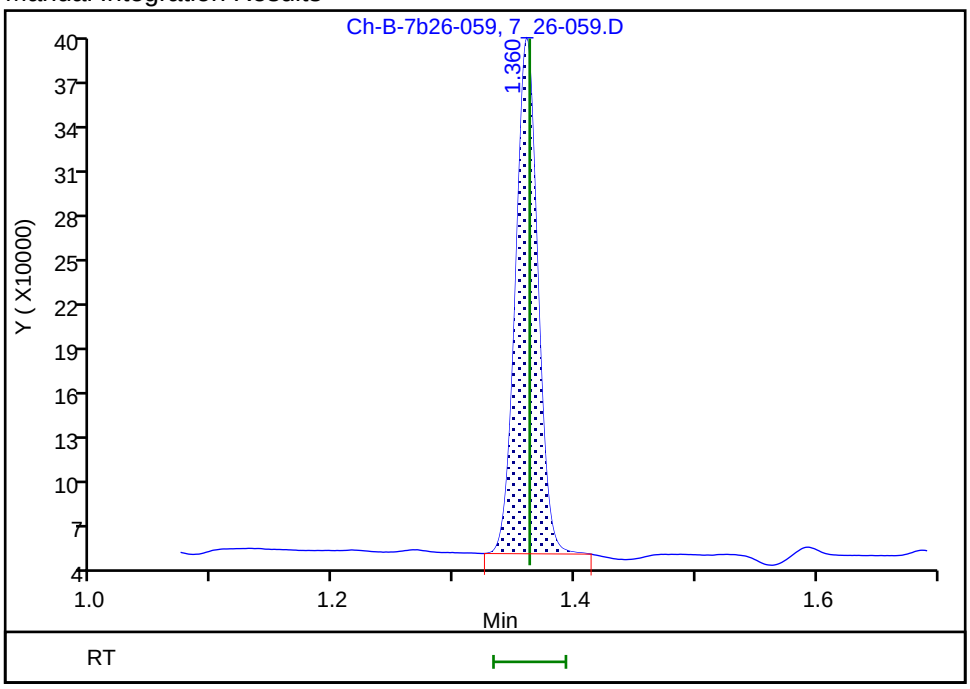
Processing Integration Results

RT: 1.36
Area: 459480
Amount: 0.005432
Amount Units: ng/uL



Manual Integration Results

RT: 1.36
Area: 437712
Amount: 0.005196
Amount Units: ng/uL



Reviewer: clarkda, 18-Sep-2018 09:10:55
Audit Action: Manually Integrated Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-060.D
Lims ID: IC 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 17-Sep-2018 16:26:09 ALS Bottle#: 0 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub18

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 18-Sep-2018 13:40:20 Calib Date: 17-Sep-2018 16:57:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-062.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: CTX0309

First Level Reviewer: clarkda Date: 18-Sep-2018 09:13:31

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	1.001	0.999	0.002	14660879	0.5000	0.5000	
2	0.855	0.854	0.001	32645498	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.858	1.856	0.002	100122	0.002500	0.002504	M
2	1.363	1.363	0.000	239665	0.002500	0.002596	M
						RPD = 3.62	
$ 15 DCB Decachlorobiphenyl							
1	6.638	6.633	0.005	61785	0.002500	0.002553	
2	5.721	5.720	0.001	106712	0.002500	0.002624	
						RPD = 2.73	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

8082_SURG.STK_00020 Amount Added: 0.01 Units: uL
PCB IS 1B2NB_00046 Amount Added: 10.00 Units: uL Run Reagent

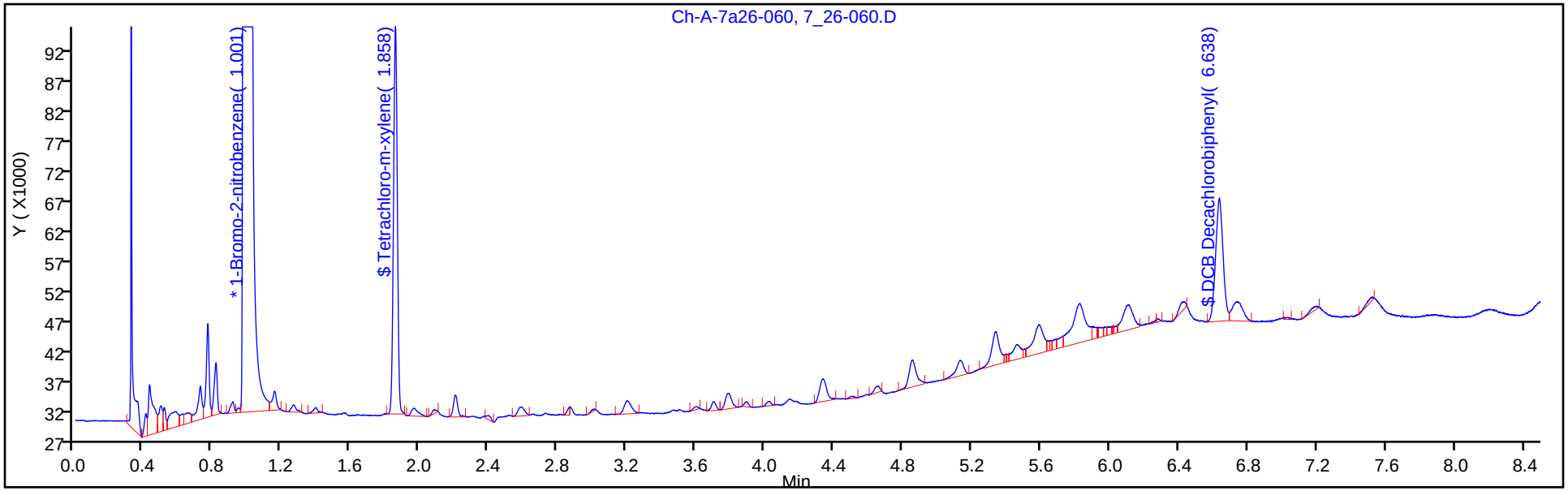
Report Date: 18-Sep-2018 13:40:20 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Buffalo

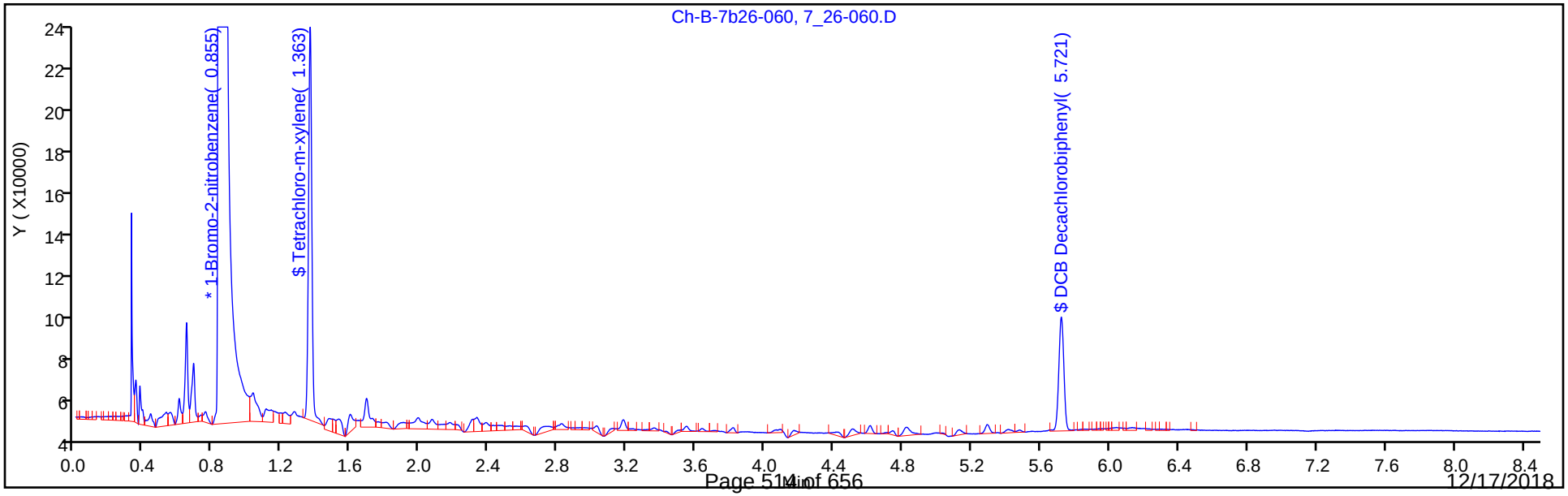
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-060.D

Injection Date:	17-Sep-2018 16:26:09	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 3			Worklist Smp#:	15
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

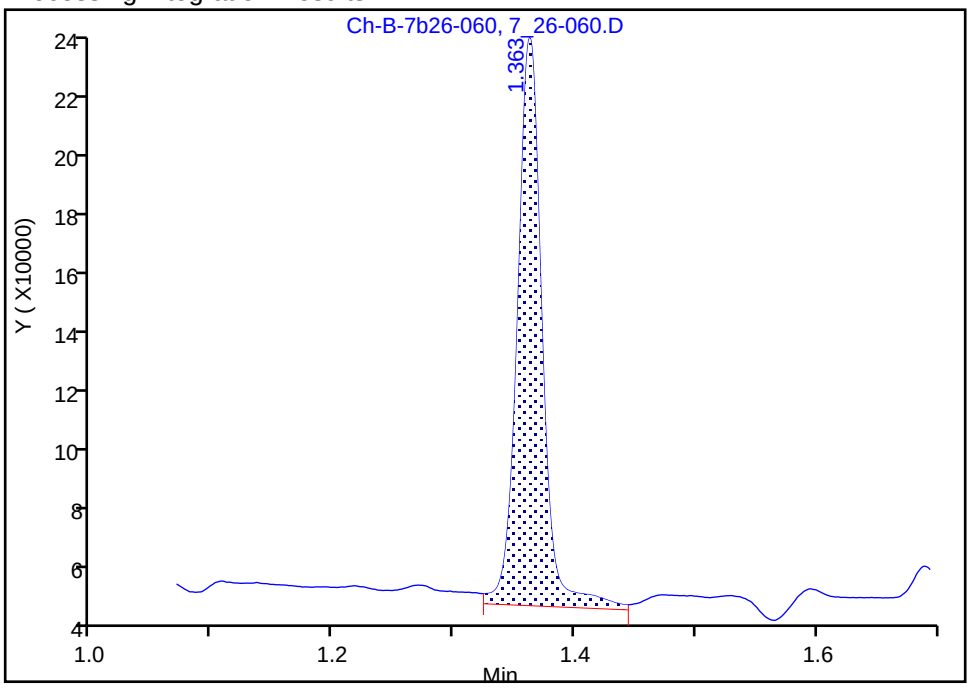
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-060.D
Injection Date: 17-Sep-2018 16:26:09 Instrument ID: HP6890-7
Lims ID: IC 3
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-B-7b136

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 2

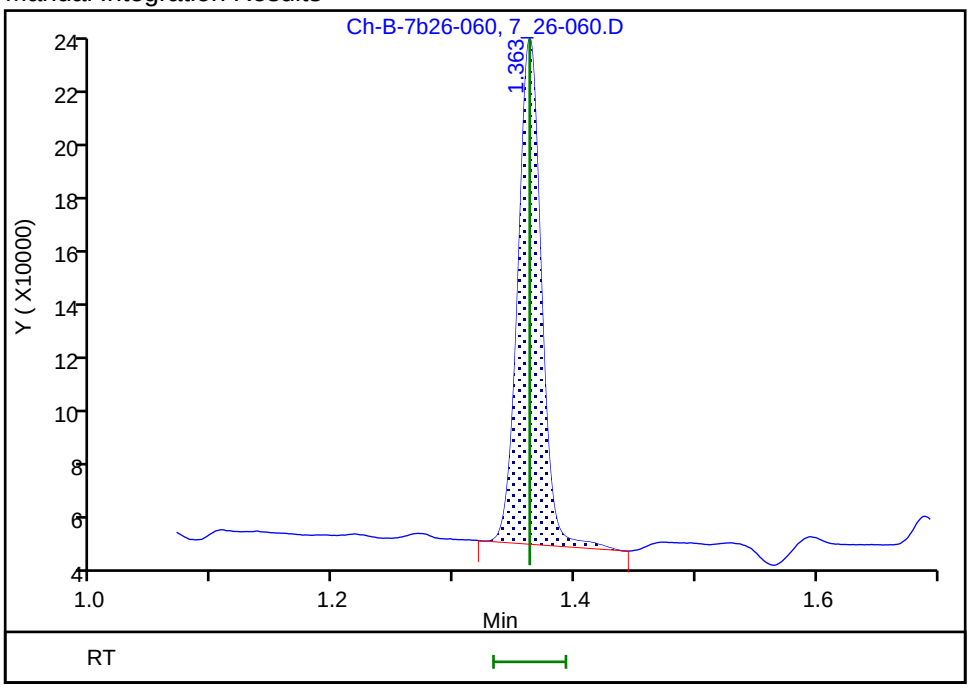
Processing Integration Results

RT: 1.36
Area: 257233
Amount: 0.002808
Amount Units: ng/uL



Manual Integration Results

RT: 1.36
Area: 239665
Amount: 0.002596
Amount Units: ng/uL



Reviewer: clarkda, 18-Sep-2018 09:13:13
Audit Action: Manually Integrated Audit Reason: Baseline Smoothing

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-061.D
Lims ID: IC 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 17-Sep-2018 16:42:00 ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub18

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 18-Sep-2018 13:40:22 Calib Date: 17-Sep-2018 16:57:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-062.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: CTX0309

First Level Reviewer: clarkda Date: 18-Sep-2018 09:14:53

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	0.998	0.999	-0.001	14554970	0.5000	0.5000	
2	0.853	0.854	-0.002	32137986	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.855	1.856	-0.001	51266	0.001250	0.001119	M
2	1.361	1.363	-0.001	121940	0.001250	0.001066	M
						RPD = 4.86	
$ 15 DCB Decachlorobiphenyl							M
1	6.636	6.633	0.003	31982	0.001250	0.001212	M
2	5.721	5.720	0.001	56697	0.001250	0.000991	
						RPD = 20.06	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

8082_SURG.STK_00020 Amount Added: 0.01 Units: uL
PCB IS 1B2NB_00046 Amount Added: 10.00 Units: uL Run Reagent

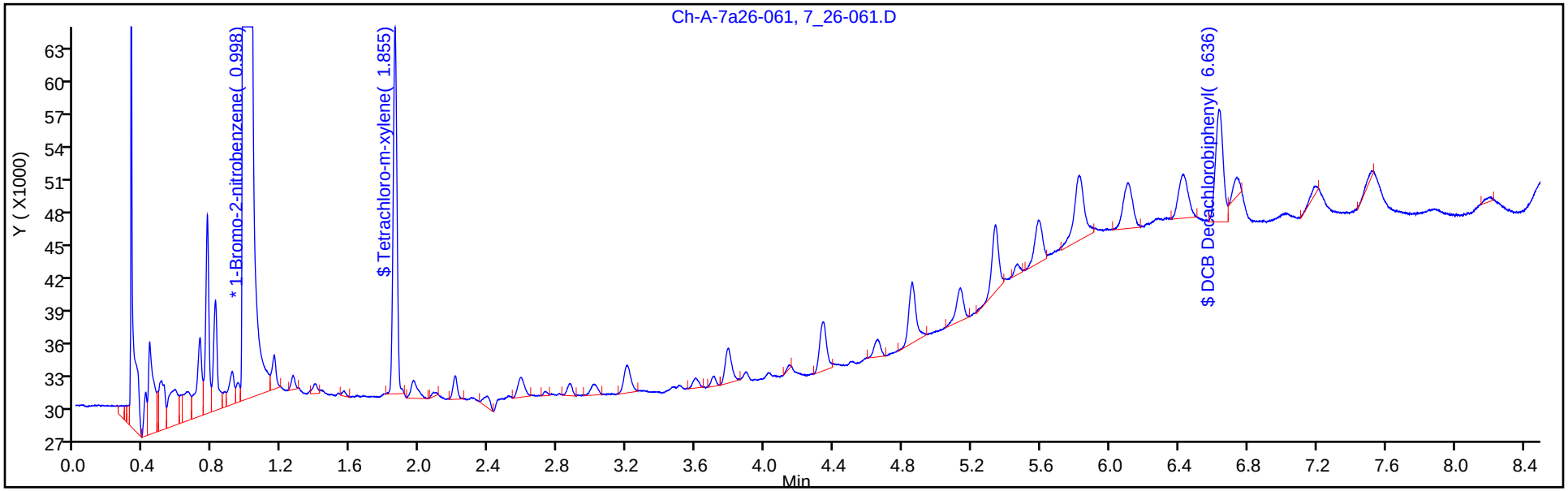
Report Date: 18-Sep-2018 13:40:23 Chrom Revision: 2.3 19-Jul-2018 15:14:50

TestAmerica Buffalo

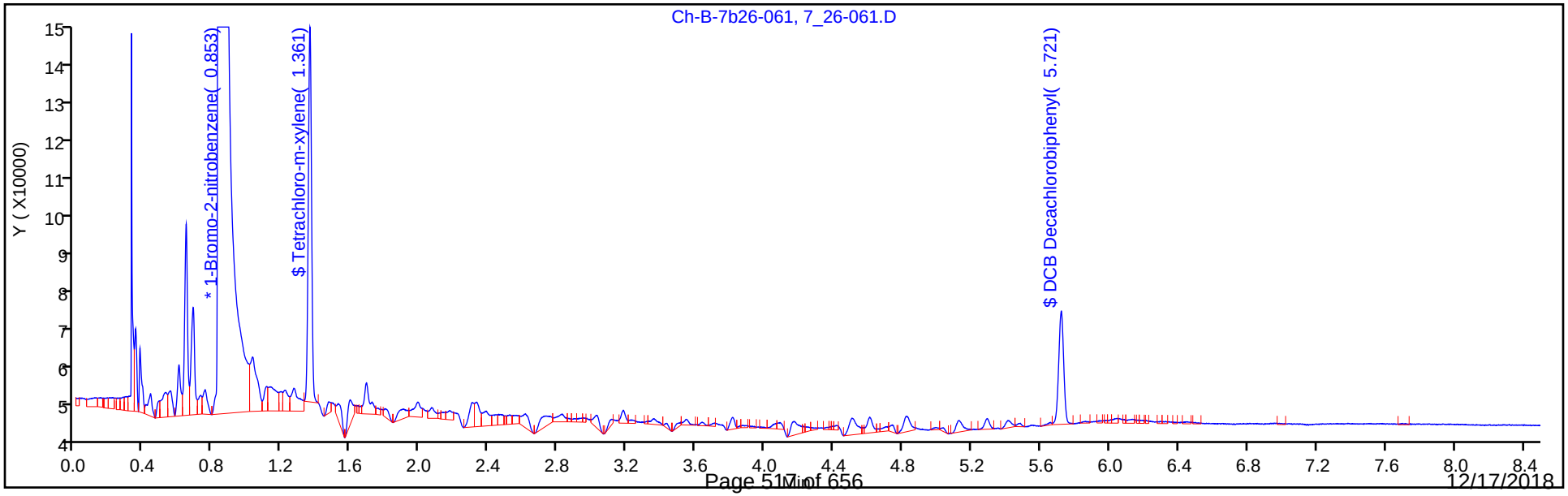
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-061.D

Injection Date:	17-Sep-2018 16:42:00	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	IC 2			Worklist Smp#:	16
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

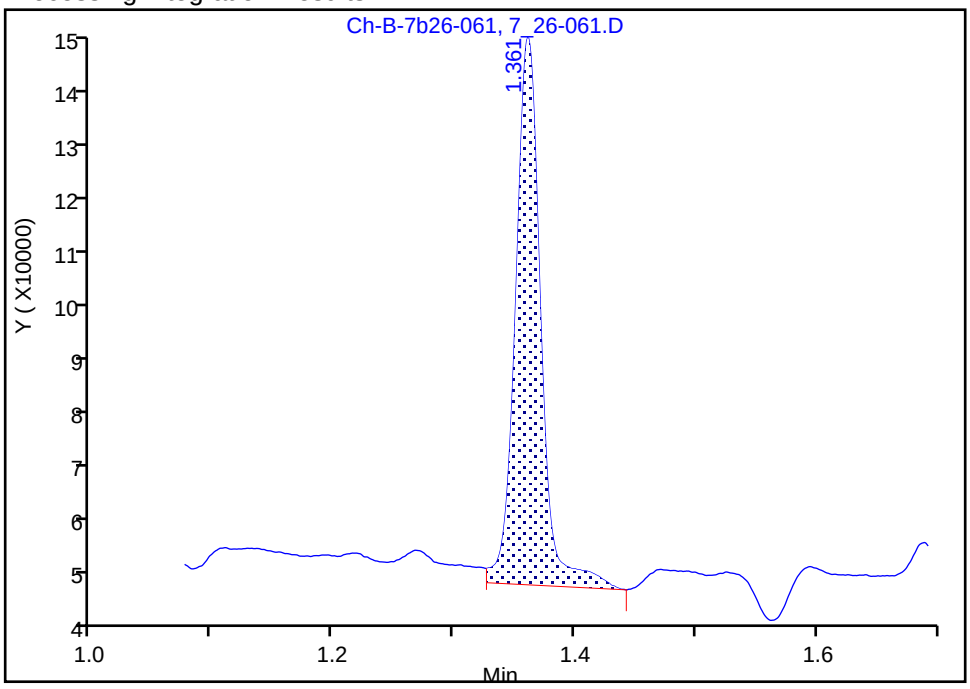
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-061.D
Injection Date: 17-Sep-2018 16:42:00 Instrument ID: HP6890-7
Lims ID: IC 2
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-B-7b136

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 2

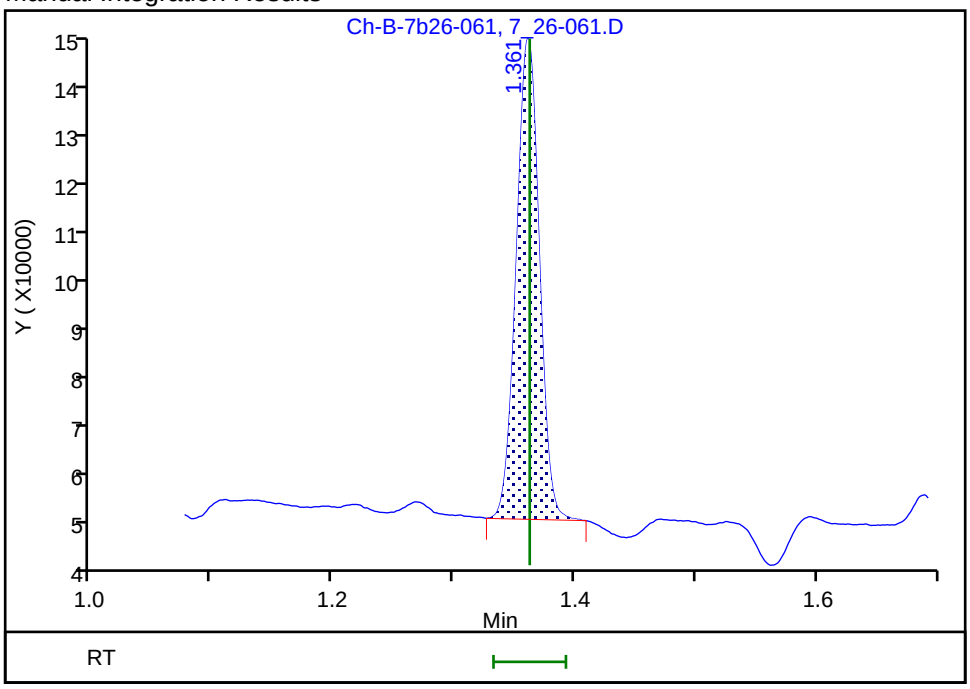
Processing Integration Results

RT: 1.36
Area: 137937
Amount: 0.001291
Amount Units: ng/uL



Manual Integration Results

RT: 1.36
Area: 121940
Amount: 0.001066
Amount Units: ng/uL



Reviewer: clarkda, 18-Sep-2018 09:14:37
Audit Action: Manually Integrated Audit Reason: Baseline Smoothing

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Lab Sample ID: CCV 480-446375/6 Calibration Date: 11/19/2018 10:47

Instrument ID: HP6890-7 Calib Start Date: 05/07/2018 17:37

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/07/2018 18:09

Lab File ID: 7_31-166.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		0.0072		0.340	0.500	-32.1*	20.0
PCB-1221 Peak 2	Lin1		0.0129		0.315	0.500	-36.9*	20.0
PCB-1221 Peak 3	Lin1		0.0081		0.501	0.500	0.2	20.0
PCB-1221 Peak 4	Lin1		0.0297		0.515	0.500	3.1	20.0
PCB-1254 Peak 1	Lin1		0.0561		0.506	0.500	1.3	20.0
PCB-1254 Peak 2	Ave	0.0423	0.0373		0.441	0.500	-11.8	20.0
PCB-1254 Peak 3	Ave	0.0770	0.0670		0.435	0.500	-13.0	20.0
PCB-1254 Peak 4	Ave	0.0770	0.0665		0.432	0.500	-13.6	20.0
PCB-1254 Peak 5	Lin1		0.0525		0.473	0.500	-5.4	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Lab Sample ID: CCV 480-446375/6 Calibration Date: 11/19/2018 10:47

Instrument ID: HP6890-7 Calib Start Date: 05/07/2018 17:37

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/07/2018 18:09

Lab File ID: 7_31-166.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	1.51	1.48	1.54
PCB-1221 Peak 2	2.08	2.05	2.11
PCB-1221 Peak 3	2.16	2.13	2.19
PCB-1221 Peak 4	2.20	2.17	2.23
PCB-1254 Peak 1	3.83	3.80	3.86
PCB-1254 Peak 2	4.05	4.02	4.08
PCB-1254 Peak 3	4.13	4.10	4.16
PCB-1254 Peak 4	4.33	4.30	4.36
PCB-1254 Peak 5	4.73	4.70	4.76

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-166.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 19-Nov-2018 10:47:32 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 20-Nov-2018 09:00:04 Calib Date: 17-Sep-2018 16:57:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-062.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: CTX0319

First Level Reviewer: thongjanw Date: 20-Nov-2018 08:54:18

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							s
1	1.072	1.072	0.000	14706423	0.5000	0.5000	
2	0.913	0.913	0.000	41908253	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1221							M
1	1.510	1.510	0.000	105751	0.5000	0.3395	
1	2.081	2.081	0.000	189487	0.5000	0.3154	
1	2.157	2.157	0.000	118800	0.5000	0.5010	
1	2.203	2.203	0.000	437360	0.5000	0.5153	
		Average of Peak Amounts =				0.4178	
2	1.188	1.188	0.000	280089	0.5000	0.4547	M
2	1.648	1.648	0.000	541525	0.5000	0.5434	
2	1.738	1.738	0.000	320041	0.5000	0.4753	
2	1.783	1.783	0.000	1125287	0.5000	0.4775	M
		Average of Peak Amounts =				0.4877	
						RPD = 15.44	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1254							M
1	3.827	3.827	0.000	824897	0.5000	0.5063	M
1	4.048	4.048	0.000	548883	0.5000	0.4408	M
1	4.128	4.128	0.000	984904	0.5000	0.4349	M
1	4.326	4.326	0.000	978528	0.5000	0.4319	M
1	4.729	4.729	0.000	771797	0.5000	0.4731	M
		Average of Peak Amounts =				0.4574	
2	3.238	3.238	0.000	1671707	0.5000	0.5458	
2	3.606	3.606	0.000	2752201	0.5000	0.4663	
2	3.744	3.744	0.000	2767433	0.5000	0.4671	
2	4.039	4.039	0.000	1568753	0.5000	0.4631	
2	4.167	4.167	0.000	2225362	0.5000	0.5351	
		Average of Peak Amounts =				0.4955	
						RPD = 8.00	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Review Flags

M - Manually Integrated

Reagents:

21-54w/IS@0.5_00032 Amount Added: 1.00 Units: mL

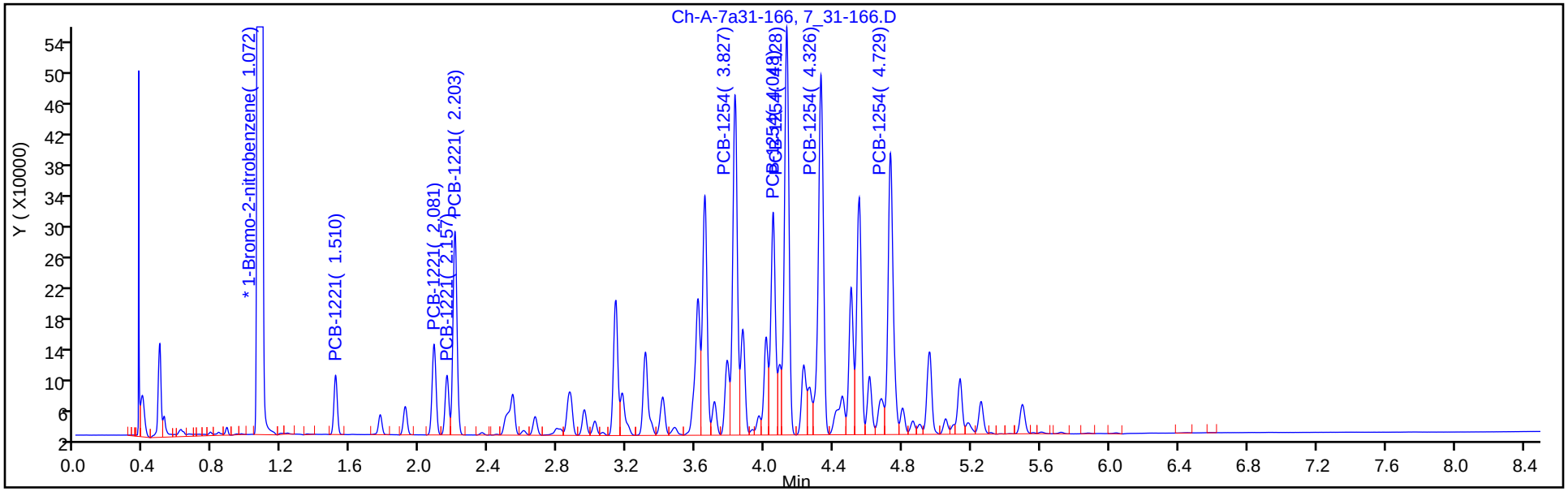
Report Date: 20-Nov-2018 09:00:05 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

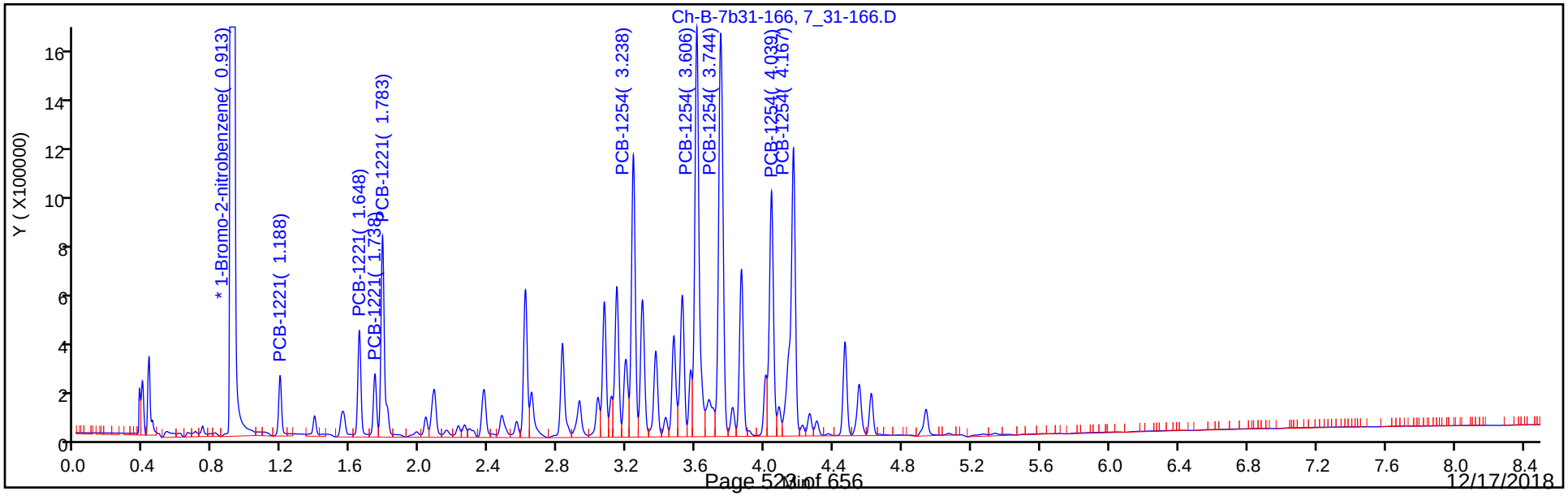
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-166.D

Injection Date:	19-Nov-2018 10:47:32	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 20-Nov-2018 09:00:05 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-166.D

Injection Date: 19-Nov-2018 10:47:32 Instrument ID: HP6890-7

Lims ID: CCV

Client ID:

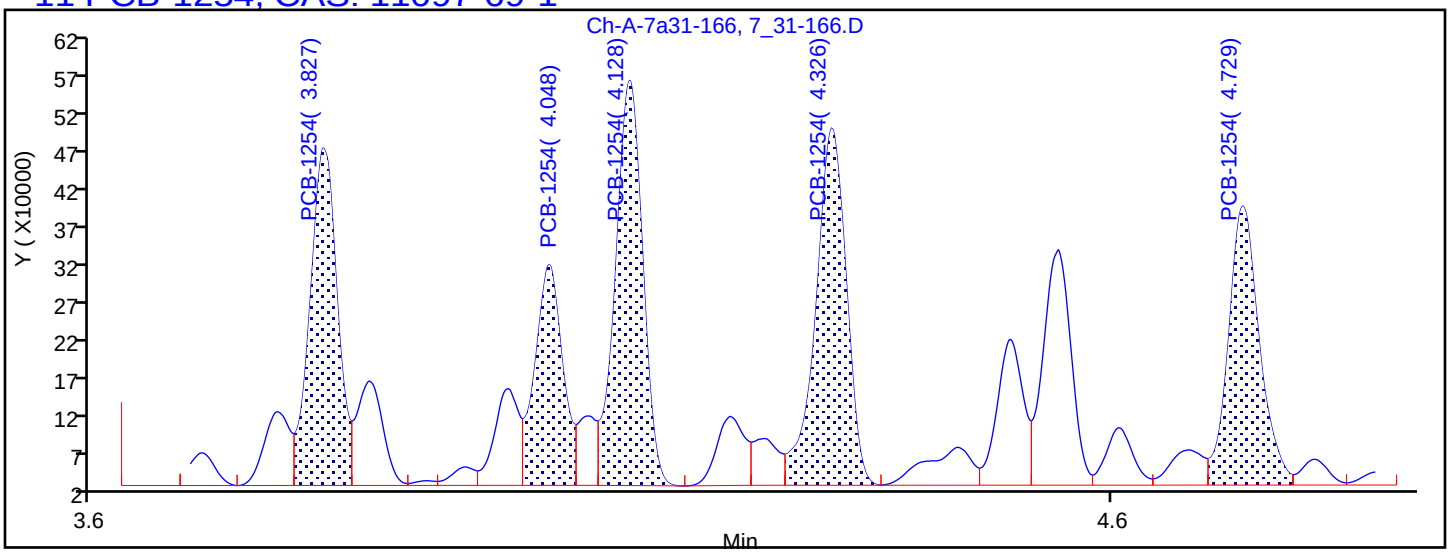
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 6

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

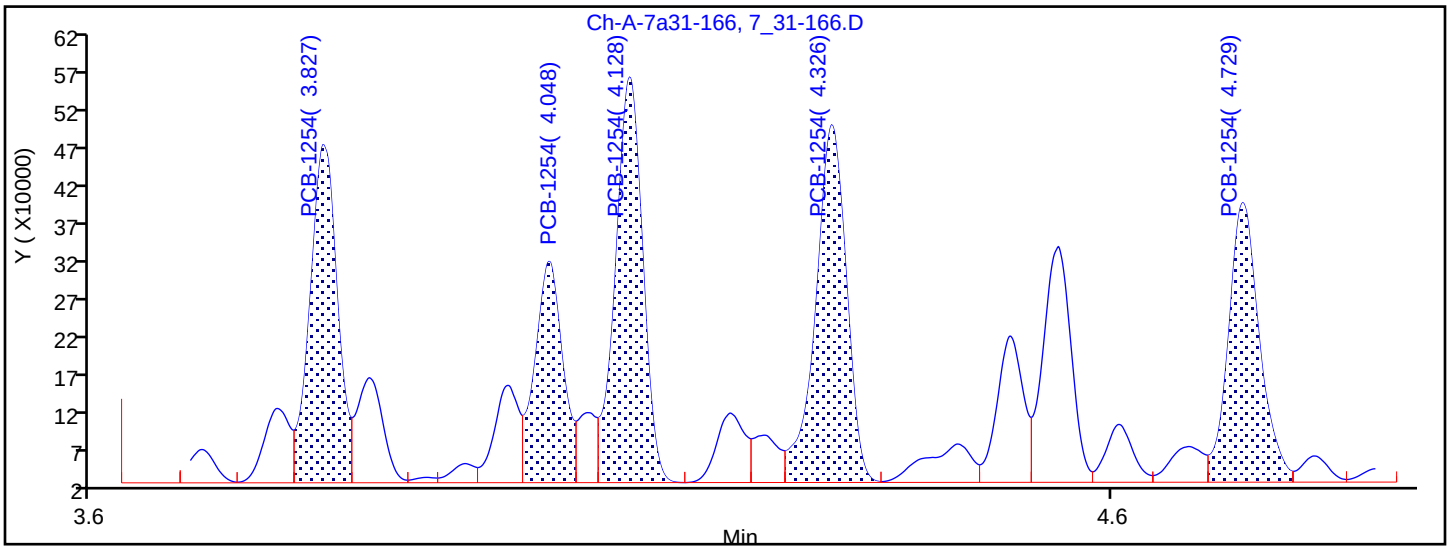
Column: Detector Ch-A-7A136

11 PCB-1254, CAS: 11097-69-1



Processing Integration Results

3.827	Response = 821807
4.048	Response = 546177
4.128	Response = 982708
4.326	Response = 974223
4.729	Response = 768854



Manual Integration Results

3.827	Response = 824897	M
4.048	Response = 548883	M
4.128	Response = 984904	M
4.326	Response = 978528	M
4.729	Response = 771797	M

Reviewer: thongjanw, 20-Nov-2018 08:59:48

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Lab Sample ID: CCV 480-446375/6 Calibration Date: 11/19/2018 10:47

Instrument ID: HP6890-7 Calib Start Date: 05/07/2018 17:37

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/07/2018 18:09

Lab File ID: 7_31-166.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		0.0067		0.455	0.500	-9.1	20.0
PCB-1221 Peak 2	Lin1		0.0129		0.543	0.500	8.7	20.0
PCB-1221 Peak 3	Lin1		0.0076		0.475	0.500	-4.9	20.0
PCB-1221 Peak 4	Lin1		0.0269		0.477	0.500	-4.5	20.0
PCB-1254 Peak 1	Lin1		0.0399		0.546	0.500	9.2	20.0
PCB-1254 Peak 2	Ave	0.0704	0.0657		0.466	0.500	-6.7	20.0
PCB-1254 Peak 3	Ave	0.0707	0.0660		0.467	0.500	-6.6	20.0
PCB-1254 Peak 4	Ave	0.0404	0.0374		0.463	0.500	-7.4	20.0
PCB-1254 Peak 5	Lin1		0.0531		0.535	0.500	7.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Lab Sample ID: CCV 480-446375/6 Calibration Date: 11/19/2018 10:47

Instrument ID: HP6890-7 Calib Start Date: 05/07/2018 17:37

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/07/2018 18:09

Lab File ID: 7_31-166.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	1.19	1.16	1.22
PCB-1221 Peak 2	1.65	1.62	1.68
PCB-1221 Peak 3	1.74	1.71	1.77
PCB-1221 Peak 4	1.78	1.75	1.81
PCB-1254 Peak 1	3.24	3.21	3.27
PCB-1254 Peak 2	3.61	3.58	3.64
PCB-1254 Peak 3	3.74	3.71	3.77
PCB-1254 Peak 4	4.04	4.01	4.07
PCB-1254 Peak 5	4.17	4.14	4.20

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-166.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 19-Nov-2018 10:47:32 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 20-Nov-2018 09:00:04 Calib Date: 17-Sep-2018 16:57:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-062.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: CTX0319

First Level Reviewer: thongjanw Date: 20-Nov-2018 08:54:18

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							s
1	1.072	1.072	0.000	14706423	0.5000	0.5000	
2	0.913	0.913	0.000	41908253	0.5000	0.5000	
						RPD = 0.00	
5 PCB-1221							M
1	1.510	1.510	0.000	105751	0.5000	0.3395	
1	2.081	2.081	0.000	189487	0.5000	0.3154	
1	2.157	2.157	0.000	118800	0.5000	0.5010	
1	2.203	2.203	0.000	437360	0.5000	0.5153	
		Average of Peak Amounts =				0.4178	
2	1.188	1.188	0.000	280089	0.5000	0.4547	M
2	1.648	1.648	0.000	541525	0.5000	0.5434	
2	1.738	1.738	0.000	320041	0.5000	0.4753	
2	1.783	1.783	0.000	1125287	0.5000	0.4775	M
		Average of Peak Amounts =				0.4877	
						RPD = 15.44	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
11 PCB-1254							M
1	3.827	3.827	0.000	824897	0.5000	0.5063	M
1	4.048	4.048	0.000	548883	0.5000	0.4408	M
1	4.128	4.128	0.000	984904	0.5000	0.4349	M
1	4.326	4.326	0.000	978528	0.5000	0.4319	M
1	4.729	4.729	0.000	771797	0.5000	0.4731	M
		Average of Peak Amounts =				0.4574	
2	3.238	3.238	0.000	1671707	0.5000	0.5458	
2	3.606	3.606	0.000	2752201	0.5000	0.4663	
2	3.744	3.744	0.000	2767433	0.5000	0.4671	
2	4.039	4.039	0.000	1568753	0.5000	0.4631	
2	4.167	4.167	0.000	2225362	0.5000	0.5351	
		Average of Peak Amounts =				0.4955	
						RPD = 8.00	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Review Flags

M - Manually Integrated

Reagents:

21-54w/IS@0.5_00032 Amount Added: 1.00 Units: mL

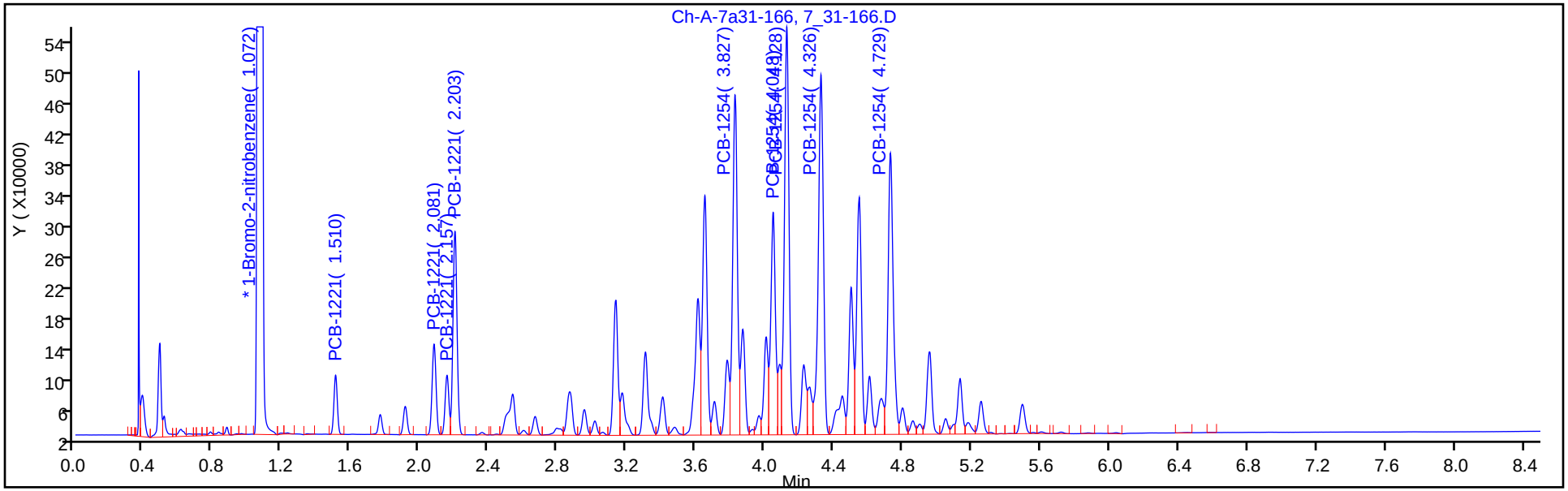
Report Date: 20-Nov-2018 09:00:06 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

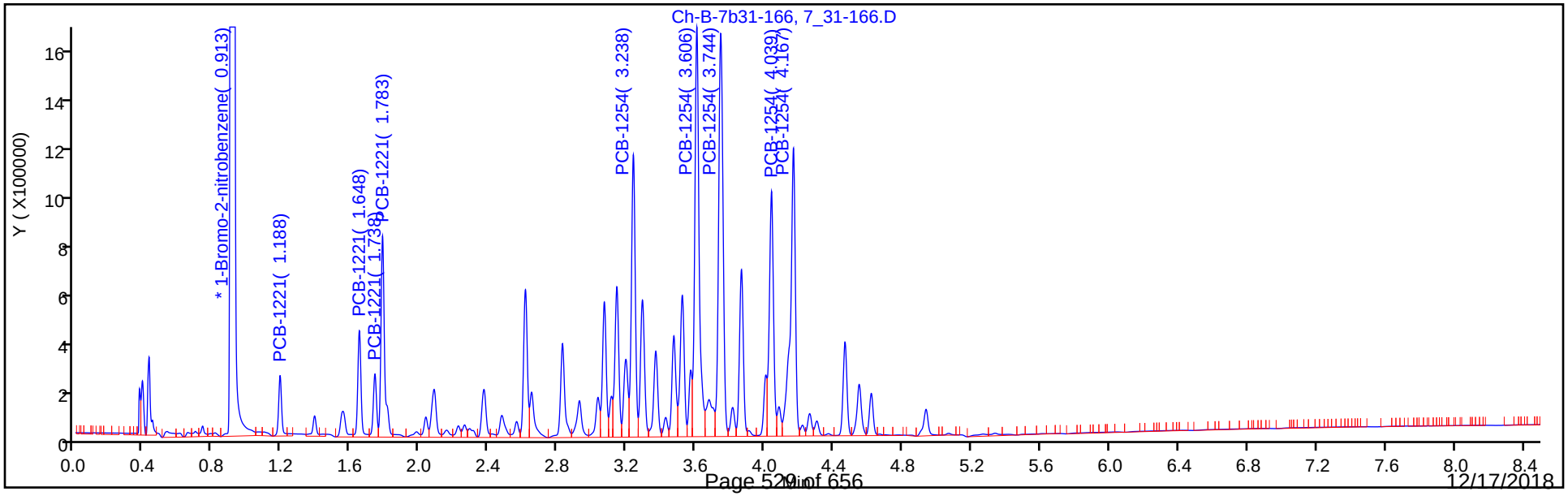
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-166.D

Injection Date:	19-Nov-2018 10:47:32	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 20-Nov-2018 09:00:06 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-166.D

Injection Date: 19-Nov-2018 10:47:32 Instrument ID: HP6890-7

Lims ID: CCV

Client ID:

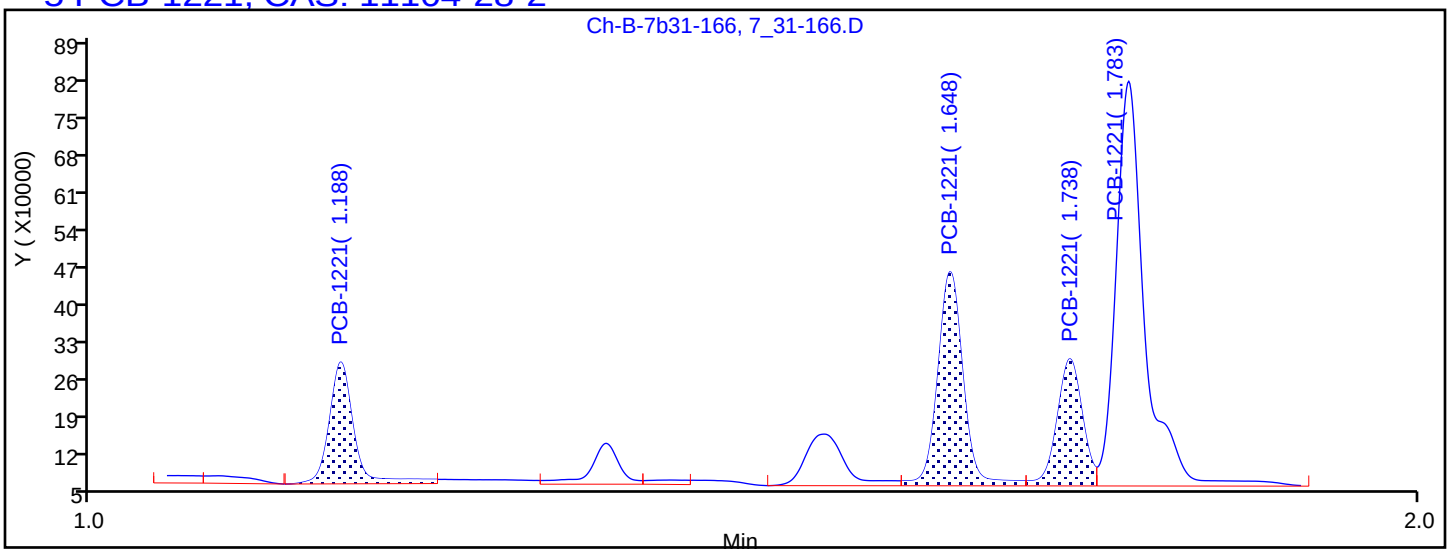
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 6

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

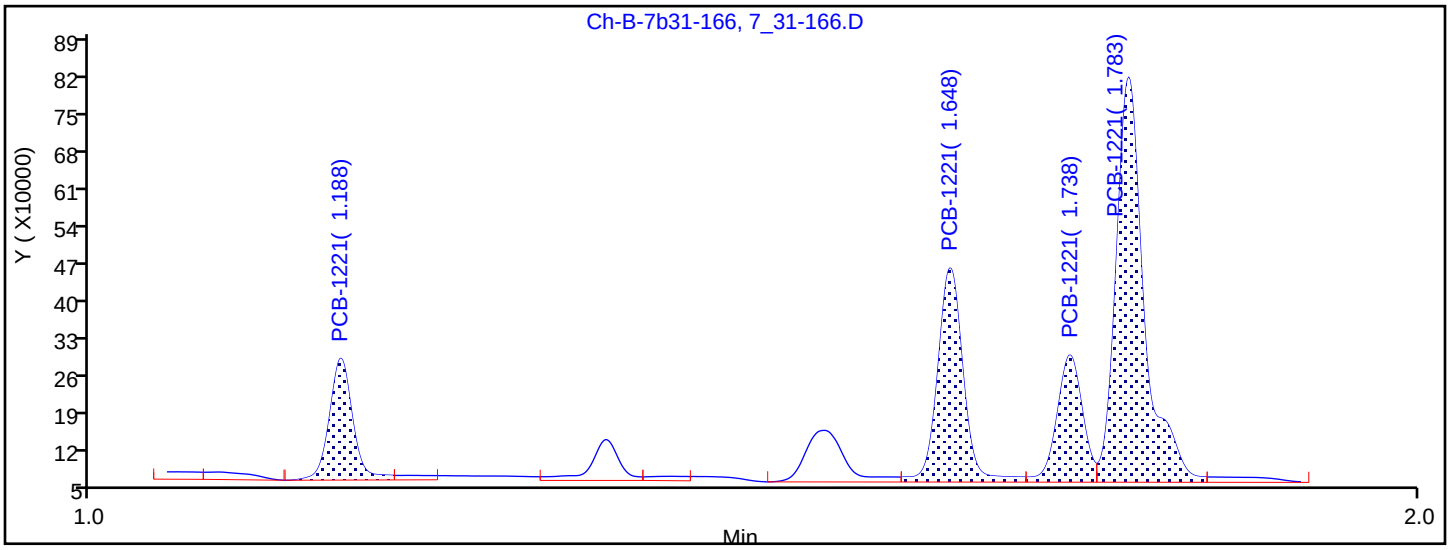
Column: Detector Ch-B-7b136

5 PCB-1221, CAS: 11104-28-2



Processing Integration Results

1.188	Response = 296110
1.648	Response = 541525
1.738	Response = 320041
1.783	Response = 1158031



Manual Integration Results

1.188	Response = 280089	M
1.648	Response = 541525	
1.738	Response = 320041	
1.783	Response = 1125287	M

Reviewer: thongjanw, 20-Nov-2018 08:52:25

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Lab Sample ID: CCV 480-446375/7 Calibration Date: 11/19/2018 11:03

Instrument ID: HP6890-7 Calib Start Date: 05/07/2018 18:41

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/07/2018 19:13

Lab File ID: 7_31-167.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		0.0238		0.504	0.500	0.7	20.0
PCB-1232 Peak 2	Lin1		0.0122		0.318	0.500	-36.3*	20.0
PCB-1232 Peak 3	Lin1		0.0416		0.500	0.500	0.0	20.0
PCB-1232 Peak 4	Lin1		0.0160		0.483	0.500	-3.5	20.0
PCB-1232 Peak 5	Lin1		0.0109		0.494	0.500	-1.2	20.0
PCB-1262 Peak 1	Lin1		0.0388		0.506	0.500	1.2	20.0
PCB-1262 Peak 2	Lin1		0.0425		0.493	0.500	-1.4	20.0
PCB-1262 Peak 3	Lin1		0.0372		0.476	0.500	-4.8	20.0
PCB-1262 Peak 4	Qua		0.0568		0.398	0.500	-20.4*	20.0
PCB-1262 Peak 5	Lin		0.0430		0.397	0.500	-20.7*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Lab Sample ID: CCV 480-446375/7 Calibration Date: 11/19/2018 11:03

Instrument ID: HP6890-7 Calib Start Date: 05/07/2018 18:41

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/07/2018 19:13

Lab File ID: 7_31-167.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	2.20	2.17	2.23
PCB-1232 Peak 2	2.67	2.64	2.70
PCB-1232 Peak 3	2.87	2.84	2.90
PCB-1232 Peak 4	2.95	2.92	2.98
PCB-1232 Peak 5	3.01	2.98	3.04
PCB-1262 Peak 1	4.32	4.29	4.35
PCB-1262 Peak 2	4.50	4.47	4.53
PCB-1262 Peak 3	4.73	4.70	4.76
PCB-1262 Peak 4	4.86	4.83	4.89
PCB-1262 Peak 5	5.05	5.02	5.08

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-167.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 19-Nov-2018 11:03:25 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub8

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 20-Nov-2018 08:59:18 Calib Date: 17-Sep-2018 16:57:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-062.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: CTX0319

First Level Reviewer: thongjanw Date: 20-Nov-2018 08:55:58

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							s
1	1.072	1.072	0.000	14552069	0.5000	0.5000	
2	0.913	0.913	0.000	41751848	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1232							M
1	2.203	2.203	0.000	346611	0.5000	0.5037	M
1	2.668	2.668	0.000	177205	0.5000	0.3183	M
1	2.871	2.871	0.000	605517	0.5000	0.5002	M
1	2.953	2.953	0.000	233336	0.5000	0.4827	M
1	3.014	3.014	0.000	158437	0.5000	0.4941	M
		Average of Peak Amounts =				0.4598	
2	1.783	1.783	0.000	884296	0.5000	0.4238	
2	2.075	2.075	0.000	824708	0.5000	0.5095	
2	2.371	2.371	0.000	1526616	0.5000	0.4691	
2	2.474	2.474	0.000	605235	0.5000	0.4393	
2	2.828	2.828	0.000	668865	0.5000	0.4901	M
		Average of Peak Amounts =				0.4664	
						RPD = 1.42	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13	PCB-1262						M
1	4.318	4.318	0.000	564562	0.5000	0.5061	M
1	4.502	4.502	0.000	618581	0.5000	0.4931	M
1	4.729	4.729	0.000	541815	0.5000	0.4762	M
1	4.859	4.859	0.000	826701	0.5000	0.3980	M
1	5.049	5.049	0.000	624966	0.5000	0.3967	M
		Average of Peak Amounts =				0.4540	
2	3.752	3.752	0.000	1490439	0.5000	0.5368	M
2	4.471	4.471	0.000	1872487	0.5000	0.5324	M
2	4.618	4.618	0.000	3780079	0.5000	0.5146	M
2	4.907	4.907	0.000	1460599	0.5000	0.4651	M
2	4.940	4.940	0.000	2341232	0.5000	0.5130	M
		Average of Peak Amounts =				0.5124	
						RPD = 12.09	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Review Flags

M - Manually Integrated

Reagents:

32-62w/IS@0.5_00035 Amount Added: 1.00 Units: mL

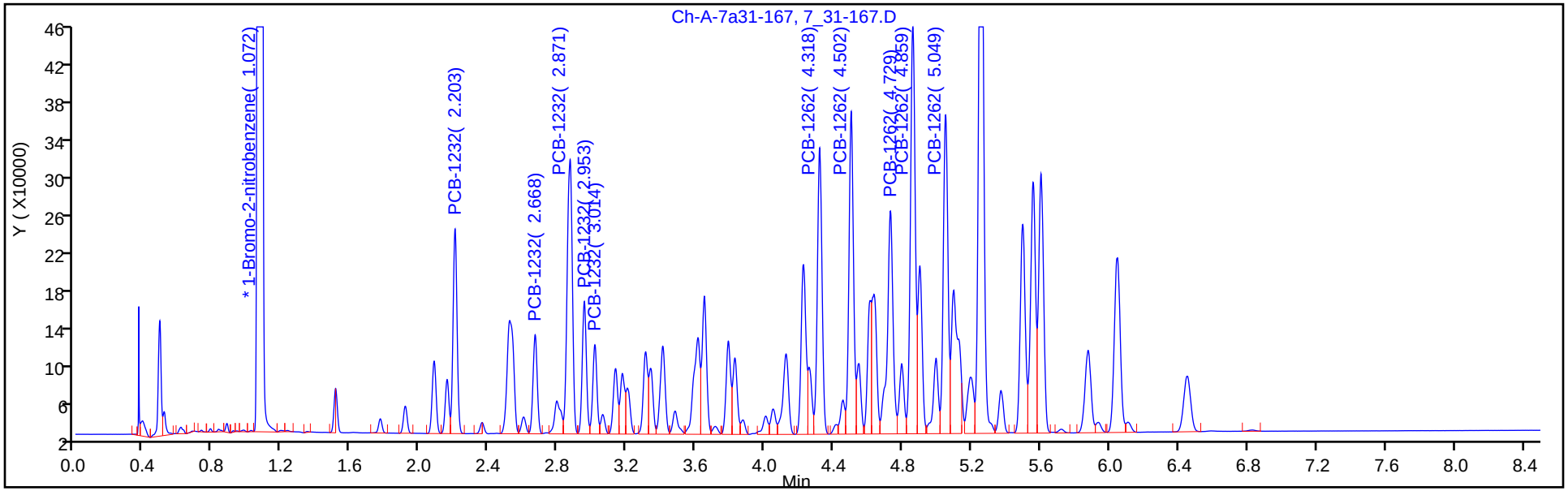
Report Date: 20-Nov-2018 08:59:19 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

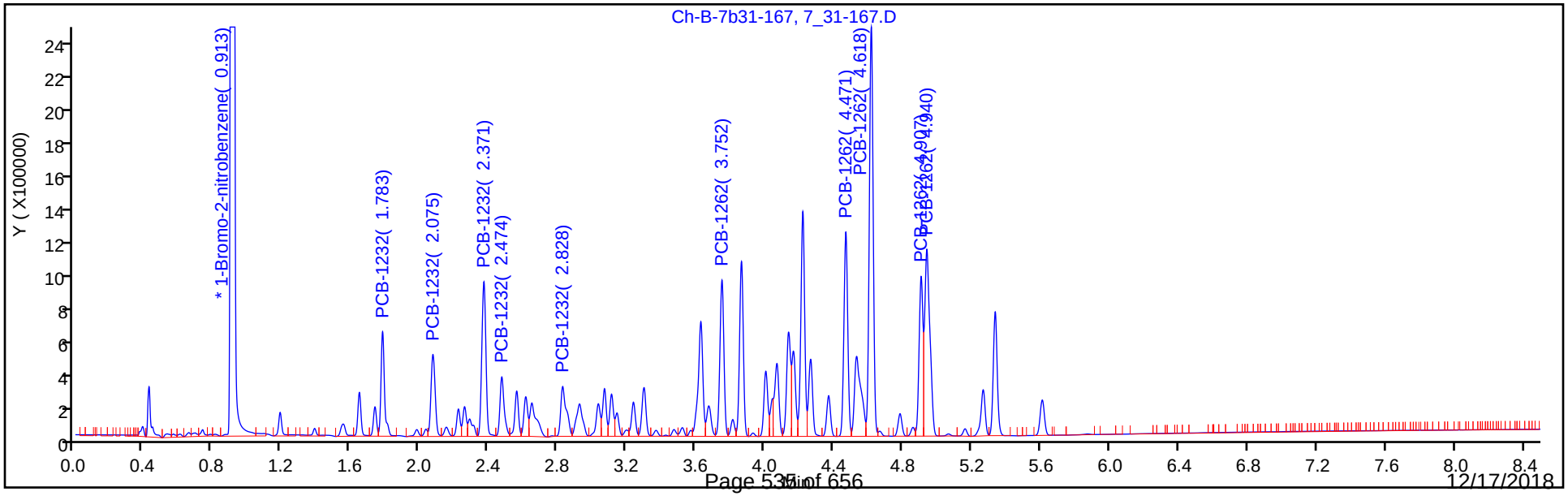
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-167.D

Injection Date:	19-Nov-2018 11:03:25	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 20-Nov-2018 08:59:19 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-167.D

Injection Date: 19-Nov-2018 11:03:25 Instrument ID: HP6890-7

Lims ID: CCV

Client ID:

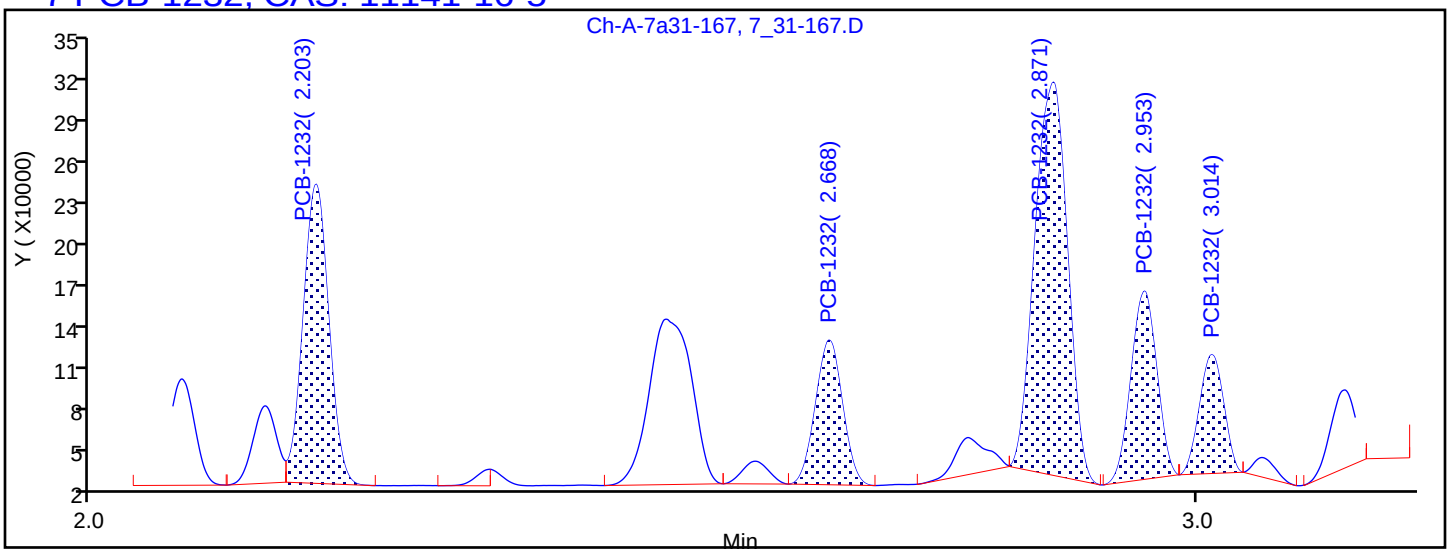
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 7

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

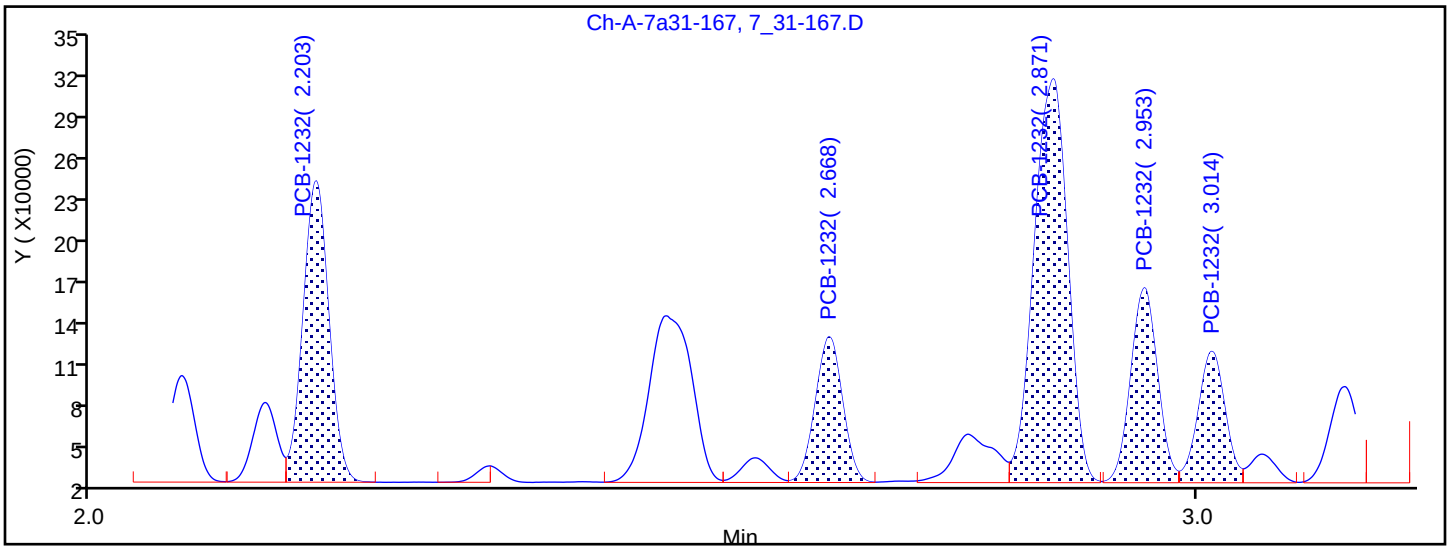
Column: Detector Ch-A-7A136

7 PCB-1232, CAS: 11141-16-5



Processing Integration Results

2.203	Response = 340956
2.668	Response = 173614
2.871	Response = 569347
2.953	Response = 215243
3.014	Response = 127613



Manual Integration Results

2.203	Response = 346611	M
2.668	Response = 177205	M
2.871	Response = 605517	M
2.953	Response = 233336	M
3.014	Response = 158437	M

Reviewer: thongjanw, 20-Nov-2018 08:54:59

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 20-Nov-2018 08:59:19 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-167.D

Injection Date: 19-Nov-2018 11:03:25 Instrument ID: HP6890-7

Lims ID: CCV

Client ID:

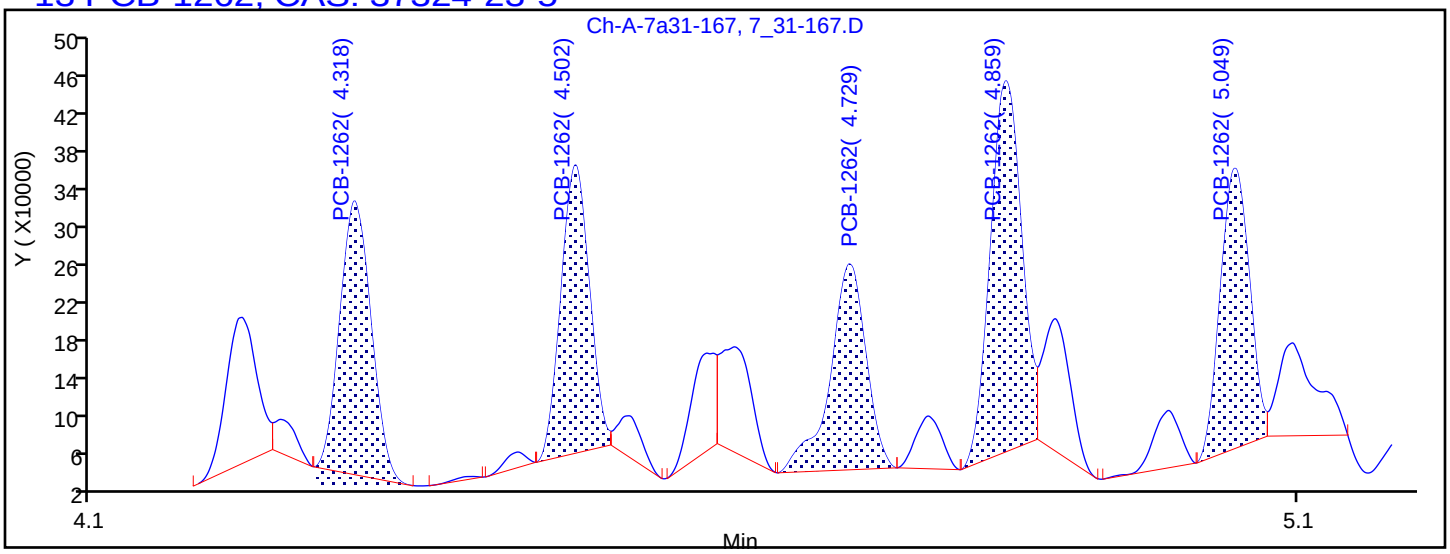
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 7

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

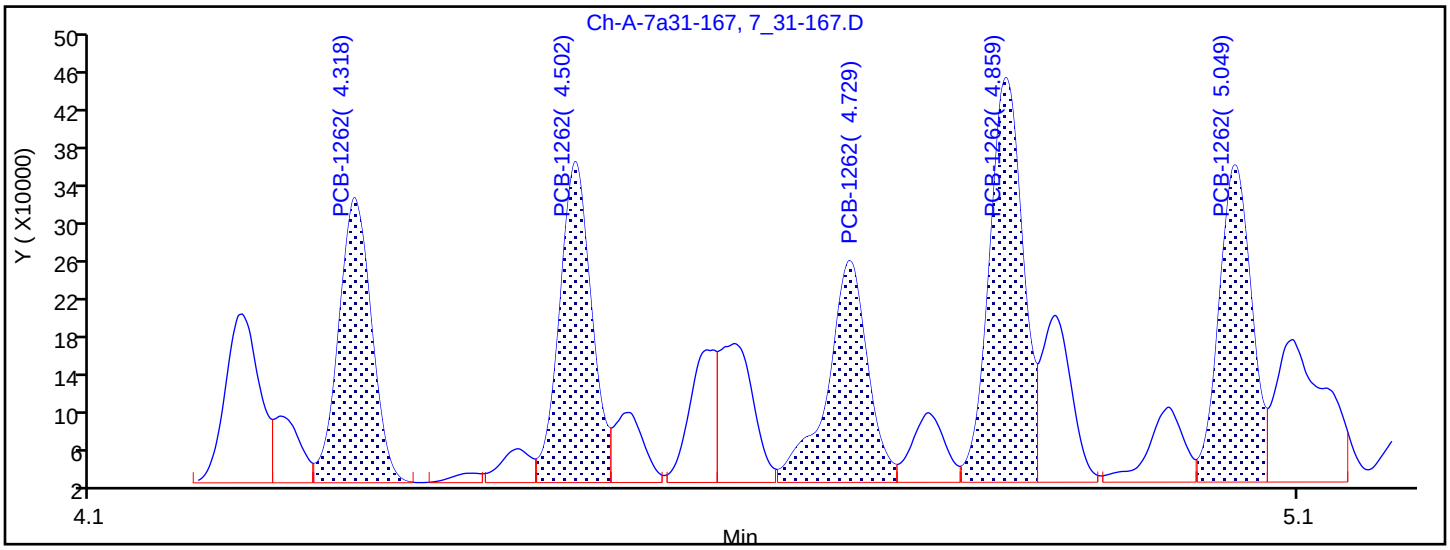
Column: Detector Ch-A-7A136

13 PCB-1262, CAS: 37324-23-5



Processing Integration Results

4.318	Response = 514515
4.502	Response = 493752
4.729	Response = 446228
4.859	Response = 702943
5.049	Response = 493723



Manual Integration Results

4.318	Response = 564562	M
4.502	Response = 618581	M
4.729	Response = 541815	M
4.859	Response = 826701	M
5.049	Response = 624966	M

Reviewer: thongjanw, 20-Nov-2018 08:55:11

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Lab Sample ID: CCV 480-446375/7 Calibration Date: 11/19/2018 11:03

Instrument ID: HP6890-7 Calib Start Date: 05/07/2018 18:41

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/07/2018 19:13

Lab File ID: 7_31-167.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		0.0212		0.424	0.500	-15.2	20.0
PCB-1232 Peak 2	Lin1		0.0198		0.510	0.500	1.9	20.0
PCB-1232 Peak 3	Ave	0.0390	0.0366		0.469	0.500	-6.2	20.0
PCB-1232 Peak 4	Ave	0.0165	0.0145		0.439	0.500	-12.1	20.0
PCB-1232 Peak 5	Lin1		0.0160		0.490	0.500	-2.0	20.0
PCB-1262 Peak 1	Lin1		0.0357		0.537	0.500	7.4	20.0
PCB-1262 Peak 2	Lin1		0.0449		0.532	0.500	6.5	20.0
PCB-1262 Peak 3	Lin1		0.0905		0.515	0.500	2.9	20.0
PCB-1262 Peak 4	Lin1		0.0350		0.465	0.500	-7.0	20.0
PCB-1262 Peak 5	Lin1		0.0561		0.513	0.500	2.6	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Lab Sample ID: CCV 480-446375/7 Calibration Date: 11/19/2018 11:03

Instrument ID: HP6890-7 Calib Start Date: 05/07/2018 18:41

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/07/2018 19:13

Lab File ID: 7_31-167.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	1.78	1.75	1.81
PCB-1232 Peak 2	2.08	2.05	2.11
PCB-1232 Peak 3	2.37	2.34	2.40
PCB-1232 Peak 4	2.47	2.44	2.50
PCB-1232 Peak 5	2.83	2.80	2.86
PCB-1262 Peak 1	3.75	3.72	3.78
PCB-1262 Peak 2	4.47	4.44	4.50
PCB-1262 Peak 3	4.62	4.59	4.65
PCB-1262 Peak 4	4.91	4.88	4.94
PCB-1262 Peak 5	4.94	4.91	4.97

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-167.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 19-Nov-2018 11:03:25 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub8

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 20-Nov-2018 08:59:18 Calib Date: 17-Sep-2018 16:57:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-062.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: CTX0319

First Level Reviewer: thongjanw Date: 20-Nov-2018 08:55:58

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							s
1	1.072	1.072	0.000	14552069	0.5000	0.5000	
2	0.913	0.913	0.000	41751848	0.5000	0.5000	
						RPD = 0.00	
7 PCB-1232							M
1	2.203	2.203	0.000	346611	0.5000	0.5037	M
1	2.668	2.668	0.000	177205	0.5000	0.3183	M
1	2.871	2.871	0.000	605517	0.5000	0.5002	M
1	2.953	2.953	0.000	233336	0.5000	0.4827	M
1	3.014	3.014	0.000	158437	0.5000	0.4941	M
		Average of Peak Amounts =				0.4598	
2	1.783	1.783	0.000	884296	0.5000	0.4238	
2	2.075	2.075	0.000	824708	0.5000	0.5095	
2	2.371	2.371	0.000	1526616	0.5000	0.4691	
2	2.474	2.474	0.000	605235	0.5000	0.4393	
2	2.828	2.828	0.000	668865	0.5000	0.4901	M
		Average of Peak Amounts =				0.4664	
						RPD = 1.42	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
13	PCB-1262						M
1	4.318	4.318	0.000	564562	0.5000	0.5061	M
1	4.502	4.502	0.000	618581	0.5000	0.4931	M
1	4.729	4.729	0.000	541815	0.5000	0.4762	M
1	4.859	4.859	0.000	826701	0.5000	0.3980	M
1	5.049	5.049	0.000	624966	0.5000	0.3967	M
		Average of Peak Amounts =				0.4540	
2	3.752	3.752	0.000	1490439	0.5000	0.5368	M
2	4.471	4.471	0.000	1872487	0.5000	0.5324	M
2	4.618	4.618	0.000	3780079	0.5000	0.5146	M
2	4.907	4.907	0.000	1460599	0.5000	0.4651	M
2	4.940	4.940	0.000	2341232	0.5000	0.5130	M
		Average of Peak Amounts =				0.5124	
						RPD = 12.09	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Review Flags

M - Manually Integrated

Reagents:

32-62w/IS@0.5_00035 Amount Added: 1.00 Units: mL

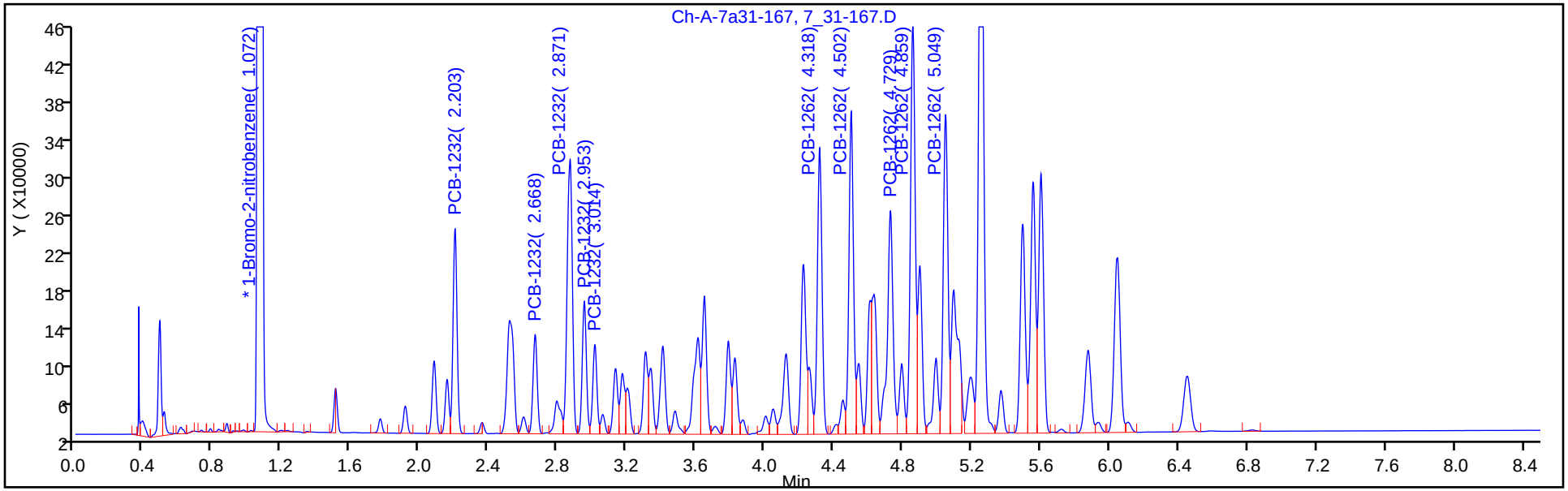
Report Date: 20-Nov-2018 08:59:19 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

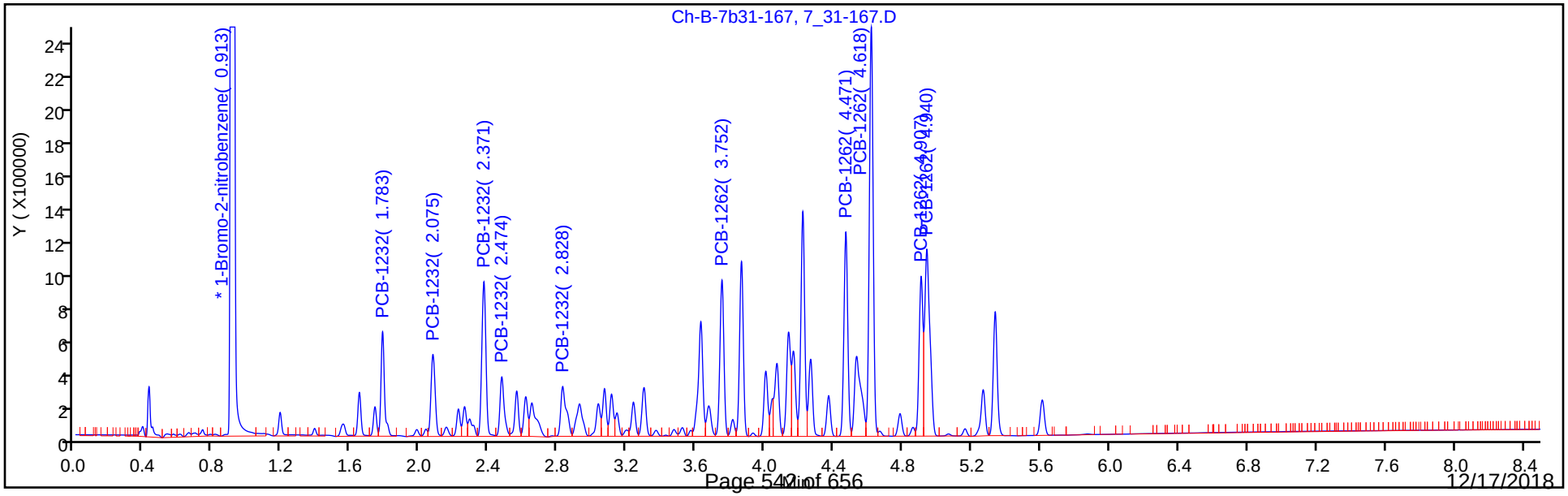
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-167.D

Injection Date:	19-Nov-2018 11:03:25	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 20-Nov-2018 08:59:19 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-167.D

Injection Date: 19-Nov-2018 11:03:25 Instrument ID: HP6890-7

Lims ID: CCV

Client ID:

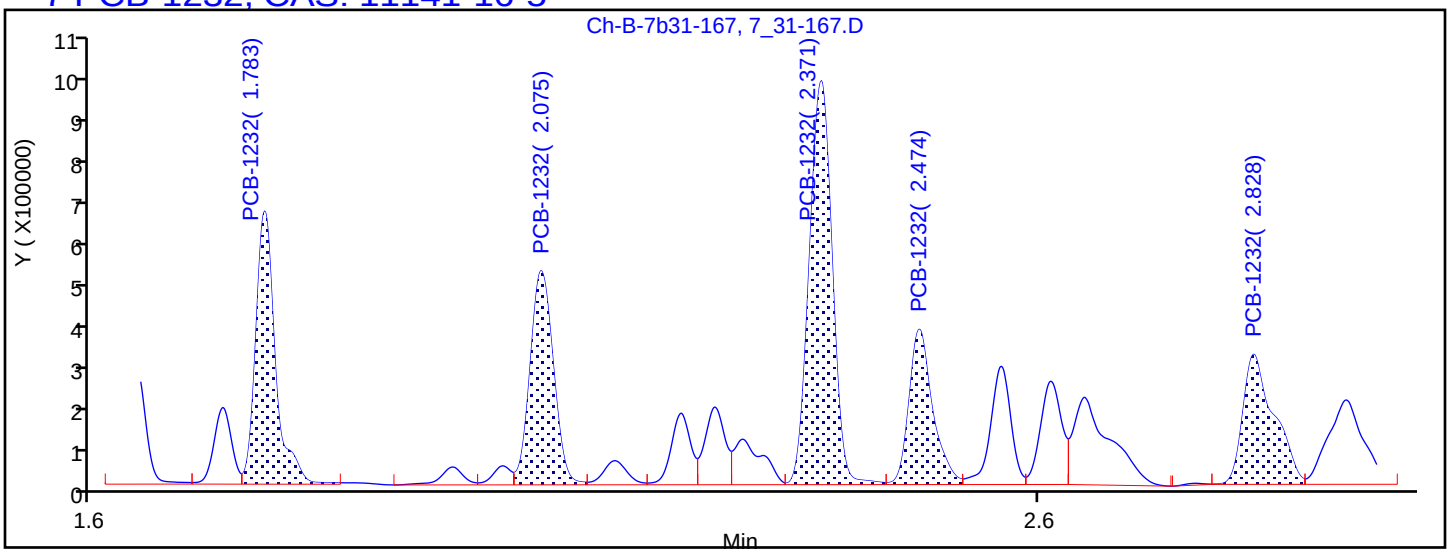
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 7

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

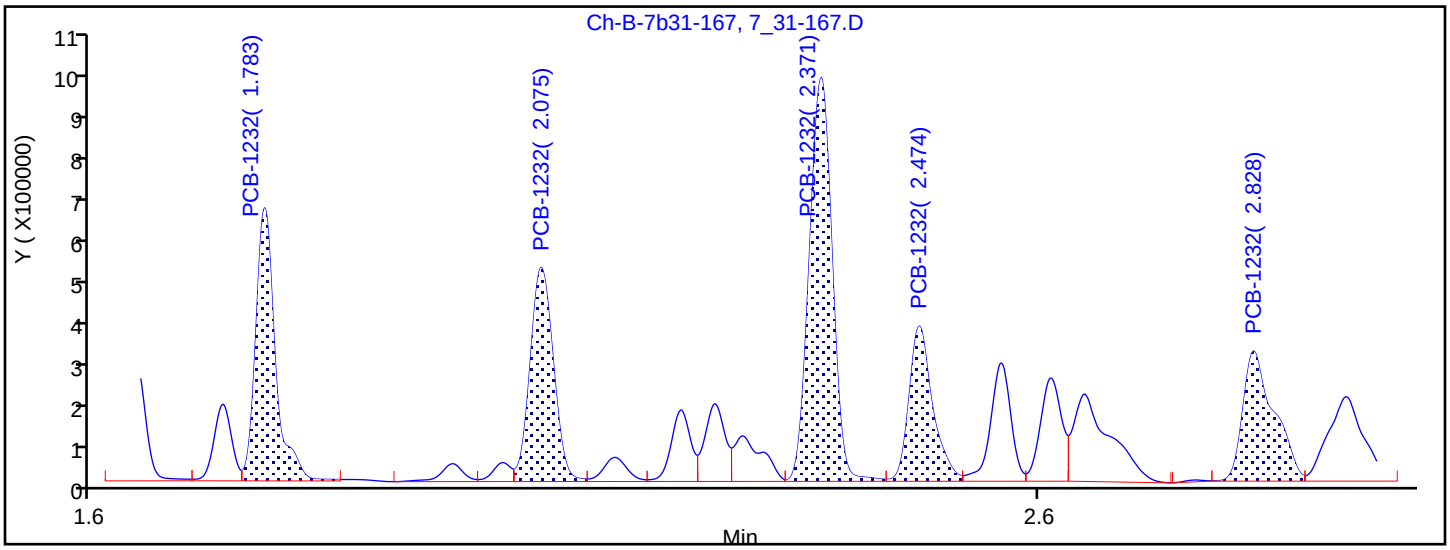
Column: Detector Ch-B-7b136

7 PCB-1232, CAS: 11141-16-5



Processing Integration Results

1.783	Response = 884296
2.075	Response = 824708
2.371	Response = 1526616
2.474	Response = 605235
2.828	Response = 667703



Manual Integration Results

1.783	Response = 884296	
2.075	Response = 824708	
2.371	Response = 1526616	
2.474	Response = 605235	
2.828	Response = 668865	M

Reviewer: thongjanw, 20-Nov-2018 08:58:48

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 20-Nov-2018 08:59:20 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-167.D

Injection Date: 19-Nov-2018 11:03:25 Instrument ID: HP6890-7

Lims ID: CCV

Client ID:

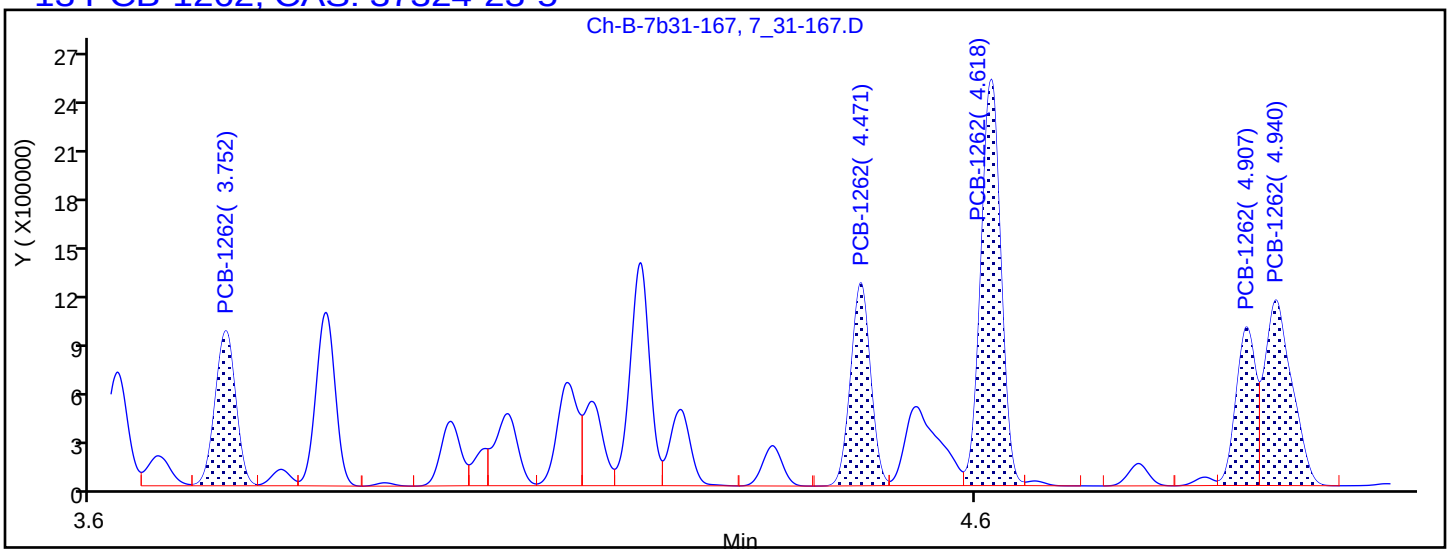
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 7

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

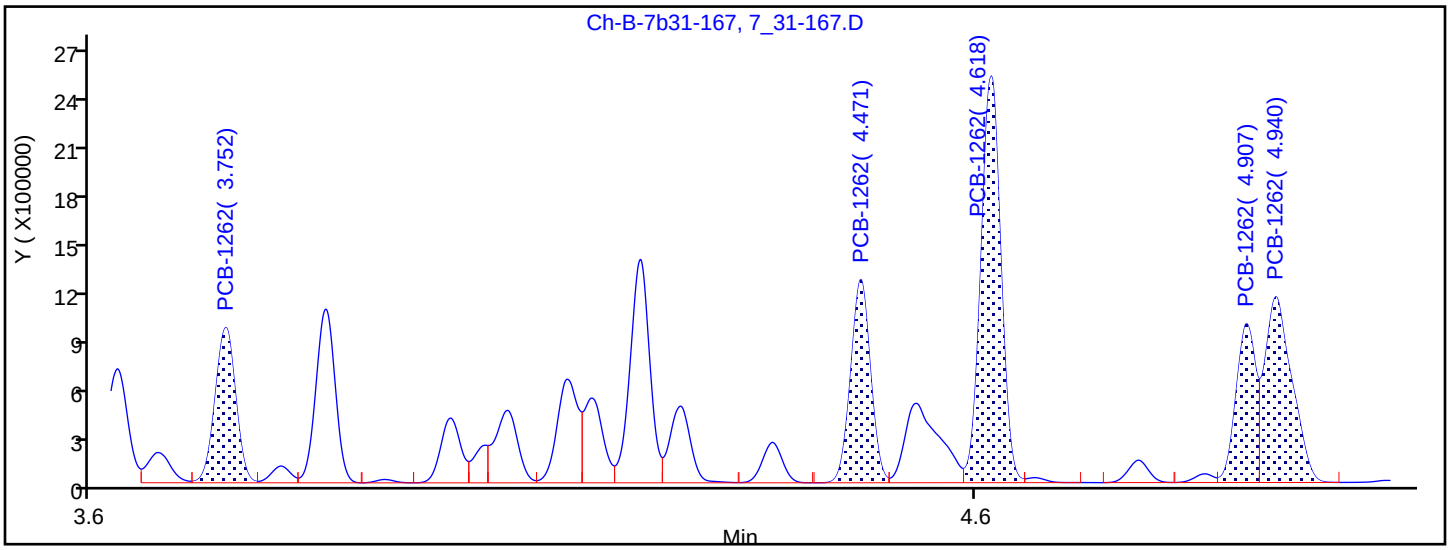
Column: Detector Ch-B-7b136

13 PCB-1262, CAS: 37324-23-5



Processing Integration Results

3.752	Response = 1482173
4.471	Response = 1865587
4.618	Response = 3770038
4.907	Response = 1454516
4.940	Response = 2335114



Manual Integration Results

3.752	Response = 1490439	M
4.471	Response = 1872487	M
4.618	Response = 3780079	M
4.907	Response = 1460599	M
4.940	Response = 2341232	M

Reviewer: thongjanw, 20-Nov-2018 08:58:43

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Lab Sample ID: CCV 480-446375/8 Calibration Date: 11/19/2018 11:19

Instrument ID: HP6890-7 Calib Start Date: 05/07/2018 19:45

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/07/2018 20:17

Lab File ID: 7_31-168.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Ave	0.0887	0.0750		0.423	0.500	-15.4	20.0
PCB-1242 Peak 2	Lin1		0.0282		0.475	0.500	-5.1	20.0
PCB-1242 Peak 3	Lin1		0.0212		0.406	0.500	-18.8	20.0
PCB-1242 Peak 4	Lin1		0.0257		0.496	0.500	-0.8	20.0
PCB-1242 Peak 5	Ave	0.0422	0.0366		0.434	0.500	-13.3	20.0
PCB-1268 Peak 1	Lin1		0.1032		0.366	0.500	-26.8*	20.0
PCB-1268 Peak 2	Ave	0.1454	0.0938		0.323	0.500	-35.5*	20.0
PCB-1268 Peak 3	Lin1		0.0782		0.339	0.500	-32.1*	20.0
PCB-1268 Peak 4	Ave	0.0490	0.0340		0.347	0.500	-30.6*	20.0
PCB-1268 Peak 5	Ave	0.3996	0.2500		0.313	0.500	-37.4*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Lab Sample ID: CCV 480-446375/8 Calibration Date: 11/19/2018 11:19

Instrument ID: HP6890-7 Calib Start Date: 05/07/2018 19:45

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/07/2018 20:17

Lab File ID: 7_31-168.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	2.87	2.84	2.90
PCB-1242 Peak 2	2.95	2.92	2.98
PCB-1242 Peak 3	3.31	3.28	3.34
PCB-1242 Peak 4	3.41	3.38	3.44
PCB-1242 Peak 5	3.61	3.58	3.64
PCB-1268 Peak 1	5.56	5.53	5.59
PCB-1268 Peak 2	5.60	5.57	5.63
PCB-1268 Peak 3	5.86	5.83	5.89
PCB-1268 Peak 4	6.05	6.02	6.08
PCB-1268 Peak 5	6.45	6.42	6.48

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-168.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 19-Nov-2018 11:19:21 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub9

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 20-Nov-2018 08:58:19 Calib Date: 17-Sep-2018 16:57:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-062.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: CTX0319

First Level Reviewer: thongjanw Date: 20-Nov-2018 08:58:19

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							s
1	1.073	1.073	0.000	14618487	0.5000	0.5000	
2	0.913	0.913	0.000	42276052	0.5000	0.5000	
						RPD = 0.00	
8 PCB-1242							M
1	2.870	2.870	0.000	1096011	0.5000	0.4228	M
1	2.953	2.953	0.000	411614	0.5000	0.4747	M
1	3.308	3.308	0.000	309782	0.5000	0.4060	M
1	3.408	3.408	0.000	375295	0.5000	0.4958	M
1	3.612	3.612	0.000	535666	0.5000	0.4337	M
		Average of Peak Amounts =				0.4466	
2	2.074	2.074	0.000	1345716	0.5000	0.4742	M
2	2.371	2.371	0.000	2744070	0.5000	0.5512	M
2	2.474	2.474	0.000	1084435	0.5000	0.4141	M
2	2.613	2.613	0.000	723152	0.5000	0.5538	M
2	2.828	2.828	0.000	1323134	0.5000	0.4793	M
		Average of Peak Amounts =				0.4945	
						RPD = 10.18	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
14 PCB-1268							M
1	5.558	5.558	0.000	1508229	0.5000	0.3658	M
1	5.603	5.603	0.000	1371382	0.5000	0.3226	M
1	5.860	5.860	0.000	1143081	0.5000	0.3394	M
1	6.046	6.046	0.000	497280	0.5000	0.3469	
1	6.450	6.450	0.000	3654509	0.5000	0.3128	
		Average of Peak Amounts =				0.3375	
2	4.908	4.908	0.000	3780852	0.5000	0.4512	M
2	4.946	4.946	0.000	3883805	0.5000	0.4011	M
2	5.243	5.243	0.000	779039	0.5000	0.3671	M
2	5.338	5.338	0.000	1302719	0.5000	0.3994	M
2	5.611	5.611	0.000	9858071	0.5000	0.3919	M
		Average of Peak Amounts =				0.4021	
						RPD = 17.48	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Review Flags

M - Manually Integrated

Reagents:

42-68w/IS@0.5_00035 Amount Added: 1.00 Units: mL

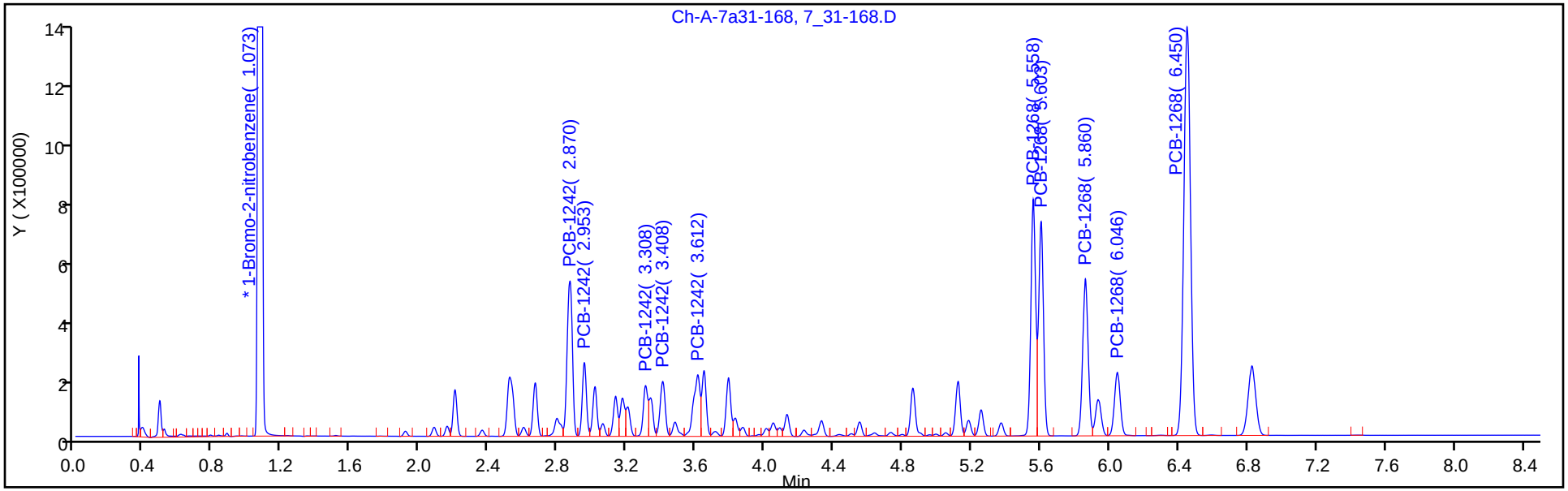
Report Date: 20-Nov-2018 08:58:19 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

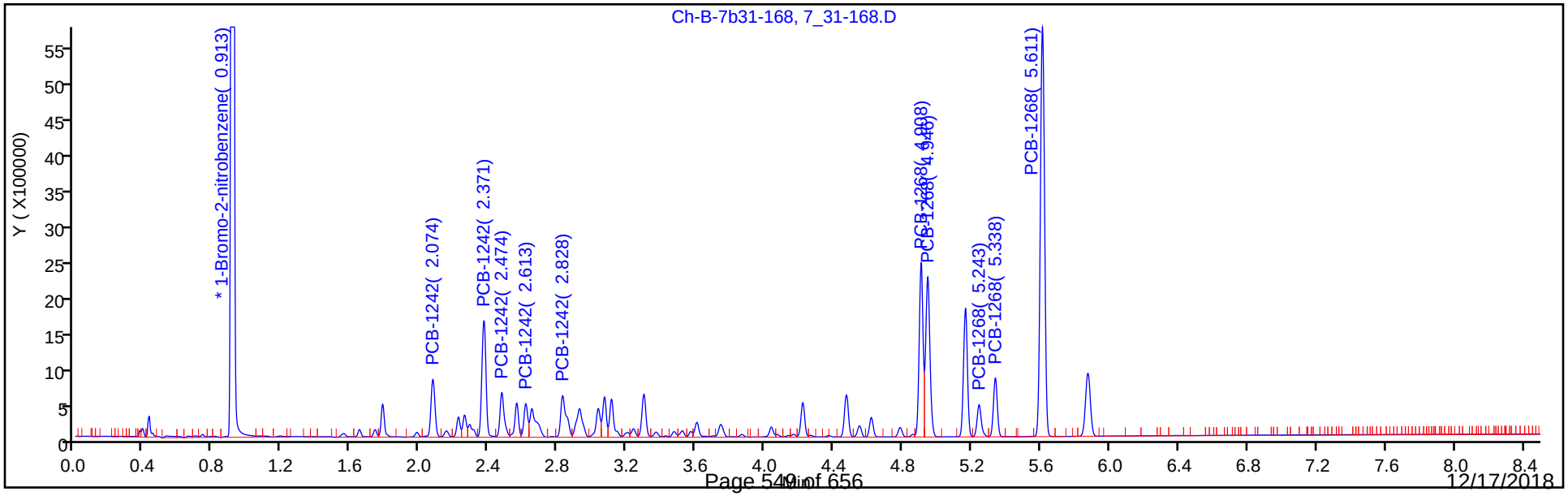
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-168.D

Injection Date:	19-Nov-2018 11:19:21	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 20-Nov-2018 08:58:19 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-168.D

Injection Date: 19-Nov-2018 11:19:21 Instrument ID: HP6890-7

Lims ID: CCV

Client ID:

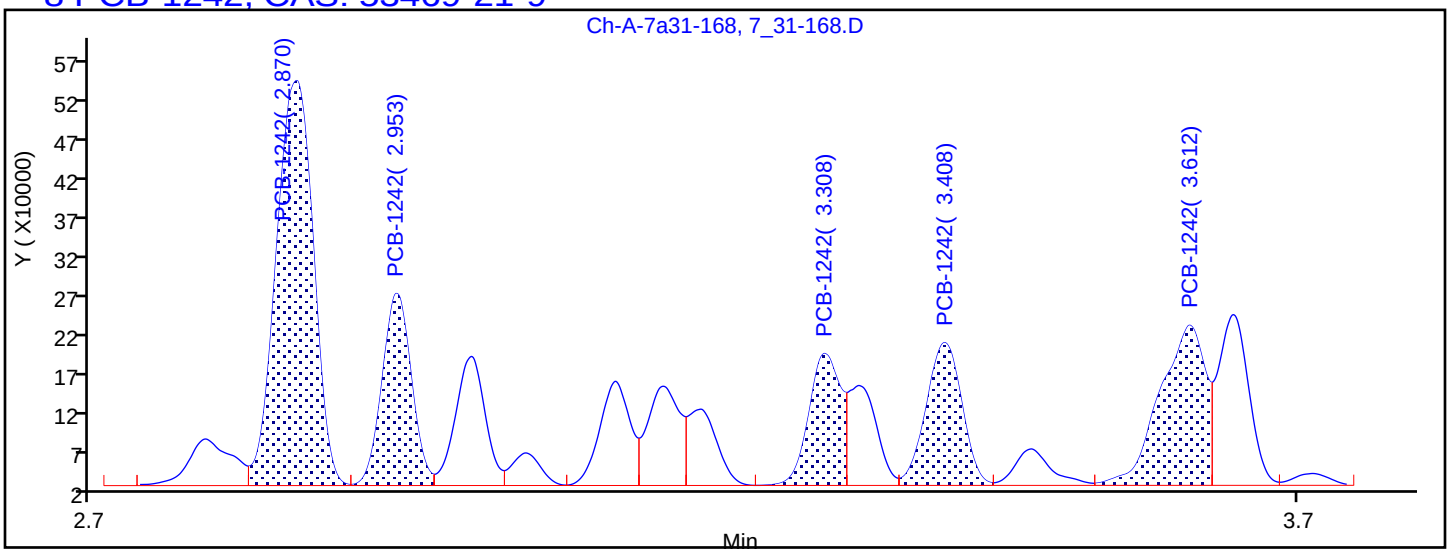
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 8

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

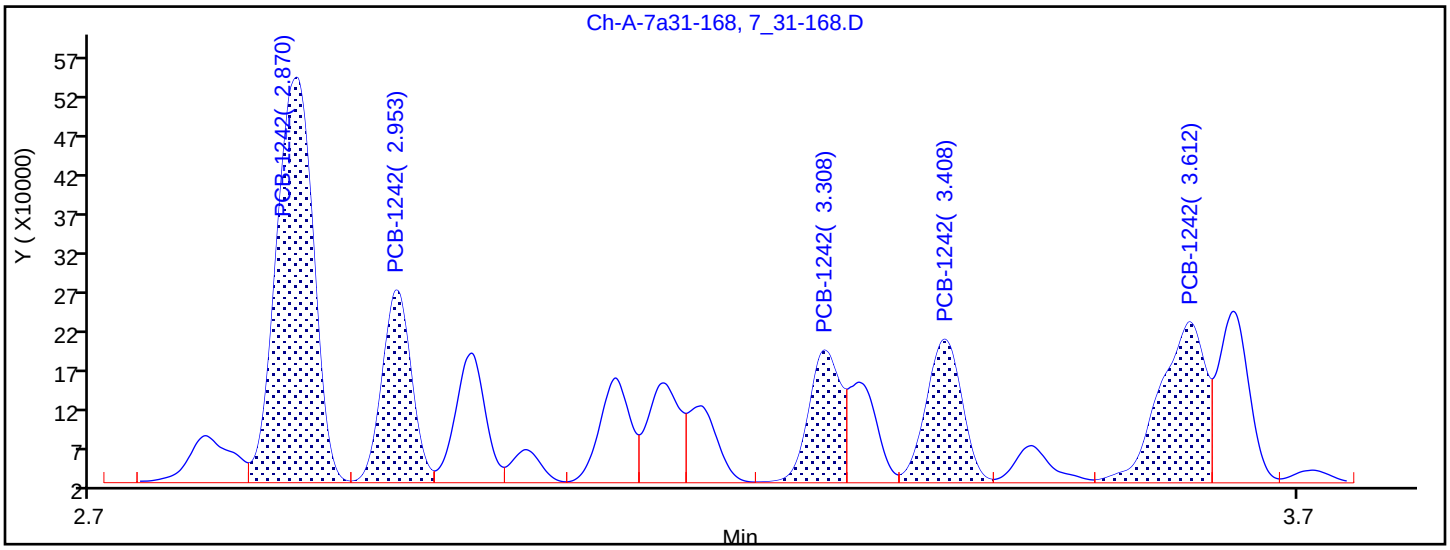
Column: Detector Ch-A-7A136

8 PCB-1242, CAS: 53469-21-9



Processing Integration Results

2.870	Response = 1093147
2.953	Response = 409090
3.308	Response = 306090
3.408	Response = 371137
3.612	Response = 529889



Manual Integration Results

2.870	Response = 1096011	M
2.953	Response = 411614	M
3.308	Response = 309782	M
3.408	Response = 375295	M
3.612	Response = 535666	M

Reviewer: thongjanw, 20-Nov-2018 08:57:16

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 20-Nov-2018 08:58:20 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-168.D

Injection Date: 19-Nov-2018 11:19:21 Instrument ID: HP6890-7

Lims ID: CCV

Client ID:

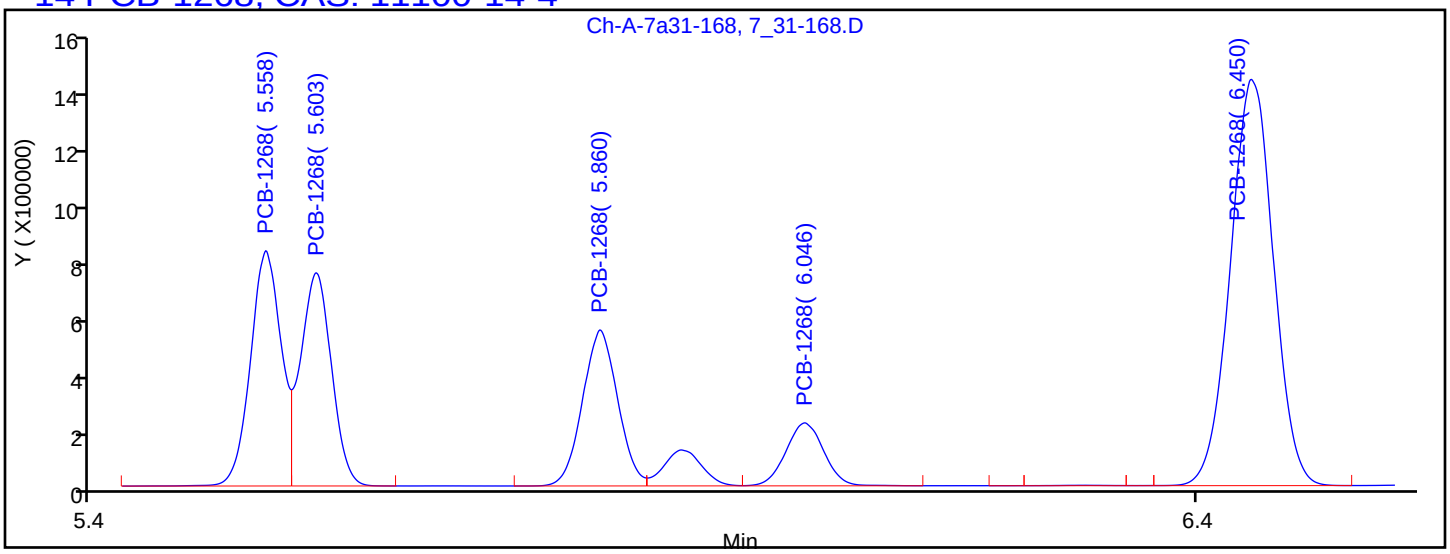
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 8

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

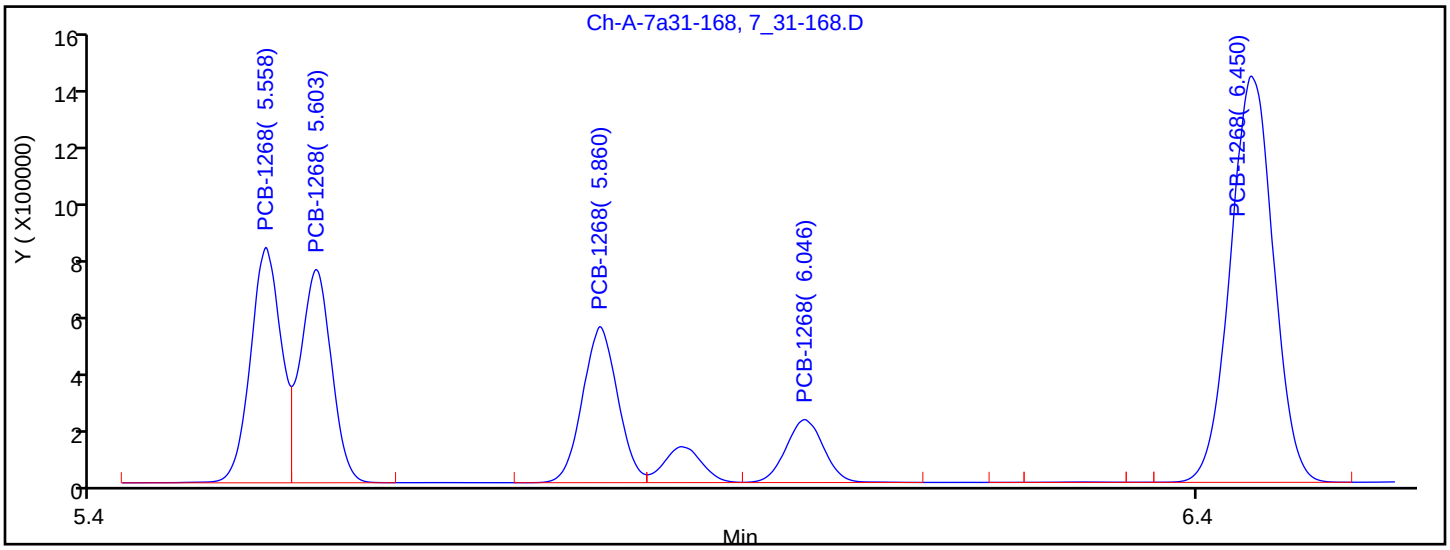
Column: Detector Ch-A-7A136

14 PCB-1268, CAS: 11100-14-4



Processing Integration Results

5.558	Response = 1505413
5.603	Response = 1369616
5.860	Response = 1142865
6.046	Response = 497280
6.450	Response = 3654509



Manual Integration Results

5.558	Response = 1508229	M
5.603	Response = 1371382	M
5.860	Response = 1143081	M
6.046	Response = 497280	
6.450	Response = 3654509	

Reviewer: thongjanw, 20-Nov-2018 08:57:23

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Lab Sample ID: CCV 480-446375/8 Calibration Date: 11/19/2018 11:19

Instrument ID: HP6890-7 Calib Start Date: 05/07/2018 19:45

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/07/2018 20:17

Lab File ID: 7_31-168.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		0.0318		0.474	0.500	-5.2	20.0
PCB-1242 Peak 2	Lin1		0.0649		0.551	0.500	10.2	20.0
PCB-1242 Peak 3	Ave	0.0310	0.0257		0.414	0.500	-17.2	20.0
PCB-1242 Peak 4	Lin1		0.0171		0.554	0.500	10.8	20.0
PCB-1242 Peak 5	Lin1		0.0313		0.479	0.500	-4.1	20.0
PCB-1268 Peak 1	Lin1		0.0894		0.451	0.500	-9.8	20.0
PCB-1268 Peak 2	Ave	0.1145	0.0919		0.401	0.500	-19.8	20.0
PCB-1268 Peak 3	Lin1		0.0184		0.367	0.500	-26.6*	20.0
PCB-1268 Peak 4	Lin1		0.0308		0.399	0.500	-20.1*	20.0
PCB-1268 Peak 5	Ave	0.2975	0.2332		0.392	0.500	-21.6*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Lab Sample ID: CCV 480-446375/8 Calibration Date: 11/19/2018 11:19

Instrument ID: HP6890-7 Calib Start Date: 05/07/2018 19:45

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/07/2018 20:17

Lab File ID: 7_31-168.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	2.07	2.04	2.10
PCB-1242 Peak 2	2.37	2.34	2.40
PCB-1242 Peak 3	2.47	2.44	2.50
PCB-1242 Peak 4	2.61	2.58	2.64
PCB-1242 Peak 5	2.83	2.80	2.86
PCB-1268 Peak 1	4.91	4.88	4.94
PCB-1268 Peak 2	4.95	4.92	4.98
PCB-1268 Peak 3	5.24	5.21	5.27
PCB-1268 Peak 4	5.34	5.31	5.37
PCB-1268 Peak 5	5.61	5.58	5.64

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-168.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 19-Nov-2018 11:19:21 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub9

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 20-Nov-2018 08:58:19 Calib Date: 17-Sep-2018 16:57:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-062.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: CTX0319

First Level Reviewer: thongjanw Date: 20-Nov-2018 08:58:19

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							s
1	1.073	1.073	0.000	14618487	0.5000	0.5000	
2	0.913	0.913	0.000	42276052	0.5000	0.5000	
						RPD = 0.00	
8 PCB-1242							M
1	2.870	2.870	0.000	1096011	0.5000	0.4228	M
1	2.953	2.953	0.000	411614	0.5000	0.4747	M
1	3.308	3.308	0.000	309782	0.5000	0.4060	M
1	3.408	3.408	0.000	375295	0.5000	0.4958	M
1	3.612	3.612	0.000	535666	0.5000	0.4337	M
		Average of Peak Amounts =				0.4466	
2	2.074	2.074	0.000	1345716	0.5000	0.4742	M
2	2.371	2.371	0.000	2744070	0.5000	0.5512	M
2	2.474	2.474	0.000	1084435	0.5000	0.4141	M
2	2.613	2.613	0.000	723152	0.5000	0.5538	M
2	2.828	2.828	0.000	1323134	0.5000	0.4793	M
		Average of Peak Amounts =				0.4945	
						RPD = 10.18	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
14 PCB-1268							M
1	5.558	5.558	0.000	1508229	0.5000	0.3658	M
1	5.603	5.603	0.000	1371382	0.5000	0.3226	M
1	5.860	5.860	0.000	1143081	0.5000	0.3394	M
1	6.046	6.046	0.000	497280	0.5000	0.3469	
1	6.450	6.450	0.000	3654509	0.5000	0.3128	
		Average of Peak Amounts =				0.3375	
2	4.908	4.908	0.000	3780852	0.5000	0.4512	M
2	4.946	4.946	0.000	3883805	0.5000	0.4011	M
2	5.243	5.243	0.000	779039	0.5000	0.3671	M
2	5.338	5.338	0.000	1302719	0.5000	0.3994	M
2	5.611	5.611	0.000	9858071	0.5000	0.3919	M
		Average of Peak Amounts =				0.4021	
						RPD = 17.48	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Review Flags

M - Manually Integrated

Reagents:

42-68w/IS@0.5_00035 Amount Added: 1.00 Units: mL

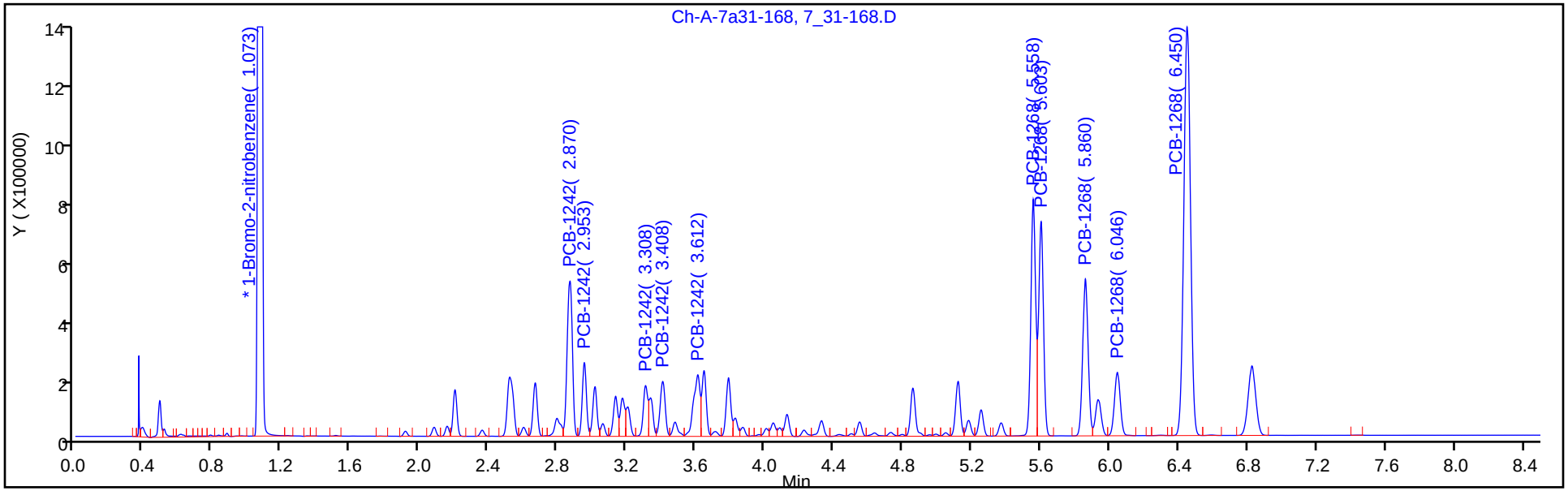
Report Date: 20-Nov-2018 08:58:20 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

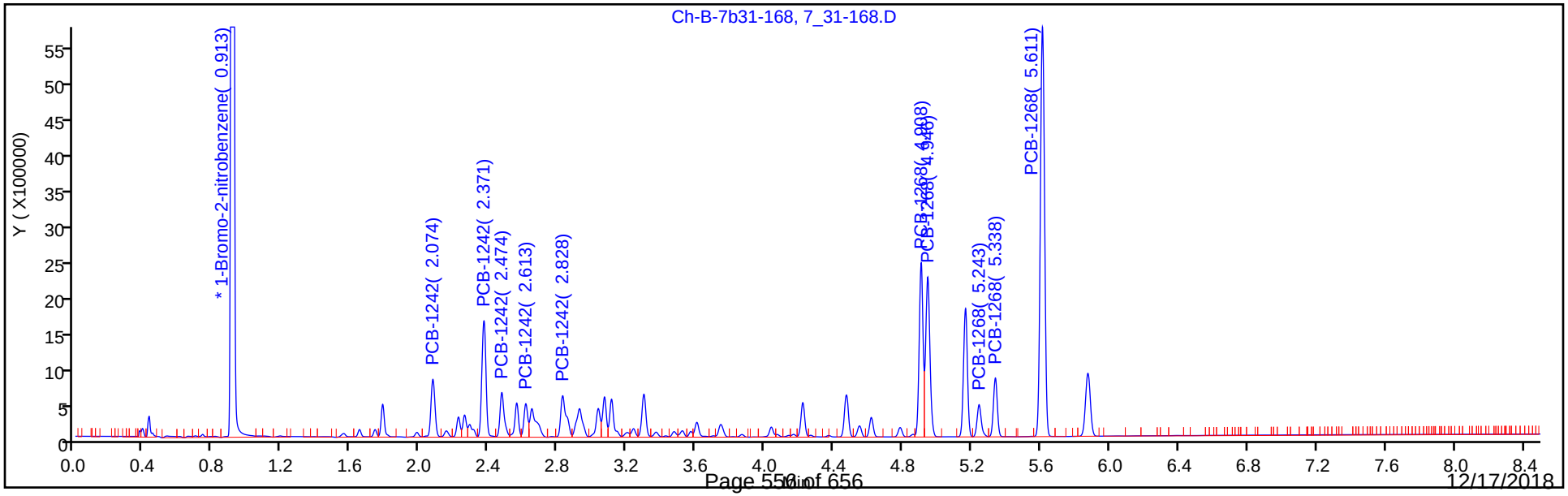
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-168.D

Injection Date:	19-Nov-2018 11:19:21	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 20-Nov-2018 08:58:20 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-168.D

Injection Date: 19-Nov-2018 11:19:21 Instrument ID: HP6890-7

Lims ID: CCV

Client ID:

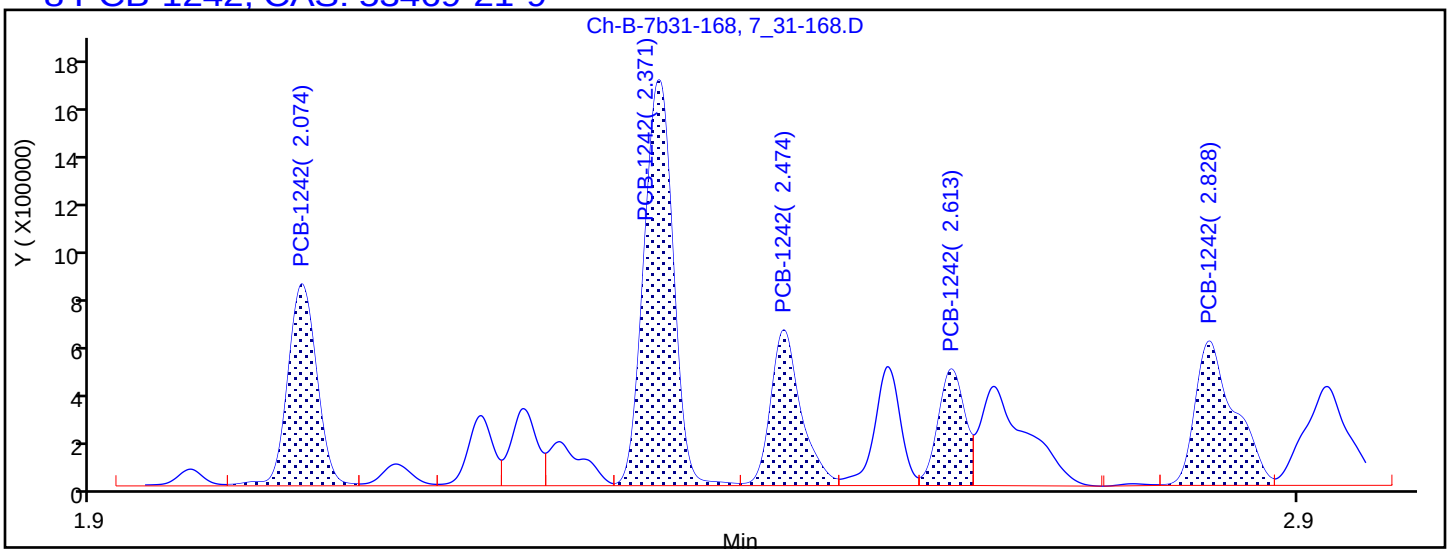
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 8

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

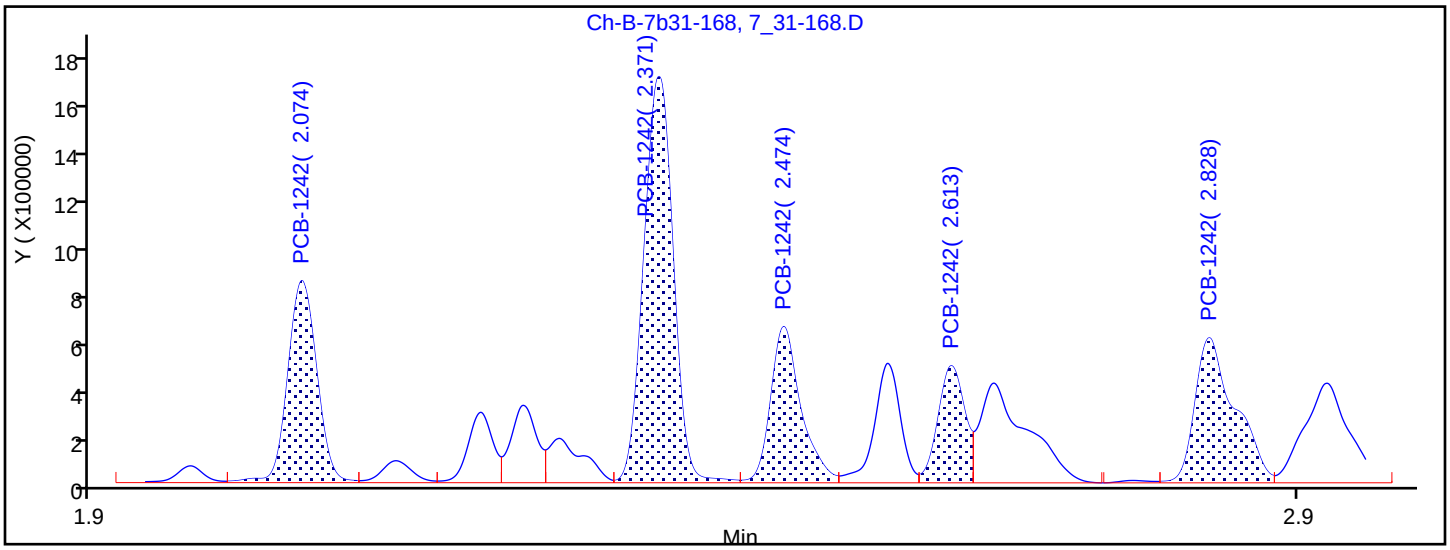
Column: Detector Ch-B-7b136

8 PCB-1242, CAS: 53469-21-9



Processing Integration Results

2.074	Response = 1342153
2.371	Response = 2733729
2.474	Response = 1074818
2.613	Response = 716646
2.828	Response = 1306465



Manual Integration Results

2.074	Response = 1345716	M
2.371	Response = 2744070	M
2.474	Response = 1084435	M
2.613	Response = 723152	M
2.828	Response = 1323134	M

Reviewer: thongjanw, 20-Nov-2018 08:57:45

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 20-Nov-2018 08:58:20 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-168.D

Injection Date: 19-Nov-2018 11:19:21 Instrument ID: HP6890-7

Lims ID: CCV

Client ID:

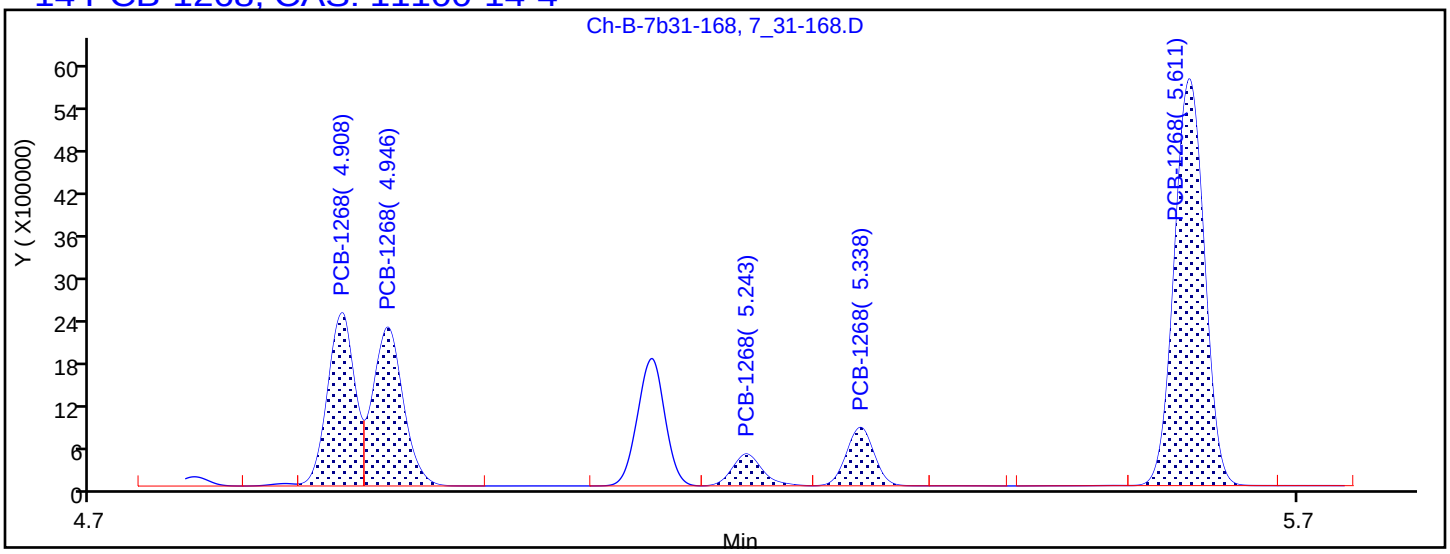
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 8

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

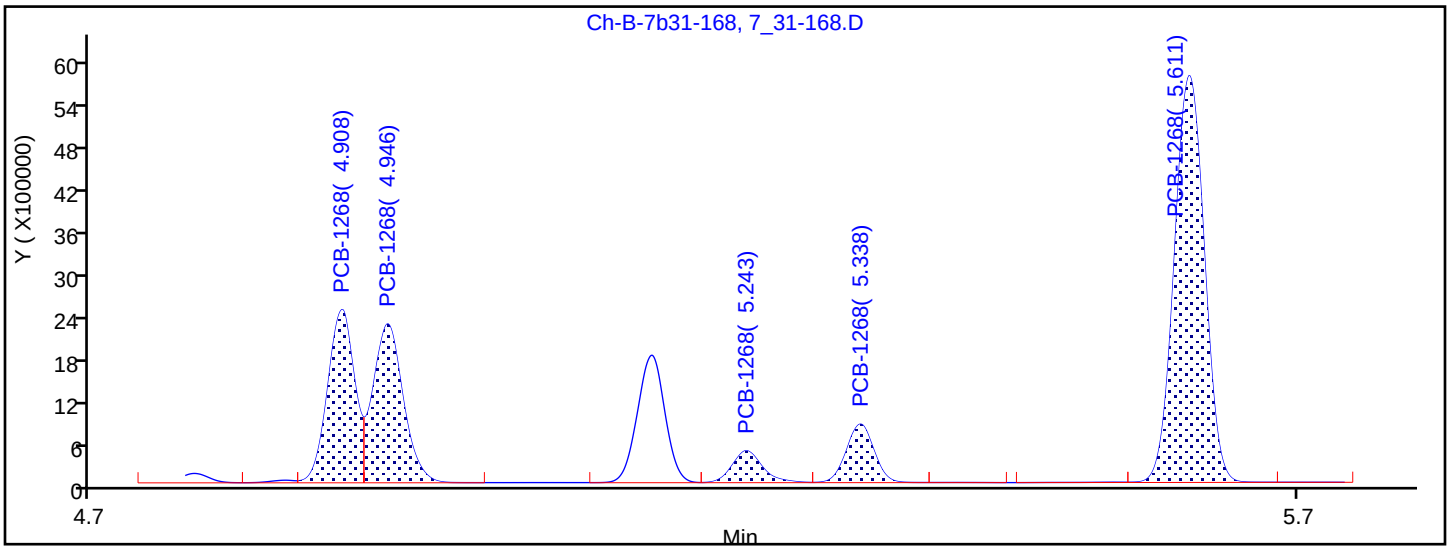
Column: Detector Ch-B-7b136

14 PCB-1268, CAS: 11100-14-4



Processing Integration Results

4.908	Response = 3773078
4.946	Response = 3871361
5.243	Response = 764784
5.338	Response = 1288938
5.611	Response = 9841550



Manual Integration Results

4.908	Response = 3780852	M
4.946	Response = 3883805	M
5.243	Response = 779039	M
5.338	Response = 1302719	M
5.611	Response = 9858071	M

Reviewer: thongjanw, 20-Nov-2018 08:57:48

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Lab Sample ID: CCV 480-446375/9 Calibration Date: 11/19/2018 11:35

Instrument ID: HP6890-7 Calib Start Date: 05/07/2018 20:48

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/07/2018 21:20

Lab File ID: 7_31-169.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		0.0473		0.464	0.500	-7.2	20.0
PCB-1248 Peak 2	Ave	0.0435	0.0374		0.429	0.500	-14.2	20.0
PCB-1248 Peak 3	Ave	0.0612	0.0594		0.486	0.500	-2.9	20.0
PCB-1248 Peak 4	Ave	0.0422	0.0452		0.534	0.500	6.9	20.0
PCB-1248 Peak 5	Ave	0.0453	0.0370		0.408	0.500	-18.4	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Lab Sample ID: CCV 480-446375/9 Calibration Date: 11/19/2018 11:35

Instrument ID: HP6890-7 Calib Start Date: 05/07/2018 20:48

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/07/2018 21:20

Lab File ID: 7_31-169.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	3.31	3.28	3.34
PCB-1248 Peak 2	3.41	3.38	3.44
PCB-1248 Peak 3	3.61	3.58	3.64
PCB-1248 Peak 4	3.65	3.62	3.68
PCB-1248 Peak 5	3.79	3.76	3.82

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-169.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 19-Nov-2018 11:35:27 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub10

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 20-Nov-2018 09:01:11 Calib Date: 17-Sep-2018 16:57:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-062.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: CTX0319

First Level Reviewer: thongjanw Date: 20-Nov-2018 09:01:11

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							s
1	1.073	1.073	0.000	14616901	0.5000	0.5000	
2	0.913	0.913	0.000	42287823	0.5000	0.5000	
						RPD = 0.00	
10 PCB-1248							M
1	3.308	3.308	0.000	691655	0.5000	0.4641	M
1	3.409	3.409	0.000	546242	0.5000	0.4291	M
1	3.614	3.614	0.000	868583	0.5000	0.4857	M
1	3.649	3.649	0.000	659984	0.5000	0.5345	M
1	3.790	3.790	0.000	540291	0.5000	0.4078	M
		Average of Peak Amounts =				0.4642	
2	2.073	2.073	0.000	702565	0.5000	0.4647	
2	2.369	2.369	0.000	1775516	0.5000	0.5308	
2	2.924	2.924	0.000	1447142	0.5000	0.4199	
2	3.070	3.070	0.000	1485802	0.5000	0.5016	
2	3.299	3.299	0.000	1575963	0.5000	0.4127	
		Average of Peak Amounts =				0.4659	
						RPD = 0.37	

QC Flag Legend

Processing Flags
s - Failed ISTD Recovery Test
Review Flags
M - Manually Integrated

Reagents:

1248w/IS@ 0.5_00032 Amount Added: 1.00 Units: mL

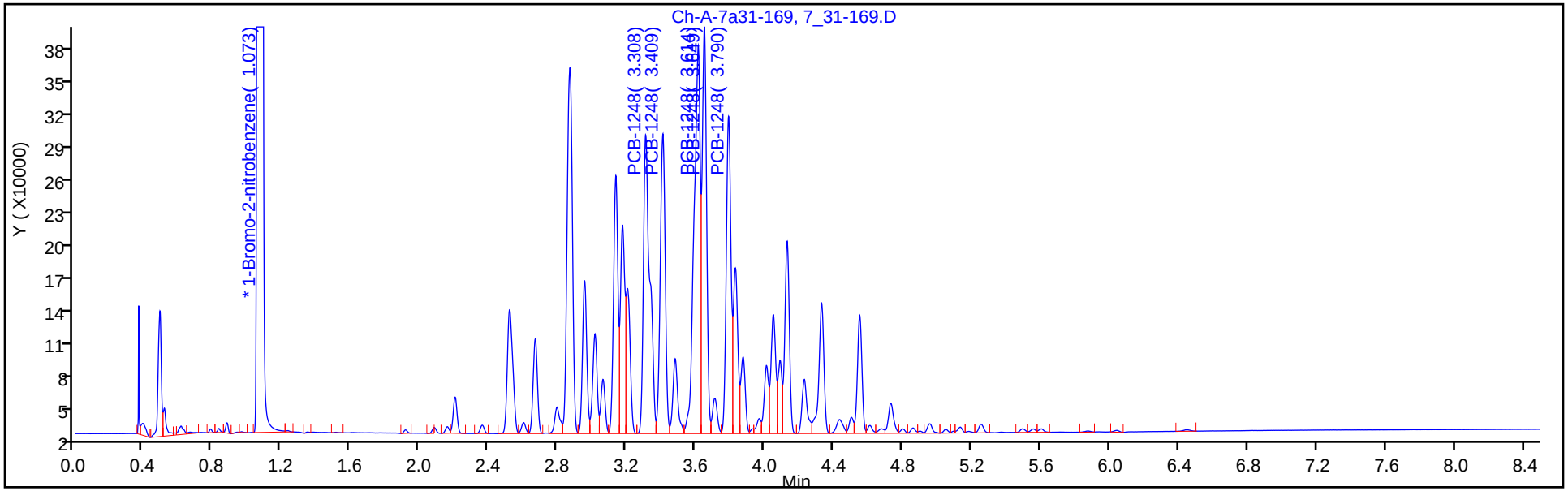
Report Date: 20-Nov-2018 09:01:12 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

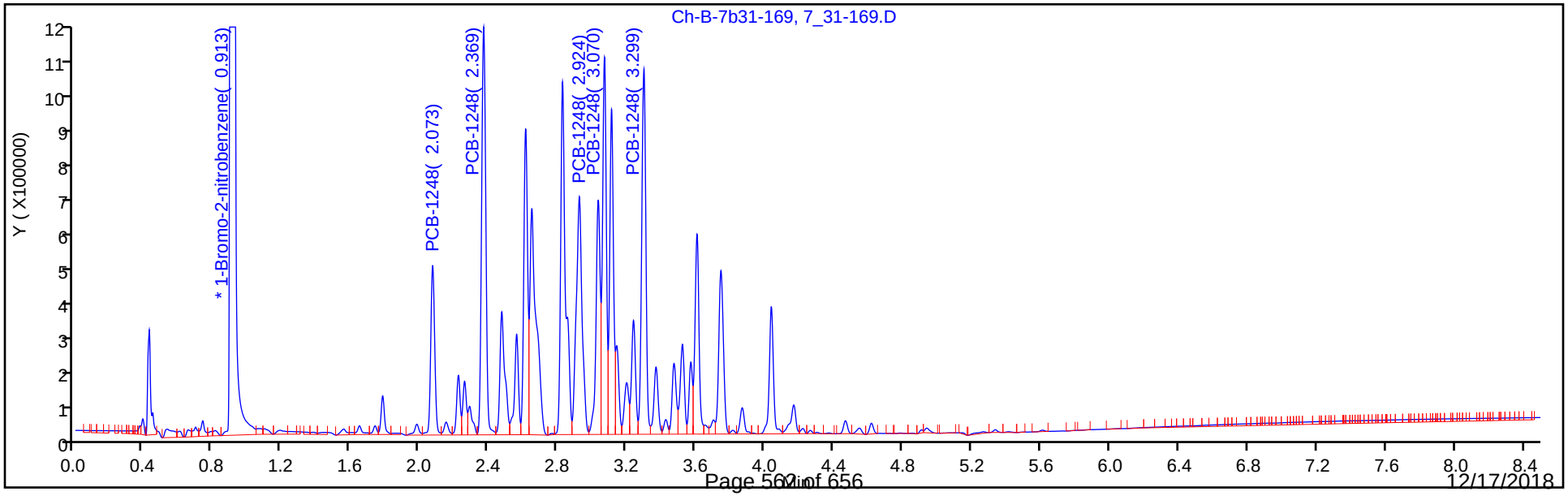
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-169.D

Injection Date:	19-Nov-2018 11:35:27	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 20-Nov-2018 09:01:12 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-169.D

Injection Date: 19-Nov-2018 11:35:27 Instrument ID: HP6890-7

Lims ID: CCV

Client ID:

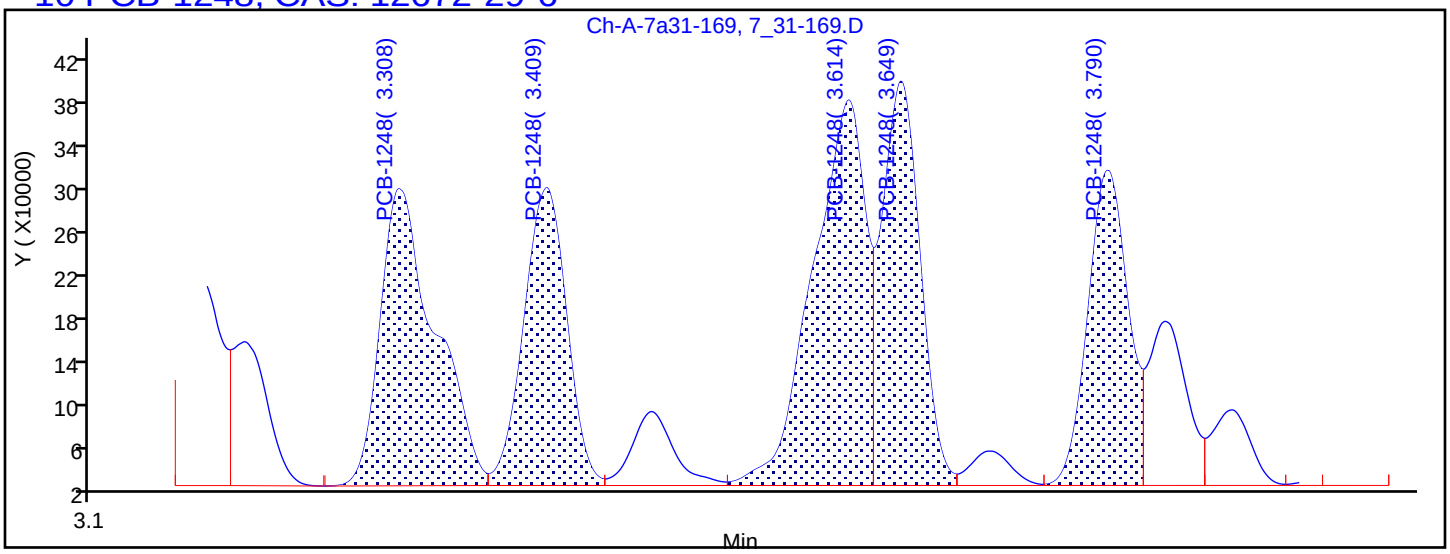
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 9

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

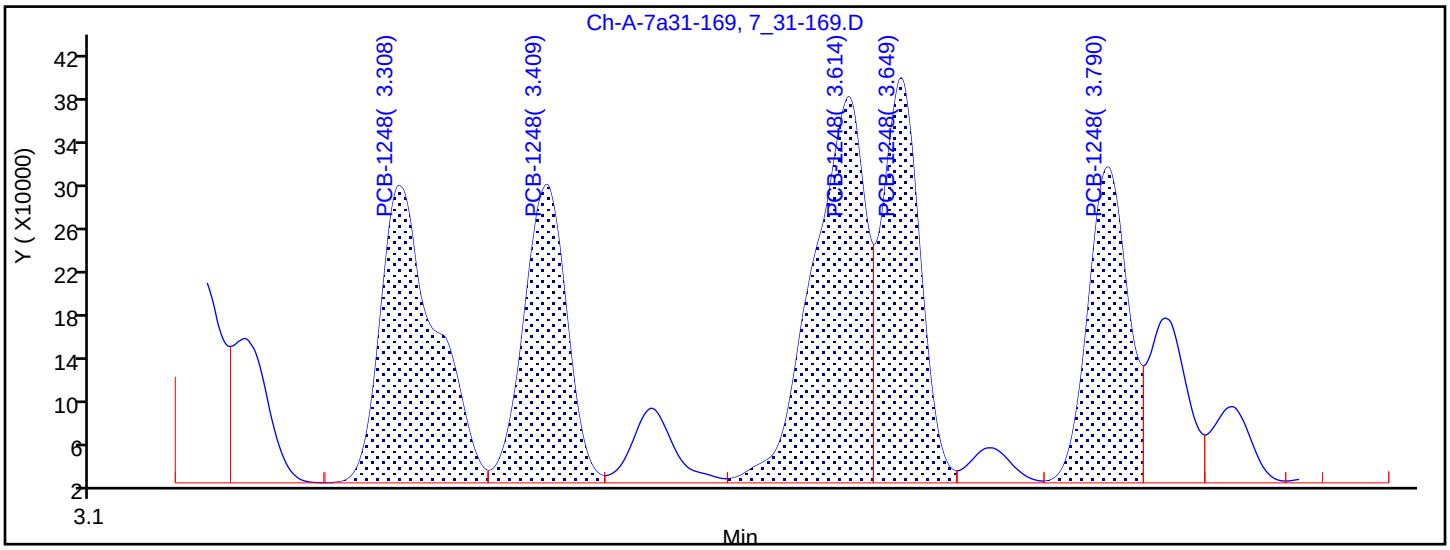
Column: Detector Ch-A-7A136

10 PCB-1248, CAS: 12672-29-6



Processing Integration Results

3.308	Response = 689454
3.409	Response = 543561
3.614	Response = 865082
3.649	Response = 657945
3.790	Response = 537794



Manual Integration Results

3.308	Response = 691655	M
3.409	Response = 546242	M
3.614	Response = 868583	M
3.649	Response = 659984	M
3.790	Response = 540291	M

Reviewer: thongjanw, 20-Nov-2018 09:00:42

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Lab Sample ID: CCV 480-446375/9 Calibration Date: 11/19/2018 11:35

Instrument ID: HP6890-7 Calib Start Date: 05/07/2018 20:48

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/07/2018 21:20

Lab File ID: 7_31-169.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		0.0166		0.465	0.500	-7.1	20.0
PCB-1248 Peak 2	Lin1		0.0420		0.531	0.500	6.2	20.0
PCB-1248 Peak 3	Ave	0.0407	0.0342		0.420	0.500	-16.0	20.0
PCB-1248 Peak 4	Lin1		0.0351		0.502	0.500	0.3	20.0
PCB-1248 Peak 5	Ave	0.0451	0.0373		0.413	0.500	-17.5	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Lab Sample ID: CCV 480-446375/9 Calibration Date: 11/19/2018 11:35

Instrument ID: HP6890-7 Calib Start Date: 05/07/2018 20:48

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/07/2018 21:20

Lab File ID: 7_31-169.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	2.07	2.04	2.10
PCB-1248 Peak 2	2.37	2.34	2.40
PCB-1248 Peak 3	2.92	2.89	2.95
PCB-1248 Peak 4	3.07	3.04	3.10
PCB-1248 Peak 5	3.30	3.27	3.33

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-169.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 19-Nov-2018 11:35:27 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub10

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 20-Nov-2018 09:01:11 Calib Date: 17-Sep-2018 16:57:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-062.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: CTX0319

First Level Reviewer: thongjanw Date: 20-Nov-2018 09:01:11

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							s
1	1.073	1.073	0.000	14616901	0.5000	0.5000	
2	0.913	0.913	0.000	42287823	0.5000	0.5000	
						RPD = 0.00	
10 PCB-1248							M
1	3.308	3.308	0.000	691655	0.5000	0.4641	M
1	3.409	3.409	0.000	546242	0.5000	0.4291	M
1	3.614	3.614	0.000	868583	0.5000	0.4857	M
1	3.649	3.649	0.000	659984	0.5000	0.5345	M
1	3.790	3.790	0.000	540291	0.5000	0.4078	M
		Average of Peak Amounts =				0.4642	
2	2.073	2.073	0.000	702565	0.5000	0.4647	
2	2.369	2.369	0.000	1775516	0.5000	0.5308	
2	2.924	2.924	0.000	1447142	0.5000	0.4199	
2	3.070	3.070	0.000	1485802	0.5000	0.5016	
2	3.299	3.299	0.000	1575963	0.5000	0.4127	
		Average of Peak Amounts =				0.4659	
						RPD = 0.37	

QC Flag Legend

Processing Flags
s - Failed ISTD Recovery Test
Review Flags
M - Manually Integrated

Reagents:

1248w/IS@ 0.5_00032 Amount Added: 1.00 Units: mL

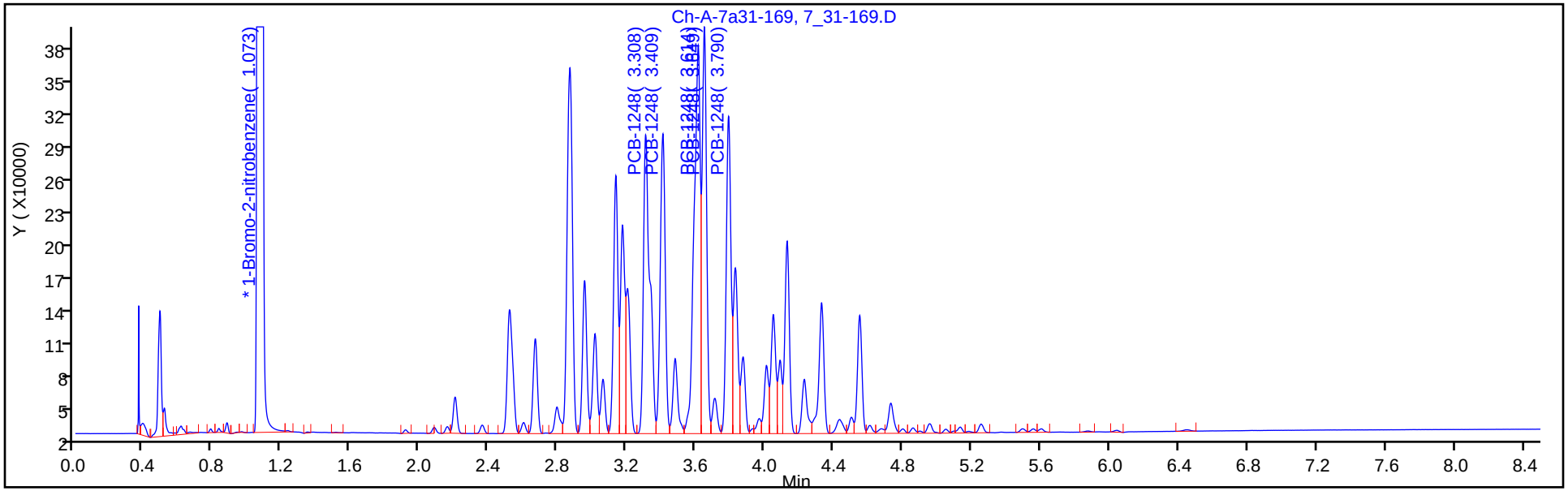
Report Date: 20-Nov-2018 09:01:13 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

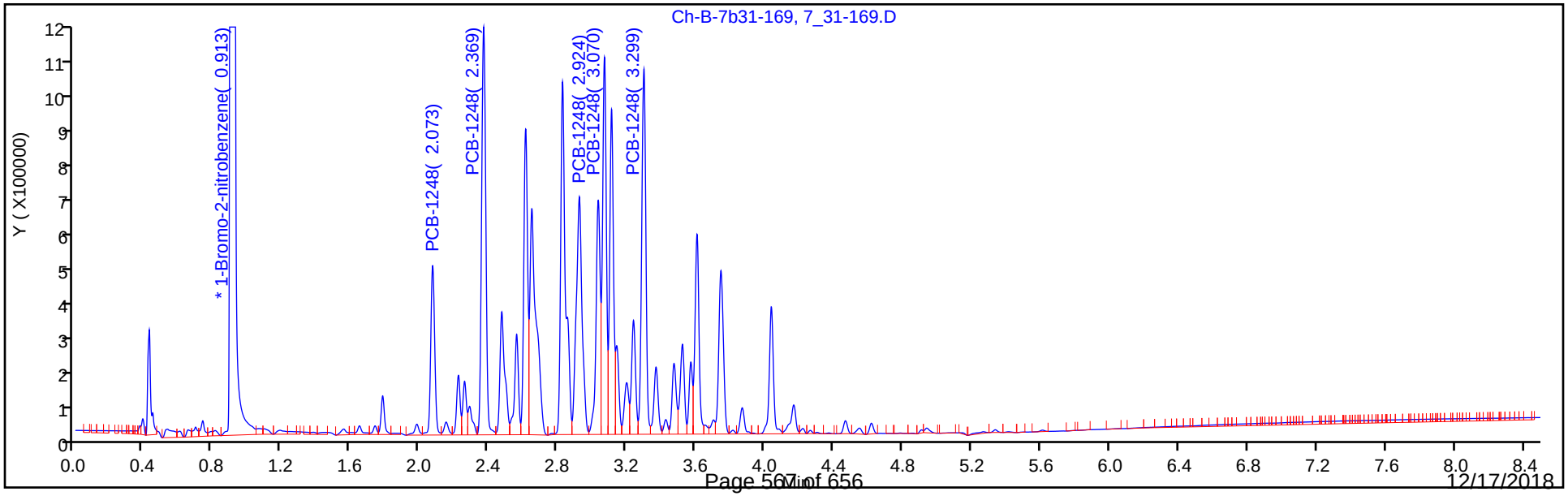
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-169.D

Injection Date:	19-Nov-2018 11:35:27	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Lab Sample ID: CCVIS 480-446375/11 Calibration Date: 11/19/2018 12:07

Instrument ID: HP6890-7 Calib Start Date: 05/07/2018 14:26

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/07/2018 16:02

Lab File ID: 7_31-171.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	0.1064	0.0908		0.427	0.500	-14.7	20.0
PCB-1016 Peak 2	Lin1		0.0342		0.465	0.500	-7.1	20.0
PCB-1016 Peak 3	Ave	0.0282	0.0235		0.418	0.500	-16.5	20.0
PCB-1016 Peak 4	Lin1		0.0178		0.440	0.500	-12.1	20.0
PCB-1016 Peak 5	Ave	0.0363	0.0303		0.418	0.500	-16.4	20.0
PCB-1260 Peak 1	Ave	0.0646	0.0488		0.378	0.500	-24.5*	20.0
PCB-1260 Peak 2	Ave	0.0724	0.0555		0.383	0.500	-23.3*	20.0
PCB-1260 Peak 3	Lin1		0.0649		0.387	0.500	-22.6*	20.0
PCB-1260 Peak 4	Lin1		0.0350		0.476	0.500	-4.8	20.0
PCB-1260 Peak 5	Lin1		0.0826		0.475	0.500	-5.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Lab Sample ID: CCVIS 480-446375/11 Calibration Date: 11/19/2018 12:07

Instrument ID: HP6890-7 Calib Start Date: 05/07/2018 14:26

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/07/2018 16:02

Lab File ID: 7_31-171.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.87	2.84	2.90
PCB-1016 Peak 2	2.95	2.92	2.98
PCB-1016 Peak 3	3.01	2.98	3.04
PCB-1016 Peak 4	3.13	3.10	3.16
PCB-1016 Peak 5	3.41	3.38	3.44
PCB-1260 Peak 1	4.32	4.29	4.35
PCB-1260 Peak 2	4.50	4.47	4.53
PCB-1260 Peak 3	4.73	4.70	4.76
PCB-1260 Peak 4	5.05	5.02	5.08
PCB-1260 Peak 5	5.26	5.23	5.29

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-171.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 19-Nov-2018 12:07:11 ALS Bottle#: 0 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 20-Nov-2018 09:03:22 Calib Date: 17-Sep-2018 16:57:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-062.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: CTX0319

First Level Reviewer: thongjanw Date: 20-Nov-2018 09:03:22

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							sM
1	1.072	1.072	0.000	14955402	0.5000	0.5000	
2	0.914	0.914	0.000	43827726	0.5000	0.5000	M
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.948	1.948	0.000	491146	0.0125	0.0134	
2	1.436	1.436	0.000	1249375	0.0125	0.0117	M
						RPD = 13.29	
9 PCB-1016							M
1	2.868	2.868	0.000	1357491	0.5000	0.4266	M
1	2.952	2.952	0.000	511414	0.5000	0.4646	M
1	3.014	3.014	0.000	351987	0.5000	0.4177	M
1	3.134	3.134	0.000	265386	0.5000	0.4395	M
1	3.408	3.408	0.000	453302	0.5000	0.4180	M
		Average of Peak Amounts =				0.4333	
2	2.372	2.372	0.000	3172472	0.5000	0.4151	M
2	2.475	2.475	0.000	1359072	0.5000	0.3882	M
2	2.562	2.562	0.000	903055	0.5000	0.4870	M
2	2.828	2.828	0.000	1616367	0.5000	0.3984	M
2	2.925	2.925	0.000	1238030	0.5000	0.4696	M
		Average of Peak Amounts =				0.4317	
						RPD = 0.38	
2 1260 Res 1							M
1	4.123	4.123	0.000	256544	NC	NC	M
2	4.168	4.168	0.000	1864863	NC	NC	M
4 1260 Res 2							M
1	4.224	4.224	0.000	300821	NC	NC	M
2	4.221	4.221	0.000	1301717	NC	NC	M

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.318	4.318	0.000	730088	0.5000	0.3777	M
1	4.502	4.502	0.000	830427	0.5000	0.3834	M
1	4.728	4.728	0.000	970001	0.5000	0.3868	M
1	5.049	5.049	0.000	523662	0.5000	0.4759	M
1	5.256	5.256	0.000	1234970	0.5000	0.4748	M
		Average of Peak Amounts =				0.4197	
2	3.753	3.753	0.000	1938700	0.5000	0.4104	M
2	4.168	4.168	0.000	1864863	0.5000	0.3702	M
2	4.471	4.471	0.000	1680815	0.5000	0.4719	M
2	4.619	4.619	0.000	3209253	0.5000	0.4539	M
2	4.939	4.939	0.000	2164112	0.5000	0.4498	M
		Average of Peak Amounts =				0.4312	
						RPD = 2.71	
3 1260 Res 3							M
1	4.453	4.453	0.000	110150	NC	NC	M
2	4.471	4.471	0.000	1680815	NC	NC	M
$ 15 DCB Decachlorobiphenyl							
1	6.826	6.826	0.000	265243	0.0125	0.0115	
2	5.875	5.875	0.000	616293	0.0125	0.0143	
						RPD = 21.58	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- s - Failed ISTD Recovery Test

Review Flags
- M - Manually Integrated

Reagents:

1660sur/is0.5_00044 Amount Added: 1.00 Units: mL

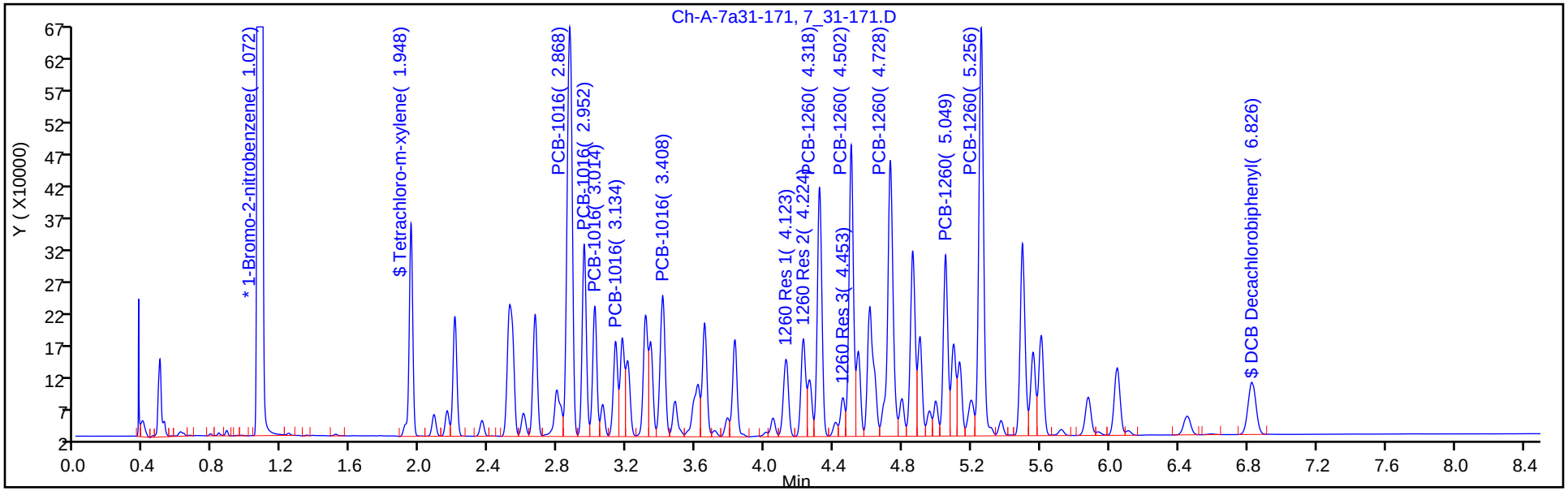
Report Date: 20-Nov-2018 09:03:23 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

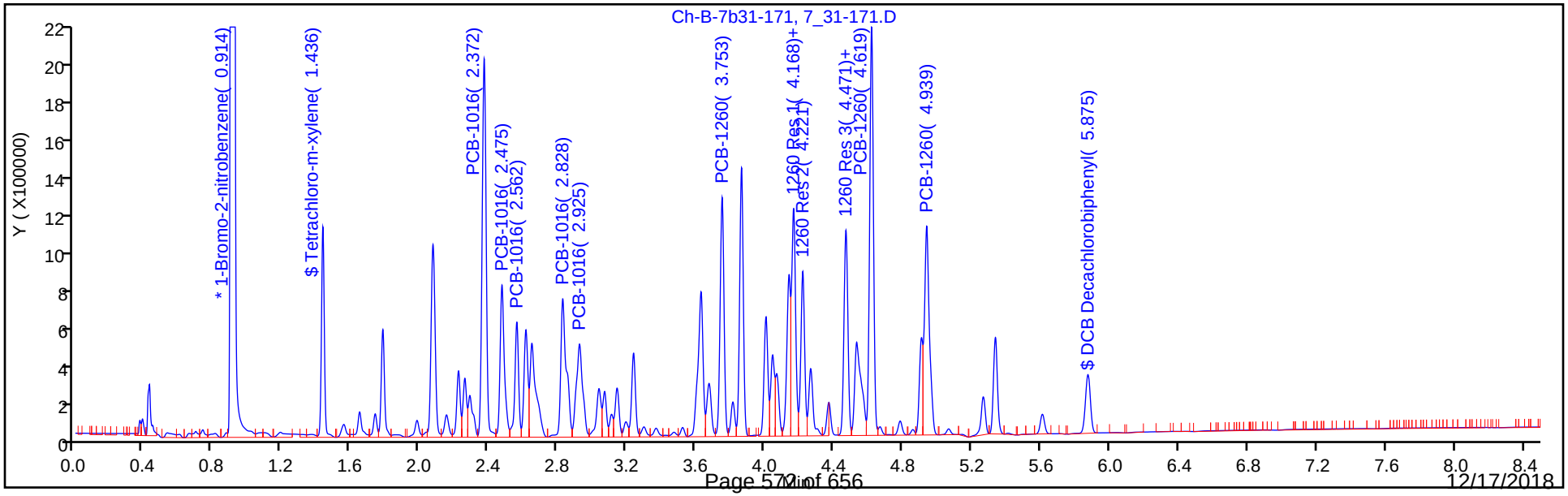
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-171.D

Injection Date:	19-Nov-2018 12:07:11	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	CCVIS			Worklist Smp#:	11
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 20-Nov-2018 09:03:23 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-171.D

Injection Date: 19-Nov-2018 12:07:11 Instrument ID: HP6890-7

Lims ID: CCVIS

Client ID:

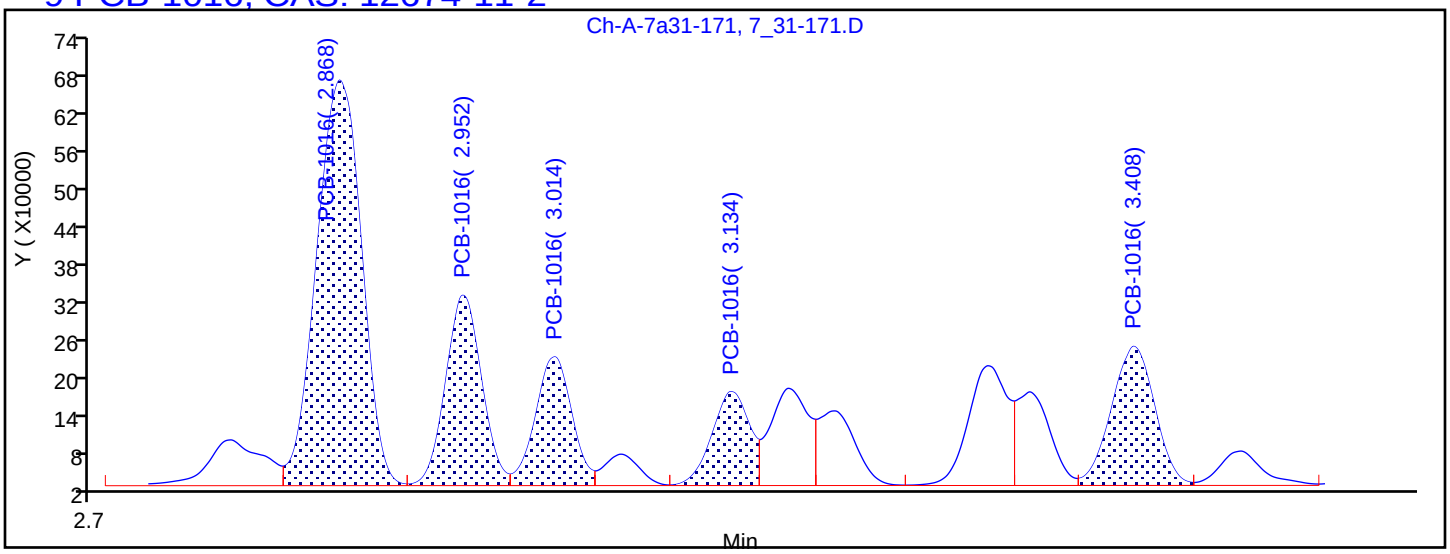
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 11

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

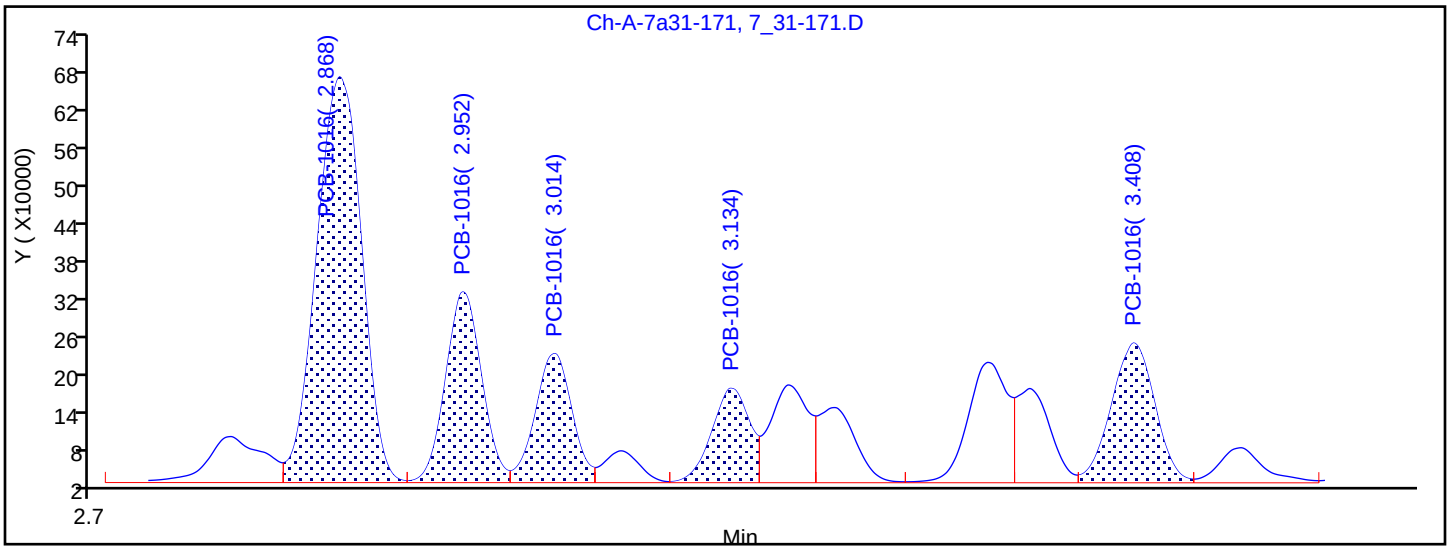
Column: Detector Ch-A-7A136

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.868	Response = 1355077
2.952	Response = 509045
3.014	Response = 349795
3.134	Response = 262614
3.408	Response = 448221



Manual Integration Results

2.868	Response = 1357491	M
2.952	Response = 511414	M
3.014	Response = 351987	M
3.134	Response = 265386	M
3.408	Response = 453302	M

Reviewer: thongjanw, 20-Nov-2018 09:02:18

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 20-Nov-2018 09:03:24 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-171.D

Injection Date: 19-Nov-2018 12:07:11 Instrument ID: HP6890-7

Lims ID: CCVIS

Client ID:

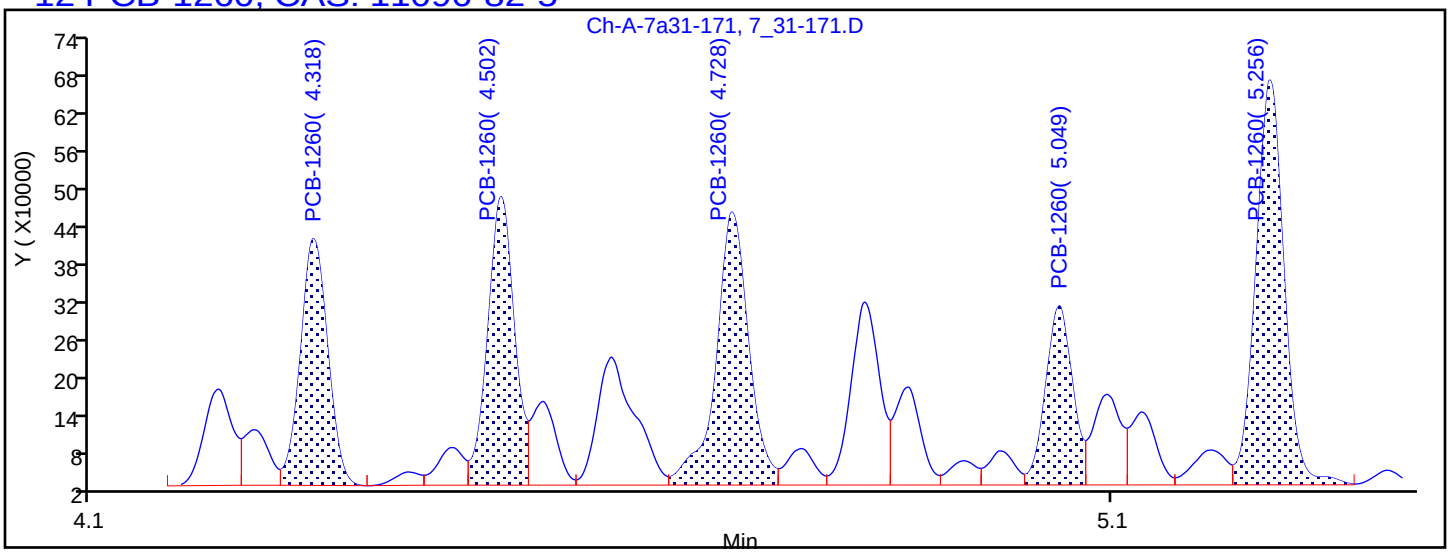
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 11

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

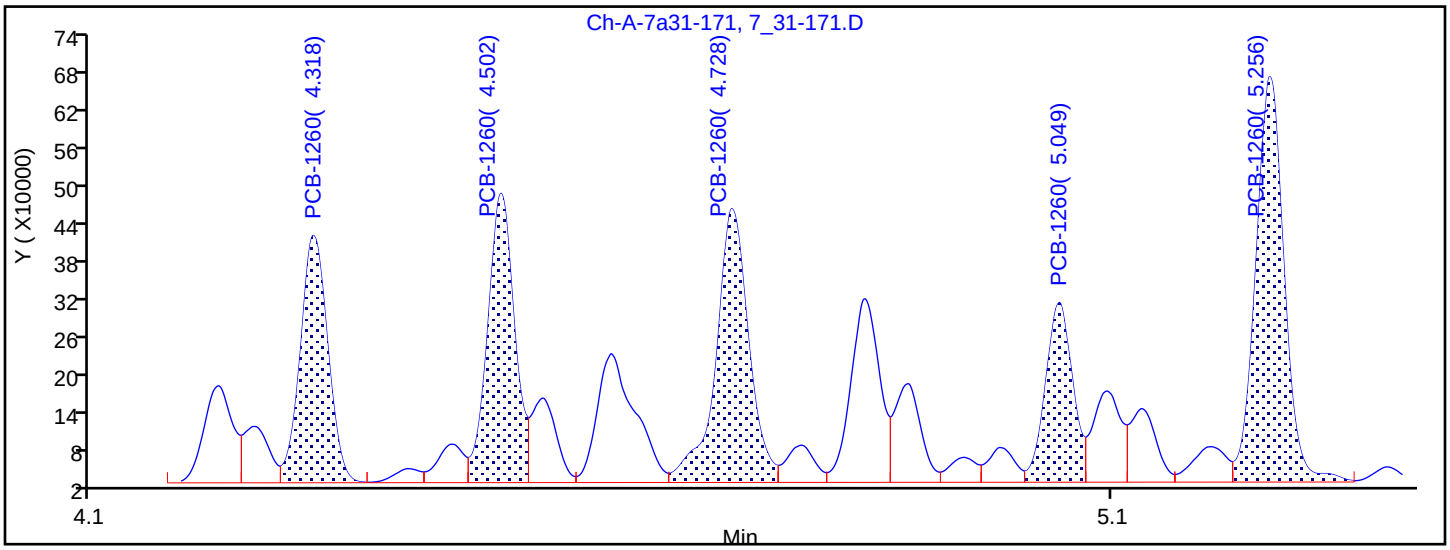
Column: Detector Ch-A-7A136

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

4.318	Response = 724746
4.502	Response = 825733
4.728	Response = 962273
5.049	Response = 520006
5.256	Response = 1228650



Manual Integration Results

4.318	Response = 730088	M
4.502	Response = 830427	M
4.728	Response = 970001	M
5.049	Response = 523662	M
5.256	Response = 1234970	M

Reviewer: thongjanw, 20-Nov-2018 09:02:21

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Lab Sample ID: CCVIS 480-446375/11 Calibration Date: 11/19/2018 12:07

Instrument ID: HP6890-7 Calib Start Date: 09/17/2018 15:22

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 09/17/2018 16:42

Lab File ID: 7_31-171.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrachloro-m-xylene	Lin1		1.314		0.0134	0.0125	7.1	20.0
DCB Decachlorobiphenyl	Lin1		0.7094		0.0115	0.0125	-7.7	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Lab Sample ID: CCVIS 480-446375/11 Calibration Date: 11/19/2018 12:07

Instrument ID: HP6890-7 Calib Start Date: 09/17/2018 15:22

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 09/17/2018 16:42

Lab File ID: 7_31-171.D

Analyte	RT	RT WINDOW	
		FROM	TO
Tetrachloro-m-xylene	1.95	1.92	1.98
DCB Decachlorobiphenyl	6.83	6.80	6.86

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-171.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 19-Nov-2018 12:07:11 ALS Bottle#: 0 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 20-Nov-2018 09:03:22 Calib Date: 17-Sep-2018 16:57:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-062.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: CTX0319

First Level Reviewer: thongjanw Date: 20-Nov-2018 09:03:22

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							sM
1	1.072	1.072	0.000	14955402	0.5000	0.5000	
2	0.914	0.914	0.000	43827726	0.5000	0.5000	M
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.948	1.948	0.000	491146	0.0125	0.0134	
2	1.436	1.436	0.000	1249375	0.0125	0.0117	M
						RPD = 13.29	
9 PCB-1016							M
1	2.868	2.868	0.000	1357491	0.5000	0.4266	M
1	2.952	2.952	0.000	511414	0.5000	0.4646	M
1	3.014	3.014	0.000	351987	0.5000	0.4177	M
1	3.134	3.134	0.000	265386	0.5000	0.4395	M
1	3.408	3.408	0.000	453302	0.5000	0.4180	M
		Average of Peak Amounts =				0.4333	
2	2.372	2.372	0.000	3172472	0.5000	0.4151	M
2	2.475	2.475	0.000	1359072	0.5000	0.3882	M
2	2.562	2.562	0.000	903055	0.5000	0.4870	M
2	2.828	2.828	0.000	1616367	0.5000	0.3984	M
2	2.925	2.925	0.000	1238030	0.5000	0.4696	M
		Average of Peak Amounts =				0.4317	
						RPD = 0.38	
2 1260 Res 1							M
1	4.123	4.123	0.000	256544	NC	NC	M
2	4.168	4.168	0.000	1864863	NC	NC	M
4 1260 Res 2							M
1	4.224	4.224	0.000	300821	NC	NC	M
2	4.221	4.221	0.000	1301717	NC	NC	M

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.318	4.318	0.000	730088	0.5000	0.3777	M
1	4.502	4.502	0.000	830427	0.5000	0.3834	M
1	4.728	4.728	0.000	970001	0.5000	0.3868	M
1	5.049	5.049	0.000	523662	0.5000	0.4759	M
1	5.256	5.256	0.000	1234970	0.5000	0.4748	M
		Average of Peak Amounts =				0.4197	
2	3.753	3.753	0.000	1938700	0.5000	0.4104	M
2	4.168	4.168	0.000	1864863	0.5000	0.3702	M
2	4.471	4.471	0.000	1680815	0.5000	0.4719	M
2	4.619	4.619	0.000	3209253	0.5000	0.4539	M
2	4.939	4.939	0.000	2164112	0.5000	0.4498	M
		Average of Peak Amounts =				0.4312	
						RPD = 2.71	
3 1260 Res 3							M
1	4.453	4.453	0.000	110150	NC	NC	M
2	4.471	4.471	0.000	1680815	NC	NC	M
$ 15 DCB Decachlorobiphenyl							
1	6.826	6.826	0.000	265243	0.0125	0.0115	
2	5.875	5.875	0.000	616293	0.0125	0.0143	
						RPD = 21.58	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- s - Failed ISTD Recovery Test

Review Flags
- M - Manually Integrated

Reagents:

1660sur/is0.5_00044 Amount Added: 1.00 Units: mL

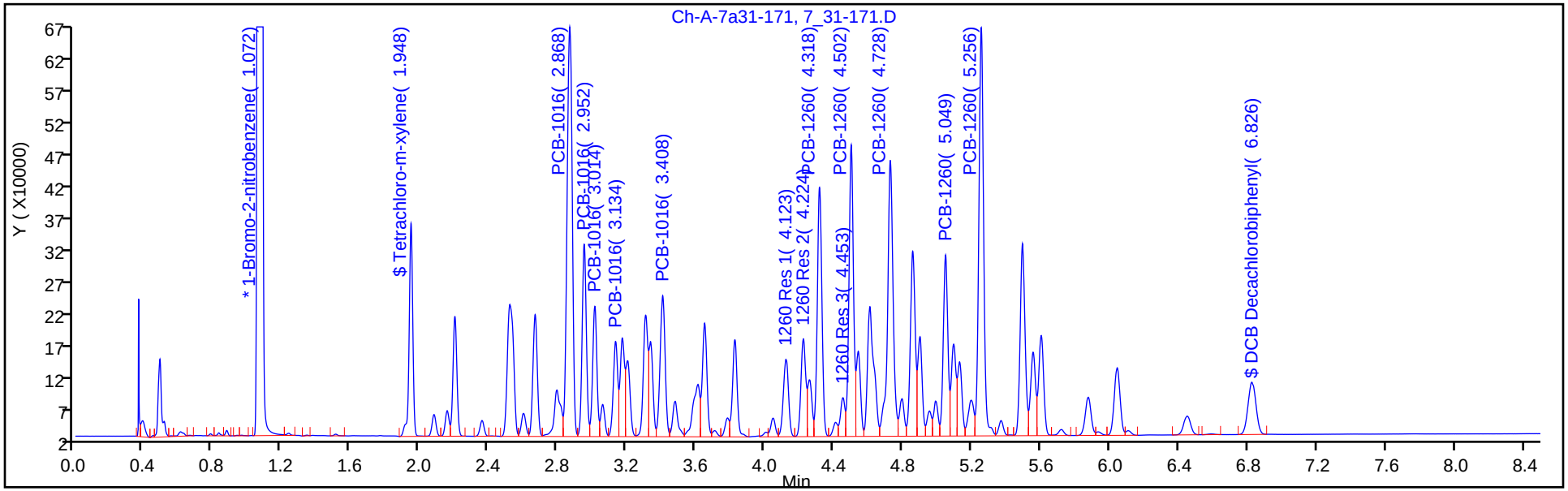
Report Date: 20-Nov-2018 09:03:23 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

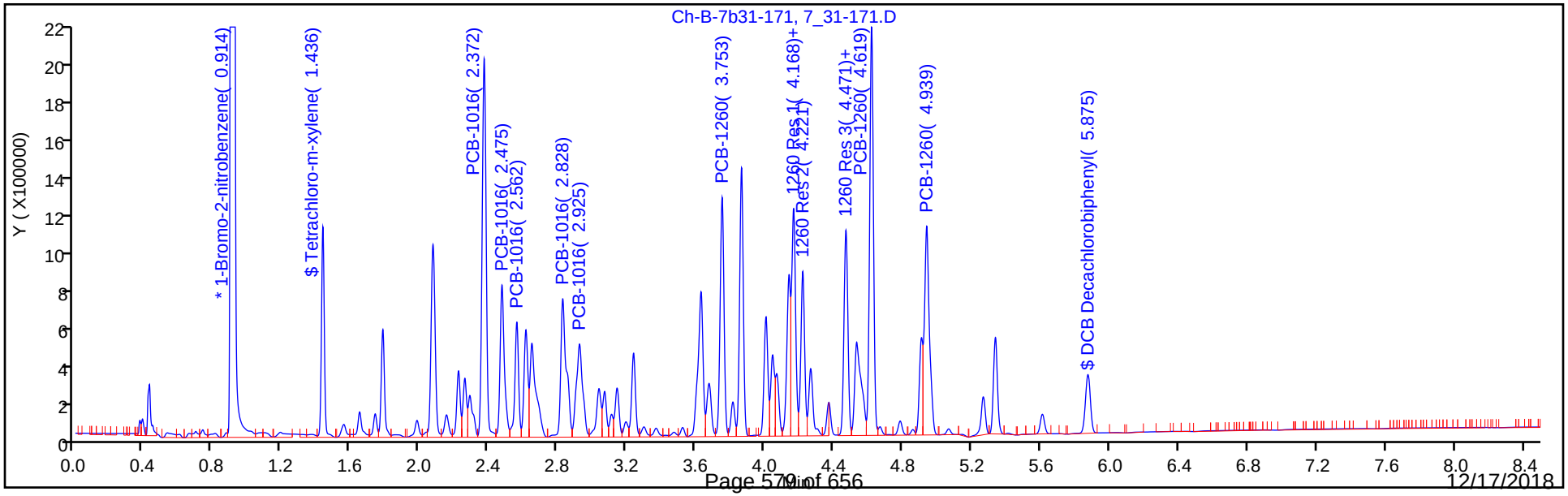
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-171.D

Injection Date:	19-Nov-2018 12:07:11	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	CCVIS			Worklist Smp#:	11
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Lab Sample ID: CCVIS 480-446375/11 Calibration Date: 11/19/2018 12:07

Instrument ID: HP6890-7 Calib Start Date: 05/07/2018 14:26

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/07/2018 16:02

Lab File ID: 7_31-171.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	0.0872	0.0724		0.415	0.500	-17.0	20.0
PCB-1016 Peak 2	Ave	0.0399	0.0310		0.388	0.500	-22.4*	20.0
PCB-1016 Peak 3	Lin1		0.0206		0.487	0.500	-2.6	20.0
PCB-1016 Peak 4	Ave	0.0463	0.0369		0.398	0.500	-20.3*	20.0
PCB-1016 Peak 5	Lin1		0.0283		0.470	0.500	-6.1	20.0
PCB-1260 Peak 1	Ave	0.0539	0.0442		0.410	0.500	-17.9	20.0
PCB-1260 Peak 2	Ave	0.0575	0.0426		0.370	0.500	-26.0*	20.0
PCB-1260 Peak 3	Ave	0.0406	0.0384		0.472	0.500	-5.6	20.0
PCB-1260 Peak 4	Ave	0.0807	0.0732		0.454	0.500	-9.2	20.0
PCB-1260 Peak 5	Ave	0.0549	0.0494		0.450	0.500	-10.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Lab Sample ID: CCVIS 480-446375/11 Calibration Date: 11/19/2018 12:07

Instrument ID: HP6890-7 Calib Start Date: 05/07/2018 14:26

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/07/2018 16:02

Lab File ID: 7_31-171.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.37	2.34	2.40
PCB-1016 Peak 2	2.48	2.45	2.51
PCB-1016 Peak 3	2.56	2.53	2.59
PCB-1016 Peak 4	2.83	2.80	2.86
PCB-1016 Peak 5	2.93	2.90	2.96
PCB-1260 Peak 1	3.75	3.72	3.78
PCB-1260 Peak 2	4.17	4.14	4.20
PCB-1260 Peak 3	4.47	4.44	4.50
PCB-1260 Peak 4	4.62	4.59	4.65
PCB-1260 Peak 5	4.94	4.91	4.97

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-171.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 19-Nov-2018 12:07:11 ALS Bottle#: 0 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 20-Nov-2018 09:03:22 Calib Date: 17-Sep-2018 16:57:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-062.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: CTX0319

First Level Reviewer: thongjanw Date: 20-Nov-2018 09:03:22

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							sM
1	1.072	1.072	0.000	14955402	0.5000	0.5000	
2	0.914	0.914	0.000	43827726	0.5000	0.5000	M
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.948	1.948	0.000	491146	0.0125	0.0134	
2	1.436	1.436	0.000	1249375	0.0125	0.0117	M
						RPD = 13.29	
9 PCB-1016							M
1	2.868	2.868	0.000	1357491	0.5000	0.4266	M
1	2.952	2.952	0.000	511414	0.5000	0.4646	M
1	3.014	3.014	0.000	351987	0.5000	0.4177	M
1	3.134	3.134	0.000	265386	0.5000	0.4395	M
1	3.408	3.408	0.000	453302	0.5000	0.4180	M
		Average of Peak Amounts =				0.4333	
2	2.372	2.372	0.000	3172472	0.5000	0.4151	M
2	2.475	2.475	0.000	1359072	0.5000	0.3882	M
2	2.562	2.562	0.000	903055	0.5000	0.4870	M
2	2.828	2.828	0.000	1616367	0.5000	0.3984	M
2	2.925	2.925	0.000	1238030	0.5000	0.4696	M
		Average of Peak Amounts =				0.4317	
						RPD = 0.38	
2 1260 Res 1							M
1	4.123	4.123	0.000	256544	NC	NC	M
2	4.168	4.168	0.000	1864863	NC	NC	M
4 1260 Res 2							M
1	4.224	4.224	0.000	300821	NC	NC	M
2	4.221	4.221	0.000	1301717	NC	NC	M

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.318	4.318	0.000	730088	0.5000	0.3777	M
1	4.502	4.502	0.000	830427	0.5000	0.3834	M
1	4.728	4.728	0.000	970001	0.5000	0.3868	M
1	5.049	5.049	0.000	523662	0.5000	0.4759	M
1	5.256	5.256	0.000	1234970	0.5000	0.4748	M
		Average of Peak Amounts =				0.4197	
2	3.753	3.753	0.000	1938700	0.5000	0.4104	M
2	4.168	4.168	0.000	1864863	0.5000	0.3702	M
2	4.471	4.471	0.000	1680815	0.5000	0.4719	M
2	4.619	4.619	0.000	3209253	0.5000	0.4539	M
2	4.939	4.939	0.000	2164112	0.5000	0.4498	M
		Average of Peak Amounts =				0.4312	
						RPD = 2.71	
3 1260 Res 3							M
1	4.453	4.453	0.000	110150	NC	NC	M
2	4.471	4.471	0.000	1680815	NC	NC	M
$ 15 DCB Decachlorobiphenyl							
1	6.826	6.826	0.000	265243	0.0125	0.0115	
2	5.875	5.875	0.000	616293	0.0125	0.0143	
						RPD = 21.58	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- s - Failed ISTD Recovery Test

Review Flags
- M - Manually Integrated

Reagents:

1660sur/is0.5_00044 Amount Added: 1.00 Units: mL

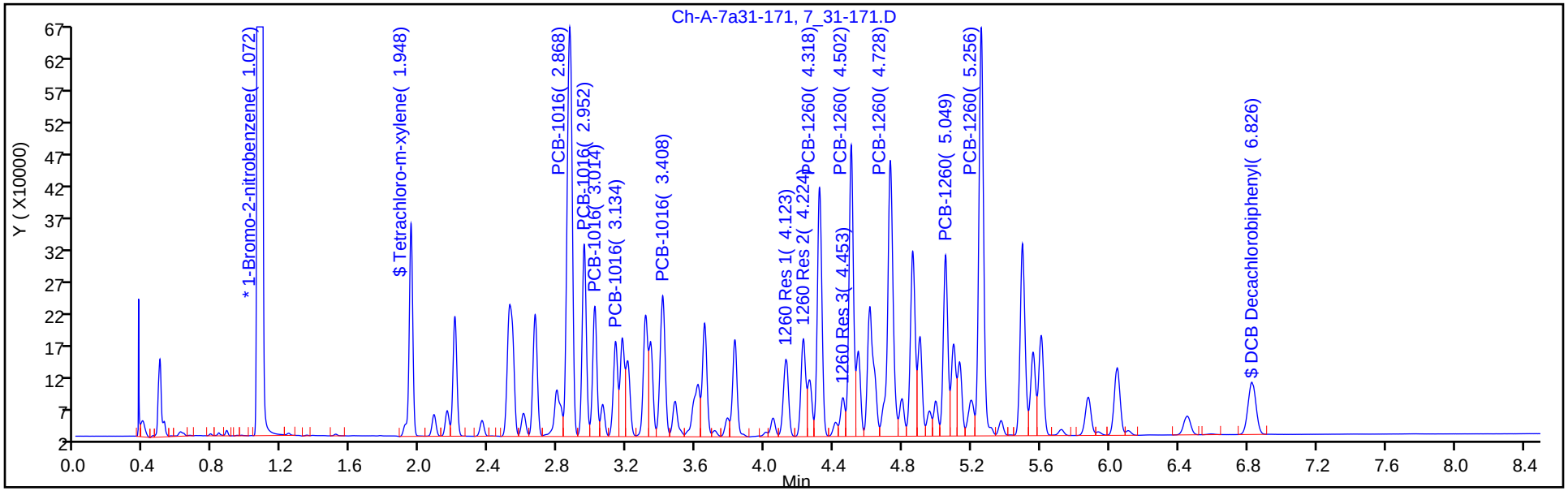
Report Date: 20-Nov-2018 09:03:24 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

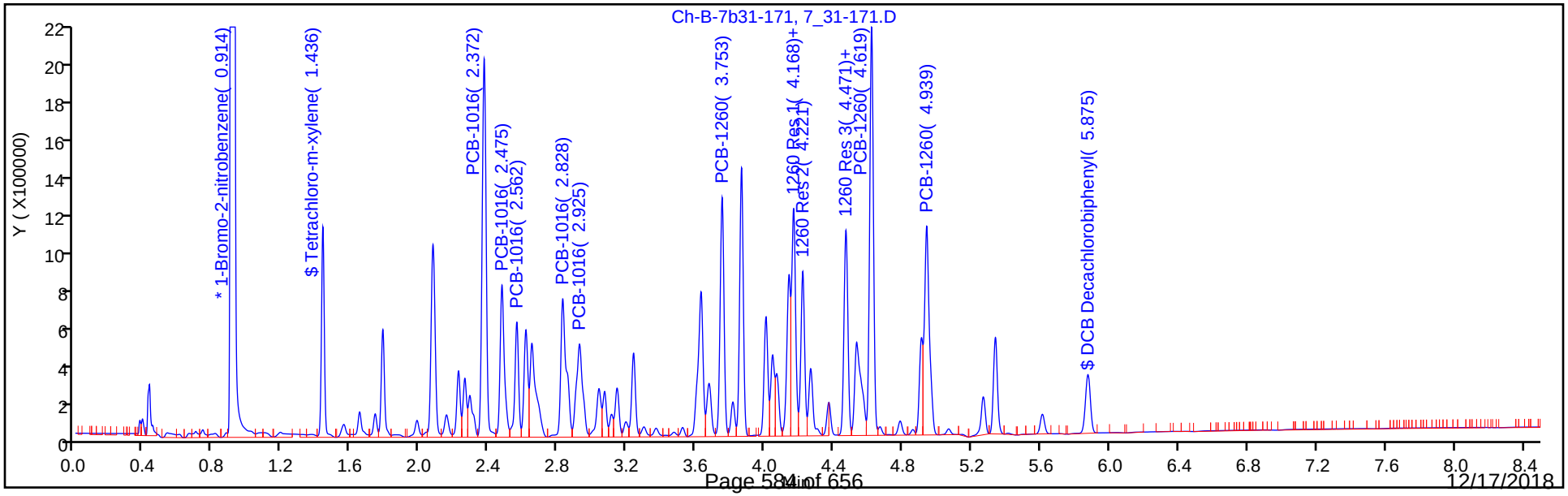
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-171.D

Injection Date:	19-Nov-2018 12:07:11	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	CCVIS			Worklist Smp#:	11
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

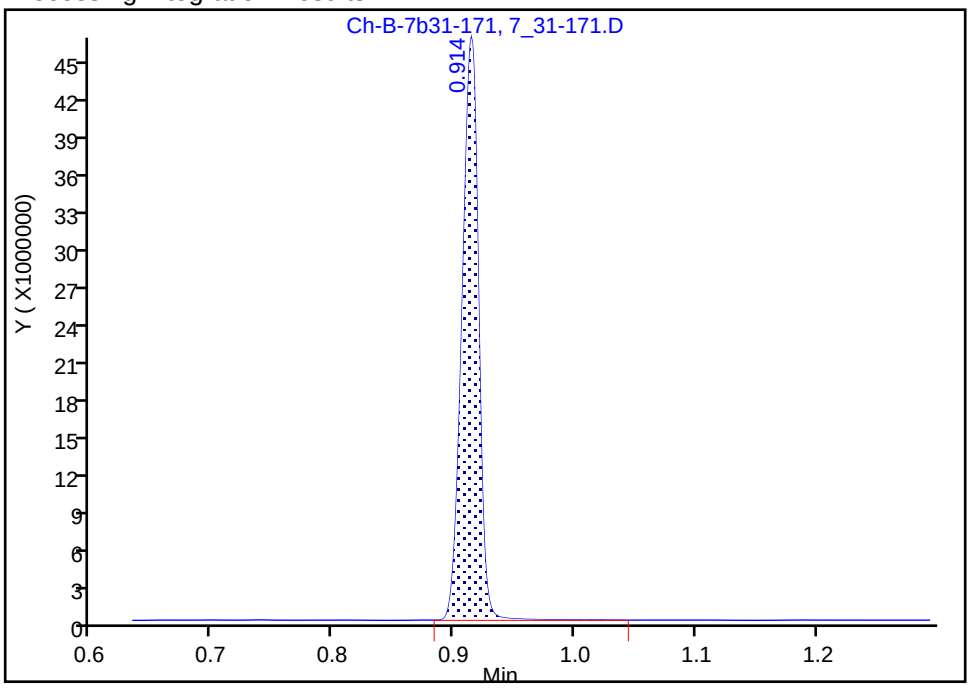
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-171.D
Injection Date: 19-Nov-2018 12:07:11 Instrument ID: HP6890-7
Lims ID: CCVIS
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-B-7b136

* 1 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

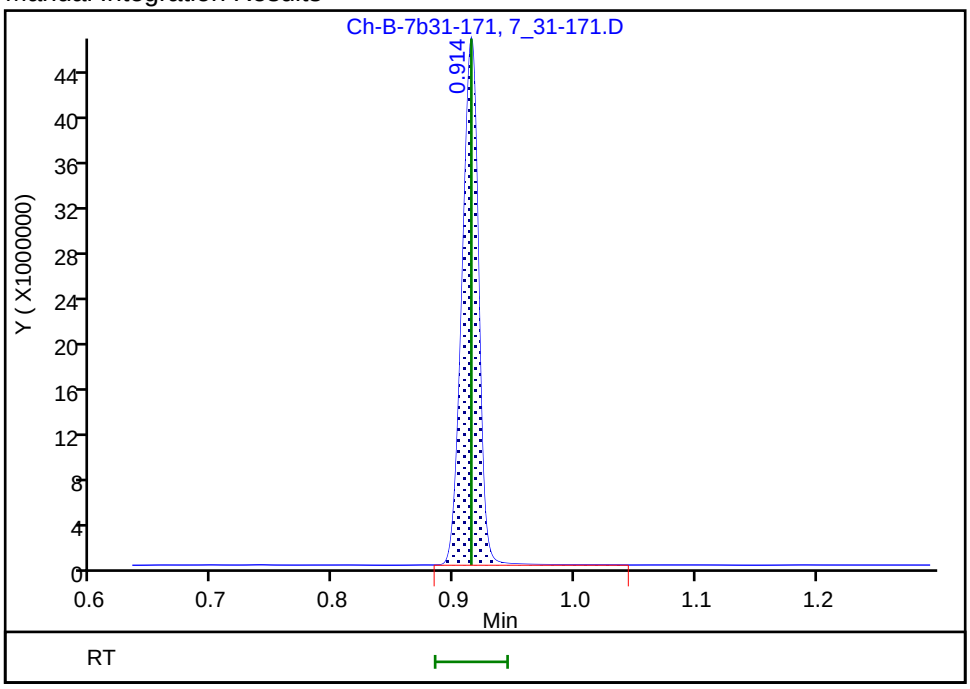
Processing Integration Results

RT: 0.91
Area: 43759105
Amount: 0.500000
Amount Units: ng/uL



Manual Integration Results

RT: 0.91
Area: 43827726
Amount: 0.500000
Amount Units: ng/uL



Reviewer: thongjanw, 20-Nov-2018 09:02:36
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 20-Nov-2018 09:03:24 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-171.D

Injection Date: 19-Nov-2018 12:07:11 Instrument ID: HP6890-7

Lims ID: CCVIS

Client ID:

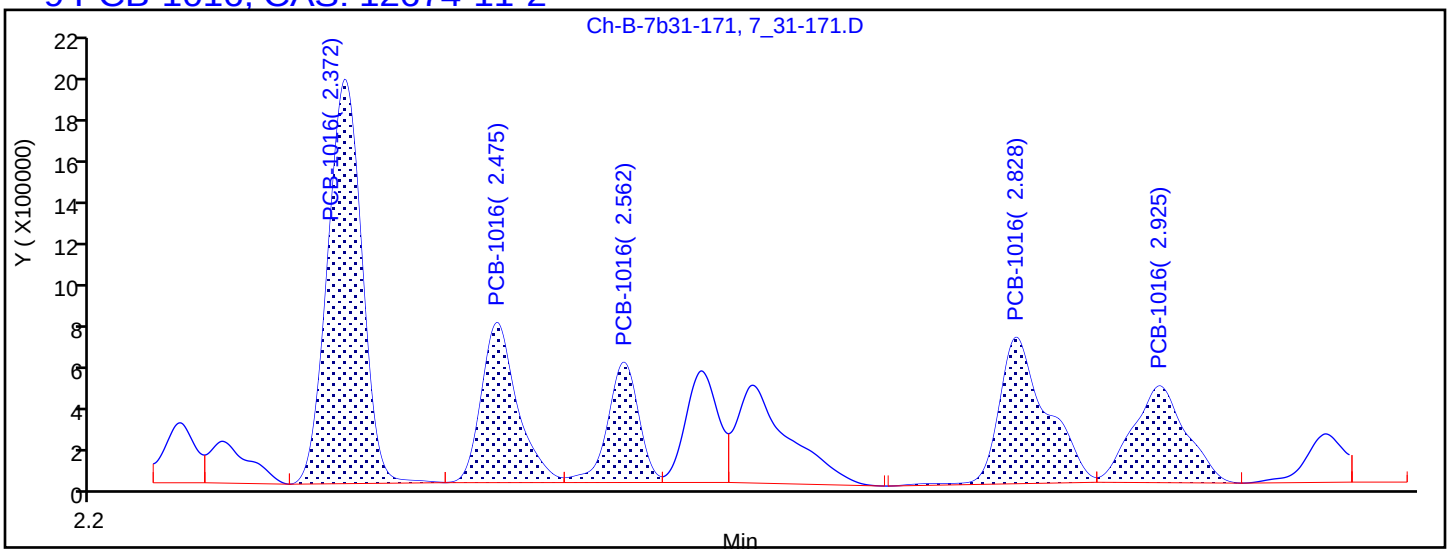
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 11

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

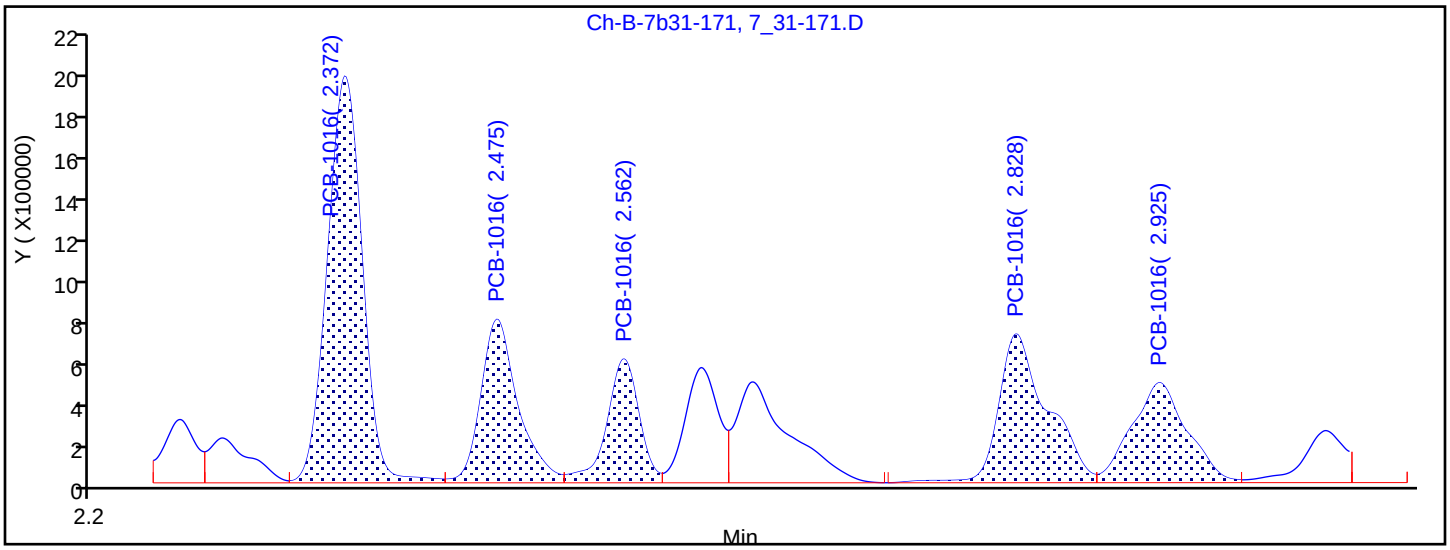
Column: Detector Ch-B-7b136

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.372	Response = 3090751
2.475	Response = 1278099
2.562	Response = 834901
2.828	Response = 1540216
2.925	Response = 1146202



Manual Integration Results

2.372	Response = 3172472	M
2.475	Response = 1359072	M
2.562	Response = 903055	M
2.828	Response = 1616367	M
2.925	Response = 1238030	M

Reviewer: thongjanw, 20-Nov-2018 09:02:43

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 20-Nov-2018 09:03:25 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-171.D

Injection Date: 19-Nov-2018 12:07:11 Instrument ID: HP6890-7

Lims ID: CCVIS

Client ID:

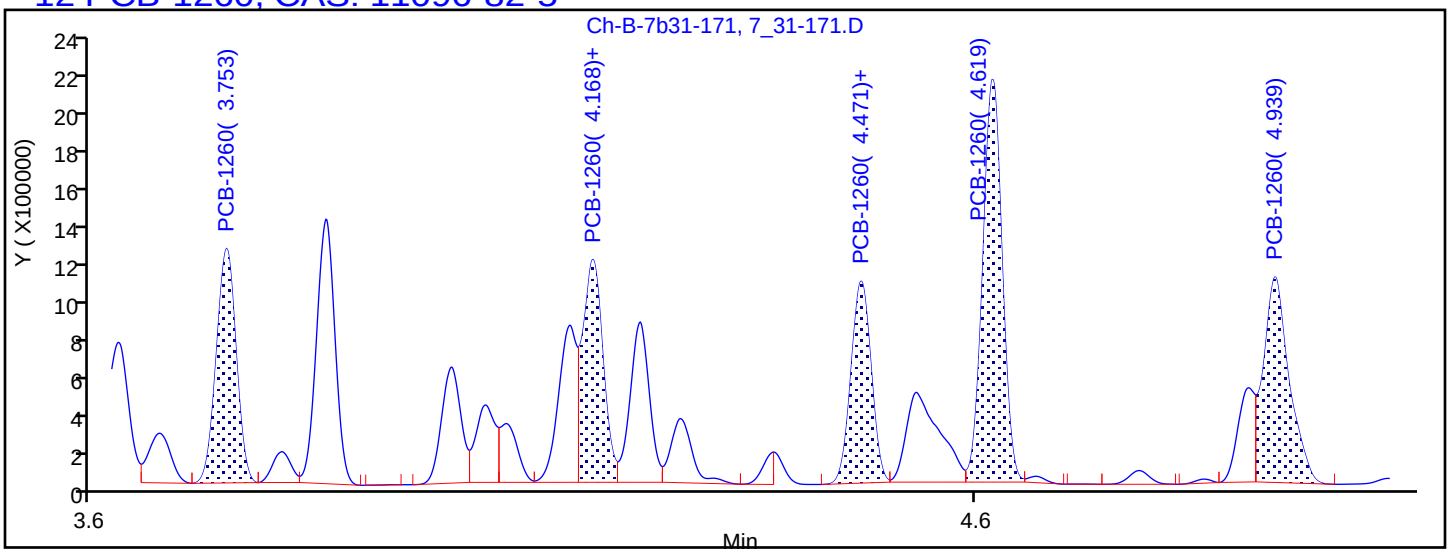
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 11

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

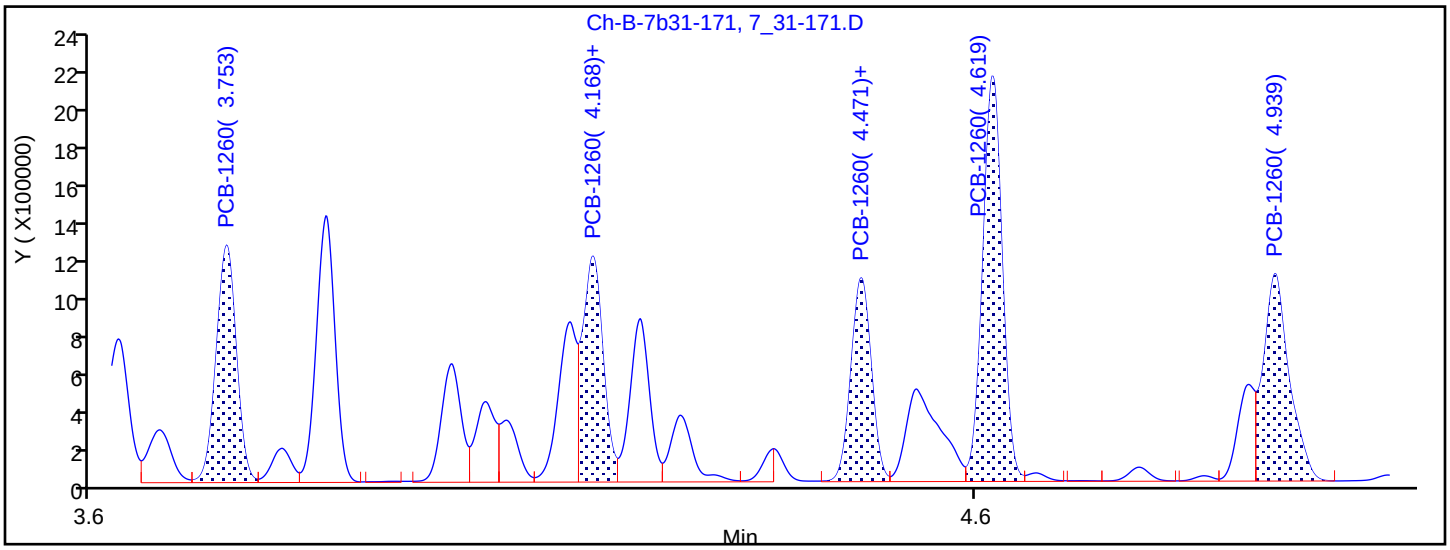
Column: Detector Ch-B-7b136

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

3.753	Response = 1869026
4.168	Response = 1822436
4.471	Response = 1639481
4.619	Response = 3152605
4.939	Response = 2128393



Manual Integration Results

3.753	Response = 1938700	M
4.168	Response = 1864863	M
4.471	Response = 1680815	M
4.619	Response = 3209253	M
4.939	Response = 2164112	M

Reviewer: thongjanw, 20-Nov-2018 09:02:45

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Lab Sample ID: CCVIS 480-446375/11 Calibration Date: 11/19/2018 12:07

Instrument ID: HP6890-7 Calib Start Date: 09/17/2018 15:22

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 09/17/2018 16:42

Lab File ID: 7_31-171.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrachloro-m-xylene	Lin1		1.140		0.0117	0.0125	-6.2	20.0
DCB Decachlorobiphenyl	Lin1		0.5625		0.0143	0.0125	14.7	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Lab Sample ID: CCVIS 480-446375/11 Calibration Date: 11/19/2018 12:07

Instrument ID: HP6890-7 Calib Start Date: 09/17/2018 15:22

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 09/17/2018 16:42

Lab File ID: 7_31-171.D

Analyte	RT	RT WINDOW	
		FROM	TO
Tetrachloro-m-xylene	1.44	1.41	1.47
DCB Decachlorobiphenyl	5.88	5.85	5.91

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-171.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 19-Nov-2018 12:07:11 ALS Bottle#: 0 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 20-Nov-2018 09:03:22 Calib Date: 17-Sep-2018 16:57:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-062.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: CTX0319

First Level Reviewer: thongjanw Date: 20-Nov-2018 09:03:22

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							sM
1	1.072	1.072	0.000	14955402	0.5000	0.5000	
2	0.914	0.914	0.000	43827726	0.5000	0.5000	M
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.948	1.948	0.000	491146	0.0125	0.0134	
2	1.436	1.436	0.000	1249375	0.0125	0.0117	M
						RPD = 13.29	
9 PCB-1016							M
1	2.868	2.868	0.000	1357491	0.5000	0.4266	M
1	2.952	2.952	0.000	511414	0.5000	0.4646	M
1	3.014	3.014	0.000	351987	0.5000	0.4177	M
1	3.134	3.134	0.000	265386	0.5000	0.4395	M
1	3.408	3.408	0.000	453302	0.5000	0.4180	M
		Average of Peak Amounts =				0.4333	
2	2.372	2.372	0.000	3172472	0.5000	0.4151	M
2	2.475	2.475	0.000	1359072	0.5000	0.3882	M
2	2.562	2.562	0.000	903055	0.5000	0.4870	M
2	2.828	2.828	0.000	1616367	0.5000	0.3984	M
2	2.925	2.925	0.000	1238030	0.5000	0.4696	M
		Average of Peak Amounts =				0.4317	
						RPD = 0.38	
2 1260 Res 1							M
1	4.123	4.123	0.000	256544	NC	NC	M
2	4.168	4.168	0.000	1864863	NC	NC	M
4 1260 Res 2							M
1	4.224	4.224	0.000	300821	NC	NC	M
2	4.221	4.221	0.000	1301717	NC	NC	M

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.318	4.318	0.000	730088	0.5000	0.3777	M
1	4.502	4.502	0.000	830427	0.5000	0.3834	M
1	4.728	4.728	0.000	970001	0.5000	0.3868	M
1	5.049	5.049	0.000	523662	0.5000	0.4759	M
1	5.256	5.256	0.000	1234970	0.5000	0.4748	M
		Average of Peak Amounts =				0.4197	
2	3.753	3.753	0.000	1938700	0.5000	0.4104	M
2	4.168	4.168	0.000	1864863	0.5000	0.3702	M
2	4.471	4.471	0.000	1680815	0.5000	0.4719	M
2	4.619	4.619	0.000	3209253	0.5000	0.4539	M
2	4.939	4.939	0.000	2164112	0.5000	0.4498	M
		Average of Peak Amounts =				0.4312	
						RPD = 2.71	
3 1260 Res 3							M
1	4.453	4.453	0.000	110150	NC	NC	M
2	4.471	4.471	0.000	1680815	NC	NC	M
$ 15 DCB Decachlorobiphenyl							
1	6.826	6.826	0.000	265243	0.0125	0.0115	
2	5.875	5.875	0.000	616293	0.0125	0.0143	
						RPD = 21.58	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- s - Failed ISTD Recovery Test

Review Flags
- M - Manually Integrated

Reagents:

1660sur/is0.5_00044 Amount Added: 1.00 Units: mL

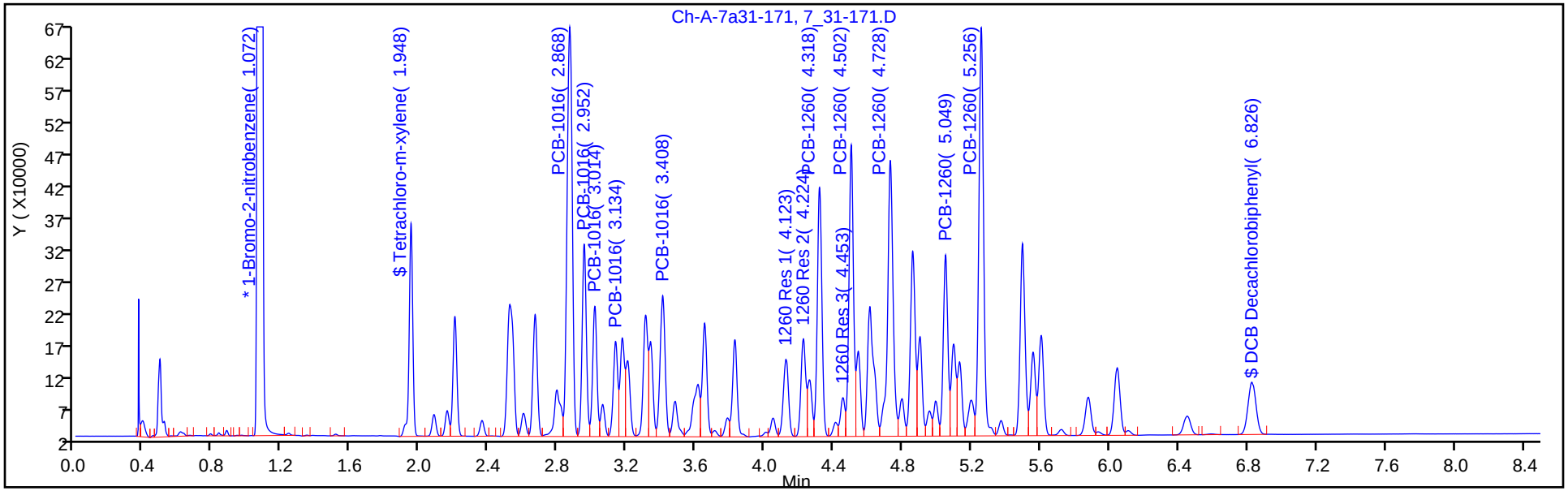
Report Date: 20-Nov-2018 09:03:24 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

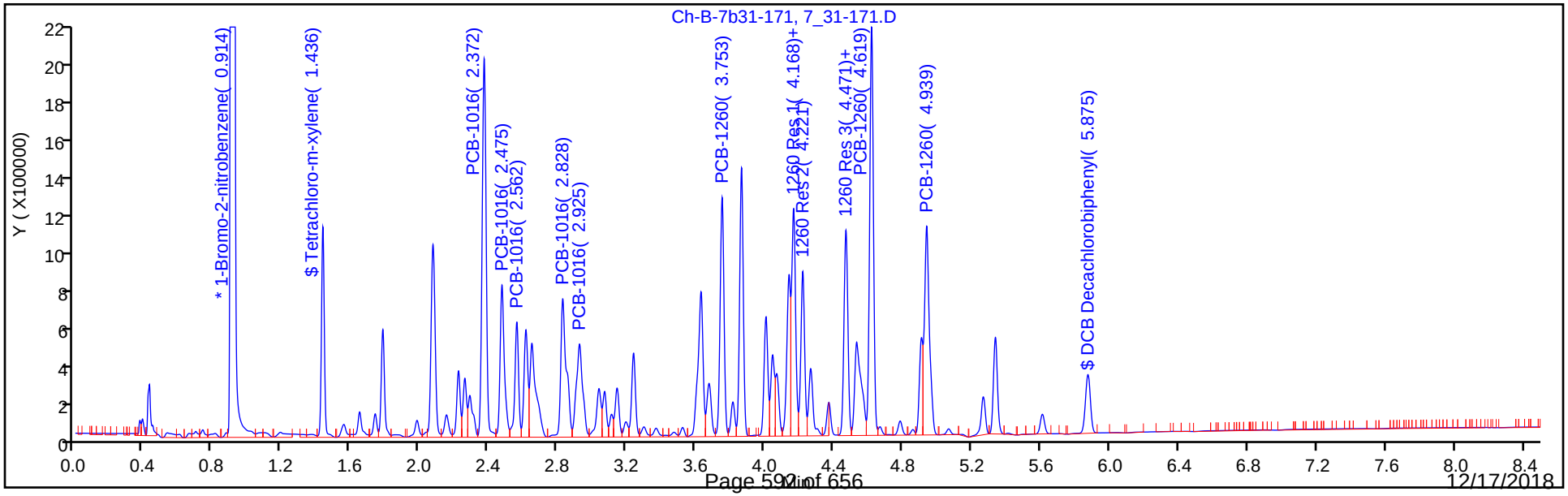
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-171.D

Injection Date:	19-Nov-2018 12:07:11	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	CCVIS			Worklist Smp#:	11
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

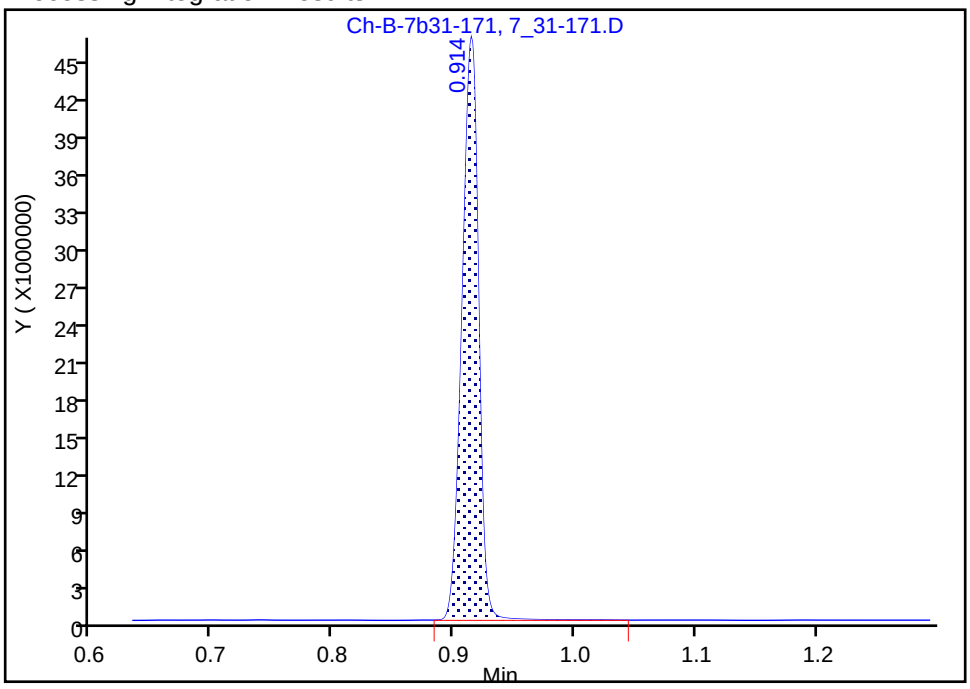
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-171.D
Injection Date: 19-Nov-2018 12:07:11 Instrument ID: HP6890-7
Lims ID: CCVIS
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-B-7b136

* 1 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

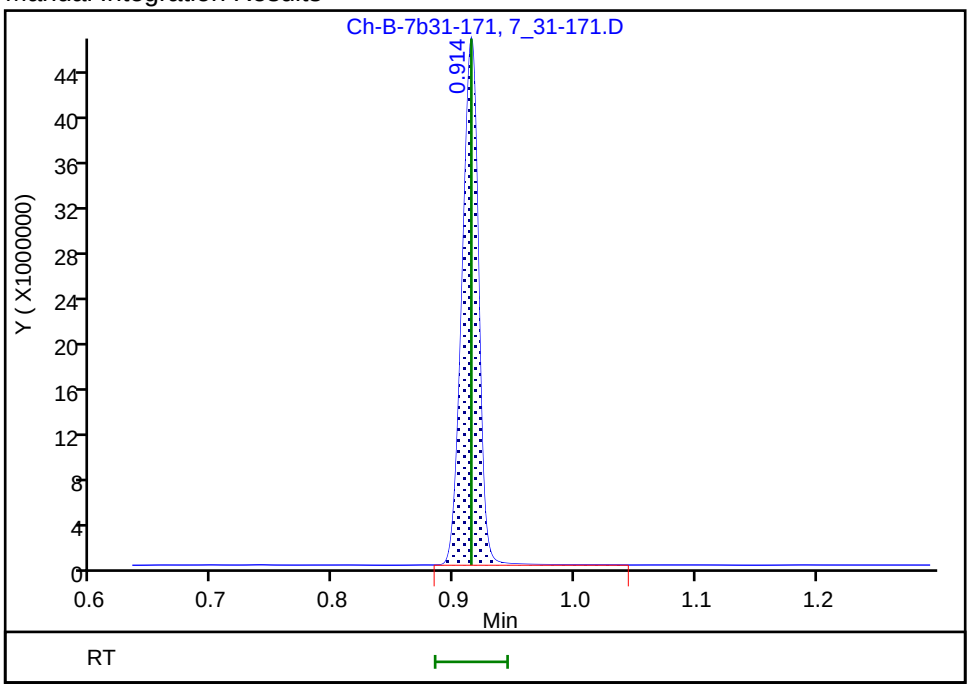
Processing Integration Results

RT: 0.91
Area: 43759105
Amount: 0.500000
Amount Units: ng/uL



Manual Integration Results

RT: 0.91
Area: 43827726
Amount: 0.500000
Amount Units: ng/uL



Reviewer: thongjanw, 20-Nov-2018 09:02:36
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

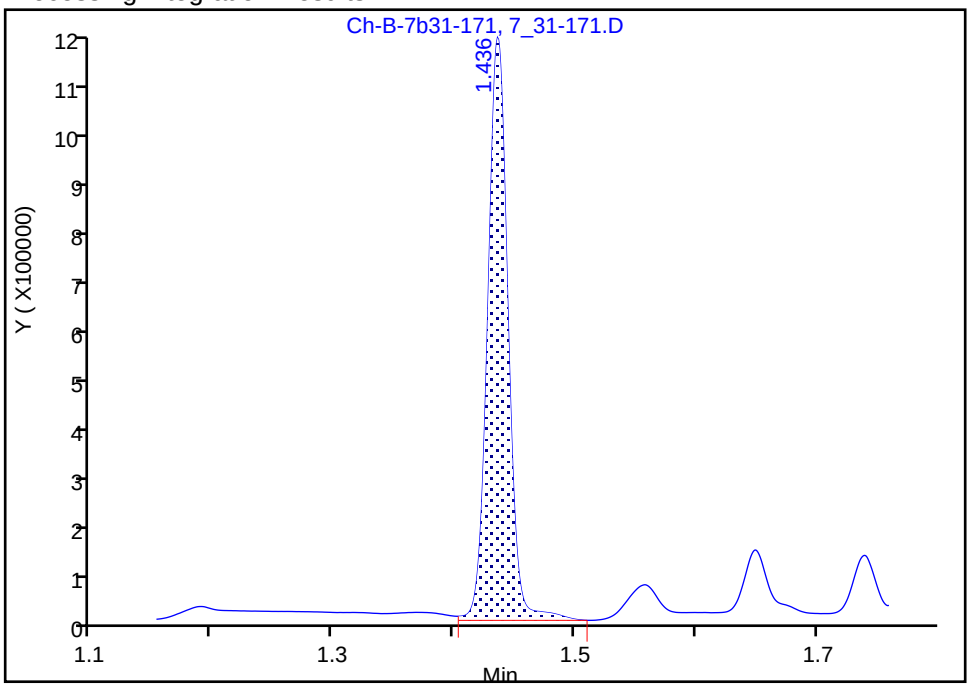
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-171.D
Injection Date: 19-Nov-2018 12:07:11 Instrument ID: HP6890-7
Lims ID: CCVIS
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-B-7b136

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 2

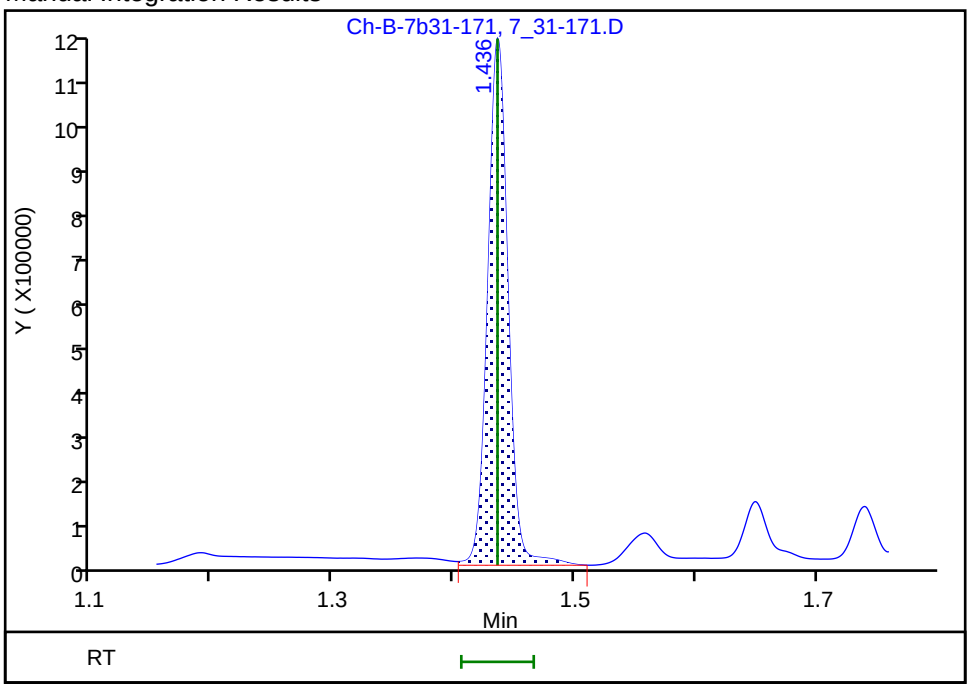
Processing Integration Results

RT: 1.44
Area: 1225379
Amount: 0.011508
Amount Units: ng/uL



Manual Integration Results

RT: 1.44
Area: 1249375
Amount: 0.011725
Amount Units: ng/uL



Reviewer: thongjanw, 20-Nov-2018 09:02:36
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Lab Sample ID: CCV 480-446375/32 Calibration Date: 11/19/2018 18:22

Instrument ID: HP6890-7 Calib Start Date: 05/07/2018 14:26

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/07/2018 16:02

Lab File ID: 7_31-192.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	0.1064	0.1060		0.498	0.500	-0.4	20.0
PCB-1016 Peak 2	Lin1		0.0400		0.547	0.500	9.4	20.0
PCB-1016 Peak 3	Ave	0.0282	0.0275		0.489	0.500	-2.3	20.0
PCB-1016 Peak 4	Lin1		0.0232		0.588	0.500	17.6	20.0
PCB-1016 Peak 5	Ave	0.0363	0.0353		0.487	0.500	-2.6	20.0
PCB-1260 Peak 1	Ave	0.0646	0.0528		0.408	0.500	-18.4	20.0
PCB-1260 Peak 2	Ave	0.0724	0.0642		0.444	0.500	-11.3	20.0
PCB-1260 Peak 3	Lin1		0.0825		0.498	0.500	-0.4	20.0
PCB-1260 Peak 4	Lin1		0.0412		0.563	0.500	12.5	20.0
PCB-1260 Peak 5	Lin1		0.0966		0.559	0.500	11.7	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Lab Sample ID: CCV 480-446375/32 Calibration Date: 11/19/2018 18:22

Instrument ID: HP6890-7 Calib Start Date: 05/07/2018 14:26

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 05/07/2018 16:02

Lab File ID: 7_31-192.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.87	2.84	2.90
PCB-1016 Peak 2	2.95	2.92	2.98
PCB-1016 Peak 3	3.02	2.98	3.04
PCB-1016 Peak 4	3.14	3.10	3.16
PCB-1016 Peak 5	3.41	3.38	3.44
PCB-1260 Peak 1	4.32	4.29	4.35
PCB-1260 Peak 2	4.50	4.47	4.53
PCB-1260 Peak 3	4.73	4.70	4.76
PCB-1260 Peak 4	5.05	5.02	5.08
PCB-1260 Peak 5	5.25	5.23	5.29

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-192.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 19-Nov-2018 18:22:57 ALS Bottle#: 0 Worklist Smp#: 32
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 20-Nov-2018 09:21:27 Calib Date: 17-Sep-2018 16:57:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-062.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: CTX0319

First Level Reviewer: thongjanw Date: 20-Nov-2018 09:21:27

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							s
1	1.073	1.073	0.001	12410096	0.5000	0.5000	
2	0.916	0.914	0.002	35502493	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.949	1.948	0.001	486670	0.0125	0.0161	
2	1.438	1.436	0.002	1215529	0.0125	0.0142	
						RPD = 12.33	
9 PCB-1016							M
1	2.871	2.868	0.003	1315288	0.5000	0.4981	M
1	2.954	2.952	0.002	496312	0.5000	0.5471	M
1	3.016	3.014	0.002	341627	0.5000	0.4886	M
1	3.135	3.134	0.001	288035	0.5000	0.5882	M
1	3.409	3.408	0.001	438139	0.5000	0.4868	M
		Average of Peak Amounts =				0.5218	
2	2.372	2.372	0.000	3361003	0.5000	0.5429	M
2	2.475	2.475	0.000	1294473	0.5000	0.4565	M
2	2.562	2.562	0.000	864199	0.5000	0.5801	M
2	2.828	2.828	0.000	1512750	0.5000	0.4603	M
2	2.925	2.925	0.000	1175381	0.5000	0.5536	M
		Average of Peak Amounts =				0.5187	
						RPD = 0.59	
2 1260 Res 1							M
1	4.124	4.123	0.002	244200	NC	NC	M
2	4.168	4.168	0.001	1903521	NC	NC	
4 1260 Res 2							M
1	4.225	4.224	0.001	318043	NC	NC	M
2	4.222	4.221	0.001	1425719	NC	NC	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.319	4.318	0.001	654693	0.5000	0.4081	M
1	4.503	4.502	0.001	797124	0.5000	0.4435	M
1	4.729	4.728	0.001	1023569	0.5000	0.4979	M
1	5.049	5.049	0.000	510984	0.5000	0.5627	M
1	5.254	5.256	-0.002	1199339	0.5000	0.5587	M
		Average of Peak Amounts =				0.4942	
2	3.753	3.753	0.000	1897347	0.5000	0.4959	M
2	4.168	4.168	0.000	1903521	0.5000	0.4665	
2	4.471	4.471	0.000	1628546	0.5000	0.5644	
2	4.618	4.619	-0.001	3535679	0.5000	0.6173	
2	4.938	4.939	-0.001	2146254	0.5000	0.5507	
		Average of Peak Amounts =				0.5389	
						RPD = 8.66	
3 1260 Res 3							M
1	4.453	4.453	0.000	108826	NC	NC	M
2	4.471	4.471	0.000	1628546	NC	NC	
$ 15 DCB Decachlorobiphenyl							
1	6.829	6.826	0.003	261752	0.0125	0.0138	
2	5.874	5.875	-0.001	579120	0.0125	0.0168	
						RPD = 19.66	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- s - Failed ISTD Recovery Test

Review Flags
- M - Manually Integrated

Reagents:

1660sur/is0.5_00044 Amount Added: 1.00 Units: mL

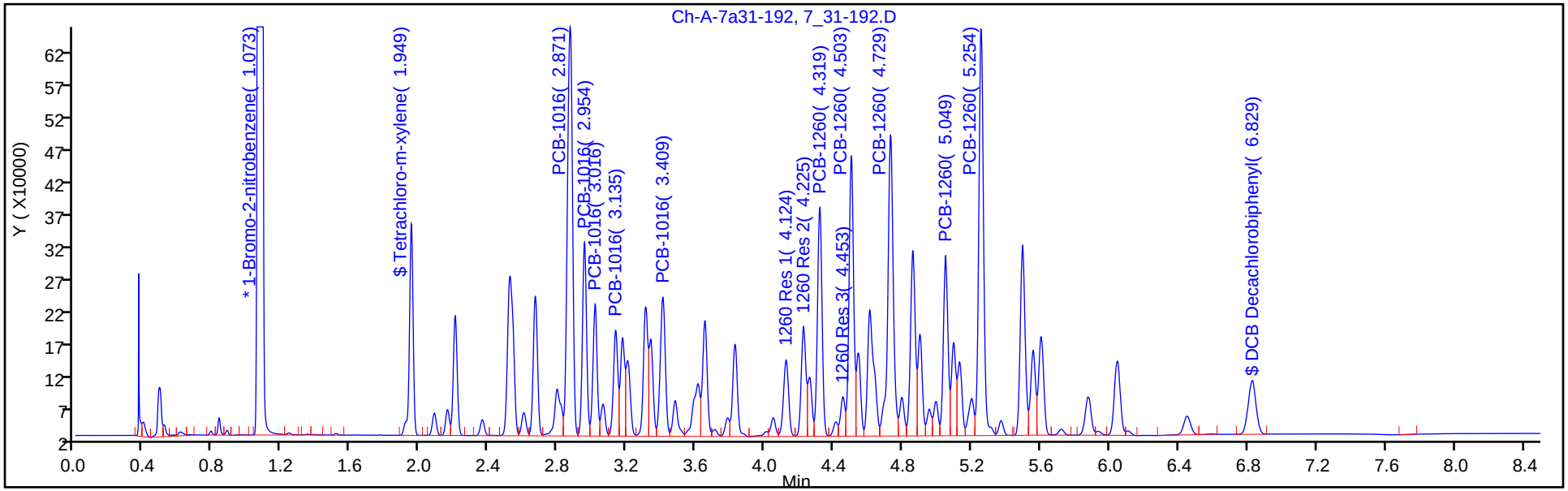
Report Date: 20-Nov-2018 09:21:27 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

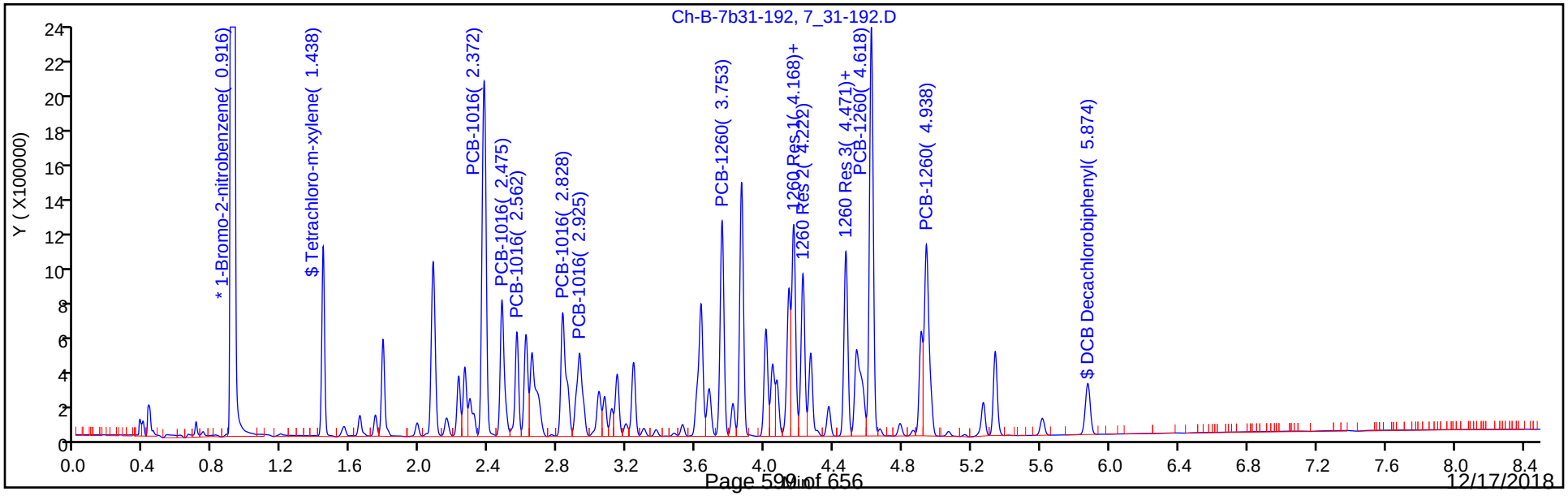
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-192.D

Injection Date:	19-Nov-2018 18:22:57	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	32
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 20-Nov-2018 09:21:27 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-192.D

Injection Date: 19-Nov-2018 18:22:57 Instrument ID: HP6890-7

Lims ID: CCV

Client ID:

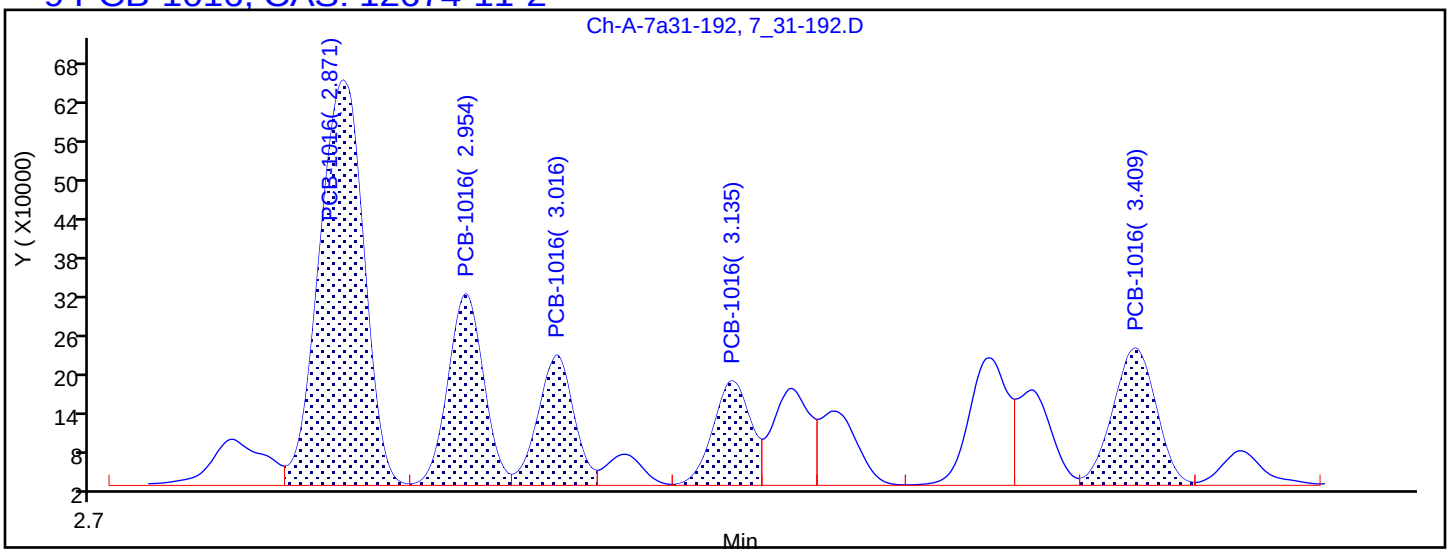
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 32

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

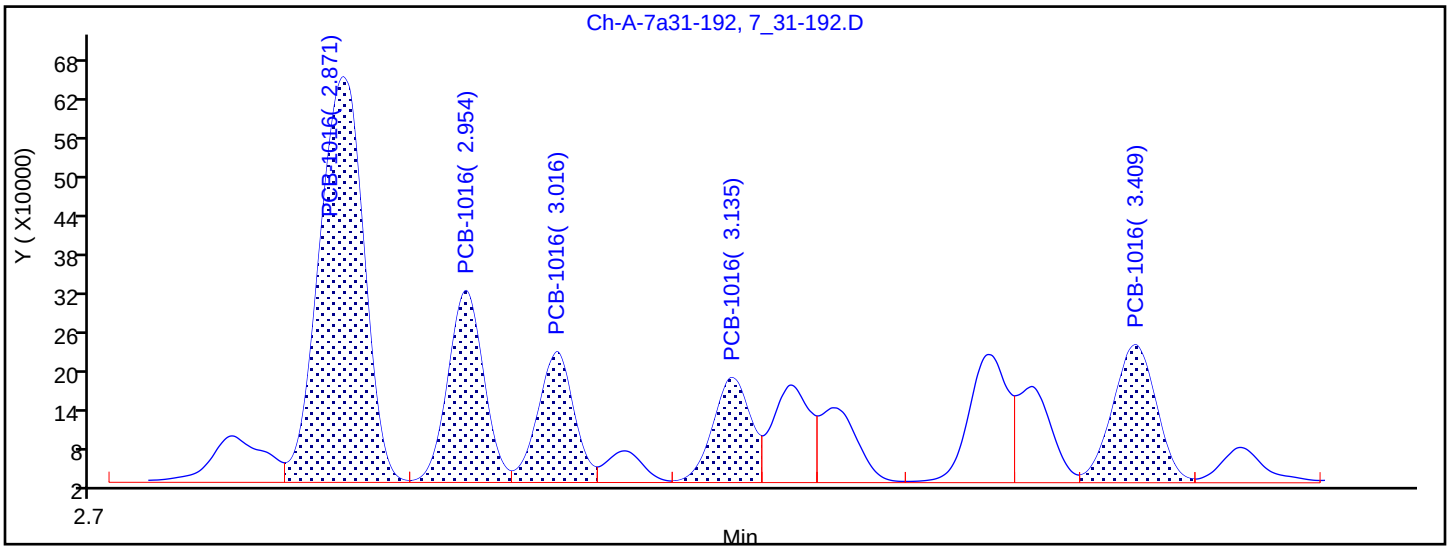
Column: Detector Ch-A-7A136

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.871	Response = 1312075
2.954	Response = 493332
3.016	Response = 338857
3.135	Response = 284684
3.409	Response = 432288



Manual Integration Results

2.871	Response = 1315288	M
2.954	Response = 496312	M
3.016	Response = 341627	M
3.135	Response = 288035	M
3.409	Response = 438139	M

Reviewer: thongjanw, 20-Nov-2018 09:20:46

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

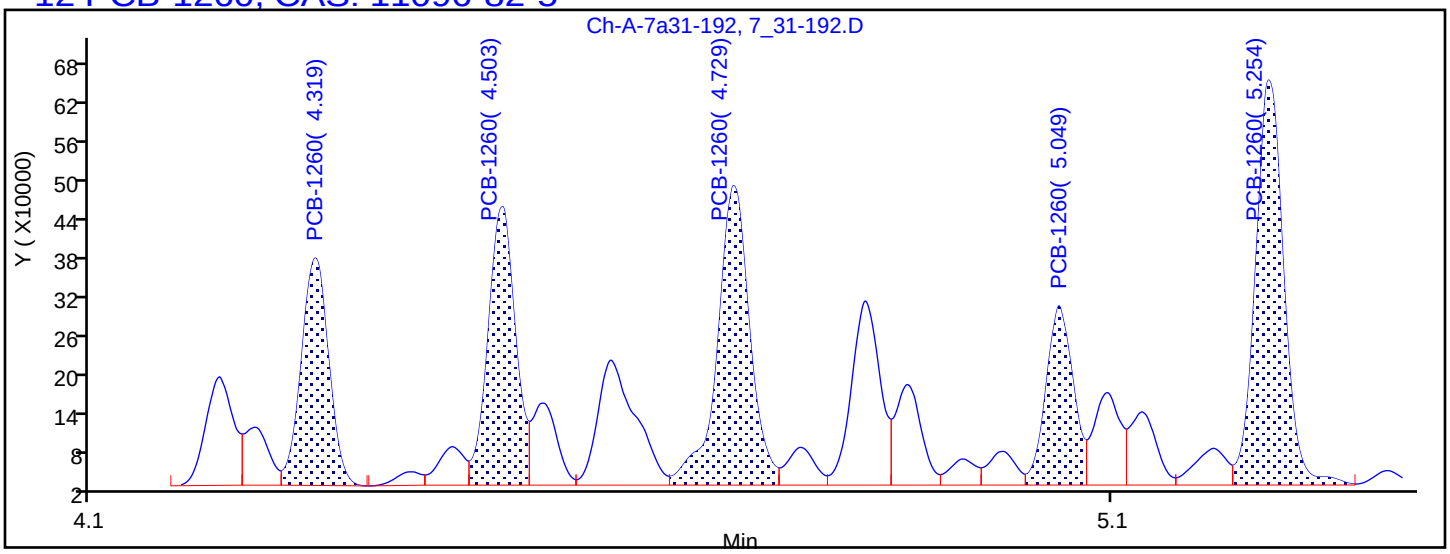
Report Date: 20-Nov-2018 09:21:27 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-192.D

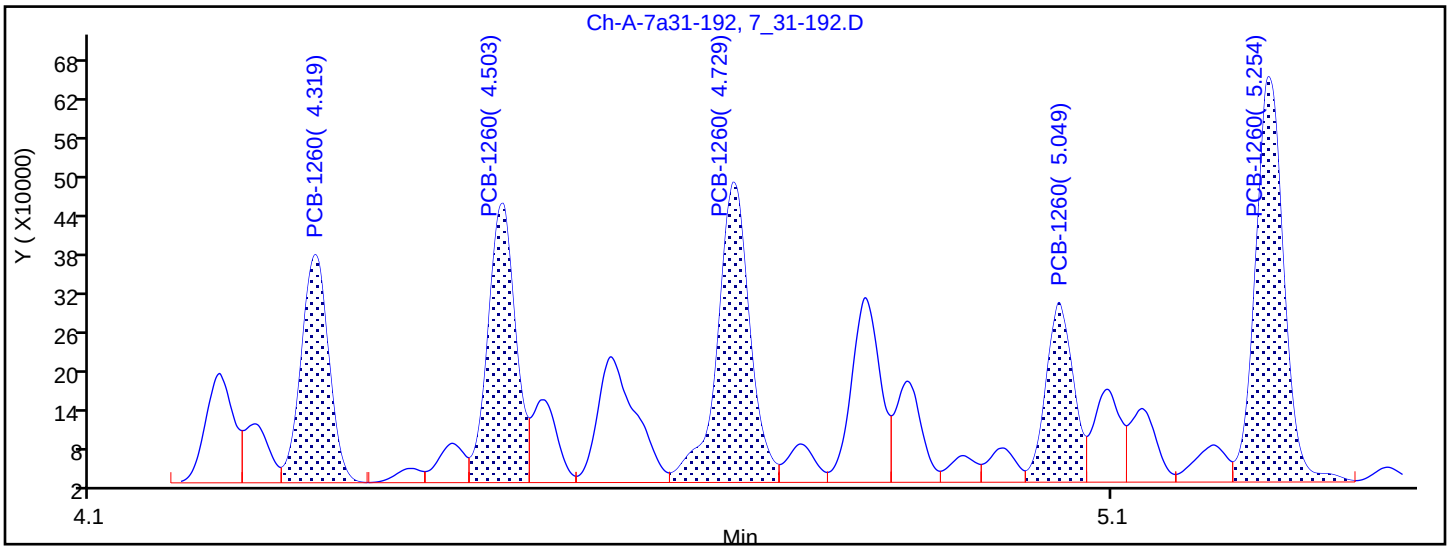
Injection Date:	19-Nov-2018 18:22:57	Instrument ID:	HP6890-7		
Lims ID:	CCV				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-A-7A136		

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

4.319	Response = 650239
4.503	Response = 792493
4.729	Response = 1016535
5.049	Response = 508191
5.254	Response = 1195383



Manual Integration Results

4.319	Response = 654693	M
4.503	Response = 797124	M
4.729	Response = 1023569	M
5.049	Response = 510984	M
5.254	Response = 1199339	M

Reviewer: thongjanw, 20-Nov-2018 09:20:42

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Lab Sample ID: CCV 480-446375/32 Calibration Date: 11/19/2018 18:22

Instrument ID: HP6890-7 Calib Start Date: 09/17/2018 15:22

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 09/17/2018 16:42

Lab File ID: 7_31-192.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrachloro-m-xylene	Lin1		1.569		0.0161	0.0125	28.5*	20.0
DCB Decachlorobiphenyl	Lin1		0.8437		0.0138	0.0125	10.2	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Lab Sample ID: CCV 480-446375/32 Calibration Date: 11/19/2018 18:22

Instrument ID: HP6890-7 Calib Start Date: 09/17/2018 15:22

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 09/17/2018 16:42

Lab File ID: 7_31-192.D

Analyte	RT	RT WINDOW	
		FROM	TO
Tetrachloro-m-xylene	1.95	1.92	1.98
DCB Decachlorobiphenyl	6.83	6.80	6.86

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-192.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 19-Nov-2018 18:22:57 ALS Bottle#: 0 Worklist Smp#: 32
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 20-Nov-2018 09:21:27 Calib Date: 17-Sep-2018 16:57:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-062.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: CTX0319

First Level Reviewer: thongjanw Date: 20-Nov-2018 09:21:27

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							s
1	1.073	1.073	0.001	12410096	0.5000	0.5000	
2	0.916	0.914	0.002	35502493	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.949	1.948	0.001	486670	0.0125	0.0161	
2	1.438	1.436	0.002	1215529	0.0125	0.0142	
						RPD = 12.33	
9 PCB-1016							M
1	2.871	2.868	0.003	1315288	0.5000	0.4981	M
1	2.954	2.952	0.002	496312	0.5000	0.5471	M
1	3.016	3.014	0.002	341627	0.5000	0.4886	M
1	3.135	3.134	0.001	288035	0.5000	0.5882	M
1	3.409	3.408	0.001	438139	0.5000	0.4868	M
		Average of Peak Amounts =				0.5218	
2	2.372	2.372	0.000	3361003	0.5000	0.5429	M
2	2.475	2.475	0.000	1294473	0.5000	0.4565	M
2	2.562	2.562	0.000	864199	0.5000	0.5801	M
2	2.828	2.828	0.000	1512750	0.5000	0.4603	M
2	2.925	2.925	0.000	1175381	0.5000	0.5536	M
		Average of Peak Amounts =				0.5187	
						RPD = 0.59	
2 1260 Res 1							M
1	4.124	4.123	0.002	244200	NC	NC	M
2	4.168	4.168	0.001	1903521	NC	NC	
4 1260 Res 2							M
1	4.225	4.224	0.001	318043	NC	NC	M
2	4.222	4.221	0.001	1425719	NC	NC	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.319	4.318	0.001	654693	0.5000	0.4081	M
1	4.503	4.502	0.001	797124	0.5000	0.4435	M
1	4.729	4.728	0.001	1023569	0.5000	0.4979	M
1	5.049	5.049	0.000	510984	0.5000	0.5627	M
1	5.254	5.256	-0.002	1199339	0.5000	0.5587	M
		Average of Peak Amounts =				0.4942	
2	3.753	3.753	0.000	1897347	0.5000	0.4959	M
2	4.168	4.168	0.000	1903521	0.5000	0.4665	
2	4.471	4.471	0.000	1628546	0.5000	0.5644	
2	4.618	4.619	-0.001	3535679	0.5000	0.6173	
2	4.938	4.939	-0.001	2146254	0.5000	0.5507	
		Average of Peak Amounts =				0.5389	
						RPD = 8.66	
3 1260 Res 3							M
1	4.453	4.453	0.000	108826	NC	NC	M
2	4.471	4.471	0.000	1628546	NC	NC	
$ 15 DCB Decachlorobiphenyl							
1	6.829	6.826	0.003	261752	0.0125	0.0138	
2	5.874	5.875	-0.001	579120	0.0125	0.0168	
						RPD = 19.66	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- s - Failed ISTD Recovery Test

Review Flags
- M - Manually Integrated

Reagents:

1660sur/is0.5_00044 Amount Added: 1.00 Units: mL

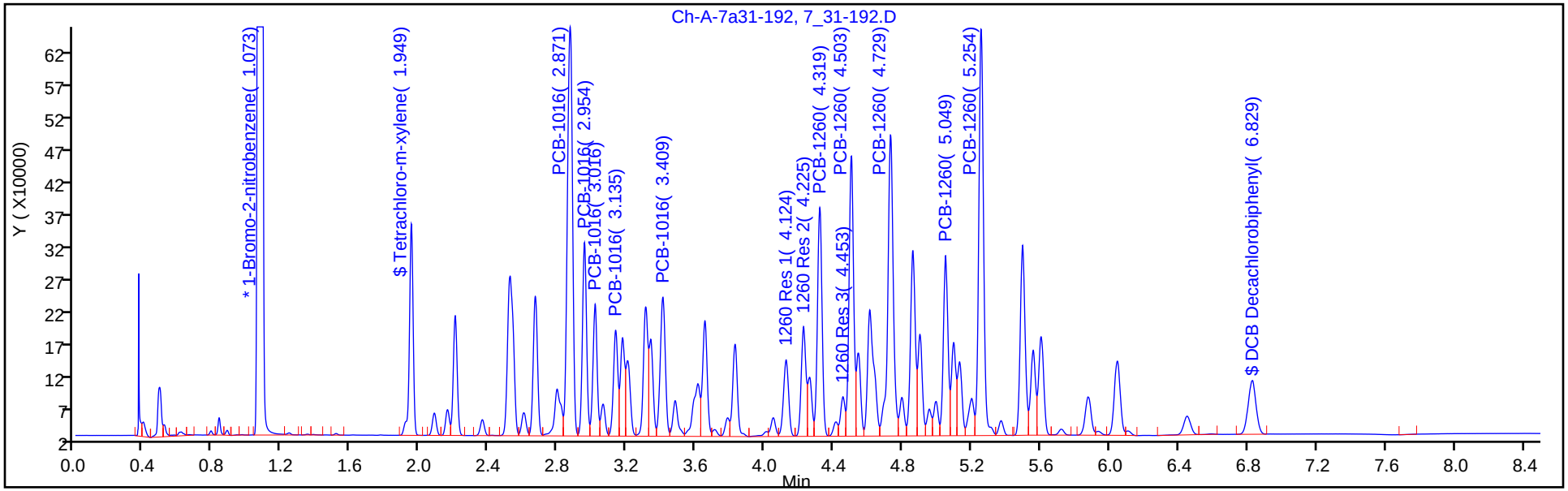
Report Date: 20-Nov-2018 09:21:27 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

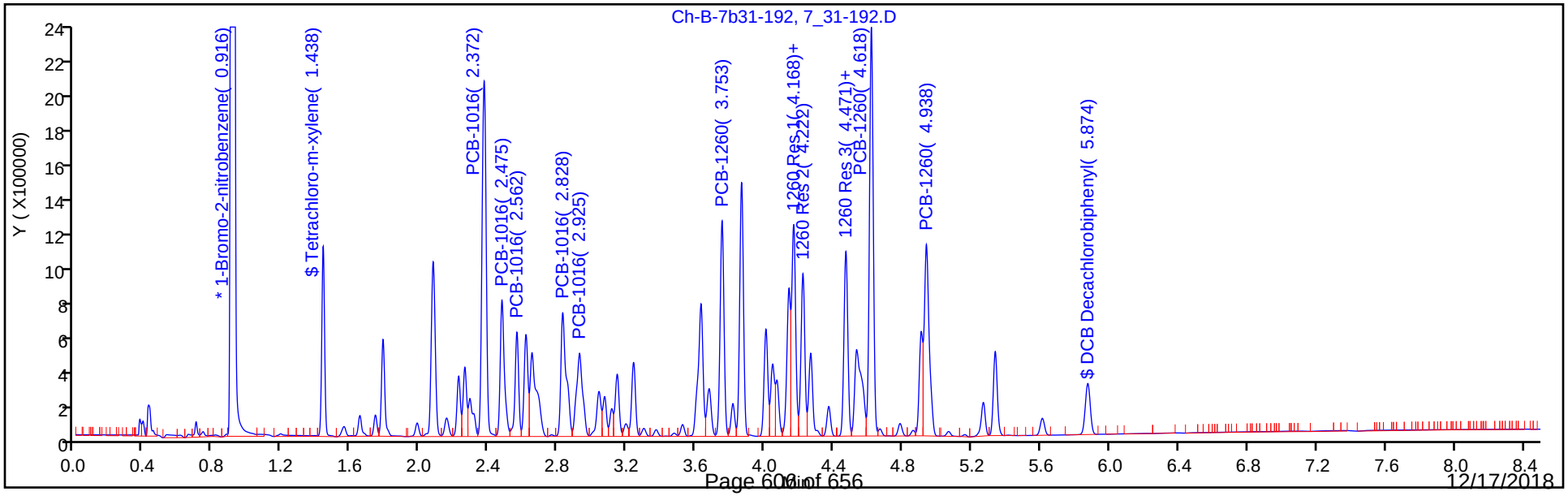
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-192.D

Injection Date:	19-Nov-2018 18:22:57	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	32
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Lab Sample ID: CCV 480-446375/32 Calibration Date: 11/19/2018 18:22

Instrument ID: HP6890-7 Calib Start Date: 05/07/2018 14:26

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/07/2018 16:02

Lab File ID: 7_31-192.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	0.0872	0.0947		0.543	0.500	8.6	20.0
PCB-1016 Peak 2	Ave	0.0399	0.0365		0.456	0.500	-8.7	20.0
PCB-1016 Peak 3	Lin1		0.0243		0.580	0.500	16.0	20.0
PCB-1016 Peak 4	Ave	0.0463	0.0426		0.460	0.500	-7.9	20.0
PCB-1016 Peak 5	Lin1		0.0331		0.554	0.500	10.7	20.0
PCB-1260 Peak 1	Ave	0.0539	0.0534		0.496	0.500	-0.8	20.0
PCB-1260 Peak 2	Ave	0.0575	0.0536		0.466	0.500	-6.7	20.0
PCB-1260 Peak 3	Ave	0.0406	0.0459		0.564	0.500	12.9	20.0
PCB-1260 Peak 4	Ave	0.0807	0.0996		0.617	0.500	23.5*	20.0
PCB-1260 Peak 5	Ave	0.0549	0.0605		0.551	0.500	10.1	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Lab Sample ID: CCV 480-446375/32 Calibration Date: 11/19/2018 18:22

Instrument ID: HP6890-7 Calib Start Date: 05/07/2018 14:26

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 05/07/2018 16:02

Lab File ID: 7_31-192.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.37	2.34	2.40
PCB-1016 Peak 2	2.48	2.45	2.51
PCB-1016 Peak 3	2.56	2.53	2.59
PCB-1016 Peak 4	2.83	2.80	2.86
PCB-1016 Peak 5	2.93	2.90	2.96
PCB-1260 Peak 1	3.75	3.72	3.78
PCB-1260 Peak 2	4.17	4.14	4.20
PCB-1260 Peak 3	4.47	4.44	4.50
PCB-1260 Peak 4	4.62	4.59	4.65
PCB-1260 Peak 5	4.94	4.91	4.97

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-192.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 19-Nov-2018 18:22:57 ALS Bottle#: 0 Worklist Smp#: 32
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 20-Nov-2018 09:21:27 Calib Date: 17-Sep-2018 16:57:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-062.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: CTX0319

First Level Reviewer: thongjanw Date: 20-Nov-2018 09:21:27

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							s
1	1.073	1.073	0.001	12410096	0.5000	0.5000	
2	0.916	0.914	0.002	35502493	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.949	1.948	0.001	486670	0.0125	0.0161	
2	1.438	1.436	0.002	1215529	0.0125	0.0142	
						RPD = 12.33	
9 PCB-1016							M
1	2.871	2.868	0.003	1315288	0.5000	0.4981	M
1	2.954	2.952	0.002	496312	0.5000	0.5471	M
1	3.016	3.014	0.002	341627	0.5000	0.4886	M
1	3.135	3.134	0.001	288035	0.5000	0.5882	M
1	3.409	3.408	0.001	438139	0.5000	0.4868	M
		Average of Peak Amounts =				0.5218	
2	2.372	2.372	0.000	3361003	0.5000	0.5429	M
2	2.475	2.475	0.000	1294473	0.5000	0.4565	M
2	2.562	2.562	0.000	864199	0.5000	0.5801	M
2	2.828	2.828	0.000	1512750	0.5000	0.4603	M
2	2.925	2.925	0.000	1175381	0.5000	0.5536	M
		Average of Peak Amounts =				0.5187	
						RPD = 0.59	
2 1260 Res 1							M
1	4.124	4.123	0.002	244200	NC	NC	M
2	4.168	4.168	0.001	1903521	NC	NC	
4 1260 Res 2							M
1	4.225	4.224	0.001	318043	NC	NC	M
2	4.222	4.221	0.001	1425719	NC	NC	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.319	4.318	0.001	654693	0.5000	0.4081	M
1	4.503	4.502	0.001	797124	0.5000	0.4435	M
1	4.729	4.728	0.001	1023569	0.5000	0.4979	M
1	5.049	5.049	0.000	510984	0.5000	0.5627	M
1	5.254	5.256	-0.002	1199339	0.5000	0.5587	M
		Average of Peak Amounts =				0.4942	
2	3.753	3.753	0.000	1897347	0.5000	0.4959	M
2	4.168	4.168	0.000	1903521	0.5000	0.4665	
2	4.471	4.471	0.000	1628546	0.5000	0.5644	
2	4.618	4.619	-0.001	3535679	0.5000	0.6173	
2	4.938	4.939	-0.001	2146254	0.5000	0.5507	
		Average of Peak Amounts =				0.5389	
						RPD = 8.66	
3 1260 Res 3							M
1	4.453	4.453	0.000	108826	NC	NC	M
2	4.471	4.471	0.000	1628546	NC	NC	
$ 15 DCB Decachlorobiphenyl							
1	6.829	6.826	0.003	261752	0.0125	0.0138	
2	5.874	5.875	-0.001	579120	0.0125	0.0168	
						RPD = 19.66	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- s - Failed ISTD Recovery Test

Review Flags
- M - Manually Integrated

Reagents:

1660sur/is0.5_00044 Amount Added: 1.00 Units: mL

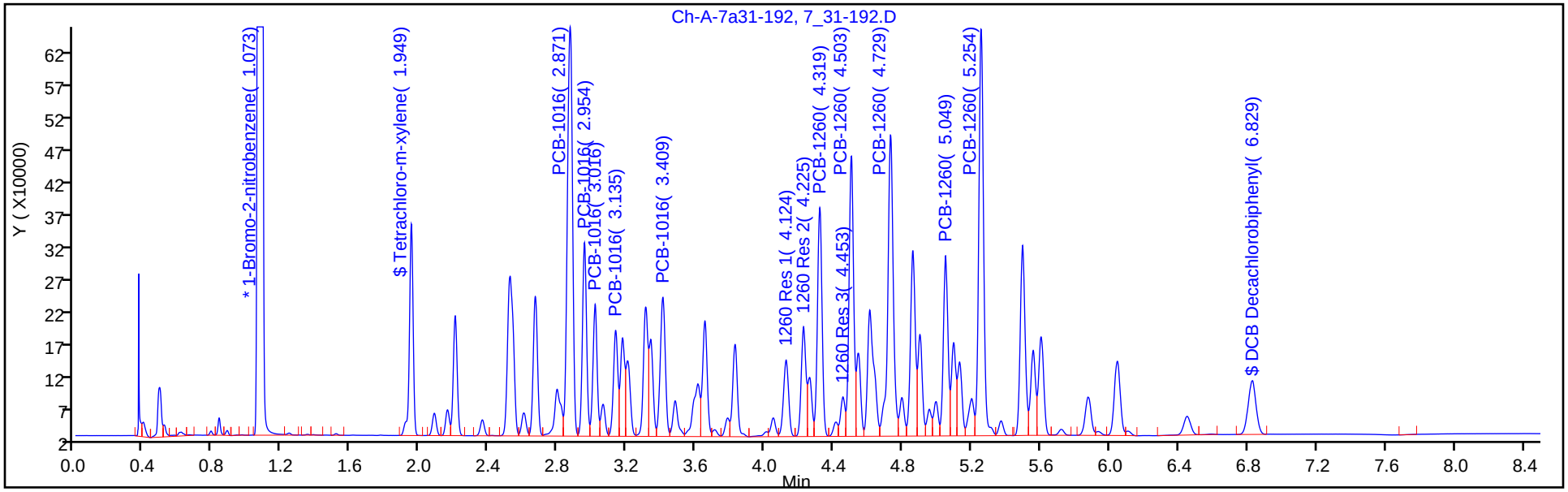
Report Date: 20-Nov-2018 09:21:28 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

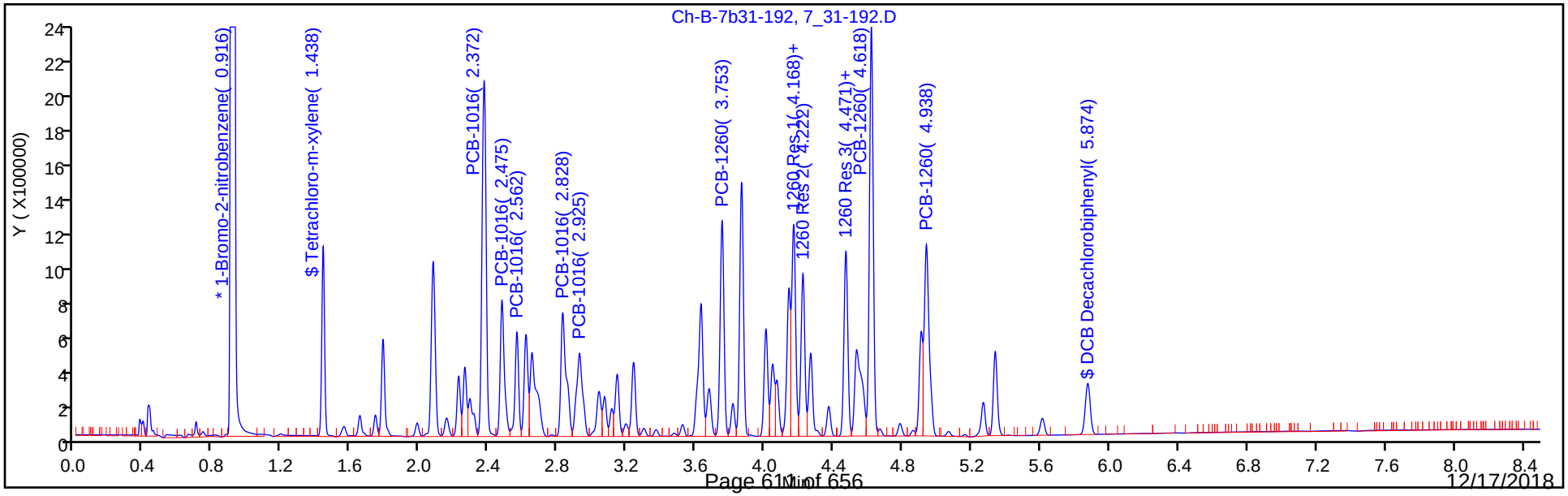
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-192.D

Injection Date:	19-Nov-2018 18:22:57	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	32
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Report Date: 20-Nov-2018 09:21:28 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-192.D

Injection Date: 19-Nov-2018 18:22:57 Instrument ID: HP6890-7

Lims ID: CCV

Client ID:

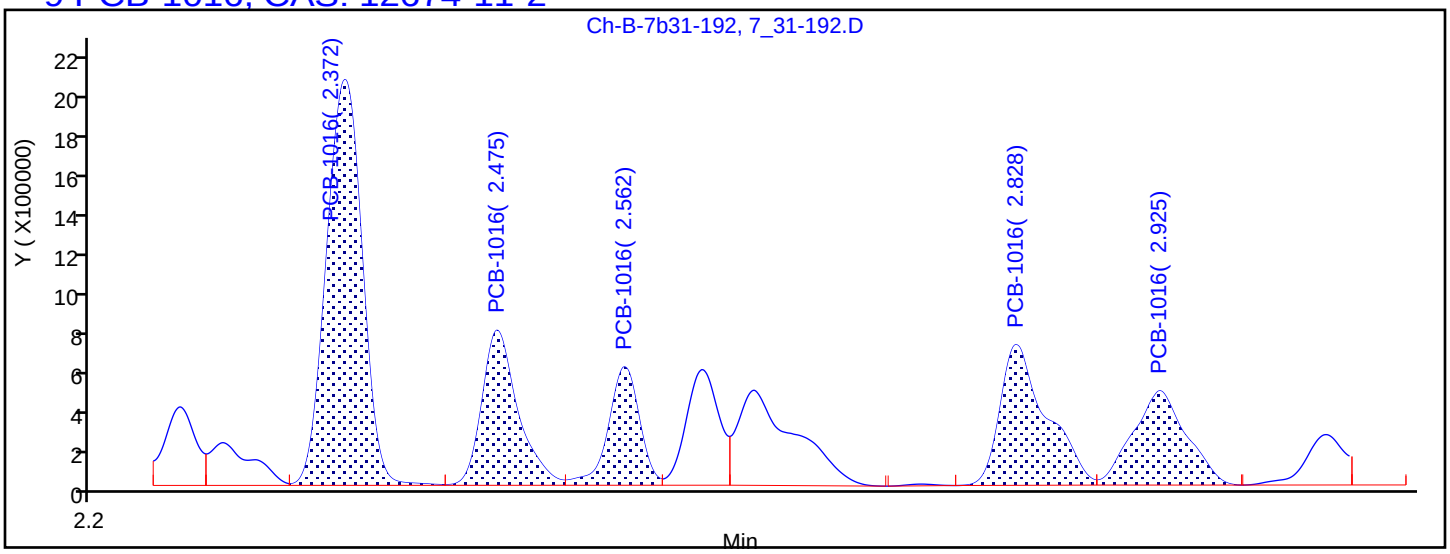
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 32

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

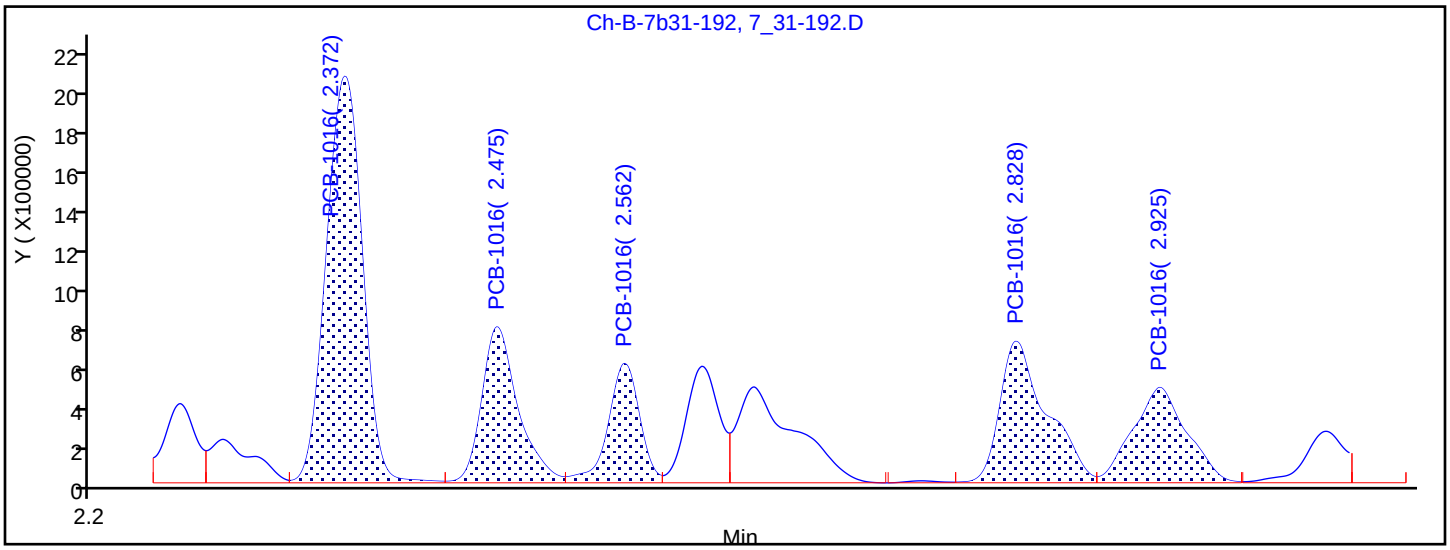
Column: Detector Ch-B-7b136

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.372	Response = 3337737
2.475	Response = 1275400
2.562	Response = 847979
2.828	Response = 1491441
2.925	Response = 1147185



Manual Integration Results

2.372	Response = 3361003	M
2.475	Response = 1294473	M
2.562	Response = 864199	M
2.828	Response = 1512750	M
2.925	Response = 1175381	M

Reviewer: thongjanw, 20-Nov-2018 09:21:13

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 20-Nov-2018 09:21:29 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-192.D

Injection Date: 19-Nov-2018 18:22:57 Instrument ID: HP6890-7

Lims ID: CCV

Client ID:

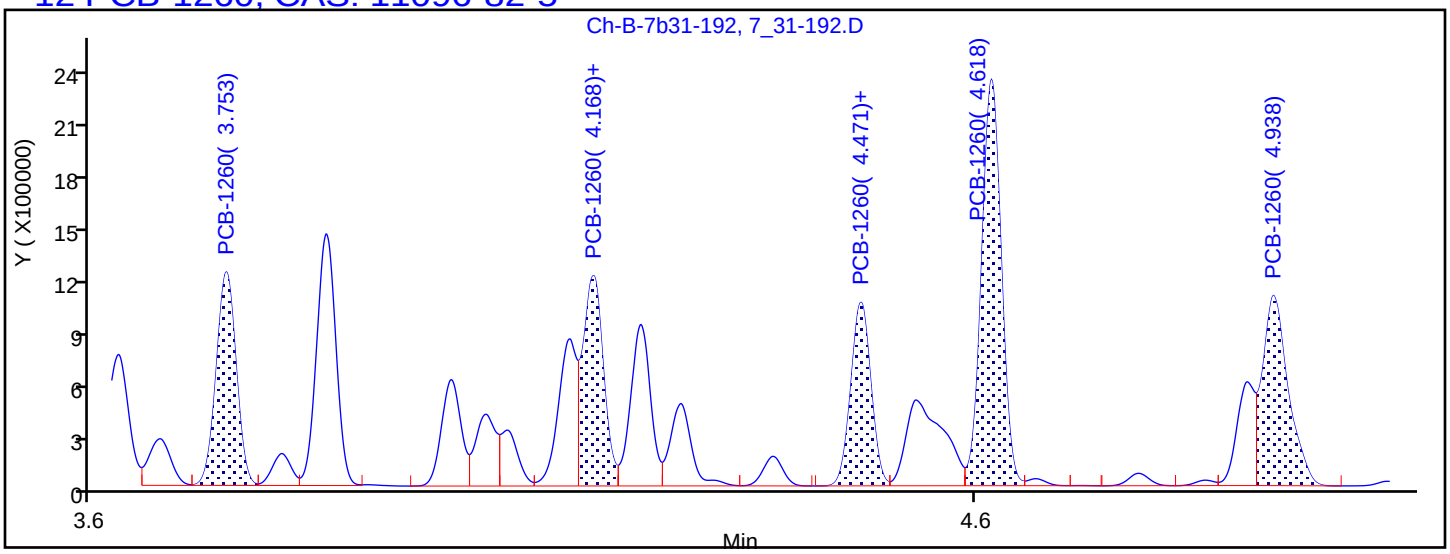
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 32

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

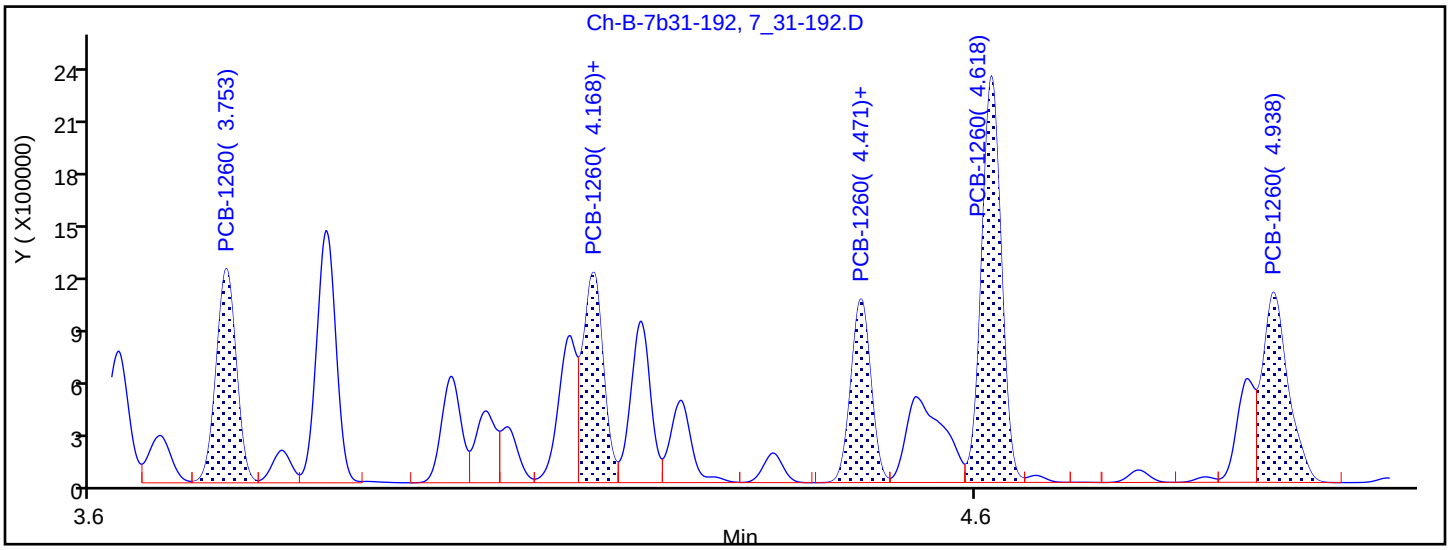
Column: Detector Ch-B-7b136

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

3.753	Response = 1879345
4.168	Response = 1903521
4.471	Response = 1628546
4.618	Response = 3535679
4.938	Response = 2146254



Manual Integration Results

3.753	Response = 1897347	M
4.168	Response = 1903521	
4.471	Response = 1628546	
4.618	Response = 3535679	
4.938	Response = 2146254	

Reviewer: thongjanw, 20-Nov-2018 09:21:13

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Lab Sample ID: CCV 480-446375/32 Calibration Date: 11/19/2018 18:22

Instrument ID: HP6890-7 Calib Start Date: 09/17/2018 15:22

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 09/17/2018 16:42

Lab File ID: 7_31-192.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrachloro-m-xylene	Lin1		1.370		0.0142	0.0125	13.6	20.0
DCB Decachlorobiphenyl	Lin1		0.6525		0.0168	0.0125	34.2*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Lab Sample ID: CCV 480-446375/32 Calibration Date: 11/19/2018 18:22

Instrument ID: HP6890-7 Calib Start Date: 09/17/2018 15:22

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 09/17/2018 16:42

Lab File ID: 7_31-192.D

Analyte	RT	RT WINDOW	
		FROM	TO
Tetrachloro-m-xylene	1.44	1.41	1.47
DCB Decachlorobiphenyl	5.87	5.85	5.91

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-192.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 19-Nov-2018 18:22:57 ALS Bottle#: 0 Worklist Smp#: 32
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7
Sublist: chrom-7-IS PCB*sub6

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 20-Nov-2018 09:21:27 Calib Date: 17-Sep-2018 16:57:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-062.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: CTX0319

First Level Reviewer: thongjanw Date: 20-Nov-2018 09:21:27

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1-Bromo-2-nitrobenzene							s
1	1.073	1.073	0.001	12410096	0.5000	0.5000	
2	0.916	0.914	0.002	35502493	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.949	1.948	0.001	486670	0.0125	0.0161	
2	1.438	1.436	0.002	1215529	0.0125	0.0142	
						RPD = 12.33	
9 PCB-1016							M
1	2.871	2.868	0.003	1315288	0.5000	0.4981	M
1	2.954	2.952	0.002	496312	0.5000	0.5471	M
1	3.016	3.014	0.002	341627	0.5000	0.4886	M
1	3.135	3.134	0.001	288035	0.5000	0.5882	M
1	3.409	3.408	0.001	438139	0.5000	0.4868	M
		Average of Peak Amounts =				0.5218	
2	2.372	2.372	0.000	3361003	0.5000	0.5429	M
2	2.475	2.475	0.000	1294473	0.5000	0.4565	M
2	2.562	2.562	0.000	864199	0.5000	0.5801	M
2	2.828	2.828	0.000	1512750	0.5000	0.4603	M
2	2.925	2.925	0.000	1175381	0.5000	0.5536	M
		Average of Peak Amounts =				0.5187	
						RPD = 0.59	
2 1260 Res 1							M
1	4.124	4.123	0.002	244200	NC	NC	M
2	4.168	4.168	0.001	1903521	NC	NC	
4 1260 Res 2							M
1	4.225	4.224	0.001	318043	NC	NC	M
2	4.222	4.221	0.001	1425719	NC	NC	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.319	4.318	0.001	654693	0.5000	0.4081	M
1	4.503	4.502	0.001	797124	0.5000	0.4435	M
1	4.729	4.728	0.001	1023569	0.5000	0.4979	M
1	5.049	5.049	0.000	510984	0.5000	0.5627	M
1	5.254	5.256	-0.002	1199339	0.5000	0.5587	M
		Average of Peak Amounts =				0.4942	
2	3.753	3.753	0.000	1897347	0.5000	0.4959	M
2	4.168	4.168	0.000	1903521	0.5000	0.4665	
2	4.471	4.471	0.000	1628546	0.5000	0.5644	
2	4.618	4.619	-0.001	3535679	0.5000	0.6173	
2	4.938	4.939	-0.001	2146254	0.5000	0.5507	
		Average of Peak Amounts =				0.5389	
						RPD = 8.66	
3 1260 Res 3							M
1	4.453	4.453	0.000	108826	NC	NC	M
2	4.471	4.471	0.000	1628546	NC	NC	
$ 15 DCB Decachlorobiphenyl							
1	6.829	6.826	0.003	261752	0.0125	0.0138	
2	5.874	5.875	-0.001	579120	0.0125	0.0168	
						RPD = 19.66	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- s - Failed ISTD Recovery Test

Review Flags
- M - Manually Integrated

Reagents:

1660sur/is0.5_00044 Amount Added: 1.00 Units: mL

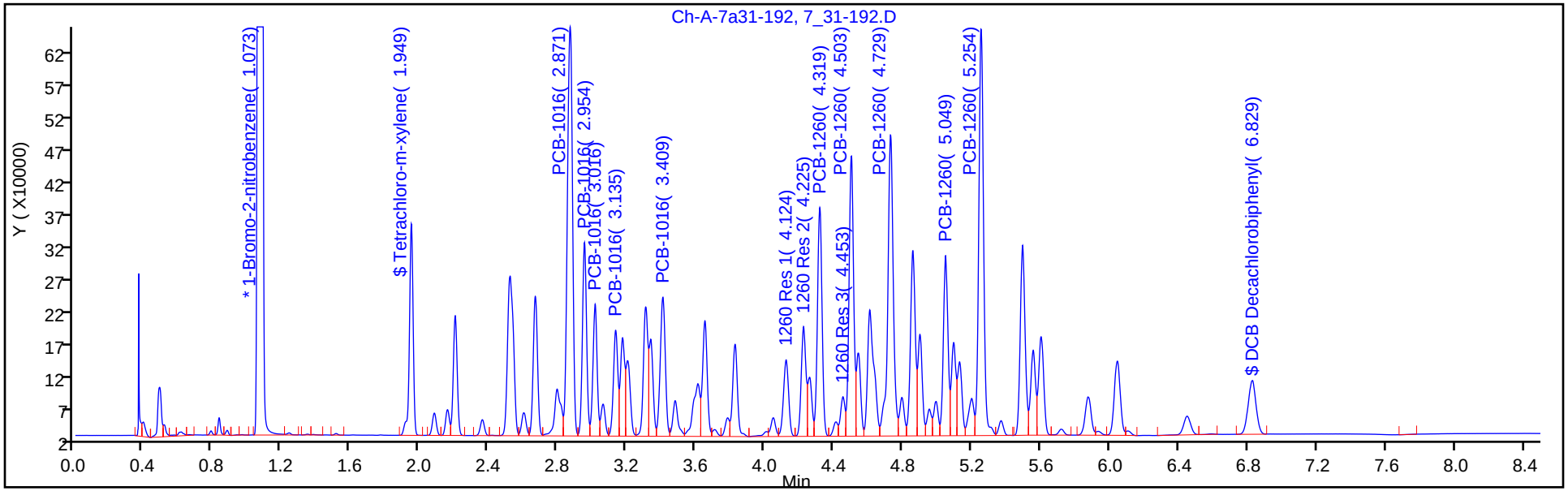
Report Date: 20-Nov-2018 09:21:28 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

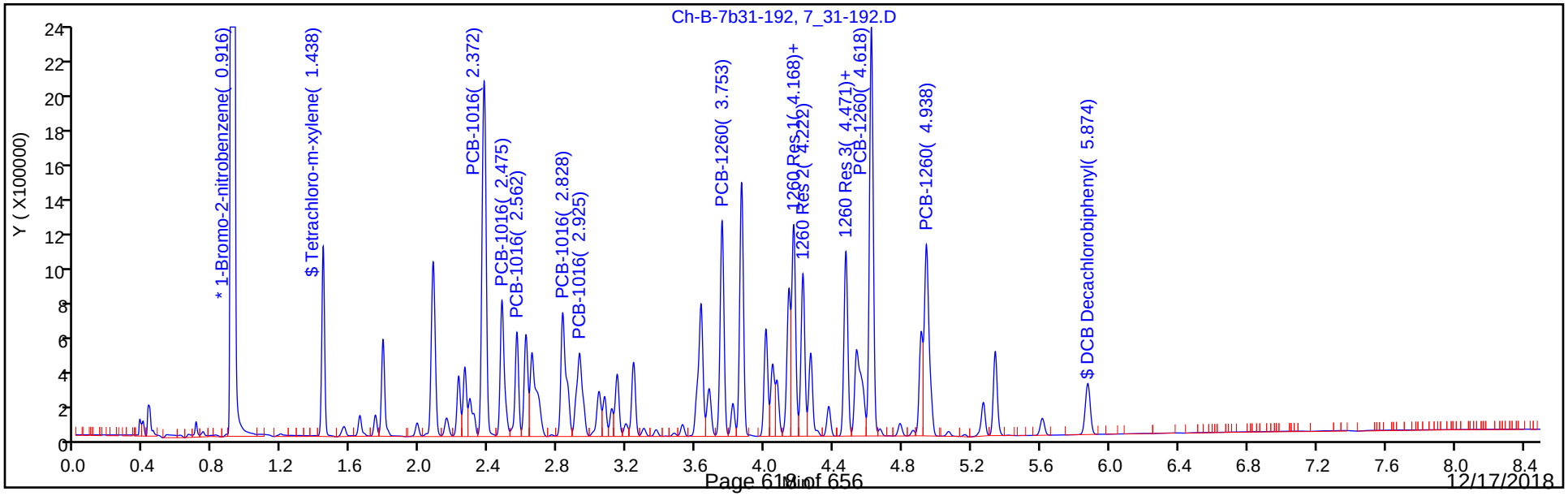
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-192.D

Injection Date:	19-Nov-2018 18:22:57	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	CCV			Worklist Smp#:	32
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-145287-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-446128/1-A

Matrix: Solid | Lab File ID: 7_31-196.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3550C | Date Extracted: 11/16/2018 14:27

Sample wt/vol: 2.04(g) | Date Analyzed: 11/19/2018 19:26

Con. Extract Vol.: 10(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.: 446375 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
11104-28-2	PCB-1221	ND		250	48
53469-21-9	PCB-1242	ND		250	48
11097-69-1	PCB-1254	ND		250	110
11096-82-5	PCB-1260	ND		250	110
12674-11-2	PCB-1016	ND		250	48
12672-29-6	PCB-1248	ND		250	48
11141-16-5	PCB-1232	ND		250	48
37324-23-5	PCB-1262	ND		250	110
11100-14-4	PCB-1268	ND		250	110

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	179	X	60-154
2051-24-3	DCB Decachlorobiphenyl	163		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-196.D
Lims ID: MB 480-446128/1-A
Client ID:
Sample Type: MB
Inject. Date: 19-Nov-2018 19:26:41 ALS Bottle#: 0 Worklist Smp#: 36
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 20-Nov-2018 09:30:02 Calib Date: 17-Sep-2018 16:57:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-062.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: CTX0319

First Level Reviewer: thongjanw Date: 20-Nov-2018 09:30:02

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	1.074	1.073	0.002	9420172	0.5000	0.5000	
2	0.915	0.914	0.001	28015813	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.950	1.948	0.002	814068	0.0200	0.0358	
2	1.438	1.436	0.002	1878616	0.0200	0.0284	
						RPD = 23.29	
4 1260 Res 2							
1	4.234	4.234	0.010	971		NC	
2	4.204	4.232	-0.017	12695		NC	
3 1260 Res 3							
1	4.465	4.464	0.012	988		NC	
2	4.468	4.483	-0.003	3769		NC	
$ 15 DCB Decachlorobiphenyl							
1	6.832	6.826	0.006	465017	0.0200	0.0326	
2	5.873	5.875	-0.002	1051739	0.0200	0.0398	
						RPD = 20.01	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

PCB IS 1B2NB_00052 Amount Added: 10.00 Units: uL Run Reagent

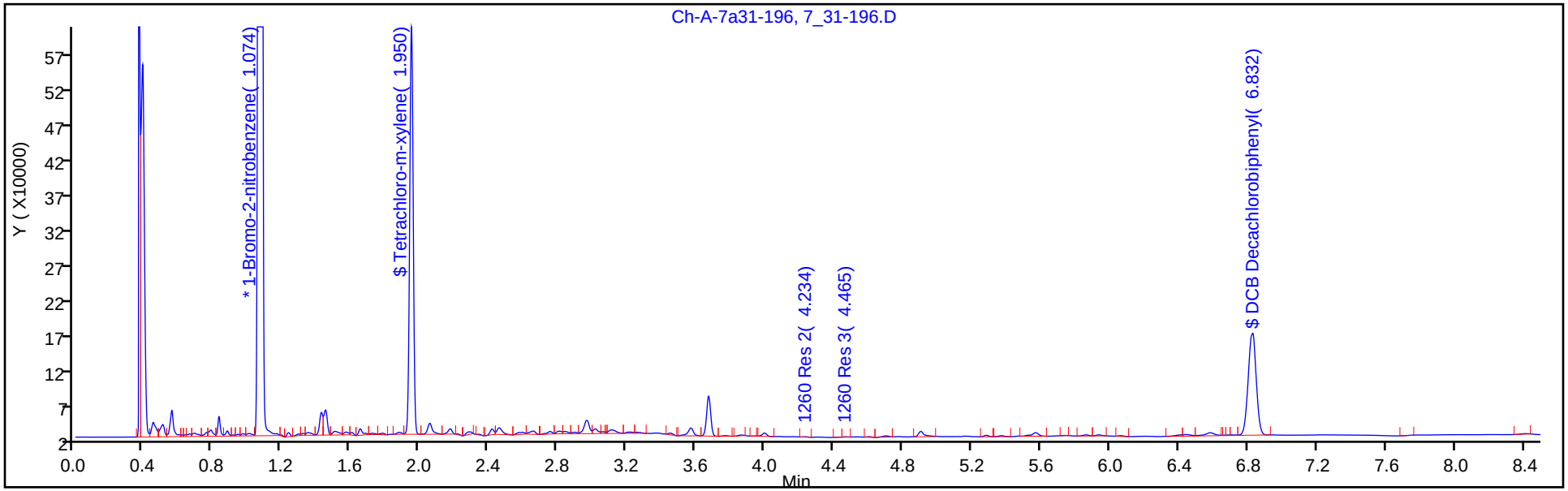
Report Date: 20-Nov-2018 09:30:03 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

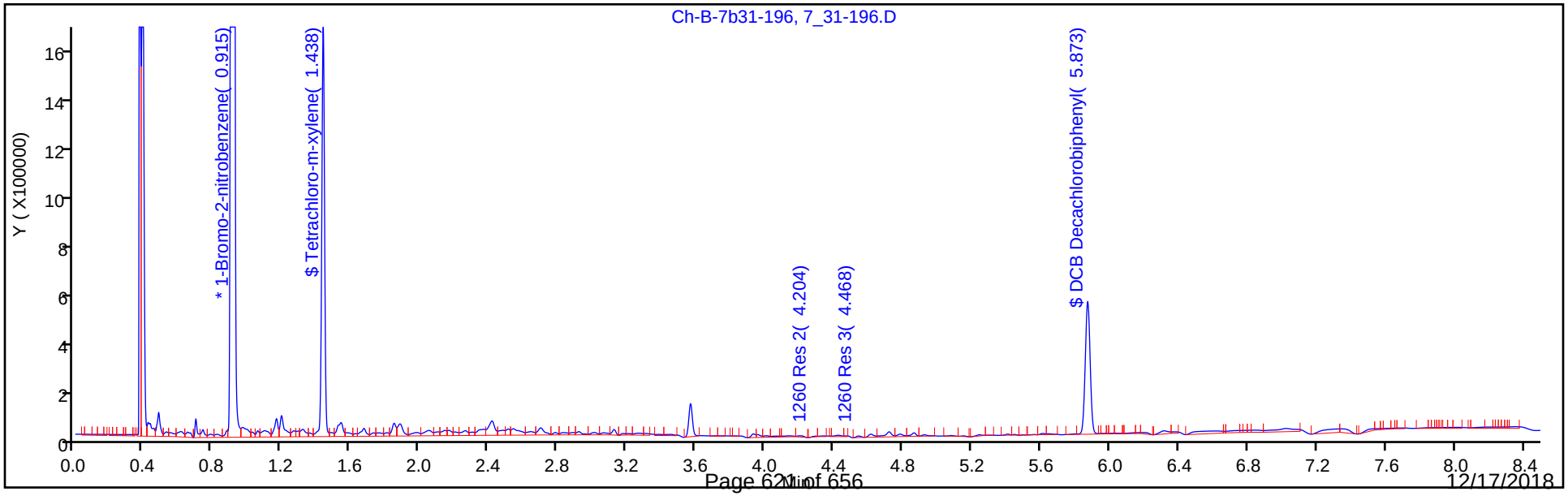
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-196.D

Injection Date:	19-Nov-2018 19:26:41	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	MB 480-446128/1-A			Worklist Smp#:	36
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-145287-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-446128/1-A

Matrix: Solid | Lab File ID: 7_31-196.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3550C | Date Extracted: 11/16/2018 14:27

Sample wt/vol: 2.04(g) | Date Analyzed: 11/19/2018 19:26

Con. Extract Vol.: 10(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.: 446375 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	142		60-154
2051-24-3	DCB Decachlorobiphenyl	199	X	65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-196.D
Lims ID: MB 480-446128/1-A
Client ID:
Sample Type: MB
Inject. Date: 19-Nov-2018 19:26:41 ALS Bottle#: 0 Worklist Smp#: 36
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 20-Nov-2018 09:30:02 Calib Date: 17-Sep-2018 16:57:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-062.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: CTX0319

First Level Reviewer: thongjanw Date: 20-Nov-2018 09:30:02

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	1.074	1.073	0.002	9420172	0.5000	0.5000	
2	0.915	0.914	0.001	28015813	0.5000	0.5000	
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							
1	1.950	1.948	0.002	814068	0.0200	0.0358	
2	1.438	1.436	0.002	1878616	0.0200	0.0284	
						RPD = 23.29	
4 1260 Res 2							
1	4.234	4.234	0.010	971		NC	
2	4.204	4.232	-0.017	12695		NC	
3 1260 Res 3							
1	4.465	4.464	0.012	988		NC	
2	4.468	4.483	-0.003	3769		NC	
$ 15 DCB Decachlorobiphenyl							
1	6.832	6.826	0.006	465017	0.0200	0.0326	
2	5.873	5.875	-0.002	1051739	0.0200	0.0398	
						RPD = 20.01	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

PCB IS 1B2NB_00052 Amount Added: 10.00 Units: uL Run Reagent

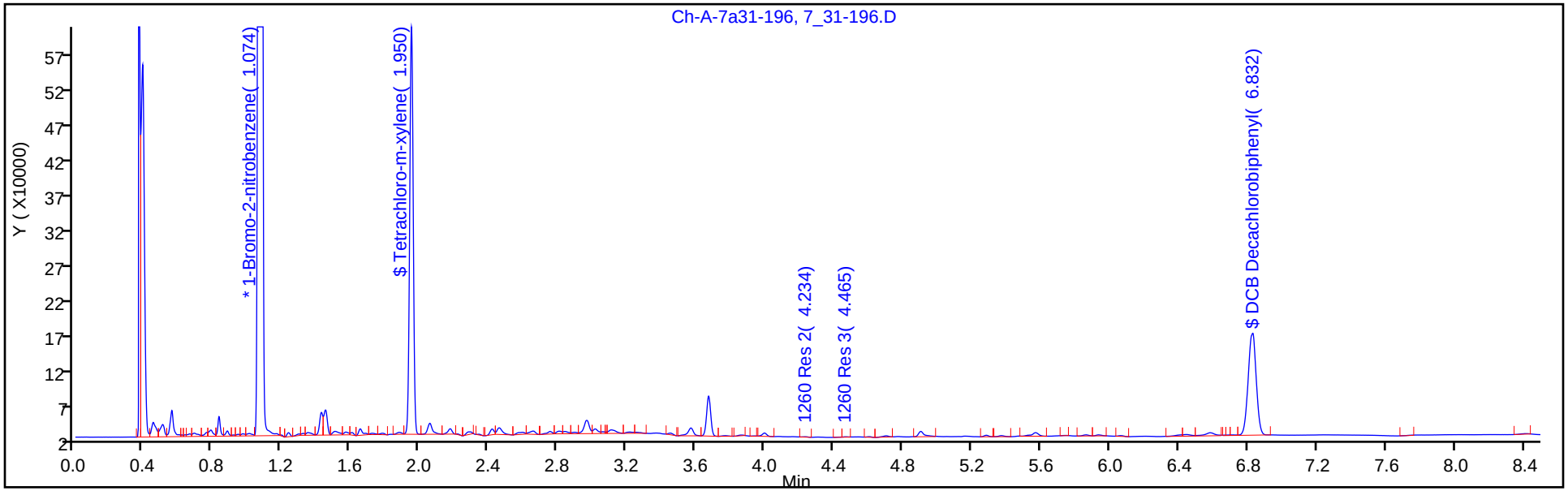
Report Date: 20-Nov-2018 09:30:03 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

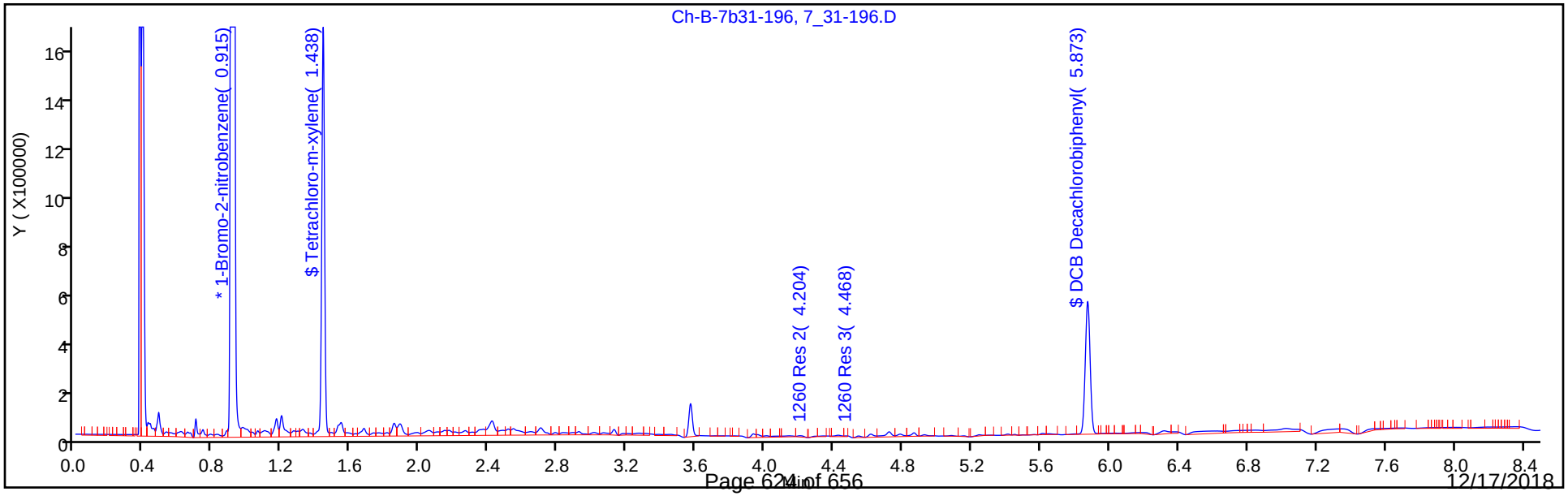
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-196.D

Injection Date:	19-Nov-2018 19:26:41	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	MB 480-446128/1-A			Worklist Smp#:	36
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-145287-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-446128/2-A

Matrix: Solid | Lab File ID: 7_31-197.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3550C | Date Extracted: 11/16/2018 14:27

Sample wt/vol: 2.15(g) | Date Analyzed: 11/19/2018 19:42

Con. Extract Vol.: 10(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.: 446375 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
11096-82-5	PCB-1260	3390		230	110
12674-11-2	PCB-1016	3480		230	45

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	197	X	60-154
2051-24-3	DCB Decachlorobiphenyl	172		65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-197.D
Lims ID: LCS 480-446128/2-A
Client ID:
Sample Type: LCS
Inject. Date: 19-Nov-2018 19:42:34 ALS Bottle#: 0 Worklist Smp#: 37
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 20-Nov-2018 09:32:49 Calib Date: 17-Sep-2018 16:57:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-062.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: CTX0319

First Level Reviewer: thongjanw Date: 20-Nov-2018 09:32:49

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	1.073	1.073	0.001	10740184	0.5000	0.5000	
2	0.915	0.914	0.001	31785725	0.5000	0.5000	M
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.950	1.948	0.002	1021425	0.0200	0.0395	M
2	1.438	1.436	0.002	2256741	0.0200	0.0301	M
						RPD = 27.07	
9 PCB-1016							M
1	2.871	2.868	0.003	1578433	0.5000	0.6907	M
1	2.954	2.952	0.002	606408	0.5000	0.7814	M
1	3.016	3.014	0.002	417980	0.5000	0.6907	M
1	3.135	3.134	0.001	370318	0.5000	0.8947	M
1	3.410	3.408	0.002	534925	0.5000	0.6868	M
		Average of Peak Amounts =				0.7489	
2	2.372	2.372	0.000	3971388	0.5000	0.7166	M
2	2.475	2.475	0.000	1496680	0.5000	0.5895	M
2	2.561	2.562	-0.001	998626	0.5000	0.7564	M
2	2.828	2.828	0.000	1701947	0.5000	0.5784	M
2	2.925	2.925	0.000	1367576	0.5000	0.7251	M
		Average of Peak Amounts =				0.6732	
						RPD = 10.64	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.319	4.318	0.001	814709	0.5000	0.5869	M
1	4.502	4.502	0.000	1022390	0.5000	0.6573	M
1	4.732	4.728	0.004	1367971	0.5000	0.7808	M
1	5.049	5.049	0.000	623251	0.5000	0.8002	M
1	5.255	5.256	-0.001	1514879	0.5000	0.8236	M
		Average of Peak Amounts =				0.7298	
2	3.752	3.753	0.000	2373465	0.5000	0.6929	M
2	4.167	4.168	-0.001	2566833	0.5000	0.7026	M
2	4.471	4.471	0.000	1966359	0.5000	0.7612	M
2	4.618	4.619	-0.001	4210051	0.5000	0.8210	M
2	4.938	4.939	-0.001	2668017	0.5000	0.7646	M
		Average of Peak Amounts =				0.7484	
						RPD = 2.52	
$ 15 DCB Decachlorobiphenyl							M
1	6.826	6.826	0.000	558514	0.0200	0.0343	
2	5.873	5.875	-0.003	1276029	0.0200	0.0426	M
						RPD = 21.60	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

PCB IS 1B2NB_00052 Amount Added: 10.00 Units: uL Run Reagent

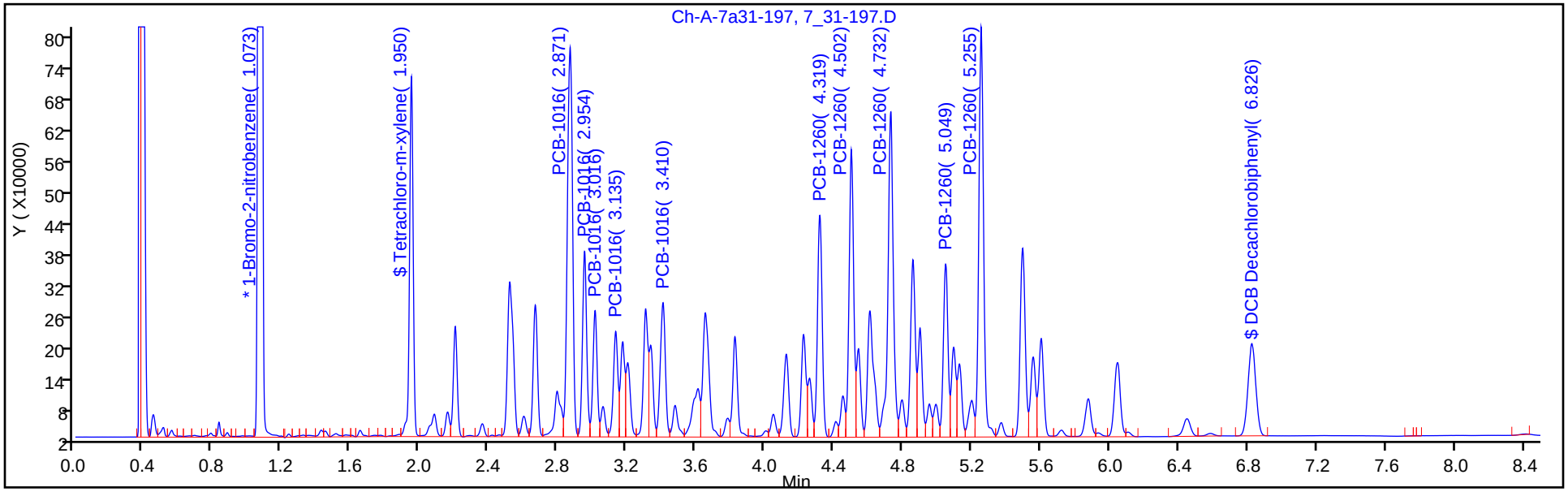
Report Date: 20-Nov-2018 09:32:49 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

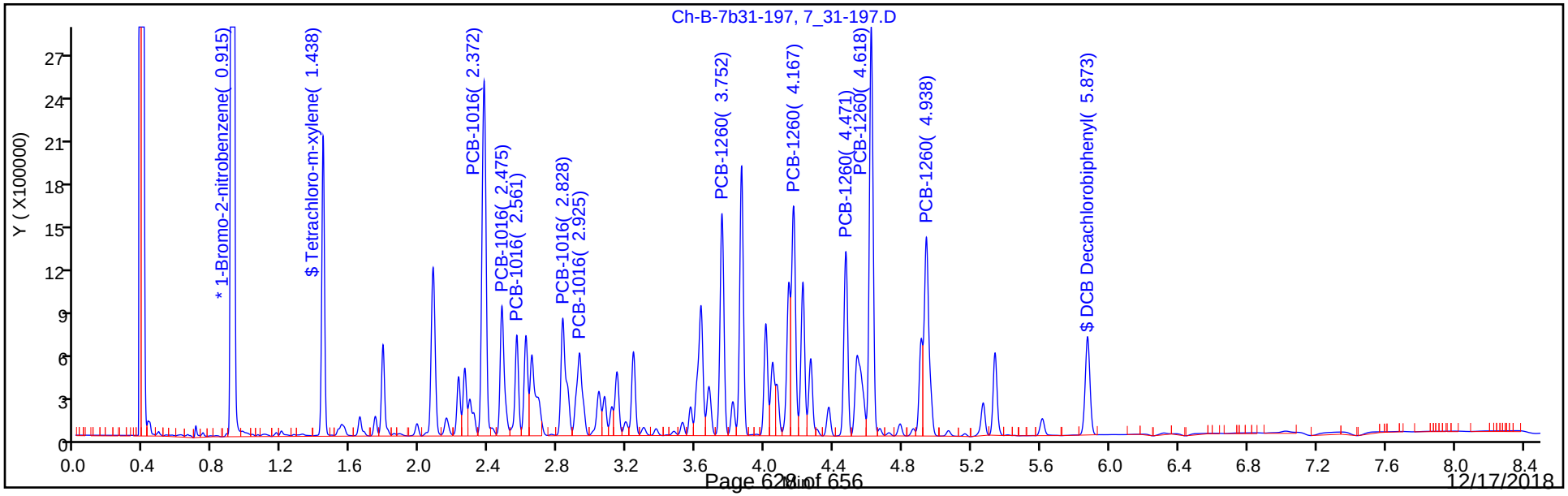
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-197.D

Injection Date:	19-Nov-2018 19:42:34	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	LCS 480-446128/2-A			Worklist Smp#:	37
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

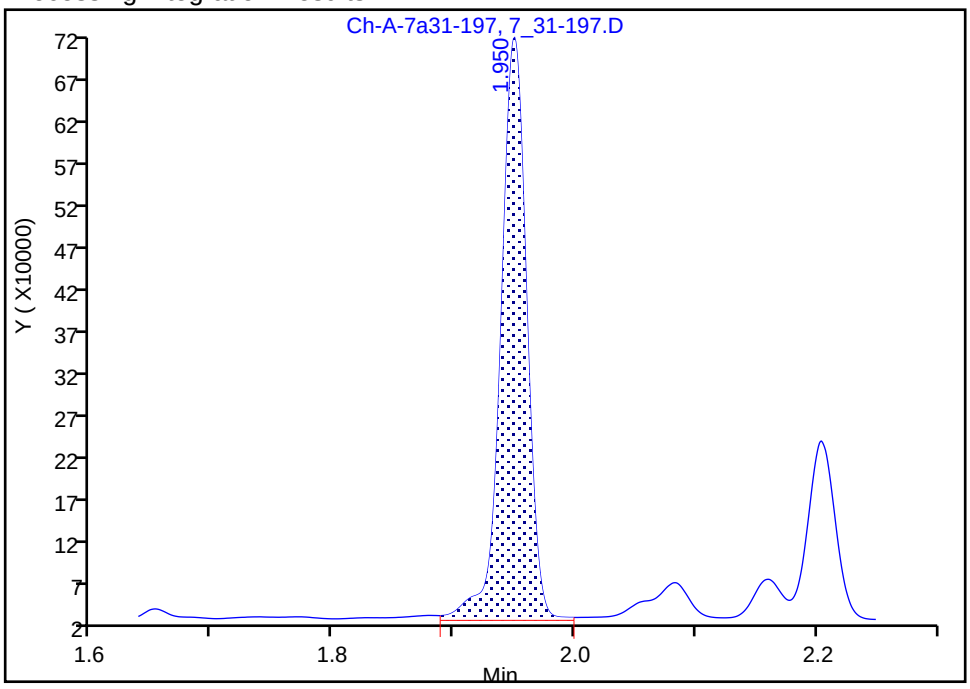
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-197.D
Injection Date: 19-Nov-2018 19:42:34 Instrument ID: HP6890-7
Lims ID: LCS 480-446128/2-A
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 37
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-A-7A136

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 1

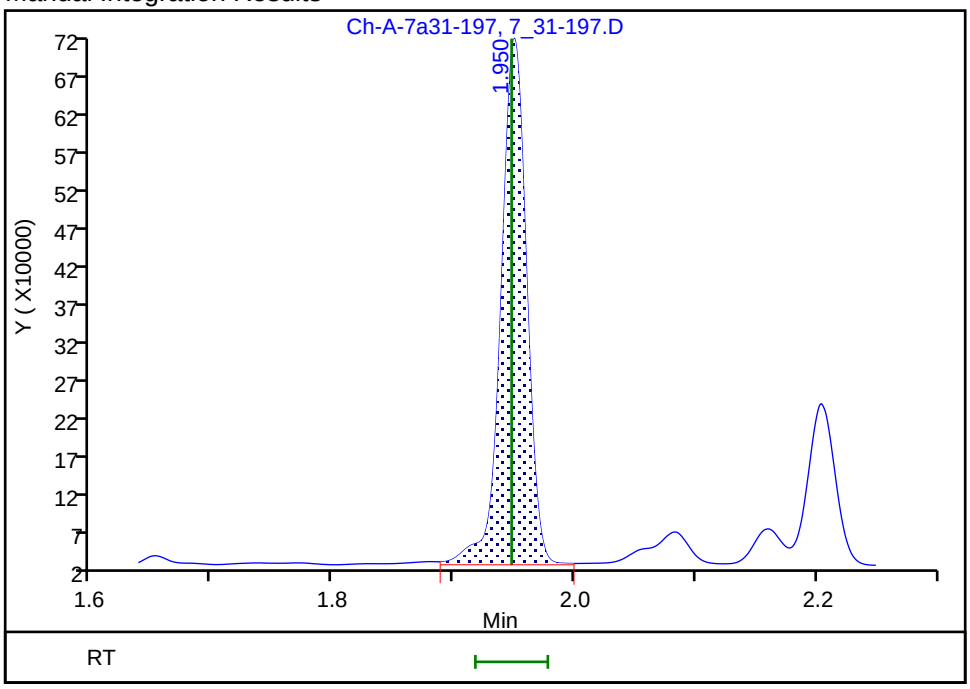
Processing Integration Results

RT: 1.95
Area: 1032764
Amount: 0.039902
Amount Units: ng/uL



Manual Integration Results

RT: 1.95
Area: 1021425
Amount: 0.039460
Amount Units: ng/uL



Reviewer: thongjanw, 20-Nov-2018 09:32:13
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 20-Nov-2018 09:32:50 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-197.D

Injection Date: 19-Nov-2018 19:42:34 Instrument ID: HP6890-7

Lims ID: LCS 480-446128/2-A

Client ID:

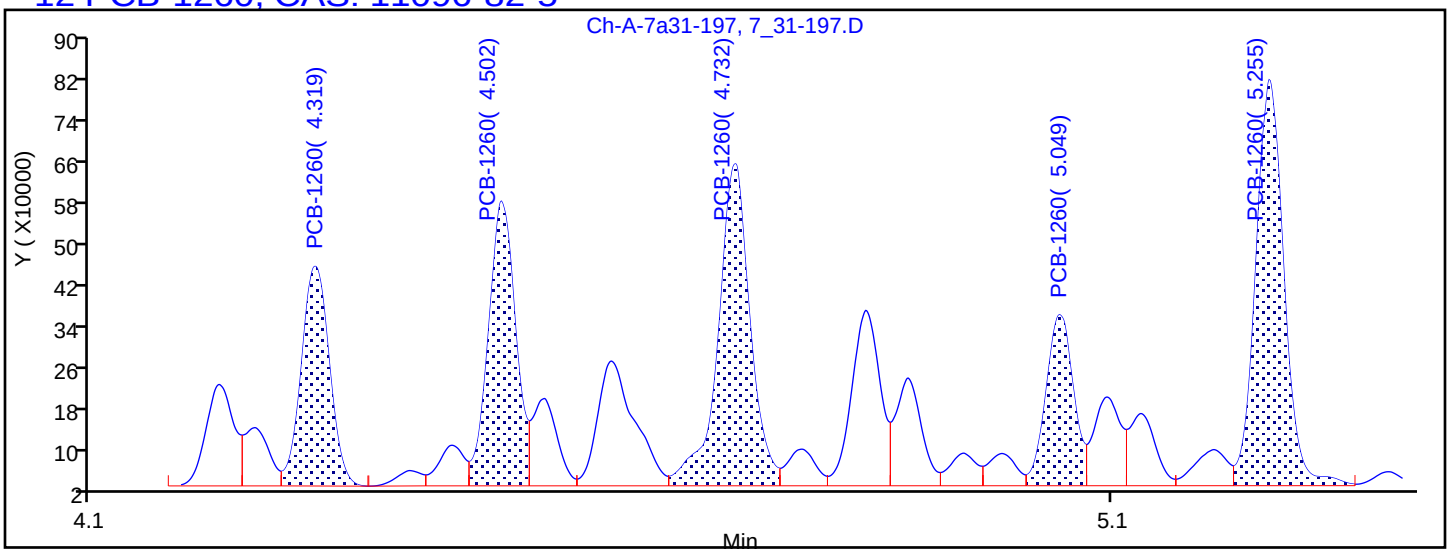
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 37

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

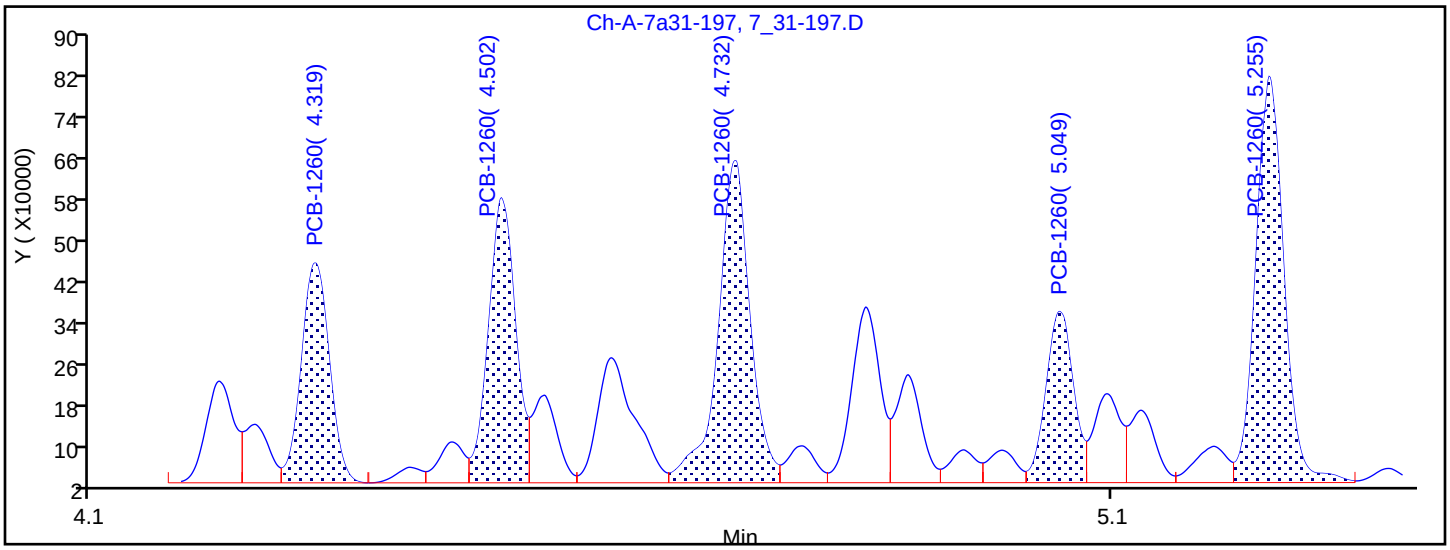
Column: Detector Ch-A-7A136

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

4.319	Response = 813620
4.502	Response = 1020587
4.732	Response = 1364922
5.049	Response = 621826
5.255	Response = 1512330



Manual Integration Results

4.319	Response = 814709	M
4.502	Response = 1022390	M
4.732	Response = 1367971	M
5.049	Response = 623251	M
5.255	Response = 1514879	M

Reviewer: thongjanw, 20-Nov-2018 09:32:13

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Report Date: 20-Nov-2018 09:32:49 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-197.D

Injection Date: 19-Nov-2018 19:42:34 Instrument ID: HP6890-7

Lims ID: LCS 480-446128/2-A

Client ID:

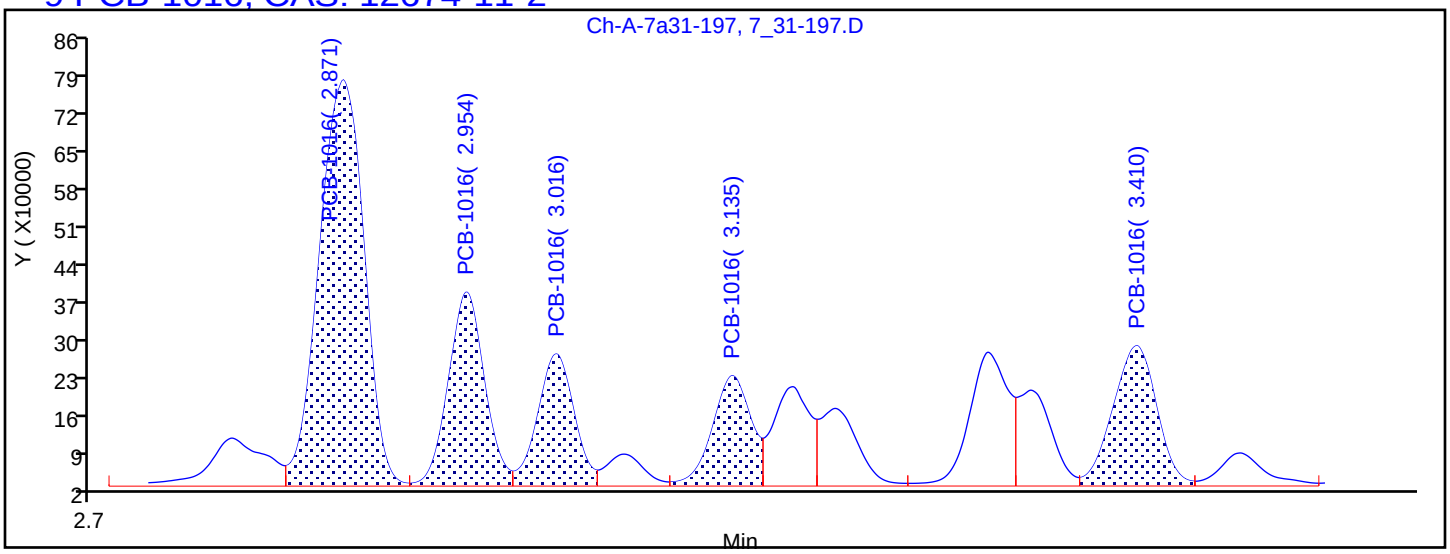
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 37

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

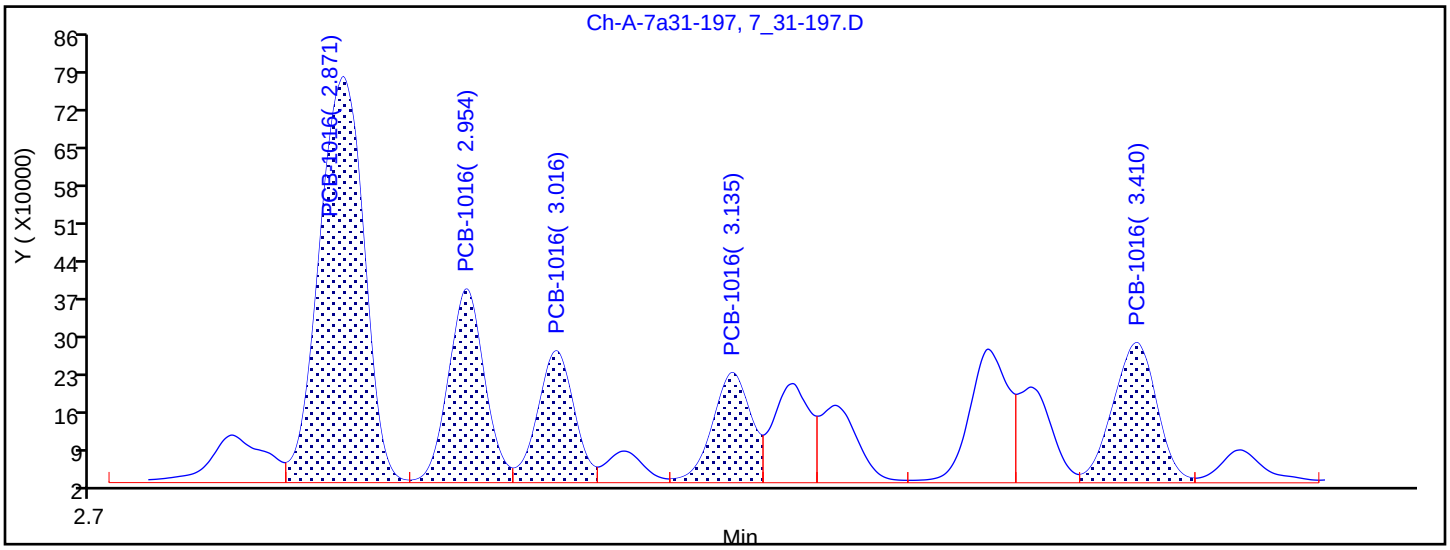
Column: Detector Ch-A-7A136

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.871	Response = 1582723
2.954	Response = 609678
3.016	Response = 420462
3.135	Response = 372672
3.410	Response = 536598



Manual Integration Results

2.871	Response = 1578433	M
2.954	Response = 606408	M
3.016	Response = 417980	M
3.135	Response = 370318	M
3.410	Response = 534925	M

Reviewer: thongjanw, 20-Nov-2018 09:32:13

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-145287-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-446128/2-A

Matrix: Solid | Lab File ID: 7_31-197.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3550C | Date Extracted: 11/16/2018 14:27

Sample wt/vol: 2.15(g) | Date Analyzed: 11/19/2018 19:42

Con. Extract Vol.: 10(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.: 446375 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	150		60-154
2051-24-3	DCB Decachlorobiphenyl	213	X	65-174

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-197.D
Lims ID: LCS 480-446128/2-A
Client ID:
Sample Type: LCS
Inject. Date: 19-Nov-2018 19:42:34 ALS Bottle#: 0 Worklist Smp#: 37
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: BufTCHROM Instrument ID: HP6890-7

Method: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7-IS PCB.m
Limit Group: GC - 8082A PCB IS ICAL
Last Update: 20-Nov-2018 09:32:49 Calib Date: 17-Sep-2018 16:57:59
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Buffalo\ChromData\HP6890-07\20180917-74716.b\7_26-062.D

Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: CTX0319

First Level Reviewer: thongjanw Date: 20-Nov-2018 09:32:49

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	1.073	1.073	0.001	10740184	0.5000	0.5000	
2	0.915	0.914	0.001	31785725	0.5000	0.5000	M
						RPD = 0.00	
$ 6 Tetrachloro-m-xylene							M
1	1.950	1.948	0.002	1021425	0.0200	0.0395	M
2	1.438	1.436	0.002	2256741	0.0200	0.0301	M
						RPD = 27.07	
9 PCB-1016							M
1	2.871	2.868	0.003	1578433	0.5000	0.6907	M
1	2.954	2.952	0.002	606408	0.5000	0.7814	M
1	3.016	3.014	0.002	417980	0.5000	0.6907	M
1	3.135	3.134	0.001	370318	0.5000	0.8947	M
1	3.410	3.408	0.002	534925	0.5000	0.6868	M
		Average of Peak Amounts =				0.7489	
2	2.372	2.372	0.000	3971388	0.5000	0.7166	M
2	2.475	2.475	0.000	1496680	0.5000	0.5895	M
2	2.561	2.562	-0.001	998626	0.5000	0.7564	M
2	2.828	2.828	0.000	1701947	0.5000	0.5784	M
2	2.925	2.925	0.000	1367576	0.5000	0.7251	M
		Average of Peak Amounts =				0.6732	
						RPD = 10.64	

Col	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
12 PCB-1260							M
1	4.319	4.318	0.001	814709	0.5000	0.5869	M
1	4.502	4.502	0.000	1022390	0.5000	0.6573	M
1	4.732	4.728	0.004	1367971	0.5000	0.7808	M
1	5.049	5.049	0.000	623251	0.5000	0.8002	M
1	5.255	5.256	-0.001	1514879	0.5000	0.8236	M
		Average of Peak Amounts =				0.7298	
2	3.752	3.753	0.000	2373465	0.5000	0.6929	M
2	4.167	4.168	-0.001	2566833	0.5000	0.7026	M
2	4.471	4.471	0.000	1966359	0.5000	0.7612	M
2	4.618	4.619	-0.001	4210051	0.5000	0.8210	M
2	4.938	4.939	-0.001	2668017	0.5000	0.7646	M
		Average of Peak Amounts =				0.7484	
						RPD = 2.52	
$ 15 DCB Decachlorobiphenyl							M
1	6.826	6.826	0.000	558514	0.0200	0.0343	
2	5.873	5.875	-0.003	1276029	0.0200	0.0426	M
						RPD = 21.60	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

PCB IS 1B2NB_00052 Amount Added: 10.00 Units: uL Run Reagent

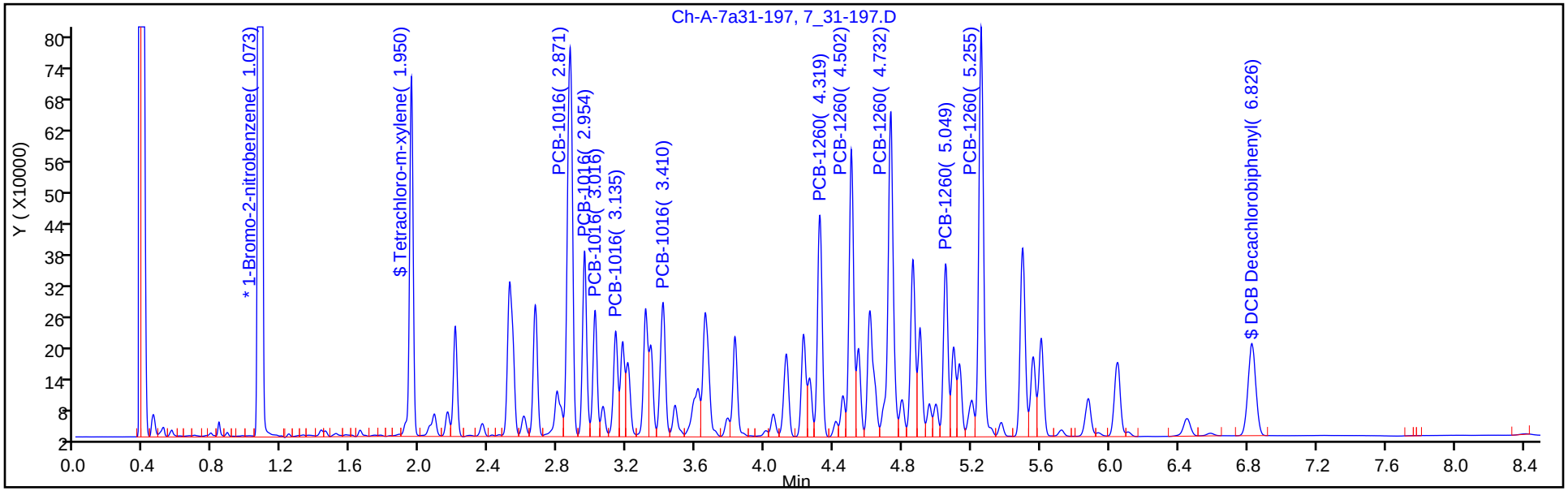
Report Date: 20-Nov-2018 09:32:50 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

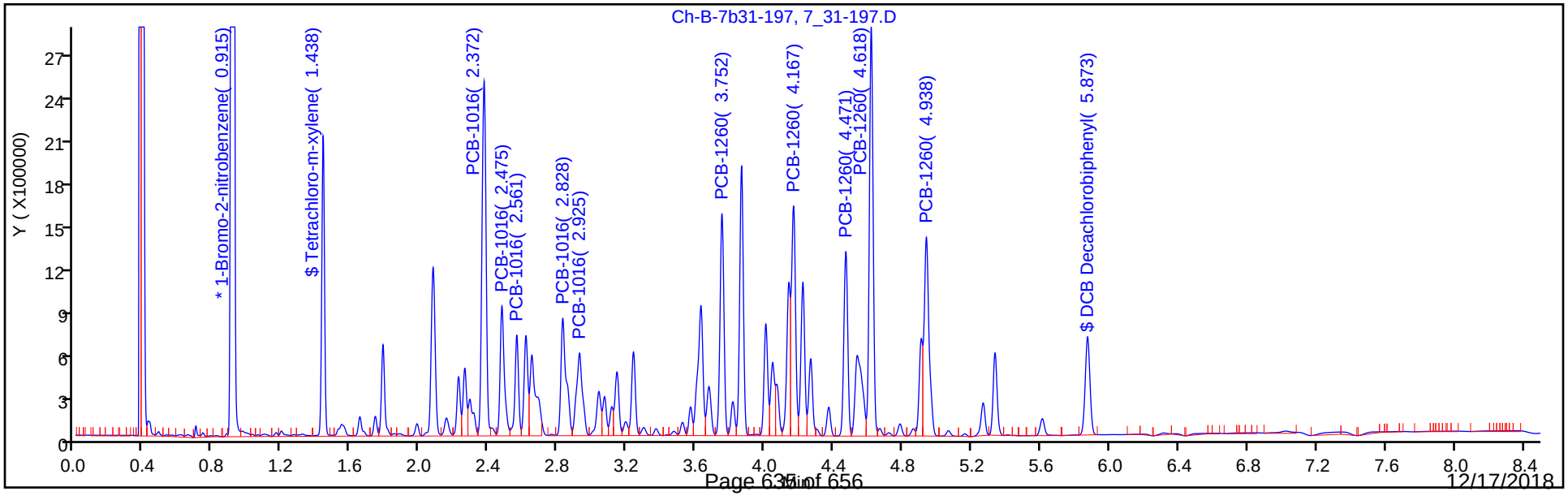
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-197.D

Injection Date:	19-Nov-2018 19:42:34	Instrument ID:	HP6890-7	Operator ID:	BufTCHROM
Lims ID:	LCS 480-446128/2-A			Worklist Smp#:	37
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

TestAmerica Buffalo

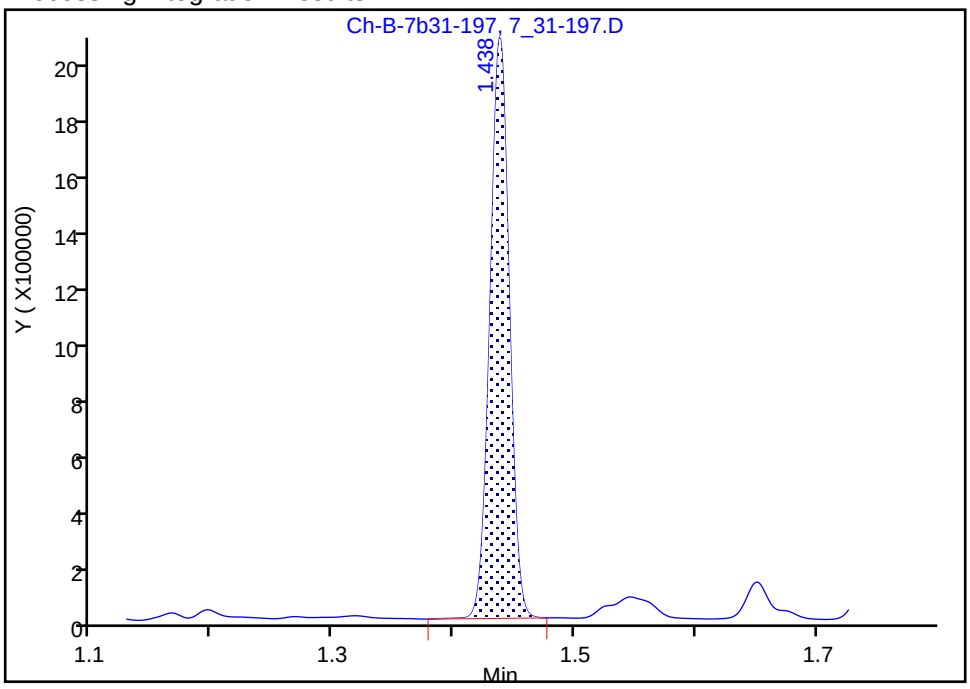
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-197.D
Injection Date: 19-Nov-2018 19:42:34 Instrument ID: HP6890-7
Lims ID: LCS 480-446128/2-A
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 37
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-B-7b136

$ 6 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 2

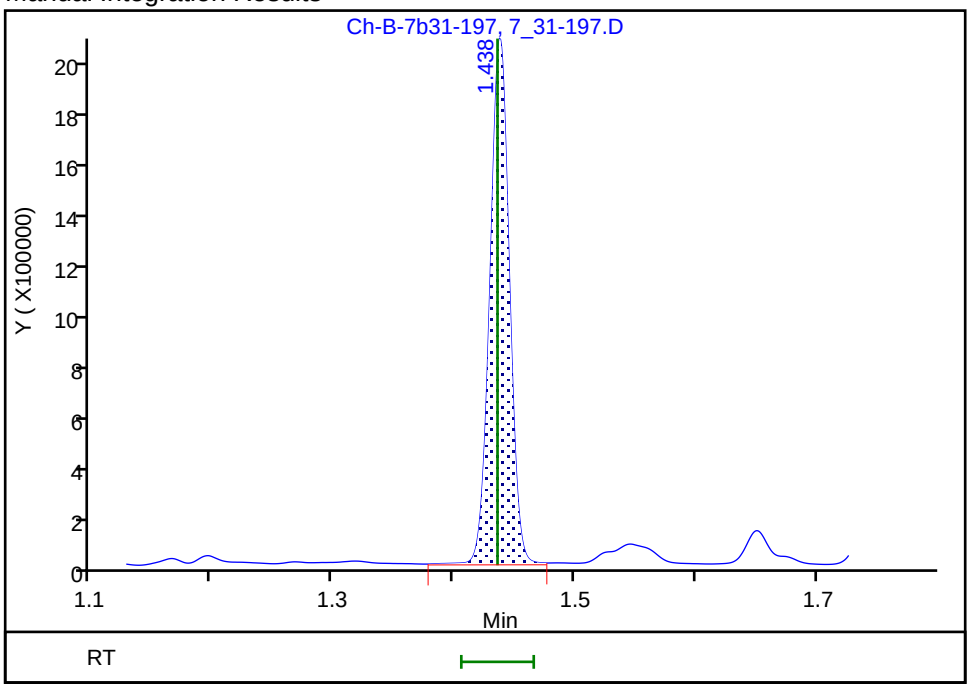
Processing Integration Results

RT: 1.44
Area: 2227483
Amount: 0.029655
Amount Units: ng/uL



Manual Integration Results

RT: 1.44
Area: 2256741
Amount: 0.030052
Amount Units: ng/uL



Reviewer: thongjanw, 20-Nov-2018 09:30:45
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

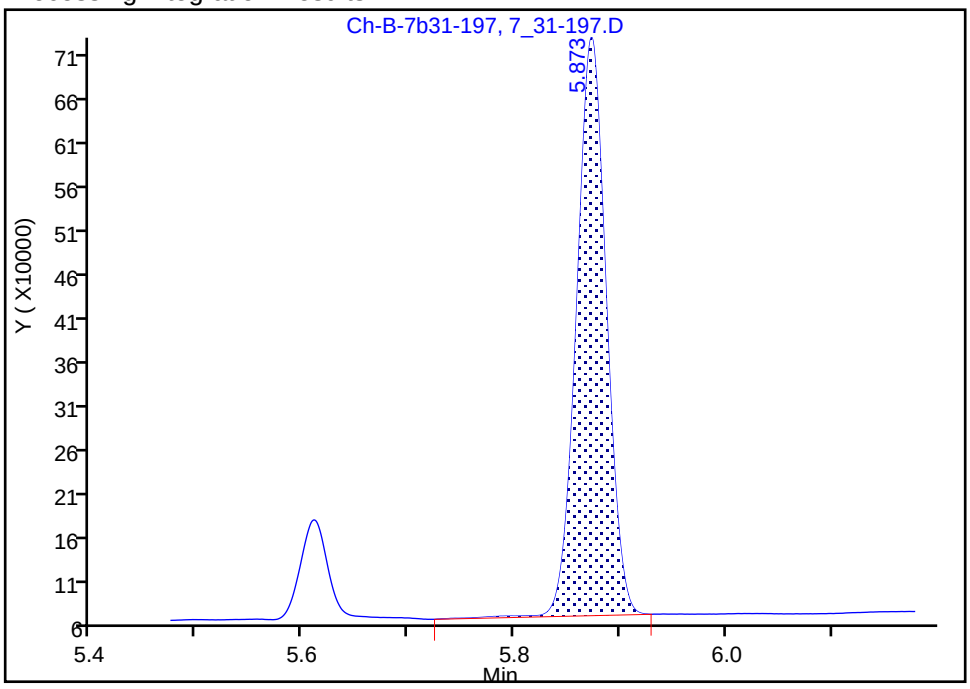
Data File:	\\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-197.D				
Injection Date:	19-Nov-2018 19:42:34	Instrument ID:	HP6890-7		
Lims ID:	LCS 480-446128/2-A				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	37
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

$ 15 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 2

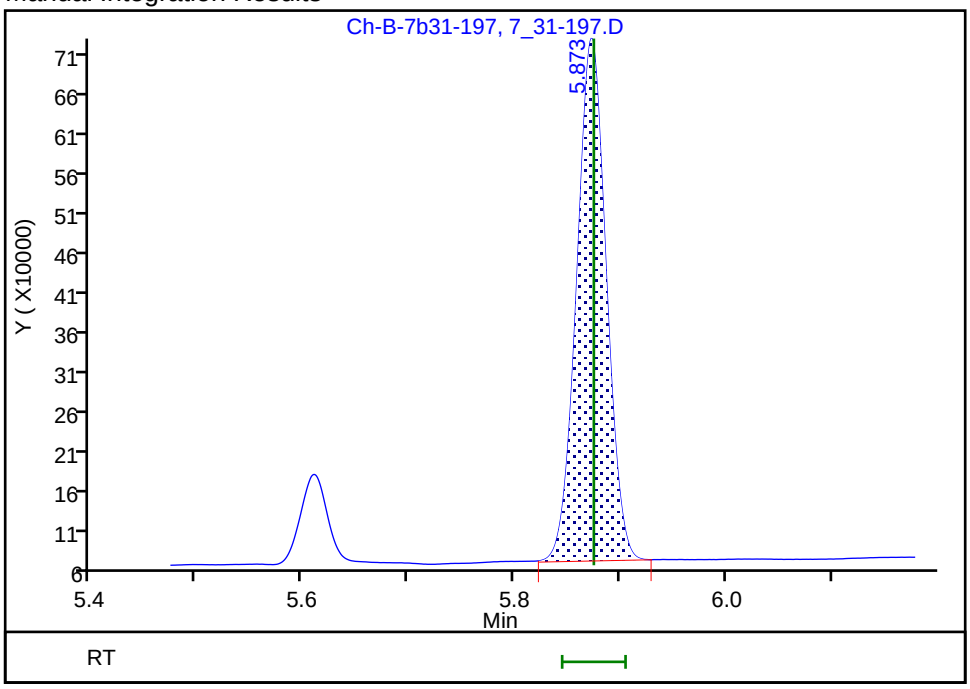
Processing Integration Results

RT: 5.87
Area: 1282025
Amount: 0.042840
Amount Units: ng/uL



Manual Integration Results

RT: 5.87
Area: 1276029
Amount: 0.042635
Amount Units: ng/uL



Reviewer: thongjanw, 20-Nov-2018 09:31:37

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Report Date: 20-Nov-2018 09:32:50 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-197.D

Injection Date: 19-Nov-2018 19:42:34 Instrument ID: HP6890-7

Lims ID: LCS 480-446128/2-A

Client ID:

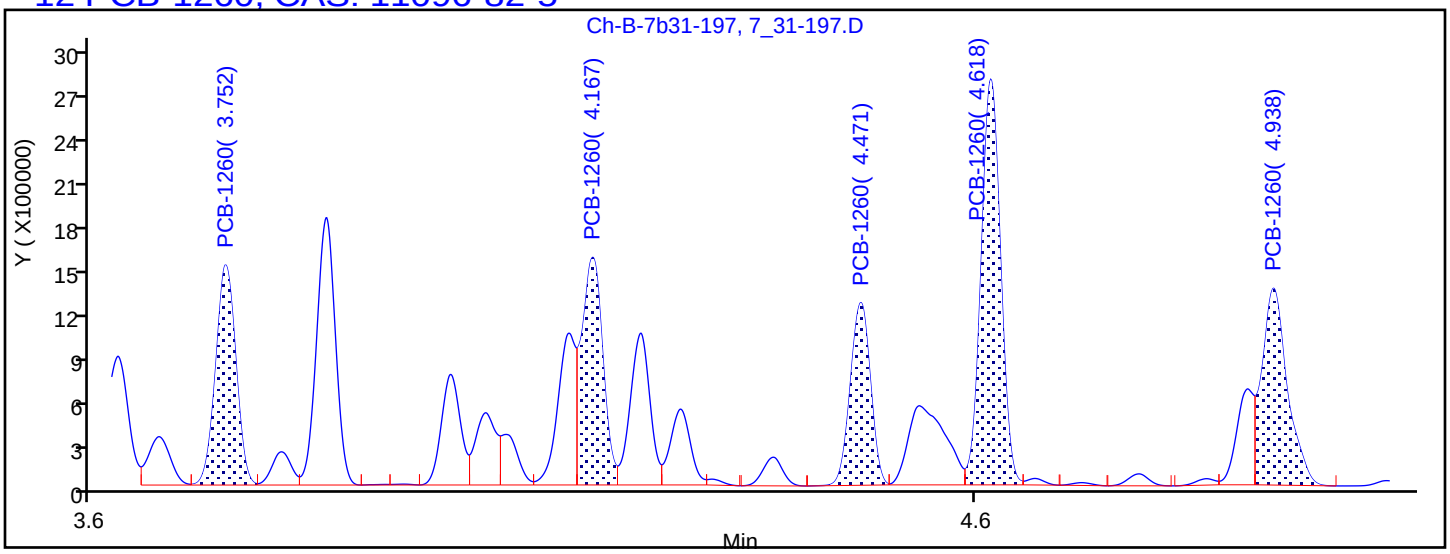
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 37

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL

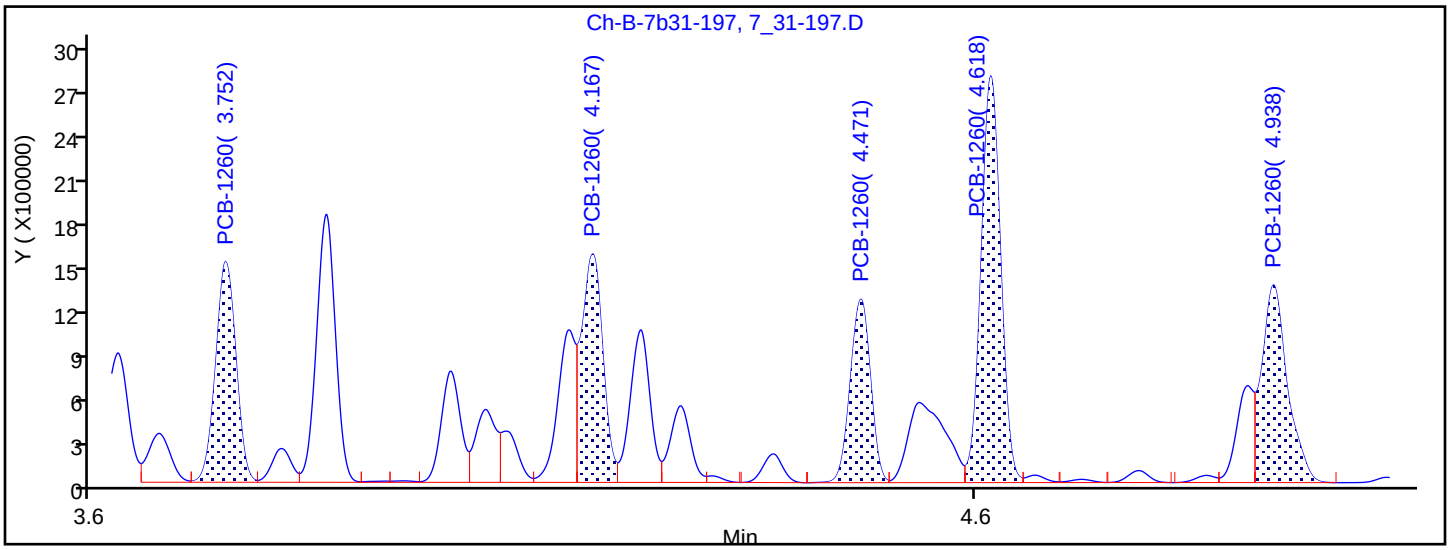
Column: Detector Ch-B-7b136

12 PCB-1260, CAS: 11096-82-5



Processing Integration Results

3.752	Response = 2357866
4.167	Response = 2553051
4.471	Response = 1946218
4.618	Response = 4182344
4.938	Response = 2647835



Manual Integration Results

3.752	Response = 2373465	M
4.167	Response = 2566833	M
4.471	Response = 1966359	M
4.618	Response = 4210051	M
4.938	Response = 2668017	M

Reviewer: thongjanw, 20-Nov-2018 09:30:49

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

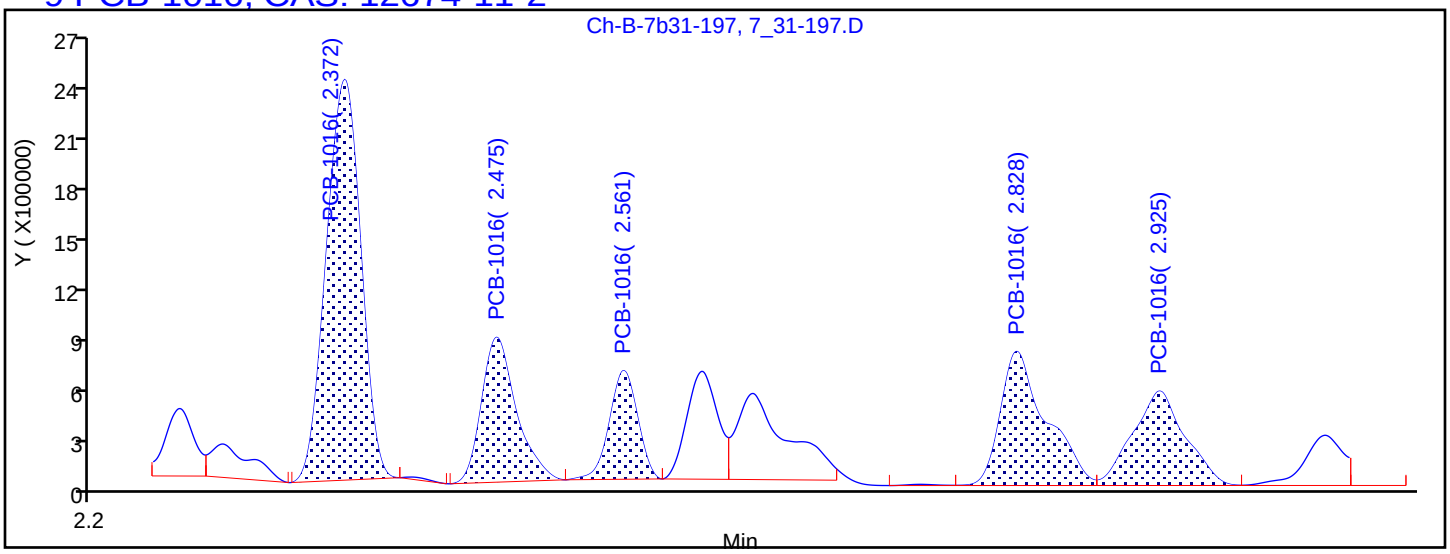
Report Date: 20-Nov-2018 09:32:50 Chrom Revision: 2.3 12-Oct-2018 08:24:38

TestAmerica Buffalo

Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-197.D

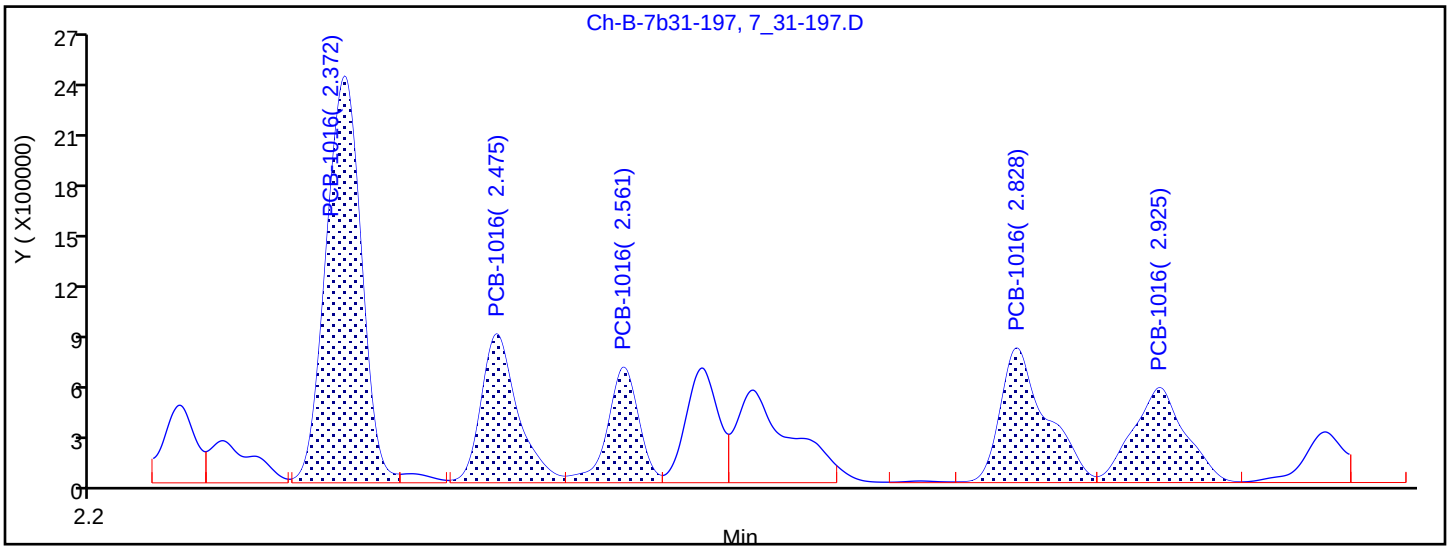
Injection Date:	19-Nov-2018 19:42:34	Instrument ID:	HP6890-7		
Lims ID:	LCS 480-446128/2-A				
Client ID:					
Operator ID:	BufTCHROM	ALS Bottle#:	0	Worklist Smp#:	37
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	7-IS PCB	Limit Group:	GC - 8082A PCB IS ICAL		
Column:		Detector	Ch-B-7b136		

9 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.372	Response = 3815887
2.475	Response = 1378381
2.561	Response = 843620
2.828	Response = 1687822
2.925	Response = 1353531



Manual Integration Results

2.372	Response = 3971388	M
2.475	Response = 1496680	M
2.561	Response = 998626	M
2.828	Response = 1701947	M
2.925	Response = 1367576	M

Reviewer: thongjanw, 20-Nov-2018 09:31:29

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

TestAmerica Buffalo

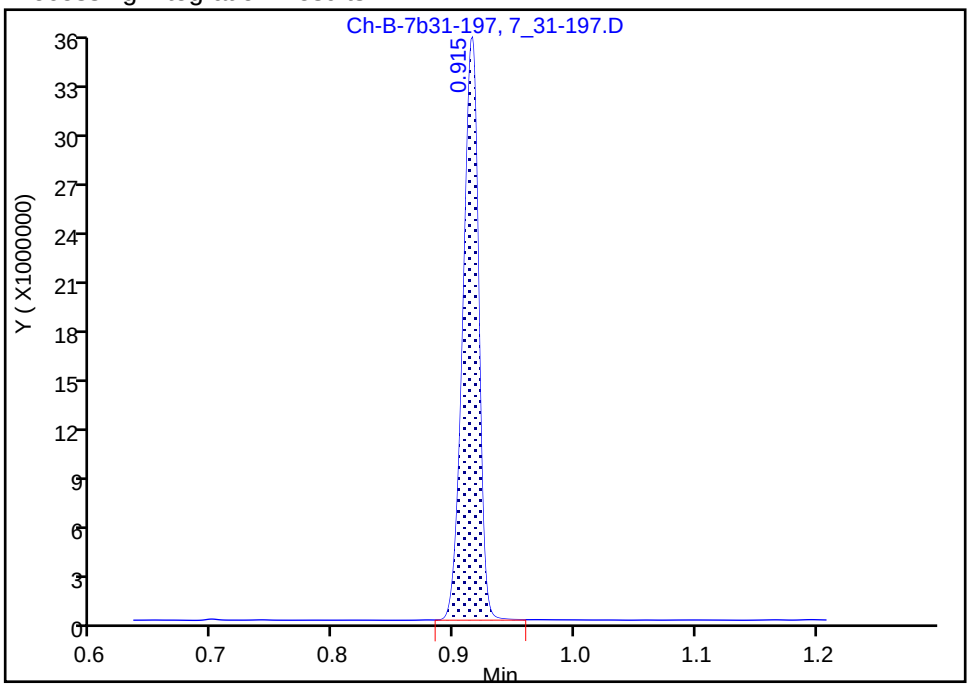
Data File: \\ChromNA\Buffalo\ChromData\HP6890-07\20181119-76571.b\7_31-197.D
Injection Date: 19-Nov-2018 19:42:34 Instrument ID: HP6890-7
Lims ID: LCS 480-446128/2-A
Client ID:
Operator ID: BufTCHROM ALS Bottle#: 0 Worklist Smp#: 37
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 7-IS PCB Limit Group: GC - 8082A PCB IS ICAL
Column: Detector Ch-B-7b136

* 1 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

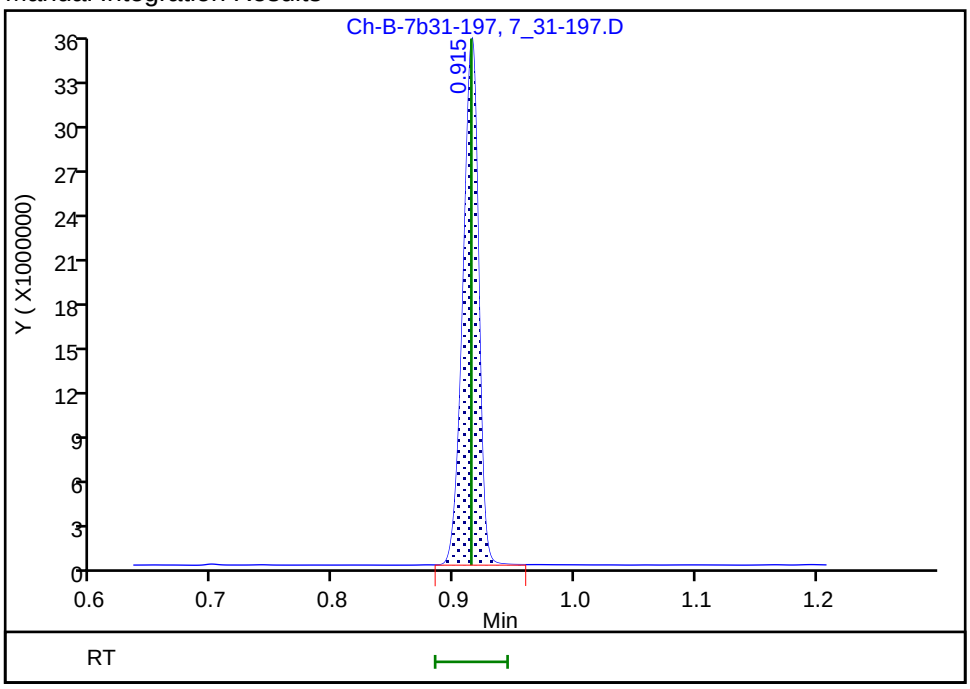
Processing Integration Results

RT: 0.92
Area: 31756480
Amount: 0.500000
Amount Units: ng/uL



Manual Integration Results

RT: 0.92
Area: 31785725
Amount: 0.500000
Amount Units: ng/uL



Reviewer: thongjanw, 20-Nov-2018 09:30:41
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Instrument ID: HP6890-7 Start Date: 05/07/2018 14:26

Analysis Batch Number: 413004 End Date: 05/07/2018 21:36

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 480-413004/4		05/07/2018 14:26	1	7_13-126.D	ZB-5 0.53(mm)
IC 480-413004/4		05/07/2018 14:26	1	7_13-126.D	ZB-35 0.53(mm)
IC 480-413004/5		05/07/2018 14:42	1	7_13-127.D	ZB-5 0.53(mm)
IC 480-413004/5		05/07/2018 14:42	1	7_13-127.D	ZB-35 0.53(mm)
ICIS 480-413004/6		05/07/2018 14:58	1	7_13-128.D	ZB-5 0.53(mm)
ICIS 480-413004/6		05/07/2018 14:58	1	7_13-128.D	ZB-35 0.53(mm)
IC 480-413004/7		05/07/2018 15:14	1	7_13-129.D	ZB-5 0.53(mm)
IC 480-413004/7		05/07/2018 15:14	1	7_13-129.D	ZB-35 0.53(mm)
IC 480-413004/8		05/07/2018 15:30	1	7_13-130.D	ZB-5 0.53(mm)
IC 480-413004/8		05/07/2018 15:30	1	7_13-130.D	ZB-35 0.53(mm)
IC 480-413004/9		05/07/2018 15:46	1	7_13-131.D	ZB-5 0.53(mm)
IC 480-413004/9		05/07/2018 15:46	1	7_13-131.D	ZB-35 0.53(mm)
IC 480-413004/10		05/07/2018 16:02	1	7_13-132.D	ZB-5 0.53(mm)
IC 480-413004/10		05/07/2018 16:02	1	7_13-132.D	ZB-35 0.53(mm)
ICV 480-413004/11		05/07/2018 16:18	1		ZB-5 0.53(mm)
ICV 480-413004/11		05/07/2018 16:18	1		ZB-35 0.53(mm)
CCV 480-413004/12		05/07/2018 16:34	1		ZB-5 0.53(mm)
CCV 480-413004/12		05/07/2018 16:34	1		ZB-35 0.53(mm)
ZZZZZ		05/07/2018 16:50	1		ZB-5 0.53(mm)
ZZZZZ		05/07/2018 16:50	1		ZB-35 0.53(mm)
ZZZZZ		05/07/2018 17:06	1		ZB-5 0.53(mm)
ZZZZZ		05/07/2018 17:06	1		ZB-35 0.53(mm)
CCVL 480-413004/15		05/07/2018 17:21	1		ZB-5 0.53(mm)
CCVL 480-413004/15		05/07/2018 17:21	1		ZB-35 0.53(mm)
IC 480-413004/16		05/07/2018 17:37	1	7_13-138.D	ZB-5 0.53(mm)
IC 480-413004/16		05/07/2018 17:37	1	7_13-138.D	ZB-35 0.53(mm)
IC 480-413004/17		05/07/2018 17:53	1	7_13-139.D	ZB-5 0.53(mm)
IC 480-413004/17		05/07/2018 17:53	1	7_13-139.D	ZB-35 0.53(mm)
IC 480-413004/18		05/07/2018 18:09	1	7_13-140.D	ZB-5 0.53(mm)
IC 480-413004/18		05/07/2018 18:09	1	7_13-140.D	ZB-35 0.53(mm)
ICV 480-413004/19		05/07/2018 18:25	1		ZB-5 0.53(mm)
ICV 480-413004/19		05/07/2018 18:25	1		ZB-35 0.53(mm)
IC 480-413004/20		05/07/2018 18:41	1	7_13-142.D	ZB-5 0.53(mm)
IC 480-413004/20		05/07/2018 18:41	1	7_13-142.D	ZB-35 0.53(mm)
IC 480-413004/21		05/07/2018 18:57	1	7_13-143.D	ZB-5 0.53(mm)
IC 480-413004/21		05/07/2018 18:57	1	7_13-143.D	ZB-35 0.53(mm)
IC 480-413004/22		05/07/2018 19:13	1	7_13-144.D	ZB-5 0.53(mm)
IC 480-413004/22		05/07/2018 19:13	1	7_13-144.D	ZB-35 0.53(mm)
ICV 480-413004/23		05/07/2018 19:29	1		ZB-5 0.53(mm)
ICV 480-413004/23		05/07/2018 19:29	1		ZB-35 0.53(mm)
IC 480-413004/24		05/07/2018 19:45	1	7_13-146.D	ZB-5 0.53(mm)
IC 480-413004/24		05/07/2018 19:45	1	7_13-146.D	ZB-35 0.53(mm)
IC 480-413004/25		05/07/2018 20:01	1	7_13-147.D	ZB-5 0.53(mm)
IC 480-413004/25		05/07/2018 20:01	1	7_13-147.D	ZB-35 0.53(mm)
IC 480-413004/26		05/07/2018 20:17	1	7_13-148.D	ZB-5 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Instrument ID: HP6890-7 Start Date: 05/07/2018 14:26

Analysis Batch Number: 413004 End Date: 05/07/2018 21:36

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 480-413004/26		05/07/2018 20:17	1	7_13-148.D	ZB-35 0.53(mm)
ICV 480-413004/27		05/07/2018 20:33	1		ZB-5 0.53(mm)
ICV 480-413004/27		05/07/2018 20:33	1		ZB-35 0.53(mm)
IC 480-413004/28		05/07/2018 20:48	1	7_13-150.D	ZB-5 0.53(mm)
IC 480-413004/28		05/07/2018 20:48	1	7_13-150.D	ZB-35 0.53(mm)
IC 480-413004/29		05/07/2018 21:05	1	7_13-151.D	ZB-5 0.53(mm)
IC 480-413004/29		05/07/2018 21:05	1	7_13-151.D	ZB-35 0.53(mm)
IC 480-413004/30		05/07/2018 21:20	1	7_13-152.D	ZB-5 0.53(mm)
IC 480-413004/30		05/07/2018 21:20	1	7_13-152.D	ZB-35 0.53(mm)
ICV 480-413004/31		05/07/2018 21:36	1		ZB-5 0.53(mm)
ICV 480-413004/31		05/07/2018 21:36	1		ZB-35 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Instrument ID: HP6890-7 Start Date: 09/17/2018 15:22

Analysis Batch Number: 434717 End Date: 09/17/2018 16:42

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 480-434717/11		09/17/2018 15:22	1	7_26-056.D	ZB-5 0.53(mm)
IC 480-434717/11		09/17/2018 15:22	1	7_26-056.D	ZB-35 0.53(mm)
IC 480-434717/12		09/17/2018 15:38	1	7_26-057.D	ZB-5 0.53(mm)
IC 480-434717/12		09/17/2018 15:38	1	7_26-057.D	ZB-35 0.53(mm)
IC 480-434717/13		09/17/2018 15:53	1	7_26-058.D	ZB-5 0.53(mm)
IC 480-434717/13		09/17/2018 15:53	1	7_26-058.D	ZB-35 0.53(mm)
IC 480-434717/14		09/17/2018 16:09	1	7_26-059.D	ZB-5 0.53(mm)
IC 480-434717/14		09/17/2018 16:09	1	7_26-059.D	ZB-35 0.53(mm)
IC 480-434717/15		09/17/2018 16:26	1	7_26-060.D	ZB-5 0.53(mm)
IC 480-434717/15		09/17/2018 16:26	1	7_26-060.D	ZB-35 0.53(mm)
IC 480-434717/16		09/17/2018 16:42	1	7_26-061.D	ZB-5 0.53(mm)
IC 480-434717/16		09/17/2018 16:42	1	7_26-061.D	ZB-35 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Instrument ID: HP6890-7 Start Date: 11/19/2018 10:47

Analysis Batch Number: 446375 End Date: 11/19/2018 23:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 480-446375/6		11/19/2018 10:47	1	7_31-166.D	ZB-5 0.53(mm)
CCV 480-446375/6		11/19/2018 10:47	1	7_31-166.D	ZB-35 0.53(mm)
CCV 480-446375/7		11/19/2018 11:03	1	7_31-167.D	ZB-5 0.53(mm)
CCV 480-446375/7		11/19/2018 11:03	1	7_31-167.D	ZB-35 0.53(mm)
CCV 480-446375/8		11/19/2018 11:19	1	7_31-168.D	ZB-5 0.53(mm)
CCV 480-446375/8		11/19/2018 11:19	1	7_31-168.D	ZB-35 0.53(mm)
CCV 480-446375/9		11/19/2018 11:35	1	7_31-169.D	ZB-5 0.53(mm)
CCV 480-446375/9		11/19/2018 11:35	1	7_31-169.D	ZB-35 0.53(mm)
CCVIS 480-446375/11		11/19/2018 12:07	1	7_31-171.D	ZB-5 0.53(mm)
CCVIS 480-446375/11		11/19/2018 12:07	1	7_31-171.D	ZB-35 0.53(mm)
ZZZZZ		11/19/2018 13:04	1		ZB-5 0.53(mm)
ZZZZZ		11/19/2018 13:04	1		ZB-35 0.53(mm)
ZZZZZ		11/19/2018 13:19	1		ZB-5 0.53(mm)
ZZZZZ		11/19/2018 13:19	1		ZB-35 0.53(mm)
ZZZZZ		11/19/2018 13:35	1		ZB-5 0.53(mm)
ZZZZZ		11/19/2018 13:35	1		ZB-35 0.53(mm)
ZZZZZ		11/19/2018 13:51	1		ZB-5 0.53(mm)
ZZZZZ		11/19/2018 13:51	1		ZB-35 0.53(mm)
ZZZZZ		11/19/2018 14:07	1		ZB-5 0.53(mm)
ZZZZZ		11/19/2018 14:07	1		ZB-35 0.53(mm)
ZZZZZ		11/19/2018 14:23	1		ZB-5 0.53(mm)
ZZZZZ		11/19/2018 14:23	1		ZB-35 0.53(mm)
ZZZZZ		11/19/2018 14:39	1		ZB-5 0.53(mm)
ZZZZZ		11/19/2018 14:39	1		ZB-35 0.53(mm)
ZZZZZ		11/19/2018 14:55	1		ZB-5 0.53(mm)
ZZZZZ		11/19/2018 14:55	1		ZB-35 0.53(mm)
ZZZZZ		11/19/2018 15:11	1		ZB-5 0.53(mm)
ZZZZZ		11/19/2018 15:11	1		ZB-35 0.53(mm)
ZZZZZ		11/19/2018 15:27	1		ZB-5 0.53(mm)
ZZZZZ		11/19/2018 15:27	1		ZB-35 0.53(mm)
ZZZZZ		11/19/2018 15:43	1		ZB-5 0.53(mm)
ZZZZZ		11/19/2018 15:43	1		ZB-35 0.53(mm)
ZZZZZ		11/19/2018 15:59	1		ZB-5 0.53(mm)
ZZZZZ		11/19/2018 15:59	1		ZB-35 0.53(mm)
ZZZZZ		11/19/2018 16:15	1		ZB-5 0.53(mm)
ZZZZZ		11/19/2018 16:15	1		ZB-35 0.53(mm)
ZZZZZ		11/19/2018 16:31	1		ZB-5 0.53(mm)
ZZZZZ		11/19/2018 16:31	1		ZB-35 0.53(mm)
ZZZZZ		11/19/2018 16:47	1		ZB-5 0.53(mm)
ZZZZZ		11/19/2018 16:47	1		ZB-35 0.53(mm)
ZZZZZ		11/19/2018 17:03	1		ZB-5 0.53(mm)
ZZZZZ		11/19/2018 17:03	1		ZB-35 0.53(mm)
ZZZZZ		11/19/2018 17:19	1		ZB-5 0.53(mm)
ZZZZZ		11/19/2018 17:19	1		ZB-35 0.53(mm)
ZZZZZ		11/19/2018 17:35	1		ZB-5 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Instrument ID: HP6890-7 Start Date: 11/19/2018 10:47

Analysis Batch Number: 446375 End Date: 11/19/2018 23:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		11/19/2018 17:35	1		ZB-35 0.53(mm)
ZZZZZ		11/19/2018 17:50	1		ZB-5 0.53(mm)
ZZZZZ		11/19/2018 17:50	1		ZB-35 0.53(mm)
ZZZZZ		11/19/2018 18:06	1		ZB-5 0.53(mm)
ZZZZZ		11/19/2018 18:06	1		ZB-35 0.53(mm)
CCV 480-446375/32		11/19/2018 18:22	1	7_31-192.D	ZB-5 0.53(mm)
CCV 480-446375/32		11/19/2018 18:22	1	7_31-192.D	ZB-35 0.53(mm)
ZZZZZ		11/19/2018 18:54	1		ZB-5 0.53(mm)
ZZZZZ		11/19/2018 18:54	1		ZB-35 0.53(mm)
ZZZZZ		11/19/2018 19:10	1		ZB-5 0.53(mm)
ZZZZZ		11/19/2018 19:10	1		ZB-35 0.53(mm)
MB 480-446128/1-A		11/19/2018 19:26	1	7_31-196.D	ZB-5 0.53(mm)
MB 480-446128/1-A		11/19/2018 19:26	1	7_31-196.D	ZB-35 0.53(mm)
LCS 480-446128/2-A		11/19/2018 19:42	1	7_31-197.D	ZB-5 0.53(mm)
LCS 480-446128/2-A		11/19/2018 19:42	1	7_31-197.D	ZB-35 0.53(mm)
ZZZZZ		11/19/2018 19:58	1		ZB-5 0.53(mm)
ZZZZZ		11/19/2018 19:58	1		ZB-35 0.53(mm)
ZZZZZ		11/19/2018 20:14	1		ZB-5 0.53(mm)
ZZZZZ		11/19/2018 20:14	1		ZB-35 0.53(mm)
ZZZZZ		11/19/2018 20:30	1		ZB-5 0.53(mm)
ZZZZZ		11/19/2018 20:30	1		ZB-35 0.53(mm)
ZZZZZ		11/19/2018 20:46	1		ZB-5 0.53(mm)
ZZZZZ		11/19/2018 20:46	1		ZB-35 0.53(mm)
ZZZZZ		11/19/2018 21:02	1		ZB-5 0.53(mm)
ZZZZZ		11/19/2018 21:02	1		ZB-35 0.53(mm)
ZZZZZ		11/19/2018 21:18	1		ZB-5 0.53(mm)
ZZZZZ		11/19/2018 21:18	1		ZB-35 0.53(mm)
480-145287-1		11/19/2018 21:34	1	7_31-204.D	ZB-5 0.53(mm)
480-145287-1		11/19/2018 21:34	1	7_31-204.D	ZB-35 0.53(mm)
480-145287-2		11/19/2018 21:50	1	7_31-205.D	ZB-5 0.53(mm)
480-145287-2		11/19/2018 21:50	1	7_31-205.D	ZB-35 0.53(mm)
480-145287-3		11/19/2018 22:06	1	7_31-206.D	ZB-5 0.53(mm)
480-145287-3		11/19/2018 22:06	1	7_31-206.D	ZB-35 0.53(mm)
480-145287-4		11/19/2018 22:21	1	7_31-207.D	ZB-5 0.53(mm)
480-145287-4		11/19/2018 22:21	1	7_31-207.D	ZB-35 0.53(mm)
480-145287-5		11/19/2018 22:38	1	7_31-208.D	ZB-5 0.53(mm)
480-145287-5		11/19/2018 22:38	1	7_31-208.D	ZB-35 0.53(mm)
480-145287-6		11/19/2018 22:53	1	7_31-209.D	ZB-5 0.53(mm)
480-145287-6		11/19/2018 22:53	1	7_31-209.D	ZB-35 0.53(mm)
480-145287-7		11/19/2018 23:09	1	7_31-210.D	ZB-5 0.53(mm)
480-145287-7		11/19/2018 23:09	1	7_31-210.D	ZB-35 0.53(mm)
480-145287-8		11/19/2018 23:25	1	7_31-211.D	ZB-5 0.53(mm)
480-145287-8		11/19/2018 23:25	1	7_31-211.D	ZB-35 0.53(mm)
ZZZZZ		11/19/2018 23:41	1		ZB-5 0.53(mm)
ZZZZZ		11/19/2018 23:41	1		ZB-35 0.53(mm)

8082A

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Instrument ID: HP6890-7 Start Date: 11/19/2018 10:47

Analysis Batch Number: 446375 End Date: 11/19/2018 23:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		11/19/2018 23:57	20		ZB-5 0.53(mm)
ZZZZZ		11/19/2018 23:57	20		ZB-35 0.53(mm)

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Batch Number: 446128 Batch Start Date: 11/16/18 14:27 Batch Analyst: Duda, Silka G

Batch Method: 3550C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	O_8081/82surr 00116	O_8082spike 00068		
MB 480-446128/1		3550C, 8082A		2.04 g	10 mL	1 mL			
LCS 480-446128/2		3550C, 8082A		2.15 g	10 mL	1 mL	1 mL		
480-145287-B-1	SW-01	3550C, 8082A	T	2.17 g	10 mL	1 mL			
480-145287-B-2	SW-02	3550C, 8082A	T	2.32 g	10 mL	1 mL			
480-145287-A-3	SW-03	3550C, 8082A	T	2.30 g	10 mL	1 mL			
480-145287-B-4	SW-04	3550C, 8082A	T	2.26 g	10 mL	1 mL			
480-145287-A-5	B-1	3550C, 8082A	T	2.48 g	10 mL	1 mL			
480-145287-A-6	SW-05	3550C, 8082A	T	2.44 g	10 mL	1 mL			
480-145287-A-7	B-2	3550C, 8082A	T	2.19 g	10 mL	1 mL			
480-145287-B-8	SW-06	3550C, 8082A	T	2.46 g	10 mL	1 mL			

Batch Notes	
Acid used for Clean Up ID	4921000
Balance ID	Balance #5
Blank Matrix ID	4895626
Copper ID	0000194548
Analyst ID - Clean Up	SD 11/16/18
Analyst ID - Extraction	SD
Method/Fraction	3550C_PCB_1YR-8082A
Na2SO4 ID	4895626
Nominal Amount Used	2 g
Prep Solvent ID	4924789
Analyst ID - Spike Analyst	SD
Analyst ID - Spike Witness Analyst	SD
Sufficient Volume for Batch QC	Yes
Vial Lot Number	1736311171

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-145287-1

SDG No.:

Project: Tonawanda Forge #915274

Client Sample ID	Lab Sample ID
SW-01	480-145287-1
SW-02	480-145287-2
SW-03	480-145287-3
SW-04	480-145287-4
B-1	480-145287-5
SW-05	480-145287-6
B-2	480-145287-7
SW-06	480-145287-8

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-145287-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture RL Date: 08/17/2009 12:10

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-145287-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture XRL Date: 08/17/2009 12:10

Analyte	Wavelength/ Mass	XRL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/11/2018 12:59 End Date: 12/11/2018 12:59

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
ZZZZZZ			12:59																					
ZZZZZZ			12:59																					
ZZZZZZ			12:59																					
ZZZZZZ			12:59																					
480-145287-1	1	T	12:59	X	X																			
480-145287-2	1	T	12:59	X	X																			
480-145287-3	1	T	12:59	X	X																			
480-145287-4	1	T	12:59	X	X																			
480-145287-5	1	T	12:59	X	X																			
480-145287-6	1	T	12:59	X	X																			
480-145287-7	1	T	12:59	X	X																			
480-145287-8	1	T	12:59	X	X																			
ZZZZZZ			12:59																					
ZZZZZZ			12:59																					
ZZZZZZ			12:59																					
ZZZZZZ			12:59																					

Prep Types

T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-145287-1

SDG No.:

Batch Number: 450206 Batch Start Date: 12/11/18 12:59 Batch Analyst: Kinecki, Kenneth P

Batch Method: Moisture Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
480-145287-A-1	SW-01	Moisture	T	5	1.05 g	11.22 g	7.99 g		
480-145287-A-2	SW-02	Moisture	T	6	1.05 g	7.70 g	6.07 g		
480-145287-A-3	SW-03	Moisture	T	7	1.05 g	9.37 g	7.25 g		
480-145287-A-4	SW-04	Moisture	T	8	1.05 g	11.86 g	10.06 g		
480-145287-A-5	B-1	Moisture	T	9	1.05 g	13.44 g	11.35 g		
480-145287-A-6	SW-05	Moisture	T	10	1.05 g	14.43 g	12.51 g		
480-145287-A-7	B-2	Moisture	T	11	1.05 g	12.22 g	10.63 g		
480-145287-A-8	SW-06	Moisture	T	12	1.05 g	13.37 g	11.94 g		

Batch Notes	
Balance ID	Balance 8
Batch Comment	AL DISH 1.05
Oven Temp In	106 Degrees C
Time samples were place in the oven	13:15
Date samples were removed from oven	12/12/2018
Oven Temp Out	105 Degrees C
Time Samples were removed from oven	14:31
Oven ID	SC
Thermometer ID	SC

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

CHAIN OF CUSTODY

Client: New York State Dept. of Environmental Conservation

NYSDEC Site #915274

FED-EX Tracking #

Lab Quote #

480-145287 COC

Lab Job #

CLIENT/REPORTING INFORMATION	PROJECT INFORMATION	BILLING INFORMATION
Groundwater & Environmental Services, Inc. 415 Lawrence Bell Drive, Williamsville, NY 14221 **Project Manager:** Eric D. Popken **Phone #:** 800-287-7857 Email: NERegion@gesonline.com fax **866-902-2187**	**Project Name:** NYSDEC/KenmoreNY/KenmoreAve/2390 **Project Address:** 2390 Kenmore Ave, Tonawanda, NY **Project PSID #:** 746565	NYSDEC Site No. 915274 Tonawanda Forge

Sampler(s) Name:

Sampler(s) Name: Jennifer Clay

Lab Sample #	Field ID / Point of Collection (Sys_loc_code)	Depth Interval (ft)	Date Sampled	Time Sampled	Sampler	Matrix	Total # Bottles	number of preserved bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Amber	REQUESTED ANALYSIS: PCBs via 8082A	TCL SVOCs via 820D	LAB USE ONLY
	SW-01	2-4'	11-13-18	1345	JC	SO	3					X					X	X	
	SW-02	4'	11-13-18	1350	JC	SO	3												
	SW-03	3-4'	11-13-18	1355	JC	SO	3												
	SW-04	5-6'	11-13-18	1435	JC	SO	3												
	B-1	7-7.5'	11-13-18	1340	JC	SO	3												
	SW-05	6-7'	11-13-18	1440	JC	SO	3												
	B-2	13.5'	11-13-18	1445	JC	SO	3												
	SW-06	4-8'	11-3-18	1635	JC	SO	3												

Turnaround Time (Business Days) — **Approved By (Lab PM) / Date**

- [x] Standard 14 Days
- [ ] 1 day RUSH
- [ ] Other _____

Laboratory Information

Lab: TestAmerica Buffalo
Address: 10 Hazelwood Drive, Amherst, NY
Phone: 484-685-0864
Lab PM: Orlette Johnson
Lab PM Email: Orlette.Johnson@testamericainc.com

Data Deliverable Information

- [ ] Commercial 'A' (Level 1) = Results Only
- [ ] Commercial 'B' (Level 2) = Results + QC Summary
- [ ] FULLT1 (Level 3 & 4)
- [ ] NJ Reduced = Results + QC Summary + Partial Raw Data
- [ ] Commercial 'C'
- [ ] *NJ Data of Known Quality Protocol Reporting*
- [ ] NYASP Category A
- [x] NYASP Category B
- [ ] State Forms
- [x] EDD Format _____ NYSDEC EQuiS EDD
- [x] Other _____ GES EQEDD

Please Email the EQ EDD Package to ges@equisonline.com

EQEDD Name: NYSDEC/KenmoreNY/KenmoreAve/2390_LabReport#.20347.EQEDD.zip

Sample Custody must be documented below each time samples change possession, including courier.

	Relinquished By Sampler:	Date / Time:	Received By:
1	TO FRIDGE	11/13/18 18:05	11/14/18 15:20
2		11/14/18 16:00	
3			

Custody Seal Number: [ ] Intact [ ] Not Intact [ ] Preserved where applicable [x] On Ice Cooler Temp 3.0 #1

Login Sample Receipt Checklist

Client: New York State D.E.C. Job Number: 480-145287-1

Login Number: 145287 **List Source: TestAmerica Buffalo**
List Number: 1
Creator: Wallace, Cameron

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.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	