

**NAPL AND GROUNDWATER GAUGING REPORT FOR PERFORMANCE MONITORING OF ISS IRM
FOR EAST STATION FORMER MGP SITE ROCHESTER, NEW YORK
MAY 14 AND 15, 2012 MONITORING EVENT**

July 2012

Prepared for:

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1.0 INTRODUCTION

This **NAPL and Groundwater Gauging Report**, dated July 2012, has been prepared to summarize the findings of the field event performed on May 14 and 15, 2011, at the Rochester Gas & Electric Corporation's (RG&E's) East Station former MGP Site, located in Rochester, New York. This event was performed according to the **"ISS IRM Plan for NAPL Monitoring and Recovery with Water Quality Monitoring for the East Station former MGP Site"** (Performance Monitoring Plan), revised April 2010. Table 1 lists the monitoring and recovery wells that were gauged. Figure 1 shows the locations of the wells.

Please refer to the following reports prepared and submitted to the NYSDEC for the previously completed monitoring activities at the East Station Site:

1. NAPL and Groundwater Monitoring Report for Performance Monitoring of ISS IRM for East Station Former MGP Site, Rochester, New York", dated November 2009.
2. NAPL and Groundwater Gauging Report for Performance Monitoring of ISS IRM for East Station Former MGP Site, Rochester, New York, May 4 and 5, 2010 Monitoring Event", dated June 2010.
3. NAPL and Groundwater Gauging Report for Performance Monitoring of ISS IRM for East Station Former MGP Site, Rochester, New York, November 17, 18 and 19, 2009 Monitoring Event", dated February 2010.
4. NAPL and Groundwater Gauging Report for Performance Monitoring of ISS IRM for East Station Former MGP Site, Rochester, New York, October 12 and 13, 2010 Monitoring Event", dated January 2011
5. NAPL and Groundwater Gauging Report for Performance Monitoring of ISS IRM for East Station Former MGP Site, Rochester, New York, May 16, 17 and 18, 2011 Monitoring Event", dated July 2011
6. NAPL and Groundwater Gauging Report for Performance Monitoring of ISS IRM for East Station Former MGP Site, Rochester, New York, November 3 and 4, 2011 Monitoring Event", dated January 2012

Please refer to the document titled **"Summary of the Installation and Monitoring of Groundwater Wells for Water Quality and NAPL at the East Station Site following the Completion of the ISS-IRM"** dated September 4, 2008, for information regarding the additional 13 monitoring/recovery wells installed and the monitoring frequency and reporting schedule.

2.0 FIELD ACTIVITIES

Field activities performed on May 14 and 15, 2012, consisted of recording static water levels, gauging for LNAPL and DNAPL in 30 monitoring/recovery wells and collecting groundwater quality samples from (three of the five) shallow bedrock monitoring wells beneath the ISS columns. Two shallow bedrock monitoring wells, DW-3R and MW-5R, were not sampled because field personnel observed NAPL in the well water at the time of sampling after purging and groundwater recovery had occurred. The methods used for groundwater level measurements, NAPL gauging and groundwater sample collection for this performance monitoring event were consistent with those used for previous monitoring events and in past site investigation work. Field activities performed are identified in Table 1.

3.0 GROUNDWATER FLOW CHARACTERISTICS

The groundwater elevation data is presented in Table 2. Since the locations that were gauged during the May 2012 sampling event consist of a relatively linear network of wells, a groundwater contour figure was not generated for this data set. Based on results of previous groundwater contours (see the NAPL and Groundwater Monitoring Report, dated November 2009, Figures 5 through 8), groundwater flow is generally from the eastern site area, westerly towards the ISS columns.

In the northern area of the site, groundwater flow is generally to the northwest. In the southern area of the site, groundwater flow is generally to the southwest.

4.0 NAPL GAUGING RESULTS

During the May 14, 2012 gauging event, approximately 0.15 feet of LNAPL was measured in recovery well RW-5. In addition, measurable DNAPL was recorded in monitoring wells DW-3R (0.30 feet), and MW-5R (0.35 feet). These observations are consistent with previous gauging results for these monitoring locations, as presented in Table 2. Finally, DNAPL was removed from DW-3R and MW-5R during purging and found to be coating the sampling equipment after removal from the wells (sampling sheets for these wells are included in Appendix A). NAPL measurements reported in the table are before any purging or sampling activity, unless otherwise noted.

5.0 GROUNDWATER ANALYTICAL AND MONITORING RESULTS

The three groundwater samples collected for the performance monitoring program were analyzed for benzene, toluene, ethylbenzene and xylenes (BTEX) via EPA Method 8260B, for PAH compounds via EPA Method 8270C and for total cyanide via EPA Method 9012A (Table 3). The analytical laboratory reports for the May 2012 sampling event are provided in Appendix B, along with the Data Usability Summary Reports (DUSRs).

Future Validation of Samples:

As per correspondence on July 2, 2012 between Mr. Daniel Kennedy, RG&E Project Manager and Mr. Keith Gronwald, NYSDEC Project Manager, regarding the need for validating sample results for wells that have been previously shown to be contaminated or contain NAPL. The following determination has been made regarding future validation of groundwater analytical data for the East Station samples.

Mr. Gronwald wrote “You had inquired about the need for validating sample results for wells that have been previously shown to be contaminated or contain NAPL. I discussed this with our chemists and we will accept unvalidated results for samples that fall into this category as long as category B deliverables are available which will allow for validation to be performed in the future if it is needed.”

Category B deliverables for analytical lab reporting is required and no validation of the groundwater sample results will be required for the future monitoring events unless requested by NYSDEC. One report (similar to this one) will be submitted to the DEC with the unvalidated data for groundwater samples along with the water levels and NAPL gauging results.

5.1 Water Quality and Monitoring Results

Table 3 provides a summary of the monitoring well analytical results for the May 2012 sampling event. Each of the three monitoring wells sampled during this round exhibited detections for BTEX compounds, several PAH constituents and total cyanide. (DW-1R, MW-3DR and MW-8DR were installed to monitor the occurrence of NAPL and water quality parameters in the shallow bedrock zone underneath the ISS columns). Measurable DNAPL also was recorded in monitoring wells DW-3R and MW-5R and was present in the purge water from these two locations.

As shown in Table 3 and Figures 2 through 7, the May 2012 results were in the range of the previous six rounds of groundwater quality data from the three wells that were sampled.

Figure 8 shows the plot of measured water levels over time in each of the shallow bedrock wells.

5.2 Data Validation

Ish Inc. performed a review of the QA/QC data generated by Test America. This validation included a review of pertinent QA/QC data such as sample extraction and analysis, holding times, calibration, laboratory blank and QA/QC sample results, and a review of the analytical case narrative. A DUSR was prepared which includes a compliance chart, a list of samples included in each sample delivery group and recalculations of sample results (Appendix B). Non-conforming QA/QC results were evaluated with respect to their implications for data reliability and usability, and data results were flagged accordingly on the results sheets. These qualifiers appear in the analytical data summary tables provided with this report.

5.3 Equipment and Trip Blanks, Field Duplicates

Analytical results for the equipment blank sample showed only a low level detection of naphthalene (Table 4). A trip blank was not analyzed by the laboratory, but the equipment blank was shipped with the samples and did not show any detectable concentrations for BTEX. In addition, field duplicate results were collected to verify the consistency of the field sampling procedures. In general, relative percent differences (RPDs) of less than 30% for groundwater duplicates indicate that both field sampling procedures and the analytical precision are of sufficient quality. As shown in Table 5, the RPDs for measurements of individual compounds were less than 30%, indicating that the sampling procedures and analytical precision are of sufficient quality.

6.0 SUMMARY OF OBSERVATIONS FROM MAY 2012 SAMPLING EVENT

The information collected during the May 2012 monitoring event leads to the following observations:

- Approximately 0.15 feet of LNAPL was measured in recovery well RW-5.
- Measurable DNAPL was recorded in monitoring wells DW-3R (0.30 feet) and in MW-5R (0.35 feet).
- Following purging and well recovery, NAPL droplets were observed in the well water of DW-3R and MW-5R, which precluded the collection of samples for water quality analysis from these two wells.
- Groundwater quality in the shallow bedrock wells underneath the ISS columns continues to be similar for all sampling events completed to date.
- Groundwater elevations in the monitored wells in the shallow bedrock are nearly constant for the monitoring period since 2009

The next sampling event is being scheduled for October/November 2012, as indicated in the NYSDEC-approved Performance Monitoring Plan.

7.0 REFERENCES

Ish Inc. NAPL and Groundwater Monitoring Report for Performance Monitoring of ISS IRM for East Station Former MGP Site, Rochester, New York, November 3 and 4, 2011 Monitoring Event, January 2012.

Ish Inc. NAPL and Groundwater Monitoring Report for Performance Monitoring of ISS IRM for East Station Former MGP Site, Rochester, New York, May 16, 17 and 18, 2011 Monitoring Event, July 2011.

Ish Inc. NAPL and Groundwater Monitoring Report for Performance Monitoring of ISS IRM for East Station Former MGP Site, Rochester, New York, October 12 and 13, 2010 Monitoring Event, January 2011.

Ish Inc. NAPL and Groundwater Monitoring Report for Performance Monitoring of ISS IRM for East Station Former MGP Site, Rochester, New York, May 4 and 5, 2010 Monitoring Event, June 2010.

Ish Inc. ISS IRM NAPL Monitoring and Recovery and Water Quality Monitoring Plan for the East Station former MGP Site, Revised April 2010.

Ish Inc. NAPL and Groundwater Monitoring Report for Performance Monitoring of ISS IRM for East Station Former MGP Site, Rochester, New York, November 2009.

Ish Inc. Phase IV Interim Remedial Measure Completion Report for East Station ISS/IRM, submitted to NYSDEC March 2009, Approved September 2009.

Ish Inc., Installation and Monitoring of Groundwater Wells for Water Quality and NAPL at the East Station Site following the Completion of the ISS-IRM, September 4, 2008

Ish Inc. Draft IRM Work Plan for *In-situ* Stabilization/Solidification to Control NAPL Seeps at the RG&E East Station Former Manufactured Gas Plant Site, October 2003

TABLES

TABLE 1

SUMMARY OF MONITORING WELL GAUGING AND SAMPLING EVENTS FOR PERFORMANCE MONITORING AND NAPL RECOVERY WELLS
RG&E East Station Former MGP Site
Rochester, New York

Well ID	October 13-15, 2008			February 9 and 10, 2009			May 18 and 19, 2009		August 17 and 18, 2009		November 17, 2009		May 4 and 5, 2010		
	NAPL Monitoring	Analytical Sampling	Depth to Groundwater	NAPL Monitoring	Analytical Sampling	Depth to Groundwater	NAPL Monitoring	Depth to Groundwater	NAPL Monitoring	Depth to Groundwater	NAPL Monitoring	Depth to Groundwater	NAPL Monitoring	Analytical Sampling	Depth to Groundwater
Shallow Bedrock Monitoring Wells:															
DW-1R	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
DW-3R	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
MW-3DR	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
MW-5R	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
MW-8DR	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
ISS Barrier Monitoring Wells:															
MW-2R	x	x	x	x	NS	x	x	x	x	x	x	x	x	NS	x
MW-4R	x	x	x	x	NS	x	x	x	x	x	x	x	x	NS	x
PZ-01R	x	x	x	x	NS	x	x	x	x	x	x	x	x	NS	x
Recovery Wells in the NAPL Collection Trench															
RW-1	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x
RW-2	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x
RW-3	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x
RW-4	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x
RW-5	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x
RW-6	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x
RW-7	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x
RW-8	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x
RW-9	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x
RW-10	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x
RW-11	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x
RW-12	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x
RW-13	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x
RW-14	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x
RW-15	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x
RW-16	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x
RW-17	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x
RW-18	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x
RW-19	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x
RW-20	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x
Recovery Wells to the East of ISS IRM Area															
RW-21	x	x	x	x	NS	x	x	x	x	x	x	x	x	NS	x
RW-22	x	x	x	x	NS	x	x	x	x	x	x	x	x	NS	x
RW-23	x	x	x	x	NS	x	x	x	x	x	x	x	NG	NS	NG
Shallow Monitoring Wells to the East of ISS IRM Area															
TPMW-1	x	x	x	x	x	x	x	x	x	x	x	x	NG	NS	NG
TPMW-2	x	x	x	x	x	x	x	x	x	x	x	x	NG	NS	NG

Notes:

- x** NAPL gauging and/or water quality analysis sampling performed
- NS** Not Sampled for water quality analysis
- NG** No NAPL gauging performed. These wells not included in the revised performance monitoring plan

TABLE 1

SUMMARY OF MONITORING WELL GAUGING AND SAMPLING EVENTS FOR PERFORMANCE MONITORING AND NAPL RECOVERY WELLS
RG&E East Station Former MGP Site
Rochester, New York

Well ID	October 12 and 13, 2010			May 16-18, 2011			November 3-4, 2011			May 14-15, 2012		
	NAPL Monitoring	Analytical Sampling	Depth to Groundwater	NAPL Monitoring	Analytical Sampling	Depth to Groundwater	NAPL Monitoring	Analytical Sampling	Depth to Groundwater	NAPL Monitoring	Analytical Sampling	Depth to Groundwater
Shallow Bedrock Monitoring Wells:												
DW-1R	x	x	x	x	x	x	x	x	x	x	x	x
DW-3R	x	x	x	x	x	x	x	NS	x	x	NS	x
MW-3DR	x	x	x	x	x	x	x	x	x	x	x	x
MW-5R	x	x	x	x	NS	x	x	NS	x	x	NS	x
MW-8DR	x	x	x	x	x	x	x	x	x	x	x	x
ISS Barrier Monitoring Wells:												
MW-2R	x	NS	x	x	NS	x	x	NS	x	x	NS	x
MW-4R	x	NS	x	x	NS	x	x	NS	x	x	NS	x
PZ-01R	x	NS	x	x	NS	x	x	NS	x	x	NS	x
Recovery Wells in the NAPL Collection Trench												
RW-1	x	NS	x	x	NS	x	x	NS	x	x	NS	x
RW-2	x	NS	x	x	NS	x	x	NS	x	x	NS	x
RW-3	x	NS	x	x	NS	x	x	NS	x	x	NS	x
RW-4	x	NS	x	x	NS	x	x	NS	x	x	NS	x
RW-5	x	NS	x	x	NS	x	x	NS	x	x	NS	x
RW-6	x	NS	x	x	NS	x	x	NS	x	x	NS	x
RW-7	x	NS	x	x	NS	x	x	NS	x	x	NS	x
RW-8	x	NS	x	x	NS	x	x	NS	x	x	NS	x
RW-9	x	NS	x	x	NS	x	x	NS	x	x	NS	x
RW-10	x	NS	x	x	NS	x	x	NS	x	x	NS	x
RW-11	x	NS	x	x	NS	x	x	NS	x	x	NS	x
RW-12	x	NS	x	x	NS	x	x	NS	x	x	NS	x
RW-13	x	NS	x	x	NS	x	x	NS	x	x	NS	x
RW-14	x	NS	x	x	NS	x	x	NS	x	x	NS	x
RW-15	x	NS	x	x	NS	x	x	NS	x	x	NS	x
RW-16	x	NS	x	x	NS	x	x	NS	x	x	NS	x
RW-17	x	NS	x	x	NS	x	x	NS	x	x	NS	x
RW-18	x	NS	x	x	NS	x	x	NS	x	x	NS	x
RW-19	x	NS	x	x	NS	x	x	NS	x	x	NS	x
RW-20	x	NS	x	x	NS	x	x	NS	x	x	NS	x
Recovery Wells to the East of ISS IRM Area												
RW-21	x	NS	x	x	NS	x	x	NS	x	x	NS	x
RW-22	x	NS	x	x	NS	x	x	NS	x	x	NS	x
RW-23	NG	NS	NG	NG	NS	NG	NG	NS	NG	NG	NS	NG
Shallow Monitoring Wells to the East of ISS IRM Area												
TPMW-1	NG	NS	NG	NG	NS	NG	NG	NS	NG	NG	NS	NG
TPMW-2	NG	NS	NG	NG	NS	NG	NG	NS	NG	NG	NS	NG

Notes:

- x** NAPL gauging and/or water quality analysis sampling performed
NS Not Sampled for water quality analysis
NG No NAPL gauging performed. These wells not included in the revised performance monitoring plan

TABLE 2

GROUNDWATER ELEVATIONS AND NAPL MEASUREMENTS

RG&E East Station Former MGP Site

Rochester, New York

Well ID	TOC ⁽¹⁾ Elevation ⁽²⁾	October 13, 2008				February 9 and 10, 2009				May 18, 2009				August 17 and 18, 2009			
		Depth to Groundwater (feet from TOC)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Groundwater Elevation ⁽²⁾	Depth to Groundwater (feet from TOC)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Groundwater Elevation ⁽²⁾	Depth to Groundwater (feet from TOC)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Groundwater Elevation ⁽²⁾	Depth to Groundwater (feet from TOC)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Groundwater Elevation ⁽²⁾
Shallow Bedrock Monitoring Wells																	
DW-1R	401.04	14.61	NP ⁽³⁾	NP	386.43	9.43	NP	NP	391.61	10.26	TRACE	NP	390.78	10.31	NP	NP	390.73
DW-3R	407.42	18.90	NP	NP	388.52	16.26	NP	NP	391.16	15.97	NP	NP	391.45	15.56	NP	NP	391.86
MW-3DR	401.02	14.54	NP	NP	386.48	9.40	NP	NP	391.62	10.26	NP	NP	390.76	10.31	NP	NP	390.71
MW-5R	410.50	18.93	TRACE	NP	391.57	17.56	NP	NP	392.94	17.43	NP	NP	393.07	16.74	TRACE	NP	393.76
MW-8DR	411.63	20.64	NP	NP	390.99	17.74	NP	NP	393.89	18.16	NP	NP	393.47	17.17	NP	NP	394.46
ISS Barrier Monitoring Wells																	
MW-2R	401.62	15.28	NP	NP	386.34	1.10	NP	NP	400.52	10.89	NP	NP	390.73	10.94	NP	NP	390.68
MW-4R	403.25	14.83	NP	NP	388.42	11.42	NP	NP	391.83	11.58	TRACE	NP	391.67	11.07	NP	NP	392.18
PZ-01R	411.80	21.71	NP	NP	390.09	20.12	NP	NP	391.68	19.84	TRACE	NP	391.96	19.48	NP	NP	392.32
Recovery Wells																	
RW-1	412.71	18.38	NP	NP	394.33	16.81	NP	NP	395.90	18.15	NP	NP	394.56	17.47	NP	NP	395.24
RW-2	412.51	18.13	NP	NP	394.38	16.54	NP	NP	395.97	17.83	NP	NP	394.68	17.20	NP	NP	395.31
RW-3	412.35	17.94	NP	NP	394.41	16.35	NP	NP	396.00	17.70	NP	NP	394.65	17.00	NP	NP	395.35
RW-4	411.97	17.54	NP	NP	394.43	15.91	NP	NP	396.06	17.30	NP	NP	394.67	16.61	NP	NP	395.36
RW-5	411.86	17.22	NP	NP	394.64	17.80	0.03	NP	394.09	NM ⁽⁴⁾	NM	NM	NM	16.47	0.04	NP	395.43
RW-6	410.17	16.03	NP	NP	394.14	14.06	NP	NP	396.11	15.51	NP	NP	394.66	15.29	NP	NP	394.88
RW-7	410.25	16.03	NP	NP	394.22	14.00	NP	NP	396.25	15.54	TRACE	NP	394.71	15.32	NP	NP	394.93
RW-8	407.69	13.61	NP	NP	394.08	11.55	NP	NP	396.14	12.97	NP	NP	394.72	12.76	NP	NP	394.93
RW-9	406.90	13.00	NP	NP	393.90	10.71	NP	NP	396.19	12.22	TRACE	NP	394.68	11.95	NP	NP	394.95
RW-10	405.53	12.17	NP	NP	393.36	9.34	NP	NP	396.19	10.93	NP	NP	394.60	10.66	NP	NP	394.87
RW-11	404.19	11.42	NP	NP	392.77	8.02	NP	NP	396.17	9.63	NP	NP	394.56	9.39	NP	NP	394.80
RW-12	403.60	11.23	TRACE	NP	392.37	7.65	NP	NP	395.95	9.08	NP	NP	394.52	8.80	NP	NP	394.80
RW-13	404.64	12.49	TRACE	NP	392.15	9.21	NP	NP	395.43	10.56	NP	NP	394.08	10.35	NP	NP	394.29
RW-14	401.72	9.51	NP	NP	392.21	6.70	NP	NP	395.02	7.67	NP	NP	394.05	7.45	NP	NP	394.27
RW-15	401.86	9.66	NP	NP	392.20	6.97	TRACE	NP	394.89	7.86	NP	NP	394.00	7.66	NP	NP	394.20
RW-16	402.08	9.82	NP	NP	392.26	7.17	NP	NP	394.91	8.06	NP	NP	394.02	7.85	NP	NP	394.23
RW-17	402.02	9.75	NP	NP	392.27	7.16	NP	NP	394.86	8.00	NP	NP	394.02	7.80	NP	NP	394.22
RW-18	402.49	10.25	NP	NP	392.24	7.61	NP	NP	394.88	8.47	NP	NP	394.02	8.27	NP	NP	394.22
RW-19	402.43	10.18	NP	NP	392.25	7.52	TRACE	NP	394.91	8.43	NP	NP	394.00	8.23	NP	NP	394.20
RW-20	406.02	13.74	NP	NP	392.28	11.12	NP	NP	394.90	12.00	NP	NP	394.02	11.80	NP	NP	394.22
RW-21	403.25	11.03	NP	NP	392.22	7.11	NP	NP	396.14	8.93	TRACE	NP	394.32	8.71	NP	NP	394.54
RW-22	403.64	11.56	NP	NP	392.08	7.54	NP	NP	396.10	9.34	TRACE	NP	394.30	9.14	NP	NP	394.50
RW-23	413.72	16.13	NP	NP	397.59	14.00	NP	NP	399.72	14.86	NP	NP	398.86	14.52	NP	NP	399.20
Shallow Monitoring Wells																	
TPMW-1	419.06	19.54	NP	NP	399.52	17.65	NP	NP	401.41	18.17	NP	NP	400.89	17.60	NP	NP	401.46
TPMW-2	414.79	17.46	NP	NP	397.33	11.47	TRACE	NP	403.32	15.72	NP	NP	399.07	15.62	NP	NP	399.17

Notes:

- (1) TOC - top of casing
- (2) Well elevation datum is NAVD 1988. Groundwater elevation calculated as elevation of the groundwater in the well plus the thickness of LNAPL (when present) based on assumption of an LNAPL density of approximately 1.
- (3) NP - Not Present
- (4) NM - Not Measured
- (5) During the May 4, 2010 gauging, trace DNAPL was measured in DW-3R. After purging well, 0.33 feet of DNAPL was measured on May 5, 2010

Well ID	TOC ⁽¹⁾ Elevation ⁽²⁾	November 17, 2009				May 4 and 5, 2010				October 12 and 13, 2010				May 16, 2011			
		Depth to Groundwater (feet from TOC)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Groundwater Elevation ⁽²⁾	Depth to Groundwater (feet from TOC)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Groundwater Elevation ⁽²⁾	Depth to Groundwater (feet from TOC)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Groundwater Elevation ⁽²⁾	Depth to Groundwater (feet from TOC)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Groundwater Elevation ⁽²⁾
Shallow Bedrock Monitoring Wells																	
DW-1R	401.04	10.39	TRACE	NP	390.65	10.21	NP	NP	390.83	10.33	NP	NP	390.71	10.12	NP	NP	390.92
DW-3R	407.42	15.55	NP	NP	391.87	15.65	NP	0.33 ⁽⁵⁾	391.77	15.50	NP	0.05	391.92	14.09	NP	0.02	393.33
MW-3DR	401.02	11.33	NP	NP	389.69	10.20	NP	NP	390.82	9.86	NP	NP	391.16	10.15	NP	NP	390.87
MW-5R	410.50	17.32	NP	NP	393.18	17.04	NP	0.21	393.46	17.08	NP	0.10	393.42	15.63	NP	0.08	394.87
MW-8DR	411.63	18.11	NP	NP	393.52	18.00	NP	NP	393.63	18.65	NP	NP	392.98	17.48	NP	NP	394.15
ISS Barrier Monitoring Wells																	
MW-2R	401.62	10.87	NP	NP	390.75	10.75	NP	NP	390.87	10.45	NP	NP	391.17	10.88	NP	NP	390.74
MW-4R	403.25	11.59	NP	NP	391.66	11.31	NP	NP	391.94	11.16	NP	NP	392.09	10.49	NP	NP	392.76
PZ-01R	411.80	19.51	TRACE	NP	392.29	19.40	NP	NP	392.40	18.85	NP	NP	392.95	18.30	NP	NP	393.50
Recovery Wells																	
RW-1	412.71	17.49	NP	NP	395.22	17.55	NP	NP	395.16	16.91	NP	NP	395.80	15.05	NP	NP	397.66
RW-2	412.51	17.52	NP	NP	394.99	17.26	NP	NP	395.25	16.65	NP	NP	395.86	14.25	NP	NP	398.26
RW-3	412.35	17.54	NP	NP	394.81	17.05	NP	NP	395.30	16.45	NP	NP	395.90	14.41	NP	NP	397.94
RW-4	411.97	16.96	NP	NP	395.01	16.66	NP	NP	395.31	16.03	NP	NP	395.94	14.05	NP	NP	397.92
RW-5	411.86	16.64	0.08	NP	395.30	16.62	0.07	1.35	395.31	16.10	0.15	NP	395.91	13.81	0.08	NP	398.13
RW-6	410.17	15.45	NP	NP	394.72	14.68	NP	NP	395.49	14.31	NP	NP	395.86	12.08	NP	NP	398.09
RW-7	410.25	15.53	NP	NP	394.72	14.72	NP	TRACE	395.53	14.30	NP	NP	395.95	12.11	NP	NP	398.14
RW-8	407.69	12.97	NP	NP	394.72	12.11	NP	NP	395.58	11.74	NP	NP	395.95	9.54	NP	NP	398.15
RW-9	406.90	12.26	NP	NP	394.64	11.35	NP	NP	395.55	10.90	NP	NP	396.00	8.76	NP	NP	398.14
RW-10	405.53	10.95	NP	NP	394.58	9.95	NP	NP	395.58	9.55	NP	NP	395.98	7.34	NP	NP	398.19
RW-11	404.19	9.69	NP	NP	394.50	8.66	TRACE	NP	395.53	8.26	NP	NP	395.93	6.05	NP	TRACE	398.14
RW-12	403.60	9.06	NP	NP	394.54	8.07	NP	NP	395.53	7.65	NP	NP	395.95	5.40	NP	TRACE	398.20
RW-13	404.64	10.43	NP	NP	394.21	9.57	NP	TRACE	395.07	9.11	NP	NP	395.53	6.98	NP	NP	397.66
RW-14	401.72	7.90	NP	NP	393.82	6.68	NP	NP	395.04	6.20	NP	NP	395.52	4.16	NP	NP	397.56
RW-15	401.86	8.16	NP	NP	393.70	6.82	NP	TRACE	395.04	6.35	NP	NP	395.51	4.31	NP	NP	397.55
RW-16	402.08	7.96	NP	NP	394.12	7.01	NP	NP	395.07	6.58	NP	NP	395.50	4.54	NP	NP	397.54
RW-17	402.02	7.84	NP	NP	394.18	6.97	NP	NP	395.05	6.51	NP	NP	395.51	4.49	NP	NP	397.53
RW-18	402.49	9.03	NP	NP	393.46	7.50	NP	NP	394.99	7.03	NP	NP	395.46	4.95	NP	NP	397.54
RW-19	402.43	8.30	NP	NP	394.13	7.45	NP	NP	394.98	7.00	NP	NP	395.43	5.93	NP	TRACE	396.50
RW-20	406.02	11.85	NP	NP	394.17	10.95	NP	NP	395.07	10.51	NP	NP	395.51	8.46	NP	TRACE	397.56
RW-21	403.25	8.93	TRACE	NP	394.32	7.83	NP	NP	395.42	7.42	NP	NP	395.83	5.06	NP	NP	398.19
RW-22	403.64	9.35	TRACE	NP	394.29	8.30	NP	NP	395.34	7.88	NP	NP	395.76	5.56	NP	NP	398.08
RW-23	413.72	9.84	NP	NP	403.88	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Shallow Monitoring Wells																	
TPMW-1	419.06	18.74	NP	NP	400.32	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
TPMW-2	414.79	16.09	NP	NP	398.70	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

Notes:

- (1) TOC - top of casing
- (2) Well elevation datum is NAVD 1988. Groundwater elevation calculated as elevation of the groundwater in the well plus the thickness of LNAPL (when present) based on assumption of an LNAPL density of approximately 1.
- (3) NP - Not Present
- (4) NM - Not Measured
- (5) During the May 4, 2010 gauging, trace DNAPL was measured in DW-3R. After purging well, 0.33 feet of DNAPL was measured on May 5, 2010

TABLE 2
GROUNDWATER ELEVATIONS AND NAPL MEASUREMENTS
RG&E East Station Former MGP Site
Rochester, New York

Well ID	TOC ⁽¹⁾ Elevation ⁽²⁾	November 3, 2011				May 14, 2012			
		Depth to Groundwater (feet from TOC)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Groundwater Elevation ⁽²⁾	Depth to Groundwater (feet from TOC)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Groundwater Elevation ⁽²⁾
Shallow Bedrock Monitoring Wells									
DW-1R	401.04	11.58	NP	NP	389.46	10.25	NP	NP	390.79
DW-3R	407.42	15.35	NP	0.40	392.07	15.28	NP	0.30	392.14
MW-3DR	401.02	11.56	NP	NP	389.46	10.22	NP	NP	390.80
MW-5R	410.50	16.15	NP	0.10	394.35	16.31	NP	0.35	394.19
MW-8DR	411.63	18.15	NP	NP	393.48	17.98	NP	NP	393.65
ISS Barrier Monitoring Wells									
MW-2R	401.62	12.15	NP	NP	389.47	10.81	NP	NP	390.81
MW-4R	403.25	11.38	NP	NP	391.87	11.11	NP	NP	392.14
PZ-01R	411.80	20.09	NP	NP	391.71	19.19	NP	NP	392.61
Recovery Wells									
RW-1	412.71	15.65	NP	NP	397.06	16.15	NP	NP	396.56
RW-2	412.51	15.41	NP	NP	397.10	15.90	NP	NP	396.61
RW-3	412.35	15.19	NP	NP	397.16	15.70	NP	NP	396.65
RW-4	411.97	14.75	NP	NP	397.22	15.20	NP	NP	396.77
RW-5	411.86	14.70	0.80	NP	397.96	15.25	0.15	NP	396.76
RW-6	410.17	12.95	NP	NP	397.22	13.45	NP	NP	396.72
RW-7	410.25	14.99	NP	NP	395.26	13.48	NP	NP	396.77
RW-8	407.69	10.29	NP	NP	397.40	10.75	NP	NP	396.94
RW-9	406.90	9.57	NP	NP	397.33	10.05	NP	NP	396.85
RW-10	405.53	8.87	NP	NP	396.66	8.65	NP	NP	396.88
RW-11	404.19	6.66	NP	NP	397.53	7.30	TRACE	NP	396.89
RW-12	403.60	6.15	NP	NP	397.45	6.75	NP	NP	396.85
RW-13	404.64	7.75	NP	NP	396.89	8.50	NP	NP	396.14
RW-14	401.72	4.95	NP	NP	396.77	5.30	NP	NP	396.42
RW-15	401.86	5.11	NP	NP	396.75	5.45	NP	NP	396.41
RW-16	402.08	5.32	NP	NP	396.76	5.70	NP	NP	396.38
RW-17	402.02	5.28	NP	NP	396.74	5.65	NP	NP	396.37
RW-18	402.49	5.79	NP	NP	396.70	6.15	NP	NP	396.34
RW-19	402.43	5.73	NP	NP	396.70	6.05	NP	NP	396.38
RW-20	406.02	9.27	NP	NP	396.75	9.65	NP	NP	396.37
RW-21	403.25	5.85	NP	NP	397.40	6.40	NP	NP	396.85
RW-22	403.64	6.34	NP	NP	397.30	6.80	TRACE	NP	396.84
RW-23	413.72	NM	NM	NM	NM	NM	NM	NM	NM
Shallow Monitoring Wells									
TPMW-1	419.06	NM	NM	NM	NM	NM	NM	NM	NM
TPMW-2	414.79	NM	NM	NM	NM	NM	NM	NM	NM

Notes:

- (1) TOC - top of casing
(2) Well elevation datum is NAVD 1988. Groundwater elevation calculated as elevation of the groundwater in the well plus the thickness of LNAPL (when present) based on assumption of an LNAPL density of approximately 1.
(3) NP - Not Present
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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
FOR THE SHALLOW BEDROCK MONITORING WELLS - OCTOBER 2008 THROUGH MAY 2012
RG&E East Station Former MGP Site
Rochester, New York

Parameter	Units	DW-1R 10/14/2008	DW-1R 5/19/2009	DW-1R 5/4/2010	DW-1R 10/12/2010	DW-1R 5/17/2011	DW-1R 11/3/2011	DW-1R 5/15/2012	DW-3R 10/15/2008	DW-3R 5/19/2009	DW-3R 5/5/2010	DW-3R 10/13/2010	DW-3R 5/18/2011	DW-3R 11/3/2011	DW-3R 5/15/2012
<u>Volatiles</u>															
Benzene	µg/L	37,000	2,000 D	39,000 D	38,000	39,000 D	30,000 D	42,000	19,000	17,000 D	23,000 D	20,000	11,000 D	NS	NS
Toluene	µg/L	13,000	270	8,900 D	11,000	12,000 D	7,900	11,000	2,100	2,300	2,200	1,600	2,300	NS	NS
Ethylbenzene	µg/L	3,500	170	3,000	3,800	4,000	2,400	3,100	1,800	1,300	1,800	2,200	2,400	NS	NS
Xylenes, Total	ug/L	4,200	290	3,600	4,400	4,900	2,800	3,800	1,900	2,500	2,100	2,100	3,000	NS	NS
<u>Semi-Volatiles</u>															
Naphthalene	µg/L	2,900	1.4	4,100	5,000 D	4,300 D	2,500	4,000 D	920	2,700 D	6,700	20,000 D	5,500 D	NS	NS
2-Methylnaphthalene	µg/L	410	3.2	430	440 D	460 D	270	320 D	93	240 D	1,100	8,700 D	860	NS	NS
Acenaphthylene	µg/L	130 J	2.8	24 U	8.9	11	99 U	3.9 J	83 U	7.3	51	260 J	39 J	NS	NS
Acenaphthene	µg/L	34 J	6.1	98	65 J	120	73 J	69	39 J	61	310	3,100 D	200	NS	NS
Fluorene	µg/L	210 U	2.6	27 J	23 J	38	20 J	20	10 J	18	130	1,700 D	67	NS	NS
Phenanthrene	µg/L	210 U	1.8	27	26	42	24 J	23	9.8 J	17	300	4,900 D	84	NS	NS
Anthracene	µg/L	210 U	0.48 U	24 UJ	4.0	7.4	23 J	4.3 J	83 U	4.1	77	1,300 D	19 J	NS	NS
Fluoranthene	µg/L	210 U	0.48 U	24 UJ	1.0	2.5 J	99 U	1.1 J	83 U	1.9	69	1,300 D	11 J	NS	NS
Pyrene	µg/L	210 U	0.48 U	24 UJ	1.0	2.9 J	99 U	1.2 J	83 U	2.6	110	2,000 D	17 J	NS	NS
Benz[a]anthracene	µg/L	210 U	0.48 U	24 UJ	0.48 U	4.8 U	99 U	4.7 U	83 U	0.61	38	280 J	5.0 J	NS	NS
Chrysene	µg/L	210 U	0.48 U	24 UJ	0.48 UJ	4.8 U	99 U	4.7 U	83 U	0.60	32	230 J	3.5 J	NS	NS
Benzo[b]fluoranthene	µg/L	210 U	0.48 U	24 UJ	0.48 U	4.8 U	99 U	4.7 U	83 U	0.49 U	30 U	150 J	52 U	NS	NS
Benzo[k]fluoranthene	µg/L	210 U	0.48 U	24 UJ	0.48 UJ	4.8 U	99 U	4.7 U	83 U	0.49 U	30 U	64 J	52 U	NS	NS
Benzo[a]pyrene	µg/L	210 U	0.48 U	24 U	0.48 U	4.8 U	99 U	4.7 U	83 U	1.5	48	250 J	52 U	NS	NS
Indeno[1,2,3-cd]pyrene	µg/L	210 U	0.48 U	24 UJ	0.48 UJ	4.8 U	99 U	4.7 UJ	83 U	0.49 U	30 U	70 J	52 U	NS	NS
Dibenz[a,h]anthracene	µg/L	210 U	0.48 U	24 UJ	0.48 UJ	4.8 U	99 U	4.7 UJ	83 U	0.49 U	30 U	2.8 UJ	52 U	NS	NS
Benzo[g,h,i]perylene	µg/L	210 U	0.48 U	24 UJ	0.48 UJ	4.8 U	99 U	4.7 UJ	83 U	0.49 U	30 U	94 J	52 U	NS	NS
<u>Cyanide</u>															
Cyanide, Total	µg/L	1,000	1,020 J	1,090	976	850 J	710 J	860	260	164 J	212	282	370	NS	NS
<u>Field Data</u>															
Conductivity	µS/cm	3,100	3,020	3,560	4,440	3,280	4,100	4,410	1,057	1,200	869	1,390	1,313	NS	NS
pH	SU	7.27	8.07	6.92	6.63	6.85	7.13	6.91	7.18	8.08	7.39	6.99	7.13	NS	NS
Temperature	C	17.5	15.7	12.8	11.41	8.98	11.5	16.19	15.2	13.4	15.7	13.88	11.52	NS	NS
Turbidity	NTU	10	130	1.4	4.2	7.0	0.0	0.0	15	47	10	12.2	137	NS	NS
ORP	mV	-235	-125	-342	-326	-231.4	-344	-346	-13	-196	-56	-153	-188.4	NS	NS
DO	mg/L	2.89	NA	0.14	0.42	1.40	0.0	2.50	0.80	NA	0.00	1.41	0.61	NS	NS

Notes:

D - Indicates that the result is from a diluted run

J - Indicates an estimated value.

U - Indicates that the constituent was not detected at the reported detection limit.

R - Indicates that the result was rejected due to surrogate recoveries, which were recovered at 0%.

NA - Not available - readings were not accurate

NS - Not sampled

TABLE 3
GROUNDWATER ANALYTICAL RESULTS
FOR THE SHALLOW BEDROCK MONITORING WELLS - OCTOBER 2008 THROUGH MAY 2012
RG&E East Station Former MGP Site
Rochester, New York

Parameter	Units	MW-3DR 10/14/2008	MW-3DR 5/19/2009	MW-3DR 5/5/2010	MW-3DR 10/13/2010	MW-3DR 5/18/2011	MW-3DR 11/3/2011	MW-3DR 5/15/2012	MW-5R 10/15/2008	MW-5R 5/19/2009	MW-5R 5/5/2010	MW-5R 10/13/2010	MW-5R 5/17/2011	MW-5R 11/3/2011	MW-5R 5/15/2012
<u>Volatiles</u>															
Benzene	µg/L	19,000	27,000 D	2,500 D	1,500	2,700 D	1,100 D	910 D	25,000	38,000 D	32,000 J	27,000	NS	NS	NS
Toluene	µg/L	9,700	5,500	360	290	460	110 D	100	6,000	6,900 J	3,600	2,800	NS	NS	NS
Ethylbenzene	µg/L	4,800	5,700	1,700	1,400	1,800 D	990 D	910 D	2,600	3,200 J	1,500	1,700	NS	NS	NS
Xylenes, Total	ug/L	4,100	3,900	680	560	780	320 D	270	4,100	4,400 J	2,200	2,400	NS	NS	NS
<u>Semi-Volatiles</u>															
Naphthalene	µg/L	2,500	3,900 D	1,600	1,000 DJ	930 D	650	470 D	8,200	4,500 D	7,300	7,500 D	NS	NS	NS
2-Methylnaphthalene	µg/L	180 J	220 D	84	46	53	30	21	1,000	490 D	1,100	960 D	NS	NS	NS
Acenaphthylene	µg/L	70 J	62	9.8	9.0	16	4.4 J	3.6 J	130 J	61	99	61	NS	NS	NS
Acenaphthene	µg/L	47 J	14	53	31	55	35	26	120 J	72	230	180 D	NS	NS	NS
Fluorene	µg/L	200 U	7.9	7.4 J	6.3	9.5	5.5 J	5.3	78 J	48	160	83	NS	NS	NS
Phenanthrene	µg/L	200 U	5.9	8.6 J	6.0	7.1	2.9 J	2.7 J	110 J	85	370	180 D	NS	NS	NS
Anthracene	µg/L	200 U	0.80	9.8 U	0.67	1.1 J	25 U	5.0 U	420 U	17	78	31	NS	NS	NS
Fluoranthene	µg/L	200 U	0.47 U	9.8 U	0.19 J	4.7 U	25 U	5.0 U	420 U	15	79	25	NS	NS	NS
Pyrene	µg/L	200 U	0.47 U	9.8 U	0.19 J	4.7 U	25 U	5.0 UJ	420 U	23	130	36	NS	NS	NS
Benz[a]anthracene	µg/L	200 U	0.47 U	9.8 U	0.52 U	4.7 U	25 U	5.0 U	420 U	8.2	48	13	NS	NS	NS
Chrysene	µg/L	200 U	0.47 U	9.8 U	0.52 U	4.7 U	25 U	5.0 U	420 U	6.8	39	9.1	NS	NS	NS
Benzo[b]fluoranthene	µg/L	200 U	0.47 U	9.8 U	0.52 U	4.7 U	25 U	5.0 U	420 U	5.2	15 J	6.1	NS	NS	NS
Benzo[k]fluoranthene	µg/L	200 U	0.47 U	9.8 U	0.52 U	4.7 U	25 U	5.0 U	420 U	0.49 U	10 J	1.9	NS	NS	NS
Benzo[a]pyrene	µg/L	200 U	0.47 U	9.8 U	0.52 U	4.7 U	25 U	5.0 U	420 U	6.4	48	10	NS	NS	NS
Indeno[1,2,3-cd]pyrene	µg/L	200 U	0.47 U	9.8 U	0.52 U	4.7 U	25 U	5.0 UJ	420 U	3.2	31 U	2.4	NS	NS	NS
Dibenz[a,h]anthracene	µg/L	200 U	0.47 U	9.8 U	0.52 U	4.7 U	25 U	5.0 UJ	420 U	2.7	31 U	0.54 U	NS	NS	NS
Benzo[g,h,i]perylene	µg/L	200 U	0.47 U	9.8 U	0.52 U	4.7 U	25 U	5.0 UJ	420 U	3.4	31 U	3.1	NS	NS	NS
<u>Cyanide</u>															
Cyanide, Total	µg/L	1,000	1,470 J	1,100 J	1,240	2,900 J	1,200 J	1,100	68	372 J	480	270	NS	NS	NS
<u>Field Data</u>															
Conductivity	µS/cm	2,993	4,500	3,880	4,360	3,206	3,370	3,150	872	2,810	2,040	2,430	NS	NS	NS
pH	SU	7.52	7.83	7.22	6.98	7.00	7.19	7.67	9.90	7.00	7.35	6.99	NS	NS	NS
Temperature	C	17.3	15.0	15.0	15.2	10.25	12.49	17.63	14.6	14.9	16.7	14.71	NS	NS	NS
Turbidity	NTU	0	27	0	3.9	3.0	8.7	10.3	5.0	48	10	10.4	NS	NS	NS
ORP	mV	-163	-200	-358	-322	-266	-296	-312	-250	-120	-153	-103	NS	NS	NS
DO	mg/L	0.30	NA	0.00	0.97	1.11	1.18	0.35	2.36	NA	0.84	0.57	NS	NS	NS

Notes:

D - Indicates that the result is from a diluted run

J - Indicates an estimated value.

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TABLE 3
GROUNDWATER ANALYTICAL RESULTS
FOR THE SHALLOW BEDROCK MONITORING WELLS - OCTOBER 2008 THROUGH MAY 2012
RG&E East Station Former MGP Site
Rochester, New York

Parameter	Units	MW-8DR 10/14/2008	MW-8DR 5/19/2009	MW-8DR 5/5/2010	MW-8DR 10/13/2010	MW-8DR 5/18/2011	MW-8DR 11/4/2011	MW-8DR 5/15/2012
<u>Volatiles</u>								
Benzene	µg/L	37,000	18,000 D	60,000 D	30,000 D	23,000 D	47,000 D	34,000 D
Toluene	µg/L	2,000 U	55 J	100 U	210	64	36	120 J
Ethylbenzene	µg/L	1,900 J	840	2,600	1,700	740 D	2,300 D	1,900 D
Xylenes, Total	ug/L	1,300 J	470	1,700	820	600	1,700 D	750 JD
<u>Semi-Volatiles</u>								
Naphthalene	µg/L	6,000 J	1,300 D	6,000	7,300 D	4,600 D	6,500	3,900 D
2-Methylnaphthalene	µg/L	690 J	98	530	690 D	570 D	690	350 JD
Acenaphthylene	µg/L	-- R	1.3	29 U	6.2	4.1 J	530 U	2.4 J
Acenaphthene	µg/L	140 J	30	110	150 D	160	170 J	80
Fluorene	µg/L	-- R	7.4	27 J	33	39	43 J	23
Phenanthrene	µg/L	-- R	3.8	26 J	27	29	49 J	20
Anthracene	µg/L	-- R	0.77	29 U	4.4	5.6	530 U	3.3 J
Fluoranthene	µg/L	-- R	0.48 U	29 U	0.52 J	1.1 J	530 U	0.87 J
Pyrene	µg/L	-- R	0.48 U	29 U	0.63	1.2 J	530 U	0.88 J
Benz[a]anthracene	µg/L	-- R	0.48 U	29 U	0.58 U	5.0 U	530 U	4.7 U
Chrysene	µg/L	-- R	0.48 U	29 U	0.58 U	5.0 U	530 U	4.7 U
Benzo[b]fluoranthene	µg/L	-- R	0.48 U	29 U	0.58 U	5.0 U	530 U	4.7 U
Benzo[k]fluoranthene	µg/L	-- R	0.48 U	29 U	0.58 U	5.0 U	530 U	4.7 U
Benzo[a]pyrene	µg/L	-- R	0.48 U	29 U	0.58 U	5.0 U	530 U	4.7 U
Indeno[1,2,3-cd]pyrene	µg/L	-- R	0.48 U	29 U	0.58 U	5.0 U	530 U	4.7 UJ
Dibenz[a,h]anthracene	µg/L	-- R	0.48 U	29 U	0.58 U	5.0 U	530 U	4.7 UJ
Benzo[g,h,i]perylene	µg/L	-- R	0.48 U	29 U	0.58 U	0.47 J	530 U	4.7 UJ
<u>Cyanide</u>								
Cyanide, Total	µg/L	85.0	44.3	55.7	53.8	65.0	43.0 J	52.0
<u>Field Data</u>								
Conductivity	µS/cm	2,218	2,710	2,450	3,020	2,073	3,630	3,370
pH	SU	7.19	7.14	7.29	7.08	6.83	7.05	7.29
Temperature	C	16.9	15	16.1	12.5	9.63	11.44	16.42
Turbidity	NTU	40	100	1.3	17.6	5.19	24.7	12.1
ORP	mV	-125	-165	-66	-74	-33.7	-47	-113
DO	mg/L	3.83	NA	1.62	2.78	1.21	5.93	0

Notes:

D - Indicates that the result is from a diluted run

J - Indicates an estimated value.

U - Indicates that the constituent was not detected at the reported detection limit.

R - Indicates that the result was rejected due to surrogate recoveries, which were recovered at 0%.

NA - Not available - readings were not accurate

NS - Not sampled

TABLE 4

EQUIPMENT BLANK RESULTS - MAY 2012
RG&E East Station Former MGP Site
Rochester, New York

Parameter	Units	EQUIPMENT BLANK 11/4/2011
<u>Volatiles</u>		
Benzene	µg/L	1.0 U
Toluene	µg/L	1.0 U
Ethylbenzene	µg/L	1.0 U
Xylenes, Total	ug/L	2.0 U
<u>Semi-Volatiles</u>		
Naphthalene	µg/L	7.4
2-Methylnaphthalene	µg/L	5.0 U
Acenaphthylene	µg/L	5.0 U
Acenaphthene	µg/L	5.0 U
Fluorene	µg/L	5.0 U
Phenanthrene	µg/L	5.0 U
Anthracene	µg/L	5.0 U
Fluoranthene	µg/L	5.0 U
Pyrene	µg/L	5.0 UJ
Benz[a]anthracene	µg/L	5.0 U
Chrysene	µg/L	5.0 U
Benzo[b]fluoranthene	µg/L	5.0 U
Benzo[k]fluoranthene	µg/L	5.0 U
Benzo[a]pyrene	µg/L	5.0 U
Indeno[1,2,3-cd]pyrene	µg/L	5.0 UJ
Dibenz[a,h]anthracene	µg/L	5.0 UJ
Benzo[g,h,i]perylene	µg/L	5.0 UJ
<u>Cyanide</u>		
Cyanide, Total	µg/L	10 U

Notes:

NS - Not sampled

J - Indicates an estimated value.

U - Indicates that the constituent was not detected at the reported detection limit.

TABLE 5

**GROUNDWATER ANALYTICAL RESULTS
FIELD DUPLICATE SAMPLES - MAY 2012
RG&E East Station Former MGP Site
Rochester, New York**

Parameter	Units	MW-3DR 11/3/2011	MW-3DR DUP 11/3/2011	RPD
<u>Volatiles</u>				
Benzene	µg/L	910 D	880 D	3
Toluene	µg/L	100	110	10
Ethylbenzene	µg/L	910 D	880 D	3
Xylenes, Total	ug/L	270	300	11
<u>Semi-Volatiles</u>				
Naphthalene	µg/L	470 D	510 D	8
2-Methylnaphthalene	µg/L	21	22	5
Acenaphthylene	µg/L	3.6 J	4.5 J	22
Acenaphthene	µg/L	26	28	7
Fluorene	µg/L	5.3	5.4	2
Phenanthrene	µg/L	2.7 J	3.3 J	20
Anthracene	µg/L	5.0 U	0.48 J	NC
Fluoranthene	µg/L	5.0 U	4.7 U	NC
Pyrene	µg/L	5.0 UJ	4.7 UJ	NC
Benz[a]anthracene	µg/L	5.0 U	4.7 U	NC
Chrysene	µg/L	5.0 U	4.7 U	NC
Benzo[b]fluoranthene	µg/L	5.0 U	4.7 U	NC
Benzo[k]fluoranthene	µg/L	5.0 U	4.7 U	NC
Benzo[a]pyrene	µg/L	5.0 U	4.7 U	NC
Indeno[1,2,3-cd]pyrene	µg/L	5.0 UJ	4.7 UJ	NC
Dibenz(a,h)anthracene	µg/L	5.0 UJ	4.7 UJ	NC
Benzo[g,h,i]perylene	µg/L	5.0 UJ	4.7 UJ	NC
<u>Cyanide</u>				
Cyanide, Total	µg/L	1,100	1,300	17

Notes:

RPD - Relative percent difference

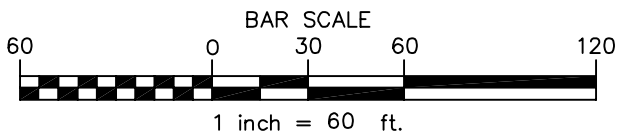
NC - Not calculated, parameter not detected in at least one sample

D - Indicates that the result is from a diluted run

J - Indicates an estimated value.

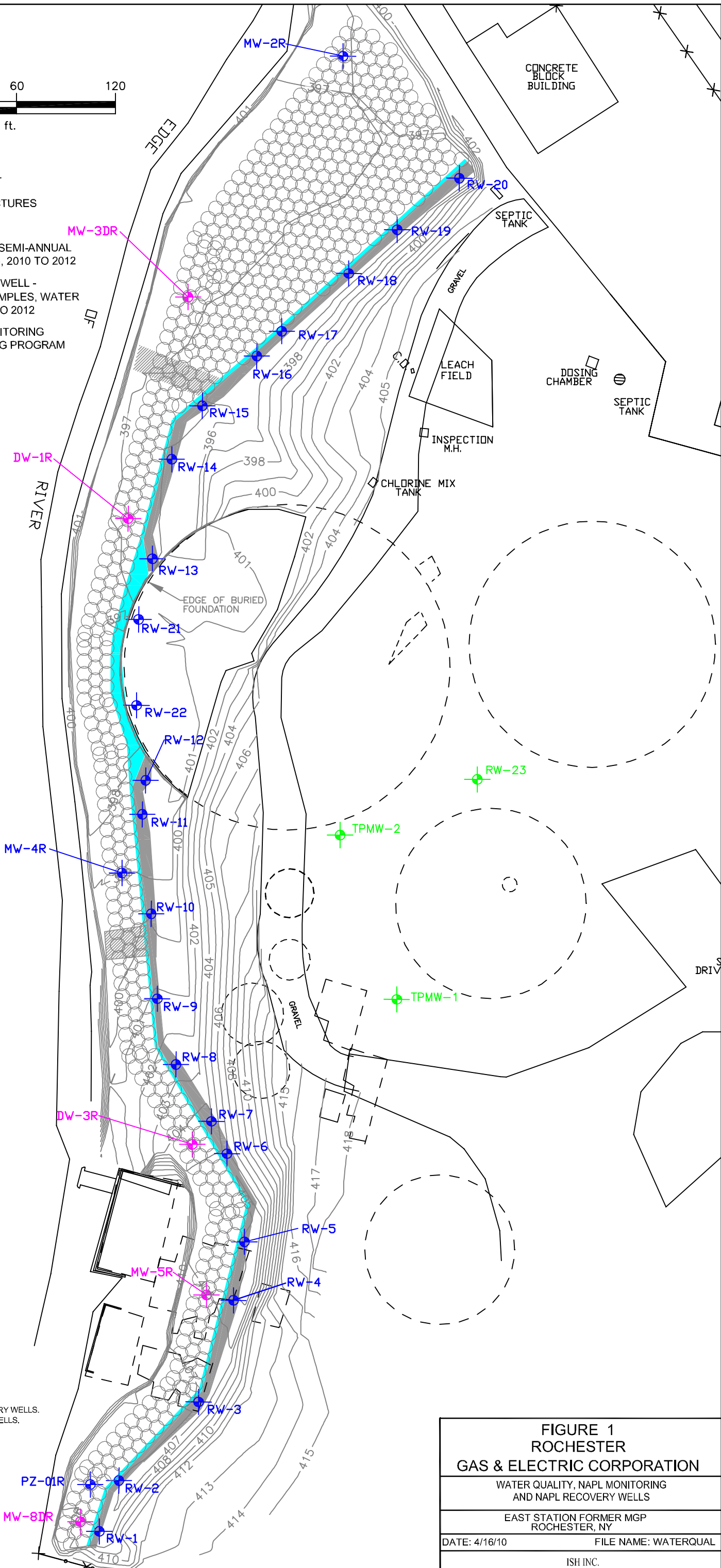
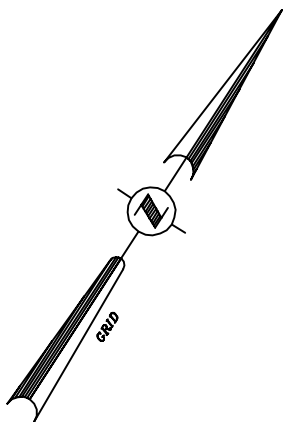
U - Indicates that the constituent was not detected at the reported detection limit.

FIGURES



LEGEND

- NAPL COLLECTION TRENCH
- CEMENT BENTONITE SLURRY WALL
- APPROXIMATE LOCATION OF FOUNDATIONS OF FORMER STRUCTURES
- ISS COLUMN
- RECOVERY WELLS/PIEZOMETER - SEMI-ANNUAL WATER LEVEL AND NAPL GAUGING, 2010 TO 2012
- SHALLOW BEDROCK MONITORING WELL - SEMI-ANNUAL WATER QUALITY SAMPLES, WATER LEVEL AND NAPL GAUGING, 2010 TO 2012
- RECOVERY WELLS/SHALLOW MONITORING WELLS - NOT PART OF MONITORING PROGRAM



NOTES:

1. RW-1 THROUGH RW-20 ARE 8-INCH DIAMETER RECOVERY WELLS.
2. RW-21 AND RW-23 ARE 6-INCH DIAMETER RECOVERY WELLS.
3. THE TPMW AND SHALLOW BEDROCK MONITORING WELLS ARE 2-INCH DIAMETER WELLS.

FIGURE 1
ROCHESTER
GAS & ELECTRIC CORPORATION

WATER QUALITY, NAPL MONITORING
AND NAPL RECOVERY WELLS

EAST STATION FORMER MGP
ROCHESTER, NY

DATE: 4/16/10

FILE NAME: WATERQUAL

ISH INC.

Figure 2
Benzene Concentrations in Shallow Bedrock Wells over Time

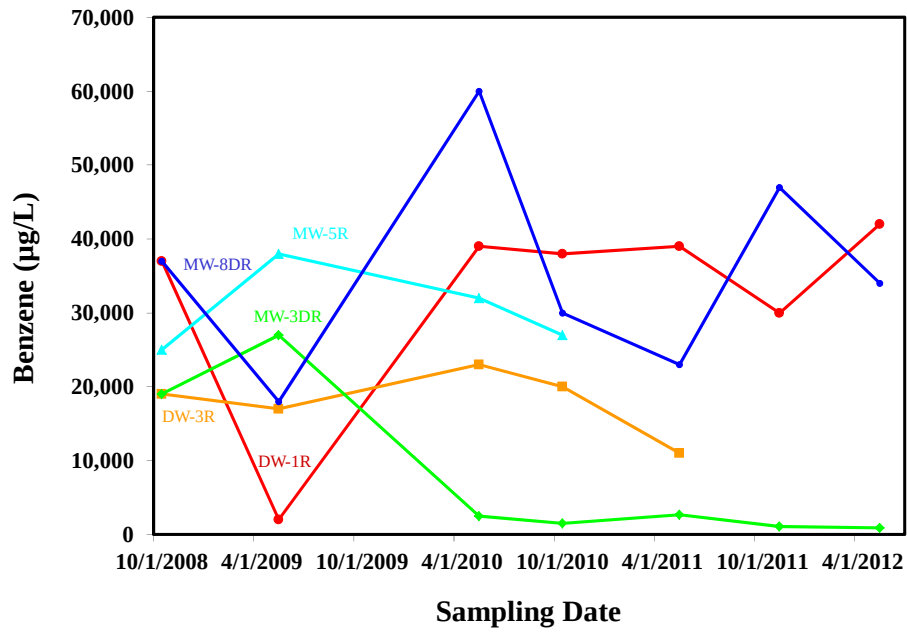


Figure 3
Toluene Concentrations in Shallow Bedrock Wells over Time

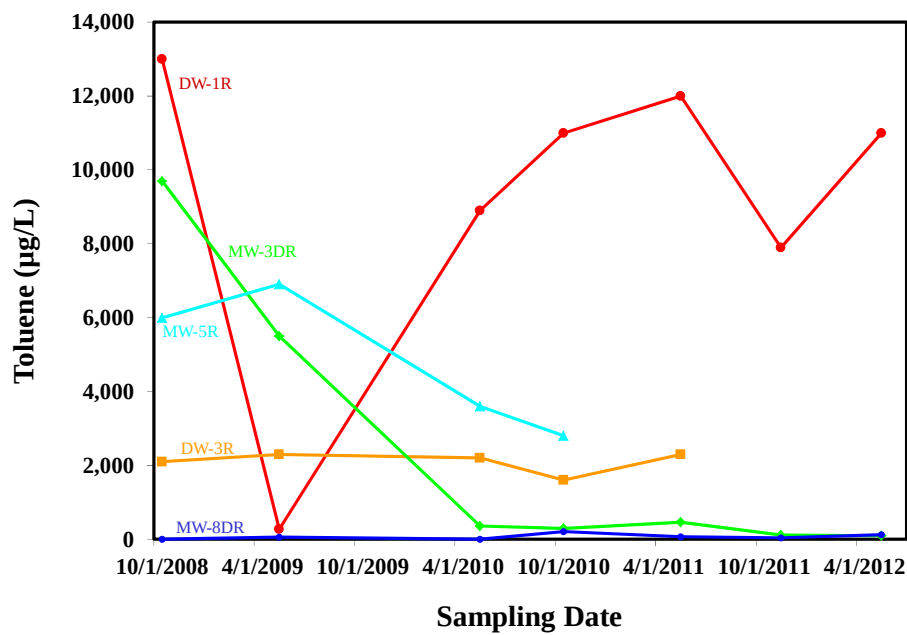


Figure 4
Ethylbenzene Concentrations in Shallow Bedrock Wells over Time

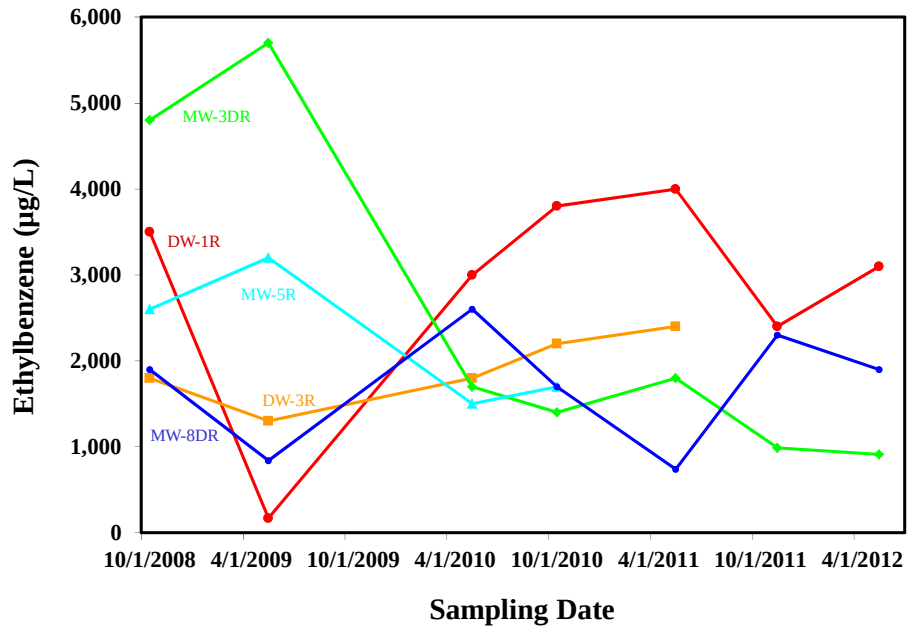


Figure 5
Total Xylene Concentrations in Shallow Bedrock Wells over Time

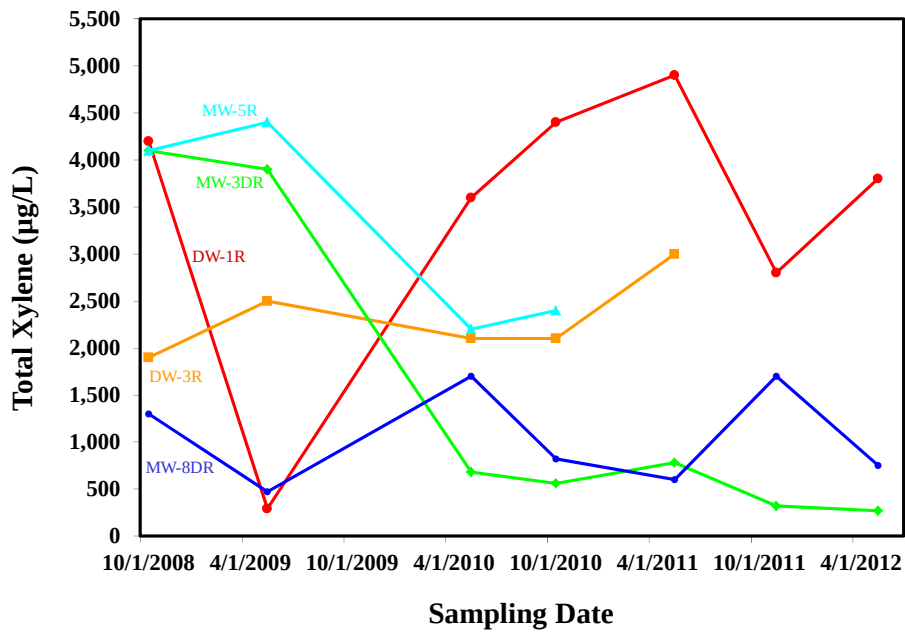


Figure 6
Naphthalene Concentrations in Shallow Bedrock Wells over Time

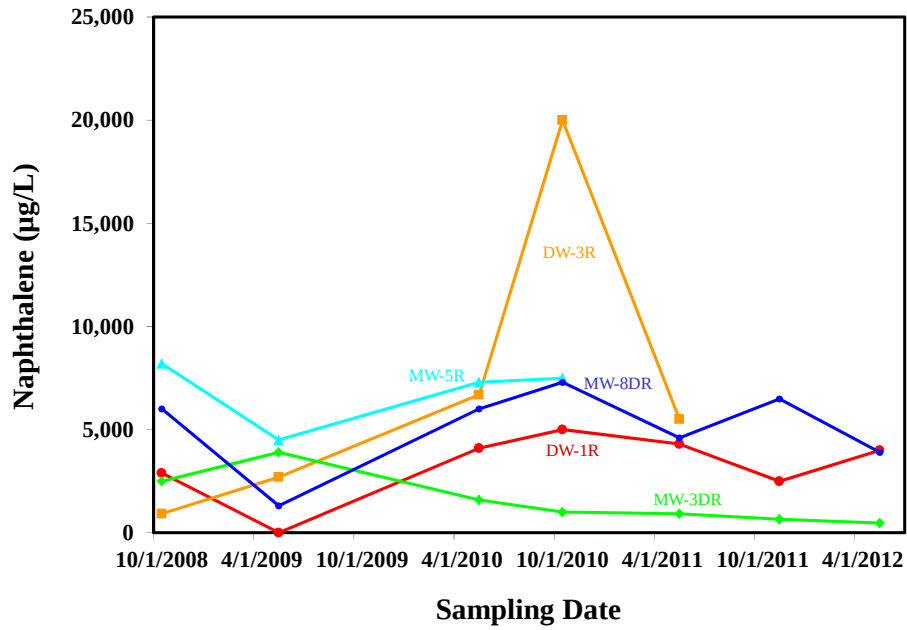


Figure 7
Total Cyanide Concentrations in Shallow Bedrock Wells over Time

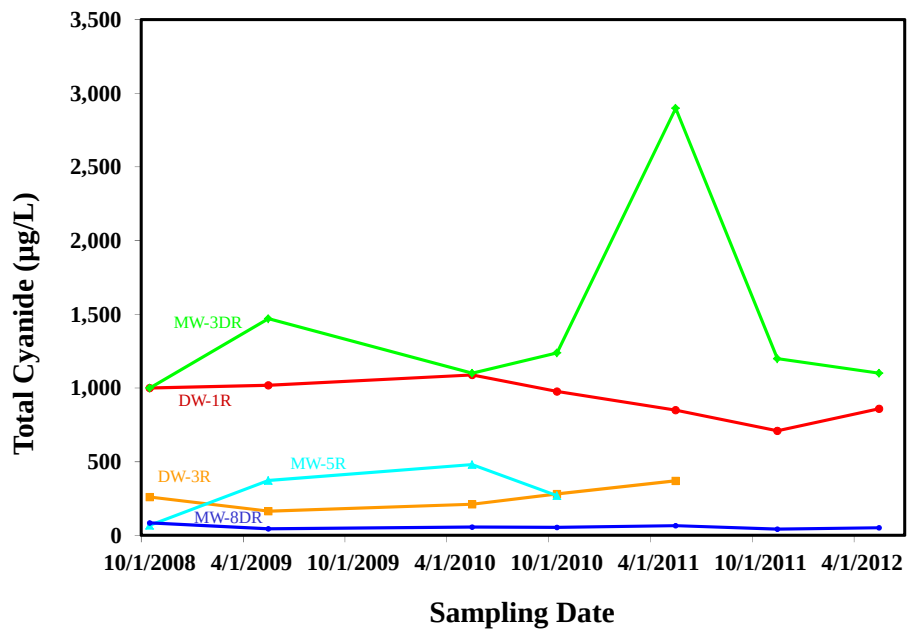
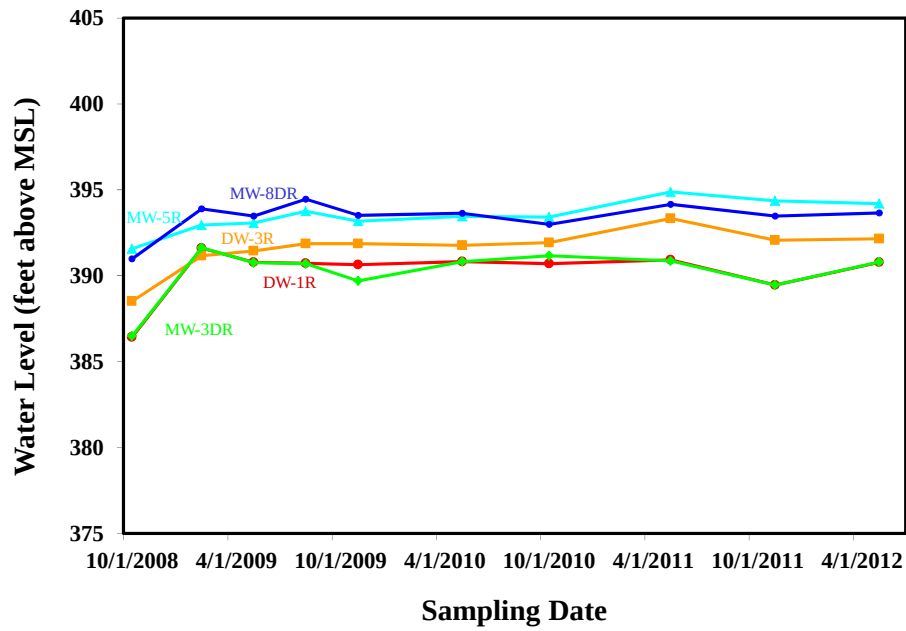


Figure 8
Water Levels in Shallow Bedrock Wells over Time



APPENDIX A

GROUNDWATER SAMPLING FIELD SHEETS

Date: 5/15/12

During purging, actual temp is $\approx 2-3^\circ$ lower

SAMPLE APPEARANCE

Initial Volumes

Turbidity

Color

Odor

Final Volumes

ClearClearMBP-likeClearClearMBP-like**SAMPLES COLLECTED**Sample Time: 11:30 AM

ID	Analysis	Quantity	Volume
<u>DW-1R</u>	<u>BTEX</u>	<u>3</u>	<u>40 mL VOA</u>
<u>DW-1R</u>	<u>PA HS</u>	<u>2</u>	<u>1000 mL</u>
<u>DW-1R</u>	<u>Cyanide</u>	<u>1</u>	<u>250 mL</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

PUMPING RATESAverage Purge 150 mL/minAverage Sampling 150 mL/min**OTHER READINGS**

PID (ppm) _____

CO₂ (mg/L) _____**PURGE WATER DISPOSAL**

On-site storage pending analysis _____

Relinquished to licensed hauler _____

Discharge in sewer (previous analysis completed) _____

Discharge on ground (previous analysis completed) _____

** The Project Manager will instruct the Field Team as to which disposal method is applicable.

COMMENTS (difficulties, condition of casing, locks, etc.)

Client: R6's G
Personnel: BGM/LB

Site: East Station

Weather: overcast then sunny @ 10:00
~ 75

Date: 5/15/12

PUMPING PARAMETERS

Casing inner diameter (gal/foot):

1" (0.041) X 2" (0.16) 4" (0.65) Other _____

Previous Report

Measured Depth

Ref. Location

Height of casing reference above grade

Depth of well from top of casing

Water level from top of casing

Feet of water in casing

· NAPL level from top of casing (if present)

NAPL thickness

Min gallons of purge (feet of water X gal/ft X {2 or 3} well vols.) $(25.26)(.16) \times 2 = 8.08$

Approx. time to purge $\frac{1}{2}$ well volume at 150 mL/min ($\frac{1}{2}$ well in gal X 25.2 min) $\frac{8.08}{4} \times 25.2 = 51 \text{ min}$

Purging Method: Peris. Pump

Bailer

Pos. Disp. Pump

* Other **RED**

Sampling Method: Peris. Pump

Bailer

Pos. Disp. Pump

* Other **GED**

Type of Tubing:

Pumphead

Downhole

Tygon

Teflon

Polyethylene

Silicone

Bailer Type: Teflon

Stainless Steel

Disposable

CHEMICAL PARAMETERS

[illegible]

* readings elevated since well is in direct sunlight.
during pouring. actual temp ~ 2-3° lower

DVP

Sheet 2 of 2

Well Sampling Data Sheet

Well Number: MW-3DR

SAMPLE APPEARANCE

Initial Volumes

Turbidity

Color

Odor

Final Volumes

ClearClearSulfur likeClearClearSulfur like

SAMPLES COLLECTED

Sample Time: 1105

ID	Analysis	Quantity	Volume
<u>MW3DR</u>	<u>BTEX</u>	<u>3</u>	<u>40 mL</u>
<u>MW3DR</u>	<u>PAHS</u>	<u>2</u>	<u>1000 ml</u>
<u>MW3DR</u>	<u>CN</u>	<u>1</u>	<u>250 ml</u>
<u>MW3DR DVP</u>	<u>BTEX</u>	<u>3</u>	<u>40 ml</u>
<u>MW3DR DVP</u>	<u>PAHS</u>	<u>2</u>	<u>1000 ml</u>
<u>MW3DR DVP</u>	<u>CN</u>	<u>1</u>	<u>250 ml</u>

PUMPING RATES

Average Purge 10 mL/minAverage Sampling 150 mL/min

OTHER READINGS-

PID (ppm) _____

CO₂ (mg/L) -

PURGE WATER DISPOSAL

On-site storage pending analysis

Relinquished to licensed hauler

Discharge in sewer (previous analysis completed)

Discharge on ground (previous analysis completed)

X

** The Project Manager will instruct the Field Team as to which disposal method is applicable.

COMMENTS (difficulties, condition of casing, locks, etc.)

X

Date: 5-15-12

_____ 1" (0.041) 2 2" (0.16) _____ 4" (0.65) _____ Other _____

- * Direct sunlight on equipment.

Well Sampling Data Sheet

Well Number: MW-8DR

SAMPLE APPEARANCE

Initial Volumes

Turbidity

Color

Odor

Final Volumes

ClearClearMbP lineClearClearMbP line

SAMPLES COLLECTED

Sample Time: 3:10

ID	Analysis	Quantity	Volume
<u>MW-8DR</u>	<u>BTEX</u>	<u>3</u>	<u>40 ml vial</u>
<u>MW-8DR</u>	<u>PAHs</u>	<u>2</u>	<u>1000 ml</u>
<u>MW-8DR</u>	<u>CW</u>	<u>1</u>	<u>250 ml</u>
<u>MW-8DR</u>			

PUMPING RATES

Average Purge 150 mL/minAverage Sampling 150 mL/min

OTHER READINGS

PID (ppm) _____

CO₂ (mg/L) _____

PURGE WATER DISPOSAL

On-site storage pending analysis

X

Relinquished to licensed hauler

Discharge in sewer (previous analysis completed)

Discharge on ground (previous analysis completed)

** The Project Manager will instruct the Field Team as to which disposal method is applicable.

COMMENTS (difficulties, condition of casing, locks, etc.)

Water Level Work Sheet

Client: DEBE

Site: East station

Date: ~~Sept 16~~ ~~Sept 17~~

Personell: **GB**

Weather: overcast ~ 70°

[illegible]

Water Level Work Sheet

Client: CGE Site: East station Date: 5/19/12
Personnel: BM Weather: Overcast ~ 70

[illegible]

+182 = remove sigal of safe DWAPL / 95d water from well on 5/15/12
W / AED remediation pump

APPENDIX B

LABORATORY ANALYTICAL DATA AND DUSRs

East Station

Site: RGE-East Station
Laboratory: Test America, NY
Report No.: 480-20186-1
Reviewer: Lisa McDonagh
Date: June 19, 2012

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
MW8DR	480-20186-01	VOC/SVOC
DW1R	480-20186-02	VOC/SVOC
MW3DR	480-20186-03	VOC/SVOC
MW3DR DUP	480-20186-04	VOC/SVOC
EB1	480-20186-05	VOC

Associated QC Samples(s): Field Blanks: EB-1
Field Duplicate pair: MW 3 DR/MW 3DR DUP

The above-listed aqueous samples were collected on May 15, 2012 and were analyzed for volatile organic compounds (VOCs) by SW-846 method 8260B and semivolatile organic compounds (SVOCs) by SW-846 method 8270C. The data validation based on the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, October 1999 and the USEPA Region II Standard Operating Procedure (SOP) for the Validation of Organic Data Review (March 2001), modified to accommodate the SW-846 methodologies.

The organic data were evaluated based on the following parameters:

- * • Data Completeness
- * • Holding Times and Sample Preservation
- * • Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- NA • Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Control Sample (LCS) Results
- * • Internal Standards
- * • Field Duplicate Results
- Quantitation Limits and Data Assessment
- * • Sample Quantitation and Compound Identification
- * - All criteria were met.

All results are usable for project objectives.

East Station

Qualifications were not applied to the data as a result of sampling error.

Qualifications applied to the data as a result of analytical error are discussed below.

- Potential uncertainty exists for select VOC and SVOC results, which were below the lowest calibration standard. These results were qualified as estimated (J). These results can be used for project objectives as estimated values, which may have a minor impact on the data usability.
- The VOC positive result for o-xylene in sample MW8DR was qualified as estimated (J) as the result was greater than the calibration range. The result may be biased low. The result can be used for project objectives as an estimated value, which may have a minor impact on the data usability.
- The SVOC positive and nondetect results for pyrene, indeno(123cd)pyrene, dibenz(ah)anthracene and benzo(ghi)perylene in samples MW8DR, DW1R, MW3D, MW3DR DUP and EB1 were qualified as estimated (J/UJ) due to continuing calibration nonconformances. The direction of the bias cannot be determined from these nonconformances. The results can be used for project objectives as estimated values and nondetects with estimated quantitation limits, which may have a minor impact on the data usability.
- The VOC positive results for toluene, m,p-xylene and o-xylene in sample MW8DR were qualified as estimated (J) due to low surrogate recoveries. The results may be biased low. The results can be used for project objectives as estimated values, which may have a minor impact on the data usability.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B deliverables for the VOC and SVOC analyses.

Holding Times and Sample Preservation

All criteria were met in the VOC and SVOC analyses.

GC/MS Tunes

All criteria were met in the VOC and SVOC analyses.

Initial and Continuing Calibrations

VOC

All criteria were met in the VOC analyses.

East Station

SVOC

Compounds that did not meet criteria in the SVOC calibrations are summarized in the following table.

Instrument ID HP5973V Compound	IC 05/18/12	CC 05/24/12 22:25
Pyrene		XX(20.2%)
Indeno(123cd)pyrene		XX(29.8%)
Dibenz(ah)anthracene		XX(29.7%)
Benzo(ghi)perylene		XX(27.2%)
Samples Affected	All samples listed.	MW8DR, DW1R, MW3D, MW3DR DUP, EB1

X = Initial calibration (IC) relative standard deviation (%RSD) > 20 for GC/MS (VOC and SVOC) and >20 for GC (pesticide/PCBs and herbicides); estimate (J) positive and blank-qualified (UJ) results only.

XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.

XXX = Continuing calibration (CC) percent difference (%D) > 90; estimate (J) positive results and reject (R) nondetect results.

+ = Response factor (RRF) < 0.05; Estimate (J) positive results and reject (R) nondetect results.

The SVOC positive and nondetect results for pyrene, indeno(123cd)pyrene, dibenz(ah)anthracene and benzo(ghi)perylene in samples MW8DR, DW1R, MW3D, MW3DR DUP and EB1 were qualified as estimated (J/UJ) due to continuing calibration nonconformances.

Blanks

Naphthalene was detected in the associated equipment blank sample. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at 10x (for common contaminants) and 5x (for other compounds) the concentrations detected. The following table summarizes the contamination.

Compound	Blank ID	Level Detected	Action Level	Associated Samples
Naphthalene	Equipment	7.4 ug/L	7.4 ug/L	All samples 480-20186-1.

Sample results were qualified as follows:

- If sample concentration was < the quantitation limit (QL) and # the Action Level, qualify the result as a
- Laboratory 480-20186-1, Organics, Page 3 of 7

East Station

nondetect (U) at the QL.

- If sample concentration was > the QL and # the Action Level, qualify the result as not detected (U) at the reported concentration.
- If the sample concentration was > the QL and > the Action Level, qualification of the data was not required.

Qualifications were not required.

Surrogate Recoveries

VOC

The following table lists the surrogates recovered outside of control limits in the VOC analyses and the resulting actions.

Sample Control Limits	Recovery			Validation Actions
	DCA 66-137	TOL 71-126	BFB 73-120	
MW 8 DR	60	-	-	Estimate (J) the positive results for toluene, m,p-xylene and o-xylene in this sample. All other results were reported from the diluted analysis.

- Criteria met

SVOC

The following table summarize the surrogate recoveries that failed to meet the acceptance criteria in the SVOC analyses:

Sample ID	Percent Recovery			Action
	NBZ-D5 46-120	2FBP 48-120	TPH-D14 67-150	
MW8DR	-	-	31	Qualifications were not required.
MW8DR DL	-	-	0	Qualifications were not required.
DW1R	-	-	33	Qualifications were not required.
DW1R DL	-	-	0	Qualifications were not required.

- Within control limits

NBZ-D5-Nitrobenzene-d5

2-FBP-2-Fluorobiphenyl

TPH-D14-Terphenyl-d14

12-DCB-D4-1,2-Dichlorobenzene-d4

MS/MSD Results

Matrix spike samples were not submitted with the data package.

East Station

LCS Results

VOC

All criteria were met in the VOC analyses.

SVOC

The following table lists the recoveries, which were outside of control limits in the LCS analyses and the resulting validation actions.

Compound	Recovery (%)	RPD	Control Limits	Associated Samples	Validation Actions
Benzo(a)pyrene	128/136	-	74-126	All samples 480-20186.	Qualifications were not required.
Benzo(b)fluoranthene	153/148	-	75-133		
Benzo(k)fluoranthene	-/151	-	75-133		

Internal Standards

All criteria were met in the VOC and SVOC analyses.

Field Duplicate Results

Samples MW3DR and MW3DR DUP were submitted as the field duplicate pair with this sample group. The following table summarizes the VOC and SVOC RPDs of the detected compounds, all of which were acceptable.

Compound	MW3DR (ug/L)	MW3DR DUP (ug/L)	RPD (%)
Benzene	910	880	3
Toluene	100	110	10
Ethylbenzene	910	880	3
m,p-xylene	140	160	13
o-xylene	130	140	7
Xylenes, total	270	300	10
Acenaphthene	26	28	7
Acenaphthylene	3.6	4.5	22

East Station

Compound	MW3DR (ug/L)	MW3DR DUP (ug/L)	RPD (%)
Fluorene	5.3	5.4	2
Naphthalene	470	510	8
Phenanthrene	2.7	3.3	20
2-methylnaphthalene	21	22	5
Anthracene	5.0U	0.48	165, within 1XQL.

NC – Not calculable

For aqueous results > 5xQL and RPDs >30%; estimate (J) results in the field duplicate pair.

For aqueous results < 5xQL; the sample and duplicate results must be within QL.

Quantitation Limits and Data Assessment

Potential uncertainty exists for select VOC and SVOC results, which were below the lowest calibration standard. These results were qualified as estimated (J).

The following table lists the sample dilutions, which were performed, and the results reported.

Sample	VOC Analysis Reported	SVOC Analysis Reported
MW8DR	1:5 and 1:800 dilution. Report the results for benzene, ethylbenzene and xylenes, total from the 1:800 dilution. Report the over-calibrated result for o-xylene from the 1:5 dilution as estimated (J). Report all other results from the 1:5 dilution.	1:1 and 1:100 dilution. Report the results for naphthalene and 2-methylnaphthalene from the 1:100 dilution. Report all other results from the 1:1 dilution.
DW1R	1:800 dilution.	1:1 and 1:50 dilution. Report the results for naphthalene and 2-methylnaphthalene from the 1:50 dilution. Report all other results from the 1:1 dilution.
MW3DR	1:5 and 1:20 dilution. Report the results for benzene, and ethylbenzene from the 1:20 dilution. Report all other results from the 1:5 dilution.	1:1 and 1:10 dilution. Report the result for naphthalene from the 1:10 dilution. Report all other results from the 1:1 dilution.
MW3DR DUP	1:5 and 1:20 dilutions. Report the results for benzene, and ethylbenzene from the 1:20 dilution. Report all other results from the 1:5 dilution.	1:1 and 1:10 dilution. Report the result for naphthalene from the 1:10 dilution. Report all other results from the 1:1 dilution.

East Station

NR- A dilution was not required

The Equipment Blank was analyzed at a 1:1 dilution.

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted in the VOC and SVOC analyses.

Site: Rochester Gas and Electric, East Station, NY
Laboratory: Test America, Buffalo, NY
Report No.: 480-20186
Reviewer: Lorie MacKinnon
Date: May 19, 2012

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
MW8DR	480-20186-1	Cyanide
DW1R	480-20186-2	Cyanide
MW3DR	480-20186-3	Cyanide
MW3DR DUP	480-20186-4	Cyanide
EB-1	480-20186-5	Cyanide

Associated QC Samples(s): Field Blanks: EB-1
Field Duplicate pair: MW3DR/MW3DR DUP

The above-listed aqueous samples and equipment blank sample were collected on May 15, 2012 and were analyzed for cyanide by SW-846 method 9012. The data validation was performed in accordance with the USEPA Region 2 *Standard Operating Procedure for the Evaluation of Metals for the Contract Laboratory Program*, SOP HW-2, Revision 13 (September 2006), modified as necessary to accommodate the non-CLP methodology used.

The inorganic data were evaluated based on the following parameters:

- * • Overall Evaluation of Data and Potential Usability Issues
- * • Data Completeness
- * • Holding Times and Sample Preservation
- * • Instrument Calibration
- * • Blank Analysis Results
- * • Matrix Spike (MS) Results
- * • Laboratory Duplicate Results
- * • Field Duplicate Results
- * • Laboratory Control Sample (LCS) Results
- * • Detection Limits Results
- * • Sample Quantitation Results

- * - All criteria were met for this parameter.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives without qualification.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

Instrument Calibration

All recovery criteria were met.

Blank Results

Cyanide was not detected in the associated laboratory method and instrument blank samples and equipment blank sample.

MS Results

An MS analysis was performed on sample DW1R. The recovery for cyanide was outside of control limits but as the sample concentration exceeded the spike level by a factor of four, qualification was not required.

Laboratory Duplicate Results

A laboratory duplicate analysis was performed on sample MW8DR. All criteria were met.

Field Duplicate Results

Samples MW3DR and MW3DR DUP were submitted as the field duplicate pair with this sample group. The following table summarizes the relative percent difference of cyanide, which was within the acceptance criteria.

Compound	MW3DR (mg/L)	MW3DR DUP (mg/L)	RPD (%)
Cyanide	1.1	1.3	16.7

For aqueous results > 5xQL and RPDs >30; estimate (J) results in the field duplicate pair.
For aqueous results < 5xQL; the sample and duplicate results must be within QL.

LCS Results

All criteria were met.

Detection Limits Results

All criteria were met. The following table lists the sample dilutions which were performed to bring results within the calibration range.

Sample	Cyanide Dilution Reported
DW1R	4-fold
MW3DR	8-fold
MW3DR DUP	8-fold

Sample Quantitation Results

Calculations were spot-checked; no discrepancies were noted.

ANALYTICAL REPORT

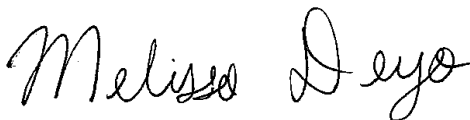
Job Number: 480-20186-1

Job Description: RG&E East Station Former MPG Site-RI

For:

META Environmental
49 Clarendon Street
Watertown, MA 02472

Attention: Peter DeClercq



Approved for release.
Melissa L Deyo
Project Manager I
6/1/2012 11:13 AM

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Project Manager I
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06/01/2012

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

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Job Narrative
480-20186-1

Receipt

The samples were received on 5/17/2012 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.1° C and 2.4° C.

GC/MS VOA

Method 8260B: The following sample were diluted due to the abundance of target analytes: MW8DR (480-20186-1), MW8DR (480-20186-1DL), DW1R (480-20186-2), MW3DR (480-20186-3), MW3DR (480-20186-3DL), MW3DR DUP (480-20186-4) and MW3DR DUP (480-20186-4DL). Elevated reporting limits (RLs) are provided.

Method 8260B: One surrogate recovery for the following sample was outside control limits: MW8DR (480-20186-1). Evidence of matrix interference was present, so a dilution was performed with compliant surrogate recoveries. Both sets of data are reported.

Method 8260B: The analyte o-Xylene was detected in the sample MW8DR (480-20186-1) at a concentration above the linear range of the initial calibration curve. Due to the high dilution dictated by other target compounds, this analyte was diluted out in the re-analysis of the sample.

Method 8260B: The following compound was outside control limits in the continuing calibration verification (CCV) associated with batch 65398: trans-1,4-Dichloro-2-butene. This compound is not classified as Calibration Check Compounds (CCCs) in the reference method, and the laboratory defaults to in-house and/or project-specific criteria for evaluation. Due to the large number of analytes contained in the CCV, the laboratory's SOP allows for six analytes to be outside limits; therefore, the data has been reported.

No other analytical or quality issues were noted.

GC/MS Semi VOA

Method 8270C: The following sample contained one base surrogate outside acceptance limits: MW8DR (480-20186-1), MW8DR (480-20186-1DL), DW1R (480-20186-2) and DW1R (480-20186-2DL). The laboratory's SOP allows one base surrogate to be outside acceptance limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method 8270C: The following samples were diluted due to the abundance of target analytes: MW8DR (480-20186-1DL), DW1R (480-20186-2DL), MW3DR (480-20186-3DL) and MW3DR DUP (480-20186-4DL). Elevated reporting limits (RLs) are provided.

Method 8270C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 65066 exceeded control limits for the several analytes. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data has been reported.

Method 8270C: Several compounds were outside control limits in the continuing calibration verification (CCV) associated with analytical batch 65945. These compounds are not classified as Calibration Check Compounds (CCCs) in the reference method, and the laboratory defaults to in-house and/or project-specific criteria for evaluation. Due to the large number of analytes contained in the CCV, the laboratory's SOP allows for four analytes to be outside limits; therefore, the data has been reported.

No analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1

SDG No.: _____

Instrument ID: HP5973N Analysis Batch Number: 65164Lab Sample ID: 480-20186-1 Client Sample ID: MW8DRDate Analyzed: 05/19/12 11:56 Lab File ID: N7833.D GC Column: ZB-624 (60) ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzene	4.14	Split Peak	HillL	05/21/12 06:44

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1

SDG No.: _____

Instrument ID: HP5973V Analysis Batch Number: 65015Lab Sample ID: IC 480-65015/2 Client Sample ID: _____Date Analyzed: 05/18/12 16:10 Lab File ID: V0745.D GC Column: RXI-5Sil MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
N-Nitrosodimethylamine	2.63	Assign Peak	lyh	05/19/12 11:54
Pyridine	2.72	Assign Peak	lyh	05/19/12 11:54
2-Fluorophenol	4.22	Assign Peak	lyh	05/19/12 11:54
4-Chloro-3-methylphenol	8.37	Assign Peak	lyh	05/19/12 11:54
2-Nitroaniline	9.32	Assign Peak	lyh	05/19/12 11:54
3-Nitroaniline	9.87	Assign Peak	lyh	05/19/12 11:54
4-Nitrophenol	10.14	Assign Peak	lyh	05/19/12 11:54
Benzo(k)fluoranthene	15.06	Assign Peak	lyh	05/19/12 11:54
Indeno(1,2,3-c,d)pyrene	16.64	Assign Peak	lyh	05/19/12 11:54

Lab Sample ID: IC 480-65015/3 Client Sample ID: _____Date Analyzed: 05/18/12 16:34 Lab File ID: V0746.D GC Column: RXI-5Sil MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
N-Nitrosodimethylamine	2.62	Assign Peak	lyh	05/19/12 11:57
Pyridine	2.69	Assign Peak	lyh	05/19/12 11:57
2,4,5-Trichlorophenol	8.96	Assign Peak	lyh	05/19/12 11:57
2-Nitroaniline	9.31	Assign Peak	lyh	05/19/12 11:57
3-Nitroaniline	9.85	Assign Peak	lyh	05/19/12 11:57
2,4-Dinitrophenol	9.99	Assign Peak	lyh	05/19/12 11:57
4-Nitrophenol	10.10	Assign Peak	lyh	05/19/12 11:57
Benzidine	12.91	Assign Peak	lyh	05/19/12 11:57

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1

SDG No.: _____

Instrument ID: HP5973V Analysis Batch Number: 65945Lab Sample ID: CCVIS 480-65945/2 Client Sample ID: _____Date Analyzed: 05/24/12 22:25 Lab File ID: V0992.D GC Column: RXI-5Sil MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pyridine	2.62	Assign Peak	mcgoverna	05/25/12 09:58

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1

SDG No.: _____

Instrument ID: HP5973V Analysis Batch Number: 66043Lab Sample ID: CCVIS 480-66043/2 Client Sample ID: _____Date Analyzed: 05/25/12 12:14 Lab File ID: V1028.D GC Column: RXI-5Sil MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pyridine	2.62	Assign Peak	mcgoverna	05/25/12 12:51

Lab Sample ID: 480-20186-1 DL Client Sample ID: MW8DR DLDate Analyzed: 05/25/12 15:05 Lab File ID: V1035.D GC Column: RXI-5Sil MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	7.59	Unspecified	mcgoverna	05/25/12 15:27

SAMPLE SUMMARY

Client: META Environmental

Job Number: 480-20186-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-20186-1	MW8DR	Water	05/15/2012 1510	05/17/2012 0900
480-20186-2	DW1R	Water	05/15/2012 1130	05/17/2012 0900
480-20186-3	MW3DR	Water	05/15/2012 1105	05/17/2012 0900
480-20186-4	MW3DR DUP	Water	05/15/2012 1105	05/17/2012 0900
480-20186-5	EB1	Water	05/15/2012 1500	05/17/2012 0900

EXECUTIVE SUMMARY - Detections

Client: META Environmental

Job Number: 480-20186-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-20186-1	MW8DR					
Benzene		34000		800	ug/L	8260B
Toluene		120		5.0	ug/L	8260B
Ethylbenzene		1900		800	ug/L	8260B
m-Xylene & p-Xylene		950		10	ug/L	8260B
o-Xylene		690	E	5.0	ug/L	8260B
Xylenes, Total		1600	E	10	ug/L	8260B
Acenaphthene		80		4.7	ug/L	8270C
Acenaphthylene		2.4	J	4.7	ug/L	8270C
Anthracene		3.3	J	4.7	ug/L	8270C
Fluoranthene		0.87	J	4.7	ug/L	8270C
Fluorene		23		4.7	ug/L	8270C
Naphthalene		3900		470	ug/L	8270C
Phenanthrene		20		4.7	ug/L	8270C
Pyrene		0.88	J	4.7	ug/L	8270C
2-Methylnaphthalene		350	J	470	ug/L	8270C
Cyanide, Total		0.052		0.010	mg/L	9012A
480-20186-2	DW1R					
Benzene		42000		800	ug/L	8260B
Toluene		11000		800	ug/L	8260B
Ethylbenzene		3100		800	ug/L	8260B
m-Xylene & p-Xylene		2600		1600	ug/L	8260B
o-Xylene		1200		800	ug/L	8260B
Xylenes, Total		3800		1600	ug/L	8260B
Acenaphthene		69		4.7	ug/L	8270C
Acenaphthylene		3.9	J	4.7	ug/L	8270C
Anthracene		4.3	J	4.7	ug/L	8270C
Fluoranthene		1.1	J	4.7	ug/L	8270C
Fluorene		20		4.7	ug/L	8270C
Naphthalene		4000		240	ug/L	8270C
Phenanthrene		23		4.7	ug/L	8270C
Pyrene		1.2	J	4.7	ug/L	8270C
2-Methylnaphthalene		320		240	ug/L	8270C
Cyanide, Total		0.86		0.040	mg/L	9012A

EXECUTIVE SUMMARY - Detections

Client: META Environmental

Job Number: 480-20186-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-20186-3	MW3DR					
Benzene		910		20	ug/L	8260B
Toluene		100		5.0	ug/L	8260B
Ethylbenzene		910		20	ug/L	8260B
m-Xylene & p-Xylene		140		10	ug/L	8260B
o-Xylene		130		5.0	ug/L	8260B
Xylenes, Total		270		10	ug/L	8260B
Acenaphthene		26		5.0	ug/L	8270C
Acenaphthylene		3.6	J	5.0	ug/L	8270C
Fluorene		5.3		5.0	ug/L	8270C
Naphthalene		470		50	ug/L	8270C
Phenanthrene		2.7	J	5.0	ug/L	8270C
2-Methylnaphthalene		21		5.0	ug/L	8270C
Cyanide, Total		1.1		0.080	mg/L	9012A
480-20186-4	MW3DR DUP					
Benzene		880		20	ug/L	8260B
Toluene		110		5.0	ug/L	8260B
Ethylbenzene		880		20	ug/L	8260B
m-Xylene & p-Xylene		160		10	ug/L	8260B
o-Xylene		140		5.0	ug/L	8260B
Xylenes, Total		300		10	ug/L	8260B
Acenaphthene		28		4.7	ug/L	8270C
Acenaphthylene		4.5	J	4.7	ug/L	8270C
Anthracene		0.48	J	4.7	ug/L	8270C
Fluorene		5.4		4.7	ug/L	8270C
Naphthalene		510		47	ug/L	8270C
Phenanthrene		3.3	J	4.7	ug/L	8270C
2-Methylnaphthalene		22		4.7	ug/L	8270C
Cyanide, Total		1.3		0.080	mg/L	9012A
480-20186-5	EB1					
Naphthalene		7.4		5.0	ug/L	8270C

METHOD SUMMARY

Client: META Environmental

Job Number: 480-20186-1

Description		Lab Location	Method	Preparation Method
Matrix	Water			
Volatile Organic Compounds (GC/MS)		TAL BUF	SW846 8260B	
Purge and Trap		TAL BUF		SW846 5030B
Semivolatile Organic Compounds (GC/MS)		TAL BUF	SW846 8270C	
Liquid-Liquid Extraction (Separatory Funnel)		TAL BUF		SW846 3510C
Cyanide, Total and/or Amenable		TAL BUF	SW846 9012A	
Cyanide, Total and/or Amenable, Distillation		TAL BUF		SW846 9012A

Lab References:

TAL BUF = TestAmerica Buffalo

Method References:

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

METHOD / ANALYST SUMMARY

Client: META Environmental

Job Number: 480-20186-1

Method	Analyst	Analyst ID
SW846 8260B	Coder, David	DC
SW846 8260B	Hill, Leah	LH
SW846 8260B	Larson, Renee	RL
SW846 8270C	Ly, Hau T	HTL
SW846 9012A	Hacic, Nicole	NH

Analytical Data

Client: META Environmental

Job Number: 480-20186-1

Client Sample ID: MW8DR

Lab Sample ID: 480-20186-1

Date Sampled: 05/15/2012 1510

Client Matrix: Water

Date Received: 05/17/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-65164	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N7833.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/19/2012 1156			Final Weight/Volume:	5 mL
Prep Date:	05/19/2012 1156				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	~~4500~~ 34000	~~E~~ (800X)	2.1	5.0
Toluene	120	J	2.6	5.0
Ethylbenzene	~~1700~~ 1900	~~E~~ (800X)	3.7	5.0
m-Xylene & p-Xylene	950	J	3.3	10
o-Xylene	690	~~E~~ J	3.8	5.0
Xylenes, Total	~~1600~~ 750 J	~~E~~ (800X)	3.3	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	60	X	66 - 137
Toluene-d8 (Surr)	117		71 - 126
4-Bromofluorobenzene (Surr)	117		73 - 120

Emm
6/1/12

Analytical Data

Client: META Environmental

Job Number: 480-20186-1

Client Sample ID: MW8DR

Lab Sample ID: 480-20186-1

Client Matrix: Water

Date Sampled: 05/15/2012 1510

Date Received: 05/17/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B
Prep Method: 5030B
Dilution: 800
Analysis Date: 05/22/2012 0132
Prep Date: 05/22/2012 0132

Analysis Batch: 480-65398
Prep Batch: N/A
Run Type: DL

Instrument ID: HP5975T
Lab File ID: T8482.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	34000		330	800
Toluene	ND		410	800
Ethylbenzene	1900		590	800
m-Xylene & p-Xylene	750	J J	530	1600
o-Xylene	ND		610	800
Xylenes, Total	750	J J	530	1600

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	85		66 - 137
Toluene-d8 (Surr)	99		71 - 126
4-Bromofluorobenzene (Surr)	102		73 - 120

EMM
6/19/12

Analytical Data

Client: META Environmental

Job Number: 480-20186-1

Client Sample ID: DW1R

Lab Sample ID: 480-20186-2

Date Sampled: 05/15/2012 1130

Client Matrix: Water

Date Received: 05/17/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-65398	Instrument ID:	HP5975T
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	T8483.D
Dilution:	800			Initial Weight/Volume:	5 mL
Analysis Date:	05/22/2012 0155			Final Weight/Volume:	5 mL
Prep Date:	05/22/2012 0155				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	42000		330	800
Toluene	11000		410	800
Ethylbenzene	3100		590	800
m-Xylene & p-Xylene	2600		530	1600
o-Xylene	1200		610	800
Xylenes, Total	3800		530	1600

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	88		66 - 137
Toluene-d8 (Surr)	103		71 - 126
4-Bromofluorobenzene (Surr)	106		73 - 120

*EMM
6/19/12*

Analytical Data

Client: META Environmental

Job Number: 480-20186-1

Client Sample ID: MW3DR

Lab Sample ID: 480-20186-3

Date Sampled: 05/15/2012 1105

Client Matrix: Water

Date Received: 05/17/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-65164	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N7835.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/19/2012 1243			Final Weight/Volume:	5 mL
Prep Date:	05/19/2012 1243				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	910 ~~780~~	E ~~(20x)~~	2.1	5.0
Toluene	100		2.6	5.0
Ethylbenzene	910 ~~760~~	E ~~(20x)~~	3.7	5.0
m-Xylene & p-Xylene	140		3.3	10
o-Xylene	130		3.8	5.0
Xylenes, Total	270		3.3	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	115		66 - 137
Toluene-d8 (Surr)	114		71 - 126
4-Bromofluorobenzene (Surr)	114		73 - 120

EHM
6/19/12

Analytical Data

Client: META Environmental

Job Number: 480-20186-1

Client Sample ID: MW3DR

Lab Sample ID: 480-20186-3

Date Sampled: 05/15/2012 1105

Client Matrix: Water

Date Received: 05/17/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-65291	Instrument ID:	HP5975T
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	T8450.D
Dilution:	20			Initial Weight/Volume:	5 mL
Analysis Date:	05/21/2012 1321	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	05/21/2012 1321				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	910		8.2	20
Toluene	110		10	20
Ethylbenzene	910		15	20
m-Xylene & p-Xylene	160		13	40
o-Xylene	140		15	20
Xylenes, Total	300		13	40

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		66 - 137
Toluene-d8 (Surr)	110		71 - 126
4-Bromofluorobenzene (Surr)	111		73 - 120

EMM
6/19/12

Analytical Data

Client: META Environmental

Job Number: 480-20186-1

Client Sample ID: MW3DR DUP

Lab Sample ID: 480-20186-4

Client Matrix: Water

Date Sampled: 05/15/2012 1105

Date Received: 05/17/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-65164	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N7836.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/19/2012 1307			Final Weight/Volume:	5 mL
Prep Date:	05/19/2012 1307				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	~~800~~ 850	~~E~~	2.1	5.0
Toluene	110		2.6	5.0
Ethylbenzene	~~840~~ 880	~~E~~	3.7	5.0
m-Xylene & p-Xylene	160		3.3	10
o-Xylene	140		3.8	5.0
Xylenes, Total	300		3.3	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	120		66 - 137
Toluene-d8 (Surr)	113		71 - 126
4-Bromofluorobenzene (Surr)	116		73 - 120

EM
6/19/12

Analytical Data

Client: META Environmental

Job Number: 480-20186-1

Client Sample ID: MW3DR DUP

Lab Sample ID: 480-20186-4

Client Matrix: Water

Date Sampled: 05/15/2012 1105

Date Received: 05/17/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-65291	Instrument ID:	HP5975T
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	T8451.D
Dilution:	20			Initial Weight/Volume:	5 mL
Analysis Date:	05/21/2012 1344	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	05/21/2012 1344				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	880		8.2	20
Toluene	110		10	20
Ethylbenzene	880		15	20
m-Xylene & p-Xylene	160		13	40
o-Xylene	150		15	20
Xylenes, Total	310		13	40

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	90		66 - 137
Toluene-d8 (Surr)	106		71 - 126
4-Bromofluorobenzene (Surr)	109		73 - 120

EMM
6/19/12

Analytical Data

Client: META Environmental

Job Number: 480-20186-1

Client Sample ID: EB1

Lab Sample ID: 480-20186-5

Date Sampled: 05/15/2012 1500

Client Matrix: Water

Date Received: 05/17/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-65164	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N7837.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/19/2012 1330			Final Weight/Volume:	5 mL
Prep Date:	05/19/2012 1330				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	ND		0.41	1.0
Toluene	ND		0.51	1.0
Ethylbenzene	ND		0.74	1.0
m-Xylene & p-Xylene	ND		0.66	2.0
o-Xylene	ND		0.76	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	118		66 - 137
Toluene-d8 (Surr)	114		71 - 126
4-Bromofluorobenzene (Surr)	113		73 - 120

EMM
6/19/12

Analytical Data

Client: META Environmental

Job Number: 480-20186-1

Client Sample ID: MW8DR

Lab Sample ID: 480-20186-1

Date Sampled: 05/15/2012 1510

Client Matrix: Water

Date Received: 05/17/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-65945	Instrument ID:	HP5973V
Prep Method:	3510C	Prep Batch:	480-65066	Lab File ID:	V1010.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	05/25/2012 0539			Final Weight/Volume:	1 mL
Prep Date:	05/18/2012 1356			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	80		0.39	4.7
Acenaphthylene	2.4	J J	0.36	4.7
Anthracene	3.3	J J	0.26	4.7
Benz(a)anthracene	ND		0.34	4.7
Benzo(a)pyrene	ND	J	0.44	4.7
Benzo(b)fluoranthene	ND	J	0.32	4.7
Benzo(g,h,i)perylene	ND	J J	0.33	4.7
Benzo(k)fluoranthene	ND	J	0.69	4.7
Chrysene	ND		0.31	4.7
Dibenz(a,h)anthracene	ND	J J	0.40	4.7
Fluoranthene	0.87	J J	0.38	4.7
Fluorene	23		0.34	4.7
Indeno(1,2,3-c,d)pyrene	ND	J J	0.44	4.7
Naphthalene	3900 2700	E (100%)	0.72	4.7
Phenanthrene	20		0.42	4.7
Pyrene	0.88	J J	0.32	4.7
2-Methylnaphthalene	350 J 330	E (100%)	0.57	4.7
Surrogate	%Rec	Qualifier	Acceptance Limits	
Nitrobenzene-d5	84		46 - 120	
2-Fluorobiphenyl	85		48 - 120	
p-Terphenyl-d14	31	X	67 - 150	

EMM
6/19/12

Analytical Data

Client: META Environmental

Job Number: 480-20186-1

Client Sample ID: MW8DR

Lab Sample ID: 480-20186-1

Date Sampled: 05/15/2012 1510

Client Matrix: Water

Date Received: 05/17/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-66043	Instrument ID:	HP5973V
Prep Method:	3510C	Prep Batch:	480-65066	Lab File ID:	V1035.D
Dilution:	100			Initial Weight/Volume:	1060 mL
Analysis Date:	05/25/2012 1505	Run Type:	DL	Final Weight/Volume:	1 mL
Prep Date:	05/18/2012 1356			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	82	J J	39	470
Acenaphthylene	ND		36	470
Anthracene	ND		26	470
Benz(a)anthracene	ND		34	470
Benzo(a)pyrene	ND	/	44	470
Benzo(b)fluoranthene	ND	/	32	470
Benzo(g,h,i)perylene	ND	/	33	470
Benzo(k)fluoranthene	ND		69	470
Chrysene	ND		31	470
Dibenz(a,h)anthracene	ND		40	470
Fluoranthene	ND		38	470
Fluorene	ND		34	470
Indeno(1,2,3-c,d)pyrene	ND		44	470
Naphthalene	3900		72	470
Phenanthrene	ND		42	470
Pyrene	ND		32	470
2-Methylnaphthalene	350	J J	57	470

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	47		46 - 120
2-Fluorobiphenyl	74		48 - 120
p-Terphenyl-d14	0	X	67 - 150

EMM
6/19/12

Analytical Data

Client: META Environmental

Job Number: 480-20186-1

Client Sample ID: DW1R

Lab Sample ID: 480-20186-2

Date Sampled: 05/15/2012 1130

Client Matrix: Water

Date Received: 05/17/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-65945	Instrument ID:	HP5973V
Prep Method:	3510C	Prep Batch:	480-65066	Lab File ID:	V1011.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	05/25/2012 0603			Final Weight/Volume:	1 mL
Prep Date:	05/18/2012 1356			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	69		0.39	4.7
Acenaphthylene	3.9	J J	0.36	4.7
Anthracene	4.3	J J	0.26	4.7
Benz(a)anthracene	ND		0.34	4.7
Benzo(a)pyrene	ND		0.44	4.7
Benzo(b)fluoranthene	ND		0.32	4.7
Benzo(g,h,i)perylene	ND		0.33	4.7
Benzo(k)fluoranthene	ND		0.69	4.7
Chrysene	ND		0.31	4.7
Dibenz(a,h)anthracene	ND		0.40	4.7
Fluoranthene	1.1	J J	0.38	4.7
Fluorene	20		0.34	4.7
Indeno(1,2,3-c,d)pyrene	ND		0.44	4.7
Naphthalene	4000 ✓ 2800	E (50x)	0.72	4.7
Phenanthrene	23		0.42	4.7
Pyrene	✓ 1.2	J J	0.32	4.7
2-Methylnaphthalene	320 ✓ 310	E (50x)	0.57	4.7

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	93		46 - 120
2-Fluorobiphenyl	88		48 - 120
p-Terphenyl-d14	33	X	67 - 150

Enm
6/19/12

Analytical Data

Client: META Environmental

Job Number: 480-20186-1

Client Sample ID: DW1R

Lab Sample ID: 480-20186-2

Date Sampled: 05/15/2012 1130

Client Matrix: Water

Date Received: 05/17/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-66043	Instrument ID:	HP5973V
Prep Method:	3510C	Prep Batch:	480-65066	Lab File ID:	V1036.D
Dilution:	50			Initial Weight/Volume:	1060 mL
Analysis Date:	05/25/2012 1530	Run Type:	DL	Final Weight/Volume:	1 mL
Prep Date:	05/18/2012 1356			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	69	J J	19	240
Acenaphthylene	ND		18	240
Anthracene	ND		13	240
Benz(a)anthracene	ND		17	240
Benzo(a)pyrene	ND	/	22	240
Benzo(b)fluoranthene	ND	/	16	240
Benzo(g,h,i)perylene	ND	/	17	240
Benzo(k)fluoranthene	ND		34	240
Chrysene	ND		16	240
Dibenz(a,h)anthracene	ND		20	240
Fluoranthene	ND		19	240
Fluorene	18	J J	17	240
Indeno(1,2,3-c,d)pyrene	ND		22	240
Naphthalene	4000		36	240
Phenanthrene	23	J J	21	240
Pyrene	ND		16	240
2-Methylnaphthalene	320		28	240

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	74		46 - 120
2-Fluorobiphenyl	79		48 - 120
p-Terphenyl-d14	0	X	67 - 150

Enm
6/19/12

Analytical Data

Client: META Environmental

Job Number: 480-20186-1

Client Sample ID: MW3DR

Lab Sample ID: 480-20186-3

Date Sampled: 05/15/2012 1105

Client Matrix: Water

Date Received: 05/17/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-65945	Instrument ID:	HP5973V
Prep Method:	3510C	Prep Batch:	480-65066	Lab File ID:	V1012.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Analysis Date:	05/25/2012 0627			Final Weight/Volume:	1 mL
Prep Date:	05/18/2012 1356			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	26		0.41	5.0
Acenaphthylene	3.6	J J	0.38	5.0
Anthracene	ND		0.28	5.0
Benz(a)anthracene	ND		0.36	5.0
Benzo(a)pyrene	ND		0.47	5.0
Benzo(b)fluoranthene	ND		0.34	5.0
Benzo(g,h,i)perylene	ND		0.35	5.0
Benzo(k)fluoranthene	ND		0.73	5.0
Chrysene	ND		0.33	5.0
Dibenz(a,h)anthracene	ND		0.42	5.0
Fluoranthene	ND		0.40	5.0
Fluorene	5.3		0.36	5.0
Indeno(1,2,3-c,d)pyrene	ND		0.47	5.0
Naphthalene	460	E (10x)	0.76	5.0
Phenanthrene	2.7	J J	0.44	5.0
Pyrene	ND		0.34	5.0
2-Methylnaphthalene	21		0.60	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	83		46 - 120
2-Fluorobiphenyl	87		48 - 120
p-Terphenyl-d14	76		67 - 150

Erin
Graham

Analytical Data

Client: META Environmental

Job Number: 480-20186-1

Client Sample ID: MW3DR

Lab Sample ID: 480-20186-3

Client Matrix: Water

Date Sampled: 05/15/2012 1105

Date Received: 05/17/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-66043	Instrument ID:	HP5973V
Prep Method:	3510C	Prep Batch:	480-65066	Lab File ID:	V1037.D
Dilution:	10			Initial Weight/Volume:	1000 mL
Analysis Date:	05/25/2012 1554	Run Type:	DL	Final Weight/Volume:	1 mL
Prep Date:	05/18/2012 1356			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	25	J J	4.1	50
Acenaphthylene	ND		3.8	50
Anthracene	ND		2.8	50
Benz(a)anthracene	ND		3.6	50
Benzo(a)pyrene	ND		4.7	50
Benzo(b)fluoranthene	ND		3.4	50
Benzo(g,h,i)perylene	ND		3.5	50
Benzo(k)fluoranthene	ND		7.3	50
Chrysene	ND		3.3	50
Dibenz(a,h)anthracene	ND		4.2	50
Fluoranthene	ND		4.0	50
Fluorene	4.1	J J	3.6	50
Indeno(1,2,3-c,d)pyrene	ND		4.7	50
Naphthalene	470		7.6	50
Phenanthrene	ND		4.4	50
Pyrene	ND		3.4	50
2-Methylnaphthalene	63		6.0	50

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	75		46 - 120
2-Fluorobiphenyl	88		48 - 120
p-Terphenyl-d14	74		67 - 150

EMM
6/19/12

Analytical Data

Client: META Environmental

Job Number: 480-20186-1

Client Sample ID: MW3DR DUP

Lab Sample ID: 480-20186-4

Client Matrix: Water

Date Sampled: 05/15/2012 1105

Date Received: 05/17/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-65945	Instrument ID:	HP5973V
Prep Method:	3510C	Prep Batch:	480-65066	Lab File ID:	V1013.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	05/25/2012 0651			Final Weight/Volume:	1 mL
Prep Date:	05/18/2012 1356			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	28		0.39	4.7
Acenaphthylene	4.5	J J	0.36	4.7
Anthracene	0.48	J J	0.26	4.7
Benz(a)anthracene	ND		0.34	4.7
Benzo(a)pyrene	ND		0.44	4.7
Benzo(b)fluoranthene	ND		0.32	4.7
Benzo(g,h,i)perylene	ND		0.33	4.7
Benzo(k)fluoranthene	ND		0.69	4.7
Chrysene	ND		0.31	4.7
Dibenz(a,h)anthracene	ND		0.40	4.7
Fluoranthene	ND		0.38	4.7
Fluorene	5.4		0.34	4.7
Indeno(1,2,3-c,d)pyrene	ND		0.44	4.7
Naphthalene	500	E (10x)	0.72	4.7
Phenanthrene	3.3	J J	0.42	4.7
Pyrene	ND		0.32	4.7
2-Methylnaphthalene	22		0.57	4.7

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	88		46 - 120
2-Fluorobiphenyl	95		48 - 120
p-Terphenyl-d14	73		67 - 150

EMM
6/19/12

Analytical Data

Client: META Environmental

Job Number: 480-20186-1

Client Sample ID: MW3DR DUP

Lab Sample ID: 480-20186-4

Client Matrix: Water

Date Sampled: 05/15/2012 1105

Date Received: 05/17/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-66043	Instrument ID:	HP5973V
Prep Method:	3510C	Prep Batch:	480-65066	Lab File ID:	V1038.D
Dilution:	10			Initial Weight/Volume:	1060 mL
Analysis Date:	05/25/2012 1618	Run Type:	DL	Final Weight/Volume:	1 mL
Prep Date:	05/18/2012 1356			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	27	J J	3.9	47
Acenaphthylene	4.1	J J	3.6	47
Anthracene	ND		2.6	47
Benz(a)anthracene	ND		3.4	47
Benzo(a)pyrene	ND		4.4	47
Benzo(b)fluoranthene	ND		3.2	47
Benzo(g,h,i)perylene	ND		3.3	47
Benzo(k)fluoranthene	ND		6.9	47
Chrysene	ND		3.1	47
Dibenz(a,h)anthracene	ND		4.0	47
Fluoranthene	ND		3.8	47
Fluorene	4.5	J J	3.4	47
Indeno(1,2,3-c,d)pyrene	ND		4.4	47
Naphthalene	510		7.2	47
Phenanthrene	ND		4.2	47
Pyrene	ND		3.2	47
2-Methylnaphthalene	20	J J	5.7	47

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	77		46 - 120
2-Fluorobiphenyl	93		48 - 120
p-Terphenyl-d14	71		67 - 150

EMM
6/19/12

Analytical Data

Client: META Environmental

Job Number: 480-20186-1

Client Sample ID: EB1

Lab Sample ID: 480-20186-5

Date Sampled: 05/15/2012 1500

Client Matrix: Water

Date Received: 05/17/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-65945	Instrument ID:	HP5973V
Prep Method:	3510C	Prep Batch:	480-65066	Lab File ID:	V1014.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Analysis Date:	05/25/2012 0715			Final Weight/Volume:	1 mL
Prep Date:	05/18/2012 1356			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.41	5.0
Acenaphthylene	ND		0.38	5.0
Anthracene	ND		0.28	5.0
Benz(a)anthracene	ND		0.36	5.0
Benzo(a)pyrene	ND	✓	0.47	5.0
Benzo(b)fluoranthene	ND	✓	0.34	5.0
Benzo(g,h,i)perylene	ND	✓	0.35	5.0
Benzo(k)fluoranthene	ND	✓	0.73	5.0
Chrysene	ND		0.33	5.0
Dibenz(a,h)anthracene	ND	✓	0.42	5.0
Fluoranthene	ND		0.40	5.0
Fluorene	ND		0.36	5.0
Indeno(1,2,3-c,d)pyrene	ND	✓	0.47	5.0
Naphthalene	7.4		0.76	5.0
Phenanthrene	ND		0.44	5.0
Pyrene	ND	✓	0.34	5.0
2-Methylnaphthalene	ND		0.60	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	91		46 - 120
2-Fluorobiphenyl	91		48 - 120
p-Terphenyl-d14	85		67 - 150

EMM
6/19/12

Analytical Data

Client: META Environmental

Job Number: 480-20186-1

General Chemistry**Client Sample ID:** MW8DR

Lab Sample ID: 480-20186-1

Date Sampled: 05/15/2012 1510

Client Matrix: Water

Date Received: 05/17/2012 0900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.052		mg/L	0.0050	0.010	1.0	9012A
Analysis Batch: 480-66279		Analysis Date: 05/29/2012 1157					
Prep Batch: 480-65978		Prep Date: 05/24/2012 1600					

Analytical Data

Client: META Environmental

Job Number: 480-20186-1

General Chemistry**Client Sample ID:** DW1R

Lab Sample ID: 480-20186-2

Date Sampled: 05/15/2012 1130

Client Matrix: Water

Date Received: 05/17/2012 0900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.86		mg/L	0.020	0.040	4.0	9012A
Analysis Batch: 480-66279		Analysis Date: 05/29/2012 1213					
Prep Batch: 480-65978		Prep Date: 05/24/2012 1600					

Analytical Data

Client: META Environmental

Job Number: 480-20186-1

General Chemistry**Client Sample ID:** MW3DR

Lab Sample ID: 480-20186-3

Date Sampled: 05/15/2012 1105

Client Matrix: Water

Date Received: 05/17/2012 0900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	1.1		mg/L	0.040	0.080	8.0	9012A
Analysis Batch: 480-66279		Analysis Date: 05/29/2012 1219					
Prep Batch: 480-65978		Prep Date: 05/24/2012 1600					

Analytical Data

Client: META Environmental

Job Number: 480-20186-1

General Chemistry**Client Sample ID:** MW3DR DUP

Lab Sample ID: 480-20186-4

Date Sampled: 05/15/2012 1105

Client Matrix: Water

Date Received: 05/17/2012 0900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	1.3		mg/L	0.040	0.080	8.0	9012A
Analysis Batch: 480-66279		Analysis Date: 05/29/2012 1216					
Prep Batch: 480-65978		Prep Date: 05/24/2012 1600					

Analytical Data

Client: META Environmental

Job Number: 480-20186-1

General Chemistry**Client Sample ID:** EB1

Lab Sample ID: 480-20186-5

Date Sampled: 05/15/2012 1500

Client Matrix: Water

Date Received: 05/17/2012 0900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	ND		mg/L	0.0050	0.010	1.0	9012A
Analysis Batch: 480-66279		Analysis Date: 05/29/2012 1202					
Prep Batch: 480-65978		Prep Date: 05/24/2012 1600					

Client: META Environmental

Job Number: 480-20186-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
480-20186-1	MW8DR	60X	117	117
480-20186-1 DL	MW8DR DL	85	99	102
480-20186-2	DW1R	88	103	106
480-20186-3	MW3DR	115	114	114
480-20186-3 DL	MW3DR DL	96	110	111
480-20186-4	MW3DR DUP	120	113	116
480-20186-4 DL	MW3DR DUP DL	90	106	109
480-20186-5	EB1	118	114	113
MB 480-65164/5		122	113	111
MB 480-65291/5		88	102	106
MB 480-65398/5		85	98	101
LCS 480-65164/4		122	114	116
LCS 480-65291/4		92	111	112
LCS 480-65398/4		88	100	106

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	66-137
TOL = Toluene-d8 (Surr)	71-126
BFB = 4-Bromofluorobenzene (Surr)	73-120

Client: META Environmental

Job Number: 480-20186-1

Surrogate Recovery Report**8270C Semivolatile Organic Compounds (GC/MS)****Client Matrix: Water**

Lab Sample ID	Client Sample ID	NBZ %Rec	FBP %Rec	TPH %Rec
480-20186-1	MW8DR	84	85	31X
480-20186-1 DL	MW8DR DL	47	74	0X
480-20186-2	DW1R	93	88	33X
480-20186-2 DL	DW1R DL	74	79	0X
480-20186-3	MW3DR	83	87	76
480-20186-3 DL	MW3DR DL	75	88	74
480-20186-4	MW3DR DUP	88	95	73
480-20186-4 DL	MW3DR DUP DL	77	93	71
480-20186-5	EB1	91	91	85
MB 480-65066/1-A		83	86	108
LCS 480-65066/2-A		109	107	117
LCSD 480-65066/3-A		114	111	123

Surrogate	Acceptance Limits
NBZ = Nitrobenzene-d5	46-120
FBP = 2-Fluorobiphenyl	48-120
TPH = p-Terphenyl-d14	67-150

Quality Control Results

Client: META Environmental

Job Number: 480-20186-1

Method Blank - Batch: 480-65164

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 480-65164/5	Analysis Batch: 480-65164	Instrument ID: HP5973N
Client Matrix: Water	Prep Batch: N/A	Lab File ID: N7832.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 05/19/2012 1118	Units: ug/L	Final Weight/Volume: 5 mL
Prep Date: 05/19/2012 1118		
Leach Date: N/A		

Analyte	Result	Qual	MDL	RL
Benzene	ND		0.41	1.0
Toluene	ND		0.51	1.0
Ethylbenzene	ND		0.74	1.0
m-Xylene & p-Xylene	ND		0.66	2.0
o-Xylene	ND		0.76	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	122	66 - 137
Toluene-d8 (Surr)	113	71 - 126
4-Bromofluorobenzene (Surr)	111	73 - 120

Lab Control Sample - Batch: 480-65164

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 480-65164/4	Analysis Batch: 480-65164	Instrument ID: HP5973N
Client Matrix: Water	Prep Batch: N/A	Lab File ID: N7831.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 05/19/2012 1054	Units: ug/L	Final Weight/Volume: 5 mL
Prep Date: 05/19/2012 1054		
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	25.0	27.9	112	71 - 124	
Toluene	25.0	28.6	114	70 - 122	
Ethylbenzene	25.0	29.7	119	77 - 123	
m-Xylene & p-Xylene	50.0	58.3	117	76 - 122	
o-Xylene	25.0	28.4	114	76 - 122	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	122	66 - 137
Toluene-d8 (Surr)	114	71 - 126
4-Bromofluorobenzene (Surr)	116	73 - 120

Quality Control Results

Client: META Environmental

Job Number: 480-20186-1

Method Blank - Batch: 480-65291

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 480-65291/5	Analysis Batch:	480-65291	Instrument ID:	HP5975T
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	T8447.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/21/2012 1202	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	05/21/2012 1202				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Benzene	ND		0.41	1.0
Toluene	ND		0.51	1.0
Ethylbenzene	ND		0.74	1.0
m-Xylene & p-Xylene	ND		0.66	2.0
o-Xylene	ND		0.76	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	88	66 - 137
Toluene-d8 (Surr)	102	71 - 126
4-Bromofluorobenzene (Surr)	106	73 - 120

Lab Control Sample - Batch: 480-65291

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 480-65291/4	Analysis Batch:	480-65291	Instrument ID:	HP5975T
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	T8446.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/21/2012 1138	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	05/21/2012 1138				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	25.0	23.7	95	71 - 124	
Toluene	25.0	23.9	96	70 - 122	
Ethylbenzene	25.0	23.5	94	77 - 123	
m-Xylene & p-Xylene	50.0	50.2	100	76 - 122	
o-Xylene	25.0	25.0	100	76 - 122	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92	66 - 137
Toluene-d8 (Surr)	111	71 - 126
4-Bromofluorobenzene (Surr)	112	73 - 120

Quality Control Results

Client: META Environmental

Job Number: 480-20186-1

Method Blank - Batch: 480-65398

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 480-65398/5	Analysis Batch:	480-65398	Instrument ID:	HP5975T
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	T8479.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/22/2012 0012	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	05/22/2012 0012				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Benzene	ND		0.41	1.0
Toluene	ND		0.51	1.0
Ethylbenzene	ND		0.74	1.0
m-Xylene & p-Xylene	ND		0.66	2.0
o-Xylene	ND		0.76	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	85	66 - 137
Toluene-d8 (Surr)	98	71 - 126
4-Bromofluorobenzene (Surr)	101	73 - 120

Lab Control Sample - Batch: 480-65398

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 480-65398/4	Analysis Batch:	480-65398	Instrument ID:	HP5975T
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	T8478.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/21/2012 2348	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	05/21/2012 2348				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	25.0	23.4	94	71 - 124	
Toluene	25.0	24.0	96	70 - 122	
Ethylbenzene	25.0	23.3	93	77 - 123	
m-Xylene & p-Xylene	50.0	50.8	102	76 - 122	
o-Xylene	25.0	23.8	95	76 - 122	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	88	66 - 137
Toluene-d8 (Surr)	100	71 - 126
4-Bromofluorobenzene (Surr)	106	73 - 120

Quality Control Results

Client: META Environmental

Job Number: 480-20186-1

Method Blank - Batch: 480-65066

Method: 8270C

Preparation: 3510C

Lab Sample ID: MB 480-65066/1-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 05/24/2012 2314
 Prep Date: 05/18/2012 1356
 Leach Date: N/A

Analysis Batch: 480-65945
 Prep Batch: 480-65066
 Leach Batch: N/A
 Units: ug/L

Instrument ID: HP5973V
 Lab File ID: V0994.D
 Initial Weight/Volume: 1000 mL
 Final Weight/Volume: 1 mL
 Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Acenaphthene	ND		0.41	5.0
Acenaphthylene	ND		0.38	5.0
Anthracene	ND		0.28	5.0
Benz(a)anthracene	ND		0.36	5.0
Benzo(a)pyrene	ND		0.47	5.0
Benzo(b)fluoranthene	ND		0.34	5.0
Benzo(g,h,i)perylene	ND		0.35	5.0
Benzo(k)fluoranthene	ND		0.73	5.0
Chrysene	ND		0.33	5.0
Dibenz(a,h)anthracene	ND		0.42	5.0
Fluoranthene	ND		0.40	5.0
Fluorene	ND		0.36	5.0
Indeno(1,2,3-c,d)pyrene	ND		0.47	5.0
Naphthalene	ND		0.76	5.0
Phenanthrene	ND		0.44	5.0
Pyrene	ND		0.34	5.0
2-Methylnaphthalene	ND		0.60	5.0

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	83	46 - 120
2-Fluorobiphenyl	86	48 - 120
p-Terphenyl-d14	108	67 - 150

Quality Control Results

Client: META Environmental

Job Number: 480-20186-1

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 480-65066

Method: 8270C

Preparation: 3510C

LCS Lab Sample ID:	LCS 480-65066/2-A	Analysis Batch:	480-65945	Instrument ID:	HP5973V
Client Matrix:	Water	Prep Batch:	480-65066	Lab File ID:	V0995.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/24/2012 2338	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	05/18/2012 1356			Injection Volume:	1 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 480-65066/3-A	Analysis Batch:	480-65945	Instrument ID:	HP5973V
Client Matrix:	Water	Prep Batch:	480-65066	Lab File ID:	V0996.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/25/2012 0002	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	05/18/2012 1356			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Acenaphthene	103	109	60 - 120	5	24		
Acenaphthylene	106	113	63 - 120	6	18		
Anthracene	118	120	69 - 131	2	15		
Benz(a)anthracene	120	121	73 - 138	1	15		
Benzo(a)pyrene	128	136	74 - 126	6	15	*	*
Benzo(b)fluoranthene	153	148	75 - 133	3	15	*	*
Benzo(g,h,i)perylene	93	95	66 - 152	3	15		
Benzo(k)fluoranthene	133	151	75 - 133	13	22		*
Chrysene	112	118	69 - 140	6	15		
Dibenz(a,h)anthracene	94	98	67 - 144	4	15		
Fluoranthene	125	127	67 - 133	2	15		
Fluorene	114	118	66 - 129	3	15		
Indeno(1,2,3-c,d)pyrene	95	99	69 - 146	4	15		
Naphthalene	90	97	48 - 120	8	29		
Phenanthrene	116	118	67 - 130	1	15		
Pyrene	102	105	58 - 136	3	19		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Nitrobenzene-d5	109	114	46 - 120
2-Fluorobiphenyl	107	111	48 - 120
p-Terphenyl-d14	117	123	67 - 150

Quality Control Results

Client: META Environmental

Job Number: 480-20186-1

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 480-65066**

**Method: 8270C
Preparation: 3510C**

LCS Lab Sample ID: LCS 480-65066/2-A Units: ug/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 05/24/2012 2338
Prep Date: 05/18/2012 1356
Leach Date: N/A

LCSD Lab Sample ID: LCSD 480-65066/3-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 05/25/2012 0002
Prep Date: 05/18/2012 1356
Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Acenaphthene	100	100	103	109
Acenaphthylene	100	100	106	113
Anthracene	100	100	118	120
Benz(a)anthracene	100	100	120	121
Benzo(a)pyrene	100	100	128 *	136 *
Benzo(b)fluoranthene	100	100	153 *	148 *
Benzo(g,h,i)perylene	100	100	93.0	95.4
Benzo(k)fluoranthene	100	100	133	151 *
Chrysene	100	100	112	118
Dibenz(a,h)anthracene	100	100	93.9	97.8
Fluoranthene	100	100	125	127
Fluorene	100	100	114	118
Indeno(1,2,3-c,d)pyrene	100	100	94.6	98.7
Naphthalene	100	100	89.6	96.8
Phenanthrene	100	100	116	118
Pyrene	100	100	102	105

Quality Control Results

Client: META Environmental

Job Number: 480-20186-1

Method Blank - Batch: 480-65978

Method: 9012A Preparation: 9012A

Lab Sample ID: MB 480-65978/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 05/29/2012 1206
Prep Date: 05/24/2012 1600
Leach Date: N/A

Analysis Batch: 480-66279
Prep Batch: 480-65978
Leach Batch: N/A
Units: mg/L

Instrument ID: LACHAT2
Lab File ID: OM_5-29-2012_11-53-
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Cyanide, Total	ND		0.0050	0.010

Lab Control Sample - Batch: 480-65978

Method: 9012A Preparation: 9012A

Lab Sample ID: LCS 480-65978/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 05/29/2012 1156
Prep Date: 05/24/2012 1600
Leach Date: N/A

Analysis Batch: 480-66279
Prep Batch: 480-65978
Leach Batch: N/A
Units: mg/L

Instrument ID: LACHAT2
Lab File ID: OM_5-29-2012_11-53-
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	0.250	0.270	108	90 - 110	

Matrix Spike - Batch: 480-65978

Method: 9012A Preparation: 9012A

Lab Sample ID: 480-20186-2
Client Matrix: Water
Dilution: 8.0
Analysis Date: 05/29/2012 1214
Prep Date: 05/24/2012 1600
Leach Date: N/A

Analysis Batch: 480-66279
Prep Batch: 480-65978
Leach Batch: N/A
Units: mg/L

Instrument ID: LACHAT2
Lab File ID: OM_5-29-2012_11-53-
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	0.86	0.100	1.12	260	85 - 115	4

Quality Control Results

Client: META Environmental

Job Number: 480-20186-1

Duplicate - Batch: 480-65978

Method: 9012A Preparation: 9012A

Lab Sample ID:	480-20186-1	Analysis Batch:	480-66279	Instrument ID:	LACHAT2
Client Matrix:	Water	Prep Batch:	480-65978	Lab File ID:	OM_5-29-2012_11-53-
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/29/2012 1158	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	05/24/2012 1600				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Cyanide, Total	0.052	0.0537	2	15	

DATA REPORTING QUALIFIERS

Client: META Environmental

Job Number: 480-20186-1

Lab Section	Qualifier	Description
GC/MS VOA	E	Result exceeded calibration range.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate is outside control limits
GC/MS Semi VOA	*	LCS or LCSD exceeds the control limits
	E	Result exceeded calibration range.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate is outside control limits
General Chemistry	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.

Quality Control Results

Client: META Environmental

Job Number: 480-20186-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
GC/MS VOA					
Analysis Batch:480-65164					
LCS 480-65164/4	Lab Control Sample	T	Water	8260B	
MB 480-65164/5	Method Blank	T	Water	8260B	
480-20186-1	MW8DR	T	Water	8260B	
480-20186-3	MW3DR	T	Water	8260B	
480-20186-4	MW3DR DUP	T	Water	8260B	
480-20186-5	EB1	T	Water	8260B	
Analysis Batch:480-65291					
LCS 480-65291/4	Lab Control Sample	T	Water	8260B	
MB 480-65291/5	Method Blank	T	Water	8260B	
480-20186-3DL	MW3DR	T	Water	8260B	
480-20186-4DL	MW3DR DUP	T	Water	8260B	
Analysis Batch:480-65398					
LCS 480-65398/4	Lab Control Sample	T	Water	8260B	
MB 480-65398/5	Method Blank	T	Water	8260B	
480-20186-1DL	MW8DR	T	Water	8260B	
480-20186-2	DW1R	T	Water	8260B	

Report Basis

T = Total

Quality Control Results

Client: META Environmental

Job Number: 480-20186-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
GC/MS Semi VOA					
Prep Batch: 480-65066					
LCS 480-65066/2-A	Lab Control Sample	T	Water	3510C	
LCSD 480-65066/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 480-65066/1-A	Method Blank	T	Water	3510C	
480-20186-1	MW8DR	T	Water	3510C	
480-20186-1DL	MW8DR	T	Water	3510C	
480-20186-2	DW1R	T	Water	3510C	
480-20186-2DL	DW1R	T	Water	3510C	
480-20186-3	MW3DR	T	Water	3510C	
480-20186-3DL	MW3DR	T	Water	3510C	
480-20186-4	MW3DR DUP	T	Water	3510C	
480-20186-4DL	MW3DR DUP	T	Water	3510C	
480-20186-5	EB1	T	Water	3510C	
Analysis Batch:480-65945					
LCS 480-65066/2-A	Lab Control Sample	T	Water	8270C	480-65066
LCSD 480-65066/3-A	Lab Control Sample Duplicate	T	Water	8270C	480-65066
MB 480-65066/1-A	Method Blank	T	Water	8270C	480-65066
480-20186-1	MW8DR	T	Water	8270C	480-65066
480-20186-2	DW1R	T	Water	8270C	480-65066
480-20186-3	MW3DR	T	Water	8270C	480-65066
480-20186-4	MW3DR DUP	T	Water	8270C	480-65066
480-20186-5	EB1	T	Water	8270C	480-65066
Analysis Batch:480-66043					
480-20186-1DL	MW8DR	T	Water	8270C	480-65066
480-20186-2DL	DW1R	T	Water	8270C	480-65066
480-20186-3DL	MW3DR	T	Water	8270C	480-65066
480-20186-4DL	MW3DR DUP	T	Water	8270C	480-65066

Report Basis

T = Total

Quality Control Results

Client: META Environmental

Job Number: 480-20186-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
General Chemistry					
Prep Batch: 480-65978					
LCS 480-65978/2-A	Lab Control Sample	T	Water	9012A	
MB 480-65978/1-A	Method Blank	T	Water	9012A	
480-20186-1	MW8DR	T	Water	9012A	
480-20186-1DU	Duplicate	T	Water	9012A	
480-20186-2	DW1R	T	Water	9012A	
480-20186-2MS	Matrix Spike	T	Water	9012A	
480-20186-3	MW3DR	T	Water	9012A	
480-20186-4	MW3DR DUP	T	Water	9012A	
480-20186-5	EB1	T	Water	9012A	
Analysis Batch:480-66279					
LCS 480-65978/2-A	Lab Control Sample	T	Water	9012A	480-65978
MB 480-65978/1-A	Method Blank	T	Water	9012A	480-65978
480-20186-1	MW8DR	T	Water	9012A	480-65978
480-20186-1DU	Duplicate	T	Water	9012A	480-65978
480-20186-2	DW1R	T	Water	9012A	480-65978
480-20186-2MS	Matrix Spike	T	Water	9012A	480-65978
480-20186-3	MW3DR	T	Water	9012A	480-65978
480-20186-4	MW3DR DUP	T	Water	9012A	480-65978
480-20186-5	EB1	T	Water	9012A	480-65978

Report Basis

T = Total

Quality Control Results

Client: META Environmental

Job Number: 480-20186-1

Laboratory Chronicle

Lab ID: 480-20186-1

Client ID: MW8DR

Sample Date/Time: 05/15/2012 15:10

Received Date/Time: 05/17/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-20186-F-1		480-65164		05/19/2012 11:56	5	TAL BUF	LH
A:8260B	480-20186-F-1		480-65164		05/19/2012 11:56	5	TAL BUF	LH
P:5030B	480-20186-E-1	DL	480-65398		05/22/2012 01:32	800	TAL BUF	DC
A:8260B	480-20186-E-1	DL	480-65398		05/22/2012 01:32	800	TAL BUF	DC
P:3510C	480-20186-A-1-A		480-65945	480-65066	05/18/2012 13:56	1	TAL BUF	DE
A:8270C	480-20186-A-1-A		480-65945	480-65066	05/25/2012 05:39	1	TAL BUF	HTL
P:3510C	480-20186-A-1-A	DL	480-66043	480-65066	05/18/2012 13:56	100	TAL BUF	DE
A:8270C	480-20186-A-1-A	DL	480-66043	480-65066	05/25/2012 15:05	100	TAL BUF	HTL
P:9012A	480-20186-C-1-A		480-66279	480-65978	05/24/2012 16:00	1	TAL BUF	ML
A:9012A	480-20186-C-1-A		480-66279	480-65978	05/29/2012 11:57	1	TAL BUF	NH

Lab ID: 480-20186-1 DU

Client ID: MW8DR

Sample Date/Time: 05/15/2012 15:10

Received Date/Time: 05/17/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:9012A	480-20186-C-1-B DU		480-66279	480-65978	05/24/2012 16:00	1	TAL BUF	ML
A:9012A	480-20186-C-1-B DU		480-66279	480-65978	05/29/2012 11:58	1	TAL BUF	NH

Lab ID: 480-20186-2

Client ID: DW1R

Sample Date/Time: 05/15/2012 11:30

Received Date/Time: 05/17/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-20186-D-2		480-65398		05/22/2012 01:55	800	TAL BUF	DC
A:8260B	480-20186-D-2		480-65398		05/22/2012 01:55	800	TAL BUF	DC
P:3510C	480-20186-A-2-A		480-65945	480-65066	05/18/2012 13:56	1	TAL BUF	DE
A:8270C	480-20186-A-2-A		480-65945	480-65066	05/25/2012 06:03	1	TAL BUF	HTL
P:3510C	480-20186-A-2-A	DL	480-66043	480-65066	05/18/2012 13:56	50	TAL BUF	DE
A:8270C	480-20186-A-2-A	DL	480-66043	480-65066	05/25/2012 15:30	50	TAL BUF	HTL
P:9012A	480-20186-C-2-A ^4		480-66279	480-65978	05/24/2012 16:00	4	TAL BUF	ML
A:9012A	480-20186-C-2-A ^4		480-66279	480-65978	05/29/2012 12:13	4	TAL BUF	NH

Lab ID: 480-20186-2 MS

Client ID: DW1R

Sample Date/Time: 05/15/2012 11:30

Received Date/Time: 05/17/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:9012A	480-20186-C-2-B MS ^8		480-66279	480-65978	05/24/2012 16:00	8	TAL BUF	ML
A:9012A	480-20186-C-2-B MS ^8		480-66279	480-65978	05/29/2012 12:14	8	TAL BUF	NH

Quality Control Results

Client: META Environmental

Job Number: 480-20186-1

Laboratory Chronicle

Lab ID: 480-20186-3

Client ID: MW3DR

Sample Date/Time: 05/15/2012 11:05

Received Date/Time: 05/17/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-20186-F-3		480-65164		05/19/2012 12:43	5	TAL BUF	LH
A:8260B	480-20186-F-3		480-65164		05/19/2012 12:43	5	TAL BUF	LH
P:5030B	480-20186-E-3	DL	480-65291		05/21/2012 13:21	20	TAL BUF	RL
A:8260B	480-20186-E-3	DL	480-65291		05/21/2012 13:21	20	TAL BUF	RL
P:3510C	480-20186-A-3-A		480-65945	480-65066	05/18/2012 13:56	1	TAL BUF	DE
A:8270C	480-20186-A-3-A		480-65945	480-65066	05/25/2012 06:27	1	TAL BUF	HTL
P:3510C	480-20186-A-3-A	DL	480-66043	480-65066	05/18/2012 13:56	10	TAL BUF	DE
A:8270C	480-20186-A-3-A	DL	480-66043	480-65066	05/25/2012 15:54	10	TAL BUF	HTL
P:9012A	480-20186-C-3-A ^8		480-66279	480-65978	05/24/2012 16:00	8	TAL BUF	ML
A:9012A	480-20186-C-3-A ^8		480-66279	480-65978	05/29/2012 12:19	8	TAL BUF	NH

Lab ID: 480-20186-4

Client ID: MW3DR DUP

Sample Date/Time: 05/15/2012 11:05

Received Date/Time: 05/17/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-20186-D-4		480-65164		05/19/2012 13:07	5	TAL BUF	LH
A:8260B	480-20186-D-4		480-65164		05/19/2012 13:07	5	TAL BUF	LH
P:5030B	480-20186-E-4	DL	480-65291		05/21/2012 13:44	20	TAL BUF	RL
A:8260B	480-20186-E-4	DL	480-65291		05/21/2012 13:44	20	TAL BUF	RL
P:3510C	480-20186-B-4-A		480-65945	480-65066	05/18/2012 13:56	1	TAL BUF	DE
A:8270C	480-20186-B-4-A		480-65945	480-65066	05/25/2012 06:51	1	TAL BUF	HTL
P:3510C	480-20186-B-4-A	DL	480-66043	480-65066	05/18/2012 13:56	10	TAL BUF	DE
A:8270C	480-20186-B-4-A	DL	480-66043	480-65066	05/25/2012 16:18	10	TAL BUF	HTL
P:9012A	480-20186-C-4-A ^8		480-66279	480-65978	05/24/2012 16:00	8	TAL BUF	ML
A:9012A	480-20186-C-4-A ^8		480-66279	480-65978	05/29/2012 12:16	8	TAL BUF	NH

Lab ID: 480-20186-5

Client ID: EB1

Sample Date/Time: 05/15/2012 15:00

Received Date/Time: 05/17/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-20186-F-5		480-65164		05/19/2012 13:30	1	TAL BUF	LH
A:8260B	480-20186-F-5		480-65164		05/19/2012 13:30	1	TAL BUF	LH
P:3510C	480-20186-A-5-A		480-65945	480-65066	05/18/2012 13:56	1	TAL BUF	DE
A:8270C	480-20186-A-5-A		480-65945	480-65066	05/25/2012 07:15	1	TAL BUF	HTL
P:9012A	480-20186-C-5-A		480-66279	480-65978	05/24/2012 16:00	1	TAL BUF	ML
A:9012A	480-20186-C-5-A		480-66279	480-65978	05/29/2012 12:02	1	TAL BUF	NH

Quality Control Results

Client: META Environmental

Job Number: 480-20186-1

Laboratory Chronicle

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MB 480-65164/5		480-65164		05/19/2012 11:18	1	TAL BUF	LH
A:8260B	MB 480-65164/5		480-65164		05/19/2012 11:18	1	TAL BUF	LH
P:5030B	MB 480-65291/5		480-65291		05/21/2012 12:02	1	TAL BUF	RL
A:8260B	MB 480-65291/5		480-65291		05/21/2012 12:02	1	TAL BUF	RL
P:5030B	MB 480-65398/5		480-65398		05/22/2012 00:12	1	TAL BUF	DC
A:8260B	MB 480-65398/5		480-65398		05/22/2012 00:12	1	TAL BUF	DC
P:3510C	MB 480-65066/1-A		480-65945	480-65066	05/18/2012 13:56	1	TAL BUF	DE
A:8270C	MB 480-65066/1-A		480-65945	480-65066	05/24/2012 23:14	1	TAL BUF	HTL
P:9012A	MB 480-65978/1-A		480-66279	480-65978	05/24/2012 16:00	1	TAL BUF	ML
A:9012A	MB 480-65978/1-A		480-66279	480-65978	05/29/2012 12:06	1	TAL BUF	NH

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 480-65164/4		480-65164		05/19/2012 10:54	1	TAL BUF	LH
A:8260B	LCS 480-65164/4		480-65164		05/19/2012 10:54	1	TAL BUF	LH
P:5030B	LCS 480-65291/4		480-65291		05/21/2012 11:38	1	TAL BUF	RL
A:8260B	LCS 480-65291/4		480-65291		05/21/2012 11:38	1	TAL BUF	RL
P:5030B	LCS 480-65398/4		480-65398		05/21/2012 23:48	1	TAL BUF	DC
A:8260B	LCS 480-65398/4		480-65398		05/21/2012 23:48	1	TAL BUF	DC
P:3510C	LCS 480-65066/2-A		480-65945	480-65066	05/18/2012 13:56	1	TAL BUF	DE
A:8270C	LCS 480-65066/2-A		480-65945	480-65066	05/24/2012 23:38	1	TAL BUF	HTL
P:9012A	LCS 480-65978/2-A		480-66279	480-65978	05/24/2012 16:00	1	TAL BUF	ML
A:9012A	LCS 480-65978/2-A		480-66279	480-65978	05/29/2012 11:56	1	TAL BUF	NH

Lab ID: LCSD

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	LCSD 480-65066/3-A		480-65945	480-65066	05/18/2012 13:56	1	TAL BUF	DE
A:8270C	LCSD 480-65066/3-A		480-65945	480-65066	05/25/2012 00:02	1	TAL BUF	HTL

Lab References:

TAL BUF = TestAmerica Buffalo

Method 8260B

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

Certification Summary

Client: META Environmental
Project/Site: RG&E East Station Former MPG Site-RI

TestAmerica Job ID: 480-20186-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Buffalo	Arkansas DEQ	State Program	6	88-0686
TestAmerica Buffalo	California	NELAC	9	1169CA
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568
TestAmerica Buffalo	Florida	NELAC	4	E87672
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Georgia	State Program	4	N/A
TestAmerica Buffalo	Illinois	NELAC	5	100325 / 200003
TestAmerica Buffalo	Iowa	State Program	7	374
TestAmerica Buffalo	Kansas	NELAC	7	E-10187
TestAmerica Buffalo	Kentucky	State Program	4	90029
TestAmerica Buffalo	Kentucky (UST)	State Program	4	30
TestAmerica Buffalo	Louisiana	NELAC	6	02031
TestAmerica Buffalo	Maine	State Program	1	NY0044
TestAmerica Buffalo	Maryland	State Program	3	294
TestAmerica Buffalo	Massachusetts	State Program	1	M-NY044
TestAmerica Buffalo	Michigan	State Program	5	9937
TestAmerica Buffalo	Minnesota	NELAC	5	036-999-337
TestAmerica Buffalo	New Hampshire	NELAC	1	2337
TestAmerica Buffalo	New Hampshire	NELAC	1	68-00281
TestAmerica Buffalo	New Jersey	NELAC	2	NY455
TestAmerica Buffalo	New York	NELAC	2	10026
TestAmerica Buffalo	North Dakota	State Program	8	R-176
TestAmerica Buffalo	Oklahoma	State Program	6	9421
TestAmerica Buffalo	Oregon	NELAC	10	NY200003
TestAmerica Buffalo	Pennsylvania	NELAC	3	68-00281
TestAmerica Buffalo	Tennessee	State Program	4	TN02970
TestAmerica Buffalo	Texas	NELAC	6	T104704412-08-TX
TestAmerica Buffalo	USDA	Federal		P330-08-00242
TestAmerica Buffalo	Virginia	NELAC	3	460185
TestAmerica Buffalo	Virginia	State Program	3	278
TestAmerica Buffalo	Washington	State Program	10	C1677
TestAmerica Buffalo	West Virginia DEP	State Program	3	252
TestAmerica Buffalo	Wisconsin	State Program	5	998310390

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
SDG No.: _____
Matrix: Water Level: Low
GC Column (1): ZB-624 (60) ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
MW8DR	480-20186-1	60 X	117	117
MW8DR DL	480-20186-1 DL	85	99	102
DW1R	480-20186-2	88	103	106
MW3DR	480-20186-3	115	114	114
MW3DR DL	480-20186-3 DL	96	110	111
MW3DR DUP	480-20186-4	120	113	116
MW3DR DUP DL	480-20186-4 DL	90	106	109
EB1	480-20186-5	118	114	113
	MB 480-65164/5	122	113	111
	MB 480-65291/5	88	102	106
	MB 480-65398/5	85	98	101
	LCS 480-65164/4	122	114	116
	LCS 480-65291/4	92	111	112
	LCS 480-65398/4	88	100	106

	<u>QC LIMITS</u>
DCA = 1,2-Dichloroethane-d4 (Surr)	66-137
TOL = Toluene-d8 (Surr)	71-126
BFB = 4-Bromofluorobenzene (Surr)	73-120

Column to be used to flag recovery values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: N7831.D
Lab ID: LCS 480-65164/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Benzene	25.0	27.9	112	71-124	
Toluene	25.0	28.6	114	70-122	
Ethylbenzene	25.0	29.7	119	77-123	
m-Xylene & p-Xylene	50.0	58.3	117	76-122	
o-Xylene	25.0	28.4	114	76-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: T8446.D
Lab ID: LCS 480-65291/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Benzene	25.0	23.7	95	71-124	
Toluene	25.0	23.9	96	70-122	
Ethylbenzene	25.0	23.5	94	77-123	
m-Xylene & p-Xylene	50.0	50.2	100	76-122	
o-Xylene	25.0	25.0	100	76-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: T8478.D
Lab ID: LCS 480-65398/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Benzene	25.0	23.4	94	71-124	
Toluene	25.0	24.0	96	70-122	
Ethylbenzene	25.0	23.3	93	77-123	
m-Xylene & p-Xylene	50.0	50.8	102	76-122	
o-Xylene	25.0	23.8	95	76-122	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
SDG No.: _____
Lab File ID: N7832.D Lab Sample ID: MB 480-65164/5
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5973N Date Analyzed: 05/19/2012 11:18
GC Column: ZB-624 (60) ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-65164/4	N7831.D	05/19/2012 10:54
MW8DR	480-20186-1	N7833.D	05/19/2012 11:56
MW3DR	480-20186-3	N7835.D	05/19/2012 12:43
MW3DR DUP	480-20186-4	N7836.D	05/19/2012 13:07
EB1	480-20186-5	N7837.D	05/19/2012 13:30

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
SDG No.: _____
Lab File ID: T8447.D Lab Sample ID: MB 480-65291/5
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5975T Date Analyzed: 05/21/2012 12:02
GC Column: ZB-624 (60) ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-65291/4	T8446.D	05/21/2012 11:38
MW3DR DL	480-20186-3 DL	T8450.D	05/21/2012 13:21
MW3DR DUP DL	480-20186-4 DL	T8451.D	05/21/2012 13:44

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
SDG No.: _____
Lab File ID: T8479.D Lab Sample ID: MB 480-65398/5
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5975T Date Analyzed: 05/22/2012 00:12
GC Column: ZB-624 (60) ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-65398/4	T8478.D	05/21/2012 23:48
MW8DR DL	480-20186-1 DL	T8482.D	05/22/2012 01:32
DW1R	480-20186-2	T8483.D	05/22/2012 01:55

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

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
SDG No.: _____
Lab File ID: N7433.D BFB Injection Date: 05/08/2012
Instrument ID: HP5973N BFB Injection Time: 21:19
Analysis Batch No.: 63571

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	30.0
75	30.0 - 60.0 % of mass 95	43.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.9
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	76.9
175	5.0 - 9.0 % of mass 174	5.4 (7.1) 1
176	95.0 - 101.0 % of mass 174	73.6 (95.8) 1
177	5.0 - 9.0 % of mass 176	4.5 (6.2) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-63571/3	N7435.D	05/08/2012	22:15
	IC 480-63571/4	N7436.D	05/08/2012	22:39
	IC 480-63571/5	N7437.D	05/08/2012	23:02
	ICIS 480-63571/6	N7438.D	05/08/2012	23:26
	IC 480-63571/7	N7439.D	05/08/2012	23:50
	IC 480-63571/8	N7440.D	05/09/2012	00:14

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

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
 SDG No.: _____
 Lab File ID: N7828.D BFB Injection Date: 05/19/2012
 Instrument ID: HP5973N BFB Injection Time: 08:46
 Analysis Batch No.: 65164

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	31.9
75	30.0 - 60.0 % of mass 95	47.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.7
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	76.6
175	5.0 - 9.0 % of mass 174	5.9 (7.7) 1
176	95.0 - 101.0 % of mass 174	74.3 (97.0) 1
177	5.0 - 9.0 % of mass 176	4.3 (5.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-65164/2	N7829.D	05/19/2012	09:59
	LCS 480-65164/4	N7831.D	05/19/2012	10:54
	MB 480-65164/5	N7832.D	05/19/2012	11:18
MW8DR	480-20186-1	N7833.D	05/19/2012	11:56
MW3DR	480-20186-3	N7835.D	05/19/2012	12:43
MW3DR DUP	480-20186-4	N7836.D	05/19/2012	13:07
EB1	480-20186-5	N7837.D	05/19/2012	13:30

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

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
SDG No.: _____
Lab File ID: T7041.D BFB Injection Date: 04/16/2012
Instrument ID: HP5975T BFB Injection Time: 13:14
Analysis Batch No.: 59786

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	21.6
75	30.0 - 60.0 % of mass 95	48.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.2
173	Less than 2.0 % of mass 174	0.3 (0.4) 1
174	50.0 - 120.00 % of mass 95	84.0
175	5.0 - 9.0 % of mass 174	6.4 (7.6) 1
176	95.0 - 101.0 % of mass 174	82.9 (98.7) 1
177	5.0 - 9.0 % of mass 176	5.6 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-59786/3	T7044.D	04/16/2012	14:25
	IC 480-59786/4	T7045.D	04/16/2012	14:49
	ICIS 480-59786/5	T7046.D	04/16/2012	15:12
	IC 480-59786/6	T7047.D	04/16/2012	15:36
	IC 480-59786/7	T7048.D	04/16/2012	16:00
	IC 480-59786/16	T7052.D	04/16/2012	17:35

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

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
 SDG No.: _____
 Lab File ID: T8443.D BFB Injection Date: 05/21/2012
 Instrument ID: HP5975T BFB Injection Time: 10:01
 Analysis Batch No.: 65291

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	21.4
75	30.0 - 60.0 % of mass 95	46.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	5.7
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	91.4
175	5.0 - 9.0 % of mass 174	5.5 (6.1) 1
176	95.0 - 101.0 % of mass 174	89.7 (98.1) 1
177	5.0 - 9.0 % of mass 176	6.0 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-65291/2	T8444.D	05/21/2012	10:31
	LCS 480-65291/4	T8446.D	05/21/2012	11:38
	MB 480-65291/5	T8447.D	05/21/2012	12:02
MW3DR DL	480-20186-3 DL	T8450.D	05/21/2012	13:21
MW3DR DUP DL	480-20186-4 DL	T8451.D	05/21/2012	13:44

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

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
SDG No.: _____
Lab File ID: T8475.D BFB Injection Date: 05/21/2012
Instrument ID: HP5975T BFB Injection Time: 22:25
Analysis Batch No.: 65398

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	19.0
75	30.0 - 60.0 % of mass 95	48.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.0
173	Less than 2.0 % of mass 174	1.3 (1.4) 1
174	50.0 - 120.00 % of mass 95	92.9
175	5.0 - 9.0 % of mass 174	8.0 (8.6) 1
176	95.0 - 101.0 % of mass 174	89.3 (96.2) 1
177	5.0 - 9.0 % of mass 176	5.9 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-65398/2	T8476.D	05/21/2012	22:47
	LCS 480-65398/4	T8478.D	05/21/2012	23:48
	MB 480-65398/5	T8479.D	05/22/2012	00:12
MW8DR DL	480-20186-1 DL	T8482.D	05/22/2012	01:32
DW1R	480-20186-2	T8483.D	05/22/2012	01:55

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

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
SDG No.: _____
Sample No.: ICIS 480-63571/6 Date Analyzed: 05/08/2012 23:26
Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25 (mm)
Lab File ID (Standard): N7438.D Heated Purge: (Y/N) N
Calibration ID: 8208

	DFB		CBZ		DCB		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	923535	4.52	759341	7.31	378515	9.78	
UPPER LIMIT	1847070	5.02	1518682	7.81	757030	10.28	
LOWER LIMIT	461768	4.02	379671	6.81	189258	9.28	
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-65164/2		875516	4.52	707376	7.31	357032	9.78

DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
 SDG No.: _____
 Sample No.: CCVIS 480-65164/2 Date Analyzed: 05/19/2012 09:59
 Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): N7829.D Heated Purge: (Y/N) N
 Calibration ID: 8209

		DFB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		875516	4.52	707376	7.31	357032	9.78
UPPER LIMIT		1751032	5.02	1414752	7.81	714064	10.28
LOWER LIMIT		437758	4.02	353688	6.81	178516	9.28
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-65164/4		814942	4.52	672107	7.31	343801	9.78
MB 480-65164/5		796673	4.52	657678	7.31	326299	9.78
480-20186-1	MW8DR	898719	4.52	683051	7.31	353627	9.78
480-20186-3	MW3DR	817902	4.52	665282	7.31	341380	9.78
480-20186-4	MW3DR DUP	817340	4.52	670466	7.31	349085	9.78
480-20186-5	EB1	784757	4.52	656065	7.31	330610	9.78

DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5
 DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
SDG No.: _____
Sample No.: ICIS 480-59786/5 Date Analyzed: 04/16/2012 15:12
Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25 (mm)
Lab File ID (Standard): T7046.D Heated Purge: (Y/N) N
Calibration ID: 7887

	DFB		CBZ		DCB		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	625645	4.50	557487	6.71	295792	8.56	
UPPER LIMIT	1251290	5.00	1114974	7.21	591584	9.06	
LOWER LIMIT	312823	4.00	278744	6.21	147896	8.06	
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-65291/2		658307	4.50	584883	6.71	331708	8.56
CCVIS 480-65398/2		639461	4.50	594317	6.71	323925	8.56

DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
SDG No.: _____
Sample No.: CCVIS 480-65291/2 Date Analyzed: 05/21/2012 10:31
Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25 (mm)
Lab File ID (Standard): T8444.D Heated Purge: (Y/N) N
Calibration ID: 7893

	DFB		CBZ		DCB		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	658307	4.50	584883	6.71	331708	8.56	
UPPER LIMIT	1316614	5.00	1169766	7.21	663416	9.06	
LOWER LIMIT	329154	4.00	292442	6.21	165854	8.06	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-65291/4		617499	4.50	546526	6.71	321002	8.56
MB 480-65291/5		644996	4.50	571221	6.71	316500	8.56
480-20186-3 DL	MW3DR DL	591454	4.50	541562	6.71	302178	8.56
480-20186-4 DL	MW3DR DUP DL	632446	4.50	559111	6.71	324193	8.56

DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
 SDG No.: _____
 Sample No.: CCVIS 480-65398/2 Date Analyzed: 05/21/2012 22:47
 Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): T8476.D Heated Purge: (Y/N) N
 Calibration ID: 7893

	DFB		CBZ		DCB		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	639461	4.50	594317	6.71	323925	8.56	
UPPER LIMIT	1278922	5.00	1188634	7.21	647850	9.06	
LOWER LIMIT	319731	4.00	297159	6.21	161963	8.06	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-65398/4		631539	4.50	575852	6.71	320046	8.56
MB 480-65398/5		642471	4.50	577265	6.71	327468	8.56
480-20186-1 DL	MW8DR DL	643876	4.50	581508	6.71	306324	8.56
480-20186-2	DW1R	628694	4.50	560277	6.71	310564	8.56

DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5
 DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
 SDG No.: _____
 Client Sample ID: MW8DR Lab Sample ID: 480-20186-1
 Matrix: Water Lab File ID: N7833.D
 Analysis Method: 8260B Date Collected: 05/15/2012 15:10
 Sample wt/vol: 5(mL) Date Analyzed: 05/19/2012 11:56
 Soil Aliquot Vol: _____ Dilution Factor: 5
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 65164 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	<i>Benzene</i>	4500	E	5.0	2.1
108-88-3	Toluene	120		5.0	2.6
100-41-4	<i>Ethylbenzene</i>	1700	E	5.0	3.7
179601-23-1	m-Xylene & p-Xylene	950		10	3.3
95-47-6	o-Xylene	690	E	5.0	3.8
1330-20-7	Xylenes, Total	1600	E	10	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	60	X	66-137
2037-26-5	Toluene-d8 (Surr)	117		71-126
460-00-4	4-Bromofluorobenzene (Surr)	117		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20120519-12045.b\N7833.D
 Lims ID: 480-20186-F-1 Client ID: MW8DR
 Inject. Date: 19-May-2012 11:56:30 Dil. Factor: 5.0000
 Sample Type: Client
 Sample ID: 480-20186-F-1
 Misc. Info.: 480-0012045-006
 Operator: LH Instrument ID: HP5973N
 Vol. Injected: 1.0000 ALS Bottle#: 50
 Lims Batch ID: 65164 Lims Sample ID: 6
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20120519-12045.b\N-8260.m
 Last Update: 19-May-2012 11:42:19 Calib Date: 09-May-2012 04:33:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20120508-11730.b\N7451.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: HillL

Date: 21-May-2012 06:44:24

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.519	4.518	0.001	95	898719	25.0	
* 2 Chlorobenzene-d5	117	7.311	7.311	0.0	91	683051	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.781	9.781	0.0	96	353627	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.160	4.129	0.031	33	214158	15.0	
\$ 6 Toluene-d8 (Surr)	98	5.869	5.869	0.0	86	1008886	29.2	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.558	8.558	0.0	83	280091	29.3	
55 Benzene	78	4.135	4.135	0.006	33	41915147	897.9	EM
73 Toluene	92	5.930	5.930	0.0	90	588565	23.4	
88 Ethylbenzene	91	7.451	7.445	0.006	86	15470726	332.7	E
90 m-Xylene & p-Xylene	106	7.573	7.572	0.001	97	3482617	190.3	
91 o-Xylene	106	7.986	7.986	0.0	97	2463224	137.6	E
S 125 Total BTEX	1				0		1581.9	
S 126 Xylenes, Total	1				0		327.8	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Review Flags

M - Manually Integrated

Report Date: 21-May-2012 06:44:24

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973N\20120519-12045.b\N7833.D

Injection Date: 19-May-2012 11:56:30

Limit Group: MV - 8260B ICAL

Client ID: MW8DR

Instrument ID: HP5973N

Lims Batch ID: 65164

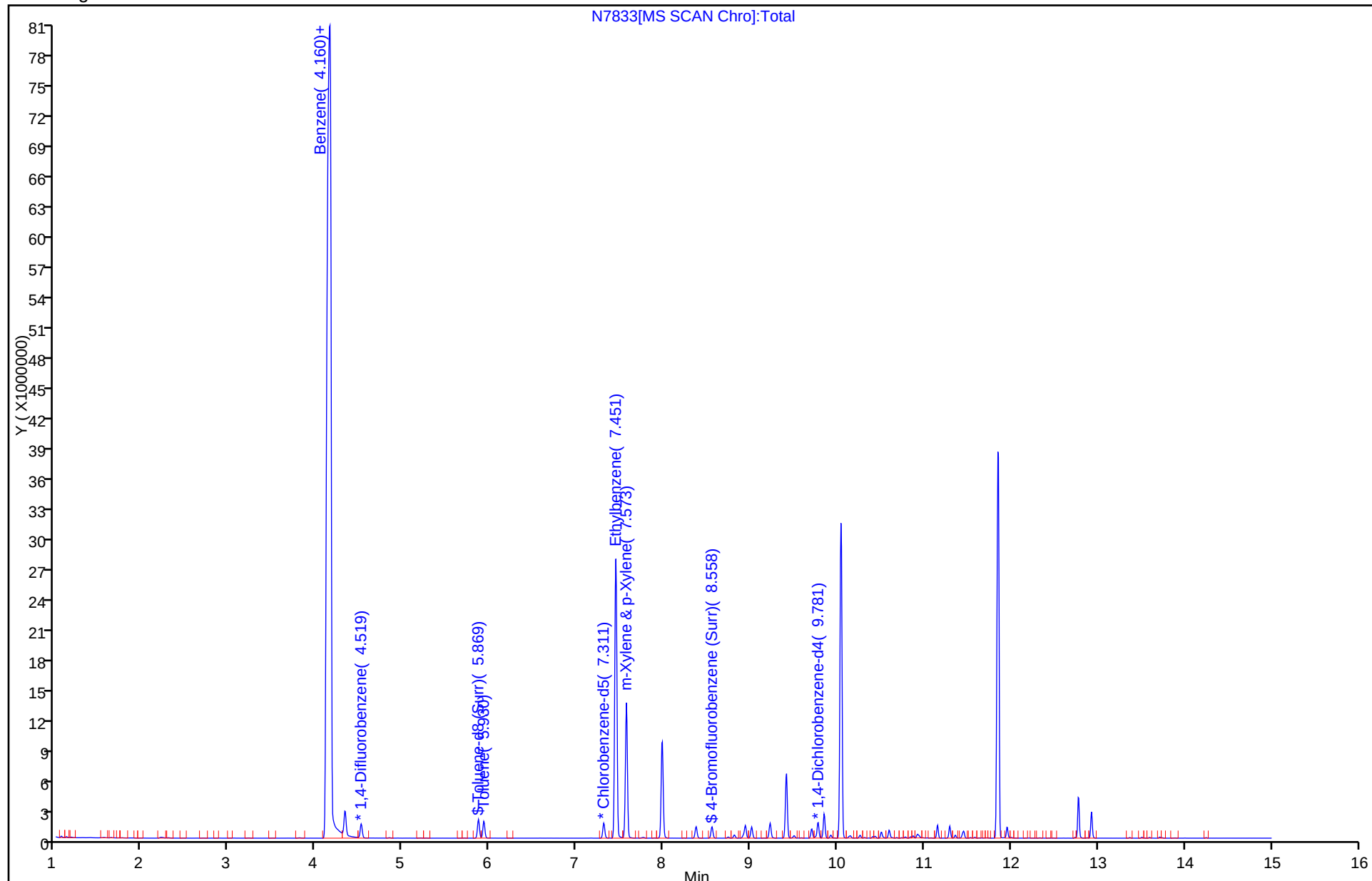
Lims Sample ID: 6

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 21-May-2012 06:44:24

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973N\20120519-12045.b\N7833.D

Injection Date: 19-May-2012 11:56:30

Limit Group: MV - 8260B ICAL

Client ID: MW8DR

Instrument ID: HP5973N

Lims Batch ID: 65164

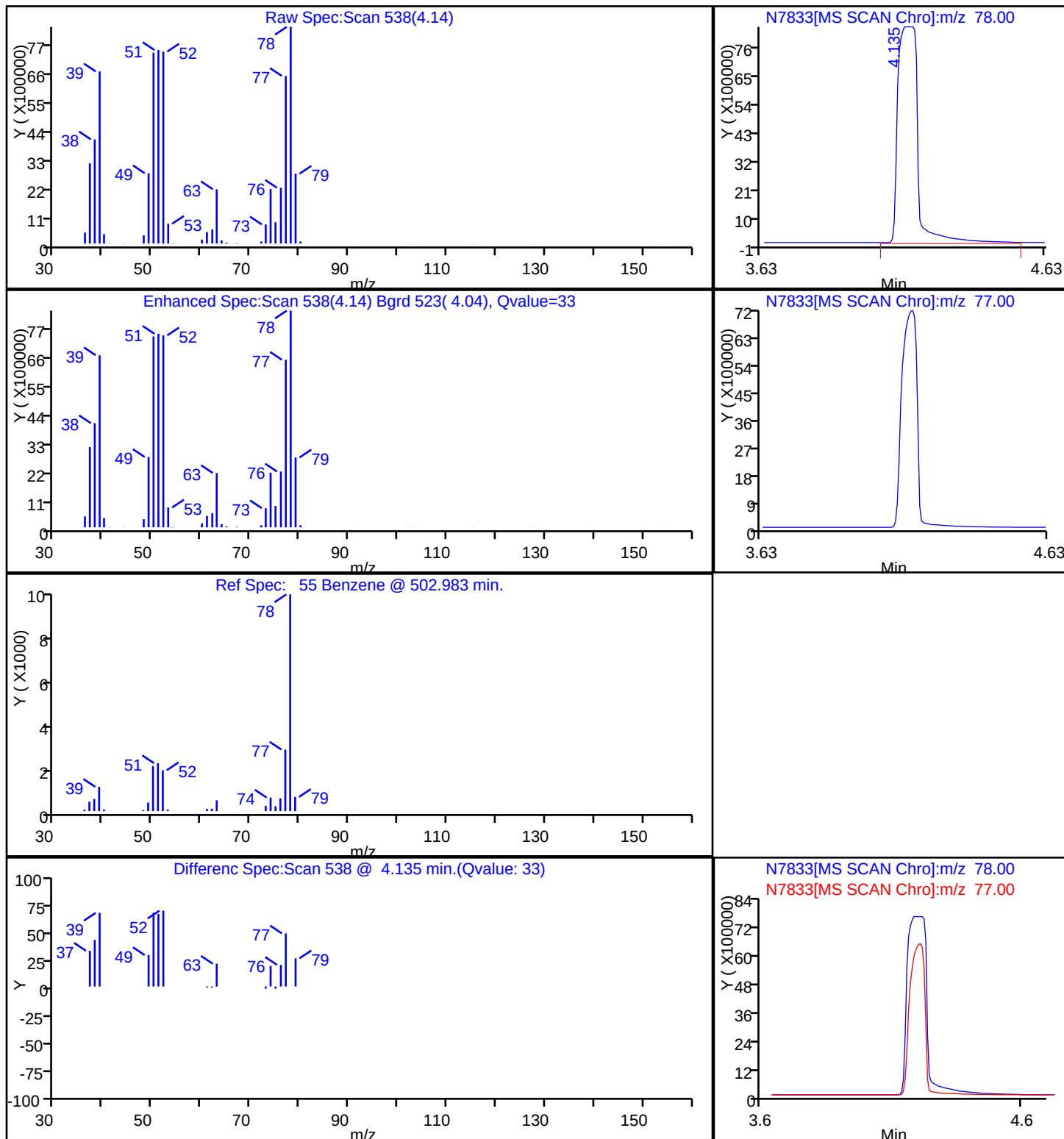
Lims Sample ID: 6

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

55 Benzene



Report Date: 21-May-2012 06:44:24

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973N\20120519-12045.b\N7833.D

Injection Date: 19-May-2012 11:56:30

Limit Group: MV - 8260B ICAL

Client ID: MW8DR

Instrument ID: HP5973N

Lims Batch ID: 65164

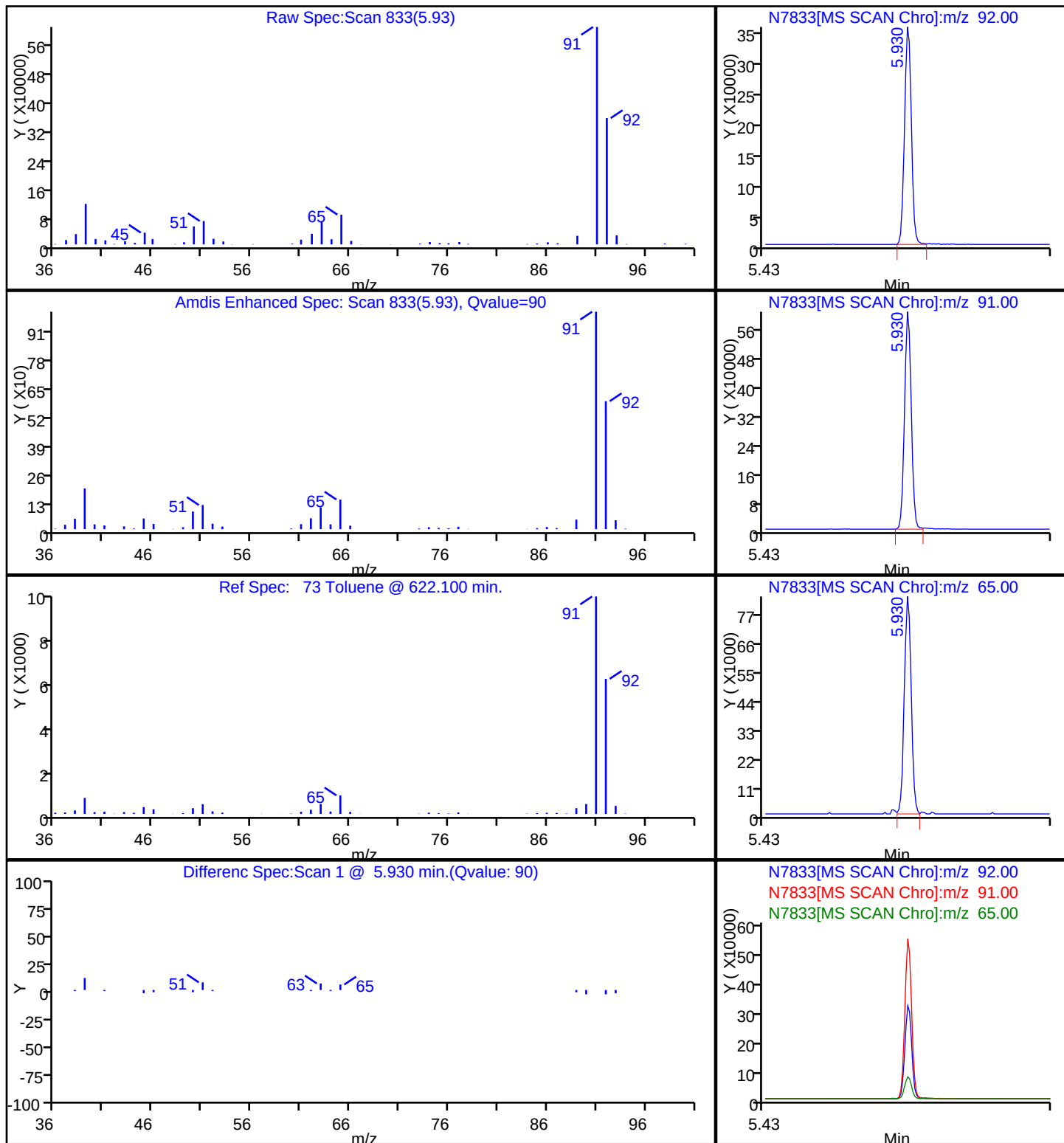
Lims Sample ID: 6

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

73 Toluene



Report Date: 21-May-2012 06:44:24

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973N\20120519-12045.b\N7833.D

Injection Date: 19-May-2012 11:56:30

Limit Group: MV - 8260B ICAL

Client ID: MW8DR

Instrument ID: HP5973N

Lims Batch ID: 65164

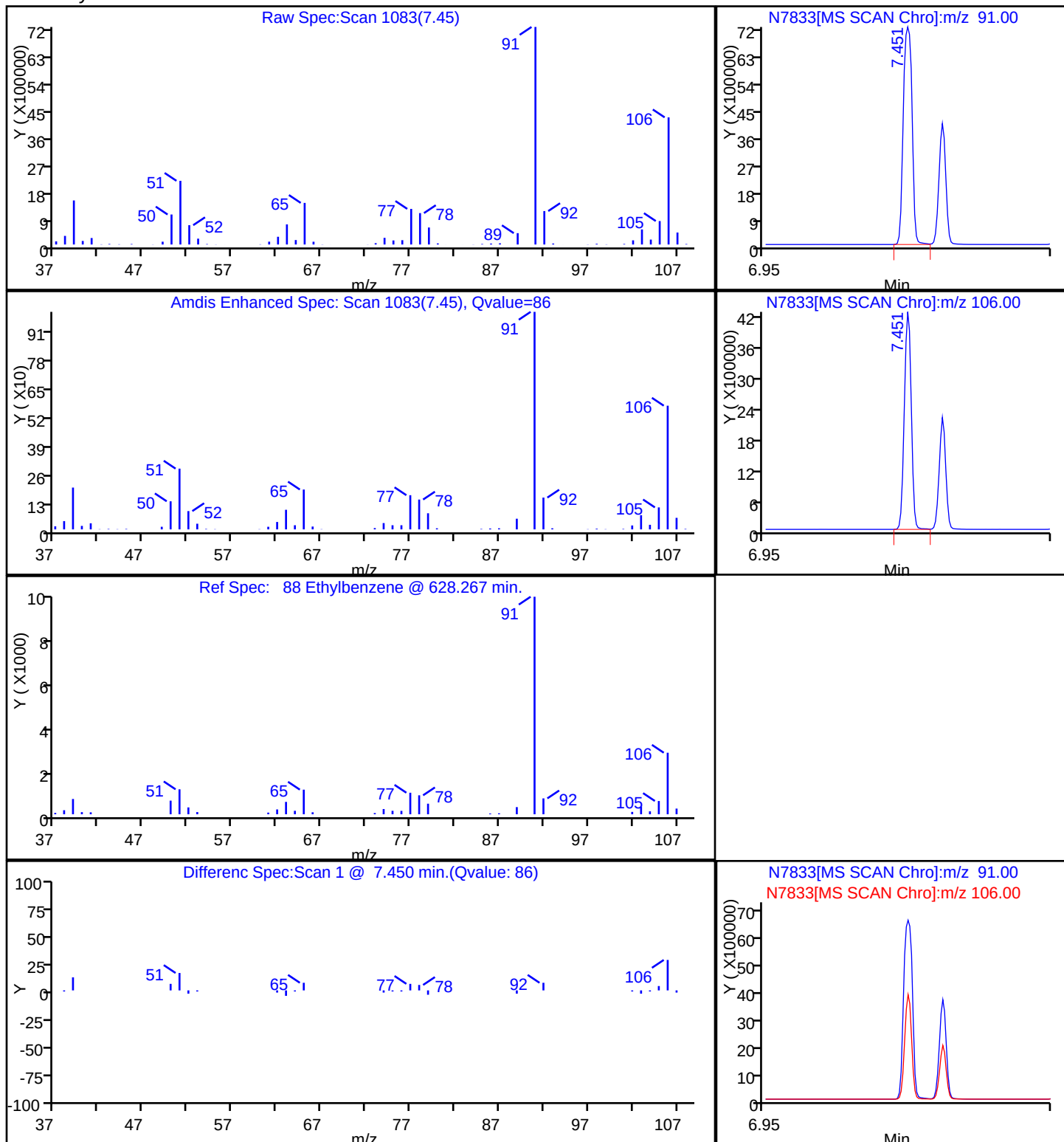
Lims Sample ID: 6

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

88 Ethylbenzene



Report Date: 21-May-2012 06:44:24

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973N\20120519-12045.b\N7833.D

Injection Date: 19-May-2012 11:56:30

Limit Group: MV - 8260B ICAL

Client ID: MW8DR

Instrument ID: HP5973N

Lims Batch ID: 65164

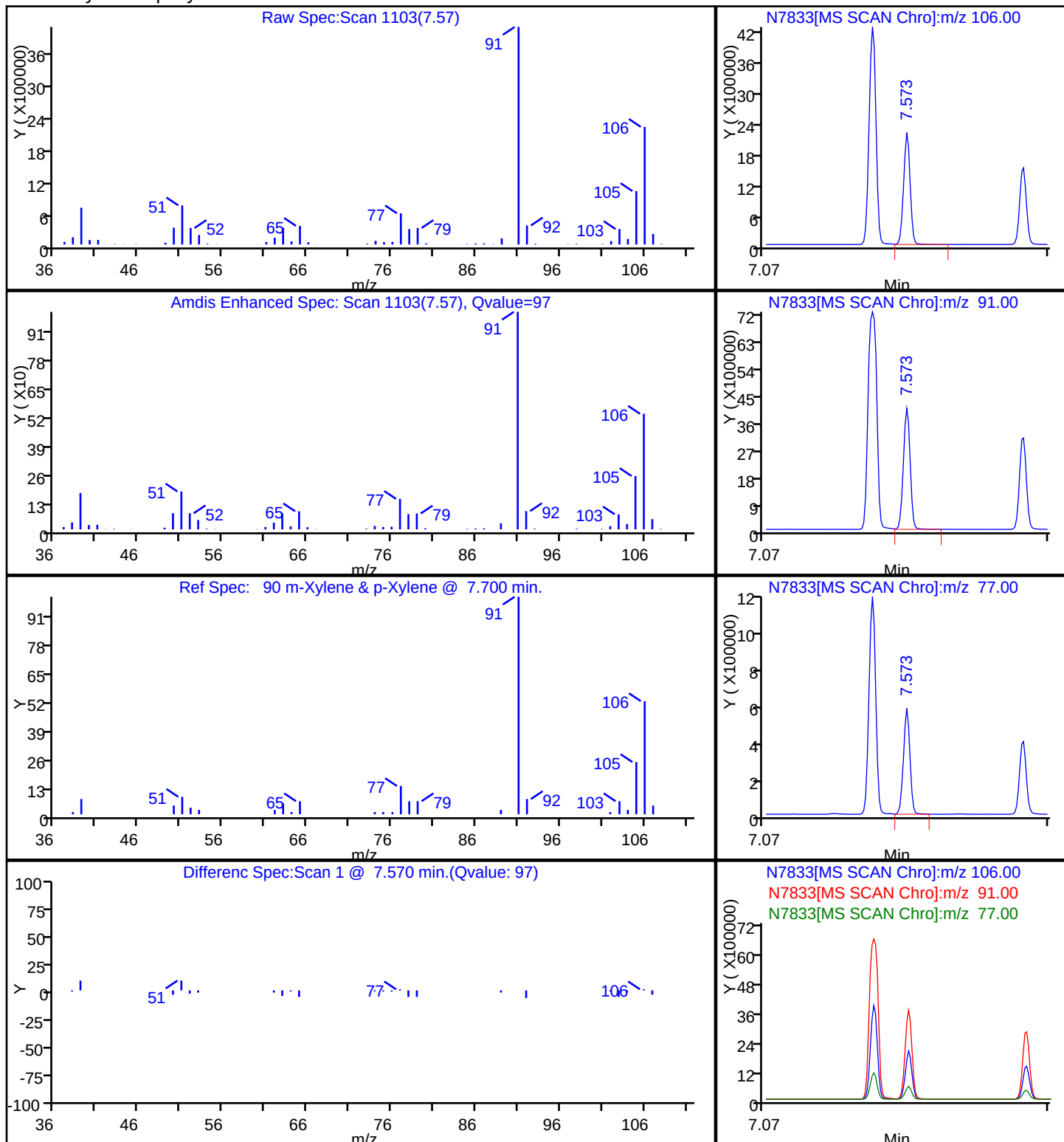
Lims Sample ID: 6

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

90 m-Xylene & p-Xylene



Report Date: 21-May-2012 06:44:24

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973N\20120519-12045.b\N7833.D

Injection Date: 19-May-2012 11:56:30

Limit Group: MV - 8260B ICAL

Client ID: MW8DR

Instrument ID: HP5973N

Lims Batch ID: 65164

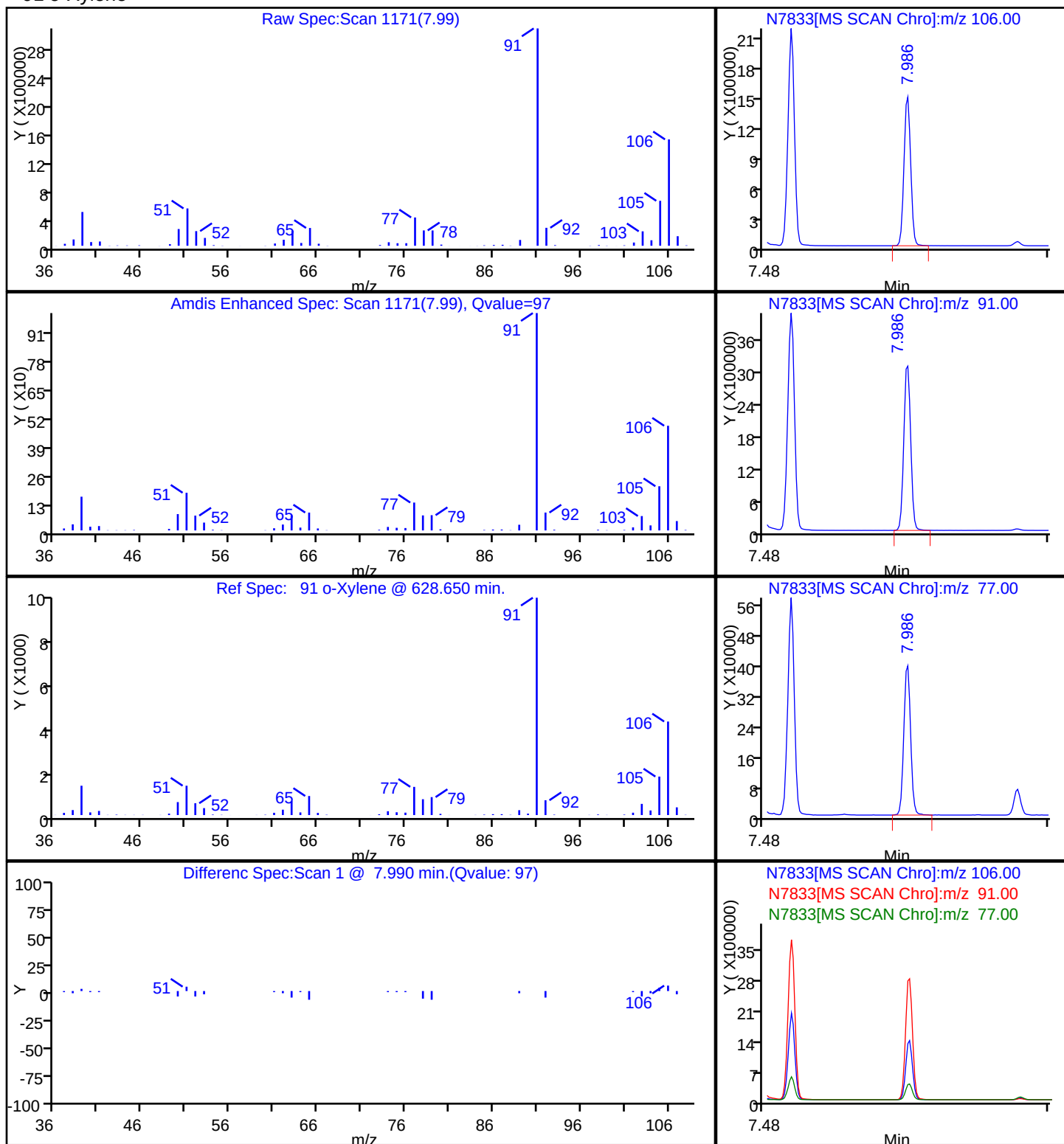
Lims Sample ID: 6

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

91 o-Xylene

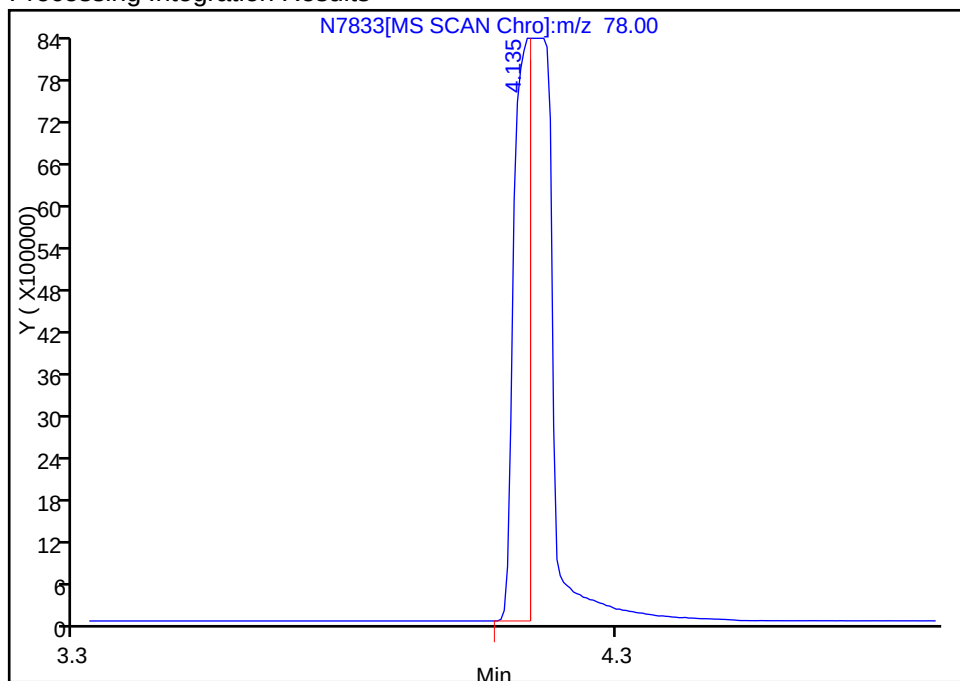


Data File: \\Bufchrom\ChromData\HP5973N\20120519-12045.b\N7833.D
Injection Date: 19-May-2012 11:56:30 Limit Group: MV - 8260B ICAL
Client ID: MW8DR Instrument ID: HP5973N
Lims Batch ID: 65164 Lims Sample ID: 6
Operator ID: LH
Column Type: ZB-624 Column Dia: 0.25 mm

55 Benzene, Signal: 1, m/z: 78.0 Type: quant, RT: 4.13

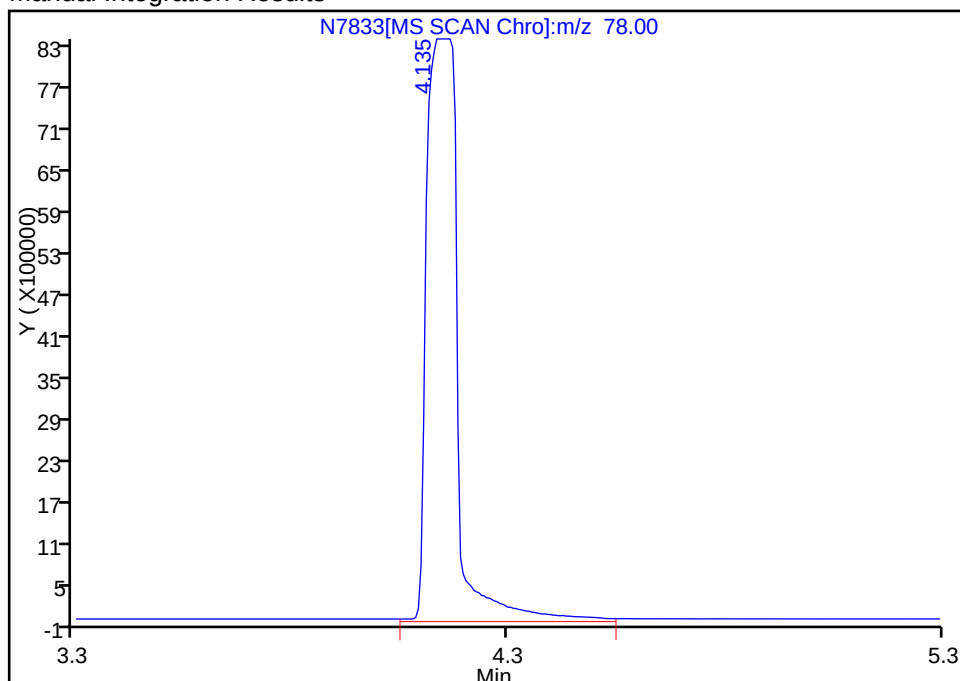
RT: 4.14
Response: 18356448
Amount: 393.2226

Processing Integration Results



RT: 4.14
Response: 41915147
Amount: 897.8853

Manual Integration Results



Reviewer: HillL, 21-May-2012 06:44:24
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
 SDG No.: _____
 Client Sample ID: MW8DR DL Lab Sample ID: 480-20186-1 DL
 Matrix: Water Lab File ID: T8482.D
 Analysis Method: 8260B Date Collected: 05/15/2012 15:10
 Sample wt/vol: 5(mL) Date Analyzed: 05/22/2012 01:32
 Soil Aliquot Vol: _____ Dilution Factor: 800
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 65398 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	34000		800	330
108-88-3	Toluene	ND		800	410
100-41-4	Ethylbenzene	1900		800	590
179601-23-1	m-Xylene & p-Xylene	750	J	1600	530
95-47-6	o-Xylene	ND		800	610
1330-20-7	Xylenes, Total	750	J	1600	530

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	85		66-137
2037-26-5	Toluene-d8 (Surr)	99		71-126
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20120521-12092.b\T8482.D
 Lims ID: 480-20186-E-1 Client ID: MW8DR
 Inject. Date: 22-May-2012 01:32:30 Dil. Factor: 800.0000
 Sample Type: Client
 Sample ID: 480-20186-E-1
 Misc. Info.: 480-0012092-008
 Operator: RAL Instrument ID: HP5975T
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 65398 Lims Sample ID: 8
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5975T\20120521-12092.b\T-8260.m
 Last Update: 22-May-2012 00:47:40 Calib Date: 16-Apr-2012 21:30:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5975T\20120416-11026.b\T7062.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: coderd

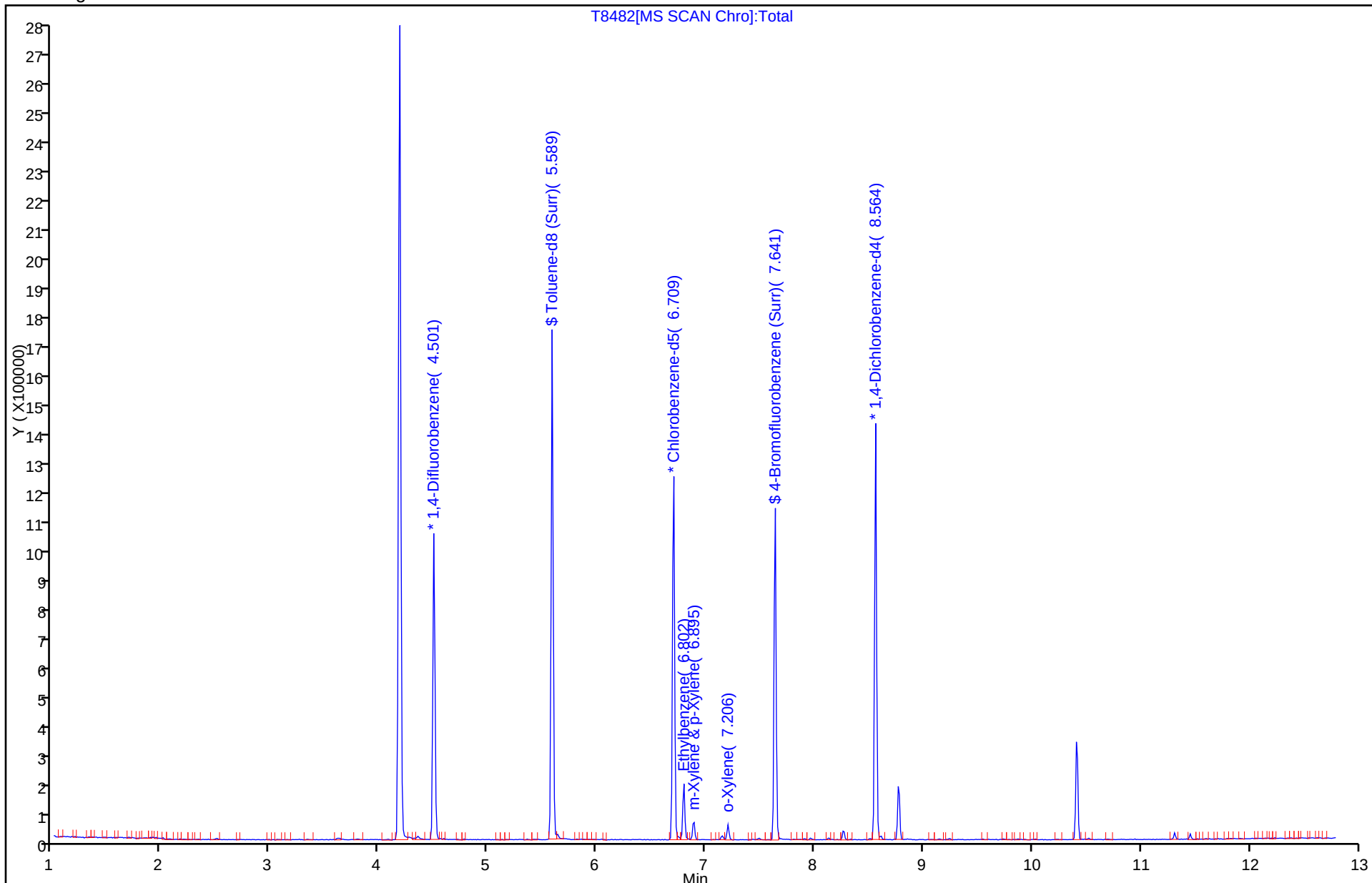
Date: 22-May-2012 09:36:00

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.501	4.501	0.0	94	643876	25.0	
* 2 Chlorobenzene-d5	117	6.709	6.709	0.0	82	581508	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.564	8.564	0.0	93	306324	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.190	4.190	0.0	0	246230	21.3	
\$ 6 Toluene-d8 (Surr)	98	5.589	5.589	0.0	92	854483	24.8	
\$ 7 4-Bromofluorobenzene (Surr)	174	7.641	7.641	0.0	96	268758	25.4	
55 Benzene	78	4.190	4.190	0.0	97	1542327	42.2	
73 Toluene	92		5.641					
88 Ethylbenzene	91	6.802	6.802	0.0	96	105522	2.37	
90 m-Xylene & p-Xylene	106	6.895	6.895	0.0	94	15995	0.9400	
91 o-Xylene	106	7.206	7.206	0.0	84	12310	0.7312	
S 125 Total BTEX	1				0		46.3	
S 126 Xylenes, Total	1				0		1.67	

Report Date: 22-May-2012 09:36:00
Data File: \\Bufchrom\ChromData\HP5975T\20120521-12092.b\T8482.D
Injection Date: 22-May-2012 01:32:30
Client ID: MW8DR
Lims Batch ID: 65398
Operator ID: RAL
Column Type: ZB-624

Chrom Revision: 2.0 20-Feb-2012 13:27:02
Limit Group: MV - 8260B ICAL
Instrument ID: HP5975T
Lims Sample ID: 8
Column Dia: 0.25 mm

Y Scaling:



Report Date: 22-May-2012 09:36:00

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5975T\20120521-12092.b\T8482.D

Injection Date: 22-May-2012 01:32:30

Limit Group: MV - 8260B ICAL

Client ID: MW8DR

Instrument ID: HP5975T

Lims Batch ID: 65398

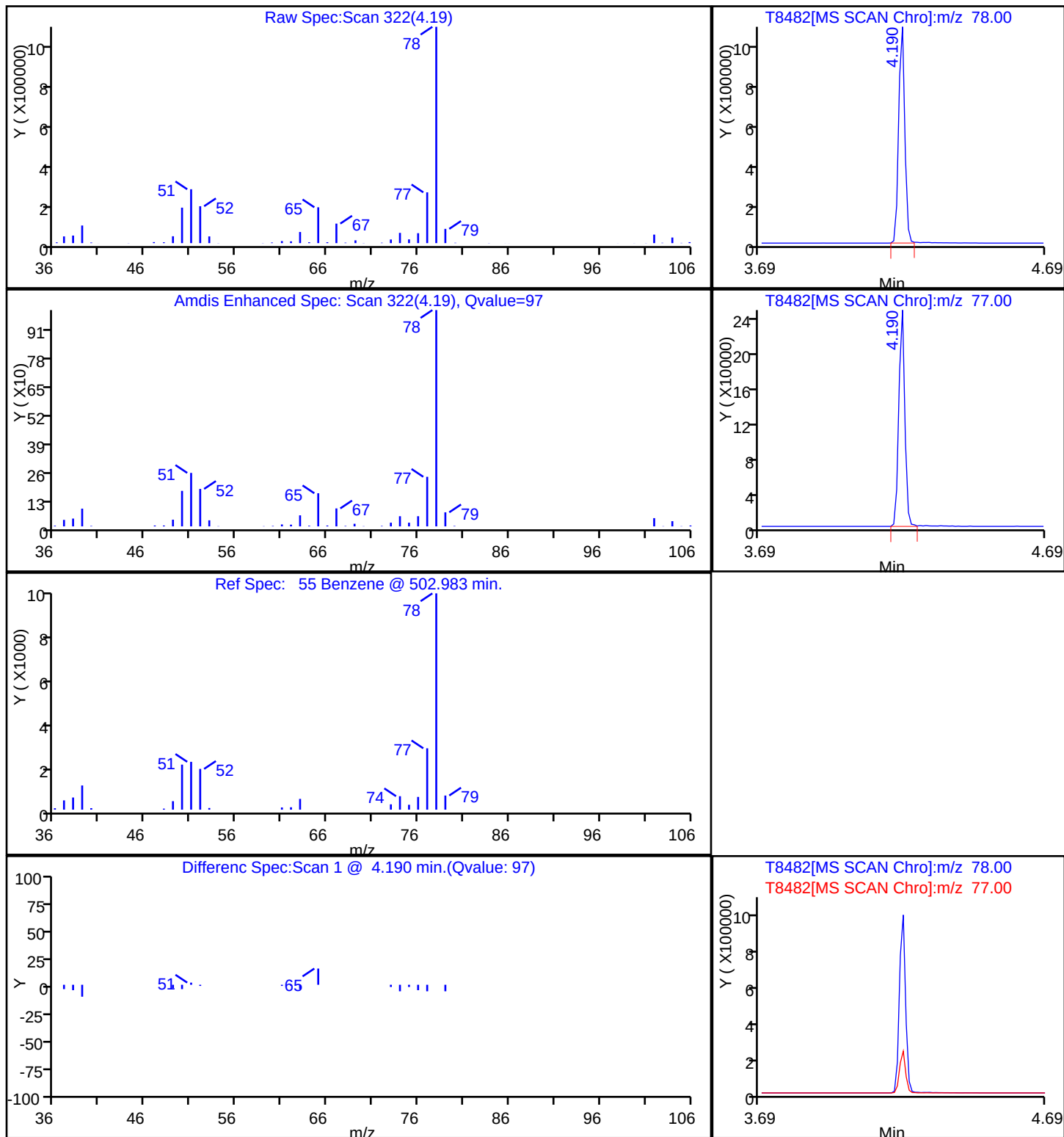
Lims Sample ID: 8

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

55 Benzene



Report Date: 22-May-2012 09:36:00

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5975T\20120521-12092.b\T8482.D

Injection Date: 22-May-2012 01:32:30

Limit Group: MV - 8260B ICAL

Client ID: MW8DR

Instrument ID: HP5975T

Lims Batch ID: 65398

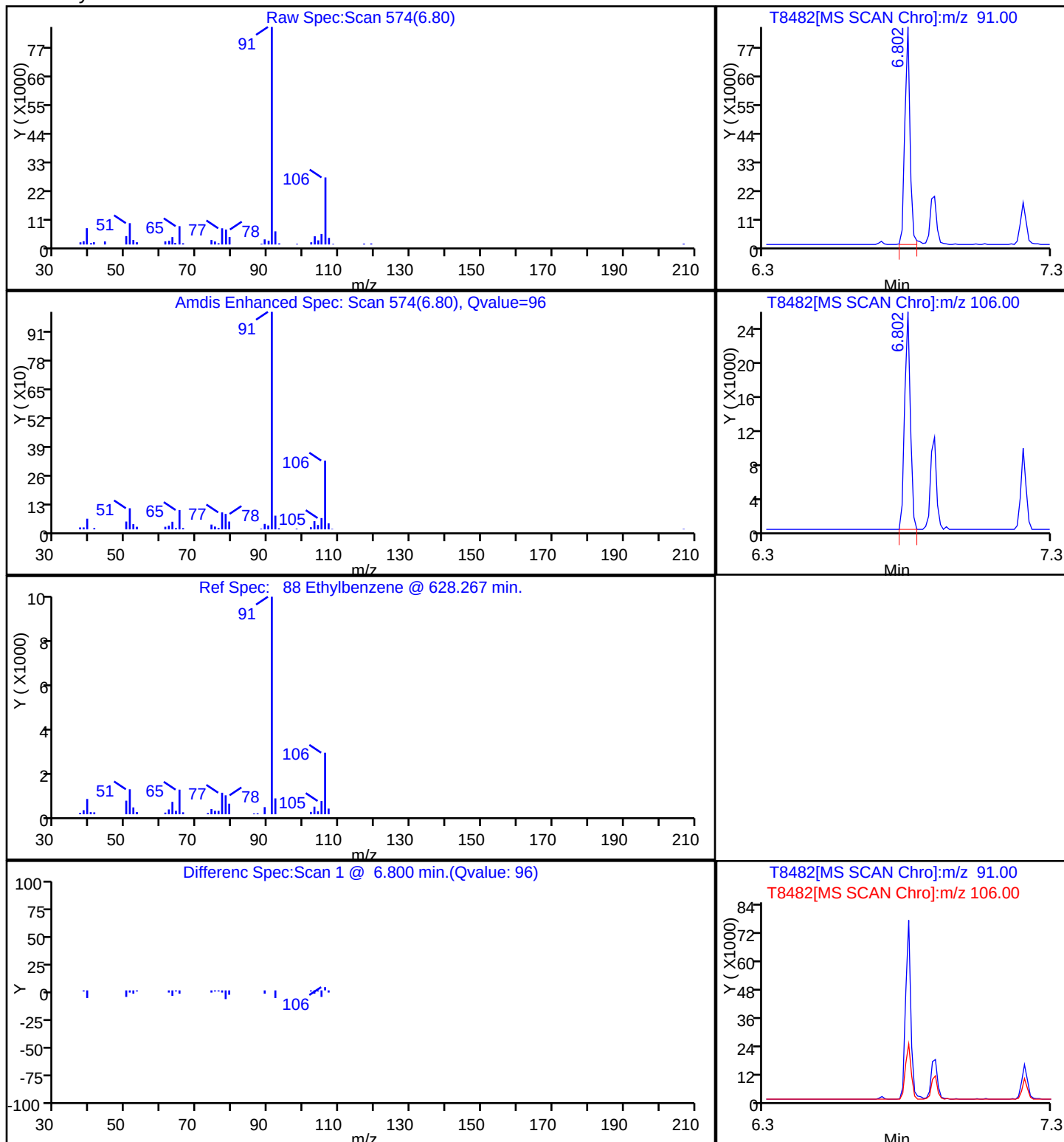
Lims Sample ID: 8

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

88 Ethylbenzene



Report Date: 22-May-2012 09:36:00

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5975T\20120521-12092.b\T8482.D

Injection Date: 22-May-2012 01:32:30

Limit Group: MV - 8260B ICAL

Client ID: MW8DR

Instrument ID: HP5975T

Lims Batch ID: 65398

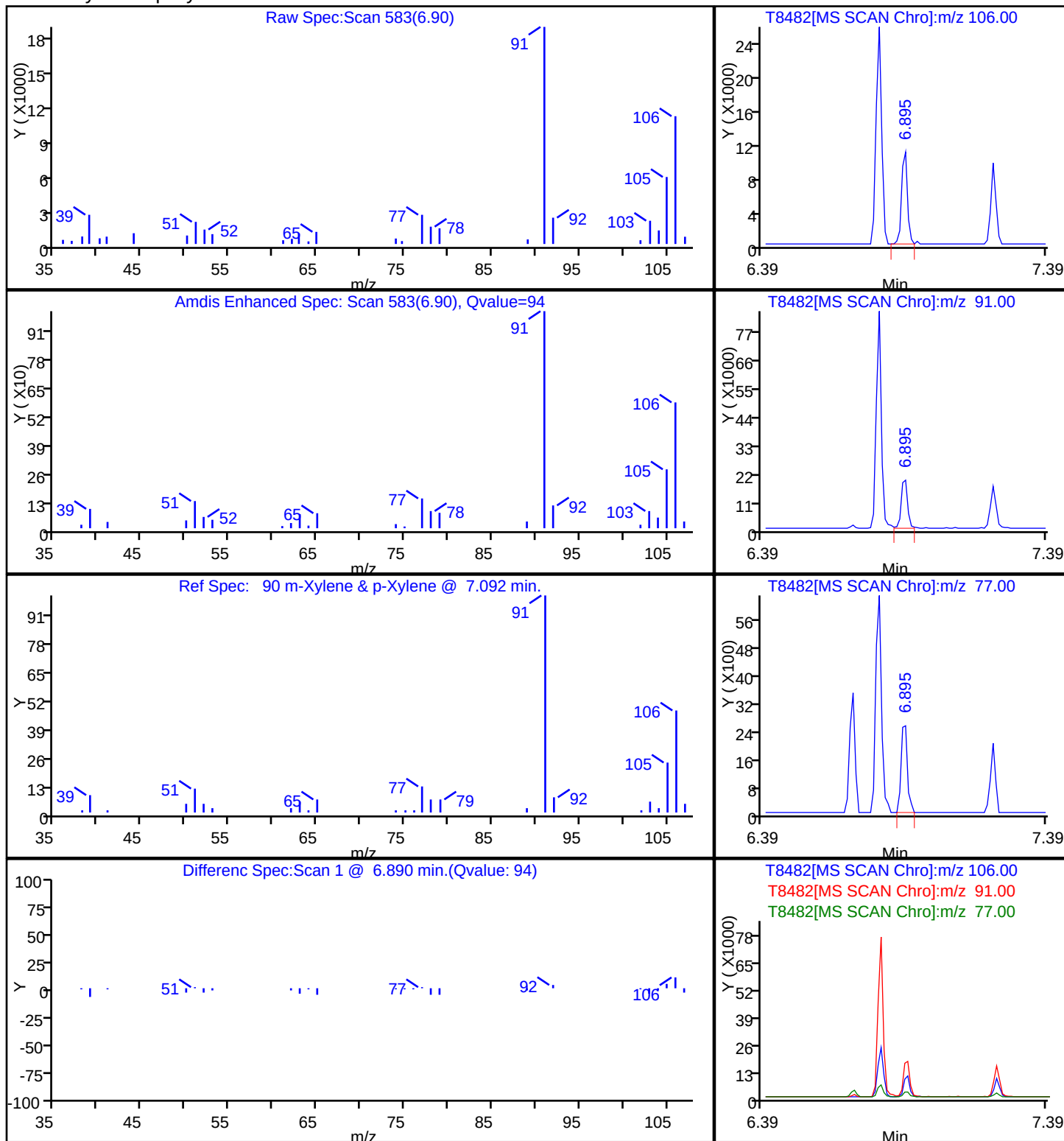
Lims Sample ID: 8

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

90 m-Xylene & p-Xylene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
 SDG No.: _____
 Client Sample ID: DW1R Lab Sample ID: 480-20186-2
 Matrix: Water Lab File ID: T8483.D
 Analysis Method: 8260B Date Collected: 05/15/2012 11:30
 Sample wt/vol: 5(mL) Date Analyzed: 05/22/2012 01:55
 Soil Aliquot Vol: _____ Dilution Factor: 800
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 65398 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	42000		800	330
108-88-3	Toluene	11000		800	410
100-41-4	Ethylbenzene	3100		800	590
179601-23-1	m-Xylene & p-Xylene	2600		1600	530
95-47-6	o-Xylene	1200		800	610
1330-20-7	Xylenes, Total	3800		1600	530

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		66-137
2037-26-5	Toluene-d8 (Surr)	103		71-126
460-00-4	4-Bromofluorobenzene (Surr)	106		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20120521-12092.b\T8483.D
 Lims ID: 480-20186-D-2 Client ID: DW1R
 Inject. Date: 22-May-2012 01:55:30 Dil. Factor: 800.0000
 Sample Type: Client
 Sample ID: 480-20186-D-2
 Misc. Info.: 480-0012092-009
 Operator: RAL Instrument ID: HP5975T
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 65398 Lims Sample ID: 9
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5975T\20120521-12092.b\T-8260.m
 Last Update: 22-May-2012 00:47:40 Calib Date: 16-Apr-2012 21:30:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5975T\20120416-11026.b\T7062.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: coderd

Date: 22-May-2012 09:36:12

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.501	4.501	0.0	94	628694	25.0	
* 2 Chlorobenzene-d5	117	6.709	6.709	0.0	83	560277	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.564	8.564	0.0	93	310564	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.190	4.190	0.0	0	249604	22.1	
\$ 6 Toluene-d8 (Surr)	98	5.589	5.589	0.0	92	852357	25.7	
\$ 7 4-Bromofluorobenzene (Surr)	174	7.641	7.641	0.0	94	271900	26.6	
55 Benzene	78	4.190	4.190	0.0	97	1893612	53.1	
73 Toluene	92	5.641	5.641	0.0	98	313228	14.1	
88 Ethylbenzene	91	6.802	6.802	0.0	98	165432	3.85	
90 m-Xylene & p-Xylene	106	6.895	6.895	0.0	98	52492	3.20	
91 o-Xylene	106	7.206	7.206	0.0	94	24955	1.54	
S 125 Total BTEX	1				0		75.8	
S 126 Xylenes, Total	1				0		4.74	

Report Date: 22-May-2012 09:36:12

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5975T\20120521-12092.b\T8483.D

Injection Date: 22-May-2012 01:55:30

Limit Group: MV - 8260B ICAL

Client ID: DW1R

Instrument ID: HP5975T

Lims Batch ID: 65398

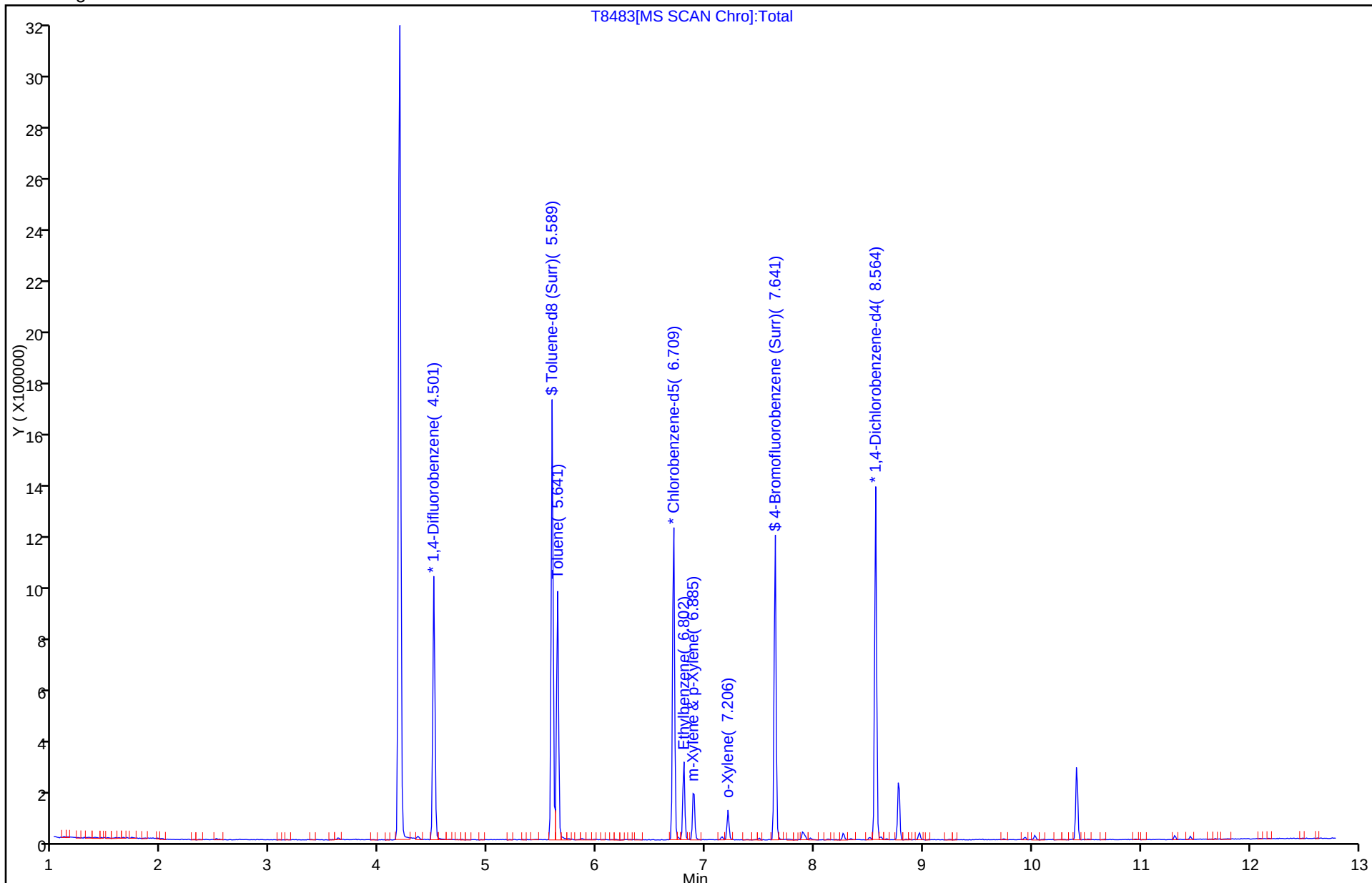
Lims Sample ID: 9

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 22-May-2012 09:36:12

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5975T\20120521-12092.b\T8483.D

Injection Date: 22-May-2012 01:55:30

Limit Group: MV - 8260B ICAL

Client ID: DW1R

Instrument ID: HP5975T

Lims Batch ID: 65398

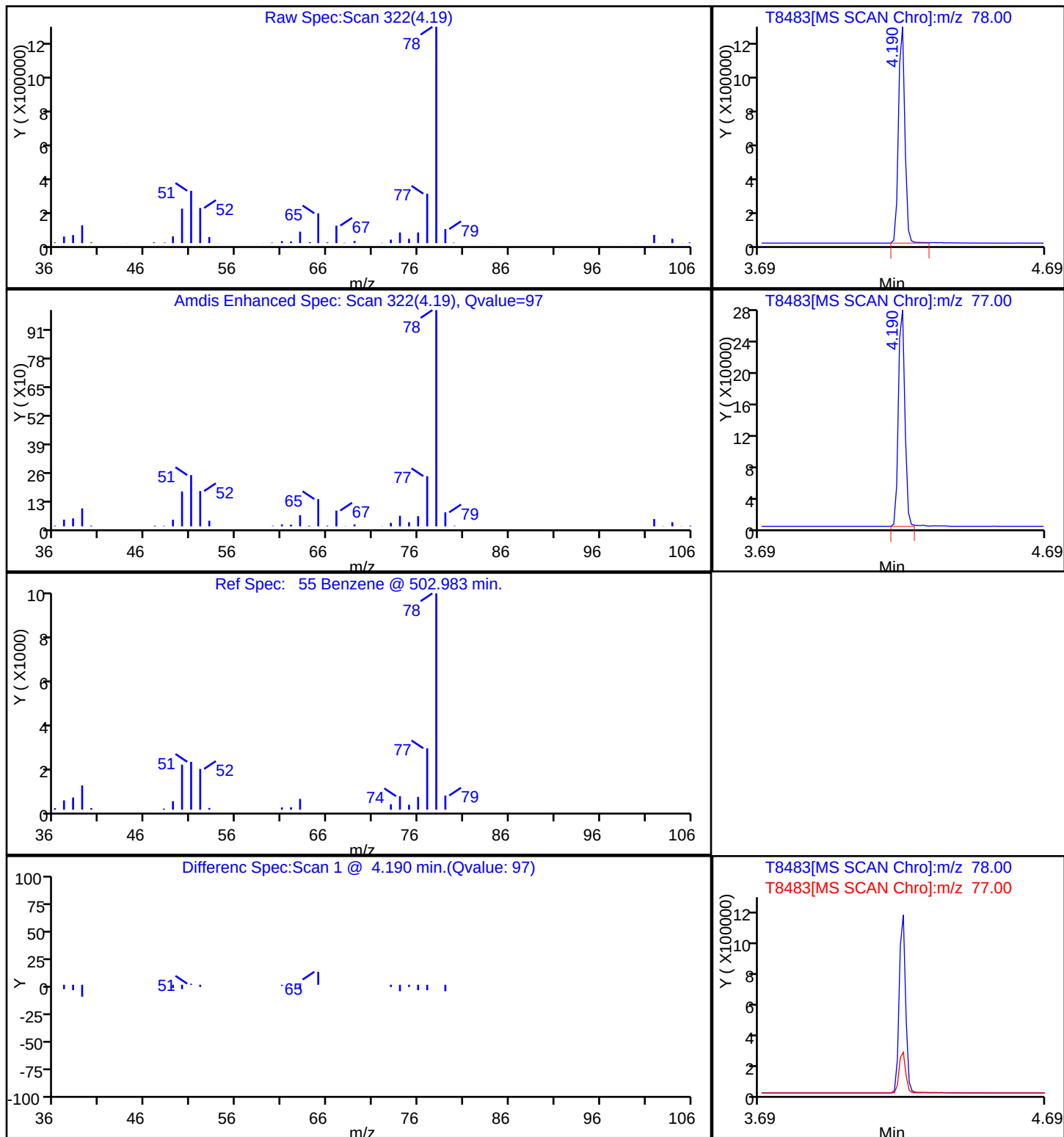
Lims Sample ID: 9

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

55 Benzene



Report Date: 22-May-2012 09:36:12

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5975T\20120521-12092.b\T8483.D

Injection Date: 22-May-2012 01:55:30

Limit Group: MV - 8260B ICAL

Client ID: DW1R

Instrument ID: HP5975T

Lims Batch ID: 65398

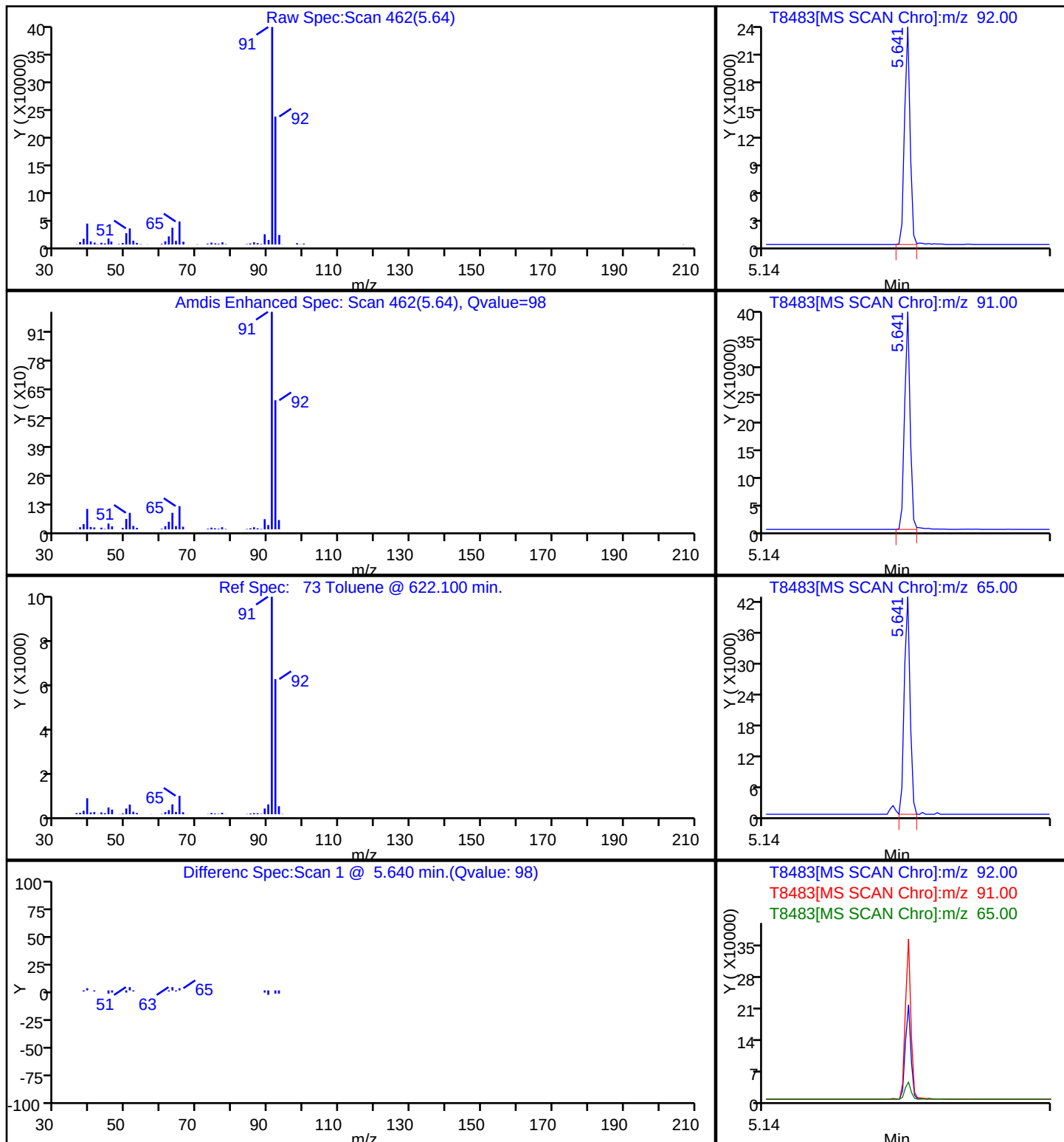
Lims Sample ID: 9

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

73 Toluene



Report Date: 22-May-2012 09:36:12

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5975T\20120521-12092.b\T8483.D

Injection Date: 22-May-2012 01:55:30

Limit Group: MV - 8260B ICAL

Client ID: DW1R

Instrument ID: HP5975T

Lims Batch ID: 65398

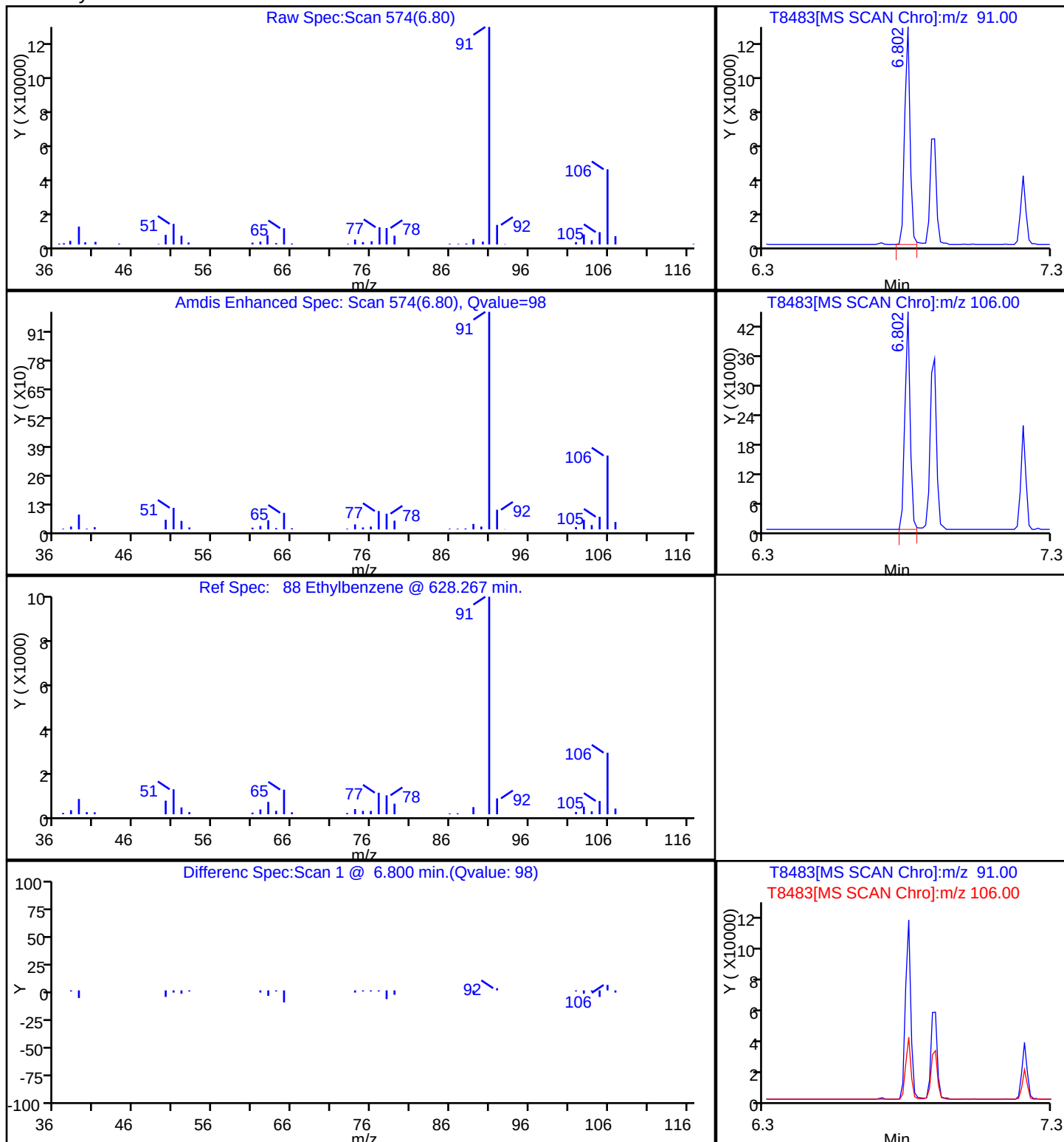
Lims Sample ID: 9

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

88 Ethylbenzene



Report Date: 22-May-2012 09:36:12

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5975T\20120521-12092.b\T8483.D

Injection Date: 22-May-2012 01:55:30

Limit Group: MV - 8260B ICAL

Client ID: DW1R

Instrument ID: HP5975T

Lims Batch ID: 65398

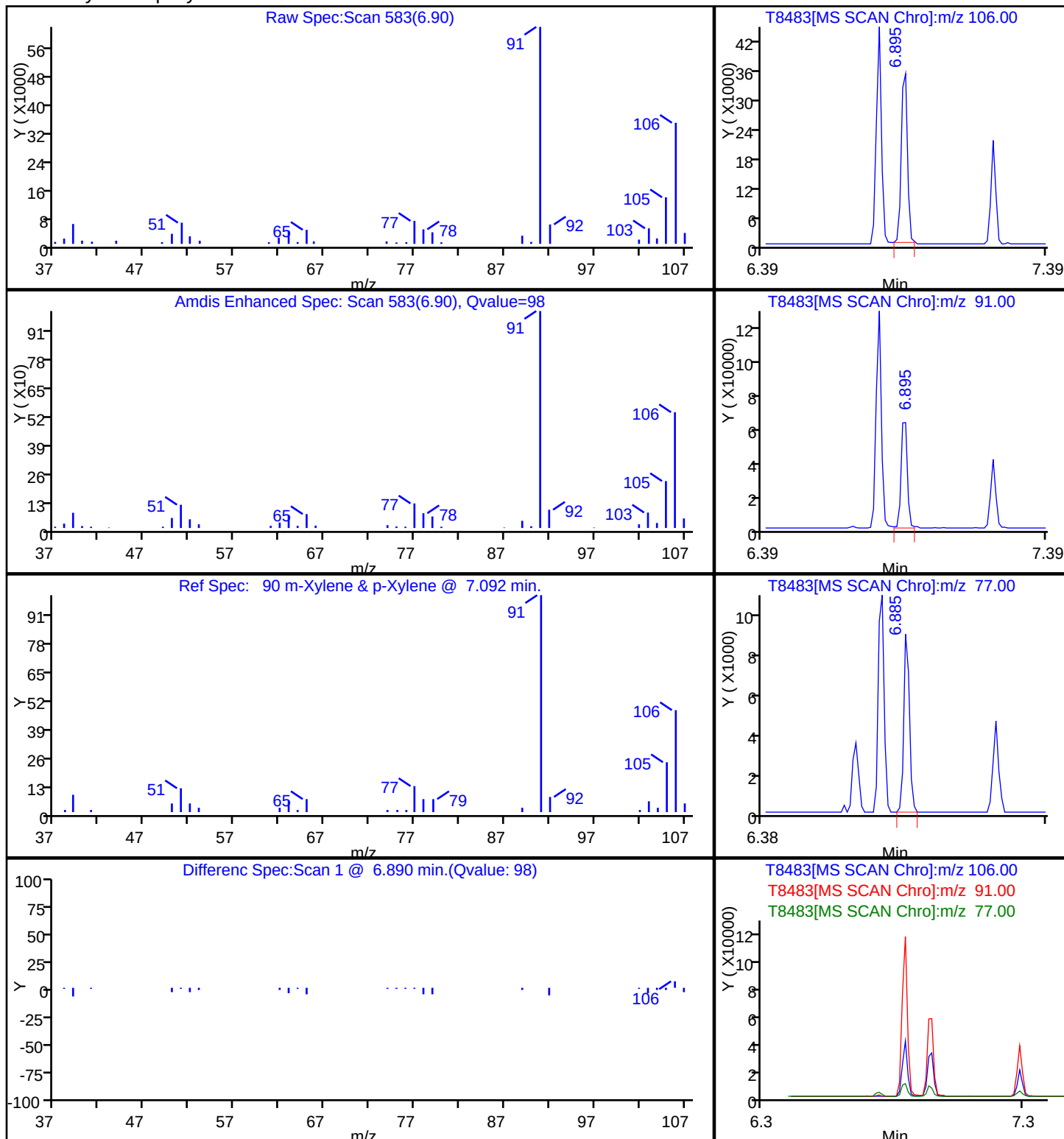
Lims Sample ID: 9

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

90 m-Xylene & p-Xylene



Report Date: 22-May-2012 09:36:12

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5975T\20120521-12092.b\T8483.D

Injection Date: 22-May-2012 01:55:30

Limit Group: MV - 8260B ICAL

Client ID: DW1R

Instrument ID: HP5975T

Lims Batch ID: 65398

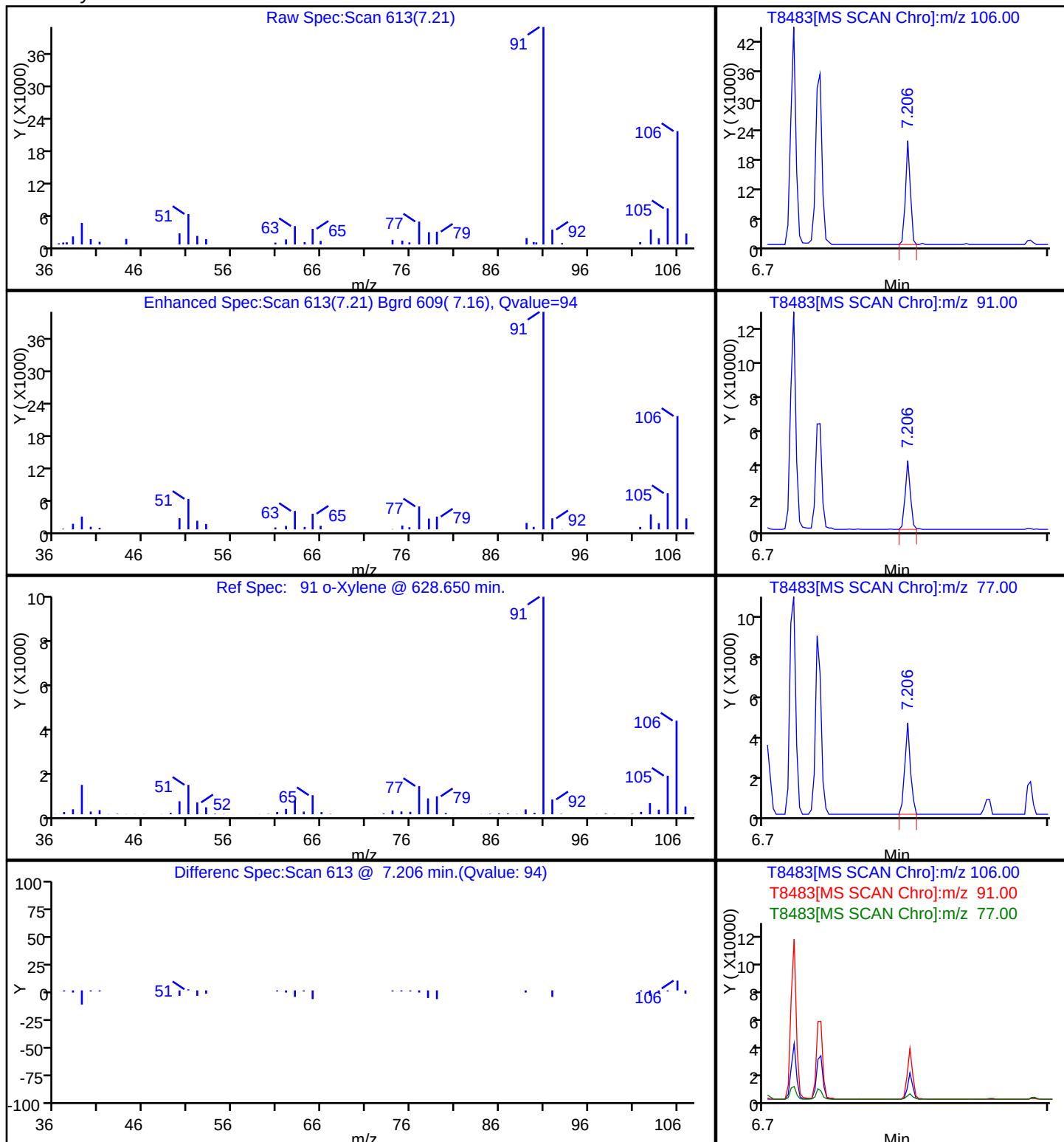
Lims Sample ID: 9

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

91 o-Xylene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
 SDG No.: _____
 Client Sample ID: MW3DR Lab Sample ID: 480-20186-3
 Matrix: Water Lab File ID: N7835.D
 Analysis Method: 8260B Date Collected: 05/15/2012 11:05
 Sample wt/vol: 5(mL) Date Analyzed: 05/19/2012 12:43
 Soil Aliquot Vol: _____ Dilution Factor: 5
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 65164 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	<i>Benzene</i>	780	E	5.0	2.1
108-88-3	Toluene	100		5.0	2.6
100-41-4	<i>Ethylbenzene</i>	760	E	5.0	3.7
179601-23-1	m-Xylene & p-Xylene	140		10	3.3
95-47-6	o-Xylene	130		5.0	3.8
1330-20-7	Xylenes, Total	270		10	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		66-137
2037-26-5	Toluene-d8 (Surr)	114		71-126
460-00-4	4-Bromofluorobenzene (Surr)	114		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20120519-12045.b\N7835.D
 Lims ID: 480-20186-F-3 Client ID: MW3DR
 Inject. Date: 19-May-2012 12:43:30 Dil. Factor: 5.0000
 Sample Type: Client
 Sample ID: 480-20186-F-3
 Misc. Info.: 480-0012045-008
 Operator: LH Instrument ID: HP5973N
 Vol. Injected: 1.0000 ALS Bottle#: 52
 Lims Batch ID: 65164 Lims Sample ID: 8
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20120519-12045.b\N-8260.m
 Last Update: 19-May-2012 11:42:19 Calib Date: 09-May-2012 04:33:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20120508-11730.b\N7451.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: HillL

Date: 21-May-2012 06:44:56

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.519	4.518	0.0	95	817902	25.0	
* 2 Chlorobenzene-d5	117	7.311	7.311	0.0	94	665282	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.781	9.781	0.0	95	341380	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.129	4.129	0.0	94	372655	28.7	
\$ 6 Toluene-d8 (Surr)	98	5.869	5.869	0.0	86	956927	28.4	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.558	8.558	0.0	83	266494	28.6	
55 Benzene	78	4.129	4.129	0.0	96	6652334	156.6	E
73 Toluene	92	5.930	5.930	0.0	90	491669	20.1	
88 Ethylbenzene	91	7.451	7.445	0.006	98	6884365	152.0	E
90 m-Xylene & p-Xylene	106	7.572	7.572	0.0	98	483234	27.1	
91 o-Xylene	106	7.986	7.986	0.0	98	435655	25.0	
S 125 Total BTEX	1				0		380.8	
S 126 Xylenes, Total	1				0		52.1	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Report Date: 21-May-2012 06:44:56

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973N\20120519-12045.b\N7835.D

Injection Date: 19-May-2012 12:43:30

Limit Group: MV - 8260B ICAL

Client ID: MW3DR

Instrument ID: HP5973N

Lims Batch ID: 65164

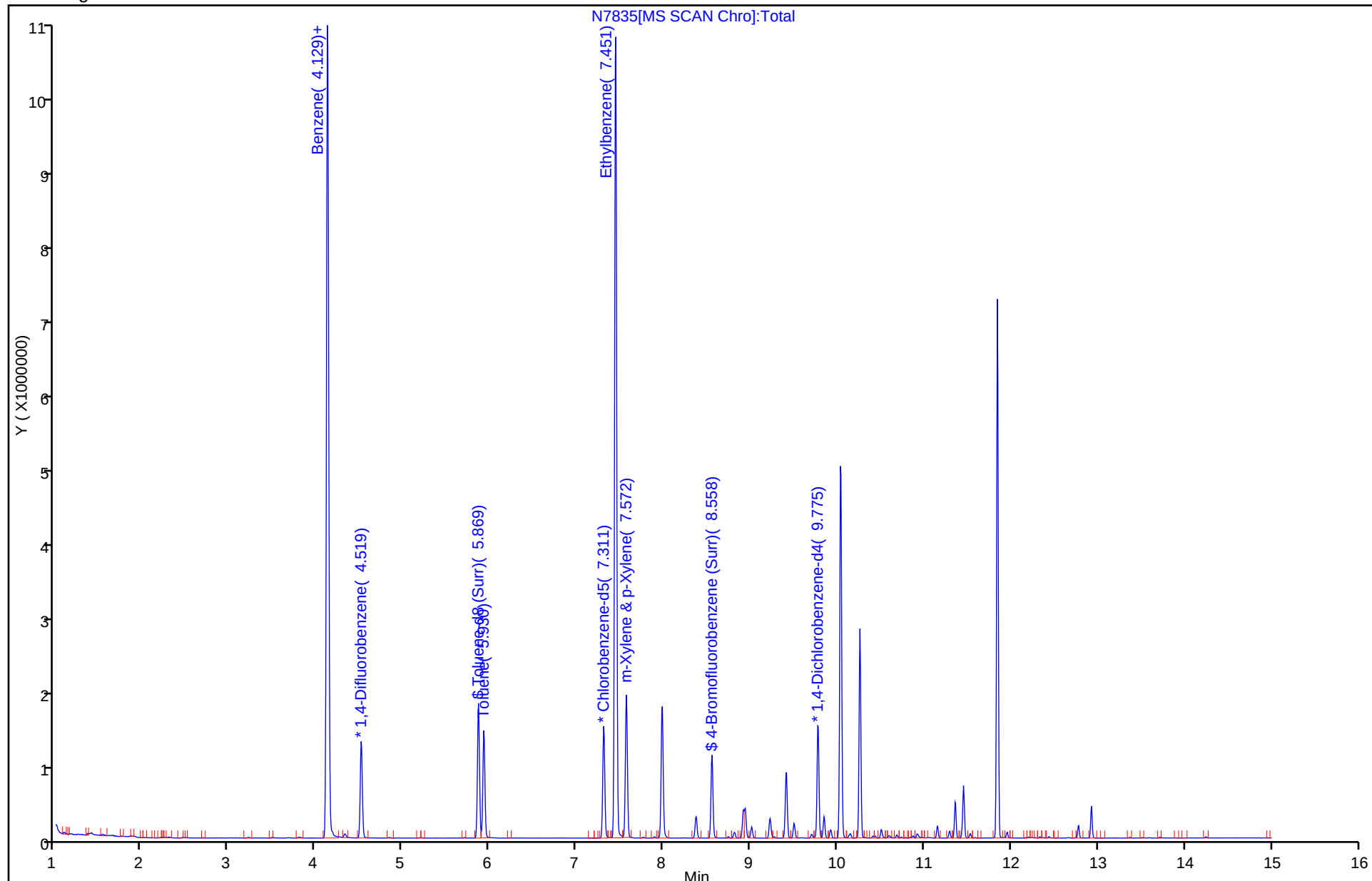
Lims Sample ID: 8

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 21-May-2012 06:44:56

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973N\20120519-12045.b\N7835.D

Injection Date: 19-May-2012 12:43:30

Limit Group: MV - 8260B ICAL

Client ID: MW3DR

Instrument ID: HP5973N

Lims Batch ID: 65164

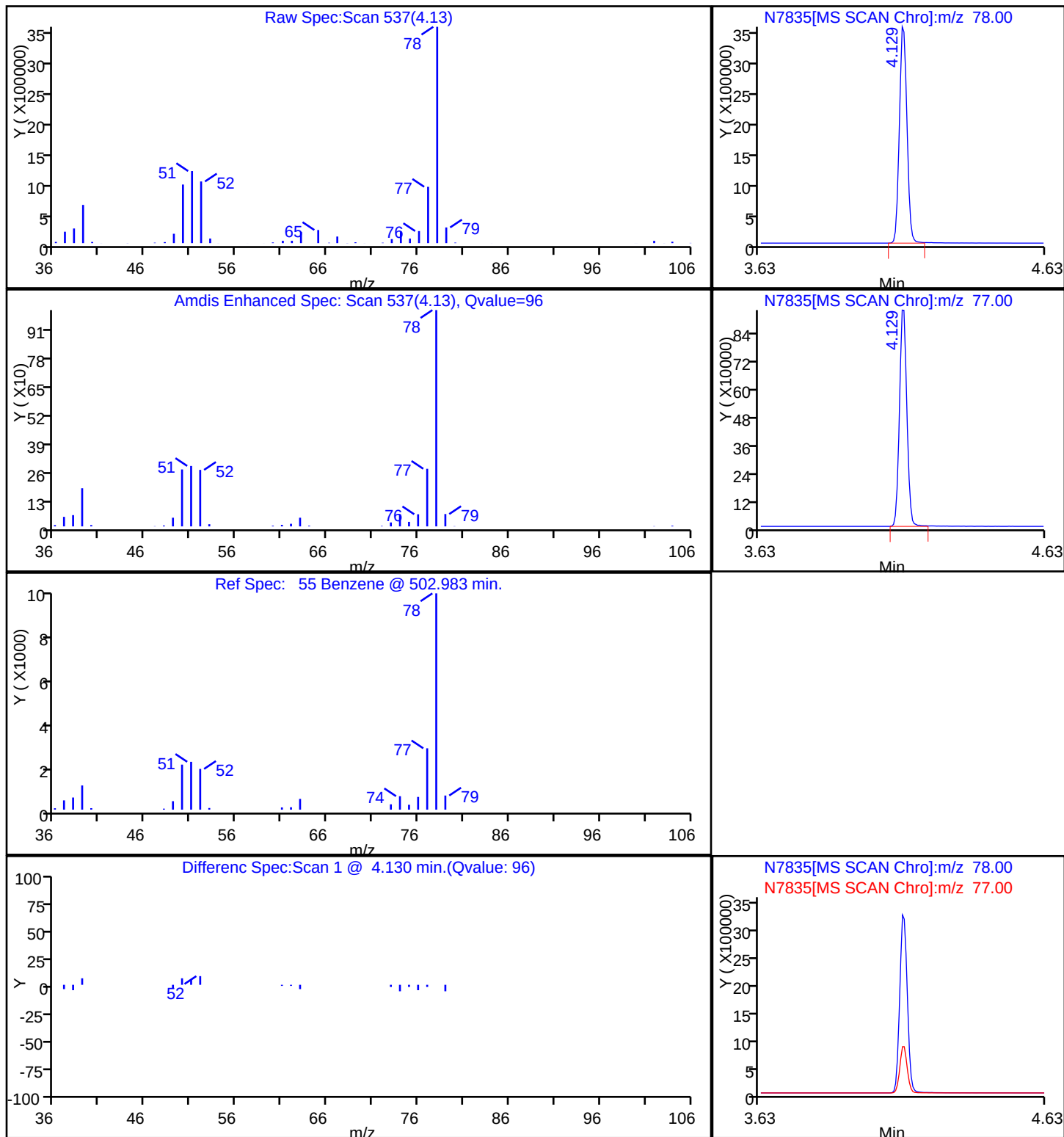
Lims Sample ID: 8

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

55 Benzene



Report Date: 21-May-2012 06:44:56

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973N\20120519-12045.b\N7835.D

Injection Date: 19-May-2012 12:43:30

Limit Group: MV - 8260B ICAL

Client ID: MW3DR

Instrument ID: HP5973N

Lims Batch ID: 65164

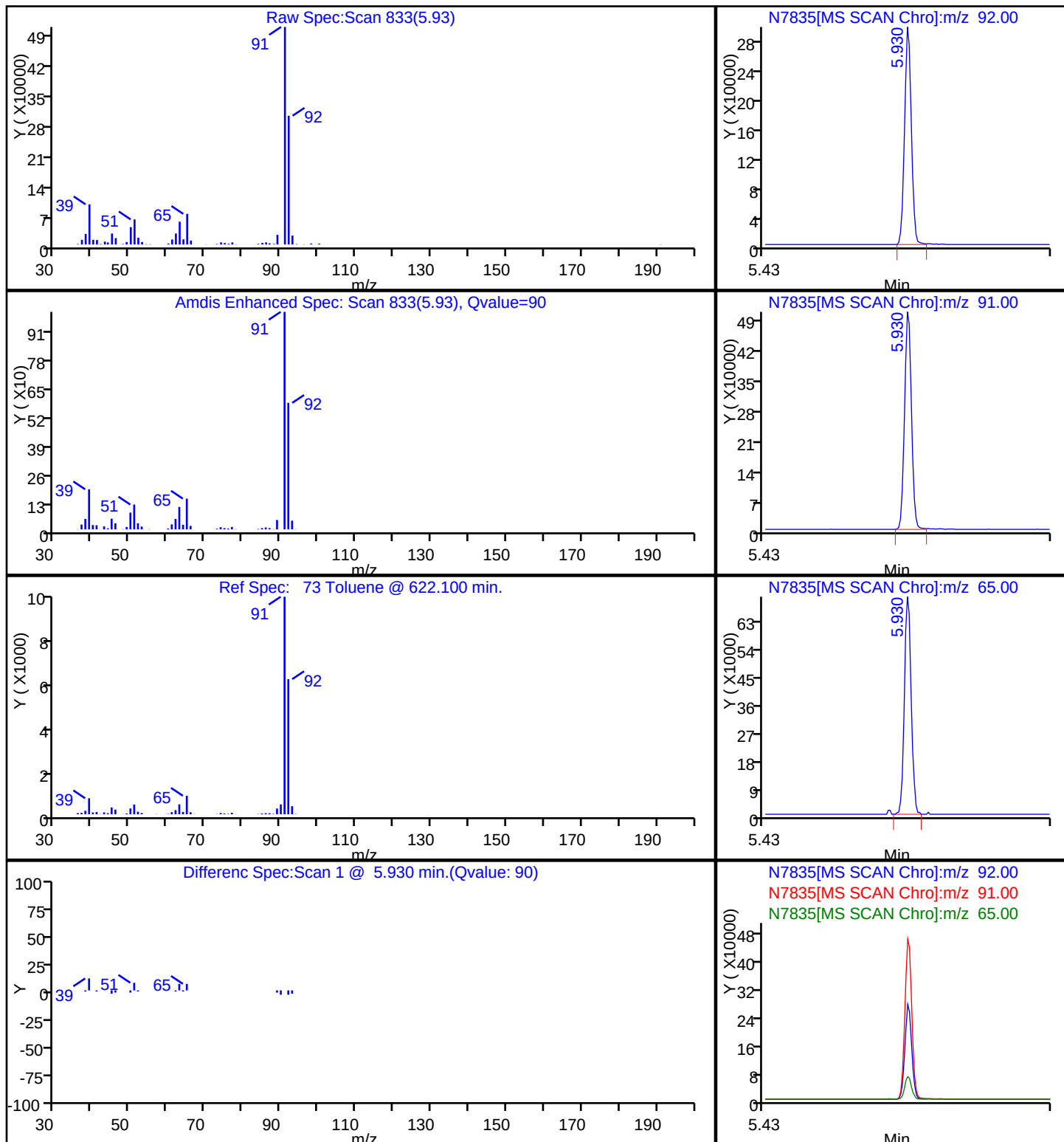
Lims Sample ID: 8

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

73 Toluene



Report Date: 21-May-2012 06:44:56

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

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Injection Date: 19-May-2012 12:43:30

Limit Group: MV - 8260B ICAL

Client ID: MW3DR

Instrument ID: HP5973N

Lims Batch ID: 65164

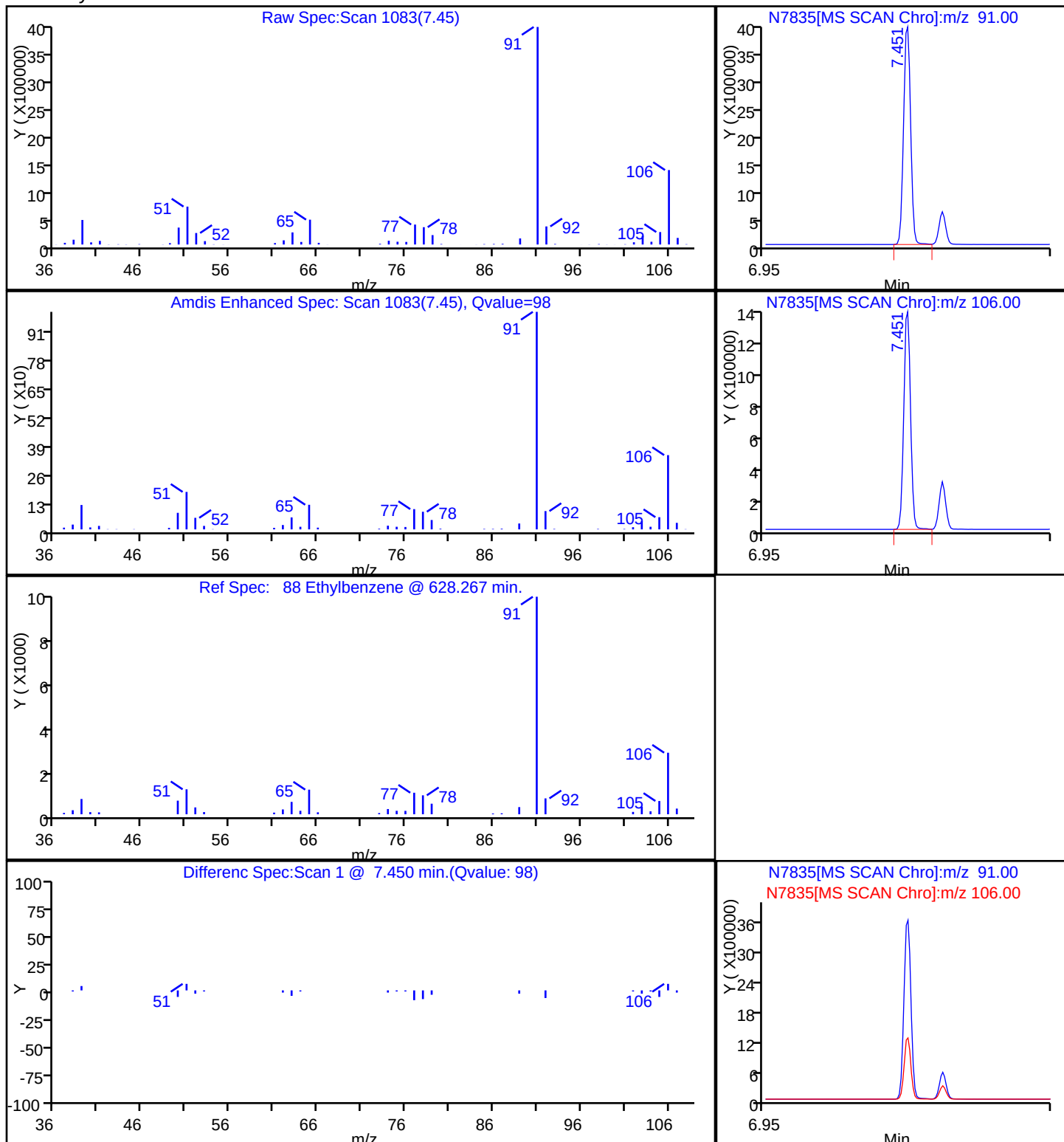
Lims Sample ID: 8

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

88 Ethylbenzene



Report Date: 21-May-2012 06:44:56

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973N\20120519-12045.b\N7835.D

Injection Date: 19-May-2012 12:43:30

Limit Group: MV - 8260B ICAL

Client ID: MW3DR

Instrument ID: HP5973N

Lims Batch ID: 65164

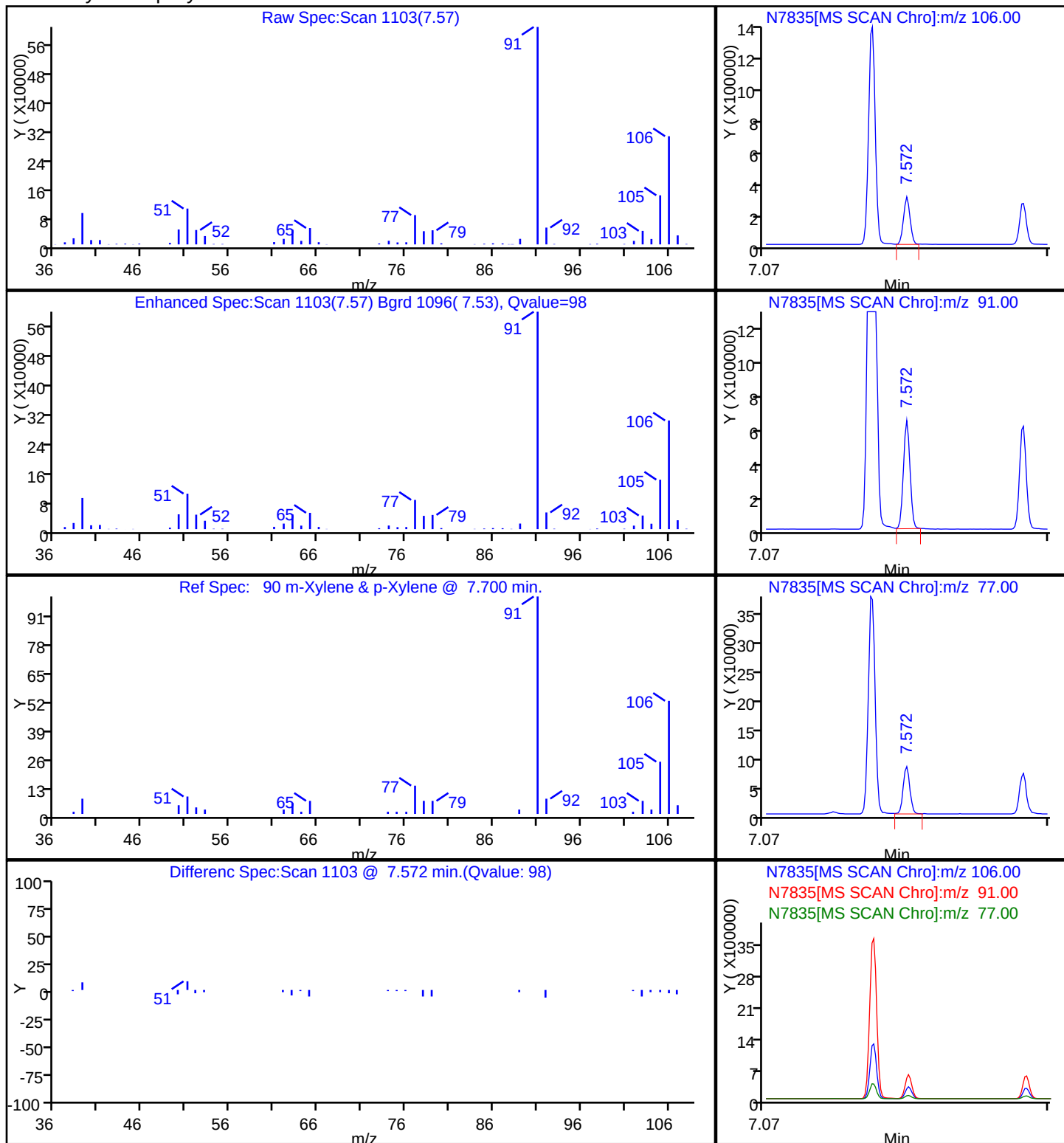
Lims Sample ID: 8

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

90 m-Xylene & p-Xylene



Report Date: 21-May-2012 06:44:56

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973N\20120519-12045.b\N7835.D

Injection Date: 19-May-2012 12:43:30

Limit Group: MV - 8260B ICAL

Client ID: MW3DR

Instrument ID: HP5973N

Lims Batch ID: 65164

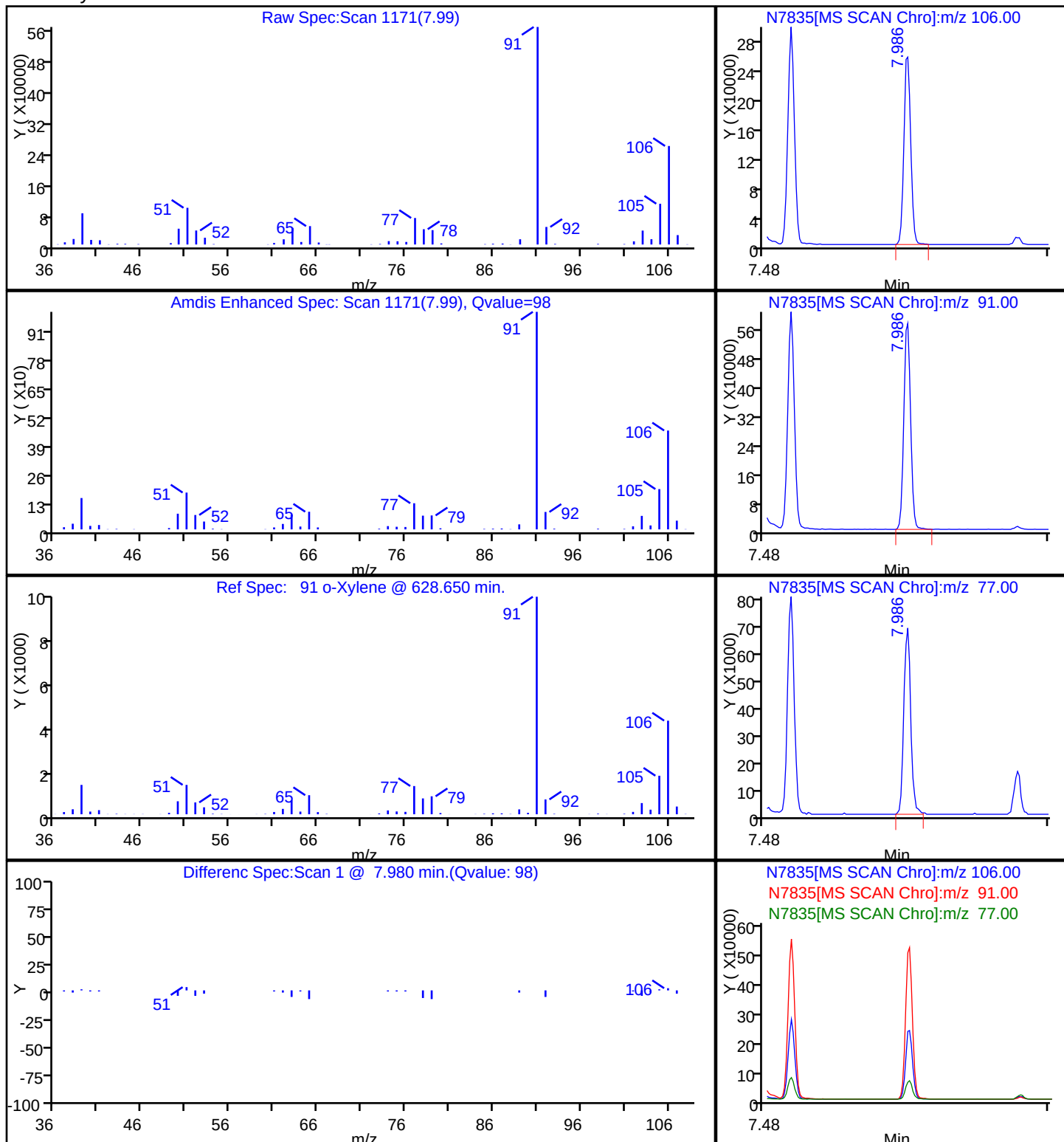
Lims Sample ID: 8

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

91 o-Xylene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
 SDG No.: _____
 Client Sample ID: MW3DR DL Lab Sample ID: 480-20186-3 DL
 Matrix: Water Lab File ID: T8450.D
 Analysis Method: 8260B Date Collected: 05/15/2012 11:05
 Sample wt/vol: 5(mL) Date Analyzed: 05/21/2012 13:21
 Soil Aliquot Vol: _____ Dilution Factor: 20
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 65291 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	910		20	8.2
108-88-3	Toluene	110		20	10
100-41-4	Ethylbenzene	910		20	15
179601-23-1	<i>m</i> -Xylene & <i>p</i> -Xylene	160		40	13
95-47-6	<i>o</i> -Xylene	140		20	15
1330-20-7	Xylenes, Total	300		40	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		66-137
2037-26-5	Toluene-d8 (Surr)	110		71-126
460-00-4	4-Bromofluorobenzene (Surr)	111		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20120521-12080.b\T8450.D
 Lims ID: 480-20186-E-3 Client ID: MW3DR
 Inject. Date: 21-May-2012 13:21:30 Dil. Factor: 20.0000
 Sample Type: Client
 Sample ID: 480-20186-E-3
 Misc. Info.: 480-0012080-008
 Operator: LH Instrument ID: HP5975T
 Vol. Injected: 1.0000 ALS Bottle#: 69
 Lims Batch ID: 65291 Lims Sample ID: 8
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5975T\20120521-12080.b\T-8260.m
 Last Update: 21-May-2012 12:17:48 Calib Date: 16-Apr-2012 21:30:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5975T\20120416-11026.b\T7062.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: larsonr

Date: 21-May-2012 17:19:52

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.501	4.501	0.0	95	591454	25.0	
* 2 Chlorobenzene-d5	117	6.709	6.709	0.0	83	541562	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.564	8.564	0.0	93	302178	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.190	4.191	-0.001	0	253790	23.9	
\$ 6 Toluene-d8 (Surr)	98	5.589	5.590	-0.001	92	878416	27.4	
\$ 7 4-Bromofluorobenzene (Surr)	174	7.641	7.641	0.0	95	273746	27.7	
55 Benzene	78	4.190	4.190	0.0	97	1523630	45.4	
73 Toluene	92	5.641	5.641	0.0	99	118846	5.53	
88 Ethylbenzene	91	6.802	6.802	0.0	98	1877251	45.3	
90 m-Xylene & p-Xylene	106	6.895	6.895	0.0	99	126590	7.99	
91 o-Xylene	106	7.206	7.206	0.0	97	110755	7.06	
S 125 Total BTEX	1				0		111.3	
S 126 Xylenes, Total	1				0		15.1	

Report Date: 21-May-2012 17:19:52

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5975T\20120521-12080.b\T8450.D

Injection Date: 21-May-2012 13:21:30

Limit Group: MV - 8260B ICAL

Client ID: MW3DR

Instrument ID: HP5975T

Lims Batch ID: 65291

Lims Sample ID: 8

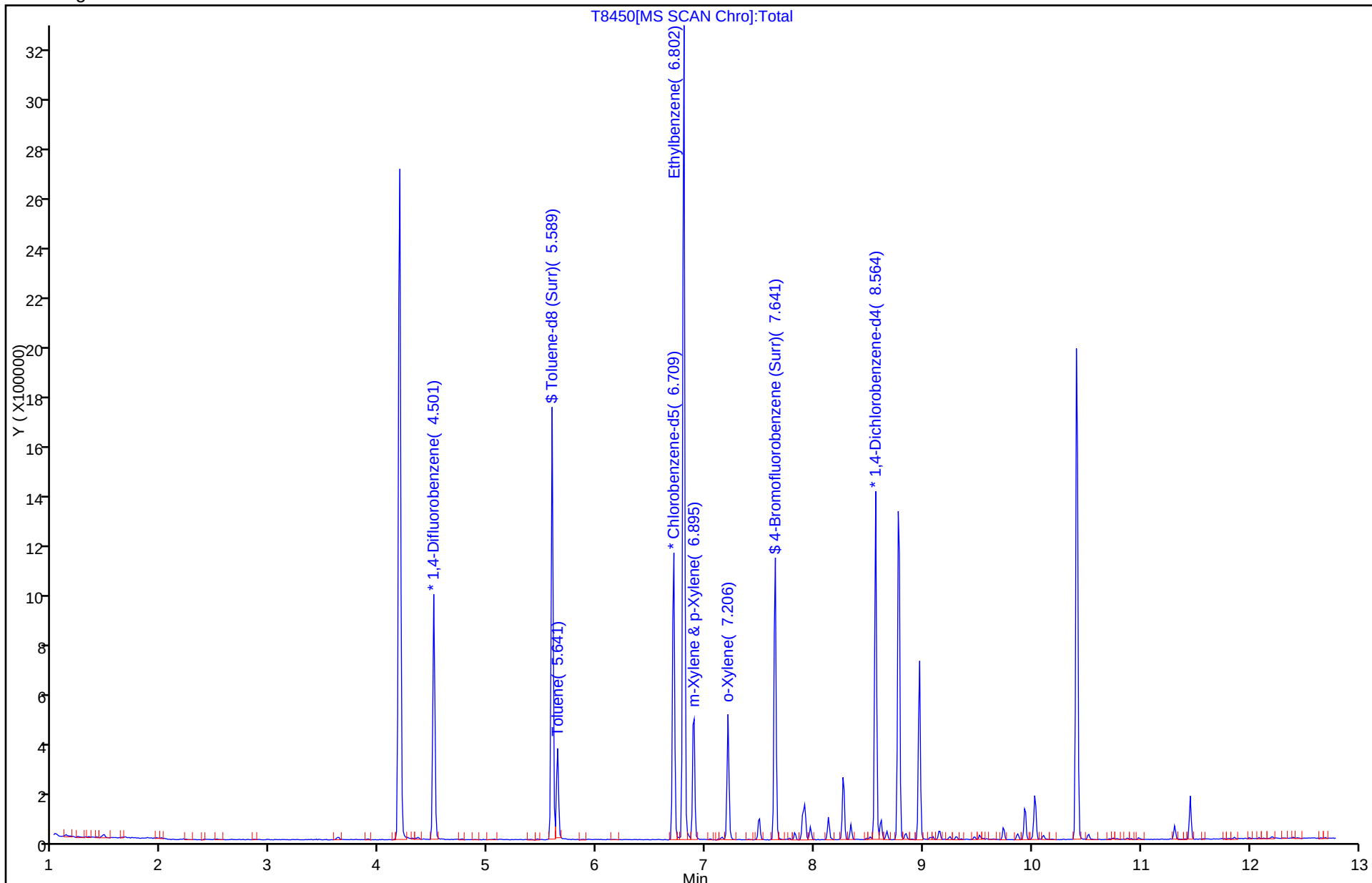
Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:

T8450[MS SCAN Chro]:Total



Report Date: 21-May-2012 17:19:52

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5975T\20120521-12080.b\T8450.D

Injection Date: 21-May-2012 13:21:30

Limit Group: MV - 8260B ICAL

Client ID: MW3DR

Instrument ID: HP5975T

Lims Batch ID: 65291

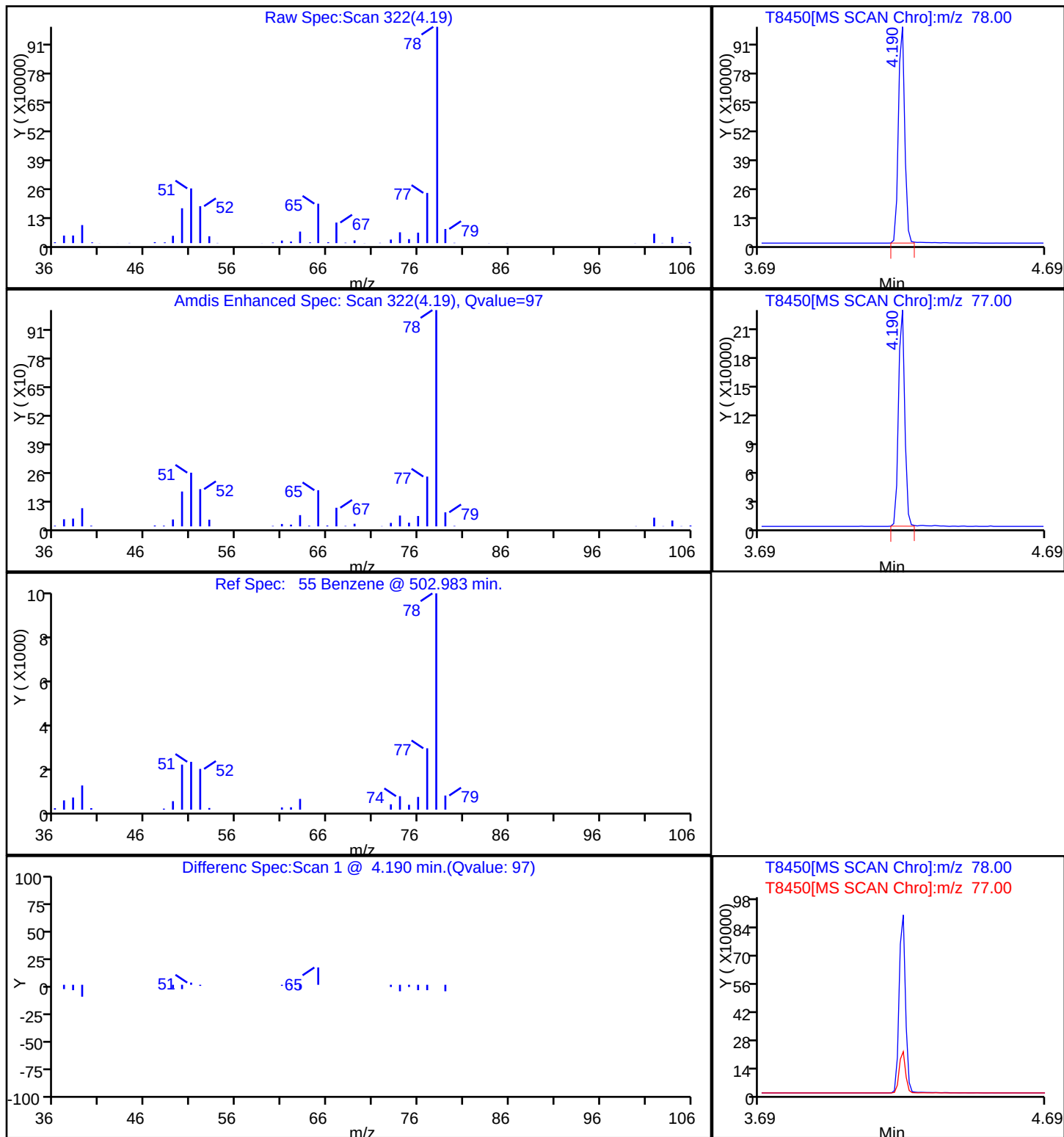
Lims Sample ID: 8

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

55 Benzene



Report Date: 21-May-2012 17:19:52

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5975T\20120521-12080.b\T8450.D

Injection Date: 21-May-2012 13:21:30

Limit Group: MV - 8260B ICAL

Client ID: MW3DR

Instrument ID: HP5975T

Lims Batch ID: 65291

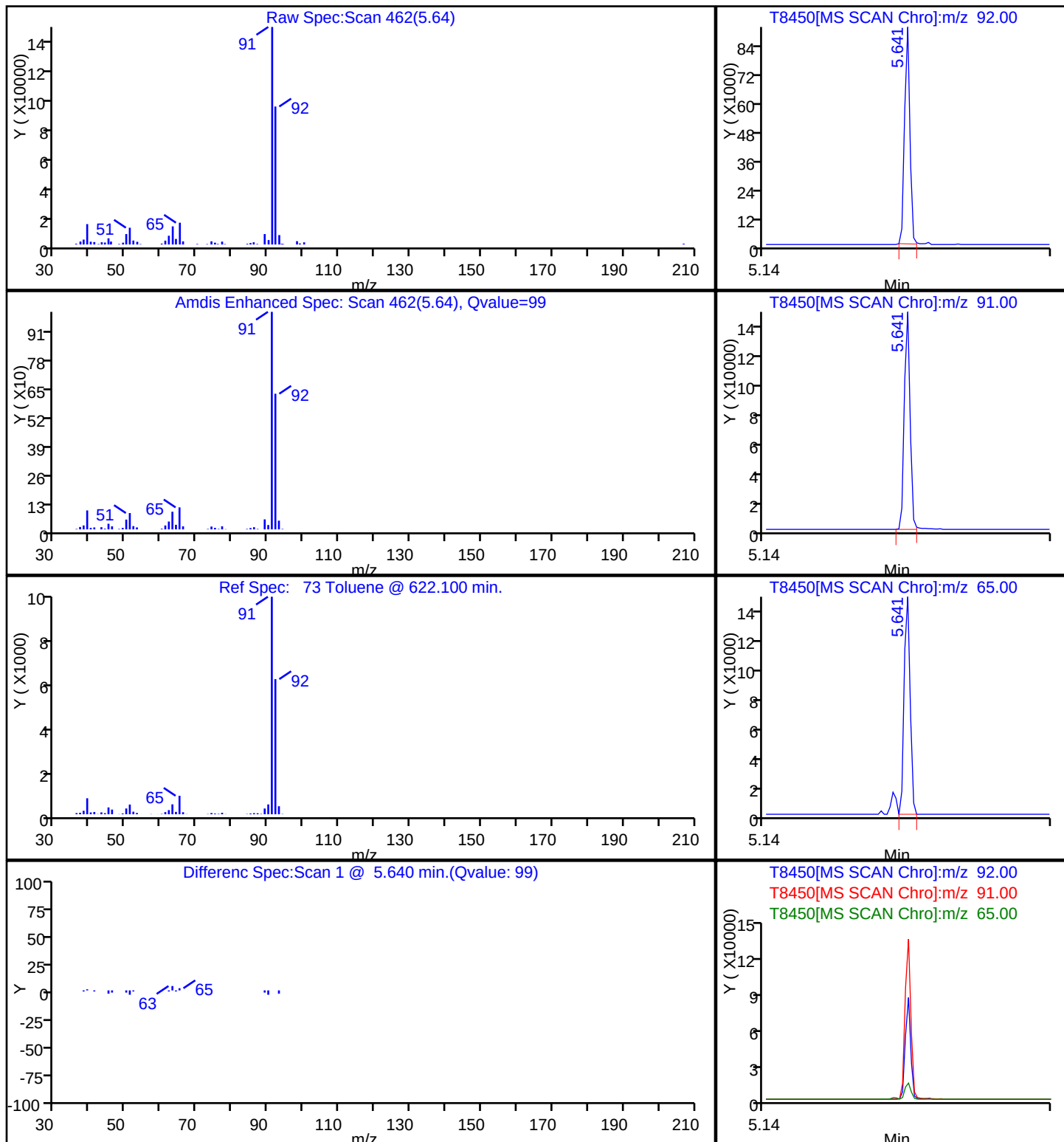
Lims Sample ID: 8

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

73 Toluene



Report Date: 21-May-2012 17:19:52

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5975T\20120521-12080.b\T8450.D

Injection Date: 21-May-2012 13:21:30

Limit Group: MV - 8260B ICAL

Client ID: MW3DR

Instrument ID: HP5975T

Lims Batch ID: 65291

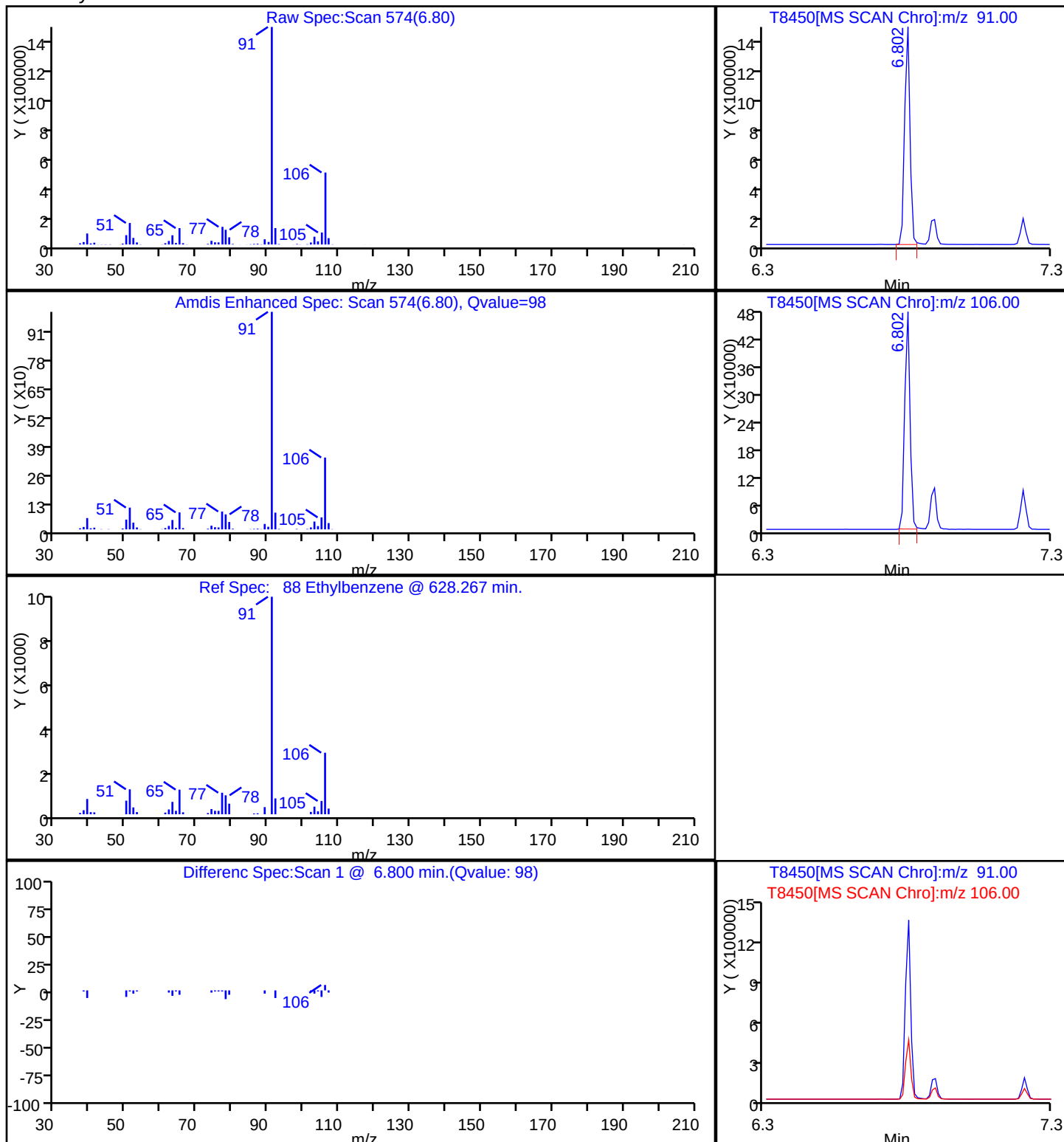
Lims Sample ID: 8

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

88 Ethylbenzene



Report Date: 21-May-2012 17:19:52

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5975T\20120521-12080.b\T8450.D

Injection Date: 21-May-2012 13:21:30

Limit Group: MV - 8260B ICAL

Client ID: MW3DR

Instrument ID: HP5975T

Lims Batch ID: 65291

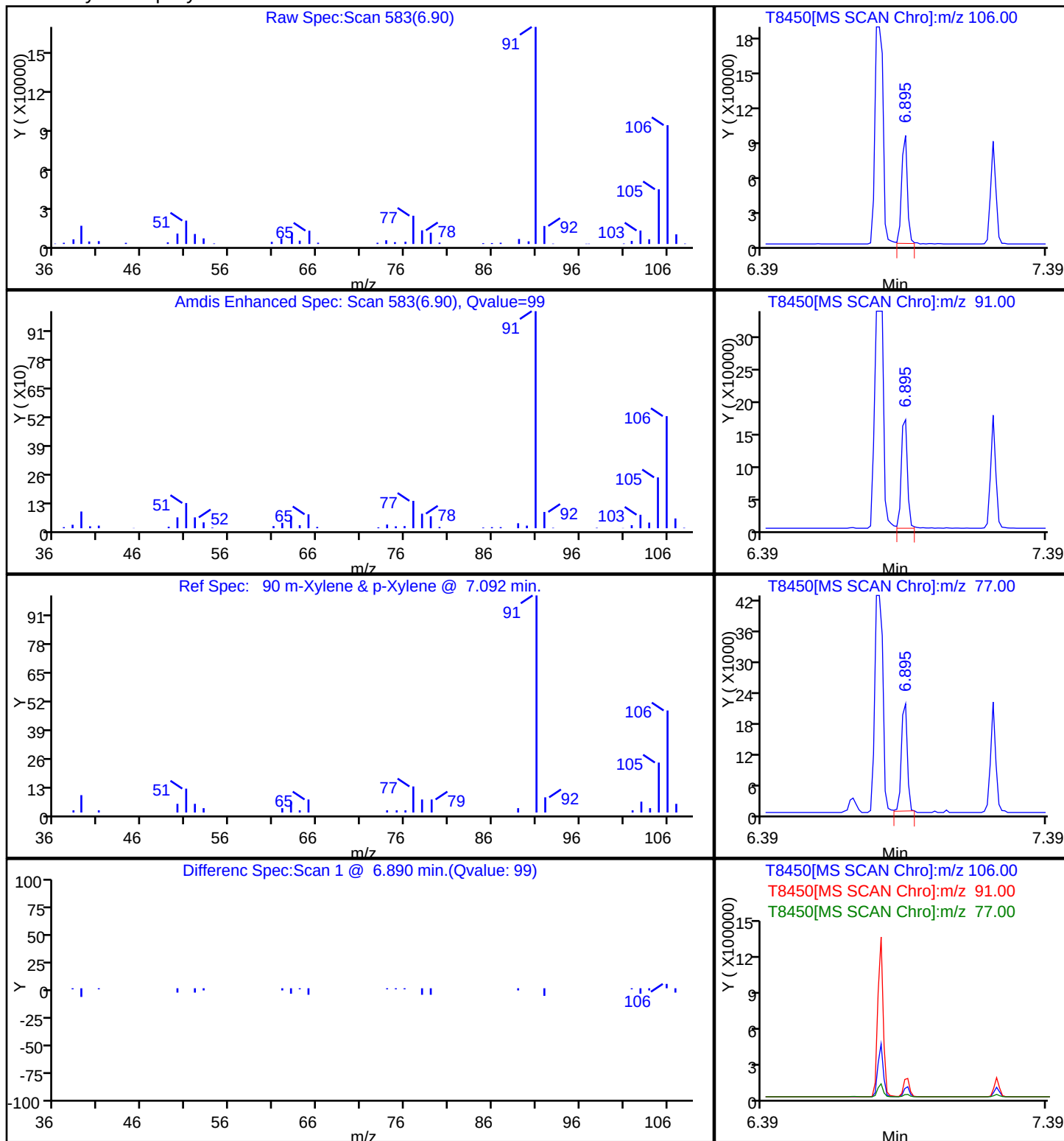
Lims Sample ID: 8

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

90 m-Xylene & p-Xylene



Report Date: 21-May-2012 17:19:52

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5975T\20120521-12080.b\T8450.D

Injection Date: 21-May-2012 13:21:30

Limit Group: MV - 8260B ICAL

Client ID: MW3DR

Instrument ID: HP5975T

Lims Batch ID: 65291

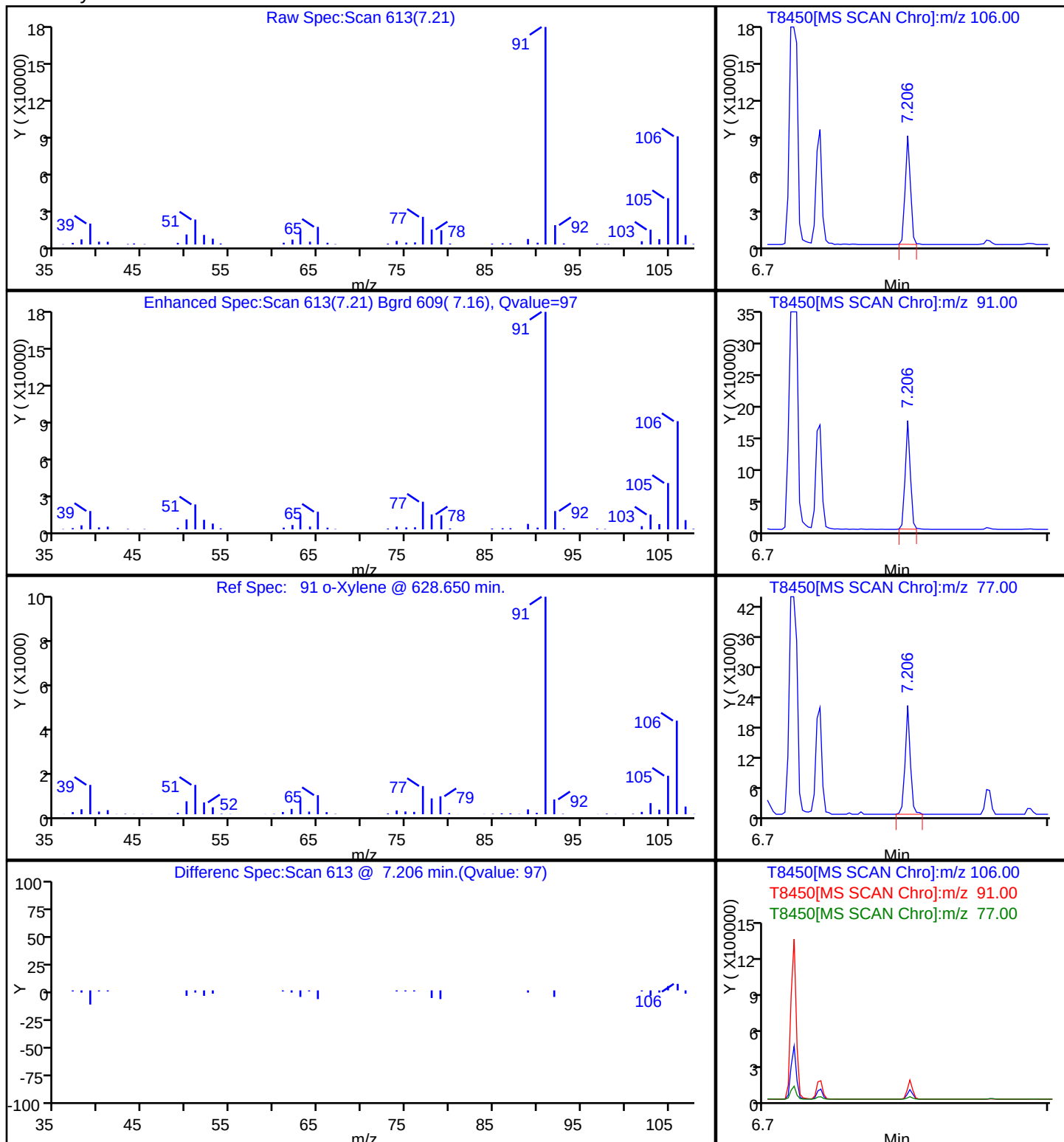
Lims Sample ID: 8

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

91 o-Xylene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
 SDG No.: _____
 Client Sample ID: MW3DR DUP Lab Sample ID: 480-20186-4
 Matrix: Water Lab File ID: N7836.D
 Analysis Method: 8260B Date Collected: 05/15/2012 11:05
 Sample wt/vol: 5(mL) Date Analyzed: 05/19/2012 13:07
 Soil Aliquot Vol: _____ Dilution Factor: 5
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 65164 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	800	E	5.0	2.1
108-88-3	Toluene	110		5.0	2.6
100-41-4	Ethylbenzene	840	E	5.0	3.7
179601-23-1	m-Xylene & p-Xylene	160		10	3.3
95-47-6	o-Xylene	140		5.0	3.8
1330-20-7	Xylenes, Total	300		10	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	120		66-137
2037-26-5	Toluene-d8 (Surr)	113		71-126
460-00-4	4-Bromofluorobenzene (Surr)	116		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20120519-12045.b\N7836.D
 Lims ID: 480-20186-D-4 Client ID: MW3DR DUP
 Inject. Date: 19-May-2012 13:07:30 Dil. Factor: 5.0000
 Sample Type: Client
 Sample ID: 480-20186-D-4
 Misc. Info.: 480-0012045-009
 Operator: LH Instrument ID: HP5973N
 Vol. Injected: 1.0000 ALS Bottle#: 53
 Lims Batch ID: 65164 Lims Sample ID: 9
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20120519-12045.b\N-8260.m
 Last Update: 19-May-2012 11:42:19 Calib Date: 09-May-2012 04:33:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20120508-11730.b\N7451.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: HillL

Date: 21-May-2012 06:45:03

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.519	4.518	0.001	95	817340	25.0	
* 2 Chlorobenzene-d5	117	7.311	7.311	0.0	94	670466	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.781	9.781	0.0	96	349085	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.129	4.129	0.0	84	389558	30.0	
\$ 6 Toluene-d8 (Surr)	98	5.869	5.869	0.0	86	961731	28.3	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.558	8.558	0.0	84	271426	28.9	
55 Benzene	78	4.135	4.129	0.006	96	6791500	160.0	E
73 Toluene	92	5.930	5.930	0.0	90	524342	21.3	
88 Ethylbenzene	91	7.451	7.445	0.006	97	7700634	168.7	E
90 m-Xylene & p-Xylene	106	7.573	7.572	0.001	97	561921	31.3	
91 o-Xylene	106	7.980	7.986	-0.006	98	483321	27.5	
S 125 Total BTEX	1				0		408.7	
S 126 Xylenes, Total	1				0		58.8	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Report Date: 21-May-2012 06:45:03

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973N\20120519-12045.b\N7836.D

Injection Date: 19-May-2012 13:07:30

Limit Group: MV - 8260B ICAL

Client ID: MW3DR DUP

Instrument ID: HP5973N

Lims Batch ID: 65164

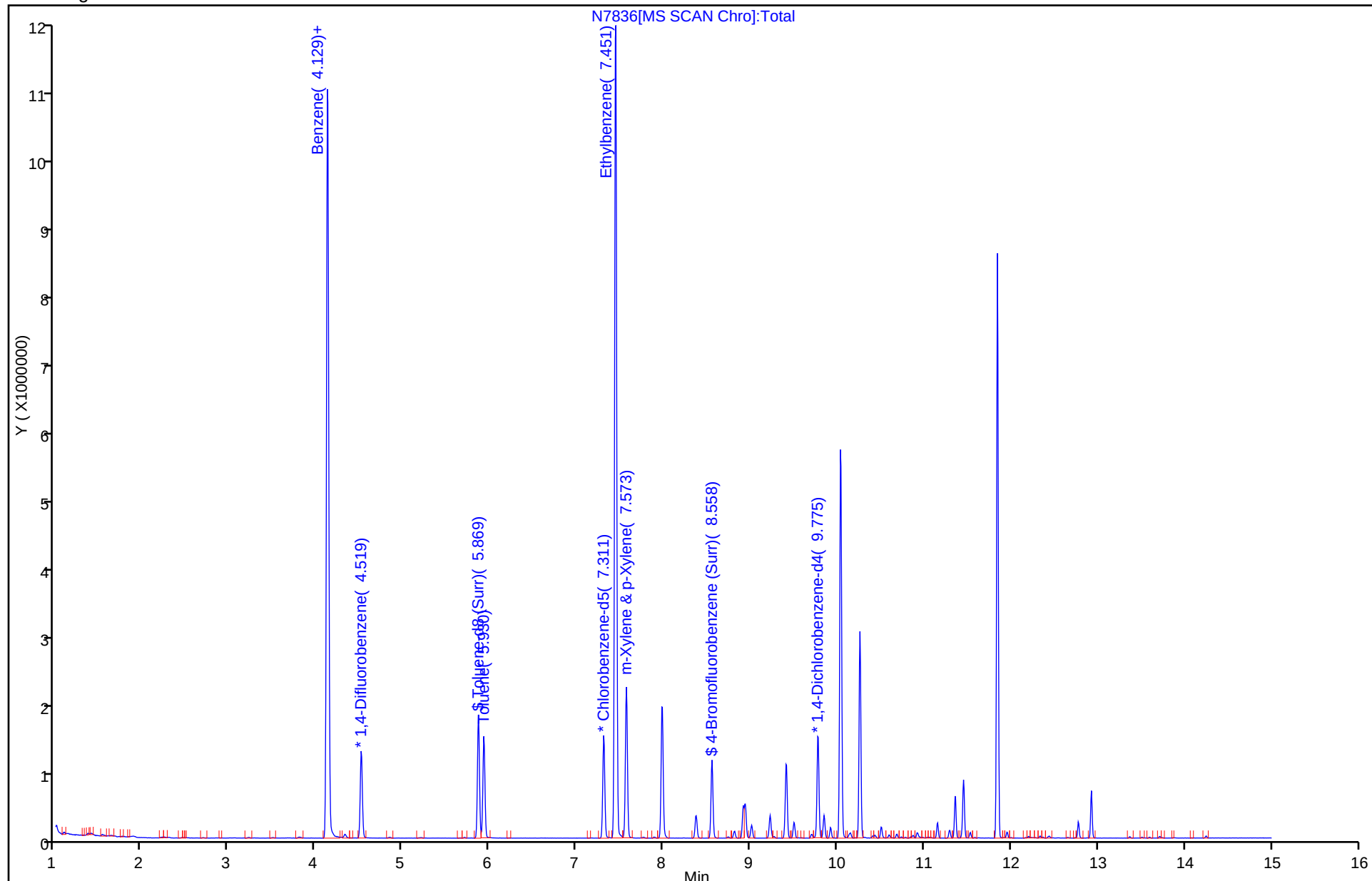
Lims Sample ID: 9

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 21-May-2012 06:45:03

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973N\20120519-12045.b\N7836.D

Injection Date: 19-May-2012 13:07:30

Limit Group: MV - 8260B ICAL

Client ID: MW3DR DUP

Instrument ID: HP5973N

Lims Batch ID: 65164

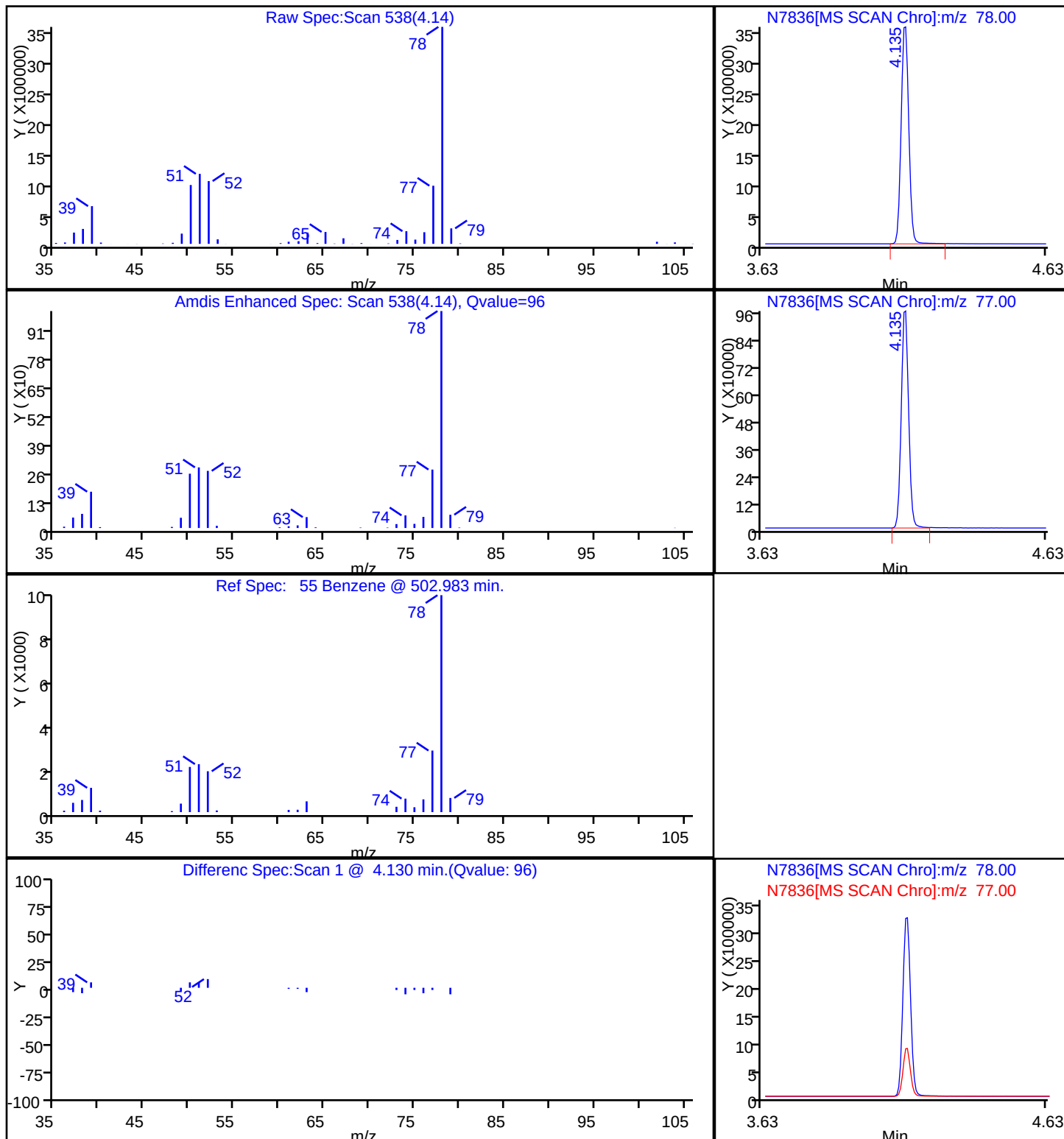
Lims Sample ID: 9

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

55 Benzene



Report Date: 21-May-2012 06:45:03

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973N\20120519-12045.b\N7836.D

Injection Date: 19-May-2012 13:07:30

Limit Group: MV - 8260B ICAL

Client ID: MW3DR DUP

Instrument ID: HP5973N

Lims Batch ID: 65164

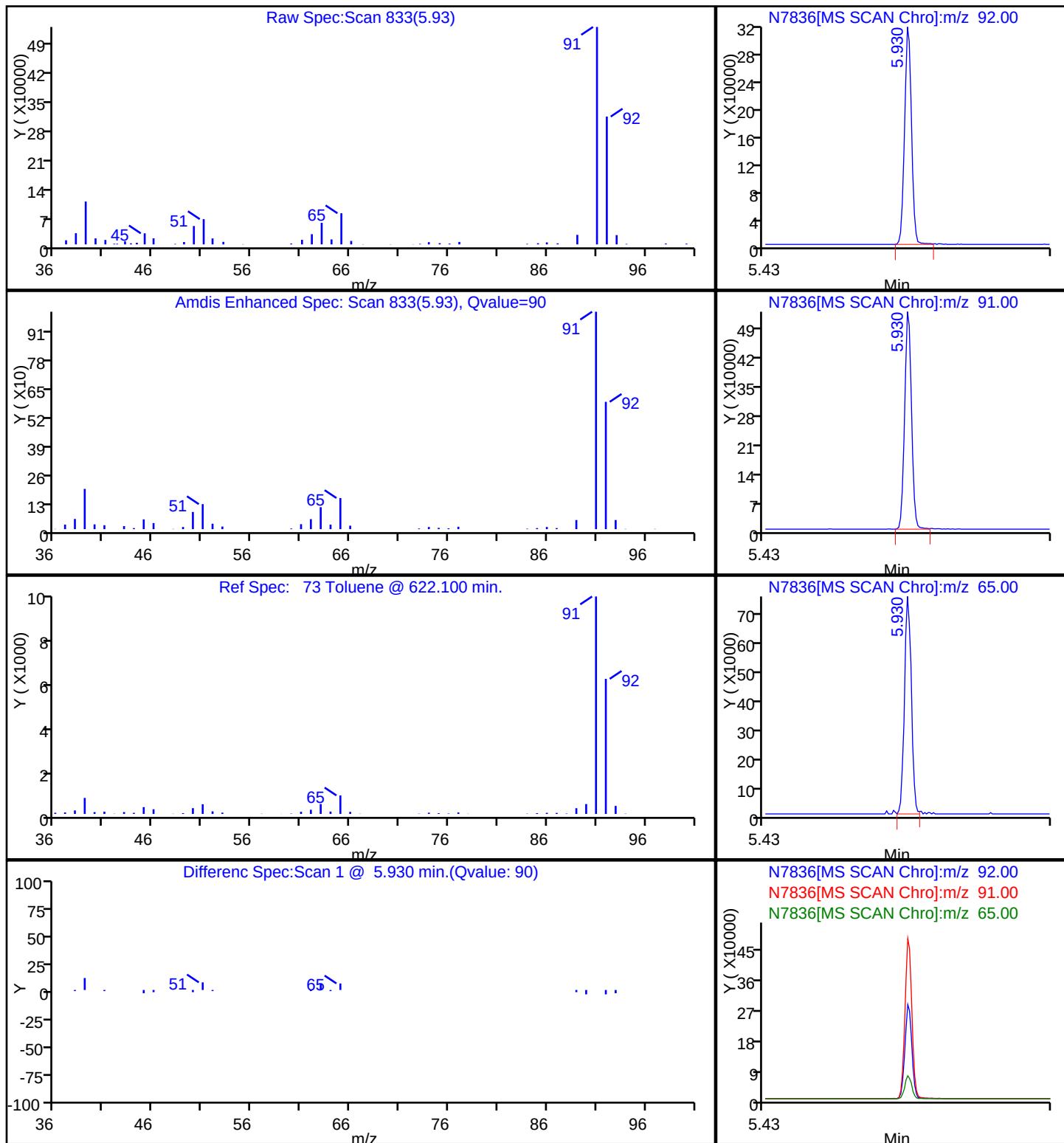
Lims Sample ID: 9

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

73 Toluene



Report Date: 21-May-2012 06:45:03

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973N\20120519-12045.b\N7836.D

Injection Date: 19-May-2012 13:07:30

Limit Group: MV - 8260B ICAL

Client ID: MW3DR DUP

Instrument ID: HP5973N

Lims Batch ID: 65164

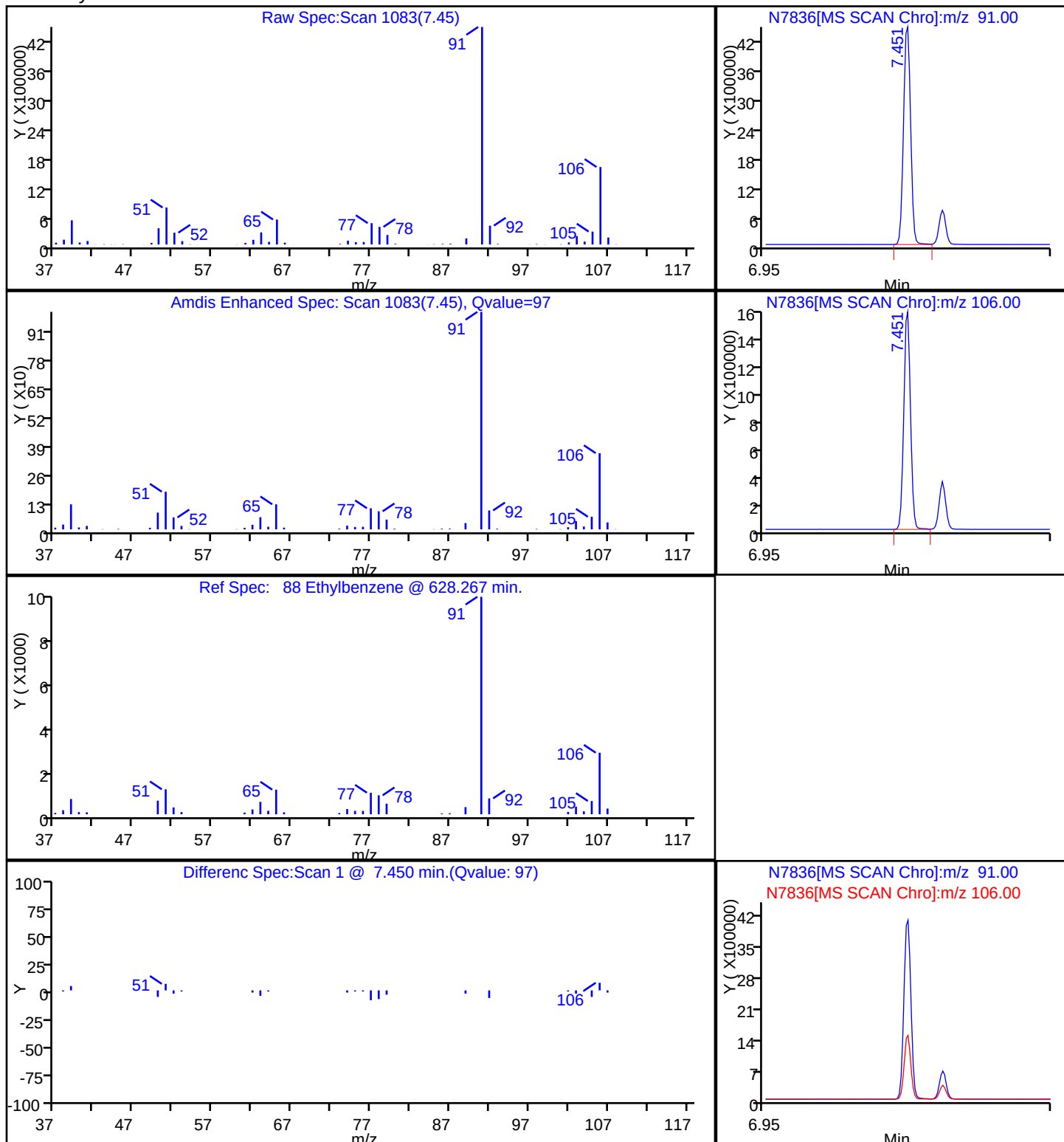
Lims Sample ID: 9

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

88 Ethylbenzene



Report Date: 21-May-2012 06:45:03

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973N\20120519-12045.b\N7836.D

Injection Date: 19-May-2012 13:07:30

Limit Group: MV - 8260B ICAL

Client ID: MW3DR DUP

Instrument ID: HP5973N

Lims Batch ID: 65164

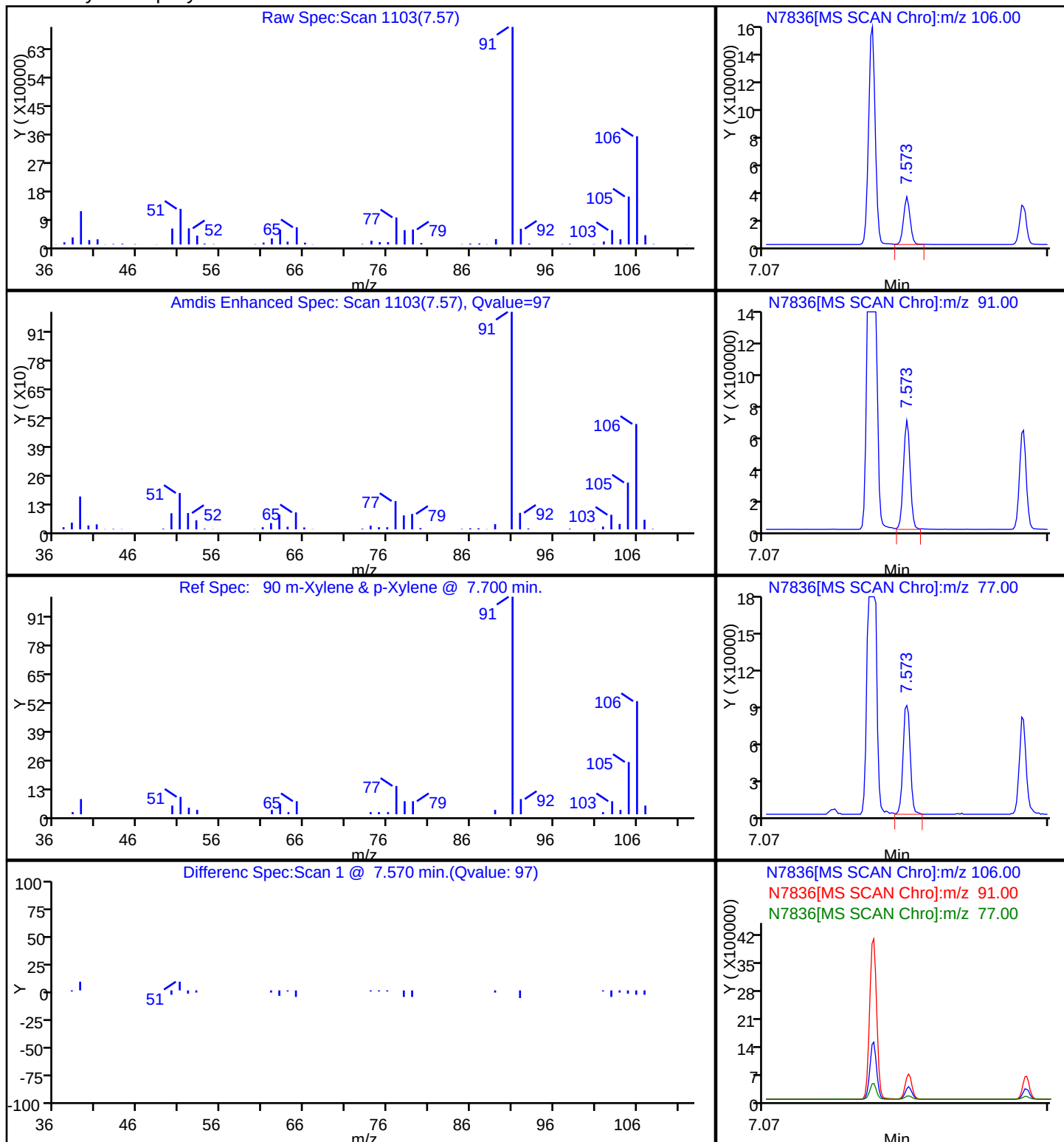
Lims Sample ID: 9

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

90 m-Xylene & p-Xylene



Report Date: 21-May-2012 06:45:03

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973N\20120519-12045.b\N7836.D

Injection Date: 19-May-2012 13:07:30

Limit Group: MV - 8260B ICAL

Client ID: MW3DR DUP

Instrument ID: HP5973N

Lims Batch ID: 65164

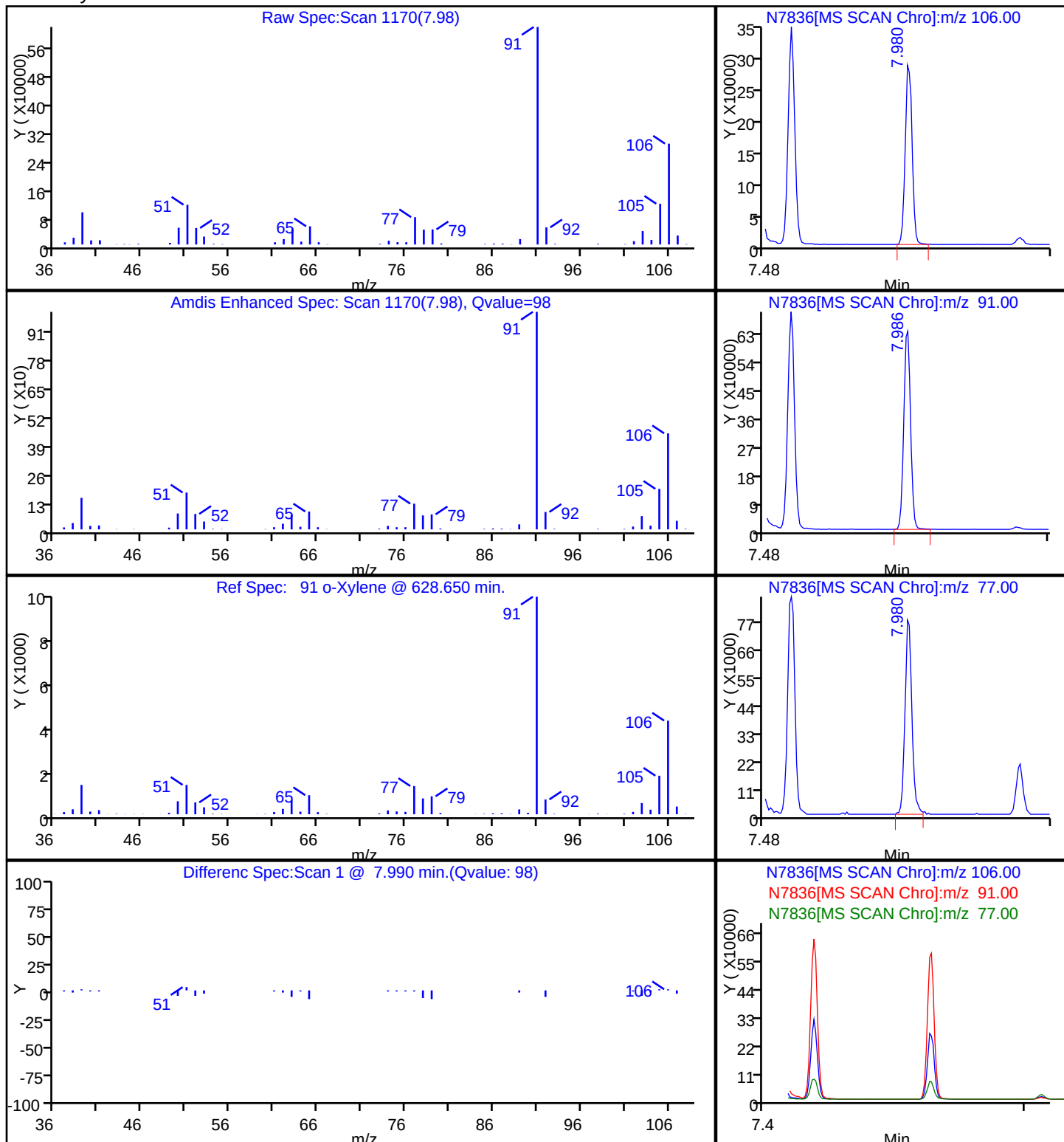
Lims Sample ID: 9

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

91 o-Xylene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
 SDG No.: _____
 Client Sample ID: MW3DR DUP DL Lab Sample ID: 480-20186-4 DL
 Matrix: Water Lab File ID: T8451.D
 Analysis Method: 8260B Date Collected: 05/15/2012 11:05
 Sample wt/vol: 5(mL) Date Analyzed: 05/21/2012 13:44
 Soil Aliquot Vol: _____ Dilution Factor: 20
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 65291 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	880		20	8.2
108-88-3	Toluene	110		20	10
100-41-4	Ethylbenzene	880		20	15
179601-23-1	<i>m</i> -Xylene & <i>p</i> -Xylene	160		40	13
95-47-6	<i>o</i> -Xylene	150		20	15
1330-20-7	Xylenes, Total	310		40	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		66-137
2037-26-5	Toluene-d8 (Surr)	106		71-126
460-00-4	4-Bromofluorobenzene (Surr)	109		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20120521-12080.b\T8451.D
 Lims ID: 480-20186-E-4 Client ID: MW3DR DUP
 Inject. Date: 21-May-2012 13:44:30 Dil. Factor: 20.0000
 Sample Type: Client
 Sample ID: 480-20186-E-4
 Misc. Info.: 480-0012080-009
 Operator: LH Instrument ID: HP5975T
 Vol. Injected: 1.0000 ALS Bottle#: 70
 Lims Batch ID: 65291 Lims Sample ID: 9
 Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5975T\20120521-12080.b\T-8260.m
 Last Update: 21-May-2012 12:17:48 Calib Date: 16-Apr-2012 21:30:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5975T\20120416-11026.b\T7062.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

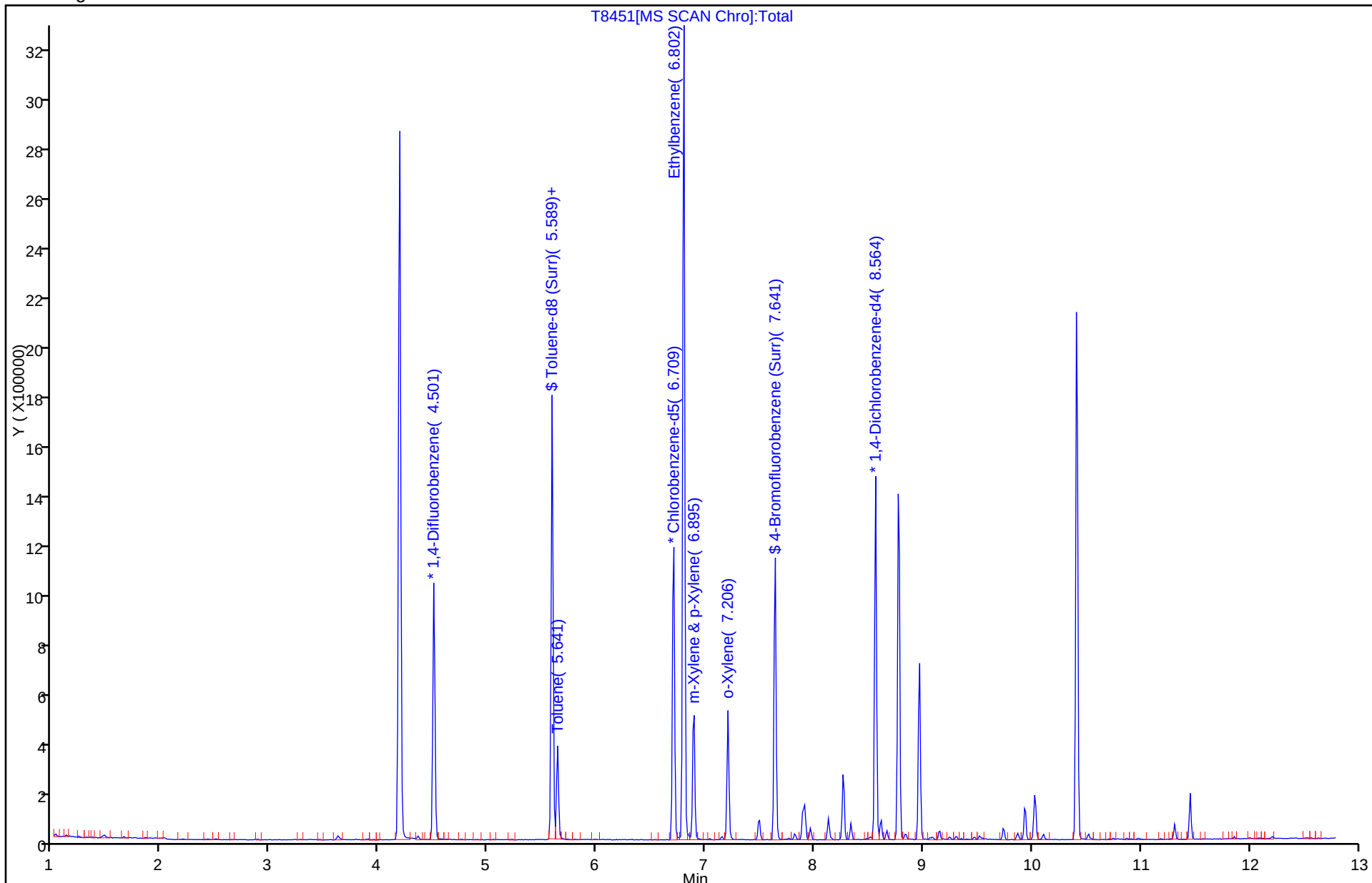
First Level Reviewer: larsonr

Date: 21-May-2012 17:20:09

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.501	4.501	0.0	94	632446	25.0	
* 2 Chlorobenzene-d5	117	6.709	6.709	0.0	83	559111	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.564	8.564	0.0	93	324193	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.190	4.191	-0.001	0	253673	22.4	
\$ 6 Toluene-d8 (Surr)	98	5.589	5.590	-0.001	92	876797	26.5	
\$ 7 4-Bromofluorobenzene (Surr)	174	7.641	7.641	0.0	94	277646	27.3	
55 Benzene	78	4.190	4.190	0.0	97	1580411	44.1	
73 Toluene	92	5.641	5.641	0.0	98	120515	5.44	
88 Ethylbenzene	91	6.802	6.802	0.0	98	1888021	44.1	
90 m-Xylene & p-Xylene	106	6.895	6.895	0.0	97	133855	8.18	
91 o-Xylene	106	7.206	7.206	0.0	95	117528	7.26	
S 125 Total BTEX	1				0		109.0	
S 126 Xylenes, Total	1				0		15.4	

Report Date: 21-May-2012 17:20:09
Data File: \\Bufchrom\ChromData\HP5975T\20120521-12080.b\T8451.D
Injection Date: 21-May-2012 13:44:30
Client ID: MW3DR DUP
Lims Batch ID: 65291
Operator ID: LH
Column Type: ZB-624
Y Scaling:

Chrom Revision: 2.0 20-Feb-2012 13:27:02
Limit Group: MV - 8260B ICAL
Instrument ID: HP5975T
Lims Sample ID: 9
Column Dia: 0.25 mm



Report Date: 21-May-2012 17:20:09

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5975T\20120521-12080.b\T8451.D

Injection Date: 21-May-2012 13:44:30

Limit Group: MV - 8260B ICAL

Client ID: MW3DR DUP

Instrument ID: HP5975T

Lims Batch ID: 65291

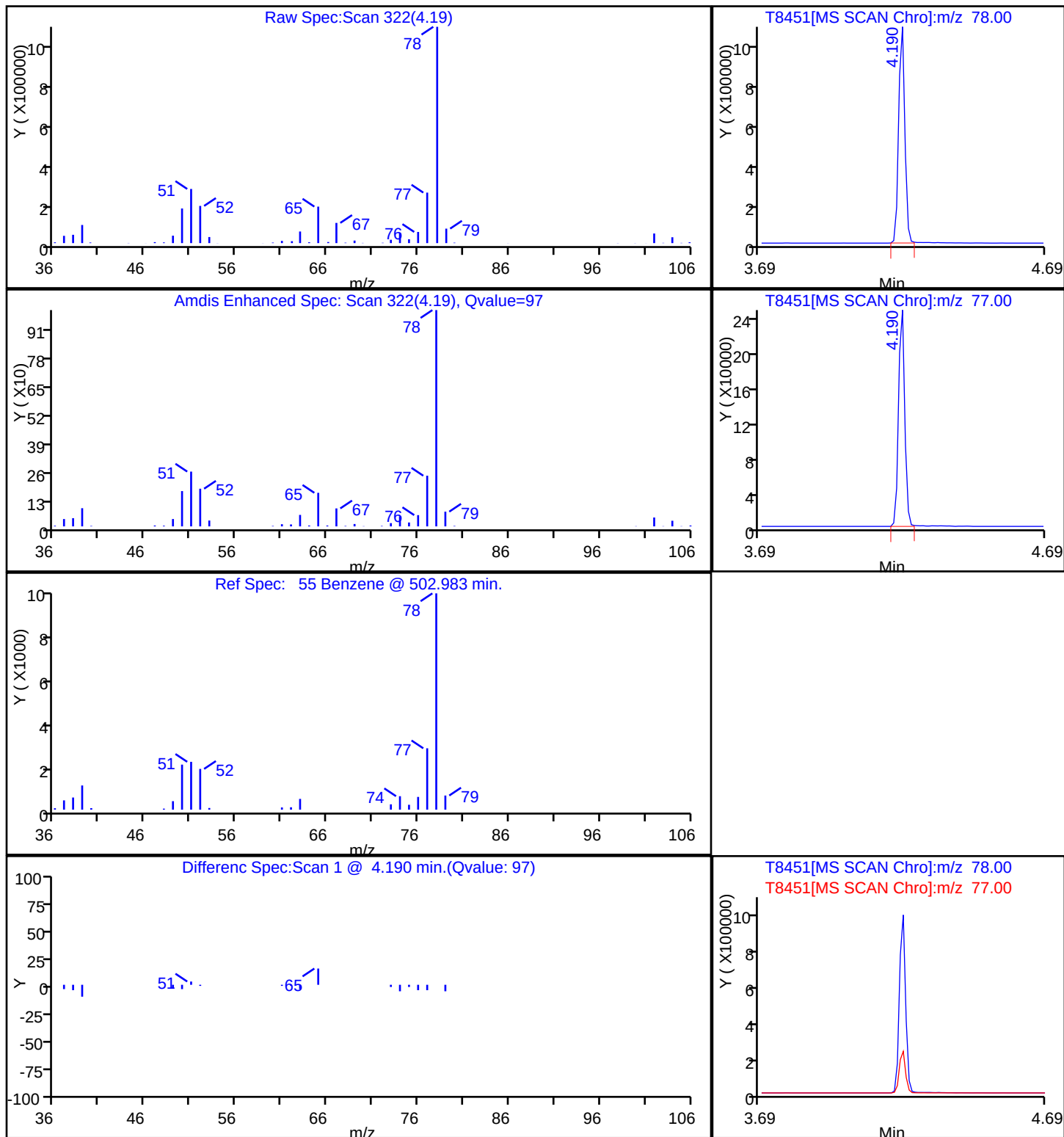
Lims Sample ID: 9

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

55 Benzene



Report Date: 21-May-2012 17:20:09

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

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Injection Date: 21-May-2012 13:44:30

Limit Group: MV - 8260B ICAL

Client ID: MW3DR DUP

Instrument ID: HP5975T

Lims Batch ID: 65291

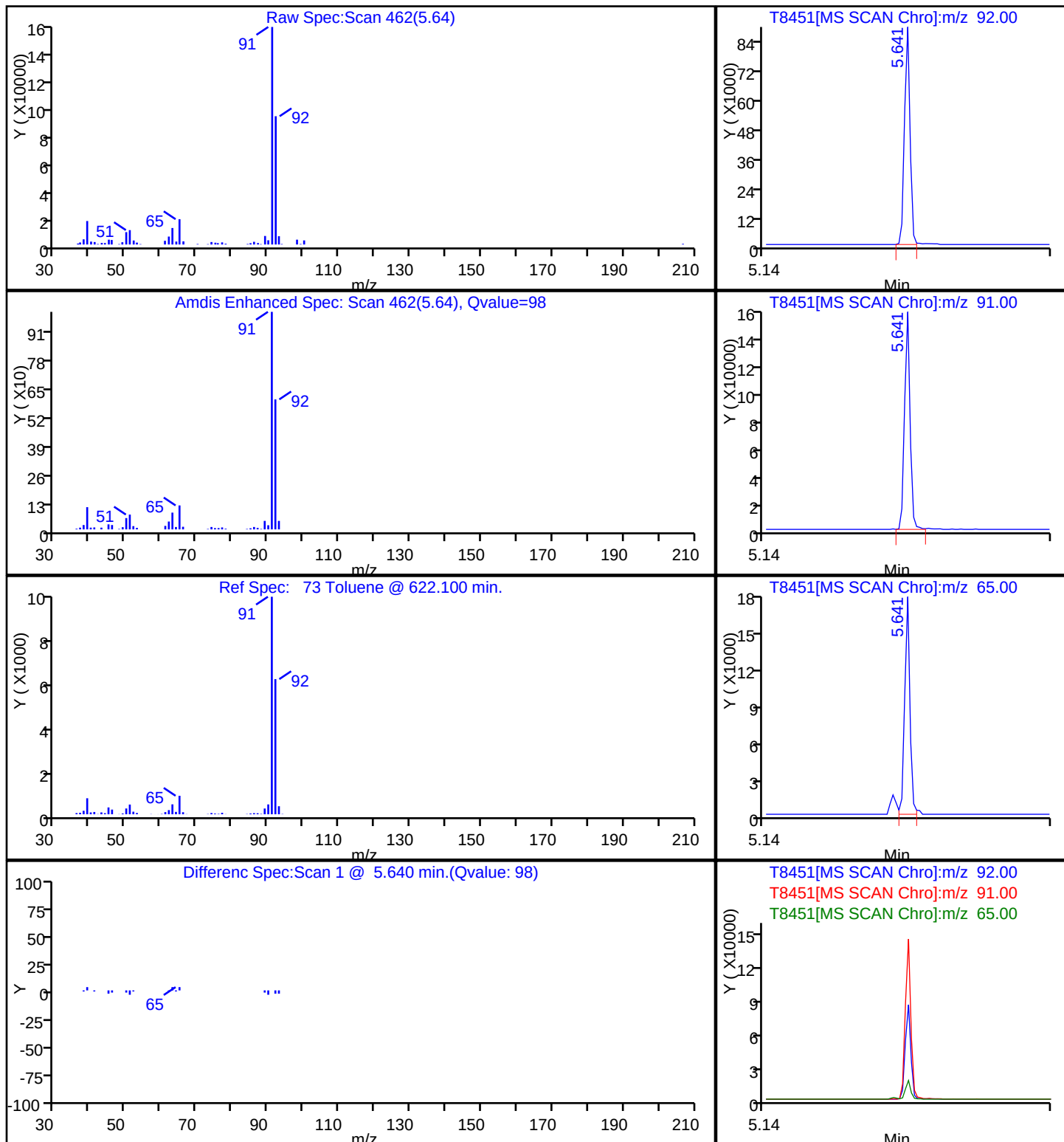
Lims Sample ID: 9

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

73 Toluene



Report Date: 21-May-2012 17:20:09

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5975T\20120521-12080.b\T8451.D

Injection Date: 21-May-2012 13:44:30

Limit Group: MV - 8260B ICAL

Client ID: MW3DR DUP

Instrument ID: HP5975T

Lims Batch ID: 65291

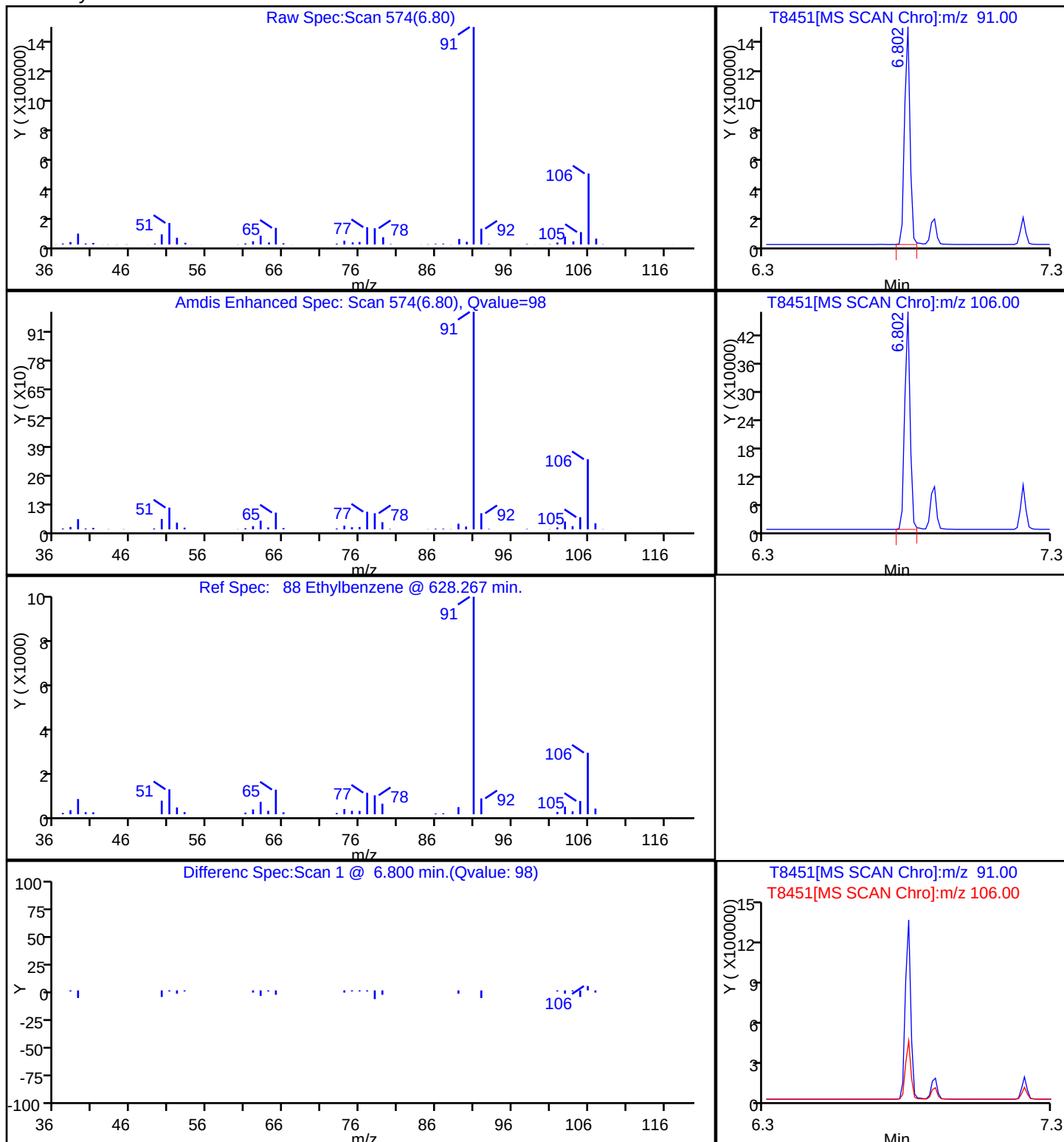
Lims Sample ID: 9

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

88 Ethylbenzene



Report Date: 21-May-2012 17:20:09

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5975T\20120521-12080.b\T8451.D

Injection Date: 21-May-2012 13:44:30

Limit Group: MV - 8260B ICAL

Client ID: MW3DR DUP

Instrument ID: HP5975T

Lims Batch ID: 65291

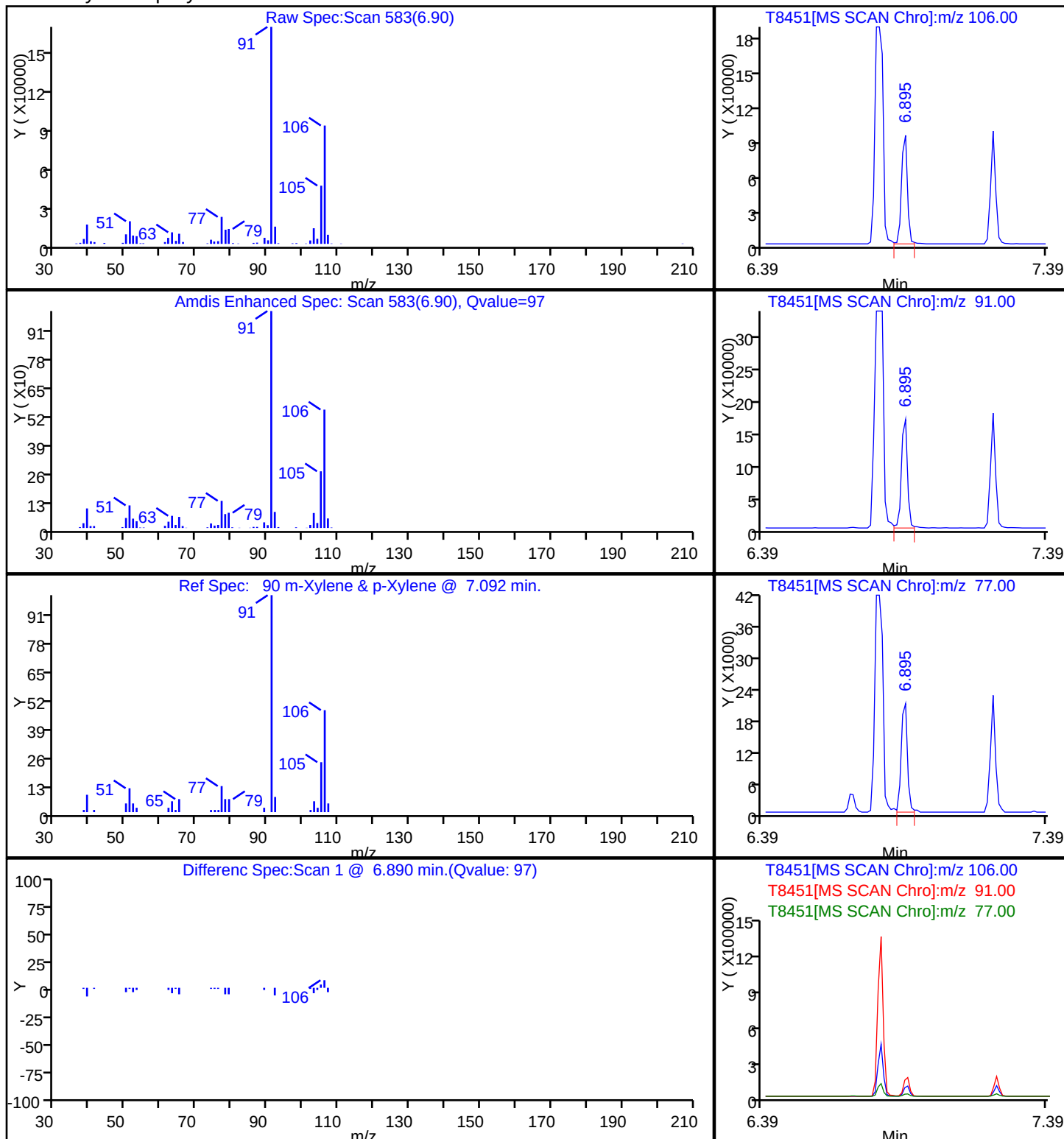
Lims Sample ID: 9

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

90 m-Xylene & p-Xylene



Report Date: 21-May-2012 17:20:09

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5975T\20120521-12080.b\T8451.D

Injection Date: 21-May-2012 13:44:30

Limit Group: MV - 8260B ICAL

Client ID: MW3DR DUP

Instrument ID: HP5975T

Lims Batch ID: 65291

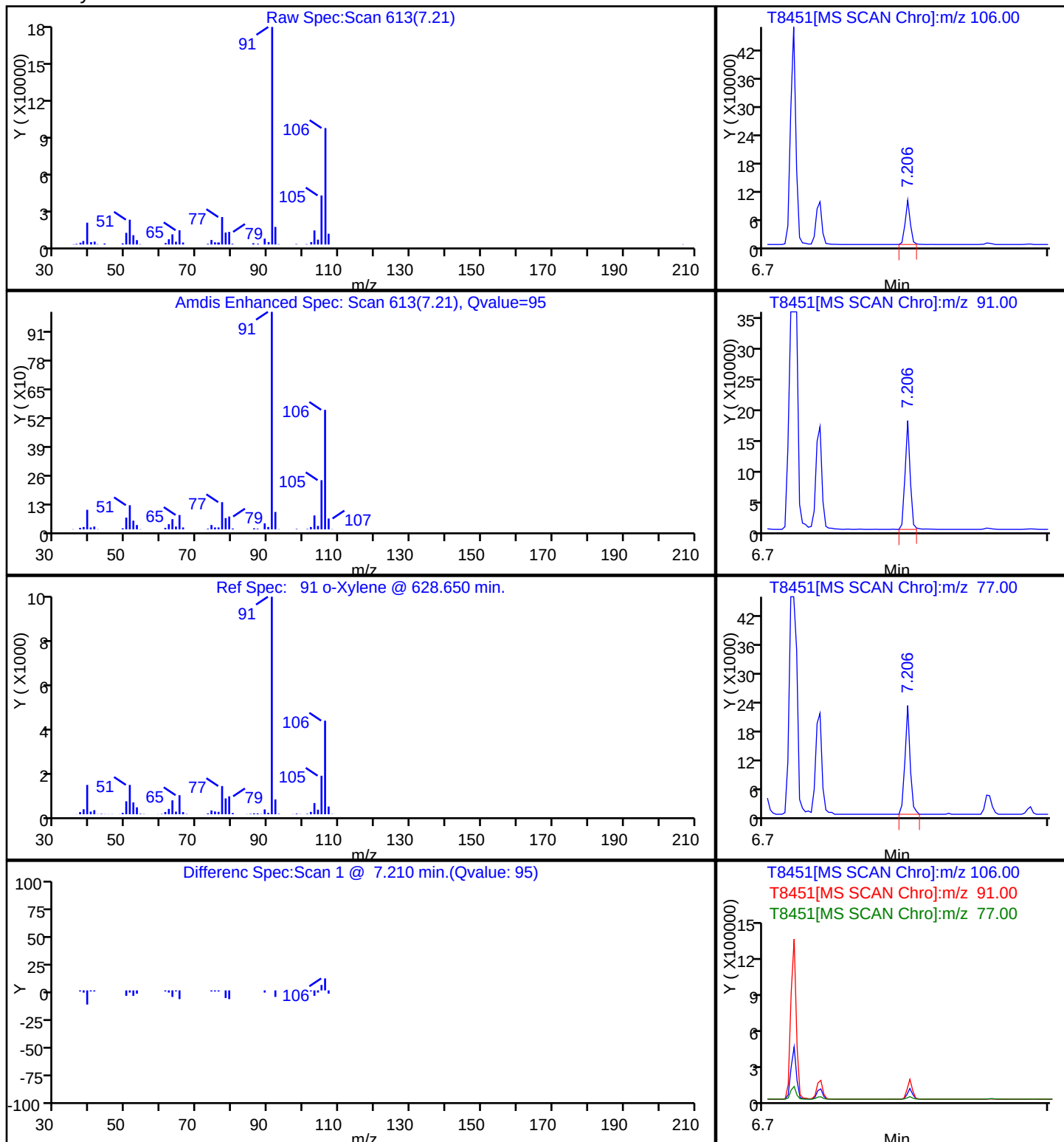
Lims Sample ID: 9

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

91 o-Xylene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
 SDG No.: _____
 Client Sample ID: EB1 Lab Sample ID: 480-20186-5
 Matrix: Water Lab File ID: N7837.D
 Analysis Method: 8260B Date Collected: 05/15/2012 15:00
 Sample wt/vol: 5(mL) Date Analyzed: 05/19/2012 13:30
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 65164 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.41
108-88-3	Toluene	ND		1.0	0.51
100-41-4	Ethylbenzene	ND		1.0	0.74
179601-23-1	m-Xylene & p-Xylene	ND		2.0	0.66
95-47-6	o-Xylene	ND		1.0	0.76
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	118		66-137
2037-26-5	Toluene-d8 (Surr)	114		71-126
460-00-4	4-Bromofluorobenzene (Surr)	113		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20120519-12045.b\N7837.D
 Lims ID: 480-20186-F-5 Client ID: EB1
 Inject. Date: 19-May-2012 13:30:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-20186-F-5
 Misc. Info.: 480-0012045-010
 Operator: LH Instrument ID: HP5973N
 Vol. Injected: 1.0000 ALS Bottle#: 54
 Lims Batch ID: 65164 Lims Sample ID: 10
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20120519-12045.b\N-8260.m
 Last Update: 19-May-2012 11:42:19 Calib Date: 09-May-2012 04:33:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20120508-11730.b\N7451.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: HillL

Date: 21-May-2012 06:45:07

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.518	4.518	0.0	95	784757	25.0	
* 2 Chlorobenzene-d5	117	7.311	7.311	0.0	94	656065	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.781	9.781	0.0	96	330610	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.129	4.129	0.0	95	369037	29.6	
\$ 6 Toluene-d8 (Surr)	98	5.869	5.869	0.0	87	942489	28.4	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.558	8.558	0.0	84	259509	28.3	
55 Benzene	78		4.129					
73 Toluene	92		5.930					
88 Ethylbenzene	91		7.445					
90 m-Xylene & p-Xylene	106		7.572					
91 o-Xylene	106		7.986					
S 125 Total BTEX	1		30.000					7
S 126 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Report Date: 21-May-2012 06:45:07

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973N\20120519-12045.b\N7837.D

Injection Date: 19-May-2012 13:30:30

Limit Group: MV - 8260B ICAL

Client ID: EB1

Instrument ID: HP5973N

Lims Batch ID: 65164

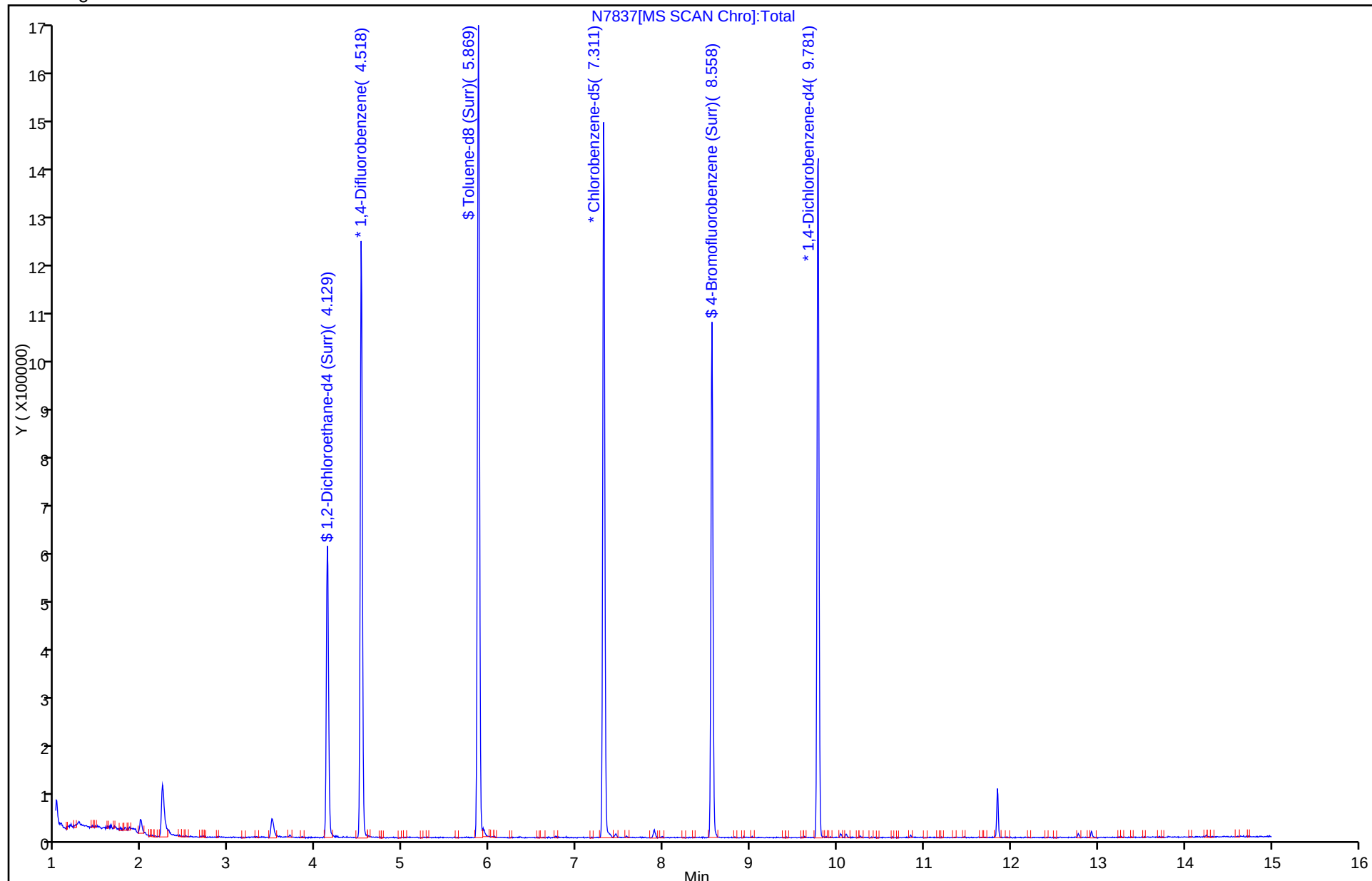
Lims Sample ID: 10

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



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

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1 Analy Batch No.: 63571

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/08/2012 22:15 Calibration End Date: 05/09/2012 00:14 Calibration ID: 8208

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-63571/3	N7435.D
Level 2	IC 480-63571/4	N7436.D
Level 3	IC 480-63571/5	N7437.D
Level 4	ICIS 480-63571/6	N7438.D
Level 5	IC 480-63571/7	N7439.D
Level 6	IC 480-63571/8	N7440.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								
Dichlorodifluoromethane	0.3042 0.3229	0.2769	0.2777	0.3028	0.2994	Ave		0.2973				5.9		15.0			
Chloromethane	0.7030 0.6340	0.6555	0.6124	0.6512	0.6236	Ave		0.6466			0.1000	5.0		15.0			
Vinyl chloride	0.4994 0.4479	0.4431	0.4196	0.4621	0.4455	Ave		0.4529				5.9		30.0			
Bromomethane	0.1031 0.0840	0.0742	0.0688	0.0701	0.0661	Qua	0.1274	0.0500	0.0003						0.9990		0.9900
Chloroethane	0.2087 0.1991	0.1937	0.1791	0.1917	0.1939	Ave		0.1944				5.0		15.0			
Trichlorofluoromethane	0.2439 0.3320	0.2607	0.2555	0.3013	0.3023	Ave		0.2826				12.0		15.0			
Acrolein	0.0272 0.0310	0.0280	0.0280	0.0285	0.0310	Ave		0.0290				5.6		15.0			
1,1-Dichloroethene	0.2622 0.2707	0.2537	0.2356	0.2621	0.2557	Ave		0.2567				4.6		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1903 0.2455	0.2059	0.2209	0.2276	0.2419	Ave		0.2220				9.5		15.0			
Acetone	0.2053 0.2047	0.1925	0.1996	0.1902	0.2001	Ave		0.1987				3.1		15.0			
Iodomethane	0.3706 0.4095	0.3819	0.3868	0.3772	0.3952	Ave		0.3869				3.6		15.0			
Carbon disulfide	0.7814 0.9789	0.8166	0.8474	0.8780	0.9420	Ave		0.8740				8.6		15.0			
Acetonitrile	0.0443 0.0500	0.0446	0.0491	0.0457	0.0500	Ave		0.0473				5.7		15.0			
Methyl acetate	0.8924 0.9159	0.8535	0.8640	0.8451	0.8923	Ave		0.8772				3.1		15.0			
Methylene Chloride	0.3898 0.3516	0.3397	0.3180	0.3400	0.3260	Ave		0.3442				7.3		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1 Analy Batch No.: 63571

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/08/2012 22:15 Calibration End Date: 05/09/2012 00:14 Calibration ID: 8208

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								
trans-1,2-Dichloroethene	0.3325 0.3354	0.2917	0.2855	0.3145	0.3085	Ave		0.3114				6.6		15.0			
Methyl tert-butyl ether	0.9882 1.0987	0.9888	1.0331	1.0012	1.0628	Ave		1.0288				4.4		15.0			
Acrylonitrile	0.2016 0.2187	0.2022	0.2108	0.2017	0.2170	Ave		0.2087				3.8		15.0			
1,1-Dichloroethane	0.7545 0.7971	0.7226	0.7035	0.7609	0.7457	Ave		0.7474			0.1000	4.3		15.0			
Vinyl acetate	0.9562 0.8277	1.0168	1.0700	1.0443	1.0368	Ave		0.9920				9.0		15.0			
2,2-Dichloropropane	0.2770 0.2818	0.2755	0.2566	0.2764	0.2727	Ave		0.2733				3.2		15.0			
cis-1,2-Dichloroethene	0.3284 0.3523	0.3180	0.3063	0.3345	0.3277	Ave		0.3279				4.7		15.0			
2-Butanone (MEK)	0.3103 0.3270	0.3031	0.3123	0.3034	0.3242	Ave		0.3134				3.3		15.0			
Bromochloromethane	0.1541 0.1598	0.1484	0.1382	0.1502	0.1505	Ave		0.1502				4.8		15.0			
Tetrahydrofuran	0.1898 0.2241	0.2046	0.2116	0.2048	0.2202	Ave		0.2092				5.9		15.0			
Chloroform	0.5526 0.5608	0.5026	0.4919	0.5294	0.5239	Ave		0.5269				5.1		30.0			
1,1,1-Trichloroethane	0.3456 0.4337	0.3504	0.3606	0.3998	0.3999	Ave		0.3817				9.1		15.0			
Cyclohexane	0.7716 0.9471	0.8107	0.8178	0.8569	0.9170	Ave		0.8535				7.9		15.0			
Carbon tetrachloride	0.2911 0.3924	0.2744	0.2804	0.3327	0.3458	Ave		0.3195				14.0		15.0			
1,1-Dichloropropene	0.4407 0.4709	0.4056	0.4007	0.4425	0.4421	Ave		0.4338				6.1		15.0			
Benzene	1.4129 1.3325	1.2417	1.2164	1.3107	1.2773	Ave		1.2986				5.4		15.0			
1,2-Dichloroethane	0.5585 0.5880	0.5112	0.5169	0.5553	0.5524	Ave		0.5470				5.2		15.0			
Trichloroethene	0.3100 0.3221	0.2947	0.2802	0.3048	0.3003	Ave		0.3020				4.7		15.0			
Methylcyclohexane	0.4579 0.5876	0.4879	0.5131	0.5404	0.5741	Ave		0.5268				9.5		15.0			
1,2-Dichloropropane	0.4124 0.4347	0.3735	0.3818	0.4106	0.4040	Ave		0.4028				5.5		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1 Analy Batch No.: 63571

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/08/2012 22:15 Calibration End Date: 05/09/2012 00:14 Calibration ID: 8208

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								
Dibromomethane	0.1711 0.1786	0.1578	0.1490	0.1675	0.1658	Ave		0.1650				6.3		15.0			
Bromodichloromethane	0.2921 0.3965	0.2835	0.2924	0.3438	0.3536	Ave		0.3270				14.0		15.0			
2-Chloroethyl vinyl ether	0.2320 0.2864	0.2492	0.2712	0.2664	0.2845	Ave		0.2650				7.9		15.0			
cis-1,3-Dichloropropene	0.4150 0.5246	0.3993	0.4073	0.4701	0.4774	Ave		0.4490				11.0		15.0			
4-Methyl-2-pentanone (MIBK)	0.7340 0.6870	0.7397	0.7653	0.7388	0.7635	Ave		0.7381				3.8		15.0			
Toluene	0.9478 0.9869	0.8601	0.8460	0.9398	0.9333	Ave		0.9190				5.9		30.0			
trans-1,3-Dichloropropene	0.4384 0.5731	0.4238	0.4410	0.5042	0.5172	Ave		0.4830				12.0		15.0			
Ethyl methacrylate	0.4312 0.5464	0.4648	0.4763	0.4833	0.5294	Ave		0.4886				8.7		15.0			
1,1,2-Trichloroethane	0.2507 0.2790	0.2452	0.2426	0.2670	0.2620	Ave		0.2578				5.5		15.0			
Tetrachloroethene	0.3642 0.3847	0.3289	0.3300	0.3669	0.3527	Ave		0.3546				6.2		15.0			
1,3-Dichloropropane	0.6310 0.6088	0.5169	0.5229	0.5728	0.5693	Ave		0.5703				7.9		15.0			
2-Hexanone	0.4668 0.5112	0.5093	0.5304	0.5194	0.5399	Ave		0.5128				4.9		15.0			
Dibromochloromethane	0.2300 0.3333	0.2142	0.2164	0.2717	0.2869	Lin	-1.013	0.3351							0.9950		0.9900
1,2-Dibromoethane	0.3440 0.3422	0.2890	0.2913	0.3184	0.3230	Ave		0.3180				7.5		15.0			
Chlorobenzene	1.1036 1.0372	0.9470	0.9305	1.0026	0.9816	Ave		1.0004			0.3000	6.3		15.0			
1,1,1,2-Tetrachloroethane	0.2677 0.3434	0.2715	0.2791	0.3145	0.3231	Ave		0.2999				10.0		15.0			
Ethylbenzene	1.7685 1.7626	1.6174	1.6011	1.7556	1.7056	Ave		1.7018				4.4		30.0			
m-Xylene & p-Xylene	0.6738 0.7074	0.6406	0.6331	0.6954	0.6694	Ave		0.6700				4.4		15.0			
o-Xylene	0.6921 0.6705	0.6259	0.6190	0.6717	0.6534	Ave		0.6554				4.3		15.0			
Styrene	1.0275 1.1103	0.9847	0.9753	1.0791	1.0477	Ave		1.0374				5.1		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1 Analy Batch No.: 63571

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/08/2012 22:15 Calibration End Date: 05/09/2012 00:14 Calibration ID: 8208

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								
Bromoform	0.0895 0.1856	0.1055	0.1109	0.1426	0.1568	Lin	-0.675	0.1871			0.1000				0.9940		0.9900
Isopropylbenzene	3.4742 3.7694	3.2449	3.1842	3.4897	3.4011	Ave		3.4272				6.1		15.0			
Bromobenzene	0.7359 0.8544	0.7211	0.7096	0.7758	0.7535	Ave		0.7584				6.9		15.0			
1,1,2,2-Tetrachloroethane	0.8299 0.8883	0.7670	0.7559	0.8480	0.8261	Ave		0.8192			0.3000	6.1		15.0			
1,2,3-Trichloropropane	0.2726 0.2720	0.2426	0.2438	0.2617	0.2458	Ave		0.2564				5.5		15.0			
N-Propylbenzene	4.0402 4.4901	3.8511	3.7857	4.2555	4.1512	Ave		4.0956				6.4		15.0			
trans-1,4-Dichloro-2-butene	0.3274 0.4745	0.3562	0.3810	0.4019	0.4385	Ave		0.3966				14.0		15.0			
2-Chlorotoluene	0.8062 0.8347	0.7379	0.7182	0.7811	0.7578	Ave		0.7727				5.6		15.0			
1,3,5-Trimethylbenzene	2.7115 2.9057	2.6346	2.6399	2.9232	2.7829	Ave		2.7663				4.6		15.0			
4-Chlorotoluene	2.7481 3.0082	2.7254	2.6056	2.8507	2.7833	Ave		2.7869				4.8		15.0			
tert-Butylbenzene	0.5377 0.5925	0.5244	0.5453	0.5943	0.5617	Ave		0.5593				5.2		15.0			
1,2,4-Trimethylbenzene	2.8387 2.8515	2.6533	2.5917	2.8912	2.7308	Ave		2.7595				4.4		15.0			
sec-Butylbenzene	3.6377 3.4607	3.2948	3.2567	3.6262	3.4398	Ave		3.4527				4.6		15.0			
1,3-Dichlorobenzene	1.5829 1.5097	1.4238	1.3380	1.5193	1.4306	Ave		1.4674				5.9		15.0			
4-Isopropyltoluene	2.6748 2.7584	2.6794	2.5915	2.9182	2.7547	Ave		2.7295				4.1		15.0			
1,4-Dichlorobenzene	1.5933 1.5664	1.4593	1.4200	1.5628	1.4759	Ave		1.5130				4.6		15.0			
n-Butylbenzene	2.5884 2.4707	2.4361	2.4649	2.7716	2.5206	Ave		2.5420				4.9		15.0			
1,2-Dichlorobenzene	1.4740 1.3008	1.3406	1.2838	1.4231	1.3072	Ave		1.3549				5.7		15.0			
1,2-Dibromo-3-Chloropropane	0.0645 0.1005	0.0904	0.0930	0.1065	0.0994	Lin1	-0.039	0.1014							0.9990		0.9900
1,2,4-Trichlorobenzene	0.7230 0.5553	0.6699	0.6681	0.7308	0.6010	Ave		0.6580				10.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1 Analy Batch No.: 63571

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/08/2012 22:15 Calibration End Date: 05/09/2012 00:14 Calibration ID: 8208

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								
Hexachlorobutadiene	0.3696 0.2154	0.3172	0.3267	0.3404	0.2748	Qua	0.0298	0.3489	-0.001						0.9980		0.9900
Naphthalene	1.9542 1.6503	1.7958	1.7925	1.9926	1.6626	Ave		1.8080				7.9		15.0			
1,2,3-Trichlorobenzene	0.6021 0.4599	0.5681	0.5597	0.5873	0.4852	Ave		0.5437				11.0		15.0			
1,2-Dichloroethane-d4 (Surr)	0.3723 0.4250	0.3827	0.3689	0.4207	0.4095	Ave		0.3965				6.3		15.0			
Toluene-d8 (Surr)	1.1015 1.3753	1.2159	1.1639	1.3991	1.3436	Ave		1.2666				9.7		15.0			
4-Bromofluorobenzene (Surr)	0.3097 0.3695	0.3443	0.3286	0.3846	0.3632	Ave		0.3500				8.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1 Analy Batch No.: 63571

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/08/2012 22:15 Calibration End Date: 05/09/2012 00:14 Calibration ID: 8208

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-63571/3	N7435.D
Level 2	IC 480-63571/4	N7436.D
Level 3	IC 480-63571/5	N7437.D
Level 4	ICIS 480-63571/6	N7438.D
Level 5	IC 480-63571/7	N7439.D
Level 6	IC 480-63571/8	N7440.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	DFB	Ave	10851 1194060	49667	100457	279641	549804	1.00 100	5.00	10.0	25.0	50.0
Chloromethane	DFB	Ave	25074 2344599	117571	221527	601360	1145013	1.00 100	5.00	10.0	25.0	50.0
Vinyl chloride	DFB	Ave	17812 1656508	79473	151795	426742	817935	1.00 100	5.00	10.0	25.0	50.0
Bromomethane	DFB	Qua	3677 310507	13316	24873	64716	121370	1.00 100	5.00	10.0	25.0	50.0
Chloroethane	DFB	Ave	7443 736458	34742	64783	177034	355942	1.00 100	5.00	10.0	25.0	50.0
Trichlorofluoromethane	DFB	Ave	8699 1227777	46753	92433	278235	554992	1.00 100	5.00	10.0	25.0	50.0
Acrolein	DFB	Ave	19438 2296185	100375	202525	526723	1136783	20.0 2000	100	200	500	1000
1,1-Dichloroethene	DFB	Ave	9353 1001107	45499	85234	242050	469467	1.00 100	5.00	10.0	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	DFB	Ave	6789 908073	36924	79897	210241	444140	1.00 100	5.00	10.0	25.0	50.0
Acetone	DFB	Ave	36613 3784880	172637	361099	878067	1837053	5.00 500	25.0	50.0	125	250
Iodomethane	DFB	Ave	13220 1514392	68497	139928	348329	725585	1.00 100	5.00	10.0	25.0	50.0
Carbon disulfide	DFB	Ave	27871 3620195	146453	306544	810852	1729642	1.00 100	5.00	10.0	25.0	50.0
Acetonitrile	DFB	Ave	63209 7389807	320089	710912	1686652	3672192	40.0 4000	200	400	1000	2000
Methyl acetate	DFB	Ave	31829 3387423	153082	312540	780442	1638424	1.00 100	5.00	10.0	25.0	50.0
Methylene Chloride	DFB	Ave	13902 1300300	60922	115034	314034	598645	1.00 100	5.00	10.0	25.0	50.0
trans-1,2-Dichloroethene	DFB	Ave	11861 1240240	52321	103281	290421	566461	1.00 100	5.00	10.0	25.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1 Analy Batch No.: 63571

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/08/2012 22:15 Calibration End Date: 05/09/2012 00:14 Calibration ID: 8208

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Methyl tert-butyl ether	DFB	Ave	35248 4063173	177346	373716	924630	1951545	1.00 100	5.00	10.0	25.0	50.0
Acrylonitrile	DFB	Ave	35948 4043333	181282	381354	931385	1992578	5.00 500	25.0	50.0	125	250
1,1-Dichloroethane	DFB	Ave	26910 2948035	129593	254498	702752	1369239	1.00 100	5.00	10.0	25.0	50.0
Vinyl acetate	DFB	Ave	170535 15305778	911788	1935240	4822239	9518755	5.00 500	25.0	50.0	125	250
2,2-Dichloropropane	DFB	Ave	9880 1042230	49415	92821	255285	500639	1.00 100	5.00	10.0	25.0	50.0
cis-1,2-Dichloroethene	DFB	Ave	11713 1302999	57033	110803	308886	601670	1.00 100	5.00	10.0	25.0	50.0
2-Butanone (MEK)	DFB	Ave	55336 6047233	271810	564892	1400775	2976255	5.00 500	25.0	50.0	125	250
Bromochloromethane	DFB	Ave	5498 590920	26613	49984	138708	276265	1.00 100	5.00	10.0	25.0	50.0
Tetrahydrofuran	DFB	Ave	33856 4144489	183505	382676	945515	2021887	5.00 500	25.0	50.0	125	250
Chloroform	DFB	Ave	19710 2073980	90136	177932	488892	961961	1.00 100	5.00	10.0	25.0	50.0
1,1,1-Trichloroethane	DFB	Ave	12328 1603900	62841	130429	369221	734328	1.00 100	5.00	10.0	25.0	50.0
Cyclohexane	DFB	Ave	27522 3502859	145396	295833	791414	1683755	1.00 100	5.00	10.0	25.0	50.0
Carbon tetrachloride	DFB	Ave	10384 1451091	49213	101448	307267	634862	1.00 100	5.00	10.0	25.0	50.0
1,1-Dichloropropene	DFB	Ave	15718 1741497	72747	144935	408699	811839	1.00 100	5.00	10.0	25.0	50.0
Benzene	DFB	Ave	50397 4928068	222700	440002	1210441	2345222	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloroethane	DFB	Ave	19920 2174554	91692	186965	512879	1014266	1.00 100	5.00	10.0	25.0	50.0
Trichloroethene	DFB	Ave	11057 1191312	52856	101353	281460	551443	1.00 100	5.00	10.0	25.0	50.0
Methylcyclohexane	DFB	Ave	16332 2173231	87503	185607	499115	1054178	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloropropane	DFB	Ave	14709 1607700	66990	138119	379169	741869	1.00 100	5.00	10.0	25.0	50.0
Dibromomethane	DFB	Ave	6103 660440	28304	53907	154648	304507	1.00 100	5.00	10.0	25.0	50.0
Bromodichloromethane	DFB	Ave	10420 1466567	50837	105767	317534	649198	1.00 100	5.00	10.0	25.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1 Analy Batch No.: 63571

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/08/2012 22:15 Calibration End Date: 05/09/2012 00:14 Calibration ID: 8208

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
2-Chloroethyl vinyl ether	DFB	Ave	41377 5295856	223469	490480	1230287	2612292	5.00 500	25.0	50.0	125	250
cis-1,3-Dichloropropene	DFB	Ave	14803 1940323	71616	147326	434192	876633	1.00 100	5.00	10.0	25.0	50.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	106838 10488097	544597	1142838	2805119	5730390	5.00 500	25.0	50.0	125	250
Toluene	CBZ	Ave	27592 3013338	126653	252654	713603	1400863	1.00 100	5.00	10.0	25.0	50.0
trans-1,3-Dichloropropene	CBZ	Ave	12764 1749690	62406	131723	382879	776338	1.00 100	5.00	10.0	25.0	50.0
Ethyl methacrylate	CBZ	Ave	12554 1668207	68437	142263	366966	794699	1.00 100	5.00	10.0	25.0	50.0
1,1,2-Trichloroethane	CBZ	Ave	7297 851867	36108	72451	202779	393266	1.00 100	5.00	10.0	25.0	50.0
Tetrachloroethene	CBZ	Ave	10604 1174512	48426	98546	278640	529385	1.00 100	5.00	10.0	25.0	50.0
1,3-Dichloropropane	CBZ	Ave	18369 1858864	76112	156164	434921	854576	1.00 100	5.00	10.0	25.0	50.0
2-Hexanone	CBZ	Ave	67948 7803575	374955	792022	1972112	4052191	5.00 500	25.0	50.0	125	250
Dibromochloromethane	CBZ	Lin	6696 1017663	31535	64642	206291	430616	1.00 100	5.00	10.0	25.0	50.0
1,2-Dibromoethane	CBZ	Ave	10014 1044804	42558	87002	241740	484805	1.00 100	5.00	10.0	25.0	50.0
Chlorobenzene	CBZ	Ave	32127 3166940	139446	277904	761298	1473447	1.00 100	5.00	10.0	25.0	50.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	7792 1048493	39976	83367	238775	484914	1.00 100	5.00	10.0	25.0	50.0
Ethylbenzene	CBZ	Ave	51486 5381622	238170	478184	1333081	2560132	1.00 100	5.00	10.0	25.0	50.0
m-Xylene & p-Xylene	CBZ	Ave	39234 4319516	188667	378179	1056157	2009559	2.00 200	10.0	20.0	50.0	100
o-Xylene	CBZ	Ave	20148 2047155	92165	184859	510044	980778	1.00 100	5.00	10.0	25.0	50.0
Styrene	CBZ	Ave	29912 3389858	145004	291294	819423	1572575	1.00 100	5.00	10.0	25.0	50.0
Bromoform	CBZ	Lin	2606 566556	15535	33123	108291	235431	1.00 100	5.00	10.0	25.0	50.0
Isopropylbenzene	DCB	Ave	50214 5213267	241498	480712	1320886	2507924	1.00 100	5.00	10.0	25.0	50.0
Bromobenzene	DCB	Ave	10636 1181738	53667	107120	293651	555661	1.00 100	5.00	10.0	25.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1 Analy Batch No.: 63571

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/08/2012 22:15 Calibration End Date: 05/09/2012 00:14 Calibration ID: 8208

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,1,2,2-Tetrachloroethane	DCB	Ave	11995 1228537	57080	114117	320974	609155	1.00 100	5.00	10.0	25.0	50.0
1,2,3-Trichloropropane	DCB	Ave	3940 376241	18055	36800	99069	181241	1.00 100	5.00	10.0	25.0	50.0
N-Propylbenzene	DCB	Ave	58395 6210032	286610	571509	1610783	3061062	1.00 100	5.00	10.0	25.0	50.0
trans-1,4-Dichloro-2-butene	DCB	Ave	23661 3281454	132537	287616	760707	1616780	5.00 500	25.0	50.0	125	250
2-Chlorotoluene	DCB	Ave	11653 1154407	54920	108422	295676	558807	1.00 100	5.00	10.0	25.0	50.0
1,3,5-Trimethylbenzene	DCB	Ave	39191 4018751	196075	398528	1106458	2052135	1.00 100	5.00	10.0	25.0	50.0
4-Chlorotoluene	DCB	Ave	39720 4160548	202833	393351	1079041	2052406	1.00 100	5.00	10.0	25.0	50.0
tert-Butylbenzene	DCB	Ave	7772 819466	39029	82322	224970	414205	1.00 100	5.00	10.0	25.0	50.0
1,2,4-Trimethylbenzene	DCB	Ave	41029 3943815	197468	391263	1094357	2013711	1.00 100	5.00	10.0	25.0	50.0
sec-Butylbenzene	DCB	Ave	52578 4786380	245213	491647	1372557	2536496	1.00 100	5.00	10.0	25.0	50.0
1,3-Dichlorobenzene	DCB	Ave	22878 2087961	105962	201996	575089	1054946	1.00 100	5.00	10.0	25.0	50.0
4-Isopropyltoluene	DCB	Ave	38661 3815027	199411	391221	1104580	2031333	1.00 100	5.00	10.0	25.0	50.0
1,4-Dichlorobenzene	DCB	Ave	23029 2166488	108607	214369	591551	1088286	1.00 100	5.00	10.0	25.0	50.0
n-Butylbenzene	DCB	Ave	37411 3417127	181303	372123	1049083	1858665	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichlorobenzene	DCB	Ave	21305 1799044	99769	193803	538659	963890	1.00 100	5.00	10.0	25.0	50.0
1,2-Dibromo-3-Chloropropane	DCB	Lin1	932 138960	6727	14038	40295	73261	1.00 100	5.00	10.0	25.0	50.0
1,2,4-Trichlorobenzene	DCB	Ave	10450 768026	49853	100855	276601	443154	1.00 100	5.00	10.0	25.0	50.0
Hexachlorobutadiene	DCB	Qua	5342 297848	23607	49322	128842	202602	1.00 100	5.00	10.0	25.0	50.0
Naphthalene	DCB	Ave	28245 2282397	133646	270604	754229	1225970	1.00 100	5.00	10.0	25.0	50.0
1,2,3-Trichlorobenzene	DCB	Ave	8702 636014	42277	84502	222315	357782	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloroethane-d4 (Surr)	DFB	Ave	13281 1571873	68641	133435	388500	751909	1.00 100	5.00	10.0	25.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1 Analy Batch No.: 63571

SDG No.: _____

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/08/2012 22:15 Calibration End Date: 05/09/2012 00:14 Calibration ID: 8208

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Toluene-d8 (Surr)	CBZ	Ave	32066 4199238	179044	347623	1062412	2016771	1.00 100	5.00	10.0	25.0	50.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	9015 1128245	50697	98135	292078	545161	1.00 100	5.00	10.0	25.0	50.0

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD
Qua = Quadratic ISTD

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20120508-11730.b\N7435.D
 Lims ID: IC Client ID:
 Inject. Date: 08-May-2012 22:15:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: IC
 Misc. Info.: 480-0011730-003
 Operator: RAL Instrument ID: HP5973N
 Vol. Injected: 1.0000 ALS Bottle#: 45
 Lims Batch ID: 63571 Lims Sample ID: 3
 Sublist: chrom-N-8260*sub7
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20120508-11730.b\N-8260.m
 Last Update: 09-May-2012 09:19:43 Calib Date: 09-May-2012 04:33:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20120508-11730.b\N7451.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: HillL

Date: 09-May-2012 09:19:43

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.519	4.518	0.001	95	891706	25.0	
* 2 Chlorobenzene-d5	117	7.311	7.311	0.0	91	727800	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.781	9.781	0.0	96	361339	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.129	4.129	0.0	47	13281	0.9390	
\$ 6 Toluene-d8 (Surr)	98	5.869	5.869	0.0	70	32066	0.8697	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.558	8.558	0.0	63	9015	0.8848	
11 Dichlorodifluoromethane	85	0.935	0.935	0.0	75	10851	1.02	
13 Chloromethane	50	1.021	1.020	0.001	87	25074	1.09	
14 Vinyl chloride	62	1.094	1.099	-0.005	80	17812	1.10	
15 Bromomethane	94	1.288	1.288	0.0	52	3677	-0.4888	
16 Chloroethane	64	1.355	1.361	-0.006	30	7443	1.07	
18 Trichlorofluoromethane	101	1.495	1.531	-0.036	28	8699	0.8630	
20 Acrolein	56	1.836	1.842	-0.006	90	19438	18.8	
22 1,1-Dichloroethene	96	1.872	1.872	0.0	80	9353	1.02	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.891	1.884	0.007	44	6789	0.8573	
23 Acetone	43	1.976	1.976	0.0	88	36613	5.17	
24 Iodomethane	142	1.994	1.994	0.0	74	13220	0.9581	
25 Carbon disulfide	76	2.018	2.024	-0.006	96	27871	0.8940	
29 Acetonitrile	40	2.225	2.225	0.0	99	63209	37.5	
28 Methyl acetate	43	2.231	2.231	0.0	45	31829	1.02	
30 Methylene Chloride	84	2.304	2.304	0.0	73	13902	1.13	
33 trans-1,2-Dichloroethene	96	2.511	2.511	0.0	83	11861	1.07	
32 Methyl tert-butyl ether	73	2.517	2.511	0.006	81	35248	0.9605	
34 Acrylonitrile	53	2.560	2.553	0.007	97	35948	4.83	
36 1,1-Dichloroethane	63	2.882	2.882	0.0	63	26910	1.01	
39 Vinyl acetate	43	2.955	2.949	0.006	96	170535	4.82	
42 2,2-Dichloropropane	77	3.369	3.363	0.006	58	9880	1.01	
43 cis-1,2-Dichloroethene	96	3.399	3.399	0.0	75	11713	1.00	
44 2-Butanone (MEK)	43	3.472	3.448	0.024	93	55336	4.95	
47 Chlorobromomethane	128	3.612	3.612	0.0	76	5498	1.03	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	3.685	3.649	0.037	87	33856	4.54	
50 Chloroform	83	3.703	3.703	0.0	71	19710	1.05	
51 1,1,1-Trichloroethane	97	3.795	3.795	0.0	59	12328	0.9056	
52 Cyclohexane	56	3.807	3.807	0.0	80	27522	0.9040	
53 Carbon tetrachloride	117	3.929	3.928	0.001	62	10384	0.9113	
54 1,1-Dichloropropene	75	3.947	3.947	0.0	63	15718	1.02	
55 Benzene	78	4.135	4.135	0.0	91	50397	1.09	
57 1,2-Dichloroethane	62	4.202	4.202	0.0	79	19920	1.02	
60 Trichloroethene	95	4.732	4.731	0.001	82	11057	1.03	
62 Methylcyclohexane	83	4.841	4.847	-0.006	79	16332	0.8691	
63 1,2-Dichloropropane	63	4.957	4.956	0.001	75	14709	1.02	
64 Dibromomethane	93	5.084	5.084	0.0	76	6103	1.04	
67 Dichlorobromomethane	83	5.243	5.248	-0.005	66	10420	0.8934	
69 2-Chloroethyl vinyl ether	63	5.547	5.541	0.007	76	41377	4.38	
71 cis-1,3-Dichloropropene	75	5.656	5.656	0.0	54	14803	0.9244	
72 4-Methyl-2-pentanone (MIBK)	43	5.827	5.820	0.007	93	106838	4.97	
73 Toluene	92	5.936	5.930	0.006	92	27592	1.03	
75 trans-1,3-Dichloropropene	75	6.222	6.222	0.0	59	12764	0.9078	
77 Ethyl methacrylate	69	6.313	6.301	0.012	67	12554	0.8826	
78 1,1,2-Trichloroethane	83	6.399	6.398	0.0	70	7297	0.9725	
79 Tetrachloroethene	166	6.453	6.453	0.0	83	10604	1.03	
80 1,3-Dichloropropane	76	6.557	6.550	0.007	75	18369	1.11	
82 2-Hexanone	43	6.660	6.648	0.012	95	67948	4.55	
83 Chlorodibromomethane	129	6.776	6.775	0.001	30	6696	3.71	
84 Ethylene Dibromide	107	6.861	6.861	0.0	55	10014	1.08	
85 Chlorobenzene	112	7.341	7.341	0.0	79	32127	1.10	
88 Ethylbenzene	91	7.451	7.451	0.0	95	51486	1.04	
89 1,1,1,2-Tetrachloroethane	131	7.451	7.451	0.0	26	7792	0.8926	
90 m-Xylene & p-Xylene	106	7.573	7.572	0.001	97	39234	2.01	
91 o-Xylene	106	7.986	7.986	0.0	84	20148	1.06	
92 Styrene	104	8.017	8.017	0.0	79	29912	0.99	
93 Bromoform	173	8.242	8.236	0.006	28	2606	4.09	
95 Isopropylbenzene	105	8.376	8.375	0.001	81	50214	1.01	
97 Bromobenzene	156	8.698	8.692	0.006	86	10636	0.9703	
98 1,1,2,2-Tetrachloroethane	83	8.795	8.795	0.0	70	11995	1.01	
99 1,2,3-Trichloropropane	110	8.808	8.807	0.001	38	3940	1.06	
100 N-Propylbenzene	91	8.820	8.813	0.007	90	58395	0.9865	
101 trans-1,4-Dichloro-2-butene	53	8.844	8.844	0.0	52	23661	4.13	
102 2-Chlorotoluene	126	8.905	8.905	0.0	88	11653	1.04	
104 1,3,5-Trimethylbenzene	105	9.014	9.014	0.0	79	39191	0.9802	
105 4-Chlorotoluene	91	9.027	9.026	0.001	91	39720	0.9861	
106 tert-Butylbenzene	134	9.355	9.355	0.0	81	7772	0.9614	
108 1,2,4-Trimethylbenzene	105	9.416	9.416	0.0	87	41029	1.03	
109 sec-Butylbenzene	105	9.586	9.586	0.0	75	52578	1.05	
110 1,3-Dichlorobenzene	146	9.702	9.702	0.0	88	22878	1.08	
111 4-Isopropyltoluene	119	9.744	9.750	-0.006	85	38661	0.9800	
113 1,4-Dichlorobenzene	146	9.799	9.799	0.0	66	23029	1.05	
115 n-Butylbenzene	91	10.158	10.158	0.0	92	37411	1.02	
116 1,2-Dichlorobenzene	146	10.170	10.170	0.0	79	21305	1.09	
117 1,2-Dibromo-3-Chloropropane	75	10.937	10.937	0.0	1	932	1.03	
119 1,2,4-Trichlorobenzene	180	11.643	11.636	0.007	66	10450	1.10	
120 Hexachlorobutadiene	225	11.776	11.770	0.006	51	5342	0.9777	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	11.849	11.843	0.006	79	28245	1.08	
122 1,2,3-Trichlorobenzene	180	12.056	12.056	0.0	74	8702	1.11	
S 123 1,3-Dichloropropene, Total	1				0		1.83	
S 124 1,2-Dichloroethene, Total	1				0		2.07	
S 125 Total BTEX	1				0		6.23	
S 126 Xylenes, Total	1				0		3.07	

Report Date: 09-May-2012 09:19:43

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973N\20120508-11730.b\N7435.D

Injection Date: 08-May-2012 22:15:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 63571

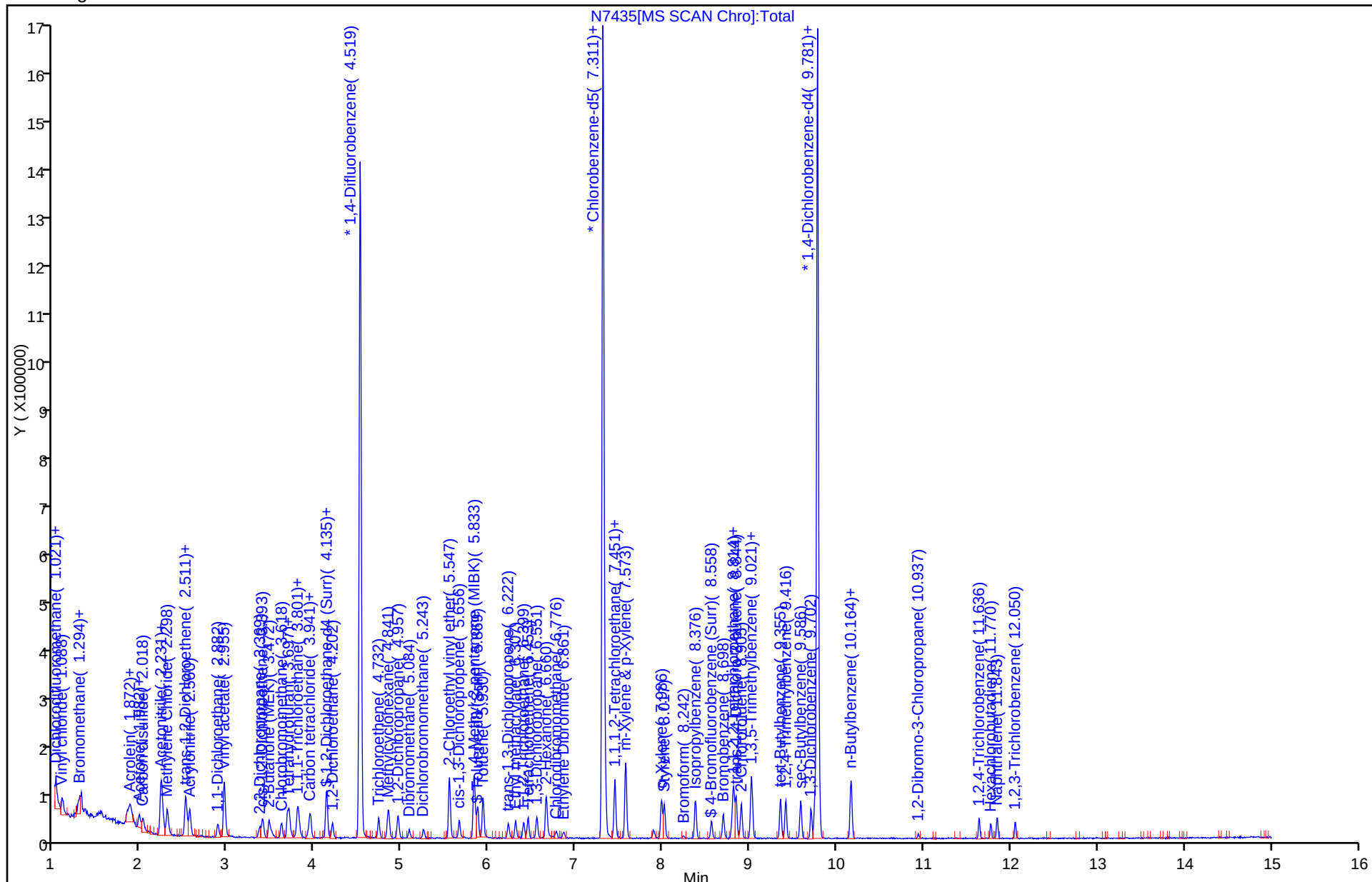
Lims Sample ID: 3

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



06/01/2012

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20120508-11730.b\N7436.D
 Lims ID: IC 2 Client ID:
 Inject. Date: 08-May-2012 22:39:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: IC 2
 Misc. Info.: 480-0011730-004
 Operator: RAL Instrument ID: HP5973N
 Vol. Injected: 1.0000 ALS Bottle#: 46
 Lims Batch ID: 63571 Lims Sample ID: 4
 Sublist: chrom-N-8260*sub7
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20120508-11730.b\N-8260.m
 Last Update: 09-May-2012 09:19:51 Calib Date: 09-May-2012 04:33:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20120508-11730.b\N7451.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: HillL

Date: 09-May-2012 09:19:51

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.518	4.518	0.0	94	896750	25.0	
* 2 Chlorobenzene-d5	117	7.311	7.311	0.0	92	736269	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.781	9.781	0.0	93	372116	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.129	4.129	0.0	60	68641	4.83	
\$ 6 Toluene-d8 (Surr)	98	5.869	5.869	0.0	82	179044	4.80	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.558	8.558	0.0	81	50697	4.92	
11 Dichlorodifluoromethane	85	0.935	0.935	0.0	84	49667	4.66	
13 Chloromethane	50	1.020	1.020	0.0	100	117571	5.07	
14 Vinyl chloride	62	1.093	1.099	-0.006	84	79473	4.89	
15 Bromomethane	94	1.282	1.288	-0.006	88	13316	4.73	
16 Chloroethane	64	1.349	1.361	-0.012	87	34742	4.98	
18 Trichlorofluoromethane	101	1.501	1.531	-0.030	79	46753	4.61	
20 Acrolein	56	1.842	1.842	0.0	92	100375	96.6	
22 1,1-Dichloroethene	96	1.866	1.872	-0.006	79	45499	4.94	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.884	1.884	0.0	70	36924	4.64	
23 Acetone	43	1.976	1.976	0.0	93	172637	24.2	
24 Iodomethane	142	1.994	1.994	0.0	96	68497	4.94	
25 Carbon disulfide	76	2.024	2.024	0.0	99	146453	4.67	
29 Acetonitrile	40	2.231	2.225	0.006	99	320089	188.8	
28 Methyl acetate	43	2.231	2.231	0.0	44	153082	4.87	
30 Methylene Chloride	84	2.304	2.304	0.0	82	60922	4.93	
33 trans-1,2-Dichloroethene	96	2.511	2.511	0.0	82	52321	4.68	
32 Methyl tert-butyl ether	73	2.517	2.511	0.006	86	177346	4.81	
34 Acrylonitrile	53	2.560	2.553	0.007	98	181282	24.2	
36 1,1-Dichloroethane	63	2.882	2.882	0.0	83	129593	4.83	
39 Vinyl acetate	43	2.955	2.949	0.006	96	911788	25.6	
42 2,2-Dichloropropane	77	3.363	3.363	0.0	75	49415	5.04	
43 cis-1,2-Dichloroethene	96	3.399	3.399	0.0	72	57033	4.85	
44 2-Butanone (MEK)	43	3.460	3.448	0.012	94	271810	24.2	
47 Chlorobromomethane	128	3.612	3.612	0.0	76	26613	4.94	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	3.667	3.649	0.019	92	183505	24.5	
50 Chloroform	83	3.703	3.703	0.0	95	90136	4.77	
51 1,1,1-Trichloroethane	97	3.801	3.795	0.006	87	62841	4.59	
52 Cyclohexane	56	3.807	3.807	0.0	93	145396	4.75	
53 Carbon tetrachloride	117	3.928	3.928	0.0	72	49213	4.29	
54 1,1-Dichloropropene	75	3.947	3.947	0.0	78	72747	4.68	
55 Benzene	78	4.135	4.135	0.0	92	222700	4.78	
57 1,2-Dichloroethane	62	4.202	4.202	0.0	88	91692	4.67	
60 Trichloroethene	95	4.737	4.731	0.006	89	52856	4.88	
62 Methylcyclohexane	83	4.847	4.847	0.0	91	87503	4.63	
63 1,2-Dichloropropane	63	4.956	4.956	0.0	84	66990	4.64	
64 Dibromomethane	93	5.084	5.084	0.0	86	28304	4.78	
67 Dichlorobromomethane	83	5.249	5.248	0.0	83	50837	4.33	
69 2-Chloroethyl vinyl ether	63	5.541	5.541	0.001	84	223469	23.5	
71 cis-1,3-Dichloropropene	75	5.656	5.656	0.0	76	71616	4.45	
72 4-Methyl-2-pentanone (MIBK)	43	5.820	5.820	0.0	97	544597	25.1	
73 Toluene	92	5.936	5.930	0.006	89	126653	4.68	
75 trans-1,3-Dichloropropene	75	6.222	6.222	0.0	87	62406	4.39	
77 Ethyl methacrylate	69	6.301	6.301	0.0	85	68437	4.76	
78 1,1,2-Trichloroethane	83	6.398	6.398	0.0	92	36108	4.76	
79 Tetrachloroethene	166	6.453	6.453	0.0	86	48426	4.64	
80 1,3-Dichloropropane	76	6.550	6.550	0.0	86	76112	4.53	
82 2-Hexanone	43	6.654	6.648	0.006	98	374955	24.8	
83 Chlorodibromomethane	129	6.775	6.775	0.0	82	31535	6.22	
84 Ethylene Dibromide	107	6.861	6.861	0.0	89	42558	4.54	
85 Chlorobenzene	112	7.341	7.341	0.0	84	139446	4.73	
88 Ethylbenzene	91	7.451	7.451	0.0	98	238170	4.75	
89 1,1,1,2-Tetrachloroethane	131	7.445	7.451	-0.006	79	39976	4.53	
90 m-Xylene & p-Xylene	106	7.572	7.572	0.0	97	188667	9.56	
91 o-Xylene	106	7.986	7.986	0.0	97	92165	4.77	
92 Styrene	104	8.017	8.017	0.0	93	145004	4.75	
93 Bromoform	173	8.236	8.236	0.0	84	15535	6.43	
95 Isopropylbenzene	105	8.375	8.375	0.0	96	241498	4.73	
97 Bromobenzene	156	8.698	8.692	0.006	93	53667	4.75	
98 1,1,2,2-Tetrachloroethane	83	8.795	8.795	0.0	93	57080	4.68	
99 1,2,3-Trichloropropane	110	8.813	8.807	0.006	81	18055	4.73	
100 N-Propylbenzene	91	8.813	8.813	0.0	96	286610	4.70	
101 trans-1,4-Dichloro-2-butene	53	8.844	8.844	0.0	68	132537	22.5	
102 2-Chlorotoluene	126	8.905	8.905	0.0	94	54920	4.78	
104 1,3,5-Trimethylbenzene	105	9.014	9.014	0.0	88	196075	4.76	
105 4-Chlorotoluene	91	9.026	9.026	0.0	97	202833	4.89	
106 tert-Butylbenzene	134	9.355	9.355	0.0	92	39029	4.69	
108 1,2,4-Trimethylbenzene	105	9.416	9.416	0.0	64	197468	4.81	
109 sec-Butylbenzene	105	9.586	9.586	0.0	93	245213	4.77	
110 1,3-Dichlorobenzene	146	9.708	9.702	0.006	95	105962	4.85	
111 4-Isopropyltoluene	119	9.750	9.750	0.0	89	199411	4.91	
113 1,4-Dichlorobenzene	146	9.805	9.799	0.006	87	108607	4.82	
115 n-Butylbenzene	91	10.158	10.158	0.0	94	181303	4.79	
116 1,2-Dichlorobenzene	146	10.170	10.170	0.0	92	99769	4.95	
117 1,2-Dibromo-3-Chloropropane	75	10.937	10.937	0.0	38	6727	4.85	
119 1,2,4-Trichlorobenzene	180	11.636	11.636	0.0	91	49853	5.09	
120 Hexachlorobutadiene	225	11.776	11.770	0.006	87	23607	4.54	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	11.849	11.843	0.006	96	133646	4.97	
122 1,2,3-Trichlorobenzene	180	12.056	12.056	0.0	91	42277	5.22	
S 123 1,3-Dichloropropene, Total	1				0		8.83	
S 124 1,2-Dichloroethene, Total	1				0		9.53	
S 125 Total BTEX	1				0		28.5	
S 126 Xylenes, Total	1				0		14.3	

Report Date: 09-May-2012 09:19:51

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973N\20120508-11730.b\N7436.D

Injection Date: 08-May-2012 22:39:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 63571

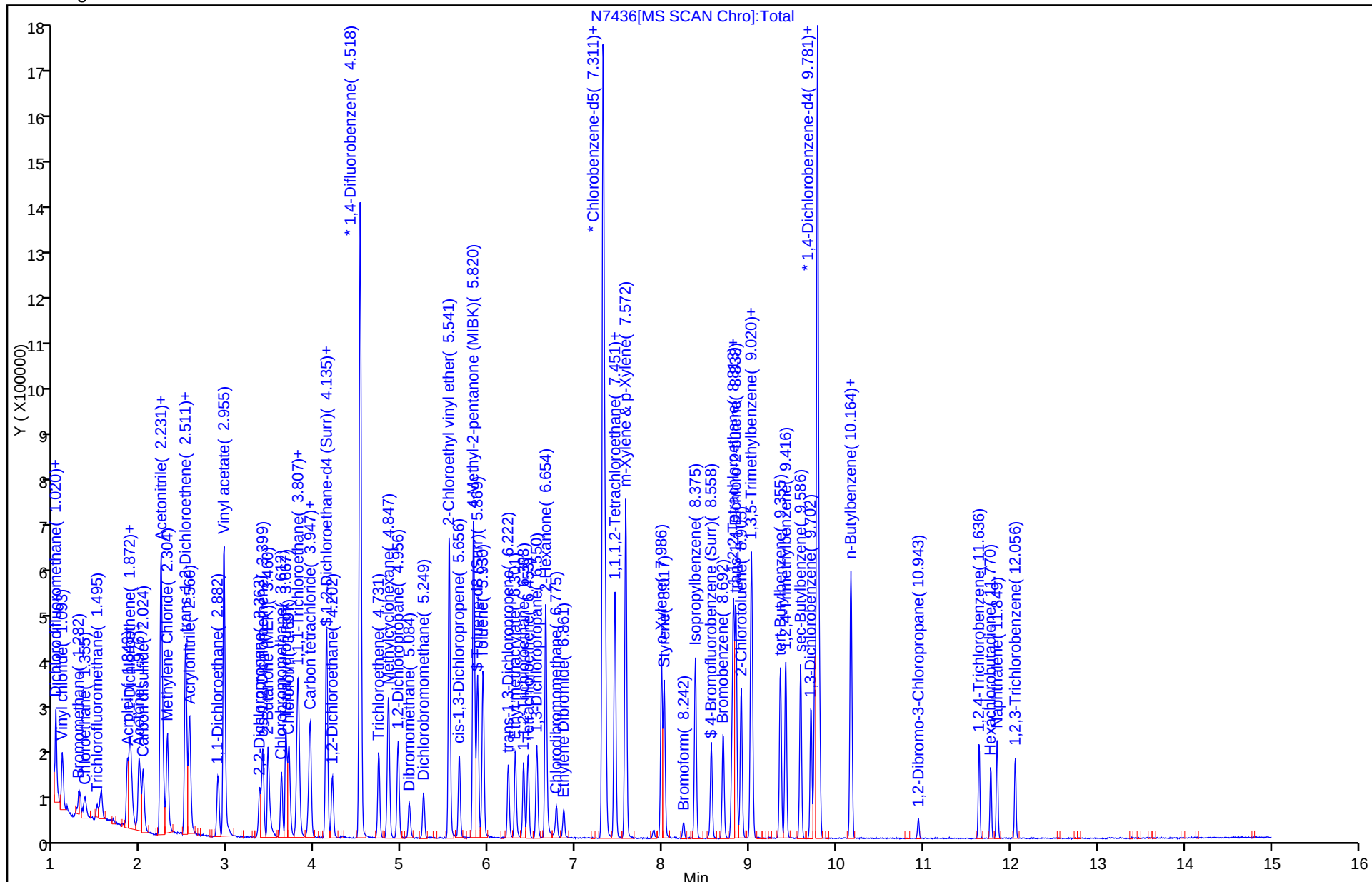
Lims Sample ID: 4

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20120508-11730.b\N7437.D
 Lims ID: IC 3 Client ID:
 Inject. Date: 08-May-2012 23:02:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: IC 3
 Misc. Info.: 480-0011730-005
 Operator: RAL Instrument ID: HP5973N
 Vol. Injected: 1.0000 ALS Bottle#: 47
 Lims Batch ID: 63571 Lims Sample ID: 5
 Sublist: chrom-N-8260*sub7
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20120508-11730.b\N-8260.m
 Last Update: 09-May-2012 09:19:58 Calib Date: 09-May-2012 04:33:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20120508-11730.b\N7451.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: HillL

Date: 09-May-2012 09:19:58

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.519	4.518	0.001	94	904337	25.0	
* 2 Chlorobenzene-d5	117	7.311	7.311	0.0	92	746647	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.781	9.781	0.0	89	377415	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.129	4.129	0.0	89	133435	9.30	
\$ 6 Toluene-d8 (Surr)	98	5.869	5.869	0.0	83	347623	9.19	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.558	8.558	0.0	83	98135	9.39	
11 Dichlorodifluoromethane	85	0.935	0.935	0.0	85	100457	9.34	
13 Chloromethane	50	1.021	1.020	0.001	89	221527	9.47	
14 Vinyl chloride	62	1.094	1.099	-0.005	84	151795	9.26	
15 Bromomethane	94	1.288	1.288	0.0	87	24873	10.5	
16 Chloroethane	64	1.355	1.361	-0.006	89	64783	9.21	
18 Trichlorofluoromethane	101	1.526	1.531	-0.005	94	92433	9.04	
20 Acrolein	56	1.842	1.842	0.0	93	202525	193.3	
22 1,1-Dichloroethene	96	1.872	1.872	0.0	84	85234	9.18	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	1.878	1.884	-0.006	80	79897	9.95	
23 Acetone	43	1.976	1.976	0.0	96	361099	50.2	
24 Iodomethane	142	1.994	1.994	0.0	95	139928	10.0	
25 Carbon disulfide	76	2.018	2.024	-0.006	99	306544	9.70	
29 Acetonitrile	40	2.225	2.225	0.0	100	710912	415.7	
28 Methyl acetate	43	2.231	2.231	0.0	99	312540	9.85	
30 Methylene Chloride	84	2.298	2.304	-0.006	80	115034	9.24	
33 trans-1,2-Dichloroethene	96	2.505	2.511	-0.006	84	103281	9.17	
32 Methyl tert-butyl ether	73	2.511	2.511	0.0	86	373716	10.0	
34 Acrylonitrile	53	2.554	2.553	0.001	97	381354	50.5	
36 1,1-Dichloroethane	63	2.882	2.882	0.0	85	254498	9.41	
39 Vinyl acetate	43	2.949	2.949	0.0	96	1935240	53.9	
42 2,2-Dichloropropane	77	3.363	3.363	0.0	77	92821	9.39	
43 cis-1,2-Dichloroethene	96	3.399	3.399	0.0	74	110803	9.34	
44 2-Butanone (MEK)	43	3.454	3.448	0.006	96	564892	49.8	
47 Chlorobromomethane	128	3.612	3.612	0.0	79	49984	9.20	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	3.655	3.649	0.007	91	382676	50.6	
50 Chloroform	83	3.703	3.703	0.0	94	177932	9.34	
51 1,1,1-Trichloroethane	97	3.801	3.795	0.006	82	130429	9.45	
52 Cyclohexane	56	3.807	3.807	0.0	93	295833	9.58	
53 Carbon tetrachloride	117	3.929	3.928	0.001	76	101448	8.78	
54 1,1-Dichloropropene	75	3.947	3.947	0.0	81	144935	9.24	
55 Benzene	78	4.135	4.135	0.0	95	440002	9.37	
57 1,2-Dichloroethane	62	4.196	4.202	-0.006	92	186965	9.45	
60 Trichloroethene	95	4.732	4.731	0.001	87	101353	9.28	
62 Methylcyclohexane	83	4.847	4.847	0.0	93	185607	9.74	
63 1,2-Dichloropropane	63	4.957	4.956	0.001	87	138119	9.48	
64 Dibromomethane	93	5.084	5.084	0.0	88	53907	9.03	
67 Dichlorobromomethane	83	5.249	5.248	0.001	91	105767	8.94	
69 2-Chloroethyl vinyl ether	63	5.541	5.541	0.001	85	490480	51.2	
71 cis-1,3-Dichloropropene	75	5.656	5.656	0.0	76	147326	9.07	
72 4-Methyl-2-pentanone (MIBK)	43	5.821	5.820	0.001	98	1142838	51.8	
73 Toluene	92	5.930	5.930	0.0	90	252654	9.21	
75 trans-1,3-Dichloropropene	75	6.222	6.222	0.0	85	131723	9.13	
77 Ethyl methacrylate	69	6.301	6.301	0.0	85	142263	9.75	
78 1,1,2-Trichloroethane	83	6.399	6.398	0.001	87	72451	9.41	
79 Tetrachloroethene	166	6.447	6.453	-0.006	85	98546	9.31	
80 1,3-Dichloropropane	76	6.551	6.550	0.001	87	156164	9.17	
82 2-Hexanone	43	6.648	6.648	0.0	97	792022	51.7	
83 Chlorodibromomethane	129	6.776	6.775	0.001	86	64642	9.48	
84 Ethylene Dibromide	107	6.861	6.861	0.0	97	87002	9.16	
85 Chlorobenzene	112	7.341	7.341	0.0	87	277904	9.30	
88 Ethylbenzene	91	7.451	7.451	0.0	98	478184	9.41	
89 1,1,1,2-Tetrachloroethane	131	7.451	7.451	0.0	80	83367	9.31	
90 m-Xylene & p-Xylene	106	7.573	7.572	0.001	98	378179	18.9	
91 o-Xylene	106	7.986	7.986	0.0	97	184859	9.44	
92 Styrene	104	8.017	8.017	0.0	93	291294	9.40	
93 Bromoform	173	8.236	8.236	0.0	92	33123	9.54	
95 Isopropylbenzene	105	8.376	8.375	0.001	96	480712	9.29	
97 Bromobenzene	156	8.698	8.692	0.006	95	107120	9.36	
98 1,1,2,2-Tetrachloroethane	83	8.795	8.795	0.0	94	114117	9.23	
99 1,2,3-Trichloropropane	110	8.808	8.807	0.001	76	36800	9.51	
100 N-Propylbenzene	91	8.814	8.813	0.001	97	571509	9.24	
101 trans-1,4-Dichloro-2-butene	53	8.844	8.844	0.0	73	287616	48.0	
102 2-Chlorotoluene	126	8.905	8.905	0.0	94	108422	9.29	
104 1,3,5-Trimethylbenzene	105	9.014	9.014	0.0	86	398528	9.54	
105 4-Chlorotoluene	91	9.027	9.026	0.001	99	393351	9.35	
106 tert-Butylbenzene	134	9.355	9.355	0.0	94	82322	9.75	
108 1,2,4-Trimethylbenzene	105	9.416	9.416	0.0	91	391263	9.39	
109 sec-Butylbenzene	105	9.586	9.586	0.0	95	491647	9.43	
110 1,3-Dichlorobenzene	146	9.708	9.702	0.006	95	201996	9.12	
111 4-Isopropyltoluene	119	9.751	9.750	0.001	89	391221	9.49	
113 1,4-Dichlorobenzene	146	9.805	9.799	0.006	92	214369	9.39	
115 n-Butylbenzene	91	10.158	10.158	0.0	95	372123	9.70	
116 1,2-Dichlorobenzene	146	10.170	10.170	0.0	93	193803	9.47	
117 1,2-Dibromo-3-Chloropropane	75	10.937	10.937	0.0	46	14038	9.56	
119 1,2,4-Trichlorobenzene	180	11.636	11.636	0.0	93	100855	10.2	
120 Hexachlorobutadiene	225	11.776	11.770	0.006	95	49322	9.64	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	11.843	11.843	0.0	96	270604	9.91	
122 1,2,3-Trichlorobenzene	180	12.056	12.056	0.0	93	84502	10.3	
S 123 1,3-Dichloropropene, Total	1				0		18.2	
S 124 1,2-Dichloroethene, Total	1				0		18.5	
S 125 Total BTEX	1				0		56.3	
S 126 Xylenes, Total	1				0		28.3	

Chrom Revision: 2.0 20-Feb-2012 13:27:02

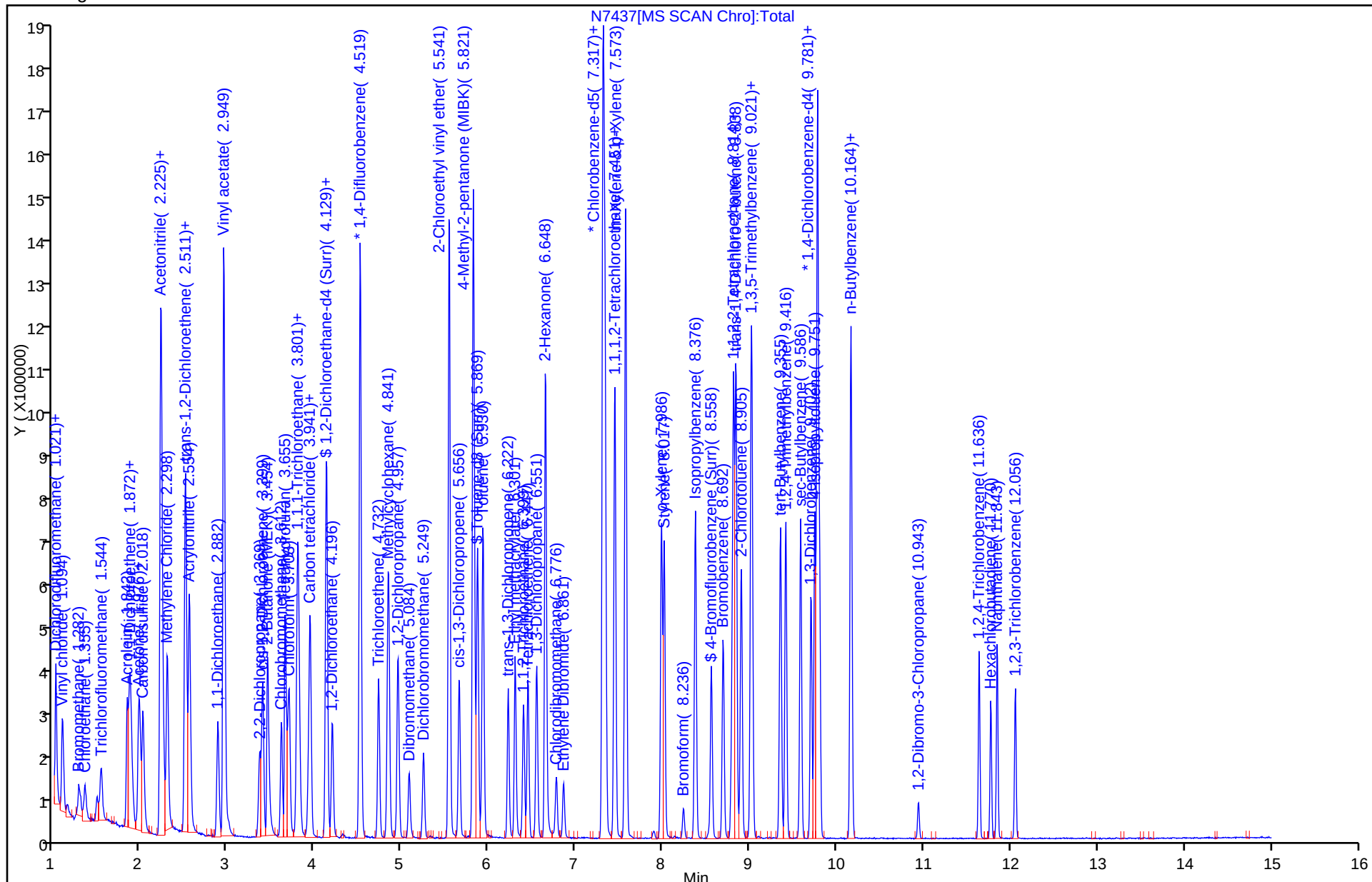
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Limit Group: MV - 8260B ICAL

Instrument ID: HP5973N

Lims Sample ID: 5

Column Dia: 0.25 mm



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20120508-11730.b\N7438.D
 Lims ID: ICIS 4 Client ID:
 Inject. Date: 08-May-2012 23:26:30 Dil. Factor: 1.0000
 Sample Type: ICIS Calib Level: 4
 Sample ID: ICIS 4
 Misc. Info.: 480-0011730-006
 Operator: RAL Instrument ID: HP5973N
 Vol. Injected: 1.0000 ALS Bottle#: 48
 Lims Batch ID: 63571 Lims Sample ID: 6
 Sublist: chrom-N-8260*sub7
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20120508-11730.b\N-8260.m
 Last Update: 09-May-2012 09:20:04 Calib Date: 09-May-2012 04:33:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20120508-11730.b\N7451.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: HillL

Date: 09-May-2012 09:20:04

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.518	4.518	0.0	94	923535	25.0	
* 2 Chlorobenzene-d5	117	7.311	7.311	0.0	92	759341	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.781	9.781	0.0	74	378515	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.129	4.129	0.0	93	388500	26.5	
\$ 6 Toluene-d8 (Surr)	98	5.869	5.869	0.0	83	1062412	27.6	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.558	8.558	0.0	85	292078	27.5	
11 Dichlorodifluoromethane	85	0.935	0.935	0.0	86	279641	25.5	
13 Chloromethane	50	1.020	1.020	0.0	89	601360	25.2	
14 Vinyl chloride	62	1.099	1.099	0.0	83	426742	25.5	
15 Bromomethane	94	1.288	1.288	0.0	91	64716	27.6	
16 Chloroethane	64	1.361	1.361	0.0	90	177034	24.7	
18 Trichlorofluoromethane	101	1.531	1.531	0.0	83	278235	26.7	
20 Acrolein	56	1.842	1.842	0.0	93	526723	492.4	
22 1,1-Dichloroethene	96	1.872	1.872	0.0	84	242050	25.5	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.884	1.884	0.0	78	210241	25.6	
23 Acetone	43	1.976	1.976	0.0	97	878067	119.6	
24 Iodomethane	142	1.994	1.994	0.0	96	348329	24.4	
25 Carbon disulfide	76	2.024	2.024	0.0	99	810852	25.1	
29 Acetonitrile	40	2.225	2.225	0.0	99	1686652	965.7	
28 Methyl acetate	43	2.231	2.231	0.0	99	780442	24.1	
30 Methylene Chloride	84	2.304	2.304	0.0	78	314034	24.7	
33 trans-1,2-Dichloroethene	96	2.511	2.511	0.0	80	290421	25.3	
32 Methyl tert-butyl ether	73	2.511	2.511	0.0	86	924630	24.3	
34 Acrylonitrile	53	2.553	2.553	0.0	97	931385	120.8	
36 1,1-Dichloroethane	63	2.882	2.882	0.0	85	702752	25.5	
39 Vinyl acetate	43	2.949	2.949	0.0	97	4822239	131.6	
42 2,2-Dichloropropane	77	3.363	3.363	0.0	79	255285	25.3	
43 cis-1,2-Dichloroethene	96	3.399	3.399	0.0	75	308886	25.5	
44 2-Butanone (MEK)	43	3.448	3.448	0.0	95	1400775	121.0	
47 Chlorobromomethane	128	3.612	3.612	0.0	77	138708	25.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	3.649	3.649	0.0	91	945515	122.4	
50 Chloroform	83	3.703	3.703	0.0	78	488892	25.1	
51 1,1,1-Trichloroethane	97	3.795	3.795	0.0	84	369221	26.2	
52 Cyclohexane	56	3.807	3.807	0.0	94	791414	25.1	
53 Carbon tetrachloride	117	3.928	3.928	0.0	80	307267	26.0	
54 1,1-Dichloropropene	75	3.947	3.947	0.0	80	408699	25.5	
55 Benzene	78	4.135	4.135	0.0	95	1210441	25.2	
57 1,2-Dichloroethane	62	4.202	4.202	0.0	89	512879	25.4	
60 Trichloroethene	95	4.731	4.731	0.0	92	281460	25.2	
62 Methylcyclohexane	83	4.847	4.847	0.0	93	499115	25.6	
63 1,2-Dichloropropane	63	4.956	4.956	0.0	86	379169	25.5	
64 Dibromomethane	93	5.084	5.084	0.0	93	154648	25.4	
67 Dichlorobromomethane	83	5.248	5.248	0.0	85	317534	26.3	
69 2-Chloroethyl vinyl ether	63	5.541	5.541	0.0	84	1230287	125.7	
71 cis-1,3-Dichloropropene	75	5.656	5.656	0.0	76	434192	26.2	
72 4-Methyl-2-pentanone (MIBK)	43	5.820	5.820	0.0	98	2805119	125.1	
73 Toluene	92	5.930	5.930	0.0	90	713603	25.6	
75 trans-1,3-Dichloropropene	75	6.222	6.222	0.0	85	382879	26.1	
77 Ethyl methacrylate	69	6.301	6.301	0.0	87	366966	24.7	
78 1,1,2-Trichloroethane	83	6.398	6.398	0.0	88	202779	25.9	
79 Tetrachloroethene	166	6.453	6.453	0.0	86	278640	25.9	
80 1,3-Dichloropropane	76	6.550	6.550	0.0	88	434921	25.1	
82 2-Hexanone	43	6.648	6.648	0.0	98	1972112	126.6	
83 Chlorodibromomethane	129	6.775	6.775	0.0	87	206291	23.3	
84 Ethylene Dibromide	107	6.861	6.861	0.0	97	241740	25.0	
85 Chlorobenzene	112	7.341	7.341	0.0	87	761298	25.1	
88 Ethylbenzene	91	7.451	7.451	0.0	98	1333081	25.8	
89 1,1,1,2-Tetrachloroethane	131	7.451	7.451	0.0	84	238775	26.2	
90 m-Xylene & p-Xylene	106	7.572	7.572	0.0	98	1056157	51.9	
91 o-Xylene	106	7.986	7.986	0.0	98	510044	25.6	
92 Styrene	104	8.017	8.017	0.0	93	819423	26.0	
93 Bromoform	173	8.236	8.236	0.0	95	108291	22.7	
95 Isopropylbenzene	105	8.375	8.375	0.0	97	1320886	25.5	
97 Bromobenzene	156	8.692	8.692	0.0	95	293651	25.6	
98 1,1,2,2-Tetrachloroethane	83	8.795	8.795	0.0	87	320974	25.9	
99 1,2,3-Trichloropropane	110	8.807	8.807	0.0	77	99069	25.5	
100 N-Propylbenzene	91	8.813	8.813	0.0	96	1610783	26.0	
101 trans-1,4-Dichloro-2-butene	53	8.844	8.844	0.0	82	760707	126.7	
102 2-Chlorotoluene	126	8.905	8.905	0.0	94	295676	25.3	
104 1,3,5-Trimethylbenzene	105	9.014	9.014	0.0	85	1106458	26.4	
105 4-Chlorotoluene	91	9.026	9.026	0.0	98	1079041	25.6	
106 tert-Butylbenzene	134	9.355	9.355	0.0	94	224970	26.6	
108 1,2,4-Trimethylbenzene	105	9.416	9.416	0.0	92	1094357	26.2	
109 sec-Butylbenzene	105	9.586	9.586	0.0	95	1372557	26.3	
110 1,3-Dichlorobenzene	146	9.702	9.702	0.0	95	575089	25.9	
111 4-Isopropyltoluene	119	9.750	9.750	0.0	88	1104580	26.7	
113 1,4-Dichlorobenzene	146	9.799	9.799	0.0	90	591551	25.8	
115 n-Butylbenzene	91	10.158	10.158	0.0	95	1049083	27.3	
116 1,2-Dichlorobenzene	146	10.170	10.170	0.0	94	538659	26.3	
117 1,2-Dibromo-3-Chloropropane	75	10.937	10.937	0.0	62	40295	26.6	
119 1,2,4-Trichlorobenzene	180	11.636	11.636	0.0	93	276601	27.8	
120 Hexachlorobutadiene	225	11.770	11.770	0.0	95	128842	27.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	11.843	11.843	0.0	97	754229	27.6	
122 1,2,3-Trichlorobenzene	180	12.056	12.056	0.0	94	222315	27.0	
S 123 1,3-Dichloropropene, Total	1				0		52.3	
S 124 1,2-Dichloroethene, Total	1				0		50.8	
S 125 Total BTEX	1				0		154.1	
S 126 Xylenes, Total	1				0		77.5	

Report Date: 09-May-2012 09:20:05

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973N\20120508-11730.b\N7438.D

Injection Date: 08-May-2012 23:26:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 63571

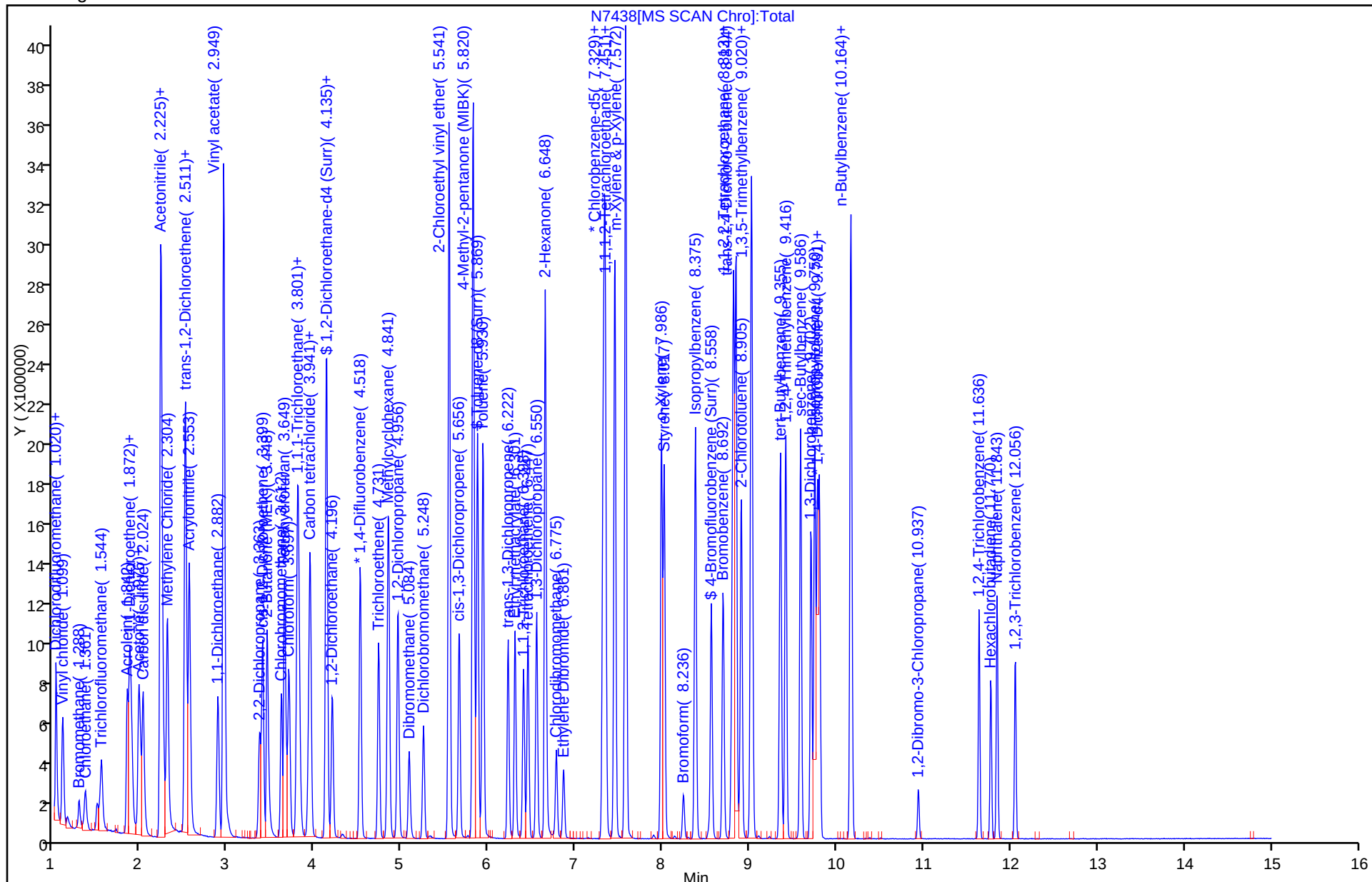
Lims Sample ID: 6

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20120508-11730.b\N7439.D
 Lims ID: IC 5 Client ID:
 Inject. Date: 08-May-2012 23:50:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: IC 5
 Misc. Info.: 480-0011730-007
 Operator: RAL Instrument ID: HP5973N
 Vol. Injected: 1.0000 ALS Bottle#: 49
 Lims Batch ID: 63571 Lims Sample ID: 7
 Sublist: chrom-N-8260*sub7
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20120508-11730.b\N-8260.m
 Last Update: 09-May-2012 09:20:11 Calib Date: 09-May-2012 04:33:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20120508-11730.b\N7451.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: HillL

Date: 09-May-2012 09:20:11

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.519	4.518	0.001	95	918073	25.0	
* 2 Chlorobenzene-d5	117	7.311	7.311	0.0	91	750504	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.781	9.781	0.0	83	368698	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.129	4.129	0.0	97	751909	51.6	
\$ 6 Toluene-d8 (Surr)	98	5.869	5.869	0.0	83	2016771	53.0	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.558	8.558	0.0	84	545161	51.9	
11 Dichlorodifluoromethane	85	0.935	0.935	0.0	86	549804	50.4	
13 Chloromethane	50	1.027	1.020	0.007	89	1145013	48.2	
14 Vinyl chloride	62	1.106	1.099	0.007	84	817935	49.2	
15 Bromomethane	94	1.288	1.288	0.0	91	121370	48.4	
16 Chloroethane	64	1.361	1.361	0.0	92	355942	49.9	
18 Trichlorofluoromethane	101	1.538	1.531	0.007	84	554992	53.5	
20 Acrolein	56	1.842	1.842	0.0	96	1136783	1069.0	
22 1,1-Dichloroethene	96	1.872	1.872	0.0	84	469467	49.8	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.890	1.884	0.006	79	444140	54.5	
23 Acetone	43	1.976	1.976	0.0	96	1837053	251.7	
24 Iodomethane	142	1.994	1.994	0.0	97	725585	51.1	
25 Carbon disulfide	76	2.024	2.024	0.0	99	1729642	53.9	
29 Acetonitrile	40	2.225	2.225	0.0	100	3672192	2115.1	
28 Methyl acetate	43	2.231	2.231	0.0	97	1638424	50.9	
30 Methylene Chloride	84	2.304	2.304	0.0	78	598645	47.4	
33 trans-1,2-Dichloroethene	96	2.511	2.511	0.0	75	566461	49.5	
32 Methyl tert-butyl ether	73	2.511	2.511	0.0	86	1951545	51.7	
34 Acrylonitrile	53	2.554	2.553	0.001	97	1992578	260.0	
36 1,1-Dichloroethane	63	2.888	2.882	0.006	85	1369239	49.9	
39 Vinyl acetate	43	2.949	2.949	0.0	97	9518755	261.3	
42 2,2-Dichloropropane	77	3.363	3.363	0.0	80	500639	49.9	
43 cis-1,2-Dichloroethene	96	3.399	3.399	0.0	75	601670	50.0	
44 2-Butanone (MEK)	43	3.448	3.448	0.0	96	2976255	258.6	
47 Chlorobromomethane	128	3.618	3.612	0.006	81	276265	50.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	3.642	3.649	-0.006	90	2021887	263.2	
50 Chloroform	83	3.703	3.703	0.0	82	961961	49.7	
51 1,1,1-Trichloroethane	97	3.801	3.795	0.006	86	734328	52.4	
52 Cyclohexane	56	3.807	3.807	0.0	94	1683755	53.7	
53 Carbon tetrachloride	117	3.928	3.928	0.0	81	634862	54.1	
54 1,1-Dichloropropene	75	3.947	3.947	0.0	80	811839	51.0	
55 Benzene	78	4.135	4.135	0.0	96	2345222	49.2	
57 1,2-Dichloroethane	62	4.196	4.202	-0.006	88	1014266	50.5	
60 Trichloroethene	95	4.731	4.731	0.0	89	551443	49.7	
62 Methylcyclohexane	83	4.847	4.847	0.0	93	1054178	54.5	
63 1,2-Dichloropropane	63	4.957	4.956	0.001	87	741869	50.1	
64 Dibromomethane	93	5.084	5.084	0.0	88	304507	50.3	
67 Dichlorobromomethane	83	5.249	5.248	0.001	85	649198	54.1	
69 2-Chloroethyl vinyl ether	63	5.541	5.541	0.001	84	2612292	268.5	
71 cis-1,3-Dichloropropene	75	5.656	5.656	0.0	77	876633	53.2	
72 4-Methyl-2-pentanone (MIBK)	43	5.814	5.820	-0.006	99	5730390	258.6	
73 Toluene	92	5.936	5.930	0.006	90	1400863	50.8	
75 trans-1,3-Dichloropropene	75	6.222	6.222	0.0	91	776338	53.5	
77 Ethyl methacrylate	69	6.301	6.301	0.0	87	794699	54.2	
78 1,1,2-Trichloroethane	83	6.398	6.398	0.0	88	393266	50.8	
79 Tetrachloroethene	166	6.447	6.453	-0.006	85	529385	49.7	
80 1,3-Dichloropropane	76	6.550	6.550	0.0	87	854576	49.9	
82 2-Hexanone	43	6.648	6.648	0.0	98	4052191	263.2	
83 Chlorodibromomethane	129	6.776	6.775	0.001	85	430616	45.8	
84 Ethylene Dibromide	107	6.861	6.861	0.0	98	484805	50.8	
85 Chlorobenzene	112	7.341	7.341	0.0	87	1473447	49.1	
88 Ethylbenzene	91	7.451	7.451	0.0	98	2560132	50.1	
89 1,1,1,2-Tetrachloroethane	131	7.445	7.451	-0.006	85	484914	53.9	
90 m-Xylene & p-Xylene	106	7.572	7.572	0.0	98	2009559	99.9	
91 o-Xylene	106	7.986	7.986	0.0	97	980778	49.8	
92 Styrene	104	8.017	8.017	0.0	93	1572575	50.5	
93 Bromoform	173	8.236	8.236	0.0	95	235431	45.5	
95 Isopropylbenzene	105	8.376	8.375	0.001	97	2507924	49.6	
97 Bromobenzene	156	8.698	8.692	0.006	95	555661	49.7	
98 1,1,2,2-Tetrachloroethane	83	8.795	8.795	0.0	87	609155	50.4	
99 1,2,3-Trichloropropane	110	8.807	8.807	0.0	84	181241	47.9	
100 N-Propylbenzene	91	8.814	8.813	0.001	96	3061062	50.7	
101 trans-1,4-Dichloro-2-butene	53	8.844	8.844	0.0	84	1616780	276.4	
102 2-Chlorotoluene	126	8.905	8.905	0.0	94	558807	49.0	
104 1,3,5-Trimethylbenzene	105	9.014	9.014	0.0	89	2052135	50.3	
105 4-Chlorotoluene	91	9.026	9.026	0.0	98	2052406	49.9	
106 tert-Butylbenzene	134	9.355	9.355	0.0	90	414205	50.2	
108 1,2,4-Trimethylbenzene	105	9.416	9.416	0.0	92	2013711	49.5	
109 sec-Butylbenzene	105	9.586	9.586	0.0	95	2536496	49.8	
110 1,3-Dichlorobenzene	146	9.708	9.702	0.006	96	1054946	48.7	
111 4-Isopropyltoluene	119	9.750	9.750	0.0	89	2031333	50.5	
113 1,4-Dichlorobenzene	146	9.805	9.799	0.006	87	1088286	48.8	
115 n-Butylbenzene	91	10.158	10.158	0.0	94	1858665	49.6	
116 1,2-Dichlorobenzene	146	10.170	10.170	0.0	94	963890	48.2	
117 1,2-Dibromo-3-Chloropropane	75	10.943	10.937	0.006	67	73261	49.4	
119 1,2,4-Trichlorobenzene	180	11.636	11.636	0.0	92	443154	45.7	
120 Hexachlorobutadiene	225	11.776	11.770	0.006	94	202602	48.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	11.843	11.843	0.0	97	1225970	46.0	
122 1,2,3-Trichlorobenzene	180	12.056	12.056	0.0	94	357782	44.6	
S 123 1,3-Dichloropropene, Total	1				0		106.7	
S 124 1,2-Dichloroethene, Total	1				0		99.5	
S 125 Total BTEX	1				0		299.8	
S 126 Xylenes, Total	1				0		149.8	

Report Date: 09-May-2012 09:20:11

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973N\20120508-11730.b\N7439.D

Injection Date: 08-May-2012 23:50:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 63571

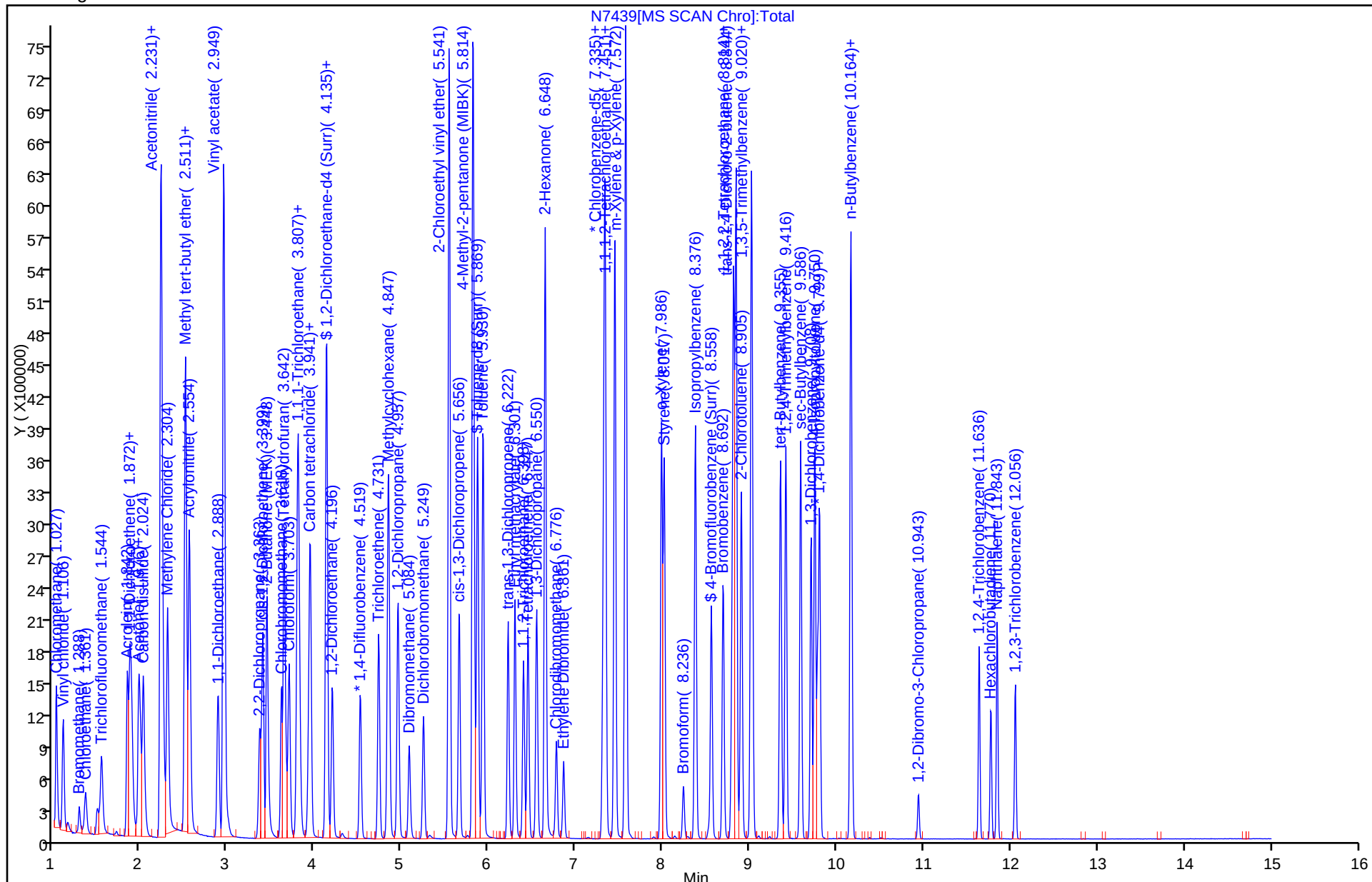
Lims Sample ID: 7

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20120508-11730.b\N7440.D
 Lims ID: IC 6 Client ID:
 Inject. Date: 09-May-2012 00:14:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: IC 6
 Misc. Info.: 480-0011730-008
 Operator: RAL Instrument ID: HP5973N
 Vol. Injected: 1.0000 ALS Bottle#: 50
 Lims Batch ID: 63571 Lims Sample ID: 8
 Sublist: chrom-N-8260*sub7
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20120508-11730.b\N-8260.m
 Last Update: 09-May-2012 09:20:17 Calib Date: 09-May-2012 04:33:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20120508-11730.b\N7451.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: HillL

Date: 09-May-2012 09:20:17

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.518	4.518	0.0	94	924582	25.0	
* 2 Chlorobenzene-d5	117	7.311	7.311	0.0	92	763309	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.781	9.781	0.0	66	345765	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.129	4.129	0.0	94	1571873	107.2	
\$ 6 Toluene-d8 (Surr)	98	5.869	5.869	0.0	84	4199238	108.6	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.558	8.558	0.0	84	1128245	105.6	
11 Dichlorodifluoromethane	85	0.935	0.935	0.0	87	1194060	108.6	
13 Chloromethane	50	1.026	1.020	0.006	89	2344599	98.0	
14 Vinyl chloride	62	1.106	1.099	0.007	83	1656508	98.9	
15 Bromomethane	94	1.288	1.288	0.0	90	310507	100.2	
16 Chloroethane	64	1.361	1.361	0.0	91	736458	102.5	
18 Trichlorofluoromethane	101	1.537	1.531	0.006	84	1227777	117.5	
20 Acrolein	56	1.836	1.842	-0.006	95	2296185	2144.1	
22 1,1-Dichloroethene	96	1.872	1.872	0.0	84	1001107	105.5	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.884	1.884	0.0	79	908073	110.6	
23 Acetone	43	1.969	1.976	-0.007	97	3784880	515.0	
24 Iodomethane	142	1.994	1.994	0.0	97	1514392	105.8	
25 Carbon disulfide	76	2.024	2.024	0.0	98	3620195	112.0	
29 Acetonitrile	40	2.225	2.225	0.0	96	7389807	4226.5	
28 Methyl acetate	43	2.225	2.231	-0.006	49	3387423	104.4	
30 Methylene Chloride	84	2.304	2.304	0.0	79	1300300	102.2	
33 trans-1,2-Dichloroethene	96	2.505	2.511	-0.006	74	1240240	107.7	
32 Methyl tert-butyl ether	73	2.505	2.511	-0.006	86	4063173	106.8	
34 Acrylonitrile	53	2.553	2.553	0.0	96	4043333	524.0	
36 1,1-Dichloroethane	63	2.882	2.882	0.0	85	2948035	106.7	
39 Vinyl acetate	43	2.949	2.949	0.0	99	15305778	417.2	
42 2,2-Dichloropropane	77	3.363	3.363	0.0	81	1042230	103.1	
43 cis-1,2-Dichloroethene	96	3.399	3.399	0.0	76	1302999	107.5	
44 2-Butanone (MEK)	43	3.442	3.448	-0.006	96	6047233	521.8	
47 Chlorobromomethane	128	3.612	3.612	0.0	81	590920	106.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	3.636	3.649	-0.012	91	4144489	535.7	
50 Chloroform	83	3.703	3.703	0.0	78	2073980	106.4	
51 1,1,1-Trichloroethane	97	3.795	3.795	-0.001	87	1603900	113.6	
52 Cyclohexane	56	3.807	3.807	0.0	94	3502859	111.0	
53 Carbon tetrachloride	117	3.928	3.928	0.0	79	1451091	122.8	
54 1,1-Dichloropropene	75	3.947	3.947	0.0	81	1741497	108.6	
55 Benzene	78	4.135	4.135	0.0	95	4928068	102.6	
57 1,2-Dichloroethane	62	4.196	4.202	-0.006	89	2174554	107.5	
60 Trichloroethene	95	4.731	4.731	0.0	89	1191312	106.7	
62 Methylcyclohexane	83	4.847	4.847	0.0	93	2173231	111.5	
63 1,2-Dichloropropane	63	4.956	4.956	0.0	89	1607700	107.9	
64 Dibromomethane	93	5.084	5.084	0.0	92	660440	108.2	
67 Dichlorobromomethane	83	5.248	5.248	0.0	88	1466567	121.3	
69 2-Chloroethyl vinyl ether	63	5.547	5.541	0.007	84	5295856	540.4	
71 cis-1,3-Dichloropropene	75	5.656	5.656	0.0	77	1940323	116.9	
72 4-Methyl-2-pentanone (MIBK)	43	5.820	5.820	0.0	96	10488097	465.4	
73 Toluene	92	5.936	5.930	0.006	90	3013338	107.4	
75 trans-1,3-Dichloropropene	75	6.222	6.222	0.0	86	1749690	118.7	
77 Ethyl methacrylate	69	6.301	6.301	0.0	87	1668207	111.8	
78 1,1,2-Trichloroethane	83	6.398	6.398	0.0	95	851867	108.2	
79 Tetrachloroethene	166	6.453	6.453	0.0	85	1174512	108.5	
80 1,3-Dichloropropane	76	6.550	6.550	0.0	88	1858864	106.8	
82 2-Hexanone	43	6.648	6.648	0.0	98	7803575	498.4	
83 Chlorodibromomethane	129	6.775	6.775	0.0	86	1017663	102.5	
84 Ethylene Dibromide	107	6.861	6.861	0.0	98	1044804	107.6	
85 Chlorobenzene	112	7.341	7.341	0.0	88	3166940	103.7	
88 Ethylbenzene	91	7.451	7.451	0.0	97	5381622	103.6	
89 1,1,1,2-Tetrachloroethane	131	7.451	7.451	0.0	85	1048493	114.5	
90 m-Xylene & p-Xylene	106	7.578	7.572	0.006	96	4319516	211.2	
91 o-Xylene	106	7.986	7.986	0.0	97	2047155	102.3	
92 Styrene	104	8.017	8.017	0.0	93	3389858	107.0	
93 Bromoform	173	8.242	8.236	0.006	96	566556	102.8	
95 Isopropylbenzene	105	8.375	8.375	0.0	97	5213267	110.0	
97 Bromobenzene	156	8.698	8.692	0.006	95	1181738	112.7	
98 1,1,2,2-Tetrachloroethane	83	8.795	8.795	0.0	88	1228537	108.4	
99 1,2,3-Trichloropropane	110	8.813	8.807	0.006	82	376241	106.1	
100 N-Propylbenzene	91	8.820	8.813	0.007	95	6210032	109.6	
101 trans-1,4-Dichloro-2-butene	53	8.844	8.844	0.0	84	3281454	598.2	
102 2-Chlorotoluene	126	8.905	8.905	0.0	94	1154407	108.0	
104 1,3,5-Trimethylbenzene	105	9.014	9.014	0.0	89	4018751	105.0	
105 4-Chlorotoluene	91	9.026	9.026	0.0	98	4160548	107.9	
106 tert-Butylbenzene	134	9.355	9.355	0.0	90	819466	105.9	
108 1,2,4-Trimethylbenzene	105	9.416	9.416	0.0	92	3943815	103.3	
109 sec-Butylbenzene	105	9.586	9.586	0.0	95	4786380	100.2	
110 1,3-Dichlorobenzene	146	9.708	9.702	0.006	97	2087961	102.9	
111 4-Isopropyltoluene	119	9.750	9.750	0.0	86	3815027	101.1	
113 1,4-Dichlorobenzene	146	9.805	9.799	0.006	92	2166488	103.5	
115 n-Butylbenzene	91	10.158	10.158	0.0	94	3417127	97.2	
116 1,2-Dichlorobenzene	146	10.170	10.170	0.0	90	1799044	96.0	
117 1,2-Dibromo-3-Chloropropane	75	10.937	10.937	0.0	69	138960	99.5	
119 1,2,4-Trichlorobenzene	180	11.642	11.636	0.006	91	768026	84.4	
120 Hexachlorobutadiene	225	11.776	11.770	0.006	94	297848	100.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	11.843	11.843	0.0	97	2282397	91.3	
122 1,2,3-Trichlorobenzene	180	12.056	12.056	0.0	93	636014	84.6	
S 123 1,3-Dichloropropene, Total	1				0		235.5	
S 124 1,2-Dichloroethene, Total	1				0		215.2	
S 125 Total BTEX	1				0		627.0	
S 126 Xylenes, Total	1				0		313.5	

Report Date: 09-May-2012 09:20:17

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973N\20120508-11730.b\N7440.D

Injection Date: 09-May-2012 00:14:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 63571

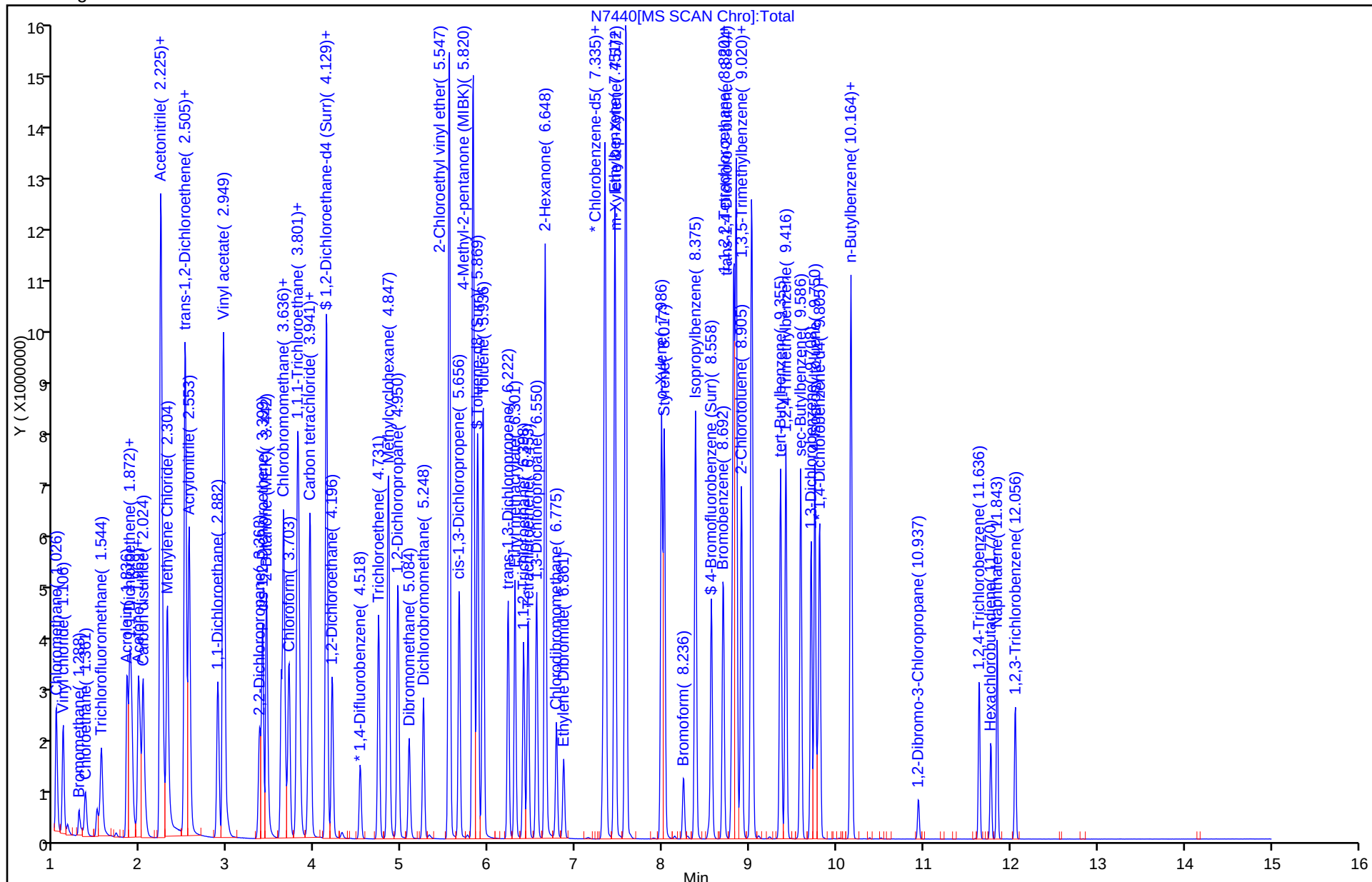
Lims Sample ID: 8

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



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

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1 Analy Batch No.: 59786

SDG No.: _____

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/16/2012 14:25 Calibration End Date: 04/16/2012 17:35 Calibration ID: 7887

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-59786/16	T7052.D
Level 2	IC 480-59786/3	T7044.D
Level 3	IC 480-59786/4	T7045.D
Level 4	ICIS 480-59786/5	T7046.D
Level 5	IC 480-59786/6	T7047.D
Level 6	IC 480-59786/7	T7048.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								
Dichlorodifluoromethane	0.2771 0.3069	0.3278	0.4143	0.3057	0.3158	Ave		0.3246				14.0		15.0			
Chloromethane	0.4850 0.4556	0.5279	0.6084	0.4492	0.4773	Ave		0.5006			0.1000	12.0		15.0			
Vinyl chloride	0.4313 0.4077	0.4699	0.5618	0.4116	0.4332	Ave		0.4526				13.0		30.0			
Bromomethane	0.1999 0.1324	0.1529	0.1671	0.1298	0.1381	Lin1F		0.1362							0.9940		0.9900
Chloroethane	0.3120 0.2095	0.2370	0.2680	0.2096	0.2179	Lin1F		0.2160							0.9940		0.9900
Trichlorofluoromethane	0.2999 0.3732	0.3851	0.4577	0.3581	0.3803	Ave		0.3757				14.0		15.0			
Acrolein	0.0406 0.0367	0.0366	0.0427	0.0333	0.0365	Ave		0.0377				8.9		15.0			
1,1-Dichloroethene	0.2751 0.2756	0.3120	0.3523	0.2752	0.2815	Ave		0.2953				11.0		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2640 0.2577	0.3056	0.3121	0.2751	0.2693	Ave		0.2806				8.1		15.0			
Acetone	0.1576 0.1400	0.1535	0.1684	0.1368	0.1444	Ave		0.1501				8.0		15.0			
Iodomethane	0.3588 0.3562	0.4084	0.4503	0.3592	0.3680	Ave		0.3835				9.9		15.0			
Carbon disulfide	0.8951 0.8624	0.9722	1.0703	0.8404	0.8770	Ave		0.9196				9.4		15.0			
Methyl acetate	0.5494 0.4932	0.5480	0.6056	0.4840	0.5119	Ave		0.5320				8.5		15.0			
Acetonitrile	0.0394 0.0327	0.0358	0.0402	0.0327	0.0341	Ave		0.0358				9.2		15.0			
Methylene Chloride	0.4281 0.3259	0.3860	0.4134	0.3260	0.3402	Ave		0.3699				12.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1 Analy Batch No.: 59786

SDG No.: _____

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/16/2012 14:25 Calibration End Date: 04/16/2012 17:35 Calibration ID: 7887

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								
trans-1,2-Dichloroethene	0.3517 0.3237	0.3514	0.4122	0.3124	0.3336	Ave		0.3475				10.0		15.0			
Methyl tert-butyl ether	1.0768 1.0547	1.1627	1.2785	1.0316	1.0728	Ave		1.1129				8.3		15.0			
Acrylonitrile	0.1627 0.1699	0.1791	0.2079	0.1651	0.1759	Ave		0.1768				9.3		15.0			
1,1-Dichloroethane	0.6538 0.6280	0.7092	0.8228	0.6064	0.6447	Ave		0.6775			0.1000	12.0		15.0			
Vinyl acetate	0.8149 0.9303	0.8774	1.0361	0.8763	0.9364	Ave		0.9119				8.2		15.0			
2,2-Dichloropropane	0.3393 0.3021	0.3810	0.4413	0.3224	0.3237	Ave		0.3516				15.0		15.0			
cis-1,2-Dichloroethene	0.3866 0.3552	0.4046	0.4579	0.3432	0.3740	Ave		0.3869				11.0		15.0			
2-Butanone (MEK)	0.2692 0.2453	0.2615	0.2990	0.2437	0.2550	Ave		0.2623				7.8		15.0			
Bromochloromethane	0.1834 0.1784	0.1926	0.2318	0.1774	0.1854	Ave		0.1915				11.0		15.0			
Tetrahydrofuran	0.1647 0.1565	0.1738	0.1987	0.1577	0.1618	Ave		0.1689				9.4		15.0			
Chloroform	0.6062 0.5858	0.6459	0.7611	0.5746	0.6034	Ave		0.6295				11.0		30.0			
1,1,1-Trichloroethane	0.4438 0.4568	0.5122	0.6055	0.4523	0.4708	Ave		0.4902				13.0		15.0			
Cyclohexane	0.6444 0.6239	0.7287	0.7667	0.6257	0.6400	Ave		0.6716				9.0		15.0			
Carbon tetrachloride	0.3981 0.4117	0.4009	0.4791	0.3702	0.4020	Ave		0.4103				8.9		15.0			
1,1-Dichloropropene	0.4810 0.4597	0.5169	0.6119	0.4492	0.4796	Ave		0.4997				12.0		15.0			
Benzene	1.3596 1.3297	1.4716	1.6965	1.2874	1.3598	Ave		1.4174				11.0		15.0			
1,2-Dichloroethane	0.5452 0.4955	0.5604	0.6532	0.5032	0.5149	Ave		0.5454				11.0		15.0			
Trichloroethene	0.3693 0.3427	0.3904	0.4356	0.3440	0.3589	Ave		0.3735				9.4		15.0			
Methylcyclohexane	0.5000 0.5881	0.6559	0.6965	0.5760	0.5906	Ave		0.6012				11.0		15.0			
1,2-Dichloropropane	0.3593 0.3742	0.3908	0.4794	0.3625	0.3803	Ave		0.3911				11.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1 Analy Batch No.: 59786

SDG No.: _____

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/16/2012 14:25 Calibration End Date: 04/16/2012 17:35 Calibration ID: 7887

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								
Dibromomethane	0.2303 0.2219	0.2433	0.2864	0.2223	0.2339	Ave		0.2397				10.0		15.0			
Bromodichloromethane	0.3744 0.4475	0.4441	0.5170	0.4076	0.4442	Ave		0.4391				11.0		15.0			
2-Chloroethyl vinyl ether	0.2915 0.3093	0.3188	0.3653	0.2934	0.3073	Ave		0.3142				8.6		15.0			
cis-1,3-Dichloropropene	0.5664 0.5638	0.5727	0.7009	0.5380	0.5813	Ave		0.5872				9.8		15.0			
4-Methyl-2-pentanone (MIBK)	0.6130 0.5788	0.6010	0.7031	0.5834	0.5875	Ave		0.6111				7.7		15.0			
Toluene	0.9606 0.9363	1.0012	1.2033	0.9039	0.9436	Ave		0.9915				11.0		30.0			
trans-1,3-Dichloropropene	0.5151 0.6046	0.5769	0.7378	0.5666	0.6037	Ave		0.6008				12.0		15.0			
Ethyl methacrylate	0.5620 0.5743	0.5413	0.6535	0.5365	0.5666	Ave		0.5724				7.4		15.0			
1,1,2-Trichloroethane	0.3618 0.3078	0.3150	0.3748	0.3008	0.3161	Ave		0.3294				9.4		15.0			
Tetrachloroethene	0.3996 0.3912	0.4208	0.5117	0.3884	0.3982	Ave		0.4183				11.0		15.0			
1,3-Dichloropropane	0.5827 0.6278	0.6821	0.8244	0.6155	0.6453	Ave		0.6630				13.0		15.0			
2-Hexanone	0.4674 0.4216	0.4331	0.5077	0.4182	0.4273	Ave		0.4459				7.9		15.0			
Dibromochloromethane	0.3165 0.3671	0.3143	0.3826	0.3079	0.3539	Ave		0.3404				9.3		15.0			
1,2-Dibromoethane	0.3755 0.3855	0.3984	0.4717	0.3831	0.3893	Ave		0.4006				8.9		15.0			
Chlorobenzene	1.0435 1.0449	1.1393	1.3770	1.0312	1.0626	Ave		1.1164			0.3000	12.0		15.0			
1,1,1,2-Tetrachloroethane	0.3664 0.3565	0.3289	0.4043	0.3337	0.3527	Ave		0.3571				7.6		15.0			
Ethylbenzene	1.8494 1.7885	1.9552	2.3287	1.7452	1.8228	Ave		1.9150				11.0		30.0			
m-Xylene & p-Xylene	0.6536 0.6964	0.7612	0.8864	0.6811	0.7103	Ave		0.7315				11.0		15.0			
o-Xylene	0.7038 0.6654	0.7602	0.8765	0.6566	0.6800	Ave		0.7238				12.0		15.0			
Styrene	1.1530 1.1477	1.1893	1.4357	1.0994	1.1438	Ave		1.1948				10.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1 Analy Batch No.: 59786

SDG No.: _____

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/16/2012 14:25 Calibration End Date: 04/16/2012 17:35 Calibration ID: 7887

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								
Bromoform	0.1889 0.2433	0.1892	0.2324	0.1962	0.2232	Ave		0.2122			0.1000	11.0		15.0			
Isopropylbenzene	3.4641 3.6977	3.7461	4.3597	3.3649	3.6000	Ave		3.7054				9.5		15.0			
Bromobenzene	0.8881 0.8977	0.9154	1.1033	0.8125	0.8874	Ave		0.9174				11.0		15.0			
1,1,2,2-Tetrachloroethane	0.9618 1.0325	1.0485	1.2397	0.9701	1.0489	Ave		1.0503			0.3000	9.6		15.0			
N-Propylbenzene	4.0895 4.6767	4.6936	5.3392	4.1196	4.5398	Ave		4.5764				10.0		15.0			
1,2,3-Trichloropropane	0.3263 0.3128	0.3168	0.4104	0.3012	0.3265	Ave		0.3323				12.0		15.0			
trans-1,4-Dichloro-2-butene	0.3670 0.3924	0.3528	0.4122	0.3486	0.3784	Ave		0.3752				6.5		15.0			
2-Chlorotoluene	0.7142 0.8365	0.9303	1.0203	0.7609	0.8408	Ave		0.8505				13.0		15.0			
1,3,5-Trimethylbenzene	2.8522 2.9322	3.1334	3.5746	2.7578	2.9134	Ave		3.0273				9.8		15.0			
4-Chlorotoluene	2.8969 2.9043	2.9787	3.4997	2.6716	2.8711	Ave		2.9704				9.4		15.0			
tert-Butylbenzene	0.6414 0.6175	0.7105	0.7821	0.5974	0.6522	Ave		0.6668				10.0		15.0			
1,2,4-Trimethylbenzene	2.7632 2.9813	3.1455	3.7639	2.8593	3.0260	Ave		3.0899				12.0		15.0			
sec-Butylbenzene	3.4602 3.8005	4.0560	4.6340	3.6052	3.8577	Ave		3.9023				11.0		15.0			
1,3-Dichlorobenzene	1.6064 1.6348	1.8203	2.1005	1.5740	1.6830	Ave		1.7365				11.0		15.0			
4-Isopropyltoluene	2.9180 3.0640	3.2576	3.9138	2.9733	3.1439	Ave		3.2118				11.0		15.0			
1,4-Dichlorobenzene	1.8439 1.6846	1.7969	2.1125	1.6311	1.7410	Ave		1.8017				9.4		15.0			
n-Butylbenzene	2.8429 2.9364	3.2257	3.6911	2.8455	3.0054	Ave		3.0912				11.0		15.0			
1,2-Dichlorobenzene	1.6347 1.5177	1.7274	2.0382	1.5680	1.6087	Ave		1.6824				11.0		15.0			
1,2-Dibromo-3-Chloropropane	0.1447 0.1698	0.1629	0.1938	0.1708	0.1817	Ave		0.1706				9.8		15.0			
1,2,4-Trichlorobenzene	1.2918 1.0780	1.2525	1.4732	1.1287	1.1300	Ave		1.2257				12.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1 Analy Batch No.: 59786

SDG No.: _____

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/16/2012 14:25 Calibration End Date: 04/16/2012 17:35 Calibration ID: 7887

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								
Hexachlorobutadiene	0.6310 0.4550	0.5630	0.6739	0.4795	0.4701	LinF		0.4608							0.9960		0.9900
Naphthalene	2.8981 2.8854	3.2242	3.9727	3.0737	3.0918	Ave		3.1910				13.0		15.0			
1,2,3-Trichlorobenzene	1.0309 0.9338	1.1255	1.2989	1.0195	1.0058	Ave		1.0691				12.0		15.0			
1,2-Dichloroethane-d4 (Surr)	0.3648 0.4455	0.4469	0.5470	0.4316	0.4536	Ave		0.4482				13.0		15.0			
Toluene-d8 (Surr)	1.2127 1.5086	1.4151	1.7268	1.4819	1.5296	Ave		1.4791				11.0		15.0			
4-Bromofluorobenzene (Surr)	0.3813 0.4579	0.4318	0.5559	0.4422	0.4637	Ave		0.4555				13.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1 Analy Batch No.: 59786

SDG No.: _____

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/16/2012 14:25 Calibration End Date: 04/16/2012 17:35 Calibration ID: 7887

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-59786/16	T7052.D
Level 2	IC 480-59786/3	T7044.D
Level 3	IC 480-59786/4	T7045.D
Level 4	ICIS 480-59786/5	T7046.D
Level 5	IC 480-59786/6	T7047.D
Level 6	IC 480-59786/7	T7048.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	DFB	Ave	6089 785692	37875	82674	191281	382702	1.00 100	5.00	10.0	25.0	50.0
Chloromethane	DFB	Ave	10658 1166485	60991	121418	281046	578355	1.00 100	5.00	10.0	25.0	50.0
Vinyl chloride	DFB	Ave	9479 1043943	54291	112116	257529	524916	1.00 100	5.00	10.0	25.0	50.0
Bromomethane	DFB	Lin1F	4394 338954	17663	33343	81209	167296	1.00 100	5.00	10.0	25.0	50.0
Chloroethane	DFB	Lin1F	6856 536471	27387	53482	131107	263993	1.00 100	5.00	10.0	25.0	50.0
Trichlorofluoromethane	DFB	Ave	6591 955535	44497	91342	224039	460795	1.00 100	5.00	10.0	25.0	50.0
Acrolein	DFB	Ave	17829 1879956	84539	170391	416608	884377	20.0 2000	100	200	500	1000
1,1-Dichloroethene	DFB	Ave	6046 705566	36048	70299	172156	341094	1.00 100	5.00	10.0	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	DFB	Ave	5801 659829	35307	62290	172119	326367	1.00 100	5.00	10.0	25.0	50.0
Acetone	DFB	Ave	17314 1792320	88701	168020	427833	874745	5.00 500	25.0	50.0	125	250
Iodomethane	DFB	Ave	7884 912030	47181	89860	224710	445944	1.00 100	5.00	10.0	25.0	50.0
Carbon disulfide	DFB	Ave	19671 2207993	112328	213605	525779	1062702	1.00 100	5.00	10.0	25.0	50.0
Methyl acetate	DFB	Ave	12074 1262836	63320	120860	302816	620300	1.00 100	5.00	10.0	25.0	50.0
Acetonitrile	DFB	Ave	34641 3350812	165512	320702	818464	1654257	40.0 4000	200	400	1000	2000
Methylene Chloride	DFB	Ave	9407 834468	44596	82502	203971	412207	1.00 100	5.00	10.0	25.0	50.0
trans-1,2-Dichloroethene	DFB	Ave	7728 828760	40604	82265	195457	404277	1.00 100	5.00	10.0	25.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1 Analy Batch No.: 59786

SDG No.: _____

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/16/2012 14:25 Calibration End Date: 04/16/2012 17:35 Calibration ID: 7887

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Methyl tert-butyl ether	DFB	Ave	23664 2700545	134334	255142	645417	1300076	1.00 100	5.00	10.0	25.0	50.0
Acrylonitrile	DFB	Ave	17874 2174423	103479	207405	516614	1065929	5.00 500	25.0	50.0	125	250
1,1-Dichloroethane	DFB	Ave	14369 1607961	81942	164212	379368	781250	1.00 100	5.00	10.0	25.0	50.0
Vinyl acetate	DFB	Ave	89537 11909058	506846	1033894	2741164	5673974	5.00 500	25.0	50.0	125	250
2,2-Dichloropropane	DFB	Ave	7457 773381	44016	88067	201730	392219	1.00 100	5.00	10.0	25.0	50.0
cis-1,2-Dichloroethene	DFB	Ave	8496 909535	46749	91382	214746	453160	1.00 100	5.00	10.0	25.0	50.0
2-Butanone (MEK)	DFB	Ave	29580 3140376	151069	298331	762346	1545193	5.00 500	25.0	50.0	125	250
Bromochloromethane	DFB	Ave	4031 456704	22250	46253	110977	224700	1.00 100	5.00	10.0	25.0	50.0
Tetrahydrofuran	DFB	Ave	18095 2003940	100393	198269	493353	980223	5.00 500	25.0	50.0	125	250
Chloroform	DFB	Ave	13321 1499913	74621	151894	359488	731191	1.00 100	5.00	10.0	25.0	50.0
1,1,1-Trichloroethane	DFB	Ave	9753 1169569	59179	120843	283006	570497	1.00 100	5.00	10.0	25.0	50.0
Cyclohexane	DFB	Ave	14161 1597481	84190	153014	391470	775568	1.00 100	5.00	10.0	25.0	50.0
Carbon tetrachloride	DFB	Ave	8749 1054077	46323	95610	231603	487145	1.00 100	5.00	10.0	25.0	50.0
1,1-Dichloropropene	DFB	Ave	10571 1177130	59719	122113	281026	581228	1.00 100	5.00	10.0	25.0	50.0
Benzene	DFB	Ave	29879 3404493	170023	338573	805443	1647850	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloroethane	DFB	Ave	11981 1268727	64750	130360	314825	624000	1.00 100	5.00	10.0	25.0	50.0
Trichloroethene	DFB	Ave	8116 877514	45103	86942	215253	434875	1.00 100	5.00	10.0	25.0	50.0
Methylcyclohexane	DFB	Ave	10988 1505702	75777	138995	360392	715671	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloropropane	DFB	Ave	7895 958059	45148	95670	226819	460825	1.00 100	5.00	10.0	25.0	50.0
Dibromomethane	DFB	Ave	5061 568212	28114	57149	139102	283383	1.00 100	5.00	10.0	25.0	50.0
Bromodichloromethane	DFB	Ave	8228 1145678	51313	103185	255027	538343	1.00 100	5.00	10.0	25.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1 Analy Batch No.: 59786

SDG No.: _____

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/16/2012 14:25 Calibration End Date: 04/16/2012 17:35 Calibration ID: 7887

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
2-Chloroethyl vinyl ether	DFB	Ave	32035 3959474	184153	364468	917717	1861711	5.00 500	25.0	50.0	125	250
cis-1,3-Dichloropropene	DFB	Ave	12448 1443514	66172	139876	336601	704446	1.00 100	5.00	10.0	25.0	50.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	59279 6590567	318855	632917	1626304	3225944	5.00 500	25.0	50.0	125	250
Toluene	CBZ	Ave	18578 2132360	106235	216648	503890	1036201	1.00 100	5.00	10.0	25.0	50.0
trans-1,3-Dichloropropene	CBZ	Ave	9963 1376966	61218	132834	315874	662942	1.00 100	5.00	10.0	25.0	50.0
Ethyl methacrylate	CBZ	Ave	10870 1308006	57437	117666	299087	622225	1.00 100	5.00	10.0	25.0	50.0
1,1,2-Trichloroethane	CBZ	Ave	6997 700981	33419	67483	167676	347162	1.00 100	5.00	10.0	25.0	50.0
Tetrachloroethene	CBZ	Ave	7728 890927	44647	92130	216555	437250	1.00 100	5.00	10.0	25.0	50.0
1,3-Dichloropropane	CBZ	Ave	11269 1429641	72375	148432	343152	708689	1.00 100	5.00	10.0	25.0	50.0
2-Hexanone	CBZ	Ave	45197 4800438	229754	457051	1165771	2346007	5.00 500	25.0	50.0	125	250
Dibromochloromethane	CBZ	Ave	6121 835996	33345	68885	171636	388646	1.00 100	5.00	10.0	25.0	50.0
1,2-Dibromoethane	CBZ	Ave	7263 877978	42277	84934	213575	427509	1.00 100	5.00	10.0	25.0	50.0
Chlorobenzene	CBZ	Ave	20182 2379727	120891	247919	574894	1166944	1.00 100	5.00	10.0	25.0	50.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	7086 811889	34904	72785	186039	387368	1.00 100	5.00	10.0	25.0	50.0
Ethylbenzene	CBZ	Ave	35768 4073157	207464	419272	972923	2001745	1.00 100	5.00	10.0	25.0	50.0
m-Xylene & p-Xylene	CBZ	Ave	25280 3172025	161546	319198	759461	1560031	2.00 200	10.0	20.0	50.0	100
o-Xylene	CBZ	Ave	13611 1515420	80660	157806	366057	746820	1.00 100	5.00	10.0	25.0	50.0
Styrene	CBZ	Ave	22300 2613752	126190	258484	612883	1256086	1.00 100	5.00	10.0	25.0	50.0
Bromoform	CBZ	Ave	3653 553987	20075	41847	109377	245124	1.00 100	5.00	10.0	25.0	50.0
Isopropylbenzene	DCB	Ave	36459 4110015	207338	420162	995317	2011341	1.00 100	5.00	10.0	25.0	50.0
Bromobenzene	DCB	Ave	9347 997752	50668	106332	240332	495798	1.00 100	5.00	10.0	25.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1 Analy Batch No.: 59786

SDG No.: _____

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/16/2012 14:25 Calibration End Date: 04/16/2012 17:35 Calibration ID: 7887

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,1,2,2-Tetrachloroethane	DCB	Ave	10123 1147624	58031	119479	286962	586051	1.00 100	5.00	10.0	25.0	50.0
N-Propylbenzene	DCB	Ave	43041 5198088	259785	514565	1218532	2536410	1.00 100	5.00	10.0	25.0	50.0
1,2,3-Trichloropropane	DCB	Ave	3434 347653	17536	39553	89107	182417	1.00 100	5.00	10.0	25.0	50.0
trans-1,4-Dichloro-2-butene	DCB	Ave	19315 2180963	97629	198634	515597	1056957	5.00 500	25.0	50.0	125	250
2-Chlorotoluene	DCB	Ave	7517 929776	51492	98335	225059	469769	1.00 100	5.00	10.0	25.0	50.0
1,3,5-Trimethylbenzene	DCB	Ave	30019 3259081	173428	344500	815740	1627714	1.00 100	5.00	10.0	25.0	50.0
4-Chlorotoluene	DCB	Ave	30490 3228159	164868	337280	790246	1604103	1.00 100	5.00	10.0	25.0	50.0
tert-Butylbenzene	DCB	Ave	6751 686307	39323	75377	176698	364401	1.00 100	5.00	10.0	25.0	50.0
1,2,4-Trimethylbenzene	DCB	Ave	29082 3313715	174100	362748	845746	1690653	1.00 100	5.00	10.0	25.0	50.0
sec-Butylbenzene	DCB	Ave	36418 4224216	224495	446601	1066399	2155323	1.00 100	5.00	10.0	25.0	50.0
1,3-Dichlorobenzene	DCB	Ave	16907 1817033	100752	202434	465581	940274	1.00 100	5.00	10.0	25.0	50.0
4-Isopropyltoluene	DCB	Ave	30712 3405559	180302	377192	879492	1756499	1.00 100	5.00	10.0	25.0	50.0
1,4-Dichlorobenzene	DCB	Ave	19407 1872422	99454	203590	482467	972685	1.00 100	5.00	10.0	25.0	50.0
n-Butylbenzene	DCB	Ave	29921 3263770	178538	355728	841673	1679102	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichlorobenzene	DCB	Ave	17205 1686879	95607	196431	463795	898814	1.00 100	5.00	10.0	25.0	50.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	1523 188781	9017	18682	50520	101539	1.00 100	5.00	10.0	25.0	50.0
1,2,4-Trichlorobenzene	DCB	Ave	13596 1198207	69324	141974	333874	631356	1.00 100	5.00	10.0	25.0	50.0
Hexachlorobutadiene	DCB	LinF	6641 505686	31159	64946	141830	262664	1.00 100	5.00	10.0	25.0	50.0
Naphthalene	DCB	Ave	30502 3207123	178455	382867	909181	1727381	1.00 100	5.00	10.0	25.0	50.0
1,2,3-Trichlorobenzene	DCB	Ave	10850 1037902	62293	125180	301564	561950	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloroethane-d4 (Surr)	DFB	Ave	8018 1140741	51635	109160	270021	549626	1.00 100	5.00	10.0	25.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1 Analy Batch No.: 59786

SDG No.: _____

Instrument ID: HP5975T GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/16/2012 14:25 Calibration End Date: 04/16/2012 17:35 Calibration ID: 7887

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Toluene-d8 (Surr)	CBZ	Ave	23453 3435720	150150	310892	826166	1679769	1.00 100	5.00	10.0	25.0	50.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	7374 1042899	45819	100081	246538	509280	1.00 100	5.00	10.0	25.0	50.0

Curve Type Legend:

Ave = Average ISTD
Lin1F = Linear 1/conc ISTD forced zero
LinF = Linear ISTD forced zero

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20120416-11026.b\T7044.D
 Lims ID: IC 2 Client ID:
 Inject. Date: 16-Apr-2012 14:25:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: IC 2
 Misc. Info.: 480-0011026-003
 Operator: LH Instrument ID: HP5975T
 Vol. Injected: 1.0000 ALS Bottle#: 11
 Lims Batch ID: 59786 Lims Sample ID: 3
 Sublist: chrom-T-8260*sub3
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5975T\20120416-11026.b\T-8260.m
 Last Update: 17-Apr-2012 09:48:53 Calib Date: 16-Apr-2012 21:30:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5975T\20120416-11026.b\T7062.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: BrandtT

Date: 17-Apr-2012 09:48:53

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.501	4.501	0.0	95	577696	25.0	
* 2 Chlorobenzene-d5	117	6.709	6.709	0.0	84	530537	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.564	8.564	0.0	90	276741	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.190	4.190	0.0	0	51635	4.99	
\$ 6 Toluene-d8 (Surr)	98	5.589	5.589	0.0	90	150150	4.78	
\$ 7 4-Bromofluorobenzene (Surr)	174	7.641	7.641	0.0	89	45819	4.74	
11 Dichlorodifluoromethane	85	0.936	0.936	0.0	86	37875	5.05	
13 Chloromethane	50	1.050	1.050	0.0	89	60991	5.27	
14 Vinyl chloride	62	1.133	1.133	0.0	97	54291	5.19	
15 Bromomethane	94	1.361	1.361	0.0	93	17663	5.61	
16 Chloroethane	64	1.434	1.434	0.0	93	27387	5.49	
17 Trichlorofluoromethane	101	1.610	1.610	0.0	79	44497	5.13	
21 Acrolein	56	2.014	2.014	0.0	96	84539	97.0	
22 1,1-Dichloroethene	96	2.035	2.025	0.010	85	36048	5.28	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.035	2.035	0.0	60	35307	5.44	
24 Iodomethane	142	2.170	2.170	0.0	51	47181	5.32	
23 Acetone	43	2.170	2.170	0.0	98	88701	25.6	
25 Carbon disulfide	76	2.190	2.190	0.0	99	112328	5.29	
28 Methyl acetate	43	2.439	2.439	0.0	97	63320	5.15	
29 Acetonitrile	40	2.449	2.449	0.0	100	165512	199.9	
30 Methylene Chloride	84	2.501	2.501	0.0	86	44596	5.22	
32 trans-1,2-Dichloroethene	96	2.698	2.698	0.0	90	40604	5.06	
33 Methyl tert-butyl ether	73	2.708	2.709	-0.001	97	134334	5.22	
34 Acrylonitrile	53	2.781	2.771	0.010	99	103479	25.3	
36 1,1-Dichloroethane	63	3.071	3.071	0.0	86	81942	5.23	
39 Vinyl acetate	43	3.144	3.133	0.011	97	506846	24.1	
42 2,2-Dichloropropane	77	3.517	3.517	0.0	89	44016	5.42	
43 cis-1,2-Dichloroethene	96	3.548	3.548	0.0	65	46749	5.23	
44 2-Butanone (MEK)	43	3.610	3.600	0.010	99	151069	24.9	
47 Chlorobromomethane	128	3.734	3.745	-0.011	92	22250	5.03	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
48 Tetrahydrofuran	42	3.776	3.766	0.010	92	100393	25.7	
50 Chloroform	83	3.807	3.807	0.0	79	74621	5.13	
51 1,1,1-Trichloroethane	97	3.890	3.890	0.0	79	59179	5.22	
52 Cyclohexane	56	3.890	3.890	0.0	91	84190	5.43	
53 Carbon tetrachloride	117	4.004	4.004	0.0	79	46323	4.89	
54 1,1-Dichloropropene	75	4.014	4.014	0.0	89	59719	5.17	
55 Benzene	78	4.190	4.190	0.0	96	170023	5.19	
57 1,2-Dichloroethane	62	4.242	4.242	0.0	89	64750	5.14	
60 Trichloroethene	95	4.667	4.667	0.0	91	45103	5.23	
62 Methylcyclohexane	83	4.760	4.760	0.0	93	75777	5.45	
63 1,2-Dichloropropane	63	4.874	4.864	0.010	89	45148	5.00	
65 Dibromomethane	93	4.978	4.968	0.010	90	28114	5.08	
67 Dichlorobromomethane	83	5.092	5.092	0.0	90	51313	5.06	
69 2-Chloroethyl vinyl ether	63	5.330	5.320	0.010	90	184153	25.4	
71 cis-1,3-Dichloropropene	75	5.424	5.424	0.0	86	66172	4.88	
72 4-Methyl-2-pentanone (MIBK)	43	5.548	5.548	0.0	98	318855	24.6	
73 Toluene	92	5.641	5.641	0.0	98	106235	5.05	
75 trans-1,3-Dichloropropene	75	5.859	5.859	0.0	96	61218	4.80	
77 Ethyl methacrylate	69	5.900	5.900	0.0	91	57437	4.73	
78 1,1,2-Trichloroethane	83	6.004	6.004	0.0	87	33419	4.78	
79 Tetrachloroethene	166	6.035	6.035	0.0	80	44647	5.03	
80 1,3-Dichloropropane	76	6.118	6.118	0.0	93	72375	5.14	
81 2-Hexanone	43	6.190	6.191	-0.001	97	229754	24.3	
82 Chlorodibromomethane	129	6.294	6.294	0.0	81	33345	4.62	
83 Ethylene Dibromide	107	6.367	6.367	0.0	97	42277	4.97	
86 Chlorobenzene	112	6.729	6.729	0.0	94	120891	5.10	
89 1,1,1,2-Tetrachloroethane	131	6.802	6.802	0.0	38	34904	4.61	
88 Ethylbenzene	91	6.802	6.802	0.0	99	207464	5.11	
90 m-Xylene & p-Xylene	106	6.895	6.895	0.0	98	161546	10.4	
91 o-Xylene	106	7.206	7.206	0.0	97	80660	5.25	
92 Styrene	104	7.227	7.227	0.0	95	126190	4.98	
93 Bromoform	173	7.413	7.413	0.0	87	20075	4.46	
95 Isopropylbenzene	105	7.496	7.496	0.0	95	207338	5.05	
97 Bromobenzene	156	7.755	7.755	0.0	94	50668	4.99	
98 1,1,2,2-Tetrachloroethane	83	7.797	7.797	0.0	77	58031	4.99	
99 N-Propylbenzene	91	7.817	7.818	-0.001	98	259785	5.13	
100 1,2,3-Trichloropropane	110	7.828	7.828	0.0	76	17536	4.77	
101 trans-1,4-Dichloro-2-butene	53	7.838	7.838	0.0	90	97629	23.5	
105 2-Chlorotoluene	126	7.900	7.900	0.0	96	51492	5.47	
104 1,3,5-Trimethylbenzene	105	7.963	7.963	0.0	94	173428	5.18	
102 4-Chlorotoluene	91	7.994	7.994	0.0	98	164868	5.01	
106 tert-Butylbenzene	134	8.222	8.222	0.0	93	39323	5.33	
107 1,2,4-Trimethylbenzene	105	8.263	8.263	0.0	96	174100	5.09	
109 sec-Butylbenzene	105	8.398	8.398	0.0	94	224495	5.20	
110 1,3-Dichlorobenzene	146	8.501	8.501	0.0	96	100752	5.24	
111 4-Isopropyltoluene	119	8.522	8.522	0.0	96	180302	5.07	
113 1,4-Dichlorobenzene	146	8.584	8.584	0.0	92	99454	4.99	
115 n-Butylbenzene	91	8.854	8.854	0.0	97	178538	5.22	
116 1,2-Dichlorobenzene	146	8.885	8.885	0.0	95	95607	5.13	
117 1,2-Dibromo-3-Chloropropane	75	9.558	9.559	-0.001	57	9017	4.77	
119 1,2,4-Trichlorobenzene	180	10.201	10.201	0.0	90	69324	5.11	
120 Hexachlorobutadiene	225	10.315	10.315	0.0	91	31159	6.11	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	10.408	10.408	0.0	97	178455	5.05	
122 1,2,3-Trichlorobenzene	180	10.605	10.605	0.0	93	62293	5.26	
S 125 Total BTEX	1				0		31.0	
S 126 Xylenes, Total	1				0		15.7	
S 123 1,3-Dichloropropene, Total	1				0		9.68	
S 124 1,2-Dichloroethene, Total	1				0		10.3	

Report Date: 17-Apr-2012 09:48:54

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5975T\20120416-11026.b\T7044.D

Injection Date: 16-Apr-2012 14:25:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5975T

Lims Batch ID: 59786

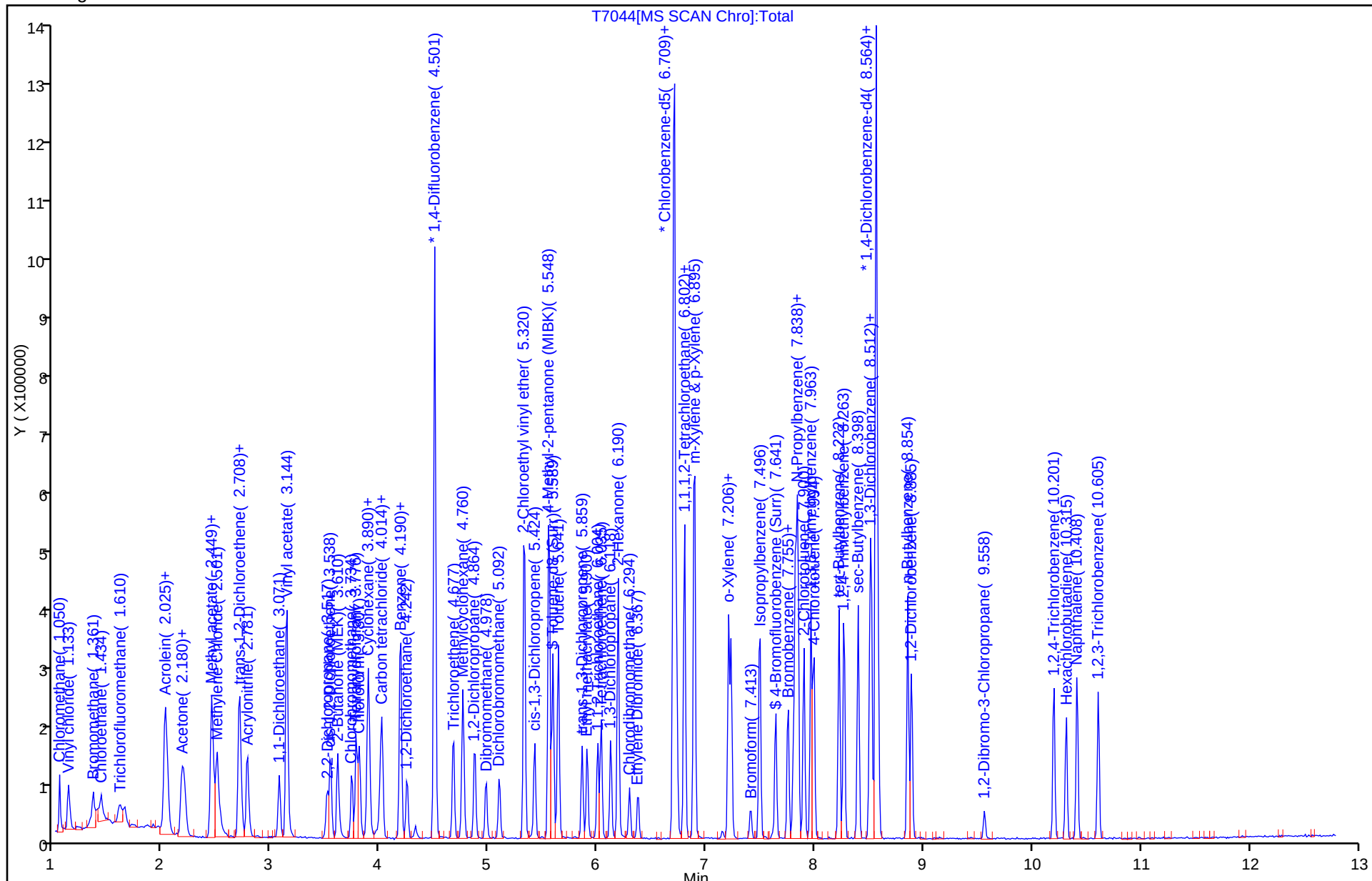
Lims Sample ID: 3

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20120416-11026.b\T7045.D
 Lims ID: IC 3 Client ID:
 Inject. Date: 16-Apr-2012 14:49:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: IC 3
 Misc. Info.: 480-0011026-004
 Operator: LH Instrument ID: HP5975T
 Vol. Injected: 1.0000 ALS Bottle#: 12
 Lims Batch ID: 59786 Lims Sample ID: 4
 Sublist: chrom-T-8260*sub3
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5975T\20120416-11026.b\T-8260.m
 Last Update: 17-Apr-2012 09:48:57 Calib Date: 16-Apr-2012 21:30:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5975T\20120416-11026.b\T7062.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: BrandtT

Date: 17-Apr-2012 09:48:57

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.501	4.501	0.0	95	498926	25.0	
* 2 Chlorobenzene-d5	117	6.709	6.709	0.0	86	450108	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.564	8.564	0.0	89	240936	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.191	4.190	0.001	0	109160	12.2	
\$ 6 Toluene-d8 (Surr)	98	5.590	5.589	0.001	90	310892	11.7	
\$ 7 4-Bromofluorobenzene (Surr)	174	7.641	7.641	0.0	90	100081	12.2	
11 Dichlorodifluoromethane	85	0.937	0.936	0.001	87	82674	12.8	
13 Chloromethane	50	1.051	1.050	0.001	89	121418	12.2	
14 Vinyl chloride	62	1.133	1.133	0.0	82	112116	12.4	
15 Bromomethane	94	1.361	1.361	0.0	93	33343	12.3	
16 Chloroethane	64	1.434	1.434	0.0	92	53482	12.4	
17 Trichlorofluoromethane	101	1.610	1.610	0.0	86	91342	12.2	
21 Acrolein	56	2.014	2.014	0.0	99	170391	226.3	
22 1,1-Dichloroethene	96	2.025	2.025	0.0	83	70299	11.9	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.035	2.035	0.0	56	62290	11.1	
24 Iodomethane	142	2.170	2.170	0.0	52	89860	11.7	
23 Acetone	43	2.170	2.170	0.0	99	168020	56.1	
25 Carbon disulfide	76	2.190	2.190	0.0	99	213605	11.6	
28 Methyl acetate	43	2.439	2.439	0.0	97	120860	11.4	
29 Acetonitrile	40	2.450	2.449	0.001	99	320702	448.6	
30 Methylene Chloride	84	2.501	2.501	0.0	90	82502	11.2	
32 trans-1,2-Dichloroethene	96	2.698	2.698	0.0	94	82265	11.9	
33 Methyl tert-butyl ether	73	2.709	2.709	0.0	92	255142	11.5	
34 Acrylonitrile	53	2.781	2.771	0.010	97	207405	58.8	
36 1,1-Dichloroethane	63	3.071	3.071	0.0	85	164212	12.1	
39 Vinyl acetate	43	3.144	3.133	0.011	97	1033894	56.8	
42 2,2-Dichloropropane	77	3.517	3.517	0.0	90	88067	12.5	
43 cis-1,2-Dichloroethene	96	3.548	3.548	0.0	67	91382	11.8	
44 2-Butanone (MEK)	43	3.610	3.600	0.010	99	298331	57.0	
47 Chlorobromomethane	128	3.745	3.745	0.0	93	46253	12.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
48 Tetrahydrofuran	42	3.776	3.766	0.010	92	198269	58.8	
50 Chloroform	83	3.807	3.807	0.0	82	151894	12.1	
51 1,1,1-Trichloroethane	97	3.890	3.890	0.0	81	120843	12.4	
52 Cyclohexane	56	3.890	3.890	0.0	92	153014	11.4	
53 Carbon tetrachloride	117	4.004	4.004	0.0	81	95610	11.7	
54 1,1-Dichloropropene	75	4.014	4.014	0.0	91	122113	12.2	
55 Benzene	78	4.191	4.190	0.001	96	338573	12.0	
57 1,2-Dichloroethane	62	4.242	4.242	0.0	90	130360	12.0	
60 Trichloroethene	95	4.678	4.667	0.011	93	86942	11.7	
62 Methylcyclohexane	83	4.761	4.760	0.0	93	138995	11.6	
63 1,2-Dichloropropane	63	4.875	4.864	0.010	93	95670	12.3	
65 Dibromomethane	93	4.968	4.968	0.0	88	57149	11.9	
67 Dichlorobromomethane	83	5.092	5.092	0.0	92	103185	11.8	
69 2-Chloroethyl vinyl ether	63	5.320	5.320	0.0	92	364468	58.1	
71 cis-1,3-Dichloropropene	75	5.424	5.424	0.0	87	139876	11.9	
72 4-Methyl-2-pentanone (MIBK)	43	5.548	5.548	0.0	98	632917	57.5	
73 Toluene	92	5.641	5.641	0.0	98	216648	12.1	
75 trans-1,3-Dichloropropene	75	5.859	5.859	0.0	91	132834	12.3	
77 Ethyl methacrylate	69	5.900	5.900	0.0	93	117666	11.4	
78 1,1,2-Trichloroethane	83	6.004	6.004	0.0	87	67483	11.4	
79 Tetrachloroethene	166	6.035	6.035	0.0	88	92130	12.2	
80 1,3-Dichloropropane	76	6.118	6.118	0.0	94	148432	12.4	
81 2-Hexanone	43	6.191	6.191	0.0	98	457051	56.9	
82 Chlorodibromomethane	129	6.294	6.294	0.0	86	68885	11.2	
83 Ethylene Dibromide	107	6.367	6.367	0.0	99	84934	11.8	
86 Chlorobenzene	112	6.729	6.729	0.0	94	247919	12.3	
89 1,1,1,2-Tetrachloroethane	131	6.802	6.802	0.0	39	72785	11.3	
88 Ethylbenzene	91	6.802	6.802	0.0	98	419272	12.2	
90 m-Xylene & p-Xylene	106	6.895	6.895	0.0	99	319198	24.2	
91 o-Xylene	106	7.206	7.206	0.0	98	157806	12.1	
92 Styrene	104	7.227	7.227	0.0	95	258484	12.0	
93 Bromoform	173	7.403	7.413	-0.010	94	41847	11.0	
95 Isopropylbenzene	105	7.496	7.496	0.0	96	420162	11.8	
97 Bromobenzene	156	7.755	7.755	0.0	94	106332	12.0	
98 1,1,2,2-Tetrachloroethane	83	7.797	7.797	0.0	80	119479	11.8	
99 N-Propylbenzene	91	7.818	7.818	0.0	99	514565	11.7	
100 1,2,3-Trichloropropane	110	7.828	7.828	0.0	78	39553	12.3	
101 trans-1,4-Dichloro-2-butene	53	7.838	7.838	0.0	90	198634	54.9	
105 2-Chlorotoluene	126	7.901	7.900	0.0	96	98335	12.0	
104 1,3,5-Trimethylbenzene	105	7.963	7.963	0.0	95	344500	11.8	
102 4-Chlorotoluene	91	7.994	7.994	0.0	97	337280	11.8	
106 tert-Butylbenzene	134	8.222	8.222	0.0	92	75377	11.7	
107 1,2,4-Trimethylbenzene	105	8.263	8.263	0.0	97	362748	12.2	
109 sec-Butylbenzene	105	8.398	8.398	0.0	94	446601	11.9	
110 1,3-Dichlorobenzene	146	8.502	8.501	0.001	96	202434	12.1	
111 4-Isopropyltoluene	119	8.522	8.522	0.0	97	377192	12.2	
113 1,4-Dichlorobenzene	146	8.584	8.584	0.0	94	203590	11.7	
115 n-Butylbenzene	91	8.854	8.854	0.0	98	355728	11.9	
116 1,2-Dichlorobenzene	146	8.885	8.885	0.0	92	196431	12.1	
117 1,2-Dibromo-3-Chloropropane	75	9.559	9.559	0.0	77	18682	11.4	
119 1,2,4-Trichlorobenzene	180	10.201	10.201	0.0	93	141974	12.0	
120 Hexachlorobutadiene	225	10.315	10.315	0.0	94	64946	14.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	10.408	10.408	0.0	98	382867	12.4	
122 1,2,3-Trichlorobenzene	180	10.605	10.605	0.0	92	125180	12.1	
S 125 Total BTEX	1				0		72.6	
S 126 Xylenes, Total	1				0		36.3	
S 123 1,3-Dichloropropene, Total	1				0		24.2	
S 124 1,2-Dichloroethene, Total	1				0		23.7	

Report Date: 17-Apr-2012 09:48:57

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5975T\20120416-11026.b\T7045.D

Injection Date: 16-Apr-2012 14:49:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5975T

Lims Batch ID: 59786

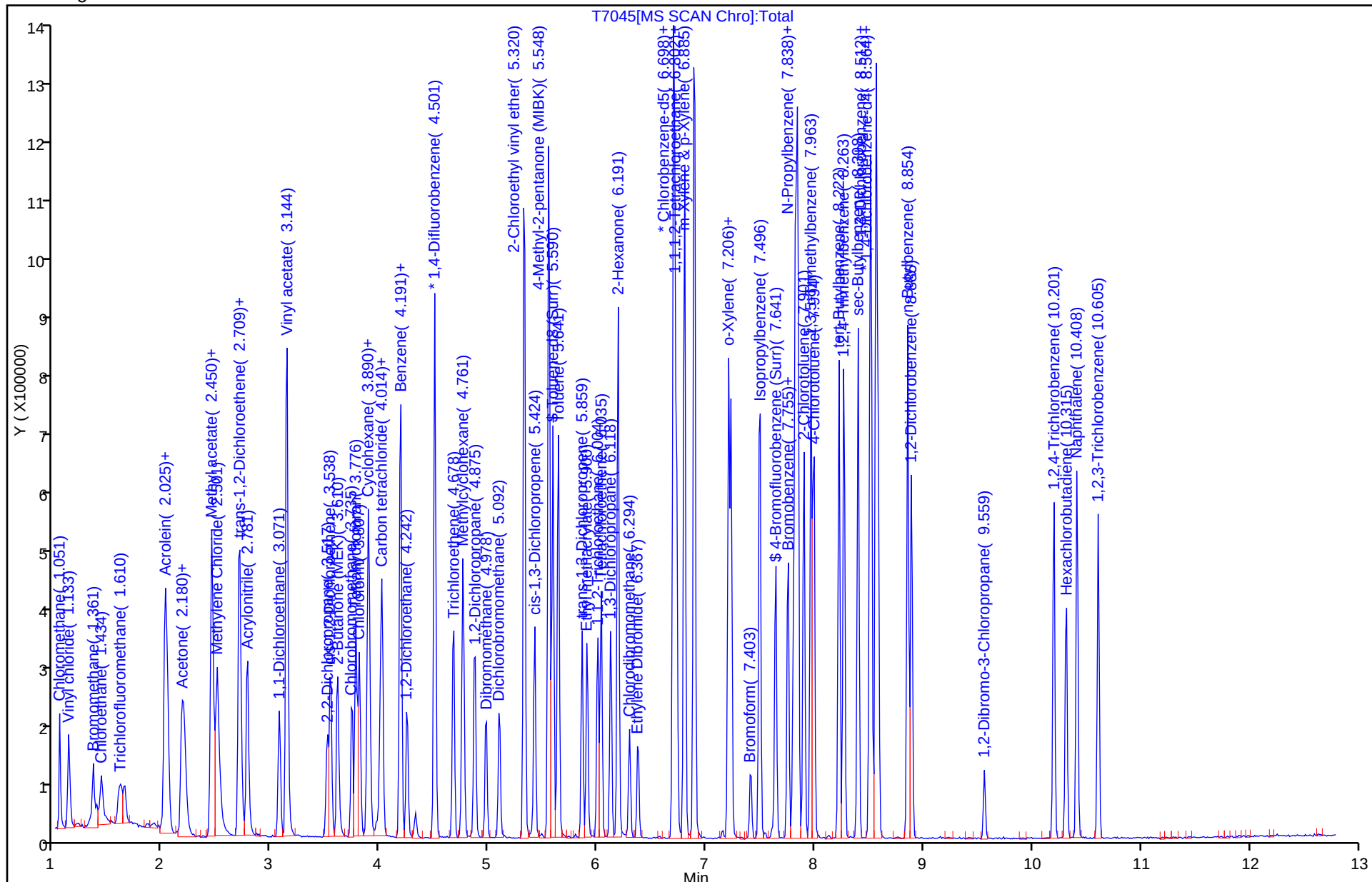
Lims Sample ID: 4

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20120416-11026.b\T7046.D
 Lims ID: ICIS 4 Client ID:
 Inject. Date: 16-Apr-2012 15:12:30 Dil. Factor: 1.0000
 Sample Type: ICIS Calib Level: 4
 Sample ID: ICIS 4
 Misc. Info.: 480-0011026-005
 Operator: LH Instrument ID: HP5975T
 Vol. Injected: 1.0000 ALS Bottle#: 13
 Lims Batch ID: 59786 Lims Sample ID: 5
 Sublist: chrom-T-8260*sub3
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5975T\20120416-11026.b\T-8260.m
 Last Update: 17-Apr-2012 09:48:59 Calib Date: 16-Apr-2012 21:30:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5975T\20120416-11026.b\T7062.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: BrandtT

Date: 17-Apr-2012 09:48:59

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.501	4.501	0.0	95	625645	25.0	
* 2 Chlorobenzene-d5	117	6.709	6.709	0.0	85	557487	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.564	8.564	0.0	72	295792	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.190	4.190	0.0	0	270021	24.1	
\$ 6 Toluene-d8 (Surr)	98	5.589	5.589	0.0	90	826166	25.0	
\$ 7 4-Bromofluorobenzene (Surr)	174	7.641	7.641	0.0	90	246538	24.3	
11 Dichlorodifluoromethane	85	0.936	0.936	0.0	89	191281	23.5	
13 Chloromethane	50	1.050	1.050	0.0	89	281046	22.4	
14 Vinyl chloride	62	1.133	1.133	0.0	84	257529	22.7	
15 Bromomethane	94	1.361	1.361	0.0	92	81209	23.8	
16 Chloroethane	64	1.434	1.434	0.0	94	131107	24.3	
17 Trichlorofluoromethane	101	1.610	1.610	0.0	87	224039	23.8	
21 Acrolein	56	2.014	2.014	0.0	98	416608	441.3	
22 1,1-Dichloroethene	96	2.025	2.025	0.0	86	172156	23.3	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.035	2.035	0.0	79	172119	24.5	
24 Iodomethane	142	2.170	2.170	0.0	59	224710	23.4	
23 Acetone	43	2.170	2.170	0.0	99	427833	113.9	
25 Carbon disulfide	76	2.190	2.190	0.0	100	525779	22.8	
28 Methyl acetate	43	2.439	2.439	0.0	97	302816	22.7	
29 Acetonitrile	40	2.449	2.449	0.0	100	818464	912.9	
30 Methylene Chloride	84	2.501	2.501	0.0	90	203971	22.0	
32 trans-1,2-Dichloroethene	96	2.698	2.698	0.0	92	195457	22.5	
33 Methyl tert-butyl ether	73	2.709	2.709	0.0	96	645417	23.2	
34 Acrylonitrile	53	2.771	2.771	0.0	98	516614	116.8	
36 1,1-Dichloroethane	63	3.071	3.071	0.0	85	379368	22.4	
39 Vinyl acetate	43	3.133	3.133	0.0	97	2741164	120.1	
42 2,2-Dichloropropane	77	3.517	3.517	0.0	90	201730	22.9	
43 cis-1,2-Dichloroethene	96	3.548	3.548	0.0	68	214746	22.2	
44 2-Butanone (MEK)	43	3.600	3.600	0.0	99	762346	116.1	
47 Chlorobromomethane	128	3.745	3.745	0.0	94	110977	23.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
48 Tetrahydrofuran	42	3.766	3.766	0.0	91	493353	116.7	
50 Chloroform	83	3.807	3.807	0.0	81	359488	22.8	
51 1,1,1-Trichloroethane	97	3.890	3.890	0.0	78	283006	23.1	
52 Cyclohexane	56	3.890	3.890	0.0	93	391470	23.3	
53 Carbon tetrachloride	117	4.004	4.004	0.0	79	231603	22.6	
54 1,1-Dichloropropene	75	4.014	4.014	0.0	92	281026	22.5	
55 Benzene	78	4.190	4.190	0.0	96	805443	22.7	
57 1,2-Dichloroethane	62	4.242	4.242	0.0	91	314825	23.1	
60 Trichloroethene	95	4.667	4.667	0.0	94	215253	23.0	
62 Methylcyclohexane	83	4.760	4.760	0.0	95	360392	24.0	
63 1,2-Dichloropropane	63	4.864	4.864	0.0	93	226819	23.2	
65 Dibromomethane	93	4.968	4.968	0.0	91	139102	23.2	
67 Dichlorobromomethane	83	5.092	5.092	0.0	93	255027	23.2	
69 2-Chloroethyl vinyl ether	63	5.320	5.320	0.0	91	917717	116.7	
71 cis-1,3-Dichloropropene	75	5.424	5.424	0.0	90	336601	22.9	
72 4-Methyl-2-pentanone (MIBK)	43	5.548	5.548	0.0	98	1626304	119.3	
73 Toluene	92	5.641	5.641	0.0	98	503890	22.8	
75 trans-1,3-Dichloropropene	75	5.859	5.859	0.0	92	315874	23.6	
77 Ethyl methacrylate	69	5.900	5.900	0.0	92	299087	23.4	
78 1,1,2-Trichloroethane	83	6.004	6.004	0.0	88	167676	22.8	
79 Tetrachloroethene	166	6.035	6.035	0.0	87	216555	23.2	
80 1,3-Dichloropropane	76	6.118	6.118	0.0	94	343152	23.2	
81 2-Hexanone	43	6.191	6.191	0.0	98	1165771	117.2	
82 Chlorodibromomethane	129	6.294	6.294	0.0	89	171636	22.6	
83 Ethylene Dibromide	107	6.367	6.367	0.0	97	213575	23.9	
86 Chlorobenzene	112	6.729	6.729	0.0	94	574894	23.1	
89 1,1,1,2-Tetrachloroethane	131	6.802	6.802	0.0	40	186039	23.4	
88 Ethylbenzene	91	6.802	6.802	0.0	99	972923	22.8	
90 m-Xylene & p-Xylene	106	6.895	6.895	0.0	99	759461	46.6	
91 o-Xylene	106	7.206	7.206	0.0	98	366057	22.7	
92 Styrene	104	7.227	7.227	0.0	95	612883	23.0	
93 Bromoform	173	7.413	7.413	0.0	97	109377	23.1	
95 Isopropylbenzene	105	7.496	7.496	0.0	96	995317	22.7	
97 Bromobenzene	156	7.755	7.755	0.0	95	240332	22.1	
98 1,1,2,2-Tetrachloroethane	83	7.797	7.797	0.0	81	286962	23.1	
99 N-Propylbenzene	91	7.818	7.818	0.0	99	1218532	22.5	
100 1,2,3-Trichloropropane	110	7.828	7.828	0.0	75	89107	22.7	
101 trans-1,4-Dichloro-2-butene	53	7.838	7.838	0.0	91	515597	116.1	
105 2-Chlorotoluene	126	7.900	7.900	0.0	95	225059	22.4	
104 1,3,5-Trimethylbenzene	105	7.963	7.963	0.0	95	815740	22.8	
102 4-Chlorotoluene	91	7.994	7.994	0.0	98	790246	22.5	
106 tert-Butylbenzene	134	8.222	8.222	0.0	93	176698	22.4	
107 1,2,4-Trimethylbenzene	105	8.263	8.263	0.0	97	845746	23.1	
109 sec-Butylbenzene	105	8.398	8.398	0.0	94	1066399	23.1	
110 1,3-Dichlorobenzene	146	8.501	8.501	0.0	97	465581	22.7	
111 4-Isopropyltoluene	119	8.522	8.522	0.0	97	879492	23.1	
113 1,4-Dichlorobenzene	146	8.584	8.584	0.0	94	482467	22.6	
115 n-Butylbenzene	91	8.854	8.854	0.0	98	841673	23.0	
116 1,2-Dichlorobenzene	146	8.885	8.885	0.0	92	463795	23.3	
117 1,2-Dibromo-3-Chloropropane	75	9.559	9.559	0.0	80	50520	25.0	
119 1,2,4-Trichlorobenzene	180	10.201	10.201	0.0	92	333874	23.0	
120 Hexachlorobutadiene	225	10.315	10.315	0.0	96	141830	26.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	10.408	10.408	0.0	98	909181	24.1	
122 1,2,3-Trichlorobenzene	180	10.605	10.605	0.0	93	301564	23.8	
S 125 Total BTEX	1				0		137.5	
S 126 Xylenes, Total	1				0		69.2	
S 123 1,3-Dichloropropene, Total	1				0		46.5	
S 124 1,2-Dichloroethene, Total	1				0		44.7	

Report Date: 17-Apr-2012 09:48:59

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5975T\20120416-11026.b\T7046.D

Injection Date: 16-Apr-2012 15:12:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5975T

Lims Batch ID: 59786

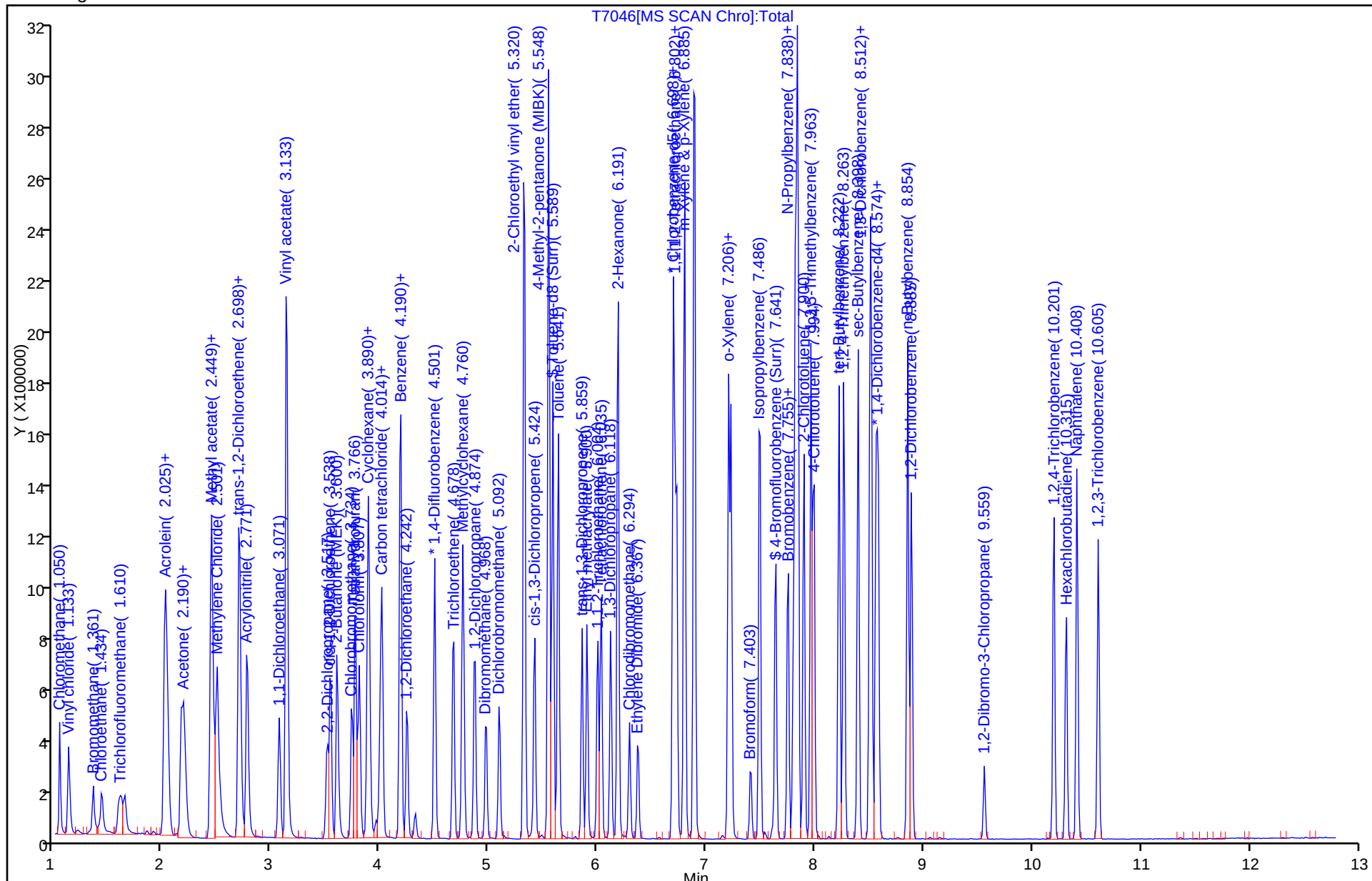
Lims Sample ID: 5

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20120416-11026.b\T7047.D
 Lims ID: IC 5 Client ID:
 Inject. Date: 16-Apr-2012 15:36:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: IC 5
 Misc. Info.: 480-0011026-006
 Operator: LH Instrument ID: HP5975T
 Vol. Injected: 1.0000 ALS Bottle#: 14
 Lims Batch ID: 59786 Lims Sample ID: 6
 Sublist: chrom-T-8260*sub3
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5975T\20120416-11026.b\T-8260.m
 Last Update: 17-Apr-2012 09:49:01 Calib Date: 16-Apr-2012 21:30:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5975T\20120416-11026.b\T7062.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: BrandtT

Date: 17-Apr-2012 09:49:01

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.501	4.501	0.0	95	605905	25.0	
* 2 Chlorobenzene-d5	117	6.709	6.709	0.0	84	549093	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.564	8.564	0.0	92	279352	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.190	4.190	0.0	0	549626	50.6	
\$ 6 Toluene-d8 (Surr)	98	5.589	5.589	0.0	90	1679769	51.7	
\$ 7 4-Bromofluorobenzene (Surr)	174	7.641	7.641	0.0	90	509280	50.9	
11 Dichlorodifluoromethane	85	0.936	0.936	0.0	88	382702	48.6	
13 Chloromethane	50	1.050	1.050	0.0	89	578355	47.7	
14 Vinyl chloride	62	1.133	1.133	0.0	84	524916	47.9	
15 Bromomethane	94	1.361	1.361	0.0	92	167296	50.7	
16 Chloroethane	64	1.444	1.434	0.010	94	263993	50.4	
17 Trichlorofluoromethane	101	1.620	1.610	0.010	88	460795	50.6	
21 Acrolein	56	2.014	2.014	0.0	98	884377	967.3	
22 1,1-Dichloroethene	96	2.035	2.025	0.010	85	341094	47.7	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.035	2.035	0.0	59	326367	48.0	
24 Iodomethane	142	2.170	2.170	0.0	61	445944	48.0	
23 Acetone	43	2.170	2.170	0.0	99	874745	240.4	
25 Carbon disulfide	76	2.201	2.190	0.011	100	1062702	47.7	
28 Methyl acetate	43	2.439	2.439	0.0	97	620300	48.1	
29 Acetonitrile	40	2.449	2.449	0.0	99	1654257	1905.3	
30 Methylene Chloride	84	2.501	2.501	0.0	88	412207	46.0	
32 trans-1,2-Dichloroethene	96	2.698	2.698	0.0	93	404277	48.0	
33 Methyl tert-butyl ether	73	2.709	2.709	-0.001	97	1300076	48.2	
34 Acrylonitrile	53	2.781	2.771	0.010	99	1065929	248.8	
36 1,1-Dichloroethane	63	3.071	3.071	0.0	85	781250	47.6	
39 Vinyl acetate	43	3.144	3.133	0.011	97	5673974	256.7	
42 2,2-Dichloropropane	77	3.517	3.517	0.0	90	392219	46.0	
43 cis-1,2-Dichloroethene	96	3.548	3.548	0.0	67	453160	48.3	
44 2-Butanone (MEK)	43	3.600	3.600	0.0	99	1545193	243.1	
47 Chlorobromomethane	128	3.745	3.745	0.0	95	224700	48.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
48 Tetrahydrofuran	42	3.766	3.766	0.0	91	980223	239.5	
50 Chloroform	83	3.807	3.807	0.0	81	731191	47.9	
51 1,1,1-Trichloroethane	97	3.890	3.890	0.0	91	570497	48.0	
52 Cyclohexane	56	3.890	3.890	0.0	93	775568	47.7	
53 Carbon tetrachloride	117	4.004	4.004	0.0	81	487145	49.0	
54 1,1-Dichloropropene	75	4.014	4.014	0.0	92	581228	48.0	
55 Benzene	78	4.190	4.190	0.0	96	1647850	48.0	
57 1,2-Dichloroethane	62	4.242	4.242	0.0	90	624000	47.2	
60 Trichloroethene	95	4.677	4.667	0.010	94	434875	48.0	
62 Methylcyclohexane	83	4.760	4.760	0.0	94	715671	49.1	
63 1,2-Dichloropropane	63	4.874	4.864	0.010	93	460825	48.6	
65 Dibromomethane	93	4.968	4.968	0.0	88	283383	48.8	
67 Dichlorobromomethane	83	5.092	5.092	0.0	92	538343	50.6	
69 2-Chloroethyl vinyl ether	63	5.330	5.320	0.010	91	1861711	244.4	
71 cis-1,3-Dichloropropene	75	5.424	5.424	0.0	87	704446	49.5	
72 4-Methyl-2-pentanone (MIBK)	43	5.548	5.548	0.0	98	3225944	240.3	
73 Toluene	92	5.641	5.641	0.0	98	1036201	47.6	
75 trans-1,3-Dichloropropene	75	5.859	5.859	0.0	92	662942	50.2	
77 Ethyl methacrylate	69	5.900	5.900	0.0	92	622225	49.5	
78 1,1,2-Trichloroethane	83	6.004	6.004	0.0	87	347162	48.0	
79 Tetrachloroethene	166	6.035	6.035	0.0	88	437250	47.6	
80 1,3-Dichloropropane	76	6.118	6.118	0.0	94	708689	48.7	
81 2-Hexanone	43	6.190	6.191	-0.001	98	2346007	239.6	
82 Chlorodibromomethane	129	6.294	6.294	0.0	88	388646	52.0	
83 Ethylene Dibromide	107	6.367	6.367	0.0	99	427509	48.6	
86 Chlorobenzene	112	6.729	6.729	0.0	93	1166944	47.6	
89 1,1,1,2-Tetrachloroethane	131	6.802	6.802	0.0	40	387368	49.4	
88 Ethylbenzene	91	6.802	6.802	0.0	99	2001745	47.6	
90 m-Xylene & p-Xylene	106	6.895	6.895	0.0	99	1560031	97.1	
91 o-Xylene	106	7.206	7.206	0.0	98	746820	47.0	
92 Styrene	104	7.227	7.227	0.0	95	1256086	47.9	
93 Bromoform	173	7.413	7.413	0.0	97	245124	52.6	
95 Isopropylbenzene	105	7.496	7.496	0.0	96	2011341	48.6	
97 Bromobenzene	156	7.755	7.755	0.0	93	495798	48.4	
98 1,1,2,2-Tetrachloroethane	83	7.797	7.797	0.0	79	586051	49.9	
99 N-Propylbenzene	91	7.817	7.818	-0.001	99	2536410	49.6	
100 1,2,3-Trichloropropane	110	7.828	7.828	0.0	79	182417	49.1	
101 trans-1,4-Dichloro-2-butene	53	7.838	7.838	0.0	91	1056957	252.1	
105 2-Chlorotoluene	126	7.900	7.900	0.0	96	469769	49.4	
104 1,3,5-Trimethylbenzene	105	7.963	7.963	0.0	93	1627714	48.1	
102 4-Chlorotoluene	91	7.994	7.994	0.0	98	1604103	48.3	
106 tert-Butylbenzene	134	8.222	8.222	0.0	93	364401	48.9	
107 1,2,4-Trimethylbenzene	105	8.263	8.263	0.0	97	1690653	49.0	
109 sec-Butylbenzene	105	8.398	8.398	0.0	94	2155323	49.4	
110 1,3-Dichlorobenzene	146	8.501	8.501	0.0	97	940274	48.5	
111 4-Isopropyltoluene	119	8.522	8.522	0.0	95	1756499	48.9	
113 1,4-Dichlorobenzene	146	8.584	8.584	0.0	94	972685	48.3	
115 n-Butylbenzene	91	8.854	8.854	0.0	98	1679102	48.6	
116 1,2-Dichlorobenzene	146	8.885	8.885	0.0	91	898814	47.8	
117 1,2-Dibromo-3-Chloropropane	75	9.558	9.559	-0.001	83	101539	53.3	
119 1,2,4-Trichlorobenzene	180	10.201	10.201	0.0	93	631356	46.1	
120 Hexachlorobutadiene	225	10.315	10.315	0.0	96	262664	51.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	10.408	10.408	0.0	98	1727381	48.4	
122 1,2,3-Trichlorobenzene	180	10.605	10.605	0.0	95	561950	47.0	
S 125 Total BTEX	1				0		287.2	
S 126 Xylenes, Total	1				0		144.1	
S 123 1,3-Dichloropropene, Total	1				0		99.7	
S 124 1,2-Dichloroethene, Total	1				0		96.3	

Report Date: 17-Apr-2012 09:49:02

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5975T\20120416-11026.b\T7047.D

Injection Date: 16-Apr-2012 15:36:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5975T

Lims Batch ID: 59786

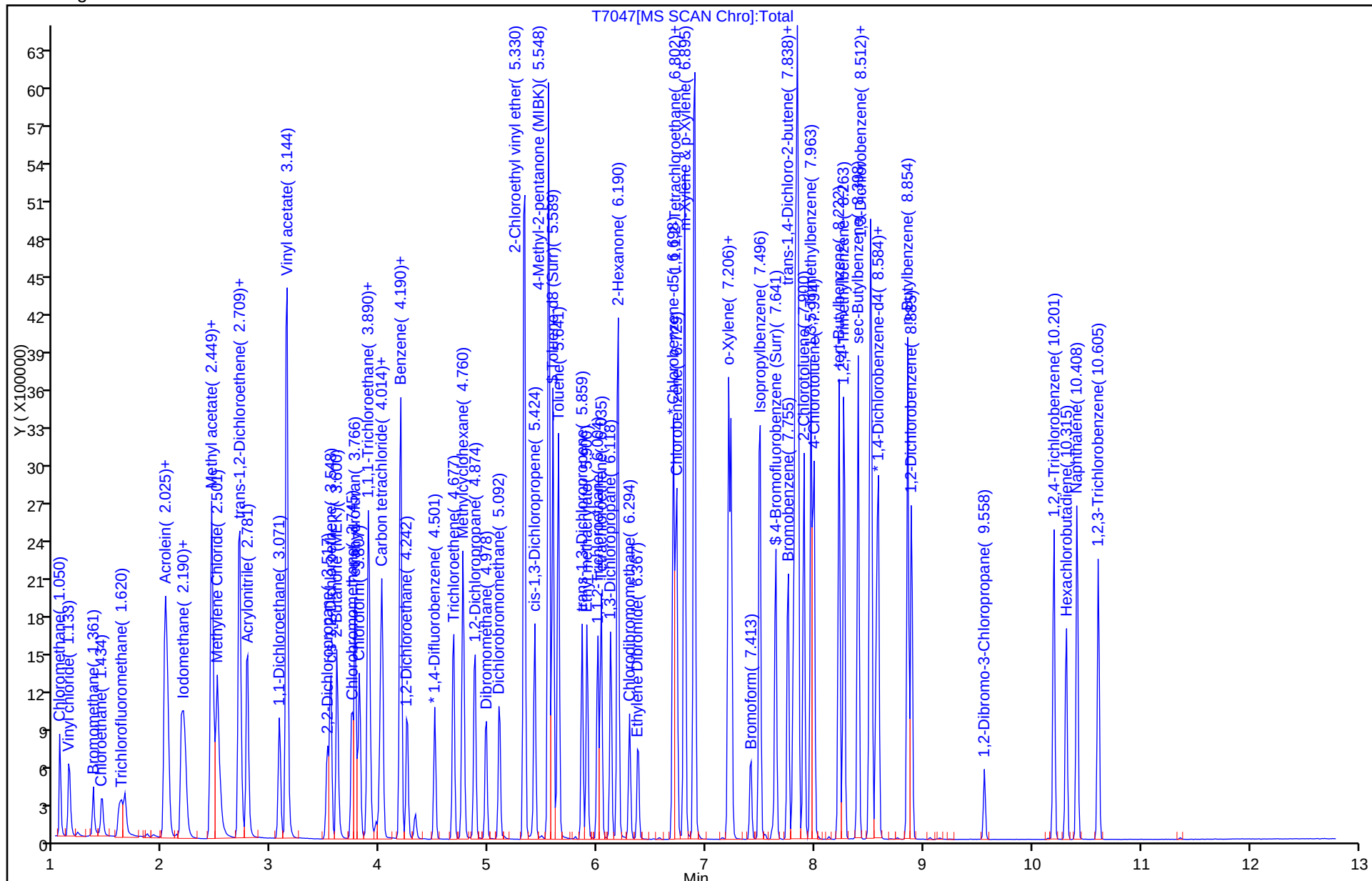
Lims Sample ID: 6

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



06/01/2012

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20120416-11026.b\T7048.D
 Lims ID: IC 6 Client ID:
 Inject. Date: 16-Apr-2012 16:00:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: IC 6
 Misc. Info.: 480-0011026-007
 Operator: LH Instrument ID: HP5975T
 Vol. Injected: 1.0000 ALS Bottle#: 15
 Lims Batch ID: 59786 Lims Sample ID: 7
 Sublist: chrom-T-8260*sub3
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5975T\20120416-11026.b\T-8260.m
 Last Update: 17-Apr-2012 09:49:04 Calib Date: 16-Apr-2012 21:30:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5975T\20120416-11026.b\T7062.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: BrandtT

Date: 17-Apr-2012 09:49:04

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.501	4.501	0.0	95	640099	25.0	
* 2 Chlorobenzene-d5	117	6.709	6.709	0.0	83	569347	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.564	8.564	0.0	89	277873	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.190	4.190	0.0	0	1140741	99.4	
\$ 6 Toluene-d8 (Surr)	98	5.589	5.589	0.0	90	3435720	102.0	
\$ 7 4-Bromofluorobenzene (Surr)	174	7.641	7.641	0.0	89	1042899	100.5	
11 Dichlorodifluoromethane	85	0.936	0.936	0.0	88	785692	94.5	
13 Chloromethane	50	1.050	1.050	0.0	89	1166485	91.0	
14 Vinyl chloride	62	1.144	1.133	0.011	84	1043943	90.1	
15 Bromomethane	94	1.361	1.361	0.0	93	338954	97.2	
16 Chloroethane	64	1.444	1.434	0.010	94	536471	97.0	
17 Trichlorofluoromethane	101	1.620	1.610	0.010	85	955535	99.3	
21 Acrolein	56	2.014	2.014	0.0	100	1879956	1946.4	
22 1,1-Dichloroethene	96	2.035	2.025	0.010	85	705566	93.3	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.035	2.035	0.0	58	659829	91.8	
24 Iodomethane	142	2.180	2.170	0.010	99	912030	92.9	
23 Acetone	43	2.170	2.170	0.0	99	1792320	466.3	
25 Carbon disulfide	76	2.201	2.190	0.011	100	2207993	93.8	
28 Methyl acetate	43	2.439	2.439	0.0	97	1262836	92.7	
29 Acetonitrile	40	2.449	2.449	0.0	99	3350812	3653.1	
30 Methylene Chloride	84	2.501	2.501	0.0	89	834468	88.1	
32 trans-1,2-Dichloroethene	96	2.698	2.698	0.0	92	828760	93.1	
33 Methyl tert-butyl ether	73	2.708	2.709	-0.001	91	2700545	94.8	
34 Acrylonitrile	53	2.781	2.771	0.010	99	2174423	480.5	
36 1,1-Dichloroethane	63	3.071	3.071	0.0	85	1607961	92.7	
39 Vinyl acetate	43	3.144	3.133	0.011	97	11909058	510.1	
42 2,2-Dichloropropane	77	3.517	3.517	0.0	90	773381	85.9	
43 cis-1,2-Dichloroethene	96	3.548	3.548	0.0	67	909535	91.8	
44 2-Butanone (MEK)	43	3.600	3.600	0.0	99	3140376	467.6	
47 Chlorobromomethane	128	3.745	3.745	0.0	94	456704	93.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
48 Tetrahydrofuran	42	3.766	3.766	0.0	91	2003940	463.5	
50 Chloroform	83	3.807	3.807	0.0	81	1499913	93.1	
51 1,1,1-Trichloroethane	97	3.890	3.890	0.0	90	1169569	93.2	
52 Cyclohexane	56	3.890	3.890	0.0	93	1597481	92.9	
53 Carbon tetrachloride	117	4.004	4.004	0.0	81	1054077	100.3	
54 1,1-Dichloropropene	75	4.014	4.014	0.0	92	1177130	92.0	
55 Benzene	78	4.190	4.190	0.0	96	3404493	93.8	
57 1,2-Dichloroethane	62	4.253	4.242	0.011	91	1268727	90.9	
60 Trichloroethene	95	4.677	4.667	0.010	94	877514	91.8	
62 Methylcyclohexane	83	4.760	4.760	0.0	94	1505702	97.8	
63 1,2-Dichloropropane	63	4.874	4.864	0.010	94	958059	95.7	
65 Dibromomethane	93	4.978	4.968	0.010	91	568212	92.6	
67 Dichlorobromomethane	83	5.092	5.092	0.0	93	1145678	101.9	
69 2-Chloroethyl vinyl ether	63	5.330	5.320	0.010	90	3959474	492.1	
71 cis-1,3-Dichloropropene	75	5.424	5.424	0.0	87	1443514	96.0	
72 4-Methyl-2-pentanone (MIBK)	43	5.548	5.548	0.0	98	6590567	473.5	
73 Toluene	92	5.641	5.641	0.0	98	2132360	94.4	
75 trans-1,3-Dichloropropene	75	5.859	5.859	0.0	92	1376966	100.6	
77 Ethyl methacrylate	69	5.900	5.900	0.0	91	1308006	100.3	
78 1,1,2-Trichloroethane	83	6.004	6.004	0.0	87	700981	93.4	
79 Tetrachloroethene	166	6.035	6.035	0.0	87	890927	93.5	
80 1,3-Dichloropropane	76	6.118	6.118	0.0	94	1429641	94.7	
81 2-Hexanone	43	6.190	6.191	-0.001	98	4800438	472.8	
82 Chlorodibromomethane	129	6.294	6.294	0.0	88	835996	107.8	
83 Ethylene Dibromide	107	6.377	6.367	0.010	98	877978	96.2	
86 Chlorobenzene	112	6.729	6.729	0.0	93	2379727	93.6	
89 1,1,1,2-Tetrachloroethane	131	6.802	6.802	0.0	40	811889	99.8	
88 Ethylbenzene	91	6.802	6.802	0.0	99	4073157	93.4	
90 m-Xylene & p-Xylene	106	6.895	6.895	0.0	99	3172025	190.4	
91 o-Xylene	106	7.206	7.206	0.0	98	1515420	91.9	
92 Styrene	104	7.227	7.227	0.0	96	2613752	96.1	
93 Bromoform	173	7.413	7.413	0.0	97	553987	114.6	
95 Isopropylbenzene	105	7.496	7.496	0.0	95	4110015	99.8	
97 Bromobenzene	156	7.755	7.755	0.0	95	997752	97.8	
98 1,1,2,2-Tetrachloroethane	83	7.807	7.797	0.010	77	1147624	98.3	
99 N-Propylbenzene	91	7.817	7.818	-0.001	99	5198088	102.2	
100 1,2,3-Trichloropropane	110	7.828	7.828	0.0	74	347653	94.1	
101 trans-1,4-Dichloro-2-butene	53	7.838	7.838	0.0	92	2180963	522.9	
105 2-Chlorotoluene	126	7.900	7.900	0.0	96	929776	98.4	
104 1,3,5-Trimethylbenzene	105	7.963	7.963	0.0	93	3259081	96.9	
102 4-Chlorotoluene	91	7.994	7.994	0.0	98	3228159	97.8	
106 tert-Butylbenzene	134	8.222	8.222	0.0	93	686307	92.6	
107 1,2,4-Trimethylbenzene	105	8.263	8.263	0.0	96	3313715	96.5	
109 sec-Butylbenzene	105	8.398	8.398	0.0	94	4224216	97.4	
110 1,3-Dichlorobenzene	146	8.501	8.501	0.0	97	1817033	94.1	
111 4-Isopropyltoluene	119	8.522	8.522	0.0	97	3405559	95.4	
113 1,4-Dichlorobenzene	146	8.584	8.584	0.0	94	1872422	93.5	
115 n-Butylbenzene	91	8.854	8.854	0.0	98	3263770	95.0	
116 1,2-Dichlorobenzene	146	8.885	8.885	0.0	95	1686879	90.2	
117 1,2-Dibromo-3-Chloropropane	75	9.558	9.559	-0.001	84	188781	99.5	
119 1,2,4-Trichlorobenzene	180	10.201	10.201	0.0	90	1198207	88.0	
120 Hexachlorobutadiene	225	10.315	10.315	0.0	96	505686	98.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	10.408	10.408	0.0	98	3207123	90.4	
122 1,2,3-Trichlorobenzene	180	10.605	10.605	0.0	92	1037902	87.3	
S 125 Total BTEX	1				0		564.0	
S 126 Xylenes, Total	1				0		282.3	
S 123 1,3-Dichloropropene, Total	1				0		196.7	
S 124 1,2-Dichloroethene, Total	1				0		185.0	

Report Date: 17-Apr-2012 09:49:04

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5975T\20120416-11026.b\T7048.D

Injection Date: 16-Apr-2012 16:00:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5975T

Lims Batch ID: 59786

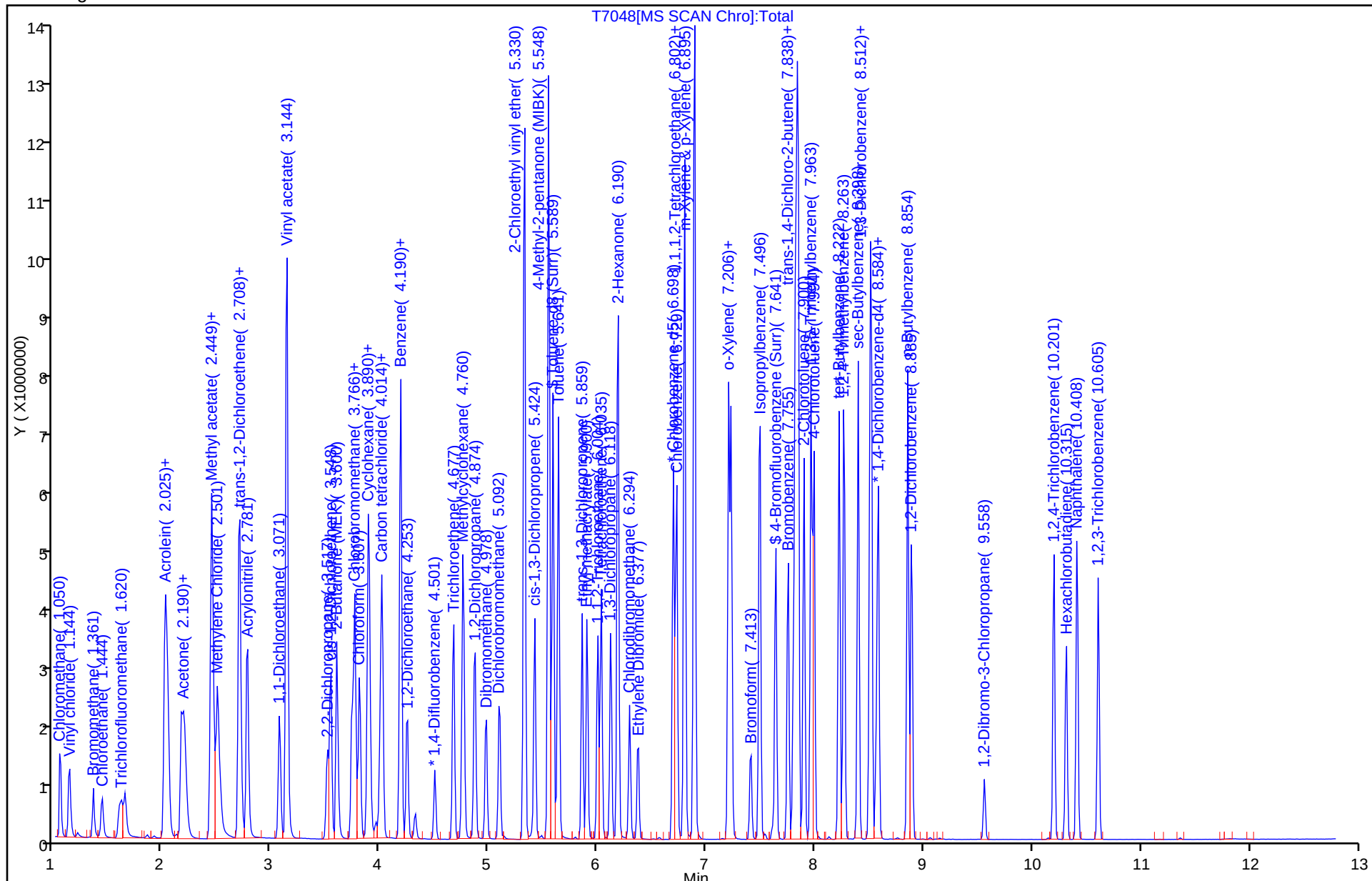
Lims Sample ID: 7

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20120416-11026.b\T7052.D
 Lims ID: IC Client ID:
 Inject. Date: 16-Apr-2012 17:35:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: IC
 Misc. Info.: 480-0011026-016
 Operator: LH Instrument ID: HP5975T
 Vol. Injected: 1.0000 ALS Bottle#: 19
 Lims Batch ID: 59786 Lims Sample ID: 16
 Sublist: chrom-T-8260*sub3
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5975T\20120416-11026.b\T-8260.m
 Last Update: 17-Apr-2012 09:49:07 Calib Date: 16-Apr-2012 21:30:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5975T\20120416-11026.b\T7062.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: BrandtT

Date: 17-Apr-2012 09:49:07

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.501	4.501	0.0	95	549404	25.0	
* 2 Chlorobenzene-d5	117	6.709	6.709	0.0	85	483503	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.564	8.564	0.0	95	263122	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.190	4.190	0.0	0	8018	0.8140	
\$ 6 Toluene-d8 (Surr)	98	5.589	5.589	0.0	60	23453	0.8199	
\$ 7 4-Bromofluorobenzene (Surr)	174	7.641	7.641	0.0	82	7374	0.8371	
11 Dichlorodifluoromethane	85	0.936	0.936	0.0	64	6089	0.8536	
13 Chloromethane	50	1.050	1.050	0.0	83	10658	0.9689	
14 Vinyl chloride	62	1.123	1.133	-0.010	70	9479	0.9530	
15 Bromomethane	94	1.361	1.361	0.0	69	4394	1.47	
16 Chloroethane	64	1.423	1.434	-0.011	72	6856	1.44	
17 Trichlorofluoromethane	101	1.600	1.610	-0.010	51	6591	0.7983	
21 Acrolein	56	2.014	2.014	0.0	94	17829	21.5	
22 1,1-Dichloroethene	96	2.035	2.025	0.010	76	6046	0.9318	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.035	2.035	0.0	34	5801	0.9406	
24 Iodomethane	142	2.180	2.170	0.010	33	7884	0.9356	
23 Acetone	43	2.170	2.170	0.0	90	17314	5.25	
25 Carbon disulfide	76	2.190	2.190	0.0	95	19671	0.9734	
28 Methyl acetate	43	2.439	2.439	0.0	85	12074	1.03	
29 Acetonitrile	40	2.449	2.449	0.0	97	34641	44.0	
30 Methylene Chloride	84	2.501	2.501	0.0	80	9407	1.16	
32 trans-1,2-Dichloroethene	96	2.698	2.698	0.0	94	7728	1.01	
33 Methyl tert-butyl ether	73	2.708	2.709	-0.001	92	23664	0.9676	
34 Acrylonitrile	53	2.781	2.771	0.010	90	17874	4.60	
36 1,1-Dichloroethane	63	3.071	3.071	0.0	72	14369	0.9651	
39 Vinyl acetate	43	3.144	3.133	0.011	97	89537	4.47	
42 2,2-Dichloropropane	77	3.517	3.517	0.0	73	7457	0.9650	
43 cis-1,2-Dichloroethene	96	3.537	3.548	-0.011	50	8496	1.00	
44 2-Butanone (MEK)	43	3.610	3.600	0.010	98	29580	5.13	
47 Chlorobromomethane	128	3.734	3.745	-0.011	84	4031	0.9579	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
48 Tetrahydrofuran	42	3.786	3.766	0.020	85	18095	4.88	
50 Chloroform	83	3.807	3.807	0.0	74	13321	0.9629	
51 1,1,1-Trichloroethane	97	3.890	3.890	0.0	60	9753	0.9053	
52 Cyclohexane	56	3.890	3.890	0.0	90	14161	0.9595	
53 Carbon tetrachloride	117	4.004	4.004	0.0	70	8749	0.9702	
54 1,1-Dichloropropene	75	4.014	4.014	0.0	82	10571	0.9626	
55 Benzene	78	4.180	4.190	-0.010	94	29879	0.9592	
57 1,2-Dichloroethane	62	4.242	4.242	0.0	81	11981	1.00	
60 Trichloroethene	95	4.677	4.667	0.010	76	8116	0.9888	
62 Methylcyclohexane	83	4.760	4.760	0.0	82	10988	0.8317	
63 1,2-Dichloropropane	63	4.874	4.864	0.010	82	7895	0.9187	
65 Dibromomethane	93	4.968	4.968	0.0	80	5061	0.9608	
67 Dichlorobromomethane	83	5.092	5.092	0.0	80	8228	0.8526	
69 2-Chloroethyl vinyl ether	63	5.330	5.320	0.010	90	32035	4.64	
71 cis-1,3-Dichloropropene	75	5.424	5.424	0.0	69	12448	0.9646	
72 4-Methyl-2-pentanone (MIBK)	43	5.558	5.548	0.010	97	59279	5.02	
73 Toluene	92	5.641	5.641	0.0	93	18578	0.9689	
75 trans-1,3-Dichloropropene	75	5.859	5.859	0.0	78	9963	0.8574	
77 Ethyl methacrylate	69	5.900	5.900	0.0	82	10870	0.9819	
78 1,1,2-Trichloroethane	83	6.004	6.004	0.0	78	6997	1.10	
79 Tetrachloroethene	166	6.035	6.035	0.0	80	7728	0.9552	
80 1,3-Dichloropropane	76	6.118	6.118	0.0	86	11269	0.8789	
81 2-Hexanone	43	6.190	6.191	-0.001	98	45197	5.24	
82 Chlorodibromomethane	129	6.294	6.294	0.0	70	6121	0.9299	
83 Ethylene Dibromide	107	6.367	6.367	0.0	70	7263	0.9374	
86 Chlorobenzene	112	6.729	6.729	0.0	77	20182	0.9347	
89 1,1,1,2-Tetrachloroethane	131	6.802	6.802	0.0	27	7086	1.03	
88 Ethylbenzene	91	6.802	6.802	0.0	92	35768	0.9658	
90 m-Xylene & p-Xylene	106	6.885	6.895	-0.010	98	25280	1.79	
91 o-Xylene	106	7.206	7.206	0.0	91	13611	0.9724	
92 Styrene	104	7.227	7.227	0.0	85	22300	0.9650	
93 Bromoform	173	7.413	7.413	0.0	64	3653	0.8901	
95 Isopropylbenzene	105	7.496	7.496	0.0	90	36459	0.9349	
97 Bromobenzene	156	7.755	7.755	0.0	92	9347	0.9680	
98 1,1,2,2-Tetrachloroethane	83	7.797	7.797	0.0	68	10123	0.9158	
99 N-Propylbenzene	91	7.817	7.818	-0.001	96	43041	0.8936	
100 1,2,3-Trichloropropane	110	7.828	7.828	0.0	69	3434	0.9817	
101 trans-1,4-Dichloro-2-butene	53	7.838	7.838	0.0	88	19315	4.89	
105 2-Chlorotoluene	126	7.900	7.900	0.0	88	7517	0.8397	
104 1,3,5-Trimethylbenzene	105	7.962	7.963	-0.001	88	30019	0.9422	
102 4-Chlorotoluene	91	7.994	7.994	0.0	92	30490	0.9753	
106 tert-Butylbenzene	134	8.222	8.222	0.0	86	6751	0.9619	
107 1,2,4-Trimethylbenzene	105	8.263	8.263	0.0	89	29082	0.8943	
109 sec-Butylbenzene	105	8.398	8.398	0.0	84	36418	0.8867	
110 1,3-Dichlorobenzene	146	8.501	8.501	0.0	90	16907	0.9251	
111 4-Isopropyltoluene	119	8.522	8.522	0.0	88	30712	0.9085	
113 1,4-Dichlorobenzene	146	8.584	8.584	0.0	76	19407	1.02	
115 n-Butylbenzene	91	8.854	8.854	0.0	92	29921	0.9197	
116 1,2-Dichlorobenzene	146	8.885	8.885	0.0	90	17205	0.9716	
117 1,2-Dibromo-3-Chloropropane	75	9.558	9.559	-0.001	20	1523	0.8480	
119 1,2,4-Trichlorobenzene	180	10.201	10.201	0.0	78	13596	1.05	
120 Hexachlorobutadiene	225	10.315	10.315	0.0	65	6641	1.37	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	10.408	10.408	0.0	85	30502	0.9082	
122 1,2,3-Trichlorobenzene	180	10.605	10.605	0.0	79	10850	0.9643	
S 125 Total BTEX	1				0		5.65	
S 126 Xylenes, Total	1				0		2.76	
S 123 1,3-Dichloropropene, Total	1				0		1.82	
S 124 1,2-Dichloroethene, Total	1				0		2.01	

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1

SDG No.: _____

Lab Sample ID: CCVIS 480-65164/2 Calibration Date: 05/19/2012 09:59

Instrument ID: HP5973N Calib Start Date: 05/08/2012 22:15

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 05/09/2012 00:14

Lab File ID: N7829.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2973	0.3322		27.9	25.0	11.7	50.0
Chloromethane	Ave	0.6466	0.5977	0.1000	23.1	25.0	-7.6	50.0
Vinyl chloride	Ave	0.4529	0.4396		24.3	25.0	-2.9	20.0
Bromomethane	Qua		0.0821		31.9	25.0	27.6	50.0
Chloroethane	Ave	0.1944	0.1478		19.0	25.0	-24.0	50.0
Trichlorofluoromethane	Ave	0.2826	0.2592		22.9	25.0	-8.3	50.0
Acrolein	Ave	0.0290	0.0278		480	500	-4.1	50.0
1,1-Dichloroethene	Ave	0.2567	0.2365	0.1000	23.0	25.0	-7.8	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2220	0.2327		26.2	25.0	4.8	50.0
Acetone	Ave	0.1987	0.1704		107	125	-14.3	50.0
Iodomethane	Ave	0.3869	0.4219		27.3	25.0	9.1	50.0
Carbon disulfide	Ave	0.8740	0.7615		21.8	25.0	-12.9	50.0
Acetonitrile	Ave	0.0473	0.0444		938	1000	-6.2	50.0
Methyl acetate	Ave	0.8772	1.001		28.5	25.0	14.2	50.0
Methylene Chloride	Ave	0.3442	0.3809		27.7	25.0	10.7	50.0
trans-1,2-Dichloroethene	Ave	0.3114	0.3440		27.6	25.0	10.5	50.0
Methyl tert-butyl ether	Ave	1.029	1.161		28.2	25.0	12.8	50.0
Acrylonitrile	Ave	0.2087	0.2218		133	125	6.3	50.0
1,1-Dichloroethane	Ave	0.7474	0.8272		27.7	25.0	10.7	50.0
Vinyl acetate	Ave	0.9920	1.098		138	125	10.7	50.0
2,2-Dichloropropane	Ave	0.2733	0.2528		23.1	25.0	-7.5	50.0
cis-1,2-Dichloroethene	Ave	0.3279	0.3509		26.8	25.0	7.0	50.0
2-Butanone (MEK)	Ave	0.3134	0.3286		131	125	4.9	50.0
Bromochloromethane	Ave	0.1502	0.1614		26.9	25.0	7.5	50.0
Tetrahydrofuran	Ave	0.2092	0.2191		131	125	4.7	50.0
Chloroform	Ave	0.5269	0.5754		27.3	25.0	9.2	20.0
1,1,1-Trichloroethane	Ave	0.3817	0.3973		26.0	25.0	4.1	50.0
Cyclohexane	Ave	0.8535	0.9629		28.2	25.0	12.8	50.0
Carbon tetrachloride	Ave	0.3195	0.2962		23.2	25.0	-7.3	50.0
1,1-Dichloropropene	Ave	0.4338	0.4901		28.2	25.0	13.0	50.0
Benzene	Ave	1.299	1.370		26.4	25.0	5.5	50.0
1,2-Dichloroethane	Ave	0.5470	0.5969		27.3	25.0	9.1	50.0
Trichloroethene	Ave	0.3020	0.3260		27.0	25.0	7.9	50.0
Methylcyclohexane	Ave	0.5268	0.5970		28.3	25.0	13.3	50.0
1,2-Dichloropropane	Ave	0.4028	0.4197		26.0	25.0	4.2	20.0
Dibromomethane	Ave	0.1650	0.1747		26.5	25.0	5.9	50.0
Bromodichloromethane	Ave	0.3270	0.3167		24.2	25.0	-3.2	50.0
2-Chloroethyl vinyl ether	Ave	0.2650	0.2899		137	125	9.4	50.0
cis-1,3-Dichloropropene	Ave	0.4490	0.4475		24.9	25.0	-0.3	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.7381	0.7749		131	125	5.0	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1

SDG No.: _____

Lab Sample ID: CCVIS 480-65164/2 Calibration Date: 05/19/2012 09:59

Instrument ID: HP5973N Calib Start Date: 05/08/2012 22:15

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 05/09/2012 00:14

Lab File ID: N7829.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toluene	Ave	0.9190	0.9878		26.9	25.0	7.5	20.0
trans-1,3-Dichloropropene	Ave	0.4830	0.4798		24.8	25.0	-0.7	50.0
Ethyl methacrylate	Ave	0.4886	0.5241		26.8	25.0	7.3	50.0
1,1,2-Trichloroethane	Ave	0.2578	0.2780		27.0	25.0	7.9	50.0
Tetrachloroethene	Ave	0.3546	0.3927		27.7	25.0	10.7	50.0
1,3-Dichloropropane	Ave	0.5703	0.6113		26.8	25.0	7.2	50.0
2-Hexanone	Ave	0.5128	0.5572		136	125	8.6	50.0
Dibromochloromethane	Lin		0.2303		20.2	25.0	-19.2	50.0
1,2-Dibromoethane	Ave	0.3180	0.3297		25.9	25.0	3.7	50.0
Chlorobenzene	Ave	1.000	1.041	0.3000	26.0	25.0	4.1	50.0
1,1,1,2-Tetrachloroethane	Ave	0.2999	0.2871		23.9	25.0	-4.3	50.0
Ethylbenzene	Ave	1.702	1.844		27.1	25.0	8.3	20.0
m-Xylene & p-Xylene	Ave	0.6700	0.7280		54.3	50.0	8.7	50.0
o-Xylene	Ave	0.6554	0.6819		26.0	25.0	4.0	50.0
Styrene	Ave	1.037	1.104		26.6	25.0	6.4	50.0
Bromoform	Lin		0.1026	0.1000	17.3	25.0	-30.8	50.0
Isopropylbenzene	Ave	3.427	3.582		26.1	25.0	4.5	50.0
Bromobenzene	Ave	0.7584	0.7905		26.1	25.0	4.2	50.0
1,1,2,2-Tetrachloroethane	Ave	0.8192	0.8328	0.3000	25.4	25.0	1.7	50.0
1,2,3-Trichloropropane	Ave	0.2564	0.2749		26.8	25.0	7.2	50.0
N-Propylbenzene	Ave	4.096	4.264		26.0	25.0	4.1	50.0
trans-1,4-Dichloro-2-butene	Ave	0.3966	0.3938		124	125	-0.7	50.0
2-Chlorotoluene	Ave	0.7727	0.7871		25.5	25.0	1.9	50.0
1,3,5-Trimethylbenzene	Ave	2.766	2.947		26.6	25.0	6.5	50.0
4-Chlorotoluene	Ave	2.787	2.928		26.3	25.0	5.1	50.0
tert-Butylbenzene	Ave	0.5593	0.5749		25.7	25.0	2.8	50.0
1,2,4-Trimethylbenzene	Ave	2.760	2.943		26.7	25.0	6.6	50.0
sec-Butylbenzene	Ave	3.453	3.606		26.1	25.0	4.4	50.0
1,3-Dichlorobenzene	Ave	1.467	1.510		25.7	25.0	2.9	50.0
4-Isopropyltoluene	Ave	2.730	2.914		26.7	25.0	6.8	50.0
1,4-Dichlorobenzene	Ave	1.513	1.570		25.9	25.0	3.7	50.0
n-Butylbenzene	Ave	2.542	2.708		26.6	25.0	6.5	50.0
1,2-Dichlorobenzene	Ave	1.355	1.408		26.0	25.0	3.9	50.0
1,2-Dibromo-3-Chloropropane	Lin1		0.0948		23.8	25.0	-4.8	50.0
1,2,4-Trichlorobenzene	Ave	0.6580	0.7300		27.7	25.0	10.9	50.0
Hexachlorobutadiene	Qua		0.3274		26.0	25.0	4.0	50.0
Naphthalene	Ave	1.808	1.991		27.5	25.0	10.1	50.0
1,2,3-Trichlorobenzene	Ave	0.5437	0.6176		28.4	25.0	13.6	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3965	0.4653		29.3	25.0	17.4	50.0
Toluene-d8 (Surr)	Ave	1.267	1.524		30.1	25.0	20.3	50.0
4-Bromofluorobenzene (Surr)	Ave	0.3500	0.4002		28.6	25.0	14.3	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20120519-12045.b\N7829.D
 Lims ID: CCVIS Client ID:
 Inject. Date: 19-May-2012 09:59:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: CCVIS
 Misc. Info.: 480-0012045-002
 Operator: LH Instrument ID: HP5973N
 Vol. Injected: 1.0000 ALS Bottle#: 46
 Lims Batch ID: 65164 Lims Sample ID: 2
 Sublist: chrom-N-8260*sub7
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20120519-12045.b\N-8260.m
 Last Update: 19-May-2012 10:17:38 Calib Date: 09-May-2012 04:33:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICAL File: \\Bufchrom\ChromData\HP5973N\20120508-11730.b\N7451.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: HillL

Date: 19-May-2012 10:17:38

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.519	4.519	0.0	95	875516	25.0	
* 2 Chlorobenzene-d5	117	7.311	7.311	0.0	91	707376	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.781	9.781	0.0	73	357032	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.129	4.129	0.0	61	407402	29.3	
\$ 6 Toluene-d8 (Surr)	98	5.869	5.869	0.0	83	1077908	30.1	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.558	8.558	0.0	85	283069	28.6	
11 Dichlorodifluoromethane	85	0.935	0.935	0.0	86	290850	27.9	
13 Chloromethane	50	1.020	1.020	0.0	89	523268	23.1	
14 Vinyl chloride	62	1.100	1.100	0.0	84	384899	24.3	
15 Bromomethane	94	1.288	1.288	0.0	90	71843	31.9	
16 Chloroethane	64	1.361	1.361	0.0	86	129369	19.0	
18 Trichlorofluoromethane	101	1.525	1.525	0.0	81	226938	22.9	
20 Acrolein	56	1.836	1.836	0.0	93	486416	479.7	
22 1,1-Dichloroethene	96	1.860	1.860	0.0	82	207083	23.0	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	1.872	1.872	0.0	80	203719	26.2	
23 Acetone	43	1.976	1.976	0.0	95	745919	107.2	
24 Iodomethane	142	1.988	1.988	0.0	96	369384	27.3	
25 Carbon disulfide	76	2.018	2.018	0.0	99	666698	21.8	
29 Acetonitrile	40	2.231	2.231	0.0	99	1553460	938.3	
28 Methyl acetate	43	2.231	2.231	0.0	59	876749	28.5	
30 Methylene Chloride	84	2.298	2.298	0.0	82	333443	27.7	
33 trans-1,2-Dichloroethene	96	2.505	2.505	0.0	84	301201	27.6	
32 Methyl tert-butyl ether	73	2.511	2.511	0.0	85	1016084	28.2	
34 Acrylonitrile	53	2.554	2.554	0.0	96	970895	132.9	
36 1,1-Dichloroethane	63	2.876	2.876	0.0	85	724252	27.7	
39 Vinyl acetate	43	2.949	2.949	0.0	97	4806185	138.3	
42 2,2-Dichloropropane	77	3.357	3.357	0.0	80	221321	23.1	
43 cis-1,2-Dichloroethene	96	3.393	3.393	0.0	74	307246	26.8	
44 2-Butanone (MEK)	43	3.448	3.448	0.0	96	1438523	131.1	
47 Chlorobromomethane	128	3.612	3.612	0.0	80	141328	26.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	3.649	3.649	0.0	91	959180	130.9	
50 Chloroform	83	3.697	3.697	0.0	97	503783	27.3	
51 1,1,1-Trichloroethane	97	3.795	3.795	0.0	84	347819	26.0	
52 Cyclohexane	56	3.801	3.801	0.0	93	843051	28.2	
53 Carbon tetrachloride	117	3.922	3.922	0.0	78	259314	23.2	
54 1,1-Dichloropropene	75	3.941	3.941	0.0	81	429065	28.2	
55 Benzene	78	4.129	4.129	0.0	92	1199310	26.4	
57 1,2-Dichloroethane	62	4.196	4.196	0.0	89	522603	27.3	
60 Trichloroethene	95	4.725	4.725	0.0	90	285376	27.0	
62 Methylcyclohexane	83	4.841	4.841	0.0	93	522707	28.3	
63 1,2-Dichloropropane	63	4.950	4.950	0.0	87	367440	26.0	
64 Dibromomethane	93	5.078	5.078	0.0	92	152978	26.5	
67 Dichlorobromomethane	83	5.242	5.242	0.0	85	277234	24.2	
69 2-Chloroethyl vinyl ether	63	5.541	5.541	0.0	84	1268834	136.7	
71 cis-1,3-Dichloropropene	75	5.656	5.656	0.0	79	391785	24.9	
72 4-Methyl-2-pentanone (MIBK)	43	5.820	5.820	0.0	99	2740538	131.2	
73 Toluene	92	5.930	5.930	0.0	90	698746	26.9	
75 trans-1,3-Dichloropropene	75	6.216	6.216	0.0	91	339408	24.8	
77 Ethyl methacrylate	69	6.301	6.301	0.0	88	370719	26.8	
78 1,1,2-Trichloroethane	83	6.398	6.398	0.0	88	196665	27.0	
79 Tetrachloroethene	166	6.447	6.447	0.0	86	277761	27.7	
80 1,3-Dichloropropane	76	6.550	6.550	0.0	89	432424	26.8	
82 2-Hexanone	43	6.648	6.648	0.0	98	1970617	135.8	
83 Chlorodibromomethane	129	6.776	6.776	0.0	85	162906	20.2	
84 Ethylene Dibromide	107	6.855	6.855	0.0	98	233223	25.9	
85 Chlorobenzene	112	7.341	7.341	0.0	88	736389	26.0	
89 1,1,1,2-Tetrachloroethane	131	7.445	7.445	0.0	78	203088	23.9	
88 Ethylbenzene	91	7.445	7.445	0.0	98	1304203	27.1	
90 m-Xylene & p-Xylene	106	7.572	7.572	0.0	98	1029938	54.3	
91 o-Xylene	106	7.986	7.986	0.0	98	482368	26.0	
92 Styrene	104	8.017	8.017	0.0	94	781133	26.6	
93 Bromoform	173	8.236	8.236	0.0	95	72561	17.3	
95 Isopropylbenzene	105	8.376	8.376	0.0	97	1278980	26.1	
97 Bromobenzene	156	8.692	8.692	0.0	95	282221	26.1	
98 1,1,2,2-Tetrachloroethane	83	8.789	8.789	0.0	87	297324	25.4	
99 1,2,3-Trichloropropane	110	8.807	8.807	0.0	85	98135	26.8	
100 N-Propylbenzene	91	8.814	8.814	0.0	96	1522415	26.0	
101 trans-1,4-Dichloro-2-butene	53	8.838	8.838	0.0	70	702992	124.1	
102 2-Chlorotoluene	126	8.905	8.905	0.0	94	281027	25.5	
104 1,3,5-Trimethylbenzene	105	9.014	9.014	0.0	85	1052313	26.6	
105 4-Chlorotoluene	91	9.026	9.026	0.0	98	1045564	26.3	
106 tert-Butylbenzene	134	9.355	9.355	0.0	94	205242	25.7	
108 1,2,4-Trimethylbenzene	105	9.416	9.416	0.0	91	1050633	26.7	
109 sec-Butylbenzene	105	9.586	9.586	0.0	95	1287526	26.1	
110 1,3-Dichlorobenzene	146	9.702	9.702	0.0	95	539102	25.7	
111 4-Isopropyltoluene	119	9.744	9.744	0.0	88	1040428	26.7	
113 1,4-Dichlorobenzene	146	9.805	9.805	0.0	92	560384	25.9	
115 n-Butylbenzene	91	10.158	10.158	0.0	95	966761	26.6	
116 1,2-Dichlorobenzene	146	10.170	10.170	0.0	93	502837	26.0	
117 1,2-Dibromo-3-Chloropropane	75	10.937	10.937	0.0	57	33859	23.8	
119 1,2,4-Trichlorobenzene	180	11.636	11.636	0.0	93	260625	27.7	
120 Hexachlorobutadiene	225	11.776	11.776	0.0	94	116877	26.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	11.843	11.843	0.0	97	710928	27.5	
122 1,2,3-Trichlorobenzene	180	12.056	12.056	0.0	95	220513	28.4	
S 125 Total BTEX	1				0		160.7	
S 126 Xylenes, Total	1				0		80.3	
S 123 1,3-Dichloropropene, Total	1				0		49.8	
S 124 1,2-Dichloroethene, Total	1				0		54.4	

Report Date: 19-May-2012 10:17:38

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973N\20120519-12045.b\N7829.D

Injection Date: 19-May-2012 09:59:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 65164

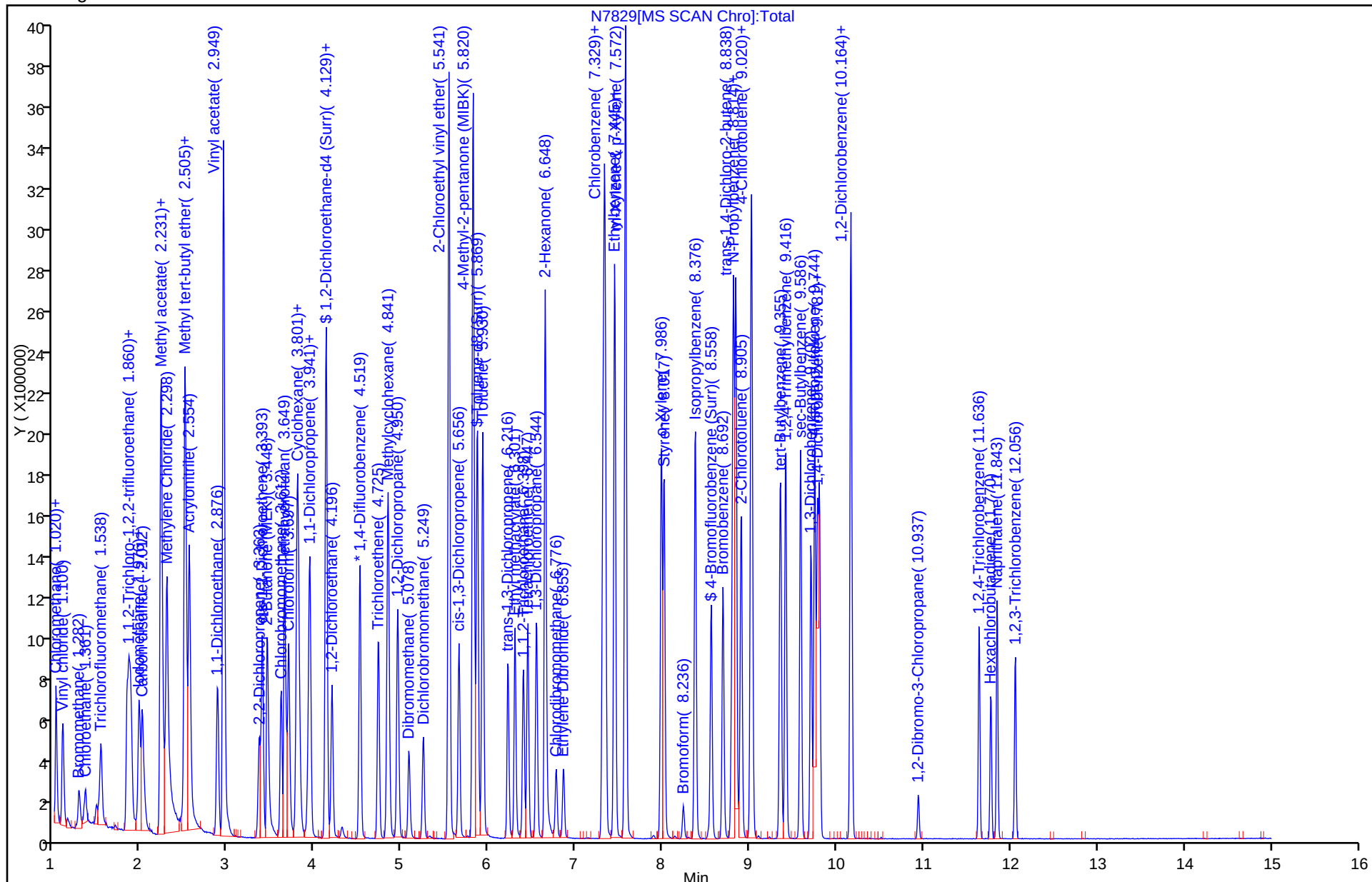
Lims Sample ID: 2

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



06/01/2012

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1

SDG No.: _____

Lab Sample ID: CCVIS 480-65291/2 Calibration Date: 05/21/2012 10:31

Instrument ID: HP5975T Calib Start Date: 04/16/2012 14:25

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 04/16/2012 17:35

Lab File ID: T8444.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3246	0.3568		27.5	25.0	9.9	50.0
Chloromethane	Ave	0.5006	0.4892	0.1000	24.4	25.0	-2.3	50.0
Vinyl chloride	Ave	0.4526	0.4760		26.3	25.0	5.2	20.0
Bromomethane	Lin1F		0.1494		27.3	25.0	9.2	50.0
Chloroethane	Lin1F		0.2251		25.9	25.0	3.6	50.0
Trichlorofluoromethane	Ave	0.3757	0.4235		28.2	25.0	12.7	50.0
Acrolein	Ave	0.0377	0.0282		373	500	-25.3	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2806	0.3218		28.7	25.0	14.7	50.0
1,1-Dichloroethene	Ave	0.2953	0.3113	0.1000	26.4	25.0	5.4	20.0
Acetone	Ave	0.1501	0.1212		101	125	-19.3	50.0
Iodomethane	Ave	0.3835	0.4473		29.2	25.0	16.6	50.0
Carbon disulfide	Ave	0.9196	0.8775		23.9	25.0	-4.6	50.0
Methyl acetate	Ave	0.5320	0.5178		24.3	25.0	-2.7	50.0
Acetonitrile	Ave	0.0358	0.0276		770	1000	-23.0	50.0
Methylene Chloride	Ave	0.3699	0.3469		23.4	25.0	-6.2	50.0
trans-1,2-Dichloroethene	Ave	0.3475	0.3452		24.8	25.0	-0.7	50.0
Methyl tert-butyl ether	Ave	1.113	0.9767		21.9	25.0	-12.2	50.0
Acrylonitrile	Ave	0.1768	0.1483		105	125	-16.1	50.0
1,1-Dichloroethane	Ave	0.6775	0.6213		22.9	25.0	-8.3	50.0
Vinyl acetate	Ave	0.9119	0.6884		94.4	125	-24.5	50.0
2,2-Dichloropropane	Ave	0.3516	0.3267		23.2	25.0	-7.1	50.0
cis-1,2-Dichloroethene	Ave	0.3869	0.3822		24.7	25.0	-1.2	50.0
2-Butanone (MEK)	Ave	0.2623	0.1976		94.2	125	-24.7	50.0
Bromochloromethane	Ave	0.1915	0.1986		25.9	25.0	3.7	50.0
Tetrahydrofuran	Ave	0.1689	0.1313		97.2	125	-22.3	50.0
Chloroform	Ave	0.6295	0.5864		23.3	25.0	-6.8	20.0
1,1,1-Trichloroethane	Ave	0.4902	0.4556		23.2	25.0	-7.1	50.0
Cyclohexane	Ave	0.6716	0.6249		23.3	25.0	-7.0	50.0
Carbon tetrachloride	Ave	0.4103	0.4205		25.6	25.0	2.5	50.0
1,1-Dichloropropene	Ave	0.4997	0.4614		23.1	25.0	-7.7	50.0
Benzene	Ave	1.417	1.344		23.7	25.0	-5.1	50.0
1,2-Dichloroethane	Ave	0.5454	0.4543		20.8	25.0	-16.7	50.0
Trichloroethene	Ave	0.3735	0.3458		23.1	25.0	-7.4	50.0
Methylcyclohexane	Ave	0.6012	0.6265		26.1	25.0	4.2	50.0
1,2-Dichloropropane	Ave	0.3911	0.3569		22.8	25.0	-8.7	20.0
Dibromomethane	Ave	0.2397	0.2172		22.7	25.0	-9.4	50.0
Bromodichloromethane	Ave	0.4391	0.4134		23.5	25.0	-5.9	50.0
2-Chloroethyl vinyl ether	Ave	0.3142	0.2605		104	125	-17.1	50.0
cis-1,3-Dichloropropene	Ave	0.5872	0.5153		21.9	25.0	-12.2	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.6111	0.4782		97.8	125	-21.8	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1

SDG No.: _____

Lab Sample ID: CCVIS 480-65291/2 Calibration Date: 05/21/2012 10:31

Instrument ID: HP5975T Calib Start Date: 04/16/2012 14:25

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 04/16/2012 17:35

Lab File ID: T8444.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toluene	Ave	0.9915	0.9583		24.2	25.0	-3.3	20.0
trans-1,3-Dichloropropene	Ave	0.6008	0.5064		21.1	25.0	-15.7	50.0
Ethyl methacrylate	Ave	0.5724	0.5035		22.0	25.0	-12.0	50.0
1,1,2-Trichloroethane	Ave	0.3294	0.2966		22.5	25.0	-10.0	50.0
Tetrachloroethene	Ave	0.4183	0.4471		26.7	25.0	6.9	50.0
1,3-Dichloropropane	Ave	0.6630	0.6033		22.8	25.0	-9.0	50.0
2-Hexanone	Ave	0.4459	0.3474		97.4	125	-22.1	50.0
Dibromochloromethane	Ave	0.3404	0.3666		26.9	25.0	7.7	50.0
1,2-Dibromoethane	Ave	0.4006	0.3737		23.3	25.0	-6.7	50.0
Chlorobenzene	Ave	1.116	1.120	0.3000	25.1	25.0	0.3	50.0
1,1,1,2-Tetrachloroethane	Ave	0.3571	0.3832		26.8	25.0	7.3	50.0
Ethylbenzene	Ave	1.915	1.762		23.0	25.0	-8.0	20.0
m-Xylene & p-Xylene	Ave	0.7315	0.7352		50.3	50.0	0.5	50.0
o-Xylene	Ave	0.7238	0.6987		24.1	25.0	-3.5	50.0
Styrene	Ave	1.195	1.160		24.3	25.0	-2.9	50.0
Bromoform	Ave	0.2122	0.2336	0.1000	27.5	25.0	10.1	50.0
Isopropylbenzene	Ave	3.705	3.245		21.9	25.0	-12.4	50.0
Bromobenzene	Ave	0.9174	0.8406		22.9	25.0	-8.4	50.0
1,1,2,2-Tetrachloroethane	Ave	1.050	0.9002	0.3000	21.4	25.0	-14.3	50.0
N-Propylbenzene	Ave	4.576	3.915		21.4	25.0	-14.4	50.0
1,2,3-Trichloropropane	Ave	0.3323	0.2794		21.0	25.0	-15.9	50.0
trans-1,4-Dichloro-2-butene	Ave	0.3752	0.2423		80.7	125	-35.4	50.0
2-Chlorotoluene	Ave	0.8505	0.8193		24.1	25.0	-3.7	50.0
1,3,5-Trimethylbenzene	Ave	3.027	2.620		21.6	25.0	-13.4	50.0
4-Chlorotoluene	Ave	2.970	2.497		21.0	25.0	-15.9	50.0
tert-Butylbenzene	Ave	0.6668	0.6031		22.6	25.0	-9.6	50.0
1,2,4-Trimethylbenzene	Ave	3.090	2.731		22.1	25.0	-11.6	50.0
sec-Butylbenzene	Ave	3.902	3.513		22.5	25.0	-10.0	50.0
1,3-Dichlorobenzene	Ave	1.736	1.626		23.4	25.0	-6.4	50.0
4-Isopropyltoluene	Ave	3.212	2.912		22.7	25.0	-9.3	50.0
1,4-Dichlorobenzene	Ave	1.802	1.679		23.3	25.0	-6.8	50.0
n-Butylbenzene	Ave	3.091	2.634		21.3	25.0	-14.8	50.0
1,2-Dichlorobenzene	Ave	1.682	1.569		23.3	25.0	-6.8	50.0
1,2-Dibromo-3-Chloropropane	Ave	0.1706	0.1386		20.3	25.0	-18.8	50.0
1,2,4-Trichlorobenzene	Ave	1.226	1.092		22.3	25.0	-10.9	50.0
Hexachlorobutadiene	LinF		0.5240		27.3	25.0	9.2	50.0
Naphthalene	Ave	3.191	2.694		21.1	25.0	-15.6	50.0
1,2,3-Trichlorobenzene	Ave	1.069	0.998		23.3	25.0	-6.7	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.4482	0.3928		21.9	25.0	-12.4	50.0
Toluene-d8 (Surr)	Ave	1.479	1.549		26.2	25.0	4.7	50.0
4-Bromofluorobenzene (Surr)	Ave	0.4555	0.4856		26.7	25.0	6.6	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20120521-12080.b\T8444.D
 Lims ID: CCVIS Client ID:
 Inject. Date: 21-May-2012 10:31:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: CCVIS
 Misc. Info.: 480-0012080-002
 Operator: LH Instrument ID: HP5975T
 Vol. Injected: 1.0000 ALS Bottle#: 63
 Lims Batch ID: 65291 Lims Sample ID: 2
 Sublist: chrom-T-8260*sub3
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5975T\20120521-12080.b\T-8260.m
 Last Update: 21-May-2012 10:46:20 Calib Date: 16-Apr-2012 21:30:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5975T\20120416-11026.b\T7062.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: HillL

Date: 21-May-2012 10:46:20

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.501	4.501	0.0	94	658307	25.0	
* 2 Chlorobenzene-d5	117	6.709	6.709	0.0	83	584883	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.564	8.564	0.0	66	331708	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.190	4.190	0.0	0	258594	21.9	
\$ 6 Toluene-d8 (Surr)	98	5.589	5.589	0.0	89	906058	26.2	
\$ 7 4-Bromofluorobenzene (Surr)	174	7.641	7.641	0.0	94	283990	26.7	
11 Dichlorodifluoromethane	85	0.936	0.936	0.0	88	234885	27.5	
13 Chloromethane	50	1.050	1.050	0.0	89	322010	24.4	
14 Vinyl chloride	62	1.133	1.133	0.0	83	313346	26.3	
15 Bromomethane	94	1.361	1.361	0.0	93	98355	27.3	
16 Chloroethane	64	1.444	1.444	0.0	95	148209	25.9	
17 Trichlorofluoromethane	101	1.620	1.620	0.0	83	278782	28.2	
21 Acrolein	56	2.014	2.014	0.0	98	370913	373.4	
22 1,1-Dichloroethene	96	2.035	2.035	0.0	89	204956	26.4	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.035	2.035	0.0	80	211842	28.7	
24 Iodomethane	142	2.170	2.170	0.0	77	294456	29.2	
23 Acetone	43	2.170	2.170	0.0	100	398788	100.9	
25 Carbon disulfide	76	2.190	2.190	0.0	100	577638	23.9	
28 Methyl acetate	43	2.439	2.439	0.0	96	340862	24.3	
29 Acetonitrile	40	2.449	2.449	0.0	99	725976	769.6	
30 Methylene Chloride	84	2.501	2.501	0.0	88	228334	23.4	
32 trans-1,2-Dichloroethene	96	2.698	2.698	0.0	95	227220	24.8	
33 Methyl tert-butyl ether	73	2.708	2.708	0.0	91	642962	21.9	
34 Acrylonitrile	53	2.771	2.771	0.0	99	488259	104.9	
36 1,1-Dichloroethane	63	3.071	3.071	0.0	85	408985	22.9	
39 Vinyl acetate	43	3.133	3.133	0.0	97	2265724	94.4	
42 2,2-Dichloropropane	77	3.517	3.517	0.0	89	215086	23.2	
43 cis-1,2-Dichloroethene	96	3.548	3.548	0.0	67	251611	24.7	
44 2-Butanone (MEK)	43	3.600	3.600	0.0	100	650348	94.2	
47 Chlorobromomethane	128	3.734	3.734	0.0	94	130751	25.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
48 Tetrahydrofuran	42	3.765	3.765	0.0	90	432116	97.2	
50 Chloroform	83	3.807	3.807	0.0	81	386052	23.3	
52 Cyclohexane	56	3.890	3.890	0.0	90	411345	23.3	
51 1,1,1-Trichloroethane	97	3.890	3.890	0.0	78	299932	23.2	
53 Carbon tetrachloride	117	4.004	4.004	0.0	83	276802	25.6	
54 1,1-Dichloropropene	75	4.014	4.014	0.0	94	303707	23.1	
55 Benzene	78	4.190	4.190	0.0	96	885069	23.7	
57 1,2-Dichloroethane	62	4.242	4.242	0.0	91	299033	20.8	
60 Trichloroethene	95	4.677	4.677	0.0	92	227659	23.1	
62 Methylcyclohexane	83	4.760	4.760	0.0	90	412441	26.1	
63 1,2-Dichloropropane	63	4.874	4.874	0.0	95	234929	22.8	
65 Dibromomethane	93	4.978	4.978	0.0	85	142973	22.7	
67 Dichlorobromomethane	83	5.092	5.092	0.0	93	272127	23.5	
69 2-Chloroethyl vinyl ether	63	5.330	5.330	0.0	91	857379	103.6	
71 cis-1,3-Dichloropropene	75	5.424	5.424	0.0	90	339249	21.9	
72 4-Methyl-2-pentanone (MIBK)	43	5.548	5.548	0.0	97	1398491	97.8	
73 Toluene	92	5.641	5.641	0.0	98	560517	24.2	
75 trans-1,3-Dichloropropene	75	5.859	5.859	0.0	89	296204	21.1	
77 Ethyl methacrylate	69	5.900	5.900	0.0	90	294486	22.0	
78 1,1,2-Trichloroethane	83	6.004	6.004	0.0	85	173462	22.5	
79 Tetrachloroethene	166	6.035	6.035	0.0	88	261521	26.7	
80 1,3-Dichloropropane	76	6.118	6.118	0.0	91	352877	22.8	
81 2-Hexanone	43	6.190	6.190	0.0	96	1016052	97.4	
82 Chlorodibromomethane	129	6.294	6.294	0.0	87	214412	26.9	
83 Ethylene Dibromide	107	6.377	6.377	0.0	98	218582	23.3	
86 Chlorobenzene	112	6.729	6.729	0.0	96	655181	25.1	
89 1,1,1,2-Tetrachloroethane	131	6.802	6.802	0.0	41	224135	26.8	
88 Ethylbenzene	91	6.802	6.802	0.0	98	1030796	23.0	
90 m-Xylene & p-Xylene	106	6.895	6.895	0.0	98	859987	50.3	
91 o-Xylene	106	7.206	7.206	0.0	96	408667	24.1	
92 Styrene	104	7.227	7.227	0.0	96	678693	24.3	
93 Bromoform	173	7.413	7.413	0.0	96	136654	27.5	
95 Isopropylbenzene	105	7.496	7.496	0.0	95	1076534	21.9	
97 Bromobenzene	156	7.755	7.755	0.0	91	278848	22.9	
98 1,1,2,2-Tetrachloroethane	83	7.807	7.807	0.0	75	298614	21.4	
99 N-Propylbenzene	91	7.817	7.817	0.0	99	1298704	21.4	
100 1,2,3-Trichloropropane	110	7.828	7.828	0.0	75	92685	21.0	
101 trans-1,4-Dichloro-2-butene	53	7.838	7.838	0.0	90	401787	80.7	
105 2-Chlorotoluene	126	7.900	7.900	0.0	97	271770	24.1	
104 1,3,5-Trimethylbenzene	105	7.962	7.962	0.0	94	869122	21.6	
102 4-Chlorotoluene	91	7.994	7.994	0.0	96	828340	21.0	
106 tert-Butylbenzene	134	8.222	8.222	0.0	92	200048	22.6	
107 1,2,4-Trimethylbenzene	105	8.263	8.263	0.0	97	905786	22.1	
109 sec-Butylbenzene	105	8.398	8.398	0.0	94	1165358	22.5	
110 1,3-Dichlorobenzene	146	8.501	8.501	0.0	98	539270	23.4	
111 4-Isopropyltoluene	119	8.522	8.522	0.0	97	965863	22.7	
113 1,4-Dichlorobenzene	146	8.584	8.584	0.0	96	556931	23.3	
115 n-Butylbenzene	91	8.854	8.854	0.0	97	873764	21.3	
116 1,2-Dichlorobenzene	146	8.885	8.885	0.0	96	520389	23.3	
117 1,2-Dibromo-3-Chloropropane	75	9.558	9.558	0.0	84	45981	20.3	
119 1,2,4-Trichlorobenzene	180	10.201	10.201	0.0	93	362315	22.3	
120 Hexachlorobutadiene	225	10.315	10.315	0.0	95	173798	27.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	10.408	10.408	0.0	97	893522	21.1	
122 1,2,3-Trichlorobenzene	180	10.605	10.605	0.0	95	330972	23.3	
S 125 Total BTEX	1				0		145.3	
S 126 Xylenes, Total	1				0		74.4	
S 123 1,3-Dichloropropene, Total	1				0		43.0	
S 124 1,2-Dichloroethene, Total	1				0		49.5	

Chrom Revision: 2.0 20-Feb-2012 13:27:02

120521-12080.b\T8444.D

Limit Group: MV - 8260B ICAL

Instrument ID: HP5975T

Lims Sample ID: 2

Column Dia: 0.25 mm



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1

SDG No.: _____

Lab Sample ID: CCVIS 480-65398/2 Calibration Date: 05/21/2012 22:47

Instrument ID: HP5975T Calib Start Date: 04/16/2012 14:25

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 04/16/2012 17:35

Lab File ID: T8476.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3246	0.3549		27.3	25.0	9.4	50.0
Chloromethane	Ave	0.5006	0.4797	0.1000	24.0	25.0	-4.2	50.0
Vinyl chloride	Ave	0.4526	0.4662		25.7	25.0	3.0	20.0
Bromomethane	Lin1F		0.1509		27.6	25.0	10.4	50.0
Chloroethane	Lin1F		0.2331		26.9	25.0	7.6	50.0
Trichlorofluoromethane	Ave	0.3757	0.4007		26.7	25.0	6.7	50.0
Acrolein	Ave	0.0377	0.0298		395	500	-21.1	50.0
1,1-Dichloroethene	Ave	0.2953	0.3094	0.1000	26.2	25.0	4.8	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2806	0.3098		27.6	25.0	10.4	50.0
Acetone	Ave	0.1501	0.1238		103	125	-17.5	50.0
Iodomethane	Ave	0.3835	0.4392		28.6	25.0	14.5	50.0
Carbon disulfide	Ave	0.9196	0.8180		22.2	25.0	-11.0	50.0
Methyl acetate	Ave	0.5320	0.5149		24.2	25.0	-3.2	50.0
Acetonitrile	Ave	0.0358	0.0269		750	1000	-25.0	50.0
Methylene Chloride	Ave	0.3699	0.3477		23.5	25.0	-6.0	50.0
trans-1,2-Dichloroethene	Ave	0.3475	0.3520		25.3	25.0	1.3	50.0
Methyl tert-butyl ether	Ave	1.113	0.9836		22.1	25.0	-11.6	50.0
Acrylonitrile	Ave	0.1768	0.1451		103	125	-17.9	50.0
1,1-Dichloroethane	Ave	0.6775	0.6196		22.9	25.0	-8.5	50.0
Vinyl acetate	Ave	0.9119	0.6720		92.1	125	-26.3	50.0
2,2-Dichloropropane	Ave	0.3516	0.3008		21.4	25.0	-14.5	50.0
cis-1,2-Dichloroethene	Ave	0.3869	0.3780		24.4	25.0	-2.3	50.0
2-Butanone (MEK)	Ave	0.2623	0.2058		98.1	125	-21.5	50.0
Bromochloromethane	Ave	0.1915	0.1942		25.4	25.0	1.4	50.0
Tetrahydrofuran	Ave	0.1689	0.1302		96.4	125	-22.9	50.0
Chloroform	Ave	0.6295	0.5786		23.0	25.0	-8.1	20.0
Cyclohexane	Ave	0.6716	0.6235		23.2	25.0	-7.2	50.0
1,1,1-Trichloroethane	Ave	0.4902	0.4493		22.9	25.0	-8.4	50.0
Carbon tetrachloride	Ave	0.4103	0.4108		25.0	25.0	0.1	50.0
1,1-Dichloropropene	Ave	0.4997	0.4800		24.0	25.0	-3.9	50.0
Benzene	Ave	1.417	1.340		23.6	25.0	-5.5	50.0
1,2-Dichloroethane	Ave	0.5454	0.4520		20.7	25.0	-17.1	50.0
Trichloroethene	Ave	0.3735	0.3585		24.0	25.0	-4.0	50.0
Methylcyclohexane	Ave	0.6012	0.6395		26.6	25.0	6.4	50.0
1,2-Dichloropropane	Ave	0.3911	0.3528		22.6	25.0	-9.8	20.0
Dibromomethane	Ave	0.2397	0.2203		23.0	25.0	-8.1	50.0
Bromodichloromethane	Ave	0.4391	0.3965		22.6	25.0	-9.7	50.0
2-Chloroethyl vinyl ether	Ave	0.3142	0.2685		107	125	-14.6	50.0
cis-1,3-Dichloropropene	Ave	0.5872	0.5040		21.5	25.0	-14.2	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.6111	0.4678		95.7	125	-23.5	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1

SDG No.: _____

Lab Sample ID: CCVIS 480-65398/2 Calibration Date: 05/21/2012 22:47

Instrument ID: HP5975T Calib Start Date: 04/16/2012 14:25

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 04/16/2012 17:35

Lab File ID: T8476.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toluene	Ave	0.9915	0.9462		23.9	25.0	-4.6	20.0
trans-1,3-Dichloropropene	Ave	0.6008	0.4698		19.5	25.0	-21.8	50.0
Ethyl methacrylate	Ave	0.5724	0.4806		21.0	25.0	-16.0	50.0
1,1,2-Trichloroethane	Ave	0.3294	0.2957		22.4	25.0	-10.2	50.0
Tetrachloroethene	Ave	0.4183	0.4348		26.0	25.0	3.9	50.0
1,3-Dichloropropane	Ave	0.6630	0.5885		22.2	25.0	-11.2	50.0
2-Hexanone	Ave	0.4459	0.3377		94.7	125	-24.3	50.0
Dibromochloromethane	Ave	0.3404	0.3327		24.4	25.0	-2.3	50.0
1,2-Dibromoethane	Ave	0.4006	0.3644		22.7	25.0	-9.0	50.0
Chlorobenzene	Ave	1.116	1.078	0.3000	24.1	25.0	-3.4	50.0
1,1,1,2-Tetrachloroethane	Ave	0.3571	0.3476		24.3	25.0	-2.7	50.0
Ethylbenzene	Ave	1.915	1.738		22.7	25.0	-9.2	20.0
m-Xylene & p-Xylene	Ave	0.7315	0.7211		49.3	50.0	-1.4	50.0
o-Xylene	Ave	0.7238	0.6737		23.3	25.0	-6.9	50.0
Styrene	Ave	1.195	1.111		23.3	25.0	-7.0	50.0
Bromoform	Ave	0.2122	0.2005	0.1000	23.6	25.0	-5.5	50.0
Isopropylbenzene	Ave	3.705	3.216		21.7	25.0	-13.2	50.0
Bromobenzene	Ave	0.9174	0.8508		23.2	25.0	-7.3	50.0
1,1,2,2-Tetrachloroethane	Ave	1.050	0.9251	0.3000	22.0	25.0	-11.9	50.0
N-Propylbenzene	Ave	4.576	3.960		21.6	25.0	-13.5	50.0
1,2,3-Trichloropropane	Ave	0.3323	0.2797		21.0	25.0	-15.8	50.0
trans-1,4-Dichloro-2-butene	Ave	0.3752	0.1791		59.6	125	-52.3*	50.0
2-Chlorotoluene	Ave	0.8505	0.8175		24.0	25.0	-3.9	50.0
1,3,5-Trimethylbenzene	Ave	3.027	2.667		22.0	25.0	-11.9	50.0
4-Chlorotoluene	Ave	2.970	2.534		21.3	25.0	-14.7	50.0
tert-Butylbenzene	Ave	0.6668	0.6035		22.6	25.0	-9.5	50.0
1,2,4-Trimethylbenzene	Ave	3.090	2.758		22.3	25.0	-10.7	50.0
sec-Butylbenzene	Ave	3.902	3.603		23.1	25.0	-7.7	50.0
1,3-Dichlorobenzene	Ave	1.736	1.663		23.9	25.0	-4.2	50.0
4-Isopropyltoluene	Ave	3.212	2.958		23.0	25.0	-7.9	50.0
1,4-Dichlorobenzene	Ave	1.802	1.701		23.6	25.0	-5.6	50.0
n-Butylbenzene	Ave	3.091	2.678		21.7	25.0	-13.3	50.0
1,2-Dichlorobenzene	Ave	1.682	1.535		22.8	25.0	-8.8	50.0
1,2-Dibromo-3-Chloropropane	Ave	0.1706	0.1292		18.9	25.0	-24.3	50.0
1,2,4-Trichlorobenzene	Ave	1.226	1.107		22.6	25.0	-9.7	50.0
Hexachlorobutadiene	LinF		0.5152		26.9	25.0	7.6	50.0
Naphthalene	Ave	3.191	2.685		21.0	25.0	-15.9	50.0
1,2,3-Trichlorobenzene	Ave	1.069	1.018		23.8	25.0	-4.8	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.4482	0.4036		22.5	25.0	-10.0	50.0
Toluene-d8 (Surr)	Ave	1.479	1.551		26.2	25.0	4.9	50.0
4-Bromofluorobenzene (Surr)	Ave	0.4555	0.4806		26.4	25.0	5.5	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20120521-12092.b\T8476.D
 Lims ID: CCVIS Client ID:
 Inject. Date: 21-May-2012 22:47:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: CCVIS
 Misc. Info.: 480-0012092-002
 Operator: RAL Instrument ID: HP5975T
 Vol. Injected: 1.0000 ALS Bottle#: 20
 Lims Batch ID: 65398 Lims Sample ID: 2
 Sublist: chrom-T-8260*sub3
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5975T\20120521-12092.b\T-8260.m
 Last Update: 21-May-2012 23:09:13 Calib Date: 16-Apr-2012 21:30:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5975T\20120416-11026.b\T7062.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: larsonr

Date: 21-May-2012 23:09:13

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.501	4.501	0.0	94	639461	25.0	
* 2 Chlorobenzene-d5	117	6.709	6.709	0.0	83	594317	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.564	8.564	0.0	93	323925	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.190	4.190	0.0	0	258065	22.5	
\$ 6 Toluene-d8 (Surr)	98	5.590	5.590	0.0	89	922040	26.2	
\$ 7 4-Bromofluorobenzene (Surr)	174	7.641	7.641	0.0	95	285626	26.4	
11 Dichlorodifluoromethane	85	0.937	0.937	0.0	88	226972	27.3	
13 Chloromethane	50	1.050	1.050	0.0	89	306756	24.0	
14 Vinyl chloride	62	1.133	1.133	0.0	83	298090	25.7	
15 Bromomethane	94	1.361	1.361	0.0	93	96523	27.6	
16 Chloroethane	64	1.444	1.444	0.0	95	149063	26.9	
17 Trichlorofluoromethane	101	1.620	1.620	0.0	86	256256	26.7	
21 Acrolein	56	2.014	2.014	0.0	99	380805	394.7	
22 1,1-Dichloroethene	96	2.035	2.035	0.0	87	197841	26.2	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.045	2.045	0.0	73	198106	27.6	
23 Acetone	43	2.170	2.170	0.0	100	395832	103.1	
24 Iodomethane	142	2.170	2.170	0.0	70	280835	28.6	
25 Carbon disulfide	76	2.201	2.201	0.0	99	523077	22.2	
28 Methyl acetate	43	2.439	2.439	0.0	96	329268	24.2	
29 Acetonitrile	40	2.450	2.450	0.0	100	687031	749.8	
30 Methylene Chloride	84	2.501	2.501	0.0	85	222367	23.5	
32 trans-1,2-Dichloroethene	96	2.698	2.698	0.0	55	225064	25.3	
33 Methyl tert-butyl ether	73	2.709	2.709	0.0	80	628977	22.1	
34 Acrylonitrile	53	2.781	2.781	0.0	99	464000	102.6	
36 1,1-Dichloroethane	63	3.071	3.071	0.0	85	396211	22.9	
39 Vinyl acetate	43	3.144	3.144	0.0	97	2148638	92.1	
42 2,2-Dichloropropane	77	3.517	3.517	0.0	91	192333	21.4	
43 cis-1,2-Dichloroethene	96	3.548	3.548	0.0	65	241685	24.4	
44 2-Butanone (MEK)	43	3.600	3.600	0.0	100	658105	98.1	
47 Chlorobromomethane	128	3.745	3.745	0.0	92	124185	25.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
48 Tetrahydrofuran	42	3.776	3.776	0.0	88	416384	96.4	
50 Chloroform	83	3.807	3.807	0.0	80	370010	23.0	
51 1,1,1-Trichloroethane	97	3.900	3.900	0.0	83	287296	22.9	
52 Cyclohexane	56	3.890	3.890	0.0	90	398727	23.2	
53 Carbon tetrachloride	117	4.004	4.004	0.0	83	262670	25.0	
54 1,1-Dichloropropene	75	4.014	4.014	0.0	95	306938	24.0	
55 Benzene	78	4.190	4.190	0.0	96	856735	23.6	
57 1,2-Dichloroethane	62	4.253	4.253	0.0	90	289036	20.7	
60 Trichloroethene	95	4.678	4.678	0.0	92	229247	24.0	
62 Methylcyclohexane	83	4.760	4.760	0.0	90	408929	26.6	
63 1,2-Dichloropropane	63	4.874	4.874	0.0	94	225588	22.6	
65 Dibromomethane	93	4.978	4.978	0.0	83	140871	23.0	
67 Dichlorobromomethane	83	5.092	5.092	0.0	93	253570	22.6	
69 2-Chloroethyl vinyl ether	63	5.330	5.330	0.0	90	858325	106.8	
71 cis-1,3-Dichloropropene	75	5.424	5.424	0.0	92	322285	21.5	
72 4-Methyl-2-pentanone (MIBK)	43	5.548	5.548	0.0	97	1390168	95.7	
73 Toluene	92	5.641	5.641	0.0	99	562329	23.9	
75 trans-1,3-Dichloropropene	75	5.859	5.859	0.0	89	279217	19.5	
77 Ethyl methacrylate	69	5.900	5.900	0.0	90	285616	21.0	
78 1,1,2-Trichloroethane	83	6.004	6.004	0.0	86	175712	22.4	
79 Tetrachloroethene	166	6.035	6.035	0.0	87	258384	26.0	
80 1,3-Dichloropropane	76	6.118	6.118	0.0	90	349764	22.2	
81 2-Hexanone	43	6.191	6.191	0.0	96	1003363	94.7	
82 Chlorodibromomethane	129	6.294	6.294	0.0	88	197701	24.4	
83 Ethylene Dibromide	107	6.367	6.367	0.0	98	216571	22.7	
86 Chlorobenzene	112	6.729	6.729	0.0	96	640937	24.1	
89 1,1,1,2-Tetrachloroethane	131	6.802	6.802	0.0	40	206588	24.3	
88 Ethylbenzene	91	6.802	6.802	0.0	98	1033092	22.7	
90 m-Xylene & p-Xylene	106	6.895	6.895	0.0	98	857103	49.3	
91 o-Xylene	106	7.206	7.206	0.0	96	400418	23.3	
92 Styrene	104	7.227	7.227	0.0	96	660446	23.3	
93 Bromoform	173	7.413	7.413	0.0	98	119147	23.6	
95 Isopropylbenzene	105	7.496	7.496	0.0	95	1041858	21.7	
97 Bromobenzene	156	7.755	7.755	0.0	90	275578	23.2	
98 1,1,2,2-Tetrachloroethane	83	7.797	7.797	0.0	78	299646	22.0	
99 N-Propylbenzene	91	7.818	7.818	0.0	99	1282767	21.6	
100 1,2,3-Trichloropropane	110	7.828	7.828	0.0	73	90605	21.0	
101 trans-1,4-Dichloro-2-butene	53	7.838	7.838	0.0	89	290016	59.6	
105 2-Chlorotoluene	126	7.900	7.900	0.0	97	264807	24.0	
104 1,3,5-Trimethylbenzene	105	7.963	7.963	0.0	94	863770	22.0	
102 4-Chlorotoluene	91	7.994	7.994	0.0	97	820954	21.3	
106 tert-Butylbenzene	134	8.222	8.222	0.0	91	195480	22.6	
107 1,2,4-Trimethylbenzene	105	8.263	8.263	0.0	96	893529	22.3	
109 sec-Butylbenzene	105	8.398	8.398	0.0	93	1166945	23.1	
110 1,3-Dichlorobenzene	146	8.502	8.502	0.0	98	538684	23.9	
111 4-Isopropyltoluene	119	8.522	8.522	0.0	95	958126	23.0	
113 1,4-Dichlorobenzene	146	8.584	8.584	0.0	97	551035	23.6	
115 n-Butylbenzene	91	8.854	8.854	0.0	98	867629	21.7	
116 1,2-Dichlorobenzene	146	8.885	8.885	0.0	93	497169	22.8	
117 1,2-Dibromo-3-Chloropropane	75	9.559	9.559	0.0	85	41855	18.9	
119 1,2,4-Trichlorobenzene	180	10.201	10.201	0.0	90	358651	22.6	
120 Hexachlorobutadiene	225	10.315	10.315	0.0	96	166882	26.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	10.408	10.408	0.0	97	869773	21.0	
122 1,2,3-Trichlorobenzene	180	10.605	10.605	0.0	94	329823	23.8	
S 123 1,3-Dichloropropene, Total	1				0		41.0	
S 124 1,2-Dichloroethene, Total	1				0		49.7	
S 125 Total BTEX	1				0		142.7	
S 126 Xylenes, Total	1				0		72.6	

Report Date: 21-May-2012 23:09:13

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5975T\20120521-12092.b\T8476.D

Injection Date: 21-May-2012 22:47:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5975T

Lims Batch ID: 65398

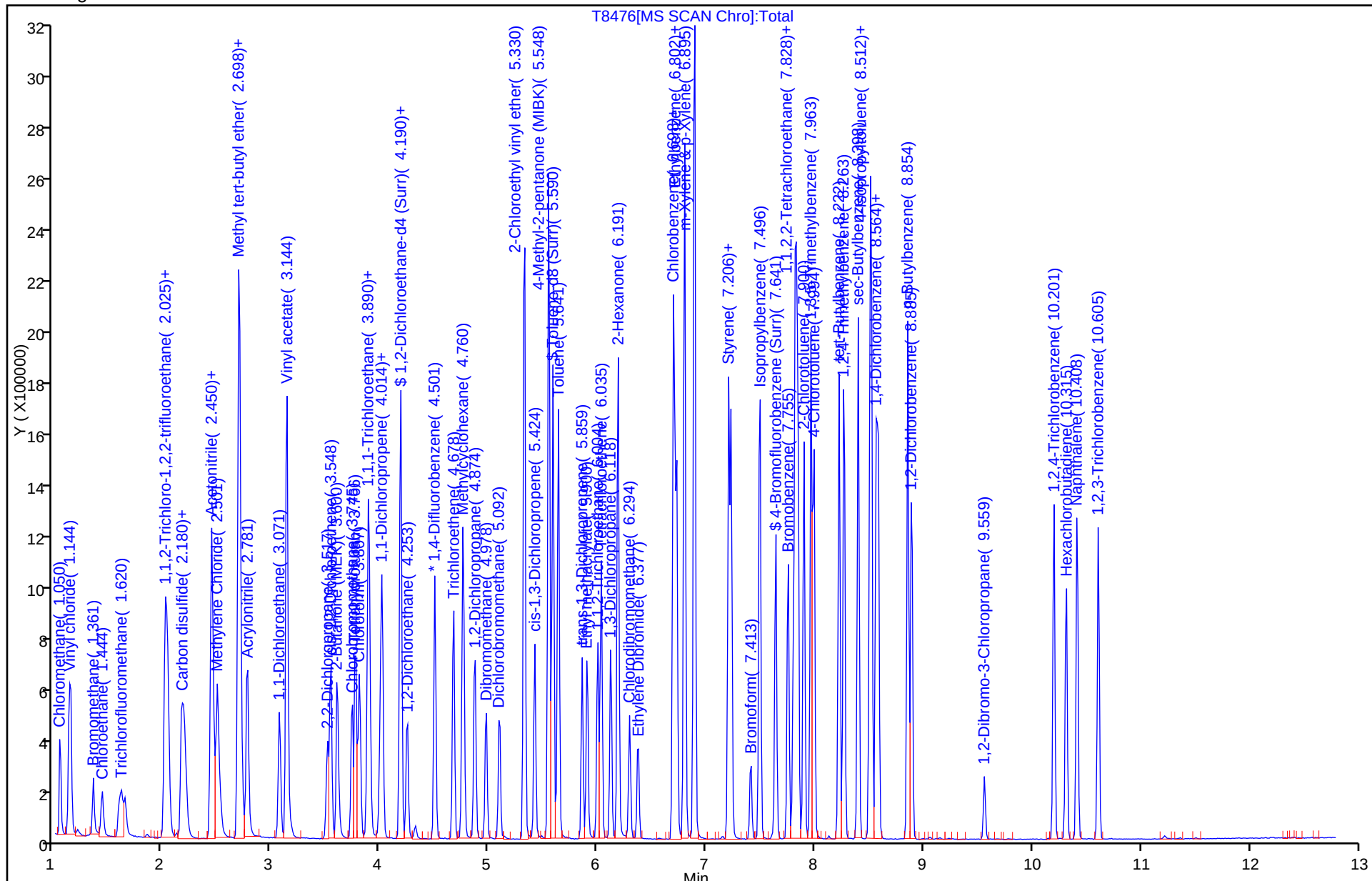
Lims Sample ID: 2

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20120508-11730.b\N7433.D
Lims ID: BFB Client ID:
Inject. Date: 08-May-2012 21:19:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.: 480-0011730-001
Operator: RAL Instrument ID: HP5973N
Vol. Injected: 1.0000 ALS Bottle#: 43
Lims Batch ID: 63571 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973N\20120508-11730.b\N-8260.m
Last Update: 08-May-2012 21:34:31 Calib Date: 04-May-2012 19:20:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973N\20120504-11619.b\N7323.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-19

First Level Reviewer: larsonr

Date: 08-May-2012 21:34:31

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
\$ 4 BFB	95	3.309	3.309	0.0	84	328793	0	

Data File: \\Bufchrom\ChromData\HP5973N\20120508-11730.b\N7433.D

Injection Date: 08-May-2012 21:19:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 63571

Lims Sample ID: 1

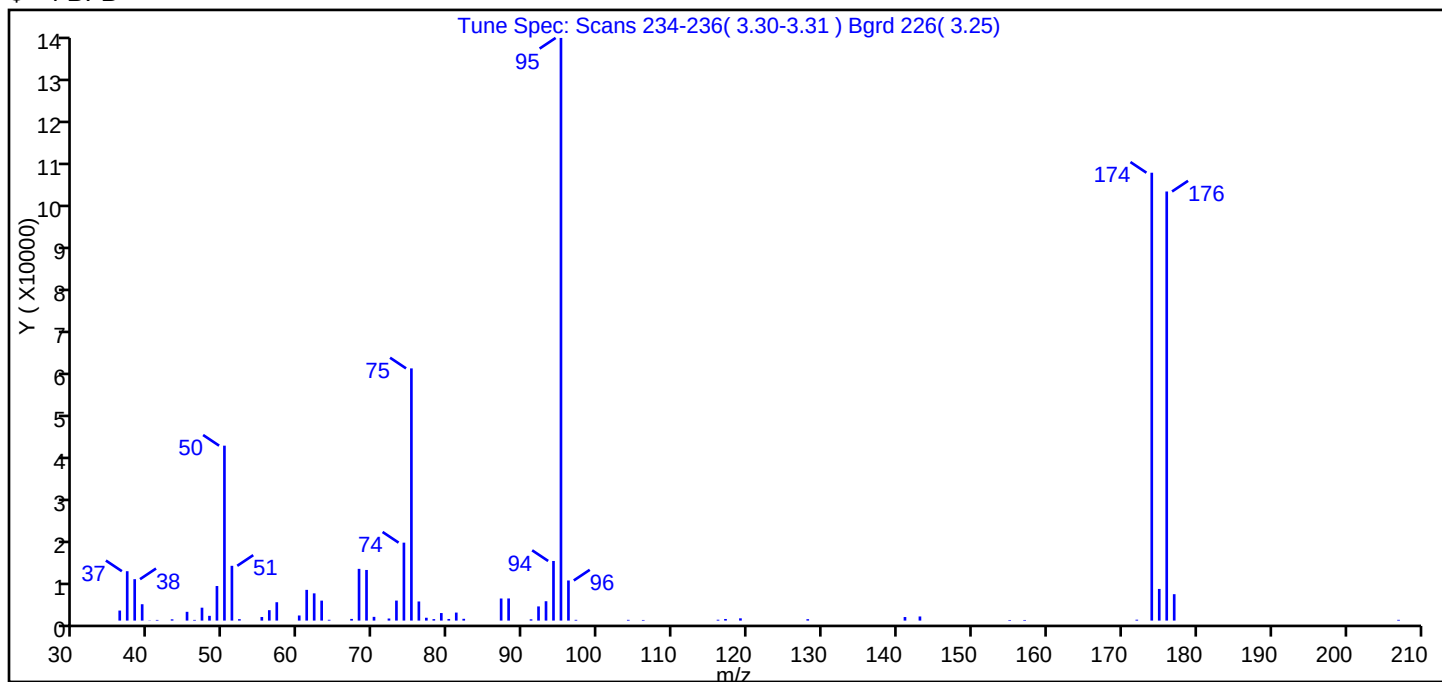
Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

Tune Method: BFB Method 8260

\$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	30.02
75	30.00 - 60.00% of mass 95	43.29
96	5.00 - 9.00% of mass 95	6.89
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	76.87
175	5.00 - 9.00% of mass 174	5.44 (7.07)
176	95.00 - 101.00% of mass 174	73.65 (95.81)
177	5.00 - 9.00% of mass 176	4.53 (6.16)

Data File: \\Bufchrom\ChromData\HP5973N\20120508-11730.b\N7433.D\N-8260.rslt\spectra.d
Injection Date: 08-May-2012 21:19:30
Spectrum: Tune Spec: Scans 234-236(3.30-3.31) Bgrd 226(3.25)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 63

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2259	56.00	2342	77.00	642	106.00	143
37.00	11111	57.00	4135	78.00	333	116.00	195
38.00	9316	60.00	1150	79.00	1699	117.00	364
39.00	3683	61.00	6914	80.00	367	119.00	512
40.00	50	62.00	6127	81.00	1804	128.00	318
41.00	154	63.00	4495	82.00	404	141.00	802
43.00	285	64.00	184	87.00	4971	143.00	930
45.00	1976	67.00	378	88.00	4979	155.00	137
46.00	159	68.00	11639	91.00	288	157.00	140
47.00	2906	69.00	11389	92.00	3191	172.00	203
48.00	1070	70.00	842	93.00	4357	174.00	100752
49.00	7778	72.00	466	94.00	13412	175.00	7124
50.00	39352	73.00	4504	95.00	131072	176.00	96528
51.00	12324	74.00	17536	96.00	9025	177.00	5942
52.00	327	75.00	56736	97.00	173	207.00	172
55.00	806	76.00	4302	104.00	170		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20120519-12045.b\N7828.D
Lims ID: BFB Client ID:
Inject. Date: 19-May-2012 08:46:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.: 480-0012045-001
Operator: LH Instrument ID: HP5973N
Vol. Injected: 1.0000 ALS Bottle#: 45
Lims Batch ID: 65164 Lims Sample ID: 1
Detector: MS SCAN
Method: \\Bufchrom\ChromData\HP5973N\20120519-12045.b\N-8260.m
Last Update: 19-May-2012 08:56:04 Calib Date: 09-May-2012 04:33:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973N\20120508-11730.b\N7451.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-16

First Level Reviewer: HillL

Date: 19-May-2012 08:56:04

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
\$ 4 BFB	95	3.315	3.315	0.0	83	243172	0	

Data File: \\Bufchrom\ChromData\HP5973N\20120519-12045.b\N7828.D

Injection Date: 19-May-2012 08:46:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 65164

Lims Sample ID: 1

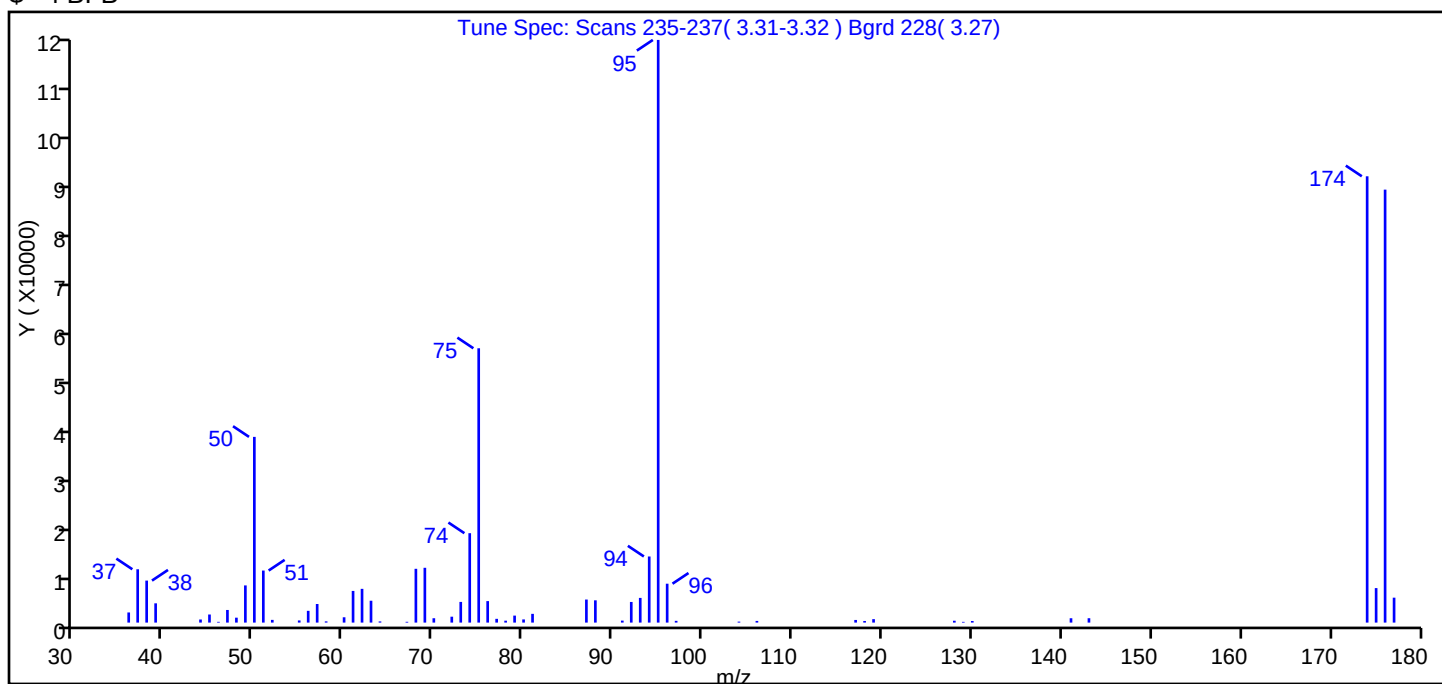
Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

Tune Method: BFB Method 8260

\$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	31.87
75	30.00 - 60.00% of mass 95	47.08
96	5.00 - 9.00% of mass 95	6.67
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	76.60
175	5.00 - 9.00% of mass 174	5.92 (7.73)
176	95.00 - 101.00% of mass 174	74.31 (97.01)
177	5.00 - 9.00% of mass 176	4.28 (5.76)

Data File: \\Bufchrom\ChromData\HP5973N\20120519-12045.b\N7828.D\N-8260.rslt\spectra.d
Injection Date: 19-May-2012 08:46:30
Spectrum: Tune Spec: Scans 235-237(3.31-3.32) Bgrd 228(3.27)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 59

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1925	57.00	3532	76.00	4083	104.00	185
37.00	10130	58.00	232	77.00	714	106.00	317
38.00	7979	60.00	1012	78.00	364	117.00	501
39.00	3661	61.00	6015	79.00	1328	118.00	307
44.00	590	62.00	6411	80.00	604	119.00	655
45.00	1537	63.00	4154	81.00	1662	128.00	354
46.00	144	64.00	222	87.00	4381	129.00	141
47.00	2398	67.00	152	88.00	4230	130.00	300
48.00	935	68.00	10219	91.00	379	141.00	827
49.00	7063	69.00	10411	92.00	3921	143.00	830
50.00	35280	70.00	828	93.00	4690	174.00	84784
51.00	9888	72.00	1121	94.00	12559	175.00	6554
52.00	516	73.00	3929	95.00	110688	176.00	82248
55.00	409	74.00	16984	96.00	7388	177.00	4735
56.00	2234	75.00	52112	97.00	332		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20120416-11026.b\T7041.D
Lims ID: BFB Client ID:
Inject. Date: 16-Apr-2012 13:14:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.: 480-0011026-001
Operator: LH Instrument ID: HP5975T
Vol. Injected: 1.0000 ALS Bottle#: 8
Lims Batch ID: 59786 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5975T\20120416-11026.b\T-8260.m
Last Update: 16-Apr-2012 13:22:56 Calib Date: 06-Apr-2012 19:19:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5975T\20120406-10789.b\T6985.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-16

First Level Reviewer: HillL

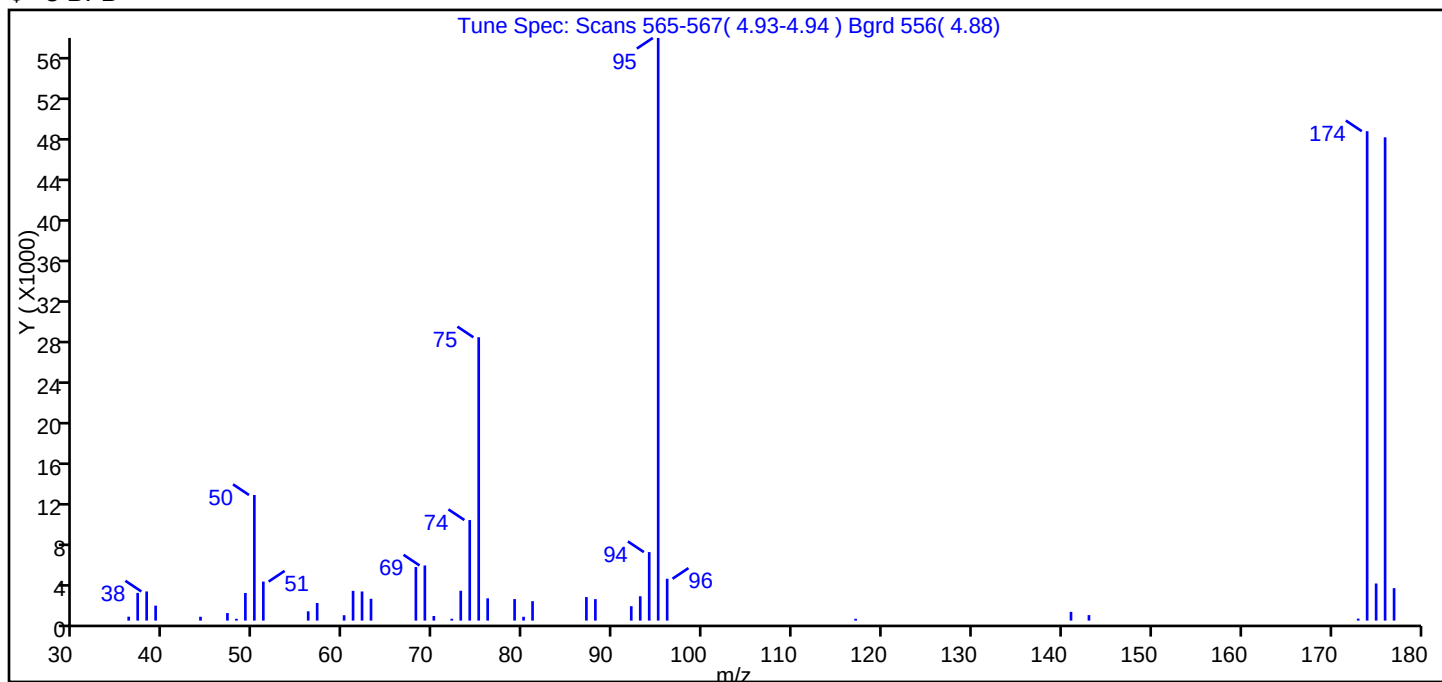
Date: 16-Apr-2012 13:22:56

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags

\$ 5 BFB	95	4.937	4.937	0.0	86	149822	0	

Data File: \\Bufchrom\ChromData\HP5975T\20120416-11026.b\T7041.D
Injection Date: 16-Apr-2012 13:14:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5975T
Lims Batch ID: 59786 Lims Sample ID: 1
Operator ID: LH
Column Type: ZB-624 Column Dia: 0.25 mm
Tune Method: BFB Method 8260

\$ 5 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.55
75	30.00 - 60.00% of mass 95	48.63
96	5.00 - 9.00% of mass 95	7.18
173	Less than 2.00% of mass 174	0.34 (0.40)
174	Greater than 50.00% of mass 95	83.99
175	5.00 - 9.00% of mass 174	6.37 (7.58)
176	95.00 - 101.00% of mass 174	82.94 (98.75)
177	5.00 - 9.00% of mass 176	5.57 (6.72)

Data File: \\Bufchrom\ChromData\HP5975T\20120416-11026.b\T7041.D\T-8260.rslt\spectra.d

Injection Date: 16-Apr-2012 13:14:30

Spectrum: Tune Spec: Scans 565-567(4.93-4.94) Bgrd 556(4.88)

Base Peak: 95.00

Minimum % Base Peak: 0

Number of Points: 42

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	385	57.00	1722	75.00	27776	96.00	4102
37.00	2716	60.00	527	76.00	2186	117.00	177
38.00	2857	61.00	2914	79.00	2108	141.00	859
39.00	1470	62.00	2855	80.00	374	143.00	539
44.00	378	63.00	2135	81.00	1904	173.00	192
47.00	742	68.00	5252	87.00	2307	174.00	47976
48.00	176	69.00	5405	88.00	2105	175.00	3638
49.00	2710	70.00	451	92.00	1411	176.00	47376
50.00	12312	72.00	181	93.00	2386	177.00	3183
51.00	3826	73.00	2924	94.00	6715		
56.00	910	74.00	9858	95.00	57120		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20120521-12080.b\T8443.D
Lims ID: BFB Client ID:
Inject. Date: 21-May-2012 10:01:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.: 480-0012080-001
Operator: LH Instrument ID: HP5975T
Vol. Injected: 1.0000 ALS Bottle#: 62
Lims Batch ID: 65291 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5975T\20120521-12080.b\T-8260.m
Last Update: 21-May-2012 10:15:48 Calib Date: 16-Apr-2012 21:30:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5975T\20120416-11026.b\T7062.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-16

First Level Reviewer: HillL

Date: 21-May-2012 10:15:48

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
\$ 5 BFB	95	4.937	4.937	0.0	92	268480	0	

Data File: \\Bufchrom\ChromData\HP5975T\20120521-12080.b\T8443.D

Injection Date: 21-May-2012 10:01:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5975T

Lims Batch ID: 65291

Lims Sample ID: 1

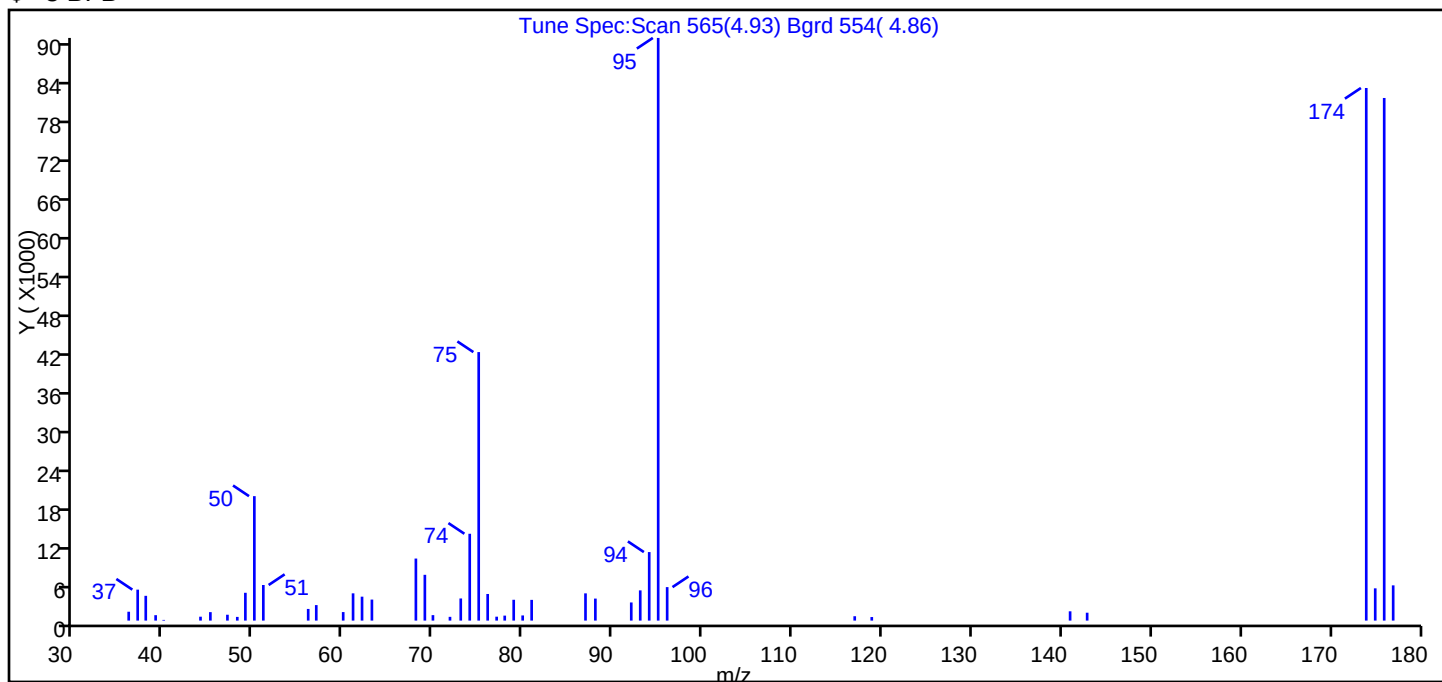
Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

Tune Method: BFB Method 8260

\$ 5 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.36
75	30.00 - 60.00% of mass 95	46.08
96	5.00 - 9.00% of mass 95	5.75
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	91.41
175	5.00 - 9.00% of mass 174	5.54 (6.06)
176	95.00 - 101.00% of mass 174	89.69 (98.12)
177	5.00 - 9.00% of mass 176	6.05 (6.74)

Data File: \\Bufchrom\ChromData\HP5975T\20120521-12080.b\T8443.D\T-8260.rslt\spectra.d
Injection Date: 21-May-2012 10:01:30
Spectrum: Tune Spec:Scan 565(4.93) Bgrd 554(4.86)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 46

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1370	56.00	1801	75.00	41496	95.00	90048
37.00	4784	56.90	2395	76.00	4113	96.00	5175
37.90	3828	59.90	1317	77.00	605	116.90	675
39.00	838	61.00	4213	77.90	769	118.80	549
39.90	106	62.00	3698	78.90	3219	140.90	1435
44.00	603	63.10	3249	79.90	797	142.80	1219
45.10	1308	68.00	9589	80.90	3203	173.90	82312
47.00	906	69.00	7076	86.90	4210	174.90	4985
48.10	571	69.90	844	88.00	3402	175.90	80768
49.00	4298	71.80	581	92.00	2804	176.90	5446
50.00	19232	73.00	3420	93.00	4670		
51.00	5501	74.00	13420	94.00	10589		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20120521-12092.b\T8475.D
Lims ID: BFB Client ID:
Inject. Date: 21-May-2012 22:25:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.: 480-0012092-001
Operator: RAL Instrument ID: HP5975T
Vol. Injected: 1.0000 ALS Bottle#: 19
Lims Batch ID: 65398 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5975T\20120521-12092.b\T-8260.m
Last Update: 21-May-2012 23:08:16 Calib Date: 16-Apr-2012 21:30:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5975T\20120416-11026.b\T7062.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-16

First Level Reviewer: larsonr

Date: 21-May-2012 23:08:16

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
\$ 5 BFB	95	4.931	4.931	0.0	89	186310	0	

Data File: \\Bufchrom\ChromData\HP5975T\20120521-12092.b\T8475.D

Injection Date: 21-May-2012 22:25:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5975T

Lims Batch ID: 65398

Lims Sample ID: 1

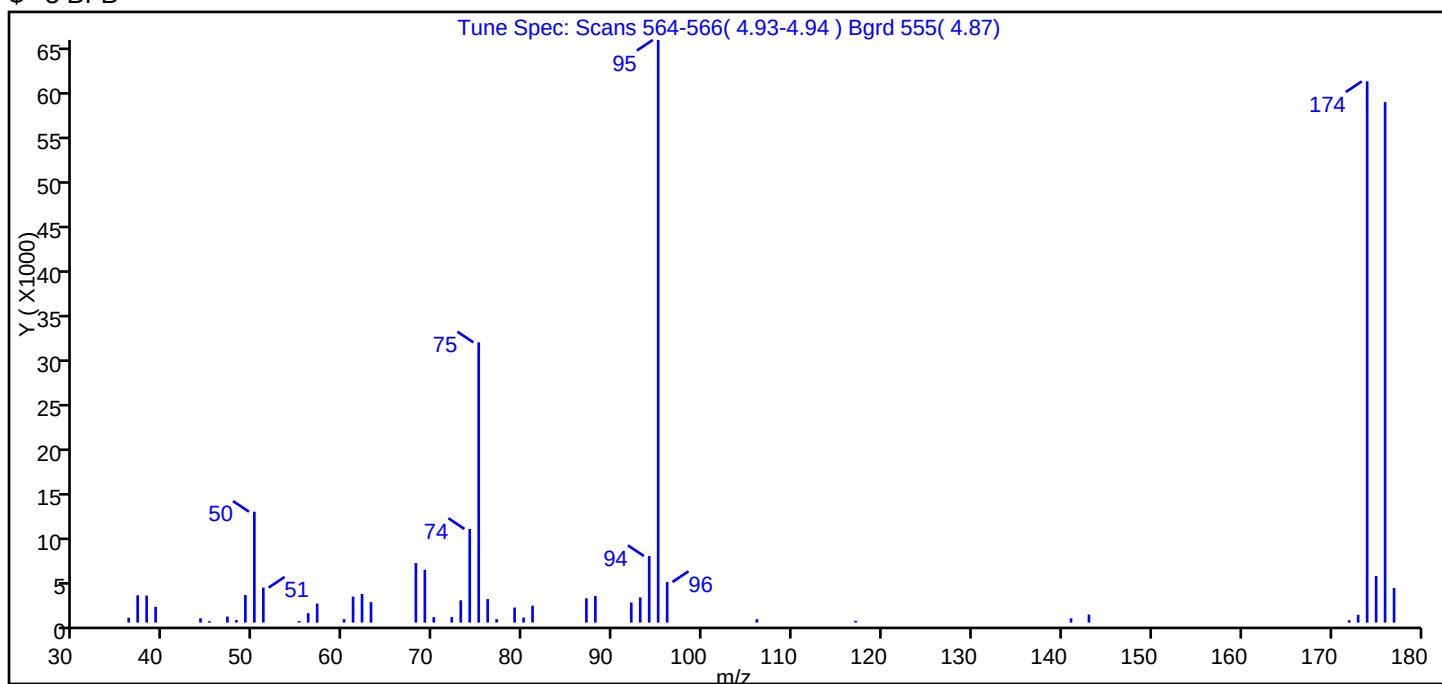
Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

Tune Method: BFB Method 8260

\$ 5 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.03
75	30.00 - 60.00% of mass 95	48.09
96	5.00 - 9.00% of mass 95	6.97
173	Less than 2.00% of mass 174	1.33 (1.44)
174	Greater than 50.00% of mass 95	92.89
175	5.00 - 9.00% of mass 174	7.98 (8.59)
176	95.00 - 101.00% of mass 174	89.33 (96.17)
177	5.00 - 9.00% of mass 176	5.93 (6.64)

Data File: \\Bufchrom\ChromData\HP5975T\20120521-12092.b\T8475.D\T-8260.rslt\spectra.d

Injection Date: 21-May-2012 22:25:30

Spectrum: Tune Spec: Scans 564-566(4.93-4.94) Bgrd 555(4.87)

Base Peak: 95.00

Minimum % Base Peak: 0

Number of Points: 48

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	551	55.00	177	74.00	10564	95.00	65704
37.00	3075	56.00	1067	75.00	31600	96.00	4580
38.00	3046	57.00	2147	76.00	2651	106.00	387
39.00	1780	60.00	390	77.00	391	117.00	193
40.00	6	61.00	2933	79.00	1698	141.00	487
44.00	491	62.00	3235	80.00	562	143.00	916
45.00	169	63.00	2310	81.00	1906	172.00	271
47.00	681	68.00	6715	87.00	2743	173.00	877
48.00	285	69.00	5955	88.00	2993	174.00	61032
49.00	3113	70.00	618	92.00	2268	175.00	5244
50.00	12501	72.00	624	93.00	2836	176.00	58696
51.00	3946	73.00	2516	94.00	7506	177.00	3898

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-65164/5
 Matrix: Water Lab File ID: N7832.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 05/19/2012 11:18
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 65164 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.41
108-88-3	Toluene	ND		1.0	0.51
100-41-4	Ethylbenzene	ND		1.0	0.74
179601-23-1	m-Xylene & p-Xylene	ND		2.0	0.66
95-47-6	o-Xylene	ND		1.0	0.76
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	122		66-137
2037-26-5	Toluene-d8 (Surr)	113		71-126
460-00-4	4-Bromofluorobenzene (Surr)	111		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20120519-12045.b\N7832.D
 Lims ID: MB Client ID:
 Inject. Date: 19-May-2012 11:18:30 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: MB
 Misc. Info.: 480-0012045-005
 Operator: LH Instrument ID: HP5973N
 Vol. Injected: 1.0000 ALS Bottle#: 49
 Lims Batch ID: 65164 Lims Sample ID: 5
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20120519-12045.b\N-8260.m
 Last Update: 19-May-2012 11:42:19 Calib Date: 09-May-2012 04:33:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20120508-11730.b\N7451.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: HillL

Date: 19-May-2012 11:42:19

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.519	4.518	0.001	95	796673	25.0	
* 2 Chlorobenzene-d5	117	7.311	7.311	0.0	92	657678	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.781	9.781	0.0	95	326299	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.129	4.129	0.0	92	384331	30.4	
\$ 6 Toluene-d8 (Surr)	98	5.869	5.869	0.0	86	938301	28.2	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.558	8.558	0.0	84	256411	27.8	
11 Dichlorodifluoromethane	85		0.935					
12 Chlorodifluoromethane	51		0.953					
13 Chloromethane	50		1.020					
14 Vinyl chloride	62		1.100					
15 Bromomethane	94		1.288					
16 Chloroethane	64		1.361					
17 Dichlorofluoromethane	67		1.507					
18 Trichlorofluoromethane	101		1.525					
19 Ethyl ether	59		1.714					
81 Propene oxide	58		1.775					
20 Acrolein	56		1.836					
22 1,1-Dichloroethene	96		1.860					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		1.872					
23 Acetone	43		1.976					
24 Iodomethane	142		1.988					
25 Carbon disulfide	76		2.018					
26 Isopropyl alcohol	45		2.152					
27 3-Chloro-1-propene	41		2.182					
29 Acetonitrile	40		2.231					
28 Methyl acetate	43		2.231					
30 Methylene Chloride	84		2.298					
31 2-Methyl-2-propanol	59		2.486					
33 trans-1,2-Dichloroethene	96		2.505					
32 Methyl tert-butyl ether	73		2.511					
34 Acrylonitrile	53		2.554					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
35 Hexane	57		2.699					
36 1,1-Dichloroethane	63		2.876					
37 Isopropyl ether	45		2.924					
38 2-Chloro-1,3-butadiene	53		2.943					
39 Vinyl acetate	43		2.949					
40 1,1-Dimethoxyethane	75		2.985					
41 Tert-butyl ethyl ether	59		3.241					
42 2,2-Dichloropropane	77		3.357					
43 cis-1,2-Dichloroethene	96		3.393					
44 2-Butanone (MEK)	43		3.448					
45 Ethyl acetate	43		3.496					
46 Propionitrile	54		3.533					
47 Chlorobromomethane	128		3.612					
48 Methacrylonitrile	41		3.636					
49 Tetrahydrofuran	42		3.649					
50 Chloroform	83		3.697					
51 1,1,1-Trichloroethane	97		3.795					
52 Cyclohexane	56		3.801					
53 Carbon tetrachloride	117		3.922					
54 1,1-Dichloropropene	75		3.941					
55 Benzene	78		4.129					
57 1,2-Dichloroethane	62		4.196					
56 Isobutyl alcohol	43		4.208					
58 Tert-amyl methyl ether	73		4.239					
59 n-Heptane	43		4.348					
60 Trichloroethene	95		4.725					
61 n-Butanol	56		4.816					
62 Methylcyclohexane	83		4.841					
63 1,2-Dichloropropane	63		4.950					
64 Dibromomethane	93		5.078					
65 Methyl methacrylate	41		5.096					
66 1,4-Dioxane	88		5.121					
67 Dichlorobromomethane	83		5.242					
68 2-Nitropropane	43		5.492					
69 2-Chloroethyl vinyl ether	63		5.541					
70 Epichlorohydrin	57		5.613					
71 cis-1,3-Dichloropropene	75		5.656					
72 4-Methyl-2-pentanone (MIBK)	43		5.820					
73 Toluene	92		5.930					
74 2-Methylthiophene	97		6.064					
75 trans-1,3-Dichloropropene	75		6.216					
76 3-Methylthiophene	97		6.222					
77 Ethyl methacrylate	69		6.301					
78 1,1,2-Trichloroethane	83		6.398					
79 Tetrachloroethene	166		6.447					
80 1,3-Dichloropropane	76		6.550					
82 2-Hexanone	43		6.648					
83 Chlorodibromomethane	129		6.776					
84 Ethylene Dibromide	107		6.855					
85 Chlorobenzene	112		7.341					
86 3-Chlorobenzotrifluoride	180		7.353					
87 4-Chlorobenzotrifluoride	180		7.420					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
88 Ethylbenzene	91		7.445					
89 1,1,1,2-Tetrachloroethane	131		7.445					
90 m-Xylene & p-Xylene	106		7.572					
91 o-Xylene	106		7.986					
92 Styrene	104		8.017					
93 Bromoform	173		8.236					
94 2-Chlorobenzotrifluoride	180		8.302					
95 Isopropylbenzene	105		8.376					
96 Cyclohexanone	55		8.515					
97 Bromobenzene	156		8.692					
98 1,1,2,2-Tetrachloroethane	83		8.789					
99 1,2,3-Trichloropropane	110		8.807					
100 N-Propylbenzene	91		8.814					
101 trans-1,4-Dichloro-2-butene	53		8.838					
102 2-Chlorotoluene	126		8.905					
103 3-Chlorotoluene	126		8.978					
104 1,3,5-Trimethylbenzene	105		9.014					
105 4-Chlorotoluene	91		9.026					
106 tert-Butylbenzene	134		9.355					
107 Pentachloroethane	167		9.397					
108 1,2,4-Trimethylbenzene	105		9.416					
109 sec-Butylbenzene	105		9.586					
110 1,3-Dichlorobenzene	146		9.702					
111 4-Isopropyltoluene	119		9.744					
112 Dicyclopentadiene	66		9.775					
113 1,4-Dichlorobenzene	146		9.805					
114 1,2,3-Trimethylbenzene	105		9.848					
115 n-Butylbenzene	91		10.158					
116 1,2-Dichlorobenzene	146		10.170					
117 1,2-Dibromo-3-Chloropropane	75		10.937					
118 1,3,5-Trichlorobenzene	180		11.083					
119 1,2,4-Trichlorobenzene	180		11.636					
120 Hexachlorobutadiene	225		11.776					
121 Naphthalene	128		11.843					
122 1,2,3-Trichlorobenzene	180		12.056					
S 125 Total BTEX	1		30.000					7
S 126 Xylenes, Total	1		30.000					7
S 123 1,3-Dichloropropene, Total	1		30.000					7
S 124 1,2-Dichloroethene, Total	1		30.000					7
T 129 tert-amyl alcohol TIC	1		0.000					1
T 127 Ethanol TIC	1		0.000					1
T 10 Ethylene oxide	1		0.000					1
T 9 bis(2-chloromethyl)ether TIC	1		0.000					1
T 8 t-Amyl alcohol	1		0.000					1
T 128 Hexachloroethane TIC	117		0.000					1

QC Flag Legend

Processing Flags

1 - Missing Peaks

7 - Failed Limit of Detection

Report Date: 19-May-2012 11:42:19

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973N\20120519-12045.b\N7832.D

Injection Date: 19-May-2012 11:18:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 65164

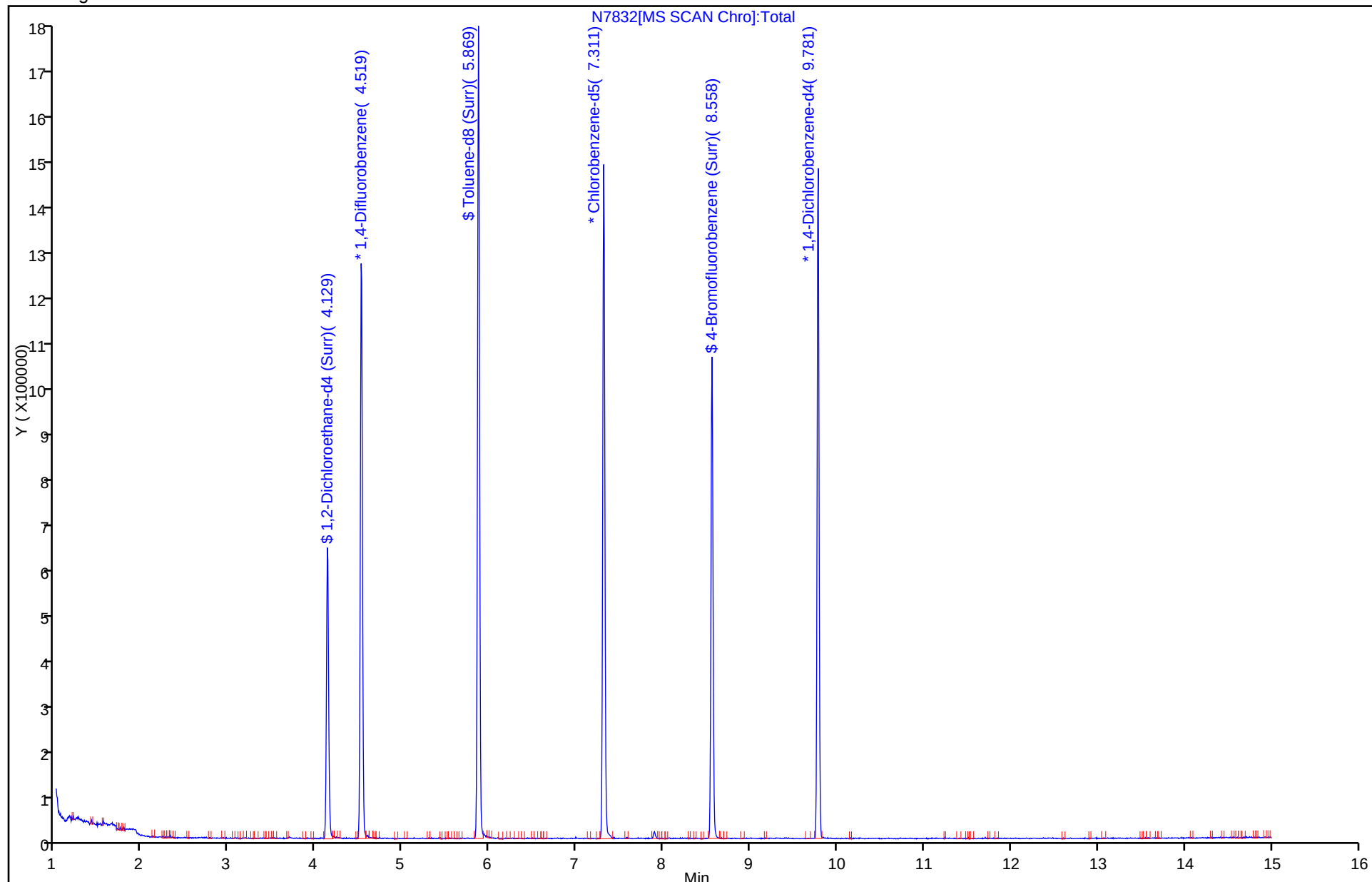
Lims Sample ID: 5

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-65291/5
 Matrix: Water Lab File ID: T8447.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 05/21/2012 12:02
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 65291 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.41
108-88-3	Toluene	ND		1.0	0.51
100-41-4	Ethylbenzene	ND		1.0	0.74
179601-23-1	m-Xylene & p-Xylene	ND		2.0	0.66
95-47-6	o-Xylene	ND		1.0	0.76
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		66-137
2037-26-5	Toluene-d8 (Surr)	102		71-126
460-00-4	4-Bromofluorobenzene (Surr)	106		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20120521-12080.b\T8447.D
 Lims ID: MB Client ID:
 Inject. Date: 21-May-2012 12:02:30 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: MB
 Misc. Info.: 480-0012080-005
 Operator: LH Instrument ID: HP5975T
 Vol. Injected: 1.0000 ALS Bottle#: 66
 Lims Batch ID: 65291 Lims Sample ID: 5
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5975T\20120521-12080.b\T-8260.m
 Last Update: 21-May-2012 12:17:48 Calib Date: 16-Apr-2012 21:30:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5975T\20120416-11026.b\T7062.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: HillL

Date: 21-May-2012 12:17:48

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.501	4.501	0.0	94	644996	25.0	
* 2 Chlorobenzene-d5	117	6.709	6.709	-0.001	83	571221	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.563	8.564	-0.001	93	316500	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.190	4.191	-0.001	0	253047	21.9	
\$ 6 Toluene-d8 (Surr)	98	5.589	5.590	-0.001	92	865071	25.6	
\$ 7 4-Bromofluorobenzene (Surr)	174	7.641	7.641	0.0	95	274440	26.4	
11 Dichlorodifluoromethane	85		0.936					
12 Chlorodifluoromethane	51		0.957					
13 Chloromethane	50		1.050					
14 Vinyl chloride	62		1.133					
15 Bromomethane	94		1.361					
16 Chloroethane	64		1.444					
18 Dichlorofluoromethane	67		1.610					
17 Trichlorofluoromethane	101		1.620					
19 Ethyl ether	59		1.859					
84 Propene oxide	58		1.931					
21 Acrolein	56		2.014					
22 1,1-Dichloroethene	96		2.035					
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.035					
24 Iodomethane	142		2.170					
23 Acetone	43		2.170					
25 Carbon disulfide	76		2.190					
26 Isopropyl alcohol	45		2.356					
27 3-Chloro-1-propene	41		2.377					
28 Methyl acetate	43		2.439					
29 Acetonitrile	40		2.449					
30 Methylene Chloride	84		2.501					
32 trans-1,2-Dichloroethene	96		2.698					
31 2-Methyl-2-propanol	59		2.698					
33 Methyl tert-butyl ether	73		2.708					
34 Acrylonitrile	53		2.771					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
35 Hexane	57		2.874					
36 1,1-Dichloroethane	63		3.071					
37 Isopropyl ether	45		3.102					
38 2-Chloro-1,3-butadiene	53		3.123					
39 Vinyl acetate	43		3.133					
40 1,1-Dimethoxyethane	75		3.175					
41 Tert-butyl ethyl ether	59		3.393					
42 2,2-Dichloropropane	77		3.517					
43 cis-1,2-Dichloroethene	96		3.548					
44 2-Butanone (MEK)	43		3.600					
45 Ethyl acetate	43		3.631					
46 Propionitrile	54		3.693					
47 Chlorobromomethane	128		3.734					
48 Tetrahydrofuran	42		3.765					
49 Methacrylonitrile	41		3.776					
50 Chloroform	83		3.807					
52 Cyclohexane	56		3.890					
51 1,1,1-Trichloroethane	97		3.890					
53 Carbon tetrachloride	117		4.004					
54 1,1-Dichloropropene	75		4.014					
55 Benzene	78		4.190					
57 1,2-Dichloroethane	62		4.242					
56 Isobutyl alcohol	43		4.242					
58 Tert-amyl methyl ether	73		4.263					
59 n-Heptane	43		4.336					
60 Trichloroethene	95		4.677					
61 n-Butanol	56		4.740					
62 Methylcyclohexane	83		4.760					
63 1,2-Dichloropropane	63		4.874					
64 Methyl methacrylate	41		4.968					
65 Dibromomethane	93		4.978					
66 1,4-Dioxane	88		4.999					
67 Dichlorobromomethane	83		5.092					
68 2-Nitropropane	43		5.310					
69 2-Chloroethyl vinyl ether	63		5.330					
70 Epichlorohydrin	57		5.393					
71 cis-1,3-Dichloropropene	75		5.424					
72 4-Methyl-2-pentanone (MIBK)	43		5.548					
73 Toluene	92		5.641					
74 2-Methylthiophene	97		5.745					
75 trans-1,3-Dichloropropene	75		5.859					
76 3-Methylthiophene	97		5.869					
77 Ethyl methacrylate	69		5.900					
78 1,1,2-Trichloroethane	83		6.004					
79 Tetrachloroethene	166		6.035					
80 1,3-Dichloropropane	76		6.118					
81 2-Hexanone	43		6.190					
82 Chlorodibromomethane	129		6.294					
83 Ethylene Dibromide	107		6.377					
85 3-Chlorobenzotrifluoride	180		6.709					
86 Chlorobenzene	112		6.729					
87 4-Chlorobenzotrifluoride	180		6.761					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
89 1,1,1,2-Tetrachloroethane	131		6.802					
88 Ethylbenzene	91		6.802					
90 m-Xylene & p-Xylene	106		6.895					
91 o-Xylene	106		7.206					
92 Styrene	104		7.227					
93 Bromoform	173		7.413					
94 2-Chlorobenzotrifluoride	180		7.434					
95 Isopropylbenzene	105		7.496					
96 Cyclohexanone	55		7.631					
97 Bromobenzene	156		7.755					
98 1,1,2,2-Tetrachloroethane	83		7.807					
99 N-Propylbenzene	91		7.817					
100 1,2,3-Trichloropropane	110		7.828					
101 trans-1,4-Dichloro-2-butene	53		7.838					
105 2-Chlorotoluene	126		7.900					
103 3-Chlorotoluene	126		7.952					
104 1,3,5-Trimethylbenzene	105		7.962					
102 4-Chlorotoluene	91		7.994					
106 tert-Butylbenzene	134		8.222					
107 1,2,4-Trimethylbenzene	105		8.263					
108 Pentachloroethane	167		8.263					
109 sec-Butylbenzene	105		8.398					
110 1,3-Dichlorobenzene	146		8.501					
111 4-Isopropyltoluene	119		8.522					
112 Dicyclopentadiene	66		8.564					
113 1,4-Dichlorobenzene	146		8.584					
114 1,2,3-Trimethylbenzene	105		8.616					
115 n-Butylbenzene	91		8.854					
116 1,2-Dichlorobenzene	146		8.885					
117 1,2-Dibromo-3-Chloropropane	75		9.558					
118 1,3,5-Trichlorobenzene	180		9.683					
119 1,2,4-Trichlorobenzene	180		10.201					
120 Hexachlorobutadiene	225		10.315					
121 Naphthalene	128		10.408					
122 1,2,3-Trichlorobenzene	180		10.605					
S 125 Total BTEX	1		30.000					7
S 126 Xylenes, Total	1		30.000					7
S 123 1,3-Dichloropropene, Total	1		30.000					7
S 124 1,2-Dichloroethene, Total	1		30.000					7
T 127 Ethanol TIC	1		0.000					1
T 128 Hexachloroethane TIC	117		0.000					1
T 9 bis(2-chloromethyl)ether TIC	1		0.000					1
T 8 t-Amyl alcohol	1		0.000					1
T 10 Ethylene oxide	1		0.000					1

QC Flag Legend

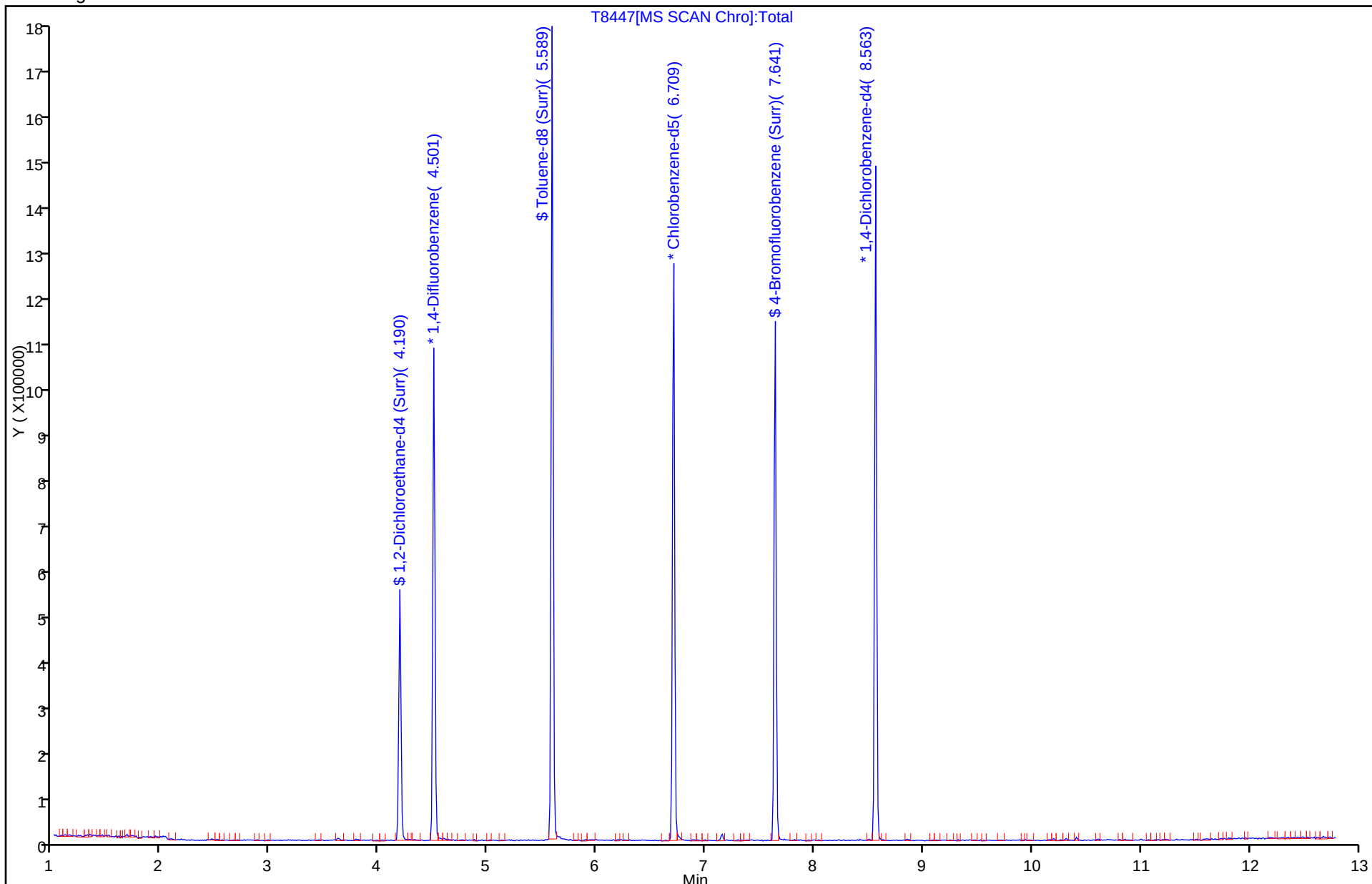
Processing Flags

1 - Missing Peaks

7 - Failed Limit of Detection

Report Date: 21-May-2012 12:17:49
Data File: \\Bufchrom\ChromData\HP5975T\20120521-12080.b\T8447.D
Injection Date: 21-May-2012 12:02:30
Client ID:
Lims Batch ID: 65291
Operator ID: LH
Column Type: ZB-624
Y Scaling:

Chrom Revision: 2.0 20-Feb-2012 13:27:02
Limit Group: MV - 8260B ICAL
Instrument ID: HP5975T
Lims Sample ID: 5
Column Dia: 0.25 mm



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-65398/5
 Matrix: Water Lab File ID: T8479.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 05/22/2012 00:12
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 65398 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	ND		1.0	0.41
108-88-3	Toluene	ND		1.0	0.51
100-41-4	Ethylbenzene	ND		1.0	0.74
179601-23-1	m-Xylene & p-Xylene	ND		2.0	0.66
95-47-6	o-Xylene	ND		1.0	0.76
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	85		66-137
2037-26-5	Toluene-d8 (Surr)	98		71-126
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20120521-12092.b\T8479.D
 Lims ID: MB Client ID:
 Inject. Date: 22-May-2012 00:12:30 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: MB
 Misc. Info.: 480-0012092-005
 Operator: RAL Instrument ID: HP5975T
 Vol. Injected: 1.0000 ALS Bottle#: 23
 Lims Batch ID: 65398 Lims Sample ID: 5
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5975T\20120521-12092.b\T-8260.m
 Last Update: 22-May-2012 00:47:40 Calib Date: 16-Apr-2012 21:30:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5975T\20120416-11026.b\T7062.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: larsonr

Date: 22-May-2012 00:47:40

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.501	4.501	0.0	94	642471	25.0	
* 2 Chlorobenzene-d5	117	6.709	6.709	0.0	83	577265	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.564	8.564	0.0	93	327468	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.190	4.190	0.0	0	245652	21.3	
\$ 6 Toluene-d8 (Surr)	98	5.589	5.589	0.0	92	839651	24.6	
\$ 7 4-Bromofluorobenzene (Surr)	174	7.641	7.641	0.0	94	265352	25.2	
11 Dichlorodifluoromethane	85		0.937					
12 Chlorodifluoromethane	51		0.957					
13 Chloromethane	50		1.050					
14 Vinyl chloride	62		1.133					
15 Bromomethane	94		1.361					
16 Chloroethane	64		1.444					
18 Dichlorofluoromethane	67		1.610					
17 Trichlorofluoromethane	101		1.620					
19 Ethyl ether	59		1.848					
84 Propene oxide	58		1.931					
21 Acrolein	56		2.014					
22 1,1-Dichloroethene	96		2.035					
20 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.045					
24 Iodomethane	142		2.170					
23 Acetone	43		2.170					
25 Carbon disulfide	76		2.201					
26 Isopropyl alcohol	45		2.356					
27 3-Chloro-1-propene	41		2.377					
28 Methyl acetate	43		2.439					
29 Acetonitrile	40		2.450					
30 Methylene Chloride	84		2.501					
31 2-Methyl-2-propanol	59		2.698					
32 trans-1,2-Dichloroethene	96		2.698					
33 Methyl tert-butyl ether	73		2.709					
34 Acrylonitrile	53		2.781					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
35 Hexane	57		2.874					
36 1,1-Dichloroethane	63		3.071					
37 Isopropyl ether	45		3.102					
38 2-Chloro-1,3-butadiene	53		3.123					
39 Vinyl acetate	43		3.144					
40 1,1-Dimethoxyethane	75		3.165					
41 Tert-butyl ethyl ether	59		3.392					
42 2,2-Dichloropropane	77		3.517					
43 cis-1,2-Dichloroethene	96		3.548					
44 2-Butanone (MEK)	43		3.600					
45 Ethyl acetate	43		3.631					
46 Propionitrile	54		3.693					
47 Chlorobromomethane	128		3.745					
49 Methacrylonitrile	41		3.776					
48 Tetrahydrofuran	42		3.776					
50 Chloroform	83		3.807					
52 Cyclohexane	56		3.890					
51 1,1,1-Trichloroethane	97		3.900					
53 Carbon tetrachloride	117		4.004					
54 1,1-Dichloropropene	75		4.014					
55 Benzene	78		4.190					
56 Isobutyl alcohol	43		4.242					
57 1,2-Dichloroethane	62		4.253					
58 Tert-amyl methyl ether	73		4.263					
59 n-Heptane	43		4.336					
60 Trichloroethene	95		4.678					
61 n-Butanol	56		4.740					
62 Methylcyclohexane	83		4.760					
63 1,2-Dichloropropane	63		4.874					
64 Methyl methacrylate	41		4.968					
65 Dibromomethane	93		4.978					
66 1,4-Dioxane	88		4.999					
67 Dichlorobromomethane	83		5.092					
68 2-Nitropropane	43		5.310					
69 2-Chloroethyl vinyl ether	63		5.330					
70 Epichlorohydrin	57		5.393					
71 cis-1,3-Dichloropropene	75		5.424					
72 4-Methyl-2-pentanone (MIBK)	43		5.548					
73 Toluene	92		5.641					
74 2-Methylthiophene	97		5.745					
75 trans-1,3-Dichloropropene	75		5.859					
76 3-Methylthiophene	97		5.869					
77 Ethyl methacrylate	69		5.900					
78 1,1,2-Trichloroethane	83		6.004					
79 Tetrachloroethene	166		6.035					
80 1,3-Dichloropropane	76		6.118					
81 2-Hexanone	43		6.191					
82 Chlorodibromomethane	129		6.294					
83 Ethylene Dibromide	107		6.367					
85 3-Chlorobenzotrifluoride	180		6.709					
86 Chlorobenzene	112		6.729					
87 4-Chlorobenzotrifluoride	180		6.760					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
89 1,1,1,2-Tetrachloroethane	131		6.802					
88 Ethylbenzene	91		6.802					
90 m-Xylene & p-Xylene	106		6.895					
91 o-Xylene	106		7.206					
92 Styrene	104		7.227					
93 Bromoform	173		7.413					
94 2-Chlorobenzotrifluoride	180		7.434					
95 Isopropylbenzene	105		7.496					
96 Cyclohexanone	55		7.631					
97 Bromobenzene	156		7.755					
98 1,1,2,2-Tetrachloroethane	83		7.797					
99 N-Propylbenzene	91		7.818					
100 1,2,3-Trichloropropane	110		7.828					
101 trans-1,4-Dichloro-2-butene	53		7.838					
105 2-Chlorotoluene	126		7.900					
103 3-Chlorotoluene	126		7.952					
104 1,3,5-Trimethylbenzene	105		7.963					
102 4-Chlorotoluene	91		7.994					
106 tert-Butylbenzene	134		8.222					
108 Pentachloroethane	167		8.263					
107 1,2,4-Trimethylbenzene	105		8.263					
109 sec-Butylbenzene	105		8.398					
110 1,3-Dichlorobenzene	146		8.502					
111 4-Isopropyltoluene	119		8.522					
112 Dicyclopentadiene	66		8.564					
113 1,4-Dichlorobenzene	146		8.584					
114 1,2,3-Trimethylbenzene	105		8.615					
115 n-Butylbenzene	91		8.854					
116 1,2-Dichlorobenzene	146		8.885					
117 1,2-Dibromo-3-Chloropropane	75		9.559					
118 1,3,5-Trichlorobenzene	180		9.683					
119 1,2,4-Trichlorobenzene	180		10.201					
120 Hexachlorobutadiene	225		10.315					
121 Naphthalene	128		10.408					
122 1,2,3-Trichlorobenzene	180		10.605					
S 123 1,3-Dichloropropene, Total	1		30.000					7
S 124 1,2-Dichloroethene, Total	1		30.000					7
S 125 Total BTEX	1		30.000					7
S 126 Xylenes, Total	1		30.000					7
T 8 t-Amyl alcohol	1		0.000					1
T 10 Ethylene oxide	1		0.000					1
T 9 bis(2-chloromethyl)ether TIC	1		0.000					1
T 127 Ethanol TIC	1		0.000					1
T 128 Hexachloroethane TIC	117		0.000					1

QC Flag Legend

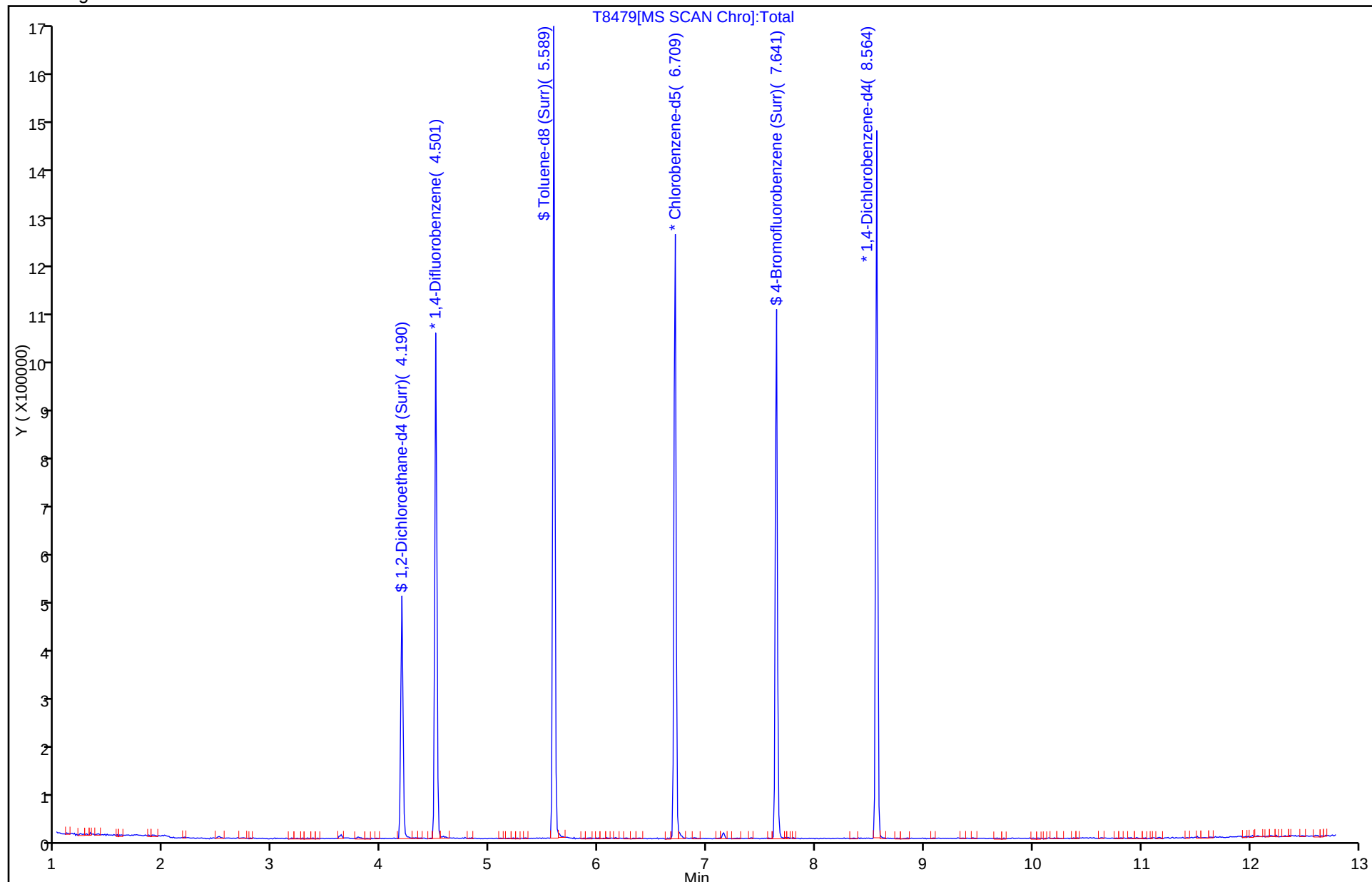
Processing Flags

1 - Missing Peaks

7 - Failed Limit of Detection

Report Date: 22-May-2012 00:47:40
Data File: \\Bufchrom\ChromData\HP5975T\20120521-12092.b\T8479.D
Injection Date: 22-May-2012 00:12:30
Client ID:
Lims Batch ID: 65398
Operator ID: RAL
Column Type: ZB-624
Y Scaling:

Chrom Revision: 2.0 20-Feb-2012 13:27:02
Limit Group: MV - 8260B ICAL
Instrument ID: HP5975T
Lims Sample ID: 5
Column Dia: 0.25 mm



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-65164/4
 Matrix: Water Lab File ID: N7831.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 05/19/2012 10:54
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 65164 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	27.9		1.0	0.41
108-88-3	Toluene	28.6		1.0	0.51
100-41-4	Ethylbenzene	29.7		1.0	0.74
179601-23-1	m-Xylene & p-Xylene	58.3		2.0	0.66
95-47-6	o-Xylene	28.4		1.0	0.76
1330-20-7	Xylenes, Total	86.7		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	122		66-137
2037-26-5	Toluene-d8 (Surr)	114		71-126
460-00-4	4-Bromofluorobenzene (Surr)	116		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20120519-12045.b\N7831.D
 Lims ID: LCS Client ID:
 Inject. Date: 19-May-2012 10:54:30 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: LCS
 Misc. Info.: 480-0012045-004
 Operator: LH Instrument ID: HP5973N
 Vol. Injected: 1.0000 ALS Bottle#: 48
 Lims Batch ID: 65164 Lims Sample ID: 4
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20120519-12045.b\N-8260.m
 Last Update: 19-May-2012 11:19:56 Calib Date: 09-May-2012 04:33:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20120508-11730.b\N7451.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: HillL

Date: 19-May-2012 11:19:56

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.519	4.518	0.001	95	814942	25.0	
* 2 Chlorobenzene-d5	117	7.311	7.311	0.0	94	672107	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.781	9.781	0.0	96	343801	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.129	4.129	0.0	97	392561	30.4	
\$ 6 Toluene-d8 (Surr)	98	5.869	5.869	0.0	86	967343	28.4	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.558	8.558	0.0	84	272795	29.0	
22 1,1-Dichloroethene	96	1.872	1.860	0.012	82	226805	27.1	
33 trans-1,2-Dichloroethene	96	2.511	2.505	0.006	80	292866	28.9	
32 Methyl tert-butyl ether	73	2.511	2.511	0.0	86	909558	27.1	
36 1,1-Dichloroethane	63	2.882	2.876	0.006	85	678475	27.8	
43 cis-1,2-Dichloroethene	96	3.399	3.393	0.006	77	294173	27.5	
55 Benzene	78	4.135	4.129	0.006	95	1179264	27.9	
57 1,2-Dichloroethane	62	4.202	4.196	0.006	95	536032	30.1	
60 Trichloroethene	95	4.732	4.725	0.007	93	286056	29.1	
73 Toluene	92	5.930	5.930	0.0	90	705817	28.6	
79 Tetrachloroethene	166	6.447	6.447	0.0	89	283193	29.7	
85 Chlorobenzene	112	7.341	7.341	0.0	87	751995	28.0	
88 Ethylbenzene	91	7.451	7.445	0.006	98	1359301	29.7	
90 m-Xylene & p-Xylene	106	7.573	7.572	0.001	97	1049404	58.3	
91 o-Xylene	106	7.986	7.986	0.0	98	500929	28.4	
108 1,2,4-Trimethylbenzene	105	9.416	9.416	0.0	91	1139503	30.0	
116 1,2-Dichlorobenzene	146	10.170	10.170	0.0	94	541747	29.1	
S 126 Xylenes, Total	1				0		86.7	
S 124 1,2-Dichloroethene, Total	1				0		56.4	

Report Date: 19-May-2012 11:19:56

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973N\20120519-12045.b\N7831.D

Injection Date: 19-May-2012 10:54:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 65164

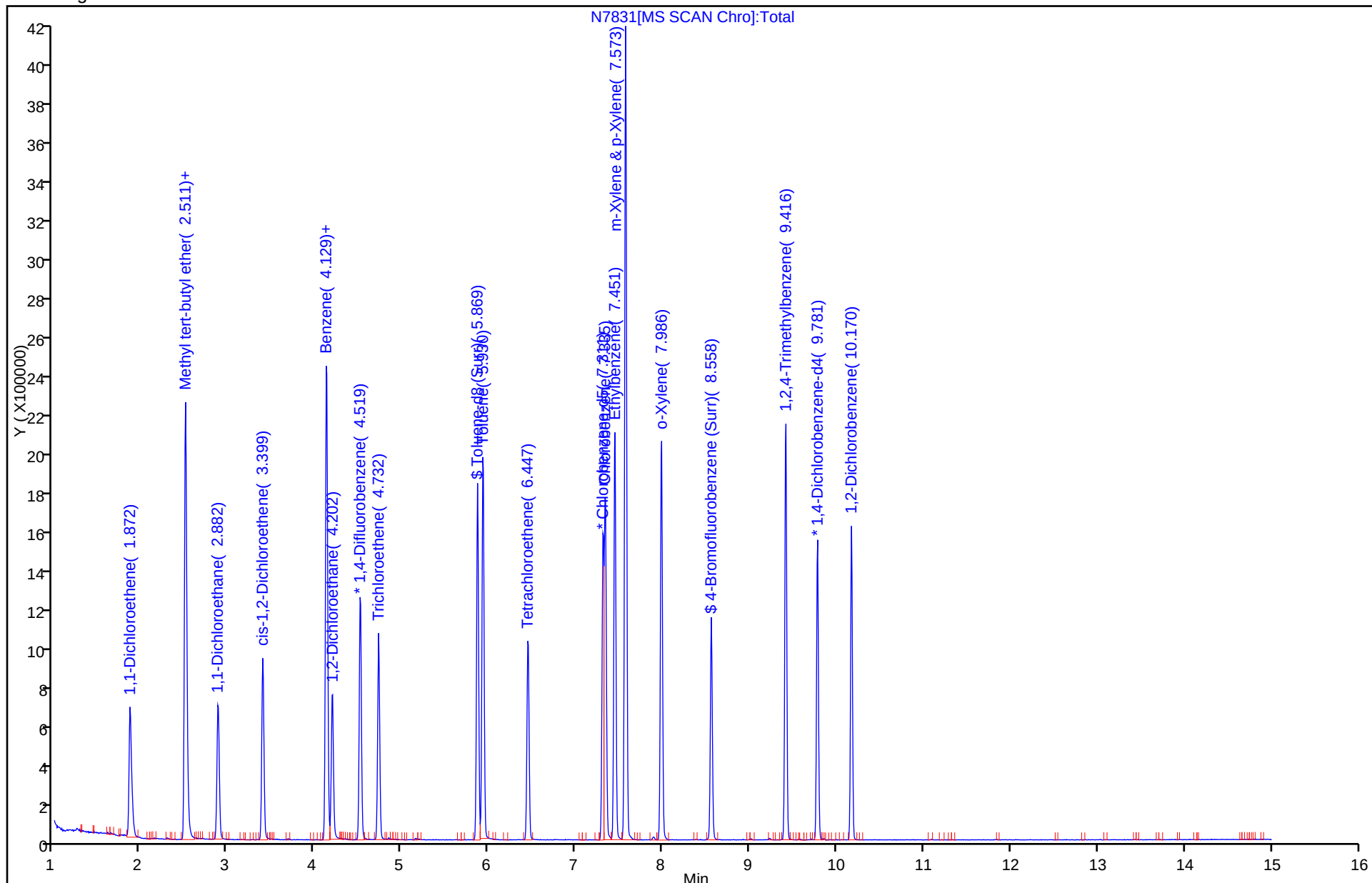
Lims Sample ID: 4

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-65291/4
 Matrix: Water Lab File ID: T8446.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 05/21/2012 11:38
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 65291 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	23.7		1.0	0.41
108-88-3	Toluene	23.9		1.0	0.51
100-41-4	Ethylbenzene	23.5		1.0	0.74
179601-23-1	m-Xylene & p-Xylene	50.2		2.0	0.66
95-47-6	o-Xylene	25.0		1.0	0.76
1330-20-7	Xylenes, Total	75.2		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		66-137
2037-26-5	Toluene-d8 (Surr)	111		71-126
460-00-4	4-Bromofluorobenzene (Surr)	112		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20120521-12080.b\T8446.D
 Lims ID: LCS Client ID:
 Inject. Date: 21-May-2012 11:38:30 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: LCS
 Misc. Info.: 480-0012080-004
 Operator: LH Instrument ID: HP5975T
 Vol. Injected: 1.0000 ALS Bottle#: 65
 Lims Batch ID: 65291 Lims Sample ID: 4
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5975T\20120521-12080.b\T-8260.m
 Last Update: 21-May-2012 12:17:22 Calib Date: 16-Apr-2012 21:30:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5975T\20120416-11026.b\T7062.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: HillL

Date: 21-May-2012 12:17:22

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.501	4.501	0.0	94	617499	25.0	
* 2 Chlorobenzene-d5	117	6.709	6.709	0.0	83	546526	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.564	8.564	0.0	65	321002	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.190	4.191	-0.001	0	255944	23.1	
\$ 6 Toluene-d8 (Surr)	98	5.589	5.590	-0.001	90	899807	27.8	
\$ 7 4-Bromofluorobenzene (Surr)	174	7.641	7.641	0.0	94	277456	27.9	
11 Dichlorodifluoromethane	85	0.936	0.936	0.0	87	204554	25.5	
13 Chloromethane	50	1.050	1.050	0.0	89	295084	23.9	
14 Vinyl chloride	62	1.133	1.133	0.0	84	285699	25.6	
15 Bromomethane	94	1.361	1.361	0.0	93	94231	27.9	
16 Chloroethane	64	1.434	1.444	-0.010	95	140349	26.2	
17 Trichlorofluoromethane	101	1.620	1.620	0.0	84	253403	27.3	
21 Acrolein	56	2.014	2.014	0.0	99	360166	386.6	
22 1,1-Dichloroethene	96	2.035	2.035	0.0	88	177552	24.3	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.035	2.035	0.0	63	191843	27.7	
24 Iodomethane	142	2.180	2.170	0.010	87	280549	29.6	
23 Acetone	43	2.170	2.170	0.0	99	367136	99.0	
25 Carbon disulfide	76	2.201	2.190	0.011	100	553550	24.4	
28 Methyl acetate	43	2.439	2.439	0.0	96	318524	24.2	
29 Acetonitrile	40	2.449	2.449	0.0	99	687786	777.3	
30 Methylene Chloride	84	2.501	2.501	0.0	88	213959	23.4	
32 trans-1,2-Dichloroethene	96	2.698	2.698	0.0	94	211714	24.7	
33 Methyl tert-butyl ether	73	2.708	2.708	0.0	92	622071	22.6	
34 Acrylonitrile	53	2.781	2.771	0.010	99	461755	105.8	
36 1,1-Dichloroethane	63	3.071	3.071	0.0	85	370193	22.1	
39 Vinyl acetate	43	3.144	3.133	0.011	97	2186516	97.1	
42 2,2-Dichloropropane	77	3.517	3.517	0.0	89	204320	23.5	
43 cis-1,2-Dichloroethene	96	3.548	3.548	0.0	65	228816	23.9	
44 2-Butanone (MEK)	43	3.600	3.600	0.0	99	626821	96.8	
47 Chlorobromomethane	128	3.745	3.734	0.011	92	117365	24.8	
48 Tetrahydrofuran	42	3.765	3.765	0.0	89	407586	97.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
50 Chloroform	83	3.807	3.807	0.0	80	363090	23.4	
52 Cyclohexane	56	3.890	3.890	0.0	89	395416	23.8	
51 1,1,1-Trichloroethane	97	3.890	3.890	0.0	89	282094	23.3	
53 Carbon tetrachloride	117	4.004	4.004	0.0	82	264664	26.1	
54 1,1-Dichloropropene	75	4.014	4.014	0.0	94	283434	23.0	
55 Benzene	78	4.190	4.190	0.0	96	831154	23.7	
57 1,2-Dichloroethane	62	4.242	4.242	0.0	90	276015	20.5	
60 Trichloroethene	95	4.677	4.677	0.0	93	219706	23.8	
62 Methylcyclohexane	83	4.760	4.760	0.0	90	408844	27.5	
63 1,2-Dichloropropane	63	4.874	4.874	0.0	96	220604	22.8	
65 Dibromomethane	93	4.968	4.978	-0.010	88	133613	22.6	
67 Dichlorobromomethane	83	5.092	5.092	0.0	93	249629	23.0	
69 2-Chloroethyl vinyl ether	63	5.330	5.330	0.0	90	867839	111.8	
71 cis-1,3-Dichloropropene	75	5.424	5.424	0.0	90	322066	22.2	
72 4-Methyl-2-pentanone (MIBK)	43	5.548	5.548	0.0	96	1373752	102.8	
73 Toluene	92	5.641	5.641	0.0	98	517446	23.9	
75 trans-1,3-Dichloropropene	75	5.859	5.859	0.0	89	282235	21.5	
77 Ethyl methacrylate	69	5.900	5.900	0.0	90	291751	23.3	
78 1,1,2-Trichloroethane	83	6.004	6.004	0.0	86	167967	23.3	
79 Tetrachloroethene	166	6.035	6.035	0.0	85	243600	26.6	
80 1,3-Dichloropropane	76	6.118	6.118	0.0	90	334464	23.1	
81 2-Hexanone	43	6.190	6.190	0.0	96	968110	99.3	
82 Chlorodibromomethane	129	6.294	6.294	0.0	88	192171	25.8	
83 Ethylene Dibromide	107	6.377	6.377	0.0	100	205924	23.5	
86 Chlorobenzene	112	6.729	6.729	0.0	97	614535	25.2	
89 1,1,1,2-Tetrachloroethane	131	6.802	6.802	0.0	40	201738	25.8	
88 Ethylbenzene	91	6.802	6.802	0.0	98	983715	23.5	
90 m-Xylene & p-Xylene	106	6.895	6.895	0.0	98	802625	50.2	
91 o-Xylene	106	7.206	7.206	0.0	97	395820	25.0	
92 Styrene	104	7.227	7.227	0.0	96	621487	23.8	
93 Bromoform	173	7.413	7.413	0.0	98	128861	27.8	
95 Isopropylbenzene	105	7.496	7.496	0.0	95	1020377	21.4	
97 Bromobenzene	156	7.755	7.755	0.0	91	258858	22.0	
98 1,1,2,2-Tetrachloroethane	83	7.797	7.807	-0.010	80	283079	21.0	
99 N-Propylbenzene	91	7.817	7.817	0.0	99	1244177	21.2	
100 1,2,3-Trichloropropane	110	7.828	7.828	0.0	76	86370	20.2	
101 trans-1,4-Dichloro-2-butene	53	7.838	7.838	0.0	90	367450	76.3	
105 2-Chlorotoluene	126	7.900	7.900	0.0	97	250561	22.9	
104 1,3,5-Trimethylbenzene	105	7.962	7.962	0.0	94	820912	21.1	
102 4-Chlorotoluene	91	7.994	7.994	0.0	97	800173	21.0	
106 tert-Butylbenzene	134	8.222	8.222	0.0	91	196335	22.9	
107 1,2,4-Trimethylbenzene	105	8.263	8.263	0.0	96	867622	21.9	
109 sec-Butylbenzene	105	8.398	8.398	0.0	94	1114545	22.2	
110 1,3-Dichlorobenzene	146	8.501	8.501	0.0	98	519128	23.3	
111 4-Isopropyltoluene	119	8.522	8.522	0.0	97	942135	22.8	
113 1,4-Dichlorobenzene	146	8.584	8.584	0.0	96	531111	23.0	
115 n-Butylbenzene	91	8.854	8.854	0.0	97	836250	21.1	
116 1,2-Dichlorobenzene	146	8.885	8.885	0.0	93	499013	23.1	
117 1,2-Dibromo-3-Chloropropane	75	9.558	9.558	0.0	86	40992	18.7	
119 1,2,4-Trichlorobenzene	180	10.201	10.201	0.0	90	354755	22.5	
120 Hexachlorobutadiene	225	10.315	10.315	0.0	95	171068	27.8	
121 Naphthalene	128	10.408	10.408	0.0	97	851977	20.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
122 1,2,3-Trichlorobenzene	180	10.605	10.605	0.0	95	323232	23.5	
S 126 Xylenes, Total	1				0		75.2	
S 123 1,3-Dichloropropene, Total	1				0		43.7	
S 124 1,2-Dichloroethene, Total	1				0		48.6	

Report Date: 21-May-2012 12:17:22

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5975T\20120521-12080.b\T8446.D

Injection Date: 21-May-2012 11:38:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5975T

Lims Batch ID: 65291

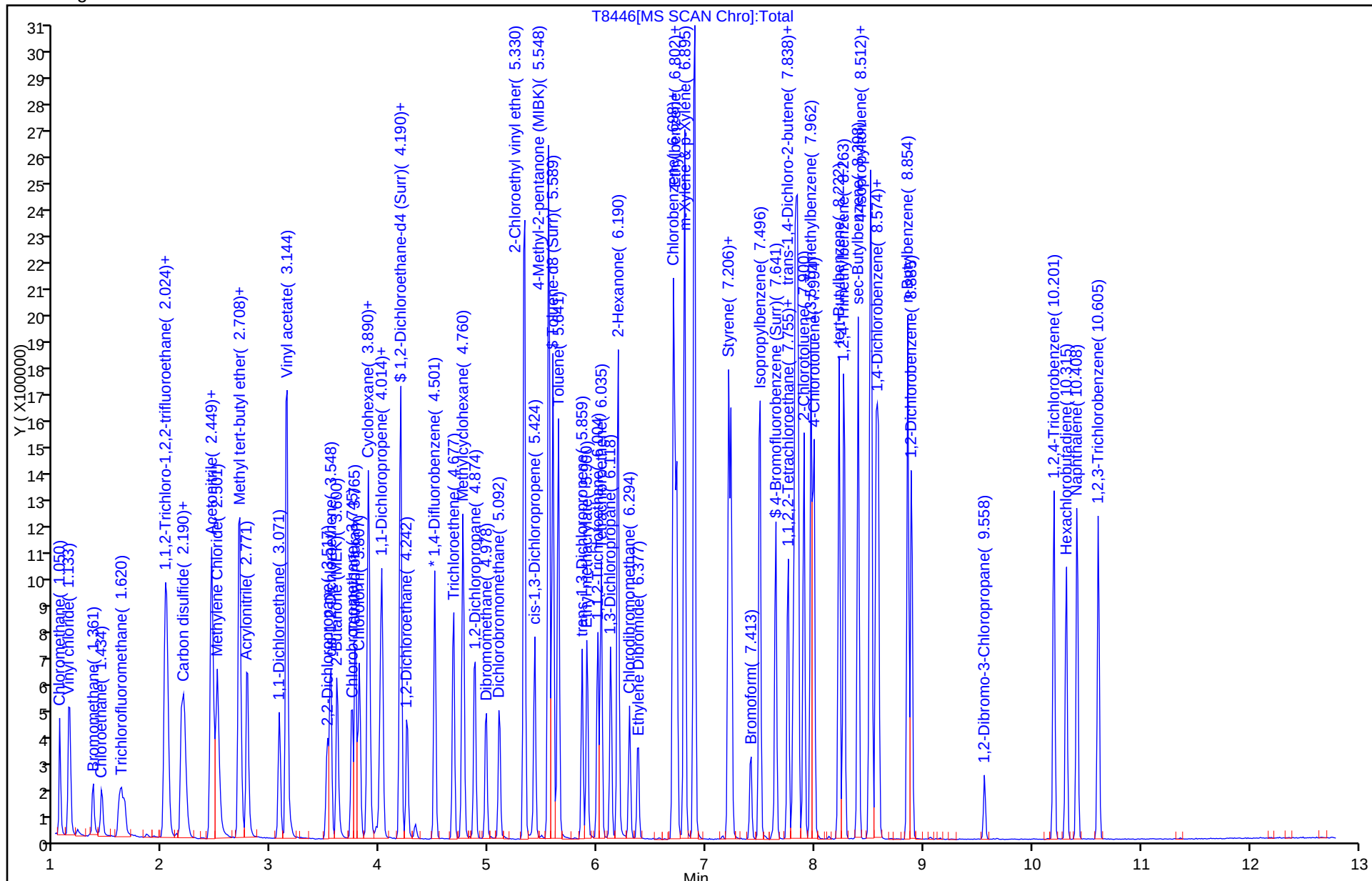
Lims Sample ID: 4

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-65398/4
 Matrix: Water Lab File ID: T8478.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 05/21/2012 23:48
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 65398 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	23.4		1.0	0.41
108-88-3	Toluene	24.0		1.0	0.51
100-41-4	Ethylbenzene	23.3		1.0	0.74
179601-23-1	m-Xylene & p-Xylene	50.8		2.0	0.66
95-47-6	o-Xylene	23.8		1.0	0.76
1330-20-7	Xylenes, Total	74.6		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		66-137
2037-26-5	Toluene-d8 (Surr)	100		71-126
460-00-4	4-Bromofluorobenzene (Surr)	106		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975T\20120521-12092.b\T8478.D
 Lims ID: LCS Client ID:
 Inject. Date: 21-May-2012 23:48:30 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: LCS
 Misc. Info.: 480-0012092-004
 Operator: RAL Instrument ID: HP5975T
 Vol. Injected: 1.0000 ALS Bottle#: 22
 Lims Batch ID: 65398 Lims Sample ID: 4
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5975T\20120521-12092.b\T-8260.m
 Last Update: 22-May-2012 00:10:27 Calib Date: 16-Apr-2012 21:30:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5975T\20120416-11026.b\T7062.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: larsonr

Date: 22-May-2012 00:10:26

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.501	4.501	0.0	94	631539	25.0	
* 2 Chlorobenzene-d5	117	6.709	6.709	0.0	82	575852	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.564	8.564	0.0	93	320046	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	65	4.190	4.190	0.0	0	249051	22.0	
\$ 6 Toluene-d8 (Surr)	98	5.589	5.589	0.0	92	854061	25.1	
\$ 7 4-Bromofluorobenzene (Surr)	174	7.641	7.641	0.0	93	279532	26.6	
22 1,1-Dichloroethene	96	2.035	2.035	0.0	88	157333	21.1	
32 trans-1,2-Dichloroethene	96	2.709	2.698	0.010	96	217751	24.8	
33 Methyl tert-butyl ether	73	2.709	2.709	-0.001	91	568402	20.2	
36 1,1-Dichloroethane	63	3.071	3.071	0.0	85	373031	21.8	
43 cis-1,2-Dichloroethene	96	3.548	3.548	0.0	68	234128	24.0	
55 Benzene	78	4.190	4.190	0.0	96	839640	23.4	
57 1,2-Dichloroethane	62	4.242	4.253	-0.011	91	293986	21.3	
60 Trichloroethene	95	4.677	4.678	-0.001	91	215920	22.9	
73 Toluene	92	5.641	5.641	0.0	99	548279	24.0	
79 Tetrachloroethene	166	6.035	6.035	0.0	93	256505	26.6	
86 Chlorobenzene	112	6.729	6.729	0.0	96	632577	24.6	
88 Ethylbenzene	91	6.802	6.802	0.0	98	1026938	23.3	
90 m-Xylene & p-Xylene	106	6.895	6.895	0.0	98	856729	50.8	
91 o-Xylene	106	7.206	7.206	0.0	97	397297	23.8	
107 1,2,4-Trimethylbenzene	105	8.263	8.263	0.0	98	842180	21.3	
116 1,2-Dichlorobenzene	146	8.885	8.885	0.0	98	516294	24.0	
S 124 1,2-Dichloroethene, Total	1				0		48.8	
S 126 Xylenes, Total	1				0		74.7	

Report Date: 22-May-2012 00:10:27

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5975T\20120521-12092.b\T8478.D

Injection Date: 21-May-2012 23:48:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5975T

Lims Batch ID: 65398

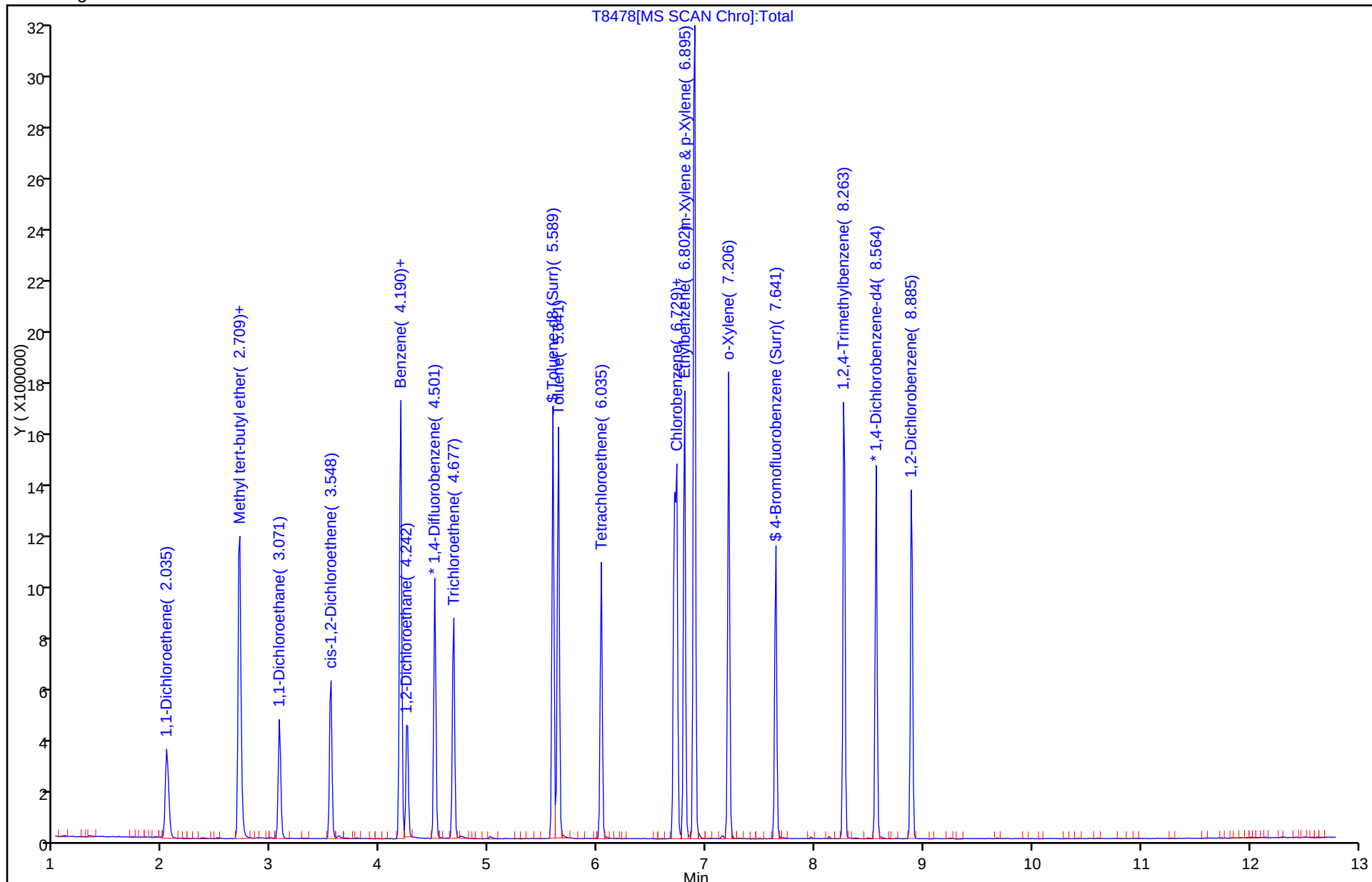
Lims Sample ID: 4

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1

SDG No.: _____

Instrument ID: HP5973N Start Date: 05/08/2012 21:19Analysis Batch Number: 63571 End Date: 05/09/2012 04:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-63571/1		05/08/2012 21:19	1	N7433.D	ZB-624 (60) 0.25 (mm)
IC 480-63571/3		05/08/2012 22:15	1	N7435.D	ZB-624 (60) 0.25 (mm)
IC 480-63571/4		05/08/2012 22:39	1	N7436.D	ZB-624 (60) 0.25 (mm)
IC 480-63571/5		05/08/2012 23:02	1	N7437.D	ZB-624 (60) 0.25 (mm)
ICIS 480-63571/6		05/08/2012 23:26	1	N7438.D	ZB-624 (60) 0.25 (mm)
IC 480-63571/7		05/08/2012 23:50	1	N7439.D	ZB-624 (60) 0.25 (mm)
IC 480-63571/8		05/09/2012 00:14	1	N7440.D	ZB-624 (60) 0.25 (mm)
IC 480-63571/14		05/09/2012 02:35	1		ZB-624 (60) 0.25 (mm)
IC 480-63571/15		05/09/2012 02:59	1		ZB-624 (60) 0.25 (mm)
IC 480-63571/16		05/09/2012 03:22	1		ZB-624 (60) 0.25 (mm)
IC 480-63571/17		05/09/2012 03:46	1		ZB-624 (60) 0.25 (mm)
IC 480-63571/18		05/09/2012 04:09	1		ZB-624 (60) 0.25 (mm)
IC 480-63571/19		05/09/2012 04:33	1		ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-20186-1

SDG No.: _____

Instrument ID: HP5973NStart Date: 05/19/2012 08:46Analysis Batch Number: 65164End Date: 05/19/2012 19:48

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-65164/1		05/19/2012 08:46	1	N7828.D	ZB-624 (60) 0.25 (mm)
CCVIS 480-65164/2		05/19/2012 09:59	1	N7829.D	ZB-624 (60) 0.25 (mm)
CCV 480-65164/3		05/19/2012 10:31	1		ZB-624 (60) 0.25 (mm)
LCS 480-65164/4		05/19/2012 10:54	1	N7831.D	ZB-624 (60) 0.25 (mm)
MB 480-65164/5		05/19/2012 11:18	1	N7832.D	ZB-624 (60) 0.25 (mm)
480-20186-1	MW8DR	05/19/2012 11:56	5	N7833.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		05/19/2012 12:20	10		ZB-624 (60) 0.25 (mm)
480-20186-3	MW3DR	05/19/2012 12:43	5	N7835.D	ZB-624 (60) 0.25 (mm)
480-20186-4	MW3DR DUP	05/19/2012 13:07	5	N7836.D	ZB-624 (60) 0.25 (mm)
480-20186-5	EB1	05/19/2012 13:30	1	N7837.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		05/19/2012 13:53	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/19/2012 14:17	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/19/2012 14:40	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/19/2012 15:03	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/19/2012 15:27	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/19/2012 15:50	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/19/2012 16:15	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/19/2012 16:38	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/19/2012 17:02	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/19/2012 17:26	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/19/2012 17:49	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/19/2012 18:12	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/19/2012 18:36	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/19/2012 18:59	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/19/2012 19:24	5		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/19/2012 19:48	20		ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1

SDG No.: _____

Instrument ID: HP5975T Start Date: 04/16/2012 13:14Analysis Batch Number: 59786 End Date: 04/16/2012 21:30

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-59786/1		04/16/2012 13:14	1	T7041.D	ZB-624 (60) 0.25 (mm)
IC 480-59786/3		04/16/2012 14:25	1	T7044.D	ZB-624 (60) 0.25 (mm)
IC 480-59786/4		04/16/2012 14:49	1	T7045.D	ZB-624 (60) 0.25 (mm)
ICIS 480-59786/5		04/16/2012 15:12	1	T7046.D	ZB-624 (60) 0.25 (mm)
IC 480-59786/6		04/16/2012 15:36	1	T7047.D	ZB-624 (60) 0.25 (mm)
IC 480-59786/7		04/16/2012 16:00	1	T7048.D	ZB-624 (60) 0.25 (mm)
IC 480-59786/16		04/16/2012 17:35	1	T7052.D	ZB-624 (60) 0.25 (mm)
ICV 480-59786/8		04/16/2012 17:59	1		ZB-624 (60) 0.25 (mm)
MDLV 480-59786/9		04/16/2012 18:45	1		ZB-624 (60) 0.25 (mm)
IC 480-59786/10		04/16/2012 19:32	1		ZB-624 (60) 0.25 (mm)
IC 480-59786/11		04/16/2012 19:56	1		ZB-624 (60) 0.25 (mm)
IC 480-59786/12		04/16/2012 20:19	1		ZB-624 (60) 0.25 (mm)
IC 480-59786/13		04/16/2012 20:43	1		ZB-624 (60) 0.25 (mm)
IC 480-59786/14		04/16/2012 21:07	1		ZB-624 (60) 0.25 (mm)
IC 480-59786/15		04/16/2012 21:30	1		ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1

SDG No.: _____

Instrument ID: HP5975T Start Date: 05/21/2012 10:01Analysis Batch Number: 65291 End Date: 05/21/2012 22:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-65291/1		05/21/2012 10:01	1	T8443.D	ZB-624 (60) 0.25 (mm)
CCVIS 480-65291/2		05/21/2012 10:31	1	T8444.D	ZB-624 (60) 0.25 (mm)
CCV 480-65291/3		05/21/2012 11:14	1		ZB-624 (60) 0.25 (mm)
LCS 480-65291/4		05/21/2012 11:38	1	T8446.D	ZB-624 (60) 0.25 (mm)
MB 480-65291/5		05/21/2012 12:02	1	T8447.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		05/21/2012 12:33	200		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/21/2012 12:56	200		ZB-624 (60) 0.25 (mm)
480-20186-3 DL	MW3DR DL	05/21/2012 13:21	20	T8450.D	ZB-624 (60) 0.25 (mm)
480-20186-4 DL	MW3DR DUP DL	05/21/2012 13:44	20	T8451.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		05/21/2012 14:08	40		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/21/2012 14:31	50		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/21/2012 14:55	10		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/21/2012 15:18	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/21/2012 15:42	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/21/2012 16:06	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/21/2012 16:30	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/21/2012 16:54	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/21/2012 17:17	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/21/2012 17:41	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/21/2012 18:05	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/21/2012 18:29	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/21/2012 18:53	100		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/21/2012 19:17	100		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/21/2012 19:41	100		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/21/2012 20:04	100		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/21/2012 20:27	100		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/21/2012 20:51	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/21/2012 21:14	100		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/21/2012 21:38	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/21/2012 22:01	4		ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-20186-1

SDG No.: _____

Instrument ID: HP5975TStart Date: 05/21/2012 22:25Analysis Batch Number: 65398End Date: 05/22/2012 09:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-65398/1		05/21/2012 22:25	1	T8475.D	ZB-624 (60) 0.25 (mm)
CCVIS 480-65398/2		05/21/2012 22:47	1	T8476.D	ZB-624 (60) 0.25 (mm)
CCV 480-65398/3		05/21/2012 23:24	1		ZB-624 (60) 0.25 (mm)
LCS 480-65398/4		05/21/2012 23:48	1	T8478.D	ZB-624 (60) 0.25 (mm)
MB 480-65398/5		05/22/2012 00:12	1	T8479.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		05/22/2012 00:44	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/22/2012 01:08	100		ZB-624 (60) 0.25 (mm)
480-20186-1 DL	MW8DR DL	05/22/2012 01:32	800	T8482.D	ZB-624 (60) 0.25 (mm)
480-20186-2	DW1R	05/22/2012 01:55	800	T8483.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		05/22/2012 02:19	10		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/22/2012 02:42	20		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/22/2012 03:06	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/22/2012 03:30	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/22/2012 03:53	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/22/2012 04:17	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/22/2012 04:41	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/22/2012 05:04	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/22/2012 05:28	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/22/2012 05:52	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/22/2012 06:16	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/22/2012 06:40	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/22/2012 07:03	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/22/2012 07:27	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/22/2012 07:50	4		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/22/2012 08:14	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/22/2012 08:37	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/22/2012 09:01	40		ZB-624 (60) 0.25 (mm)

Method 8270C

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

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
SDG No.: _____
Matrix: Water Level: Low
GC Column (1): RXI-5Sil MS ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	NBZ #	FBP #	TPH #	
MW8DR	480-20186-1	84	85	31	X
MW8DR DL	480-20186-1 DL	47	74	0	X
DW1R	480-20186-2	93	88	33	X
DW1R DL	480-20186-2 DL	74	79	0	X
MW3DR	480-20186-3	83	87	76	
MW3DR DL	480-20186-3 DL	75	88	74	
MW3DR DUP	480-20186-4	88	95	73	
MW3DR DUP DL	480-20186-4 DL	77	93	71	
EB1	480-20186-5	91	91	85	
	MB 480-65066/1-A	83	86	108	
	LCS 480-65066/2-A	109	107	117	
	LCSD 480-65066/3-A	114	111	123	

	<u>QC LIMITS</u>
NBZ = Nitrobenzene-d5	46-120
FBP = 2-Fluorobiphenyl	48-120
TPH = p-Terphenyl-d14	67-150

Column to be used to flag recovery values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: V0995.D
 Lab ID: LCS 480-65066/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acenaphthene	100	103	103	60-120	
Acenaphthylene	100	106	106	63-120	
Anthracene	100	118	118	69-131	
Benz (a) anthracene	100	120	120	73-138	
Benzo (a) pyrene	100	128	128	74-126	*
Benzo (b) fluoranthene	100	153	153	75-133	*
Benzo (g,h,i) perylene	100	93.0	93	66-152	
Benzo (k) fluoranthene	100	133	133	75-133	
Chrysene	100	112	112	69-140	
Dibenz (a,h) anthracene	100	93.9	94	67-144	
Fluoranthene	100	125	125	67-133	
Fluorene	100	114	114	66-129	
Indeno (1,2,3-c,d) pyrene	100	94.6	95	69-146	
Naphthalene	100	89.6	90	48-120	
Phenanthrene	100	116	116	67-130	
Pyrene	100	102	102	58-136	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: V0996.D
 Lab ID: LCSD 480-65066/3-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Acenaphthene	100	109	109	5	24	60-120	
Acenaphthylene	100	113	113	6	18	63-120	
Anthracene	100	120	120	2	15	69-131	
Benz (a) anthracene	100	121	121	1	15	73-138	
Benzo (a) pyrene	100	136	136	6	15	74-126	*
Benzo (b) fluoranthene	100	148	148	3	15	75-133	*
Benzo (g,h,i) perylene	100	95.4	95	3	15	66-152	
Benzo (k) fluoranthene	100	151	151	13	22	75-133	*
Chrysene	100	118	118	6	15	69-140	
Dibenz (a,h) anthracene	100	97.8	98	4	15	67-144	
Fluoranthene	100	127	127	2	15	67-133	
Fluorene	100	118	118	3	15	66-129	
Indeno (1,2,3-c,d) pyrene	100	98.7	99	4	15	69-146	
Naphthalene	100	96.8	97	8	29	48-120	
Phenanthrene	100	118	118	1	15	67-130	
Pyrene	100	105	105	3	19	58-136	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
SDG No.: _____
Lab File ID: V0994.D Lab Sample ID: MB 480-65066/1-A
Matrix: Water Date Extracted: 05/18/2012 13:56
Instrument ID: HP5973V Date Analyzed: 05/24/2012 23:14
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-65066/2-A	V0995.D	05/24/2012 23:38
	LCSD 480-65066/3-A	V0996.D	05/25/2012 00:02
MW8DR	480-20186-1	V1010.D	05/25/2012 05:39
DW1R	480-20186-2	V1011.D	05/25/2012 06:03
MW3DR	480-20186-3	V1012.D	05/25/2012 06:27
MW3DR DUP	480-20186-4	V1013.D	05/25/2012 06:51
EB1	480-20186-5	V1014.D	05/25/2012 07:15
MW8DR DL	480-20186-1 DL	V1035.D	05/25/2012 15:05
DW1R DL	480-20186-2 DL	V1036.D	05/25/2012 15:30
MW3DR DL	480-20186-3 DL	V1037.D	05/25/2012 15:54
MW3DR DUP DL	480-20186-4 DL	V1038.D	05/25/2012 16:18

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

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
SDG No.: _____
Lab File ID: V0744.D DFTPP Injection Date: 05/18/2012
Instrument ID: HP5973V DFTPP Injection Time: 15:54
Analysis Batch No.: 65015

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	42.1
68	Less than 2.0 % of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	38.8
70	Less than 2.0 % of mass 69	0.0 (0.0) 1
127	40.0 - 60.0 % of mass 198	47.8
197	Less than 1.0 % of mass 198	0.0
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	6.4
275	10.0 - 30.0 % of mass 198	23.1
365	Greater than 1.0 % of mass 198	2.6
441	Present but less than mass 443	10.2 (61.7) 1
442	Greater than 40.0 % of mass 198	86.2
443	17.0 - 23.0 % of mass 442	16.5 (19.1) 2

1-Value is % mass 69

2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-65015/2	V0745.D	05/18/2012	16:10
	IC 480-65015/3	V0746.D	05/18/2012	16:34
	ICIS 480-65015/4	V0747.D	05/18/2012	16:58
	IC 480-65015/5	V0748.D	05/18/2012	17:22
	IC 480-65015/6	V0749.D	05/18/2012	17:46
	IC 480-65015/7	V0750.D	05/18/2012	18:10

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

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
SDG No.: _____
Lab File ID: V0991.D DFTPP Injection Date: 05/24/2012
Instrument ID: HP5973V DFTPP Injection Time: 22:08
Analysis Batch No.: 65945

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	40.2
68	Less than 2.0 % of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	37.2
70	Less than 2.0 % of mass 69	0.1 (0.4) 1
127	40.0 - 60.0 % of mass 198	45.3
197	Less than 1.0 % of mass 198	0.2
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	6.3
275	10.0 - 30.0 % of mass 198	24.3
365	Greater than 1.0 % of mass 198	2.8
441	Present but less than mass 443	11.4 (66.4) 1
442	Greater than 40.0 % of mass 198	91.2
443	17.0 - 23.0 % of mass 442	17.2 (18.8) 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 480-65945/2	V0992.D	05/24/2012	22:25
	MB 480-65066/1-A	V0994.D	05/24/2012	23:14
	LCS 480-65066/2-A	V0995.D	05/24/2012	23:38
	LCSD 480-65066/3-A	V0996.D	05/25/2012	00:02
MW8DR	480-20186-1	V1010.D	05/25/2012	05:39
DW1R	480-20186-2	V1011.D	05/25/2012	06:03
MW3DR	480-20186-3	V1012.D	05/25/2012	06:27
MW3DR DUP	480-20186-4	V1013.D	05/25/2012	06:51
EB1	480-20186-5	V1014.D	05/25/2012	07:15

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

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
SDG No.: _____
Lab File ID: V1027.D DFTPP Injection Date: 05/25/2012
Instrument ID: HP5973V DFTPP Injection Time: 11:40
Analysis Batch No.: 66043

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	44.5
68	Less than 2.0 % of mass 69	0.6 (1.5) 1
69	Mass 69 relative abundance	38.7
70	Less than 2.0 % of mass 69	0.0 (0.0) 1
127	40.0 - 60.0 % of mass 198	47.2
197	Less than 1.0 % of mass 198	0.7
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	7.1
275	10.0 - 30.0 % of mass 198	20.7
365	Greater than 1.0 % of mass 198	3.0
441	Present but less than mass 443	10.6 (73.5) 1
442	Greater than 40.0 % of mass 198	75.6
443	17.0 - 23.0 % of mass 442	14.4 (19.0) 2

1-Value is % mass 69

2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-66043/2	V1028.D	05/25/2012	12:14
MW8DR DL	480-20186-1 DL	V1035.D	05/25/2012	15:05
DW1R DL	480-20186-2 DL	V1036.D	05/25/2012	15:30
MW3DR DL	480-20186-3 DL	V1037.D	05/25/2012	15:54
MW3DR DUP DL	480-20186-4 DL	V1038.D	05/25/2012	16:18

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

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
 SDG No.: _____
 Sample No.: ICIS 480-65015/4 Date Analyzed: 05/18/2012 16:58
 Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): V0747.D Heated Purge: (Y/N) N
 Calibration ID: 8483

	DCB		NPT		ANT		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	87972	5.93	329592	7.60	226006	9.87	
UPPER LIMIT	175944	6.43	659184	8.10	452012	10.37	
LOWER LIMIT	43986	5.43	164796	7.10	113003	9.37	
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-65945/2		108946	5.89	420380	7.56	295961	9.83
CCVIS 480-66043/2		108721	5.89	417338	7.56	293457	9.84

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

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
SDG No.: _____
Sample No.: ICIS 480-65015/4 Date Analyzed: 05/18/2012 16:58
Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm)
Lab File ID (Standard): V0747.D Heated Purge: (Y/N) N
Calibration ID: 8483

	PHN		CRY		PRY	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	365683	11.57	336400	14.07	336011	15.41
UPPER LIMIT	731366	12.07	672800	14.57	672022	15.91
LOWER LIMIT	182842	11.07	168200	13.57	168006	14.91
LAB SAMPLE ID	CLIENT SAMPLE ID					
CCVIS 480-65945/2		497077	11.54	574035	14.03	364710 15.36
CCVIS 480-66043/2		496648	11.55	492983	14.05	519817 15.40

PHN = Phenanthrene-d10

CRY = Chrysene-d12

PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
 SDG No.: _____
 Sample No.: CCVIS 480-65945/2 Date Analyzed: 05/24/2012 22:25
 Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): V0992.D Heated Purge: (Y/N) N
 Calibration ID: 8483

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		108946	5.89	420380	7.56	295961	9.83
UPPER LIMIT		217892	6.39	840760	8.06	591922	10.33
LOWER LIMIT		54473	5.39	210190	7.06	147981	9.33
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 480-65066/1-A		100022	5.89	393416	7.56	274089	9.83
LCS 480-65066/2-A		97721	5.89	379541	7.56	270772	9.84
LCSD 480-65066/3-A		87268	5.89	349161	7.56	243024	9.83
480-20186-1	MW8DR	67840	5.89	270286	7.60	183827	9.83
480-20186-2	DW1R	69278	5.89	282962	7.60	195574	9.83
480-20186-3	MW3DR	72809	5.89	275007	7.56	193560	9.82
480-20186-4	MW3DR DUP	72852	5.89	276124	7.56	184934	9.82
480-20186-5	EB1	73114	5.89	285075	7.55	199863	9.82

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
 SDG No.: _____
 Sample No.: CCVIS 480-65945/2 Date Analyzed: 05/24/2012 22:25
 Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): V0992.D Heated Purge: (Y/N) N
 Calibration ID: 8483

	PHN		CRY		PRY	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	497077	11.54	574035	14.03	364710	15.36
UPPER LIMIT	994154	12.04	1148070	14.53	729420	15.86
LOWER LIMIT	248539	11.04	287018	13.53	182355	14.86
LAB SAMPLE ID	CLIENT SAMPLE ID					
MB 480-65066/1-A		433631	11.53	500257	14.03	294162 15.36
LCS 480-65066/2-A		443657	11.55	521359	14.04	329730 15.36
LCSD 480-65066/3-A		397977	11.54	462052	14.03	275144 15.36
480-20186-1	MW8DR	289720	11.53	354235	14.02	212213 15.36
480-20186-2	DW1R	314673	11.53	390994	14.03	227220 15.36
480-20186-3	MW3DR	328006	11.53	384607	14.03	228662 15.36
480-20186-4	MW3DR DUP	320138	11.53	372141	14.03	213891 15.36
480-20186-5	EB1	324014	11.53	368649	14.02	211354 15.36

PHN = Phenanthrene-d10

CRY = Chrysene-d12

PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
 SDG No.: _____
 Sample No.: CCVIS 480-66043/2 Date Analyzed: 05/25/2012 12:14
 Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): V1028.D Heated Purge: (Y/N) N
 Calibration ID: 8483

	DCB		NPT		ANT	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	108721	5.89	417338	7.56	293457	9.84
UPPER LIMIT	217442	6.39	834676	8.06	586914	10.34
LOWER LIMIT	54361	5.39	208669	7.06	146729	9.34
LAB SAMPLE ID	CLIENT SAMPLE ID					
480-20186-1 DL	MW8DR DL	100182	5.89	394630	7.56	279075 9.83
480-20186-2 DL	DW1R DL	97443	5.89	385471	7.56	273205 9.83
480-20186-3 DL	MW3DR DL	98093	5.89	377273	7.56	259204 9.83
480-20186-4 DL	MW3DR DUP DL	95472	5.88	368560	7.56	261132 9.83

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
SDG No.: _____
Sample No.: CCVIS 480-66043/2 Date Analyzed: 05/25/2012 12:14
Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm)
Lab File ID (Standard): V1028.D Heated Purge: (Y/N) N
Calibration ID: 8483

	PHN		CRY		PRY	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	496648	11.55	492983	14.05	519817	15.40
UPPER LIMIT	993296	12.05	985966	14.55	1039634	15.90
LOWER LIMIT	248324	11.05	246492	13.55	259909	14.90
LAB SAMPLE ID	CLIENT SAMPLE ID					
480-20186-1 DL	MW8DR DL	432932	11.55	478515	14.04	428456 15.39
480-20186-2 DL	DW1R DL	435049	11.55	472020	14.04	412927 15.39
480-20186-3 DL	MW3DR DL	435240	11.55	474088	14.04	420626 15.39
480-20186-4 DL	MW3DR DUP DL	420688	11.55	465828	14.04	417855 15.39

PHN = Phenanthrene-d10

CRY = Chrysene-d12

PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
 SDG No.: _____
 Client Sample ID: MW8DR Lab Sample ID: 480-20186-1
 Matrix: Water Lab File ID: V1010.D
 Analysis Method: 8270C Date Collected: 05/15/2012 15:10
 Extract. Method: 3510C Date Extracted: 05/18/2012 13:56
 Sample wt/vol: 1060 (mL) Date Analyzed: 05/25/2012 05:39
 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.: 65945 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	80		4.7	0.39
208-96-8	Acenaphthylene	2.4	J	4.7	0.36
120-12-7	Anthracene	3.3	J	4.7	0.26
56-55-3	Benz (a) anthracene	ND		4.7	0.34
50-32-8	Benzo (a) pyrene	ND	*	4.7	0.44
205-99-2	Benzo (b) fluoranthene	ND	*	4.7	0.32
191-24-2	Benzo (g, h, i) perylene	ND		4.7	0.33
207-08-9	Benzo (k) fluoranthene	ND	*	4.7	0.69
218-01-9	Chrysene	ND		4.7	0.31
53-70-3	Dibenz (a, h) anthracene	ND		4.7	0.40
206-44-0	Fluoranthene	0.87	J	4.7	0.38
86-73-7	Fluorene	23		4.7	0.34
193-39-5	Indeno (1, 2, 3-c, d) pyrene	ND		4.7	0.44
91-20-3	Naphthalene	2700	E	4.7	0.72
85-01-8	Phenanthrene	20		4.7	0.42
129-00-0	Pyrene	0.88	J	4.7	0.32
91-57-6	2-Methylnaphthalene	330	E	4.7	0.57

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	84		46-120
321-60-8	2-Fluorobiphenyl	85		48-120
1718-51-0	p-Terphenyl-d14	31	X	67-150

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20120524-12193.b\V1010.D
 Lims ID: 480-20186-A-1-A Client ID: MW8DR
 Inject. Date: 25-May-2012 05:39:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-0012193-020
 Misc. Info.: 480-20186-A-1-A
 Operator: HL Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 57
 Lims Batch ID: 65945 Lims Sample ID: 20
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20120524-12193.b\V-8270.m
 Last Update: 29-May-2012 10:54:58 Calib Date: 18-May-2012 18:10:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0750.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: lyh

Date: 29-May-2012 10:59:29

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.887	5.887	0.0	94	67840	40.0	
* 2 Naphthalene-d8	136	7.597	7.559	0.038	45	270286	40.0	
* 3 Acenaphthene-d10	164	9.825	9.824	0.001	86	183827	40.0	
* 4 Phenanthrene-d10	188	11.534	11.534	0.0	96	289720	40.0	
* 5 Chrysene-d12	240	14.024	14.023	0.001	98	354235	40.0	
* 6 Perylene-d12	264	15.359	15.359	0.0	98	212213	40.0	
\$ 11 Nitrobenzene-d5	82	6.625	6.624	0.001	92	217763	84.4	
\$ 12 2-Fluorobiphenyl	172	8.970	8.970	0.0	100	454319	85.3	
\$ 14 p-Terphenyl-d14	244	13.083	13.083	0.0	97	226382	31.2	
121 Naphthalene	128	7.640	7.586	0.054	94	19930435	2900.7	E
133 2-Methylnaphthalene	142	8.500	8.500	0.011	91	1662824	348.9	E
149 Acenaphthylene	152	9.643	9.648	-0.005	76	18785	2.59	
151 Acenaphthene	153	9.873	9.872	0.001	92	377669	84.7	
161 Fluorene	166	10.498	10.503	-0.005	85	138443	24.4	
185 Phenanthrene	178	11.561	11.566	-0.005	92	170658	21.7	
188 Anthracene	178	11.614	11.619	-0.005	92	28410	3.55	
197 Fluoranthene	202	12.736	12.736	0.0	40	8025	0.9191	
199 Pyrene	202	12.944	12.950	-0.006	65	10585	0.9300	
209 Benzo[a]anthracene	228	14.024	14.024	0.006	1	2274	0.2239	
211 Chrysene	228		14.055					
213 Benzo[b]fluoranthene	252		14.985					
214 Benzo[k]fluoranthene	252		15.012					
217 Benzo[a]pyrene	252		15.311					
219 Indeno[1,2,3-cd]pyrene	276		16.561					
220 Dibenz(a,h)anthracene	278		16.566					
221 Benzo[g,h,i]perylene	276		16.903					

QC Flag Legend

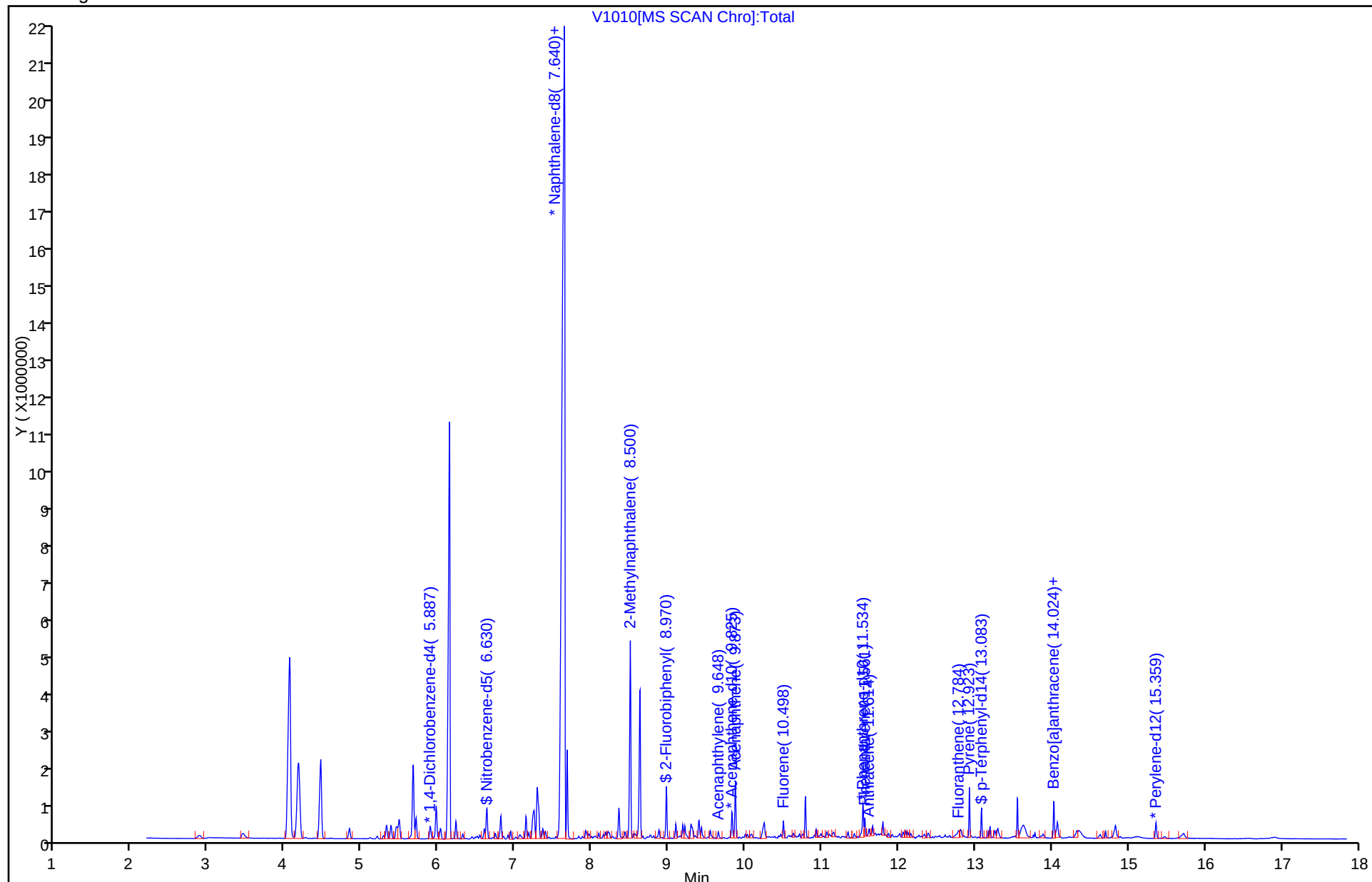
Processing Flags

E - Exceeded Maximum Amount

Report Date: 29-May-2012 10:59:30
Data File: \\Bufchrom\ChromData\HP5973V\20120524-12193.b\V1010.D
Injection Date: 25-May-2012 05:39:30
Client ID: MW8DR
Lims Batch ID: 65945
Operator ID: HL
Column Type: RXI-5Sil MS

Chrom Revision: 2.0 20-Feb-2012 13:27:02
Limit Group: MB - 8270C ICAL
Instrument ID: HP5973V
Lims Sample ID: 20
Injection Vol: 1.00 ul
Column Dia: 0.25 mm

Y Scaling:



Report Date: 29-May-2012 10:59:30

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120524-12193.b\V1010.D

Injection Date: 25-May-2012 05:39:30

Limit Group: MB - 8270C ICAL

Client ID: MW8DR

Instrument ID: HP5973V

Lims Batch ID: 65945

Lims Sample ID: 20

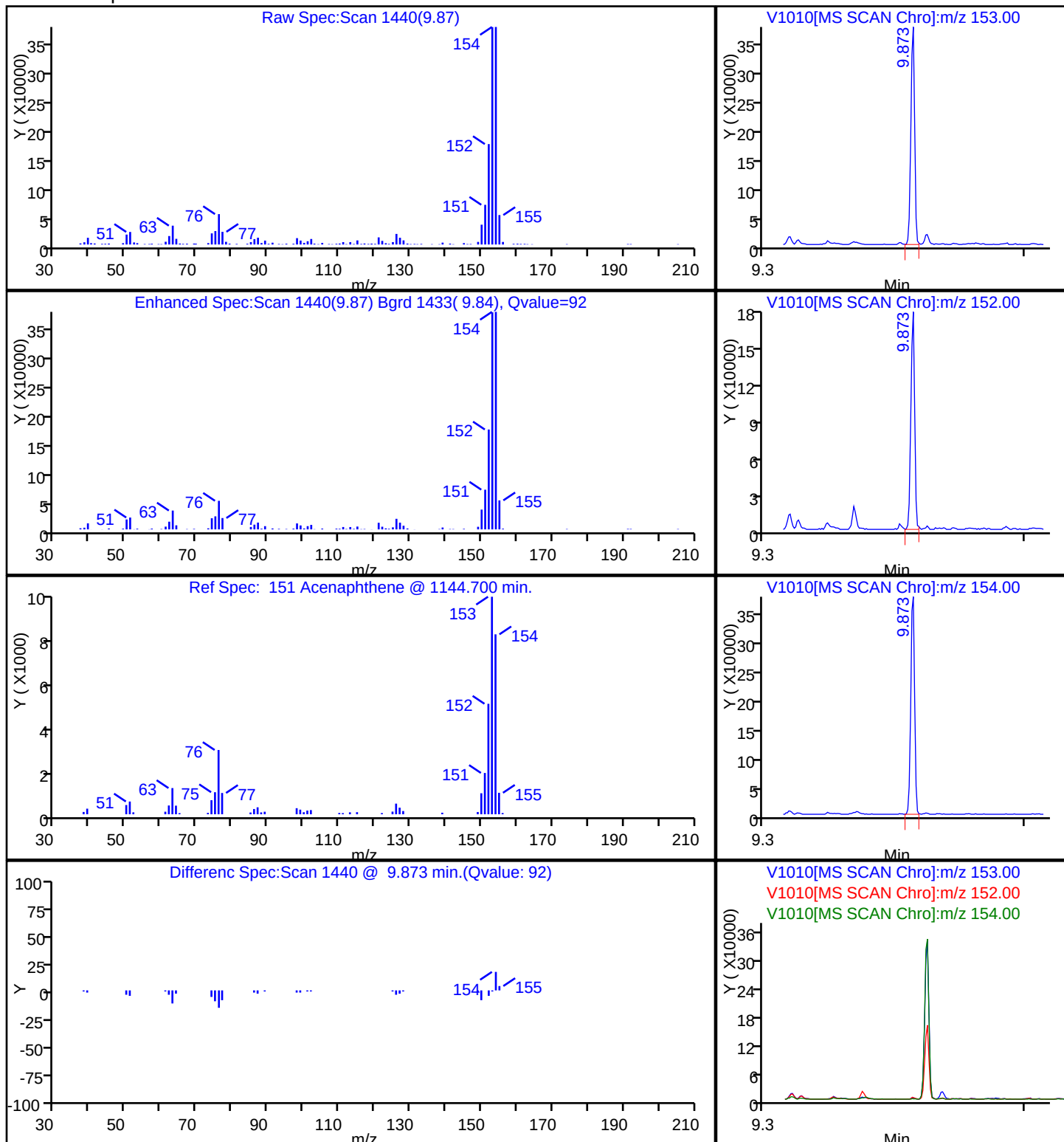
Operator ID: HL

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

151 Acenaphthene



Report Date: 29-May-2012 10:59:30

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120524-12193.b\V1010.D

Injection Date: 25-May-2012 05:39:30

Limit Group: MB - 8270C ICAL

Client ID: MW8DR

Instrument ID: HP5973V

Lims Batch ID: 65945

Lims Sample ID: 20

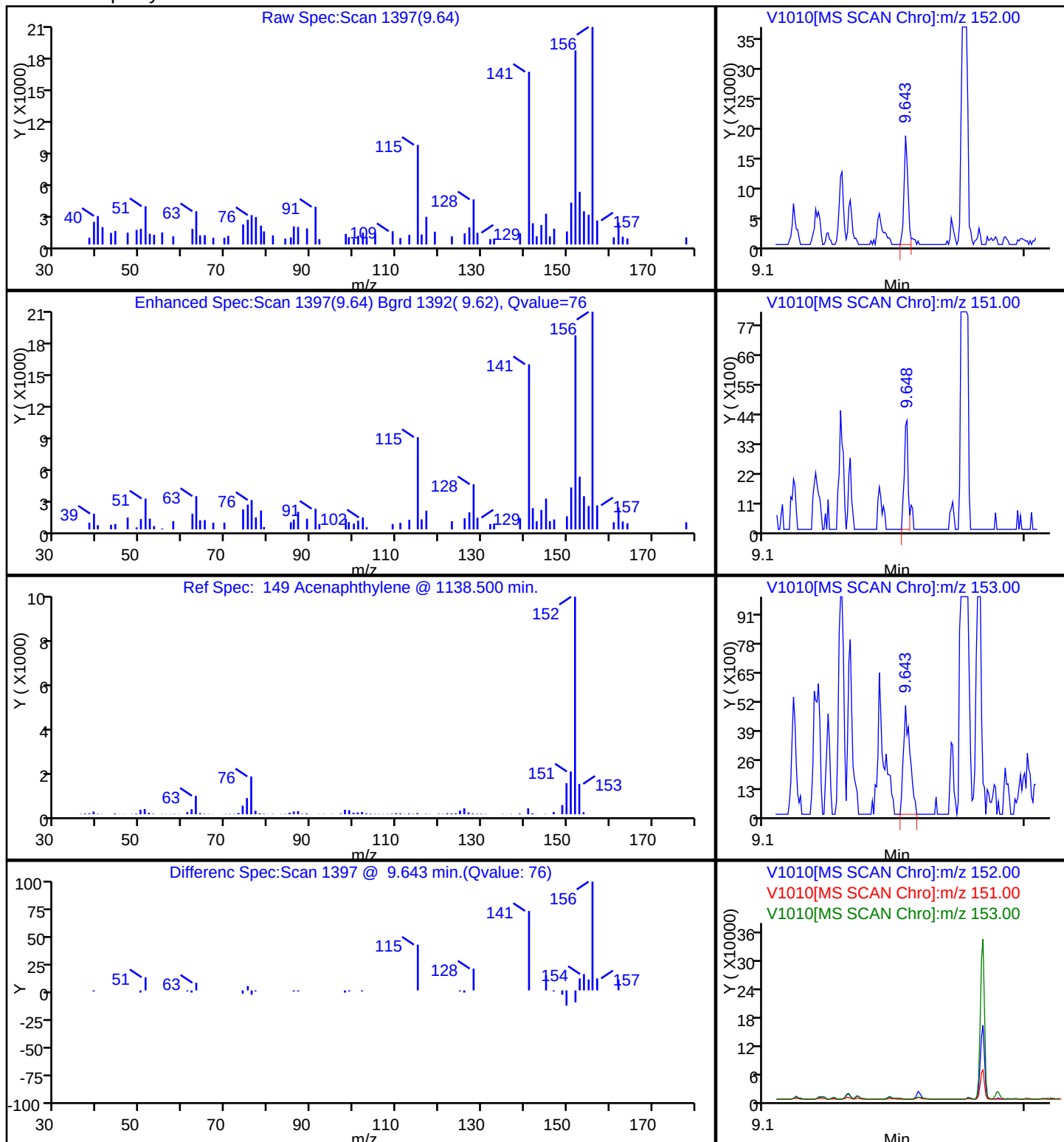
Operator ID: HL

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

149 Acenaphthylene



Report Date: 29-May-2012 10:59:30

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973V\20120524-12193.b\V1010.D

Injection Date: 25-May-2012 05:39:30

Limit Group: MB - 8270C ICAL

Client ID: MW8DR

Instrument ID: HP5973V

Lims Batch ID: 65945

Lims Sample ID: 20

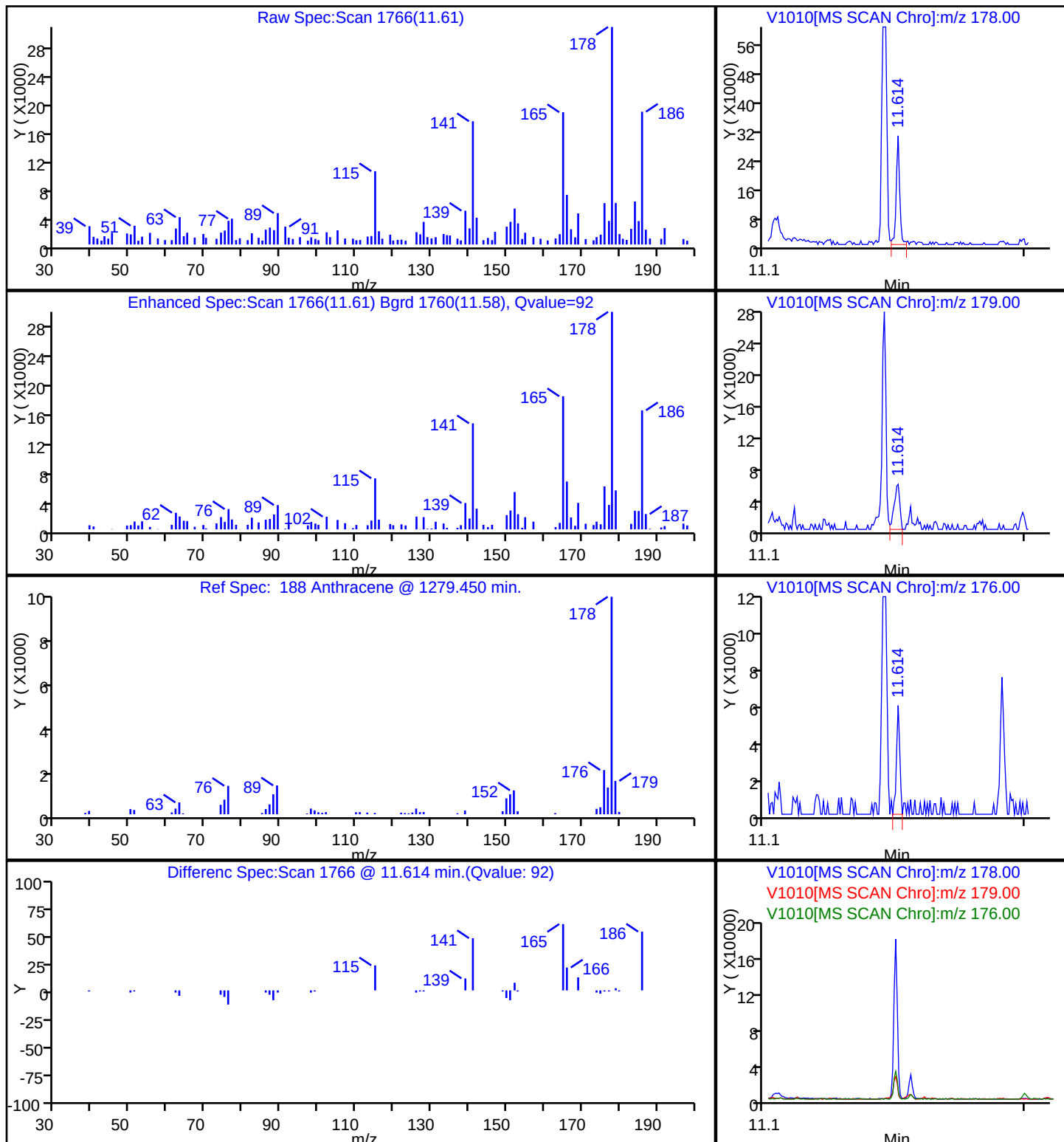
Operator ID: HL

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

188 Anthracene



Report Date: 29-May-2012 10:59:30

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120524-12193.b\V1010.D

Injection Date: 25-May-2012 05:39:30

Limit Group: MB - 8270C ICAL

Client ID: MW8DR

Instrument ID: HP5973V

Lims Batch ID: 65945

Lims Sample ID: 20

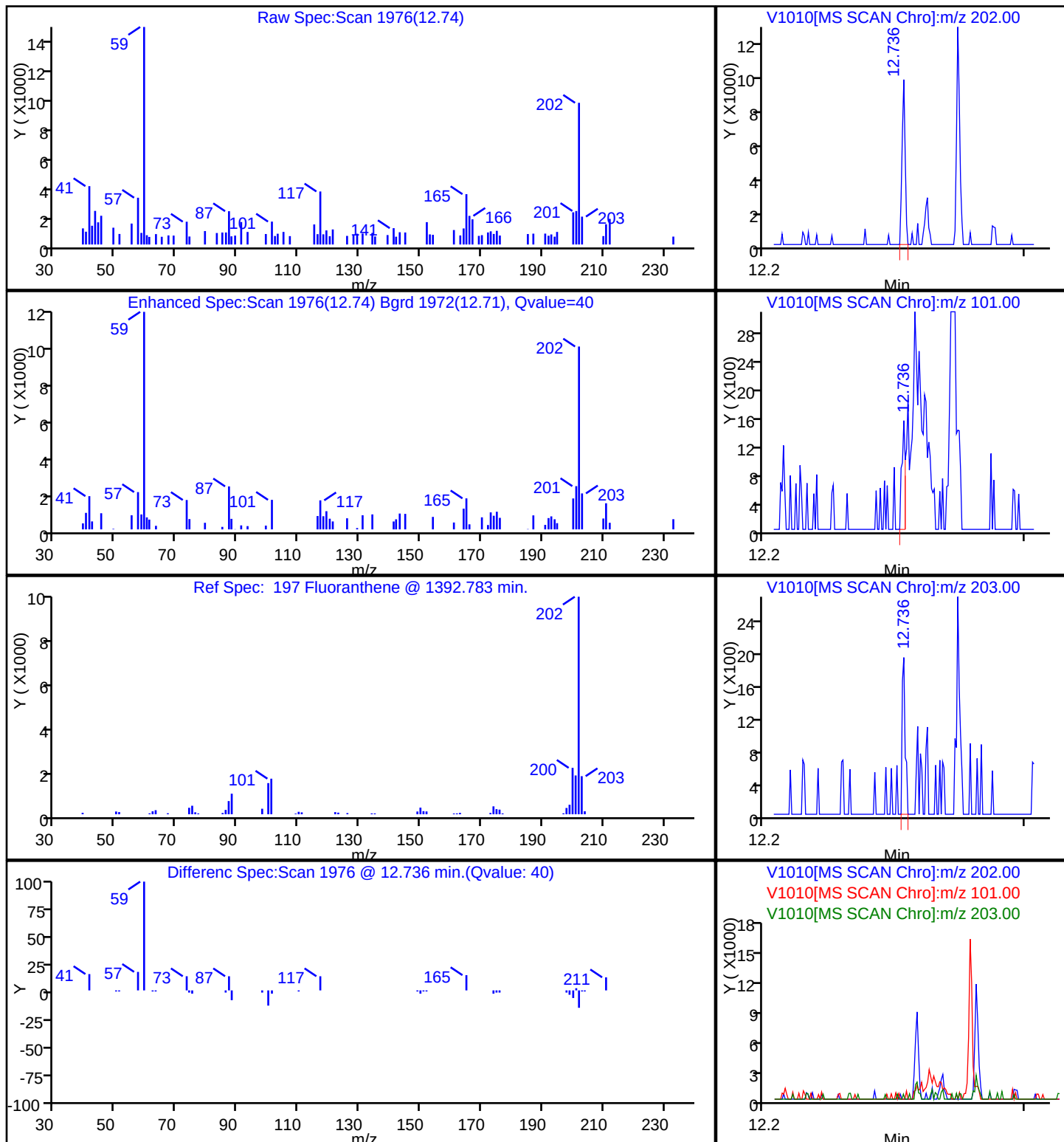
Operator ID: HL

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

197 Fluoranthene



Report Date: 29-May-2012 10:59:30

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120524-12193.b\V1010.D

Injection Date: 25-May-2012 05:39:30

Limit Group: MB - 8270C ICAL

Client ID: MW8DR

Instrument ID: HP5973V

Lims Batch ID: 65945

Lims Sample ID: 20

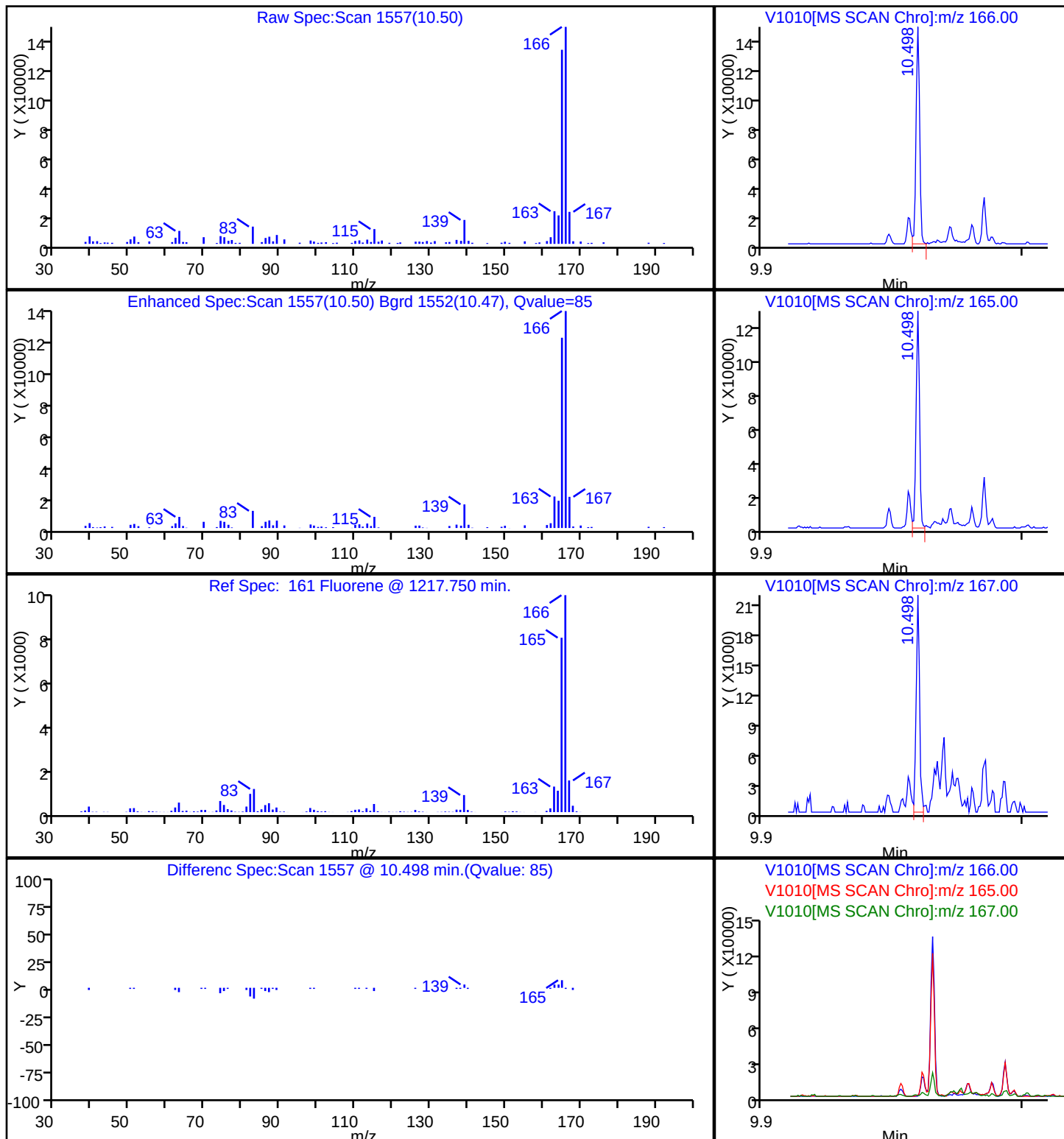
Operator ID: HL

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

161 Fluorene



Report Date: 29-May-2012 10:59:30

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973V\20120524-12193.b\1010.D

Injection Date: 25-May-2012 05:39:30

Limit Group: MB - 8270C ICAL

Client ID: MW8DR

Instrument ID: HP5973V

Lims Batch ID: 65945

Lims Sample ID: 20

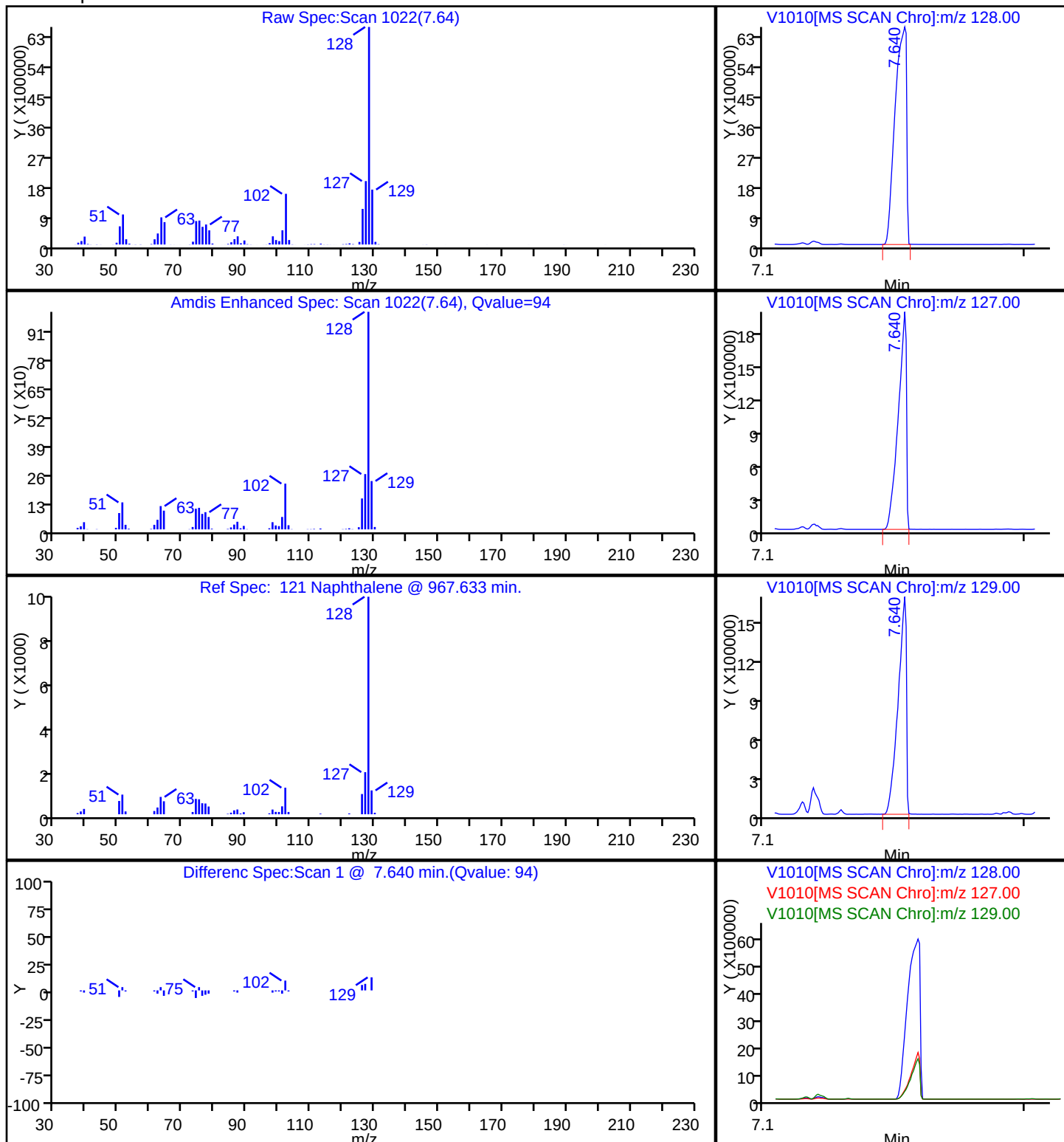
Operator ID: HL

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

121 Naphthalene



Report Date: 29-May-2012 10:59:30

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973V\20120524-12193.b\V1010.D

Injection Date: 25-May-2012 05:39:30

Limit Group: MB - 8270C ICAL

Client ID: MW8DR

Instrument ID: HP5973V

Lims Batch ID: 65945

Lims Sample ID: 20

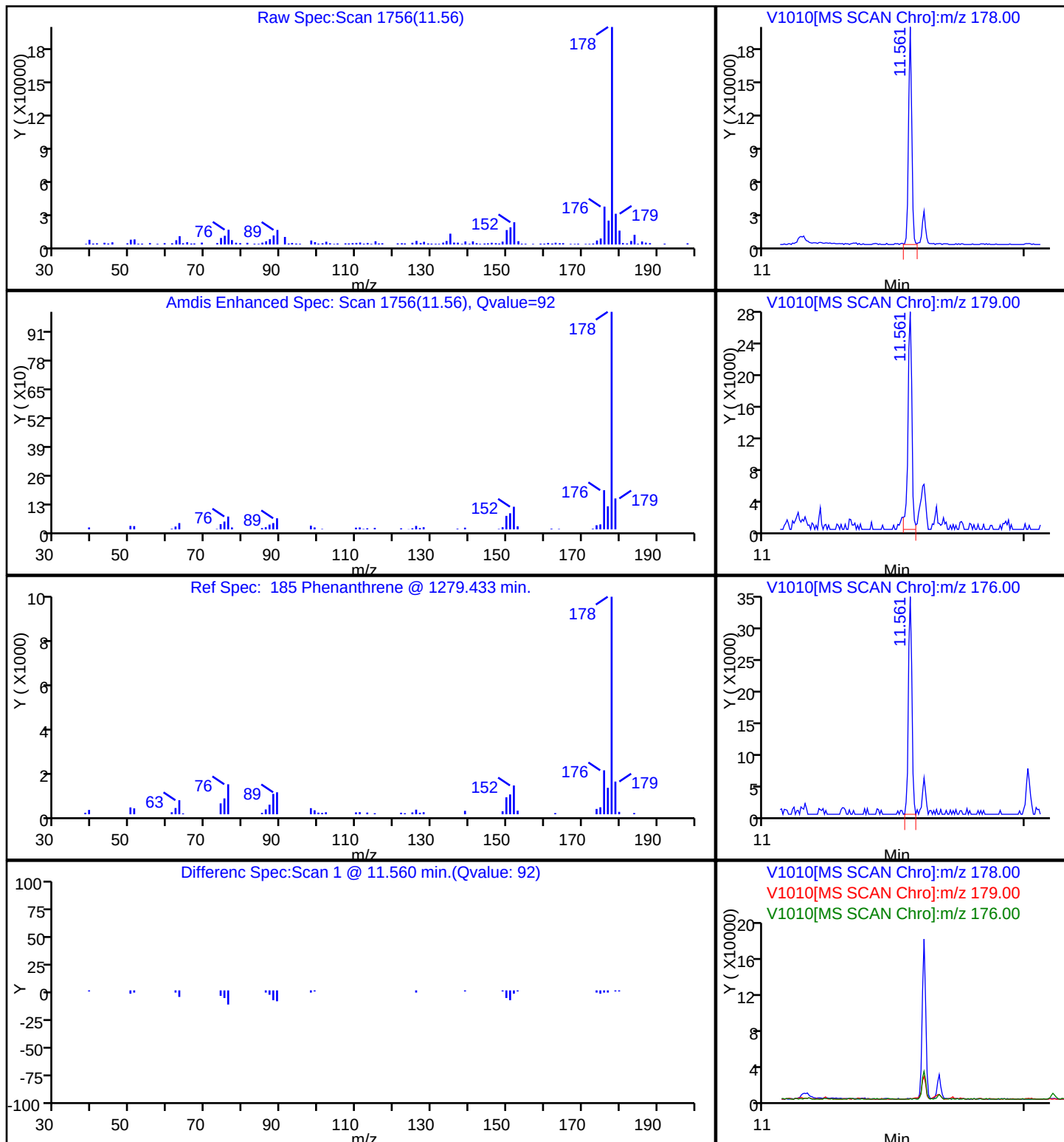
Operator ID: HL

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

185 Phenanthrene



Report Date: 29-May-2012 10:59:30

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973V\20120524-12193.b\V1010.D

Injection Date: 25-May-2012 05:39:30

Limit Group: MB - 8270C ICAL

Client ID: MW8DR

Instrument ID: HP5973V

Lims Batch ID: 65945

Lims Sample ID: 20

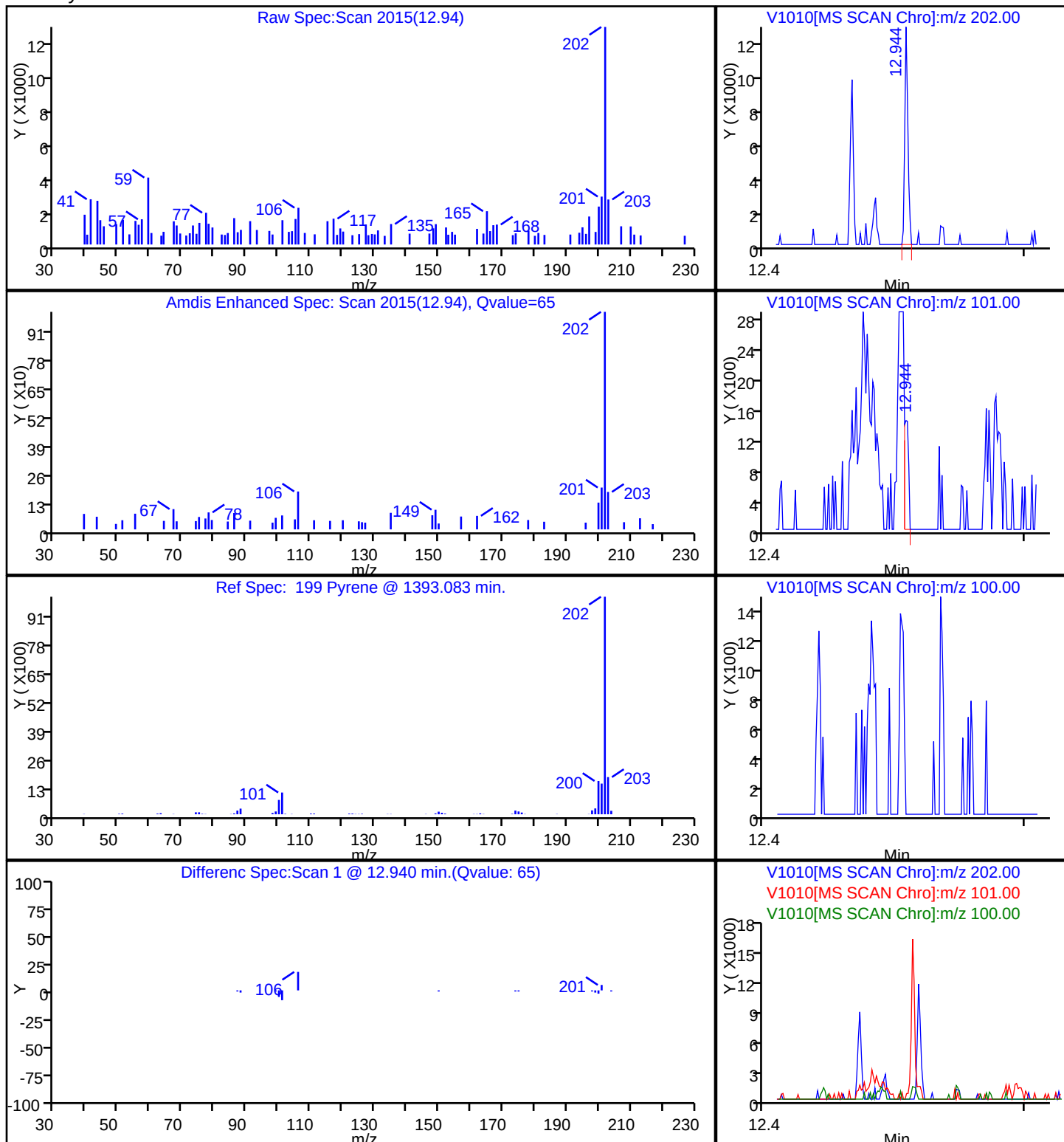
Operator ID: HL

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

199 Pyrene



Report Date: 29-May-2012 10:59:30

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973V\20120524-12193.b\V1010.D

Injection Date: 25-May-2012 05:39:30

Limit Group: MB - 8270C ICAL

Client ID: MW8DR

Instrument ID: HP5973V

Lims Batch ID: 65945

Lims Sample ID: 20

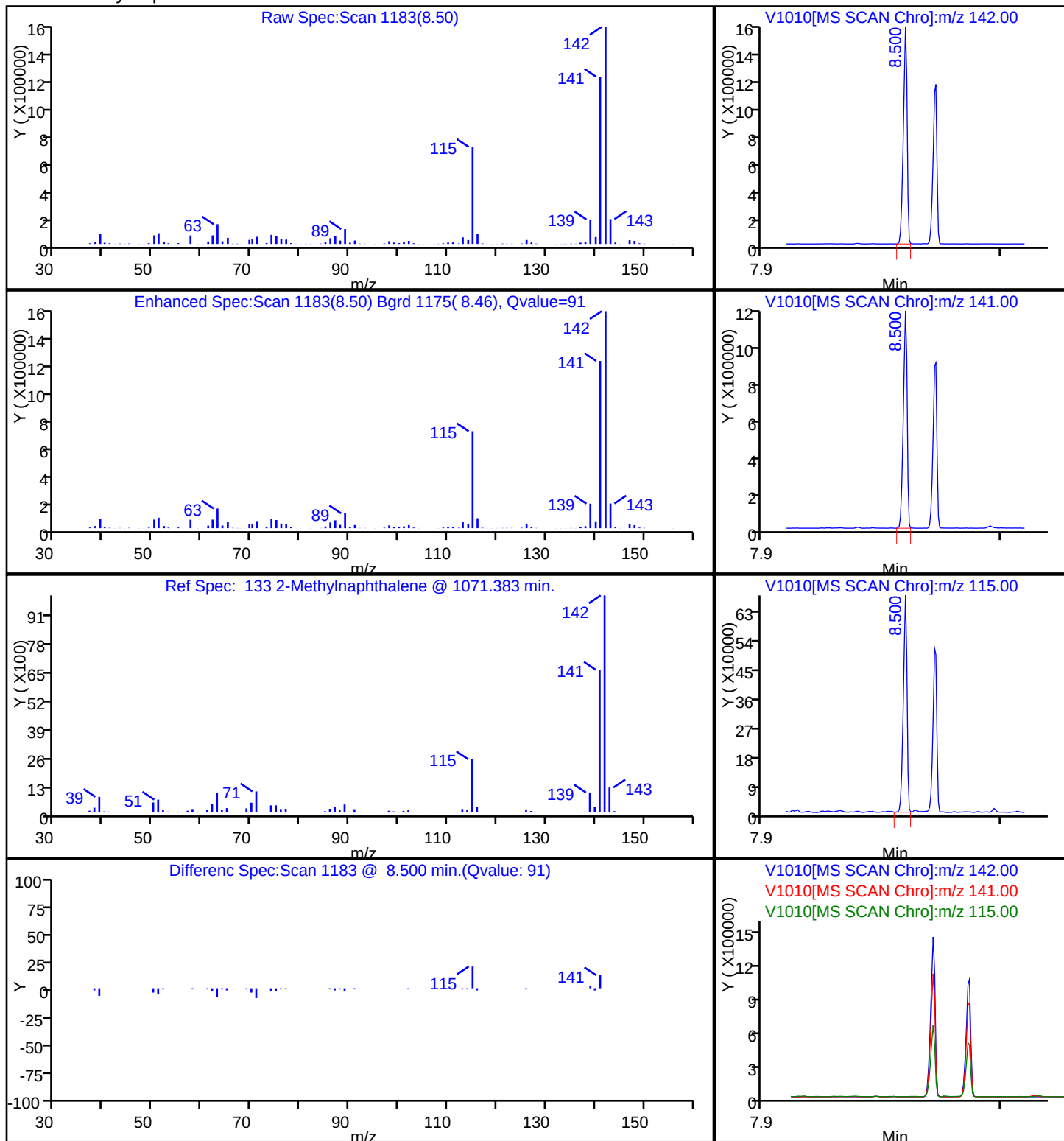
Operator ID: HL

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

133 2-Methylnaphthalene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1

SDG No.: _____

Client Sample ID: MW8DR DL Lab Sample ID: 480-20186-1 DL

Matrix: Water Lab File ID: V1035.D

Analysis Method: 8270C Date Collected: 05/15/2012 15:10

Extract. Method: 3510C Date Extracted: 05/18/2012 13:56

Sample wt/vol: 1060 (mL) Date Analyzed: 05/25/2012 15:05

Con. Extract Vol.: 1 (mL) Dilution Factor: 100

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

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 66043 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	82	J	470	39
208-96-8	Acenaphthylene	ND		470	36
120-12-7	Anthracene	ND		470	26
56-55-3	Benz(a)anthracene	ND		470	34
50-32-8	Benzo(a)pyrene	ND	*	470	44
205-99-2	Benzo(b)fluoranthene	ND	*	470	32
191-24-2	Benzo(g,h,i)perylene	ND		470	33
207-08-9	Benzo(k)fluoranthene	ND	*	470	69
218-01-9	Chrysene	ND		470	31
53-70-3	Dibenz(a,h)anthracene	ND		470	40
206-44-0	Fluoranthene	ND		470	38
86-73-7	Fluorene	ND		470	34
193-39-5	Indeno(1,2,3-c,d)pyrene	ND		470	44
91-20-3	Naphthalene	3900		470	72
85-01-8	Phenanthrene	ND		470	42
129-00-0	Pyrene	ND		470	32
91-57-6	2-Methylnaphthalene	350	J	470	57

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	47		46-120
321-60-8	2-Fluorobiphenyl	74		48-120
1718-51-0	p-Terphenyl-d14	0	X	67-150

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20120525-12217.b\V1035.D
 Lims ID: 480-20186-A-1-A Client ID: MW8DR
 Inject. Date: 25-May-2012 15:05:30 Dil. Factor: 100.0000
 Sample Type: Client
 Sample ID: 480-0012217-009
 Misc. Info.: DMC
 Operator: ANM Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 10
 Lims Batch ID: 66043 Lims Sample ID: 9
 Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973V\20120525-12217.b\V-8270.m
 Last Update: 30-May-2012 09:14:28 Calib Date: 18-May-2012 18:10:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0750.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: lyh

Date: 30-May-2012 09:14:28

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.887	5.887	0.0	96	100182	40.0	
* 2 Naphthalene-d8	136	7.559	7.559	0.0	99	394630	40.0	
* 3 Acenaphthene-d10	164	9.830	9.830	0.0	85	279075	40.0	
* 4 Phenanthrene-d10	188	11.545	11.545	0.0	96	432932	40.0	
* 5 Chrysene-d12	240	14.039	14.045	-0.006	97	478515	40.0	
* 6 Perylene-d12	264	15.386	15.391	-0.005	99	428456	40.0	
\$ 11 Nitrobenzene-d5	82	6.646	6.624	0.022	1	1788	0.4748	
\$ 12 2-Fluorobiphenyl	172	8.986	8.975	0.011	1	5992	0.7410	
\$ 14 p-Terphenyl-d14	244		13.099					
121 Naphthalene	128	7.586	7.591	-0.005	95	416585	41.5	M
133 2-Methylnaphthalene	142	8.494	8.494	0.0	70	25477	3.66	
149 Acenaphthylene	152		9.653					
151 Acenaphthene	153	9.872	9.878	-0.006	31	5872	0.8670	
161 Fluorene	166	10.524	10.508	0.016	1	1403	0.1631	
185 Phenanthrene	178	11.571	11.577	-0.006	1	1382	0.1174	
188 Anthracene	178		11.630					
197 Fluoranthene	202		12.752					
199 Pyrene	202		12.966					
209 Benzo[a]anthracene	228		14.039					
211 Chrysene	228		14.071					
213 Benzo[b]fluoranthene	252		15.012					
214 Benzo[k]fluoranthene	252		15.038					
217 Benzo[a]pyrene	252		15.343					
219 Indeno[1,2,3-cd]pyrene	276		16.614					
220 Dibenz(a,h)anthracene	278		16.620					
221 Benzo[g,h,i]perylene	276		16.962					

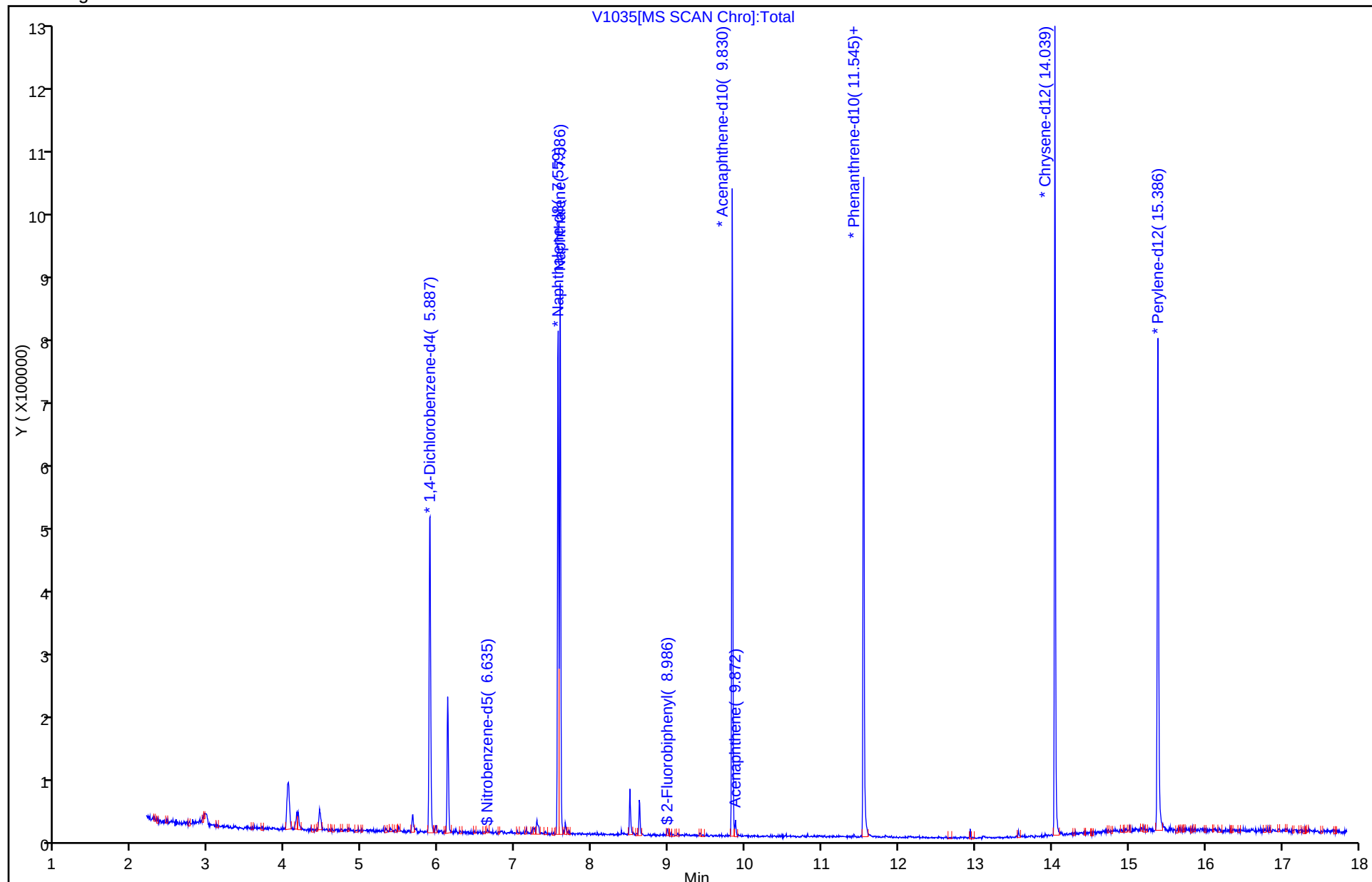
QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 30-May-2012 09:14:29
Data File: \\Bufchrom\ChromData\HP5973V\20120525-12217.b\V1035.D
Injection Date: 25-May-2012 15:05:30
Client ID: MW8DR
Lims Batch ID: 66043
Operator ID: ANM
Column Type: RXI-5Sil MS
Y Scaling:

Chrom Revision: 2.0 20-Feb-2012 13:27:02
Limit Group: MB - 8270C ICAL
Instrument ID: HP5973V
Lims Sample ID: 9
Injection Vol: 1.00 ul
Column Dia: 0.25 mm



Report Date: 30-May-2012 09:14:29

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120525-12217.b\V1035.D

Injection Date: 25-May-2012 15:05:30

Limit Group: MB - 8270C ICAL

Client ID: MW8DR

Instrument ID: HP5973V

Lims Batch ID: 66043

Lims Sample ID: 9

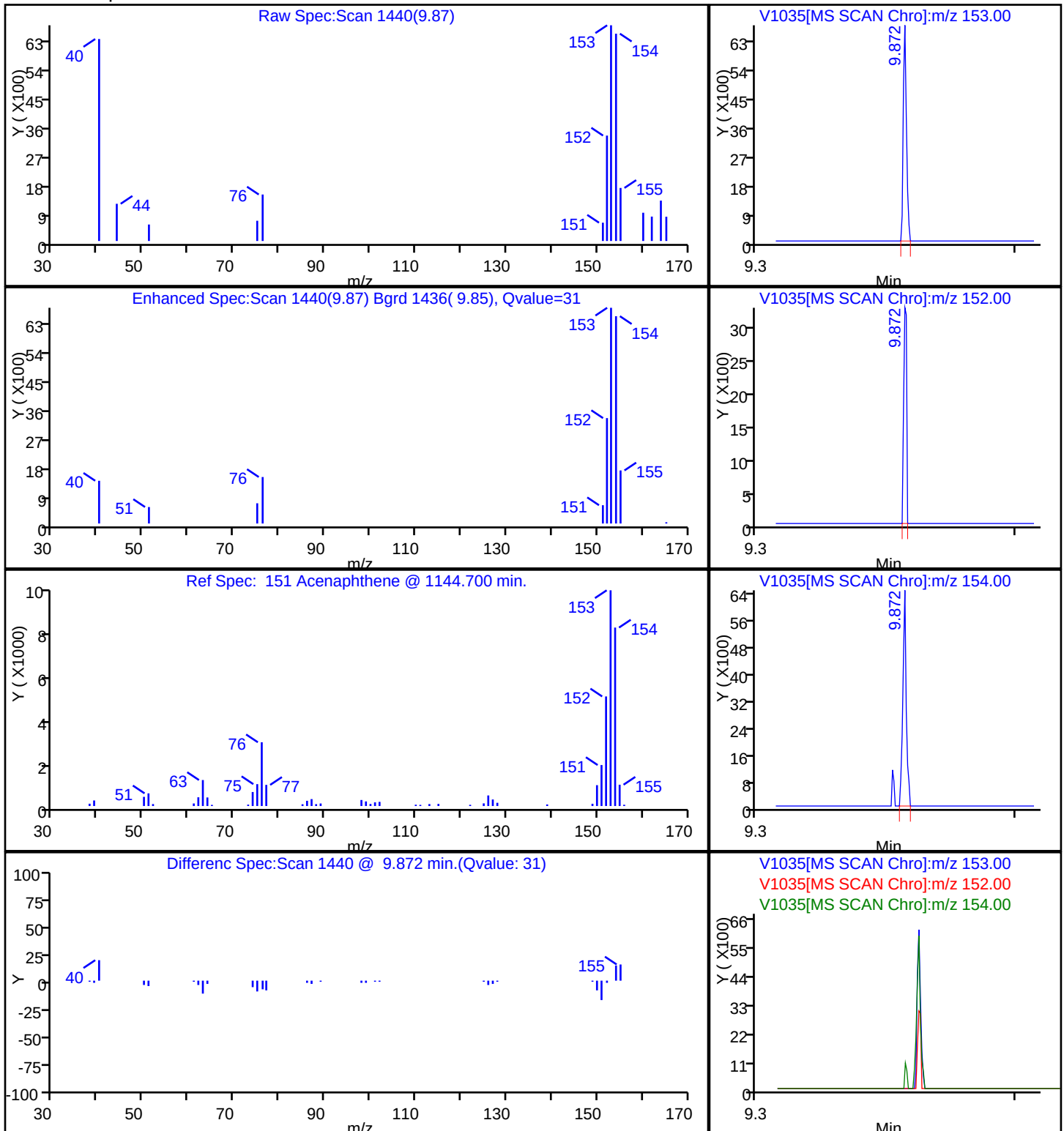
Operator ID: ANM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

151 Acenaphthene



Report Date: 30-May-2012 09:14:29

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120525-12217.b\V1035.D

Injection Date: 25-May-2012 15:05:30

Limit Group: MB - 8270C ICAL

Client ID: MW8DR

Instrument ID: HP5973V

Lims Batch ID: 66043

Lims Sample ID: 9

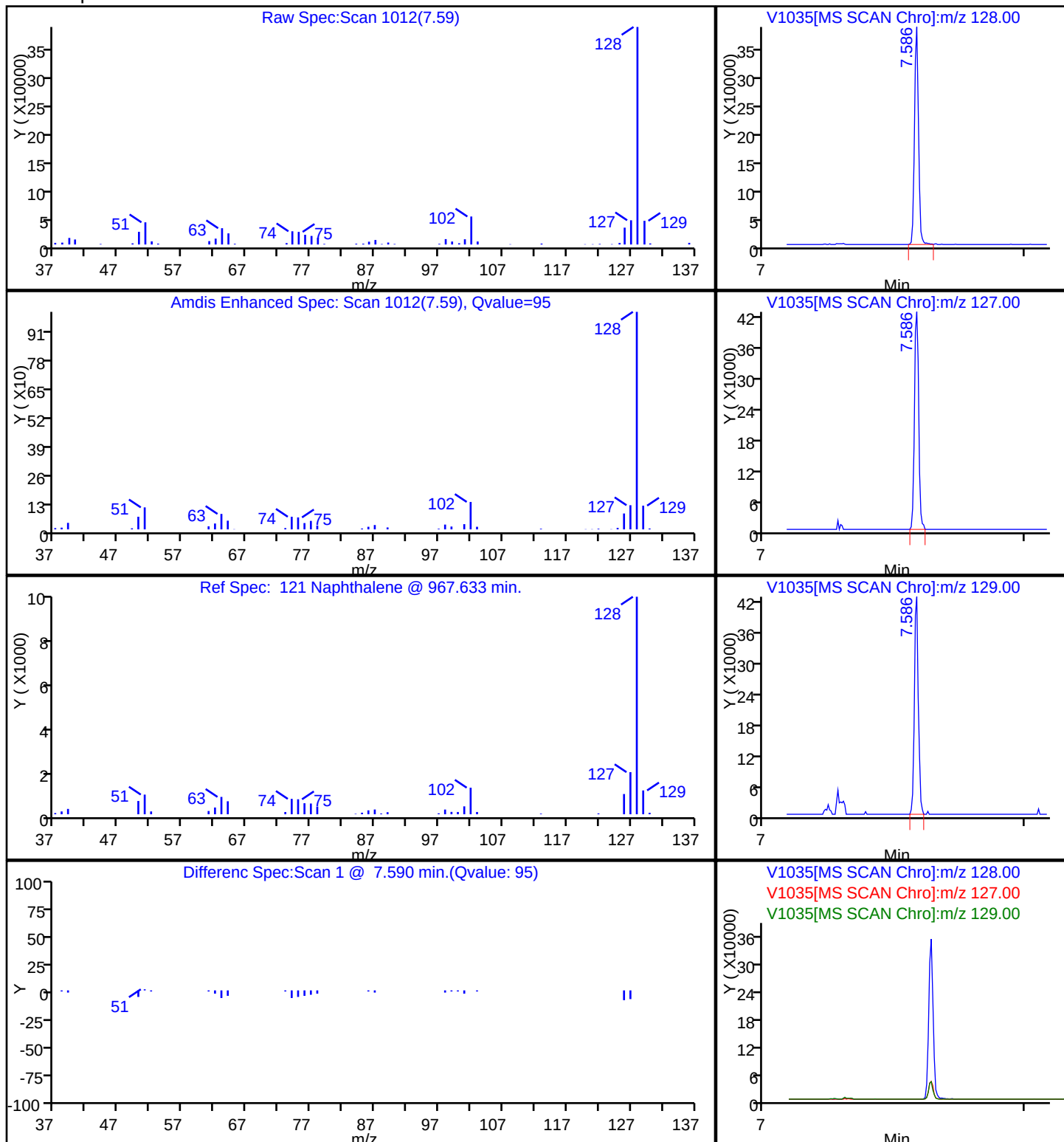
Operator ID: ANM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

121 Naphthalene



Report Date: 30-May-2012 09:14:29

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120525-12217.b\V1035.D

Injection Date: 25-May-2012 15:05:30

Limit Group: MB - 8270C ICAL

Client ID: MW8DR

Instrument ID: HP5973V

Lims Batch ID: 66043

Lims Sample ID: 9

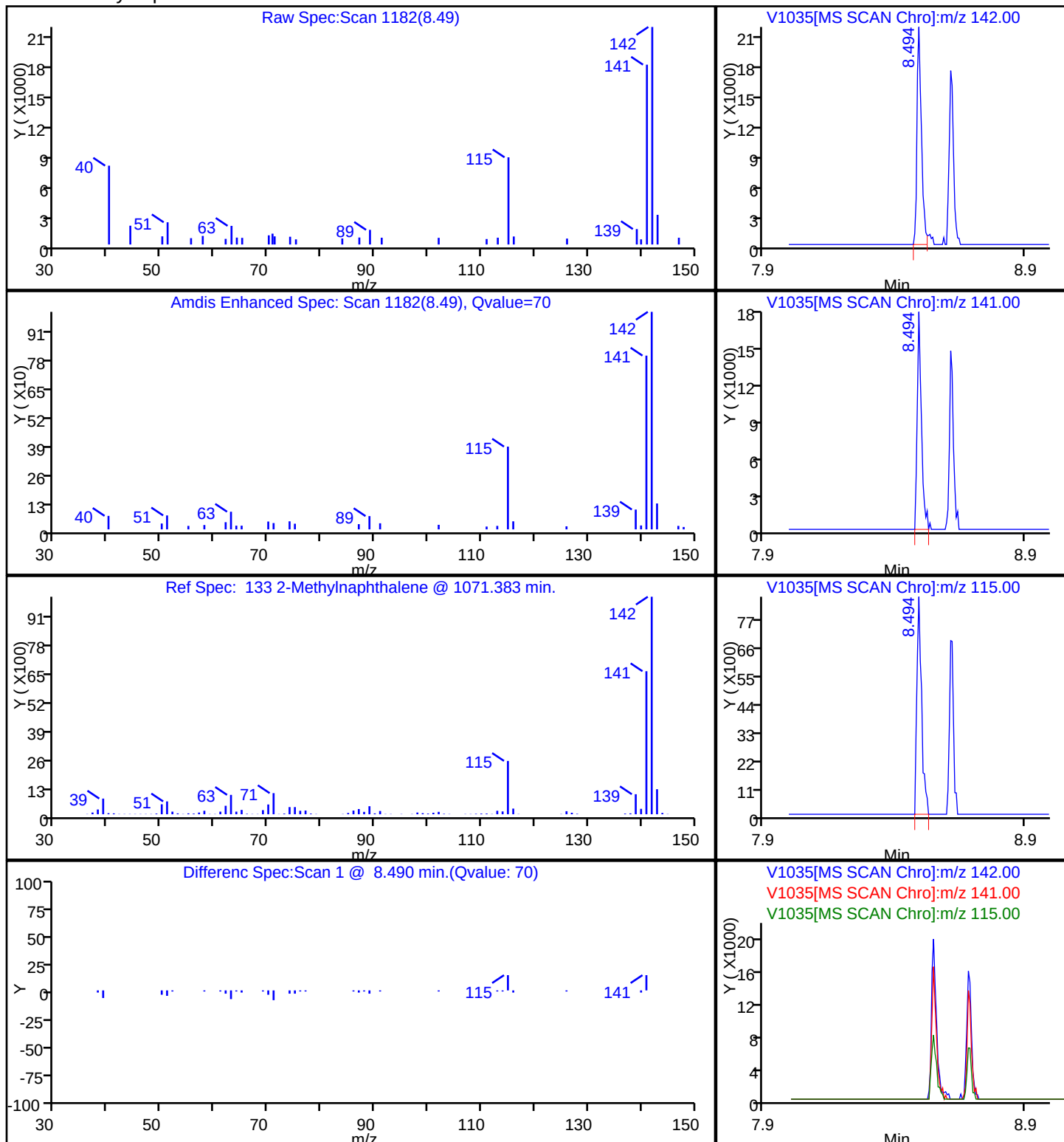
Operator ID: ANM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

133 2-Methylnaphthalene

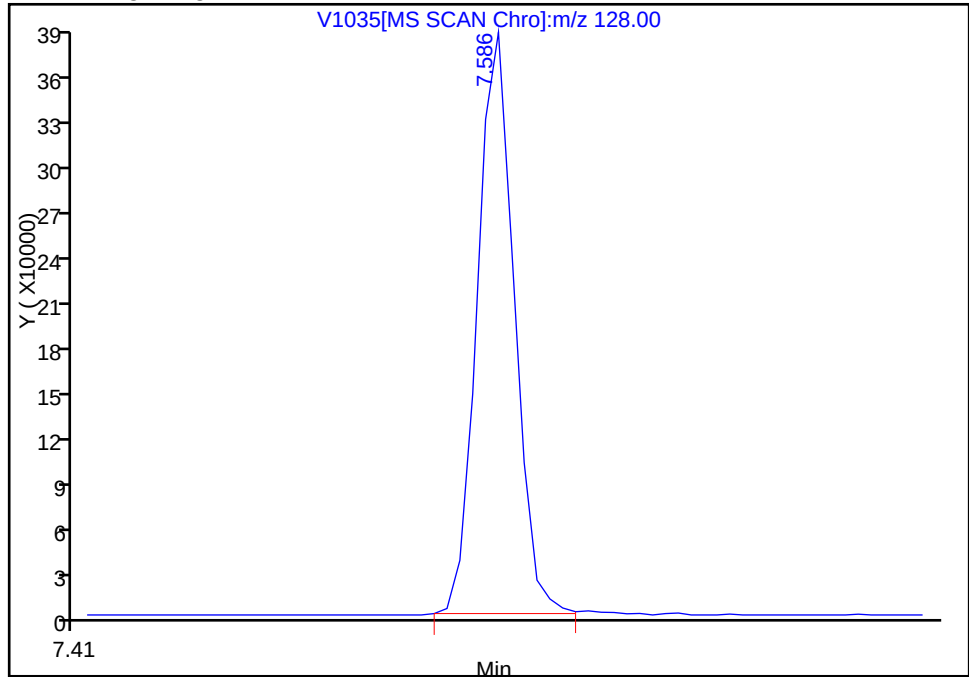


Data File:	\\Bufchrom\ChromData\HP5973V\20120525-12217.b\V1035.D		
Injection Date:	25-May-2012 15:05:30	Limit Group:	MB - 8270C ICAL
Client ID:	MW8DR	Instrument ID:	HP5973V
Lims Batch ID:	66043	Lims Sample ID:	9
Operator ID:	ANM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

121 Naphthalene, Signal: 1, m/z: 128.0 Type: quant, RT: 7.59

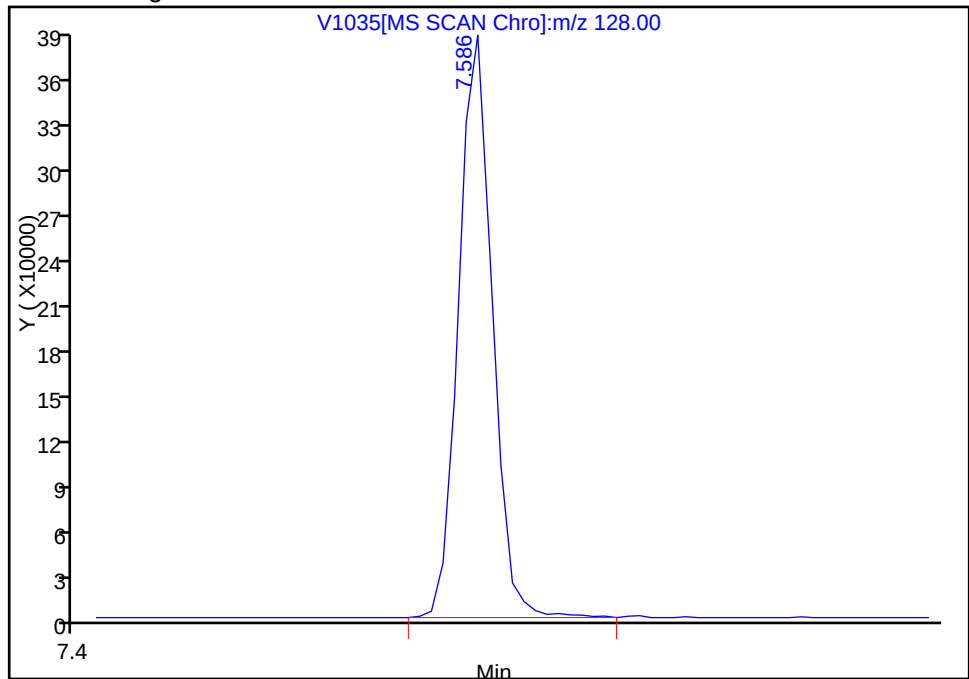
RT: 7.59
Response: 410617
Amount: 40.931094

Processing Integration Results



RT: 7.59
Response: 416585
Amount: 41.525996

Manual Integration Results



Reviewer: mcgoverna, 25-May-2012 15:27:27

Audit Action: Manually Integrated

Audit Reason:

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
 SDG No.: _____
 Client Sample ID: DW1R Lab Sample ID: 480-20186-2
 Matrix: Water Lab File ID: V1011.D
 Analysis Method: 8270C Date Collected: 05/15/2012 11:30
 Extract. Method: 3510C Date Extracted: 05/18/2012 13:56
 Sample wt/vol: 1060 (mL) Date Analyzed: 05/25/2012 06:03
 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.: 65945 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	69		4.7	0.39
208-96-8	Acenaphthylene	3.9	J	4.7	0.36
120-12-7	Anthracene	4.3	J	4.7	0.26
56-55-3	Benz (a) anthracene	ND		4.7	0.34
50-32-8	Benzo (a) pyrene	ND	*	4.7	0.44
205-99-2	Benzo (b) fluoranthene	ND	*	4.7	0.32
191-24-2	Benzo (g, h, i) perylene	ND		4.7	0.33
207-08-9	Benzo (k) fluoranthene	ND	*	4.7	0.69
218-01-9	Chrysene	ND		4.7	0.31
53-70-3	Dibenz (a, h) anthracene	ND		4.7	0.40
206-44-0	Fluoranthene	1.1	J	4.7	0.38
86-73-7	Fluorene	20		4.7	0.34
193-39-5	Indeno (1, 2, 3-c, d) pyrene	ND		4.7	0.44
91-20-3	Naphthalene	2800	E	4.7	0.72
85-01-8	Phenanthrene	23		4.7	0.42
129-00-0	Pyrene	1.2	J	4.7	0.32
91-57-6	2-Methylnaphthalene	310	E	4.7	0.57

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	93		46-120
321-60-8	2-Fluorobiphenyl	88		48-120
1718-51-0	p-Terphenyl-d14	33	X	67-150

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20120524-12193.b\V1011.D
 Lims ID: 480-20186-A-2-A Client ID: DW1R
 Inject. Date: 25-May-2012 06:03:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-0012193-021
 Misc. Info.: 480-20186-A-2-A
 Operator: HL Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 58
 Lims Batch ID: 65945 Lims Sample ID: 21
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20120524-12193.b\V-8270.m
 Last Update: 29-May-2012 10:54:58 Calib Date: 18-May-2012 18:10:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0750.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: lyh

Date: 29-May-2012 10:59:59

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.892	5.887	0.005	96	69278	40.0	
* 2 Naphthalene-d8	136	7.602	7.559	0.043	58	282962	40.0	
* 3 Acenaphthene-d10	164	9.830	9.824	0.006	82	195574	40.0	
* 4 Phenanthrene-d10	188	11.534	11.534	0.0	95	314673	40.0	
* 5 Chrysene-d12	240	14.029	14.023	0.006	98	390994	40.0	
* 6 Perylene-d12	264	15.359	15.359	0.0	98	227220	40.0	
\$ 11 Nitrobenzene-d5	82	6.624	6.624	0.0	91	252487	93.5	
\$ 12 2-Fluorobiphenyl	172	8.970	8.970	0.0	99	496602	87.6	
\$ 14 p-Terphenyl-d14	244	13.083	13.083	0.0	96	267684	33.4	
121 Naphthalene	128	7.645	7.586	0.059	94	21709244	3018.0	E
133 2-Methylnaphthalene	142	8.499	8.489	0.010	87	1662256	333.2	E
149 Acenaphthylene	152	9.643	9.648	-0.005	89	32009	4.14	
151 Acenaphthene	153	9.872	9.872	0.0	91	348096	73.3	
161 Fluorene	166	10.497	10.503	-0.006	93	130403	21.6	
185 Phenanthrene	178	11.561	11.566	-0.005	93	204279	23.9	
188 Anthracene	178	11.614	11.619	-0.005	90	39204	4.51	
197 Fluoranthene	202	12.736	12.736	0.0	77	11415	1.20	
199 Pyrene	202	12.950	12.950	0.0	55	15386	1.22	
209 Benzo[a]anthracene	228	14.023	14.023	0.005	1	2391	0.2132	
211 Chrysene	228	14.045	14.045	-0.010	1	2303	0.2093	
213 Benzo[b]fluoranthene	252		14.985					
214 Benzo[k]fluoranthene	252		15.012					
217 Benzo[a]pyrene	252		15.311					
219 Indeno[1,2,3-cd]pyrene	276		16.561					
220 Dibenz(a,h)anthracene	278		16.566					
221 Benzo[g,h,i]perylene	276		16.903					

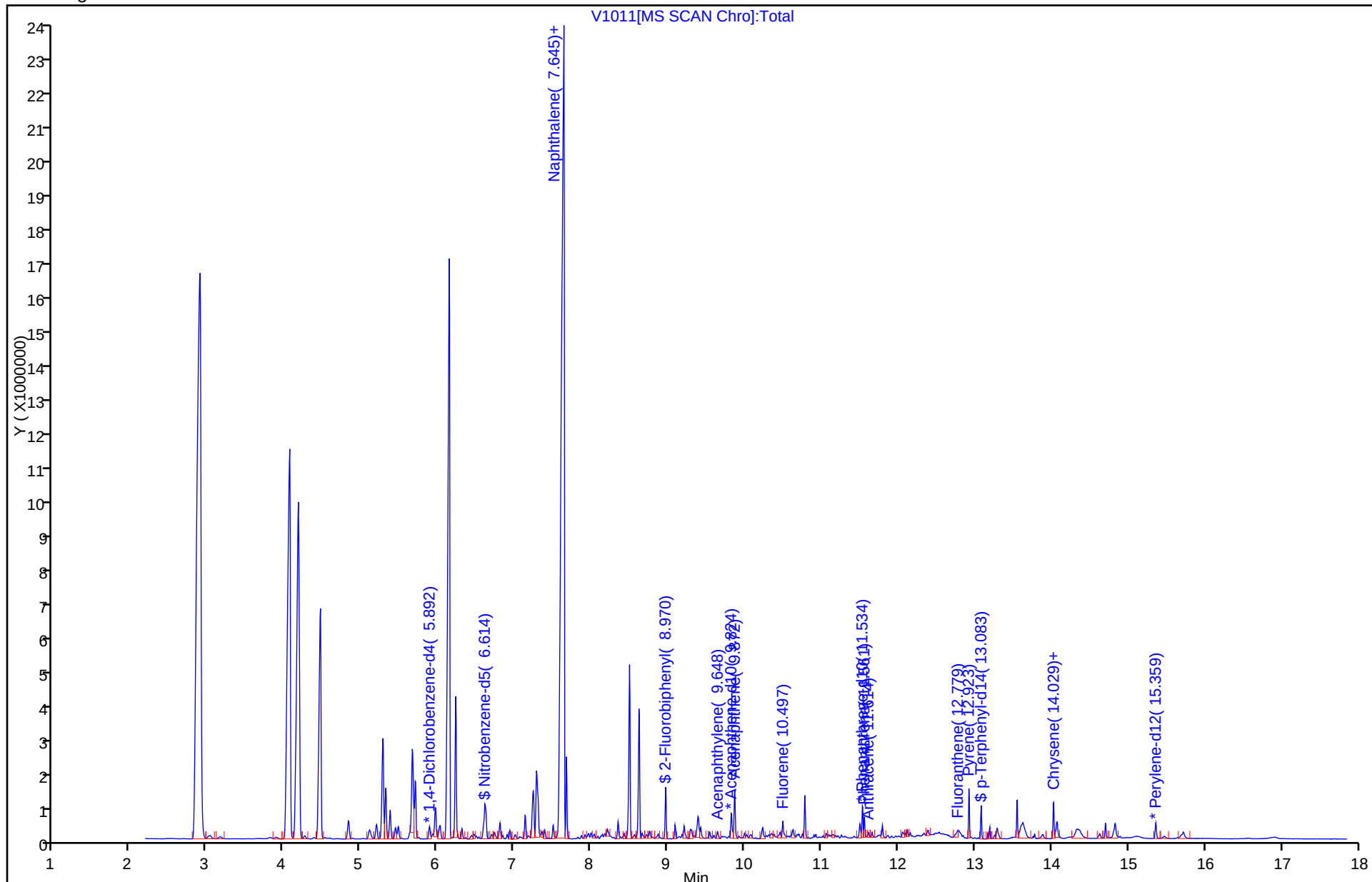
QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Report Date: 29-May-2012 10:59:59
Data File: \\Bufchrom\ChromData\HP5973V\20120524-12193.b\V1011.D
Injection Date: 25-May-2012 06:03:30
Client ID: DW1R
Lims Batch ID: 65945
Operator ID: HL
Column Type: RXI-5Sil MS
Y Scaling:

Chrom Revision: 2.0 20-Feb-2012 13:27:02
Limit Group: MB - 8270C ICAL
Instrument ID: HP5973V
Lims Sample ID: 21
Injection Vol: 1.00 ul
Column Dia: 0.25 mm



Data File:

\\Bufchrom\ChromData\HP5973V\20120524-12193.b\V1011.D

Injection Date: 25-May-2012 06:03:30

Limit Group: MB - 8270C ICAL

Client ID: DW1R

Instrument ID: HP5973V

Lims Batch ID: 65945

Lims Sample ID: 21

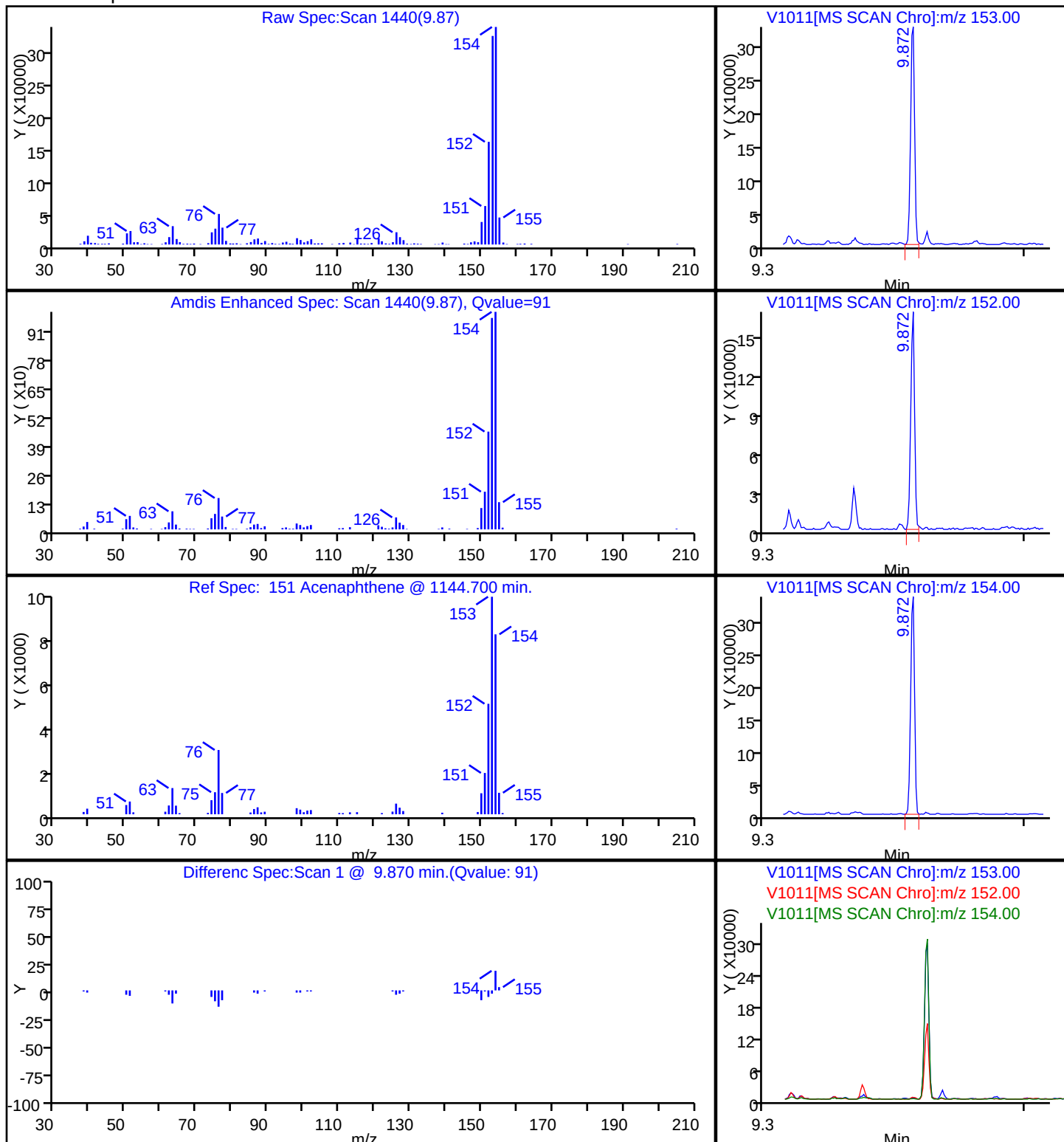
Operator ID: HL

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

151 Acenaphthene



Report Date: 29-May-2012 10:59:59

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120524-12193.b\V1011.D

Injection Date: 25-May-2012 06:03:30

Limit Group: MB - 8270C ICAL

Client ID: DW1R

Instrument ID: HP5973V

Lims Batch ID: 65945

Lims Sample ID: 21

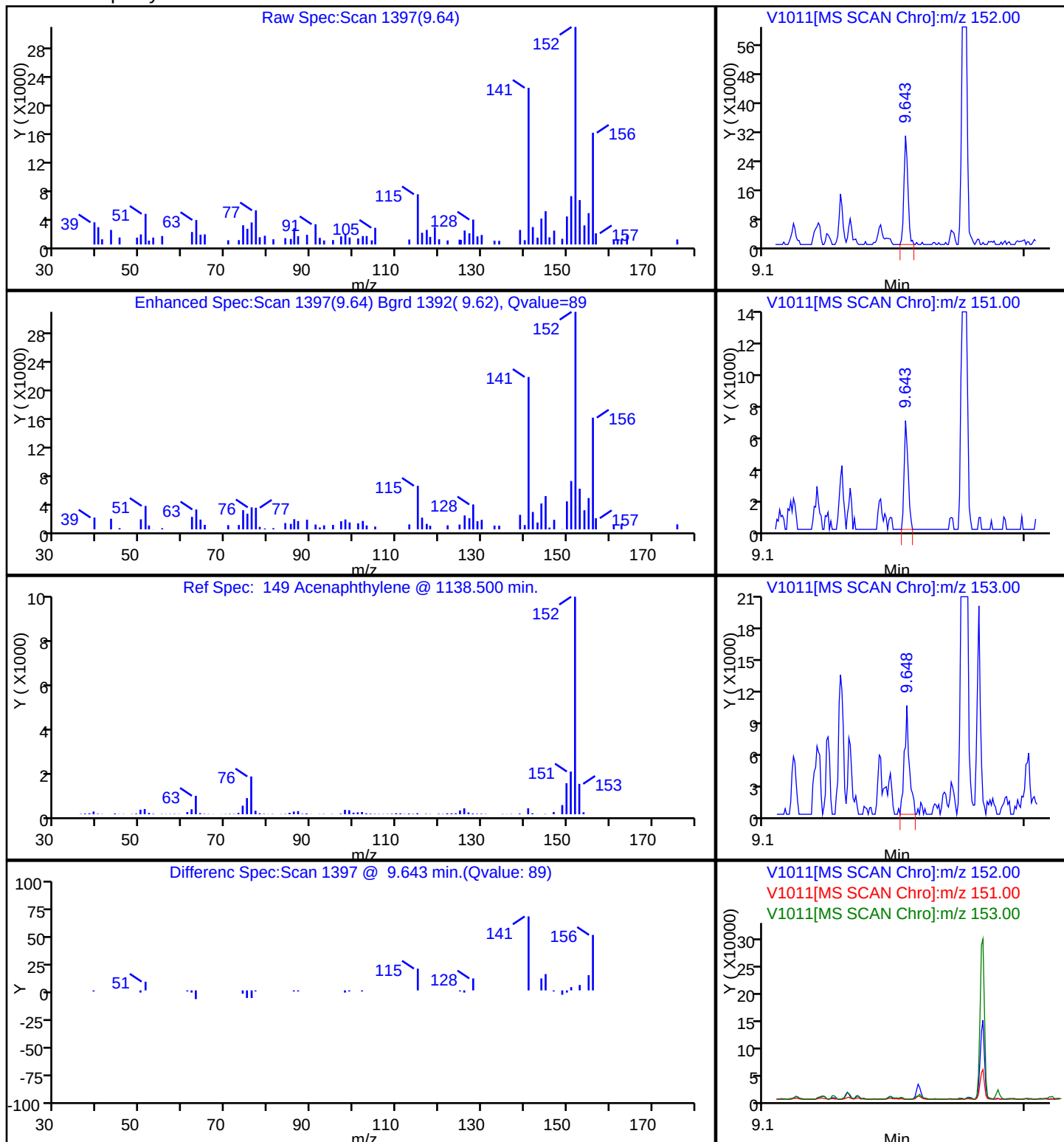
Operator ID: HL

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

149 Acenaphthylene



Report Date: 29-May-2012 10:59:59

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973V\20120524-12193.b\V1011.D

Injection Date: 25-May-2012 06:03:30

Limit Group: MB - 8270C ICAL

Client ID: DW1R

Instrument ID: HP5973V

Lims Batch ID: 65945

Lims Sample ID: 21

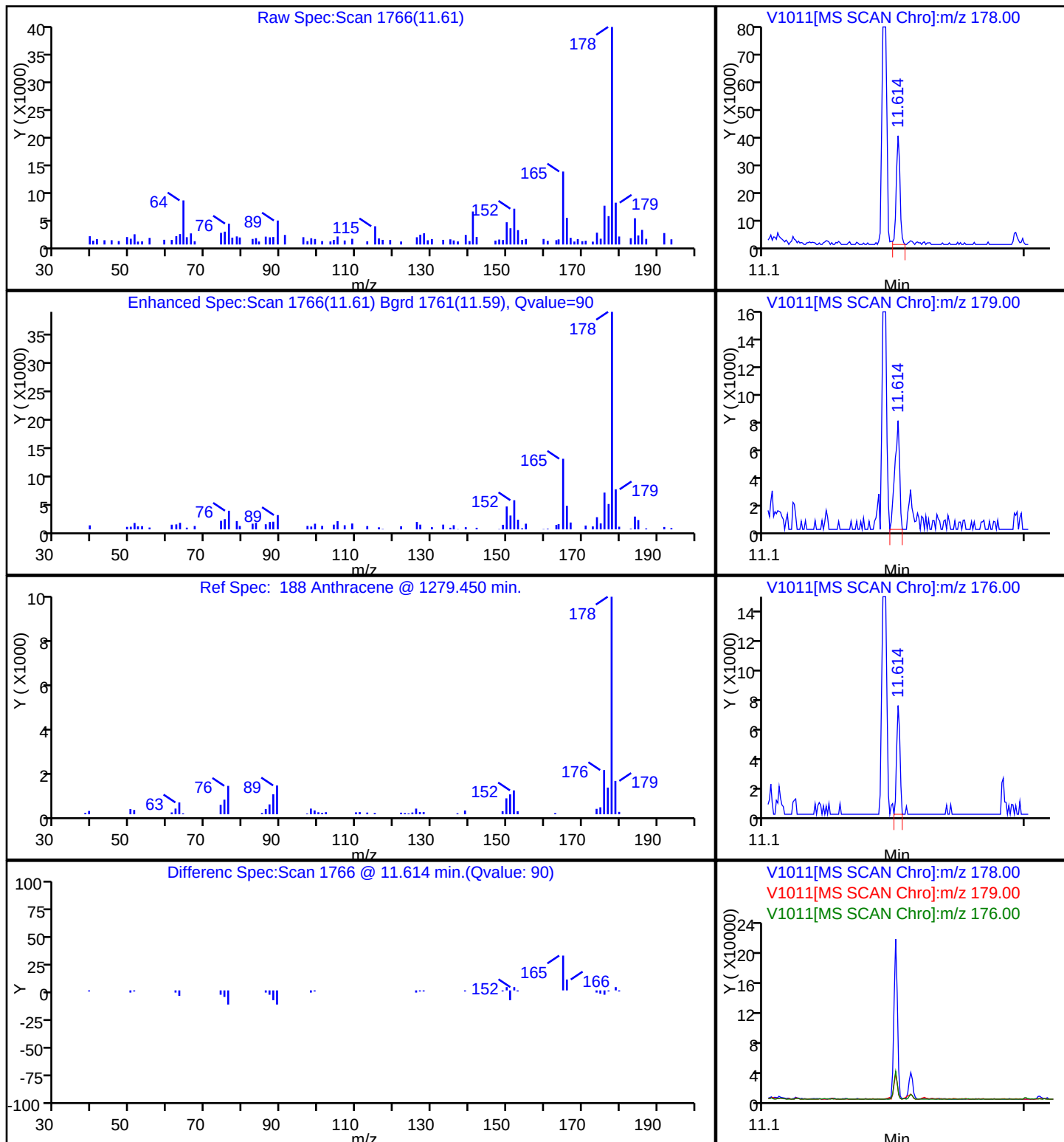
Operator ID: HL

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

188 Anthracene



Report Date: 29-May-2012 10:59:59

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973V\20120524-12193.b\V1011.D

Injection Date: 25-May-2012 06:03:30

Limit Group: MB - 8270C ICAL

Client ID: DW1R

Instrument ID: HP5973V

Lims Batch ID: 65945

Lims Sample ID: 21

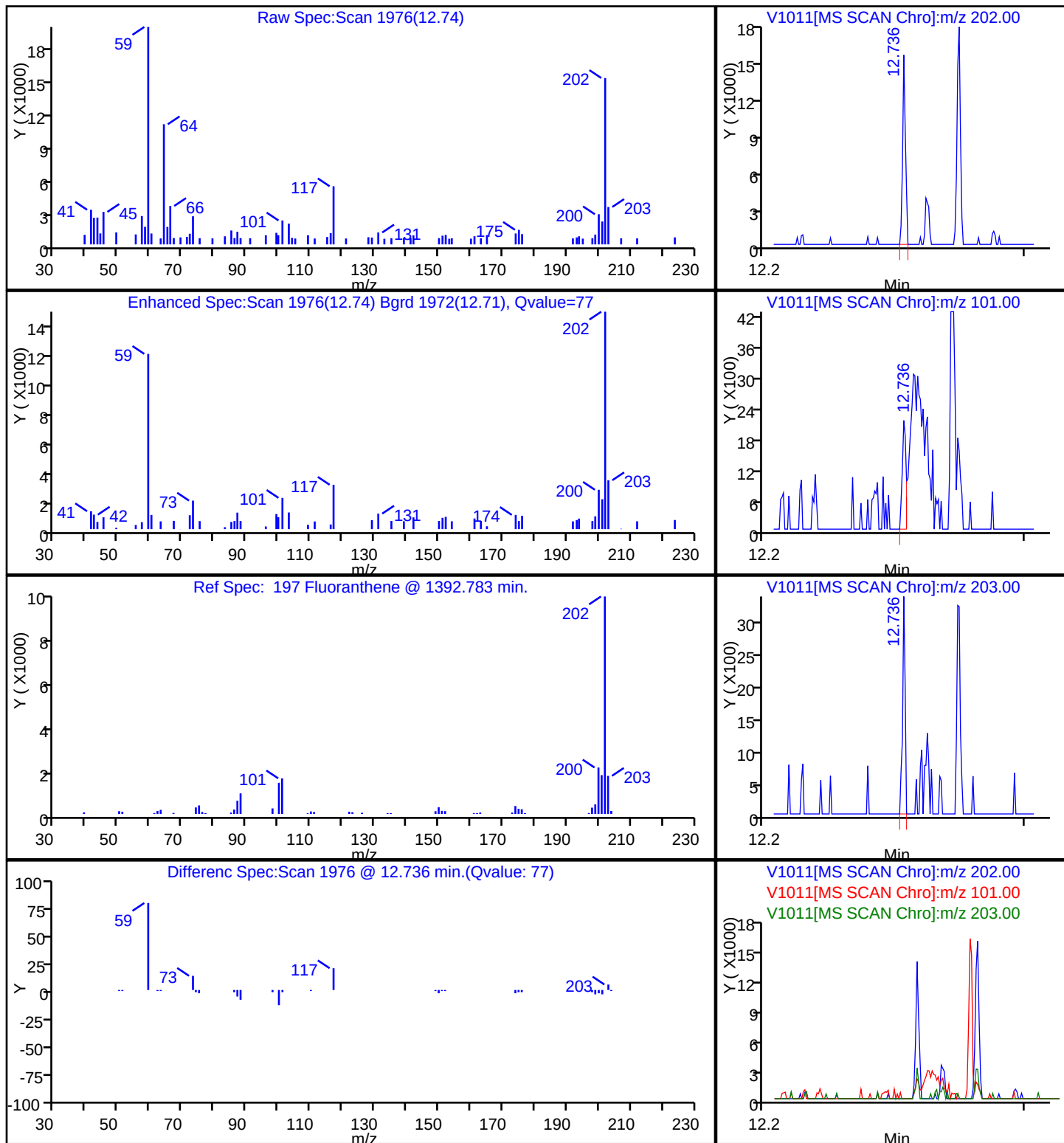
Operator ID: HL

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

197 Fluoranthene



Report Date: 29-May-2012 10:59:59

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973V\20120524-12193.b\V1011.D

Injection Date: 25-May-2012 06:03:30

Limit Group: MB - 8270C ICAL

Client ID: DW1R

Instrument ID: HP5973V

Lims Batch ID: 65945

Lims Sample ID: 21

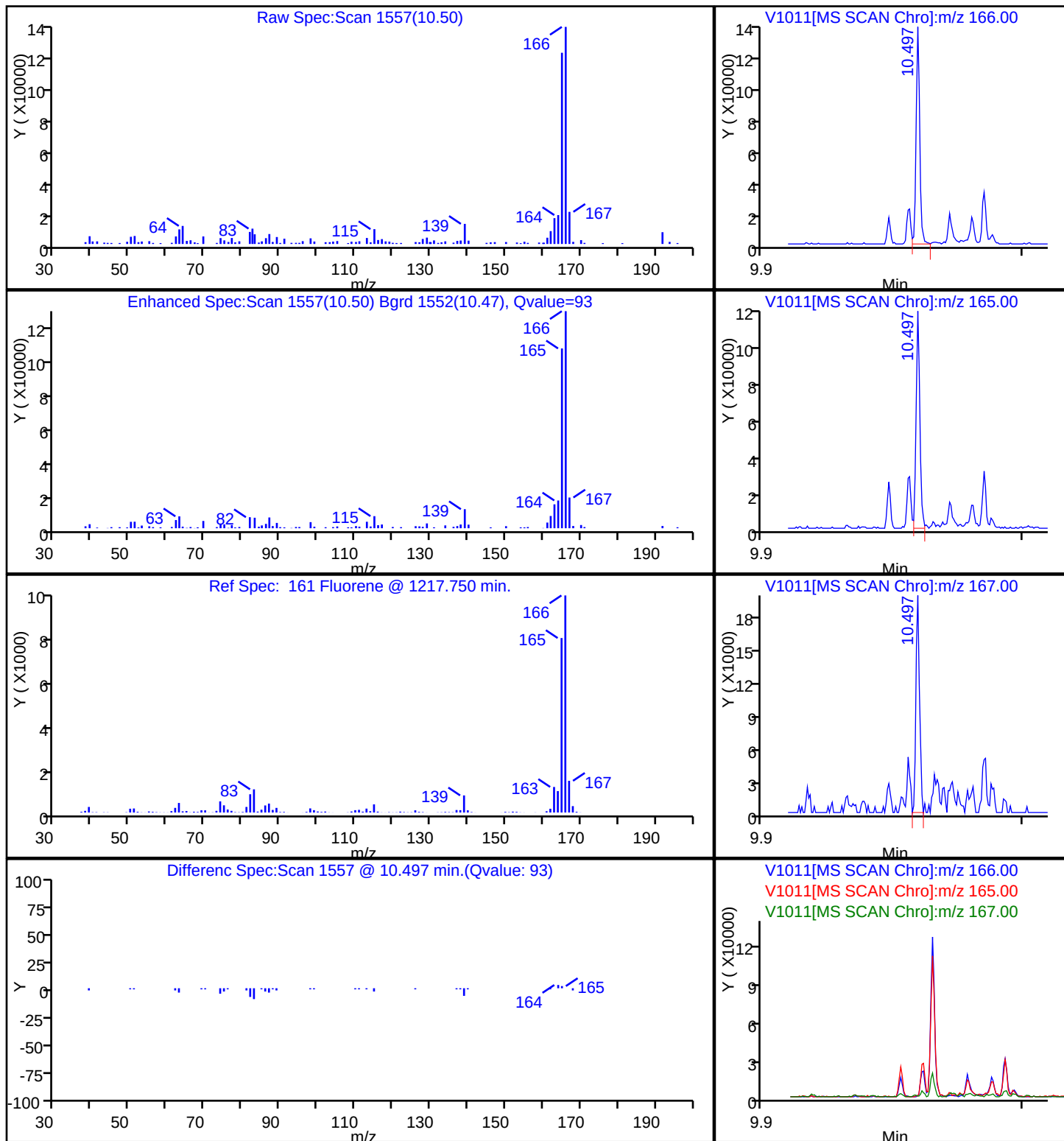
Operator ID: HL

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

161 Fluorene



Report Date: 29-May-2012 10:59:59

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973V\20120524-12193.b\V1011.D

Injection Date: 25-May-2012 06:03:30

Limit Group: MB - 8270C ICAL

Client ID: DW1R

Instrument ID: HP5973V

Lims Batch ID: 65945

Lims Sample ID: 21

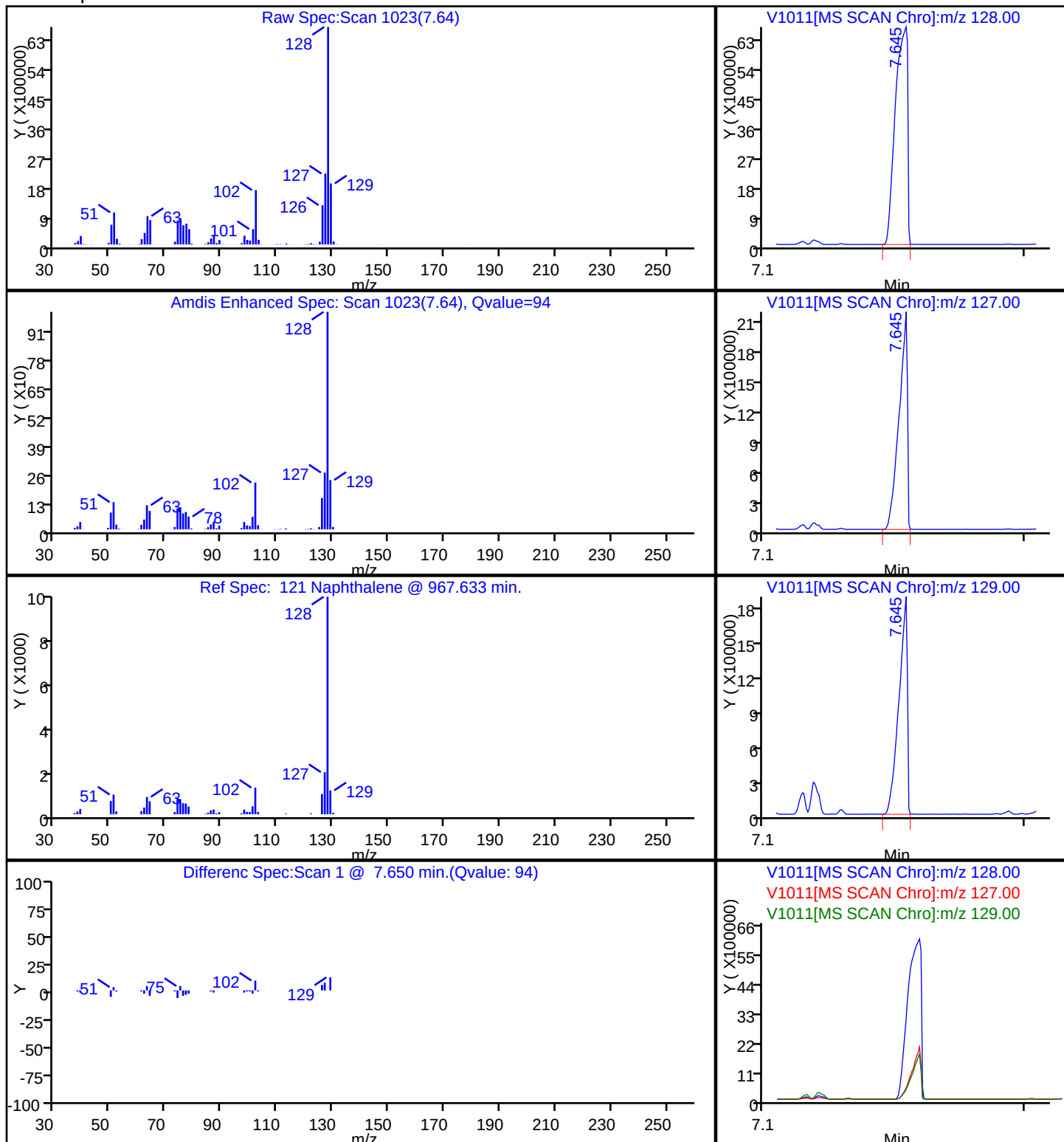
Operator ID: HL

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

121 Naphthalene



Report Date: 29-May-2012 10:59:59

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973V\20120524-12193.b\V1011.D

Injection Date: 25-May-2012 06:03:30

Limit Group: MB - 8270C ICAL

Client ID: DW1R

Instrument ID: HP5973V

Lims Batch ID: 65945

Lims Sample ID: 21

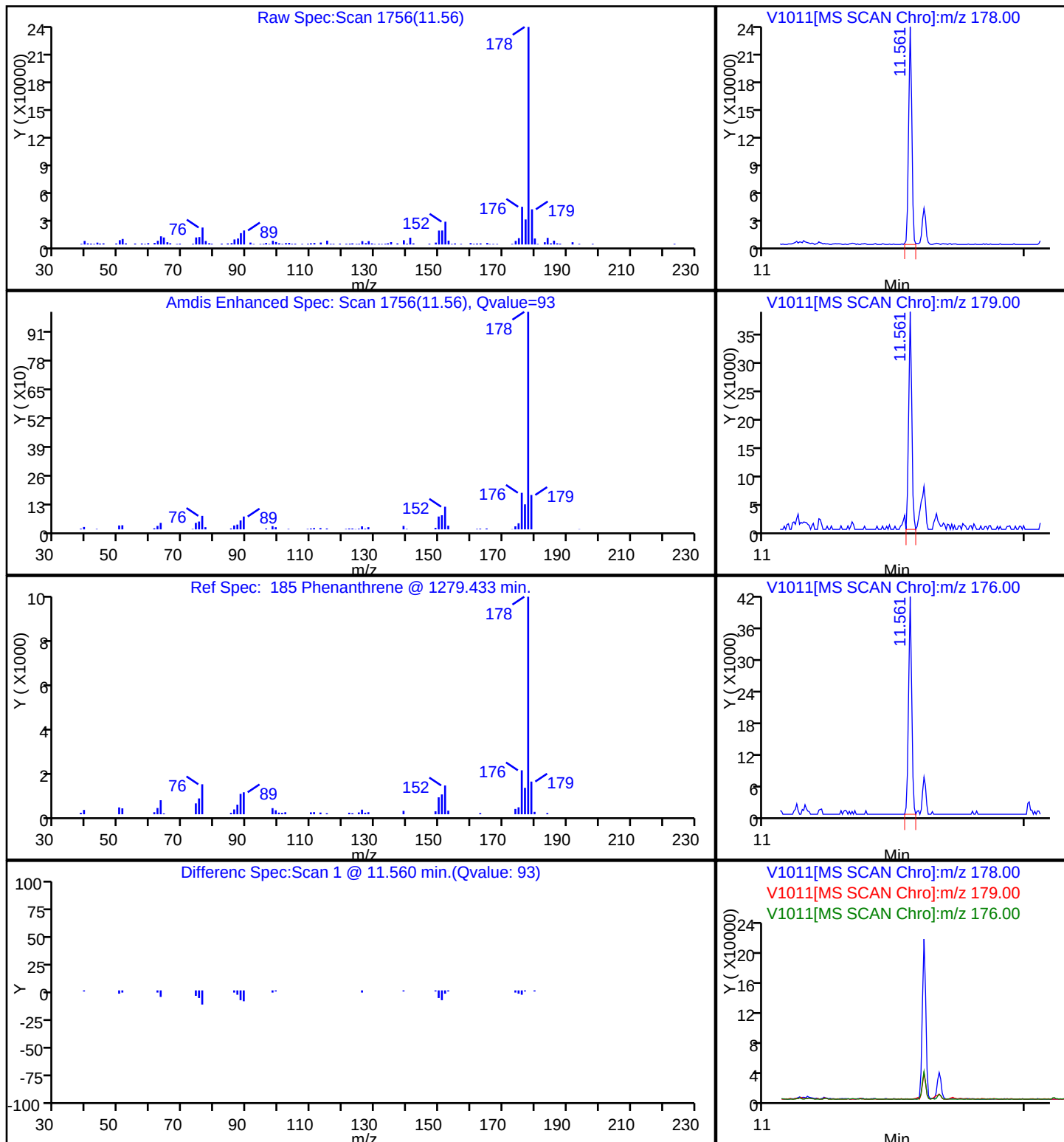
Operator ID: HL

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

185 Phenanthrene



Report Date: 29-May-2012 10:59:59

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973V\20120524-12193.b\V1011.D

Injection Date: 25-May-2012 06:03:30

Limit Group: MB - 8270C ICAL

Client ID: DW1R

Instrument ID: HP5973V

Lims Batch ID: 65945

Lims Sample ID: 21

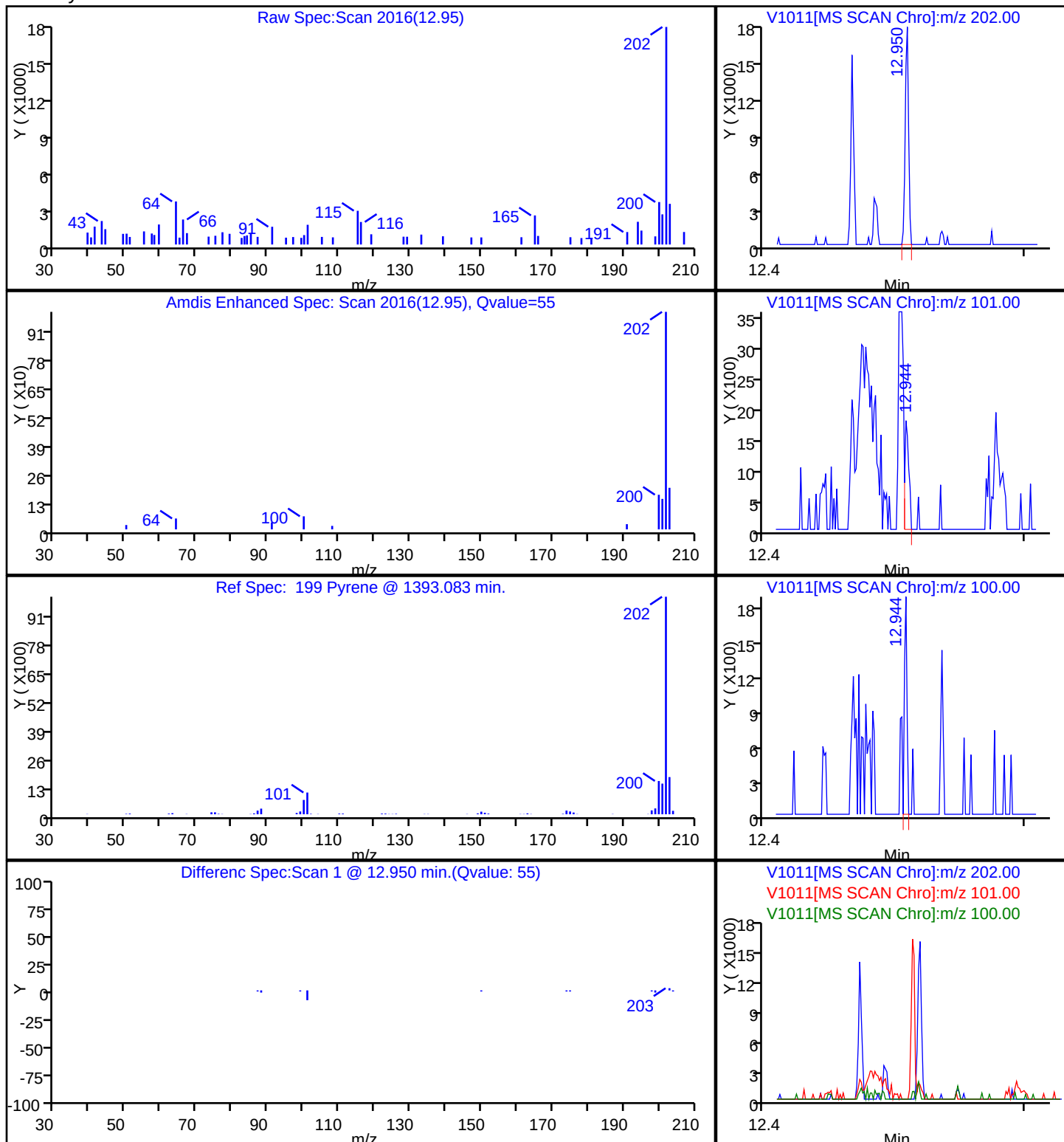
Operator ID: HL

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

199 Pyrene



Report Date: 29-May-2012 10:59:59

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973V\20120524-12193.b\V1011.D

Injection Date: 25-May-2012 06:03:30

Limit Group: MB - 8270C ICAL

Client ID: DW1R

Instrument ID: HP5973V

Lims Batch ID: 65945

Lims Sample ID: 21

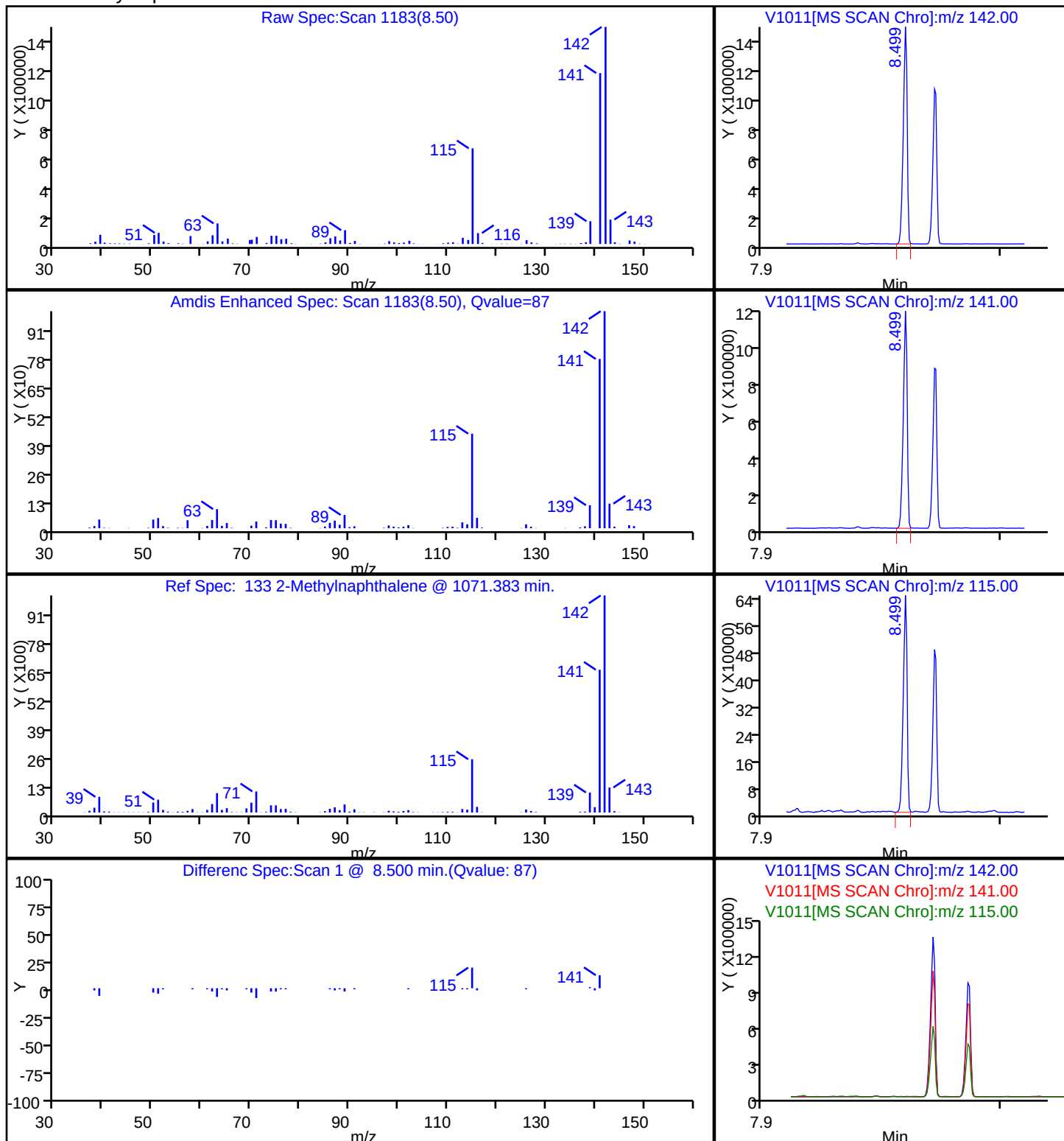
Operator ID: HL

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

133 2-Methylnaphthalene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1

SDG No.: _____

Client Sample ID: DW1R DL Lab Sample ID: 480-20186-2 DL

Matrix: Water Lab File ID: V1036.D

Analysis Method: 8270C Date Collected: 05/15/2012 11:30

Extract. Method: 3510C Date Extracted: 05/18/2012 13:56

Sample wt/vol: 1060 (mL) Date Analyzed: 05/25/2012 15:30

Con. Extract Vol.: 1 (mL) Dilution Factor: 50

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

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 66043 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	69	J	240	19
208-96-8	Acenaphthylene	ND		240	18
120-12-7	Anthracene	ND		240	13
56-55-3	Benz(a)anthracene	ND		240	17
50-32-8	Benzo(a)pyrene	ND	*	240	22
205-99-2	Benzo(b)fluoranthene	ND	*	240	16
191-24-2	Benzo(g,h,i)perylene	ND		240	17
207-08-9	Benzo(k)fluoranthene	ND	*	240	34
218-01-9	Chrysene	ND		240	16
53-70-3	Dibenz(a,h)anthracene	ND		240	20
206-44-0	Fluoranthene	ND		240	19
86-73-7	Fluorene	18	J	240	17
193-39-5	Indeno(1,2,3-c,d)pyrene	ND		240	22
91-20-3	Naphthalene	4000		240	36
85-01-8	Phenanthrene	23	J	240	21
129-00-0	Pyrene	ND		240	16
91-57-6	2-Methylnaphthalene	320		240	28

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	74		46-120
321-60-8	2-Fluorobiphenyl	79		48-120
1718-51-0	p-Terphenyl-d14	0	X	67-150

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20120525-12217.b\V1036.D
 Lims ID: 480-20186-A-2-A Client ID: DW1R
 Inject. Date: 25-May-2012 15:30:30 Dil. Factor: 50.0000
 Sample Type: Client
 Sample ID: 480-0012217-010
 Misc. Info.: DMC
 Operator: ANM Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 11
 Lims Batch ID: 66043 Lims Sample ID: 10
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20120525-12217.b\V-8270.m
 Last Update: 30-May-2012 09:14:50 Calib Date: 18-May-2012 18:10:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0750.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

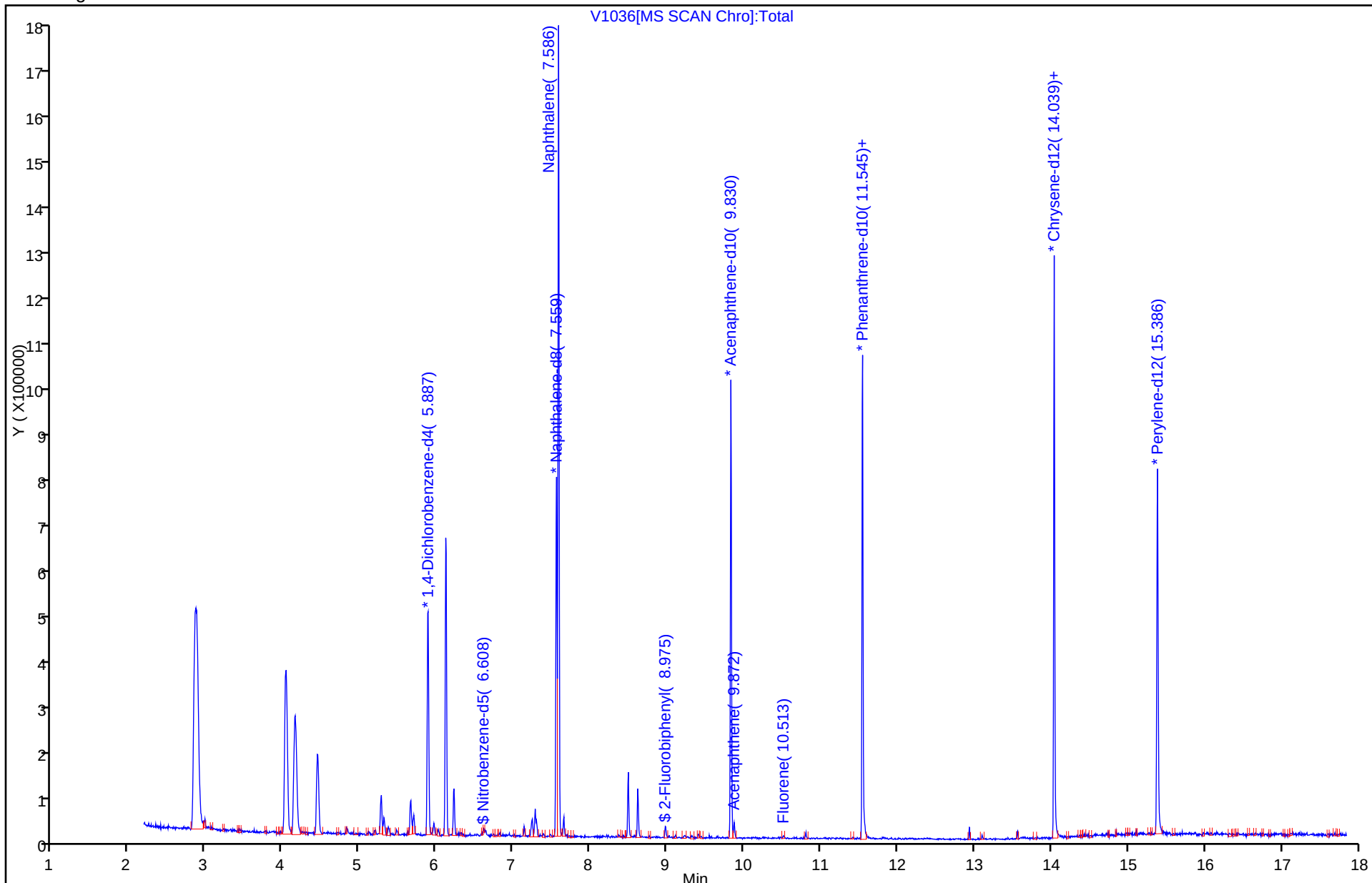
First Level Reviewer: lyh

Date: 30-May-2012 09:14:50

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.887	5.887	0.0	95	97443	40.0	
* 2 Naphthalene-d8	136	7.559	7.559	0.0	99	385471	40.0	
* 3 Acenaphthene-d10	164	9.830	9.830	0.0	86	273205	40.0	
* 4 Phenanthrene-d10	188	11.545	11.545	0.0	96	435049	40.0	
* 5 Chrysene-d12	240	14.039	14.045	-0.006	97	472020	40.0	
* 6 Perylene-d12	264	15.386	15.391	-0.005	98	412927	40.0	
\$ 11 Nitrobenzene-d5	82	6.630	6.624	0.006	31	5484	1.49	
\$ 12 2-Fluorobiphenyl	172	8.975	8.975	0.0	34	12542	1.58	
\$ 14 p-Terphenyl-d14	244		13.099					
121 Naphthalene	128	7.586	7.591	-0.005	98	837025	85.4	
133 2-Methylnaphthalene	142	8.494	8.494	0.0	81	45555	6.70	
149 Acenaphthylene	152		9.653					
151 Acenaphthene	153	9.872	9.878	-0.006	54	9745	1.47	
161 Fluorene	166	10.519	10.508	0.011	1	3226	0.3830	
185 Phenanthrene	178	11.571	11.577	-0.006	1	5644	0.4772	
188 Anthracene	178		11.630					
197 Fluoranthene	202		12.752					
199 Pyrene	202		12.966					
209 Benzo[a]anthracene	228	14.039	14.039	0.0	1	1223	0.0903	
211 Chrysene	228		14.071					
213 Benzo[b]fluoranthene	252		15.012					
214 Benzo[k]fluoranthene	252		15.038					
217 Benzo[a]pyrene	252		15.343					
219 Indeno[1,2,3-cd]pyrene	276		16.614					
220 Dibenz(a,h)anthracene	278		16.620					
221 Benzo[g,h,i]perylene	276		16.962					

Report Date: 30-May-2012 09:14:50
Data File: \\Bufchrom\ChromData\HP5973V\20120525-12217.b\V1036.D
Injection Date: 25-May-2012 15:30:30
Client ID: DW1R
Lims Batch ID: 66043
Operator ID: ANM
Column Type: RXI-5Sil MS
Y Scaling:

Chrom Revision: 2.0 20-Feb-2012 13:27:02
Limit Group: MB - 8270C ICAL
Instrument ID: HP5973V
Lims Sample ID: 10
Injection Vol: 1.00 ul
Column Dia: 0.25 mm



Report Date: 30-May-2012 09:14:50

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120525-12217.b\V1036.D

Injection Date: 25-May-2012 15:30:30

Limit Group: MB - 8270C ICAL

Client ID: DW1R

Instrument ID: HP5973V

Lims Batch ID: 66043

Lims Sample ID: 10

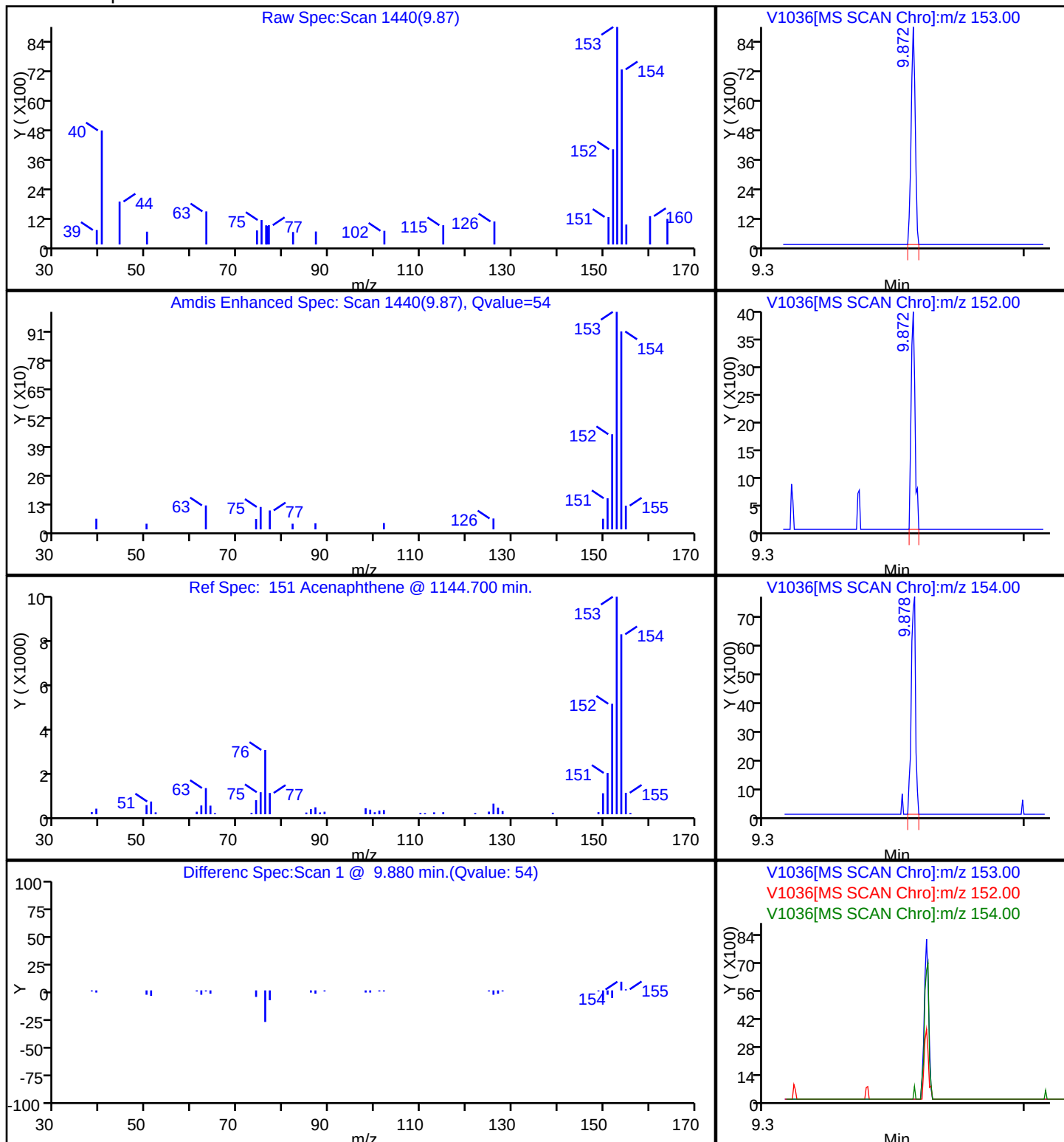
Operator ID: ANM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

151 Acenaphthene



Data File:

\\Bufchrom\ChromData\HP5973V\20120525-12217.b\V1036.D

Injection Date: 25-May-2012 15:30:30

Limit Group: MB - 8270C ICAL

Client ID: DW1R

Instrument ID: HP5973V

Lims Batch ID: 66043

Lims Sample ID: 10

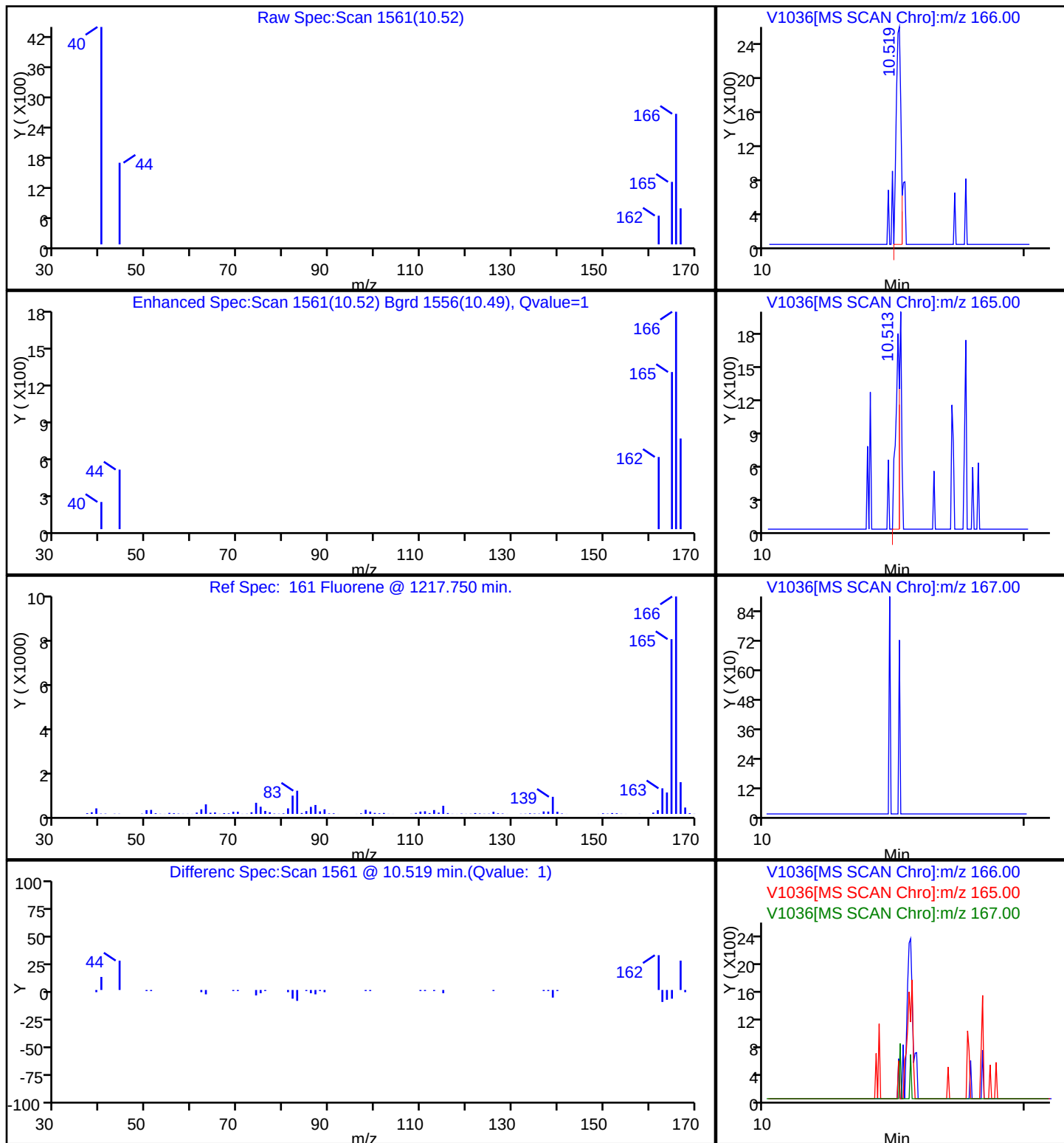
Operator ID: ANM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

161 Fluorene



Report Date: 30-May-2012 09:14:50

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120525-12217.b\V1036.D

Injection Date: 25-May-2012 15:30:30

Limit Group: MB - 8270C ICAL

Client ID: DW1R

Instrument ID: HP5973V

Lims Batch ID: 66043

Lims Sample ID: 10

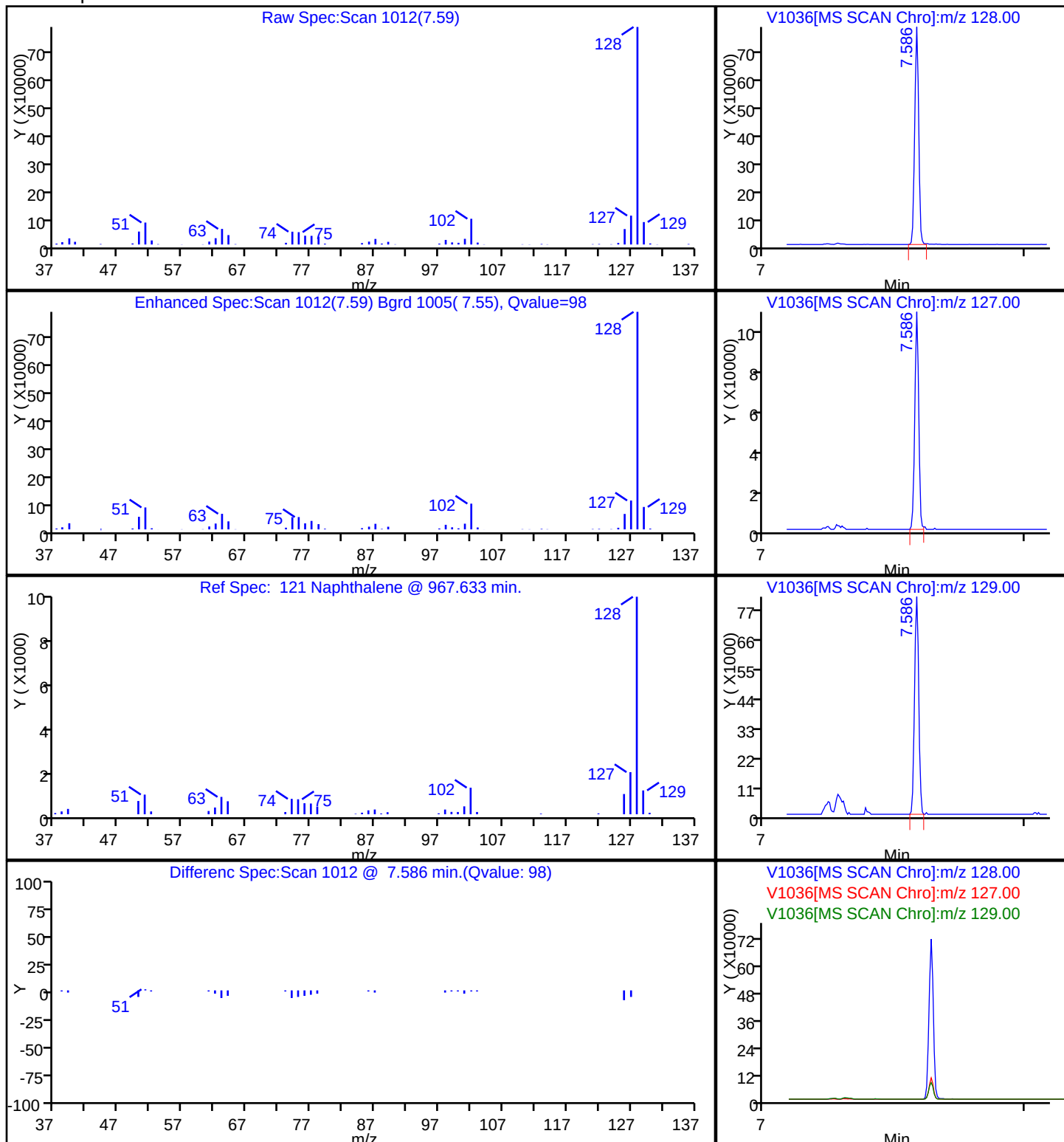
Operator ID: ANM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

121 Naphthalene



Report Date: 30-May-2012 09:14:50

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120525-12217.b\V1036.D

Injection Date: 25-May-2012 15:30:30

Limit Group: MB - 8270C ICAL

Client ID: DW1R

Instrument ID: HP5973V

Lims Batch ID: 66043

Lims Sample ID: 10

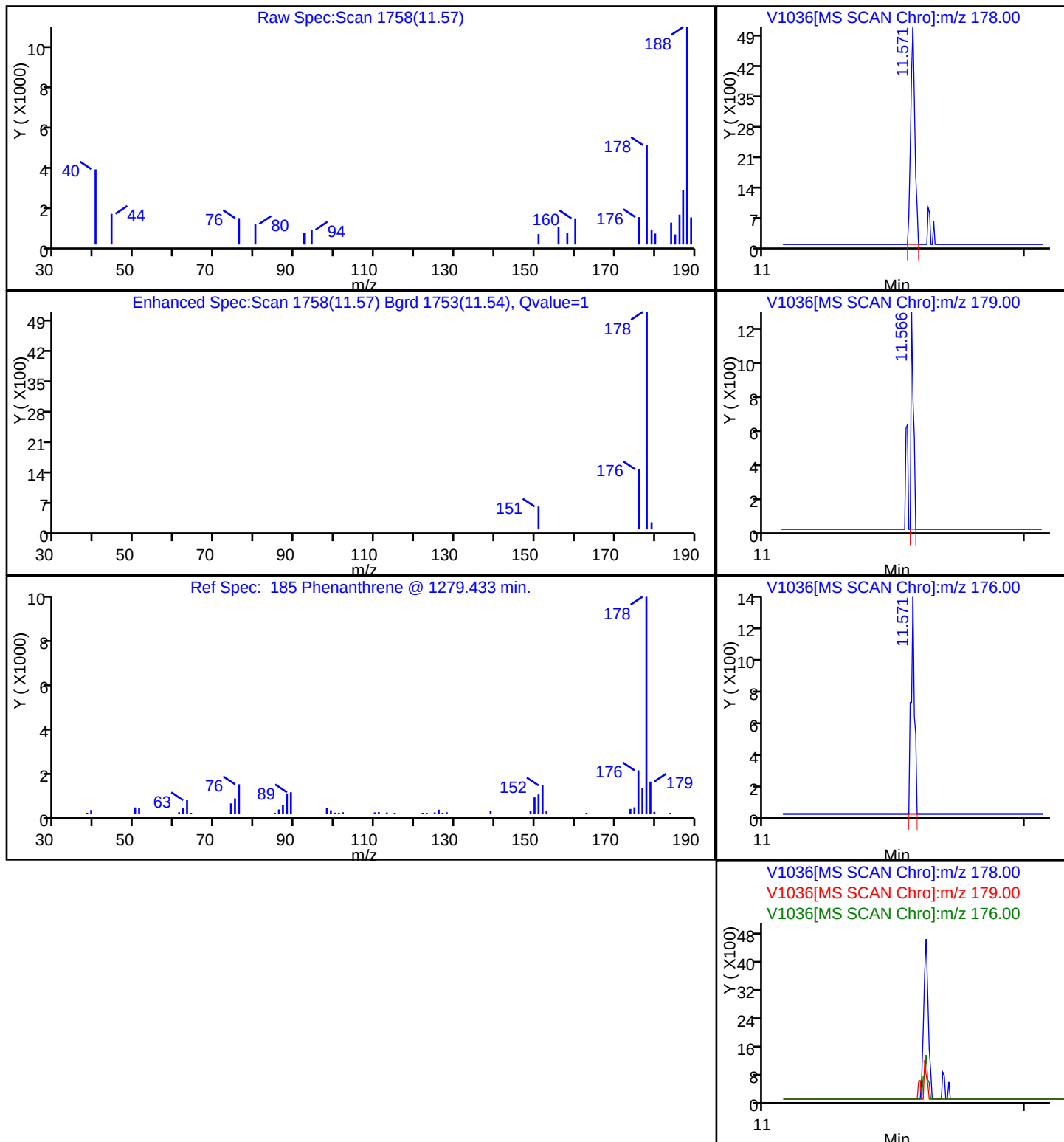
Operator ID: ANM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

185 Phenanthrene



Report Date: 30-May-2012 09:14:50

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120525-12217.b\V1036.D

Injection Date: 25-May-2012 15:30:30

Limit Group: MB - 8270C ICAL

Client ID: DW1R

Instrument ID: HP5973V

Lims Batch ID: 66043

Lims Sample ID: 10

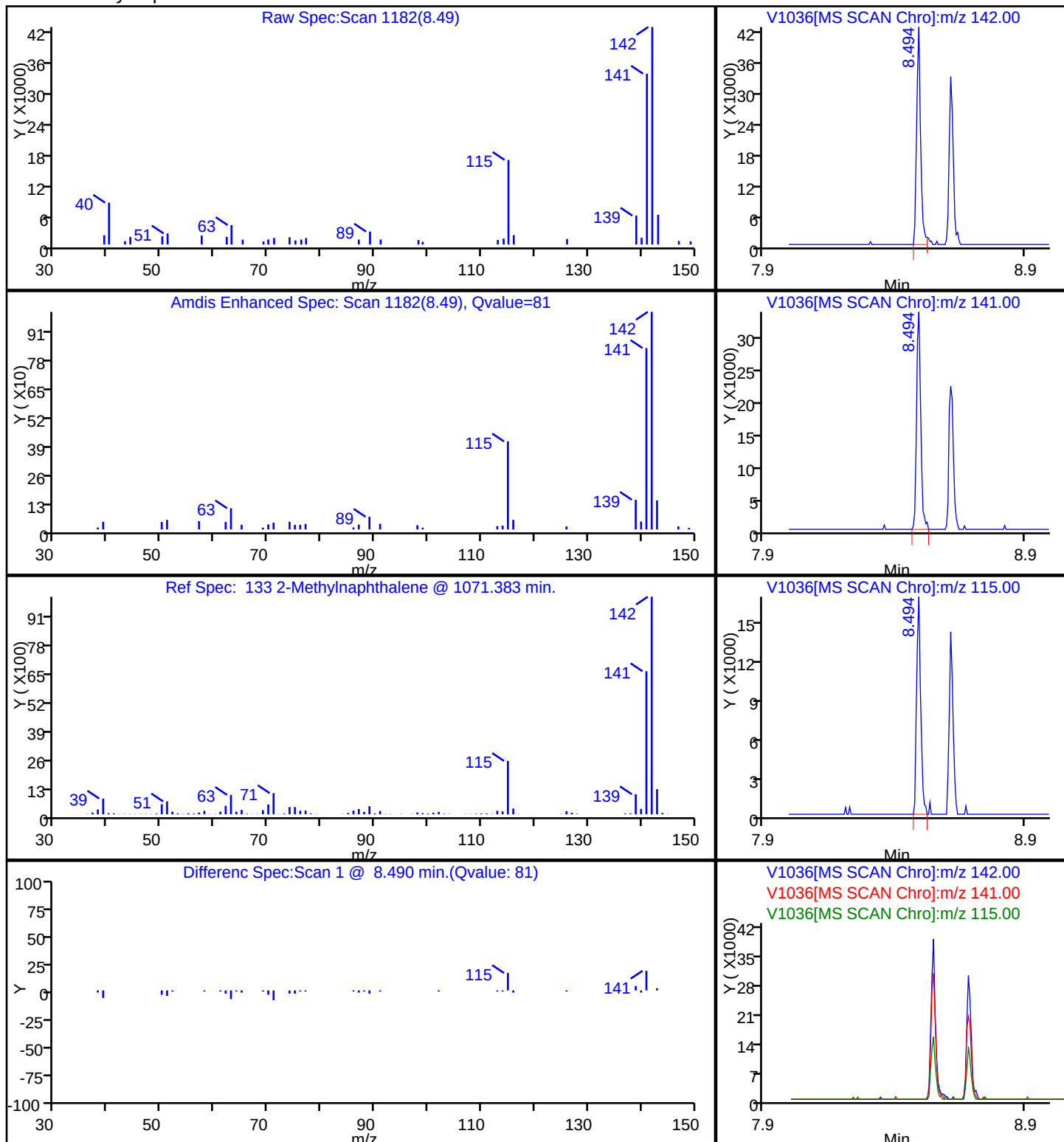
Operator ID: ANM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

133 2-Methylnaphthalene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
 SDG No.: _____
 Client Sample ID: MW3DR Lab Sample ID: 480-20186-3
 Matrix: Water Lab File ID: V1012.D
 Analysis Method: 8270C Date Collected: 05/15/2012 11:05
 Extract. Method: 3510C Date Extracted: 05/18/2012 13:56
 Sample wt/vol: 1000 (mL) Date Analyzed: 05/25/2012 06:27
 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.: 65945 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	26		5.0	0.41
208-96-8	Acenaphthylene	3.6	J	5.0	0.38
120-12-7	Anthracene	ND		5.0	0.28
56-55-3	Benz (a) anthracene	ND		5.0	0.36
50-32-8	Benzo (a) pyrene	ND	*	5.0	0.47
205-99-2	Benzo (b) fluoranthene	ND	*	5.0	0.34
191-24-2	Benzo (g, h, i) perylene	ND		5.0	0.35
207-08-9	Benzo (k) fluoranthene	ND	*	5.0	0.73
218-01-9	Chrysene	ND		5.0	0.33
53-70-3	Dibenz (a, h) anthracene	ND		5.0	0.42
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	5.3		5.0	0.36
193-39-5	Indeno (1, 2, 3-c, d) pyrene	ND		5.0	0.47
91-20-3	Naphthalene	460	E	5.0	0.76
85-01-8	Phenanthrene	2.7	J	5.0	0.44
129-00-0	Pyrene	ND		5.0	0.34
91-57-6	2-Methylnaphthalene	21		5.0	0.60

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	83		46-120
321-60-8	2-Fluorobiphenyl	87		48-120
1718-51-0	p-Terphenyl-d14	76		67-150

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20120524-12193.b\V1012.D
 Lims ID: 480-20186-A-3-A Client ID: MW3DR
 Inject. Date: 25-May-2012 06:27:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-0012193-022
 Misc. Info.: 480-20186-A-3-A
 Operator: HL Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 59
 Lims Batch ID: 65945 Lims Sample ID: 22
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20120524-12193.b\V-8270.m
 Last Update: 29-May-2012 10:54:58 Calib Date: 18-May-2012 18:10:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0750.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: lyh

Date: 29-May-2012 11:00:30

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.887	5.887	0.0	96	72809	40.0	
* 2 Naphthalene-d8	136	7.559	7.559	0.0	99	275007	40.0	
* 3 Acenaphthene-d10	164	9.824	9.824	0.0	84	193560	40.0	
* 4 Phenanthrene-d10	188	11.534	11.534	0.0	97	328006	40.0	
* 5 Chrysene-d12	240	14.029	14.023	0.006	97	384607	40.0	
* 6 Perylene-d12	264	15.359	15.359	0.0	97	228662	40.0	
\$ 11 Nitrobenzene-d5	82	6.624	6.624	0.0	90	218088	83.1	
\$ 12 2-Fluorobiphenyl	172	8.970	8.970	0.0	99	488406	87.1	
\$ 14 p-Terphenyl-d14	244	13.083	13.083	0.0	97	598407	76.0	
121 Naphthalene	128	7.597	7.586	0.011	99	3185686	455.7	E
133 2-Methylnaphthalene	142	8.489	8.489	0.0	88	103724	21.4	
149 Acenaphthylene	152	9.643	9.648	-0.005	85	27450	3.59	
151 Acenaphthene	153	9.867	9.872	-0.005	88	121754	25.9	
161 Fluorene	166	10.498	10.503	-0.005	72	31329	5.25	
185 Phenanthrene	178	11.561	11.561	-0.005	27	24233	2.72	
188 Anthracene	178		11.619					
197 Fluoranthene	202		12.736					
199 Pyrene	202		12.950					
209 Benzo[a]anthracene	228		14.018					
211 Chrysene	228		14.055					
213 Benzo[b]fluoranthene	252		14.985					
214 Benzo[k]fluoranthene	252		15.012					
217 Benzo[a]pyrene	252		15.311					
219 Indeno[1,2,3-cd]pyrene	276		16.561					
220 Dibenz(a,h)anthracene	278		16.566					
221 Benzo[g,h,i]perylene	276		16.903					

QC Flag Legend

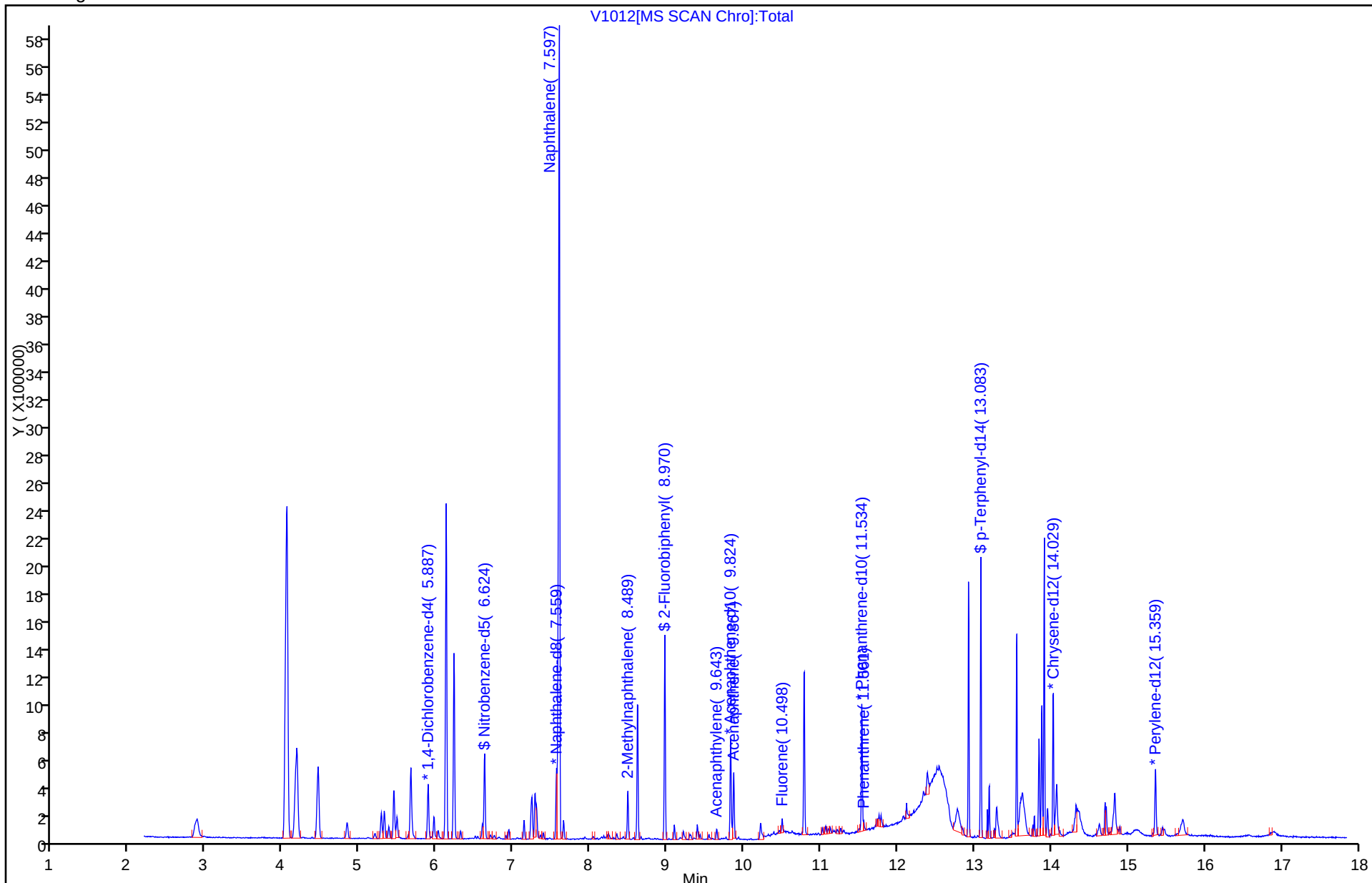
Processing Flags

E - Exceeded Maximum Amount

Report Date: 29-May-2012 11:00:30
Data File: \\Bufchrom\ChromData\HP5973V\20120524-12193.b\V1012.D
Injection Date: 25-May-2012 06:27:30
Client ID: MW3DR
Lims Batch ID: 65945
Operator ID: HL
Column Type: RXI-5Sil MS

Chrom Revision: 2.0 20-Feb-2012 13:27:02
Limit Group: MB - 8270C ICAL
Instrument ID: HP5973V
Lims Sample ID: 22
Injection Vol: 1.00 ul
Column Dia: 0.25 mm

Y Scaling:



Report Date: 29-May-2012 11:00:31

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

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Injection Date: 25-May-2012 06:27:30

Limit Group: MB - 8270C ICAL

Client ID: MW3DR

Instrument ID: HP5973V

Lims Batch ID: 65945

Lims Sample ID: 22

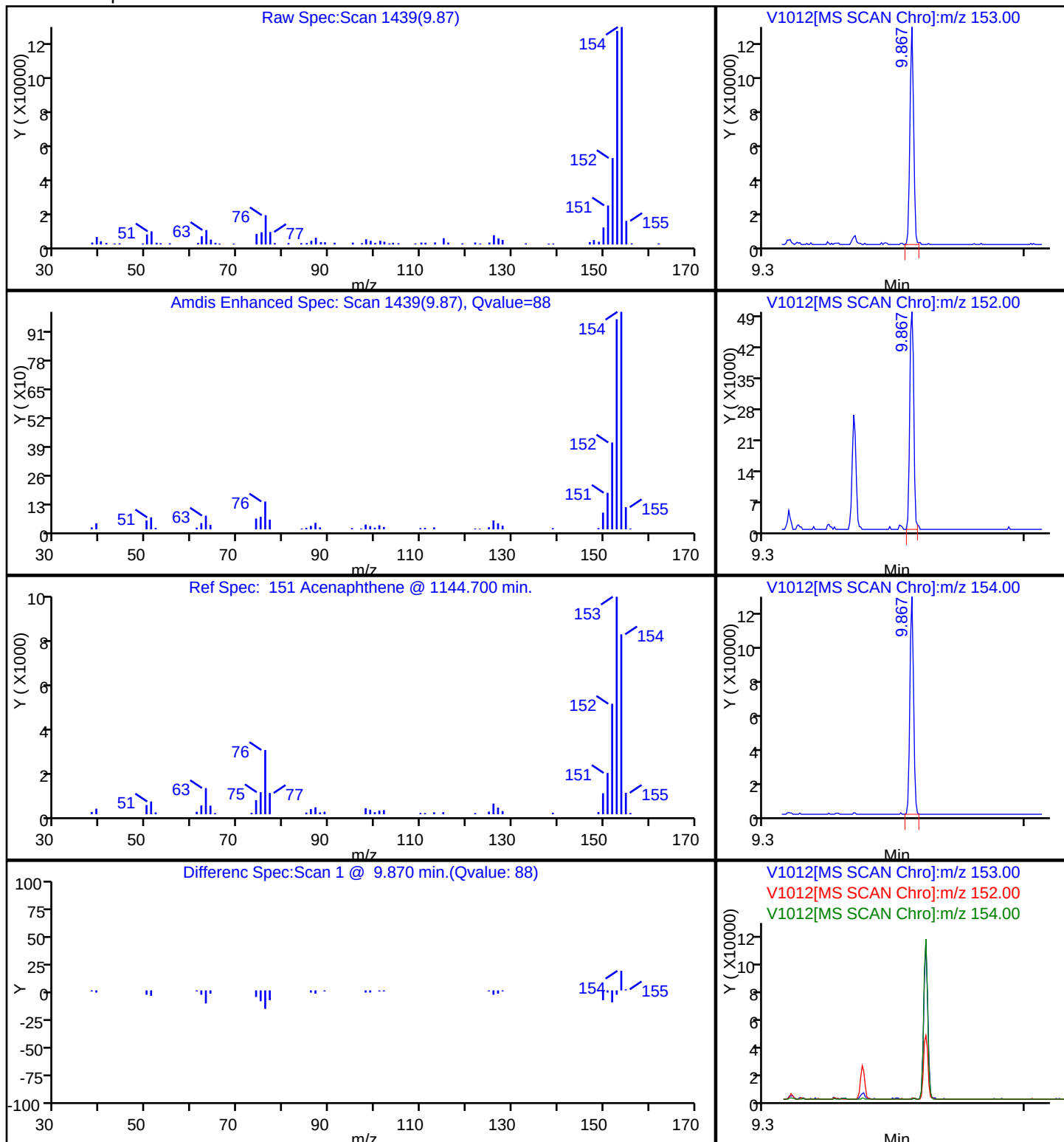
Operator ID: HL

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

151 Acenaphthene



Report Date: 29-May-2012 11:00:31

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

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Injection Date: 25-May-2012 06:27:30

Limit Group: MB - 8270C ICAL

Client ID: MW3DR

Instrument ID: HP5973V

Lims Batch ID: 65945

Lims Sample ID: 22

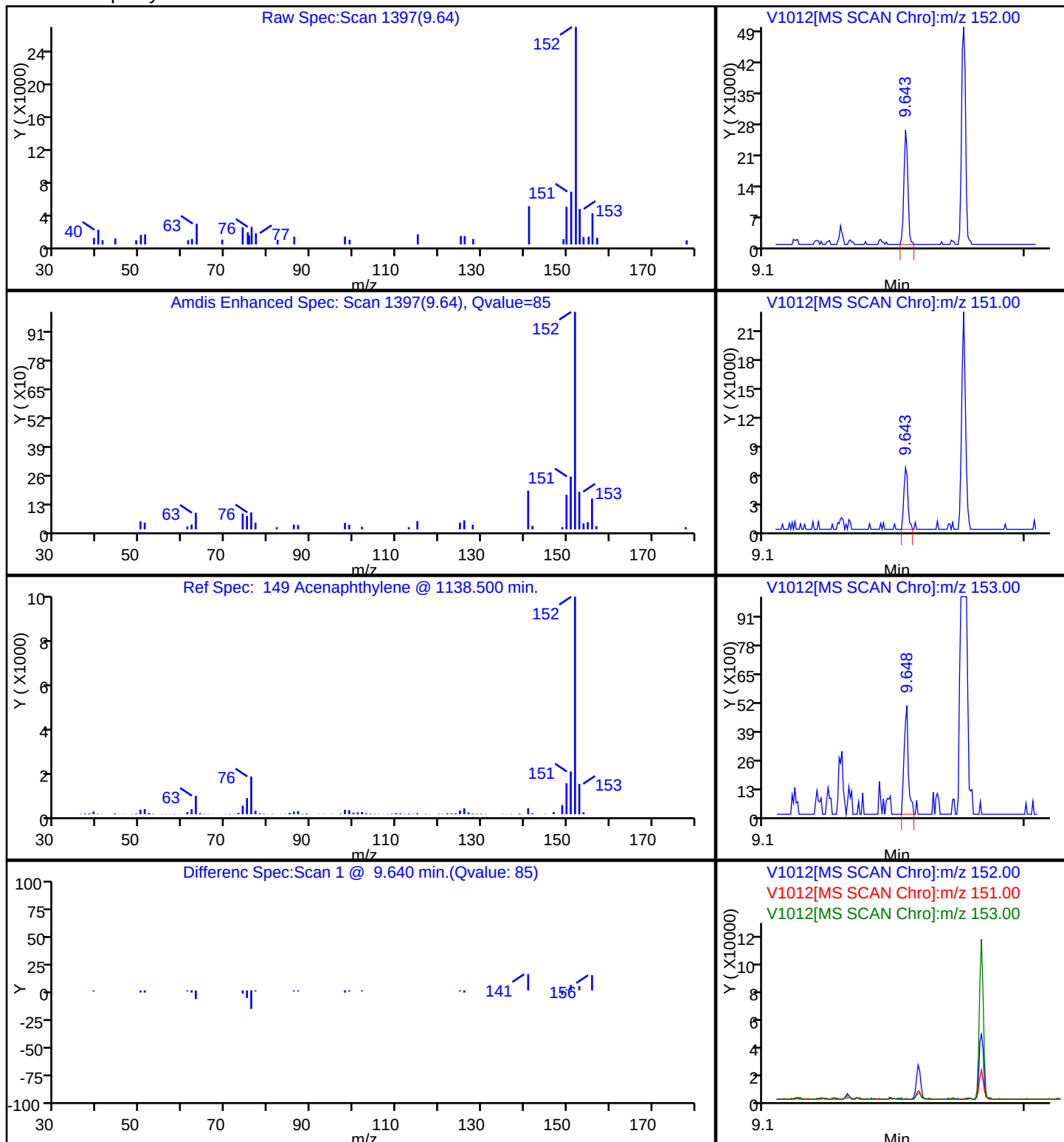
Operator ID: HL

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

149 Acenaphthylene



Report Date: 29-May-2012 11:00:31

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

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Injection Date: 25-May-2012 06:27:30

Limit Group: MB - 8270C ICAL

Client ID: MW3DR

Instrument ID: HP5973V

Lims Batch ID: 65945

Lims Sample ID: 22

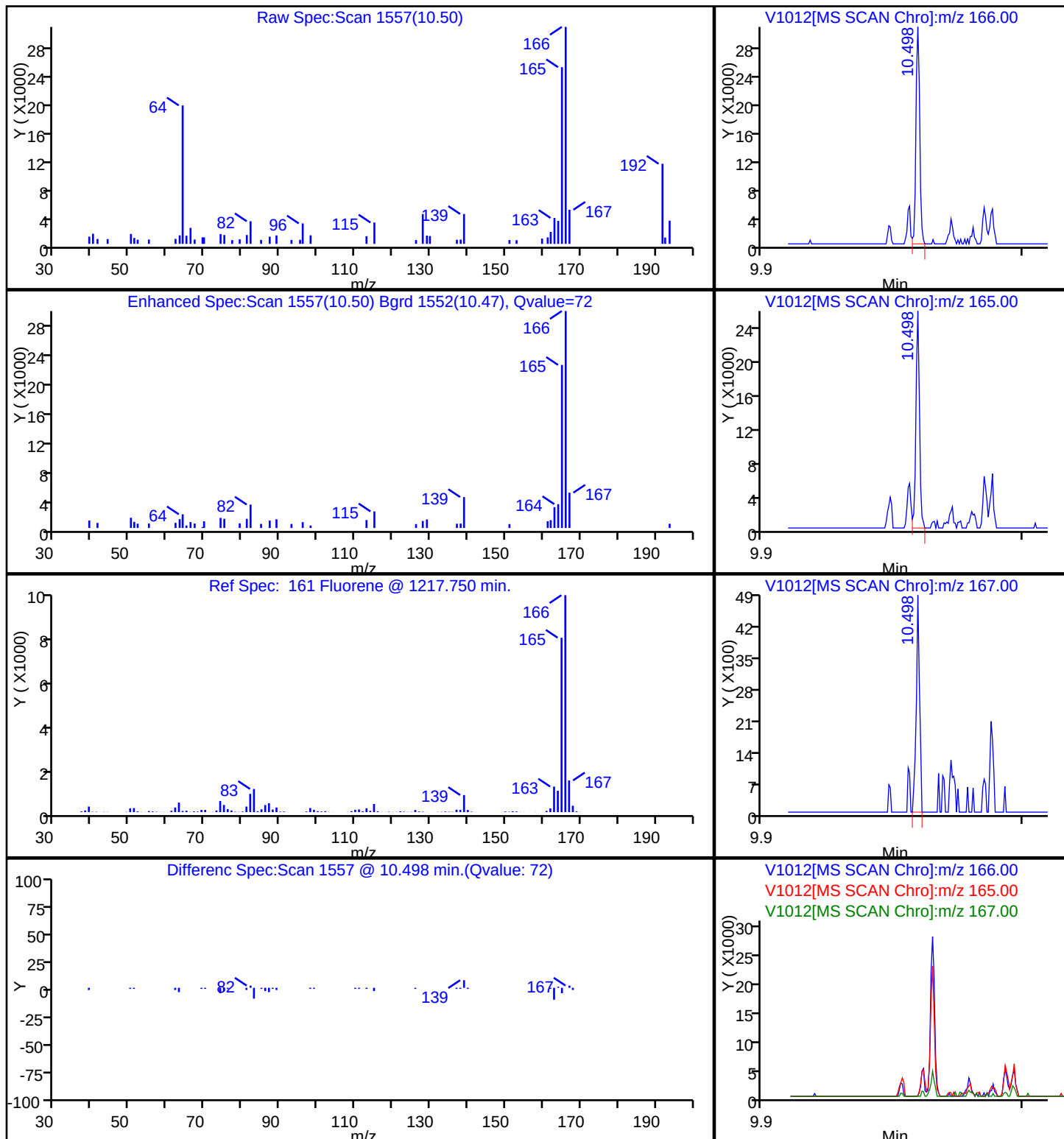
Operator ID: HL

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

161 Fluorene



Report Date: 29-May-2012 11:00:30

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973V\20120524-12193.b\V1012.D

Injection Date: 25-May-2012 06:27:30

Limit Group: MB - 8270C ICAL

Client ID: MW3DR

Instrument ID: HP5973V

Lims Batch ID: 65945

Lims Sample ID: 22

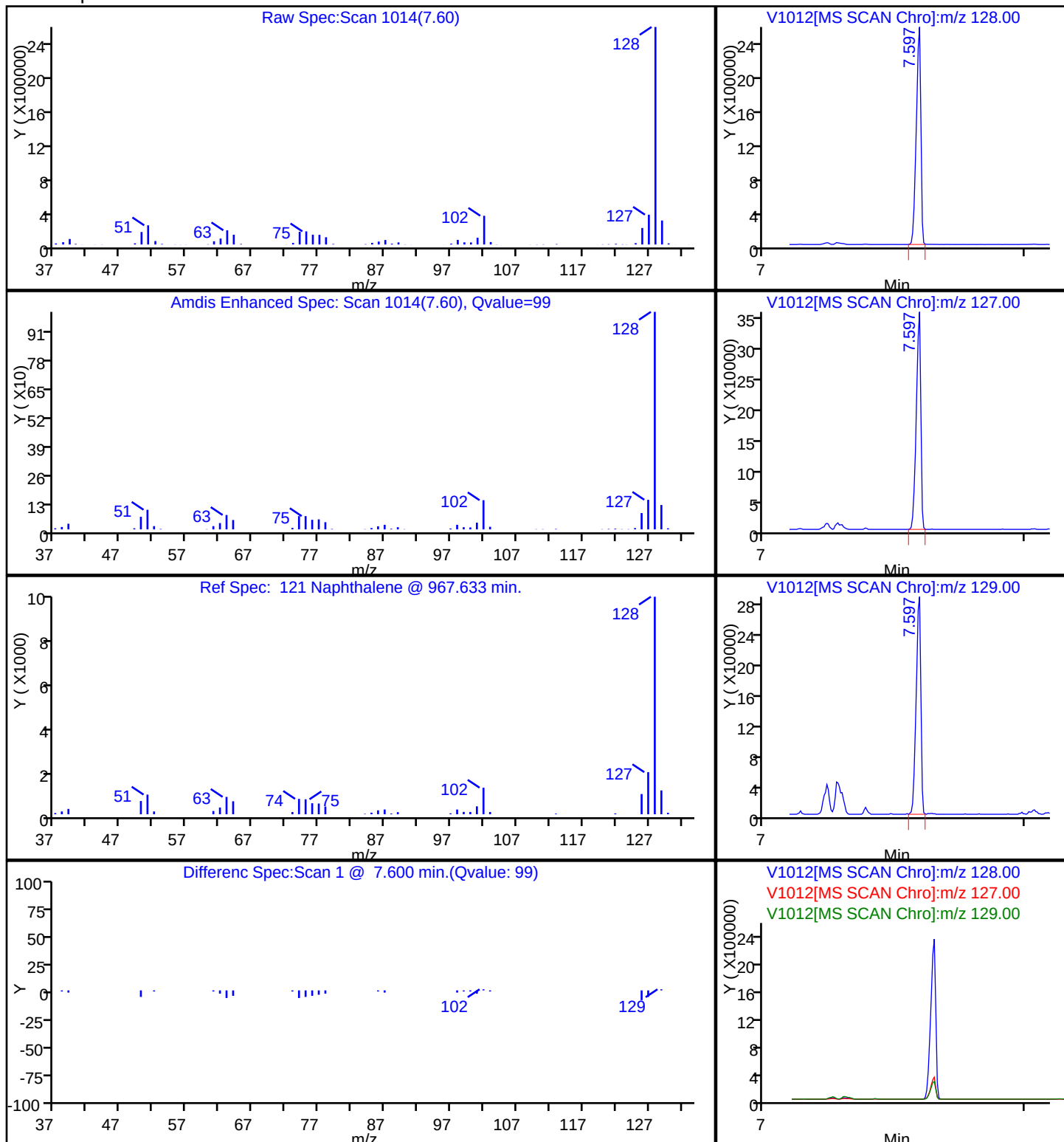
Operator ID: HL

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

121 Naphthalene



Report Date: 29-May-2012 11:00:31

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973V\20120524-12193.b\V1012.D

Injection Date: 25-May-2012 06:27:30

Limit Group: MB - 8270C ICAL

Client ID: MW3DR

Instrument ID: HP5973V

Lims Batch ID: 65945

Lims Sample ID: 22

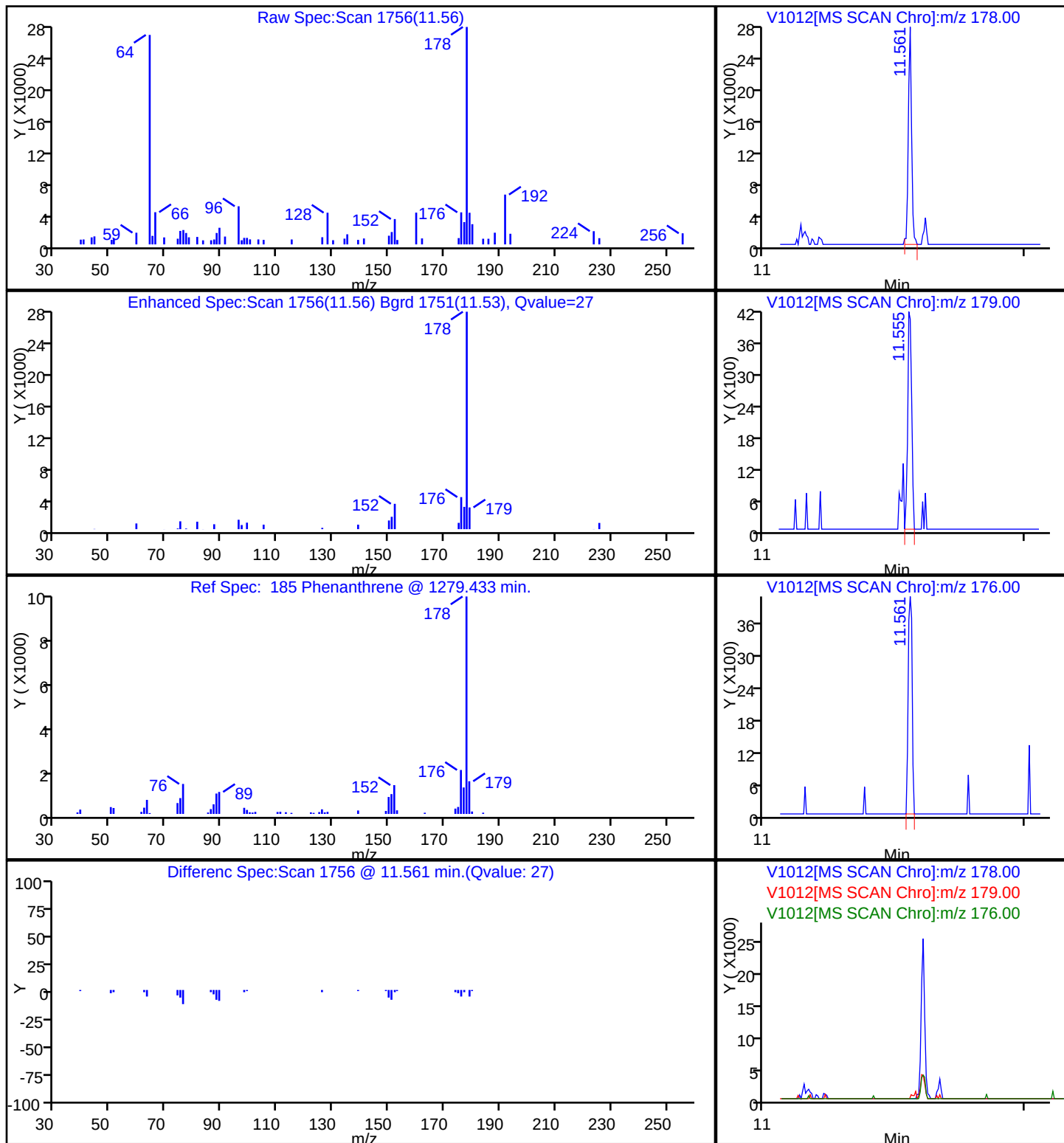
Operator ID: HL

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

185 Phenanthrene



Report Date: 29-May-2012 11:00:30

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

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Injection Date: 25-May-2012 06:27:30

Limit Group: MB - 8270C ICAL

Client ID: MW3DR

Instrument ID: HP5973V

Lims Batch ID: 65945

Lims Sample ID: 22

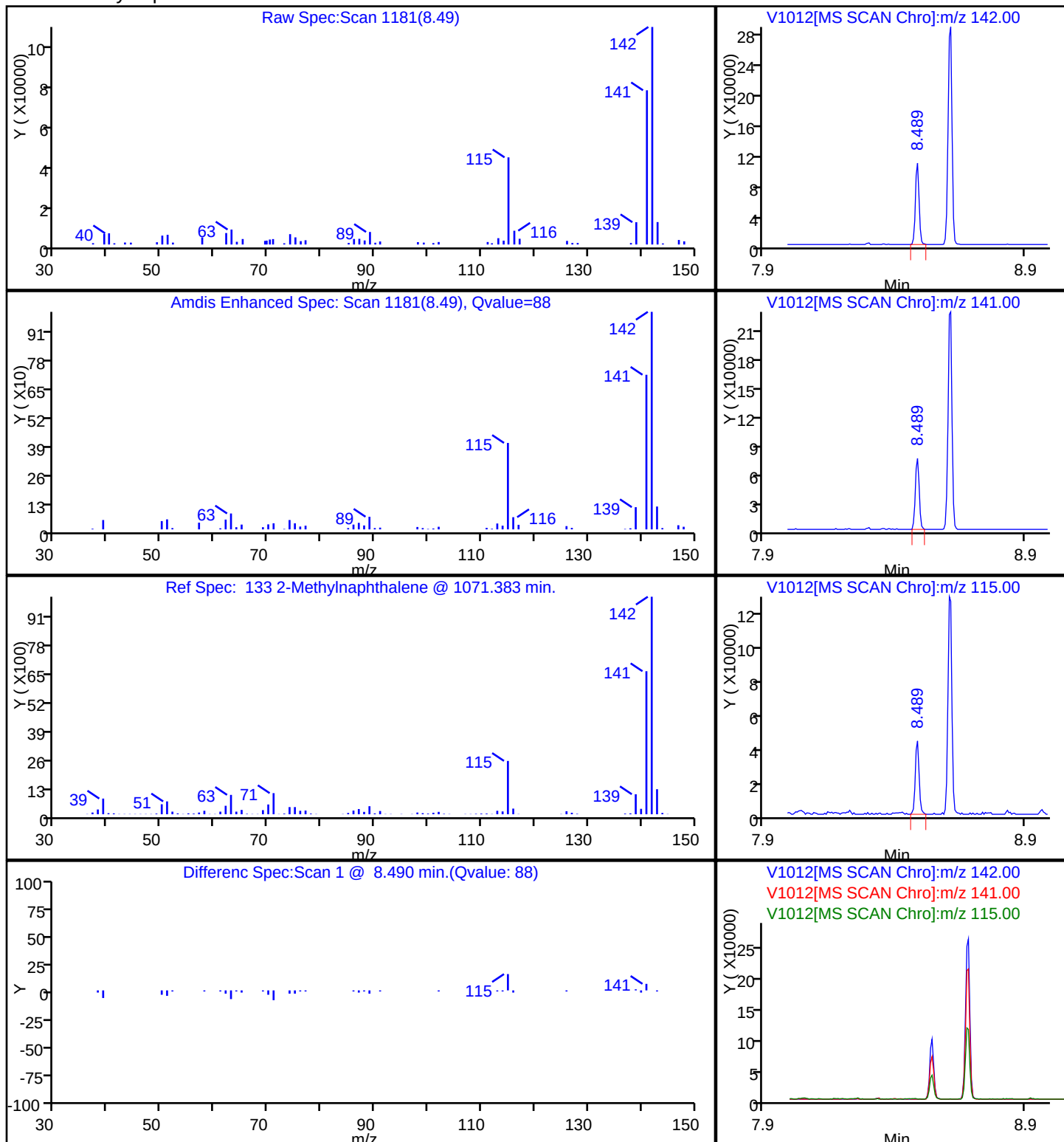
Operator ID: HL

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

133 2-Methylnaphthalene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1

SDG No.: _____

Client Sample ID: MW3DR DL Lab Sample ID: 480-20186-3 DL

Matrix: Water Lab File ID: V1037.D

Analysis Method: 8270C Date Collected: 05/15/2012 11:05

Extract. Method: 3510C Date Extracted: 05/18/2012 13:56

Sample wt/vol: 1000 (mL) Date Analyzed: 05/25/2012 15:54

Con. Extract Vol.: 1 (mL) Dilution Factor: 10

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

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 66043 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	25	J	50	4.1
208-96-8	Acenaphthylene	ND		50	3.8
120-12-7	Anthracene	ND		50	2.8
56-55-3	Benz(a)anthracene	ND		50	3.6
50-32-8	Benzo(a)pyrene	ND	*	50	4.7
205-99-2	Benzo(b)fluoranthene	ND	*	50	3.4
191-24-2	Benzo(g,h,i)perylene	ND		50	3.5
207-08-9	Benzo(k)fluoranthene	ND	*	50	7.3
218-01-9	Chrysene	ND		50	3.3
53-70-3	Dibenz(a,h)anthracene	ND		50	4.2
206-44-0	Fluoranthene	ND		50	4.0
86-73-7	Fluorene	4.1	J	50	3.6
193-39-5	Indeno(1,2,3-c,d)pyrene	ND		50	4.7
91-20-3	Naphthalene	470		50	7.6
85-01-8	Phenanthrene	ND		50	4.4
129-00-0	Pyrene	ND		50	3.4
91-57-6	2-Methylnaphthalene	63		50	6.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	75		46-120
321-60-8	2-Fluorobiphenyl	88		48-120
1718-51-0	p-Terphenyl-d14	74		67-150

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20120525-12217.b\V1037.D
 Lims ID: 480-20186-A-3-A Client ID: MW3DR
 Inject. Date: 25-May-2012 15:54:30 Dil. Factor: 10.0000
 Sample Type: Client
 Sample ID: 480-0012217-011
 Misc. Info.: DMC
 Operator: ANM Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 12
 Lims Batch ID: 66043 Lims Sample ID: 11
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20120525-12217.b\V-8270.m
 Last Update: 30-May-2012 09:15:39 Calib Date: 18-May-2012 18:10:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0750.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

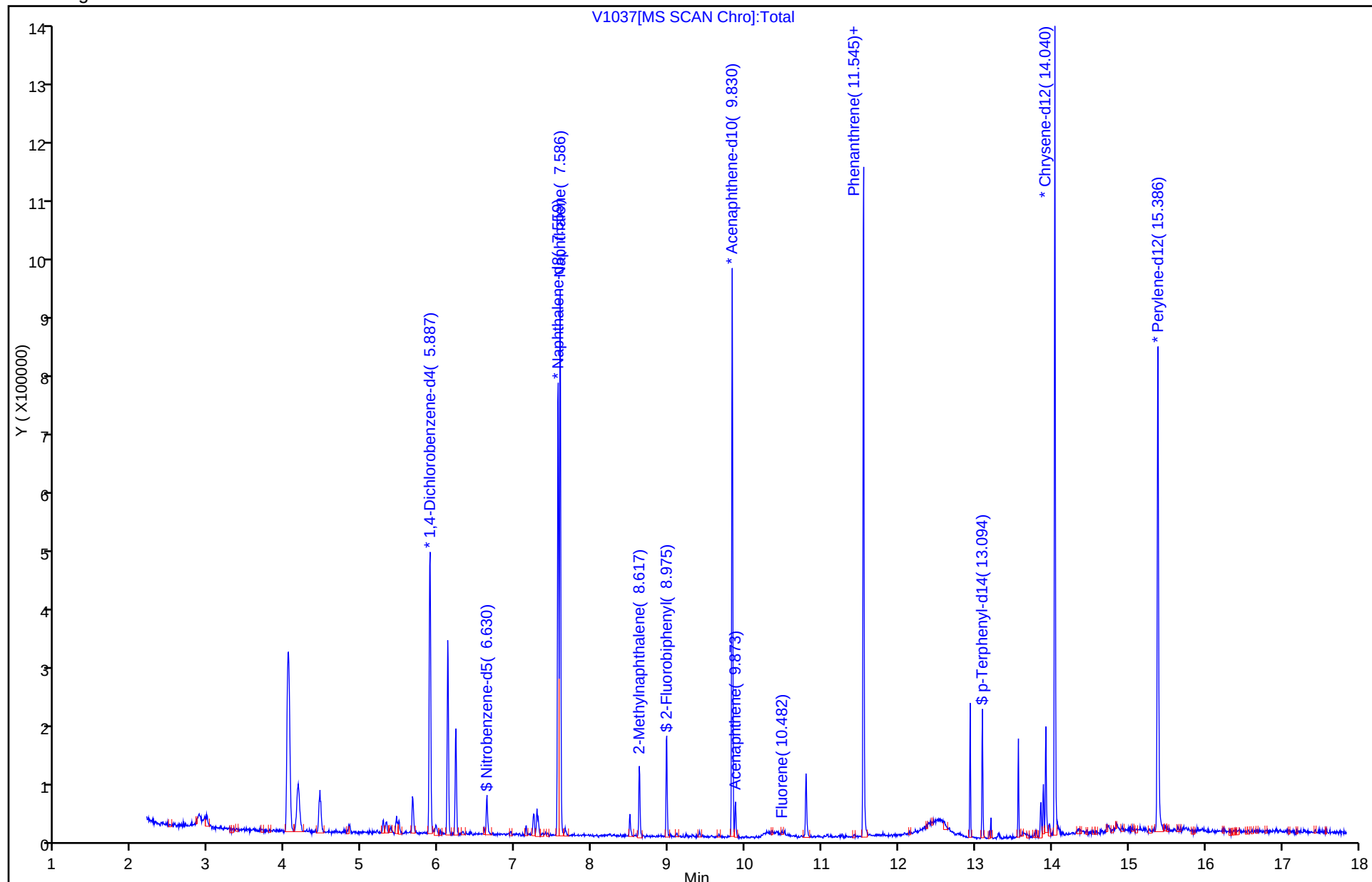
First Level Reviewer: lyh

Date: 30-May-2012 09:15:39

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.887	5.887	0.0	96	98093	40.0	
* 2 Naphthalene-d8	136	7.559	7.559	0.0	99	377273	40.0	
* 3 Acenaphthene-d10	164	9.830	9.830	0.0	87	259204	40.0	
* 4 Phenanthrene-d10	188	11.545	11.545	0.0	97	435240	40.0	
* 5 Chrysene-d12	240	14.040	14.045	-0.005	97	474088	40.0	
* 6 Perylene-d12	264	15.386	15.391	-0.005	98	420626	40.0	
\$ 11 Nitrobenzene-d5	82	6.630	6.624	0.006	63	26878	7.47	
\$ 12 2-Fluorobiphenyl	172	8.975	8.975	0.0	90	65702	8.75	
\$ 14 p-Terphenyl-d14	244	13.094	13.099	-0.005	89	72178	7.43	
121 Naphthalene	128	7.586	7.591	-0.005	96	452074	47.1	
133 2-Methylnaphthalene	142	8.617	8.494	0.123	81	42119	6.33	
149 Acenaphthylene	152		9.653					
151 Acenaphthene	153	9.873	9.878	-0.005	73	15900	2.53	
161 Fluorene	166	10.514	10.508	0.006	1	3295	0.4123	
185 Phenanthrene	178	11.566	11.577	-0.011	1	2886	0.2439	
188 Anthracene	178		11.630					
197 Fluoranthene	202		12.752					
199 Pyrene	202		12.966					
209 Benzo[a]anthracene	228		14.039					
211 Chrysene	228		14.071					
213 Benzo[b]fluoranthene	252		15.012					
214 Benzo[k]fluoranthene	252		15.038					
217 Benzo[a]pyrene	252		15.343					
219 Indeno[1,2,3-cd]pyrene	276		16.614					
220 Dibenzo(a,h)anthracene	278		16.620					
221 Benzo[g,h,i]perylene	276		16.962					

Report Date: 30-May-2012 09:15:39
Data File: \\Bufchrom\ChromData\HP5973V\20120525-12217.b\V1037.D
Injection Date: 25-May-2012 15:54:30
Client ID: MW3DR
Lims Batch ID: 66043
Operator ID: ANM
Column Type: RXI-5Sil MS
Y Scaling:

Chrom Revision: 2.0 20-Feb-2012 13:27:02
Limit Group: MB - 8270C ICAL
Instrument ID: HP5973V
Lims Sample ID: 11
Injection Vol: 1.00 ul
Column Dia: 0.25 mm



Data File:

\\Bufchrom\ChromData\HP5973V\20120525-12217.b\V1037.D

Injection Date: 25-May-2012 15:54:30

Limit Group: MB - 8270C ICAL

Client ID: MW3DR

Instrument ID: HP5973V

Lims Batch ID: 66043

Lims Sample ID: 11

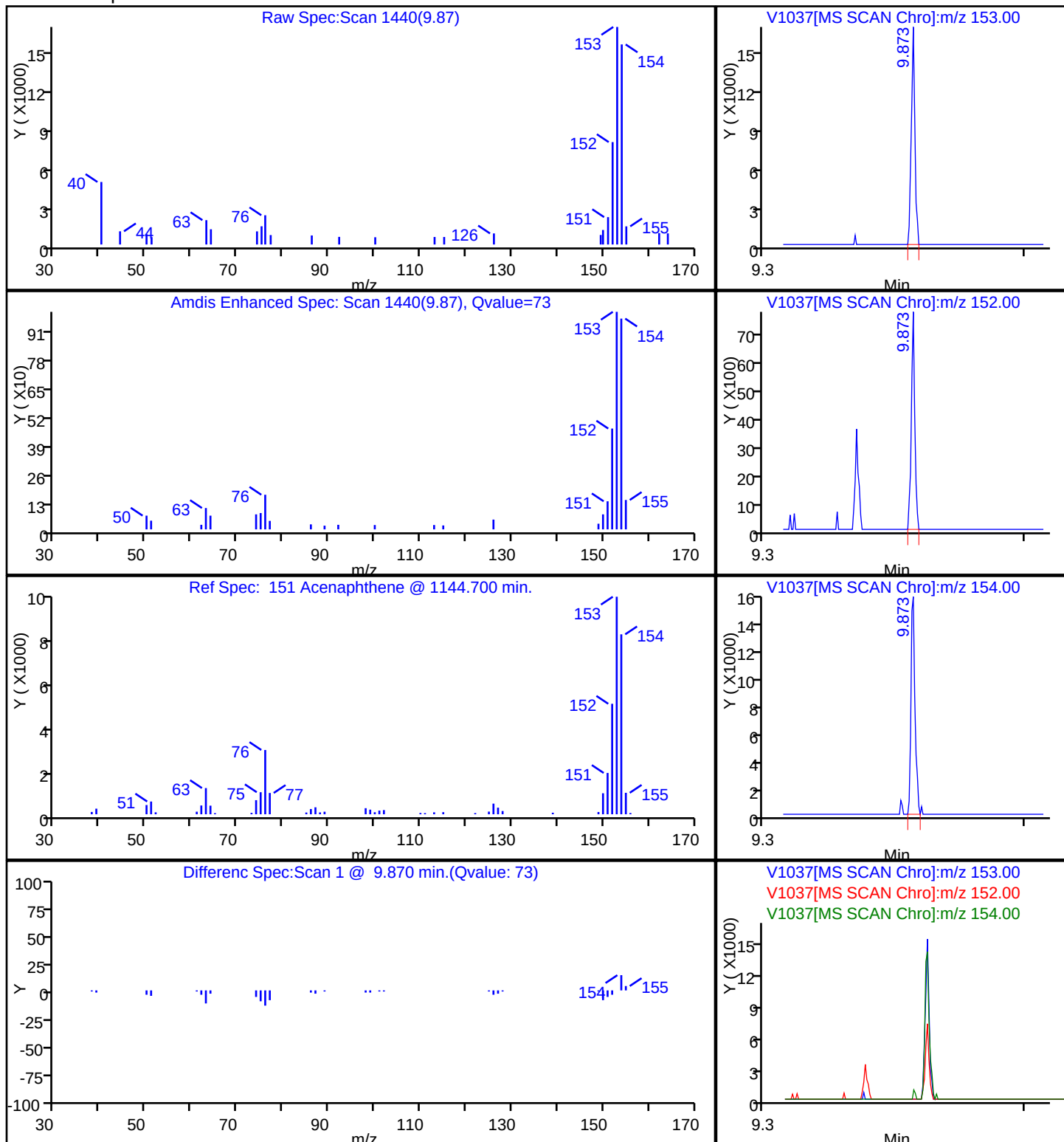
Operator ID: ANM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

151 Acenaphthene



Data File:

\\Bufchrom\ChromData\HP5973V\20120525-12217.b\V1037.D

Injection Date: 25-May-2012 15:54:30

Limit Group: MB - 8270C ICAL

Client ID: MW3DR

Instrument ID: HP5973V

Lims Batch ID: 66043

Lims Sample ID: 11

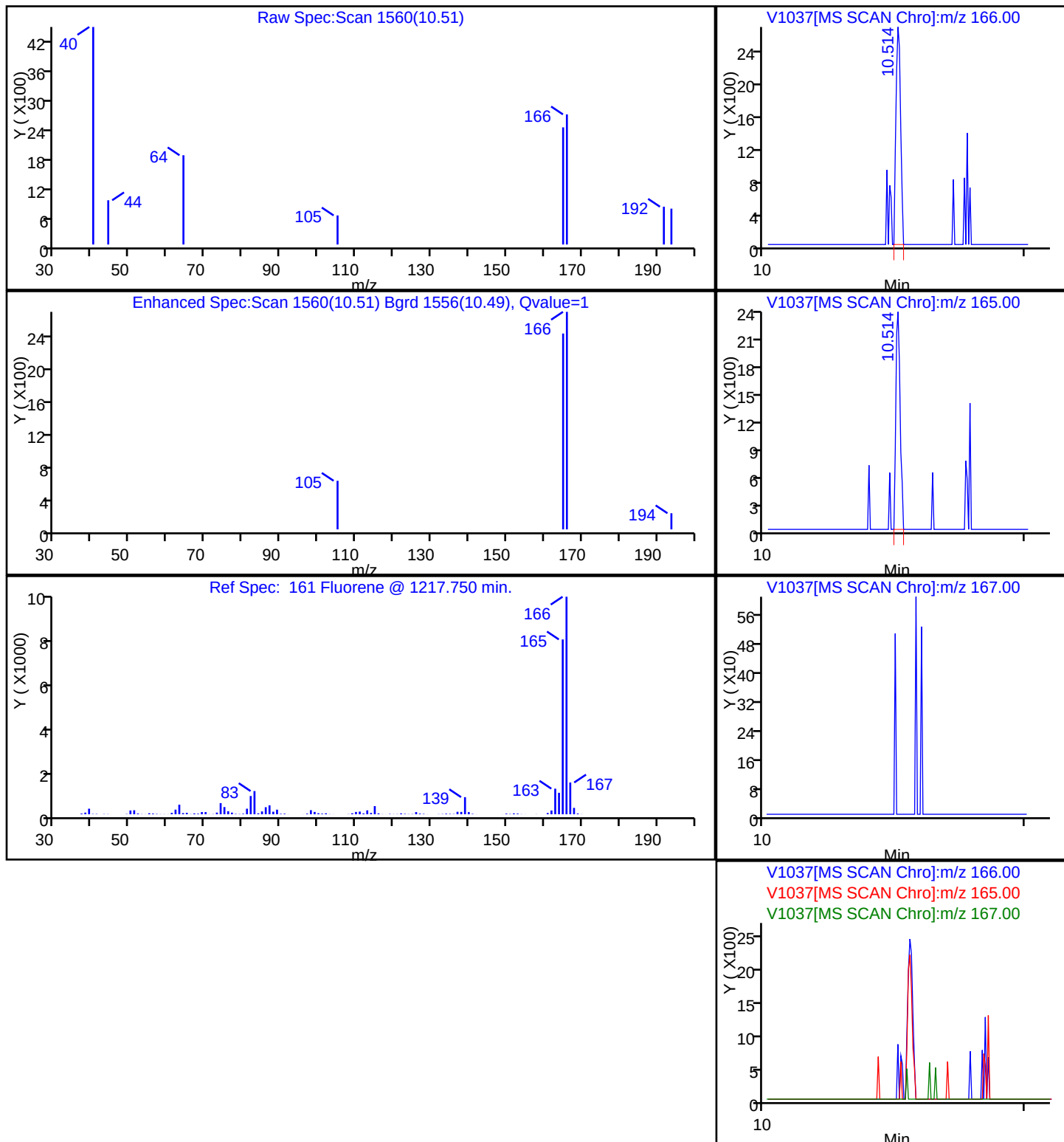
Operator ID: ANM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

161 Fluorene



Report Date: 30-May-2012 09:15:39

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973V\20120525-12217.b\V1037.D

Injection Date: 25-May-2012 15:54:30

Limit Group: MB - 8270C ICAL

Client ID: MW3DR

Instrument ID: HP5973V

Lims Batch ID: 66043

Lims Sample ID: 11

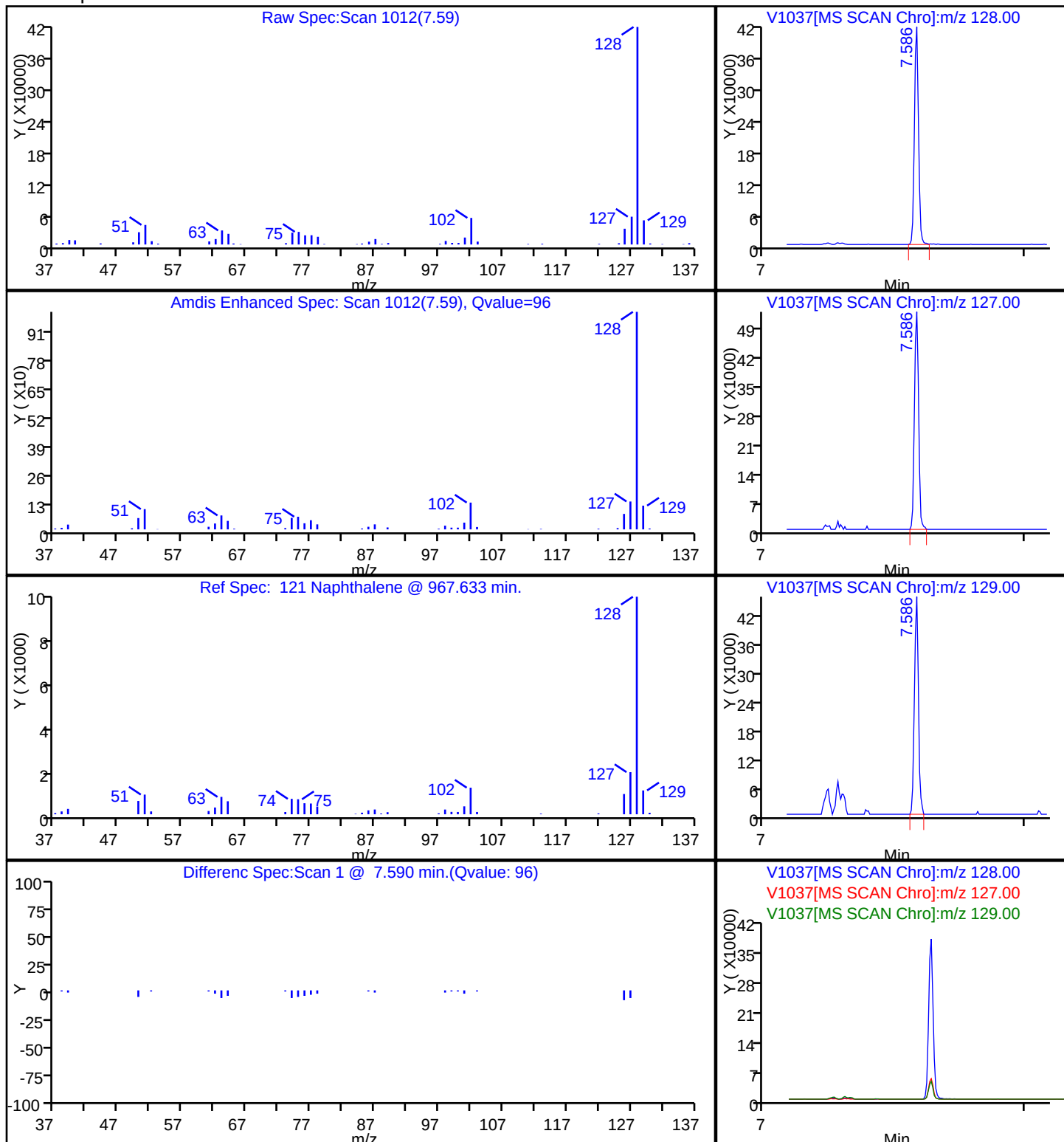
Operator ID: ANM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

121 Naphthalene



Report Date: 30-May-2012 09:15:39

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973V\20120525-12217.b\V1037.D

Injection Date: 25-May-2012 15:54:30

Limit Group: MB - 8270C ICAL

Client ID: MW3DR

Instrument ID: HP5973V

Lims Batch ID: 66043

Lims Sample ID: 11

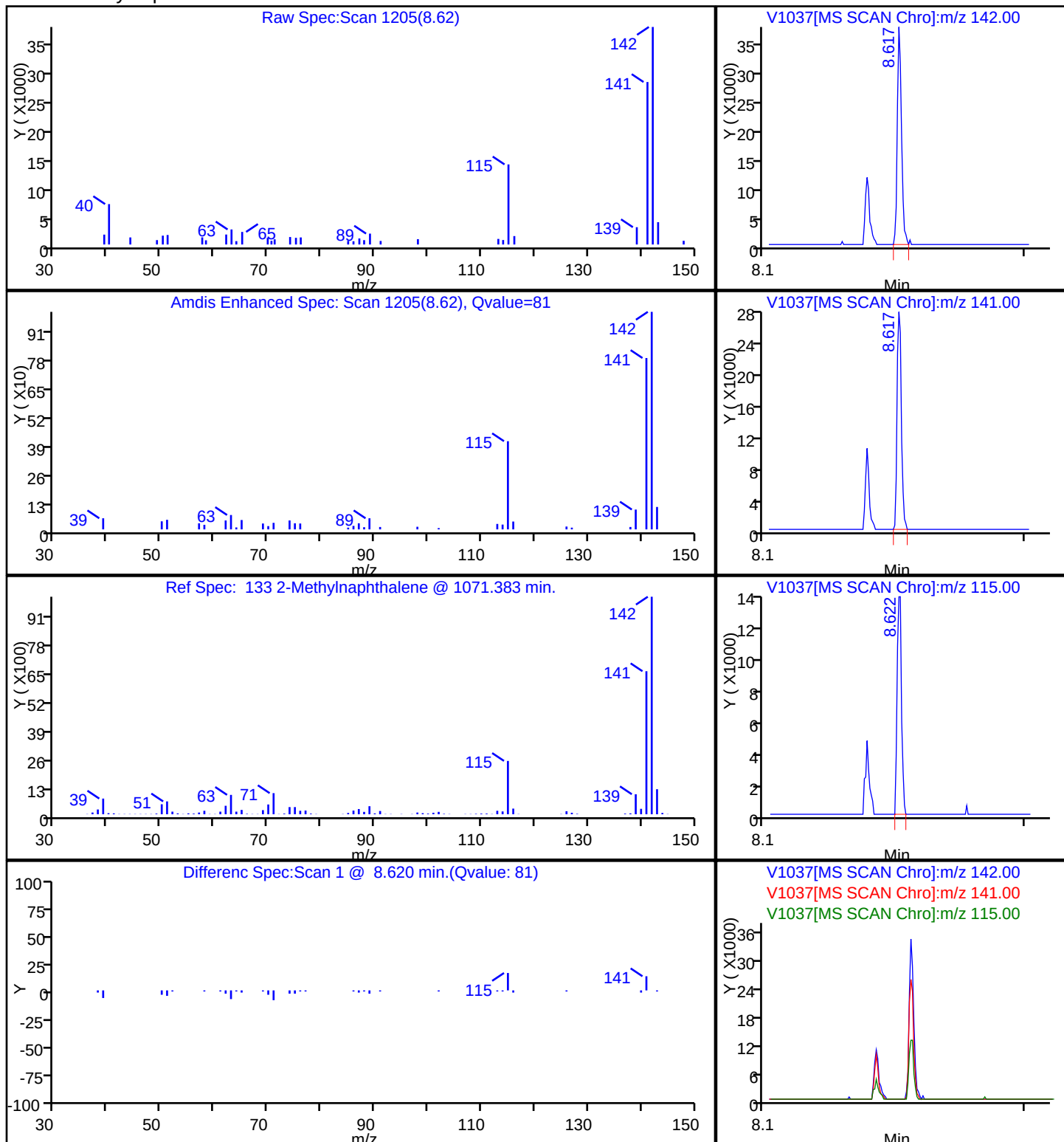
Operator ID: ANM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

133 2-Methylnaphthalene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
 SDG No.: _____
 Client Sample ID: MW3DR DUP Lab Sample ID: 480-20186-4
 Matrix: Water Lab File ID: V1013.D
 Analysis Method: 8270C Date Collected: 05/15/2012 11:05
 Extract. Method: 3510C Date Extracted: 05/18/2012 13:56
 Sample wt/vol: 1060 (mL) Date Analyzed: 05/25/2012 06:51
 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.: 65945 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	28		4.7	0.39
208-96-8	Acenaphthylene	4.5	J	4.7	0.36
120-12-7	Anthracene	0.48	J	4.7	0.26
56-55-3	Benz (a) anthracene	ND		4.7	0.34
50-32-8	Benzo (a) pyrene	ND	*	4.7	0.44
205-99-2	Benzo (b) fluoranthene	ND	*	4.7	0.32
191-24-2	Benzo (g, h, i) perylene	ND		4.7	0.33
207-08-9	Benzo (k) fluoranthene	ND	*	4.7	0.69
218-01-9	Chrysene	ND		4.7	0.31
53-70-3	Dibenz (a, h) anthracene	ND		4.7	0.40
206-44-0	Fluoranthene	ND		4.7	0.38
86-73-7	Fluorene	5.4		4.7	0.34
193-39-5	Indeno (1, 2, 3-c, d) pyrene	ND		4.7	0.44
91-20-3	Naphthalene	500	E	4.7	0.72
85-01-8	Phenanthrene	3.3	J	4.7	0.42
129-00-0	Pyrene	ND		4.7	0.32
91-57-6	2-Methylnaphthalene	22		4.7	0.57

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	88		46-120
321-60-8	2-Fluorobiphenyl	95		48-120
1718-51-0	p-Terphenyl-d14	73		67-150

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20120524-12193.b\V1013.D
 Lims ID: 480-20186-B-4-A Client ID: MW3DR DUP
 Inject. Date: 25-May-2012 06:51:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-0012193-023
 Misc. Info.: 480-20186-B-4-A
 Operator: HL Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 60
 Lims Batch ID: 65945 Lims Sample ID: 23
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20120524-12193.b\V-8270.m
 Last Update: 29-May-2012 10:54:58 Calib Date: 18-May-2012 18:10:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0750.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: lyh

Date: 29-May-2012 11:01:11

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.887	5.887	0.0	96	72852	40.0	
* 2 Naphthalene-d8	136	7.559	7.559	0.0	99	276124	40.0	
* 3 Acenaphthene-d10	164	9.824	9.824	0.0	89	184934	40.0	
* 4 Phenanthrene-d10	188	11.534	11.534	0.0	96	320138	40.0	
* 5 Chrysene-d12	240	14.029	14.023	0.006	97	372141	40.0	
* 6 Perylene-d12	264	15.359	15.359	0.0	98	213891	40.0	
\$ 11 Nitrobenzene-d5	82	6.624	6.624	0.0	90	232429	88.2	
\$ 12 2-Fluorobiphenyl	172	8.970	8.970	0.0	99	511716	95.5	
\$ 14 p-Terphenyl-d14	244	13.083	13.083	0.0	97	557269	73.1	
121 Naphthalene	128	7.597	7.586	0.011	98	3698711	526.9	E
133 2-Methylnaphthalene	142	8.489	8.489	0.0	91	115728	23.8	
149 Acenaphthylene	152	9.643	9.648	-0.005	90	35081	4.80	
151 Acenaphthene	153	9.867	9.872	-0.005	91	131203	29.2	
161 Fluorene	166	10.498	10.503	-0.005	85	32398	5.68	
185 Phenanthrene	178	11.561	11.566	-0.005	81	30004	3.45	
188 Anthracene	178	11.619	11.619	0.0	1	4482	0.5063	
197 Fluoranthene	202		12.736					
199 Pyrene	202		12.950					
209 Benzo[a]anthracene	228	14.023	14.023	0.005	1	2110	0.1977	
211 Chrysene	228		14.055					
213 Benzo[b]fluoranthene	252		14.985					
214 Benzo[k]fluoranthene	252		15.012					
217 Benzo[a]pyrene	252		15.311					
219 Indeno[1,2,3-cd]pyrene	276		16.561					
220 Dibenz(a,h)anthracene	278		16.566					
221 Benzo[g,h,i]perylene	276		16.903					

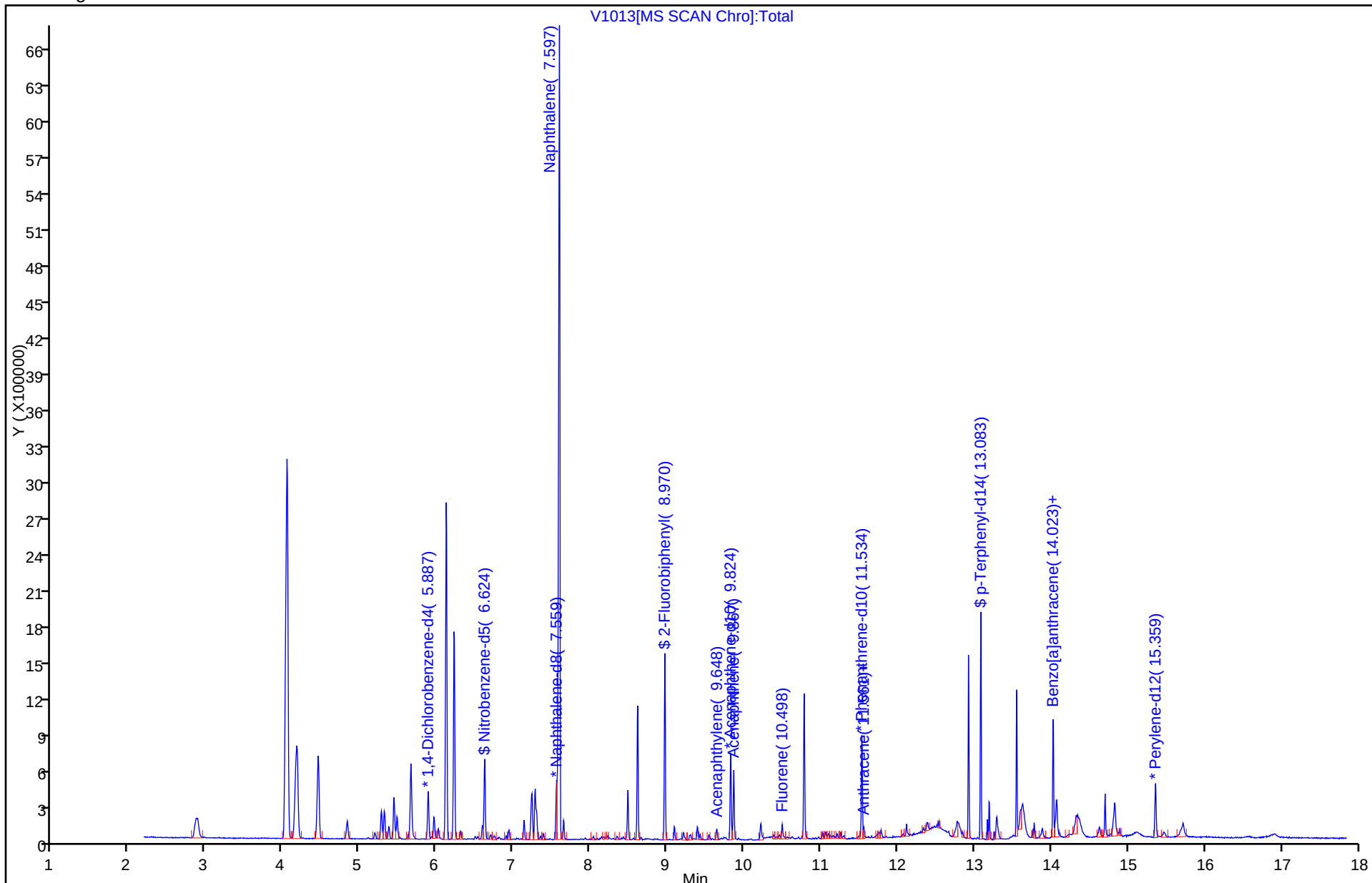
QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Report Date: 29-May-2012 11:01:12
Data File: \\Bufchrom\ChromData\HP5973V\20120524-12193.b\V1013.D
Injection Date: 25-May-2012 06:51:30
Client ID: MW3DR DUP
Lims Batch ID: 65945
Operator ID: HL
Column Type: RXI-5Sil MS
Y Scaling:

Chrom Revision: 2.0 20-Feb-2012 13:27:02
Limit Group: MB - 8270C ICAL
Instrument ID: HP5973V
Lims Sample ID: 23
Injection Vol: 1.00 ul
Column Dia: 0.25 mm



Data File: \\Bufchrom\ChromData\HP5973V\20120524-12193.b\V1013.D

Injection Date: 25-May-2012 06:51:30

Limit Group: MB - 8270C ICAL

Client ID: MW3DR DUP

Instrument ID: HP5973V

Lims Batch ID: 65945

Lims Sample ID: 23

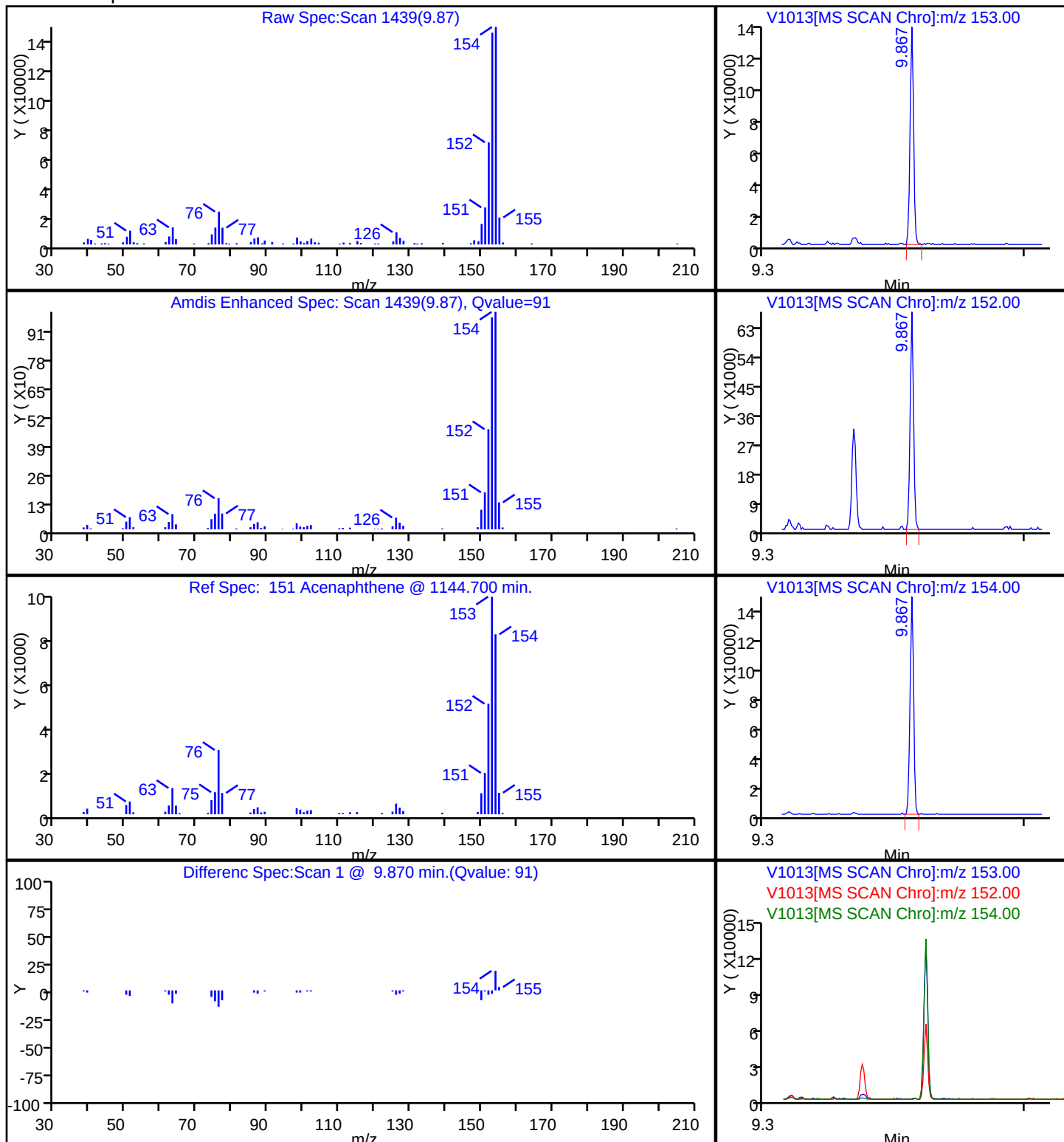
Operator ID: HL

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

151 Acenaphthene



Report Date: 29-May-2012 11:01:12

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973V\20120524-12193.b\1013.D

Injection Date: 25-May-2012 06:51:30

Limit Group: MB - 8270C ICAL

Client ID: MW3DR DUP

Instrument ID: HP5973V

Lims Batch ID: 65945

Lims Sample ID: 23

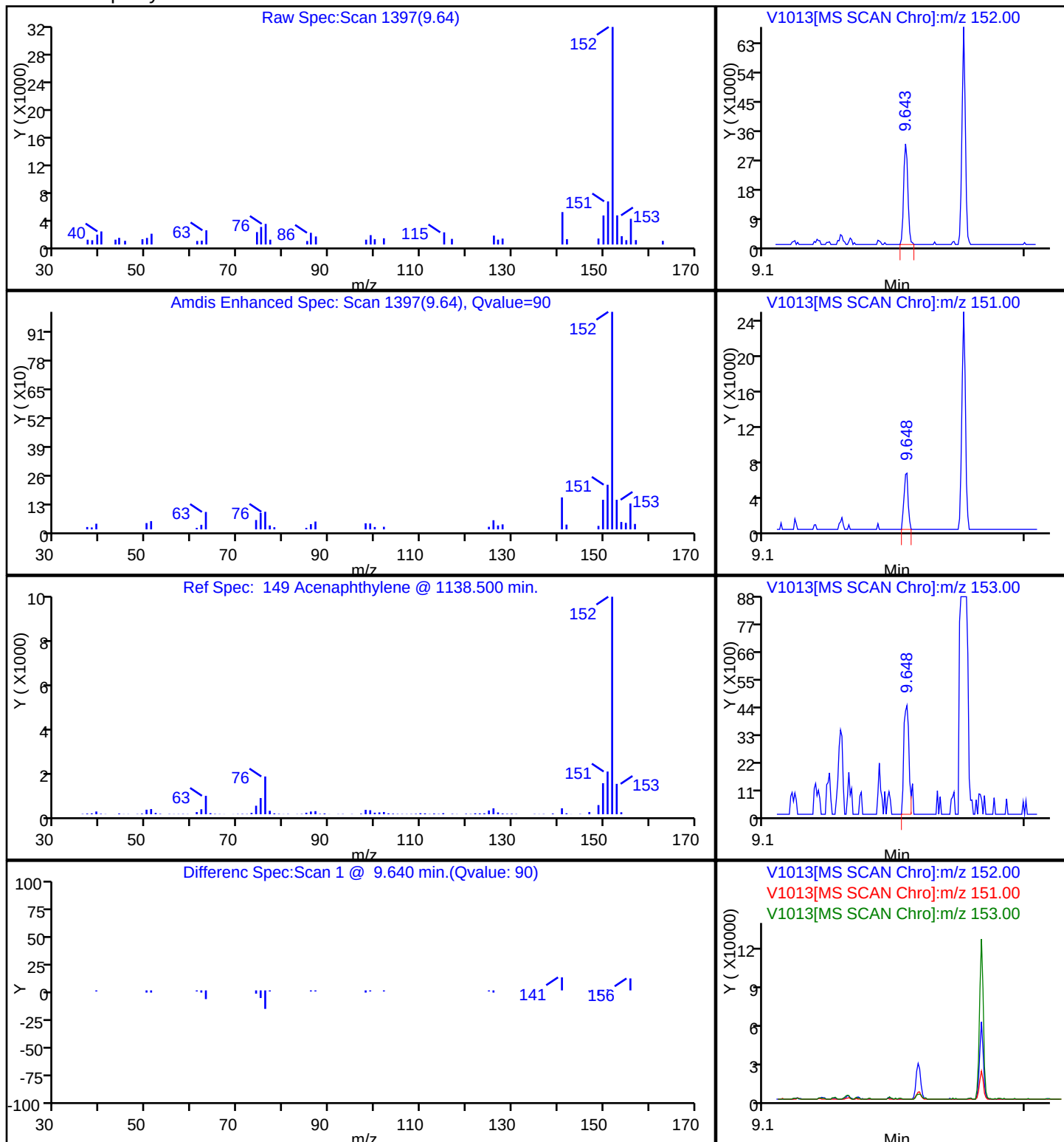
Operator ID: HL

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

149 Acenaphthylene



Data File:

\\Bufchrom\ChromData\HP5973V\20120524-12193.b\V1013.D

Injection Date: 25-May-2012 06:51:30

Limit Group: MB - 8270C ICAL

Client ID: MW3DR DUP

Instrument ID: HP5973V

Lims Batch ID: 65945

Lims Sample ID: 23

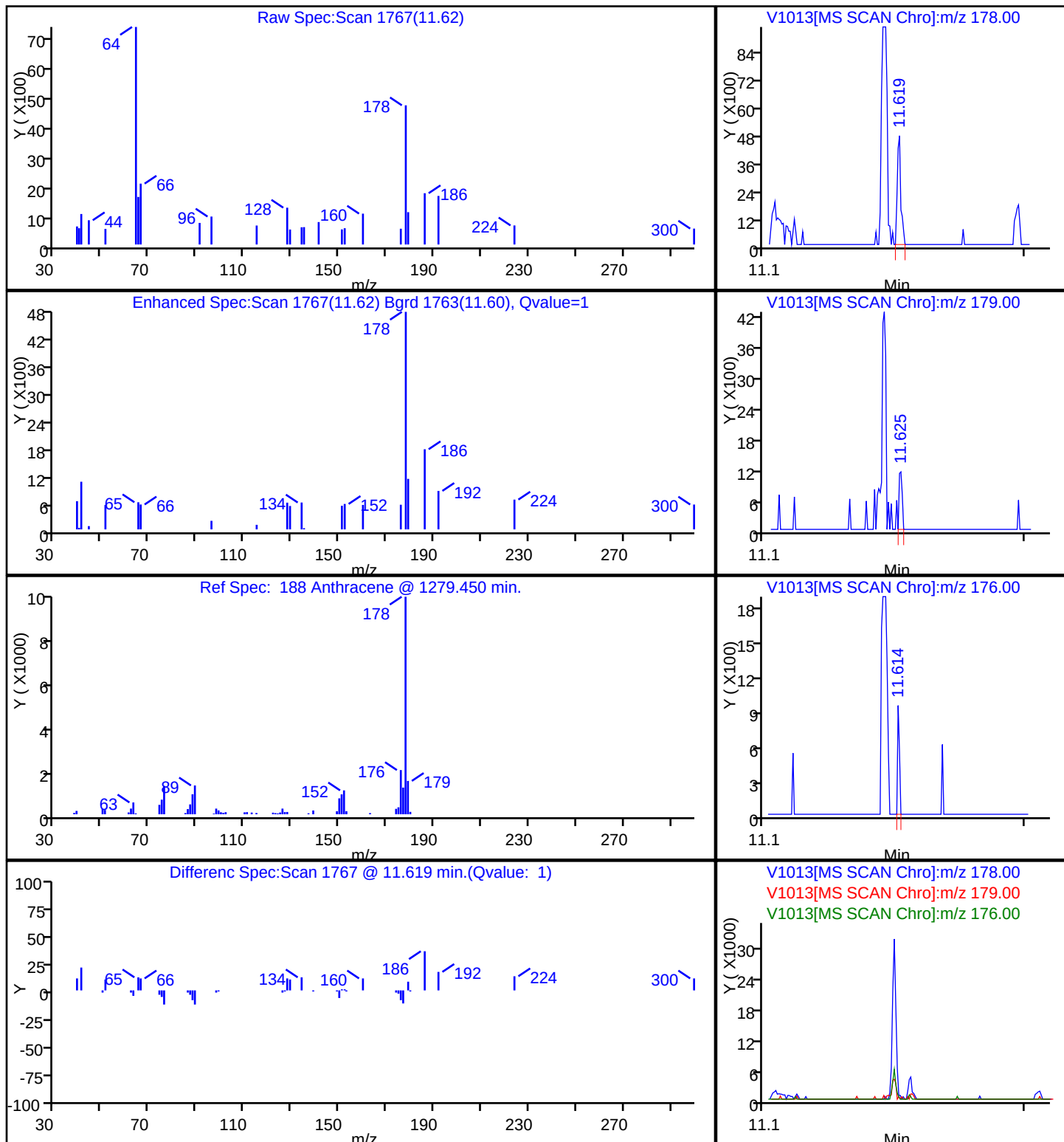
Operator ID: HL

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

188 Anthracene



Report Date: 29-May-2012 11:01:12

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120524-12193.b\V1013.D

Injection Date: 25-May-2012 06:51:30

Limit Group: MB - 8270C ICAL

Client ID: MW3DR DUP

Instrument ID: HP5973V

Lims Batch ID: 65945

Lims Sample ID: 23

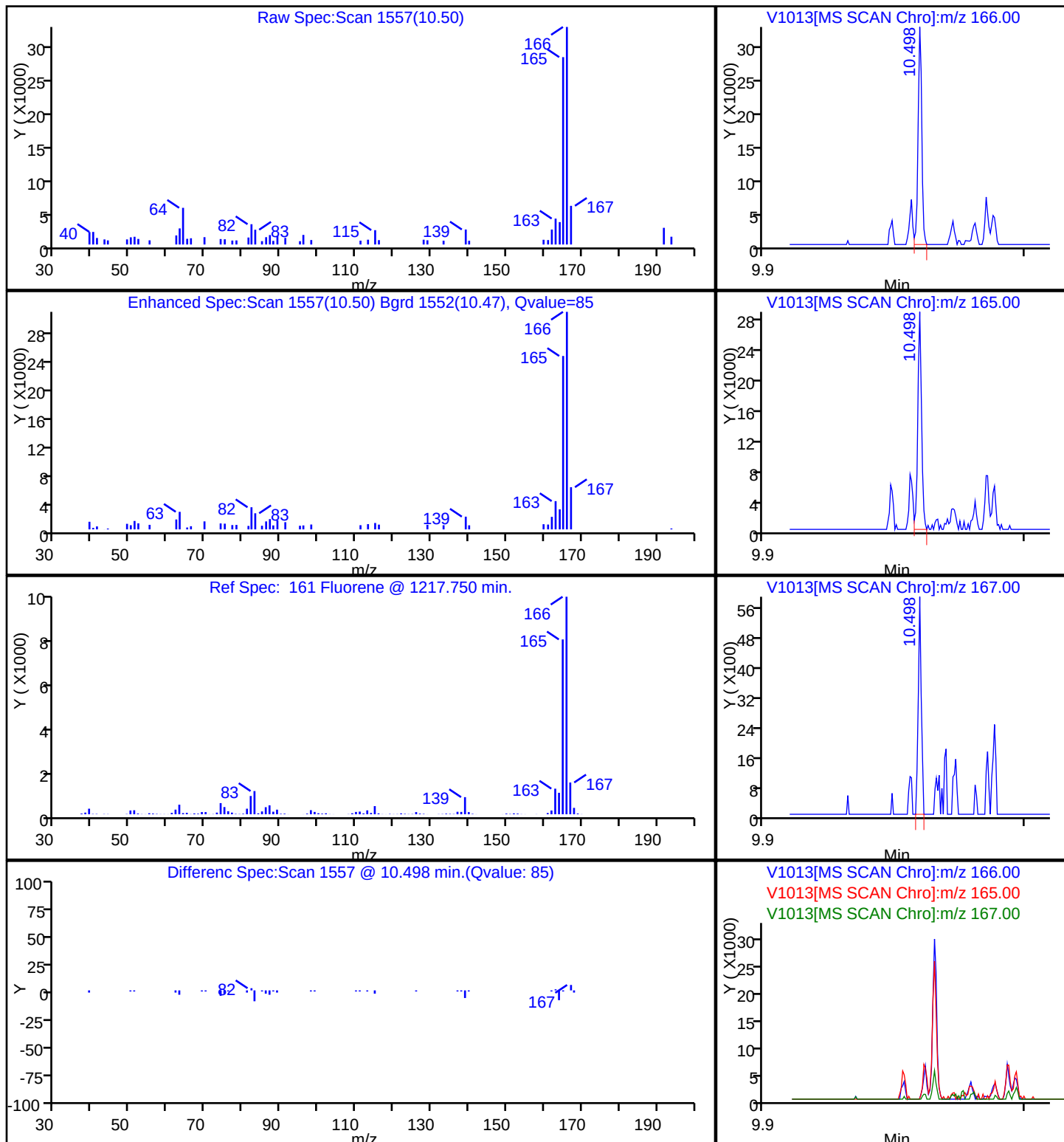
Operator ID: HL

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

161 Fluorene



Report Date: 29-May-2012 11:01:12

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973V\20120524-12193.b\V1013.D

Injection Date: 25-May-2012 06:51:30

Limit Group: MB - 8270C ICAL

Client ID: MW3DR DUP

Instrument ID: HP5973V

Lims Batch ID: 65945

Lims Sample ID: 23

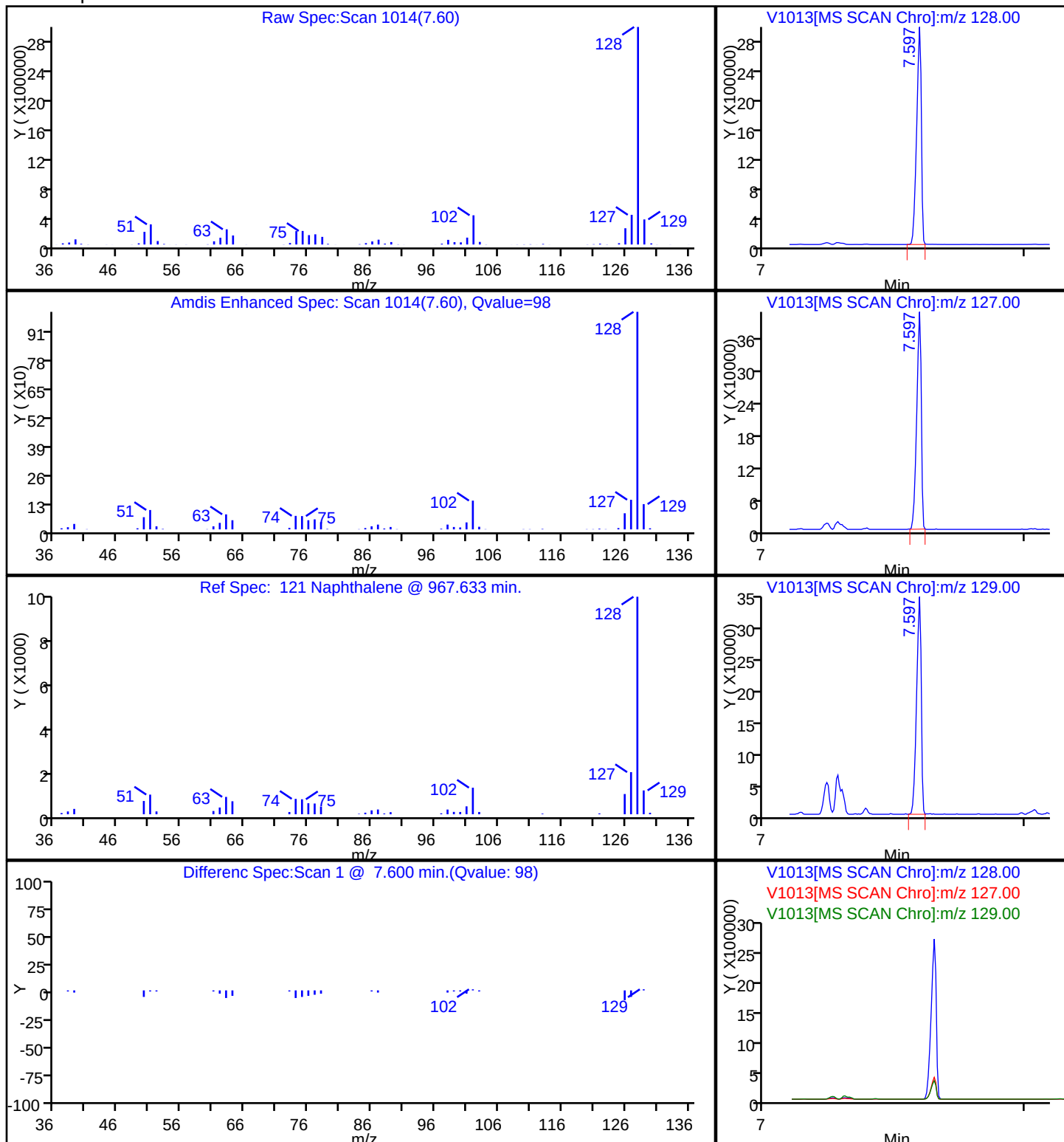
Operator ID: HL

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

121 Naphthalene



Report Date: 29-May-2012 11:01:12

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120524-12193.b\V1013.D

Injection Date: 25-May-2012 06:51:30

Limit Group: MB - 8270C ICAL

Client ID: MW3DR DUP

Instrument ID: HP5973V

Lims Batch ID: 65945

Lims Sample ID: 23

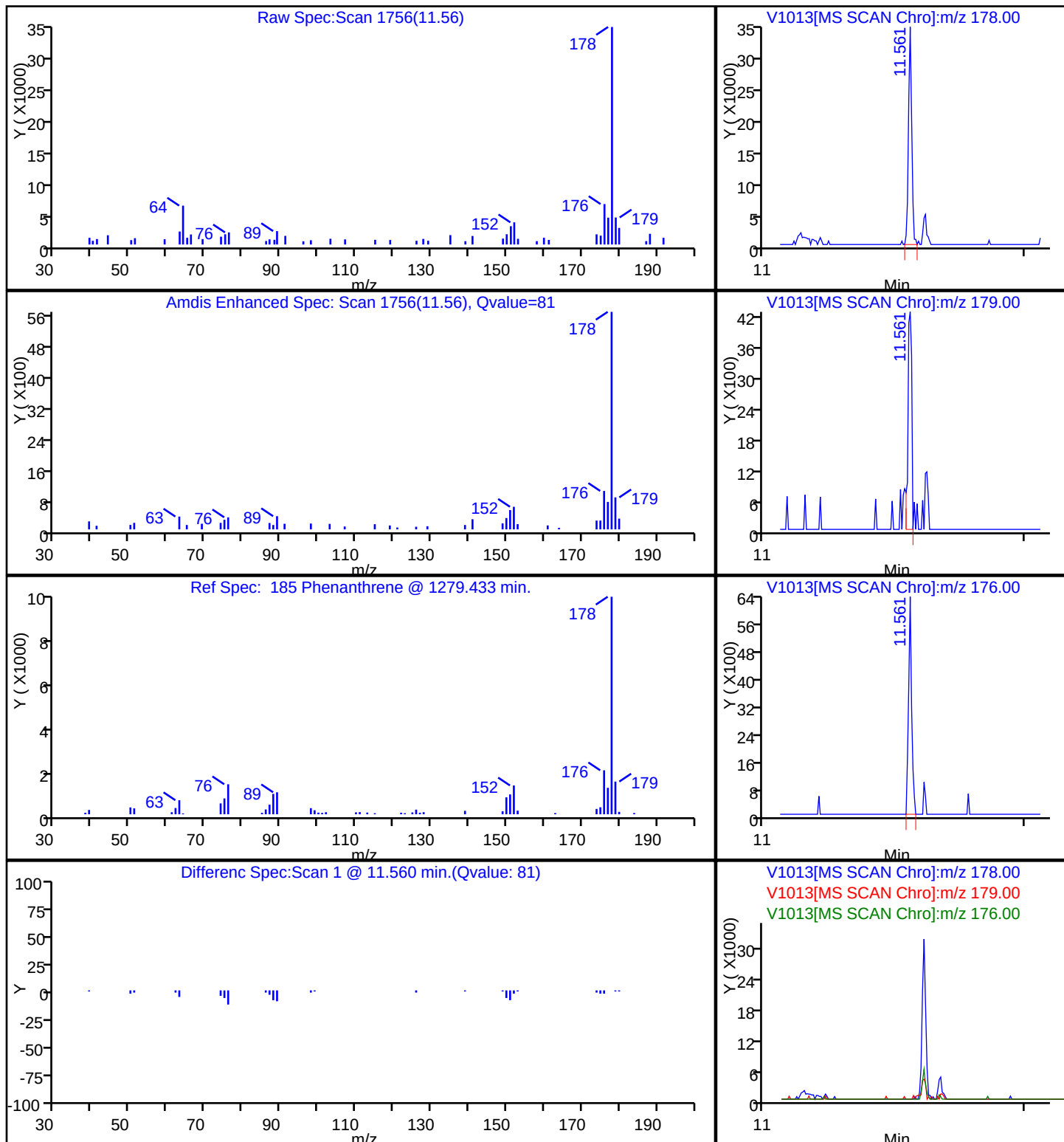
Operator ID: HL

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

185 Phenanthrene



Report Date: 29-May-2012 11:01:12

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

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Injection Date: 25-May-2012 06:51:30

Limit Group: MB - 8270C ICAL

Client ID: MW3DR DUP

Instrument ID: HP5973V

Lims Batch ID: 65945

Lims Sample ID: 23

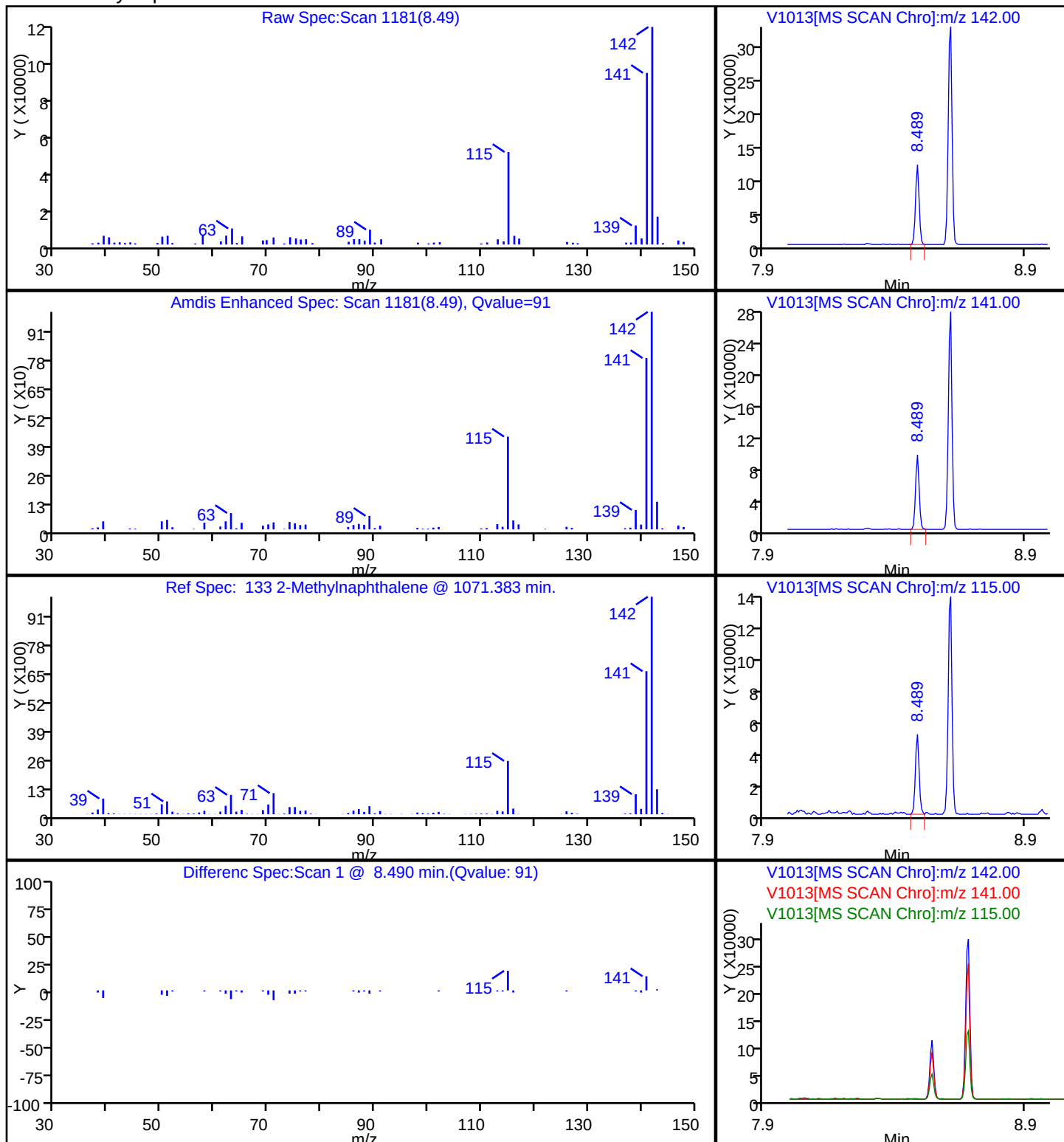
Operator ID: HL

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

133 2-Methylnaphthalene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1

SDG No.: _____

Client Sample ID: MW3DR DUP DL Lab Sample ID: 480-20186-4 DL

Matrix: Water Lab File ID: V1038.D

Analysis Method: 8270C Date Collected: 05/15/2012 11:05

Extract. Method: 3510C Date Extracted: 05/18/2012 13:56

Sample wt/vol: 1060 (mL) Date Analyzed: 05/25/2012 16:18

Con. Extract Vol.: 1 (mL) Dilution Factor: 10

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

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 66043 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	27	J	47	3.9
208-96-8	Acenaphthylene	4.1	J	47	3.6
120-12-7	Anthracene	ND		47	2.6
56-55-3	Benz(a)anthracene	ND		47	3.4
50-32-8	Benzo(a)pyrene	ND	*	47	4.4
205-99-2	Benzo(b)fluoranthene	ND	*	47	3.2
191-24-2	Benzo(g,h,i)perylene	ND		47	3.3
207-08-9	Benzo(k)fluoranthene	ND	*	47	6.9
218-01-9	Chrysene	ND		47	3.1
53-70-3	Dibenz(a,h)anthracene	ND		47	4.0
206-44-0	Fluoranthene	ND		47	3.8
86-73-7	Fluorene	4.5	J	47	3.4
193-39-5	Indeno(1,2,3-c,d)pyrene	ND		47	4.4
91-20-3	Naphthalene	510		47	7.2
85-01-8	Phenanthrene	ND		47	4.2
129-00-0	Pyrene	ND		47	3.2
91-57-6	2-Methylnaphthalene	20	J	47	5.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	77		46-120
321-60-8	2-Fluorobiphenyl	93		48-120
1718-51-0	p-Terphenyl-d14	71		67-150

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20120525-12217.b\V1038.D
 Lims ID: 480-20186-B-4-A Client ID: MW3DR DUP
 Inject. Date: 25-May-2012 16:18:30 Dil. Factor: 10.0000
 Sample Type: Client
 Sample ID: 480-0012217-012
 Misc. Info.: DMC
 Operator: ANM Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 13
 Lims Batch ID: 66043 Lims Sample ID: 12
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20120525-12217.b\V-8270.m
 Last Update: 30-May-2012 09:16:48 Calib Date: 18-May-2012 18:10:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0750.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

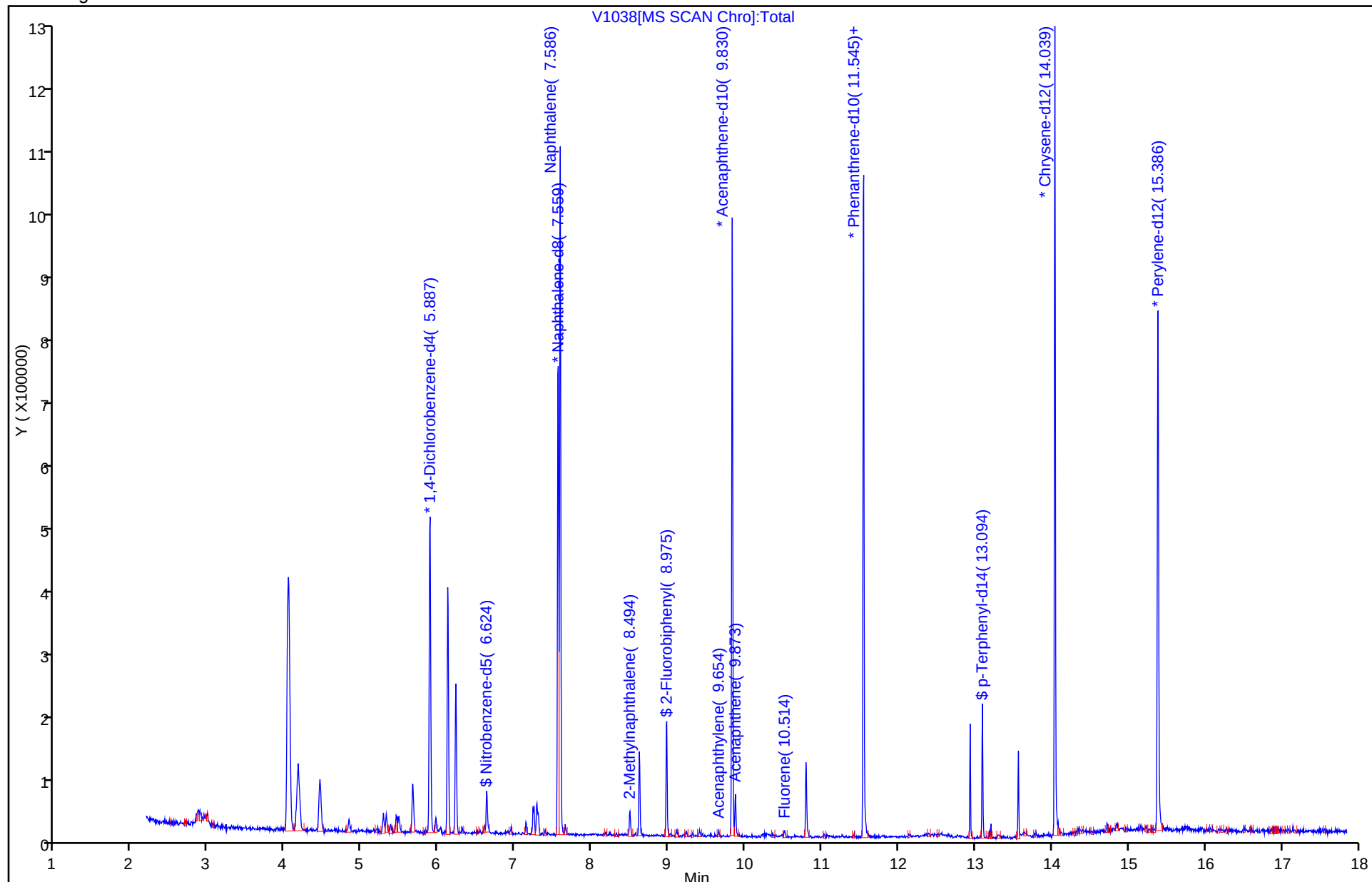
First Level Reviewer: lyh

Date: 30-May-2012 09:16:48

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.882	5.887	-0.005	96	95472	40.0	
* 2 Naphthalene-d8	136	7.559	7.559	0.0	99	368560	40.0	
* 3 Acenaphthene-d10	164	9.830	9.830	0.0	88	261132	40.0	
* 4 Phenanthrene-d10	188	11.545	11.545	0.0	97	420688	40.0	
* 5 Chrysene-d12	240	14.039	14.045	-0.006	96	465828	40.0	
* 6 Perylene-d12	264	15.386	15.391	-0.005	98	417855	40.0	
\$ 11 Nitrobenzene-d5	82	6.624	6.624	0.0	65	27216	7.74	
\$ 12 2-Fluorobiphenyl	172	8.975	8.975	0.0	90	70383	9.30	
\$ 14 p-Terphenyl-d14	244	13.094	13.099	-0.005	86	67557	7.08	
121 Naphthalene	128	7.586	7.591	-0.005	97	508735	54.3	
133 2-Methylnaphthalene	142	8.494	8.494	0.0	46	13741	2.11	
149 Acenaphthylene	152	9.654	9.653	0.001	18	4516	0.4379	
151 Acenaphthene	153	9.873	9.878	-0.005	65	17851	2.82	
161 Fluorene	166	10.508	10.508	0.0	7	3832	0.4760	
185 Phenanthrene	178	11.566	11.577	-0.011	1	3978	0.3478	
188 Anthracene	178		11.630					
197 Fluoranthene	202		12.752					
199 Pyrene	202		12.966					
209 Benzo[a]anthracene	228		14.039					
211 Chrysene	228		14.071					
213 Benzo[b]fluoranthene	252		15.012					
214 Benzo[k]fluoranthene	252		15.038					
217 Benzo[a]pyrene	252		15.343					
219 Indeno[1,2,3-cd]pyrene	276		16.614					
220 Dibenz(a,h)anthracene	278		16.620					
221 Benzo[g,h,i]perylene	276		16.962					

Report Date: 30-May-2012 09:16:48
Data File: \\Bufchrom\ChromData\HP5973V\20120525-12217.b\V1038.D
Injection Date: 25-May-2012 16:18:30
Client ID: MW3DR DUP
Lims Batch ID: 66043
Operator ID: ANM
Column Type: RXI-5Sil MS
Y Scaling:

Chrom Revision: 2.0 20-Feb-2012 13:27:02
Limit Group: MB - 8270C ICAL
Instrument ID: HP5973V
Lims Sample ID: 12
Injection Vol: 1.00 ul
Column Dia: 0.25 mm



Data File: \\Bufchrom\ChromData\HP5973V\20120525-12217.b\V1038.D

Injection Date: 25-May-2012 16:18:30

Limit Group: MB - 8270C ICAL

Client ID: MW3DR DUP

Instrument ID: HP5973V

Lims Batch ID: 66043

Lims Sample ID: 12

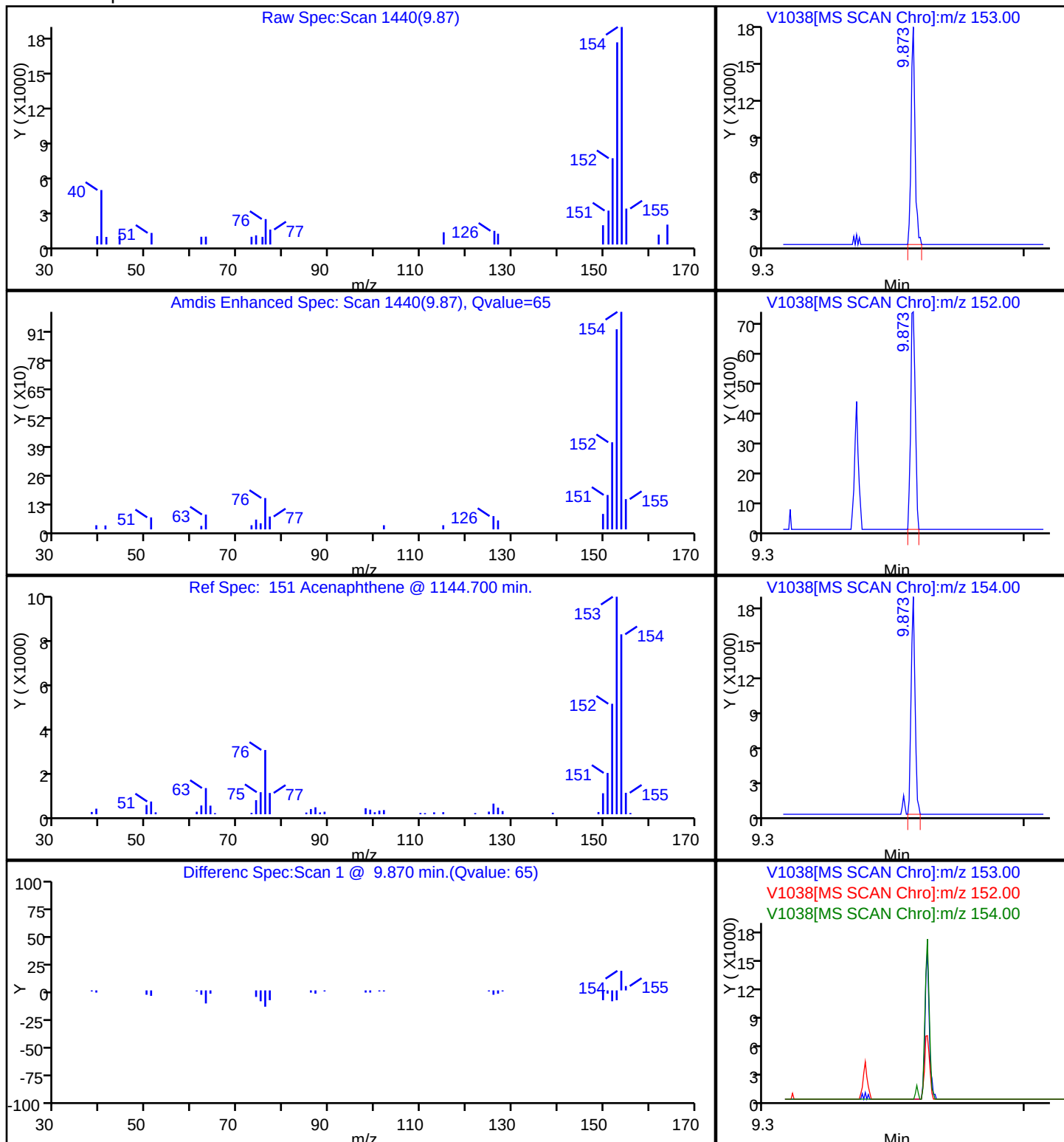
Operator ID: ANM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

151 Acenaphthene



Data File: \\Bufchrom\ChromData\HP5973V\20120525-12217.b\V1038.D

Injection Date: 25-May-2012 16:18:30

Limit Group: MB - 8270C ICAL

Client ID: MW3DR DUP

Instrument ID: HP5973V

Lims Batch ID: 66043

Lims Sample ID: 12

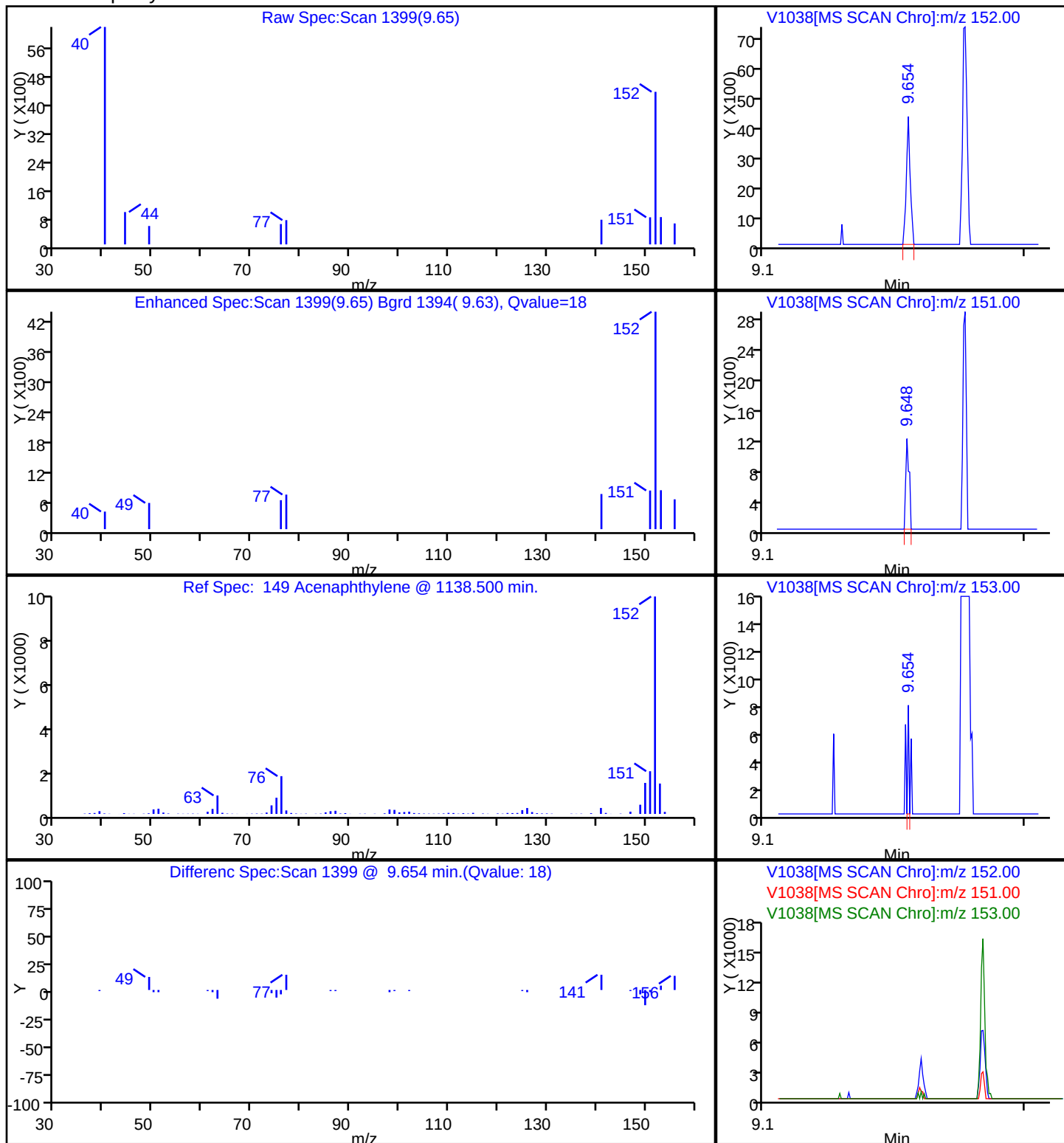
Operator ID: ANM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

149 Acenaphthylene



Data File:

\\Bufchrom\ChromData\HP5973V\20120525-12217.b\V1038.D

Injection Date: 25-May-2012 16:18:30

Limit Group: MB - 8270C ICAL

Client ID: MW3DR DUP

Instrument ID: HP5973V

Lims Batch ID: 66043

Lims Sample ID: 12

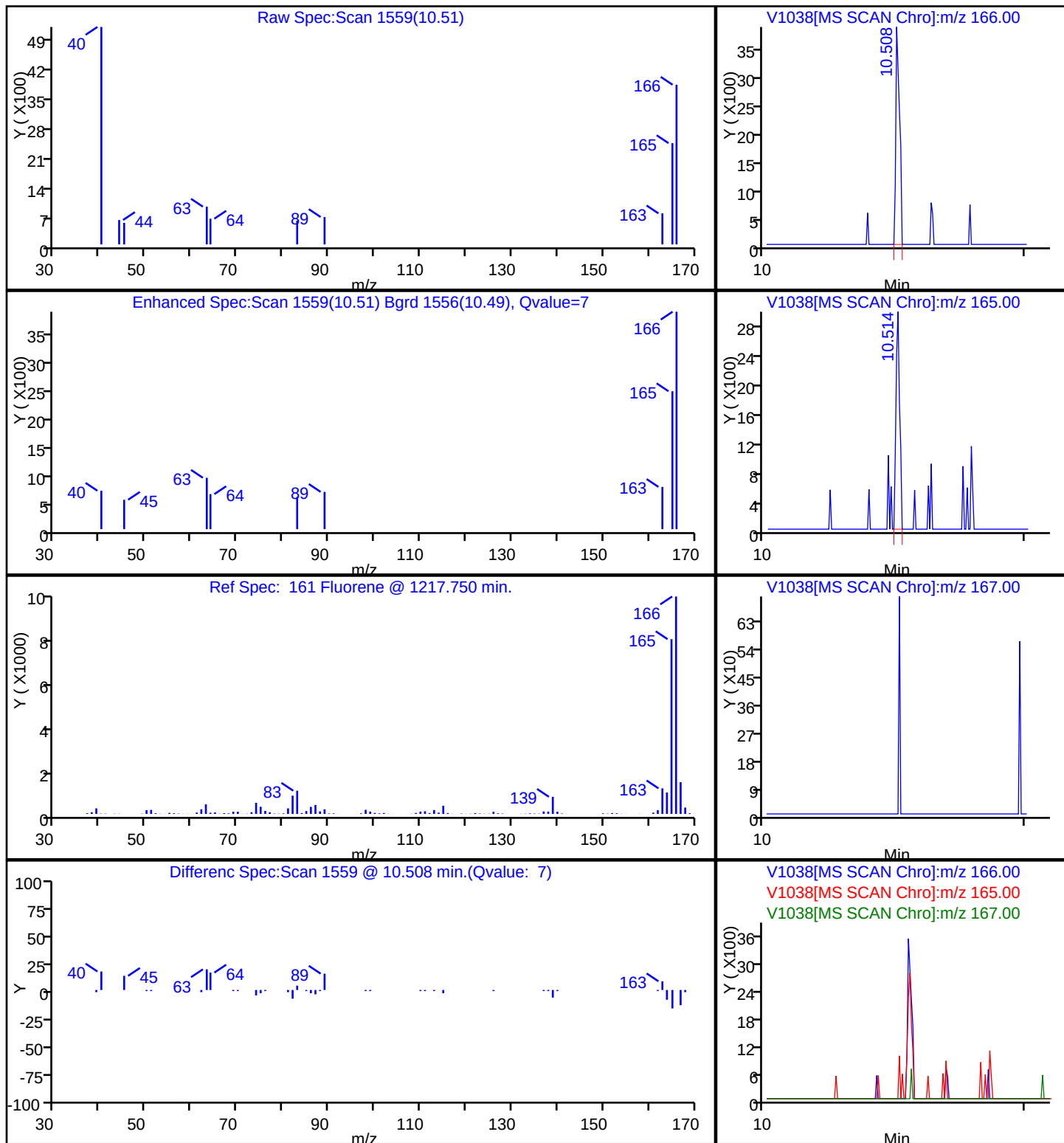
Operator ID: ANM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

161 Fluorene



Report Date: 30-May-2012 09:16:48

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973V\20120525-12217.b\V1038.D

Injection Date: 25-May-2012 16:18:30

Limit Group: MB - 8270C ICAL

Client ID: MW3DR DUP

Instrument ID: HP5973V

Lims Batch ID: 66043

Lims Sample ID: 12

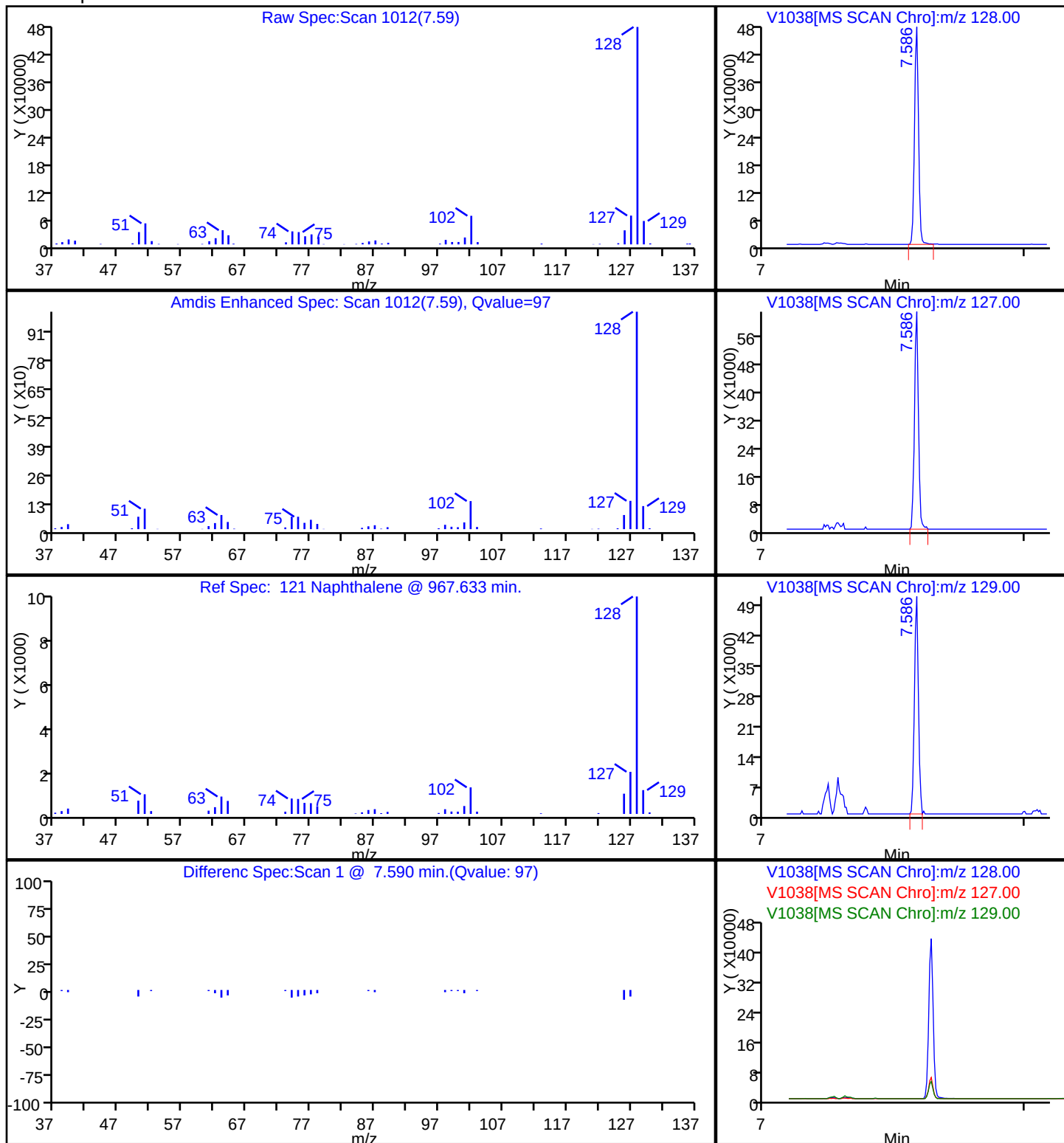
Operator ID: ANM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

121 Naphthalene



Report Date: 30-May-2012 09:16:48

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120525-12217.b\V1038.D

Injection Date: 25-May-2012 16:18:30

Limit Group: MB - 8270C ICAL

Client ID: MW3DR DUP

Instrument ID: HP5973V

Lims Batch ID: 66043

Lims Sample ID: 12

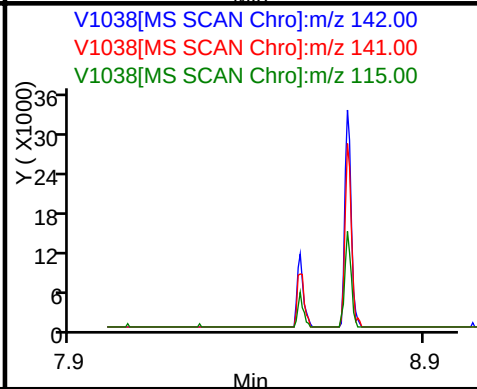
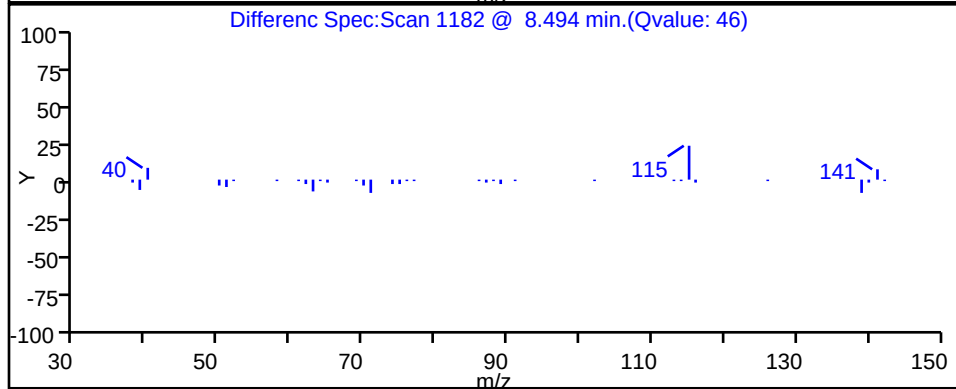
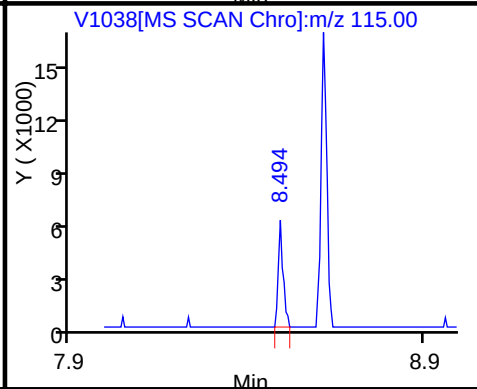
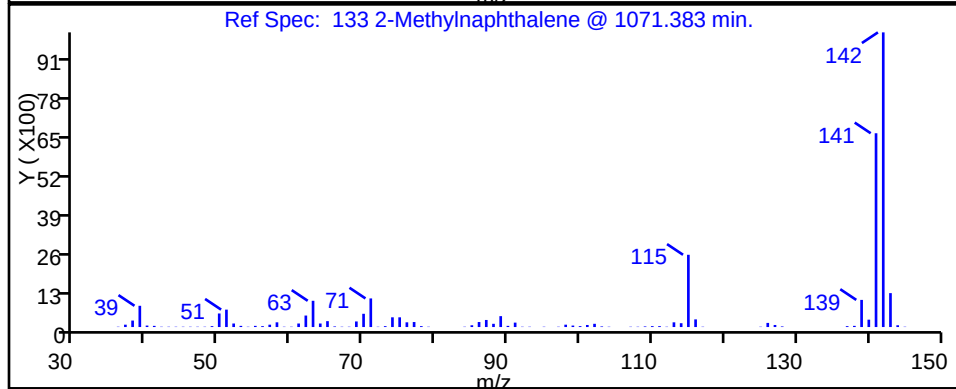
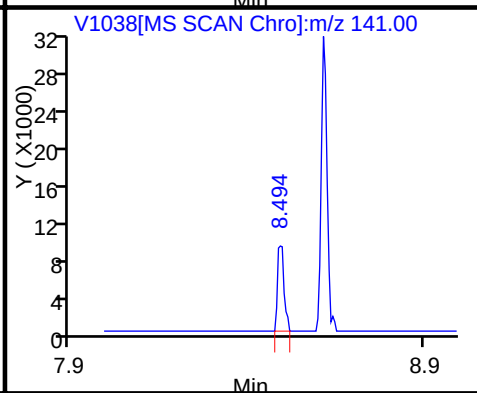
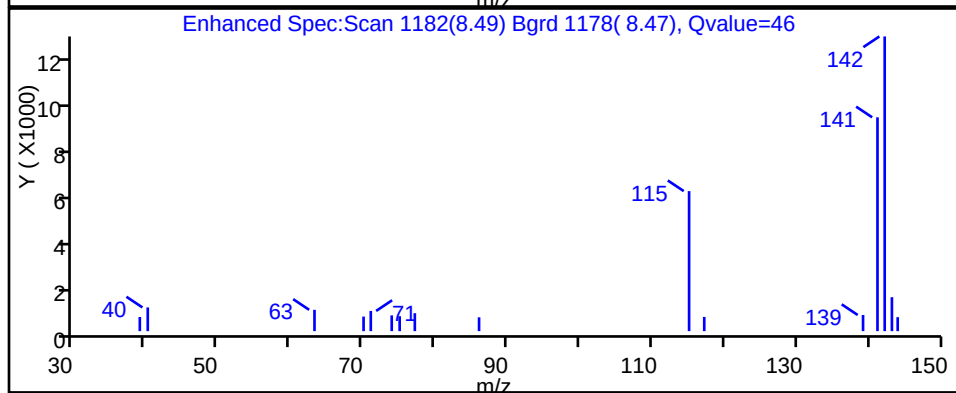
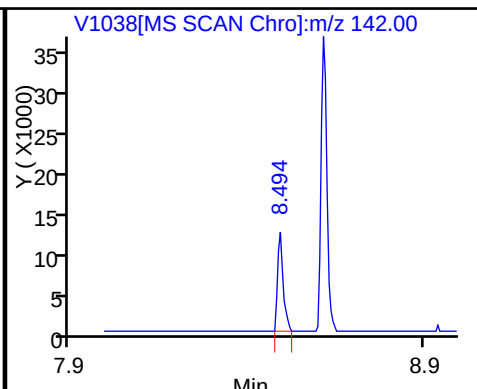
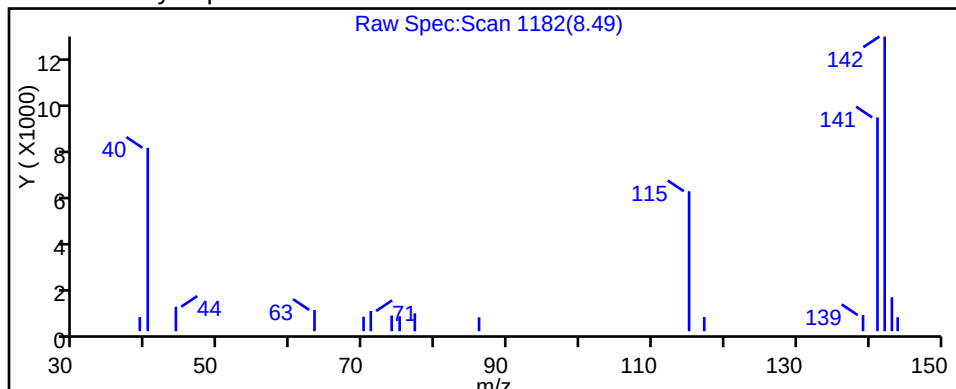
Operator ID: ANM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

133 2-Methylnaphthalene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
 SDG No.: _____
 Client Sample ID: EB1 Lab Sample ID: 480-20186-5
 Matrix: Water Lab File ID: V1014.D
 Analysis Method: 8270C Date Collected: 05/15/2012 15:00
 Extract. Method: 3510C Date Extracted: 05/18/2012 13:56
 Sample wt/vol: 1000 (mL) Date Analyzed: 05/25/2012 07:15
 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.: 65945 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
120-12-7	Anthracene	ND		5.0	0.28
56-55-3	Benz (a) anthracene	ND		5.0	0.36
50-32-8	Benzo (a) pyrene	ND	*	5.0	0.47
205-99-2	Benzo (b) fluoranthene	ND	*	5.0	0.34
191-24-2	Benzo (g, h, i) perylene	ND		5.0	0.35
207-08-9	Benzo (k) fluoranthene	ND	*	5.0	0.73
218-01-9	Chrysene	ND		5.0	0.33
53-70-3	Dibenz (a, h) anthracene	ND		5.0	0.42
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
193-39-5	Indeno (1, 2, 3-c, d) pyrene	ND		5.0	0.47
91-20-3	Naphthalene	7.4		5.0	0.76
85-01-8	Phenanthrene	ND		5.0	0.44
129-00-0	Pyrene	ND		5.0	0.34
91-57-6	2-Methylnaphthalene	ND		5.0	0.60

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	91		46-120
321-60-8	2-Fluorobiphenyl	91		48-120
1718-51-0	p-Terphenyl-d14	85		67-150

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20120524-12193.b\V1014.D
 Lims ID: 480-20186-A-5-A Client ID: EB1
 Inject. Date: 25-May-2012 07:15:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-0012193-024
 Misc. Info.: 480-20186-A-5-A
 Operator: HL Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 61
 Lims Batch ID: 65945 Lims Sample ID: 24
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20120524-12193.b\V-8270.m
 Last Update: 29-May-2012 10:54:58 Calib Date: 18-May-2012 18:10:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0750.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

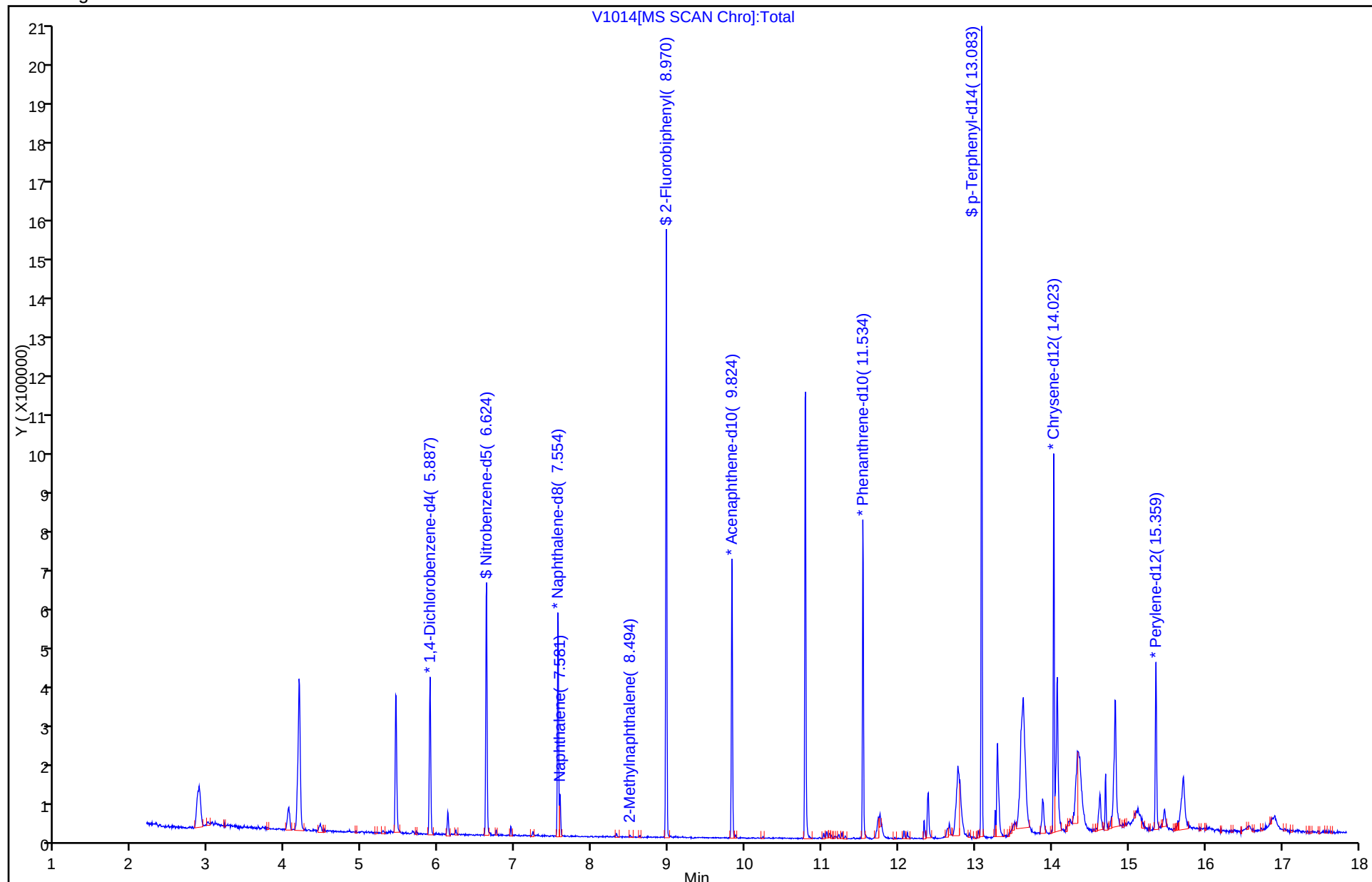
First Level Reviewer: lyh

Date: 29-May-2012 11:02:06

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.887	5.887	0.0	97	73114	40.0	
* 2 Naphthalene-d8	136	7.554	7.559	-0.005	98	285075	40.0	
* 3 Acenaphthene-d10	164	9.824	9.824	0.0	87	199863	40.0	
* 4 Phenanthrene-d10	188	11.534	11.534	0.0	97	324014	40.0	
* 5 Chrysene-d12	240	14.023	14.023	0.0	97	368649	40.0	
* 6 Perylene-d12	264	15.359	15.359	0.0	98	211354	40.0	
\$ 11 Nitrobenzene-d5	82	6.624	6.624	0.0	90	247424	91.0	
\$ 12 2-Fluorobiphenyl	172	8.970	8.970	0.0	99	523868	90.5	
\$ 14 p-Terphenyl-d14	244	13.083	13.083	0.0	97	645291	85.4	
121 Naphthalene	128	7.586	7.586	0.0	87	53762	7.42	
133 2-Methylnaphthalene	142	8.499	8.499	0.010	1	1966	0.3912	
149 Acenaphthylene	152		9.648					
151 Acenaphthene	153		9.872					
161 Fluorene	166		10.503					
185 Phenanthrene	178		11.566					
188 Anthracene	178		11.619					
197 Fluoranthene	202		12.736					
199 Pyrene	202		12.950					
209 Benzo[a]anthracene	228		14.018					
211 Chrysene	228		14.055					
213 Benzo[b]fluoranthene	252		14.985					
214 Benzo[k]fluoranthene	252		15.012					
217 Benzo[a]pyrene	252		15.311					
219 Indeno[1,2,3-cd]pyrene	276		16.561					
220 Dibenz(a,h)anthracene	278		16.566					
221 Benzo[g,h,i]perylene	276		16.903					

Report Date: 29-May-2012 11:02:06
Data File: \\Bufchrom\ChromData\HP5973V\20120524-12193.b\V1014.D
Injection Date: 25-May-2012 07:15:30
Client ID: EB1
Lims Batch ID: 65945
Operator ID: HL
Column Type: RXI-5Sil MS
Y Scaling:

Chrom Revision: 2.0 20-Feb-2012 13:27:02
Limit Group: MB - 8270C ICAL
Instrument ID: HP5973V
Lims Sample ID: 24
Injection Vol: 1.00 ul
Column Dia: 0.25 mm



Report Date: 29-May-2012 11:02:06

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973V\20120524-12193.b\V1014.D

Injection Date: 25-May-2012 07:15:30

Limit Group: MB - 8270C ICAL

Client ID: EB1

Instrument ID: HP5973V

Lims Batch ID: 65945

Lims Sample ID: 24

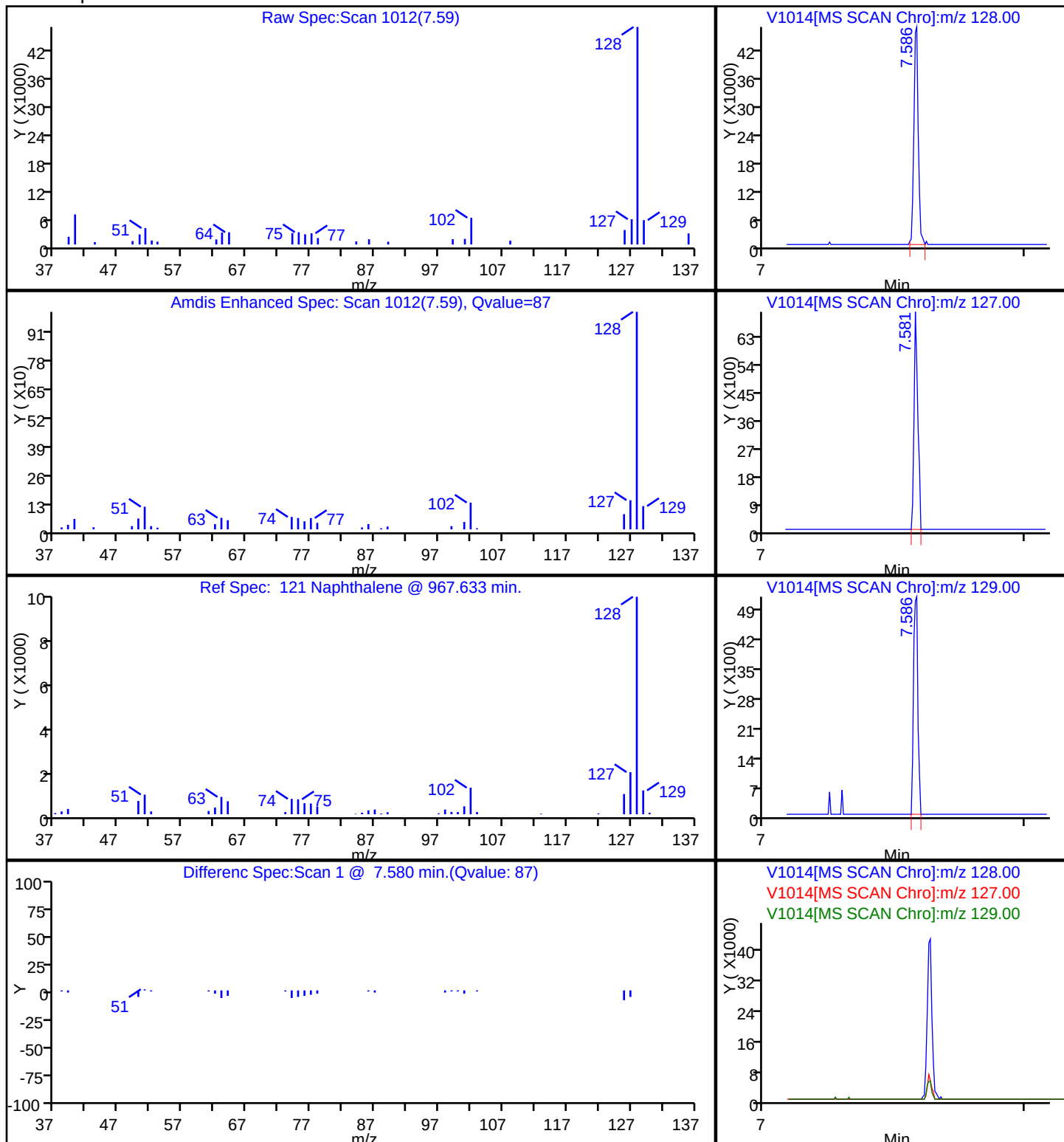
Operator ID: HL

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

121 Naphthalene



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

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1 Analy Batch No.: 65015

SDG No.: _____

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2012 16:10 Calibration End Date: 05/18/2012 18:10 Calibration ID: 8483

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-65015/2	V0745.D
Level 2	IC 480-65015/3	V0746.D
Level 3	ICIS 480-65015/4	V0747.D
Level 4	IC 480-65015/5	V0748.D
Level 5	IC 480-65015/6	V0749.D
Level 6	IC 480-65015/7	V0750.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								
N-Nitrosodimethylamine	0.7427 0.9206	0.8969	0.9870	0.9640	0.9329	Ave		0.9074				9.6		15.0			
Pyridine	1.1957 1.3106	1.3167	1.3703	1.3479	1.3349	Ave		1.3127				4.7		15.0			
Phenol	1.8230 1.8567	1.9131	2.0237	1.9952	1.8877	Ave		1.9166				4.1		15.0			
Aniline	1.9890 2.0645	2.1650	2.1646	2.2665	2.1149	Ave		2.1274				4.5		15.0			
Bis (2-chloroethyl) ether	1.3471 1.3240	1.4148	1.3914	1.4363	1.3373	Ave		1.3751				3.3		15.0			
2-Chlorophenol	1.2451 1.3055	1.3921	1.4156	1.4092	1.3273	Ave		1.3491				5.0		15.0			
1,3-Dichlorobenzene	1.5755 1.4241	1.5999	1.5966	1.5476	1.4601	Ave		1.5340				4.9		15.0			
1,4-Dichlorobenzene	1.5417 1.4461	1.6074	1.6299	1.5932	1.4988	Ave		1.5529				4.6		15.0			
Benzyl alcohol	0.6442 0.8869	0.7941	0.9428	0.9186	0.9215	Ave		0.8514				13.0		15.0			
1,2-Dichlorobenzene	1.5896 1.3348	1.4635	1.5194	1.4911	1.3830	Ave		1.4636				6.3		15.0			
2-Methylphenol	1.1559 1.2510	1.2654	1.3101	1.3594	1.2740	Ave		1.2693				5.3		15.0			
bis (2-chloroisopropyl) ether	2.7925 2.6191	2.6613	2.8961	2.8124	2.6467	Ave		2.7380				4.1		15.0			
N-Nitrosodi-n-propylamine	0.8751 1.0397	0.9567	1.0836	1.0967	1.0658	Ave		1.0196			0.0500	8.5		15.0			
4-Methylphenol	1.2091 1.2974	1.2600	1.4068	1.4073	1.3389	Ave		1.3199				6.1		15.0			
Hexachloroethane	0.5446 0.5464	0.5663	0.6203	0.6024	0.5714	Ave		0.5752				5.3		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1 Analy Batch No.: 65015

SDG No.: _____

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2012 16:10 Calibration End Date: 05/18/2012 18:10 Calibration ID: 8483

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								
Nitrobenzene	0.3559 0.4226	0.4269	0.4545	0.4615	0.4363	Ave		0.4263				8.8		15.0			
Isophorone	0.6401 0.7173	0.7053	0.7629	0.7567	0.7492	Ave		0.7219				6.4		15.0			
2-Nitrophenol	0.1044 0.1907	0.1558	0.1983	0.1981	0.1935	Lin1	-0.494	0.1979							0.9990		0.9900
2,4-Dimethylphenol	0.3249 0.3726	0.3718	0.3904	0.3915	0.3818	Ave		0.3722				6.6		15.0			
Tetraethyl lead	0.1194 0.1018	0.1357	0.1150	0.1210	0.1138	Ave		0.1178				9.4		15.0			
Bis(2-chloroethoxy)methane	0.3692 0.3951	0.3957	0.4263	0.4279	0.4120	Ave		0.4044				5.5		15.0			
2,4-Dichlorophenol	0.2729 0.2940	0.2977	0.3170	0.3135	0.3041	Ave		0.2998				5.3		15.0			
Benzoic acid	0.1802 0.2868	0.2216	0.2571	0.2671	0.2927	Lin1	-11.91	0.3185							0.9970		0.9900
1,2,4-Trichlorobenzene	0.3380 0.2935	0.3157	0.3376	0.3257	0.3092	Ave		0.3200				5.4		15.0			
Naphthalene	1.0206 0.9331	1.0651	1.0531	1.0414	0.9877	Ave		1.0168				4.8		15.0			
4-Chloroaniline	0.3593 0.3997	0.4133	0.4317	0.4316	0.4227	Ave		0.4097				6.7		15.0			
Hexachlorobutadiene	0.1763 0.1699	0.1875	0.1860	0.1805	0.1744	Ave		0.1791				3.8		15.0			
4-Chloro-3-methylphenol	0.2246 0.3185	0.2917	0.3381	0.3254	0.3242	Ave		0.3038				14.0		15.0			
2-Methylnaphthalene	0.7012 0.6620	0.7025	0.7355	0.7288	0.7015	Ave		0.7052				3.7		15.0			
Hexachlorocyclopentadiene	0.1741 0.2994	0.2440	0.2852	0.3018	0.3070	Lin1	-0.776	0.3070			0.0500				0.9990		0.9900
2,4,6-Trichlorophenol	0.2489 0.3273	0.3232	0.3263	0.3426	0.3348	Ave		0.3172				11.0		15.0			
2,4,5-Trichlorophenol	0.2574 0.3230	0.3198	0.3389	0.3546	0.3450	Ave		0.3231				11.0		15.0			
2-Chloronaphthalene	1.0296 0.9721	1.0386	1.0818	1.0479	1.0123	Ave		1.0304				3.6		15.0			
2-Nitroaniline	0.1446 0.3390	0.2626	0.3386	0.3490	0.3487	Lin1	-1.138	0.3534							0.9990		0.9900
Dimethyl phthalate	1.0671 1.1474	1.2295	1.2151	1.2131	1.1906	Ave		1.1771				5.2		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1 Analy Batch No.: 65015

SDG No.: _____

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2012 16:10 Calibration End Date: 05/18/2012 18:10 Calibration ID: 8483

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								
2,6-Dinitrotoluene	0.1293 0.2628	0.2463	0.2652	0.2675	0.2675	Lin1	-0.649	0.2719							1.0000		0.9900
Acenaphthylene	1.4755 1.5235	1.6059	1.6502	1.6396	1.5831	Ave		1.5796				4.3		15.0			
3-Nitroaniline	0.1140 0.2899	0.2406	0.2840	0.2858	0.2939	Lin1	-0.949	0.2984							1.0000		0.9900
Acenaphthene	1.0194 0.9136	0.9758	0.9881	0.9893	0.9385	Ave		0.9708				3.9		15.0			
2,4-Dinitrophenol	0.0087 0.1598	0.0643	0.1112	0.1103	0.1518	Qua	-0.996	0.1040	0.0004		0.0500				0.9950		0.9900
4-Nitrophenol	0.0402 0.2079	0.0945	0.1494	0.1623	0.2110	Qua	-1.716	0.1739	0.0003		0.0500				0.9940		0.9900
Dibenzofuran	1.4553 1.3871	1.4869	1.4965	1.4799	1.4374	Ave		1.4572				2.8		15.0			
2,4-Dinitrotoluene	0.2017 0.3646	0.3120	0.3604	0.3710	0.3687	Lin1	-0.907	0.3747							1.0000		0.9900
Diethyl phthalate	1.0441 1.0846	1.1512	1.1852	1.1695	1.1255	Ave		1.1267				4.8		15.0			
Fluorene	1.1619 1.1891	1.2766	1.2689	1.2639	1.2391	Ave		1.2333				3.8		15.0			
4-Chlorophenyl phenyl ether	0.6096 0.5632	0.6083	0.6038	0.5985	0.5770	Ave		0.5934				3.2		15.0			
4-Nitroaniline	0.1102 0.2884	0.2365	0.2805	0.2833	0.2981	Lin1	-0.988	0.2984							0.9990		0.9900
4,6-Dinitro-2-methylphenol	0.0482 0.1419	0.0921	0.1309	0.1269	0.1467	Lin1	-1.062	0.1493							0.9980		0.9900
N-Nitrosodiphenylamine	0.4541 0.4914	0.5205	0.5313	0.5246	0.5198	Ave		0.5070				5.8		15.0			
1,2-Diphenylhydrazine	1.2882 1.3253	1.3604	1.3565	1.3969	1.3488	Ave		1.3460				2.7		15.0			
4-Bromophenyl phenyl ether	0.1933 0.1856	0.1998	0.2052	0.1953	0.1881	Ave		0.1946				3.7		15.0			
Hexachlorobenzene	0.2006 0.1750	0.1973	0.1972	0.1909	0.1823	Ave		0.1906				5.3		15.0			
Pentachlorophenol	0.0590 0.1298	0.1002	0.1198	0.1214	0.1294	Lin	-0.768	0.1346							1.0000		0.9900
Phenanthrene	1.1356 1.0097	1.1346	1.1063	1.0932	1.0457	Ave		1.0875				4.6		15.0			
Anthracene	1.1322 1.0268	1.1533	1.1417	1.1166	1.0663	Ave		1.1061				4.5		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1 Analy Batch No.: 65015

SDG No.: _____

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2012 16:10 Calibration End Date: 05/18/2012 18:10 Calibration ID: 8483

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								
Carbazole	0.9720 0.9787	1.0802	1.0550	1.0538	1.0196	Ave		1.0265				4.3		15.0			
Di-n-butyl phthalate	1.0569 1.1574	1.1959	1.2509	1.2282	1.2111	Ave		1.1834				5.9		15.0			
Fluoranthene	1.2140 1.1254	1.2649	1.2422	1.2112	1.1753	Ave		1.2055				4.1		15.0			
Benzidine	0.4255 0.5657	0.5463	0.4626	0.6080	0.5727	Ave		0.5301				13.0		15.0			
Pyrene	1.2583 1.2136	1.3144	1.3322	1.3263	1.2662	Ave		1.2852				3.6		15.0			
Butyl benzyl phthalate	0.4516 0.5592	0.5570	0.6250	0.6116	0.5915	Ave		0.5660				11.0		15.0			
3,3'-Dichlorobenzidine	0.3399 0.4027	0.3809	0.4418	0.4205	0.4148	Ave		0.4001				8.9		15.0			
Bis(2-ethylhexyl) phthalate	0.5777 0.7725	0.7608	0.8407	0.8191	0.7885	Ave		0.7599				12.0		15.0			
Benz (a) anthracene	1.2436 1.0567	1.1834	1.1889	1.1249	1.0851	Ave		1.1471				6.2		15.0			
Chrysene	1.2279 1.0530	1.1538	1.1385	1.1099	1.0700	Ave		1.1255				5.6		15.0			
Di-n-octyl phthalate	0.9971 1.3400	1.2040	1.4275	1.4099	1.3664	Ave		1.2908				13.0		15.0			
Benzo (b) fluoranthene	1.0500 0.9743	1.1081	1.1814	1.0586	1.1045	Ave		1.0795				6.4		15.0			
Benzo (k) fluoranthene	1.4034 1.0854	1.2250	1.1672	1.1768	1.0033	Ave		1.1769				12.0		15.0			
Benzo (a) pyrene	0.9882 0.8827	0.9269	0.9813	0.9752	0.9193	Ave		0.9456				4.5		15.0			
Indeno (1,2,3-c,d) pyrene	0.7541 0.9015	0.8397	0.9351	0.9357	0.9103	Ave		0.8794				8.0		15.0			
Dibenz (a,h) anthracene	0.5791 0.7916	0.6742	0.8256	0.8169	0.8073	Ave		0.7491				13.0		15.0			
Benzo (g,h,i) perylene	0.5841 0.7386	0.6999	0.7624	0.7529	0.7050	Ave		0.7071				9.2		15.0			
2-Fluorophenol	1.0274 1.2314	1.2257	1.3284	1.3170	1.2464	Ave		1.2294				8.8		15.0			
Phenol-d5	1.4512 1.6756	1.7086	1.7738	1.7683	1.6818	Ave		1.6765				7.0		15.0			
Nitrobenzene-d5	0.3113 0.3870	0.3715	0.4100	0.4107	0.3997	Ave		0.3817				9.8		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1 Analy Batch No.: 65015

SDG No.: _____

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2012 16:10 Calibration End Date: 05/18/2012 18:10 Calibration ID: 8483

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								
2-Fluorobiphenyl	1.2232 1.0779	1.1775	1.1805	1.1655	1.1300	Ave		1.1591				4.3		15.0			
2,4,6-Tribromophenol	0.0517 0.0817	0.0700	0.0881	0.0858	0.0869	Lin1	-0.179	0.0862							0.9980		0.9900
p-Terphenyl-d14	0.8205 0.7697	0.8548	0.8537	0.8162	0.8015	Ave		0.8194				3.9		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1 Analy Batch No.: 65015

SDG No.: _____

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2012 16:10 Calibration End Date: 05/18/2012 18:10 Calibration ID: 8483

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-65015/2	V0745.D
Level 2	IC 480-65015/3	V0746.D
Level 3	ICIS 480-65015/4	V0747.D
Level 4	IC 480-65015/5	V0748.D
Level 5	IC 480-65015/6	V0749.D
Level 6	IC 480-65015/7	V0750.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
N-Nitrosodimethylamine	DCB	Ave	8085 354574	35693	108539	162399	271216	5.00 160	20.0	50.0	80.0	120
Pyridine	DCB	Ave	13016 504796	52400	150680	227057	388077	5.00 160	20.0	50.0	80.0	120
Phenol	DCB	Ave	19844 715142	76133	222531	336097	548789	5.00 160	20.0	50.0	80.0	120
Aniline	DCB	Ave	21651 795190	86157	238025	381808	614824	5.00 160	20.0	50.0	80.0	120
Bis(2-chloroethyl)ether	DCB	Ave	14664 509973	56301	153000	241951	388779	5.00 160	20.0	50.0	80.0	120
2-Chlorophenol	DCB	Ave	13553 502815	55400	155670	237396	385875	5.00 160	20.0	50.0	80.0	120
1,3-Dichlorobenzene	DCB	Ave	17150 548511	63668	175566	260709	424457	5.00 160	20.0	50.0	80.0	120
1,4-Dichlorobenzene	DCB	Ave	16782 556996	63969	179235	268382	435712	5.00 160	20.0	50.0	80.0	120
Benzyl alcohol	DCB	Ave	7012 341621	31602	103679	154751	267877	5.00 160	20.0	50.0	80.0	120
1,2-Dichlorobenzene	DCB	Ave	17303 514099	58242	167085	251187	402049	5.00 160	20.0	50.0	80.0	120
2-Methylphenol	DCB	Ave	12582 481850	50356	144064	228993	370363	5.00 160	20.0	50.0	80.0	120
bis (2-chloroisopropyl) ether	DCB	Ave	30397 1008773	105906	318466	473760	769432	5.00 160	20.0	50.0	80.0	120
N-Nitrosodi-n-propylamine	DCB	Ave	9526 400438	38072	119160	184739	309842	5.00 160	20.0	50.0	80.0	120
4-Methylphenol	DCB	Ave	13161 499702	50141	154703	237066	389226	5.00 160	20.0	50.0	80.0	120
Hexachloroethane	DCB	Ave	5928 210467	22535	68214	101474	166110	5.00 160	20.0	50.0	80.0	120
Nitrobenzene	NPT	Ave	14187 619122	62278	187265	296004	471703	5.00 160	20.0	50.0	80.0	120

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

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1 Analy Batch No.: 65015

SDG No.: _____

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2012 16:10 Calibration End Date: 05/18/2012 18:10 Calibration ID: 8483

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
Isophorone	NPT	Ave	25517 1050939	102903	314327	485374	810001	5.00 160	20.0	50.0	80.0	120
2-Nitrophenol	NPT	Lin1	4162 279414	22733	81705	127034	209152	5.00 160	20.0	50.0	80.0	120
2,4-Dimethylphenol	NPT	Ave	12950 545863	54242	160844	251110	412813	5.00 160	20.0	50.0	80.0	120
Tetraethyl lead	NPT	Ave	4761 149180	19795	47380	77594	122992	5.00 160	20.0	50.0	80.0	120
Bis(2-chloroethoxy)methane	NPT	Ave	14717 578886	57728	175613	274473	445432	5.00 160	20.0	50.0	80.0	120
2,4-Dichlorophenol	NPT	Ave	10877 430740	43431	130599	201052	328783	5.00 160	20.0	50.0	80.0	120
Benzoic acid	NPT	Lin1	143692 1260425	193980	317814	513994	949470	100 480	120	150	240	360
1,2,4-Trichlorobenzene	NPT	Ave	13473 430067	46055	139097	208939	334346	5.00 160	20.0	50.0	80.0	120
Naphthalene	NPT	Ave	40686 1367100	155394	433854	667963	1067902	5.00 160	20.0	50.0	80.0	120
4-Chloroaniline	NPT	Ave	14324 585622	60298	177867	276817	456962	5.00 160	20.0	50.0	80.0	120
Hexachlorobutadiene	NPT	Ave	7028 248978	27351	76637	115807	188589	5.00 160	20.0	50.0	80.0	120
4-Chloro-3-methylphenol	NPT	Ave	8955 466664	42561	139293	208736	350479	5.00 160	20.0	50.0	80.0	120
2-Methylnaphthalene	NPT	Ave	27954 969840	102490	303029	467449	758393	5.00 160	20.0	50.0	80.0	120
Hexachlorocyclopentadiene	ANT	Lin1	4505 292717	23649	80574	132452	224715	5.00 160	20.0	50.0	80.0	120
2,4,6-Trichlorophenol	ANT	Ave	6439 320020	31324	92181	150316	245096	5.00 160	20.0	50.0	80.0	120
2,4,5-Trichlorophenol	ANT	Ave	6658 315780	31002	95739	155595	252532	5.00 160	20.0	50.0	80.0	120
2-Chloronaphthalene	ANT	Ave	26637 950465	100672	305619	459838	741000	5.00 160	20.0	50.0	80.0	120
2-Nitroaniline	ANT	Lin1	3741 331497	25452	95651	153146	255285	5.00 160	20.0	50.0	80.0	120
Dimethyl phthalate	ANT	Ave	27608 1121815	119177	343274	532302	871489	5.00 160	20.0	50.0	80.0	120
2,6-Dinitrotoluene	ANT	Lin1	3344 256993	23877	74917	117392	195822	5.00 160	20.0	50.0	80.0	120
Acenaphthylene	ANT	Ave	38172 1489564	155658	466195	719459	1158858	5.00 160	20.0	50.0	80.0	120

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

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1 Analy Batch No.: 65015

SDG No.: _____

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2012 16:10 Calibration End Date: 05/18/2012 18:10 Calibration ID: 8483

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
3-Nitroaniline	ANT	Lin1	2950 283411	23322	80219	125413	215133	5.00 160	20.0	50.0	80.0	120
Acenaphthene	ANT	Ave	26374 893305	94580	279153	434091	687008	5.00 160	20.0	50.0	80.0	120
2,4-Dinitrophenol	ANT	Qua	451 156205	6230	31411	48399	111136	10.0 160	20.0	50.0	80.0	120
4-Nitrophenol	ANT	Qua	2082 203283	9163	42195	71223	154428	10.0 160	20.0	50.0	80.0	120
Dibenzofuran	ANT	Ave	37651 1356178	144126	422771	649402	1052194	5.00 160	20.0	50.0	80.0	120
2,4-Dinitrotoluene	ANT	Lin1	5219 356531	30244	101823	162818	269913	5.00 160	20.0	50.0	80.0	120
Diethyl phthalate	ANT	Ave	27011 1060497	111588	334829	513201	823877	5.00 160	20.0	50.0	80.0	120
Fluorene	ANT	Ave	30060 1162594	123740	358483	554625	907006	5.00 160	20.0	50.0	80.0	120
4-Chlorophenyl phenyl ether	ANT	Ave	15771 550628	58964	170574	262620	422379	5.00 160	20.0	50.0	80.0	120
4-Nitroaniline	ANT	Lin1	2850 281985	22921	79232	124307	218215	5.00 160	20.0	50.0	80.0	120
4,6-Dinitro-2-methylphenol	PHN	Lin1	3921 226686	14454	59843	90108	173674	10.0 160	20.0	50.0	80.0	120
N-Nitrosodiphenylamine	PHN	Ave	18489 784981	81704	242873	372326	615324	5.00 160	20.0	50.0	80.0	120
1,2-Diphenylhydrazine	ANT	Ave	33328 1295796	131866	383233	612975	987362	5.00 160	20.0	50.0	80.0	120
4-Bromophenyl phenyl ether	PHN	Ave	7871 296399	31354	93803	138635	222714	5.00 160	20.0	50.0	80.0	120
Hexachlorobenzene	PHN	Ave	8165 279508	30975	90151	135494	215846	5.00 160	20.0	50.0	80.0	120
Pentachlorophenol	PHN	Lin	4808 207356	15729	54768	86176	153199	10.0 160	20.0	50.0	80.0	120
Phenanthrene	PHN	Ave	46233 1612874	178089	505694	775921	1237960	5.00 160	20.0	50.0	80.0	120
Anthracene	PHN	Ave	46094 1640127	181030	521854	792573	1262295	5.00 160	20.0	50.0	80.0	120
Carbazole	PHN	Ave	39570 1563312	169551	482259	747971	1206991	5.00 160	20.0	50.0	80.0	120
Di-n-butyl phthalate	PHN	Ave	43026 1848748	187714	571792	871796	1433712	5.00 160	20.0	50.0	80.0	120
Fluoranthene	PHN	Ave	49422 1797607	198546	567813	859697	1391388	5.00 160	20.0	50.0	80.0	120

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

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1 Analy Batch No.: 65015

SDG No.: _____

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2012 16:10 Calibration End Date: 05/18/2012 18:10 Calibration ID: 8483

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
Benzidine	CRY	Ave	17334 841519	83729	194538	402784	633230	5.00 160	20.0	50.0	80.0	120
Pyrene	CRY	Ave	51259 1805229	201467	560188	878734	1400062	5.00 160	20.0	50.0	80.0	120
Butyl benzyl phthalate	CRY	Ave	18396 831773	85376	262822	405212	654075	5.00 160	20.0	50.0	80.0	120
3,3'-Dichlorobenzidine	CRY	Ave	13848 598964	58385	185778	278599	458696	5.00 160	20.0	50.0	80.0	120
Bis(2-ethylhexyl) phthalate	CRY	Ave	23536 1149103	116621	353521	542695	871793	5.00 160	20.0	50.0	80.0	120
Benz(a)anthracene	CRY	Ave	50660 1571770	181385	499952	745310	1199755	5.00 160	20.0	50.0	80.0	120
Chrysene	CRY	Ave	50023 1566335	176855	478731	735307	1183101	5.00 160	20.0	50.0	80.0	120
Di-n-octyl phthalate	CRY	Ave	40619 1993202	184548	600251	934077	1510844	5.00 160	20.0	50.0	80.0	120
Benzo(b)fluoranthene	PRY	Ave	39137 1607617	167761	496184	708585	1309383	5.00 160	20.0	50.0	80.0	120
Benzo(k)fluoranthene	PRY	Ave	52312 1790840	185462	490252	787755	1189443	5.00 160	20.0	50.0	80.0	120
Benzo(a)pyrene	PRY	Ave	36834 1456380	140338	412155	652759	1089822	5.00 160	20.0	50.0	80.0	120
Indeno(1,2,3-c,d)pyrene	PRY	Ave	28110 1487455	127136	392740	626319	1079164	5.00 160	20.0	50.0	80.0	120
Dibenz(a,h)anthracene	PRY	Ave	21587 1306127	102081	346780	546844	956986	5.00 160	20.0	50.0	80.0	120
Benzo(g,h,i)perylene	PRY	Ave	21771 1218676	105961	320238	503964	835712	5.00 160	20.0	50.0	80.0	120
2-Fluorophenol	DCB	Ave	11184 474284	48776	146076	221858	362345	5.00 160	20.0	50.0	80.0	120
Phenol-d5	DCB	Ave	15797 645377	67993	195055	297879	488933	5.00 160	20.0	50.0	80.0	120
Nitrobenzene-d5	NPT	Ave	12408 566981	54202	168933	263407	432105	5.00 160	20.0	50.0	80.0	120
2-Fluorobiphenyl	ANT	Ave	31646 1053952	114132	333488	511448	827139	5.00 160	20.0	50.0	80.0	120
2,4,6-Tribromophenol	PHN	Lin1	2104 130564	10993	40252	60914	102850	5.00 160	20.0	50.0	80.0	120
p-Terphenyl-d14	CRY	Ave	33426 1144956	131021	358982	540767	886192	5.00 160	20.0	50.0	80.0	120

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

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1 Analy Batch No.: 65015

SDG No.: _____

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/18/2012 16:10 Calibration End Date: 05/18/2012 18:10 Calibration ID: 8483

Curve Type Legend:

Ave = Average ISTD Lin = Linear ISTD Lin1 = Linear 1/conc ISTD Qua = Quadratic ISTD

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0745.D
 Lims ID: IC 5 - 8270 Client ID:
 Inject. Date: 18-May-2012 16:10:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: 480-0012017-002
 Misc. Info.: CCVIS 8270
 Operator: HL Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 65015 Lims Sample ID: 2
 Sublist: chrom-V-8270*sub23
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20120518-12017.b\V-8270.m
 Last Update: 19-May-2012 13:02:46 Calib Date: 18-May-2012 18:10:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0750.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: lyh

Date: 19-May-2012 13:02:46

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.930	5.930	0.0	97	87083	40.0	
* 2 Naphthalene-d8	136	7.597	7.597	0.0	99	318908	40.0	
* 3 Acenaphthene-d10	164	9.867	9.867	0.0	89	206968	40.0	
* 4 Phenanthrene-d10	188	11.571	11.571	0.0	97	325691	40.0	
* 5 Chrysene-d12	240	14.061	14.061	0.0	98	325899	40.0	
* 6 Perylene-d12	264	15.412	15.412	0.0	98	298192	40.0	
\$ 9 2-Fluorophenol	112	4.220	4.220	0.0	31	11184	4.18	M
\$ 10 Phenol-d5	99	5.465	5.465	0.0	76	15797	4.33	
\$ 11 Nitrobenzene-d5	82	6.662	6.662	0.0	67	12408	4.08	
\$ 12 2-Fluorobiphenyl	172	9.007	9.007	0.0	78	31646	5.28	
\$ 13 2,4,6-Tribromophenol	330	10.823	10.823	0.0	1	2104	5.07	
\$ 14 p-Terphenyl-d14	244	13.121	13.121	0.0	75	33426	5.01	
81 N-Nitrosodimethylamine	42	2.634	2.634	0.0	62	8085	4.09	M
82 Pyridine	52	2.719	2.719	0.0	0	13016	4.55	M
89 Phenol	94	5.487	5.487	0.0	80	19844	4.76	
90 Aniline	93	5.503	5.503	0.0	78	21651	4.67	
91 Bis(2-chloroethyl)ether	93	5.588	5.588	0.0	62	14664	4.90	
93 2-Chlorophenol	128	5.652	5.652	0.0	71	13553	4.61	
94 1,3-Dichlorobenzene	146	5.850	5.850	0.0	86	17150	5.14	
95 1,4-Dichlorobenzene	146	5.951	5.951	0.0	65	16782	4.96	
96 Benzyl alcohol	108	6.133	6.133	0.0	54	7012	3.78	
97 1,2-Dichlorobenzene	146	6.149	6.149	0.0	67	17303	5.43	
98 2-Methylphenol	108	6.283	6.283	0.0	74	12582	4.55	
99 2,2'-oxybis[1-chloropropane]	45	6.299	6.299	0.0	77	30397	5.10	
101 N-Nitrosodi-n-propylamine	70	6.470	6.470	0.0	78	9526	4.29	
102 4-Methylphenol	108	6.496	6.496	0.0	77	13161	4.58	
106 Hexachloroethane	117	6.582	6.582	0.0	77	5928	4.73	
107 Nitrobenzene	77	6.689	6.689	0.0	71	14187	4.17	
110 Isophorone	82	7.004	7.004	0.0	81	25517	4.43	
111 2-Nitrophenol	139	7.105	7.105	0.0	26	4162	5.13	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
112 2,4-Dimethylphenol	107	7.185	7.185	0.0	67	12950	4.36	
113 Tetraethyl lead	237	7.217	7.217	0.0	72	4761	5.07	
115 Bis(2-chloroethoxy)methane	93	7.303	7.303	0.0	77	14717	4.57	
119 Benzoic acid	105	7.383	7.383	0.0	84	143692	94.0	
117 2,4-Dichlorophenol	162	7.447	7.447	0.0	40	10877	4.55	
120 1,2,4-Trichlorobenzene	180	7.527	7.527	0.0	64	13473	5.28	
121 Naphthalene	128	7.623	7.623	0.0	88	40686	5.02	
123 4-Chloroaniline	127	7.736	7.736	0.0	79	14324	4.39	
126 Hexachlorobutadiene	225	7.794	7.794	0.0	64	7028	4.92	
131 4-Chloro-3-methylphenol	107	8.371	8.371	0.0	34	8955	3.70	M
133 2-Methylnaphthalene	142	8.526	8.526	0.0	80	27954	4.97	
136 Hexachlorocyclopentadiene	237	8.729	8.729	0.0	18	4505	5.36	
139 2,4,6-Trichlorophenol	196	8.911	8.911	0.0	0	6439	3.92	
140 2,4,5-Trichlorophenol	196	8.980	8.980	0.0	36	6658	3.98	
143 2-Chloronaphthalene	162	9.151	9.151	0.0	77	26637	5.00	
145 2-Nitroaniline	65	9.317	9.317	0.0	1	3741	5.27	M
147 Dimethyl phthalate	163	9.547	9.547	0.0	75	27608	4.53	
148 2,6-Dinitrotoluene	165	9.632	9.632	0.0	1	3344	4.76	
149 Acenaphthylene	152	9.686	9.686	0.0	75	38172	4.67	
150 3-Nitroaniline	138	9.867	9.867	0.0	15	2950	5.09	M
151 Acenaphthene	153	9.910	9.910	0.0	83	26374	5.25	
152 2,4-Dinitrophenol	184	9.995	9.995	0.0	1	451	10.0	
153 4-Nitrophenol	109	10.140	10.140	0.0	0	2082	11.9	M
154 2,4-Dinitrotoluene	165	10.140	10.140	0.0	77	5219	5.11	
155 Dibenzofuran	168	10.129	10.129	0.0	83	37651	4.99	
160 Diethyl phthalate	149	10.428	10.428	0.0	83	27011	4.63	
161 Fluorene	166	10.535	10.535	0.0	83	30060	4.71	
162 4-Chlorophenyl phenyl ether	204	10.546	10.546	0.0	61	15771	5.14	
164 4-Nitroaniline	138	10.610	10.610	0.0	1	2850	5.16	
166 4,6-Dinitro-2-methylphenol	198	10.620	10.620	0.0	3	3921	10.3	
167 N-Nitrosodiphenylamine	169	10.690	10.690	0.0	30	18489	4.48	
168 1,2-Diphenylhydrazine	77	10.727	10.727	0.0	96	33328	4.79	
176 4-Bromophenyl phenyl ether	248	11.096	11.096	0.0	54	7871	4.97	
177 Hexachlorobenzene	284	11.155	11.155	0.0	63	8165	5.26	
181 Pentachlorophenol	266	11.390	11.390	0.0	1	4808	10.1	
185 Phenanthrene	178	11.598	11.598	0.0	84	46233	5.22	
188 Anthracene	178	11.652	11.652	0.0	88	46094	5.12	
189 Carbazole	167	11.833	11.833	0.0	64	39570	4.73	
192 Di-n-butyl phthalate	149	12.175	12.175	0.0	94	43026	4.47	
197 Fluoranthene	202	12.773	12.773	0.0	82	49422	5.04	
198 Benzidine	184	12.923	12.923	0.0	1	17334	4.01	
199 Pyrene	202	12.987	12.987	0.0	95	51259	4.90	
205 Butyl benzyl phthalate	149	13.548	13.548	0.0	83	18396	3.99	
203 3,3'-Dimethylbenzidine	212		13.559					
208 3,3'-Dichlorobenzidine	252	14.034	14.034	0.0	1	13848	4.25	
210 Bis(2-ethylhexyl) phthalate	149	14.034	14.034	0.0	90	23536	3.80	
209 Benzo[a]anthracene	228	14.050	14.050	0.0	89	50660	5.42	
211 Chrysene	228	14.082	14.082	0.0	86	50023	5.46	
212 Di-n-octyl phthalate	149	14.590	14.590	0.0	86	40619	3.86	
213 Benzo[b]fluoranthene	252	15.028	15.028	0.0	82	39137	4.86	
214 Benzo[k]fluoranthene	252	15.055	15.055	0.0	90	52312	5.96	M
217 Benzo[a]pyrene	252	15.354	15.354	0.0	47	36834	5.23	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
220 Dibenz(a,h)anthracene	278	16.641	16.641	0.0	1	21587	3.87	
219 Indeno[1,2,3-cd]pyrene	276	16.636	16.636	0.0	83	28110	4.29	M
221 Benzo[g,h,i]perylene	276	16.988	16.988	0.0	61	21771	4.13	
S 222 Total Cresols	1				0		9.13	
S 78 3-Methylphenol	1				0		4.58	
S 77 3 & 4 Methylphenol	108				0		4.58	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 19-May-2012 13:02:46

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0745.D

Injection Date: 18-May-2012 16:10:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973V

Lims Batch ID: 65015

Lims Sample ID: 2

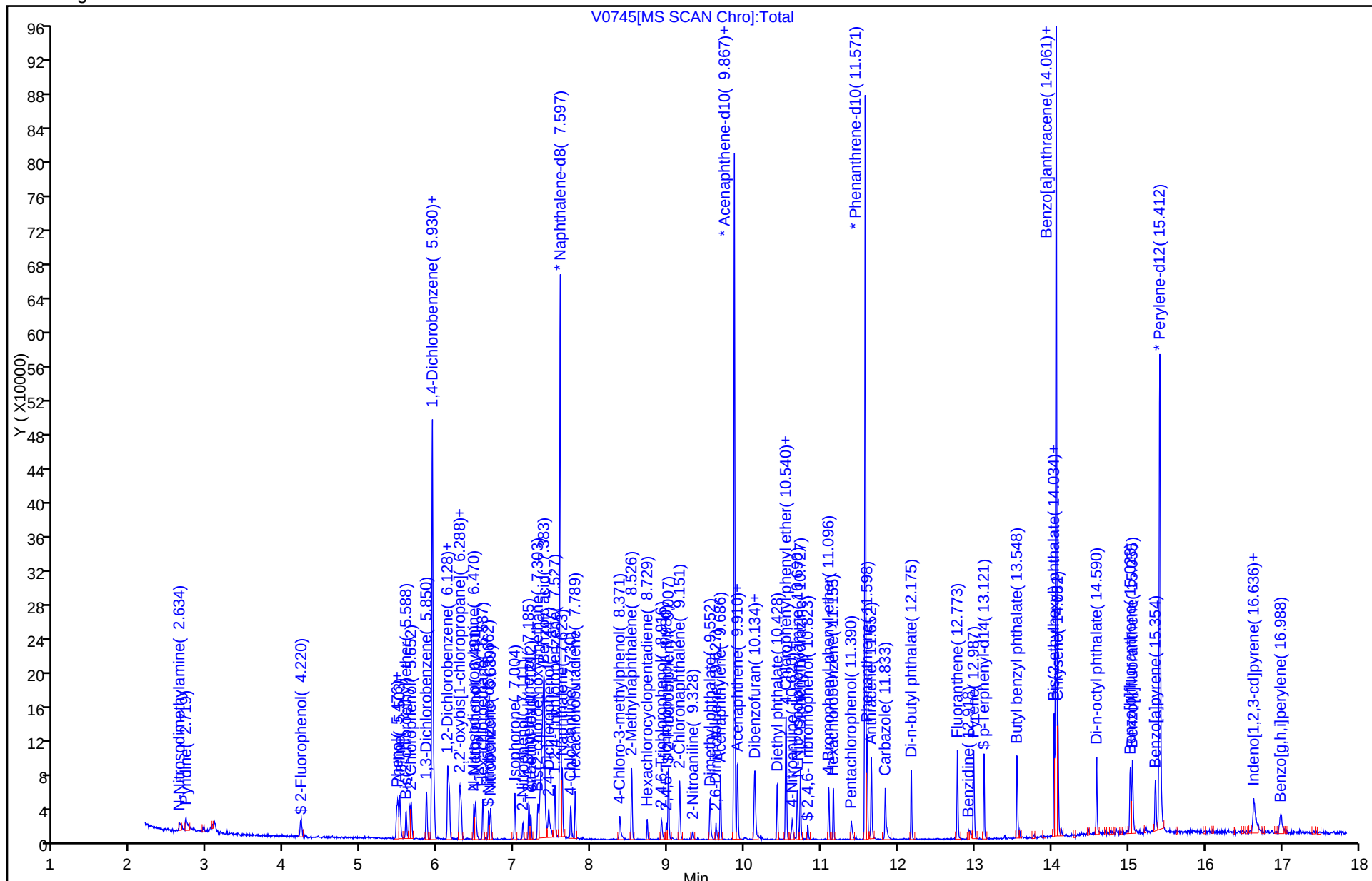
Operator ID: HL

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:

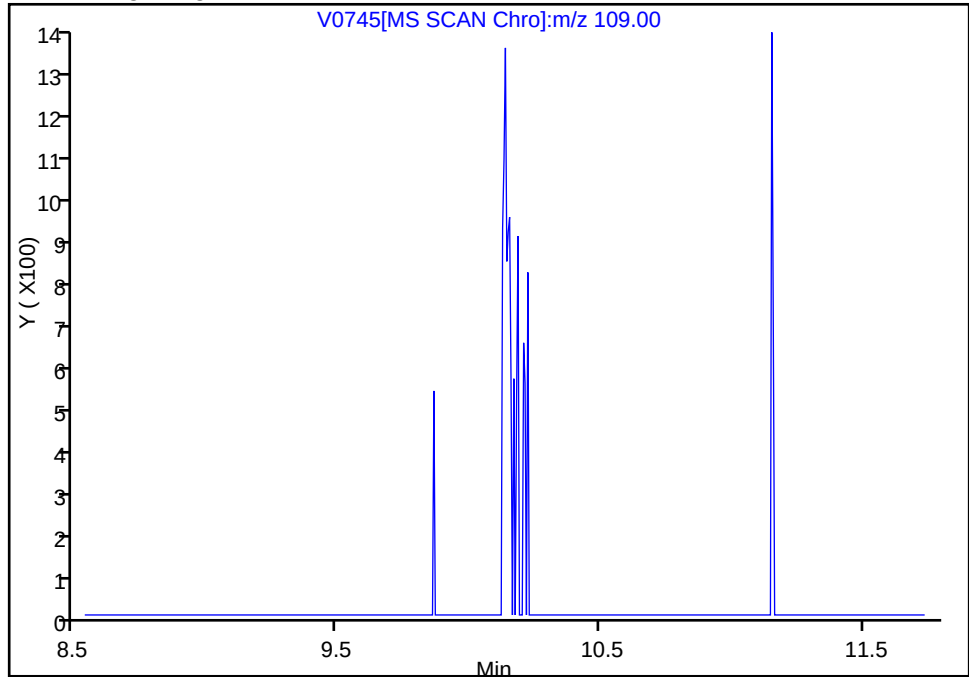


Data File:	\\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0745.D		
Injection Date:	18-May-2012 16:10:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	65015	Lims Sample ID:	2
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

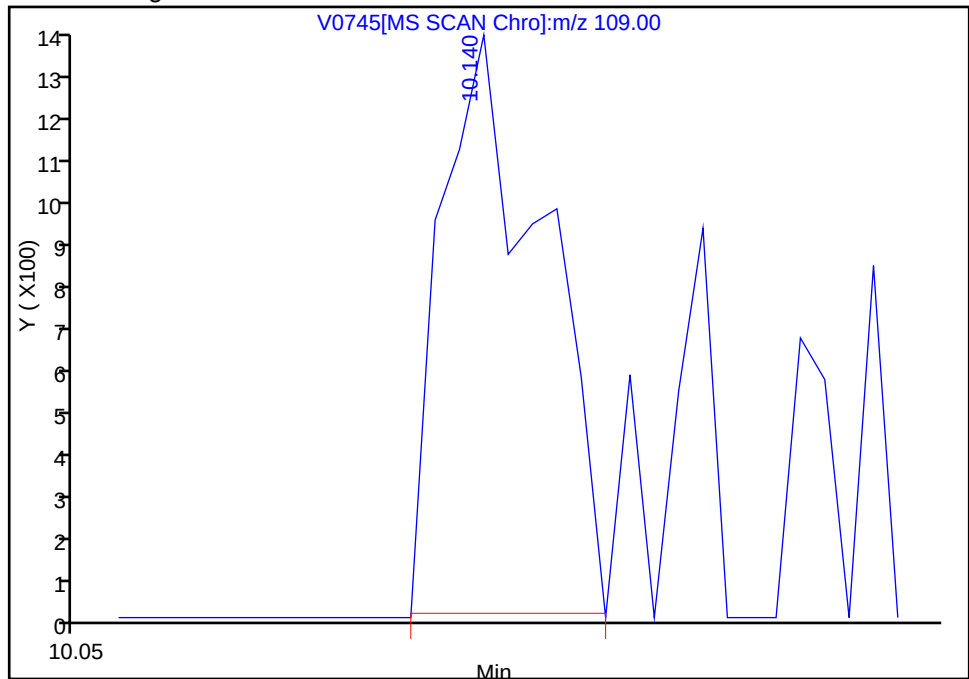
153 4-Nitrophenol, Signal: 1, m/z: 109.0 Type: quant, RT: 10.14

Not Detected
Expected RT: 10.14

Processing Integration Results



Manual Integration Results



RT:	10.14
Response:	2082
Amount:	11.933653

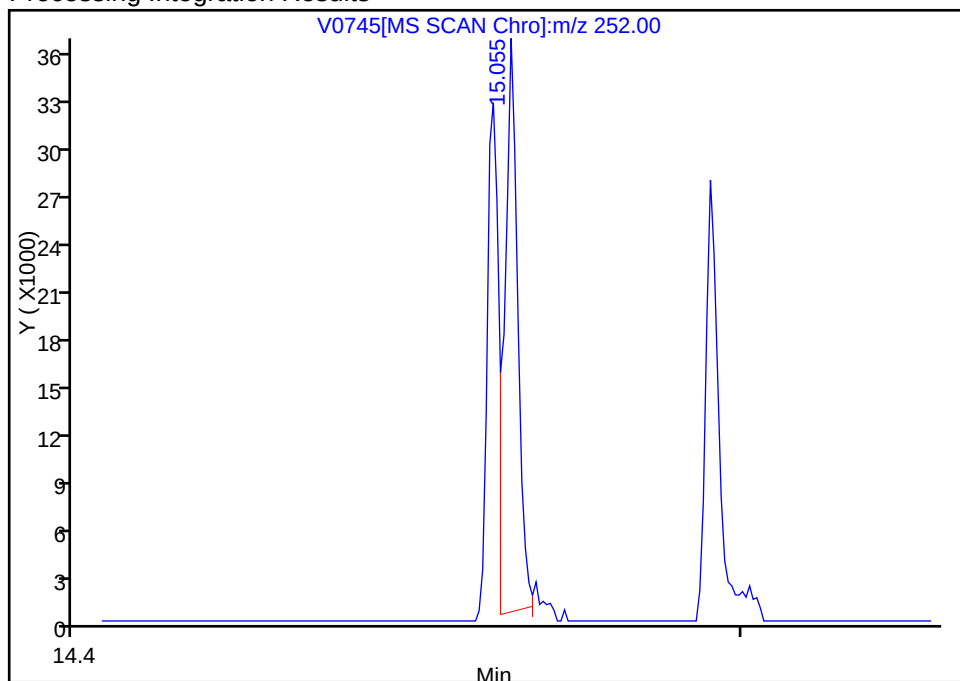
Reviewer: lyh, 19-May-2012 11:54:35
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File:	\\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0745.D		
Injection Date:	18-May-2012 16:10:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	65015	Lims Sample ID:	2
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

214 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 15.05

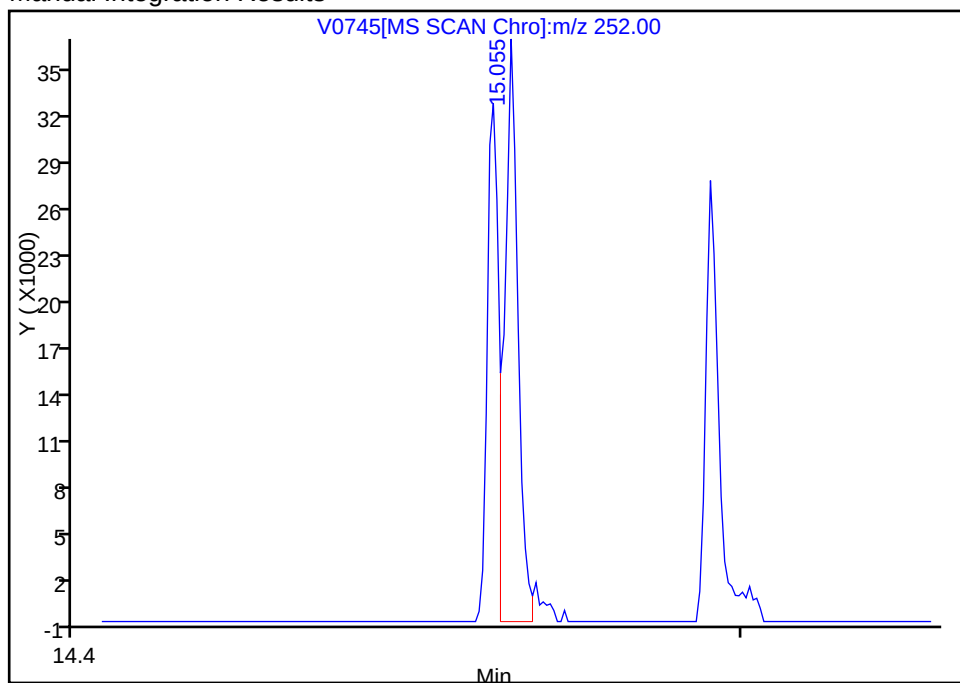
RT: 15.05
Response: 50171
Amount: 5.849707

Processing Integration Results



RT: 15.05
Response: 52312
Amount: 5.962640

Manual Integration Results



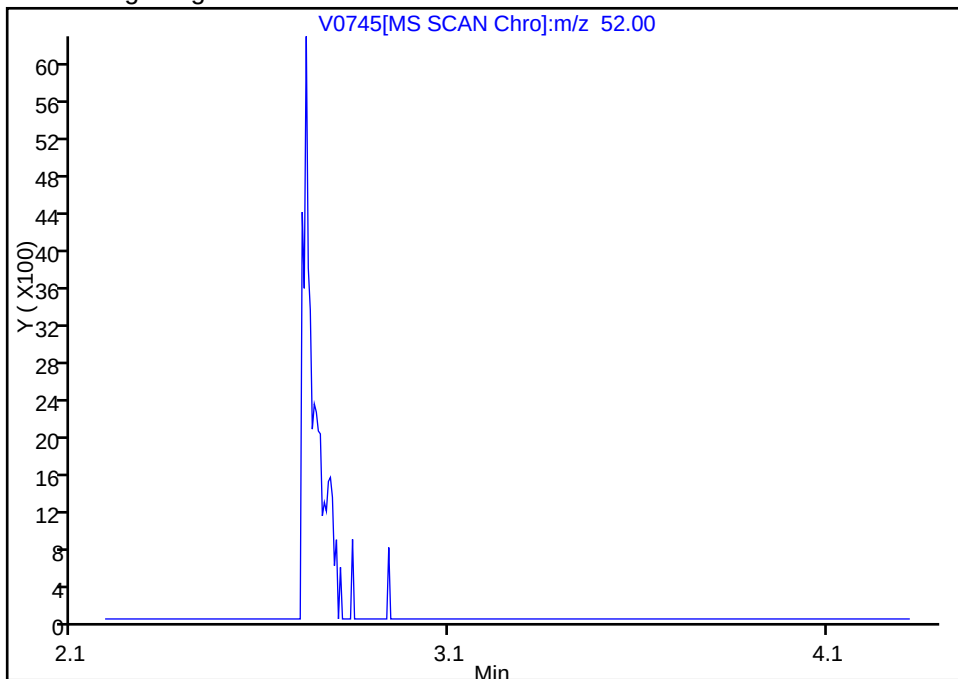
Reviewer: lyh, 19-May-2012 11:54:35
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File: \\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0745.D
Injection Date: 18-May-2012 16:10:30 Limit Group: MB - 8270C ICAL
Client ID: Instrument ID: HP5973V
Lims Batch ID: 65015 Lims Sample ID: 2
Operator ID: HL Injection Vol: 1.00 ul
Column Type: RXI-5Sil MS Column Dia: 0.25 mm

82 Pyridine, Signal: 1, m/z: 52.0 Type: quant, RT: 2.72

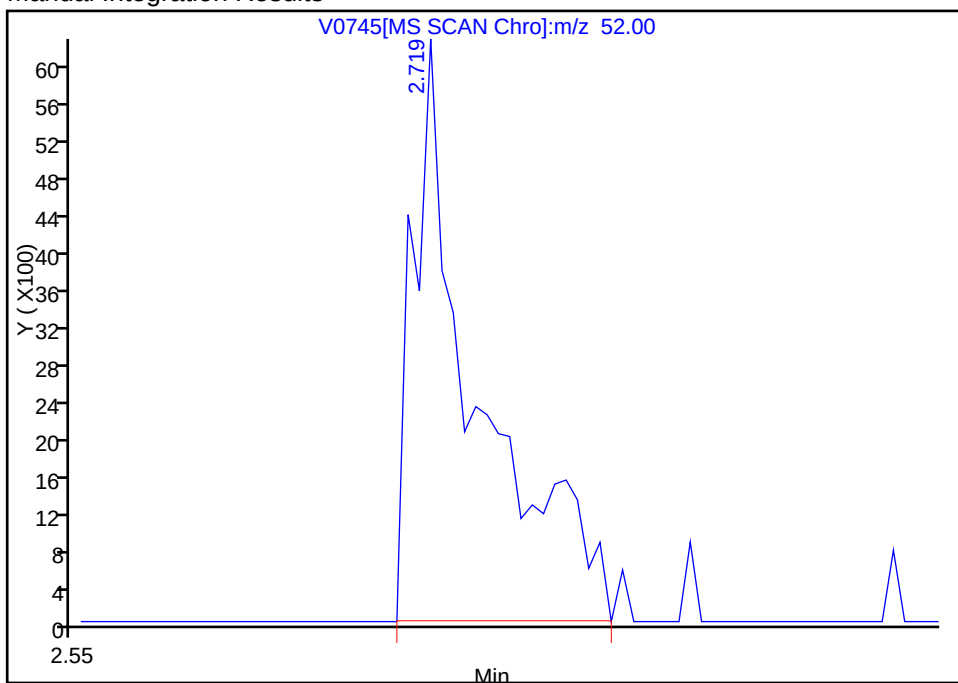
Not Detected
Expected RT: 2.72

Processing Integration Results



RT: 2.72
Response: 13016
Amount: 4.554531

Manual Integration Results



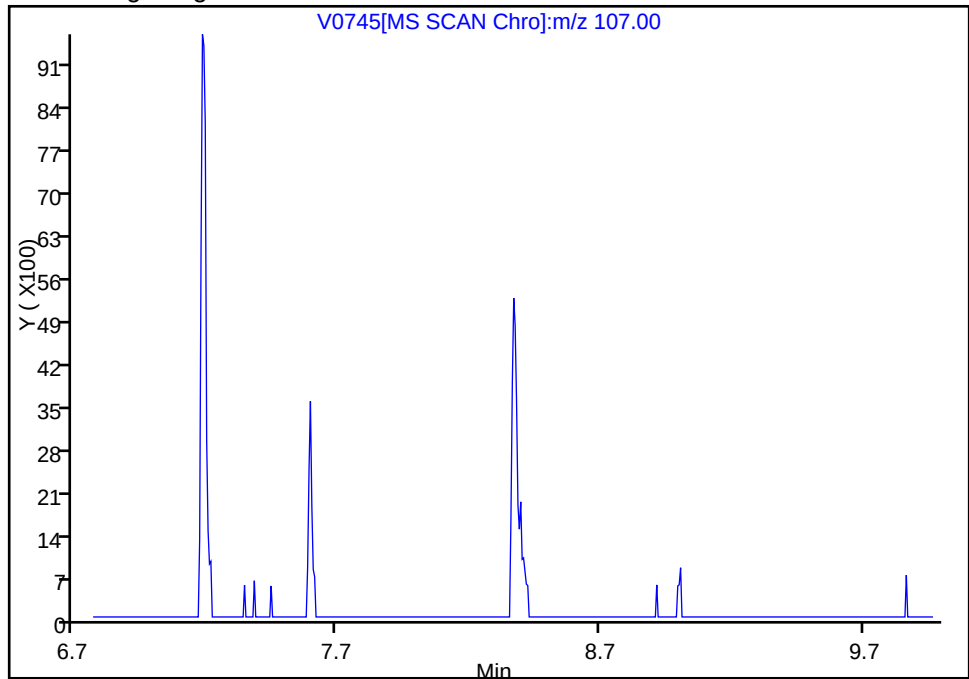
Reviewer: lyh, 19-May-2012 11:54:35
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File: \\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0745.D
Injection Date: 18-May-2012 16:10:30 Limit Group: MB - 8270C ICAL
Client ID: Instrument ID: HP5973V
Lims Batch ID: 65015 Lims Sample ID: 2
Operator ID: HL Injection Vol: 1.00 ul
Column Type: RXI-5Sil MS Column Dia: 0.25 mm

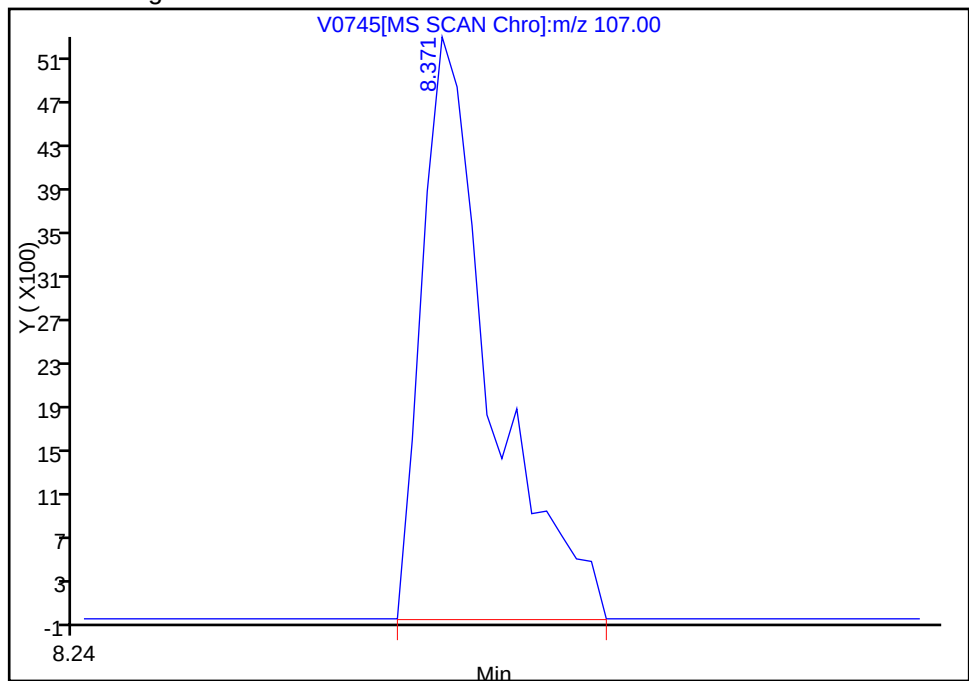
131 4-Chloro-3-methylphenol, Signal: 1, m/z: 107.0 Type: quant, RT: 8.37

Not Detected
Expected RT: 8.37

Processing Integration Results



Manual Integration Results



RT: 8.37
Response: 8955
Amount: 3.697633

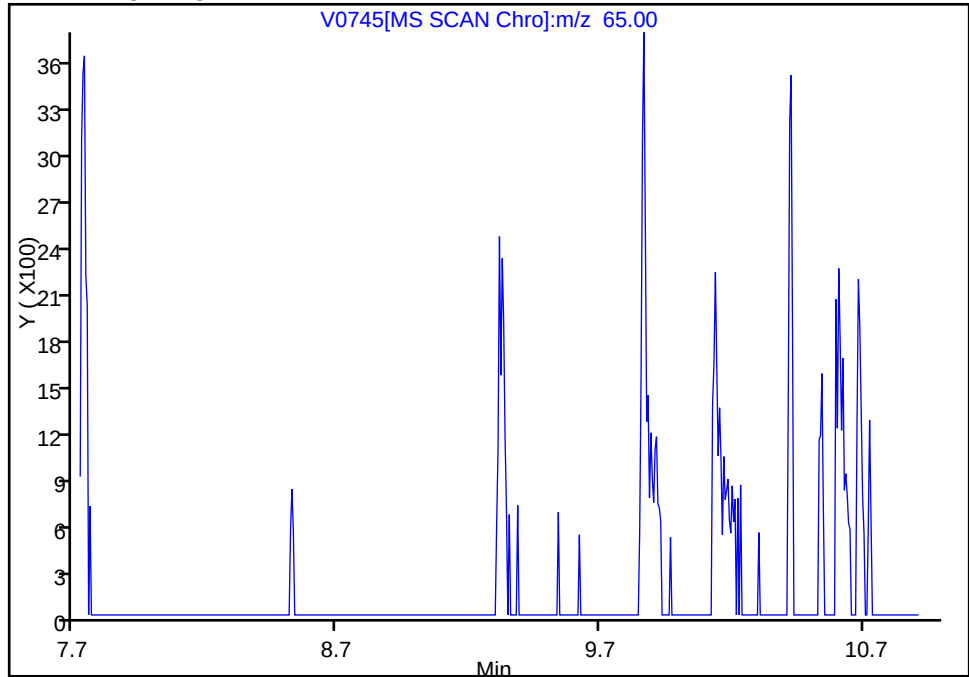
Reviewer: lyh, 19-May-2012 11:54:35
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File:	\\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0745.D		
Injection Date:	18-May-2012 16:10:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	65015	Lims Sample ID:	2
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

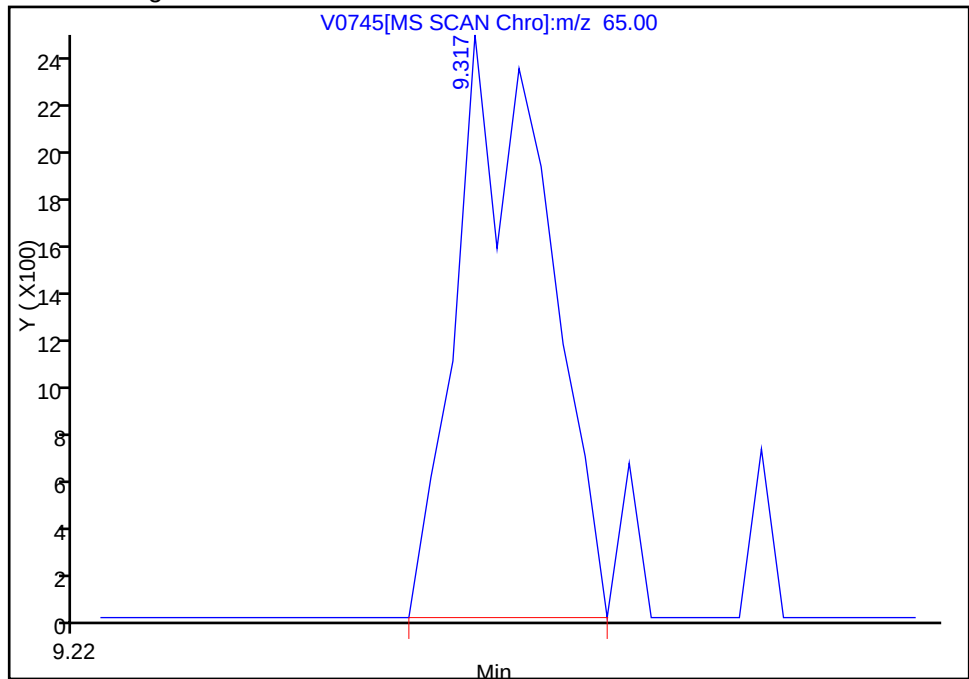
145 2-Nitroaniline, Signal: 1, m/z: 65.0 Type: quant, RT: 9.32

Not Detected
Expected RT: 9.32

Processing Integration Results



Manual Integration Results

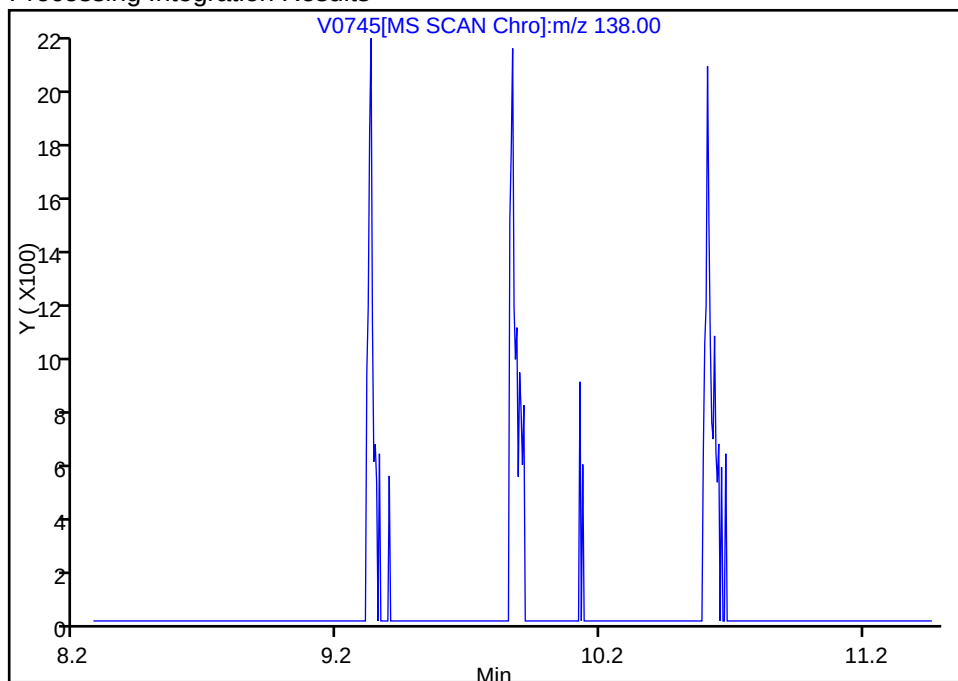
RT: 9.32
Response: 3741
Amount: 5.265731Reviewer: lyh, 19-May-2012 11:54:35
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File:	\\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0745.D		
Injection Date:	18-May-2012 16:10:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	65015	Lims Sample ID:	2
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

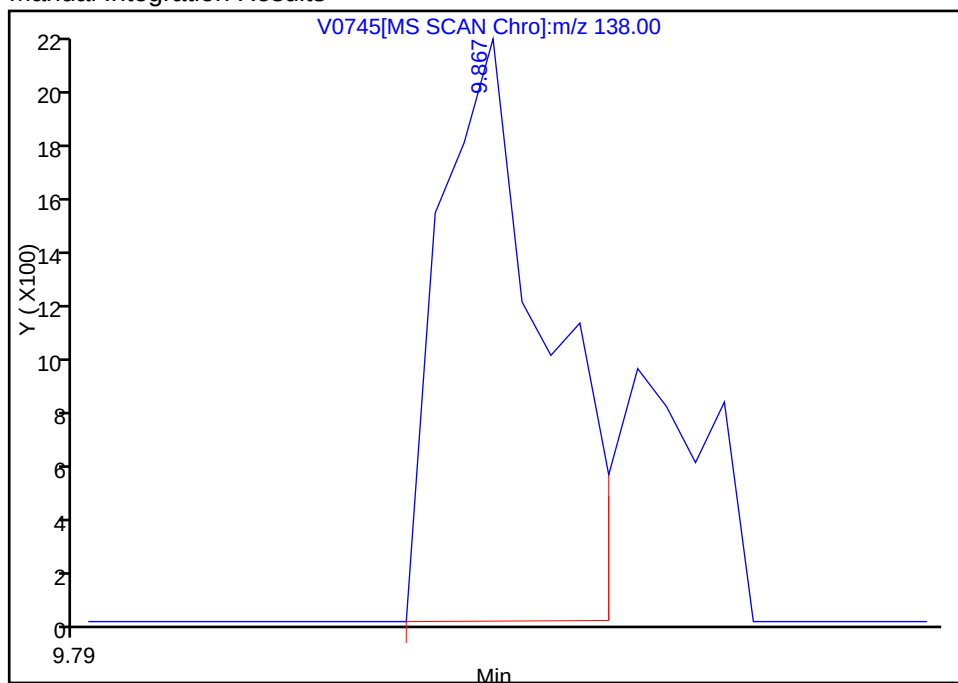
150 3-Nitroaniline, Signal: 1, m/z: 138.0 Type: quant, RT: 9.87

Not Detected
Expected RT: 9.87

Processing Integration Results

RT: 9.87
Response: 2950
Amount: 5.092298

Manual Integration Results

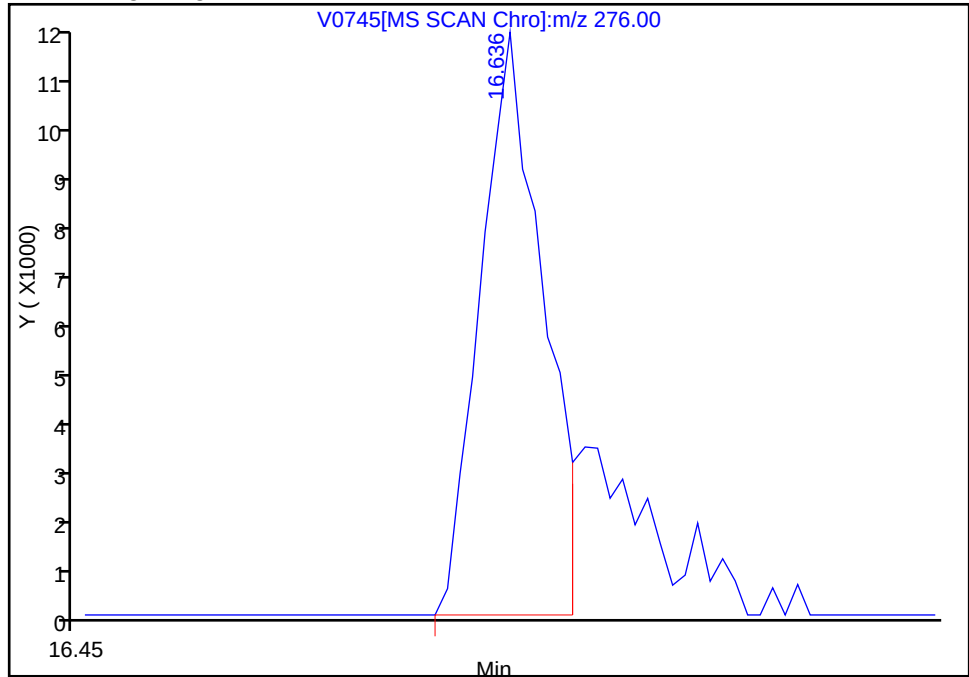
Reviewer: lyh, 19-May-2012 11:54:35
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File:	\\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0745.D		
Injection Date:	18-May-2012 16:10:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	65015	Lims Sample ID:	2
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

219 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 16.64

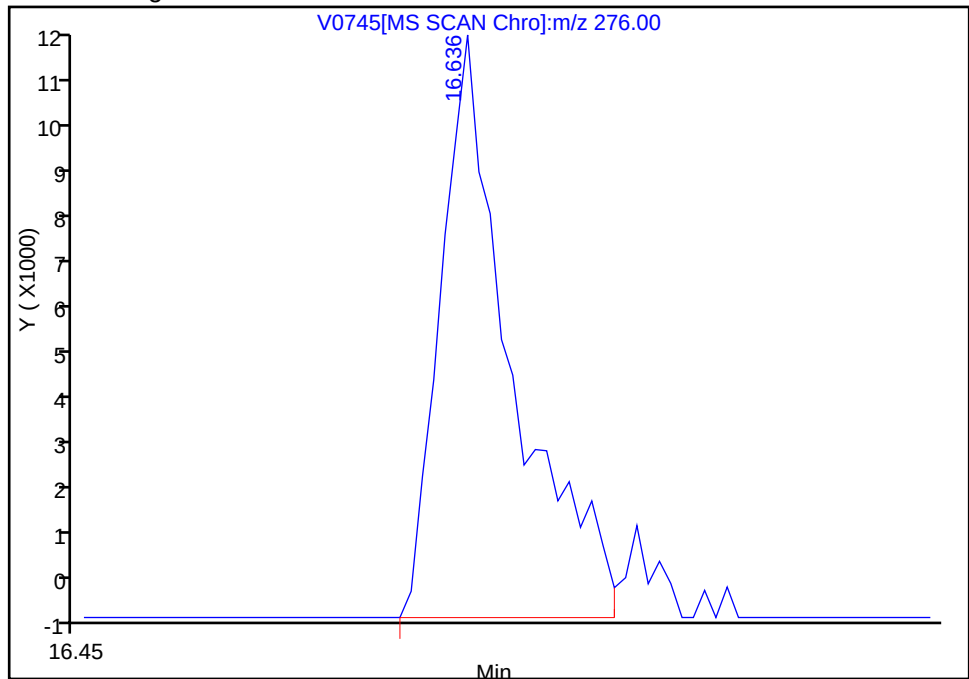
RT: 16.64
Response: 22208
Amount: 3.564813

Processing Integration Results



RT: 16.64
Response: 28110
Amount: 4.287823

Manual Integration Results



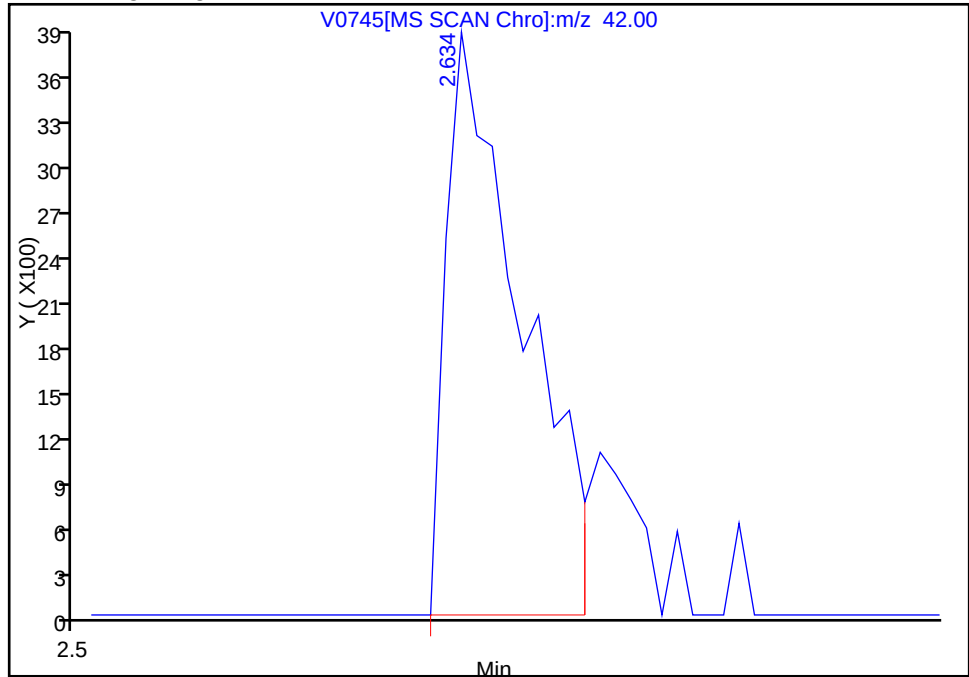
Reviewer: lyh, 19-May-2012 11:54:35
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File:	\\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0745.D		
Injection Date:	18-May-2012 16:10:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	65015	Lims Sample ID:	2
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

81 N-Nitrosodimethylamine, Signal: 1, m/z: 42.0 Type: quant, RT: 2.63

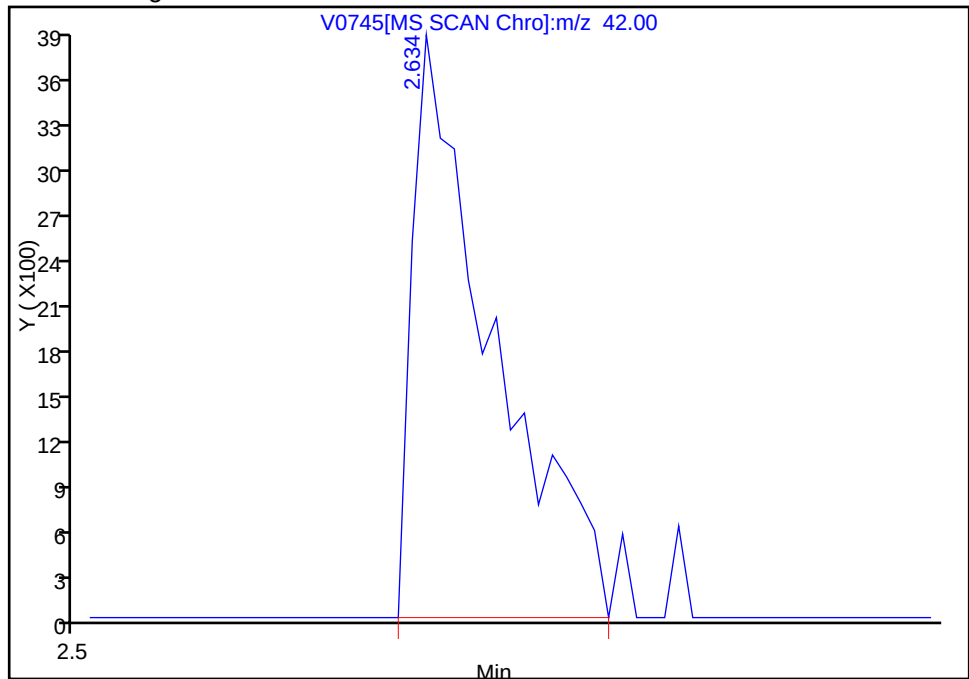
RT: 2.63
Response: 7014
Amount: 3.697959

Processing Integration Results



RT: 2.63
Response: 8085
Amount: 4.092799

Manual Integration Results



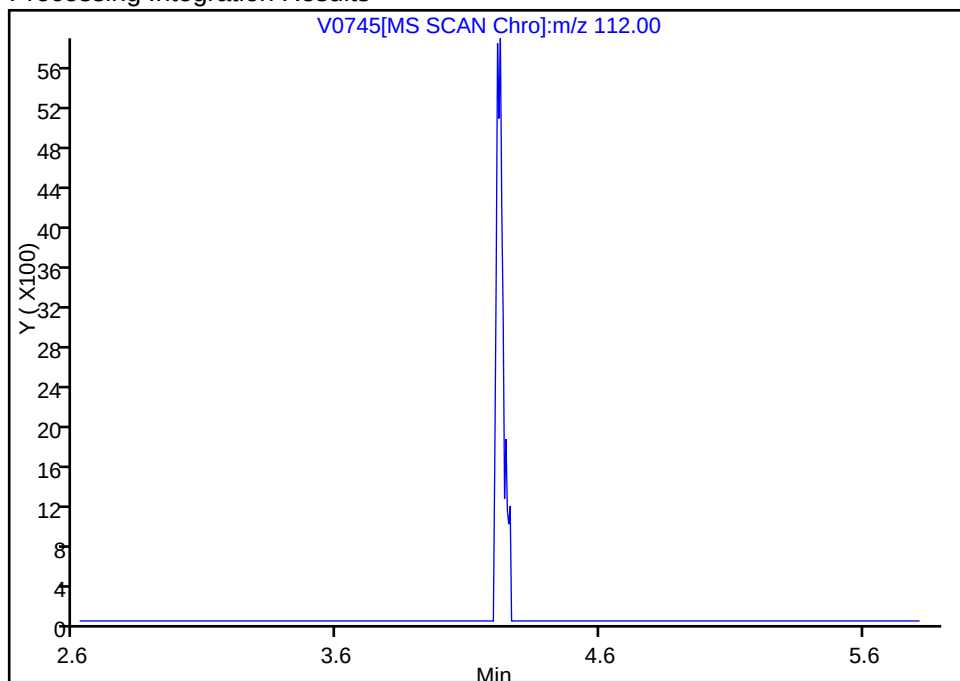
Reviewer: lyh, 19-May-2012 11:54:35
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File:	\\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0745.D		
Injection Date:	18-May-2012 16:10:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	65015	Lims Sample ID:	2
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

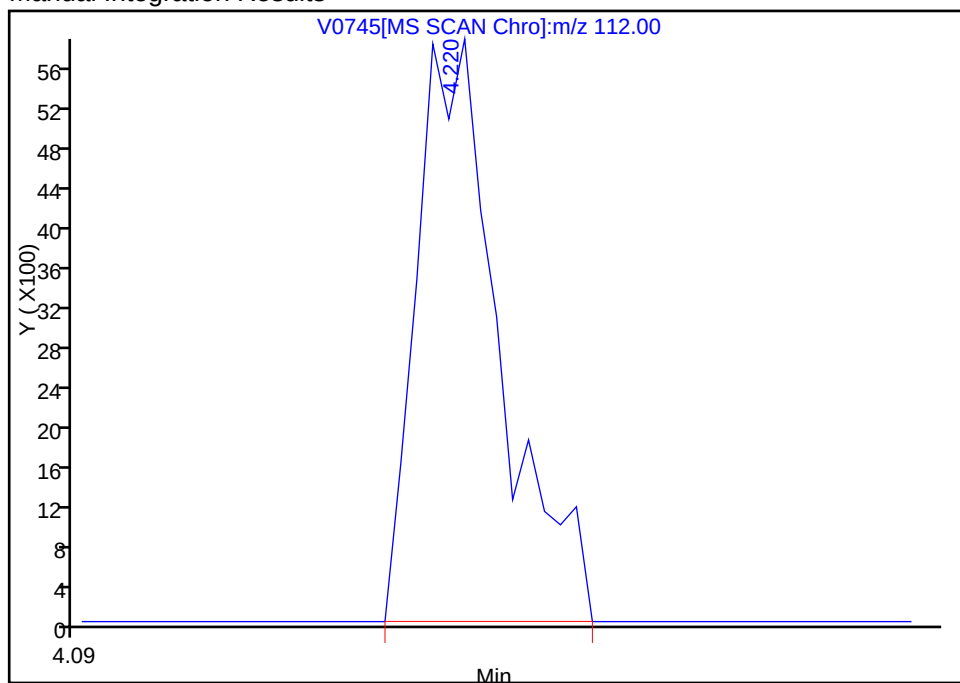
\$ 9 2-Fluorophenol, Signal: 1, m/z: 112.0 Type: quant, RT: 4.22

Not Detected
Expected RT: 4.22

Processing Integration Results

RT: 4.22
Response: 11184
Amount: 4.178664

Manual Integration Results

Reviewer: lyh, 19-May-2012 11:54:35
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0746.D
 Lims ID: IC 20 - 8270 Client ID:
 Inject. Date: 18-May-2012 16:34:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: 480-0012017-003
 Misc. Info.: IC 20 - 8270
 Operator: HL Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 65015 Lims Sample ID: 3
 Sublist: chrom-V-8270*sub23
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20120518-12017.b\V-8270.m
 Last Update: 19-May-2012 13:02:49 Calib Date: 18-May-2012 18:10:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICAL File: \\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0750.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: lyh

Date: 19-May-2012 13:02:49

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.930	5.930	0.0	96	79591	40.0	
* 2 Naphthalene-d8	136	7.597	7.597	0.0	99	291790	40.0	
* 3 Acenaphthene-d10	164	9.867	9.867	0.0	85	193859	40.0	
* 4 Phenanthrene-d10	188	11.571	11.571	0.0	97	313928	40.0	
* 5 Chrysene-d12	240	14.061	14.061	0.0	95	306558	40.0	
* 6 Perylene-d12	264	15.412	15.412	0.0	98	302802	40.0	
\$ 9 2-Fluorophenol	112	4.210	4.220	-0.010	82	48776	19.9	
\$ 10 Phenol-d5	99	5.460	5.465	-0.005	98	67993	20.4	
\$ 11 Nitrobenzene-d5	82	6.662	6.662	0.0	87	54202	19.5	
\$ 12 2-Fluorobiphenyl	172	9.007	9.007	0.0	97	114132	20.3	
\$ 13 2,4,6-Tribromophenol	330	10.818	10.823	-0.005	59	10993	18.3	
\$ 14 p-Terphenyl-d14	244	13.115	13.121	-0.006	96	131021	20.9	
81 N-Nitrosodimethylamine	42	2.623	2.634	-0.011	77	35693	19.8	M
82 Pyridine	52	2.687	2.719	-0.032	81	52400	20.1	M
89 Phenol	94	5.476	5.487	-0.011	92	76133	20.0	
90 Aniline	93	5.503	5.503	0.0	87	86157	20.4	
91 Bis(2-chloroethyl)ether	93	5.588	5.588	0.0	90	56301	20.6	
93 2-Chlorophenol	128	5.652	5.652	0.0	89	55400	20.6	
94 1,3-Dichlorobenzene	146	5.850	5.850	0.0	94	63668	20.9	
95 1,4-Dichlorobenzene	146	5.951	5.951	0.0	91	63969	20.7	
96 Benzyl alcohol	108	6.122	6.133	-0.011	79	31602	18.7	
97 1,2-Dichlorobenzene	146	6.149	6.149	0.0	85	58242	20.0	
98 2-Methylphenol	108	6.277	6.283	-0.006	93	50356	19.9	
99 2,2'-oxybis[1-chloropropane]	45	6.304	6.299	0.005	90	105906	19.4	
101 N-Nitrosodi-n-propylamine	70	6.470	6.470	0.0	89	38072	18.8	
102 4-Methylphenol	108	6.486	6.496	-0.010	91	50141	19.1	
106 Hexachloroethane	117	6.587	6.582	0.005	94	22535	19.7	
107 Nitrobenzene	77	6.683	6.689	-0.006	85	62278	20.0	
110 Isophorone	82	7.004	7.004	0.0	97	102903	19.5	
111 2-Nitrophenol	139	7.105	7.105	0.0	88	22733	18.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
112 2,4-Dimethylphenol	107	7.180	7.185	-0.005	97	54242	20.0	
113 Tetraethyl lead	237	7.212	7.217	-0.005	87	19795	23.0	
115 Bis(2-chloroethoxy)methane	93	7.298	7.303	-0.005	93	57728	19.6	
119 Benzoic acid	105	7.399	7.383	0.016	84	193980	120.9	
117 2,4-Dichlorophenol	162	7.431	7.447	-0.016	82	43431	19.9	
120 1,2,4-Trichlorobenzene	180	7.527	7.527	0.0	91	46055	19.7	
121 Naphthalene	128	7.623	7.623	0.0	91	155394	20.9	
123 4-Chloroaniline	127	7.720	7.736	-0.016	94	60298	20.2	
126 Hexachlorobutadiene	225	7.794	7.794	0.0	89	27351	20.9	
131 4-Chloro-3-methylphenol	107	8.366	8.371	-0.005	85	42561	19.2	
133 2-Methylnaphthalene	142	8.526	8.526	0.0	86	102490	19.9	
136 Hexachlorocyclopentadiene	237	8.729	8.729	0.0	92	23649	18.4	
139 2,4,6-Trichlorophenol	196	8.906	8.911	-0.005	82	31324	20.4	
140 2,4,5-Trichlorophenol	196	8.964	8.980	-0.016	86	31002	19.8	M
143 2-Chloronaphthalene	162	9.151	9.151	0.0	96	100672	20.2	
145 2-Nitroaniline	65	9.306	9.317	-0.011	61	25452	18.1	M
147 Dimethyl phthalate	163	9.547	9.547	0.0	97	119177	20.9	
148 2,6-Dinitrotoluene	165	9.621	9.632	-0.011	87	23877	20.5	
149 Acenaphthylene	152	9.686	9.686	0.0	90	155658	20.3	
150 3-Nitroaniline	138	9.846	9.867	-0.021	87	23322	19.3	M
151 Acenaphthene	153	9.905	9.910	-0.005	90	94580	20.1	
152 2,4-Dinitrophenol	184	9.985	9.995	-0.010	20	6230	20.3	M
153 4-Nitrophenol	109	10.102	10.140	-0.038	0	9163	20.0	M
154 2,4-Dinitrotoluene	165	10.134	10.140	-0.006	86	30244	19.1	
155 Dibenzofuran	168	10.124	10.129	-0.005	89	144126	20.4	
160 Diethyl phthalate	149	10.428	10.428	0.0	95	111588	20.4	
161 Fluorene	166	10.535	10.535	0.0	84	123740	20.7	
162 4-Chlorophenyl phenyl ether	204	10.546	10.546	0.0	93	58964	20.5	
164 4-Nitroaniline	138	10.588	10.610	-0.022	67	22921	19.2	
166 4,6-Dinitro-2-methylphenol	198	10.615	10.620	-0.005	68	14454	19.4	
167 N-Nitrosodiphenylamine	169	10.685	10.690	-0.005	57	81704	20.5	
168 1,2-Diphenylhydrazine	77	10.727	10.727	0.0	99	131866	20.2	
176 4-Bromophenyl phenyl ether	248	11.096	11.096	0.0	67	31354	20.5	
177 Hexachlorobenzene	284	11.155	11.155	0.0	87	30975	20.7	
181 Pentachlorophenol	266	11.390	11.390	0.0	53	15729	20.6	
185 Phenanthrene	178	11.598	11.598	0.0	96	178089	20.9	
188 Anthracene	178	11.652	11.652	0.0	96	181030	20.9	
189 Carbazole	167	11.828	11.833	-0.005	81	169551	21.0	
192 Di-n-butyl phthalate	149	12.170	12.175	-0.005	99	187714	20.2	
197 Fluoranthene	202	12.773	12.773	0.0	96	198546	21.0	
198 Benzidine	184	12.907	12.923	-0.016	85	83729	20.6	M
199 Pyrene	202	12.982	12.987	-0.005	98	201467	20.5	
205 Butyl benzyl phthalate	149	13.548	13.548	0.0	98	85376	19.7	
203 3,3'-Dimethylbenzidine	212		13.559					
208 3,3'-Dichlorobenzidine	252	14.029	14.034	-0.005	45	58385	19.0	
210 Bis(2-ethylhexyl) phthalate	149	14.034	14.034	0.0	96	116621	20.0	
209 Benzo[a]anthracene	228	14.050	14.050	0.0	97	181385	20.6	
211 Chrysene	228	14.088	14.082	0.006	91	176855	20.5	
212 Di-n-octyl phthalate	149	14.590	14.590	0.0	99	184548	18.7	
213 Benzo[b]fluoranthene	252	15.022	15.028	-0.006	91	167761	20.5	
214 Benzo[k]fluoranthene	252	15.055	15.055	0.0	98	185462	20.8	
217 Benzo[a]pyrene	252	15.354	15.354	0.0	68	140338	19.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
220 Dibenz(a,h)anthracene	278	16.631	16.641	-0.011	49	102081	18.0	
219 Indeno[1,2,3-cd]pyrene	276	16.625	16.636	-0.011	96	127136	19.1	
221 Benzo[g,h,i]perylene	276	16.978	16.988	-0.010	85	105961	19.8	
S 222 Total Cresols	1				0		39.0	
S 78 3-Methylphenol	1				0		19.1	
S 77 3 & 4 Methylphenol	108				0		19.1	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 19-May-2012 13:02:49

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0746.D

Injection Date: 18-May-2012 16:34:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973V

Lims Batch ID: 65015

Lims Sample ID: 3

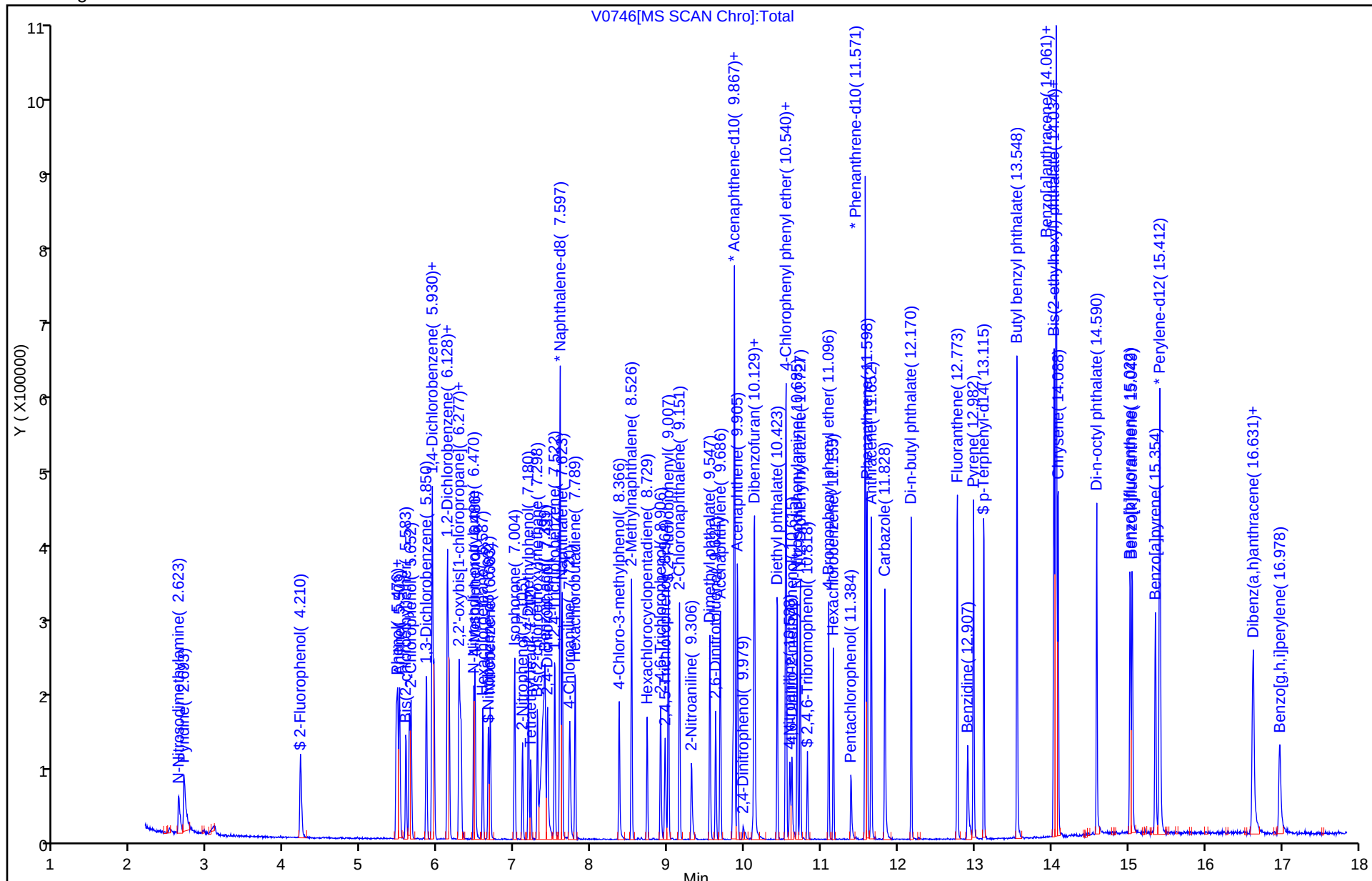
Operator ID: HL

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:

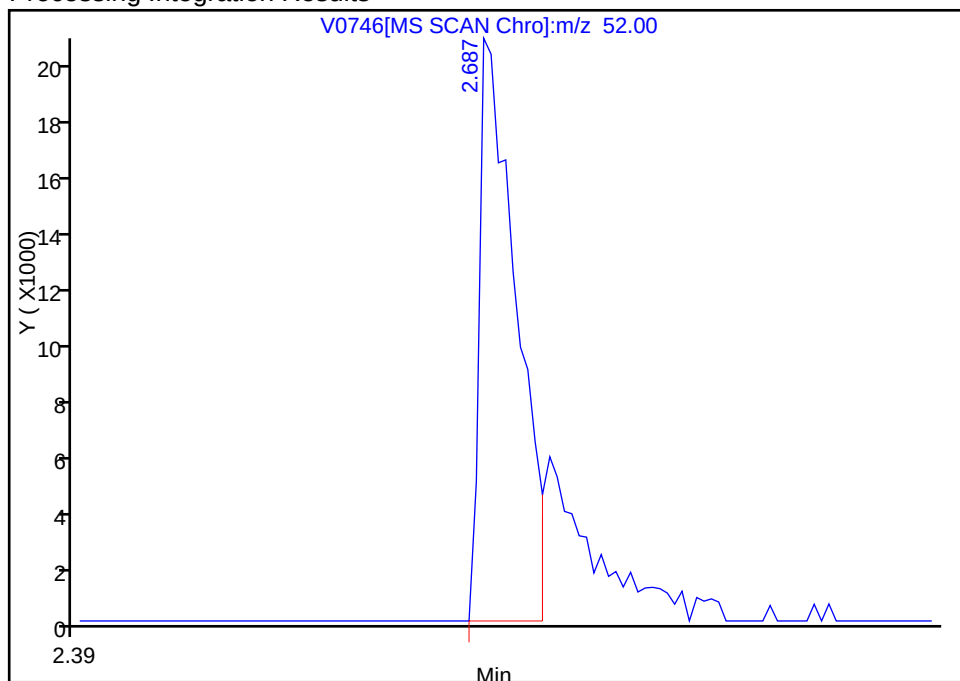


Data File:	\\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0746.D		
Injection Date:	18-May-2012 16:34:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	65015	Lims Sample ID:	3
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

82 Pyridine, Signal: 1, m/z: 52.0 Type: quant, RT: 2.72

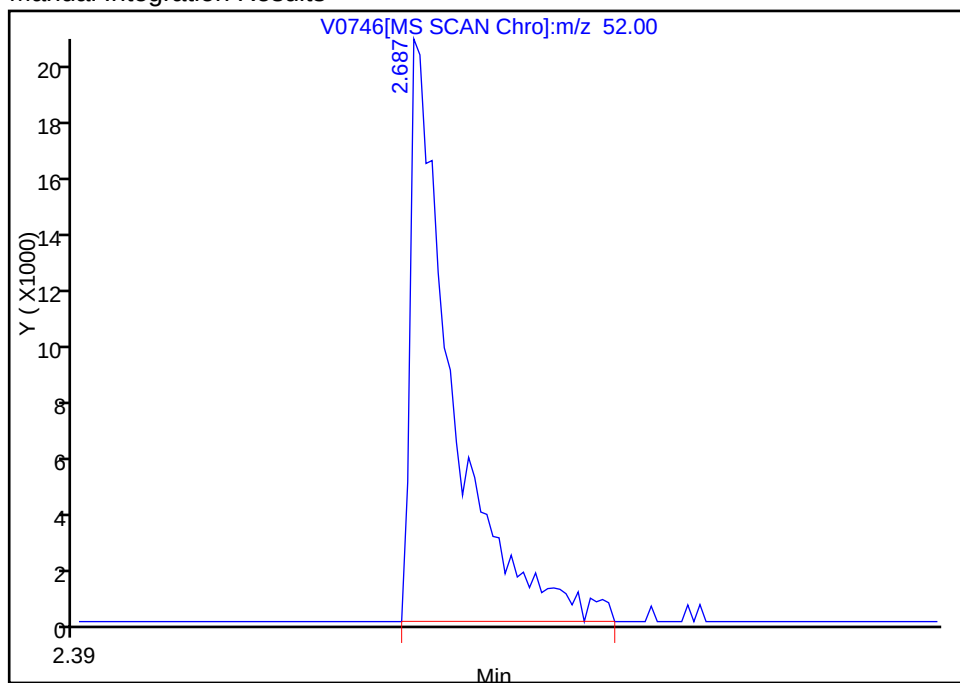
RT: 2.69
Response: 38173
Amount: 15.309684

Processing Integration Results



RT: 2.69
Response: 52400
Amount: 20.061659

Manual Integration Results



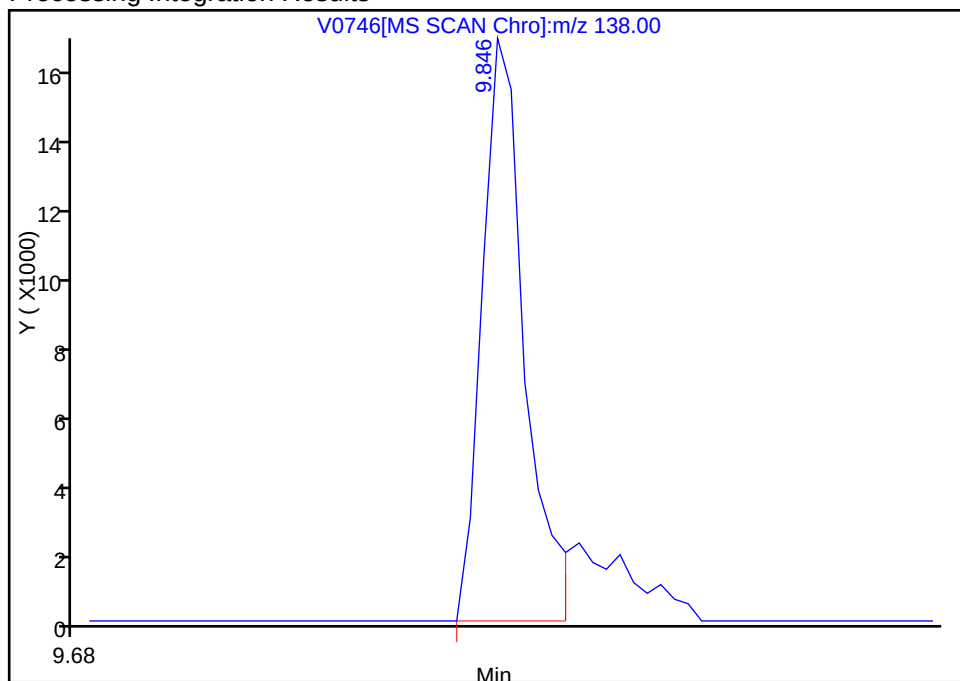
Reviewer: lyh, 19-May-2012 11:57:18
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File:	\\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0746.D		
Injection Date:	18-May-2012 16:34:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	65015	Lims Sample ID:	3
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

150 3-Nitroaniline, Signal: 1, m/z: 138.0 Type: quant, RT: 9.87

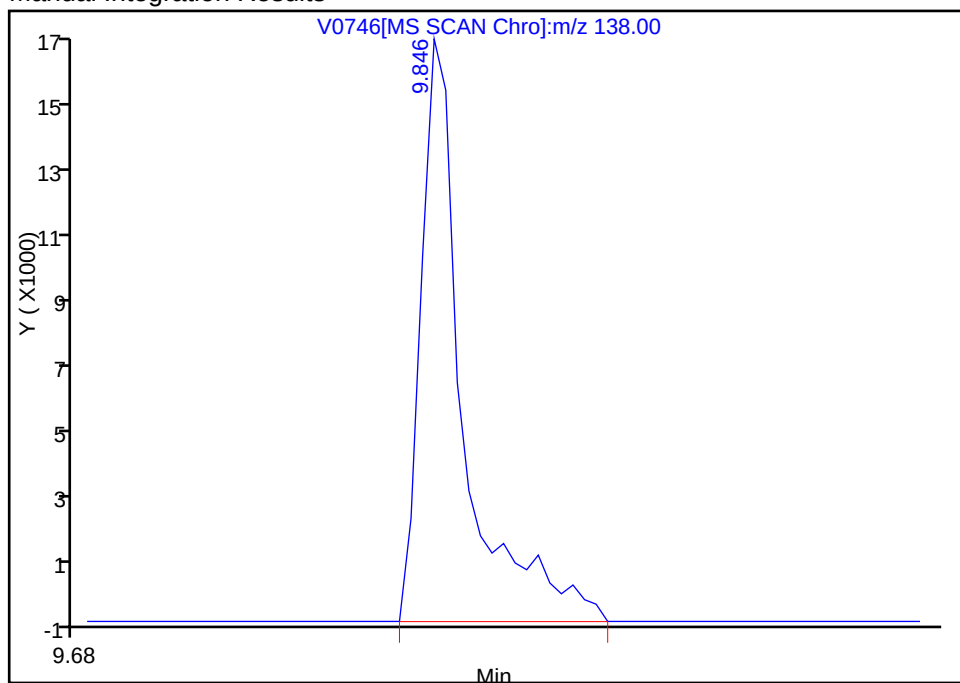
RT: 9.85
Response: 19609
Amount: 17.174847

Processing Integration Results



RT: 9.85
Response: 23322
Amount: 19.310246

Manual Integration Results



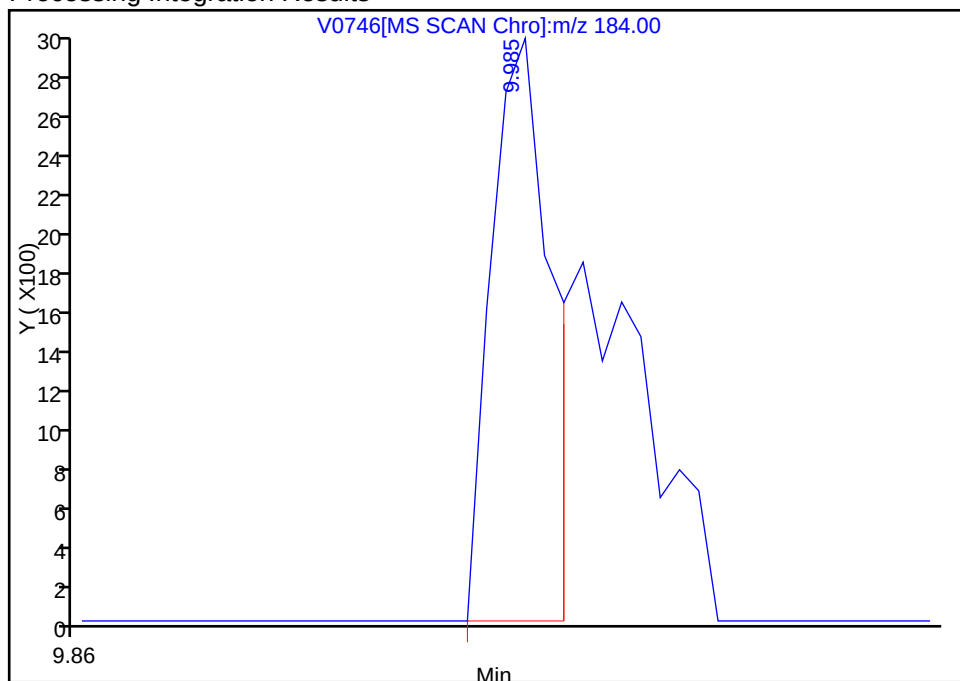
Reviewer: lyh, 19-May-2012 11:57:18
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File:	\\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0746.D		
Injection Date:	18-May-2012 16:34:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	65015	Lims Sample ID:	3
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

152 2,4-Dinitrophenol, Signal: 1, m/z: 184.0 Type: quant, RT: 10.00

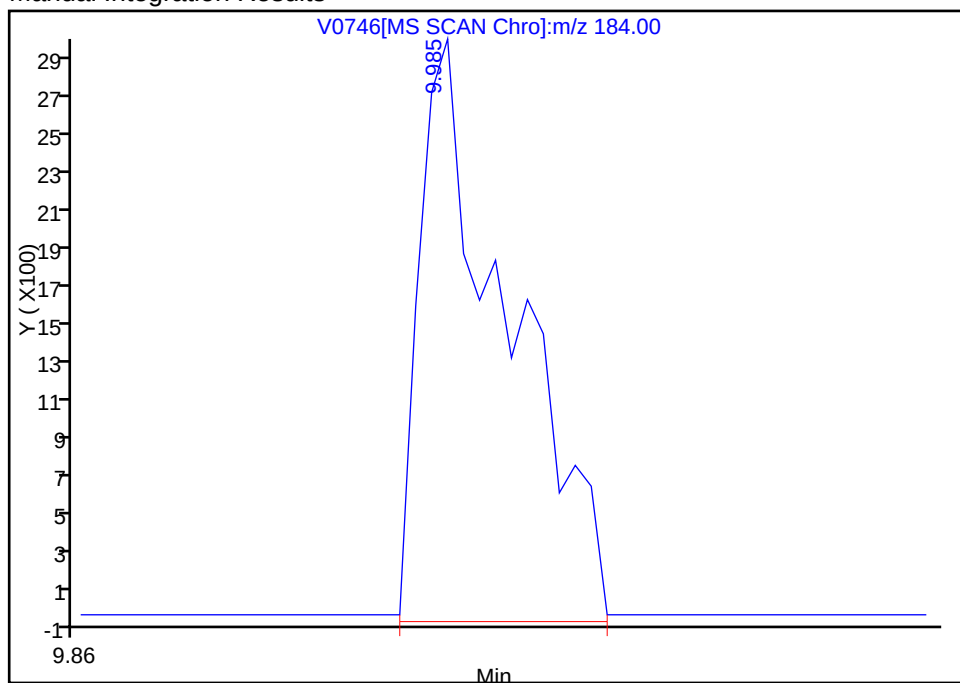
RT: 9.98
Response: 3428
Amount: 17.374831

Processing Integration Results



RT: 9.98
Response: 6230
Amount: 20.349056

Manual Integration Results



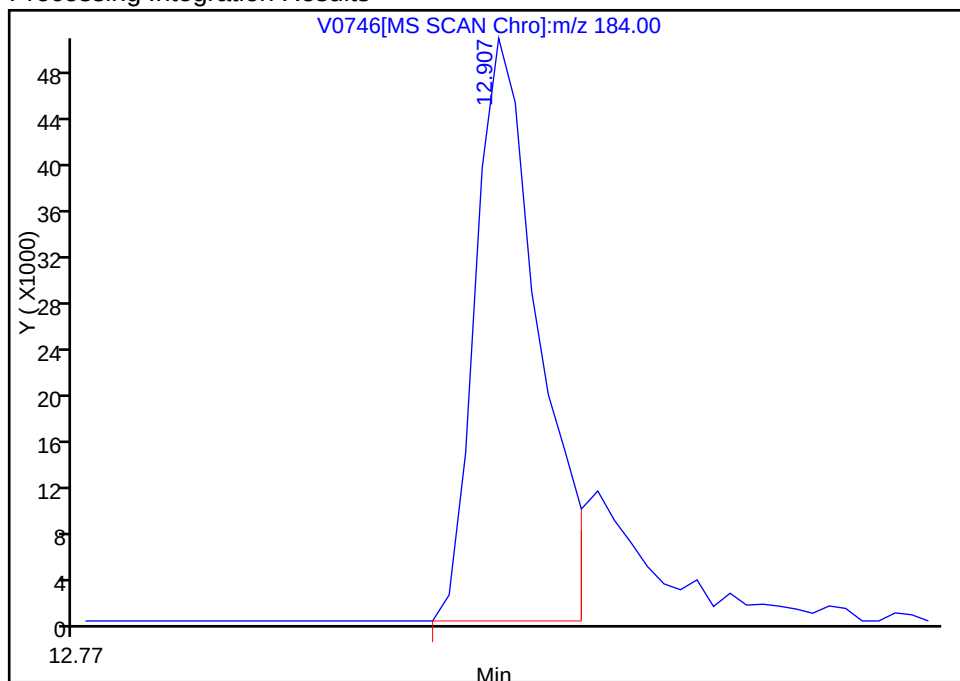
Reviewer: lyh, 19-May-2012 11:57:18
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File:	\\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0746.D		
Injection Date:	18-May-2012 16:34:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	65015	Lims Sample ID:	3
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

198 Benzidine, Signal: 1, m/z: 184.0 Type: quant, RT: 12.92

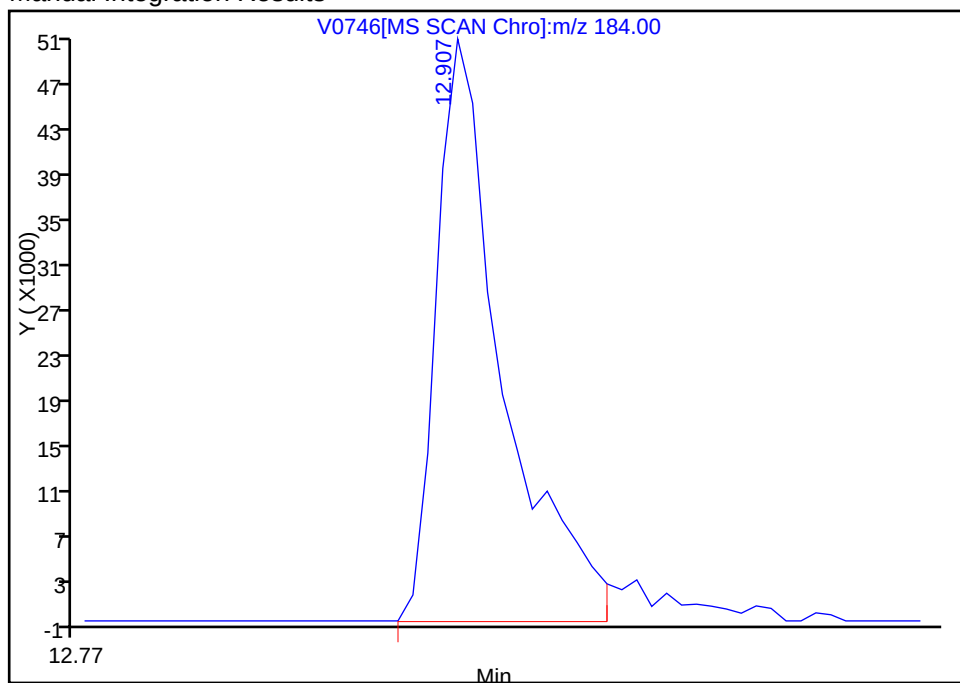
RT: 12.91
Response: 72239
Amount: 18.209387

Processing Integration Results



RT: 12.91
Response: 83729
Amount: 20.608289

Manual Integration Results



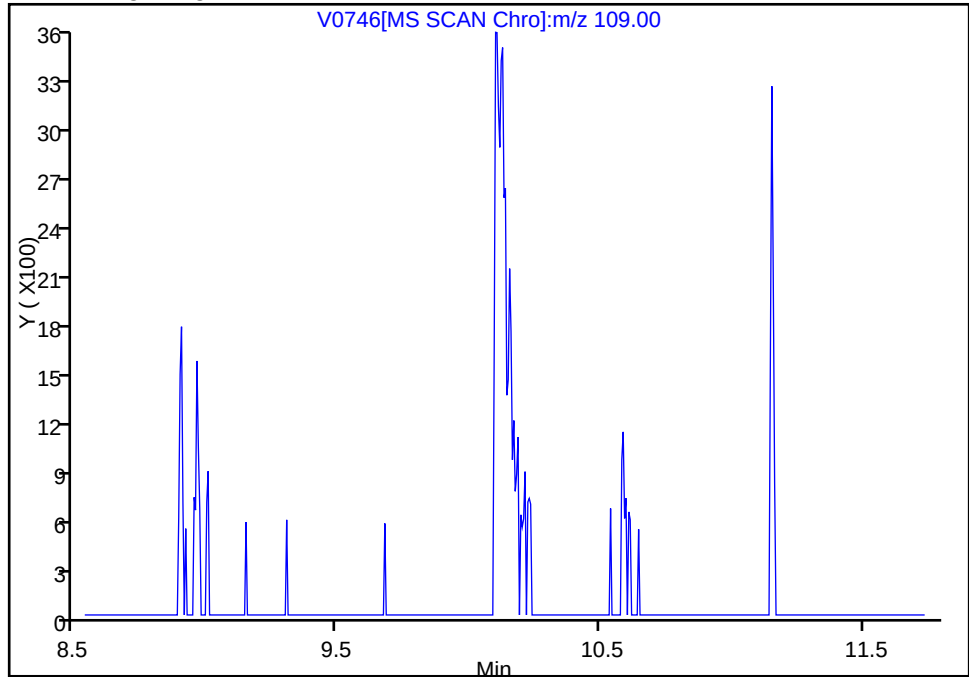
Reviewer: lyh, 19-May-2012 11:57:18
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File:	\\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0746.D		
Injection Date:	18-May-2012 16:34:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	65015	Lims Sample ID:	3
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

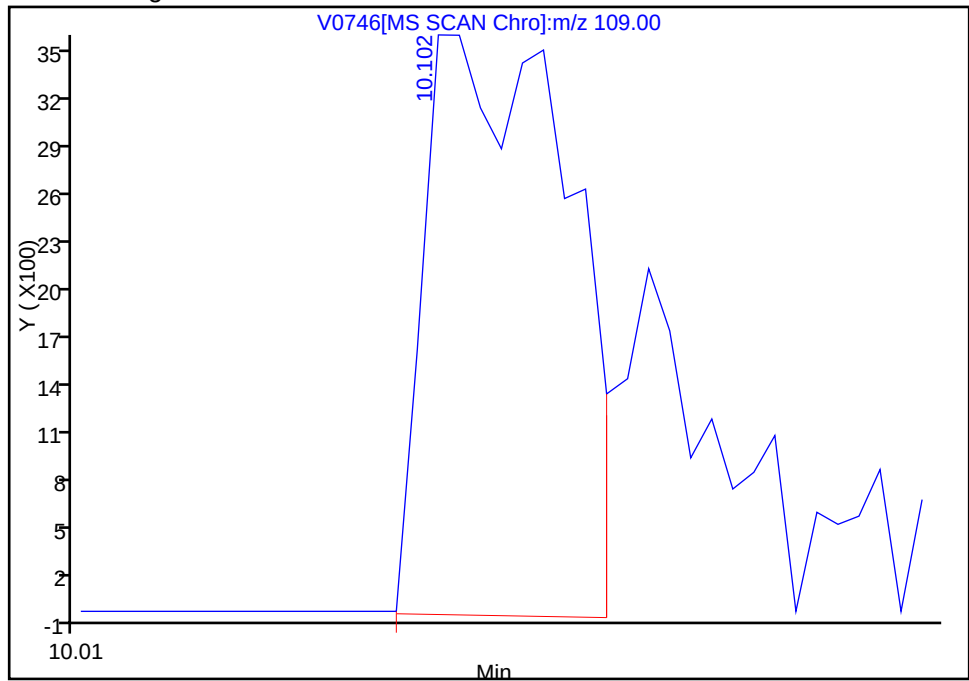
153 4-Nitrophenol, Signal: 1, m/z: 109.0 Type: quant, RT: 10.14

Not Detected
Expected RT: 10.14

Processing Integration Results



Manual Integration Results

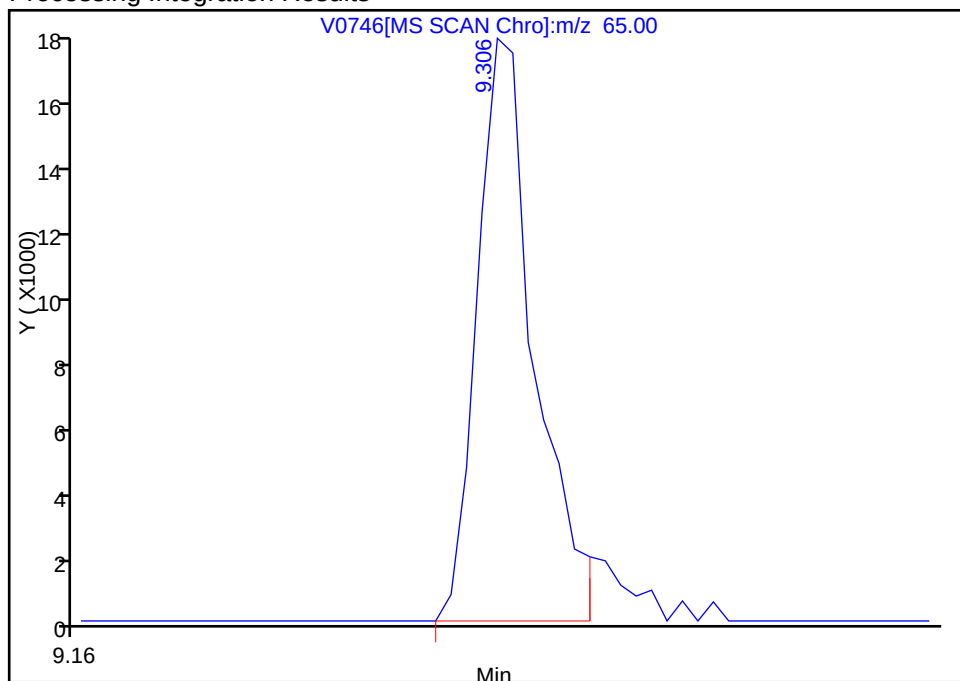
RT: 10.10
Response: 9163
Amount: 20.036413Reviewer: lyh, 19-May-2012 11:57:18
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File:	\\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0746.D		
Injection Date:	18-May-2012 16:34:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	65015	Lims Sample ID:	3
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

145 2-Nitroaniline, Signal: 1, m/z: 65.0 Type: quant, RT: 9.32

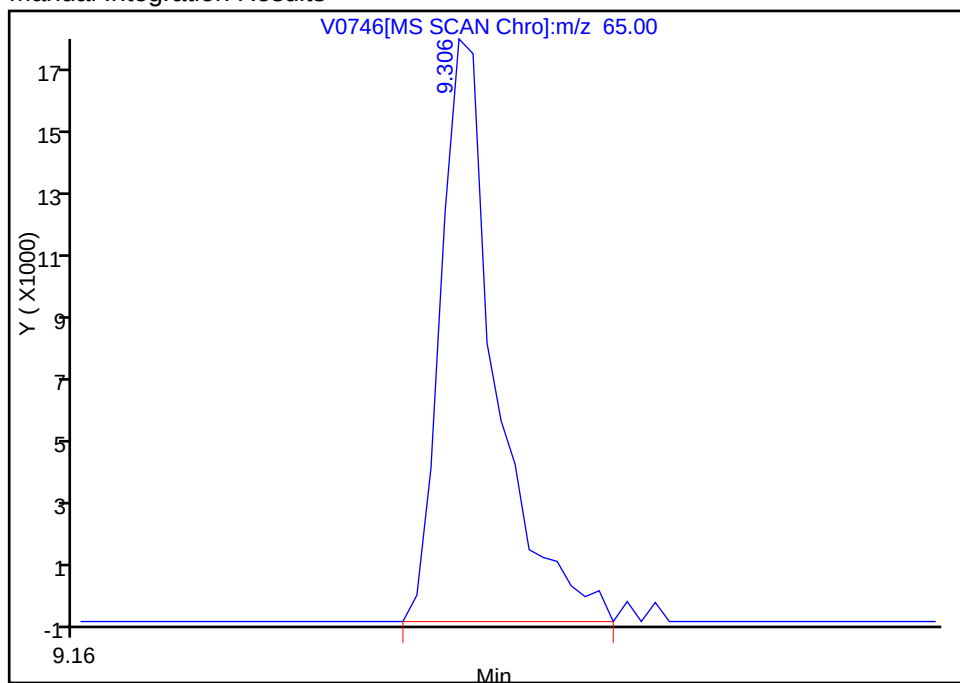
RT: 9.31
Response: 23991
Amount: 17.369203

Processing Integration Results



RT: 9.31
Response: 25452
Amount: 18.078483

Manual Integration Results



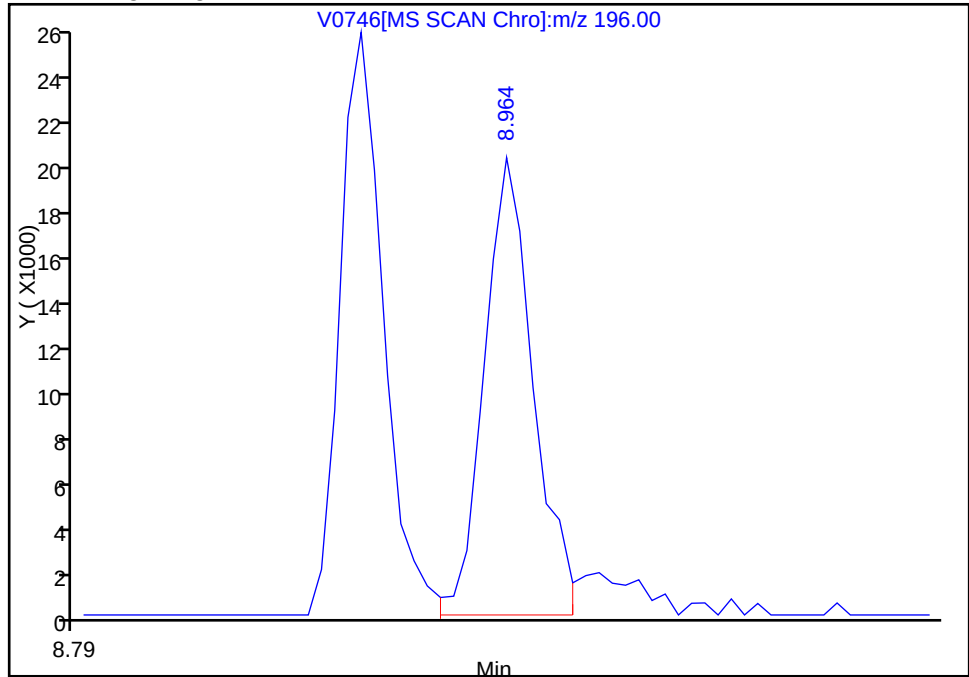
Reviewer: lyh, 19-May-2012 11:57:18
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File:	\\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0746.D		
Injection Date:	18-May-2012 16:34:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	65015	Lims Sample ID:	3
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

140 2,4,5-Trichlorophenol, Signal: 1, m/z: 196.0 Type: quant, RT: 8.98

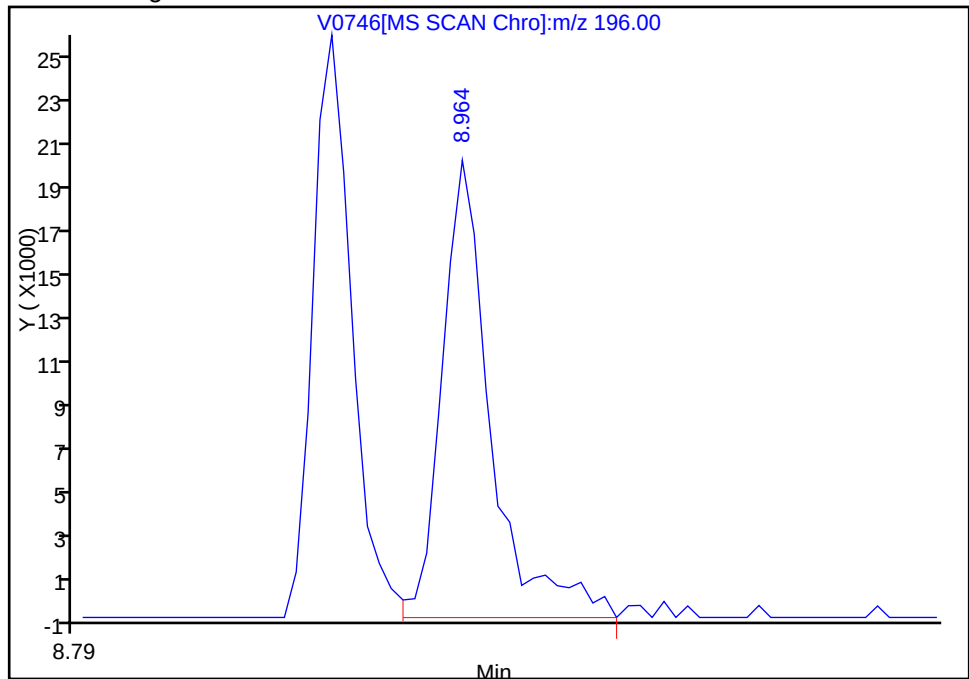
RT: 8.96
Response: 27929
Amount: 18.132053

Processing Integration Results



RT: 8.96
Response: 31002
Amount: 19.797955

Manual Integration Results



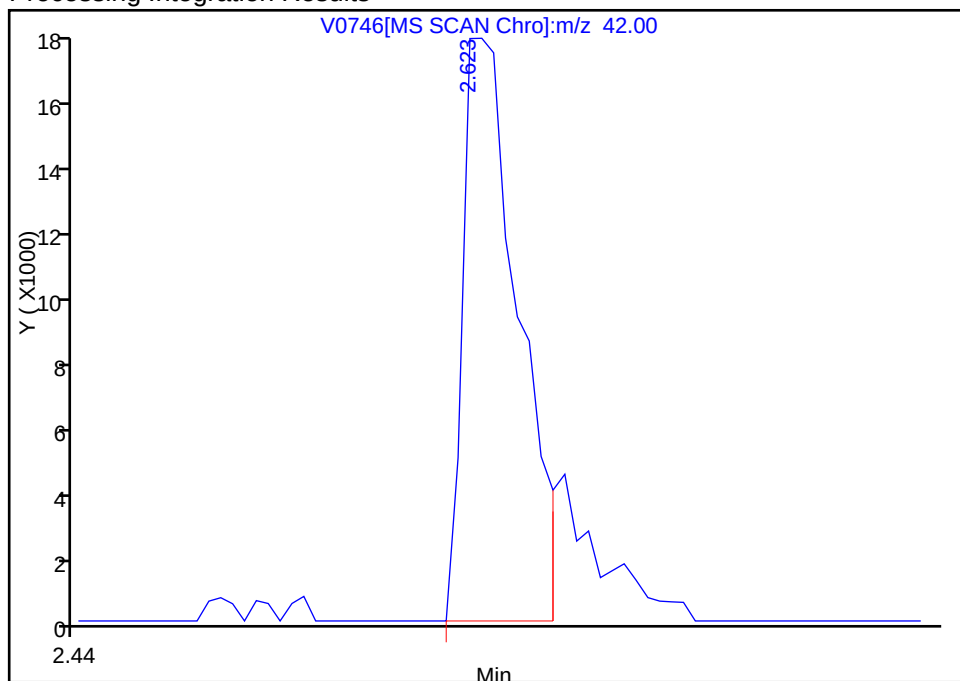
Reviewer: lyh, 19-May-2012 11:57:18
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File:	\\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0746.D		
Injection Date:	18-May-2012 16:34:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	65015	Lims Sample ID:	3
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

81 N-Nitrosodimethylamine, Signal: 1, m/z: 42.0 Type: quant, RT: 2.63

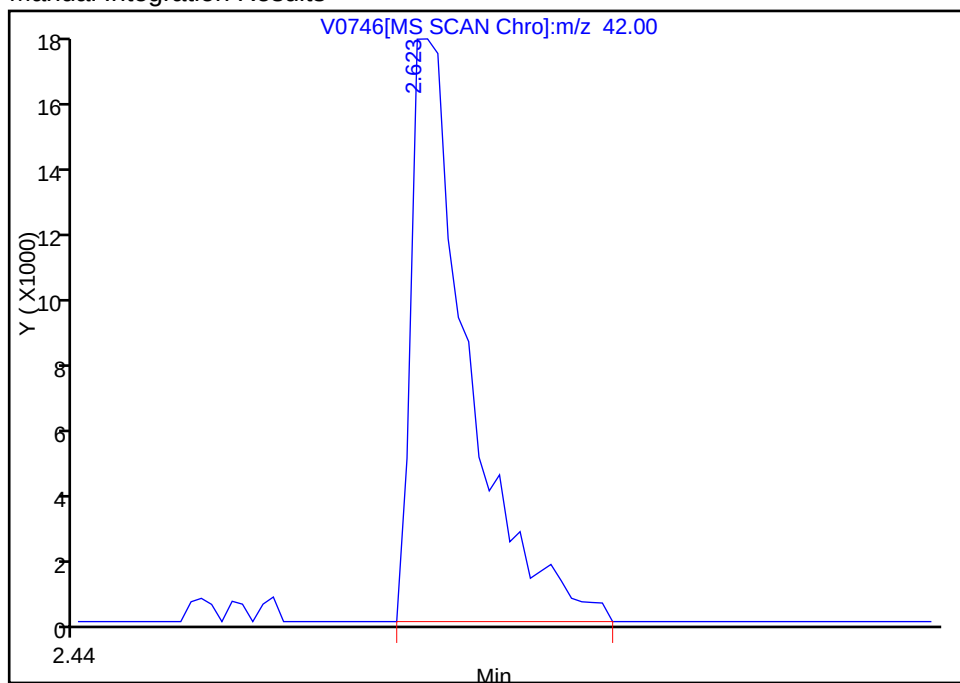
RT: 2.62
Response: 30086
Amount: 17.106519

Processing Integration Results



RT: 2.62
Response: 35693
Amount: 19.769371

Manual Integration Results



Reviewer: lyh, 19-May-2012 11:57:18
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0747.D
 Lims ID: ICIS 50 - 8270 Client ID:
 Inject. Date: 18-May-2012 16:58:30 Dil. Factor: 1.0000
 Sample Type: ICIS Calib Level: 3
 Sample ID: 480-0012017-004
 Misc. Info.: ICIS 50 - 8270
 Operator: HL Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 65015 Lims Sample ID: 4
 Sublist: chrom-V-8270*sub23
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20120518-12017.b\V-8270.m
 Last Update: 19-May-2012 13:02:52 Calib Date: 18-May-2012 18:10:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0750.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: lyh

Date: 19-May-2012 13:02:52

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.930	5.930	0.0	96	87972	40.0	
* 2 Naphthalene-d8	136	7.597	7.597	0.0	99	329592	40.0	
* 3 Acenaphthene-d10	164	9.867	9.867	0.0	84	226006	40.0	
* 4 Phenanthrene-d10	188	11.571	11.571	0.0	96	365683	40.0	
* 5 Chrysene-d12	240	14.066	14.066	0.0	95	336400	40.0	
* 6 Perylene-d12	264	15.412	15.412	0.0	99	336011	40.0	
\$ 9 2-Fluorophenol	112	4.210	4.210	0.0	91	146076	54.0	
\$ 10 Phenol-d5	99	5.465	5.465	0.0	97	195055	52.9	
\$ 11 Nitrobenzene-d5	82	6.662	6.662	0.0	91	168933	53.7	
\$ 12 2-Fluorobiphenyl	172	9.007	9.007	0.0	100	333488	50.9	
\$ 13 2,4,6-Tribromophenol	330	10.818	10.818	0.0	86	40252	53.1	
\$ 14 p-Terphenyl-d14	244	13.121	13.121	0.0	99	358982	52.1	
81 N-Nitrosodimethylamine	42	2.618	2.618	0.0	74	108539	54.4	
82 Pyridine	52	2.682	2.682	0.0	83	150680	52.2	
89 Phenol	94	5.481	5.481	0.0	95	222531	52.8	
90 Aniline	93	5.502	5.502	0.0	88	238025	50.9	
91 Bis(2-chloroethyl)ether	93	5.588	5.588	0.0	92	153000	50.6	
93 2-Chlorophenol	128	5.652	5.652	0.0	91	155670	52.5	
94 1,3-Dichlorobenzene	146	5.850	5.850	0.0	96	175566	52.0	
95 1,4-Dichlorobenzene	146	5.951	5.951	0.0	80	179235	52.5	
96 Benzyl alcohol	108	6.128	6.128	0.0	83	103679	55.4	
97 1,2-Dichlorobenzene	146	6.149	6.149	0.0	94	167085	51.9	
98 2-Methylphenol	108	6.277	6.277	0.0	96	144064	51.6	
99 2,2'-oxybis[1-chloropropane]	45	6.298	6.298	0.0	91	318466	52.9	
101 N-Nitrosodi-n-propylamine	70	6.475	6.475	0.0	94	119160	53.1	
102 4-Methylphenol	108	6.485	6.485	0.0	92	154703	53.3	
106 Hexachloroethane	117	6.587	6.587	0.0	96	68214	53.9	
107 Nitrobenzene	77	6.688	6.688	0.0	86	187265	53.3	
110 Isophorone	82	7.004	7.004	0.0	98	314327	52.8	
111 2-Nitrophenol	139	7.105	7.105	0.0	97	81705	52.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
112 2,4-Dimethylphenol	107	7.185	7.185	0.0	98	160844	52.5	
113 Tetraethyl lead	237	7.212	7.212	0.0	90	47380	48.8	
115 Bis(2-chloroethoxy)methane	93	7.303	7.303	0.0	97	175613	52.7	
119 Benzoic acid	105	7.426	7.426	0.0	88	317814	158.5	
117 2,4-Dichlorophenol	162	7.426	7.426	0.0	96	130599	52.9	
120 1,2,4-Trichlorobenzene	180	7.527	7.527	0.0	93	139097	52.8	
121 Naphthalene	128	7.623	7.623	0.0	98	433854	51.8	
123 4-Chloroaniline	127	7.714	7.714	0.0	92	177867	52.7	
126 Hexachlorobutadiene	225	7.794	7.794	0.0	95	76637	51.9	
131 4-Chloro-3-methylphenol	107	8.361	8.361	0.0	91	139293	55.7	
133 2-Methylnaphthalene	142	8.526	8.526	0.0	90	303029	52.1	
136 Hexachlorocyclopentadiene	237	8.729	8.729	0.0	98	80574	49.0	
139 2,4,6-Trichlorophenol	196	8.900	8.900	0.0	94	92181	51.4	
140 2,4,5-Trichlorophenol	196	8.954	8.954	0.0	91	95739	52.4	
143 2-Chloronaphthalene	162	9.151	9.151	0.0	97	305619	52.5	
145 2-Nitroaniline	65	9.306	9.306	0.0	71	95651	51.1	
147 Dimethyl phthalate	163	9.552	9.552	0.0	97	343274	51.6	
148 2,6-Dinitrotoluene	165	9.627	9.627	0.0	88	74917	51.1	
149 Acenaphthylene	152	9.685	9.685	0.0	91	466195	52.2	
150 3-Nitroaniline	138	9.846	9.846	0.0	90	80219	50.8	
151 Acenaphthene	153	9.910	9.910	0.0	92	279153	50.9	
152 2,4-Dinitrophenol	184	9.979	9.979	0.0	71	31411	52.5	
155 Dibenzofuran	168	10.124	10.124	0.0	87	422771	51.3	
154 2,4-Dinitrotoluene	165	10.134	10.134	0.0	87	101823	50.5	
153 4-Nitrophenol	109	10.097	10.097	0.0	94	42195	48.7	
160 Diethyl phthalate	149	10.428	10.428	0.0	96	334829	52.6	
161 Fluorene	166	10.535	10.535	0.0	84	358483	51.4	
162 4-Chlorophenyl phenyl ether	204	10.546	10.546	0.0	96	170574	50.9	
164 4-Nitroaniline	138	10.594	10.594	0.0	73	79232	50.3	
166 4,6-Dinitro-2-methylphenol	198	10.620	10.620	0.0	66	59843	50.9	
167 N-Nitrosodiphenylamine	169	10.690	10.690	0.0	57	242873	52.4	
168 1,2-Diphenylhydrazine	77	10.727	10.727	0.0	98	383233	50.4	
176 4-Bromophenyl phenyl ether	248	11.096	11.096	0.0	70	93803	52.7	
177 Hexachlorobenzene	284	11.160	11.160	0.0	91	90151	51.7	
181 Pentachlorophenol	266	11.384	11.384	0.0	85	54768	50.2	
185 Phenanthrene	178	11.598	11.598	0.0	97	505694	50.9	
188 Anthracene	178	11.651	11.651	0.0	97	521854	51.6	
189 Carbazole	167	11.828	11.828	0.0	82	482259	51.4	
192 Di-n-butyl phthalate	149	12.175	12.175	0.0	100	571792	52.9	
197 Fluoranthene	202	12.773	12.773	0.0	96	567813	51.5	
198 Benzidine	184	12.907	12.907	0.0	96	194538	43.6	
199 Pyrene	202	12.987	12.987	0.0	96	560188	51.8	
205 Butyl benzyl phthalate	149	13.553	13.553	0.0	98	262822	55.2	
203 3,3'-Dimethylbenzidine	212		13.559					
208 3,3'-Dichlorobenzidine	252	14.029	14.029	0.0	66	185778	55.2	
210 Bis(2-ethylhexyl) phthalate	149	14.034	14.034	0.0	96	353521	55.3	
209 Benzo[a]anthracene	228	14.055	14.055	0.0	91	499952	51.8	
211 Chrysene	228	14.087	14.087	0.0	93	478731	50.6	
212 Di-n-octyl phthalate	149	14.590	14.590	0.0	99	600251	55.3	
213 Benzo[b]fluoranthene	252	15.028	15.028	0.0	92	496184	54.7	
214 Benzo[k]fluoranthene	252	15.054	15.054	0.0	98	490252	49.6	
217 Benzo[a]pyrene	252	15.359	15.359	0.0	72	412155	51.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
219 Indeno[1,2,3-cd]pyrene	276	16.630	16.630	0.0	93	392740	53.2	
220 Dibenz(a,h)anthracene	278	16.636	16.636	0.0	58	346780	55.1	
221 Benzo[g,h,i]perylene	276	16.983	16.983	0.0	90	320238	53.9	
S 222 Total Cresols	1				0		104.9	
S 78 3-Methylphenol	1				0		53.3	
S 77 3 & 4 Methylphenol	108				0		53.3	

Report Date: 19-May-2012 13:02:52

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0747.D

Injection Date: 18-May-2012 16:58:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973V

Lims Batch ID: 65015

Lims Sample ID: 4

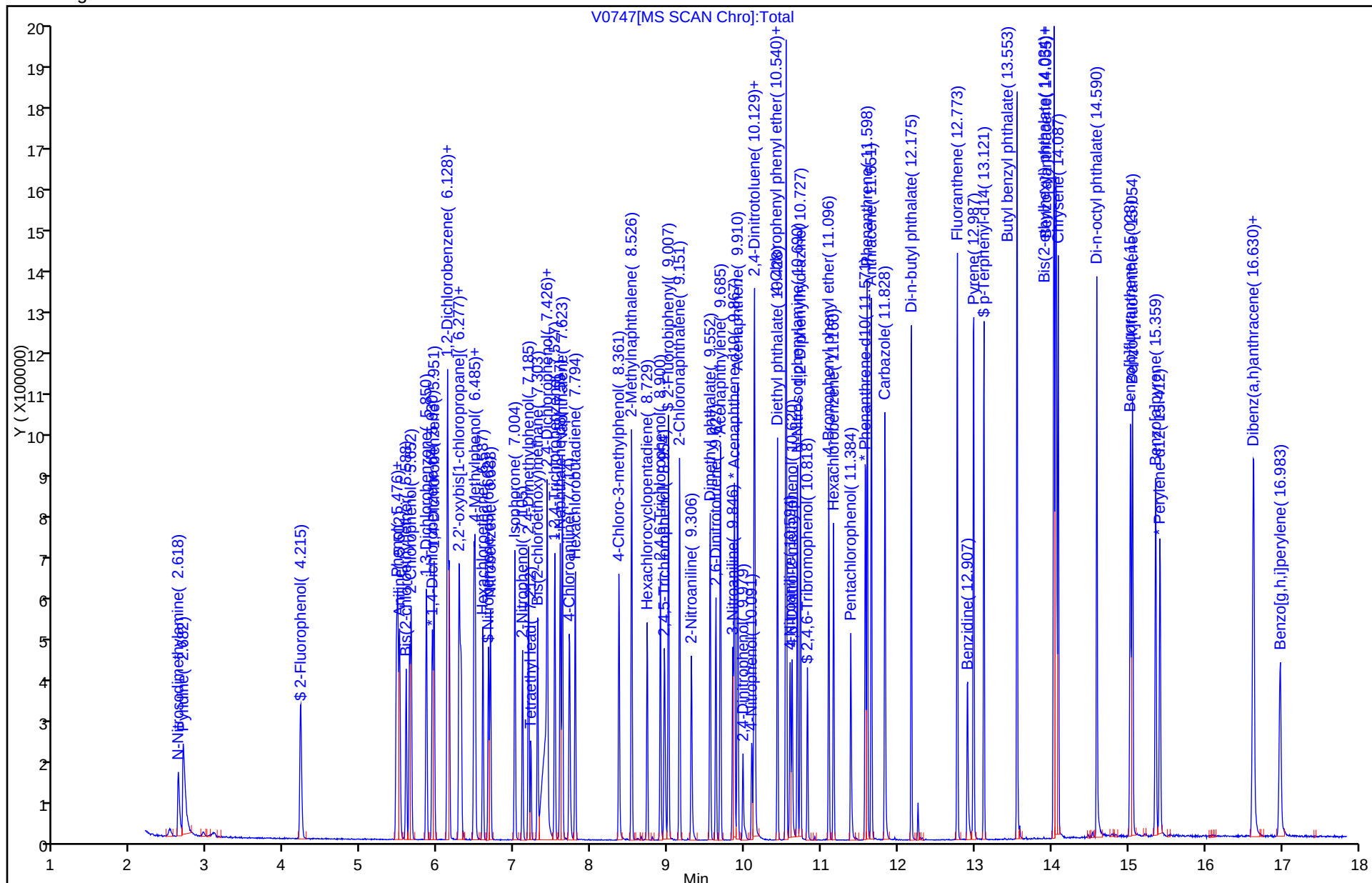
Operator ID: HL

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0748.D
 Lims ID: IC 80 - 8270 Client ID:
 Inject. Date: 18-May-2012 17:22:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 4
 Sample ID: 480-0012017-005
 Misc. Info.: IC 80 - 8270 =IC 80 - 8270
 Operator: HL Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 5
 Lims Batch ID: 65015 Lims Sample ID: 5
 Sublist: chrom-V-8270*sub23
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20120518-12017.b\V-8270.m
 Last Update: 19-May-2012 13:02:54 Calib Date: 18-May-2012 18:10:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0750.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: lyh

Date: 19-May-2012 13:02:54

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.930	5.930	0.0	97	84228	40.0	
* 2 Naphthalene-d8	136	7.597	7.597	0.0	99	320707	40.0	
* 3 Acenaphthene-d10	164	9.867	9.867	0.0	89	219403	40.0	
* 4 Phenanthrene-d10	188	11.577	11.571	0.006	97	354899	40.0	
* 5 Chrysene-d12	240	14.066	14.066	0.0	93	331264	40.0	
* 6 Perylene-d12	264	15.413	15.412	0.0	99	334696	40.0	
\$ 9 2-Fluorophenol	112	4.215	4.210	0.005	93	221858	85.7	
\$ 10 Phenol-d5	99	5.465	5.465	0.0	95	297879	84.4	
\$ 11 Nitrobenzene-d5	82	6.662	6.662	0.0	93	263407	86.1	
\$ 12 2-Fluorobiphenyl	172	9.007	9.007	0.0	100	511448	80.4	
\$ 13 2,4,6-Tribromophenol	330	10.824	10.818	0.006	91	60914	81.7	
\$ 14 p-Terphenyl-d14	244	13.121	13.121	0.001	99	540767	79.7	
81 N-Nitrosodimethylamine	42	2.618	2.618	0.0	76	162399	85.0	
82 Pyridine	52	2.682	2.682	0.0	82	227057	82.1	
89 Phenol	94	5.481	5.481	0.0	94	336097	83.3	
90 Aniline	93	5.503	5.502	0.001	73	381808	85.2	
91 Bis(2-chloroethyl)ether	93	5.593	5.588	0.005	95	241951	83.6	
93 2-Chlorophenol	128	5.658	5.652	0.006	93	237396	83.6	
94 1,3-Dichlorobenzene	146	5.855	5.850	0.005	95	260709	80.7	
95 1,4-Dichlorobenzene	146	5.951	5.951	0.0	90	268382	82.1	
96 Benzyl alcohol	108	6.128	6.128	0.0	87	154751	86.3	
97 1,2-Dichlorobenzene	146	6.149	6.149	0.0	94	251187	81.5	
98 2-Methylphenol	108	6.283	6.277	0.006	97	228993	85.7	
99 2,2'-oxybis[1-chloropropane]	45	6.304	6.298	0.006	92	473760	82.2	
101 N-Nitrosodi-n-propylamine	70	6.475	6.475	0.0	94	184739	86.0	
102 4-Methylphenol	108	6.491	6.485	0.006	93	237066	85.3	
106 Hexachloroethane	117	6.587	6.587	0.0	97	101474	83.8	
107 Nitrobenzene	77	6.689	6.688	0.001	88	296004	86.6	
110 Isophorone	82	7.009	7.004	0.005	96	485374	83.9	
111 2-Nitrophenol	139	7.105	7.105	0.0	97	127034	82.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
112 2,4-Dimethylphenol	107	7.185	7.185	0.0	98	251110	84.2	
113 Tetraethyl lead	237	7.212	7.212	0.0	91	77594	82.2	
115 Bis(2-chloroethoxy)methane	93	7.303	7.303	0.0	97	274473	84.7	
119 Benzoic acid	105	7.453	7.426	0.027	88	513994	238.7	
117 2,4-Dichlorophenol	162	7.431	7.426	0.005	95	201052	83.6	
120 1,2,4-Trichlorobenzene	180	7.527	7.527	0.0	93	208939	81.4	
121 Naphthalene	128	7.624	7.623	0.001	98	667963	81.9	
123 4-Chloroaniline	127	7.720	7.714	0.006	81	276817	84.3	
126 Hexachlorobutadiene	225	7.794	7.794	0.0	95	115807	80.6	
131 4-Chloro-3-methylphenol	107	8.361	8.361	0.0	91	208736	85.7	
133 2-Methylnaphthalene	142	8.526	8.526	0.0	91	467449	82.7	
136 Hexachlorocyclopentadiene	237	8.729	8.729	0.0	92	132452	81.2	
139 2,4,6-Trichlorophenol	196	8.906	8.900	0.006	94	150316	86.4	
140 2,4,5-Trichlorophenol	196	8.954	8.954	0.0	93	155595	87.8	
143 2-Chloronaphthalene	162	9.157	9.151	0.006	97	459838	81.4	
145 2-Nitroaniline	65	9.306	9.306	0.0	77	153146	82.2	
147 Dimethyl phthalate	163	9.552	9.552	0.0	97	532302	82.4	
148 2,6-Dinitrotoluene	165	9.632	9.627	0.005	91	117392	81.1	
149 Acenaphthylene	152	9.686	9.685	0.001	92	719459	83.0	
150 3-Nitroaniline	138	9.851	9.846	0.005	93	125413	79.8	
151 Acenaphthene	153	9.910	9.910	0.0	93	434091	81.5	
152 2,4-Dinitrophenol	184	9.979	9.979	0.0	76	48399	73.6	
155 Dibenzofuran	168	10.129	10.124	0.005	86	649402	81.2	
154 2,4-Dinitrotoluene	165	10.140	10.134	0.006	47	162818	81.6	
153 4-Nitrophenol	109	10.097	10.097	0.0	96	71223	74.7	
160 Diethyl phthalate	149	10.434	10.428	0.006	96	513201	83.0	
161 Fluorene	166	10.540	10.535	0.005	92	554625	82.0	
162 4-Chlorophenyl phenyl ether	204	10.546	10.546	0.0	96	262620	80.7	
164 4-Nitroaniline	138	10.599	10.594	0.005	79	124307	79.3	
166 4,6-Dinitro-2-methylphenol	198	10.626	10.620	0.006	75	90108	75.1	
167 N-Nitrosodiphenylamine	169	10.690	10.690	0.0	59	372326	82.8	
168 1,2-Diphenylhydrazine	77	10.727	10.727	0.0	98	612975	83.0	
176 4-Bromophenyl phenyl ether	248	11.101	11.096	0.005	68	138635	80.3	
177 Hexachlorobenzene	284	11.160	11.160	0.0	91	135494	80.1	
181 Pentachlorophenol	266	11.384	11.384	0.0	86	86176	77.9	
185 Phenanthrene	178	11.603	11.598	0.005	97	775921	80.4	
188 Anthracene	178	11.657	11.651	0.006	97	792573	80.8	
189 Carbazole	167	11.833	11.828	0.005	82	747971	82.1	
192 Di-n-butyl phthalate	149	12.175	12.175	0.0	100	871796	83.0	
197 Fluoranthene	202	12.773	12.773	0.0	97	859697	80.4	
198 Benzidine	184	12.907	12.907	0.0	98	402784	91.7	
199 Pyrene	202	12.987	12.987	0.0	98	878734	82.6	
205 Butyl benzyl phthalate	149	13.553	13.553	0.0	98	405212	86.4	
203 3,3'-Dimethylbenzidine	212		13.559					
208 3,3'-Dichlorobenzidine	252	14.029	14.029	0.0	69	278599	84.1	
210 Bis(2-ethylhexyl) phthalate	149	14.034	14.034	0.0	95	542695	86.2	
209 Benzo[a]anthracene	228	14.056	14.055	0.001	91	745310	78.5	
211 Chrysene	228	14.093	14.087	0.006	93	735307	78.9	
212 Di-n-octyl phthalate	149	14.595	14.590	0.005	99	934077	87.4	
213 Benzo[b]fluoranthene	252	15.033	15.028	0.005	92	708585	78.4	
214 Benzo[k]fluoranthene	252	15.060	15.054	0.006	98	787755	80.0	
217 Benzo[a]pyrene	252	15.364	15.359	0.005	73	652759	82.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
219 Indeno[1,2,3-cd]pyrene	276	16.636	16.630	0.006	96	626319	85.1	
220 Dibenz(a,h)anthracene	278	16.641	16.636	0.005	69	546844	87.2	
221 Benzo[g,h,i]perylene	276	16.988	16.983	0.005	92	503964	85.2	
S 222 Total Cresols	1				0		171.0	
S 78 3-Methylphenol	1				0		85.3	
S 77 3 & 4 Methylphenol	108				0		85.3	

Report Date: 19-May-2012 13:02:55

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0748.D

Injection Date: 18-May-2012 17:22:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973V

Lims Batch ID: 65015

Lims Sample ID: 5

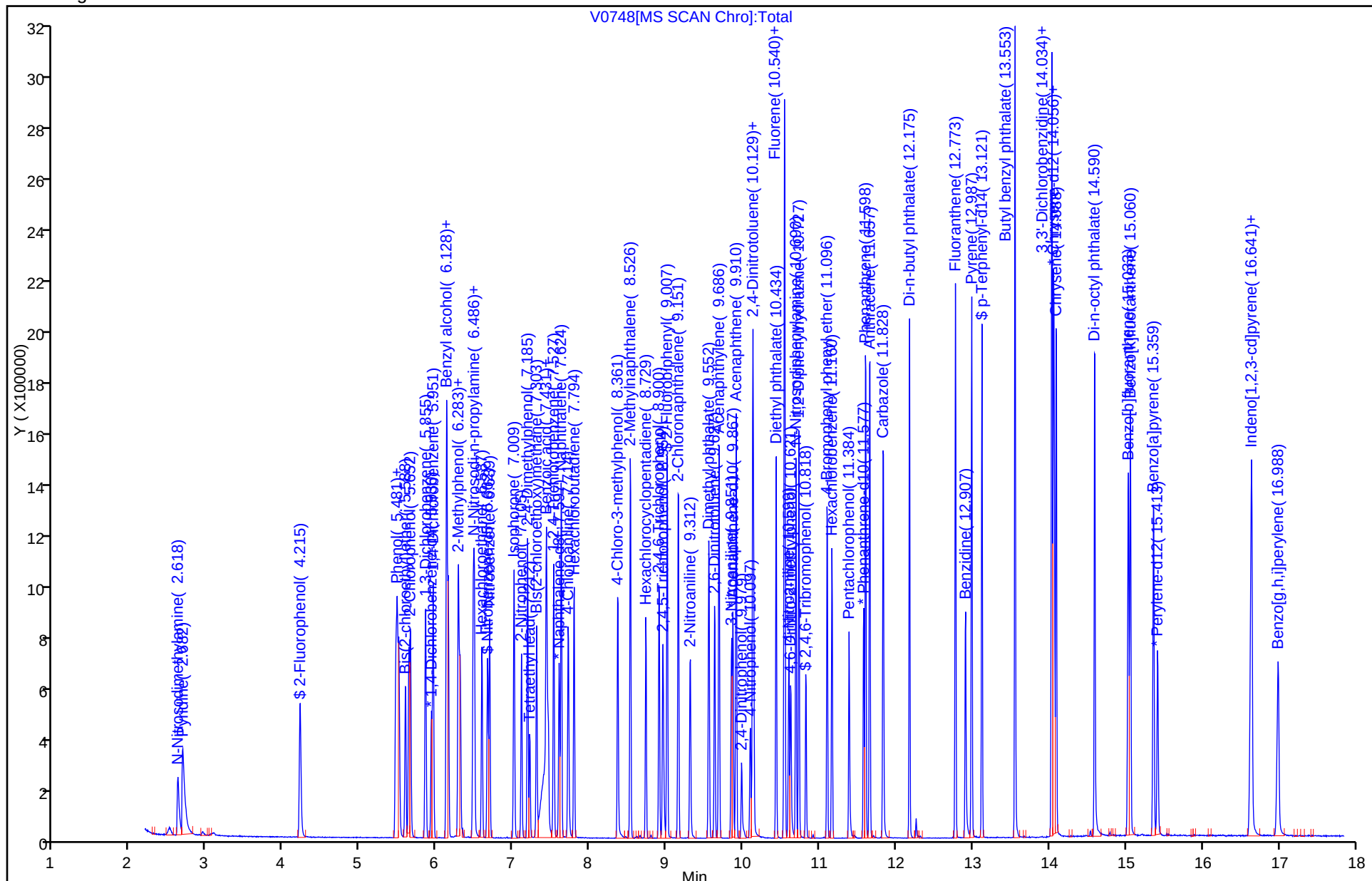
Operator ID: HL

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0749.D
 Lims ID: IC 120 - 8270 Client ID:
 Inject. Date: 18-May-2012 17:46:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: 480-0012017-006
 Misc. Info.: IC 120 - 8270
 Operator: HL Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 6
 Lims Batch ID: 65015 Lims Sample ID: 6
 Sublist: chrom-V-8270*sub23
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20120518-12017.b\V-8270.m
 Last Update: 19-May-2012 13:02:58 Calib Date: 18-May-2012 18:10:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0750.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: lyh

Date: 19-May-2012 13:02:58

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.930	5.930	0.0	97	96904	40.0	
* 2 Naphthalene-d8	136	7.602	7.597	0.005	99	360384	40.0	
* 3 Acenaphthene-d10	164	9.873	9.867	0.006	90	244001	40.0	
* 4 Phenanthrene-d10	188	11.577	11.571	0.006	97	394605	40.0	
* 5 Chrysene-d12	240	14.072	14.066	0.006	93	368568	40.0	
* 6 Perylene-d12	264	15.418	15.412	0.006	98	395161	40.0	
\$ 9 2-Fluorophenol	112	4.215	4.210	0.005	94	362345	121.7	
\$ 10 Phenol-d5	99	5.471	5.465	0.006	95	488933	120.4	
\$ 11 Nitrobenzene-d5	82	6.667	6.662	0.005	93	432105	125.7	
\$ 12 2-Fluorobiphenyl	172	9.012	9.007	0.005	100	827139	117.0	
\$ 13 2,4,6-Tribromophenol	330	10.824	10.818	0.006	86	102850	123.0	
\$ 14 p-Terphenyl-d14	244	13.126	13.121	0.006	99	886192	117.4	
81 N-Nitrosodimethylamine	42	2.618	2.618	0.0	81	271216	123.4	
82 Pyridine	52	2.682	2.682	0.0	83	388077	122.0	
89 Phenol	94	5.492	5.481	0.011	92	548789	118.2	
90 Aniline	93	5.508	5.502	0.006	93	614824	119.3	
91 Bis(2-chloroethyl)ether	93	5.599	5.588	0.011	93	388779	116.7	
93 2-Chlorophenol	128	5.663	5.652	0.011	93	385875	118.1	
94 1,3-Dichlorobenzene	146	5.855	5.850	0.005	95	424457	114.2	
95 1,4-Dichlorobenzene	146	5.951	5.951	0.0	91	435712	115.8	
96 Benzyl alcohol	108	6.133	6.128	0.005	83	267877	129.9	
97 1,2-Dichlorobenzene	146	6.154	6.149	0.005	94	402049	113.4	
98 2-Methylphenol	108	6.283	6.277	0.006	97	370363	120.4	
99 2,2'-oxybis[1-chloropropane]	45	6.304	6.298	0.006	91	769432	116.0	
101 N-Nitrosodi-n-propylamine	70	6.480	6.475	0.005	94	309842	125.4	
102 4-Methylphenol	108	6.496	6.485	0.011	93	389226	121.7	
106 Hexachloroethane	117	6.587	6.587	0.0	97	166110	119.2	
107 Nitrobenzene	77	6.694	6.688	0.006	89	471703	122.8	
110 Isophorone	82	7.014	7.004	0.010	96	810001	124.5	
111 2-Nitrophenol	139	7.111	7.105	0.006	97	209152	119.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
112 2,4-Dimethylphenol	107	7.191	7.185	0.006	98	412813	123.1	
113 Tetraethyl lead	237	7.217	7.212	0.005	91	122992	115.9	
115 Bis(2-chloroethoxy)methane	93	7.308	7.303	0.005	97	445432	122.3	
117 2,4-Dichlorophenol	162	7.437	7.426	0.011	96	328783	121.7	
119 Benzoic acid	105	7.511	7.426	0.085	90	949470	368.3	
120 1,2,4-Trichlorobenzene	180	7.527	7.527	0.0	92	334346	116.0	
121 Naphthalene	128	7.629	7.623	0.006	98	1067902	116.6	
123 4-Chloroaniline	127	7.720	7.714	0.006	83	456962	123.8	
126 Hexachlorobutadiene	225	7.794	7.794	0.0	96	188589	116.9	
131 4-Chloro-3-methylphenol	107	8.366	8.361	0.005	91	350479	128.1	
133 2-Methylnaphthalene	142	8.532	8.526	0.006	90	758393	119.4	
136 Hexachlorocyclopentadiene	237	8.735	8.729	0.006	92	224715	122.5	
139 2,4,6-Trichlorophenol	196	8.906	8.900	0.006	95	245096	126.7	
140 2,4,5-Trichlorophenol	196	8.954	8.954	0.0	94	252532	128.1	
143 2-Chloronaphthalene	162	9.157	9.151	0.006	97	741000	117.9	
145 2-Nitroaniline	65	9.317	9.306	0.011	78	255285	121.6	
147 Dimethyl phthalate	163	9.557	9.552	0.005	97	871489	121.4	
148 2,6-Dinitrotoluene	165	9.638	9.627	0.011	88	195822	120.4	
149 Acenaphthylene	152	9.691	9.685	0.006	90	1158858	120.3	
150 3-Nitroaniline	138	9.857	9.846	0.011	91	215133	121.4	
151 Acenaphthene	153	9.915	9.910	0.005	93	687008	116.0	
152 2,4-Dinitrophenol	184	9.990	9.979	0.011	80	111136	124.8	
153 4-Nitrophenol	109	10.102	10.097	0.005	96	154428	127.1	
155 Dibenzofuran	168	10.129	10.124	0.005	85	1052194	118.4	
154 2,4-Dinitrotoluene	165	10.145	10.134	0.011	27	269913	120.5	
160 Diethyl phthalate	149	10.439	10.428	0.011	96	823877	119.9	
161 Fluorene	166	10.540	10.535	0.005	84	907006	120.6	
162 4-Chlorophenyl phenyl ether	204	10.551	10.546	0.005	96	422379	116.7	
164 4-Nitroaniline	138	10.610	10.594	0.016	78	218215	123.2	
166 4,6-Dinitro-2-methylphenol	198	10.631	10.620	0.011	72	173674	125.0	
167 N-Nitrosodiphenylamine	169	10.695	10.690	0.005	61	615324	123.0	
168 1,2-Diphenylhydrazine	77	10.733	10.727	0.006	98	987362	120.2	
176 4-Bromophenyl phenyl ether	248	11.101	11.096	0.005	71	222714	116.0	
177 Hexachlorobenzene	284	11.165	11.160	0.005	90	215846	114.8	
181 Pentachlorophenol	266	11.390	11.384	0.006	87	153199	121.1	
185 Phenanthrene	178	11.603	11.598	0.005	97	1237960	115.4	
188 Anthracene	178	11.657	11.651	0.006	97	1262295	115.7	
189 Carbazole	167	11.833	11.828	0.005	82	1206991	119.2	
192 Di-n-butyl phthalate	149	12.175	12.175	0.0	100	1433712	122.8	
197 Fluoranthene	202	12.779	12.773	0.006	97	1391388	117.0	
198 Benzidine	184	12.907	12.907	0.0	99	633230	129.6	
199 Pyrene	202	12.992	12.987	0.005	98	1400062	118.2	
205 Butyl benzyl phthalate	149	13.553	13.553	0.0	98	654075	125.4	
203 3,3'-Dimethylbenzidine	212		13.559					
208 3,3'-Dichlorobenzidine	252	14.034	14.029	0.005	63	458696	124.4	
210 Bis(2-ethylhexyl) phthalate	149	14.040	14.034	0.006	96	871793	124.5	
209 Benzo[a]anthracene	228	14.061	14.055	0.006	94	1199755	113.5	
211 Chrysene	228	14.093	14.087	0.006	94	1183101	114.1	
212 Di-n-octyl phthalate	149	14.595	14.590	0.005	99	1510844	127.0	
213 Benzo[b]fluoranthene	252	15.039	15.028	0.011	92	1309383	122.8	
214 Benzo[k]fluoranthene	252	15.065	15.054	0.011	95	1189443	102.3	
217 Benzo[a]pyrene	252	15.370	15.359	0.011	73	1089822	116.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
219 Indeno[1,2,3-cd]pyrene	276	16.652	16.630	0.022	87	1079164	124.2	
220 Dibenz(a,h)anthracene	278	16.657	16.636	0.021	61	956986	129.3	
221 Benzo[g,h,i]perylene	276	17.004	16.983	0.021	94	835712	119.6	
S 222 Total Cresols	1				0		242.2	
S 78 3-Methylphenol	1				0		121.7	
S 77 3 & 4 Methylphenol	108				0		121.7	

Report Date: 19-May-2012 13:02:58

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0749.D

Injection Date: 18-May-2012 17:46:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973V

Lims Batch ID: 65015

Lims Sample ID: 6

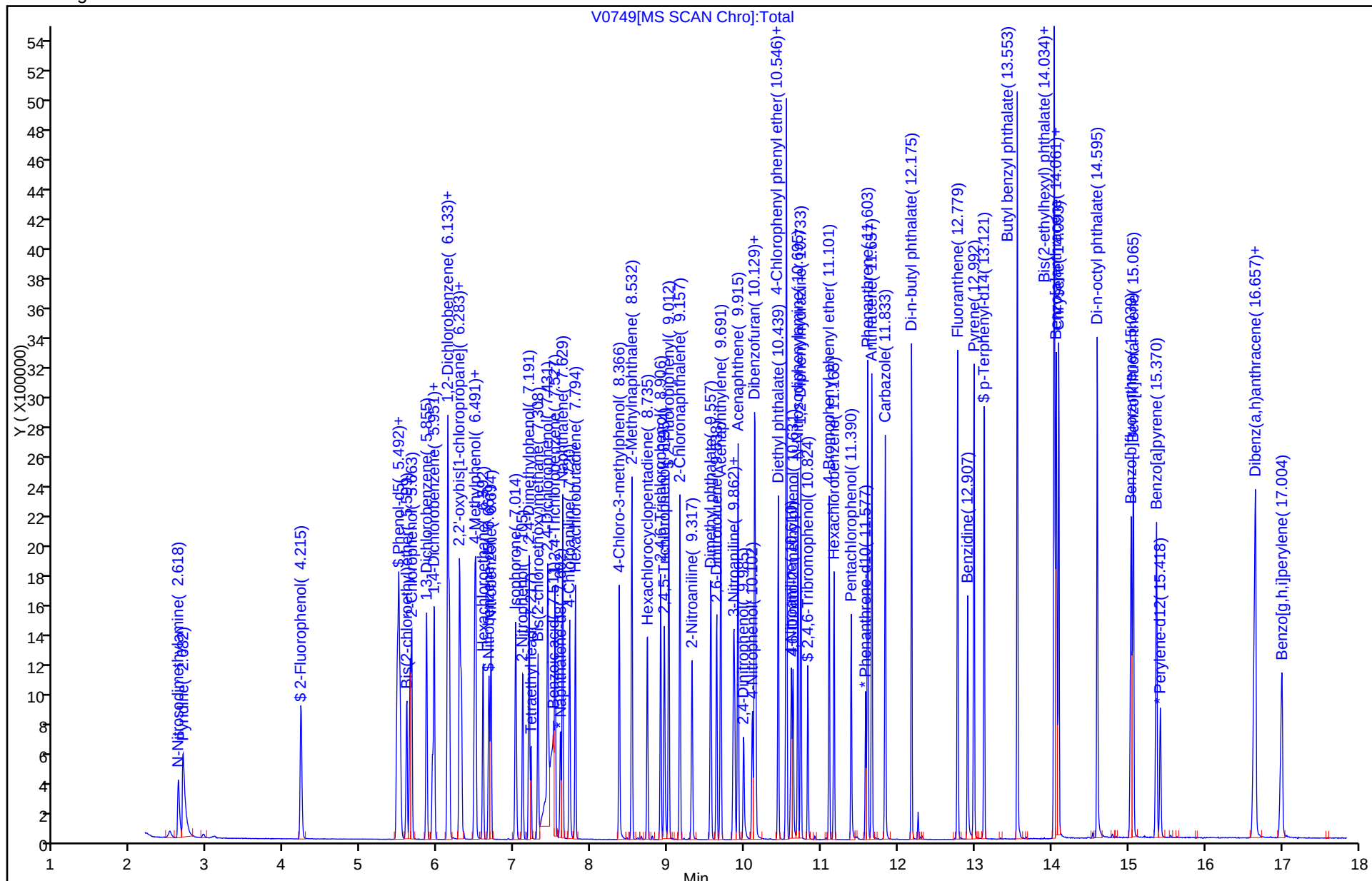
Operator ID: HL

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0750.D
 Lims ID: 160-192-C-5 IC Client ID:
 Inject. Date: 18-May-2012 18:10:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: 480-0012017-007
 Misc. Info.: 160-192-C-5 IC
 Operator: HL Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 7
 Lims Batch ID: 65015 Lims Sample ID: 7
 Sublist: chrom-V-8270*sub23
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20120518-12017.b\V-8270.m
 Last Update: 19-May-2012 13:03:00 Calib Date: 18-May-2012 18:10:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0750.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: lyh

Date: 19-May-2012 13:03:00

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.930	5.930	0.0	97	96291	40.0	
* 2 Naphthalene-d8	136	7.602	7.597	0.005	99	366277	40.0	
* 3 Acenaphthene-d10	164	9.872	9.867	0.005	89	244435	40.0	
* 4 Phenanthrene-d10	188	11.577	11.571	0.006	97	399340	40.0	
* 5 Chrysene-d12	240	14.071	14.066	0.005	92	371870	40.0	
* 6 Perylene-d12	264	15.423	15.412	0.011	95	412490	40.0	
\$ 9 2-Fluorophenol	112	4.220	4.210	0.010	95	474284	160.3	
\$ 10 Phenol-d5	99	5.476	5.465	0.011	93	645377	159.9	
\$ 11 Nitrobenzene-d5	82	6.667	6.662	0.005	94	566981	162.2	
\$ 12 2-Fluorobiphenyl	172	9.012	9.007	0.005	100	1053952	148.8	
\$ 13 2,4,6-Tribromophenol	330	10.829	10.818	0.011	90	130564	153.8	
\$ 14 p-Terphenyl-d14	244	13.126	13.121	0.006	99	1144956	150.3	
81 N-Nitrosodimethylamine	42	2.618	2.618	0.0	81	354574	162.3	
82 Pyridine	52	2.682	2.682	0.0	82	504796	159.7	
89 Phenol	94	5.497	5.481	0.016	92	715142	155.0	
90 Aniline	93	5.508	5.502	0.006	88	795190	155.3	
91 Bis(2-chloroethyl)ether	93	5.599	5.588	0.011	93	509973	154.1	
93 2-Chlorophenol	128	5.663	5.652	0.011	92	502815	154.8	
94 1,3-Dichlorobenzene	146	5.855	5.850	0.005	96	548511	148.5	
95 1,4-Dichlorobenzene	146	5.957	5.951	0.006	91	556996	149.0	
96 Benzyl alcohol	108	6.138	6.128	0.010	85	341621	166.7	
97 1,2-Dichlorobenzene	146	6.154	6.149	0.005	92	514099	145.9	
98 2-Methylphenol	108	6.288	6.277	0.011	95	481850	157.7	
99 2,2'-oxybis[1-chloropropane]	45	6.304	6.298	0.006	92	1008773	153.1	
101 N-Nitrosodi-n-propylamine	70	6.485	6.475	0.010	95	400438	163.1	
102 4-Methylphenol	108	6.501	6.485	0.016	94	499702	157.3	
106 Hexachloroethane	117	6.592	6.587	0.005	95	210467	152.0	
107 Nitrobenzene	77	6.699	6.688	0.011	92	619122	158.6	
110 Isophorone	82	7.020	7.004	0.016	98	1050939	159.0	
111 2-Nitrophenol	139	7.110	7.105	0.005	96	279414	156.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
112 2,4-Dimethylphenol	107	7.196	7.185	0.011	98	545863	160.2	
113 Tetraethyl lead	237	7.217	7.212	0.005	91	149180	138.3	
115 Bis(2-chloroethoxy)methane	93	7.308	7.303	0.005	96	578886	156.3	
117 2,4-Dichlorophenol	162	7.436	7.426	0.010	97	430740	156.9	
119 Benzoic acid	105	7.533	7.426	0.106	88	1260425	469.6	
120 1,2,4-Trichlorobenzene	180	7.533	7.527	0.005	93	430067	146.8	
121 Naphthalene	128	7.629	7.623	0.006	98	1367100	146.8	
123 4-Chloroaniline	127	7.719	7.714	0.005	82	585622	156.1	
126 Hexachlorobutadiene	225	7.794	7.794	0.0	96	248978	151.8	
131 4-Chloro-3-methylphenol	107	8.366	8.361	0.005	91	466664	167.8	
133 2-Methylnaphthalene	142	8.532	8.526	0.006	91	969840	150.2	
136 Hexachlorocyclopentadiene	237	8.735	8.729	0.006	98	292717	158.5	
139 2,4,6-Trichlorophenol	196	8.905	8.900	0.005	95	320020	165.1	
140 2,4,5-Trichlorophenol	196	8.954	8.954	0.0	93	315780	159.9	
143 2-Chloronaphthalene	162	9.162	9.151	0.011	97	950465	150.9	
145 2-Nitroaniline	65	9.317	9.306	0.011	78	331497	156.7	
147 Dimethyl phthalate	163	9.563	9.552	0.011	97	1121815	156.0	
148 2,6-Dinitrotoluene	165	9.643	9.627	0.016	91	256993	157.0	
149 Acenaphthylene	152	9.691	9.685	0.006	92	1489564	154.3	
150 3-Nitroaniline	138	9.862	9.846	0.016	91	283411	158.6	
151 Acenaphthene	153	9.915	9.910	0.005	93	893305	150.6	
152 2,4-Dinitrophenol	184	9.990	9.979	0.011	79	156205	158.6	
153 4-Nitrophenol	109	10.107	10.097	0.010	96	203283	157.5	
155 Dibenzofuran	168	10.134	10.124	0.010	85	1356178	152.3	
154 2,4-Dinitrotoluene	165	10.150	10.134	0.016	19	356531	158.1	
160 Diethyl phthalate	149	10.444	10.428	0.016	97	1060497	154.0	
161 Fluorene	166	10.546	10.535	0.011	82	1162594	154.3	
162 4-Chlorophenyl phenyl ether	204	10.551	10.546	0.005	94	550628	151.8	
164 4-Nitroaniline	138	10.620	10.594	0.026	78	281985	157.9	
166 4,6-Dinitro-2-methylphenol	198	10.636	10.620	0.016	72	226686	159.2	
167 N-Nitrosodiphenylamine	169	10.700	10.690	0.010	59	784981	155.1	
168 1,2-Diphenylhydrazine	77	10.738	10.727	0.011	98	1295796	157.5	
176 4-Bromophenyl phenyl ether	248	11.106	11.096	0.010	69	296399	152.6	
177 Hexachlorobenzene	284	11.171	11.160	0.011	93	279508	146.9	
181 Pentachlorophenol	266	11.390	11.384	0.006	84	207356	160.1	
185 Phenanthrene	178	11.609	11.598	0.011	97	1612874	148.6	
188 Anthracene	178	11.662	11.651	0.011	97	1640127	148.5	
189 Carbazole	167	11.833	11.828	0.005	83	1563312	152.5	
192 Di-n-butyl phthalate	149	12.180	12.175	0.005	100	1848748	156.5	
197 Fluoranthene	202	12.779	12.773	0.006	97	1797607	149.4	
198 Benzidine	184	12.907	12.907	0.0	98	841519	170.7	
199 Pyrene	202	12.992	12.987	0.005	98	1805229	151.1	
205 Butyl benzyl phthalate	149	13.553	13.553	0.0	97	831773	158.1	
203 3,3'-Dimethylbenzidine	212		13.559					
208 3,3'-Dichlorobenzidine	252	14.034	14.029	0.005	67	598964	161.0	
210 Bis(2-ethylhexyl) phthalate	149	14.039	14.034	0.005	95	1149103	162.7	
209 Benzo[a]anthracene	228	14.061	14.055	0.006	98	1571770	147.4	
211 Chrysene	228	14.098	14.087	0.011	94	1566335	149.7	
212 Di-n-octyl phthalate	149	14.600	14.590	0.010	100	1993202	166.1	
213 Benzo[b]fluoranthene	252	15.044	15.028	0.016	91	1607617	144.4	
214 Benzo[k]fluoranthene	252	15.070	15.054	0.016	99	1790840	147.6	
217 Benzo[a]pyrene	252	15.375	15.359	0.016	73	1456380	149.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
219 Indeno[1,2,3-cd]pyrene	276	16.668	16.630	0.038	81	1487455	164.0	
220 Dibenz(a,h)anthracene	278	16.668	16.636	0.032	57	1306127	169.1	
221 Benzo[g,h,i]perylene	276	17.015	16.983	0.032	91	1218676	167.1	
S 222 Total Cresols	1				0		315.0	
S 78 3-Methylphenol	1				0		157.3	
S 77 3 & 4 Methylphenol	108				0		157.3	

Data File: \\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0750.D

Injection Date: 18-May-2012 18:10:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973V

Lims Batch ID: 65015

Lims Sample ID: 7

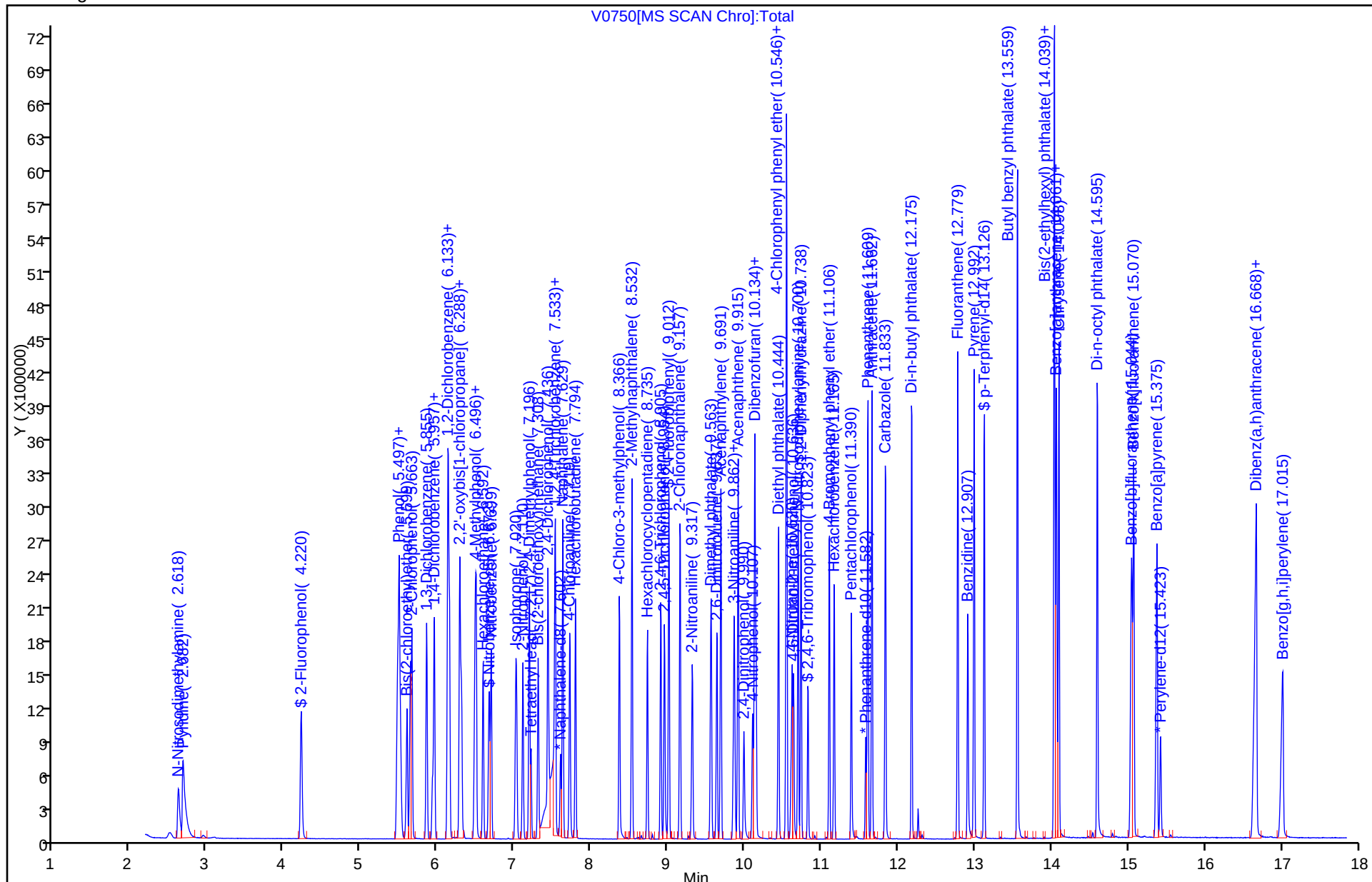
Operator ID: HL

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
SDG No.: _____
Lab Sample ID: CCVIS 480-65945/2 Calibration Date: 05/24/2012 22:25
Instrument ID: HP5973V Calib Start Date: 07/13/2011 13:15
GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 07/13/2011 15:13
Lab File ID: V0992.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
3,3'-Dimethylbenzidine	Ave	0.6829		0.0100		50000		100.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20120524-12193.b\V0992.D
 Lims ID: CCVIS 8270 Client ID:
 Inject. Date: 24-May-2012 22:25:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: 480-0012193-002
 Misc. Info.: CCVIS 8270
 Operator: HL Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 12
 Lims Batch ID: 65945 Lims Sample ID: 2
 Sublist: chrom-V-8270*sub23
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20120524-12193.b\V-8270.m
 Last Update: 25-May-2012 09:58:36 Calib Date: 18-May-2012 18:10:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0750.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: mcgoverna

Date: 25-May-2012 09:58:35

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.893	5.893	0.0	98	108946	40.0	
* 2 Naphthalene-d8	136	7.559	7.559	0.0	99	420380	40.0	
* 3 Acenaphthene-d10	164	9.830	9.830	0.0	88	295961	40.0	
* 4 Phenanthrene-d10	188	11.539	11.539	0.0	97	497077	40.0	
* 5 Chrysene-d12	240	14.034	14.034	0.0	95	574035	40.0	
* 6 Perylene-d12	264	15.364	15.364	0.0	98	364710	40.0	
\$ 9 2-Fluorophenol	112	4.183	4.183	0.0	89	167113	49.9	
\$ 10 Phenol-d5	99	5.444	5.444	0.0	97	225553	49.4	
\$ 11 Nitrobenzene-d5	82	6.624	6.624	0.0	90	205713	51.3	
\$ 12 2-Fluorobiphenyl	172	8.970	8.970	0.0	99	391913	45.7	
\$ 13 2,4,6-Tribromophenol	330	10.786	10.786	0.0	90	54925	53.3	
\$ 14 p-Terphenyl-d14	244	13.083	13.083	0.0	99	482730	41.1	
81 N-Nitrosodimethylamine	42	2.559	2.559	0.0	75	116151	47.0	
82 Pyridine	52	2.623	2.623	0.0	81	169611	47.4	M
89 Phenol	94	5.460	5.460	0.0	79	251410	48.2	
90 Aniline	93	5.465	5.465	0.0	66	285254	49.2	
91 Bis(2-chloroethyl)ether	93	5.551	5.551	0.0	94	174736	46.7	
93 2-Chlorophenol	128	5.620	5.620	0.0	96	176657	48.1	
94 1,3-Dichlorobenzene	146	5.812	5.812	0.0	95	190778	45.7	
95 1,4-Dichlorobenzene	146	5.914	5.914	0.0	83	196490	46.5	
96 Benzyl alcohol	108	6.090	6.090	0.0	85	120166	51.8	
97 1,2-Dichlorobenzene	146	6.112	6.112	0.0	93	180676	45.3	
98 2-Methylphenol	108	6.256	6.256	0.0	95	170713	49.4	
99 2,2'-oxybis[1-chloropropane]	45	6.261	6.261	0.0	89	328779	44.1	
101 N-Nitrosodi-n-propylamine	70	6.437	6.437	0.0	92	141377	50.9	
102 4-Methylphenol	108	6.464	6.464	0.0	91	181459	50.5	
106 Hexachloroethane	117	6.550	6.550	0.0	94	78475	50.1	
107 Nitrobenzene	77	6.651	6.651	0.0	92	217672	48.6	
110 Isophorone	82	6.972	6.972	0.0	96	377956	49.8	
111 2-Nitrophenol	139	7.068	7.068	0.0	96	99050	50.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
112 2,4-Dimethylphenol	107	7.159	7.159	0.0	97	198910	50.9	
113 Tetraethyl lead	237	7.175	7.175	0.0	91	69864	56.4	
115 Bis(2-chloroethoxy)methane	93	7.265	7.265	0.0	97	203302	47.8	
117 2,4-Dichlorophenol	162	7.399	7.399	0.0	95	163912	52.0	
119 Benzoic acid	105	7.410	7.410	0.0	88	391092	154.2	
120 1,2,4-Trichlorobenzene	180	7.490	7.490	0.0	93	163432	48.6	
121 Naphthalene	128	7.586	7.586	0.0	96	488825	45.7	
123 4-Chloroaniline	127	7.682	7.682	0.0	92	205638	47.8	
126 Hexachlorobutadiene	225	7.752	7.752	0.0	95	100282	53.3	
131 4-Chloro-3-methylphenol	107	8.339	8.339	0.0	90	169579	53.1	
133 2-Methylnaphthalene	142	8.489	8.489	0.0	87	342644	46.2	
136 Hexachlorocyclopentadiene	237	8.692	8.692	0.0	95	95154	44.4	
139 2,4,6-Trichlorophenol	196	8.873	8.873	0.0	93	123287	52.5	
140 2,4,5-Trichlorophenol	196	8.932	8.932	0.0	94	126343	52.8	
143 2-Chloronaphthalene	162	9.114	9.114	0.0	97	343469	45.1	
145 2-Nitroaniline	65	9.274	9.274	0.0	78	123633	50.5	
147 Dimethyl phthalate	163	9.515	9.515	0.0	98	406479	46.7	
148 2,6-Dinitrotoluene	165	9.589	9.589	0.0	92	93523	48.9	
149 Acenaphthylene	152	9.648	9.648	0.0	90	530415	45.4	
150 3-Nitroaniline	138	9.814	9.814	0.0	92	97571	47.4	
151 Acenaphthene	153	9.872	9.872	0.0	91	316368	44.0	
152 2,4-Dinitrophenol	184	9.947	9.947	0.0	78	58312	67.7	
153 4-Nitrophenol	109	10.086	10.086	0.0	46	67971	57.0	
155 Dibenzofuran	168	10.086	10.086	0.0	85	495256	45.9	
154 2,4-Dinitrotoluene	165	10.102	10.102	0.0	39	129734	49.2	
160 Diethyl phthalate	149	10.391	10.391	0.0	97	393723	47.2	
161 Fluorene	166	10.503	10.503	0.0	84	419298	46.0	
162 4-Chlorophenyl phenyl ether	204	10.508	10.508	0.0	93	215195	49.0	
164 4-Nitroaniline	138	10.562	10.562	0.0	77	99738	48.5	
166 4,6-Dinitro-2-methylphenol	198	10.588	10.588	0.0	74	96384	59.0	
167 N-Nitrosodiphenylamine	169	10.652	10.652	0.0	57	291555	46.3	
168 1,2-Diphenylhydrazine	77	10.690	10.690	0.0	98	449352	45.1	
176 4-Bromophenyl phenyl ether	248	11.064	11.064	0.0	64	119512	49.4	
177 Hexachlorobenzene	284	11.123	11.123	0.0	90	111558	47.1	
181 Pentachlorophenol	266	11.352	11.352	0.0	85	84668	56.3	
185 Phenanthrene	178	11.566	11.566	0.0	95	609888	45.1	
188 Anthracene	178	11.619	11.619	0.0	96	622831	45.3	
189 Carbazole	167	11.796	11.796	0.0	82	616456	48.3	
192 Di-n-butyl phthalate	149	12.138	12.138	0.0	100	677643	46.1	
197 Fluoranthene	202	12.736	12.736	0.0	96	710762	47.4	
198 Benzidine	184	12.869	12.869	0.0	98	457322	60.1	
199 Pyrene	202	12.950	12.950	0.0	98	736152	39.9	
205 Butyl benzyl phthalate	149	13.516	13.516	0.0	98	360086	44.3	
203 3,3'-Dimethylbenzidine	212		13.521					
208 3,3'-Dichlorobenzidine	252	13.991	13.991	0.0	69	220132	38.3	
210 Bis(2-ethylhexyl) phthalate	149	14.002	14.002	0.0	96	466494	42.8	
209 Benzo[a]anthracene	228	14.018	14.018	0.0	96	743444	45.2	
211 Chrysene	228	14.055	14.055	0.0	92	720043	44.6	
212 Di-n-octyl phthalate	149	14.552	14.552	0.0	99	858189	46.3	
213 Benzo[b]fluoranthene	252	14.985	14.985	0.0	92	545962	55.5	
214 Benzo[k]fluoranthene	252	15.012	15.012	0.0	98	599089	55.8	
217 Benzo[a]pyrene	252	15.311	15.311	0.0	70	420311	48.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
219 Indeno[1,2,3-cd]pyrene	276	16.561	16.561	0.0	95	281276	35.1	
220 Dibenz(a,h)anthracene	278	16.566	16.566	0.0	48	240237	35.2	
221 Benzo[g,h,i]perylene	276	16.903	16.903	0.0	89	234808	36.4	
S 222 Total Cresols	1				0		99.9	
S 78 3-Methylphenol	1				0		50.5	
S 77 3 & 4 Methylphenol	108				0		50.5	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 25-May-2012 09:58:36

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120524-12193.b\V0992.D

Injection Date: 24-May-2012 22:25:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973V

Lims Batch ID: 65945

Lims Sample ID: 2

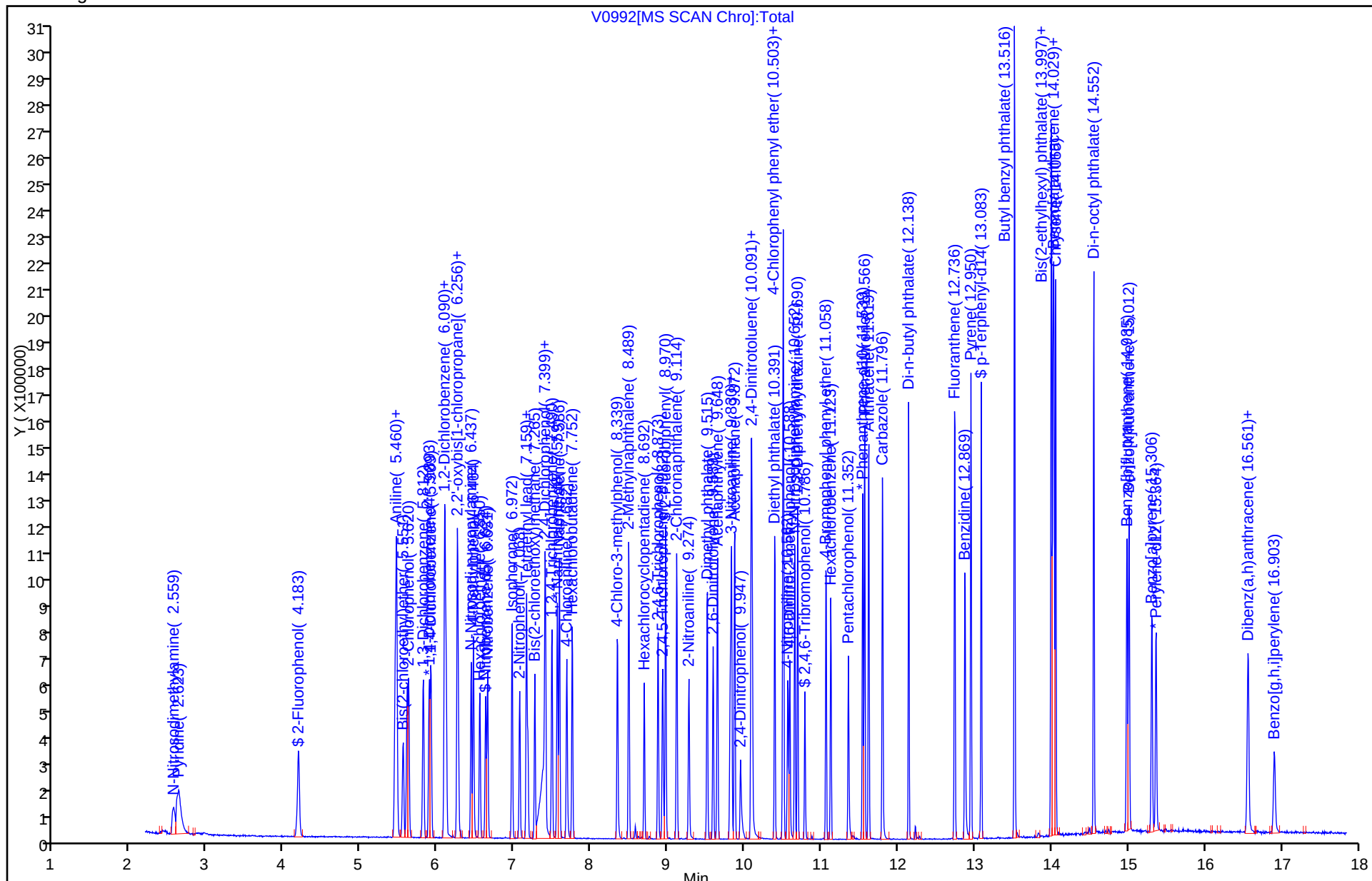
Operator ID: HL

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1

SDG No.: _____

Lab Sample ID: CCVIS 480-65945/2 Calibration Date: 05/24/2012 22:25

Instrument ID: HP5973V Calib Start Date: 05/18/2012 16:10

GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 05/18/2012 18:10

Lab File ID: V0992.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Ave	0.9074	0.8529	0.0100	47000	50000	-6.0	25.0
Pyridine	Ave	1.313	1.245	0.0100	47400	50000	-5.1	100.0
Phenol	Ave	1.917	1.846	0.0100	48200	50000	-3.7	20.0
Aniline	Ave	2.127	2.095	0.0100	49200	50000	-1.5	100.0
Bis(2-chloroethyl)ether	Ave	1.375	1.283	0.0100	46700	50000	-6.7	25.0
2-Chlorophenol	Ave	1.349	1.297	0.0100	48100	50000	-3.8	25.0
1,3-Dichlorobenzene	Ave	1.534	1.401	0.0100	45700	50000	-8.7	25.0
1,4-Dichlorobenzene	Ave	1.553	1.443	0.0100	46500	50000	-7.1	20.0
Benzyl alcohol	Ave	0.8514	0.8824	0.0100	51800	50000	3.6	100.0
1,2-Dichlorobenzene	Ave	1.464	1.327	0.0100	45300	50000	-9.4	25.0
2-Methylphenol	Ave	1.269	1.254	0.0100	49400	50000	-1.2	25.0
bis (2-chloroisopropyl) ether	Ave	2.738	2.414	0.0100	44100	50000	-11.8	25.0
N-Nitrosodi-n-propylamine	Ave	1.020	1.038	0.0500	50900	50000	1.8	25.0
4-Methylphenol	Ave	1.320	1.332	0.0100	50500	50000	1.0	25.0
Hexachloroethane	Ave	0.5752	0.5763	0.0100	50100	50000	0.2	25.0
Nitrobenzene	Ave	0.4263	0.4142	0.0100	48600	50000	-2.8	25.0
Isophorone	Ave	0.7219	0.7193	0.0100	49800	50000	-0.4	25.0
2-Nitrophenol	Linl		0.1885	0.0100	50100	50000	0.2	20.0
2,4-Dimethylphenol	Ave	0.3722	0.3785	0.0100	50900	50000	1.7	25.0
Tetraethyl lead	Ave	0.1178	0.1330	0.0100	56400	50000	12.9	40.0
Bis(2-chloroethoxy)methane	Ave	0.4044	0.3869	0.0100	47800	50000	-4.3	25.0
2,4-Dichlorophenol	Ave	0.2998	0.3119	0.0100	52000	50000	4.0	20.0
Benzoic acid	Linl		0.2481	0.0100	154000	150000	2.8	25.0
1,2,4-Trichlorobenzene	Ave	0.3200	0.3110	0.0100	48600	50000	-2.8	25.0
Naphthalene	Ave	1.017	0.9303	0.0100	45700	50000	-8.5	25.0
4-Chloroaniline	Ave	0.4097	0.3913	0.0100	47800	50000	-4.5	25.0
Hexachlorobutadiene	Ave	0.1791	0.1908	0.0100	53300	50000	6.5	20.0
4-Chloro-3-methylphenol	Ave	0.3038	0.3227	0.0100	53100	50000	6.2	20.0
2-Methylnaphthalene	Ave	0.7052	0.6521	0.0100	46200	50000	-7.5	25.0
Hexachlorocyclopentadiene	Linl		0.2572	0.0500	44400	50000	-11.2	25.0
2,4,6-Trichlorophenol	Ave	0.3172	0.3333	0.0100	52500	50000	5.1	20.0
2,4,5-Trichlorophenol	Ave	0.3231	0.3415	0.0100	52800	50000	5.7	25.0
2-Chloronaphthalene	Ave	1.030	0.9284	0.0100	45100	50000	-9.9	25.0
2-Nitroaniline	Linl		0.3342	0.0100	50500	50000	1.0	25.0
Dimethyl phthalate	Ave	1.177	1.099	0.0100	46700	50000	-6.7	25.0
2,6-Dinitrotoluene	Linl		0.2528	0.0100	48900	50000	-2.2	25.0
Acenaphthylene	Ave	1.580	1.434	0.0100	45400	50000	-9.2	25.0
3-Nitroaniline	Linl		0.2637	0.0100	47400	50000	-5.2	25.0
Acenaphthene	Ave	0.9708	0.8552	0.0100	44000	50000	-11.9	20.0
2,4-Dinitrophenol	Qua		0.1576	0.0500	67700	50000	35.4*	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1

SDG No.: _____

Lab Sample ID: CCVIS 480-65945/2 Calibration Date: 05/24/2012 22:25

Instrument ID: HP5973V Calib Start Date: 05/18/2012 16:10

GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 05/18/2012 18:10

Lab File ID: V0992.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Nitrophenol	Qua		0.1837	0.0500	57000	50000	14.0	25.0
Dibenzofuran	Ave	1.457	1.339	0.0100	45900	50000	-8.1	25.0
2,4-Dinitrotoluene	Lin1		0.3507	0.0100	49200	50000	-1.6	25.0
Diethyl phthalate	Ave	1.127	1.064	0.0100	47200	50000	-5.5	25.0
Fluorene	Ave	1.233	1.133	0.0100	46000	50000	-8.1	25.0
4-Chlorophenyl phenyl ether	Ave	0.5934	0.5817	0.0100	49000	50000	-2.0	25.0
4-Nitroaniline	Lin1		0.2696	0.0100	48500	50000	-3.0	25.0
4,6-Dinitro-2-methylphenol	Lin1		0.1551	0.0100	59000	50000	18.0	25.0
N-Nitrosodiphenylamine	Ave	0.5070	0.4692	0.0100	46300	50000	-7.4	20.0
1,2-Diphenylhydrazine	Ave	1.346	1.215	0.0100	45100	50000	-9.8	25.0
4-Bromophenyl phenyl ether	Ave	0.1946	0.1923	0.0100	49400	50000	-1.1	25.0
Hexachlorobenzene	Ave	0.1906	0.1795	0.0100	47100	50000	-5.8	25.0
Pentachlorophenol	Lin		0.1363	0.0100	56300	50000	12.6	20.0
Phenanthrene	Ave	1.088	0.9816	0.0100	45100	50000	-9.7	25.0
Anthracene	Ave	1.106	1.002	0.0100	45300	50000	-9.4	25.0
Carbazole	Ave	1.027	0.9921	0.0100	48300	50000	-3.4	25.0
Di-n-butyl phthalate	Ave	1.183	1.091	0.0100	46100	50000	-7.8	25.0
Fluoranthene	Ave	1.205	1.144	0.0100	47400	50000	-5.1	20.0
Benzidine	Ave	0.5301	0.6373	0.0100	60100	50000	20.2	25.0
Pyrene	Ave	1.285	1.026	0.0100	39900	50000	-20.2	25.0
Butyl benzyl phthalate	Ave	0.5660	0.5018	0.0100	44300	50000	-11.3	25.0
3,3'-Dichlorobenzidine	Ave	0.4001	0.3068	0.0100	38300	50000	-23.3	25.0
Bis(2-ethylhexyl) phthalate	Ave	0.7599	0.6501	0.0100	42800	50000	-14.4	25.0
Benz(a)anthracene	Ave	1.147	1.036	0.0100	45200	50000	-9.7	25.0
Chrysene	Ave	1.126	1.003	0.0100	44600	50000	-10.8	25.0
Di-n-octyl phthalate	Ave	1.291	1.196	0.0100	46300	50000	-7.3	20.0
Benzo(b)fluoranthene	Ave	1.079	1.198	0.0100	55500	50000	10.9	25.0
Benzo(k)fluoranthene	Ave	1.177	1.314	0.0100	55800	50000	11.7	25.0
Benzo(a)pyrene	Ave	0.9456	0.9220	0.0100	48800	50000	-2.5	20.0
Indeno(1,2,3-c,d)pyrene	Ave	0.8794	0.6170	0.0100	35100	50000	-29.8*	25.0
Dibenz(a,h)anthracene	Ave	0.7491	0.5270	0.0100	35200	50000	-29.7*	25.0
Benzo(g,h,i)perylene	Ave	0.7071	0.5151	0.0100	36400	50000	-27.2*	25.0
2-Fluorophenol	Ave	1.229	1.227	0.0100	49900	50000	-0.2	25.0
Phenol-d5	Ave	1.677	1.656	0.0100	49400	50000	-1.2	25.0
Nitrobenzene-d5	Ave	0.3817	0.3915	0.0100	51300	50000	2.6	25.0
2-Fluorobiphenyl	Ave	1.159	1.059	0.0100	45700	50000	-8.6	25.0
2,4,6-Tribromophenol	Lin1		0.0884	0.0100	53300	50000	6.6	25.0
p-Terphenyl-d14	Ave	0.8194	0.6728	0.0100	41100	50000	-17.9	25.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20120524-12193.b\V0992.D
 Lims ID: CCVIS 8270 Client ID:
 Inject. Date: 24-May-2012 22:25:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: 480-0012193-002
 Misc. Info.: CCVIS 8270
 Operator: HL Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 12
 Lims Batch ID: 65945 Lims Sample ID: 2
 Sublist: chrom-V-8270*sub23
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20120524-12193.b\V-8270.m
 Last Update: 25-May-2012 09:58:36 Calib Date: 18-May-2012 18:10:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0750.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: mcgoverna

Date: 25-May-2012 09:58:35

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.893	5.893	0.0	98	108946	40.0	
* 2 Naphthalene-d8	136	7.559	7.559	0.0	99	420380	40.0	
* 3 Acenaphthene-d10	164	9.830	9.830	0.0	88	295961	40.0	
* 4 Phenanthrene-d10	188	11.539	11.539	0.0	97	497077	40.0	
* 5 Chrysene-d12	240	14.034	14.034	0.0	95	574035	40.0	
* 6 Perylene-d12	264	15.364	15.364	0.0	98	364710	40.0	
\$ 9 2-Fluorophenol	112	4.183	4.183	0.0	89	167113	49.9	
\$ 10 Phenol-d5	99	5.444	5.444	0.0	97	225553	49.4	
\$ 11 Nitrobenzene-d5	82	6.624	6.624	0.0	90	205713	51.3	
\$ 12 2-Fluorobiphenyl	172	8.970	8.970	0.0	99	391913	45.7	
\$ 13 2,4,6-Tribromophenol	330	10.786	10.786	0.0	90	54925	53.3	
\$ 14 p-Terphenyl-d14	244	13.083	13.083	0.0	99	482730	41.1	
81 N-Nitrosodimethylamine	42	2.559	2.559	0.0	75	116151	47.0	
82 Pyridine	52	2.623	2.623	0.0	81	169611	47.4	M
89 Phenol	94	5.460	5.460	0.0	79	251410	48.2	
90 Aniline	93	5.465	5.465	0.0	66	285254	49.2	
91 Bis(2-chloroethyl)ether	93	5.551	5.551	0.0	94	174736	46.7	
93 2-Chlorophenol	128	5.620	5.620	0.0	96	176657	48.1	
94 1,3-Dichlorobenzene	146	5.812	5.812	0.0	95	190778	45.7	
95 1,4-Dichlorobenzene	146	5.914	5.914	0.0	83	196490	46.5	
96 Benzyl alcohol	108	6.090	6.090	0.0	85	120166	51.8	
97 1,2-Dichlorobenzene	146	6.112	6.112	0.0	93	180676	45.3	
98 2-Methylphenol	108	6.256	6.256	0.0	95	170713	49.4	
99 2,2'-oxybis[1-chloropropane]	45	6.261	6.261	0.0	89	328779	44.1	
101 N-Nitrosodi-n-propylamine	70	6.437	6.437	0.0	92	141377	50.9	
102 4-Methylphenol	108	6.464	6.464	0.0	91	181459	50.5	
106 Hexachloroethane	117	6.550	6.550	0.0	94	78475	50.1	
107 Nitrobenzene	77	6.651	6.651	0.0	92	217672	48.6	
110 Isophorone	82	6.972	6.972	0.0	96	377956	49.8	
111 2-Nitrophenol	139	7.068	7.068	0.0	96	99050	50.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
112 2,4-Dimethylphenol	107	7.159	7.159	0.0	97	198910	50.9	
113 Tetraethyl lead	237	7.175	7.175	0.0	91	69864	56.4	
115 Bis(2-chloroethoxy)methane	93	7.265	7.265	0.0	97	203302	47.8	
117 2,4-Dichlorophenol	162	7.399	7.399	0.0	95	163912	52.0	
119 Benzoic acid	105	7.410	7.410	0.0	88	391092	154.2	
120 1,2,4-Trichlorobenzene	180	7.490	7.490	0.0	93	163432	48.6	
121 Naphthalene	128	7.586	7.586	0.0	96	488825	45.7	
123 4-Chloroaniline	127	7.682	7.682	0.0	92	205638	47.8	
126 Hexachlorobutadiene	225	7.752	7.752	0.0	95	100282	53.3	
131 4-Chloro-3-methylphenol	107	8.339	8.339	0.0	90	169579	53.1	
133 2-Methylnaphthalene	142	8.489	8.489	0.0	87	342644	46.2	
136 Hexachlorocyclopentadiene	237	8.692	8.692	0.0	95	95154	44.4	
139 2,4,6-Trichlorophenol	196	8.873	8.873	0.0	93	123287	52.5	
140 2,4,5-Trichlorophenol	196	8.932	8.932	0.0	94	126343	52.8	
143 2-Chloronaphthalene	162	9.114	9.114	0.0	97	343469	45.1	
145 2-Nitroaniline	65	9.274	9.274	0.0	78	123633	50.5	
147 Dimethyl phthalate	163	9.515	9.515	0.0	98	406479	46.7	
148 2,6-Dinitrotoluene	165	9.589	9.589	0.0	92	93523	48.9	
149 Acenaphthylene	152	9.648	9.648	0.0	90	530415	45.4	
150 3-Nitroaniline	138	9.814	9.814	0.0	92	97571	47.4	
151 Acenaphthene	153	9.872	9.872	0.0	91	316368	44.0	
152 2,4-Dinitrophenol	184	9.947	9.947	0.0	78	58312	67.7	
153 4-Nitrophenol	109	10.086	10.086	0.0	46	67971	57.0	
155 Dibenzofuran	168	10.086	10.086	0.0	85	495256	45.9	
154 2,4-Dinitrotoluene	165	10.102	10.102	0.0	39	129734	49.2	
160 Diethyl phthalate	149	10.391	10.391	0.0	97	393723	47.2	
161 Fluorene	166	10.503	10.503	0.0	84	419298	46.0	
162 4-Chlorophenyl phenyl ether	204	10.508	10.508	0.0	93	215195	49.0	
164 4-Nitroaniline	138	10.562	10.562	0.0	77	99738	48.5	
166 4,6-Dinitro-2-methylphenol	198	10.588	10.588	0.0	74	96384	59.0	
167 N-Nitrosodiphenylamine	169	10.652	10.652	0.0	57	291555	46.3	
168 1,2-Diphenylhydrazine	77	10.690	10.690	0.0	98	449352	45.1	
176 4-Bromophenyl phenyl ether	248	11.064	11.064	0.0	64	119512	49.4	
177 Hexachlorobenzene	284	11.123	11.123	0.0	90	111558	47.1	
181 Pentachlorophenol	266	11.352	11.352	0.0	85	84668	56.3	
185 Phenanthrene	178	11.566	11.566	0.0	95	609888	45.1	
188 Anthracene	178	11.619	11.619	0.0	96	622831	45.3	
189 Carbazole	167	11.796	11.796	0.0	82	616456	48.3	
192 Di-n-butyl phthalate	149	12.138	12.138	0.0	100	677643	46.1	
197 Fluoranthene	202	12.736	12.736	0.0	96	710762	47.4	
198 Benzidine	184	12.869	12.869	0.0	98	457322	60.1	
199 Pyrene	202	12.950	12.950	0.0	98	736152	39.9	
205 Butyl benzyl phthalate	149	13.516	13.516	0.0	98	360086	44.3	
203 3,3'-Dimethylbenzidine	212		13.521					
208 3,3'-Dichlorobenzidine	252	13.991	13.991	0.0	69	220132	38.3	
210 Bis(2-ethylhexyl) phthalate	149	14.002	14.002	0.0	96	466494	42.8	
209 Benzo[a]anthracene	228	14.018	14.018	0.0	96	743444	45.2	
211 Chrysene	228	14.055	14.055	0.0	92	720043	44.6	
212 Di-n-octyl phthalate	149	14.552	14.552	0.0	99	858189	46.3	
213 Benzo[b]fluoranthene	252	14.985	14.985	0.0	92	545962	55.5	
214 Benzo[k]fluoranthene	252	15.012	15.012	0.0	98	599089	55.8	
217 Benzo[a]pyrene	252	15.311	15.311	0.0	70	420311	48.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
219 Indeno[1,2,3-cd]pyrene	276	16.561	16.561	0.0	95	281276	35.1	
220 Dibenz(a,h)anthracene	278	16.566	16.566	0.0	48	240237	35.2	
221 Benzo[g,h,i]perylene	276	16.903	16.903	0.0	89	234808	36.4	
S 222 Total Cresols	1				0		99.9	
S 78 3-Methylphenol	1				0		50.5	
S 77 3 & 4 Methylphenol	108				0		50.5	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 25-May-2012 09:58:36

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973V\20120524-12193.b\V0992.D

Injection Date: 24-May-2012 22:25:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973V

Lims Batch ID: 65945

Lims Sample ID: 2

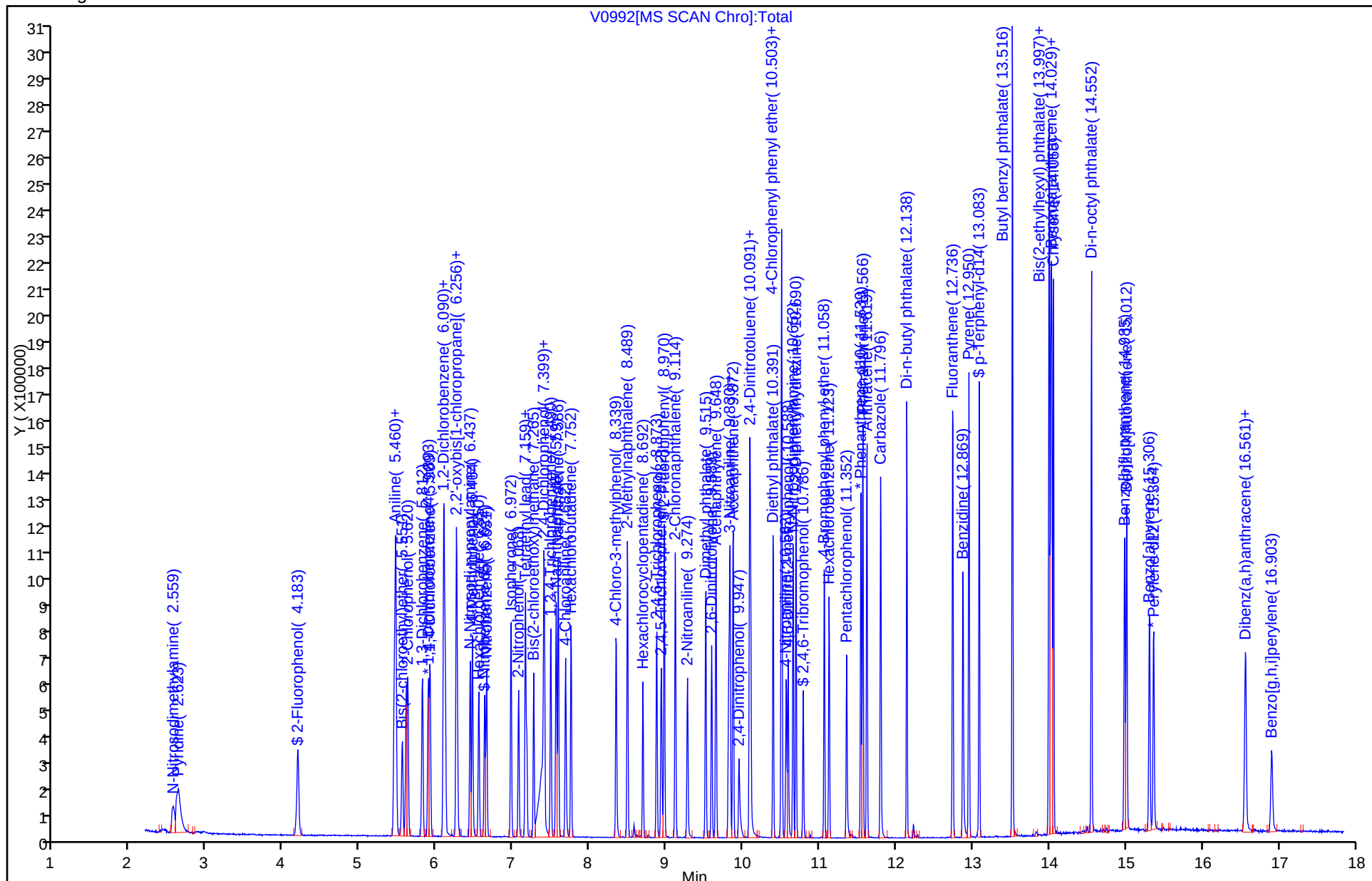
Operator ID: HL

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:

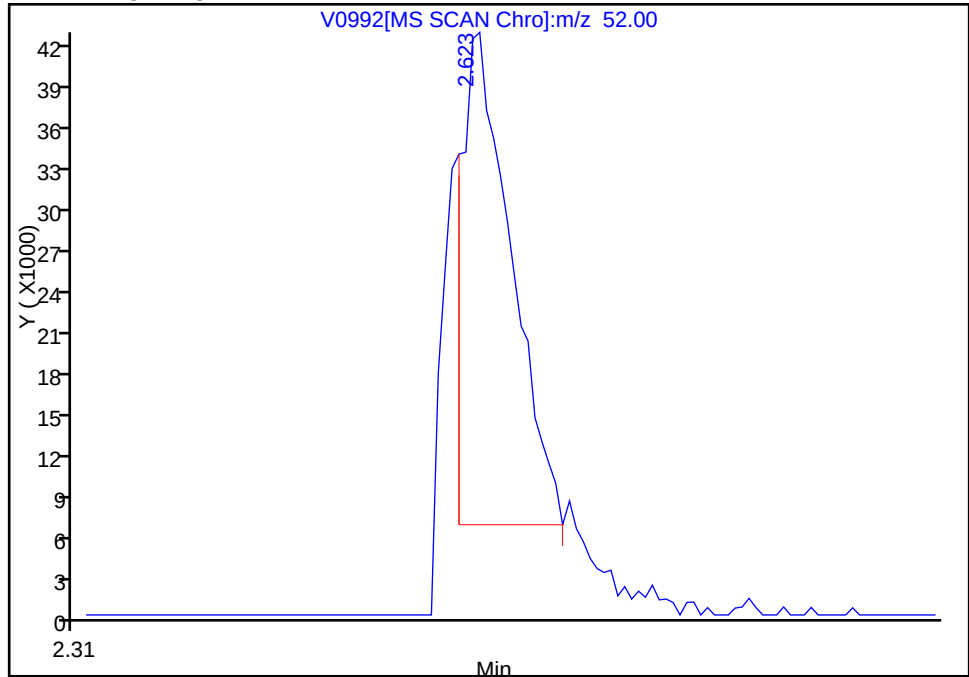


Data File:	\\Bufchrom\ChromData\HP5973V\20120524-12193.b\V0992.D		
Injection Date:	24-May-2012 22:25:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	65945	Lims Sample ID:	2
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

82 Pyridine, Signal: 1, m/z: 52.0 Type: quant, RT: 2.62

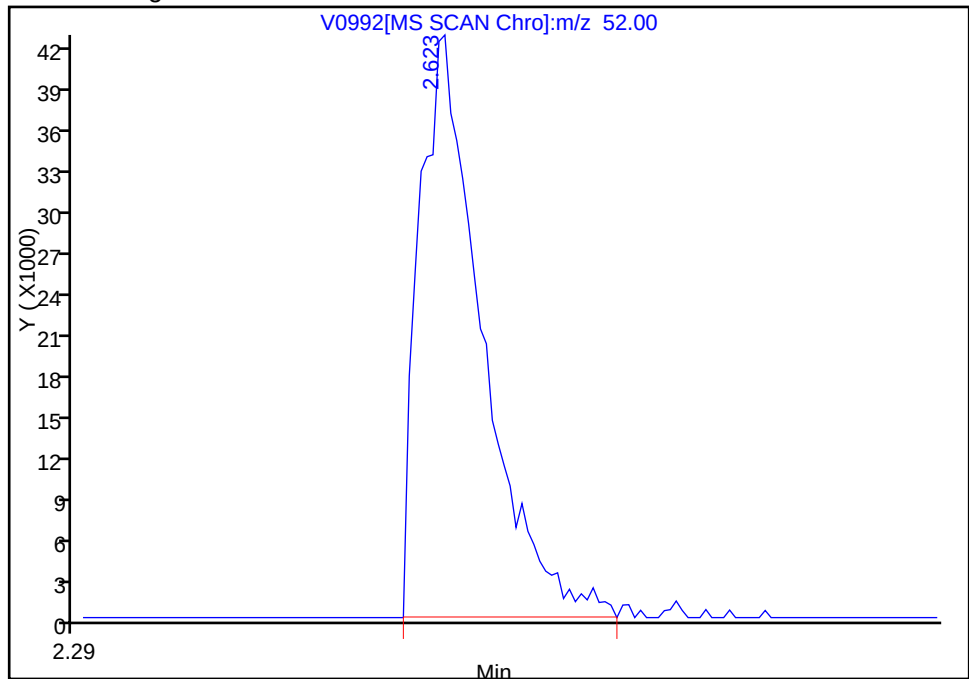
RT: 2.62
Response: 96637
Amount: 27.029105

Processing Integration Results



RT: 2.62
Response: 169611
Amount: 47.439733

Manual Integration Results



Reviewer: mcgoverna, 25-May-2012 09:58:35

Audit Action: Manually Integrated

Audit Reason: Assign Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
SDG No.: _____
Lab Sample ID: CCVIS 480-66043/2 Calibration Date: 05/25/2012 12:14
Instrument ID: HP5973V Calib Start Date: 07/13/2011 13:15
GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 07/13/2011 15:13
Lab File ID: V1028.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
3,3'-Dimethylbenzidine	Ave	0.6829		0.0100		50000		100.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20120525-12217.b\V1028.D
 Lims ID: CCVIS 8270 Client ID:
 Inject. Date: 25-May-2012 12:14:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: 480-0012217-002
 Misc. Info.: DMC
 Operator: ANM Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 66043 Lims Sample ID: 2
 Sublist: chrom-V-8270*sub23
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20120525-12217.b\V-8270.m
 Last Update: 25-May-2012 12:51:59 Calib Date: 18-May-2012 18:10:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0750.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: mcgoverna

Date: 25-May-2012 12:51:59

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.887	5.887	0.0	96	108721	40.0	
* 2 Naphthalene-d8	136	7.559	7.559	0.0	100	417338	40.0	
* 3 Acenaphthene-d10	164	9.835	9.835	0.0	88	293457	40.0	
* 4 Phenanthrene-d10	188	11.550	11.550	0.0	96	496648	40.0	
* 5 Chrysene-d12	240	14.050	14.050	0.0	93	492983	40.0	
* 6 Perylene-d12	264	15.396	15.396	0.0	99	519817	40.0	
\$ 9 2-Fluorophenol	112	4.178	4.178	0.0	89	170765	51.1	
\$ 10 Phenol-d5	99	5.438	5.438	0.0	92	226105	49.6	
\$ 11 Nitrobenzene-d5	82	6.624	6.624	0.0	91	214466	53.9	
\$ 12 2-Fluorobiphenyl	172	8.975	8.975	0.0	99	388176	45.6	
\$ 13 2,4,6-Tribromophenol	330	10.797	10.797	0.0	86	51452	50.1	
\$ 14 p-Terphenyl-d14	244	13.099	13.099	0.0	98	469068	46.4	
81 N-Nitrosodimethylamine	42	2.548	2.548	0.0	78	131426	53.3	
82 Pyridine	52	2.623	2.623	0.0	83	197126	55.2	M
89 Phenol	94	5.454	5.454	0.0	80	248277	47.7	
90 Aniline	93	5.460	5.460	0.0	64	278178	48.1	
91 Bis(2-chloroethyl)ether	93	5.551	5.551	0.0	94	181026	48.4	
93 2-Chlorophenol	128	5.615	5.615	0.0	95	175211	47.8	
94 1,3-Dichlorobenzene	146	5.812	5.812	0.0	94	189266	45.4	
95 1,4-Dichlorobenzene	146	5.908	5.908	0.0	83	197137	46.7	
96 Benzyl alcohol	108	6.090	6.090	0.0	83	117003	50.6	
97 1,2-Dichlorobenzene	146	6.111	6.111	0.0	82	175731	44.2	
98 2-Methylphenol	108	6.256	6.256	0.0	91	167105	48.4	
99 2,2'-oxybis[1-chloropropane]	45	6.261	6.261	0.0	87	327616	44.0	
101 N-Nitrosodi-n-propylamine	70	6.437	6.437	0.0	93	143617	51.8	
102 4-Methylphenol	108	6.464	6.464	0.0	90	182001	50.7	
106 Hexachloroethane	117	6.550	6.550	0.0	92	77370	49.5	
107 Nitrobenzene	77	6.651	6.651	0.0	92	222444	50.0	
110 Isophorone	82	6.972	6.972	0.0	98	374793	49.8	
111 2-Nitrophenol	139	7.073	7.073	0.0	92	93321	47.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
112 2,4-Dimethylphenol	107	7.159	7.159	0.0	97	190770	49.1	
113 Tetraethyl lead	237	7.175	7.175	0.0	90	63217	51.4	
115 Bis(2-chloroethoxy)methane	93	7.265	7.265	0.0	97	205008	48.6	
117 2,4-Dichlorophenol	162	7.404	7.404	0.0	95	158919	50.8	
119 Benzoic acid	105	7.410	7.410	0.0	87	411860	161.3	
120 1,2,4-Trichlorobenzene	180	7.490	7.490	0.0	92	165596	49.6	
121 Naphthalene	128	7.591	7.591	0.0	96	486071	45.8	
123 4-Chloroaniline	127	7.687	7.687	0.0	84	203289	47.6	
126 Hexachlorobutadiene	225	7.757	7.757	0.0	94	102579	54.9	
131 4-Chloro-3-methylphenol	107	8.345	8.345	0.0	92	169299	53.4	
133 2-Methylnaphthalene	142	8.494	8.494	0.0	88	336199	45.7	
136 Hexachlorocyclopentadiene	237	8.697	8.697	0.0	98	105819	49.5	
139 2,4,6-Trichlorophenol	196	8.879	8.879	0.0	93	123938	53.3	
140 2,4,5-Trichlorophenol	196	8.938	8.938	0.0	94	125511	52.9	
143 2-Chloronaphthalene	162	9.119	9.119	0.0	97	350440	46.4	
145 2-Nitroaniline	65	9.279	9.279	0.0	78	113757	47.1	
147 Dimethyl phthalate	163	9.520	9.520	0.0	97	405805	47.0	
148 2,6-Dinitrotoluene	165	9.600	9.600	0.0	91	91987	48.5	
149 Acenaphthylene	152	9.653	9.653	0.0	92	523555	45.2	
150 3-Nitroaniline	138	9.819	9.819	0.0	88	96863	47.4	
151 Acenaphthene	153	9.878	9.878	0.0	91	302401	42.5	
152 2,4-Dinitrophenol	184	9.953	9.953	0.0	77	53262	63.8	
153 4-Nitrophenol	109	10.086	10.086	0.0	52	68058	57.4	
155 Dibenzofuran	168	10.097	10.097	0.0	86	498825	46.7	
154 2,4-Dinitrotoluene	165	10.107	10.107	0.0	62	131850	50.4	
160 Diethyl phthalate	149	10.401	10.401	0.0	96	390973	47.3	
161 Fluorene	166	10.508	10.508	0.0	83	415014	45.9	
162 4-Chlorophenyl phenyl ether	204	10.519	10.519	0.0	94	218899	50.3	
164 4-Nitroaniline	138	10.572	10.572	0.0	74	88696	43.8	
166 4,6-Dinitro-2-methylphenol	198	10.599	10.599	0.0	74	83097	51.9	
167 N-Nitrosodiphenylamine	169	10.663	10.663	0.0	58	283754	45.1	
168 1,2-Diphenylhydrazine	77	10.700	10.700	0.0	98	457992	46.4	
176 4-Bromophenyl phenyl ether	248	11.074	11.074	0.0	64	121873	50.5	
177 Hexachlorobenzene	284	11.133	11.133	0.0	90	117112	49.5	
181 Pentachlorophenol	266	11.363	11.363	0.0	85	69018	47.0	
185 Phenanthrene	178	11.577	11.577	0.0	96	601850	44.6	
188 Anthracene	178	11.630	11.630	0.0	96	612310	44.6	
189 Carbazole	167	11.812	11.812	0.0	82	561660	44.1	
192 Di-n-butyl phthalate	149	12.154	12.154	0.0	100	682721	46.5	
197 Fluoranthene	202	12.752	12.752	0.0	96	687459	45.9	
198 Benzidine	184	12.885	12.885	0.0	97	254240	38.9	
199 Pyrene	202	12.966	12.966	0.0	99	698926	44.1	
205 Butyl benzyl phthalate	149	13.532	13.532	0.0	98	310471	44.5	
203 3,3'-Dimethylbenzidine	212		13.537					
208 3,3'-Dichlorobenzidine	252	14.013	14.013	0.0	70	236727	48.0	
210 Bis(2-ethylhexyl) phthalate	149	14.018	14.018	0.0	96	419270	44.8	
209 Benzo[a]anthracene	228	14.039	14.039	0.0	87	651229	46.1	
211 Chrysene	228	14.071	14.071	0.0	93	631775	45.5	
212 Di-n-octyl phthalate	149	14.579	14.579	0.0	100	740417	46.5	
213 Benzo[b]fluoranthene	252	15.012	15.012	0.0	91	664548	47.4	
214 Benzo[k]fluoranthene	252	15.038	15.038	0.0	97	666232	43.6	
217 Benzo[a]pyrene	252	15.343	15.343	0.0	71	565756	46.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
219 Indeno[1,2,3-cd]pyrene	276	16.614	16.614	0.0	94	576460	50.4	
220 Dibenz(a,h)anthracene	278	16.620	16.620	0.0	52	484134	49.7	
221 Benzo[g,h,i]perylene	276	16.962	16.962	0.0	89	492237	53.6	
S 222 Total Cresols	1				0		99.2	
S 77 3 & 4 Methylphenol	108				0		50.7	
S 78 3-Methylphenol	1				0		50.7	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 25-May-2012 12:52:00

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120525-12217.b\1028.D

Injection Date: 25-May-2012 12:14:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973V

Lims Batch ID: 66043

Lims Sample ID: 2

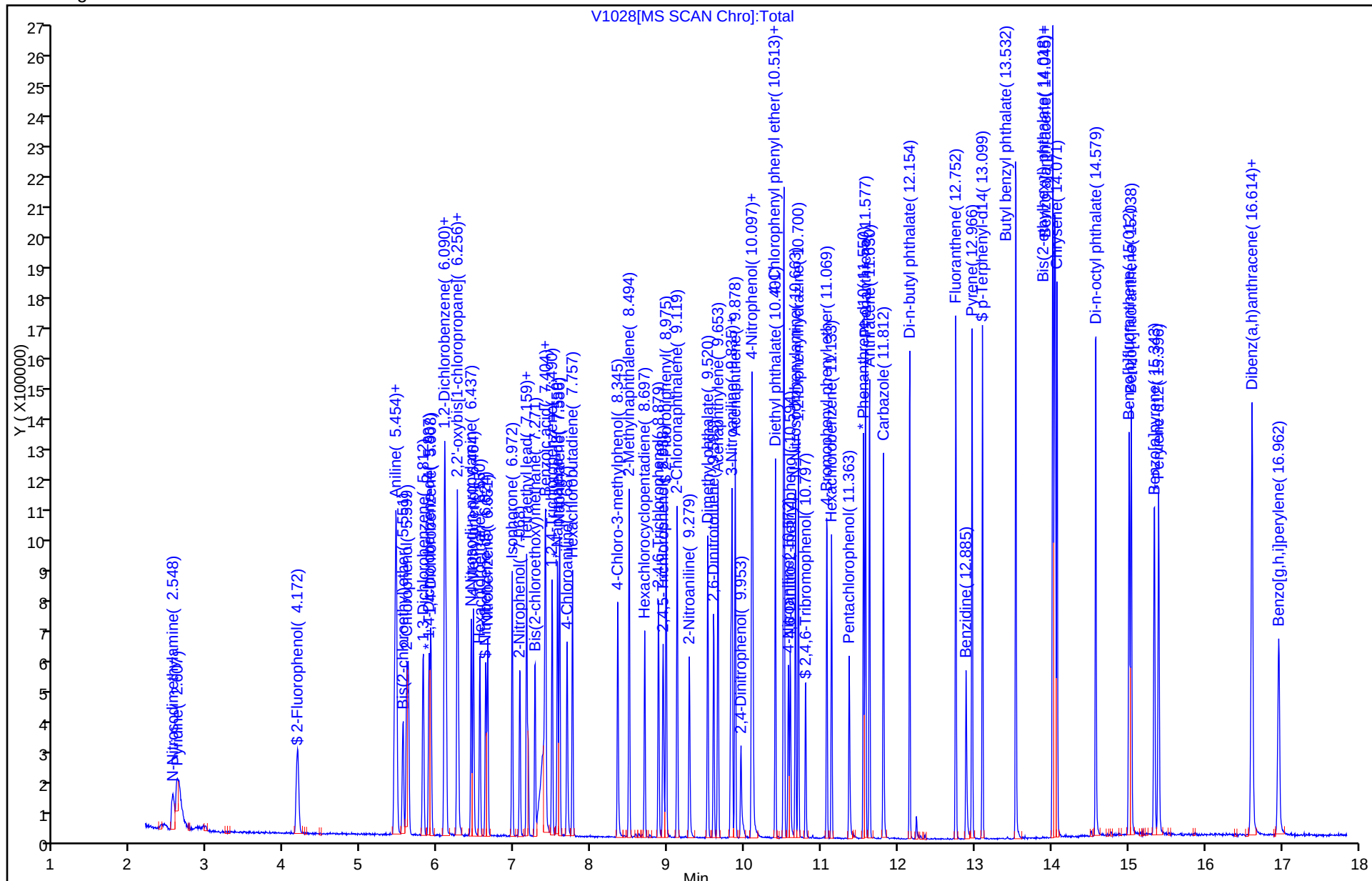
Operator ID: ANM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1

SDG No.: _____

Lab Sample ID: CCVIS 480-66043/2 Calibration Date: 05/25/2012 12:14

Instrument ID: HP5973V Calib Start Date: 05/18/2012 16:10

GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 05/18/2012 18:10

Lab File ID: V1028.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Ave	0.9074	0.9671	0.0100	53300	50000	6.6	25.0
Pyridine	Ave	1.313	1.451	0.0100	55200	50000	10.5	100.0
Phenol	Ave	1.917	1.827	0.0100	47700	50000	-4.7	20.0
Aniline	Ave	2.127	2.047	0.0100	48100	50000	-3.8	100.0
Bis(2-chloroethyl)ether	Ave	1.375	1.332	0.0100	48400	50000	-3.1	25.0
2-Chlorophenol	Ave	1.349	1.289	0.0100	47800	50000	-4.4	25.0
1,3-Dichlorobenzene	Ave	1.534	1.393	0.0100	45400	50000	-9.2	25.0
1,4-Dichlorobenzene	Ave	1.553	1.451	0.0100	46700	50000	-6.6	20.0
Benzyl alcohol	Ave	0.8514	0.8609	0.0100	50600	50000	1.1	100.0
1,2-Dichlorobenzene	Ave	1.464	1.293	0.0100	44200	50000	-11.6	25.0
2-Methylphenol	Ave	1.269	1.230	0.0100	48400	50000	-3.1	25.0
bis (2-chloroisopropyl) ether	Ave	2.738	2.411	0.0100	44000	50000	-12.0	25.0
N-Nitrosodi-n-propylamine	Ave	1.020	1.057	0.0500	51800	50000	3.6	25.0
4-Methylphenol	Ave	1.320	1.339	0.0100	50700	50000	1.5	25.0
Hexachloroethane	Ave	0.5752	0.5693	0.0100	49500	50000	-1.0	25.0
Nitrobenzene	Ave	0.4263	0.4264	0.0100	50000	50000	0.0	25.0
Isophorone	Ave	0.7219	0.7185	0.0100	49800	50000	-0.5	25.0
2-Nitrophenol	Linl		0.1789	0.0100	47700	50000	-4.6	20.0
2,4-Dimethylphenol	Ave	0.3722	0.3657	0.0100	49100	50000	-1.7	25.0
Tetraethyl lead	Ave	0.1178	0.1212	0.0100	51400	50000	2.9	40.0
Bis(2-chloroethoxy)methane	Ave	0.4044	0.3930	0.0100	48600	50000	-2.8	25.0
2,4-Dichlorophenol	Ave	0.2998	0.3046	0.0100	50800	50000	1.6	20.0
Benzoic acid	Linl		0.2632	0.0100	161000	150000	7.5	25.0
1,2,4-Trichlorobenzene	Ave	0.3200	0.3174	0.0100	49600	50000	-0.8	25.0
Naphthalene	Ave	1.017	0.9318	0.0100	45800	50000	-8.4	25.0
4-Chloroaniline	Ave	0.4097	0.3897	0.0100	47600	50000	-4.9	25.0
Hexachlorobutadiene	Ave	0.1791	0.1966	0.0100	54900	50000	9.8	20.0
4-Chloro-3-methylphenol	Ave	0.3038	0.3245	0.0100	53400	50000	6.8	20.0
2-Methylnaphthalene	Ave	0.7052	0.6445	0.0100	45700	50000	-8.6	25.0
Hexachlorocyclopentadiene	Linl		0.2885	0.0500	49500	50000	-1.0	25.0
2,4,6-Trichlorophenol	Ave	0.3172	0.3379	0.0100	53300	50000	6.5	20.0
2,4,5-Trichlorophenol	Ave	0.3231	0.3422	0.0100	52900	50000	5.9	25.0
2-Chloronaphthalene	Ave	1.030	0.9553	0.0100	46400	50000	-7.3	25.0
2-Nitroaniline	Linl		0.3101	0.0100	47100	50000	-5.8	25.0
Dimethyl phthalate	Ave	1.177	1.106	0.0100	47000	50000	-6.0	25.0
2,6-Dinitrotoluene	Linl		0.2508	0.0100	48500	50000	-3.0	25.0
Acenaphthylene	Ave	1.580	1.427	0.0100	45200	50000	-9.6	25.0
3-Nitroaniline	Linl		0.2641	0.0100	47400	50000	-5.2	25.0
Acenaphthene	Ave	0.9708	0.8244	0.0100	42500	50000	-15.1	20.0
2,4-Dinitrophenol	Qua		0.1452	0.0500	63800	50000	27.6*	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-66043/2 Calibration Date: 05/25/2012 12:14
 Instrument ID: HP5973V Calib Start Date: 05/18/2012 16:10
 GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 05/18/2012 18:10
 Lab File ID: V1028.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Nitrophenol	Qua		0.1855	0.0500	57400	50000	14.8	25.0
Dibenzofuran	Ave	1.457	1.360	0.0100	46700	50000	-6.7	25.0
2,4-Dinitrotoluene	Lin1		0.3594	0.0100	50400	50000	0.8	25.0
Diethyl phthalate	Ave	1.127	1.066	0.0100	47300	50000	-5.4	25.0
Fluorene	Ave	1.233	1.131	0.0100	45900	50000	-8.3	25.0
4-Chlorophenyl phenyl ether	Ave	0.5934	0.5968	0.0100	50300	50000	0.6	25.0
4-Nitroaniline	Lin1		0.2418	0.0100	43800	50000	-12.4	25.0
4,6-Dinitro-2-methylphenol	Lin1		0.1339	0.0100	51900	50000	3.8	25.0
N-Nitrosodiphenylamine	Ave	0.5070	0.4571	0.0100	45100	50000	-9.8	20.0
1,2-Diphenylhydrazine	Ave	1.346	1.249	0.0100	46400	50000	-7.2	25.0
4-Bromophenyl phenyl ether	Ave	0.1946	0.1963	0.0100	50500	50000	0.9	25.0
Hexachlorobenzene	Ave	0.1906	0.1886	0.0100	49500	50000	-1.0	25.0
Pentachlorophenol	Lin		0.1112	0.0100	47000	50000	-6.0	20.0
Phenanthrene	Ave	1.088	0.9695	0.0100	44600	50000	-10.9	25.0
Anthracene	Ave	1.106	0.9863	0.0100	44600	50000	-10.8	25.0
Carbazole	Ave	1.027	0.9047	0.0100	44100	50000	-11.9	25.0
Di-n-butyl phthalate	Ave	1.183	1.100	0.0100	46500	50000	-7.1	25.0
Fluoranthene	Ave	1.205	1.107	0.0100	45900	50000	-8.1	20.0
Benzidine	Ave	0.5301	0.4126	0.0100	38900	50000	-22.2	25.0
Pyrene	Ave	1.285	1.134	0.0100	44100	50000	-11.7	25.0
Butyl benzyl phthalate	Ave	0.5660	0.5038	0.0100	44500	50000	-11.0	25.0
3,3'-Dichlorobenzidine	Ave	0.4001	0.3842	0.0100	48000	50000	-4.0	25.0
Bis(2-ethylhexyl) phthalate	Ave	0.7599	0.6804	0.0100	44800	50000	-10.5	25.0
Benz(a)anthracene	Ave	1.147	1.057	0.0100	46100	50000	-7.9	25.0
Chrysene	Ave	1.126	1.025	0.0100	45500	50000	-8.9	25.0
Di-n-octyl phthalate	Ave	1.291	1.202	0.0100	46500	50000	-6.9	20.0
Benzo(b)fluoranthene	Ave	1.079	1.023	0.0100	47400	50000	-5.3	25.0
Benzo(k)fluoranthene	Ave	1.177	1.025	0.0100	43600	50000	-12.9	25.0
Benzo(a)pyrene	Ave	0.9456	0.8707	0.0100	46000	50000	-7.9	20.0
Indeno(1,2,3-c,d)pyrene	Ave	0.8794	0.8872	0.0100	50400	50000	0.9	25.0
Dibenz(a,h)anthracene	Ave	0.7491	0.7451	0.0100	49700	50000	-0.5	25.0
Benzo(g,h,i)perylene	Ave	0.7071	0.7576	0.0100	53600	50000	7.1	25.0
2-Fluorophenol	Ave	1.229	1.257	0.0100	51100	50000	2.2	25.0
Phenol-d5	Ave	1.677	1.664	0.0100	49600	50000	-0.8	25.0
Nitrobenzene-d5	Ave	0.3817	0.4111	0.0100	53900	50000	7.7	25.0
2-Fluorobiphenyl	Ave	1.159	1.058	0.0100	45600	50000	-8.7	25.0
2,4,6-Tribromophenol	Lin1		0.0829	0.0100	50100	50000	0.2	25.0
p-Terphenyl-d14	Ave	0.8194	0.7612	0.0100	46400	50000	-7.1	25.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20120525-12217.b\V1028.D
 Lims ID: CCVIS 8270 Client ID:
 Inject. Date: 25-May-2012 12:14:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: 480-0012217-002
 Misc. Info.: DMC
 Operator: ANM Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 66043 Lims Sample ID: 2
 Sublist: chrom-V-8270*sub23
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20120525-12217.b\V-8270.m
 Last Update: 25-May-2012 12:51:59 Calib Date: 18-May-2012 18:10:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0750.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: mcgoverna

Date: 25-May-2012 12:51:59

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.887	5.887	0.0	96	108721	40.0	
* 2 Naphthalene-d8	136	7.559	7.559	0.0	100	417338	40.0	
* 3 Acenaphthene-d10	164	9.835	9.835	0.0	88	293457	40.0	
* 4 Phenanthrene-d10	188	11.550	11.550	0.0	96	496648	40.0	
* 5 Chrysene-d12	240	14.050	14.050	0.0	93	492983	40.0	
* 6 Perylene-d12	264	15.396	15.396	0.0	99	519817	40.0	
\$ 9 2-Fluorophenol	112	4.178	4.178	0.0	89	170765	51.1	
\$ 10 Phenol-d5	99	5.438	5.438	0.0	92	226105	49.6	
\$ 11 Nitrobenzene-d5	82	6.624	6.624	0.0	91	214466	53.9	
\$ 12 2-Fluorobiphenyl	172	8.975	8.975	0.0	99	388176	45.6	
\$ 13 2,4,6-Tribromophenol	330	10.797	10.797	0.0	86	51452	50.1	
\$ 14 p-Terphenyl-d14	244	13.099	13.099	0.0	98	469068	46.4	
81 N-Nitrosodimethylamine	42	2.548	2.548	0.0	78	131426	53.3	
82 Pyridine	52	2.623	2.623	0.0	83	197126	55.2	M
89 Phenol	94	5.454	5.454	0.0	80	248277	47.7	
90 Aniline	93	5.460	5.460	0.0	64	278178	48.1	
91 Bis(2-chloroethyl)ether	93	5.551	5.551	0.0	94	181026	48.4	
93 2-Chlorophenol	128	5.615	5.615	0.0	95	175211	47.8	
94 1,3-Dichlorobenzene	146	5.812	5.812	0.0	94	189266	45.4	
95 1,4-Dichlorobenzene	146	5.908	5.908	0.0	83	197137	46.7	
96 Benzyl alcohol	108	6.090	6.090	0.0	83	117003	50.6	
97 1,2-Dichlorobenzene	146	6.111	6.111	0.0	82	175731	44.2	
98 2-Methylphenol	108	6.256	6.256	0.0	91	167105	48.4	
99 2,2'-oxybis[1-chloropropane]	45	6.261	6.261	0.0	87	327616	44.0	
101 N-Nitrosodi-n-propylamine	70	6.437	6.437	0.0	93	143617	51.8	
102 4-Methylphenol	108	6.464	6.464	0.0	90	182001	50.7	
106 Hexachloroethane	117	6.550	6.550	0.0	92	77370	49.5	
107 Nitrobenzene	77	6.651	6.651	0.0	92	222444	50.0	
110 Isophorone	82	6.972	6.972	0.0	98	374793	49.8	
111 2-Nitrophenol	139	7.073	7.073	0.0	92	93321	47.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
112 2,4-Dimethylphenol	107	7.159	7.159	0.0	97	190770	49.1	
113 Tetraethyl lead	237	7.175	7.175	0.0	90	63217	51.4	
115 Bis(2-chloroethoxy)methane	93	7.265	7.265	0.0	97	205008	48.6	
117 2,4-Dichlorophenol	162	7.404	7.404	0.0	95	158919	50.8	
119 Benzoic acid	105	7.410	7.410	0.0	87	411860	161.3	
120 1,2,4-Trichlorobenzene	180	7.490	7.490	0.0	92	165596	49.6	
121 Naphthalene	128	7.591	7.591	0.0	96	486071	45.8	
123 4-Chloroaniline	127	7.687	7.687	0.0	84	203289	47.6	
126 Hexachlorobutadiene	225	7.757	7.757	0.0	94	102579	54.9	
131 4-Chloro-3-methylphenol	107	8.345	8.345	0.0	92	169299	53.4	
133 2-Methylnaphthalene	142	8.494	8.494	0.0	88	336199	45.7	
136 Hexachlorocyclopentadiene	237	8.697	8.697	0.0	98	105819	49.5	
139 2,4,6-Trichlorophenol	196	8.879	8.879	0.0	93	123938	53.3	
140 2,4,5-Trichlorophenol	196	8.938	8.938	0.0	94	125511	52.9	
143 2-Chloronaphthalene	162	9.119	9.119	0.0	97	350440	46.4	
145 2-Nitroaniline	65	9.279	9.279	0.0	78	113757	47.1	
147 Dimethyl phthalate	163	9.520	9.520	0.0	97	405805	47.0	
148 2,6-Dinitrotoluene	165	9.600	9.600	0.0	91	91987	48.5	
149 Acenaphthylene	152	9.653	9.653	0.0	92	523555	45.2	
150 3-Nitroaniline	138	9.819	9.819	0.0	88	96863	47.4	
151 Acenaphthene	153	9.878	9.878	0.0	91	302401	42.5	
152 2,4-Dinitrophenol	184	9.953	9.953	0.0	77	53262	63.8	
153 4-Nitrophenol	109	10.086	10.086	0.0	52	68058	57.4	
155 Dibenzofuran	168	10.097	10.097	0.0	86	498825	46.7	
154 2,4-Dinitrotoluene	165	10.107	10.107	0.0	62	131850	50.4	
160 Diethyl phthalate	149	10.401	10.401	0.0	96	390973	47.3	
161 Fluorene	166	10.508	10.508	0.0	83	415014	45.9	
162 4-Chlorophenyl phenyl ether	204	10.519	10.519	0.0	94	218899	50.3	
164 4-Nitroaniline	138	10.572	10.572	0.0	74	88696	43.8	
166 4,6-Dinitro-2-methylphenol	198	10.599	10.599	0.0	74	83097	51.9	
167 N-Nitrosodiphenylamine	169	10.663	10.663	0.0	58	283754	45.1	
168 1,2-Diphenylhydrazine	77	10.700	10.700	0.0	98	457992	46.4	
176 4-Bromophenyl phenyl ether	248	11.074	11.074	0.0	64	121873	50.5	
177 Hexachlorobenzene	284	11.133	11.133	0.0	90	117112	49.5	
181 Pentachlorophenol	266	11.363	11.363	0.0	85	69018	47.0	
185 Phenanthrene	178	11.577	11.577	0.0	96	601850	44.6	
188 Anthracene	178	11.630	11.630	0.0	96	612310	44.6	
189 Carbazole	167	11.812	11.812	0.0	82	561660	44.1	
192 Di-n-butyl phthalate	149	12.154	12.154	0.0	100	682721	46.5	
197 Fluoranthene	202	12.752	12.752	0.0	96	687459	45.9	
198 Benzidine	184	12.885	12.885	0.0	97	254240	38.9	
199 Pyrene	202	12.966	12.966	0.0	99	698926	44.1	
205 Butyl benzyl phthalate	149	13.532	13.532	0.0	98	310471	44.5	
203 3,3'-Dimethylbenzidine	212		13.537					
208 3,3'-Dichlorobenzidine	252	14.013	14.013	0.0	70	236727	48.0	
210 Bis(2-ethylhexyl) phthalate	149	14.018	14.018	0.0	96	419270	44.8	
209 Benzo[a]anthracene	228	14.039	14.039	0.0	87	651229	46.1	
211 Chrysene	228	14.071	14.071	0.0	93	631775	45.5	
212 Di-n-octyl phthalate	149	14.579	14.579	0.0	100	740417	46.5	
213 Benzo[b]fluoranthene	252	15.012	15.012	0.0	91	664548	47.4	
214 Benzo[k]fluoranthene	252	15.038	15.038	0.0	97	666232	43.6	
217 Benzo[a]pyrene	252	15.343	15.343	0.0	71	565756	46.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
219 Indeno[1,2,3-cd]pyrene	276	16.614	16.614	0.0	94	576460	50.4	
220 Dibenz(a,h)anthracene	278	16.620	16.620	0.0	52	484134	49.7	
221 Benzo[g,h,i]perylene	276	16.962	16.962	0.0	89	492237	53.6	
S 222 Total Cresols	1				0		99.2	
S 77 3 & 4 Methylphenol	108				0		50.7	
S 78 3-Methylphenol	1				0		50.7	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 25-May-2012 12:52:00

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120525-12217.b\1028.D

Injection Date: 25-May-2012 12:14:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973V

Lims Batch ID: 66043

Lims Sample ID: 2

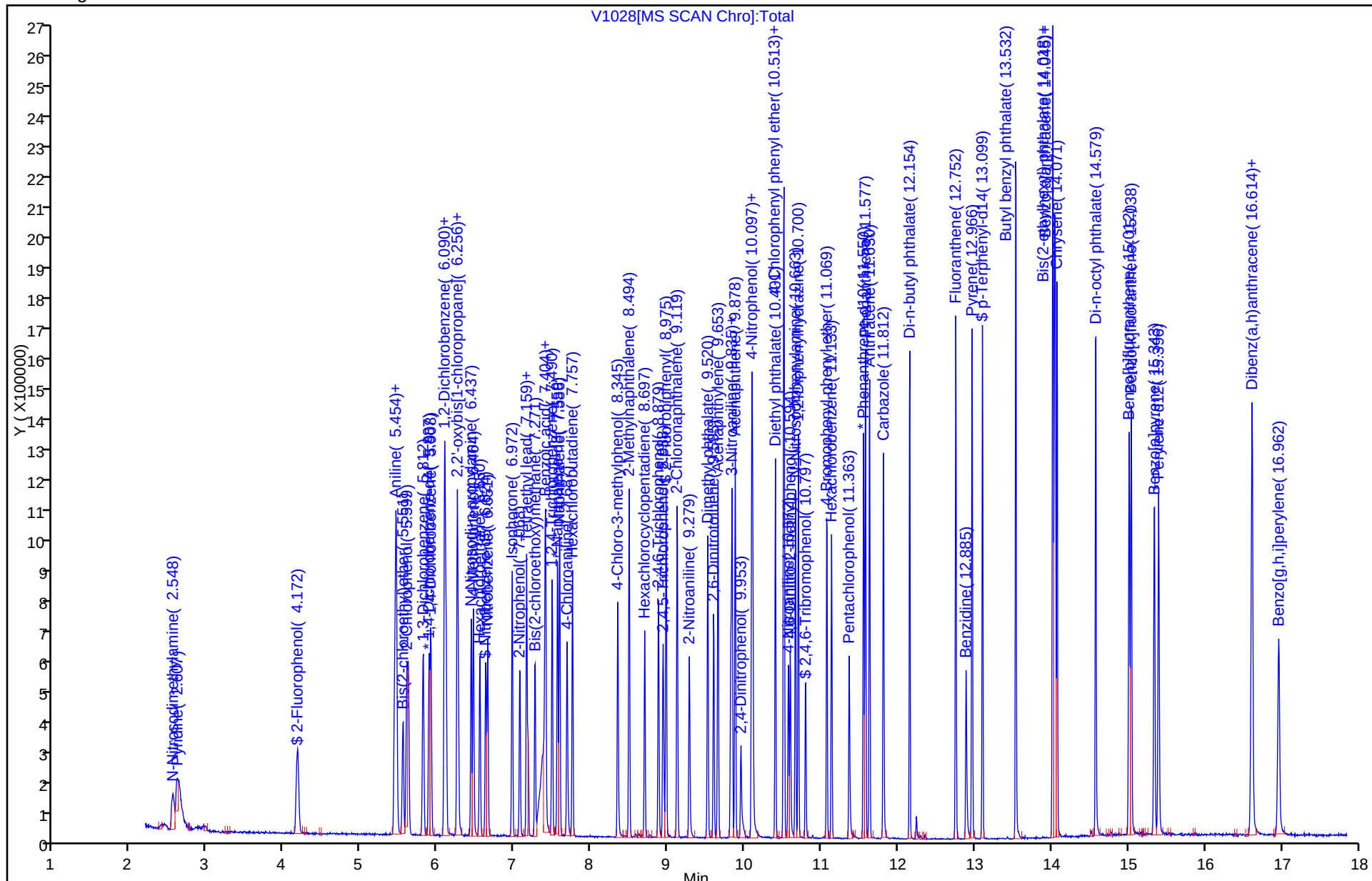
Operator ID: ANM

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:

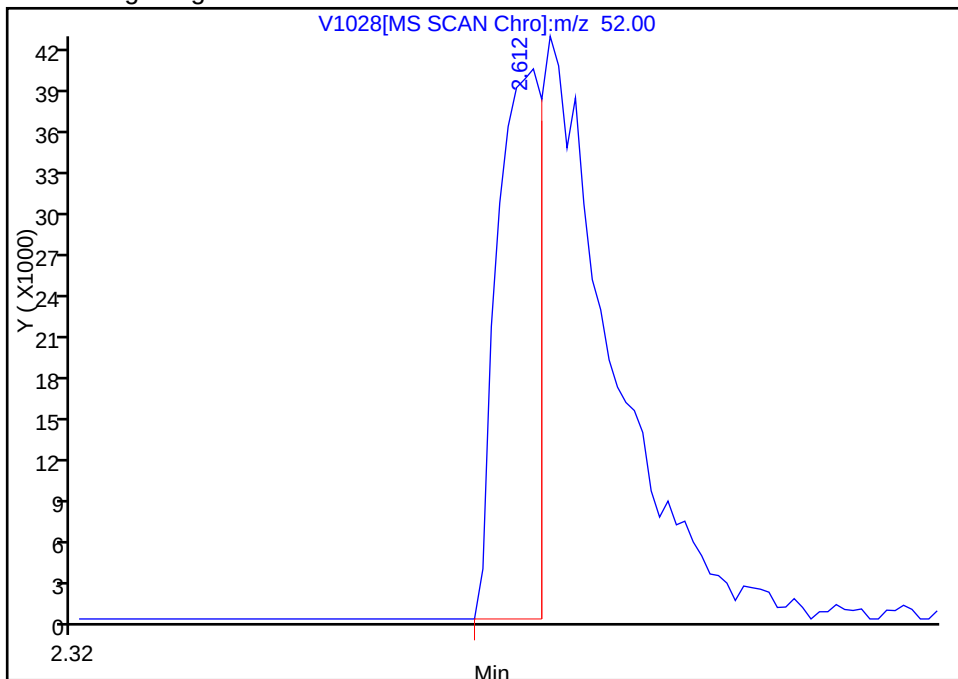


Data File:	\\Bufchrom\ChromData\HP5973V\20120525-12217.b\V1028.D		
Injection Date:	25-May-2012 12:14:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	66043	Lims Sample ID:	2
Operator ID:	ANM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

82 Pyridine, Signal: 1, m/z: 52.0 Type: quant, RT: 2.62

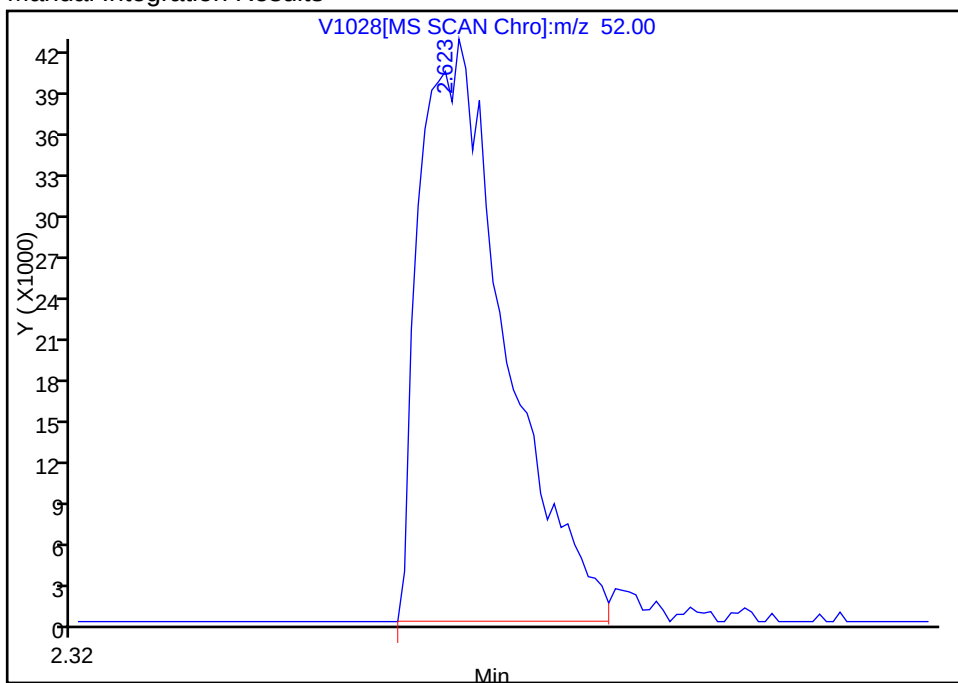
RT: 2.61
Response: 78686
Amount: 22.053805

Processing Integration Results



RT: 2.62
Response: 197126
Amount: 55.249707

Manual Integration Results



Reviewer: mcgoverna, 25-May-2012 12:51:59

Audit Action: Manually Integrated

Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0744.D
 Lims ID: DFTPP Client ID:
 Inject. Date: 18-May-2012 15:54:30 Dil. Factor: 1.0000
 Sample Type: DFTPP
 Sample ID: DFTPP
 Misc. Info.: DFTPP
 Operator: HL Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 1
 Lims Batch ID: 65015 Lims Sample ID: 1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20120518-12017.b\V-8270.m
 Last Update: 19-May-2012 13:02:43 Calib Date: 18-May-2012 18:10:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0750.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: lyh

Date: 19-May-2012 13:02:42

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
108 Pentachlorophenol_T	266	6.916	6.916	0.0	83	52186	0	
114 DFTPP								
130 Benzidine_T	184	8.348	8.348	0.0	97	373648	0	
137 4,4'-DDD	235		8.792					
141 4,4'-DDT	235	9.059	9.059	0.0	95	158623	0	
134 4,4'-DDE	246		9.091					

Data File: \\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0744.D

Injection Date: 18-May-2012 15:54:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973V

Lims Batch ID: 65015

Lims Sample ID: 1

Operator ID: HL

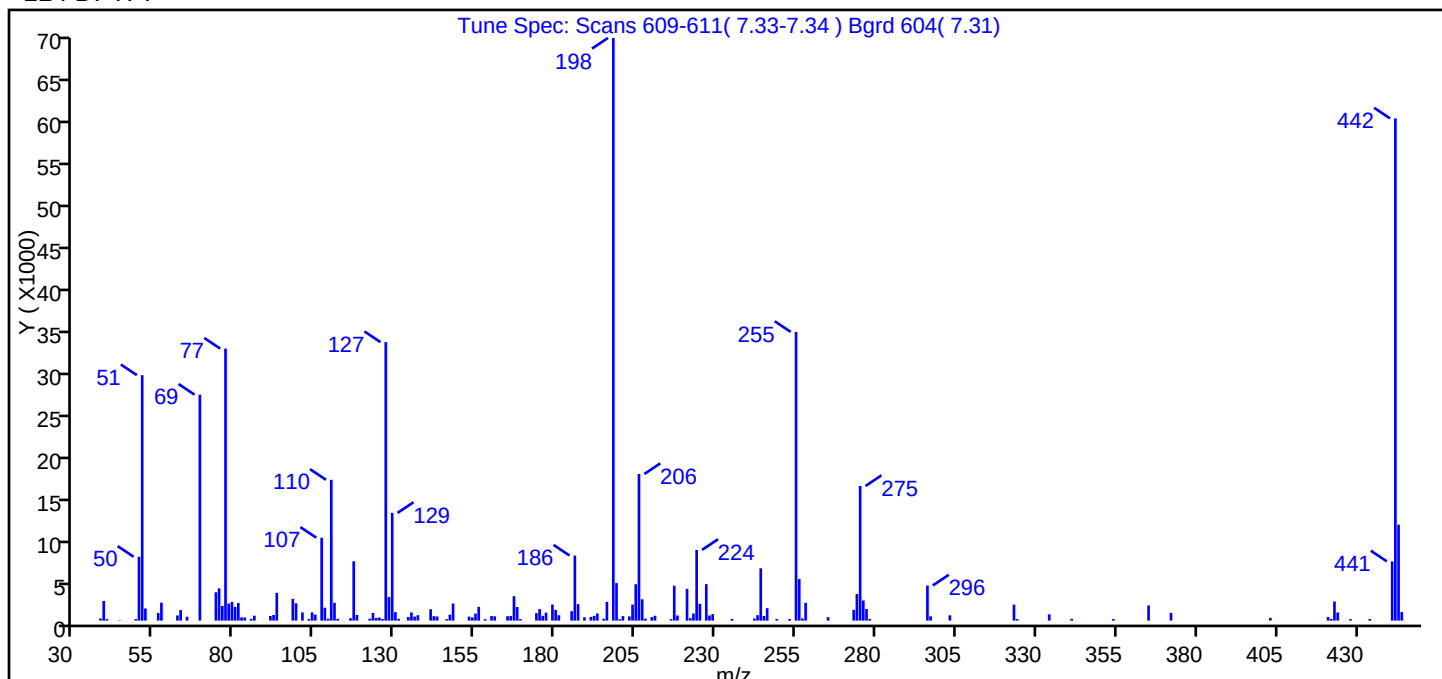
Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Tune Method: DFTPP Method 8270

114 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	42.12
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	38.77
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	47.80
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.44
275	10.00 - 30.00% of mass 198	23.10
365	Greater than 1.00% of mass 198	2.60
441	Present, but less than mass 443%	10.16 (61.74)
442	Greater than 40.00% of mass 198	86.19
443	17.00 - 23.00% of mass 442	16.46 (19.09)

Data File: \\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0744.D\V-8270.rslt\spectra.d
Injection Date: 18-May-2012 15:54:30
Spectrum: Tune Spec: Scans 609-611(7.33-7.34) Bgrd 604(7.31)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 155

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	252	111.00	2116	176.00	566	243.00	645
39.00	2343	112.00	213	177.00	950	244.00	6239
40.00	182	116.00	283	179.00	1918	245.00	546
44.00	49	117.00	7078	180.00	1279	246.00	1484
49.00	178	118.00	671	181.00	637	249.00	198
50.00	7612	122.00	230	185.00	1119	253.00	192
51.00	29280	123.00	911	186.00	7760	255.00	34440
52.00	1447	124.00	321	187.00	1964	256.00	4955
56.00	910	125.00	363	189.00	402	257.00	258
57.00	2143	126.00	191	191.00	443	258.00	2115
62.00	612	127.00	33224	192.00	561	265.00	412
63.00	1260	128.00	2808	193.00	847	273.00	1278
65.00	463	129.00	12849	195.00	226	274.00	3170
69.00	26952	130.00	1006	196.00	2231	275.00	16056
74.00	3382	131.00	214	198.00	69512	276.00	2393
75.00	3848	134.00	430	199.00	4474	277.00	1383
76.00	1748	135.00	973	200.00	175	278.00	201
77.00	32448	136.00	483	201.00	535	296.00	4190
78.00	2028	137.00	644	203.00	501	297.00	518
79.00	2237	141.00	1357	204.00	1907	303.00	630
80.00	1631	142.00	534	205.00	4341	323.00	1908
81.00	2108	143.00	498	206.00	17488	324.00	177
82.00	386	146.00	173	207.00	2542	334.00	743
83.00	376	147.00	703	208.00	231	341.00	219
85.00	214	148.00	2034	210.00	419	354.00	197
86.00	587	153.00	478	211.00	575	365.00	1810
91.00	548	154.00	381	216.00	168	372.00	920
92.00	669	155.00	839	217.00	4162	403.00	326
93.00	3306	156.00	1633	218.00	605	421.00	424
98.00	2592	158.00	173	221.00	3786	422.00	198
99.00	2072	160.00	541	222.00	278	423.00	2284
101.00	977	161.00	507	223.00	846	424.00	964
103.00	188	165.00	526	224.00	8433	428.00	180

Report Date: 19-May-2012 13:02:43

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0744.D\V-8270.rslt\spectra.d

Injection Date: 18-May-2012 15:54:30

Spectrum: Tune Spec: Scans 609-611(7.33-7.34) Bgrd 604(7.31)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 155

m/z	Y	m/z	Y	m/z	Y	m/z	Y
104.00	979	166.00	547	225.00	2007	434.00	196
105.00	710	167.00	2909	227.00	4353	441.00	7063
107.00	9883	168.00	1624	228.00	606	442.00	59912
108.00	1537	169.00	178	229.00	777	443.00	11440
109.00	223	174.00	895	235.00	201	444.00	1016
110.00	16800	175.00	1364	242.00	249		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20120524-12193.b\V0991.D
Lims ID: DFTPP Client ID:
Inject. Date: 24-May-2012 22:08:30 Dil. Factor: 1.0000
Sample Type: DFTPP
Sample ID: 480-0012193-001
Misc. Info.: DFTPP
Operator: HL Instrument ID: HP5973V
Vol. Injected: 1.0000 ALS Bottle#: 11
Lims Batch ID: 65945 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973V\20120524-12193.b\V-8270.m
Last Update: 25-May-2012 09:53:27 Calib Date: 18-May-2012 18:10:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0750.D
Limit Group: MB - 8270C ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-19

First Level Reviewer: mcgoverna

Date: 25-May-2012 09:53:27

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
108 Pentachlorophenol_T	266	6.874	6.874	0.0	89	155090	0	
114 DFTPP								
130 Benzidine_T	184	8.300	8.300	0.0	98	997822	0	
137 4,4'-DDD	235	8.749	8.749	0.0	16	7559	0	
141 4,4'-DDT	235	9.005	9.005	0.0	96	378166	0	
134 4,4'-DDE	246	9.005	9.005	0.0	46	21524	0	

Data File: \\Bufchrom\ChromData\HP5973V\20120524-12193.b\V0991.D

Injection Date: 24-May-2012 22:08:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973V

Lims Batch ID: 65945

Lims Sample ID: 1

Operator ID: HL

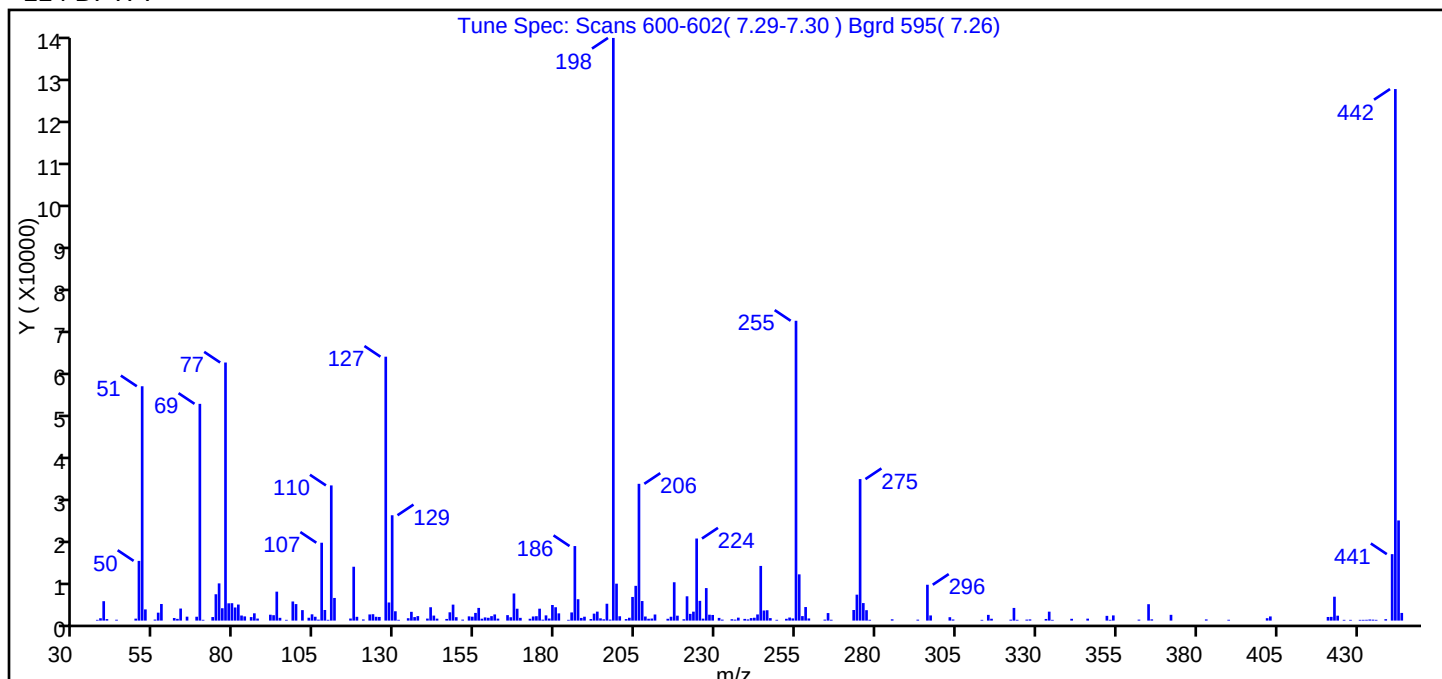
Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Tune Method: DFTPP Method 8270

114 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	40.22
68	Less than 2.00% of mass 69	0.66 (1.78)
69	Present	37.20
70	Less than 2.00% of mass 69	0.14 (0.37)
127	40.00 - 60.00% of mass 198	45.29
197	Less than 1.00% of mass 198	0.17
199	5.00 - 9.00% of mass 198	6.34
275	10.00 - 30.00% of mass 198	24.29
365	Greater than 1.00% of mass 198	2.82
441	Present, but less than mass 443%	11.41 (66.36)
442	Greater than 40.00% of mass 198	91.23
443	17.00 - 23.00% of mass 442	17.19 (18.84)

Data File: \\Bufchrom\ChromData\HP5973V\20120524-12193.b\V0991.D\V-8270.rslt\spectra.d
Injection Date: 24-May-2012 22:08:30
Spectrum: Tune Spec: Scans 600-602(7.29-7.30) Bgrd 595(7.26)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 220

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	170	123.00	1442	194.00	508	265.00	1698
38.00	527	124.00	858	195.00	292	266.00	192
39.00	4370	125.00	822	196.00	3797	273.00	2386
40.00	338	127.00	59424	197.00	228	274.00	5839
43.00	198	128.00	4078	198.00	131200	275.00	31864
49.00	439	129.00	23720	199.00	8316	276.00	3945
50.00	13445	130.00	2102	200.00	979	277.00	2345
51.00	52768	131.00	177	202.00	343	278.00	184
52.00	2520	134.00	535	203.00	641	285.00	290
55.00	233	135.00	1976	204.00	5325	293.00	213
56.00	1786	136.00	790	205.00	7827	296.00	8072
57.00	3739	137.00	1011	206.00	30800	297.00	1161
61.00	582	140.00	453	207.00	4404	303.00	765
62.00	392	141.00	3007	208.00	922	304.00	250
63.00	2714	142.00	1129	209.00	418	313.00	168
65.00	884	143.00	440	210.00	460	315.00	1289
68.00	870	146.00	374	211.00	1375	316.00	419
69.00	48808	147.00	1870	215.00	410	322.00	209
70.00	179	148.00	3598	216.00	864	323.00	2854
73.00	798	149.00	771	217.00	8634	324.00	177
74.00	5935	151.00	220	218.00	1106	327.00	223
75.00	8379	153.00	955	220.00	299	328.00	271
76.00	2783	154.00	880	221.00	5472	333.00	368
77.00	58112	155.00	1729	222.00	1515	334.00	2013
78.00	3892	156.00	2857	223.00	2016	335.00	169
79.00	3919	157.00	429	224.00	18480	341.00	405
80.00	2954	158.00	719	225.00	4448	346.00	438
81.00	3615	159.00	634	226.00	439	352.00	1067
82.00	1141	160.00	1003	227.00	7319	353.00	175
83.00	947	161.00	1387	228.00	1324	354.00	1169
85.00	790	162.00	444	229.00	1269	362.00	218
86.00	1640	165.00	1230	231.00	607	365.00	3694
87.00	459	166.00	754	232.00	219	366.00	280

Data File: \\Bufchrom\ChromData\HP5973V\20120524-12193.b\V0991.D\V-8270.rslt\spectra.d

Injection Date: 24-May-2012 22:08:30

Spectrum: Tune Spec: Scans 600-602(7.29-7.30) Bgrd 595(7.26)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 220

m/z	Y	m/z	Y	m/z	Y	m/z	Y
91.00	1324	167.00	6102	235.00	308	372.00	1298
92.00	1219	168.00	2675	236.00	220	383.00	268
93.00	6518	169.00	620	237.00	664	390.00	187
94.00	625	172.00	413	239.00	383	402.00	542
96.00	173	173.00	929	240.00	264	403.00	938
98.00	4306	174.00	988	241.00	562	421.00	815
99.00	3719	175.00	2682	242.00	641	422.00	840
101.00	2357	176.00	210	243.00	1387	423.00	5376
103.00	642	177.00	1177	244.00	12309	424.00	1105
104.00	1416	178.00	462	245.00	2272	426.00	171
105.00	865	179.00	3512	246.00	2333	428.00	167
106.00	218	180.00	3007	247.00	559	431.00	168
107.00	17536	181.00	1630	249.00	177	432.00	172
108.00	2389	184.00	174	252.00	405	433.00	184
109.00	180	185.00	1840	253.00	686	434.00	246
110.00	30440	186.00	16784	254.00	490	435.00	213
111.00	5098	187.00	4815	255.00	67512	436.00	171
116.00	466	188.00	600	256.00	10414	439.00	317
117.00	12128	189.00	875	257.00	1015	441.00	14965
118.00	853	191.00	349	258.00	3052	442.00	119688
120.00	258	192.00	1566	259.00	484	443.00	22552
122.00	1386	193.00	2020	264.00	224	444.00	1728

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20120525-12217.b\V1027.D
 Lims ID: DFTPP Client ID:
 Inject. Date: 25-May-2012 11:40:30 Dil. Factor: 1.0000
 Sample Type: DFTPP
 Sample ID: 480-0012217-001
 Misc. Info.: DMC
 Operator: ANM Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 66043 Lims Sample ID: 1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20120525-12217.b\V-8270.m
 Last Update: 25-May-2012 11:57:17 Calib Date: 18-May-2012 18:10:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0750.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: mcgoverna

Date: 25-May-2012 11:57:17

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
108 Pentachlorophenol_T	266	6.884	6.884	0.0	87	103309	0	
114 DFTPP								
130 Benzidine_T	184	8.321	8.321	0.0	98	634299	0	
137 4,4'-DDD	235		8.909					
134 4,4'-DDE	246		8.912					
141 4,4'-DDT	235	9.027	9.027	0.0	97	287318	0	M

QC Flag Legend

Review Flags

M - Manually Integrated

Data File: \\Bufchrom\ChromData\HP5973V\20120525-12217.b\V1027.D

Injection Date: 25-May-2012 11:40:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973V

Lims Batch ID: 66043

Lims Sample ID: 1

Operator ID: ANM

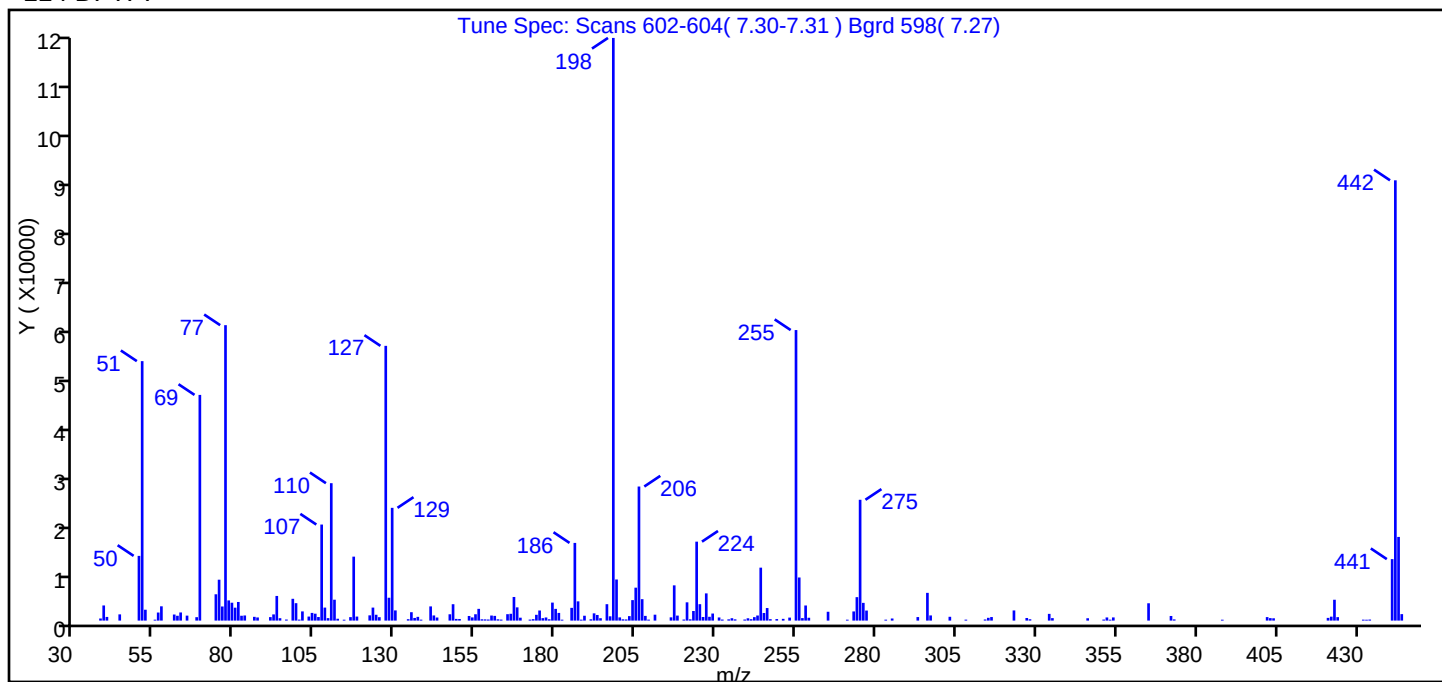
Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Tune Method: DFTPP Method 8270

114 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	44.53
68	Less than 2.00% of mass 69	0.59 (1.51)
69	Present	38.74
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	47.15
197	Less than 1.00% of mass 198	0.74
199	5.00 - 9.00% of mass 198	7.05
275	10.00 - 30.00% of mass 198	20.74
365	Greater than 1.00% of mass 198	2.97
441	Present, but less than mass 443%	10.55 (73.48)
442	Greater than 40.00% of mass 198	75.56
443	17.00 - 23.00% of mass 442	14.36 (19.00)

Data File: \\Bufchrom\ChromData\HP5973V\20120525-12217.b\1027.D\10270.rslt\spectra.d
Injection Date: 25-May-2012 11:40:30
Spectrum: Tune Spec: Scans 602-604(7.30-7.31) Bgrd 598(7.27)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 202

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	403	122.00	1005	189.00	931	256.00	8254
39.00	2898	123.00	2490	191.00	249	257.00	478
40.00	702	124.00	1118	192.00	1389	258.00	2894
44.00	1193	125.00	655	193.00	1079	259.00	544
50.00	12391	127.00	52608	194.00	457	265.00	1692
51.00	49680	128.00	4375	196.00	3142	271.00	177
52.00	2081	129.00	21592	197.00	823	273.00	1755
55.00	177	130.00	1951	198.00	111568	274.00	4488
56.00	1545	134.00	267	199.00	7870	275.00	23136
57.00	2736	135.00	1608	200.00	614	276.00	3395
61.00	1164	136.00	509	201.00	246	277.00	1922
62.00	925	137.00	717	202.00	222	283.00	179
63.00	1557	138.00	181	203.00	860	285.00	403
65.00	952	141.00	2718	204.00	3922	293.00	676
68.00	654	142.00	985	205.00	6304	296.00	5310
69.00	43216	143.00	590	206.00	25672	297.00	988
74.00	5041	147.00	1210	207.00	4104	303.00	729
75.00	7831	148.00	3137	208.00	901	308.00	184
76.00	2703	149.00	323	209.00	189	314.00	215
77.00	56568	150.00	308	211.00	1131	315.00	534
78.00	3867	153.00	884	216.00	623	316.00	680
79.00	3424	154.00	610	217.00	6748	323.00	1945
80.00	2475	155.00	1217	218.00	958	327.00	499
81.00	3567	156.00	2249	220.00	203	328.00	258
82.00	928	157.00	250	221.00	3499	334.00	1287
83.00	981	158.00	233	222.00	246	335.00	474
86.00	720	159.00	207	223.00	1836	346.00	449
87.00	601	160.00	967	224.00	15116	351.00	198
91.00	668	161.00	904	225.00	3143	352.00	604
92.00	1186	162.00	252	226.00	689	353.00	174
93.00	4720	163.00	192	227.00	5211	354.00	609
94.00	458	165.00	1226	228.00	728	365.00	3318
96.00	205	166.00	1304	229.00	1353	372.00	884

Report Date: 25-May-2012 11:57:18

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120525-12217.b\1027.D\10270.rslt\spectra.d

Injection Date: 25-May-2012 11:40:30

Spectrum: Tune Spec: Scans 602-604(7.30-7.31) Bgrd 598(7.27)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 202

m/z	Y	m/z	Y	m/z	Y	m/z	Y
98.00	4174	167.00	4522	231.00	602	373.00	229
99.00	3336	168.00	2534	232.00	200	388.00	171
100.00	191	169.00	555	234.00	239	402.00	669
101.00	1759	172.00	190	235.00	456	403.00	474
103.00	773	173.00	274	236.00	240	404.00	442
104.00	1472	174.00	1110	239.00	203	421.00	519
105.00	1321	175.00	1932	240.00	444	422.00	753
106.00	682	176.00	472	241.00	268	423.00	3993
107.00	18392	177.00	599	242.00	662	424.00	660
108.00	2490	178.00	257	243.00	974	432.00	181
109.00	473	179.00	3447	244.00	10138	433.00	168
110.00	26312	180.00	2244	245.00	1453	434.00	198
111.00	4001	181.00	1471	246.00	2404	441.00	11772
112.00	356	182.00	175	247.00	274	442.00	84304
114.00	173	185.00	2441	249.00	294	443.00	16021
116.00	665	186.00	14876	251.00	334	444.00	1241
117.00	12246	187.00	3686	253.00	574		
118.00	772	188.00	184	255.00	55632		

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-65066/1-A
 Matrix: Water Lab File ID: V0994.D
 Analysis Method: 8270C Date Collected: _____
 Extract. Method: 3510C Date Extracted: 05/18/2012 13:56
 Sample wt/vol: 1000 (mL) Date Analyzed: 05/24/2012 23:14
 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.: 65945 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
120-12-7	Anthracene	ND		5.0	0.28
56-55-3	Benz (a) anthracene	ND		5.0	0.36
50-32-8	Benzo (a) pyrene	ND		5.0	0.47
205-99-2	Benzo (b) fluoranthene	ND		5.0	0.34
191-24-2	Benzo (g, h, i) perylene	ND		5.0	0.35
207-08-9	Benzo (k) fluoranthene	ND		5.0	0.73
218-01-9	Chrysene	ND		5.0	0.33
53-70-3	Dibenz (a, h) anthracene	ND		5.0	0.42
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
193-39-5	Indeno (1, 2, 3-c, d) pyrene	ND		5.0	0.47
91-20-3	Naphthalene	ND		5.0	0.76
85-01-8	Phenanthrene	ND		5.0	0.44
129-00-0	Pyrene	ND		5.0	0.34
91-57-6	2-Methylnaphthalene	ND		5.0	0.60

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	83		46-120
321-60-8	2-Fluorobiphenyl	86		48-120
1718-51-0	p-Terphenyl-d14	108		67-150

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20120524-12193.b\V0994.D
 Lims ID: MB 480-65066/1-A Client ID:
 Inject. Date: 24-May-2012 23:14:30 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: 480-0012193-004
 Misc. Info.: MB 480-65066/1-A
 Operator: HL Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 41
 Lims Batch ID: 65945 Lims Sample ID: 4
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20120524-12193.b\V-8270.m
 Last Update: 25-May-2012 10:50:12 Calib Date: 18-May-2012 18:10:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0750.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: mcgoverna

Date: 25-May-2012 13:12:44

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.887	5.887	0.0	96	100022	40.0	
* 2 Naphthalene-d8	136	7.559	7.559	0.0	99	393416	40.0	
* 3 Acenaphthene-d10	164	9.830	9.824	0.006	87	274089	40.0	
* 4 Phenanthrene-d10	188	11.534	11.534	0.0	97	433631	40.0	
* 5 Chrysene-d12	240	14.029	14.023	0.006	98	500257	40.0	
* 6 Perylene-d12	264	15.359	15.359	0.0	98	294162	40.0	
\$ 9 2-Fluorophenol	112	4.183	4.183	0.0	92	221380	72.0	
\$ 10 Phenol-d5	99	5.444	5.444	0.0	88	221982	53.0	
\$ 11 Nitrobenzene-d5	82	6.624	6.624	0.0	92	309860	82.5	
\$ 12 2-Fluorobiphenyl	172	8.970	8.970	0.0	99	681930	85.9	
\$ 13 2,4,6-Tribromophenol	330	10.786	10.786	0.0	91	167036	180.8	
\$ 14 p-Terphenyl-d14	244	13.088	13.083	0.005	97	1102676	107.6	
46 2,4-Dichlorotoluene	1		0.000					
67 4-Chlorotoluene	91		0.000					
23 n,n'-Dimethylacetamide	1		0.000					
70 Phenylacetic Acid	1		0.000					
69 4,4'-Methylene bis(2-chloroanili	1		0.000					
53 1,3,5-Trichlorobenzene	180		0.000					
41 2-Chlorotoluene	91		0.000					
19 NVF-400	1		0.000					
57 5-Methyl-o-Anisidine	1		0.000					
21 2-Chlorobenzotrifluoride	1		0.000					
27 Pendimethalin	1		0.000					
63 5-Ethyl-5-phenyl barbituric acid	1		0.000					
44 2,4-Xylidine	1		0.000					
72 4-Chlorobenzotrifluoride	1		0.000					
223 2,3-Dichlorobenzeneamine	161		0.000					
60 Benzeneacetonitrile	1		0.000					
45 2-Aminopyridine	1		0.000					
36 2,3-Dichlorophenol	1		0.000					
52 2,6-Dichlorotoluene	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
22 N-Methylaniline	1		0.000					
61 CAG-800	1		0.000					
74 3-Chlorotoluene	1		0.000					
15 Lidocaine	1		0.000					
76 3-Chlorobenzotrifluoride	1		0.000					
79 2-Methylantracene	1		0.000					
66 4-Chlorophenol	1		0.000					
40 1-Methylcyclopentanol	1		0.000					
17 CN-500	1		0.000					
33 o-Anisidine	1		0.000					
39 Benzo[e]pyrene	1		0.000					
47 1,3-phenylenediamine	1		0.000					
18 CU-600	1		0.000					
43 2,4,5-Trichlorotoluene	1		0.000					
35 1,2,3,4 -Tetrachlorobenzene	216		0.000					
55 CBF-400/500	1		0.000					
58 Chlorobenzotrifluoride N.O.S	1		0.000					
71 Chlorotoluene N.O.S	1		0.000					
80 1,4-Dioxane	88		2.292					
81 N-Nitrosodimethylamine	42		2.559					
82 Pyridine	52		2.623					
31 Dimethylformamide	73		3.024					
83 2-Picoline	93		3.512					
84 N-Nitrosomethylethylamine	88		3.619					
85 Methyl methanesulfonate	80		4.014					
68 4-Chloropyridine	78		4.315					
75 3-Chloropyridine	78		4.416					
86 N-Nitrosodiethylamine	102		4.559					
87 Ethyl methanesulfonate	79		4.954					
48 2-Chloropyridine	78		4.961					
88 Benzaldehyde	77		5.310					
89 Phenol	94		5.460					
90 Aniline	93		5.465					
91 Bis(2-chloroethyl)ether	93		5.551					
93 2-Chlorophenol	128		5.620					
92 Pentachloroethane	167		5.633					
54 p-Fluoroaniline	111		5.762					
94 1,3-Dichlorobenzene	146		5.812					
95 1,4-Dichlorobenzene	146		5.914					
20 n-Decane	57		5.998					
96 Benzyl alcohol	108		6.090					
97 1,2-Dichlorobenzene	146		6.112					
98 2-Methylphenol	108		6.256					
99 2,2'-oxybis[1-chloropropane]	45		6.261					
104 Acetophenone	105		6.427					
101 N-Nitrosodi-n-propylamine	70		6.437					
102 4-Methylphenol	108		6.464					
100 N-Nitrosopyrrolidine	100		6.493					
103 N-Nitrosomorpholine	56		6.541					
106 Hexachloroethane	117		6.550					
73 4-Methylbenzenamine	106		6.611					
105 2-Toluidine	106		6.611					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
107 Nitrobenzene	77		6.651					
49 2,6-Dichloropyridine	112		6.783					
108 Pentachlorophenol_T	266		6.874					
109 N-Nitrosopiperidine	114		6.947					
110 Isophorone	82		6.972					
111 2-Nitrophenol	139		7.068					
51 2-Chloroaniline	127		7.145					
112 2,4-Dimethylphenol	107		7.159					
113 Tetraethyl lead	237		7.175					
115 Bis(2-chloroethoxy)methane	93		7.265					
116 o,o',o''-Triethylphosphorothioat	198		7.348					
117 2,4-Dichlorophenol	162		7.399					
119 Benzoic acid	105		7.410					
118 alpha,alpha-Dimethyl phenethylam	58		7.470					
120 1,2,4-Trichlorobenzene	180	7.484	7.490	-0.006	1	997	0.3168	
121 Naphthalene	128		7.586					
123 4-Chloroaniline	127		7.682					
122 Alpha-Terpineol	59		7.732					
126 Hexachlorobutadiene	225		7.752					
124 2,6-Dichlorophenol	162		7.796					
125 Hexachloropropene	213		7.834					
127 Caprolactam	113		8.131					
32 Quinoline	129		8.190					
128 p-Phenylene diamine	108		8.234					
129 N-Nitrosodi-n-butylamine	84		8.234					
130 Benzidine_T	184		8.300					
131 4-Chloro-3-methylphenol	107		8.339					
133 2-Methylnaphthalene	142		8.489					
132 Safrole, Total	162		8.501					
135 Phthalic anhydride	104		8.678					
136 Hexachlorocyclopentadiene	237		8.692					
138 1,2,4,5-Tetrachlorobenzene	216		8.708					
137 4,4'-DDD	235		8.749					
139 2,4,6-Trichlorophenol	196		8.873					
140 2,4,5-Trichlorophenol	196		8.932					
134 4,4'-DDE	246		9.005					
141 4,4'-DDT	235		9.005					
30 Dicyclohexylamine	138		9.034					
144 1,1'-Biphenyl	154	9.098	9.098	0.0	1	1521	0.1533	
143 2-Chloronaphthalene	162		9.114					
142 Isosafrole	162		9.169					
145 2-Nitroaniline	65		9.274					
42 1,4-Naphthoquinone	158		9.447					
146 1,4-Dinitrobenzene	168		9.493					
50 1,3-Dinitrobenzene	168		9.493					
147 Dimethyl phthalate	163		9.515					
148 2,6-Dinitrotoluene	165		9.589					
149 Acenaphthylene	152		9.648					
150 3-Nitroaniline	138		9.814					
151 Acenaphthene	153		9.872					
152 2,4-Dinitrophenol	184		9.947					
155 Dibenzofuran	168		10.086					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
153 4-Nitrophenol	109		10.086					
154 2,4-Dinitrotoluene	165		10.102					
156 Pentachlorobenzene	250		10.152					
158 2,3,4,6-Tetrachlorophenol	232		10.257					
157 1-Naphthylamine	143		10.280					
159 2-Naphthylamine	143		10.377					
160 Diethyl phthalate	149		10.391					
161 Fluorene	166		10.503					
162 4-Chlorophenyl phenyl ether	204		10.508					
169 Diphenylamine	169		10.533					
164 4-Nitroaniline	138		10.562					
163 Thionazin	97		10.574					
166 4,6-Dinitro-2-methylphenol	198		10.588					
165 N-Nitro-o-toluidine	152		10.617					
167 N-Nitrosodiphenylamine	169		10.652					
168 1,2-Diphenylhydrazine	77		10.690					
29 Tributyl phosphate	99		10.740					
170 Azobenzene	77		10.786					
171 Sulfotepp	322		10.943					
172 1,3,5-Trinitrobenzene	213		11.034					
176 4-Bromophenyl phenyl ether	248		11.064					
173 Diallate	43		11.076					
174 Phorate	75		11.082					
175 Phenacetin	108		11.103					
177 Hexachlorobenzene	284		11.123					
180 Atrazine	200		11.262					
178 Dimethoate	87		11.263					
16 n-Octadecane	57		11.265					
181 Pentachlorophenol	266		11.352					
179 Simazine	201		11.355					
182 4-Aminobiphenyl	169		11.434					
183 Pentachloronitrobenzene	237		11.461					
184 Pronamide	173		11.515					
185 Phenanthrene	178		11.566					
188 Anthracene	178		11.619					
187 Disulfoton	88		11.637					
186 Dinoseb	211		11.643					
189 Carbazole	167		11.796					
190 Methyl parathion	109		12.017					
191 Alachlor	160		12.027					
192 Di-n-butyl phthalate	149		12.138					
193 Ethyl Parathion	97		12.396					
194 4-Nitroquinoline-1-oxide	190		12.423					
62 Anthraquinone	180		12.471					
195 Methapyrilene	58		12.535					
196 Isodrin	193		12.690					
197 Fluoranthene	202		12.736					
198 Benzidine	184		12.869					
37 1-Hydroxyanthraquinone	224		12.872					
199 Pyrene	202		12.950					
200 Aramite, Total	185		13.213					
201 p-Dimethylamino azobenzene	120		13.293					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
34 1,4-Dihydroxyanthraquinone	240		13.299					
202 Chlorobenzilate	139		13.336					
205 Butyl benzyl phthalate	149		13.516					
203 3,3'-Dimethylbenzidine	212		13.521					
204 Famphur	218		13.555					
64 9-Octadecenamide	72		13.614					
206 Kepone	272		13.651					
207 2-Acetylaminofluorene	181		13.822					
208 3,3'-Dichlorobenzidine	252		13.991					
210 Bis(2-ethylhexyl) phthalate	149		14.002					
209 Benzo[a]anthracene	228		14.018					
211 Chrysene	228		14.055					
59 Tricresyl phosphate	91		14.456					
212 Di-n-octyl phthalate	149		14.552					
213 Benzo[b]fluoranthene	252		14.985					
214 Benzo[k]fluoranthene	252	15.017	15.012	0.005	1	1862	0.2151	
215 7,12-Dimethylbenz(a)anthracene	256		15.062					
216 Hexachlorophene	196		15.227					
217 Benzo[a]pyrene	252		15.311					
218 3-Methylcholanthrene	252		15.756					
219 Indeno[1,2,3-cd]pyrene	276		16.561					
220 Dibenz(a,h)anthracene	278		16.566					
221 Benzo[g,h,i]perylene	276		16.903					
56 Benzeneacetic acid (TIC)	302		18.050					
24 Dibenzo[a,e]pyrene	302		19.327					
S 222 Total Cresols	1		0.000					
S 78 3-Methylphenol	1		6.497					
S 77 3 & 4 Methylphenol	108		6.497					
T 65 Benefin (TIC)	1		0.000					1
T 25 Prometryn (TIC)	1		0.000					1
T 28 Pendimethalin (TIC)	252		0.000					1
T 26 trans Azobenzene (TIC)	1		0.000					1
T 38 1-Methylnaphthalene (TIC)	142		0.000					1

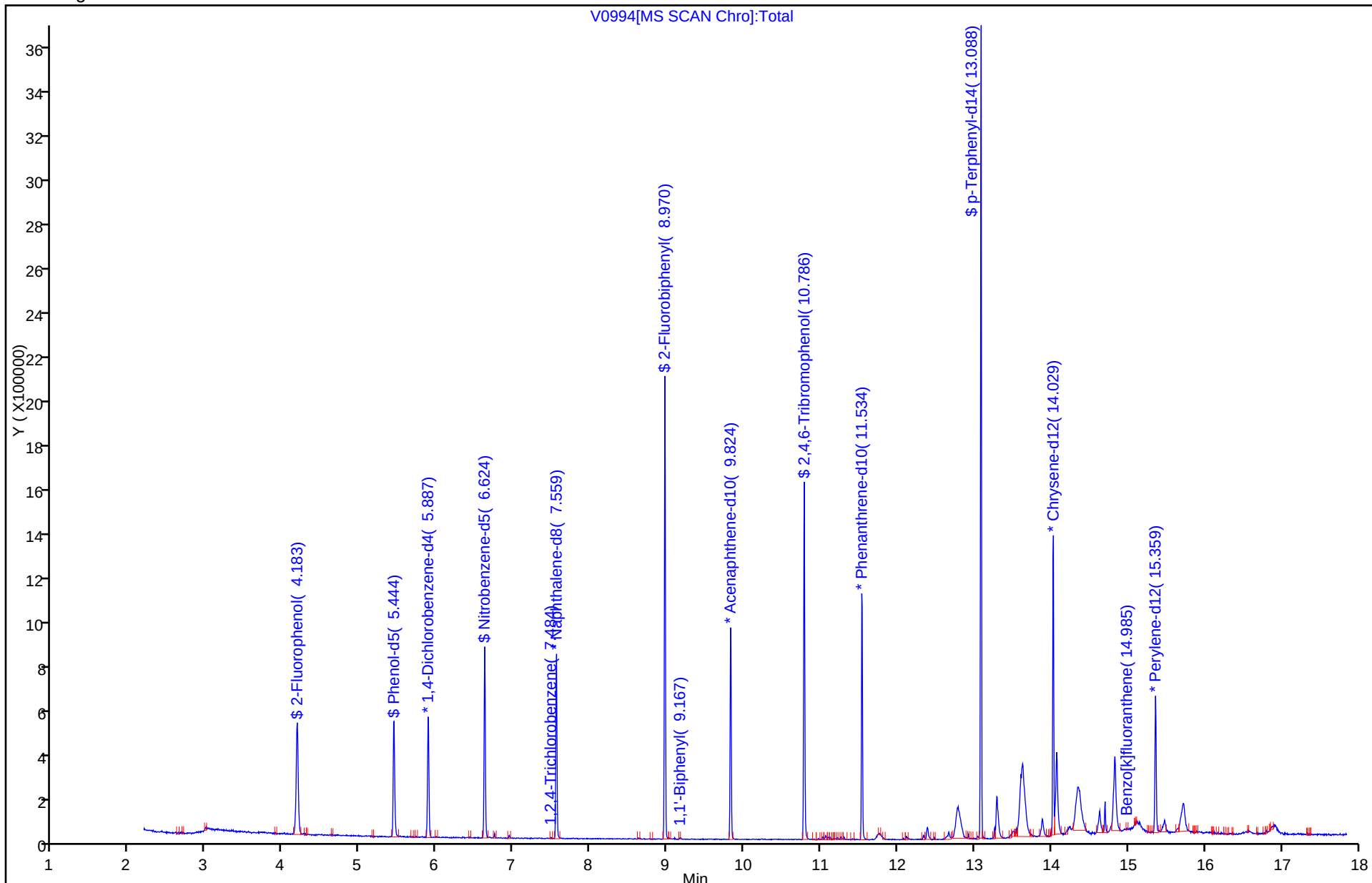
QC Flag Legend

Processing Flags

1 - Missing Peaks

Report Date: 25-May-2012 13:12:45
Data File: \\Bufchrom\ChromData\HP5973V\20120524-12193.b\V0994.D
Injection Date: 24-May-2012 23:14:30
Client ID:
Lims Batch ID: 65945
Operator ID: HL
Column Type: RXI-5Sil MS
Y Scaling:

Chrom Revision: 2.0 20-Feb-2012 13:27:02
Limit Group: MB - 8270C ICAL
Instrument ID: HP5973V
Lims Sample ID: 4
Injection Vol: 1.00 ul
Column Dia: 0.25 mm



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-65066/2-A
 Matrix: Water Lab File ID: V0995.D
 Analysis Method: 8270C Date Collected: _____
 Extract. Method: 3510C Date Extracted: 05/18/2012 13:56
 Sample wt/vol: 1000 (mL) Date Analyzed: 05/24/2012 23:38
 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.: 65945 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	103		5.0	0.41
208-96-8	Acenaphthylene	106		5.0	0.38
120-12-7	Anthracene	118		5.0	0.28
56-55-3	Benz (a) anthracene	120		5.0	0.36
50-32-8	Benzo (a) pyrene	128		5.0	0.47
205-99-2	Benzo (b) fluoranthene	153		5.0	0.34
191-24-2	Benzo (g, h, i) perylene	93.0		5.0	0.35
207-08-9	Benzo (k) fluoranthene	133		5.0	0.73
218-01-9	Chrysene	112		5.0	0.33
53-70-3	Dibenz (a, h) anthracene	93.9		5.0	0.42
206-44-0	Fluoranthene	125		5.0	0.40
86-73-7	Fluorene	114		5.0	0.36
193-39-5	Indeno (1, 2, 3-c, d) pyrene	94.6		5.0	0.47
91-20-3	Naphthalene	89.6		5.0	0.76
85-01-8	Phenanthrene	116		5.0	0.44
129-00-0	Pyrene	102		5.0	0.34
91-57-6	2-Methylnaphthalene	95.1		5.0	0.60

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	109		46-120
321-60-8	2-Fluorobiphenyl	107		48-120
1718-51-0	p-Terphenyl-d14	117		67-150

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20120524-12193.b\V0995.D
 Lims ID: LCS 480-65066/2-A Client ID:
 Inject. Date: 24-May-2012 23:38:30 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: 480-0012193-005
 Misc. Info.: LCS 480-65066/2-A
 Operator: HL Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 42
 Lims Batch ID: 65945 Lims Sample ID: 5
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20120524-12193.b\V-8270.m
 Last Update: 25-May-2012 16:14:15 Calib Date: 18-May-2012 18:10:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0750.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: lyh

Date: 29-May-2012 10:53:29

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.887	5.887	0.0	93	97721	40.0	
* 2 Naphthalene-d8	136	7.559	7.559	0.0	99	379541	40.0	
* 3 Acenaphthene-d10	164	9.835	9.824	0.011	89	270772	40.0	
* 4 Phenanthrene-d10	188	11.545	11.534	0.011	97	443657	40.0	
* 5 Chrysene-d12	240	14.040	14.023	0.017	86	521359	40.0	
* 6 Perylene-d12	264	15.364	15.359	0.005	94	329730	40.0	
\$ 9 2-Fluorophenol	112	4.183	4.183	0.0	94	285375	95.0	
\$ 10 Phenol-d5	99	5.444	5.444	0.0	93	292345	71.4	
\$ 11 Nitrobenzene-d5	82	6.630	6.624	0.006	92	395920	109.3	
\$ 12 2-Fluorobiphenyl	172	8.975	8.970	0.005	99	837426	106.7	
\$ 13 2,4,6-Tribromophenol	330	10.791	10.786	0.005	90	197944	209.1	
\$ 14 p-Terphenyl-d14	244	13.089	13.083	0.006	98	1252233	117.2	
80 1,4-Dioxane	88	2.276	2.292	-0.016	94	70469	52.4	
81 N-Nitrosodimethylamine	42	2.548	2.559	-0.011	83	130295	58.8	
82 Pyridine	52	2.607	2.623	-0.016	81	161512	50.4	
88 Benzaldehyde	77	5.316	5.310	0.006	91	241214	101.2	
89 Phenol	94	5.465	5.460	0.005	75	240903	51.5	
90 Aniline	93	5.465	5.465	0.0	78	429467	82.6	
91 Bis(2-chloroethyl)ether	93	5.551	5.551	0.0	94	316023	94.1	
93 2-Chlorophenol	128	5.620	5.620	0.0	96	312288	94.7	
94 1,3-Dichlorobenzene	146	5.813	5.812	0.001	96	265183	70.8	
95 1,4-Dichlorobenzene	146	5.909	5.914	-0.005	91	281162	74.1	
96 Benzyl alcohol	108	6.096	6.090	0.006	84	220762	106.1	
97 1,2-Dichlorobenzene	146	6.106	6.112	-0.006	91	269358	75.3	
98 2-Methylphenol	108	6.261	6.256	0.005	91	312872	100.9	
99 2,2'-oxybis[1-chloropropane]	45	6.261	6.261	0.0	89	589354	88.1	
104 Acetophenone	105	6.432	6.427	0.005	88	499174	114.6	
101 N-Nitrosodi-n-propylamine	70	6.443	6.437	0.006	94	290219	116.5	
102 4-Methylphenol	108	6.475	6.464	0.011	86	628751	195.0	E
106 Hexachloroethane	117	6.550	6.550	0.0	94	104859	74.6	
107 Nitrobenzene	77	6.657	6.651	0.006	92	428853	106.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
110 Isophorone	82	6.977	6.972	0.005	96	786395	114.8	
111 2-Nitrophenol	139	7.068	7.068	0.0	94	195674	106.7	
112 2,4-Dimethylphenol	107	7.159	7.159	0.0	98	407732	115.5	
113 Tetraethyl lead	237	7.175	7.175	0.0	89	39762	35.6	
115 Bis(2-chloroethoxy)methane	93	7.271	7.265	0.006	97	408485	106.5	
117 2,4-Dichlorophenol	162	7.399	7.399	0.0	96	344251	121.0	
119 Benzoic acid	105	7.335	7.410	-0.075	83	89147	66.9	
120 1,2,4-Trichlorobenzene	180	7.490	7.490	0.0	94	274991	90.6	
121 Naphthalene	128	7.586	7.586	0.0	98	864564	89.6	
123 4-Chloroaniline	127	7.682	7.682	0.0	80	407922	104.9	
126 Hexachlorobutadiene	225	7.752	7.752	0.0	96	147438	86.8	
127 Caprolactam	113	8.206	8.131	0.075	66	39939	48.2	
131 4-Chloro-3-methylphenol	107	8.350	8.339	0.011	93	380473	132.0	
133 2-Methylnaphthalene	142	8.494	8.489	0.005	87	636334	95.1	
136 Hexachlorocyclopentadiene	237	8.692	8.692	0.0	97	176296	87.4	
139 2,4,6-Trichlorophenol	196	8.874	8.873	0.001	93	278961	129.9	
140 2,4,5-Trichlorophenol	196	8.932	8.932	0.0	93	302367	138.2	
144 1,1'-Biphenyl	154	9.098	9.098	0.0	95	857207	87.4	
143 2-Chloronaphthalene	162	9.119	9.114	0.005	97	695677	99.7	
145 2-Nitroaniline	65	9.280	9.274	0.006	76	282878	121.5	
146 1,4-Dinitrobenzene	168		9.493					
50 1,3-Dinitrobenzene	168		9.493					
147 Dimethyl phthalate	163	9.531	9.515	0.016	98	952658	119.6	
148 2,6-Dinitrotoluene	165	9.600	9.589	0.011	84	229093	126.8	
149 Acenaphthylene	152	9.654	9.648	0.006	90	1135930	106.2	
150 3-Nitroaniline	138	9.830	9.814	0.016	90	214654	109.5	
151 Acenaphthene	153	9.878	9.872	0.006	92	678813	103.3	
152 2,4-Dinitrophenol	184	9.958	9.947	0.011	81	132681	131.5	
155 Dibenzofuran	168	10.092	10.086	0.006	87	1100603	111.6	
153 4-Nitrophenol	109	10.097	10.086	0.011	44	100932	83.4	
154 2,4-Dinitrotoluene	165	10.113	10.102	0.011	10	310170	124.7	
158 2,3,4,6-Tetrachlorophenol	232	10.263	10.257	0.006	74	233646	116.2	
160 Diethyl phthalate	149	10.402	10.391	0.011	97	912146	119.6	
161 Fluorene	166	10.508	10.503	0.005	85	949752	113.8	
162 4-Chlorophenyl phenyl ether	204	10.514	10.508	0.006	92	498558	124.1	
164 4-Nitroaniline	138	10.583	10.562	0.021	75	240434	122.3	
166 4,6-Dinitro-2-methylphenol	198	10.599	10.588	0.011	74	224855	142.9	
167 N-Nitrosodiphenylamine	169	10.663	10.652	0.011	59	739479	131.5	
168 1,2-Diphenylhydrazine	77	10.695	10.690	0.005	98	1042860	114.5	
176 4-Bromophenyl phenyl ether	248	11.069	11.064	0.005	65	275615	127.7	
177 Hexachlorobenzene	284	11.128	11.123	0.005	91	260332	123.2	
180 Atrazine	200	11.278	11.262	0.016	93	301213	133.0	
181 Pentachlorophenol	266	11.358	11.352	0.006	87	202417	141.3	
185 Phenanthrene	178	11.571	11.566	0.005	96	1399127	116.0	
188 Anthracene	178	11.625	11.619	0.006	96	1452697	118.4	
189 Carbazole	167	11.807	11.796	0.011	82	1430447	125.6	
192 Di-n-butyl phthalate	149	12.143	12.138	0.005	100	1591320	121.2	
197 Fluoranthene	202	12.741	12.736	0.005	96	1676535	125.4	
198 Benzidine	184	12.875	12.869	0.006	97	503568	72.9	
199 Pyrene	202	12.955	12.950	0.005	98	1707643	101.9	
205 Butyl benzyl phthalate	149	13.521	13.516	0.005	98	843278	114.3	
208 3,3'-Dichlorobenzidine	252	13.997	13.991	0.006	64	427765	82.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
210 Bis(2-ethylhexyl) phthalate	149	14.002	14.002	0.0	96	1106410	111.7	
209 Benzo[a]anthracene	228	14.024	14.018	0.006	97	1786656	119.5	
211 Chrysene	228	14.061	14.055	0.006	95	1638489	111.7	
212 Di-n-octyl phthalate	149	14.552	14.552	0.0	100	2009085	119.4	
213 Benzo[b]fluoranthene	252	14.996	14.985	0.011	91	1362405	153.1	
214 Benzo[k]fluoranthene	252	15.017	15.012	0.005	97	1289397	132.9	
217 Benzo[a]pyrene	252	15.316	15.311	0.005	71	993857	127.5	
219 Indeno[1,2,3-cd]pyrene	276	16.572	16.561	0.011	94	685962	94.6	
220 Dibenz(a,h)anthracene	278	16.577	16.566	0.011	73	580155	93.9	
221 Benzo[g,h,i]perylene	276	16.919	16.903	0.016	91	541946	93.0	
S 78 3-Methylphenol	1				0		195.0	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Chrom Revision: 2.0 20-Feb-2012 13:27:02

120524-12193.b\V0995.D

Limit Group: MB - 8270C ICAL

Instrument ID: HP5973V

Lims Sample ID: 5

Injection Vol: 1.00 ul

Column Dia: 0.25 mm



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 480-65066/3-A
 Matrix: Water Lab File ID: V0996.D
 Analysis Method: 8270C Date Collected: _____
 Extract. Method: 3510C Date Extracted: 05/18/2012 13:56
 Sample wt/vol: 1000 (mL) Date Analyzed: 05/25/2012 00:02
 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.: 65945 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	109		5.0	0.41
208-96-8	Acenaphthylene	113		5.0	0.38
120-12-7	Anthracene	120		5.0	0.28
56-55-3	Benz (a) anthracene	121		5.0	0.36
50-32-8	Benzo (a) pyrene	136		5.0	0.47
205-99-2	Benzo (b) fluoranthene	148		5.0	0.34
191-24-2	Benzo (g, h, i) perylene	95.4		5.0	0.35
207-08-9	Benzo (k) fluoranthene	151		5.0	0.73
218-01-9	Chrysene	118		5.0	0.33
53-70-3	Dibenz (a, h) anthracene	97.8		5.0	0.42
206-44-0	Fluoranthene	127		5.0	0.40
86-73-7	Fluorene	118		5.0	0.36
193-39-5	Indeno (1, 2, 3-c, d) pyrene	98.7		5.0	0.47
91-20-3	Naphthalene	96.8		5.0	0.76
85-01-8	Phenanthrene	118		5.0	0.44
129-00-0	Pyrene	105		5.0	0.34
91-57-6	2-Methylnaphthalene	101		5.0	0.60

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	114		46-120
321-60-8	2-Fluorobiphenyl	111		48-120
1718-51-0	p-Terphenyl-d14	123		67-150

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20120524-12193.b\V0996.D
 Lims ID: LCSD 480-65066/3-A Client ID:
 Inject. Date: 25-May-2012 00:02:30 Dil. Factor: 1.0000
 Sample Type: LCSD
 Sample ID: 480-0012193-006
 Misc. Info.: LCSD 480-65066/3-A
 Operator: HL Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 43
 Lims Batch ID: 65945 Lims Sample ID: 6
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20120524-12193.b\V-8270.m
 Last Update: 29-May-2012 10:54:58 Calib Date: 18-May-2012 18:10:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20120518-12017.b\V0750.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: lyh

Date: 29-May-2012 10:54:58

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.892	5.887	0.005	96	87268	40.0	
* 2 Naphthalene-d8	136	7.559	7.559	0.0	99	349161	40.0	
* 3 Acenaphthene-d10	164	9.830	9.824	0.006	88	243024	40.0	
* 4 Phenanthrene-d10	188	11.539	11.534	0.005	96	397977	40.0	
* 5 Chrysene-d12	240	14.034	14.023	0.011	92	462052	40.0	
* 6 Perylene-d12	264	15.364	15.359	0.005	98	275144	40.0	
\$ 9 2-Fluorophenol	112	4.183	4.183	0.0	93	263936	98.4	
\$ 10 Phenol-d5	99	5.444	5.444	0.0	93	260267	71.2	
\$ 11 Nitrobenzene-d5	82	6.630	6.624	0.006	92	380928	114.3	
\$ 12 2-Fluorobiphenyl	172	8.975	8.970	0.005	99	779254	110.7	
\$ 13 2,4,6-Tribromophenol	330	10.791	10.786	0.005	90	184550	217.2	
\$ 14 p-Terphenyl-d14	244	13.088	13.083	0.005	97	1167675	123.4	
80 1,4-Dioxane	88	2.286	2.292	-0.006	92	64501	53.7	
81 N-Nitrosodimethylamine	42	2.559	2.559	0.0	78	132689	67.0	
82 Pyridine	52	2.618	2.623	-0.005	85	170308	59.5	
88 Benzaldehyde	77	5.316	5.310	0.006	87	224521	105.5	
89 Phenol	94	5.465	5.460	0.005	72	220511	52.7	
90 Aniline	93	5.465	5.465	0.0	80	412913	89.0	
91 Bis(2-chloroethyl)ether	93	5.551	5.551	0.0	93	290074	96.7	
93 2-Chlorophenol	128	5.625	5.620	0.005	96	287249	97.6	
94 1,3-Dichlorobenzene	146	5.812	5.812	0.0	95	278248	83.1	
95 1,4-Dichlorobenzene	146	5.914	5.914	0.0	90	280237	82.7	
96 Benzyl alcohol	108	6.096	6.090	0.006	87	211192	113.7	
97 1,2-Dichlorobenzene	146	6.112	6.112	0.0	94	280872	88.0	
98 2-Methylphenol	108	6.261	6.256	0.005	91	282819	102.1	
99 2,2'-oxybis[1-chloropropane]	45	6.266	6.261	0.005	88	550616	92.2	
104 Acetophenone	105	6.432	6.427	0.005	87	460835	118.4	
101 N-Nitrosodi-n-propylamine	70	6.443	6.437	0.006	95	264509	118.9	
102 4-Methylphenol	108	6.475	6.464	0.011	85	580610	201.6	E
106 Hexachloroethane	117	6.550	6.550	0.0	93	111981	89.2	
107 Nitrobenzene	77	6.656	6.651	0.005	92	400152	107.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
110 Isophorone	82	6.972	6.972	0.0	96	728203	115.6	
111 2-Nitrophenol	139	7.073	7.068	0.005	95	178433	105.8	
112 2,4-Dimethylphenol	107	7.159	7.159	0.0	98	378835	116.6	
113 Tetraethyl lead	237	7.175	7.175	0.0	89	43673	42.5	
115 Bis(2-chloroethoxy)methane	93	7.271	7.265	0.006	98	384473	108.9	
117 2,4-Dichlorophenol	162	7.399	7.399	0.0	96	317669	121.4	
119 Benzoic acid	105	7.330	7.410	-0.080	83	72443	63.5	
120 1,2,4-Trichlorobenzene	180	7.490	7.490	0.0	93	280570	100.5	
121 Naphthalene	128	7.586	7.586	0.0	98	859103	96.8	
123 4-Chloroaniline	127	7.682	7.682	0.0	82	388479	108.6	
126 Hexachlorobutadiene	225	7.752	7.752	0.0	95	162453	103.9	
127 Caprolactam	113	8.195	8.131	0.064	62	34953	46.1	
131 4-Chloro-3-methylphenol	107	8.345	8.339	0.006	91	358353	135.1	
133 2-Methylnaphthalene	142	8.494	8.489	0.005	89	624485	101.4	
136 Hexachlorocyclopentadiene	237	8.692	8.692	0.0	97	188504	103.6	
139 2,4,6-Trichlorophenol	196	8.873	8.873	0.0	95	260209	135.0	
140 2,4,5-Trichlorophenol	196	8.932	8.932	0.0	92	277757	141.5	
144 1,1'-Biphenyl	154	9.098	9.098	0.0	95	815707	92.7	
143 2-Chloronaphthalene	162	9.119	9.114	0.005	94	687098	109.8	
145 2-Nitroaniline	65	9.279	9.274	0.005	77	257401	123.1	
146 1,4-Dinitrobenzene	168	9.466	9.493	-0.027	92	137842	0	
50 1,3-Dinitrobenzene	168	9.466	9.493	-0.027	82	137842	0	
147 Dimethyl phthalate	163	9.531	9.515	0.016	98	877007	122.6	
148 2,6-Dinitrotoluene	165	9.600	9.589	0.011	75	209133	129.0	
149 Acenaphthylene	152	9.648	9.648	0.0	92	1081762	112.7	
150 3-Nitroaniline	138	9.824	9.814	0.010	88	198427	112.6	
151 Acenaphthene	153	9.872	9.872	0.0	92	639764	108.5	
152 2,4-Dinitrophenol	184	9.958	9.947	0.011	83	111511	125.5	
155 Dibenzofuran	168	10.091	10.086	0.005	86	1035489	117.0	
153 4-Nitrophenol	109	10.091	10.086	0.005	44	90697	83.5	
154 2,4-Dinitrotoluene	165	10.113	10.102	0.011	14	286710	128.4	
158 2,3,4,6-Tetrachlorophenol	232	10.262	10.257	0.005	74	206479	114.5	
160 Diethyl phthalate	149	10.401	10.391	0.010	96	836714	122.2	
161 Fluorene	166	10.503	10.503	0.0	84	880105	117.5	
162 4-Chlorophenyl phenyl ether	204	10.508	10.508	0.0	94	450392	124.9	
164 4-Nitroaniline	138	10.578	10.562	0.016	75	223609	126.6	
166 4,6-Dinitro-2-methylphenol	198	10.599	10.588	0.011	58	193934	137.6	
167 N-Nitrosodiphenylamine	169	10.658	10.652	0.006	57	688148	136.4	
168 1,2-Diphenylhydrazine	77	10.695	10.690	0.005	99	966858	118.2	
176 4-Bromophenyl phenyl ether	248	11.064	11.064	0.0	66	252846	130.6	
177 Hexachlorobenzene	284	11.128	11.123	0.005	91	241424	127.3	
180 Atrazine	200	11.272	11.262	0.010	91	276521	136.0	
181 Pentachlorophenol	266	11.358	11.352	0.006	86	182601	142.1	
185 Phenanthrene	178	11.566	11.566	0.0	96	1272304	117.6	
188 Anthracene	178	11.619	11.619	0.0	97	1323548	120.3	
189 Carbazole	167	11.801	11.796	0.005	82	1331753	130.4	
192 Di-n-butyl phthalate	149	12.143	12.138	0.005	100	1476854	125.4	
197 Fluoranthene	202	12.741	12.736	0.005	96	1528266	127.4	
198 Benzidine	184	12.875	12.869	0.006	98	549155	89.7	
199 Pyrene	202	12.955	12.950	0.005	98	1564108	105.4	
205 Butyl benzyl phthalate	149	13.521	13.516	0.005	98	775837	118.7	
208 3,3'-Dichlorobenzidine	252	13.997	13.991	0.006	58	396085	85.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
210 Bis(2-ethylhexyl) phthalate	149	14.002	14.002	0.0	96	1039265	118.4	
209 Benzo[a]anthracene	228	14.023	14.018	0.005	96	1605460	121.2	
211 Chrysene	228	14.061	14.055	0.006	93	1538830	118.4	
212 Di-n-octyl phthalate	149	14.552	14.552	0.0	100	1821953	122.2	
213 Benzo[b]fluoranthene	252	14.990	14.985	0.005	92	1102114	148.4	
214 Benzo[k]fluoranthene	252	15.017	15.012	0.005	97	1223257	151.1	
217 Benzo[a]pyrene	252	15.316	15.311	0.005	69	881612	135.5	
219 Indeno[1,2,3-cd]pyrene	276	16.566	16.561	0.005	94	597178	98.7	
220 Dibenz(a,h)anthracene	278	16.572	16.566	0.006	70	503747	97.8	
221 Benzo[g,h,i]perylene	276	16.914	16.903	0.011	91	463960	95.4	
S 78 3-Methylphenol	1				0		201.6	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120524-12193.b\V0996.D

Injection Date: 25-May-2012 00:02:30

Limit Group: MB - 8270C ICAL

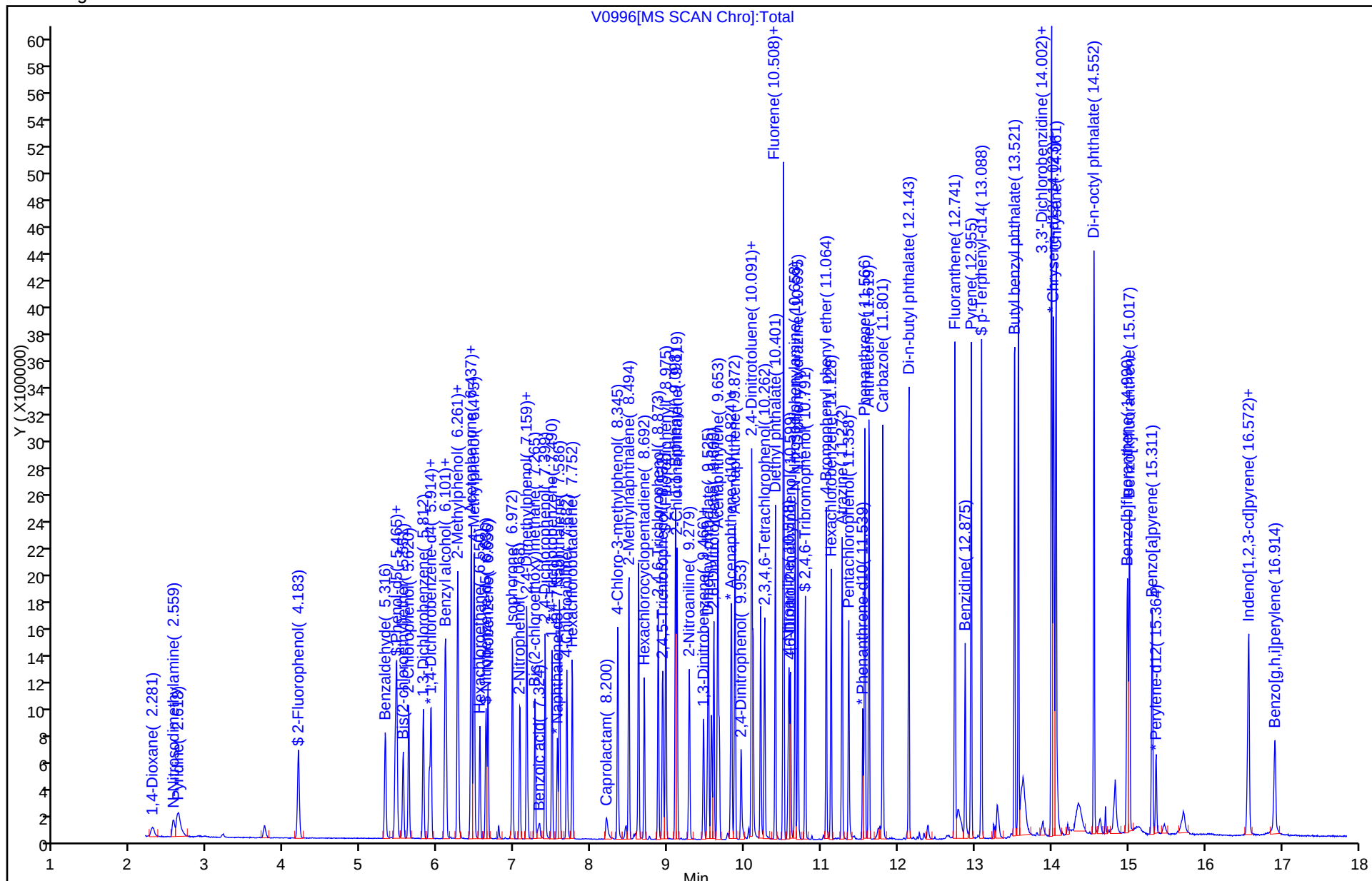
Client ID: Instrument ID: HP5973V

Lims Batch ID: 65945 Lims Sample ID: 6

Operator ID:	HL	Injection Vol:	1.00 µl

Column Type: RXI-5Sil MS Column Dia: 0.25 mm

Y Scaling:



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1

SDG No.: _____

Instrument ID: HP5973V Start Date: 05/18/2012 15:54Analysis Batch Number: 65015 End Date: 05/18/2012 18:58

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-65015/1		05/18/2012 15:54	1	V0744.D	RXI-5Sil MS 0.25 (mm)
IC 480-65015/2		05/18/2012 16:10	1	V0745.D	RXI-5Sil MS 0.25 (mm)
IC 480-65015/3		05/18/2012 16:34	1	V0746.D	RXI-5Sil MS 0.25 (mm)
ICIS 480-65015/4		05/18/2012 16:58	1	V0747.D	RXI-5Sil MS 0.25 (mm)
IC 480-65015/5		05/18/2012 17:22	1	V0748.D	RXI-5Sil MS 0.25 (mm)
IC 480-65015/6		05/18/2012 17:46	1	V0749.D	RXI-5Sil MS 0.25 (mm)
IC 480-65015/7		05/18/2012 18:10	1	V0750.D	RXI-5Sil MS 0.25 (mm)
ICV 480-65015/8		05/18/2012 18:34	1		RXI-5Sil MS 0.25 (mm)
ICVL 480-65015/9		05/18/2012 18:58	1		RXI-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-20186-1

SDG No.: _____

Instrument ID: HP5973VStart Date: 05/24/2012 22:08Analysis Batch Number: 65945End Date: 05/25/2012 07:39

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-65945/1		05/24/2012 22:08	1	V0991.D	RXI-5Sil MS 0.25 (mm)
CCVIS 480-65945/2		05/24/2012 22:25	1	V0992.D	RXI-5Sil MS 0.25 (mm)
CCV 480-65945/3		05/24/2012 22:49	1		RXI-5Sil MS 0.25 (mm)
MB 480-65066/1-A		05/24/2012 23:14	1	V0994.D	RXI-5Sil MS 0.25 (mm)
LCS 480-65066/2-A		05/24/2012 23:38	1	V0995.D	RXI-5Sil MS 0.25 (mm)
LCSD 480-65066/3-A		05/25/2012 00:02	1	V0996.D	RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/25/2012 00:26	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/25/2012 00:50	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/25/2012 01:14	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/25/2012 01:38	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/25/2012 02:02	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/25/2012 02:26	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/25/2012 02:50	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/25/2012 03:15	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/25/2012 03:39	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/25/2012 04:03	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/25/2012 04:27	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/25/2012 04:51	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/25/2012 05:15	1		RXI-5Sil MS 0.25 (mm)
480-20186-1	MW8DR	05/25/2012 05:39	1	V1010.D	RXI-5Sil MS 0.25 (mm)
480-20186-2	DW1R	05/25/2012 06:03	1	V1011.D	RXI-5Sil MS 0.25 (mm)
480-20186-3	MW3DR	05/25/2012 06:27	1	V1012.D	RXI-5Sil MS 0.25 (mm)
480-20186-4	MW3DR DUP	05/25/2012 06:51	1	V1013.D	RXI-5Sil MS 0.25 (mm)
480-20186-5	EB1	05/25/2012 07:15	1	V1014.D	RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/25/2012 07:39	1		RXI-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1

SDG No.: _____

Instrument ID: HP5973V Start Date: 05/25/2012 11:40Analysis Batch Number: 66043 End Date: 05/25/2012 22:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-66043/1		05/25/2012 11:40	1	V1027.D	RXI-5Sil MS 0.25 (mm)
CCVIS 480-66043/2		05/25/2012 12:14	1	V1028.D	RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/25/2012 13:52	1		RXI-5Sil MS 0.25 (mm)
		05/25/2012 14:17	10		RXI-5Sil MS 0.25 (mm)
		05/25/2012 14:41	10		RXI-5Sil MS 0.25 (mm)
480-20186-1 DL	MW8DR DL	05/25/2012 15:05	100	V1035.D	RXI-5Sil MS 0.25 (mm)
480-20186-2 DL	DW1R DL	05/25/2012 15:30	50	V1036.D	RXI-5Sil MS 0.25 (mm)
480-20186-3 DL	MW3DR DL	05/25/2012 15:54	10	V1037.D	RXI-5Sil MS 0.25 (mm)
480-20186-4 DL	MW3DR DUP DL	05/25/2012 16:18	10	V1038.D	RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/25/2012 17:06	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/25/2012 17:31	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/25/2012 17:55	5		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/25/2012 18:19	5		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/25/2012 18:43	5		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/25/2012 19:56	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/25/2012 20:20	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/25/2012 20:44	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/25/2012 21:08	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/25/2012 21:32	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/25/2012 21:57	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/25/2012 22:21	10		RXI-5Sil MS 0.25 (mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1

SDG No.: _____

Batch Number: 65066 Batch Start Date: 05/18/12 13:56 Batch Analyst: Evers, DavidBatch Method: 3510C Batch End Date: 05/18/12 20:06

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FinalAmount	FirstAdjustpH	SecondAdjustpH	O_8270625surr 00004
MB 480-65066/1		3510C, 8270C		5	1000 mL	1 mL	<2	>11	1 mL
LCS 480-65066/2		3510C, 8270C		5	1000 mL	1 mL	<2	>11	1 mL
LCSD 480-65066/3		3510C, 8270C		5	1000 mL	1 mL	<2	>11	1 mL
480-20186-A-1	MW8DR	3510C, 8270C	T	6	1060 mL	1 mL	<2	>11	1 mL
480-20186-A-2	DW1R	3510C, 8270C	T	6	1060 mL	1 mL	<2	>11	1 mL
480-20186-A-3	MW3DR	3510C, 8270C	T	6	1000 mL	1 mL	<2	>11	1 mL
480-20186-B-4	MW3DR DUP	3510C, 8270C	T	6	1060 mL	1 mL	<2	>11	1 mL
480-20186-A-5	EB1	3510C, 8270C	T	6	1000 mL	1 mL	<2	>11	1 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	O_8270full#1 00021	O_8270full#2 00020				
MB 480-65066/1		3510C, 8270C							
LCS 480-65066/2		3510C, 8270C		1 mL	1 mL				
LCSD 480-65066/3		3510C, 8270C		1 mL	1 mL				
480-20186-A-1	MW8DR	3510C, 8270C	T						
480-20186-A-2	DW1R	3510C, 8270C	T						
480-20186-A-3	MW3DR	3510C, 8270C	T						
480-20186-B-4	MW3DR DUP	3510C, 8270C	T						
480-20186-A-5	EB1	3510C, 8270C	T						

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1

SDG No.: _____

Batch Number: 65066 Batch Start Date: 05/18/12 13:56 Batch Analyst: Evers, DavidBatch Method: 3510C Batch End Date: 05/18/12 20:06

Batch Notes	
Acid used for pH adjustment	1:1 Sulfuric
Acid used for pH adjust Lot #	2032711
Base used for pH adjustment	Sodium Hydroxide
Base used for pH adjust Lot #	HC132325
Person's name who did the concentration	KEB
Final Concentrator Volume	1 mL
Na2SO4 Lot Number	27862004
Prep Solvent Lot #	K25E06
Prep Solvent Name	MeCl2
Prep Solvent Volume Used	360 mL
Person's name who did the prep	DLE KEB
Person's name who witnessed reagent drop	DLE
Sufficient volume for MS/MSD?	No

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-20186-1

SDG No.: _____

Project: RG&E East Station Former MPG Site-RI

Client Sample ID	Lab Sample ID
MW8DR	480-20186-1
DW1R	480-20186-2
MW3DR	480-20186-3
MW3DR DUP	480-20186-4
EB1	480-20186-5

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID:	MW8DR	Lab Sample ID:	480-20186-1
Lab Name:	TestAmerica Buffalo	Job No.:	480-20186-1
SDG ID.:			
Matrix:	Water	Date Sampled:	05/15/2012 15:10
Reporting Basis:	WET	Date Received:	05/17/2012 09:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.052	0.010	0.0050	mg/L			1	9012A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: DW1R	Lab Sample ID: 480-20186-2
Lab Name: TestAmerica Buffalo	Job No.: 480-20186-1
SDG ID.:	
Matrix: Water	Date Sampled: 05/15/2012 11:30
Reporting Basis: WET	Date Received: 05/17/2012 09:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.86	0.040	0.020	mg/L			4	9012A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID:	MW3DR	Lab Sample ID:	480-20186-3
Lab Name:	TestAmerica Buffalo	Job No.:	480-20186-1
SDG ID.:			
Matrix:	Water	Date Sampled:	05/15/2012 11:05
Reporting Basis:	WET	Date Received:	05/17/2012 09:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	1.1	0.080	0.040	mg/L			8	9012A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW3DR DUP

Lab Sample ID: 480-20186-4

Lab Name: TestAmerica Buffalo

Job No.: 480-20186-1

SDG ID.:

Matrix: Water

Date Sampled: 05/15/2012 11:05

Reporting Basis: WET

Date Received: 05/17/2012 09:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	1.3	0.080	0.040	mg/L			8	9012A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: EB1 Lab Sample ID: 480-20186-5
Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
SDG ID.: _____
Matrix: Water Date Sampled: 05/15/2012 15:00
Reporting Basis: WET Date Received: 05/17/2012 09:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	ND	0.010	0.0050	mg/L			1	9012A

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1
SDG No.: _____
Analyst: NH Batch Start Date: 05/29/2012
Reporting Units: mg/L Analytical Batch No.: 66279

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	CCV	11:53	Cyanide, Total	0.255	0.250	102	90-110		WC_CNL_INT_00037
2	CCB	11:54	Cyanide, Total	ND					
13	CCV	12:04	Cyanide, Total	0.254	0.250	102	90-110		WC_CNL_INT_00037
14	CCB	12:05	Cyanide, Total	ND					
20	CCV	12:11	Cyanide, Total	0.250	0.250	100	90-110		WC_CNL_INT_00037
21	CCB	12:12	Cyanide, Total	ND					
26	CCV	12:17	Cyanide, Total	0.250	0.250	100	90-110		WC_CNL_INT_00037
27	CCB	12:18	Cyanide, Total	ND					
29	CCV	12:20	Cyanide, Total	0.253	0.250	101	90-110		WC_CNL_INT_00037
30	CCB	12:21	Cyanide, Total	ND					
41	CCV	12:30	Cyanide, Total	0.251	0.250	100	90-110		WC_CNL_INT_00037
42	CCB	12:31	Cyanide, Total	ND					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1

SDG No.: _____

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 66279	Date: 05/29/2012 12:06	Prep Batch: 65978	Date: 05/24/2012 16:00				
9012A	MB 480-65978/1-A	Cyanide, Total	ND		mg/L	0.010	1

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1

SDG No.: _____

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 66279 Date: 05/29/2012 12:14 Prep Batch: 65978 Date: 05/24/2012 16:00											
9012A	480-20186-2	Cyanide, Total	0.86		mg/L						
9012A	480-20186-2	Cyanide, Total	1.12		mg/L	0.100	260	85-115			4
MS											

Calculations are performed before rounding to avoid round-off errors in calculated results.

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1

SDG No.: _____

Matrix: Water

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 66279 Date: 05/29/2012 11:58 Prep Batch: 65978 Date: 05/24/2012 16:00								
9012A	MW8DR	480-20186-1	Cyanide, Total	0.052	mg/L			
9012A	MW8DR	480-20186-1 DU	Cyanide, Total	0.0537	mg/L	2	15	

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1

SDG No.: _____

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 66279 Date: 05/29/2012 11:56 Prep Batch: 65978 Date: 05/24/2012 16:00											
						LCS Source: WC_CN_50ppm_00046					
9012A	LCS 480-65978/2-A	Cyanide, Total	0.270		mg/L	0.250	108	90-110			

Calculations are performed before rounding to avoid round-off errors in calculated results.

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-20186-1
SDG Number: _____
Matrix: Water Instrument ID: LACHAT2
Method: 9012A MDL Date: 01/29/2010 00:00
Prep Method: 9012A

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Cyanide, Total		0.01	0.005

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-20186-1
SDG Number: _____
Matrix: Water Instrument ID: LACHAT2
Method: 9012A XMDL Date: 01/29/2010 00:00

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Cyanide, Total		0.01	0.005

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1

SDG No.: _____

Prep Method: 9012A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 480-65978/1-A	05/24/2012 16:00	65978		50	50
LCS 480-65978/2-A	05/24/2012 16:00	65978		50	50
480-20186-1	05/24/2012 16:00	65978		50	50
480-20186-1 DU	05/24/2012 16:00	65978		50	50
480-20186-2	05/24/2012 16:00	65978		50	50
480-20186-2 MS	05/24/2012 16:00	65978		50	50
480-20186-3	05/24/2012 16:00	65978		50	50
480-20186-4	05/24/2012 16:00	65978		50	50
480-20186-5	05/24/2012 16:00	65978		50	50

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1

SDG No.: _____

Instrument ID: LACHAT2 Method: 9012A

Start Date: 05/29/2012 11:53 End Date: 05/29/2012 13:00

Lab Sample ID	D / F	T y p e	Time	Analytes															
				C N															
CCV 480-66279/1	1		11:53	X															
CCB 480-66279/2	1		11:54	X															
ZZZZZZ			11:55																
LCS 480-65978/2-A	1	T	11:56	X															
480-20186-1	1	T	11:57	X															
480-20186-1 DU	1	T	11:58	X															
ZZZZZZ			11:59																
ZZZZZZ			12:00																
ZZZZZZ			12:00																
ZZZZZZ			12:01																
480-20186-5	1	T	12:02	X															
ZZZZZZ			12:03																
CCV 480-66279/13	1		12:04	X															
CCB 480-66279/14	1		12:05	X															
MB 480-65978/1-A	1	T	12:06	X															
ZZZZZZ			12:07																
ZZZZZZ			12:07																
ZZZZZZ			12:08																
ZZZZZZ			12:10																
CCV 480-66279/20	1		12:11	X															
CCB 480-66279/21	1		12:12	X															
480-20186-2	4	T	12:13	X															
480-20186-2 MS	8	T	12:14	X															
ZZZZZZ			12:15																
480-20186-4	8	T	12:16	X															
CCV 480-66279/26	1		12:17	X															
CCB 480-66279/27	1		12:18	X															
480-20186-3	8	T	12:19	X															
CCV 480-66279/29	1		12:20	X															
CCB 480-66279/30	1		12:21	X															
ZZZZZZ			12:21																
ZZZZZZ			12:22																
ZZZZZZ			12:23																
ZZZZZZ			12:24																
ZZZZZZ			12:25																
ZZZZZZ			12:26																
ZZZZZZ			12:27																
ZZZZZZ			12:28																
ZZZZZZ			12:28																
ZZZZZZ			12:29																
CCV 480-66279/41	1		12:30	X															
CCB 480-66279/42	1		12:31	X															

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1

SDG No.: _____

Instrument ID: LACHAT2 Method: 9012A

Start Date: 05/29/2012 11:53 End Date: 05/29/2012 13:00

Lab Sample ID	D / F	T y p e	Time	Analytes															
				C	N														
ZZZZZZ			12:32																
CCV 480-66279/44			12:33																
CCB 480-66279/45			12:34																
ZZZZZZ			12:35																
ZZZZZZ			12:35																
ZZZZZZ			12:36																
ZZZZZZ			12:37																
ZZZZZZ			12:38																
ZZZZZZ			12:39																
ZZZZZZ			12:40																
ZZZZZZ			12:41																
ZZZZZZ			12:42																
ZZZZZZ			12:42																
CCV 480-66279/56			12:43																
CCB 480-66279/57			12:44																
ZZZZZZ			12:45																
CCV 480-66279/59			12:46																
CCB 480-66279/60			12:47																
ZZZZZZ			12:48																
ZZZZZZ			12:49																
ZZZZZZ			12:49																
ZZZZZZ			12:50																
ZZZZZZ			12:51																
ZZZZZZ			12:52																
ZZZZZZ			12:53																
ZZZZZZ			12:54																
ZZZZZZ			12:55																
ZZZZZZ			12:56																
CCV 480-66279/71			12:56																
CCB 480-66279/72			12:57																
ZZZZZZ			12:58																
CCV 480-66279/74			12:59																
CCB 480-66279/75			13:00																

Prep Types

T = Total/NA

66279

Solutions:
Cyanide 335.4/9012/335.1/4500

Potassium Phosphate Buffer	758931	Exp. 22 November 2012
Pyridine Barbituric Acid	765207	Exp. 25 June 2012
Chloramine-T	761473	Exp. 7 June 2012

LCS = 0.4mg/L, 0.25mg/L

CCV = 0.25mg/L

MS/SD = 0.1mg/L

ERA D064-541

Actual = 31.5 mg/Kg

Range = 10.8 - 45.4 mg/Kg

ERA D067-541

Actual = 44.0 mg/Kg

Range = 12.8 – 53.8 mg/Kg

50ppm INT STD = 714651

Batch: 66279

Author: BufLachat

Date : 5/29/2012

Original Run Filename: OM_5-29-2012_11-53-04AM.OMN Created: 5/29/2012 11:53:04 AM

Original Run Author's Signature: [BufLachat]

Current Run Filename: OM_5-29-2012_11-53-04AM.OMN Last Modified: 5/29/2012 1:02:17 PM

Current Run Author's Signature: [BufLachat]

Description: Default New Run

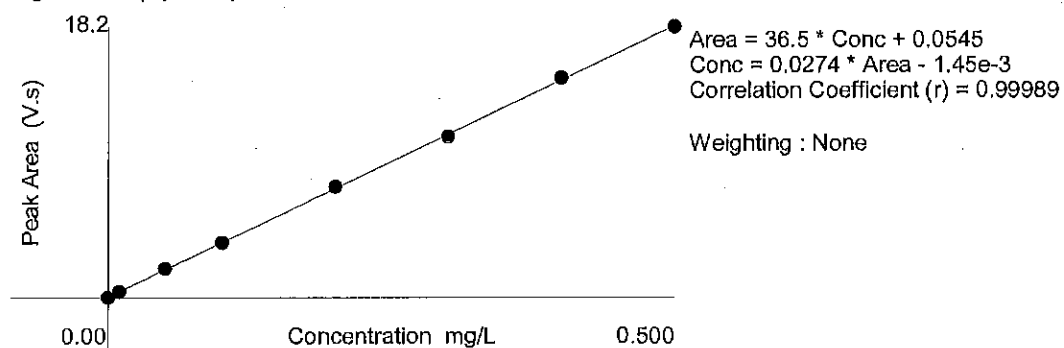
Sample	Rep.	Cup No.	Channel 1			Detection Time	Description
			Cyanide	Area	Height		
			Conc. (mg/L)	(V.s)	(V)		
CCV	1	S10	0.255	9.35	0.634	5/29/2012@11:53:55 AM	
Known Conc:			0.250				
Calibration:			Table/Fig. : 1				
CCB	1	S11	-1.31e-3	5.20e-3	1.93e-3	5/29/2012@11:54:47 AM	
Known Conc:			0.00				
MB 480-65978/1-A	1	2	0.112	4.14	0.281	5/29/2012@11:55:40 AM	
LCS 480-65978/2-A	1	3	0.270	9.92	0.676	5/29/2012@11:56:33 AM	
480-20186-C-1-A	1	4	0.0524	1.96	0.134	5/29/2012@11:57:27 AM	
480-20186-C-1-B DU	1	5	0.0537	2.01	0.135	5/29/2012@11:58:18 AM	
480-20186-C-2-A	1	6	0.842	30.8	2.09	5/29/2012@11:59:11 AM	
480-20186-C-2-B MS	1	7	1.15	41.9	2.84	5/29/2012@12:00:03 PM	
480-20186-C-3-A	1	8	1.16	42.5	2.90	5/29/2012@12:00:56 PM	
480-20186-C-4-A	1	9	1.33	48.6	3.30	5/29/2012@12:01:48 PM	
480-20186-C-5-A	1	10	2.15e-3	0.131	9.19e-3	5/29/2012@12:02:40 PM	
480-20187-F-1-A	1	11	0.0320	1.22	0.0811	5/29/2012@12:03:32 PM	
ccv	1	S10	0.254	9.31	0.633	5/29/2012@12:04:24 PM	
Known Conc:			100				
ccb	1	S11	-2.49e-3	-0.0379	-2.22e-3	5/29/2012@12:05:17 PM	
Known Conc:			100				
MB 480-65978/1-A	1	44	3.43e-4	0.0654	5.43e-3	5/29/2012@12:06:09 PM	
480-20186-C-2-A	1	45	0.838	30.6	2.09	5/29/2012@12:07:01 PM	
480-20186-C-2-B MS	1	47	1.14	41.5	2.81	5/29/2012@12:07:55 PM	
480-20186-C-3-A	1	48	1.16	42.5	2.89	5/29/2012@12:08:49 PM	
480-20186-C-4-A	1	49	1.33	48.5	3.29	5/29/2012@12:10:23 PM	
ccv	1	S10	0.250	9.18	0.624	5/29/2012@12:11:16 PM	
Known Conc:			100				
ccb	1	S11	-8.62e-4	0.0214	1.73e-3	5/29/2012@12:12:09 PM	
Known Conc:			100				
480-20186-C-2-A ⁸	1	50	0.215	7.90	0.537	5/29/2012@12:13:12 PM	1250UL 275mL
480-20186-C-2-B MS ⁸	1	51	0.140	5.18	0.353	5/29/2012@12:14:55 PM	625UL 275mL
480-20186-C-3-A	1	52	0.133	4.92	0.337	5/29/2012@12:15:48 PM	625UL 275mL
480-20186-C-4-A ⁸	1	53	0.159	5.87	0.401	5/29/2012@12:16:40 PM	625UL 275mL
ccv	1	S10	0.250	9.17	0.625	5/29/2012@12:17:33 PM	
Known Conc:			100				
ccb	1	S11	-1.67e-3	-8.09e-3	1.71e-3	5/29/2012@12:18:26 PM	
Known Conc:			100				
480-20186-C-3-A ⁸	1	52	0.132	4.86	0.331	5/29/2012@12:19:18 PM	625UL 275mL
ccv	1	S10	0.253	9.30	0.633	5/29/2012@12:20:11 PM	
Known Conc:			100				
ccb	1	S11	-1.60e-3	-5.62e-3	2.40e-3	5/29/2012@12:21:03 PM	
Known Conc:			100				
480-20187-F-2-A	1	12	4.56e-3	0.219	0.0158	5/29/2012@12:21:55 PM	
480-20187-F-3-A	1	13	3.04e-3	0.164	0.0107	5/29/2012@12:22:47 PM	
480-20183-K-1-A	1	14	0.0726	2.70	0.188	5/29/2012@12:23:38 PM	
480-20294-B-1-A	1	15	0.660	24.1	1.66	5/29/2012@12:24:30 PM	
480-20189-N-1-B	1	17	1.24e-3	0.0982	8.22e-3	5/29/2012@12:25:23 PM	
480-20189-N-1-C MS	1	18	0.111	4.10	0.281	5/29/2012@12:26:16 PM	
480-20189-N-1-D MSD	1	19	0.113	4.19	0.286	5/29/2012@12:27:10 PM	
480-20218-K-1-A	1	20	0.0371	1.41	0.0947	5/29/2012@12:28:03 PM	
480-20259-K-1-A	1	21	0.0112	0.460	0.0310	5/29/2012@12:28:55 PM	
480-20209-H-13-A	1	22	1.54e-3	0.109	7.53e-3	5/29/2012@12:29:48 PM	
ccv	1	S10	0.251	9.23	0.628	5/29/2012@12:30:41 PM	
Known Conc:			100				
ccb	1	S11	-1.09e-3	0.0131	2.27e-3	5/29/2012@12:31:33 PM	
Known Conc:			100				
480-20294-B-1-A ²	1	54	0.317	11.6	0.792	5/29/2012@12:32:26 PM	2500UL 275mL
ccv	1	S10	0.256	9.40	0.642	5/29/2012@12:33:18 PM	
Known Conc:			100				

ccb	1	S11	-1.31e-3	5.23e-3	1.85e-3	5/29/2012@12:34:10 PM	
Known Conc:			100				
MB 480-65980/1-A	1	23	2.26e-3	0.135	9.01e-3	5/29/2012@12:35:03 PM	
LCS 480-65980/2-A	1	24	0.275	10.1	0.693	5/29/2012@12:35:56 PM	
480-20321-Q-1-A	1	25	0.0128	0.521	0.0342	5/29/2012@12:36:48 PM	
480-20321-Q-1-B DU	1	26	0.0141	0.569	0.0656	5/29/2012@12:37:40 PM	
480-20321-Q-2-A	1	27	8.20e-3	0.352	0.0238	5/29/2012@12:38:32 PM	
480-20321-Q-2-B MS	1	28	0.0468	1.76	0.121	5/29/2012@12:39:24 PM	
480-20291-H-1-A	1	29	4.70e-3	0.225	0.0138	5/29/2012@12:40:15 PM	
480-20291-H-2-A	1	30	5.36e-4	0.0724	6.02e-3	5/29/2012@12:41:07 PM	
480-20294-B-2-A	1	31	0.414	15.2	4.23	5/29/2012@12:42:00 PM	
480-20294-B-3-A	1	32	-8.19e-5	0.0499	2.36e-3	5/29/2012@12:42:54 PM	
ccv	1	S10	0.255	9.37	0.638	5/29/2012@12:43:46 PM	
Known Conc:			100				
ccb	1	S11	-3.08e-3	-0.0597	-2.74e-3	5/29/2012@12:44:39 PM	
Known Conc:			100				
480-20321-Q-1-B DU	1	26	0.0174	0.689	0.116	5/29/2012@12:45:31 PM	
ccv	1	S10	0.252	9.25	0.638	5/29/2012@12:46:23 PM	
Known Conc:			100				
ccb	1	S11	-1.04e-3	0.0148	2.11e-3	5/29/2012@12:47:16 PM	
Known Conc:			100				
360-40682-I-1-C	1	33	0.494	18.1	1.25	5/29/2012@12:48:09 PM	
360-40682-I-2-C	1	34	0.0396	1.50	0.101	5/29/2012@12:49:03 PM	
480-20312-A-1-B	1	35	0.0381	1.44	0.0922	5/29/2012@12:49:56 PM	
480-20265-J-1-D	1	37	1.92e-3	0.123	8.30e-3	5/29/2012@12:50:49 PM	
480-20323-M-1-A	1	38	0.0481	1.81	0.125	5/29/2012@12:51:41 PM	
480-20323-M-2-A	1	39	9.36e-4	0.0870	6.71e-3	5/29/2012@12:52:34 PM	
480-20323-M-3-A	1	40	2.05e-3	0.128	8.71e-3	5/29/2012@12:53:26 PM	
480-20323-M-4-A	1	41	2.31e-3	0.137	0.0104	5/29/2012@12:54:19 PM	
480-20323-M-5-A	1	42	5.75e-4	0.0738	4.34e-3	5/29/2012@12:55:11 PM	
480-20323-M-6-A	1	43	1.72e-3	0.116	7.10e-3	5/29/2012@12:56:03 PM	
ccv	1	S10	0.252	9.25	0.628	5/29/2012@12:56:56 PM	
Known Conc:			100				
ccb	1	S11	-1.24e-3	7.68e-3	1.07e-3	5/29/2012@12:57:48 PM	
Known Conc:			100				
480-20294-B-2-A	1	55	-8.96e-4	0.0202	2.30e-3	5/29/2012@12:58:41 PM	
ccv	1	S10	0.246	9.02	0.611	5/29/2012@12:59:33 PM	
Known Conc:			100				
ccb	1	S11	-1.01e-3	0.0161	2.73e-3	5/29/2012@1:00:25 PM	
Known Conc:			100				

Table : 1 (Cyanide)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	0.500	1	18.2	1.24	0.0	0.4	0.498	5/29/2012	11:37:19 AM
2	0.400	1	14.8	1.01	0.0	-0.9	0.404	5/29/2012	11:38:11 AM
3	0.300	1	10.8	0.739	0.0	1.4	0.296	5/29/2012	11:39:03 AM
4	0.200	1	7.48	0.510	0.0	-1.8	0.204	5/29/2012	11:39:55 AM
5	0.100	1	3.69	0.251	0.0	0.2	0.0998	5/29/2012	11:40:48 AM
6	0.0500	1	1.95	0.130	0.0	-3.8	0.0520	5/29/2012	11:41:41 AM
7	0.0100	1	0.381	0.0254	0.0	9.2	8.98e-3	5/29/2012	11:42:35 AM
8	0.00	1	-8.37e-3	1.59e-3			-1.68e-3	5/29/2012	11:43:27 AM

Figure : 1 (Cyanide)



Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Volume (ml)	Soil Weight (g)	Spike Amount	If Spiked Please	Comments
5-24-12	MOL	MBLK	BLANK	1	50		(46)	☒	
		LCS	20.25ppm	2			250	☒	
		20186	C-1	3					
		20186	C-1A0	4					
		20186	C-2	5					
		20186	C-2MS	6			100	☒	
		20186	C-3	7					
		20186	C-4	8					
		20186	C-5	9					
		20187	F-1	10					
		20187	F-2	11					
		20187	F-3	12					
		20183	K-1	13					
		20294	B-1	14					
		20189	N-1	15					

Start Time 16:00 End Time 21:00 H₂S ☒ Cl₂ ☒ ERA Water Lot#
 Magnesium Chloride: 110143 Cyanide Total Standard: ERA Soil Lot#
 Sulfamic Acid: 723886 Cyanide Intermediate Standard 755773 0.25N NaOH: 2204537 Cyanide Free Standard:

Acetate Buffer: Zinc Acetate:

Block Temp Check:

Block# Measured Temp °C Corrected Temp °C (After Correction factor has been applied) Cell#

Block# Measured Temp °C Corrected Temp °C (After Correction factor has been applied) Cell#

Other: Reviewed By Date

1-20 ⇒ 65978
 21-40 ⇒ 65980
 5-24-12

TestAmerica BUFFALO
Cyanide Distillation Logbook

Logbook# A12-01-16

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Volume (ml)	Soil Weight (g)	Spike Amount (ml)	If Spiked Please 	Comments
5-24-12	MDL	20189	N-1 MS	16	50		100	✓	
		20189	N-1 MS	17			100	✓	
		20218	K-1	18					
		20259	K-1	19					
		20209	H-13	20					
		MBLK	BLANK	21					
		LGs	@.25 ppm	22			250	✓	
		20321	Q-1	23					
		20321	Q-1 DU	24					
		20321	Q-2	25					
		20321	Q-2 MS	26			100	✓	
		20291	H-1	27					
		20291	H-2	28					
		20294	B-2	29					
		20294	B-3	30					

Start Time _____ End Time _____ H₂S _____ Cl₂ _____ ERA Water Lot# _____
 Magnesium Chloride: _____ Cyanide Total Standard: _____ ERA Soil Lot# _____ Cyanide Free Standard: _____
 Sulfuric Acid: _____ Cyanide Intermediate Standard _____ 0.25N NaOH: _____

Acetate Buffer: _____ Zinc Acetate: _____
 Block Temp Check: _____
 Block# _____ Measured Temp °C _____ Corrected Temp °C (After Correction factor has been applied) _____ Cell# _____
 Block# _____ Measured Temp °C _____ Corrected Temp °C (After Correction factor has been applied) _____ Cell# _____
 Operator: _____ Reviewed By _____ Date _____

SEE PAGE 105

Logbook# A12-01-16

[illegible]

ERA Water Lot# _____

CS

SHS

End Time

Cyanide Free Standard:

Cyanide Total Standard: _____

0.25N NaOH:—

Carbide Intermediate Standard

Zinc Acetate:

Acetate Buffer:

Factorial combination factor has been applied)

Measured Temp °C

— A linear correction factor has been applied.

Measured Temp °C-

Reviewed By _____ Date _____

SEE PAGE 105

107/200

66279

WC_Cyanide Digestion @ 5/24/2012 2:39:43 PM

LogIn Method	Lab Sample ID	SRF	Method Description	Job Number	Alt Sample Matrix	Date Sampled Client	HT Expires	2nd Level Due Assigned To	PM	A-Method	Sample Matrix	Status	Batch	Rush
20186	480-20186-1	✓	Cyanide, Total and/or Amenable, 480-J20186-1 Water	480-J20186-1	Water	05/15/12 15:10	05/29/12 23:59	06/05/2012	MLD	9012A	Water	Ready	No	No
SGD - Closed(5/22/12); L4Reviewed:mv														
20186	480-20186-2	✓	Cyanide, Total and/or Amenable, 480-J20186-1 Water	480-J20186-1	Water	05/15/12 11:30	05/29/12 23:59	06/05/2012	MLD	9012A	Water	Ready	No	No
SGD - Closed(5/22/12); L4Reviewed:mv														
20186	480-20186-3	✓	Cyanide, Total and/or Amenable, 480-J20186-1 Water	480-J20186-1	Water	05/15/12 11:05	05/29/12 23:59	06/05/2012	MLD	9012A	Water	Ready	No	No
SGD - Closed(5/22/12); L4Reviewed:mv														
20186	480-20186-4	✓	Cyanide, Total and/or Amenable, 480-J20186-1 Water	480-J20186-1	Water	05/15/12 11:05	05/29/12 23:59	06/05/2012	MLD	9012A	Water	Ready	No	No
SGD - Closed(5/22/12); L4Reviewed:mv														
20186	480-20186-5	✓	Cyanide, Total and/or Amenable, 480-J20186-1 Water	480-J20186-1	Water	05/15/12 15:00	05/29/12 23:59	06/05/2012	MLD	9012A	Water	Ready	No	No
SGD - Closed(5/22/12); L4Reviewed:mv														
20187	480-20187-3	✓	Distillation, Cyanide 480-J20187-1 Water	480-J20187-1	Water	05/15/12 00:00	05/29/12 23:59	05/30/2012	SH	335.4	Water	Ready	No	No
Distill_CN														
20183	480-20183-1	✓	Distillation, Cyanide 480-J20183-1 Water	480-J20183-1	Water	05/16/12 12:25	05/30/12 23:59	06/01/2012	CF	335.4	Water	Ready	No	No
Distill_CN														
20187	480-20187-1	✓	Distillation, Cyanide 480-J20187-1 Water	480-J20187-1	Water	05/16/12 00:00	05/30/12 23:59	05/30/2012	SH	335.4	Water	Ready	No	No
Distill_CN														
20187	480-20187-2	✓	Distillation, Cyanide 480-J20187-1 Water	480-J20187-1	Water	05/16/12 00:00	05/30/12 23:59	05/30/2012	SH	335.4	Water	Ready	No	No
Distill_CN														
20294	480-20294-1	✓	Distillation, Cyanide 480-J20294-1 Water	480-J20294-1	Water	05/16/12 08:45	05/30/12 23:59	05/31/2012	MLD	335.4	Water	Ready	No	No
Distill_CN														
20189	480-20189-1MS	✓	Cyanide, Total and/or Amenable, 480-J20189-1 Leachate	480-J20189-1	Leachate	05/17/12 12:10	05/31/12 23:59	05/30/2012	RV	9012A	Water	Ready	No	No
9012A_Prep alone(5/18/12); L4Reviewed:mv,8082,mb														
20189	480-20189-1MS	✓	Cyanide, Total and/or Amenable, 480-J20189-1 Leachate	480-J20189-1	Leachate	05/17/12 12:10	05/31/12 23:59	05/30/2012	RV	9012A	Water	Ready	No	No
9012A_Prep alone(5/18/12); L4Reviewed:mv,8082,mb														
20209	480-20209-13	✓	Cyanide, Total and/or Amenable, 480-J20133-1 Ground Water	480-J20133-1	Ground Water	05/17/12 10:20	05/31/12 23:59	05/29/2012	LIES	9012A	Water	Ready	No	No
9012A_Prep														
20218	480-20218-1	✓	Distillation, Cyanide 480-J20218-1 Water	480-J20218-1	Water	05/17/12 10:45	05/31/12 23:59	06/04/2012	CF	335.4	Water	Ready	No	No
Distill_CN														

20189-1 ✓ HQO To Add Base sample Back in for MS/MS

Status Report

5/24/2012 2:39:44PM

WC Cyanide Digestion @ 5/24/2012 2:39:43 PM

Log in Method	Lab Sample ID SRF	Method Description Job Number	Alt Sample Matrix	Date Sampled Client	HT Expires	2nd Level Due Assigned To	PM A-Method	Sample Matrix	Status	Batch	Rush
20259 Distill_CN	480-20259-1	Distillation, Cyanide 480-J20259-1	Leachate	05/17/12 11:30 Waste Management Three Rivers, MI	05/31/12 23:59	06/06/2012	LES 335.4	Water	Ready	No	No
20291 9012A_Prep	480-20291-1	Cyanide, Total and/or Amenable, 480-J20133-1	Ground Water	05/17/12 09:30 Waste Management Lombard, IL	05/31/12 23:59	05/29/2012	LES 9012A	Water	Ready	No	No
20291 9012A_Prep	480-20291-2	Cyanide, Total and/or Amenable, 480-J20133-1	Ground Water	05/17/12 11:15 Waste Management Lombard, IL	05/31/12 23:59	05/29/2012	LES 9012A	Water	Ready	No	No
20294 Distill_CN	480-20294-2	Distillation, Cyanide 480-J20294-1	Water	05/17/12 08:45 RAFCO Environmental Services	05/31/12 23:59	05/31/2012	MLD 335.4	Water	Ready	No	No
20278 Distill_CN	480-20278-22	Distillation, Cyanide 480-J20278-1	Ground Water	05/18/12 15:40 Waste Management Wilmington, IL	06/01/12 23:59	06/06/2012	LES 335.4	Water	Ready	No	No
20294 Distill_CN	480-20294-3	Distillation, Cyanide 480-J20294-1	Water	05/18/12 09:40 RAFCO Environmental Services	06/01/12 23:59	05/31/2012	MLD 335.4	Water	Ready	No	No
20321 9012A_Prep	480-20321-1	Cyanide, Total and/or Amenable, 480-J20321-1	Leachate	05/21/12 13:35 Waste Management Wilmington, IL	06/04/12 23:59	05/31/2012	LES 9012A	Water	Ready	No	No
20321 9012A_Prep	480-20321-2	Cyanide, Total and/or Amenable, 480-J20321-1	Leachate	05/21/12 12:45 Waste Management Wilmington, IL	06/04/12 23:59	05/31/2012	LES 9012A	Water	Ready	No	No
20323 9012A_Prep	480-20323-1	Cyanide, Total and/or Amenable, 480-J20323-1	Ground Water	05/21/12 13:30 Waste Management Grayslake IL	06/04/12 23:59	06/01/2012	LES 9012A	Water	Ready	No	No
20323 9012A_Prep	480-20323-2	Cyanide, Total and/or Amenable, 480-J20323-1	Ground Water	05/21/12 12:25 Waste Management Grayslake IL	06/04/12 23:59	06/01/2012	LES 9012A	Water	Ready	No	No
20323 9012A_Prep	480-20323-3	Cyanide, Total and/or Amenable, 480-J20323-1	Ground Water	05/21/12 15:35 Waste Management Grayslake IL	06/04/12 23:59	06/01/2012	LES 9012A	Water	Ready	No	No
20323 9012A_Prep	480-20323-4	Cyanide, Total and/or Amenable, 480-J20323-1	Ground Water	05/21/12 13:30 Waste Management Grayslake IL	06/04/12 23:59	06/01/2012	LES 9012A	Water	Ready	No	No
20323 9012A_Prep	480-20323-5	Cyanide, Total and/or Amenable, 480-J20323-1	Ground Water	05/21/12 12:30 Waste Management Grayslake IL	06/04/12 23:59	06/01/2012	LES 9012A	Water	Ready	No	No
20323 9012A_Prep	480-20323-6	Cyanide, Total and/or Amenable, 480-J20323-1	Ground Water	05/21/12 12:45 Waste Management Grayslake IL	06/04/12 23:59	06/01/2012	LES 9012A	Water	Ready	No	No
20323 9012A_Prep	480-20323-7	Cyanide, Total and/or Amenable, 480-J20323-1	Ground Water	05/21/12 13:15 Waste Management Grayslake IL	06/04/12 23:59	06/01/2012	LES 9012A	Water	Ready	No	No
20323 9012A_Prep	480-20323-8	Cyanide, Total and/or Amenable, 480-J20323-1	Ground Water	05/21/12 16:15 Waste Management Grayslake IL	06/04/12 23:59	06/01/2012	LES 9012A	Water	Ready	No	No
20323 9012A_Prep	480-20323-9	Cyanide, Total and/or Amenable, 480-J20323-1	Ground Water	05/21/12 15:40 Waste Management Grayslake IL	06/04/12 23:59	06/01/2012	LES 9012A	Water	Ready	No	No

Historical Data Summary Report

For Batch 66279

Lab Sample ID	Client Sample	Method	Analyte	Data				Result	Fail 3-Sigma Limits		Fail Client Limits	
				Prep Type	Unit	Points	Dilution					
480-20209-H-13-A	G48D	9012A	Total Cyanide	Total/NA	mg/L	5	1.0	ND	☐	0-0	☐	0-0
480-20259-K-1-A	TLCHTE	335.4	Cyanide, Total	Total/NA	mg/L	4	1.0	0.011	☒	0-0	☒	0-0
480-20265-J-1-D	BCC BSA SUM/P	4500_CN_E	Cyanide, Total	Total/NA	mg/L	8	1.0	ND	☒	0.027 - 0.084	☒	0.037 - 0.078
480-20291-H-1-A	G13S	9012A	Total Cyanide	Total/NA	mg/L	5	1.0	ND	☐	0-0	☐	0-0
480-20291-H-2-A	G46D	9012A	Total Cyanide	Total/NA	mg/L	6	1.0	ND	☐	0-0	☐	0-0
480-20312-A-1-B	001G-BW-120521	335.4	Cyanide, Total	Total/NA	mg/L	6	1.0	0.038	☒	0.002 - 0.015	☒	0.005 - 0.016
480-20321-Q-1-A	L301	9012A	Total Cyanide	Total/NA	mg/L	8	1.0	ND	☐	0-0.202	☒	0.009 - 0.18
480-20323-M-1-A	G11U	9012A	Total Cyanide	Total/NA	mg/L	8	1.0	0.048	☒	0-0	☒	0-0
480-20323-M-2-A	G25U	9012A	Total Cyanide	Total/NA	mg/L	8	1.0	ND	☐	0-0	☐	0-0
480-20323-M-3-A	G36M	9012A	Total Cyanide	Total/NA	mg/L	8	1.0	ND	☐	0-0	☐	0-0
480-20323-M-4-A	G37M	9012A	Total Cyanide	Total/NA	mg/L	8	1.0	ND	☐	0-0	☐	0-0
480-20323-M-5-A	G38M	9012A	Total Cyanide	Total/NA	mg/L	8	1.0	ND	☐	0-0	☐	0-0
480-20323-M-6-A	G40M	9012A	Total Cyanide	Total/NA	mg/L	8	1.0	ND	☐	0-0	☐	0-0

AC
 NH 57.9
 Confirmed 65745
 5/29
 AC
 Confirmed 65943
 0.005 - 0.016
 0.009 - 0.18
 OK within Range
 AC

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1

SDG No.: _____

Batch Number: 65978 Batch Start Date: 05/24/12 16:00 Batch Analyst: Leader, MichaelBatch Method: 9012A Batch End Date: 05/24/12 18:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WC_CN_50ppm 00046			
MB 480-65978/1		9012A, 9012A		50 mL	50 mL				
LCS 480-65978/2		9012A, 9012A		50 mL	50 mL	250 uL			
480-20186-C-1	MW8DR	9012A, 9012A	T	50 mL	50 mL				
480-20186-C-1 DU	MW8DR	9012A, 9012A	T	50 mL	50 mL				
480-20186-C-2	DW1R	9012A, 9012A	T	50 mL	50 mL				
480-20186-C-2 MS	DW1R	9012A, 9012A	T	50 mL	50 mL	100 uL			
480-20186-C-3	MW3DR	9012A, 9012A	T	50 mL	50 mL				
480-20186-C-4	MW3DR DUP	9012A, 9012A	T	50 mL	50 mL				
480-20186-C-5	EB1	9012A, 9012A	T	50 mL	50 mL				

Batch Notes	

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1

SDG No.: _____

Batch Number: 66279 Batch Start Date: 05/29/12 11:53 Batch Analyst: Hacic, NicoleBatch Method: 9012A Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WC_CNL_INT 00037			
CCV 480-66279/1		9012A		5 mL	5 mL	0.025 mL			
CCB 480-66279/2		9012A		5 mL	5 mL				
LCS 480-65978/2-A		9012A		5 mL	5 mL				
480-20186-C-1-A	MW8DR	9012A	T	5 mL	5 mL				
480-20186-C-1-B DU	MW8DR	9012A	T	5 mL	5 mL				
480-20186-C-5-A	EB1	9012A	T	5 mL	5 mL				
CCV 480-66279/13		9012A		5 mL	5 mL	0.025 mL			
CCB 480-66279/14		9012A		5 mL	5 mL				
MB 480-65978/1-A		9012A		5 mL	5 mL				
CCV 480-66279/20		9012A		5 mL	5 mL	0.025 mL			
CCB 480-66279/21		9012A		5 mL	5 mL				
480-20186-C-2-A ^4	DW1R	9012A	T	5 mL	5 mL				
480-20186-C-2-B MS ^8	DW1R	9012A	T	5 mL	5 mL				
480-20186-C-4-A ^8	MW3DR DUP	9012A	T	5 mL	5 mL				
CCV 480-66279/26		9012A		5 mL	5 mL	0.025 mL			
CCB 480-66279/27		9012A		5 mL	5 mL				
480-20186-C-3-A ^8	MW3DR	9012A	T	5 mL	5 mL				
CCV 480-66279/29		9012A		5 mL	5 mL	0.025 mL			
CCB 480-66279/30		9012A		5 mL	5 mL				
CCV 480-66279/41		9012A		5 mL	5 mL	0.025 mL			
CCB 480-66279/42		9012A		5 mL	5 mL				

Batch Notes	

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-20186-1

SDG No.: _____

Batch Number: 66279 Batch Start Date: 05/29/12 11:53 Batch Analyst: Hacic, NicoleBatch Method: 9012A Batch End Date: _____

Basis	Basis Description
T	Total/NA

Shipping and Receiving Documents

[illegible]

Login Sample Receipt Checklist

Client: META Environmental

Job Number: 480-20186-1

Login Number: 20186

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl

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.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	meta
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	