

**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**

July 2011

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1.0 INTRODUCTION

This **NAPL and Groundwater Gauging Report**, dated July 2011, has been prepared to summarize the findings of field events performed on May 16, 17 and 18, 2011 at the 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 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:

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

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 and the monitoring frequency and reporting schedule.

2.0 FIELD ACTIVITIES

Field activities performed from May 16 to 18, 2011 consisted of recording static water levels, gauging for LNAPL and DNAPL in 30 monitoring wells and collecting groundwater quality samples from four shallow bedrock monitoring wells beneath the ISS columns. One shallow bedrock monitoring well, MW-5R, was not sampled because field personnel observed NAPL in the well water at the time of sampling after purging and recovery 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 the previous monitoring events and the past site investigation work over the previous several years. Field activities performed during each of the eight sampling events are identified in Table 1.

3.0 GROUNDWATER FLOW CHARACTERISTICS

The groundwater elevation data from the eight gauging events completed to date are presented in Table 2. Since the locations that were gauged during the May 2011 sampling event consist of a relatively linear network of wells, a groundwater contour 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), flow is generally from the eastern site area, westerly towards the ISS columns. In the northern site area, flow is generally to the northwest. In the southern site area, flow is generally to the southwest.

4.0 NAPL GAUGING RESULTS

During the May 16, 2011 gauging event, approximately 0.08 feet of LNAPL was measured in monitoring well RW-5. In addition to the observations of LNAPL in RW-5, measurable DNAPL was recorded in DW-3R (0.05 feet), and MW-5R (0.10 feet). These observations are consistent with previous gauging results for the monitoring locations, as presented in Table 2. As noted in the table, trace DNAPL was also recorded in RW-11, RW-12, RW-19, and RW-20. 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 (as noted on the sampling sheets for these wells 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 four 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 9012 (Table 3). The analytical reports from the laboratory for the May 2011 sampling event are provided in Appendix B, along with the Data Usability Summary Report (DUSR).

5.1 Water Quality and Monitoring Results

Table 3 provides a summary of the monitoring well analytical results for the May 2011 sampling event. Each of the monitoring wells sampled during this round (DW-1R, DW-3R, 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 and exhibited detections for BTEX compounds, several PAH constituents and total cyanide (Table 3). Measurable DNAPL was also recorded in DW-3R and MW-5R and present in the purge water from these two locations.

As shown in Table 3 and Figures 2 through 7, the May 2011 results were generally in the range of the previous four rounds of groundwater quality data from these wells, with total cyanide results in groundwater at DW-3R for the May 2011 sampling being higher than for the previous four sampling rounds. It should be noted that NAPL was observed during purging of DW-3R (Appendix A), which may have contributed to the higher concentrations measured at this location.

Figure 8 shows the 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). Nonconforming 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 and two trip blank samples showed only low level detections of naphthalene in the equipment blank and benzene in one of the trip blanks. The results for equipment and rinsate blanks are presented in Table 4. 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%, except for total cyanide which had an RPD of 90. As a result, the results for total cyanide in MW-3DR and its duplicate were “J” flagged as estimated during the DUSR review. The RPDs for duplicate groundwater samples indicate that the sampling procedures and analytical precision are of sufficient quality.

6.0 SUMMARY OF OBSERVATIONS FROM MAY 2011 SAMPLING EVENT

The information collected during the May 2011 monitoring event leads to the following observations:

- Approximately 0.08 feet of LNAPL was measured in monitoring well RW-5.
- Measurable DNAPL was recorded in DW-3R (0.02 feet) and MW-5R (0.08 feet).
- NAPL droplets in the well water of MW-5R after purging and recovery precluded collection of sample from this well for water quality analysis.
- Groundwater quality in the shallow bedrock wells underneath the ISS columns continues to be similar for all sampling events completed to date.

The next sampling event is planned for October 2011, 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, 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			October 12 and 13, 2010			May 16-18, 2011		
	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	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	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	x	x	x	x	x	x
MW-3DR	x	x	x	x	x	x	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	x	x	x	x	NS	x
MW-8DR	x	x	x	x	x	x	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	x	NS	x	x	NS	x
MW-4R	x	x	x	x	NS	x	x	x	x	x	x	x	x	NS	x	x	NS	x	x	NS	x
PZ-01R	x	x	x	x	NS	x	x	x	x	x	x	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	x	x	x	x	x	x	NS	x	x	NS	x	x	NS	x
RW-2	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x	x	NS	x	x	NS	x
RW-3	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x	x	NS	x	x	NS	x
RW-4	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x	x	NS	x	x	NS	x
RW-5	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x	x	NS	x	x	NS	x
RW-6	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x	x	NS	x	x	NS	x
RW-7	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x	x	NS	x	x	NS	x
RW-8	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x	x	NS	x	x	NS	x
RW-9	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x	x	NS	x	x	NS	x
RW-10	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x	x	NS	x	x	NS	x
RW-11	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x	x	NS	x	x	NS	x
RW-12	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x	x	NS	x	x	NS	x
RW-13	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x	x	NS	x	x	NS	x
RW-14	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x	x	NS	x	x	NS	x
RW-15	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x	x	NS	x	x	NS	x
RW-16	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x	x	NS	x	x	NS	x
RW-17	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x	x	NS	x	x	NS	x
RW-18	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x	x	NS	x	x	NS	x
RW-19	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x	x	NS	x	x	NS	x
RW-20	x	NS	x	x	NS	x	x	x	x	x	x	x	x	NS	x	x	NS	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	x	NS	x	x	NS	x
RW-22	x	x	x	x	NS	x	x	x	x	x	x	x	x	NS	x	x	NS	x	x	NS	x
RW-23	x	x	x	x	NS	x	x	x	x	x	x	x	NG	NS	NG	NG	NS	NG	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	NG	NS	NG	NG	NS	NG
TPMW-2	x	x	x	x	x	x	x	x	x	x	x	x	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

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:

Measurements shown are before any purging or sampling, unless otherwise noted

(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 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:

Measurements shown are before any purging or sampling, unless otherwise noted

(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 3
GROUNDWATER ANALYTICAL RESULTS
FOR THE SHALLOW BEDROCK MONITORING WELLS - OCTOBER 2008 THROUGH MAY 2011
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-3R 10/15/2008	DW-3R 5/19/2009	DW-3R 5/5/2010	DW-3R 10/13/2010	DW-3R 5/18/2011	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
<u>Volatiles</u>																
Benzene	µg/L	37,000	2,000 D	39,000 D	38,000	39,000 D	19,000	17,000 D	23,000 D	20,000	11,000 D	19,000	27,000 D	2,500 D	1,500	2,700 D
Toluene	µg/L	13,000	270	8,900 D	11,000	12,000 D	2,100	2,300	2,200	1,600	2,300	9,700	5,500	360	290	460
Ethylbenzene	µg/L	3,500	170	3,000	3,800	4,000	1,800	1,300	1,800	2,200	2,400	4,800	5,700	1,700	1,400	1,800 D
Xylenes, Total	ug/L	4,200	290	3,600	4,400	4,900	1,900	2,500	2,100	2,100	3,000	4,100	3,900	680	560	780
<u>Semi-Volatiles</u>																
Naphthalene	µg/L	2,900	1.4	4,100	5,000 D	4,300 D	920	2,700 D	6,700	20,000 D	5,500 D	2,500	3,900 D	1,600	1,000 DJ	930 D
2-Methylnaphthalene	µg/L	410	3.2	430	440 D	460 D	93	240 D	1,100	8,700 D	860	180 J	220 D	84	46	53
Acenaphthylene	µg/L	130 J	2.8	24 U	8.9	11	83 U	7.3	51	260 J	39 J	70 J	62	9.8	9.0	16
Acenaphthene	µg/L	34 J	6.1	98	65 J	120	39 J	61	310	3,100 D	200	47 J	14	53	31	55
Fluorene	µg/L	210 U	2.6	27 J	23 J	38	10 J	18	130	1,700 D	67	200 U	7.9	7.4 J	6.3	9.5
Phenanthrene	µg/L	210 U	1.8	27	26	42	9.8 J	17	300	4,900 D	84	200 U	5.9	8.6 J	6.0	7.1
Anthracene	µg/L	210 U	0.48 U	24 UJ	4.0	7.4	83 U	4.1	77	1,300 D	19 J	200 U	0.80	9.8 U	0.67	1.1 J
Fluoranthene	µg/L	210 U	0.48 U	24 UJ	1.0	2.5 J	83 U	1.9	69	1,300 D	11 J	200 U	0.47 U	9.8 U	0.19 J	4.7 U
Pyrene	µg/L	210 U	0.48 U	24 UJ	1.0	2.9 J	83 U	2.6	110	2,000 D	17 J	200 U	0.47 U	9.8 U	0.19 J	4.7 U
Benz[a]anthracene	µg/L	210 U	0.48 U	24 UJ	0.48 U	4.8 U	83 U	0.61	38	280 J	5.0 J	200 U	0.47 U	9.8 U	0.52 U	4.7 U
Chrysene	µg/L	210 U	0.48 U	24 UJ	0.48 UJ	4.8 U	83 U	0.60	32	230 J	3.5 J	200 U	0.47 U	9.8 U	0.52 U	4.7 U
Benzo[b]fluoranthene	µg/L	210 U	0.48 U	24 UJ	0.48 U	4.8 U	83 U	0.49 U	30 U	150 J	52 U	200 U	0.47 U	9.8 U	0.52 U	4.7 U
Benzo[k]fluoranthene	µg/L	210 U	0.48 U	24 UJ	0.48 UJ	4.8 U	83 U	0.49 U	30 U	64 J	52 U	200 U	0.47 U	9.8 U	0.52 U	4.7 U
Benzo[a]pyrene	µg/L	210 U	0.48 U	24 U	0.48 U	4.8 U	83 U	1.5	48	250 J	52 U	200 U	0.47 U	9.8 U	0.52 U	4.7 U
Indeno[1,2,3-cd]pyrene	µg/L	210 U	0.48 U	24 UJ	0.48 UJ	4.8 U	83 U	0.49 U	30 U	70 J	52 U	200 U	0.47 U	9.8 U	0.52 U	4.7 U
Dibenz[a,h]anthracene	µg/L	210 U	0.48 U	24 UJ	0.48 UJ	4.8 U	83 U	0.49 U	30 U	2.8 UJ	52 U	200 U	0.47 U	9.8 U	0.52 U	4.7 U
Benzo[g,h,i]perylene	µg/L	210 U	0.48 U	24 UJ	0.48 UJ	4.8 U	83 U	0.49 U	30 U	94 J	52 U	200 U	0.47 U	9.8 U	0.52 U	4.7 U
<u>Cyanide</u>																
Cyanide, Total	µg/L	1,000	1,020 J	1,090	976	850 J	260	164 J	212	282	370	1,000	1,470 J	1,100 J	1,240	2,900 J
<u>Field Data</u>																
Conductivity	µS/cm	3,100	3,020	3,560	4,440	3,280	1,057	1,200	869	1,390	1,313	2,993	4,500	3,880	4,360	3,206
pH	SU	7.27	8.07	6.92	6.63	6.85	7.18	8.08	7.39	6.99	7.13	7.52	7.83	7.22	6.98	7.00
Temperature	C	17.5	15.7	12.8	11.41	8.98	15.2	13.4	15.7	13.88	11.52	17.3	15.0	15.0	15.2	10.25
Turbidity	NTU	10	130	1.4	4.2	7.0	15	47	10	12.2	137	0	27	0	3.9	3.0
ORP	mV	-235	-125	-342	-326	-231.4	-13	-196	-56	-153	-188.4	-163	-200	-358	-322	-266
DO	mg/L	2.89	NA	0.14	0.42	1.40	0.80	NA	0.00	1.41	0.61	0.30	NA	0.00	0.97	1.11

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 2011
RG&E East Station Former MGP Site
Rochester, New York

Parameter	Units	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-8DR 10/14/2008	MW-8DR 5/19/2009	MW-8DR 5/5/2010	MW-8DR 10/13/2010	MW-8DR 5/18/2011
<u>Volatiles</u>											
Benzene	µg/L	25,000	38,000 D	32,000 J	27,000	NS	37,000	18,000 D	60,000 D	30,000 D	23,000 D
Toluene	µg/L	6,000	6,900 J	3,600	2,800	NS	2,000 U	55 J	100 U	210	64
Ethylbenzene	µg/L	2,600	3,200 J	1,500	1,700	NS	1,900 J	840	2,600	1,700	740 D
Xylenes, Total	ug/L	4,100	4,400 J	2,200	2,400	NS	1,300 J	470	1,700	820	600
<u>Semi-Volatiles</u>											
Naphthalene	µg/L	8,200	4,500 D	7,300	7,500 D	NS	6,000 J	1,300 D	6,000	7,300 D	4,600 D
2-Methylnaphthalene	µg/L	1,000	490 D	1,100	960 D	NS	690 J	98	530	690 D	570 D
Acenaphthylene	µg/L	130 J	61	99	61	NS	-- R	1.3	29 U	6.2	4.1 J
Acenaphthene	µg/L	120 J	72	230	180 D	NS	140 J	30	110	150 D	160
Fluorene	µg/L	78 J	48	160	83	NS	-- R	7.4	27 J	33	39
Phenanthrene	µg/L	110 J	85	370	180 D	NS	-- R	3.8	26 J	27	29
Anthracene	µg/L	420 U	17	78	31	NS	-- R	0.77	29 U	4.4	5.6
Fluoranthene	µg/L	420 U	15	79	25	NS	-- R	0.48 U	29 U	0.52 J	1.1 J
Pyrene	µg/L	420 U	23	130	36	NS	-- R	0.48 U	29 U	0.63	1.2 J
Benz[a]anthracene	µg/L	420 U	8.2	48	13	NS	-- R	0.48 U	29 U	0.58 U	5.0 U
Chrysene	µg/L	420 U	6.8	39	9.1	NS	-- R	0.48 U	29 U	0.58 U	5.0 U
Benzo[b]fluoranthene	µg/L	420 U	5.2	15 J	6.1	NS	-- R	0.48 U	29 U	0.58 U	5.0 U
Benzo[k]fluoranthene	µg/L	420 U	0.49 U	10 J	1.9	NS	-- R	0.48 U	29 U	0.58 U	5.0 U
Benzo[a]pyrene	µg/L	420 U	6.4	48	10	NS	-- R	0.48 U	29 U	0.58 U	5.0 U
Indeno[1,2,3-cd]pyrene	µg/L	420 U	3.2	31 U	2.4	NS	-- R	0.48 U	29 U	0.58 U	5.0 U
Dibenz[a,h]anthracene	µg/L	420 U	2.7	31 U	0.54 U	NS	-- R	0.48 U	29 U	0.58 U	5.0 U
Benzo[g,h,i]perylene	µg/L	420 U	3.4	31 U	3.1	NS	-- R	0.48 U	29 U	0.58 U	0.47 J
<u>Cyanide</u>											
Cyanide, Total	µg/L	68	372 J	480	270	NS	85.0	44.3	55.7	53.8	65.0
<u>Field Data</u>											
Conductivity	µS/cm	872	2,810	2,040	2,430	NS	2,218	2,710	2,450	3,020	2,073
pH	SU	9.90	7.00	7.35	6.99	NS	7.19	7.14	7.29	7.08	6.83
Temperature	C	14.6	14.9	16.7	14.71	NS	16.9	15	16.1	12.5	9.63
Turbidity	NTU	5.0	48	10	10.4	NS	40	100	1.3	17.6	5.19
ORP	mV	-250	-120	-153	-103	NS	-125	-165	-66	-74	-33.7
DO	mg/L	2.36	NA	0.84	0.57	NS	3.83	NA	1.62	2.78	1.21

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 AND TRIP BLANK RESULTS - MAY 2011
RG&E East Station Former MGP Site
Rochester, New York

Parameter	Units	EQUIPMENT BLANK 5/20/2011	TRIP BLANK 5/18/2011	TRIP BLANK 5/20/2011
<u>Volatiles</u>				
Benzene	µg/L	1.0 U	0.44 J	1.0 U
Toluene	µg/L	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U
Xylenes, Total	ug/L	2.0 U	2.0 U	2.0 U
<u>Semi-Volatiles</u>				
Naphthalene	µg/L	2.6 J	NS	NS
2-Methylnaphthalene	µg/L	4.9 U	NS	NS
Acenaphthylene	µg/L	4.9 U	NS	NS
Acenaphthene	µg/L	4.9 U	NS	NS
Fluorene	µg/L	4.9 U	NS	NS
Phenanthrene	µg/L	4.9 U	NS	NS
Anthracene	µg/L	4.9 U	NS	NS
Fluoranthene	µg/L	4.9 U	NS	NS
Pyrene	µg/L	4.9 U	NS	NS
Benz[a]anthracene	µg/L	4.9 U	NS	NS
Chrysene	µg/L	4.9 U	NS	NS
Benzo[b]fluoranthene	µg/L	4.9 U	NS	NS
Benzo[k]fluoranthene	µg/L	4.9 U	NS	NS
Benzo[a]pyrene	µg/L	4.9 U	NS	NS
Indeno[1,2,3-cd]pyrene	µg/L	4.9 U	NS	NS
Dibenz[a,h]anthracene	µg/L	4.9 U	NS	NS
Benzo[g,h,i]perylene	µg/L	4.9 U	NS	NS
<u>Cyanide</u>				
Cyanide, Total	µg/L	10.0 U	NS	NS

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 2011
RG&E East Station Former MGP Site
Rochester, New York

Parameter	Units	MW-3DR 5/18/2011	MW-3DR DUP 5/18/2011	RPD
<u>Volatiles</u>				
Benzene	µg/L	2,700 D	2,800 D	4
Toluene	µg/L	460	420	9
Ethylbenzene	µg/L	1,800 D	1,800 D	0
Xylenes, Total	ug/L	780	680	14
<u>Semi-Volatiles</u>				
Naphthalene	µg/L	930 D	940 D	1
2-Methylnaphthalene	µg/L	53	52	2
Acenaphthylene	µg/L	16.0	14	13
Acenaphthene	µg/L	55	53	4
Fluorene	µg/L	9.5	8.8	8
Phenanthrene	µg/L	7.1	6.6	7
Anthracene	µg/L	1.1 J	0.93 J	17
Fluoranthene	µg/L	4.7 U	4.7 U	NC
Pyrene	µg/L	4.7 U	4.7 U	NC
Benz[a]anthracene	µg/L	4.7 U	4.7 U	NC
Chrysene	µg/L	4.7 U	4.7 U	NC
Benzo[b]fluoranthene	µg/L	4.7 U	4.7 U	NC
Benzo[k]fluoranthene	µg/L	4.7 U	4.7 U	NC
Benzo[a]pyrene	µg/L	4.7 U	4.7 U	NC
Indeno[1,2,3-cd]pyrene	µg/L	4.7 U	4.7 U	NC
Dibenz(a,h)anthracene	µg/L	4.7 U	4.7 U	NC
Benzo[g,h,i]perylene	µg/L	4.7 U	4.7 U	NC
<u>Cyanide</u>				
Cyanide, Total	µg/L	2,900 J	1,100 J	90

Notes:

RPD - Relative percent difference

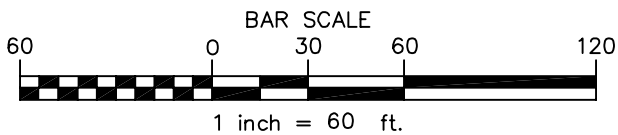
NC - Not calculated, parameter not detected in at least one sample

D - Indicates that the result is from a diluted run

J - Indicates an estimated value.

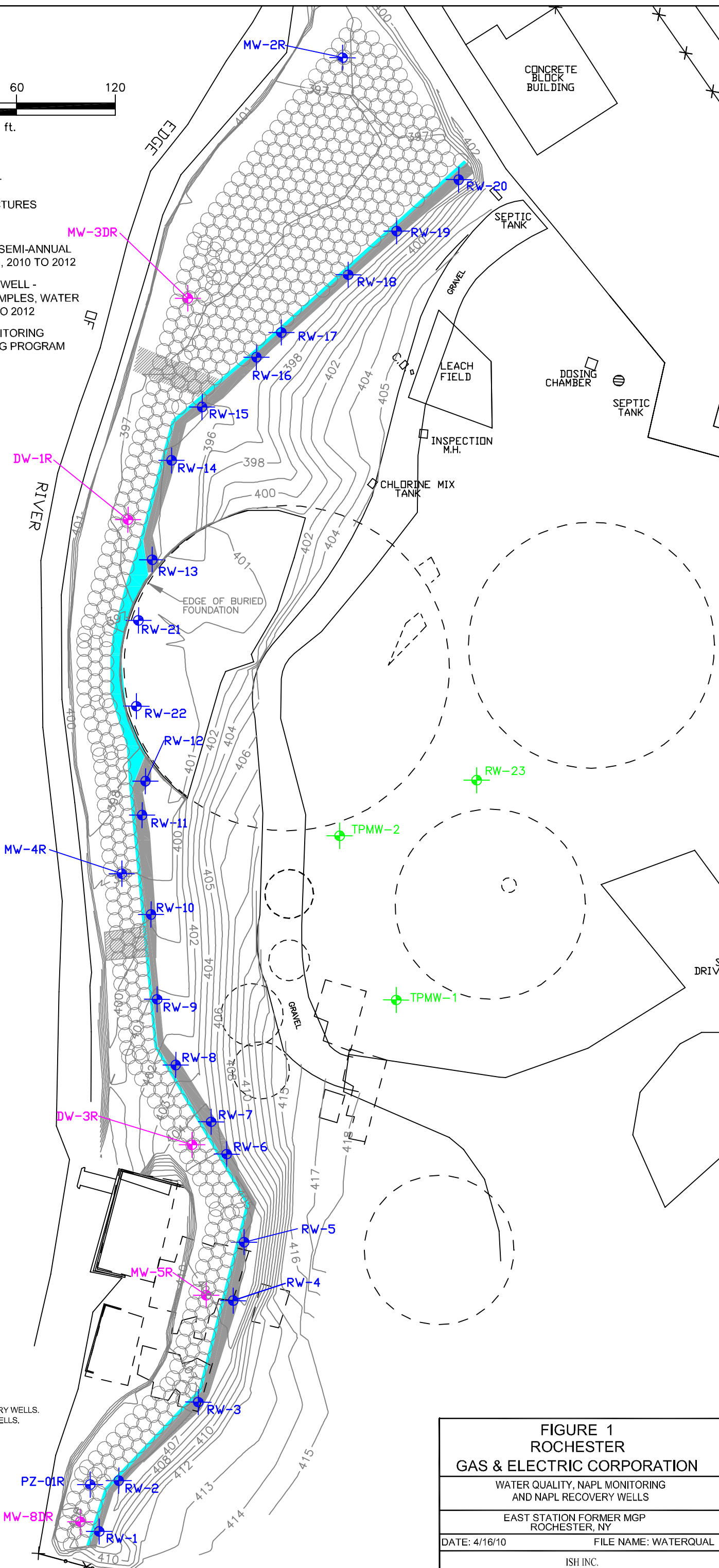
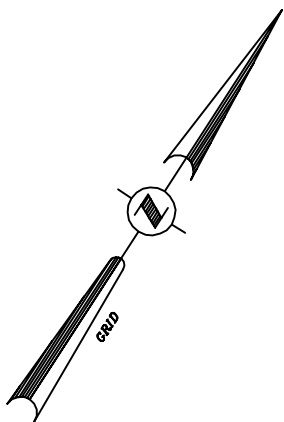
U - Indicates that the constituent was not detected at the reported detection limit.

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

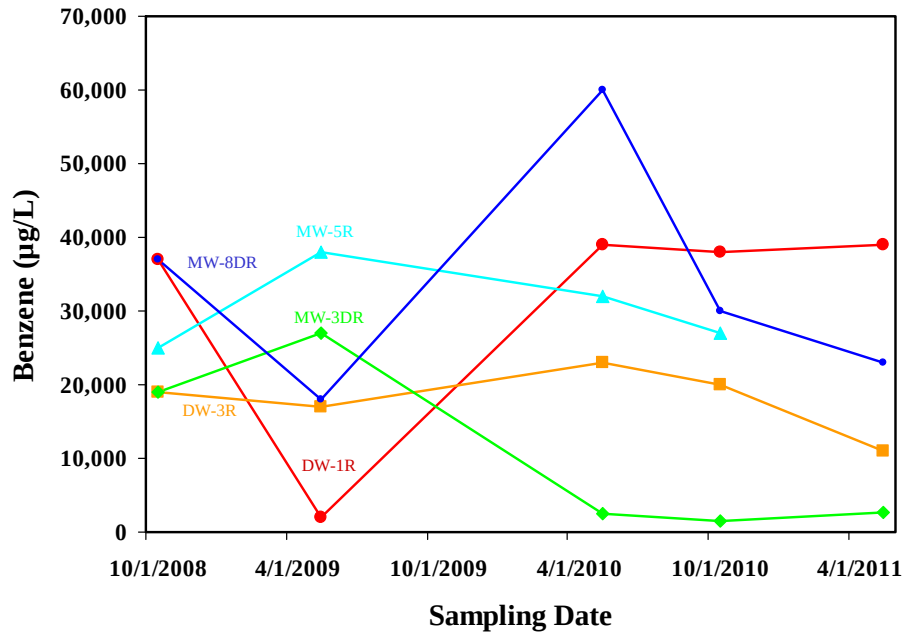


Figure 3
Toluene Concentrations in Shallow Bedrock Wells over Time

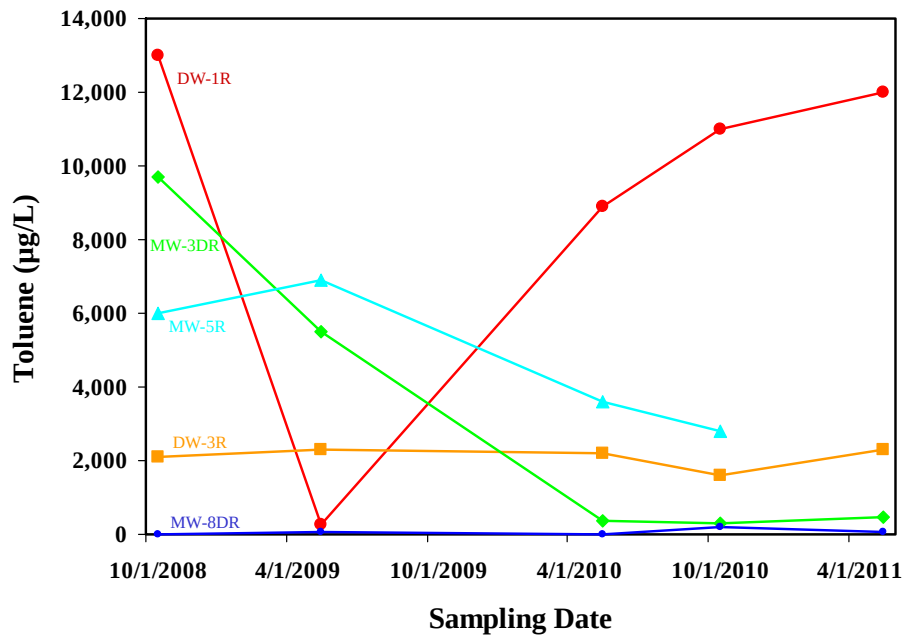


Figure 4
Ethylbenzene Concentrations in Shallow Bedrock Wells over Time

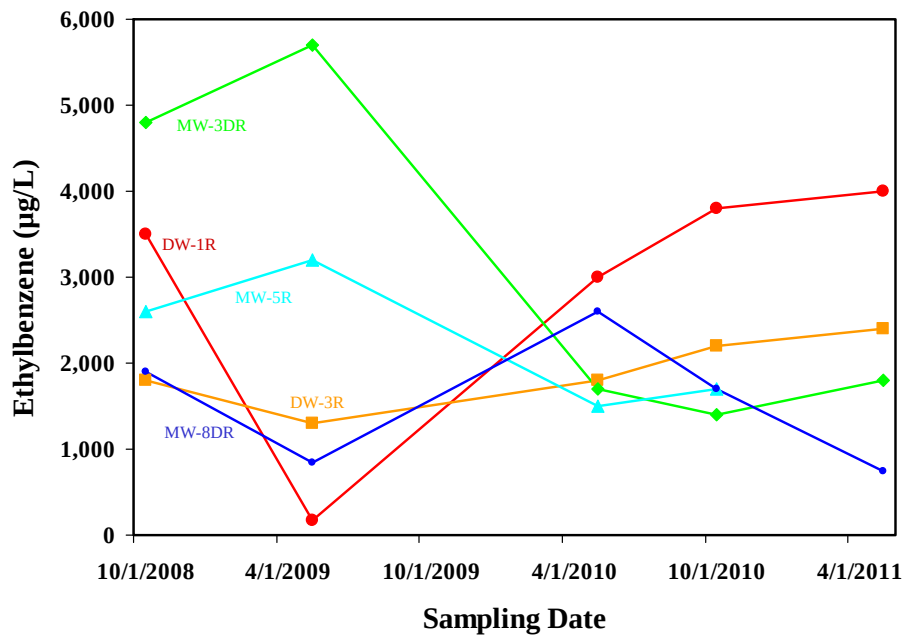


Figure 5
Total Xylene Concentrations in Shallow Bedrock Wells over Time

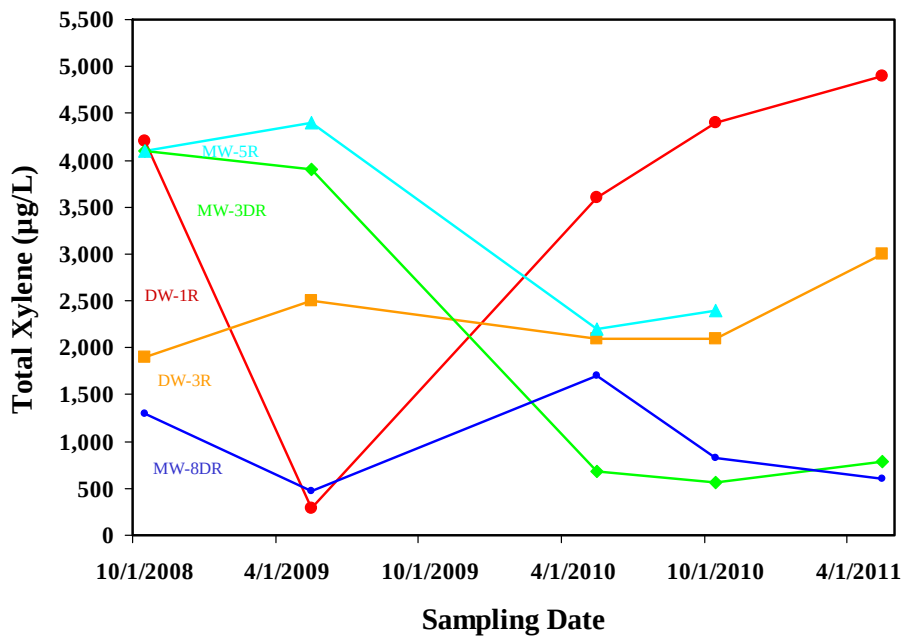


Figure 6
Naphthalene Concentrations in Shallow Bedrock Wells over Time

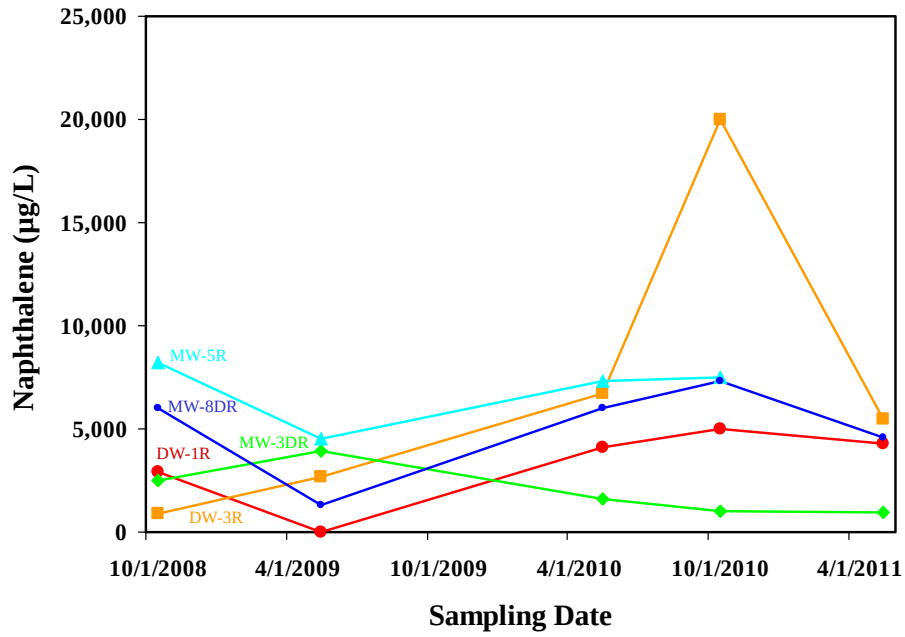


Figure 7
Cyanide Concentrations in Shallow Bedrock Wells over Time

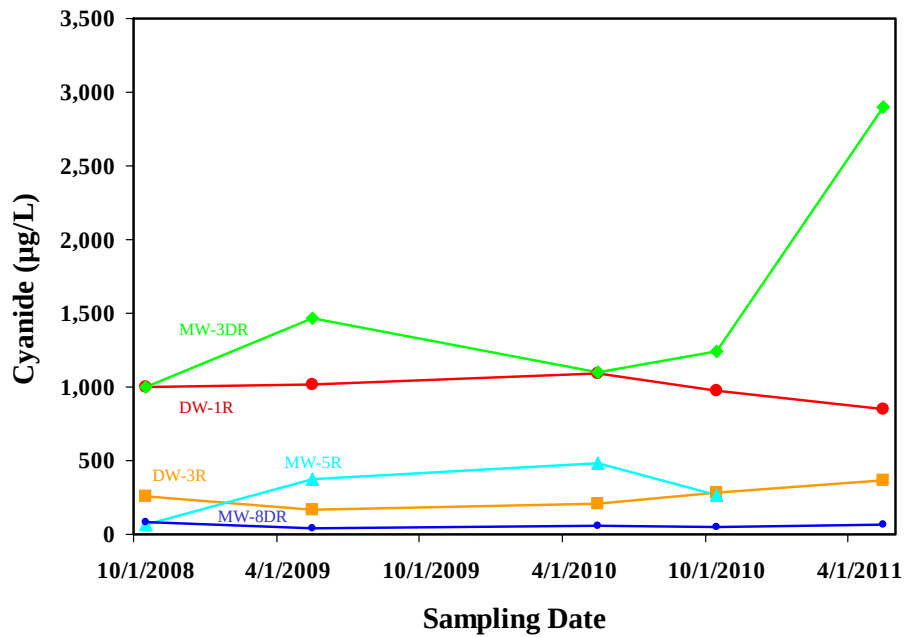
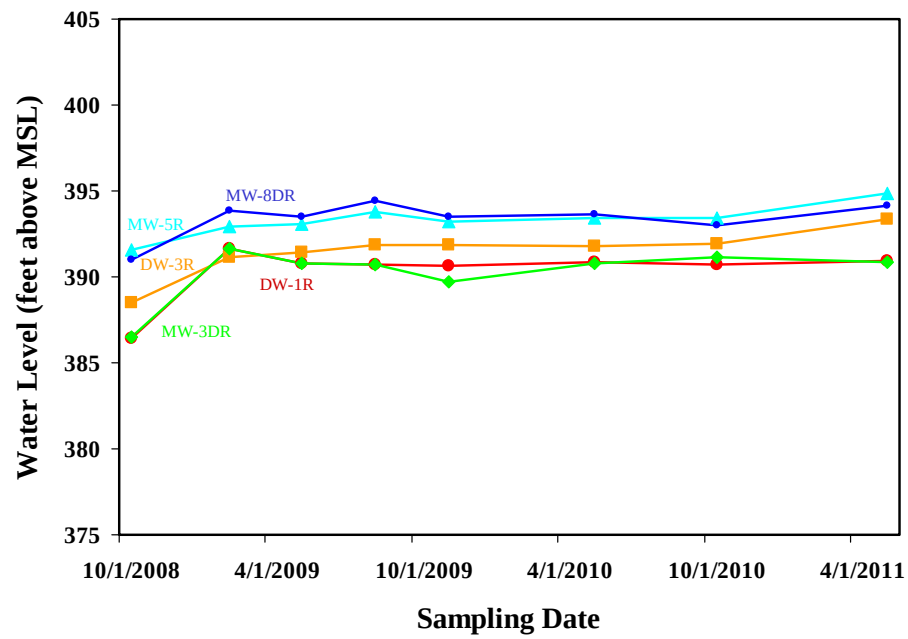


Figure 8
Groundwater Levels in Shallow Bedrock Wells over Time



APPENDIX A

GROUNDWATER SAMPLING FIELD SHEETS

Well Sampling Data Sheet

Well Number: DW-12

SAMPLE APPEARANCE

Initial Volumes

Final Volumes

Turbidity

clearclear

Color

clearclear

Odor

mod. mbr like odormod. mbr like odor

SAMPLES COLLECTED

Sample Time: 14:10

ID	Analysis	Quantity	Volume
<u>DW-12</u>	<u>VOL</u>	<u>3</u>	<u>40 ml</u>
<u>DW-12</u>	<u>SOL</u>	<u>2</u>	<u>12</u>
<u>DW-12</u>	<u>cytize</u>	<u>1</u>	<u>250ml</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

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.)

Site: East Station

Weather: Periodic rain ~45

Date: 5/17

Casing inner diameter (gal/foot):

___ 1" (0.041) ✓ 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

Measured Depth

29.07

14.09

14.98

Trace

Tail

Ref. Location

Type: DWARF

Min gallons of purge (feet of water X gal/ft X {2 or 3} well vols.) $2.40 \times 2 = 4.80$

Approx. time to purge $\frac{1}{2}$ well volume at 150 mL/min ($\frac{1}{2}$ well in gal X 25.2 min) $1.2 \times 25.2 = 30.20$

Purging Method: Peris. Pump Bailer Pos. Disp. Pump Other ,

Sampling Method: Peris. Pump Bailer Pos. Disp. Pump Other

Type of Tubing:

Pumphead

Downhole

Tygon

Teflon

Polyethylene

Silicone

* Significant amount
of NAPI observed in
Purse water ~ 1/8 of inc
in 5 gal bucket

Bailer Type: ☒ Teflon ☐ Stainless Steel ☐ Disposable

Dw-3R

22P

Time	Volume (gallons)	pH (SU)	Conductivity units:($\mu\text{S/cm}$)	Turbidity (NTU)	DO (mg/L)	Temp (°C)	TDS (g/L)	Eh (mV)
10:25	0	7.16	0.965	43	1.24	10.80	-	+141.2
10:55	1.8	7.19	1.294	37	0.31	10.64	-	-135.7
11:25	2.4	7.06	1.285	28	.66	10.82	-	-120.0
11:55	3.6	7.13	1.313	137①	.61	11.52	-	-188.4
			S					
			well went dry at 12:05.					
			water level on 5/18 @ 8:30 A = 23.42 - MARI = 125"					
			Shut off at 2:10 P					

% Difference between final 3 readings: (highest-lowest)/((highest + lowest)/2)

0+419
-1.42
794

① Turbidity increased due to adjustment of sampler

Well Sampling Data Sheet

Well Number: DW-3R

SAMPLE APPEARANCE

Initial Volumes

Turbidity

Color

Odor

Final Volumes

clearclearMBPclearclearMBP

SAMPLES COLLECTED

Sample Time: 1410

ID	Analysis	Quantity	Volume
<u>DW-3R</u>	<u>VOA</u>	<u>3</u>	<u>40ml</u>
<u>DW-3R</u>	<u>SVOC</u>	<u>2</u>	<u>1L</u>
<u>DW-3R</u>	<u>Chloride</u>	<u>1</u>	<u>250ml</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 ✓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.)

True DNAPL observed during well sampling. During sampling
heavy sheen & droplets of DNAPL observed in purge water.
well dry after removing about 3.6 gal of water. Samples removed
and water w/ DNAPL. 40ml of pure DNAPL removed from bladder.
will let well stabilize overnight and sample in afternoon.

Site: East station

Weather: rain ~ 45

Date: 5/18/11

Casing inner diameter (gal/foot):

1" (0.041) 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.) 4.10 x 2 = 8.20

Approx. time to purge $\frac{1}{2}$ well volume at 150 mL/min ($\frac{1}{2}$ well in gal X 25.2 min) $\bullet 2.05 \times 25.2 = 52$

Purging Method: Peris. Pump Bailer Pos. Disp. Pump ☒ Other blazer pump

Sampling Method: Peris. Pump Bailer Pos. Disp. Pump Other buozer pump

Type of Tubing:

Pumphead

Downhole

Tygon

Teflon

Polyethylene

Silicone

Bailer Type: Teflon Stainless Steel Disposable

MLW-3 DA

Time	Volume (gallons)	pH (SU)	Conductivity units: (µS/cm)	Turbidity (NTU)	DO (mg/L)	Temp (°C)	TDS (g/L)	Eh (mV)
7:50	0	8.00	1.772	92	7.2	23.6	8.93	-70.6
8:40	2.05	7.27	2.483	14	0.42	9.39	-	-189.2
9:30	4.10	7.08	2.989	6	2.77	9.64	-	-210.4
10:20	6.15	7.02	3.163	5	1.24	10.22	-	-194.7
11:10	8.20	7.00	3.206	3	1.11	10.25	-	-266
			Sample well at	11:20 A				

% Difference between final 3 readings: (highest-lowest)/ ((highest + lowest)/2)

.133

.576

.134

Well Sampling Data Sheet

Well Number: MW-3DR

SAMPLE APPEARANCE

Initial Volumes

Final Volumes

Turbidity

clearclear

Color

clearclear

Odor

Slight mbr/sulfurSlight mbr/sulfur

SAMPLES COLLECTED

Sample Time: 1120

ID	Analysis	Quantity	Volume
<u>MW-3DR</u>	<u>VOL</u>	<u>3</u>	<u>40ml</u>
<u>MW-3DR</u>	<u>SVOL</u>	<u>2</u>	<u>1L</u>
<u>MW-3DR</u>	<u>Cyanide</u>	<u>1</u>	<u>250 mL</u>
<u>MW-3DR DUP</u>	<u>VOL</u>	<u>3</u>	<u>40 mL</u>
<u>MW-3DR DUP</u>	<u>SVOL</u>	<u>2</u>	<u>1L</u>
<u>MW-3DR DUP</u>	<u>Cyanide</u>	<u>1</u>	<u>250 mL</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

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.)

Well Number: MW-5R

Date: 5/1/0

Casing inner diameter (gal/foot):

Previous Report	Measured Depth	Ref. Location

31.23

15.63

15.60

31.12

13

Type: DNARL

Approx. time to purge $\frac{1}{2}$ well volume at 150 mL/min ($\frac{1}{2}$ well in gal X 25.2 min) 31.5 min

Sampling Method: Peris. Pump Bailer Pos. Disp. Pump Other

Downhole

✓

MW-5R

Well def.
Producers
checked
by operations
from cell.

① ^{if conductivity} is not correct, probe possibly damaged.

Odor

NA
↓

2

Sample Time: *NA*

Volume

NA



Average Sampling NA mL/min

CO₂ (mg/L)

✓

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

Date: 5/18/11

Casing inner diameter (gal/foot):

Previous Report	Measured Depth	Ref. Location

NAPL thickness

Approx. time to purge 1/2 well volume at 150 mL/min (1/2 well in gal X 25.2 min) 41.58

Type of Tubing:

Silicone

☒ _____

Bailer Type: ☒ Teflon ☐ Stainless Steel ☐ Disposable

MW-8 DR

[illegible]

Well Sampling Data Sheet

Well Number: MW - 8 Dn

SAMPLE APPEARANCE

Initial Volumes

Final Volumes

Turbidity

Color

Odor

clearclearmbpclearclearmbp

SAMPLES COLLECTED

Sample Time: 1520

ID	Analysis	Quantity	Volume
<u>MW-8 Dn</u>	<u>UO₂</u>	<u>3</u>	<u>40 ml</u>
<u>MW-8 Dn</u>	<u>SVOC</u>	<u>2</u>	<u>12</u>
<u>MW-8 Dn</u>	<u>Cyanide</u>	<u>1</u>	<u>250 mL</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </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

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: 1262 E Site: East Station Date: 5/16/11
Personell: Brian M. B. S. A Weather: overcast w/ peroxide rain

[illegible]

④ water is bright yellow

Water Level Work Sheet

Client: 26EE

Site: East station

Date: 5/17/11

Personell: Greg Bellino

Weather: overcast w/ Periodic Rain

[illegible]

APPENDIX B

LABORATORY ANALYTICAL DATA AND DUSRs

East Station

Site: RGE-East Station
Laboratory: Test America, NY
Report No.: 480-5072-1 and 480-5174-1
Reviewer: Lisa McDonagh
Date: July 18, 2011

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
DW-1R	480-5072-01	VOC/SVOC
MW-3DR	480-5072-02	VOC/SVOC
MW-3DR DUP	480-5072-03	VOC/SVOC
DW-3R	480-5072-04	VOC/SVOC
Trip Blank	480-5072-05	VOC
MW-8DR	480-5174-01	VOC/SVOC
Equipment Blank	480-5174-02	VOC/SVOC
Trip Blank	480-5174-03	VOC

Associated QC Samples(s): Field Blanks: Trip Blank(480-5072-05), Equipment Blank,
Trip Blank(480-5174-03)
Field Duplicate pair: MW-3DR/MW-3DR DUP

The above-listed aqueous samples were collected on May 17 and 18, 2011 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
- 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

East Station

* - All criteria were met.

All results are usable for project objectives.

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 validation findings were based on the following information.

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

All criteria were met in the VOC and SVOC analyses

Blanks

Benzene and naphthalene were detected in the associated trip and equipment blank samples. 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.

East Station

Compound	Blank ID	Level Detected	Action Level	Associated Samples
Benzene	Trip	0.44 ug/L	2.2 ug/L	All samples.
Naphthalene	Equipment	2.6 ug/L	13 ug/L	All samples.

Sample results were qualified as follows:

- If sample concentration was < the quantitation limit (QL) and # the Action Level, qualify the result as a 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

All criteria were met in the VOC and SVOC analyses.

MS/MSD Results

VOC

MS/MSD analyses were performed on sample DW-3R. All criteria were met. Qualifications were not required.

SVOC

Semi-volatile matrix spike samples were not submitted with the data package.

LCS Results

All criteria were met in the VOC and SVOC analyses.

Internal Standards

All criteria were met in the VOC and SVOC analyses.

Field Duplicate Results

Samples MW-3DR and MW-3DR 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	MW-3DR (ug/L)	MW-3DR DUP (ug/L)	RPD (%)
Benzene	2700	2800	4
Toluene	460	420	9
Ethylbenzene	1800	1800	0
m,p-xylene	430	370	15
o-xylene	350	310	12
Xylenes, total	780	680	14
Acenaphthene	55	53	4
Acenaphthylene	16	14	13
Anthracene	1.1	0.93	17
Fluorene	9.5	8.8	8
Naphthalene	930	940	1
Phenanthrene	7.1	6.6	7
2-methylnaphthalene	53	52	2

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).

East Station

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

Sample	VOC Analysis Reported	SVOC Analysis Reported
DW-1R	1:80 and 1:500 dilution. Report the results for benzene and toluene from the 1:500 dilution. Report all other results from the 1:80 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.
MW-3DR	1:8 and 1:40 dilution. Report the results for benzene and ethylbenzene from the 1:40 dilution. Report all other results from the 1:8 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.
MW-3DR DUP	1:10 and 1:40 dilution. Report the results for benzene and ethylbenzene from the 1:40 dilution. Report all other results from the 1:10 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.
DW-3R	1:25 and 1:200 dilution. Report the result for benzene from the 1:200 dilution. Report all other results from the 1:25 dilution.	1:10 and 1:50 dilution. Report the result for naphthalene from the 1:50 dilution. Report all other results from the 1:10 dilution.
MW-8DR	1:5 and 1:400 dilutions. Report the results for benzene and ethylbenzene from the 1:400 dilution. Report all other results from the 1:5 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.

NR- A dilution was not required

The Equipment Blank and Trip Blanks were 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, Amherst, NY
Report No.: 480-5072 and 480-5174
Reviewer: Lorie MacKinnon
Date: July 18, 2011

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
DW-1R	480-5072-01	Cyanide
MW-3DR	480-5072-02	Cyanide
MW-3DR DUP	480-5072-03	Cyanide
DW-3R	480-5072-04	Cyanide
MW-8DR	480-5174-01	Cyanide
Equipment Blank	480-5174-02	Cyanide

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

The above-listed aqueous samples and equipment blank sample were collected on May 17 and 18, 2011 and were analyzed for cyanide by SW-846 method 9012A. 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
- * • Contract Required Quantitation Limit (CRQL) Standard Recoveries
- * • Blank Analysis Results
- NA • Inductively Coupled Plasma (ICP) Interference Check Sample (ICS) Results
- * • Matrix Spike (MS) Results
- * • Laboratory Duplicate Results
- * • Field Duplicate Results
- * • Laboratory Control Sample (LCS) Results
- NA • Serial Dilution Results
- NA • Moisture Content
 - Detection Limits Results
- * • Sample Quantitation Results

* - All criteria were met for this parameter.

NA - Not applicable to the method or matrix reviewed.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives.

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

- The positive results for cyanide in samples MW-3DR and MW-3DR DUP were qualified as estimated (J) due to high relative percent difference (RPD) in the evaluation of the field duplicate pair. The direction of the bias cannot be determined from this nonconformance. The results are usable for project objectives as estimated values which may have a minor impact on the data usability.

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

- The positive results for cyanide in samples MW-3DR, MW-3DR DUP, and DW-1R were qualified as estimated (J) due to holding time exceedances. The results may be biased low. The results are usable 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 laboratory deliverables.

Holding Times and Sample Preservation

Sample DW-1R was analyzed initially on 05/26, but the level was above the instrument calibration range. The sample was reanalyzed at a dilution three days outside of holding time. As the diluted analysis was reported for this sample, the positive result for cyanide in this sample was estimated (J). Samples MW-3DR and MW-3DR DUP were analyzed at dilutions two days outside of holding time. The positive results for cyanide in samples MW-3DR and MW-3DR DUP were estimated (J).

Instrument Calibration

All recovery criteria were met.

CRQL Standard Recoveries

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 a non-project sample (480-5346-02) for cyanide. All criteria were met.

Laboratory Duplicate Results

A laboratory duplicate analysis was performed on a non-project sample (480-5346-01) for cyanide. All criteria were met.

Field Duplicate Results

Samples MW-3DR and MW-3DR DUP were submitted as the field duplicate pair with this sample group. The following table summarizes the relative percent difference of cyanide, which was not within the acceptance criteria. The positive results for cyanide in samples MW-3DR and MW-3DR DUP were estimated (J).

Compound	MW-3DR (mg/L)	MW-3DR DUP (mg/L)	RPD (%)
Cyanide	2.9	1.1	90

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

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

Sample	Cyanide Dilution/Analysis Reported
DW-1R	5-fold
MW-3DR	10-fold
MW-3DR DUP	5-fold

Sample Quantitation Results

Calculations were spot-checked; no discrepancies were noted.

ANALYTICAL REPORT

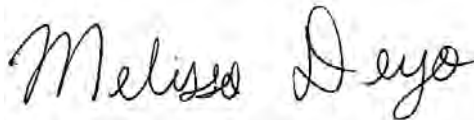
Job Number: 480-5072-1

Job Description: RG&E East Station Former MPG Site

For:

META Environmental
49 Clarendon Street
Watertown, MA 02472

Attention: Peter DeClercq



Approved for release.
Melissa L. Deyo
Project Administrator
7/6/2011 4:41 PM

Designee for
Denise Giglia
Project Manager I
denise.giglia@testamericainc.com
07/06/2011
Revision: 2

cc: Heather March

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Job Narrative
480-5072-1

Receipt

A trip blank was submitted for analysis with these samples; however, it was not listed on the Chain-of-Custody (COC).

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method 8260B: The following samples were diluted due to the abundance of target analytes: DW-1R (480-5072-1), DW-1R (480-5072-1 DL), MW-3DR (480-5072-2), MW-3DR (480-5072-2 DL), MW-3DR DUP (480-5072-3), MW-3DR DUP (480-5072-3 DL), DW-3R (480-5072-4), DW-3R (480-5072-4 DL), MW-8RDR (480-5174-1) and MW-8RDR (480-5174-1 DL). Elevated reporting limits (RLs) are provided.

Method 8260B: The following sample was analyzed with headspace in the sample vial: TRIP BLANK (480-5072-5).

Method 8260B: Due to multiple analysis for high target compound detections, the following sample was analyzed with headspace in the sample vial: DW-3R (480-5072-4 DL).

No other analytical or quality issues were noted.

GC/MS Semi VOA

Method 8270C: The following samples were diluted due to the abundance of target analytes: DW-1R (480-5072-1 DL), MW-3DR (480-5072-2 DL), MW-3DR DUP (480-5072-3 DL), DW-3R (480-5072-4), DW-3R (480-5072-4 DL) and MW-8RDR (480-5174-1 DL). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

General Chemistry

Method 9012A: Analysis of the following sample was originally done within analytical holding time with compliant quality controls: DW-1R (480-5072-1). However, the sample result was over the range of the calibration curve and should be considered estimated. The sample was reanalysis outside of the analytical holding time. Both sets of results have been reported.

Method 9012A: The laboratory control sample (LCS) for preparation batch 18302 exceeded control limits for the following analytes: Total Cyanide. This analyte was biased high in the LCS and was not detected in the following samples: MW-3DR (480-5072-2) and MW-3DR DUP (480-5072-3). Therefore, no re-extraction was required. The following sample did have a detection for the analyte: DW-1R (480-5072-1 RA). The result for this sample should be considered biased high.

No other 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.: 480-5072-1

SDG No.:

Instrument ID: HP5973P Analysis Batch Number: 16454

Lab Sample ID: IC 480-16454/3 Client Sample ID:

Date Analyzed: 05/17/11 13:55 Lab File ID: P2552.D GC Column: ZB-624 (60) ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichlorofluoromethane	4.14	Missed Peak	cwiklinc	05/17/11 17:46

Lab Sample ID: ICIS 480-16454/6 Client Sample ID:

Date Analyzed: 05/17/11 15:09 Lab File ID: P2555.D GC Column: ZB-624 (60) ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichlorofluoromethane	4.14	Split Peak	cwiklinc	05/17/11 17:42

Lab Sample ID: IC 480-16454/7 Client Sample ID:

Date Analyzed: 05/17/11 15:34 Lab File ID: P2556.D GC Column: ZB-624 (60) ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichlorofluoromethane	4.14	Split Peak	cwiklinc	05/17/11 17:48

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.:

Instrument ID: HP5973P Analysis Batch Number: 17444

Lab Sample ID: CCVIS 480-17444/2 Client Sample ID:

Date Analyzed: 05/25/11 11:45 Lab File ID: P2784.D GC Column: ZB-624 (60) ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION	
		REASON	ANALYST
Trichlorofluoromethane	4.14	Split Peak	quirkp
			05/25/11 12:02

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.:

Instrument ID: HP5973P Analysis Batch Number: 17555

Lab Sample ID: CCVIS 480-17555/2 Client Sample ID:

Date Analyzed: 05/25/11 21:51 Lab File ID: P2807.D GC Column: ZB-624 (60) ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION	
		REASON	ANALYST
Trichlorofluoromethane	4.14	Split Peak	quirkp
			05/26/11 15:39

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.: _____

Instrument ID: HP5973P Analysis Batch Number: 17618

Lab Sample ID: CCVIS 480-17618/2 Client Sample ID: _____

Date Analyzed: 05/26/11 10:19 Lab File ID: P2832.D GC Column: ZB-624 (60) ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION	
		REASON	ANALYST
Trichlorofluoromethane	4.14	Split Peak	quirkp
			05/26/11 10:41

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.:

Instrument ID: HP5973W Analysis Batch Number: 17774

Lab Sample ID: CCVIS 480-17774/2 Client Sample ID:

Date Analyzed: 05/27/11 08:00 Lab File ID: W0437.D GC Column: RXI-5Sil MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION	
		REASON	ANALYST
Phenol	4.95	Cut Peak	pagem
			05/27/11 08:32

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.:

Instrument ID: HP5973W Analysis Batch Number: 18006

Lab Sample ID: CCVIS 480-18006/2 Client Sample ID:

Date Analyzed: 05/31/11 07:47 Lab File ID: W0471.D GC Column: RXI-5Sil MS ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION	
		REASON	ANALYST
Phenol	4.87	Split Peak	pagem
			05/31/11 08:14

SAMPLE SUMMARY

Client: META Environmental

Job Number: 480-5072-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-5072-1	DW-1R	Water	05/17/2011 1410	05/18/2011 1650
480-5072-2	MW-3DR	Water	05/18/2011 1120	05/18/2011 1650
480-5072-3	MW-3DR DUP	Water	05/18/2011 1120	05/18/2011 1650
480-5072-4	DW-3R	Water	05/18/2011 1410	05/18/2011 1650
480-5072-5TB	TRIP BLANK	Water	05/18/2011 0000	05/18/2011 1650
480-5174-1	MW-8DR	Water	05/18/2011 1520	05/20/2011 0930
480-5174-2	EQUIPMENT BLANK	Water	05/18/2011 1700	05/20/2011 0930
480-5174-3TB	TRIP BLANK	Water	05/18/2011 0000	05/20/2011 0930

EXECUTIVE SUMMARY - Detections

Client: META Environmental

Job Number: 480-5072-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
480-5072-1	DW-1R				
Benzene		39000	500	ug/L	8260B
Toluene		12000	500	ug/L	8260B
Ethylbenzene		4000	80	ug/L	8260B
m-Xylene & p-Xylene		3200	160	ug/L	8260B
o-Xylene		1700	80	ug/L	8260B
Xylenes, Total		4900	160	ug/L	8260B
Acenaphthene		120	4.8	ug/L	8270C
Acenaphthylene		11	4.8	ug/L	8270C
Anthracene		7.4	4.8	ug/L	8270C
Fluoranthene		2.5 J	4.8	ug/L	8270C
Fluorene		38	4.8	ug/L	8270C
Naphthalene		1800 E	4.8	ug/L	8270C
Phenanthrene		42	4.8	ug/L	8270C
Pyrene		2.9 J	4.8	ug/L	8270C
2-Methylnaphthalene		460	240	ug/L	8270C
Cyanide, Total		0.85 H	0.050	mg/L	9012A
480-5072-2	MW-3DR				
Benzene		2700	40	ug/L	8260B
Toluene		460	8.0	ug/L	8260B
Ethylbenzene		1800	40	ug/L	8260B
m-Xylene & p-Xylene		430	16	ug/L	8260B
o-Xylene		350	8.0	ug/L	8260B
Xylenes, Total		780	16	ug/L	8260B
Acenaphthene		55	4.7	ug/L	8270C
Acenaphthylene		16	4.7	ug/L	8270C
Anthracene		1.1 J	4.7	ug/L	8270C
Fluorene		9.5	4.7	ug/L	8270C
Naphthalene		710 E	4.7	ug/L	8270C
Phenanthrene		7.1	4.7	ug/L	8270C
2-Methylnaphthalene		53	4.7	ug/L	8270C
Cyanide, Total		2.9	0.10	mg/L	9012A

EXECUTIVE SUMMARY - Detections

Client: META Environmental

Job Number: 480-5072-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
480-5072-3	MW-3DR DUP				
Benzene		2800	40	ug/L	8260B
Toluene		420	10	ug/L	8260B
Ethylbenzene		1800	40	ug/L	8260B
m-Xylene & p-Xylene		370	20	ug/L	8260B
o-Xylene		310	10	ug/L	8260B
Xylenes, Total		680	20	ug/L	8260B
Acenaphthene		53	4.7	ug/L	8270C
Acenaphthylene		14	4.7	ug/L	8270C
Anthracene		0.93 J	4.7	ug/L	8270C
Fluorene		8.8	4.7	ug/L	8270C
Naphthalene		690 E	4.7	ug/L	8270C
Phenanthrene		6.6	4.7	ug/L	8270C
2-Methylnaphthalene		52	4.7	ug/L	8270C
Cyanide, Total		1.1	0.050	mg/L	9012A
480-5072-4	DW-3R				
Benzene		11000	200	ug/L	8260B
Toluene		2300	25	ug/L	8260B
Ethylbenzene		2400	25	ug/L	8260B
m-Xylene & p-Xylene		1900	50	ug/L	8260B
o-Xylene		1100	25	ug/L	8260B
Xylenes, Total		3000	50	ug/L	8260B
Acenaphthene		200	52	ug/L	8270C
Acenaphthylene		39 J	52	ug/L	8270C
Anthracene		19 J	52	ug/L	8270C
Benz(a)anthracene		5.0 J	52	ug/L	8270C
Chrysene		3.5 J	52	ug/L	8270C
Fluoranthene		11 J	52	ug/L	8270C
Fluorene		67	52	ug/L	8270C
Naphthalene		4900 E	52	ug/L	8270C
Phenanthrene		84	52	ug/L	8270C
Pyrene		17 J	52	ug/L	8270C
2-Methylnaphthalene		860	52	ug/L	8270C
Cyanide, Total		0.37	0.010	mg/L	9012A
480-5072-5TB	TRIP BLANK				
Benzene		0.44 J	1.0	ug/L	8260B

EXECUTIVE SUMMARY - Detections

Client: META Environmental

Job Number: 480-5072-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
480-5174-1	MW-8DR					
Benzene		23000		400	ug/L	8260B
Toluene		64		5.0	ug/L	8260B
Ethylbenzene		740		400	ug/L	8260B
m-Xylene & p-Xylene		300		10	ug/L	8260B
o-Xylene		300		5.0	ug/L	8260B
Xylenes, Total		600		10	ug/L	8260B
Acenaphthene		160		5.0	ug/L	8270C
Acenaphthylene		4.1	J	5.0	ug/L	8270C
Anthracene		5.6		5.0	ug/L	8270C
Benzo(g,h,i)perylene		0.47	J	5.0	ug/L	8270C
Fluoranthene		1.1	J	5.0	ug/L	8270C
Fluorene		39		5.0	ug/L	8270C
Naphthalene		1400	E	5.0	ug/L	8270C
Phenanthrene		29		5.0	ug/L	8270C
Pyrene		1.2	J	5.0	ug/L	8270C
2-Methylnaphthalene		570		250	ug/L	8270C
Cyanide, Total		0.065		0.010	mg/L	9012A
480-5174-2	EQUIPMENT BLANK					
Naphthalene		2.6	J	4.9	ug/L	8270C

METHOD SUMMARY

Client: META Environmental

Job Number: 480-5072-1

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: 480-5072-1

Method	Analyst	Analyst ID
SW846 8260B	Coder, David	DC
SW846 8260B	Cwiklinski, Charles D	CDC
SW846 8260B	Dias, Nicole	ND
SW846 8260B	Hill, Leah	LH
SW846 8260B	Quirk, Patrick J	PJQ
SW846 8270C	Gonzalez, Jason L	JLG
SW846 8270C	Page, Michelle	MP
SW846 9012A	Deplato, Michael	MD
SW846 9012A	Rojecki, James	JR

Analytical Data

Client: META Environmental

Job Number: 480-5072-1

Client Sample ID: DW-1R

Lab Sample ID: 480-5072-1

Client Matrix: Water

Date Sampled: 05/17/2011 1410

Date Received: 05/18/2011 1650

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-17444	Instrument ID:	HP5973P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P2794.D
Dilution:	80			Initial Weight/Volume:	5 mL
Analysis Date:	05/25/2011 1627			Final Weight/Volume:	5 mL
Prep Date:	05/25/2011 1627				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	~~22000~~	E (5000)	33	80
Toluene	~~11000~~	E (5000)	41	80
Ethylbenzene	4000		59	80
m-Xylene & p-Xylene	3200		53	160
o-Xylene	1700		61	80
Xylenes, Total	4900		53	160
Surrogate	%Rec	Qualifier	Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)	76		66 - 137	
Toluene-d8 (Surr)	97		71 - 126	
4-Bromofluorobenzene (Surr)	111		73 - 120	

Emm
7/18/11

Analytical Data

Client: META Environmental

Job Number: 480-5072-1

Client Sample ID: DW-1R

Lab Sample ID: 480-5072-1

Client Matrix: Water

Date Sampled: 05/17/2011 1410

Date Received: 05/18/2011 1650

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-17555	Instrument ID:	HP5973P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P2810.D
Dilution:	500			Initial Weight/Volume:	5 mL
Analysis Date:	05/25/2011 2350	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	05/25/2011 2350				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	39000		210	500
Toluene	12000		260	500
Ethylbenzene	4100		370	500
m-Xylene & p-Xylene	3200		330	1000
o-Xylene	1500		380	500
Xylenes, Total	4700		330	1000

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	81		66 - 137
Toluene-d8 (Surr)	95		71 - 126
4-Bromofluorobenzene (Surr)	108		73 - 120

END
7/19/11

Analytical Data

Client: META Environmental

Job Number: 480-5072-1

Client Sample ID: MW-3DR

Lab Sample ID: 480-5072-2

Client Matrix: Water

Date Sampled: 05/18/2011 1120

Date Received: 05/18/2011 1650

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Prep Method: 5030B

Dilution: 8.0

Analysis Date: 05/25/2011 1652

Prep Date: 05/25/2011 1652

Analysis Batch: 480-17444

Prep Batch: N/A

Instrument ID: HP5973P

Lab File ID: P2795.D

Initial Weight/Volume: 5 mL

Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	2700 ~~1800~~	E (Hox)	3.3	8.0
Toluene	460		4.1	8.0
Ethylbenzene	1800 ~~1300~~	E (Hox)	5.9	8.0
m-Xylene & p-Xylene	430		5.3	16
o-Xylene	350		6.1	8.0
Xylenes, Total	780		5.3	16
Surrogate	%Rec	Qualifier	Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)	77		66 - 137	
Toluene-d8 (Surr)	97		71 - 126	
4-Bromofluorobenzene (Surr)	112		73 - 120	

EPA
7/6/11

Analytical Data

Client: META Environmental

Job Number: 480-5072-1

Client Sample ID: MW-3DR

Lab Sample ID: 480-5072-2

Client Matrix: Water

Date Sampled: 05/18/2011 1120

Date Received: 05/18/2011 1650

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-17555	Instrument ID:	HP5973P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P2811 D
Dilution:	40			Initial Weight/Volume:	5 mL
Analysis Date:	05/26/2011 0015	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	05/26/2011 0015				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	2700		16	40
Toluene	490		20	40
Ethylbenzene	1800		30	40
m-Xylene & p-Xylene	450		26	80
o-Xylene	350		30	40
Xylenes, Total	800		26	80

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	81		66 - 137
Toluene-d8 (Surr)	95		71 - 126
4-Bromofluorobenzene (Surr)	111		73 - 120

Emm
7/18/11

Analytical Data

Client: META Environmental

Job Number: 480-5072-1

Client Sample ID: MW-3DR DUP

Lab Sample ID: 480-5072-3

Client Matrix: Water

Date Sampled: 05/18/2011 1120

Date Received: 05/18/2011 1650

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Prep Method: 5030B

Dilution: 10

Analysis Date: 05/25/2011 1717

Prep Date: 05/25/2011 1717

Analysis Batch: 480-17444

Prep Batch: N/A

Instrument ID: HP5973P

Lab File ID: P2796.D

Initial Weight/Volume: 5 mL

Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	2100 ~~1900~~	E- (Max)	4.1	10
Toluene	420		5.1	10
Ethylbenzene	1300 ~~1300~~	E- (Max)	7.4	10
m-Xylene & p-Xylene	370		6.6	20
o-Xylene	310		7.6	10
Xylenes, Total	680		6.6	20
Surrogate	%Rec	Qualifier	Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)	79		66 - 137	
Toluene-d8 (Surr)	96		71 - 126	
4-Bromofluorobenzene (Surr)	111		73 - 120	

Enr
7/18/11

Analytical Data

Client: META Environmental

Job Number: 480-5072-1

Client Sample ID: MW-3DR DUP

Lab Sample ID: 480-5072-3

Client Matrix: Water

Date Sampled: 05/18/2011 1120

Date Received: 05/18/2011 1650

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-17555	Instrument ID:	HP5973P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P2812.D
Dilution:	40			Initial Weight/Volume:	5 mL
Analysis Date:	05/26/2011 0040	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	05/26/2011 0040				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	2800		16	40
Toluene	500		20	40
Ethylbenzene	1800		30	40
m-Xylene & p-Xylene	450		26	80
o-Xylene	350		30	40
Xylenes, Total	800		26	80

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	82		66 - 137
Toluene-d8 (Surr)	96		71 - 126
4-Bromofluorobenzene (Surr)	112		73 - 120

Em
7/18/11

Client: META Environmental

Analytical Data

Job Number: 480-5072-1

Client Sample ID: DW-3R

Lab Sample ID: 480-5072-4

Client Matrix: Water

Date Sampled: 05/18/2011 1410

Date Received: 05/18/2011 1650

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B
Prep Method: 5030B
Dilution: 25
Analysis Date: 05/25/2011 1742
Prep Date: 05/25/2011 1742

Analysis Batch: 480-17444
Prep Batch: N/A

Instrument ID: HP5973P
Lab File ID: P2797.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	~~6600~~ 11000	E (200x)	10	25
Toluene	2300		13	25
Ethylbenzene	2400		19	25
m-Xylene & p-Xylene	1900		17	50
o-Xylene	1100		19	25
Xylenes, Total	3000		17	50
Surrogate	%Rec	Qualifier	Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)	75		66 - 137	
Toluene-d8 (Surr)	96		71 - 126	
4-Bromofluorobenzene (Surr)	111		73 - 120	

Em
7/18/11

Analytical Data

Client: META Environmental

Job Number: 480-5072-1

Client Sample ID: DW-3R

Lab Sample ID: 480-5072-4

Client Matrix: Water

Date Sampled: 05/18/2011 1410

Date Received: 05/18/2011 1650

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-17618	Instrument ID:	HP5973P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P2835.D
Dilution:	200			Initial Weight/Volume:	5 mL
Analysis Date:	05/26/2011 1209	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	05/26/2011 1209				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	11000		82	200
Toluene	2100		100	200
Ethylbenzene	2200		150	200
m-Xylene & p-Xylene	1600		130	400
o-Xylene	830		150	200
Xylenes, Total	2400		130	400

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	84		66 - 137
Toluene-d8 (Surr)	93		71 - 126
4-Bromofluorobenzene (Surr)	107		73 - 120

Emm
7/18/11

Client: META Environmental

Analytical Data

Job Number: 480-5072-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-5072-5TB

Client Matrix: Water

Date Sampled: 05/18/2011 0000

Date Received: 05/18/2011 1650

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Prep Method: 5030B

Dilution: 1.0

Analysis Date: 05/26/2011 0130

Prep Date: 05/26/2011 0130

Analysis Batch: 480-17555

Prep Batch: N/A

Instrument ID: HP5973P

Lab File ID: P2814.D

Initial Weight/Volume: 5 mL

Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	0.44	J J	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)	82		66 - 137
Toluene-d8 (Surr)	96		71 - 126
4-Bromofluorobenzene (Surr)	109		73 - 120

Exm
7/18/11

Analytical Data

Client: META Environmental

Job Number: 480-5072-1

Client Sample ID: MW-8DR

Lab Sample ID: 480-5174-1

Client Matrix: Water

Date Sampled: 05/18/2011 1520

Date Received: 05/20/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-17553	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N7892.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/26/2011 0105			Final Weight/Volume:	5 mL
Prep Date:	05/26/2011 0105				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	~~4600~~ 23000	E (4600)	2.1	5.0
Toluene	64		2.6	5.0
Ethylbenzene	~~760~~ 740	E (4600)	3.7	5.0
m-Xylene & p-Xylene	300		3.3	10
o-Xylene	300		3.8	5.0
Xylenes, Total	600		3.3	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	77		66 - 137
Toluene-d8 (Surr)	106		71 - 126
4-Bromofluorobenzene (Surr)	100		73 - 120

Emm
7/18/11

Analytical Data

Client: META Environmental

Job Number: 480-5072-1

Client Sample ID: MW-8DR

Lab Sample ID: 480-5174-1

Client Matrix: Water

Date Sampled: 05/18/2011 1520

Date Received: 05/20/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-17745	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N7938.D
Dilution:	400			Initial Weight/Volume:	5 mL
Analysis Date:	05/27/2011 0224	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	05/27/2011 0224				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	23000		160	400
Toluene	ND		200	400
Ethylbenzene	740		300	400
m-Xylene & p-Xylene	ND		260	800
o-Xylene	ND		300	400
Xylenes, Total	ND		260	800

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107		66 - 137
Toluene-d8 (Surr)	106		71 - 126
4-Bromofluorobenzene (Surr)	96		73 - 120

EMM
7/18/11

Analytical Data

Client: META Environmental

Job Number: 480-5072-1

Client Sample ID: EQUIPMENT BLANK

Lab Sample ID: 480-5174-2

Client Matrix: Water

Date Sampled: 05/18/2011 1700

Date Received: 05/20/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-17553	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N7893.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/26/2011 0128			Final Weight/Volume:	5 mL
Prep Date:	05/26/2011 0128				

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)	102		66 - 137
Toluene-d8 (Surr)	105		71 - 126
4-Bromofluorobenzene (Surr)	95		73 - 120

Emm
7/18/11

Analytical Data

Client: META Environmental

Job Number: 480-5072-1

Client Sample ID: TRIP BLANK
 Lab Sample ID: 480-5174-3TB
 Client Matrix: Water

Date Sampled: 05/18/2011 0000
 Date Received: 05/20/2011 0930

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-17630	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N7905.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/26/2011 1237			Final Weight/Volume:	5 mL
Prep Date:	05/26/2011 1237				

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)	106		66 - 137
Toluene-d8 (Surr)	107		71 - 126
4-Bromofluorobenzene (Surr)	97		73 - 120

Enm
7/18/11

Analytical Data

Client: META Environmental

Job Number: 480-5072-1

Client Sample ID: DW-1R

Lab Sample ID: 480-5072-1

Client Matrix: Water

Date Sampled: 05/17/2011 1410

Date Received: 05/18/2011 1650

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-17774	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-17193	Lab File ID:	W0451.D
Dilution:	1.0			Initial Weight/Volume:	1040 mL
Analysis Date:	05/27/2011 1330			Final Weight/Volume:	1 mL
Prep Date:	05/23/2011 1726			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	120		0.39	4.8
Acenaphthylene	11		0.37	4.8
Anthracene	7.4		0.27	4.8
Benz(a)anthracene	ND		0.35	4.8
Benzo(a)pyrene	ND		0.45	4.8
Benzo(b)fluoranthene	ND		0.33	4.8
Benzo(g,h,i)perylene	ND		0.34	4.8
Benzo(k)fluoranthene	ND		0.70	4.8
Chrysene	ND		0.32	4.8
Dibenz(a,h)anthracene	ND		0.40	4.8
Fluoranthene	2.5	J J	0.38	4.8
Fluorene	38		0.35	4.8
Indeno(1,2,3-c,d)pyrene	ND		0.45	4.8
Naphthalene	4300 1800	E (50x)	0.73	4.8
Phenanthrene	42		0.42	4.8
Pyrene	2.9	J J	0.33	4.8
2-Methylnaphthalene	460 500	E (50x)	0.58	4.8

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	94		46 - 120
2-Fluorobiphenyl	98		48 - 120
p-Terphenyl-d14	104		24 - 136

Enr
7/19/11

Analytical Data

Client: META Environmental

Job Number: 480-5072-1

Client Sample ID: DW-1R

Lab Sample ID: 480-5072-1

Client Matrix: Water

Date Sampled: 05/17/2011 1410

Date Received: 05/18/2011 1650

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-18006	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-17193	Lab File ID:	W0474.D
Dilution:	50			Initial Weight/Volume:	1040 mL
Analysis Date:	05/31/2011 0857	Run Type:	DL	Final Weight/Volume:	1 mL
Prep Date:	05/23/2011 1726			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	100	J	20	240
Acenaphthylene	ND		18	240
Anthracene	ND		13	240
Benz(a)anthracene	ND		17	240
Benzo(a)pyrene	ND		23	240
Benzo(b)fluoranthene	ND		16	240
Benzo(g,h,i)perylene	ND		17	240
Benzo(k)fluoranthene	ND		35	240
Chrysene	ND		16	240
Dibenz(a,h)anthracene	ND		20	240
Fluoranthene	ND		19	240
Fluorene	28	J	17	240
Indeno(1,2,3-c,d)pyrene	ND		23	240
Naphthalene	4300		37	240
Phenanthrene	36	J	21	240
Pyrene	ND		16	240
2-Methylnaphthalene	460		29	240

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	64		46 - 120
2-Fluorobiphenyl	81		48 - 120
p-Terphenyl-d14	92		24 - 136

Emm
7/15/11

Analytical Data

Client: META Environmental

Job Number: 480-5072-1

Client Sample ID: MW-3DR

Lab Sample ID: 480-5072-2

Client Matrix: Water

Date Sampled: 05/18/2011 1120

Date Received: 05/18/2011 1650

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-17774	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-17193	Lab File ID:	W0452.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	05/27/2011 1353			Final Weight/Volume:	1 mL
Prep Date:	05/23/2011 1726			Injection Volume:	1 µL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	55		0.39	4.7
Acenaphthylene	16		0.36	4.7
Anthracene	1.1	J I	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	9.5		0.34	4.7
Indeno(1,2,3-c,d)pyrene	ND		0.44	4.7
Naphthalene	710	E (10x)	0.72	4.7
Phenanthrene	7.1		0.42	4.7
Pyrene	ND		0.32	4.7
2-Methylnaphthalene	53		0.57	4.7

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	79		46 - 120
2-Fluorobiphenyl	92		48 - 120
p-Terphenyl-d14	98		24 - 136

Em
7/18/11

Analytical Data

Client: META Environmental

Job Number: 480-5072-1

Client Sample ID: MW-3DR

Lab Sample ID: 480-5072-2

Client Matrix: Water

Date Sampled: 05/18/2011 1120

Date Received: 05/18/2011 1650

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-18006	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-17193	Lab File ID:	W0475.D
Dilution:	10			Initial Weight/Volume:	1060 mL
Analysis Date:	05/31/2011 0921	Run Type:	DL	Final Weight/Volume:	1 mL
Prep Date:	05/23/2011 1726			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	44	J	3.9	47
Acenaphthylene	10	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	6.5	J	3.4	47
Indeno(1,2,3-c,d)pyrene	ND		4.4	47
Naphthalene	930		7.2	47
Phenanthrene	5.1	J	4.2	47
Pyrene	ND		3.2	47
2-Methylnaphthalene	43	J	5.7	47

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	63		46 - 120
2-Fluorobiphenyl	78		48 - 120
p-Terphenyl-d14	86		24 - 136

EM
7/18/11

Analytical Data

Client: META Environmental

Job Number: 480-5072-1

Client Sample ID: MW-3DR DUP

Lab Sample ID: 480-5072-3

Client Matrix: Water

Date Sampled: 05/18/2011 1120

Date Received: 05/18/2011 1650

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-17774	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-17193	Lab File ID:	W0453.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Analysis Date:	05/27/2011 1553			Final Weight/Volume:	1 mL
Prep Date:	05/23/2011 1726			Injection Volume:	1 µL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	53		0.39	4.7
Acenaphthylene	14		0.36	4.7
Anthracene	0.93	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	8.8		0.34	4.7
Indeno(1,2,3-c,d)pyrene	ND		0.44	4.7
Naphthalene	940 690	E (10x)	0.72	4.7
Phenanthrene	6.6		0.42	4.7
Pyrene	ND		0.32	4.7
2-Methylnaphthalene	52		0.57	4.7

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	81		46 - 120
2-Fluorobiphenyl	92		48 - 120
p-Terphenyl-d14	98		24 - 136

Emm
7/18/11

Analytical Data

Client: META Environmental

Job Number: 480-5072-1

Client Sample ID: MW-3DR DUP

Lab Sample ID: 480-5072-3

Client Matrix: Water

Date Sampled: 05/18/2011 1120

Date Received: 05/18/2011 1650

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-18006	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-17193	Lab File ID:	W0476.D
Dilution:	10			Initial Weight/Volume:	1060 mL
Analysis Date:	05/31/2011 0944	Run Type:	DL	Final Weight/Volume:	1 mL
Prep Date:	05/23/2011 1726			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	44	J	3.9	47
Acenaphthylene	10	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	6.5	J	3.4	47
Indeno(1,2,3-c,d)pyrene	ND		4.4	47
Naphthalene	940		7.2	47
Phenanthrene	5.1	J	4.2	47
Pyrene	ND		3.2	47
2-Methylnaphthalene	43	J	5.7	47

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	64		46 - 120
2-Fluorobiphenyl	77		48 - 120
p-Terphenyl-d14	85		24 - 136

EMM
7/18/11

Analytical Data

Client: META Environmental

Job Number: 480-5072-1

Client Sample ID: DW-3R

Lab Sample ID: 480-5072-4

Client Matrix: Water

Date Sampled: 05/18/2011 1410

Date Received: 05/18/2011 1650

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-17774	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-17193	Lab File ID:	W0454.D
Dilution:	10			Initial Weight/Volume:	970 mL
Analysis Date:	05/27/2011 1616			Final Weight/Volume:	1 mL
Prep Date:	05/23/2011 1726			Injection Volume:	1 µL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	200		4.2	52
Acenaphthylene	39	J J	3.9	52
Anthracene	19	J J	2.9	52
Benz(a)anthracene	5.0	J J	3.7	52
Benzo(a)pyrene	ND		4.8	52
Benzo(b)fluoranthene	ND		3.5	52
Benzo(g,h,i)perylene	ND		3.6	52
Benzo(k)fluoranthene	ND		7.5	52
Chrysene	3.5	J J	3.4	52
Dibenz(a,h)anthracene	ND		4.3	52
Fluoranthene	11	J J	4.1	52
Fluorene	67		3.7	52
Indeno(1,2,3-c,d)pyrene	ND		4.8	52
Naphthalene	5500 4900	E (SOX)	7.8	52
Phenanthrene	84		4.5	52
Pyrene	17	J J	3.5	52
2-Methylnaphthalene	860		6.2	52
Surrogate	%Rec	Qualifier	Acceptance Limits	
Nitrobenzene-d5	83		46 - 120	
2-Fluorobiphenyl	90		48 - 120	
p-Terphenyl-d14	95		24 - 136	

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7/6/11

Analytical Data

Client: META Environmental

Job Number: 480-5072-1

Client Sample ID: DW-3R

Lab Sample ID: 480-5072-4

Client Matrix: Water

Date Sampled: 05/18/2011 1410

Date Received: 05/18/2011 1650

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-18006	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-17193	Lab File ID:	W0477.D
Dilution:	50			Initial Weight/Volume:	970 mL
Analysis Date:	05/31/2011 1007	Run Type:	DL	Final Weight/Volume:	1 mL
Prep Date:	05/23/2011 1726			Injection Volume:	1 µL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	180	J	21	260
Acenaphthylene	32	J	20	260
Anthracene	14	J	14	260
Benz(a)anthracene	ND		19	260
Benzo(a)pyrene	ND		24	260
Benzo(b)fluoranthene	ND		18	260
Benzo(g,h,i)perylene	ND		18	260
Benzo(k)fluoranthene	ND		38	260
Chrysene	ND		17	260
Dibenz(a,h)anthracene	ND		22	260
Fluoranthene	ND		21	260
Fluorene	54	J	19	260
Indeno(1,2,3-c,d)pyrene	ND		24	260
Naphthalene	5500		39	260
Phenanthrene	71	J	23	260
Pyrene	ND		18	260
2-Methylnaphthalene	790		31	260

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	68		46 - 120
2-Fluorobiphenyl	74		48 - 120
p-Terphenyl-d14	77		24 - 136

EMM
7/18/11

Analytical Data

Client: META Environmental

Job Number: 480-5072-1

Client Sample ID: MW-8DR

Lab Sample ID: 480-5174-1

Client Matrix: Water

Date Sampled: 05/18/2011 1520

Date Received: 05/20/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-17611	Instrument ID:	HP5973V
Prep Method:	3510C	Prep Batch:	480-17443	Lab File ID:	V0656.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Analysis Date:	05/26/2011 1237			Final Weight/Volume:	1 mL
Prep Date:	05/25/2011 0846			Injection Volume:	1 µL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	160		0.41	5.0
Acenaphthylene	4.1	J J	0.38	5.0
Anthracene	5.6		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	0.47	J J	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	1.1	J J	0.40	5.0
Fluorene	39		0.36	5.0
Indeno(1,2,3-c,d)pyrene	ND		0.47	5.0
Naphthalene	4600 1400	E (50x)	0.76	5.0
Phenanthrene	29		0.44	5.0
Pyrene	1.2	J J	0.34	5.0
2-Methylnaphthalene	570 490	E (50x)	0.60	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	84		46 - 120
2-Fluorobiphenyl	95		48 - 120
p-Terphenyl-d14	96		24 - 136

Emm
7/18/11

Analytical Data

Client: META Environmental

Job Number: 480-5072-1

Client Sample ID: MW-8DR

Lab Sample ID: 480-5174-1

Client Matrix: Water

Date Sampled: 05/18/2011 1520

Date Received: 05/20/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-17775	Instrument ID:	HP5973V
Prep Method:	3510C	Prep Batch:	480-17443	Lab File ID:	V0696.D
Dilution:	50			Initial Weight/Volume:	1000 mL
Analysis Date:	05/27/2011 0920	Run Type:	DL	Final Weight/Volume:	1 mL
Prep Date:	05/25/2011 0846			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	160	J	21	250
Acenaphthylene	ND		19	250
Anthracene	ND		14	250
Benz(a)anthracene	ND		18	250
Benzo(a)pyrene	ND		24	250
Benzo(b)fluoranthene	ND		17	250
Benzo(g,h,i)perylene	ND		18	250
Benzo(k)fluoranthene	ND		37	250
Chrysene	ND		17	250
Dibenz(a,h)anthracene	ND		21	250
Fluoranthene	ND		20	250
Fluorene	32	J	18	250
Indeno(1,2,3-c,d)pyrene	ND		24	250
Naphthalene	4600		38	250
Phenanthrene	26	J	22	250
Pyrene	ND		17	250
2-Methylnaphthalene	570		30	250

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	64		46 - 120
2-Fluorobiphenyl	92		48 - 120
p-Terphenyl-d14	86		24 - 136

EMM
7/6/11

Analytical Data

Client: META Environmental

Job Number: 480-5072-1

Client Sample ID: EQUIPMENT BLANK

Lab Sample ID: 480-5174-2

Client Matrix: Water

Date Sampled: 05/18/2011 1700

Date Received: 05/20/2011 0930

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-17611	Instrument ID:	HP5973V
Prep Method:	3510C	Prep Batch:	480-17443	Lab File ID:	V0657.D
Dilution:	1.0			Initial Weight/Volume:	1020 mL
Analysis Date:	05/26/2011 1301			Final Weight/Volume:	1 mL
Prep Date:	05/25/2011 0846			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	ND		0.40	4.9
Acenaphthylene	ND		0.37	4.9
Anthracene	ND		0.27	4.9
Benz(a)anthracene	ND		0.35	4.9
Benzo(a)pyrene	ND		0.46	4.9
Benzo(b)fluoranthene	ND		0.33	4.9
Benzo(g,h,i)perylene	ND		0.34	4.9
Benzo(k)fluoranthene	ND		0.72	4.9
Chrysene	ND		0.32	4.9
Dibenz(a,h)anthracene	ND		0.41	4.9
Fluoranthene	ND		0.39	4.9
Fluorene	ND		0.35	4.9
Indeno(1,2,3-c,d)pyrene	ND		0.46	4.9
Naphthalene	2.6	J	0.75	4.9
Phenanthrene	ND		0.43	4.9
Pyrene	ND		0.33	4.9
2-Methylnaphthalene	ND		0.59	4.9

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	76		46 - 120
2-Fluorobiphenyl	84		48 - 120
p-Terphenyl-d14	116		24 - 136

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7/18/11

Analytical Data

Client: META Environmental

Job Number: 480-5072-1

General Chemistry

Client Sample ID: DW-1R

Lab Sample ID: 480-5072-1

Client Matrix: Water

Date Sampled: 05/17/2011 1410

Date Received: 05/18/2011 1650

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
~~Cyanide, Total~~	~~0.65~~		~~mg/L~~	~~0.0050~~	~~0.010~~	~~1.0~~	~~9012A~~
	Analysis Batch: 480-17770	Analysis Date: 05/26/2011 1122					
	Prep Batch: 480-17566	Prep Date: 05/25/2011 1635					
Cyanide, Total	0.85	J H	mg/L	0.025	0.050	5.0	9012A
Run Type: RA	Analysis Batch: 480-18601	Analysis Date: 06/03/2011 1534					
	Prep Batch: 480-18302	Prep Date: 06/01/2011 1830					

Do not report

*dam
7/18/11*

Analytical Data

Client: META Environmental

Job Number: 480-5072-1

General Chemistry

Client Sample ID: MW-3DR

Lab Sample ID: 480-5072-2

Client Matrix: Water

Date Sampled: 05/18/2011 1120

Date Received: 05/18/2011 1650

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	2.9	J	mg/L	0.050	0.10	10	9012A

Analysis Batch: 480-18601 Analysis Date: 06/03/2011 1535
Prep Batch: 480-18302 Prep Date: 06/01/2011 1830

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7/12/11

Analytical Data

Client: META Environmental

Job Number: 480-5072-1

General Chemistry

Client Sample ID: MW-3DR DUP

Lab Sample ID: 480-5072-3

Client Matrix: Water

Date Sampled: 05/18/2011 1120

Date Received: 05/18/2011 1650

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	1.1	J	mg/L	0.025	0.050	5.0	9012A

Analysis Batch: 480-18601

Analysis Date: 06/03/2011 1535

Prep Batch: 480-18302

Prep Date: 06/01/2011 1830

Jan
7/18/11

Analytical Data

Client: META Environmental

Job Number: 480-5072-1

General Chemistry

Client Sample ID: DW-3R

Lab Sample ID: 480-5072-4

Client Matrix: Water

Date Sampled: 05/18/2011 1410

Date Received: 05/18/2011 1650

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.37		mg/L	0.0050	0.010	1.0	9012A

Analysis Batch: 480-17770 Analysis Date: 05/26/2011 1123
Prep Batch: 480-17566 Prep Date: 05/25/2011 1635

Jan
7/18/11

Analytical Data

Client: META Environmental

Job Number: 480-5072-1

General Chemistry

Client Sample ID: MW-8DR

Lab Sample ID: 480-5174-1

Client Matrix: Water

Date Sampled: 05/18/2011 1520

Date Received: 05/20/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.065		mg/L	0.0050	0.010	1.0	9012A

Analysis Batch: 480-17770 Analysis Date: 05/26/2011 1102
Prep Batch: 480-17546 Prep Date: 05/25/2011 1200

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7/18/11

Analytical Data

Client: META Environmental

Job Number: 480-5072-1

General Chemistry

Client Sample ID: EQUIPMENT BLANK

Lab Sample ID: 480-5174-2

Date Sampled: 05/18/2011 1700

Client Matrix: Water

Date Received: 05/20/2011 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	ND		mg/L	0.0050	0.010	1.0	9012A

Analysis Batch: 480-17770

Analysis Date: 05/26/2011 1102

Prep Batch: 480-17546

Prep Date: 05/25/2011 1200

Jan 7/18/11

Client: META Environmental

Job Number: 480-5072-1

Surrogate Recovery Report**8260B Volatile Organic Compounds (GC/MS)****Client Matrix: Water**

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
480-5072-1	DW-1R	76	97	111
480-5072-1 DL	DW-1R DL	81	95	108
480-5072-2	MW-3DR	77	97	112
480-5072-2 DL	MW-3DR DL	81	95	111
480-5072-3	MW-3DR DUP	79	96	111
480-5072-3 DL	MW-3DR DUP DL	82	96	112
480-5072-4	DW-3R	75	96	111
480-5072-4 DL	DW-3R DL	84	93	107
480-5072-5	TRIP BLANK	82	96	109
480-5174-1	MW-8DR	77	106	100
480-5174-1 DL	MW-8DR DL	107	106	96
480-5174-2	EQUIPMENT BLANK	102	105	95
480-5174-3	TRIP BLANK	106	107	97
MB 480-17444/4		80	97	109
MB 480-17553/4		102	106	97
MB 480-17555/4		82	94	110
MB 480-17618/4		83	94	108
MB 480-17630/4		105	107	97
MB 480-17745/4		106	107	97
LCS 480-17444/3		79	97	110
LCS 480-17553/3		102	106	98
LCS 480-17555/3		80	95	109
LCS 480-17618/3		84	96	109
LCS 480-17630/3		105	107	98
LCS 480-17745/3		106	108	99
480-5072-4 MS	DW-3R MS	89	93	108
480-5072-4 MSD	DW-3R MSD	87	93	107

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: 480-5072-1

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

Lab Sample ID	Client Sample ID	NBZ %Rec	FBP %Rec	TPH %Rec
480-5072-1	DW-1R	94	98	104
480-5072-1 DL	DW-1R DL	64	81	92
480-5072-2	MW-3DR	79	92	98
480-5072-2 DL	MW-3DR DL	63	78	86
480-5072-3	MW-3DR DUP	81	92	98
480-5072-3 DL	MW-3DR DUP DL	64	77	85
480-5072-4	DW-3R	83	90	95
480-5072-4 DL	DW-3R DL	68	74	77
480-5174-1	MW-8DR	84	95	96
480-5174-1 DL	MW-8DR DL	64	92	86
480-5174-2	EQUIPMENT BLANK	76	84	116
MB 480-17193/1-A		77	82	103
MB 480-17443/1-A		79	86	121
LCS 480-17193/2-A		79	87	111
LCS 480-17443/2-A		92	95	121

Surrogate	Acceptance Limits
NBZ = Nitrobenzene-d5	46-120
FBP = 2-Fluorobiphenyl	48-120
TPH = p-Terphenyl-d14	24-136

Quality Control Results

Client: META Environmental

Job Number: 480-5072-1

Method Blank - Batch: 480-17444

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 480-17444/4	Analysis Batch:	480-17444	Instrument ID:	HP5973P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P2786.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/25/2011 1249	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	05/25/2011 1249				
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)	80	66 - 137
Toluene-d8 (Surr)	97	71 - 126
4-Bromofluorobenzene (Surr)	109	73 - 120

Lab Control Sample - Batch: 480-17444

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 480-17444/3	Analysis Batch:	480-17444	Instrument ID:	HP5973P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P2785.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/25/2011 1224	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	05/25/2011 1224				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	25.0	24.2	97	71 - 124	
Toluene	25.0	25.9	104	70 - 122	
Ethylbenzene	25.0	26.4	106	77 - 123	
m-Xylene & p-Xylene	50.0	52.2	104	76 - 122	
o-Xylene	25.0	27.6	110	76 - 122	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	79	66 - 137
Toluene-d8 (Surr)	97	71 - 126
4-Bromofluorobenzene (Surr)	110	73 - 120

Quality Control Results

Client: META Environmental

Job Number: 480-5072-1

Method Blank - Batch: 480-17553

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 480-17553/4	Analysis Batch: 480-17553	Instrument ID: HP5973N
Client Matrix: Water	Prep Batch: N/A	Lab File ID: N7888.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 05/25/2011 2251	Units: ug/L	Final Weight/Volume: 5 mL
Prep Date: 05/25/2011 2251		
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)	102	66 - 137
Toluene-d8 (Surr)	106	71 - 126
4-Bromofluorobenzene (Surr)	97	73 - 120

Lab Control Sample - Batch: 480-17553

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 480-17553/3	Analysis Batch: 480-17553	Instrument ID: HP5973N
Client Matrix: Water	Prep Batch: N/A	Lab File ID: N7887.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 05/25/2011 2228	Units: ug/L	Final Weight/Volume: 5 mL
Prep Date: 05/25/2011 2228		
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	25.0	25.2	101	71 - 124	
Toluene	25.0	26.2	105	70 - 122	
Ethylbenzene	25.0	26.7	107	77 - 123	
m-Xylene & p-Xylene	50.0	53.5	107	76 - 122	
o-Xylene	25.0	26.6	106	76 - 122	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102	66 - 137
Toluene-d8 (Surr)	106	71 - 126
4-Bromofluorobenzene (Surr)	98	73 - 120

Quality Control Results

Client: META Environmental

Job Number: 480-5072-1

Method Blank - Batch: 480-17555

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 480-17555/4	Analysis Batch:	480-17555	Instrument ID:	HP5973P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P2809.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/25/2011 2258	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	05/25/2011 2258				
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)	82	66 - 137
Toluene-d8 (Surr)	94	71 - 126
4-Bromofluorobenzene (Surr)	110	73 - 120

Lab Control Sample - Batch: 480-17555

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 480-17555/3	Analysis Batch:	480-17555	Instrument ID:	HP5973P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P2808.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/25/2011 2233	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	05/25/2011 2233				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	25.0	26.2	105	71 - 124	
Toluene	25.0	28.0	112	70 - 122	
Ethylbenzene	25.0	28.7	115	77 - 123	
m-Xylene & p-Xylene	50.0	56.8	114	76 - 122	
o-Xylene	25.0	29.8	119	76 - 122	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	80	66 - 137
Toluene-d8 (Surr)	95	71 - 126
4-Bromofluorobenzene (Surr)	109	73 - 120

Quality Control Results

Client: META Environmental

Job Number: 480-5072-1

Method Blank - Batch: 480-17618

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 480-17618/4	Analysis Batch:	480-17618	Instrument ID:	HP5973P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P2834.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/26/2011 1129	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	05/26/2011 1129				
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)	83	66 - 137
Toluene-d8 (Surr)	94	71 - 126
4-Bromofluorobenzene (Surr)	108	73 - 120

Lab Control Sample - Batch: 480-17618

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 480-17618/3	Analysis Batch:	480-17618	Instrument ID:	HP5973P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P2833.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/26/2011 1104	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	05/26/2011 1104				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	25.0	25.5	102	71 - 124	
Toluene	25.0	27.5	110	70 - 122	
Ethylbenzene	25.0	28.0	112	77 - 123	
m-Xylene & p-Xylene	50.0	56.0	112	76 - 122	
o-Xylene	25.0	29.1	116	76 - 122	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	84	66 - 137
Toluene-d8 (Surr)	96	71 - 126
4-Bromofluorobenzene (Surr)	109	73 - 120

Quality Control Results

Client: META Environmental

Job Number: 480-5072-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-17618**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID:	480-5072-4	Analysis Batch:	480-17618	Instrument ID:	HP5973P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P2852.D
Dilution:	200	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/26/2011 1912			Final Weight/Volume:	5 mL
Prep Date:	05/26/2011 1912				
Leach Date:	N/A				

MSD Lab Sample ID:	480-5072-4	Analysis Batch:	480-17618	Instrument ID:	HP5973P
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	P2853.D
Dilution:	200	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/26/2011 1937			Final Weight/Volume:	5 mL
Prep Date:	05/26/2011 1937				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	92	78	71 - 124	4	13		
Toluene	111	103	70 - 122	5	15		
Ethylbenzene	117	110	77 - 123	5	15		
m-Xylene & p-Xylene	116	110	76 - 122	5	16		
o-Xylene	121	117	76 - 122	4	16		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
1,2-Dichloroethane-d4 (Surr)	89		87	66 - 137			
Toluene-d8 (Surr)	93		93	71 - 126			
4-Bromofluorobenzene (Surr)	108		107	73 - 120			

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-17618**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID:	480-5072-4	Units:	ug/L	MSD Lab Sample ID:	480-5072-4
Client Matrix:	Water			Client Matrix:	Water
Dilution:	200			Dilution:	200
Analysis Date:	05/26/2011 1912			Analysis Date:	05/26/2011 1937
Prep Date:	05/26/2011 1912			Prep Date:	05/26/2011 1937
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Benzene	11000	5000	5000	16000	15300
Toluene	2100	5000	5000	7600	7220
Ethylbenzene	2200	5000	5000	8060	7700
m-Xylene & p-Xylene	1600	10000	10000	13200	12600
o-Xylene	830	5000	5000	6900	6660

Quality Control Results

Client: META Environmental

Job Number: 480-5072-1

Method Blank - Batch: 480-17630

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 480-17630/4	Analysis Batch:	480-17630	Instrument ID:	HP5973N
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N7903.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/26/2011 1141	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	05/26/2011 1141				
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)	105	66 - 137
Toluene-d8 (Surr)	107	71 - 126
4-Bromofluorobenzene (Surr)	97	73 - 120

Lab Control Sample - Batch: 480-17630

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 480-17630/3	Analysis Batch:	480-17630	Instrument ID:	HP5973N
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N7902.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/26/2011 1118	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	05/26/2011 1118				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	25.0	23.8	95	71 - 124	
Toluene	25.0	24.8	99	70 - 122	
Ethylbenzene	25.0	25.1	100	77 - 123	
m-Xylene & p-Xylene	50.0	50.6	101	76 - 122	
o-Xylene	25.0	25.2	101	76 - 122	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105	66 - 137
Toluene-d8 (Surr)	107	71 - 126
4-Bromofluorobenzene (Surr)	98	73 - 120

Quality Control Results

Client: META Environmental

Job Number: 480-5072-1

Method Blank - Batch: 480-17745

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 480-17745/4	Analysis Batch:	480-17745	Instrument ID:	HP5973N
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N7929.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/26/2011 2225	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	05/26/2011 2225				
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)	106	66 - 137
Toluene-d8 (Surr)	107	71 - 126
4-Bromofluorobenzene (Surr)	97	73 - 120

Lab Control Sample - Batch: 480-17745

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 480-17745/3	Analysis Batch:	480-17745	Instrument ID:	HP5973N
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N7928.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/26/2011 2202	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	05/26/2011 2202				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	25.0	25.2	101	71 - 124	
Toluene	25.0	25.3	101	70 - 122	
Ethylbenzene	25.0	25.8	103	77 - 123	
m-Xylene & p-Xylene	50.0	50.7	101	76 - 122	
o-Xylene	25.0	25.3	101	76 - 122	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106	66 - 137
Toluene-d8 (Surr)	108	71 - 126
4-Bromofluorobenzene (Surr)	99	73 - 120

Quality Control Results

Client: META Environmental

Job Number: 480-5072-1

Method Blank - Batch: 480-17193

Method: 8270C
Preparation: 3510C

Lab Sample ID: MB 480-17193/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 05/27/2011 1156
Prep Date: 05/23/2011 1726
Leach Date: N/A

Analysis Batch: 480-17774
Prep Batch: 480-17193
Leach Batch: N/A
Units: ug/L

Instrument ID: HP5973W
Lab File ID: W0447.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	77	46 - 120
2-Fluorobiphenyl	82	48 - 120
p-Terphenyl-d14	103	24 - 136

Lab Control Sample - Batch: 480-17193

Method: 8270C
Preparation: 3510C

Lab Sample ID: LCS 480-17193/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 05/27/2011 1219
Prep Date: 05/23/2011 1726
Leach Date: N/A

Analysis Batch: 480-17774
Prep Batch: 480-17193
Leach Batch: N/A
Units: ug/L

Instrument ID: HP5973W
Lab File ID: W0448.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	100	86.5	87	60 - 120	
Fluorene	100	93.7	94	66 - 129	
Pyrene	100	107	107	58 - 136	

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	79	46 - 120
2-Fluorobiphenyl	87	48 - 120
p-Terphenyl-d14	111	24 - 136

Quality Control Results

Client: META Environmental

Job Number: 480-5072-1

Method Blank - Batch: 480-17443

Method: 8270C

Preparation: 3510C

Lab Sample ID: MB 480-17443/1-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 05/26/2011 1102
 Prep Date: 05/25/2011 0846
 Leach Date: N/A

Analysis Batch: 480-17611
 Prep Batch: 480-17443
 Leach Batch: N/A
 Units: ug/L

Instrument ID: HP5973V
 Lab File ID: V0652.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	79	46 - 120
2-Fluorobiphenyl	86	48 - 120
p-Terphenyl-d14	121	24 - 136

Quality Control Results

Client: META Environmental

Job Number: 480-5072-1

Lab Control Sample - Batch: 480-17443

Method: 8270C

Preparation: 3510C

Lab Sample ID: LCS 480-17443/2-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 05/26/2011 1126
 Prep Date: 05/25/2011 0846
 Leach Date: N/A

Analysis Batch: 480-17611
 Prep Batch: 480-17443
 Leach Batch: N/A
 Units: ug/L

Instrument ID: HP5973V
 Lab File ID: V0653.D
 Initial Weight/Volume: 1000 mL
 Final Weight/Volume: 1 mL
 Injection Volume: 1 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	100	87.4	87	60 - 120	
Acenaphthylene	100	90.0	90	63 - 120	
Anthracene	100	111	111	69 - 131	
Benz(a)anthracene	100	111	111	73 - 138	
Benzo(a)pyrene	100	105	105	74 - 126	
Benzo(b)fluoranthene	100	105	105	75 - 133	
Benzo(g,h,i)perylene	100	111	111	66 - 152	
Benzo(k)fluoranthene	100	105	105	75 - 133	
Chrysene	100	111	111	69 - 140	
Dibenz(a,h)anthracene	100	111	111	67 - 144	
Fluoranthene	100	114	114	67 - 133	
Fluorene	100	99.7	100	66 - 129	
Indeno(1,2,3-c,d)pyrene	100	111	111	69 - 146	
Naphthalene	100	81.3	81	48 - 120	
Phenanthrene	100	109	109	67 - 130	
Pyrene	100	110	110	58 - 136	
2-Methylnaphthalene	100	78.0	78	48 - 120	
Surrogate	% Rec		Acceptance Limits		
Nitrobenzene-d5	92		46 - 120		
2-Fluorobiphenyl	95		48 - 120		
p-Terphenyl-d14	121		24 - 136		

Quality Control Results

Client: META Environmental

Job Number: 480-5072-1

Method Blank - Batch: 480-17546

Method: 9012A Preparation: 9012A

Lab Sample ID: MB 480-17546/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 05/26/2011 1057
Prep Date: 05/25/2011 1200
Leach Date: N/A

Analysis Batch: 480-17770
Prep Batch: 480-17546
Leach Batch: N/A
Units: mg/L

Instrument ID: LACHAT1
Lab File ID: CN05261A.FDT
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: 480-17546

Method: 9012A Preparation: 9012A

Lab Sample ID: LCS 480-17546/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 05/26/2011 1057
Prep Date: 05/25/2011 1200
Leach Date: N/A

Analysis Batch: 480-17770
Prep Batch: 480-17546
Leach Batch: N/A
Units: mg/L

Instrument ID: LACHAT1
Lab File ID: CN05261A.FDT
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	0.250	0.254	102	90 - 110	

Quality Control Results

Client: META Environmental

Job Number: 480-5072-1

Method Blank - Batch: 480-17566

Method: 9012A Preparation: 9012A

Lab Sample ID: MB 480-17566/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 05/26/2011 1114
Prep Date: 05/25/2011 1635
Leach Date: N/A

Analysis Batch: 480-17770
Prep Batch: 480-17566
Leach Batch: N/A
Units: mg/L

Instrument ID: LACHAT1
Lab File ID: CN05261A.FDT
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: 480-17566

Method: 9012A Preparation: 9012A

Lab Sample ID: LCS 480-17566/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 05/26/2011 1115
Prep Date: 05/25/2011 1635
Leach Date: N/A

Analysis Batch: 480-17770
Prep Batch: 480-17566
Leach Batch: N/A
Units: mg/L

Instrument ID: LACHAT1
Lab File ID: CN05261A.FDT
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	0.250	0.247	99	90 - 110	

Quality Control Results

Client: META Environmental

Job Number: 480-5072-1

Method Blank - Batch: 480-18302

Method: 9012A Preparation: 9012A

Lab Sample ID: MB 480-18302/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/03/2011 1448
Prep Date: 06/01/2011 1830
Leach Date: N/A

Analysis Batch: 480-18601
Prep Batch: 480-18302
Leach Batch: N/A
Units: mg/L

Instrument ID: LACHAT1
Lab File ID: CN06031A.FDT
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: 480-18302

Method: 9012A Preparation: 9012A

Lab Sample ID: LCS 480-18302/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/03/2011 1449
Prep Date: 06/01/2011 1830
Leach Date: N/A

Analysis Batch: 480-18601
Prep Batch: 480-18302
Leach Batch: N/A
Units: mg/L

Instrument ID: LACHAT1
Lab File ID: CN06031A.FDT
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	0.250	0.284	114	90 - 110	*

DATA REPORTING QUALIFIERS

Client: META Environmental

Job Number: 480-5072-1

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.
GC/MS Semi 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.
General Chemistry	*	LCS or LCSD exceeds the control limits
	H	Sample was prepped or analyzed beyond the specified holding time

Quality Control Results

Client: META Environmental

Job Number: 480-5072-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:480-17444					
LCS 480-17444/3	Lab Control Sample	T	Water	8260B	
MB 480-17444/4	Method Blank	T	Water	8260B	
480-5072-1	DW-1R	T	Water	8260B	
480-5072-2	MW-3DR	T	Water	8260B	
480-5072-3	MW-3DR DUP	T	Water	8260B	
480-5072-4	DW-3R	T	Water	8260B	
Analysis Batch:480-17553					
LCS 480-17553/3	Lab Control Sample	T	Water	8260B	
MB 480-17553/4	Method Blank	T	Water	8260B	
480-5174-1	MW-8DR	T	Water	8260B	
480-5174-2	EQUIPMENT BLANK	T	Water	8260B	
Analysis Batch:480-17555					
LCS 480-17555/3	Lab Control Sample	T	Water	8260B	
MB 480-17555/4	Method Blank	T	Water	8260B	
480-5072-1DL	DW-1R	T	Water	8260B	
480-5072-2DL	MW-3DR	T	Water	8260B	
480-5072-3DL	MW-3DR DUP	T	Water	8260B	
480-5072-5TB	TRIP BLANK	T	Water	8260B	
Analysis Batch:480-17618					
LCS 480-17618/3	Lab Control Sample	T	Water	8260B	
MB 480-17618/4	Method Blank	T	Water	8260B	
480-5072-4DL	DW-3R	T	Water	8260B	
480-5072-4MS	Matrix Spike	T	Water	8260B	
480-5072-4MSD	Matrix Spike Duplicate	T	Water	8260B	
Analysis Batch:480-17630					
LCS 480-17630/3	Lab Control Sample	T	Water	8260B	
MB 480-17630/4	Method Blank	T	Water	8260B	
480-5174-3TB	TRIP BLANK	T	Water	8260B	
Analysis Batch:480-17745					
LCS 480-17745/3	Lab Control Sample	T	Water	8260B	
MB 480-17745/4	Method Blank	T	Water	8260B	
480-5174-1DL	MW-8DR	T	Water	8260B	

Report Basis

T = Total

Quality Control Results

Client: META Environmental

Job Number: 480-5072-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
GC/MS Semi VOA					
Prep Batch: 480-17193					
LCS 480-17193/2-A	Lab Control Sample	T	Water	3510C	
MB 480-17193/1-A	Method Blank	T	Water	3510C	
480-5072-1	DW-1R	T	Water	3510C	
480-5072-1DL	DW-1R	T	Water	3510C	
480-5072-2	MW-3DR	T	Water	3510C	
480-5072-2DL	MW-3DR	T	Water	3510C	
480-5072-3	MW-3DR DUP	T	Water	3510C	
480-5072-3DL	MW-3DR DUP	T	Water	3510C	
480-5072-4	DW-3R	T	Water	3510C	
480-5072-4DL	DW-3R	T	Water	3510C	
Prep Batch: 480-17443					
LCS 480-17443/2-A	Lab Control Sample	T	Water	3510C	
MB 480-17443/1-A	Method Blank	T	Water	3510C	
480-5174-1	MW-8DR	T	Water	3510C	
480-5174-1DL	MW-8DR	T	Water	3510C	
480-5174-2	EQUIPMENT BLANK	T	Water	3510C	
Analysis Batch:480-17611					
LCS 480-17443/2-A	Lab Control Sample	T	Water	8270C	480-17443
MB 480-17443/1-A	Method Blank	T	Water	8270C	480-17443
480-5174-1	MW-8DR	T	Water	8270C	480-17443
480-5174-2	EQUIPMENT BLANK	T	Water	8270C	480-17443
Analysis Batch:480-17774					
LCS 480-17193/2-A	Lab Control Sample	T	Water	8270C	480-17193
MB 480-17193/1-A	Method Blank	T	Water	8270C	480-17193
480-5072-1	DW-1R	T	Water	8270C	480-17193
480-5072-2	MW-3DR	T	Water	8270C	480-17193
480-5072-3	MW-3DR DUP	T	Water	8270C	480-17193
480-5072-4	DW-3R	T	Water	8270C	480-17193
Analysis Batch:480-17775					
480-5174-1DL	MW-8DR	T	Water	8270C	480-17443
Analysis Batch:480-18006					
480-5072-1DL	DW-1R	T	Water	8270C	480-17193
480-5072-2DL	MW-3DR	T	Water	8270C	480-17193
480-5072-3DL	MW-3DR DUP	T	Water	8270C	480-17193
480-5072-4DL	DW-3R	T	Water	8270C	480-17193

Report Basis

T = Total

TestAmerica Buffalo

Quality Control Results

Client: META Environmental

Job Number: 480-5072-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 480-17546					
LCS 480-17546/1-A	Lab Control Sample	T	Water	9012A	
MB 480-17546/2-A	Method Blank	T	Water	9012A	
480-5174-1	MW-8DR	T	Water	9012A	
480-5174-2	EQUIPMENT BLANK	T	Water	9012A	
Prep Batch: 480-17566					
LCS 480-17566/2-A	Lab Control Sample	T	Water	9012A	
MB 480-17566/1-A	Method Blank	T	Water	9012A	
480-5072-1	DW-1R	T	Water	9012A	
480-5072-4	DW-3R	T	Water	9012A	
Analysis Batch:480-17770					
LCS 480-17546/1-A	Lab Control Sample	T	Water	9012A	480-17546
MB 480-17546/2-A	Method Blank	T	Water	9012A	480-17546
LCS 480-17566/2-A	Lab Control Sample	T	Water	9012A	480-17566
MB 480-17566/1-A	Method Blank	T	Water	9012A	480-17566
480-5072-1	DW-1R	T	Water	9012A	480-17566
480-5072-4	DW-3R	T	Water	9012A	480-17566
480-5174-1	MW-8DR	T	Water	9012A	480-17546
480-5174-2	EQUIPMENT BLANK	T	Water	9012A	480-17546
Prep Batch: 480-18302					
LCS 480-18302/2-A	Lab Control Sample	T	Water	9012A	
MB 480-18302/1-A	Method Blank	T	Water	9012A	
480-5072-1RA	DW-1R	T	Water	9012A	
480-5072-2	MW-3DR	T	Water	9012A	
480-5072-3	MW-3DR DUP	T	Water	9012A	
Analysis Batch:480-18601					
LCS 480-18302/2-A	Lab Control Sample	T	Water	9012A	480-18302
MB 480-18302/1-A	Method Blank	T	Water	9012A	480-18302
480-5072-1RA	DW-1R	T	Water	9012A	480-18302
480-5072-2	MW-3DR	T	Water	9012A	480-18302
480-5072-3	MW-3DR DUP	T	Water	9012A	480-18302

Report Basis

T = Total

Quality Control Results

Client: META Environmental

Job Number: 480-5072-1

Laboratory Chronicle

Lab ID: 480-5072-1

Client ID: DW-1R

Sample Date/Time: 05/17/2011 14:10

Received Date/Time: 05/18/2011 16:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-5072-E-1		480-17444		05/25/2011 16:27	80	TAL BUF	CDC
A:8260B	480-5072-E-1		480-17444		05/25/2011 16:27	80	TAL BUF	CDC
P:5030B	480-5072-F-1	DL	480-17555		05/25/2011 23:50	500	TAL BUF	PJQ
A:8260B	480-5072-F-1	DL	480-17555		05/25/2011 23:50	500	TAL BUF	PJQ
P:3510C	480-5072-A-1-A		480-17774	480-17193	05/23/2011 17:26	1	TAL BUF	LT
A:8270C	480-5072-A-1-A		480-17774	480-17193	05/27/2011 13:30	1	TAL BUF	JLG
P:3510C	480-5072-A-1-A	DL	480-18006	480-17193	05/23/2011 17:26	50	TAL BUF	LT
A:8270C	480-5072-A-1-A	DL	480-18006	480-17193	05/31/2011 08:57	50	TAL BUF	MP
P:9012A	480-5072-C-1-B		480-17770	480-17566	05/25/2011 16:35	1	TAL BUF	ML
A:9012A	480-5072-C-1-B		480-17770	480-17566	05/26/2011 11:22	1	TAL BUF	JR
P:9012A	480-5072-C-1-C ^5	RA	480-18601	480-18302	06/01/2011 18:30	5	TAL BUF	ML
A:9012A	480-5072-C-1-C ^5	RA	480-18601	480-18302	06/03/2011 15:34	5	TAL BUF	MD

Lab ID: 480-5072-2

Client ID: MW-3DR

Sample Date/Time: 05/18/2011 11:20

Received Date/Time: 05/18/2011 16:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-5072-E-2		480-17444		05/25/2011 16:52	8	TAL BUF	CDC
A:8260B	480-5072-E-2		480-17444		05/25/2011 16:52	8	TAL BUF	CDC
P:5030B	480-5072-F-2	DL	480-17555		05/26/2011 00:15	40	TAL BUF	PJQ
A:8260B	480-5072-F-2	DL	480-17555		05/26/2011 00:15	40	TAL BUF	PJQ
P:3510C	480-5072-A-2-A		480-17774	480-17193	05/23/2011 17:26	1	TAL BUF	LT
A:8270C	480-5072-A-2-A		480-17774	480-17193	05/27/2011 13:53	1	TAL BUF	JLG
P:3510C	480-5072-A-2-A	DL	480-18006	480-17193	05/23/2011 17:26	10	TAL BUF	LT
A:8270C	480-5072-A-2-A	DL	480-18006	480-17193	05/31/2011 09:21	10	TAL BUF	MP
P:9012A	480-5072-C-2-C ^10		480-18601	480-18302	06/01/2011 18:30	10	TAL BUF	ML
A:9012A	480-5072-C-2-C ^10		480-18601	480-18302	06/03/2011 15:35	10	TAL BUF	MD

Lab ID: 480-5072-3

Client ID: MW-3DR DUP

Sample Date/Time: 05/18/2011 11:20

Received Date/Time: 05/18/2011 16:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-5072-E-3		480-17444		05/25/2011 17:17	10	TAL BUF	CDC
A:8260B	480-5072-E-3		480-17444		05/25/2011 17:17	10	TAL BUF	CDC
P:5030B	480-5072-F-3	DL	480-17555		05/26/2011 00:40	40	TAL BUF	PJQ
A:8260B	480-5072-F-3	DL	480-17555		05/26/2011 00:40	40	TAL BUF	PJQ
P:3510C	480-5072-B-3-A		480-17774	480-17193	05/23/2011 17:26	1	TAL BUF	LT
A:8270C	480-5072-B-3-A		480-17774	480-17193	05/27/2011 15:53	1	TAL BUF	JLG
P:3510C	480-5072-B-3-A	DL	480-18006	480-17193	05/23/2011 17:26	10	TAL BUF	LT
A:8270C	480-5072-B-3-A	DL	480-18006	480-17193	05/31/2011 09:44	10	TAL BUF	MP
P:9012A	480-5072-C-3-C ^5		480-18601	480-18302	06/01/2011 18:30	5	TAL BUF	ML
A:9012A	480-5072-C-3-C ^5		480-18601	480-18302	06/03/2011 15:35	5	TAL BUF	MD

Quality Control Results

Client: META Environmental

Job Number: 480-5072-1

Laboratory Chronicle

Lab ID: 480-5072-4

Client ID: DW-3R

Sample Date/Time: 05/18/2011 14:10

Received Date/Time: 05/18/2011 16:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-5072-E-4		480-17444		05/25/2011 17:42	25	TAL BUF	CDC
A:8260B	480-5072-E-4		480-17444		05/25/2011 17:42	25	TAL BUF	CDC
P:5030B	480-5072-F-4	DL	480-17618		05/26/2011 12:09	200	TAL BUF	CDC
A:8260B	480-5072-F-4	DL	480-17618		05/26/2011 12:09	200	TAL BUF	CDC
P:3510C	480-5072-B-4-A		480-17774	480-17193	05/23/2011 17:26	10	TAL BUF	LT
A:8270C	480-5072-B-4-A		480-17774	480-17193	05/27/2011 16:16	10	TAL BUF	JLG
P:3510C	480-5072-B-4-A	DL	480-18006	480-17193	05/23/2011 17:26	50	TAL BUF	LT
A:8270C	480-5072-B-4-A	DL	480-18006	480-17193	05/31/2011 10:07	50	TAL BUF	MP
P:9012A	480-5072-C-4-B		480-17770	480-17566	05/25/2011 16:35	1	TAL BUF	ML
A:9012A	480-5072-C-4-B		480-17770	480-17566	05/26/2011 11:23	1	TAL BUF	JR

Lab ID: 480-5072-4 MS

Client ID: DW-3R

Sample Date/Time: 05/18/2011 14:10

Received Date/Time: 05/18/2011 16:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-5072-F-4 MS		480-17618		05/26/2011 19:12	200	TAL BUF	CDC
A:8260B	480-5072-F-4 MS		480-17618		05/26/2011 19:12	200	TAL BUF	CDC

Lab ID: 480-5072-4 MSD

Client ID: DW-3R

Sample Date/Time: 05/18/2011 14:10

Received Date/Time: 05/18/2011 16:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-5072-F-4 MSD		480-17618		05/26/2011 19:37	200	TAL BUF	CDC
A:8260B	480-5072-F-4 MSD		480-17618		05/26/2011 19:37	200	TAL BUF	CDC

Lab ID: 480-5072-5

Client ID: TRIP BLANK

Sample Date/Time: 05/18/2011 00:00

Received Date/Time: 05/18/2011 16:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-5072-B-5		480-17555		05/26/2011 01:30	1	TAL BUF	PJQ
A:8260B	480-5072-B-5		480-17555		05/26/2011 01:30	1	TAL BUF	PJQ

Quality Control Results

Client: META Environmental

Job Number: 480-5072-1

Laboratory Chronicle

Lab ID: 480-5174-1

Client ID: MW-8DR

Sample Date/Time: 05/18/2011 15:20

Received Date/Time: 05/20/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-5174-D-1		480-17553		05/26/2011 01:05	5	TAL BUF	LH
A:8260B	480-5174-D-1		480-17553		05/26/2011 01:05	5	TAL BUF	LH
P:5030B	480-5174-F-1	DL	480-17745		05/27/2011 02:24	400	TAL BUF	DC
A:8260B	480-5174-F-1	DL	480-17745		05/27/2011 02:24	400	TAL BUF	DC
P:3510C	480-5174-A-1-A		480-17611	480-17443	05/25/2011 08:46	1	TAL BUF	KV
A:8270C	480-5174-A-1-A		480-17611	480-17443	05/26/2011 12:37	1	TAL BUF	MP
P:3510C	480-5174-A-1-A	DL	480-17775	480-17443	05/25/2011 08:46	50	TAL BUF	KV
A:8270C	480-5174-A-1-A	DL	480-17775	480-17443	05/27/2011 09:20	50	TAL BUF	MP
P:9012A	480-5174-C-1-A		480-17770	480-17546	05/25/2011 12:00	1	TAL BUF	JR
A:9012A	480-5174-C-1-A		480-17770	480-17546	05/26/2011 11:02	1	TAL BUF	JR

Lab ID: 480-5174-2

Client ID: EQUIPMENT BLANK

Sample Date/Time: 05/18/2011 17:00

Received Date/Time: 05/20/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-5174-D-2		480-17553		05/26/2011 01:28	1	TAL BUF	LH
A:8260B	480-5174-D-2		480-17553		05/26/2011 01:28	1	TAL BUF	LH
P:3510C	480-5174-A-2-A		480-17611	480-17443	05/25/2011 08:46	1	TAL BUF	KV
A:8270C	480-5174-A-2-A		480-17611	480-17443	05/26/2011 13:01	1	TAL BUF	MP
P:9012A	480-5174-C-2-A		480-17770	480-17546	05/25/2011 12:00	1	TAL BUF	JR
A:9012A	480-5174-C-2-A		480-17770	480-17546	05/26/2011 11:02	1	TAL BUF	JR

Lab ID: 480-5174-3

Client ID: TRIP BLANK

Sample Date/Time: 05/18/2011 00:00

Received Date/Time: 05/20/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-5174-A-3		480-17630		05/26/2011 12:37	1	TAL BUF	ND
A:8260B	480-5174-A-3		480-17630		05/26/2011 12:37	1	TAL BUF	ND

Quality Control Results

Client: META Environmental

Job Number: 480-5072-1

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 480-17444/4		480-17444		05/25/2011 12:49	1	TAL BUF	CDC
A:8260B	MB 480-17444/4		480-17444		05/25/2011 12:49	1	TAL BUF	CDC
P:5030B	MB 480-17553/4		480-17553		05/25/2011 22:51	1	TAL BUF	LH
A:8260B	MB 480-17553/4		480-17553		05/25/2011 22:51	1	TAL BUF	LH
P:5030B	MB 480-17555/4		480-17555		05/25/2011 22:58	1	TAL BUF	PJQ
A:8260B	MB 480-17555/4		480-17555		05/25/2011 22:58	1	TAL BUF	PJQ
P:5030B	MB 480-17618/4		480-17618		05/26/2011 11:29	1	TAL BUF	CDC
A:8260B	MB 480-17618/4		480-17618		05/26/2011 11:29	1	TAL BUF	CDC
P:5030B	MB 480-17630/4		480-17630		05/26/2011 11:41	1	TAL BUF	ND
A:8260B	MB 480-17630/4		480-17630		05/26/2011 11:41	1	TAL BUF	ND
P:5030B	MB 480-17745/4		480-17745		05/26/2011 22:25	1	TAL BUF	DC
A:8260B	MB 480-17745/4		480-17745		05/26/2011 22:25	1	TAL BUF	DC
P:3510C	MB 480-17443/1-A		480-17611	480-17443	05/25/2011 08:46	1	TAL BUF	KV
A:8270C	MB 480-17443/1-A		480-17611	480-17443	05/26/2011 11:02	1	TAL BUF	MP
P:3510C	MB 480-17193/1-A		480-17774	480-17193	05/23/2011 17:26	1	TAL BUF	LT
A:8270C	MB 480-17193/1-A		480-17774	480-17193	05/27/2011 11:56	1	TAL BUF	JLG
P:9012A	MB 480-17546/2-A		480-17770	480-17546	05/25/2011 12:00	1	TAL BUF	JR
A:9012A	MB 480-17546/2-A		480-17770	480-17546	05/26/2011 10:57	1	TAL BUF	JR
P:9012A	MB 480-17566/1-A		480-17770	480-17566	05/25/2011 16:35	1	TAL BUF	ML
A:9012A	MB 480-17566/1-A		480-17770	480-17566	05/26/2011 11:14	1	TAL BUF	JR
P:9012A	MB 480-18302/1-A		480-18601	480-18302	06/01/2011 18:30	1	TAL BUF	ML
A:9012A	MB 480-18302/1-A		480-18601	480-18302	06/03/2011 14:48	1	TAL BUF	MD

Quality Control Results

Client: META Environmental

Job Number: 480-5072-1

Laboratory Chronicle

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 480-17444/3		480-17444		05/25/2011 12:24	1	TAL BUF	CDC
A:8260B	LCS 480-17444/3		480-17444		05/25/2011 12:24	1	TAL BUF	CDC
P:5030B	LCS 480-17553/3		480-17553		05/25/2011 22:28	1	TAL BUF	LH
A:8260B	LCS 480-17553/3		480-17553		05/25/2011 22:28	1	TAL BUF	LH
P:5030B	LCS 480-17555/3		480-17555		05/25/2011 22:33	1	TAL BUF	PJQ
A:8260B	LCS 480-17555/3		480-17555		05/25/2011 22:33	1	TAL BUF	PJQ
P:5030B	LCS 480-17618/3		480-17618		05/26/2011 11:04	1	TAL BUF	CDC
A:8260B	LCS 480-17618/3		480-17618		05/26/2011 11:04	1	TAL BUF	CDC
P:5030B	LCS 480-17630/3		480-17630		05/26/2011 11:18	1	TAL BUF	ND
A:8260B	LCS 480-17630/3		480-17630		05/26/2011 11:18	1	TAL BUF	ND
P:5030B	LCS 480-17745/3		480-17745		05/26/2011 22:02	1	TAL BUF	DC
A:8260B	LCS 480-17745/3		480-17745		05/26/2011 22:02	1	TAL BUF	DC
P:3510C	LCS 480-17443/2-A		480-17611	480-17443	05/25/2011 08:46	1	TAL BUF	KV
A:8270C	LCS 480-17443/2-A		480-17611	480-17443	05/26/2011 11:26	1	TAL BUF	MP
P:3510C	LCS 480-17193/2-A		480-17774	480-17193	05/23/2011 17:26	1	TAL BUF	LT
A:8270C	LCS 480-17193/2-A		480-17774	480-17193	05/27/2011 12:19	1	TAL BUF	JLG
P:9012A	LCS 480-17546/1-A		480-17770	480-17546	05/25/2011 12:00	1	TAL BUF	JR
A:9012A	LCS 480-17546/1-A		480-17770	480-17546	05/26/2011 10:57	1	TAL BUF	JR
P:9012A	LCS 480-17566/2-A		480-17770	480-17566	05/25/2011 16:35	1	TAL BUF	ML
A:9012A	LCS 480-17566/2-A		480-17770	480-17566	05/26/2011 11:15	1	TAL BUF	JR
P:9012A	LCS 480-18302/2-A		480-18601	480-18302	06/01/2011 18:30	1	TAL BUF	ML
A:9012A	LCS 480-18302/2-A		480-18601	480-18302	06/03/2011 14:49	1	TAL BUF	MD

Lab References:

TAL BUF = TestAmerica Buffalo

Certification Summary

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

TestAmerica Job ID: 480-5072-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Buffalo	Arkansas	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	Georgia EPD	4	N/A
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Illinois	NELAC	5	100325 / 200003
TestAmerica Buffalo	Iowa	State Program	7	374
TestAmerica Buffalo	Kansas	NELAC	7	E-10187
TestAmerica Buffalo	Kentucky	Kentucky UST	4	30
TestAmerica Buffalo	Kentucky	State Program	4	90029
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	USDA		P330-08-00242
TestAmerica Buffalo	Virginia	State Program	3	278
TestAmerica Buffalo	Washington	State Program	10	C1677
TestAmerica Buffalo	West Virginia	West Virginia DEP	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.

Method 8260B

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
 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 #
DW-1R	480-5072-1	76	97	111
DW-1R DL	480-5072-1 DL	81	95	108
MW-3DR	480-5072-2	77	97	112
MW-3DR DL	480-5072-2 DL	81	95	111
MW-3DR DUP	480-5072-3	79	96	111
MW-3DR DUP DL	480-5072-3 DL	82	96	112
DW-3R	480-5072-4	75	96	111
DW-3R DL	480-5072-4 DL	84	93	107
TRIP BLANK	480-5072-5	82	96	109
MW-8DR	480-5174-1	77	106	100
MW-8DR DL	480-5174-1 DL	107	106	96
EQUIPMENT BLANK	480-5174-2	102	105	95
TRIP BLANK	480-5174-3	106	107	97
	MB 480-17444/4	80	97	109
	MB 480-17553/4	102	106	97
	MB 480-17555/4	82	94	110
	MB 480-17618/4	83	94	108
	MB 480-17630/4	105	107	97
	MB 480-17745/4	106	107	97
	LCS 480-17444/3	79	97	110
	LCS 480-17553/3	102	106	98
	LCS 480-17555/3	80	95	109
	LCS 480-17618/3	84	96	109
	LCS 480-17630/3	105	107	98
	LCS 480-17745/3	106	108	99
DW-3R MS	480-5072-4 MS	89	93	108
DW-3R MSD	480-5072-4 MSD	87	93	107

	<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.: 480-5072-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: P2785.D
Lab ID: LCS 480-17444/3 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Benzene	25.0	24.2	97	71-124	
Toluene	25.0	25.9	104	70-122	
Ethylbenzene	25.0	26.4	106	77-123	
m-Xylene & p-Xylene	50.0	52.2	104	76-122	
o-Xylene	25.0	27.6	110	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.: 480-5072-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: N7887.D
Lab ID: LCS 480-17553/3 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Benzene	25.0	25.2	101	71-124	
Toluene	25.0	26.2	105	70-122	
Ethylbenzene	25.0	26.7	107	77-123	
m-Xylene & p-Xylene	50.0	53.5	107	76-122	
o-Xylene	25.0	26.6	106	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.: 480-5072-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: P2808.D
Lab ID: LCS 480-17555/3 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Benzene	25.0	26.2	105	71-124	
Toluene	25.0	28.0	112	70-122	
Ethylbenzene	25.0	28.7	115	77-123	
m-Xylene & p-Xylene	50.0	56.8	114	76-122	
o-Xylene	25.0	29.8	119	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.: 480-5072-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: P2833.D
Lab ID: LCS 480-17618/3 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Benzene	25.0	25.5	102	71-124	
Toluene	25.0	27.5	110	70-122	
Ethylbenzene	25.0	28.0	112	77-123	
m-Xylene & p-Xylene	50.0	56.0	112	76-122	
o-Xylene	25.0	29.1	116	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.: 480-5072-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: N7902.D
Lab ID: LCS 480-17630/3 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Benzene	25.0	23.8	95	71-124	
Toluene	25.0	24.8	99	70-122	
Ethylbenzene	25.0	25.1	100	77-123	
m-Xylene & p-Xylene	50.0	50.6	101	76-122	
o-Xylene	25.0	25.2	101	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.: 480-5072-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: N7928.D
Lab ID: LCS 480-17745/3 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Benzene	25.0	25.2	101	71-124	
Toluene	25.0	25.3	101	70-122	
Ethylbenzene	25.0	25.8	103	77-123	
m-Xylene & p-Xylene	50.0	50.7	101	76-122	
o-Xylene	25.0	25.3	101	76-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: P2852.D
Lab ID: 480-5072-4 MS Client ID: DW-3R MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Benzene	5000	11000	16000	92	71-124	
Toluene	5000	2100	7600	111	70-122	
Ethylbenzene	5000	2200	8060	117	77-123	
m-Xylene & p-Xylene	10000	1600	13200	116	76-122	
o-Xylene	5000	830	6900	121	76-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: P2853.D
 Lab ID: 480-5072-4 MSD Client ID: DW-3R MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Benzene	5000	15300	78	4	13	71-124	
Toluene	5000	7220	103	5	15	70-122	
Ethylbenzene	5000	7700	110	5	15	77-123	
m-Xylene & p-Xylene	10000	12600	110	5	16	76-122	
o-Xylene	5000	6660	117	4	16	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.: 480-5072-1
SDG No.: _____
Lab File ID: P2786.D Lab Sample ID: MB 480-17444/4
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5973P Date Analyzed: 05/25/2011 12:49
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 480-17444/3	P2785.D	05/25/2011 12:24
DW-1R	480-5072-1	P2794.D	05/25/2011 16:27
MW-3DR	480-5072-2	P2795.D	05/25/2011 16:52
MW-3DR DUP	480-5072-3	P2796.D	05/25/2011 17:17
DW-3R	480-5072-4	P2797.D	05/25/2011 17:42

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
SDG No.: _____
Lab File ID: N7888.D Lab Sample ID: MB 480-17553/4
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5973N Date Analyzed: 05/25/2011 22:51
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 480-17553/3	N7887.D	05/25/2011 22:28
MW-8DR	480-5174-1	N7892.D	05/26/2011 01:05
EQUIPMENT BLANK	480-5174-2	N7893.D	05/26/2011 01:28

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
SDG No.: _____
Lab File ID: P2809.D Lab Sample ID: MB 480-17555/4
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5973P Date Analyzed: 05/25/2011 22:58
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 480-17555/3	P2808.D	05/25/2011 22:33
DW-1R DL	480-5072-1 DL	P2810.D	05/25/2011 23:50
MW-3DR DL	480-5072-2 DL	P2811.D	05/26/2011 00:15
MW-3DR DUP DL	480-5072-3 DL	P2812.D	05/26/2011 00:40
TRIP BLANK	480-5072-5	P2814.D	05/26/2011 01:30

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
SDG No.: _____
Lab File ID: P2834.D Lab Sample ID: MB 480-17618/4
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5973P Date Analyzed: 05/26/2011 11:29
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 480-17618/3	P2833.D	05/26/2011 11:04
DW-3R DL	480-5072-4 DL	P2835.D	05/26/2011 12:09
DW-3R MS	480-5072-4 MS	P2852.D	05/26/2011 19:12
DW-3R MSD	480-5072-4 MSD	P2853.D	05/26/2011 19:37

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
SDG No.: _____
Lab File ID: N7903.D Lab Sample ID: MB 480-17630/4
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5973N Date Analyzed: 05/26/2011 11:41
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 480-17630/3	N7902.D	05/26/2011 11:18
TRIP BLANK	480-5174-3	N7905.D	05/26/2011 12:37

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
SDG No.: _____
Lab File ID: N7929.D Lab Sample ID: MB 480-17745/4
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5973N Date Analyzed: 05/26/2011 22:25
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 480-17745/3	N7928.D	05/26/2011 22:02
MW-8DR DL	480-5174-1 DL	N7938.D	05/27/2011 02:24

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

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
SDG No.: _____
Lab File ID: N7565.D BFB Injection Date: 05/18/2011
Instrument ID: HP5973N BFB Injection Time: 12:43
Analysis Batch No.: 16584

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	15.4
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	6.5
173	Less than 2.0 % of mass 174	0.0 (0.0)1
174	50.0 - 120.00 % of mass 95	84.8
175	5.0 - 9.0 % of mass 174	6.2 (7.3)1
176	95.0 - 101.0 % of mass 174	85.2 (100.4)1
177	5.0 - 9.0 % of mass 176	5.8 (6.8)2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD 480-16584/3	N7568.D	05/18/2011	13:51
	STD 480-16584/4	N7569.D	05/18/2011	14:14
	STD 480-16584/5	N7570.D	05/18/2011	14:37
	STD 480-16584/6	N7571.D	05/18/2011	15:00
	STD 480-16584/7	N7572.D	05/18/2011	15:23
	STD 480-16584/10	N7574.D	05/18/2011	16:42

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

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
 SDG No.: _____
 Lab File ID: N7885.D BFB Injection Date: 05/25/2011
 Instrument ID: HP5973N BFB Injection Time: 21:39
 Analysis Batch No.: 17553

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	16.3
75	30.0 - 60.0 % of mass 95	49.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.1
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	79.9
175	5.0 - 9.0 % of mass 174	6.5 (8.1) 1
176	95.0 - 101.0 % of mass 174	76.9 (96.3) 1
177	5.0 - 9.0 % of mass 176	5.3 (6.9) 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 480-17553/2	N7886.D	05/25/2011	22:05
	LCS 480-17553/3	N7887.D	05/25/2011	22:28
	MB 480-17553/4	N7888.D	05/25/2011	22:51
MW-8DR	480-5174-1	N7892.D	05/26/2011	01:05
EQUIPMENT BLANK	480-5174-2	N7893.D	05/26/2011	01:28

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

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
 SDG No.: _____
 Lab File ID: N7900.D BFB Injection Date: 05/26/2011
 Instrument ID: HP5973N BFB Injection Time: 10:21
 Analysis Batch No.: 17630

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	16.1
75	30.0 - 60.0 % of mass 95	50.0
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	82.8
175	5.0 - 9.0 % of mass 174	5.9 (7.1) 1
176	95.0 - 101.0 % of mass 174	80.1 (96.7) 1
177	5.0 - 9.0 % of mass 176	5.4 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-17630/2	N7901.D	05/26/2011	10:44
	LCS 480-17630/3	N7902.D	05/26/2011	11:18
	MB 480-17630/4	N7903.D	05/26/2011	11:41
TRIP BLANK	480-5174-3	N7905.D	05/26/2011	12:37

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

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
 SDG No.: _____
 Lab File ID: N7926.D BFB Injection Date: 05/26/2011
 Instrument ID: HP5973N BFB Injection Time: 21:16
 Analysis Batch No.: 17745

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	16.8
75	30.0 - 60.0 % of mass 95	50.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.6
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	80.0
175	5.0 - 9.0 % of mass 174	5.9 (7.4) 1
176	95.0 - 101.0 % of mass 174	77.5 (97.0) 1
177	5.0 - 9.0 % of mass 176	5.4 (6.9) 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 480-17745/2	N7927.D	05/26/2011	21:39
	LCS 480-17745/3	N7928.D	05/26/2011	22:02
	MB 480-17745/4	N7929.D	05/26/2011	22:25
MW-8DR DL	480-5174-1 DL	N7938.D	05/27/2011	02:24

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

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
 SDG No.: _____
 Lab File ID: P2550.D BFB Injection Date: 05/17/2011
 Instrument ID: HP5973P BFB Injection Time: 12:58
 Analysis Batch No.: 16454

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	18.0
75	30.0 - 60.0 % of mass 95	46.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.1
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	110.2
175	5.0 - 9.0 % of mass 174	8.4 (7.7) 1
176	95.0 - 101.0 % of mass 174	107.3 (97.3) 1
177	5.0 - 9.0 % of mass 176	6.6 (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 480-16454/3	P2552.D	05/17/2011	13:55
	IC 480-16454/4	P2553.D	05/17/2011	14:20
	IC 480-16454/5	P2554.D	05/17/2011	14:44
	ICIS 480-16454/6	P2555.D	05/17/2011	15:09
	IC 480-16454/7	P2556.D	05/17/2011	15:34
	IC 480-16454/8	P2557.D	05/17/2011	15:59

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

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
 SDG No.: _____
 Lab File ID: P2783.D BFB Injection Date: 05/25/2011
 Instrument ID: HP5973P BFB Injection Time: 11:16
 Analysis Batch No.: 17444

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	16.3
75	30.0 - 60.0 % of mass 95	41.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.7
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	118.4
175	5.0 - 9.0 % of mass 174	8.7 (7.4) 1
176	95.0 - 101.0 % of mass 174	114.5 (96.7) 1
177	5.0 - 9.0 % of mass 176	7.8 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-17444/2	P2784.D	05/25/2011	11:45
	LCS 480-17444/3	P2785.D	05/25/2011	12:24
	MB 480-17444/4	P2786.D	05/25/2011	12:49
DW-1R	480-5072-1	P2794.D	05/25/2011	16:27
MW-3DR	480-5072-2	P2795.D	05/25/2011	16:52
MW-3DR DUP	480-5072-3	P2796.D	05/25/2011	17:17
DW-3R	480-5072-4	P2797.D	05/25/2011	17:42

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

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
SDG No.: _____
Lab File ID: P2806.D BFB Injection Date: 05/25/2011
Instrument ID: HP5973P BFB Injection Time: 21:25
Analysis Batch No.: 17555

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	17.1
75	30.0 - 60.0 % of mass 95	44.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.6
173	Less than 2.0 % of mass 174	0.0 (0.0)1
174	50.0 - 120.00 % of mass 95	113.2
175	5.0 - 9.0 % of mass 174	8.1 (7.1)1
176	95.0 - 101.0 % of mass 174	109.4 (96.7)1
177	5.0 - 9.0 % of mass 176	7.7 (7.1)2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-17555/2	P2807.D	05/25/2011	21:51
	LCS 480-17555/3	P2808.D	05/25/2011	22:33
	MB 480-17555/4	P2809.D	05/25/2011	22:58
DW-1R DL	480-5072-1 DL	P2810.D	05/25/2011	23:50
MW-3DR DL	480-5072-2 DL	P2811.D	05/26/2011	00:15
MW-3DR DUP DL	480-5072-3 DL	P2812.D	05/26/2011	00:40
TRIP BLANK	480-5072-5	P2814.D	05/26/2011	01:30

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

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
SDG No.: _____
Lab File ID: P2831.D BFB Injection Date: 05/26/2011
Instrument ID: HP5973P BFB Injection Time: 09:53
Analysis Batch No.: 17618

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	15.2
75	30.0 - 60.0 % of mass 95	43.1
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	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	110.9
175	5.0 - 9.0 % of mass 174	8.2 (7.4) 1
176	95.0 - 101.0 % of mass 174	106.4 (95.9) 1
177	5.0 - 9.0 % of mass 176	7.7 (7.2) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-17618/2	P2832.D	05/26/2011	10:19
	LCS 480-17618/3	P2833.D	05/26/2011	11:04
	MB 480-17618/4	P2834.D	05/26/2011	11:29
DW-3R DL	480-5072-4 DL	P2835.D	05/26/2011	12:09
DW-3R MS	480-5072-4 MS	P2852.D	05/26/2011	19:12
DW-3R MSD	480-5072-4 MSD	P2853.D	05/26/2011	19:37

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

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
SDG No.: _____
Sample No.: STD 480-16584/5 Date Analyzed: 05/18/2011 14:37
Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25 (mm)
Lab File ID (Standard): N7570.D Heated Purge: (Y/N) N
Calibration ID: 2101

	DFB		CBZ		DCB		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	541207	4.62	485049	7.41	272009	9.87	
UPPER LIMIT	1082414	5.12	970098	7.91	544018	10.37	
LOWER LIMIT	270604	4.12	242525	6.91	136005	9.37	
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-17553/2		466026	4.62	408372	7.41	226861	9.88
CCVIS 480-17630/2		476505	4.62	412686	7.41	227761	9.88
CCVIS 480-17745/2		446105	4.62	394466	7.41	220449	9.88

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

Area Limit = 50%-200% of internal standard area
RT Limit = $\pm$ 0.50 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.: 480-5072-1
 SDG No.: _____
 Sample No.: CCVIS 480-17553/2 Date Analyzed: 05/25/2011 22:05
 Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): N7886.D Heated Purge: (Y/N) N
 Calibration ID: 2101

	DFB		CBZ		DCB		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	466026	4.62	408372	7.41	226861	9.88	
UPPER LIMIT	932052	5.12	816744	7.91	453722	10.38	
LOWER LIMIT	233013	4.12	204186	6.91	113431	9.38	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-17553/3		442014	4.62	385386	7.41	202626	9.88
MB 480-17553/4		435445	4.62	379878	7.41	194949	9.88
480-5174-1	MW-8DR	472728	4.62	391756	7.41	214590	9.88
480-5174-2	EQUIPMENT BLANK	445484	4.62	389933	7.41	203160	9.88

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

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.50 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.: 480-5072-1
 SDG No.: _____
 Sample No.: CCVIS 480-17630/2 Date Analyzed: 05/26/2011 10:44
 Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): N7901.D Heated Purge: (Y/N) N
 Calibration ID: 2101

		DFB		CBZ		DCB		
		AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD		476505	4.62	412686	7.41	227761	9.88	
UPPER LIMIT		953010	5.12	825372	7.91	455522	10.38	
LOWER LIMIT		238253	4.12	206343	6.91	113881	9.38	
LAB SAMPLE ID		CLIENT SAMPLE ID						
LCS 480-17630/3		451961	4.62	392667	7.41	209196	9.88	
MB 480-17630/4		439332	4.62	383793	7.41	199217	9.88	
480-5174-3		TRIP BLANK	426669	4.62	378177	7.41	197143	9.88

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

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.50 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.: 480-5072-1
 SDG No.: _____
 Sample No.: CCVIS 480-17745/2 Date Analyzed: 05/26/2011 21:39
 Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): N7927.D Heated Purge: (Y/N) N
 Calibration ID: 2101

		DFB		CBZ		DCB		
		AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD		446105	4.62	394466	7.41	220449	9.88	
UPPER LIMIT		892210	5.12	788932	7.91	440898	10.38	
LOWER LIMIT		223053	4.12	197233	6.91	110225	9.38	
LAB SAMPLE ID		CLIENT SAMPLE ID						
LCS 480-17745/3		436414	4.62	391167	7.41	215547	9.88	
MB 480-17745/4		425570	4.62	372671	7.41	193025	9.88	
480-5174-1 DL		MW-8DR DL	423432	4.62	375197	7.41	195682	9.88

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

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.50 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.: 480-5072-1
SDG No.: _____
Sample No.: ICIS 480-16454/6 Date Analyzed: 05/17/2011 15:09
Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm)
Lab File ID (Standard): P2555.D Heated Purge: (Y/N) N
Calibration ID: 2096

	DFB		CBZ		DCB		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	598250	8.12	272281	11.90	350014	15.04	
UPPER LIMIT	1196500	8.62	544562	12.40	700028	15.54	
LOWER LIMIT	299125	7.62	136141	11.40	175007	14.54	
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-17444/2		714533	8.12	311692	11.90	434015	15.04
CCVIS 480-17555/2		616153	8.12	267739	11.90	386715	15.04
CCVIS 480-17618/2		556304	8.12	251582	11.90	357703	15.04

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

Area Limit = 50%-200% of internal standard area
RT Limit = $\pm$ 0.50 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.: 480-5072-1
 SDG No.: _____
 Sample No.: CCVIS 480-17444/2 Date Analyzed: 05/25/2011 11:45
 Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): P2784.D Heated Purge: (Y/N) N
 Calibration ID: 2096

		DFB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		714533	8.12	311692	11.90	434015	15.04
UPPER LIMIT		1429066	8.62	623384	12.40	868030	15.54
LOWER LIMIT		357267	7.62	155846	11.40	217008	14.54
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-17444/3		710434	8.12	309308	11.90	430323	15.04
MB 480-17444/4		693781	8.12	298198	11.90	412852	15.04
480-5072-1	DW-1R	634447	8.12	269386	11.90	384247	15.04
480-5072-2	MW-3DR	633524	8.12	270378	11.90	388820	15.04
480-5072-3	MW-3DR DUP	622055	8.12	272189	11.90	392553	15.04
480-5072-4	DW-3R	648508	8.12	277802	11.90	395568	15.04

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

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.50 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.: 480-5072-1
 SDG No.: _____
 Sample No.: CCVIS 480-17555/2 Date Analyzed: 05/25/2011 21:51
 Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): P2807.D Heated Purge: (Y/N) N
 Calibration ID: 2096

		DFB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		616153	8.12	267739	11.90	386715	15.04
UPPER LIMIT		1232306	8.62	535478	12.40	773430	15.54
LOWER LIMIT		308077	7.62	133870	11.40	193358	14.54
LAB SAMPLE ID		CLIENT SAMPLE ID					
LCS 480-17555/3		606445	8.12	263479	11.90	371194	15.04
MB 480-17555/4		602581	8.12	264892	11.90	362534	15.04
480-5072-1 DL	DW-1R DL	596504	8.12	261593	11.90	366812	15.04
480-5072-2 DL	MW-3DR DL	588497	8.12	257836	11.90	367167	15.04
480-5072-3 DL	MW-3DR DUP DL	580128	8.12	253293	11.90	358368	15.04
480-5072-5	TRIP BLANK	582450	8.12	246506	11.90	352680	15.04

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

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.50 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.: 480-5072-1
 SDG No.: _____
 Sample No.: CCVIS 480-17618/2 Date Analyzed: 05/26/2011 10:19
 Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): P2832.D Heated Purge: (Y/N) N
 Calibration ID: 2096

	DFB		CBZ		DCB	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	556304	8.12	251582	11.90	357703	15.04
UPPER LIMIT	1112608	8.62	503164	12.40	715406	15.54
LOWER LIMIT	278152	7.62	125791	11.40	178852	14.54
LAB SAMPLE ID	CLIENT SAMPLE ID					
LCS 480-17618/3		561257	8.12	247446	11.90	340841 15.04
MB 480-17618/4		533667	8.12	239865	11.90	323196 15.04
480-5072-4 DL	DW-3R DL	529518	8.12	240830	11.90	332010 15.04
480-5072-4 MS	DW-3R MS	449482	8.12	203132	11.90	287867 15.04
480-5072-4 MSD	DW-3R MSD	468625	8.13	210897	11.90	296012 15.04

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

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.50 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.: 480-5072-1
 SDG No.: _____
 Client Sample ID: DW-1R Lab Sample ID: 480-5072-1
 Matrix: Water Lab File ID: P2794.D
 Analysis Method: 8260B Date Collected: 05/17/2011 14:10
 Sample wt/vol: 5 (mL) Date Analyzed: 05/25/2011 16:27
 Soil Aliquot Vol: _____ Dilution Factor: 80
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 17444 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	22000	E	80	33
108-88-3	Toluene	11000	E	80	41
100-41-4	Ethylbenzene	4000		80	59
179601-23-1	m-Xylene & p-Xylene	3200		160	53
95-47-6	o-Xylene	1700		80	61
1330-20-7	Xylenes, Total	4900		160	53

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	76		66-137
2037-26-5	Toluene-d8 (Surr)	97		71-126
460-00-4	4-Bromofluorobenzene (Surr)	111		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3436.b\P2794.D
 Lims ID: 480-5072-E-1 Client ID: DW-1R
 Inject. Date: 25-May-2011 16:27:30 Dil. Factor: 80.0000
 Sample Type: Client
 Sample ID: 480-5072-E-1
 Misc. Info.: 480-0003436-012 =480-0003436-012
 Operator: PJQ Instrument ID: HP5973P
 Vol. Injected: 1.0000 ALS Bottle#: 12
 Lims Batch ID: 17444 Lims Sample ID: 12
 Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973P\20110525-3436.b\P-8260.m
 Last Update: 25-May-2011 20:17:31 Calib Date: 17-May-2011 15:59:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973P\20110517-3207.b\P2557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: cwiklinc

Date: 25-May-2011 20:20:38

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	8.121	8.121	0.0	93	634447	25.0	
* 2 Chlorobenzene-d5	82	11.899	11.899	0.0	81	269386	25.0	
* 3 1,4-Dichlorobenzene-d4	152	15.038	15.038	0.0	91	384247	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	7.683	7.683	0.0	48	103037	19.0	
\$ 5 Toluene-d8 (Surr)	98	9.946	9.946	0.0	92	654853	24.2	
\$ 6 4-Bromofluorobenzene (Surr)	174	13.511	13.511	0.0	96	319755	27.8	
57 Benzene	78	7.726	7.726	0.0	90	8898575	268.9	E
76 Toluene	92	10.031	10.031	0.0	97	2811273	141.7	E
89 Ethylbenzene	91	12.027	12.027	0.0	98	1821798	49.9	
90 m-Xylene & p-Xylene	106	12.179	12.179	0.0	98	570356	40.0	
93 o-Xylene	106	12.757	12.757	0.0	96	280741	20.7	
S 125 Total BTEX	1				0		521.3	
S 126 Xylenes, Total	1				0		60.7	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Report Date: 25-May-2011 20:20:38

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File:

\\Bufchrom\ChromData\HP5973P\20110525-3436.b\P2794.D

Injection Date:

25-May-2011 16:27:30

Client ID:

DW-1R

Limit Group:

MV - 8260B ICAL

Lims Batch ID:

17444

Instrument ID:

HP5973P

Operator ID:

PJQ

Lims Sample ID:

12

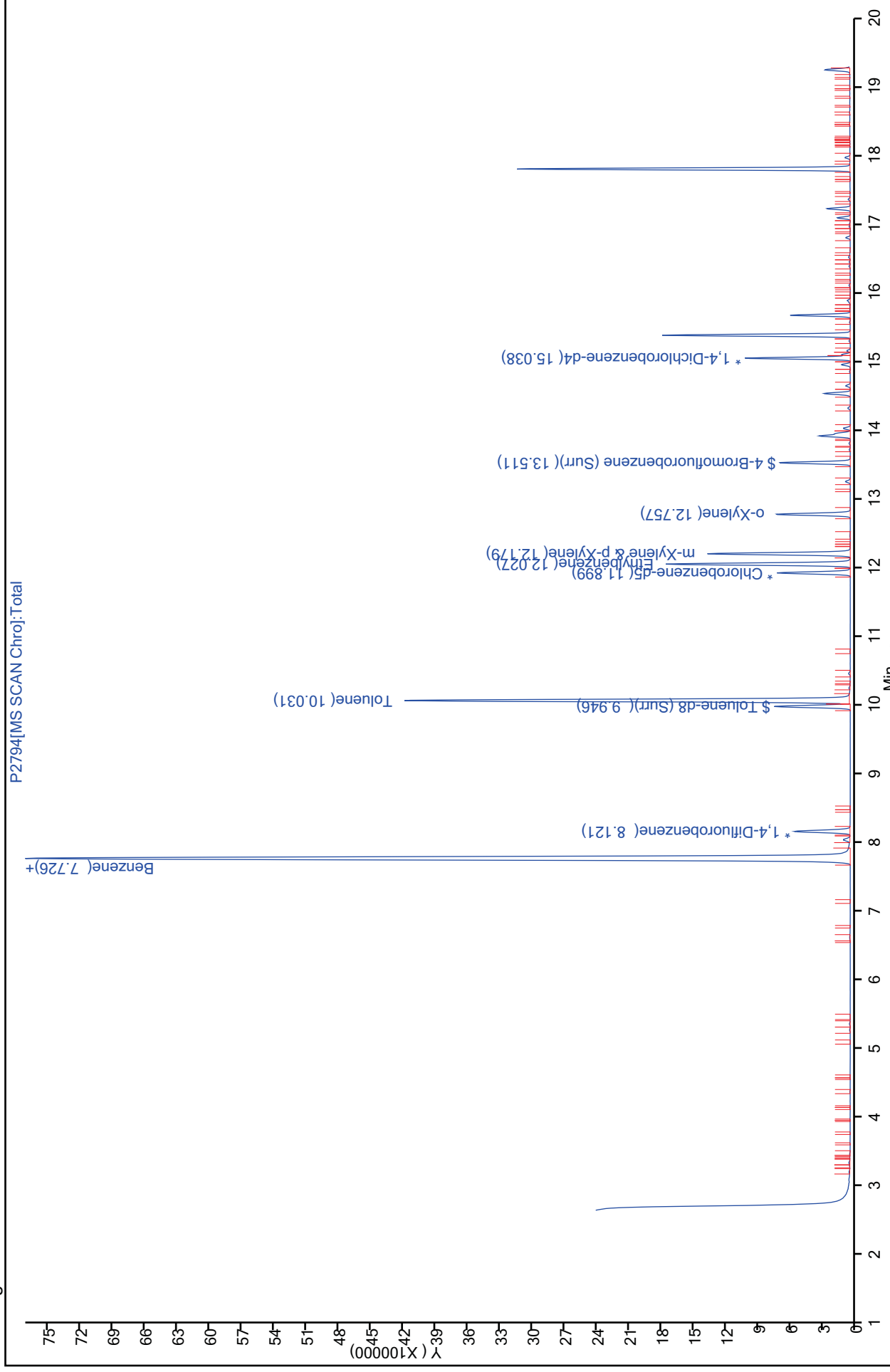
Column Type:

ZB-624

Column Dia:

0.25 mm

Y Scaling:



Report Date: 25-May-2011 20:20:38

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3436.b\P2794.D

Injection Date: 25-May-2011 16:27:30

Limit Group: MV - 8260B ICAL

Client ID: DW-1R

Instrument ID: HP5973P

Lims Batch ID: 17444

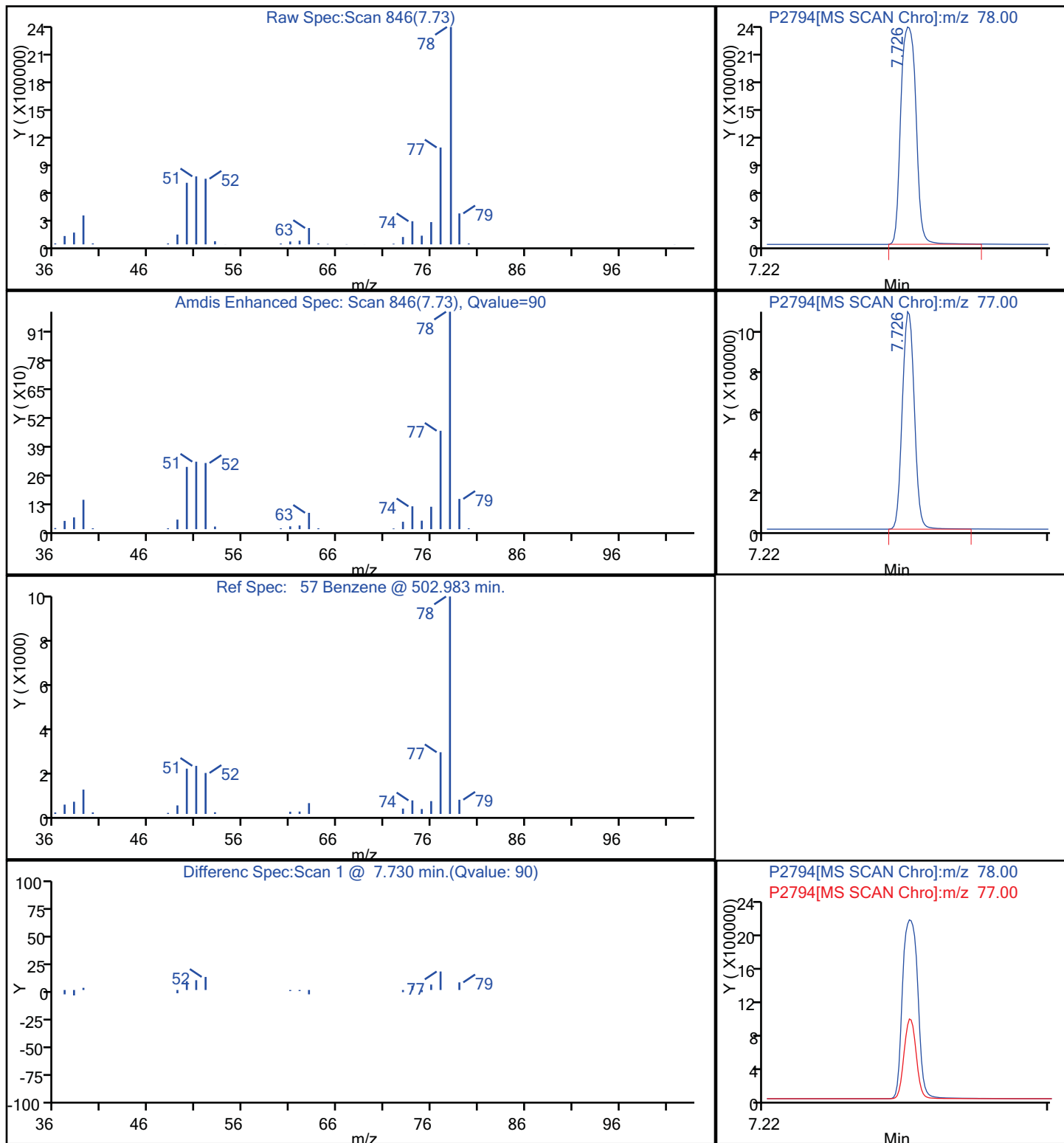
Lims Sample ID: 12

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

57 Benzene



Report Date: 25-May-2011 20:20:38

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3436.b\P2794.D

Injection Date: 25-May-2011 16:27:30

Limit Group: MV - 8260B ICAL

Client ID: DW-1R

Instrument ID: HP5973P

Lims Batch ID: 17444

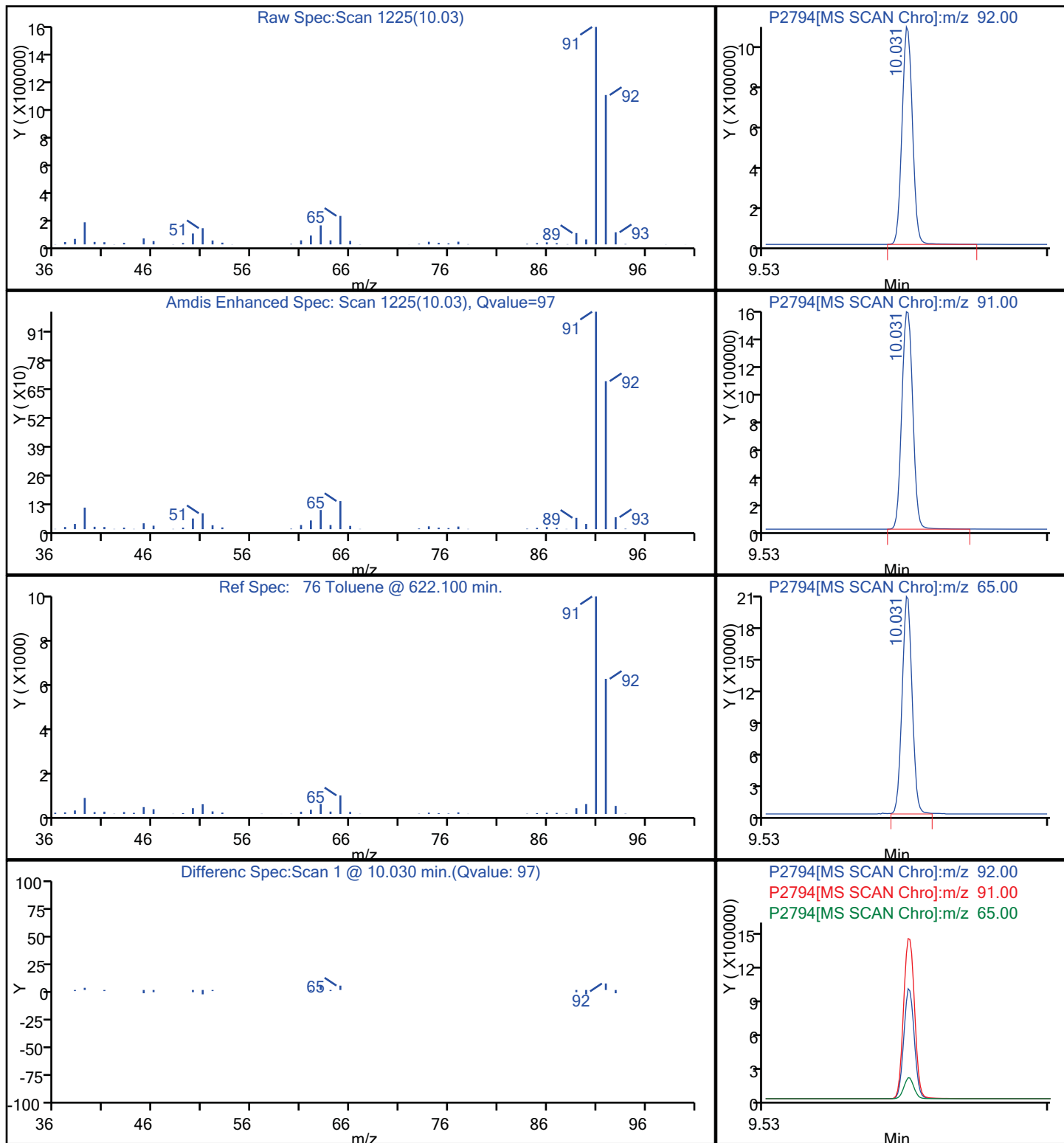
Lims Sample ID: 12

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

76 Toluene



Report Date: 25-May-2011 20:20:38

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3436.b\P2794.D

Injection Date: 25-May-2011 16:27:30

Limit Group: MV - 8260B ICAL

Client ID: DW-1R

Instrument ID: HP5973P

Lims Batch ID: 17444

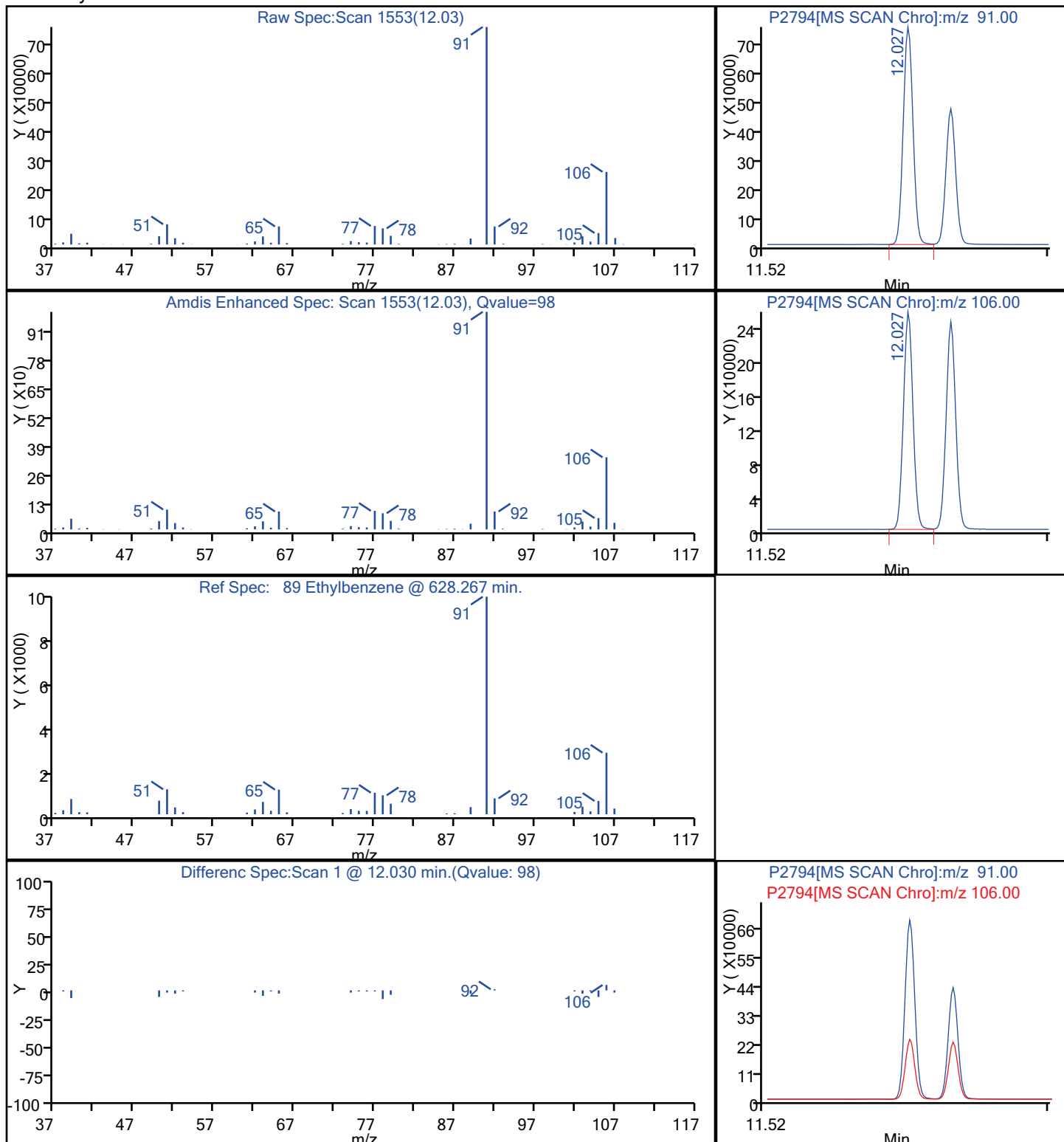
Lims Sample ID: 12

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

89 Ethylbenzene



Report Date: 25-May-2011 20:20:38

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3436.b\P2794.D

Injection Date: 25-May-2011 16:27:30

Limit Group: MV - 8260B ICAL

Client ID: DW-1R

Instrument ID: HP5973P

Lims Batch ID: 17444

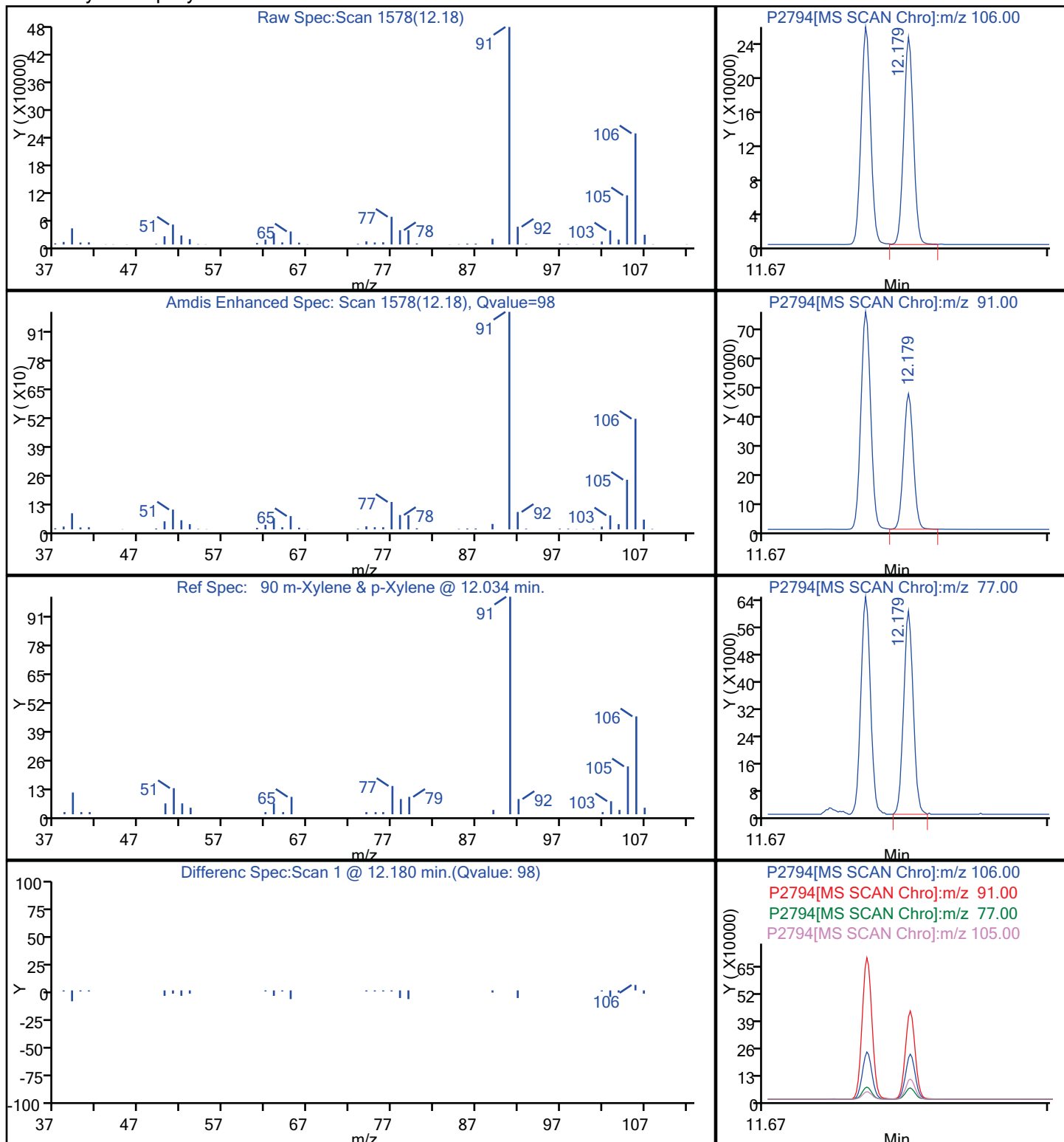
Lims Sample ID: 12

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

90 m-Xylene & p-Xylene



Report Date: 25-May-2011 20:20:38

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3436.b\P2794.D

Injection Date: 25-May-2011 16:27:30

Limit Group: MV - 8260B ICAL

Client ID: DW-1R

Instrument ID: HP5973P

Lims Batch ID: 17444

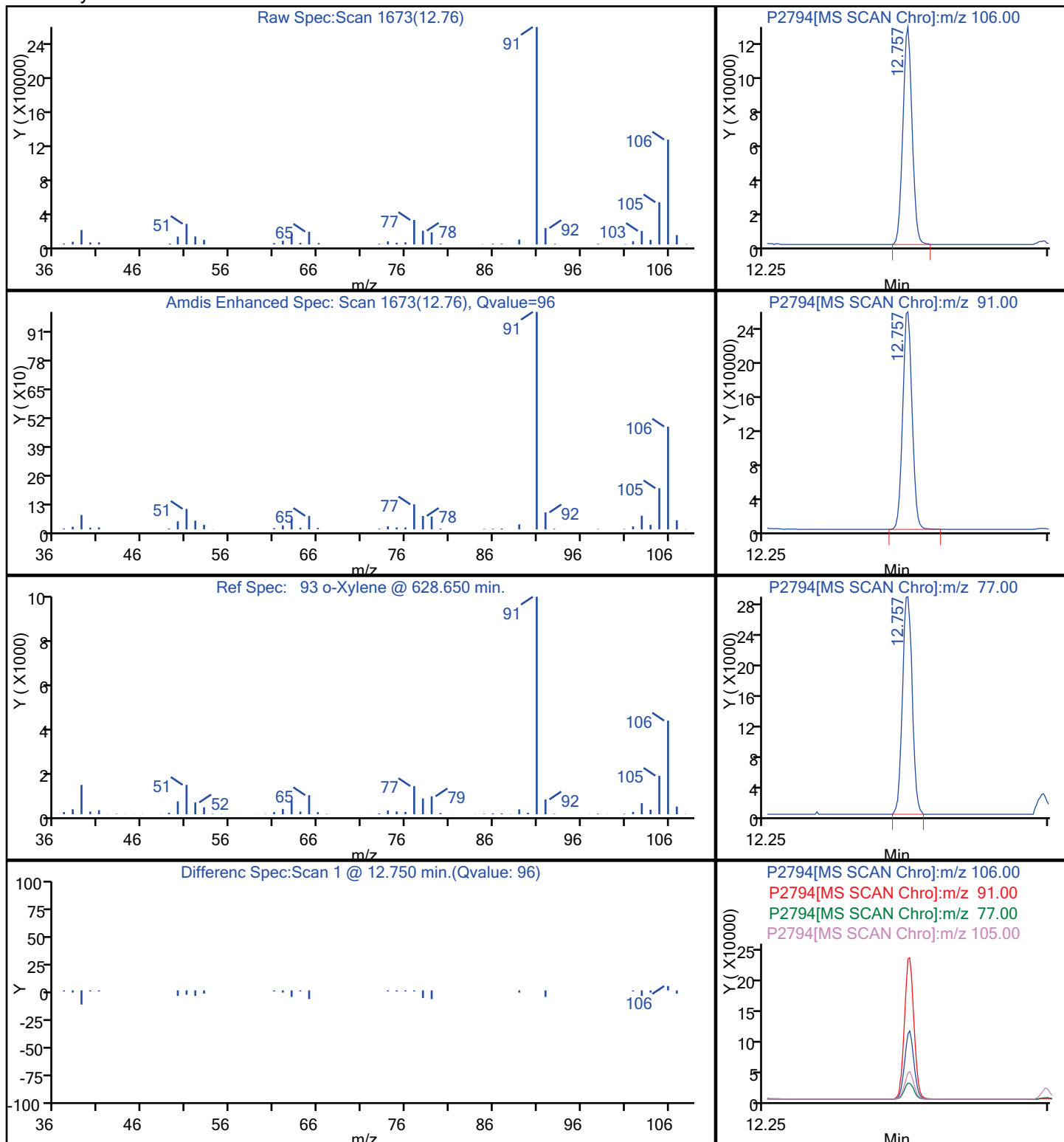
Lims Sample ID: 12

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

93 o-Xylene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
 SDG No.: _____
 Client Sample ID: DW-1R DL Lab Sample ID: 480-5072-1 DL
 Matrix: Water Lab File ID: P2810.D
 Analysis Method: 8260B Date Collected: 05/17/2011 14:10
 Sample wt/vol: 5 (mL) Date Analyzed: 05/25/2011 23:50
 Soil Aliquot Vol: _____ Dilution Factor: 500
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 17555 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	39000		500	210
108-88-3	Toluene	12000		500	260
100-41-4	Ethylbenzene	4100		500	370
179601-23-1	m-Xylene & p-Xylene	3200		1000	330
95-47-6	o-Xylene	1500		500	380
1330-20-7	Xylenes, Total	4700		1000	330

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	81		66-137
2037-26-5	Toluene-d8 (Surr)	95		71-126
460-00-4	4-Bromofluorobenzene (Surr)	108		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

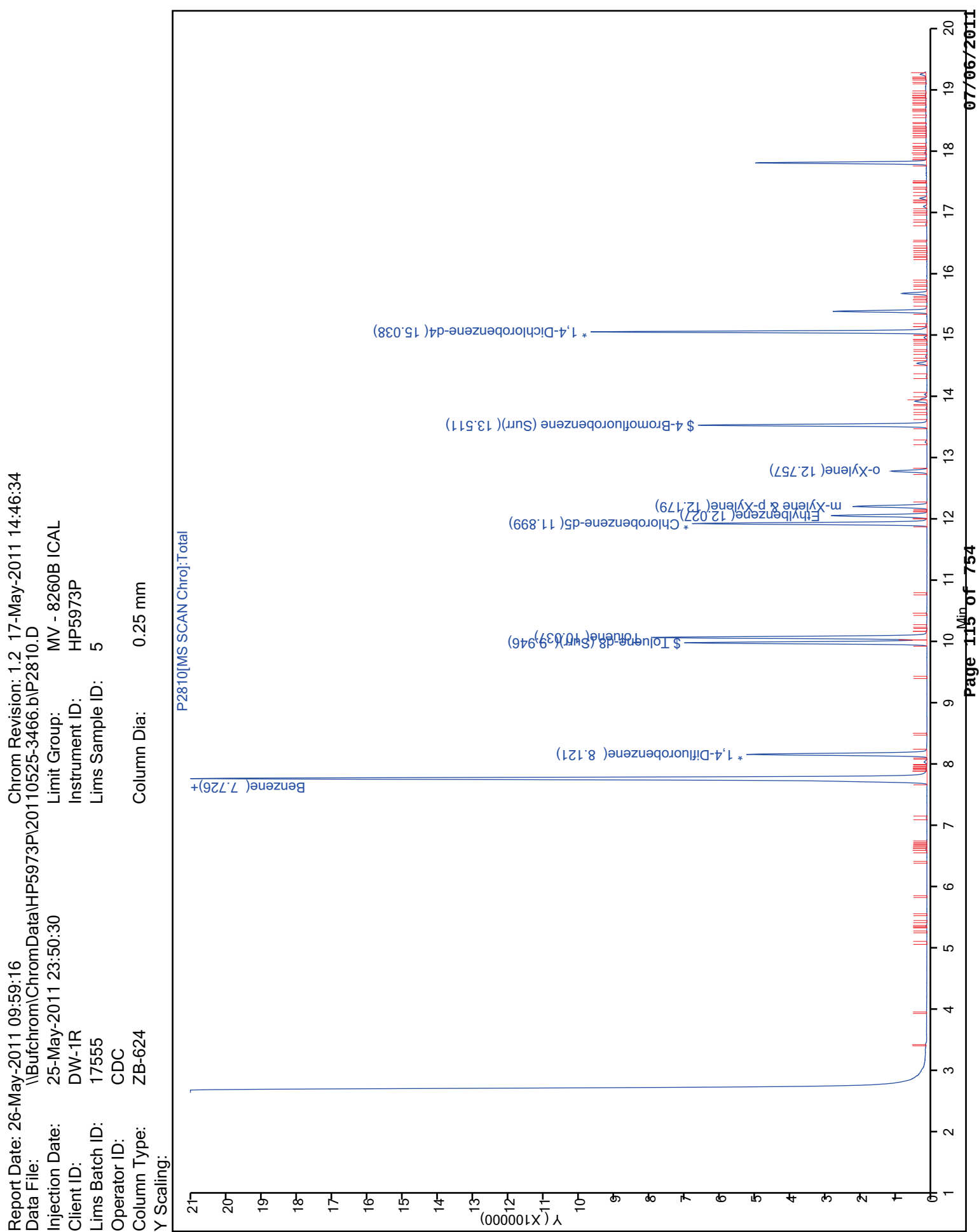
Data File: \\Bufchrom\ChromData\HP5973P\20110525-3466.b\P2810.D
 Lims ID: 480-5072-F-1 Client ID: DW-1R
 Inject. Date: 25-May-2011 23:50:30 Dil. Factor: 500.0000
 Sample Type: Client
 Sample ID: 480-5072-F-1
 Misc. Info.: 480-0003466-005 =480-0003466-005
 Operator: CDC Instrument ID: HP5973P
 Vol. Injected: 1.0000 ALS Bottle#: 1
 Lims Batch ID: 17555 Lims Sample ID: 5
 Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973P\20110525-3466.b\P-8260.m
 Last Update: 26-May-2011 00:53:00 Calib Date: 17-May-2011 15:59:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973P\20110517-3207.b\P2557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 26-May-2011 09:59:16

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	8.121	8.121	0.0	92	596504	25.0	
* 2 Chlorobenzene-d5	82	11.899	11.899	0.0	81	261593	25.0	
* 3 1,4-Dichlorobenzene-d4	152	15.038	15.038	0.0	91	366812	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	7.677	7.683	-0.006	59	102959	20.2	
\$ 5 Toluene-d8 (Surr)	98	9.946	9.946	0.0	92	622950	23.7	
\$ 6 4-Bromofluorobenzene (Surr)	174	13.511	13.511	0.0	96	303183	27.1	
57 Benzene	78	7.726	7.726	0.0	96	2450180	78.7	
76 Toluene	92	10.037	10.031	0.006	98	473871	24.6	
89 Ethylbenzene	91	12.027	12.027	0.0	98	290807	8.21	
90 m-Xylene & p-Xylene	106	12.179	12.179	0.0	98	87545	6.33	
93 o-Xylene	106	12.757	12.757	0.0	92	40545	3.08	
S 125 Total BTEX	1				0		121.0	
S 126 Xylenes, Total	1				0		9.41	



Report Date: 26-May-2011 09:59:16

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3466.b\P2810.D

Injection Date: 25-May-2011 23:50:30

Limit Group: MV - 8260B ICAL

Client ID: DW-1R

Instrument ID: HP5973P

Lims Batch ID: 17555

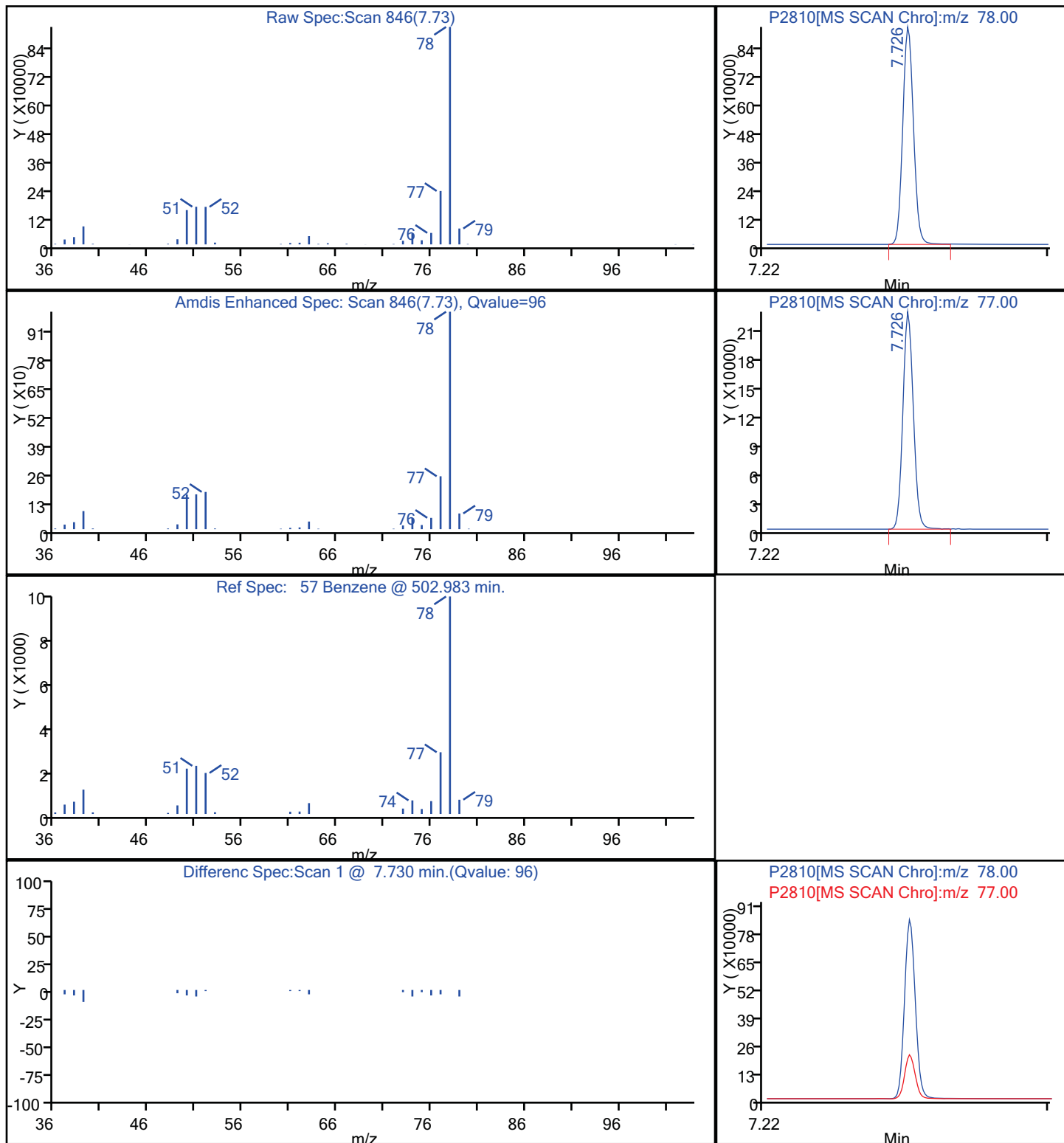
Lims Sample ID: 5

Operator ID: CDC

Column Type: ZB-624

Column Dia: 0.25 mm

57 Benzene



Report Date: 26-May-2011 09:59:16

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3466.b\P2810.D

Injection Date: 25-May-2011 23:50:30

Limit Group: MV - 8260B ICAL

Client ID: DW-1R

Instrument ID: HP5973P

Lims Batch ID: 17555

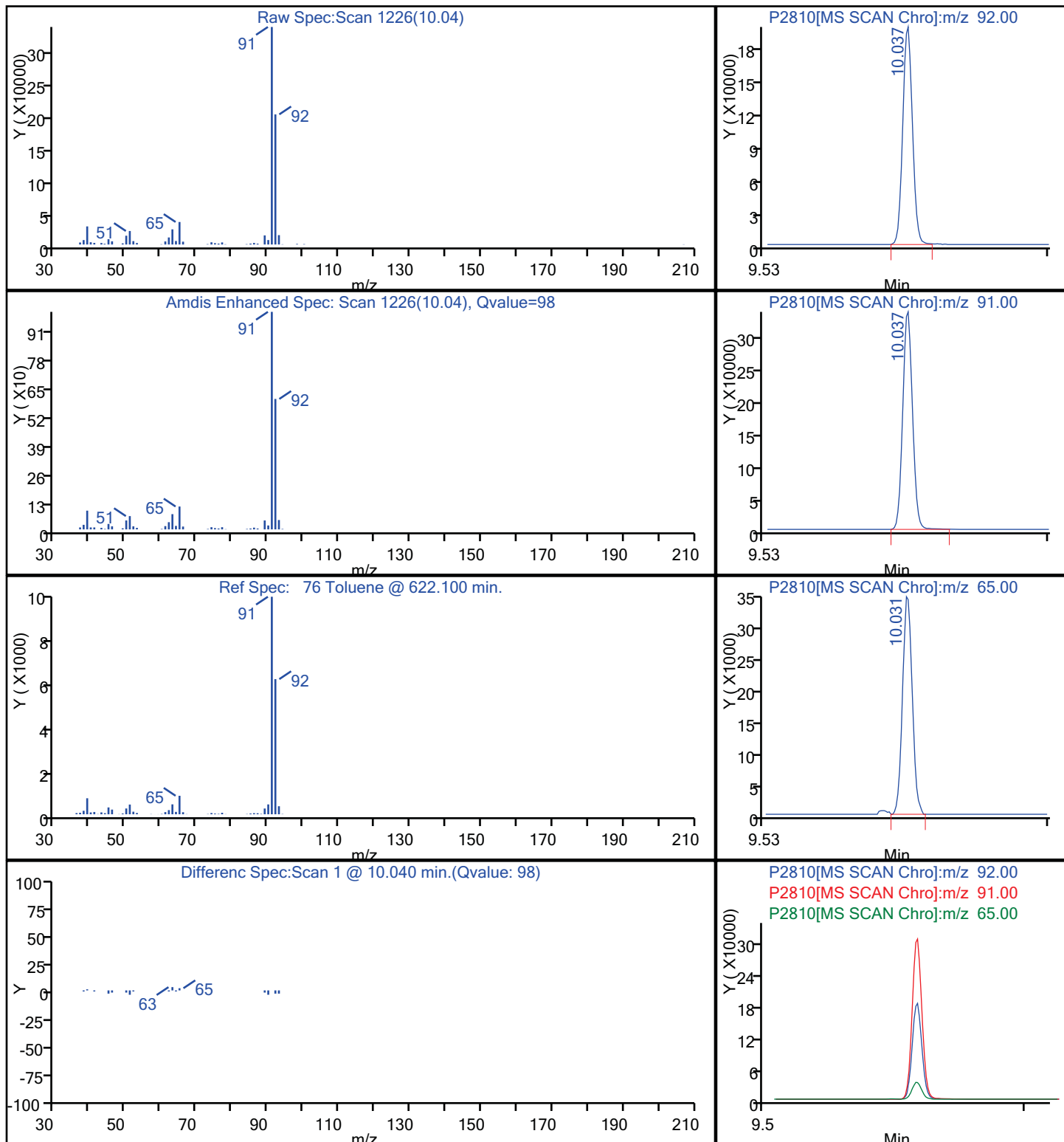
Lims Sample ID: 5

Operator ID: CDC

Column Type: ZB-624

Column Dia: 0.25 mm

76 Toluene



Report Date: 26-May-2011 09:59:16

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3466.b\P2810.D

Injection Date: 25-May-2011 23:50:30

Limit Group: MV - 8260B ICAL

Client ID: DW-1R

Instrument ID: HP5973P

Lims Batch ID: 17555

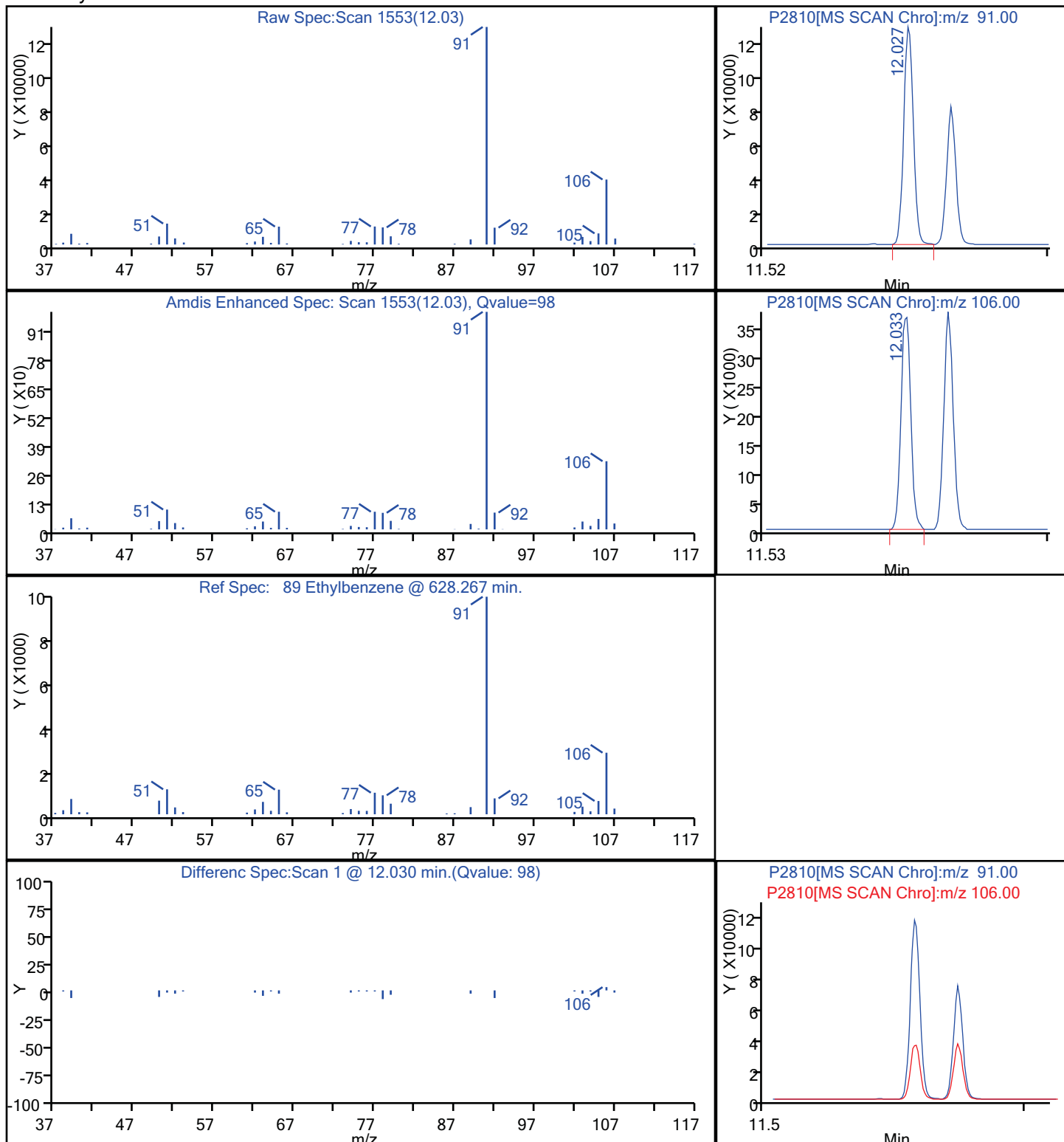
Lims Sample ID: 5

Operator ID: CDC

Column Type: ZB-624

Column Dia: 0.25 mm

89 Ethylbenzene



Report Date: 26-May-2011 09:59:16

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3466.b\P2810.D

Injection Date: 25-May-2011 23:50:30

Limit Group: MV - 8260B ICAL

Client ID: DW-1R

Instrument ID: HP5973P

Lims Batch ID: 17555

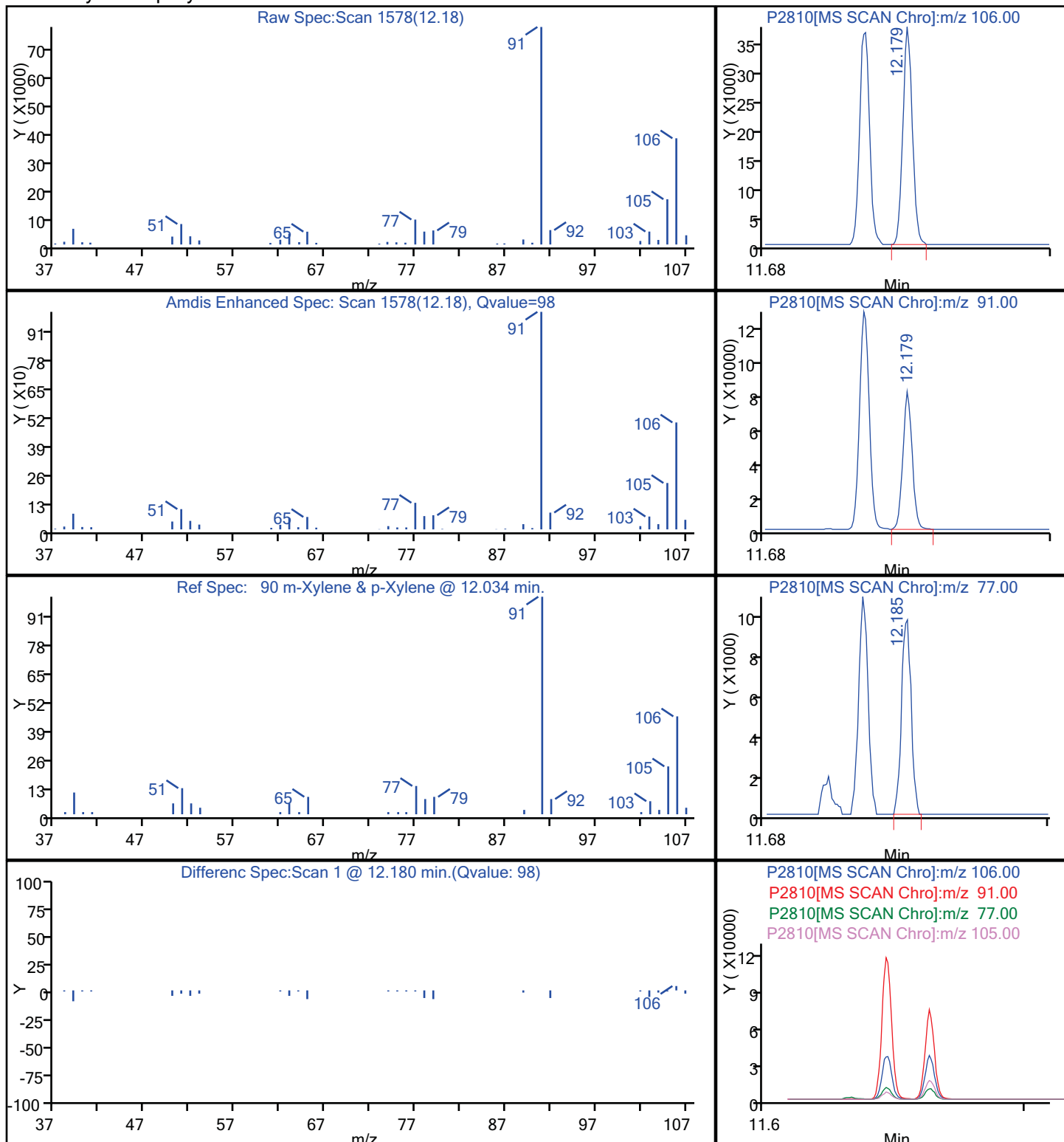
Lims Sample ID: 5

Operator ID: CDC

Column Type: ZB-624

Column Dia: 0.25 mm

90 m-Xylene & p-Xylene



Report Date: 26-May-2011 09:59:16

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3466.b\P2810.D

Injection Date: 25-May-2011 23:50:30

Limit Group: MV - 8260B ICAL

Client ID: DW-1R

Instrument ID: HP5973P

Lims Batch ID: 17555

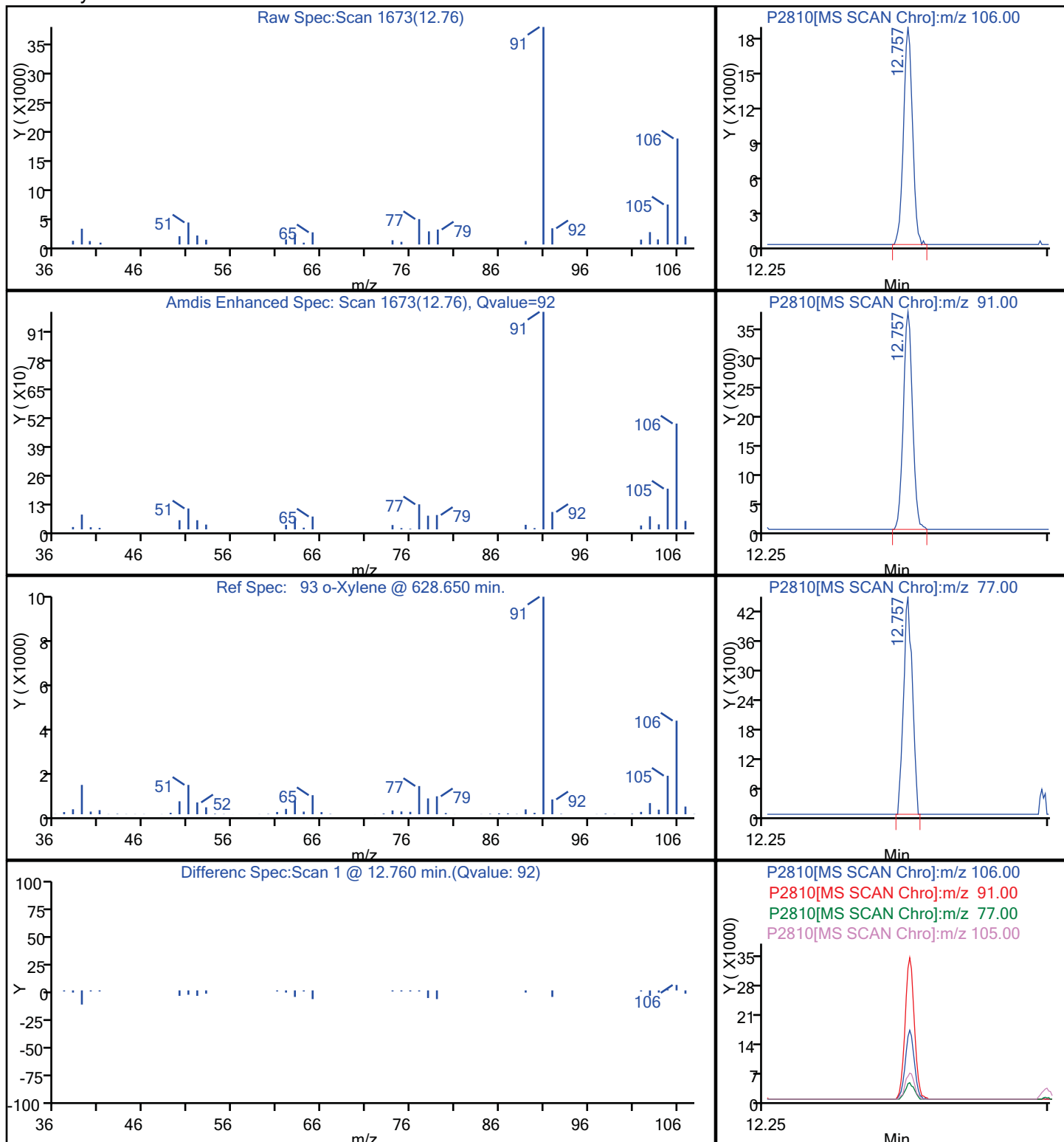
Lims Sample ID: 5

Operator ID: CDC

Column Type: ZB-624

Column Dia: 0.25 mm

93 o-Xylene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
 SDG No.: _____
 Client Sample ID: MW-3DR Lab Sample ID: 480-5072-2
 Matrix: Water Lab File ID: P2795.D
 Analysis Method: 8260B Date Collected: 05/18/2011 11:20
 Sample wt/vol: 5(mL) Date Analyzed: 05/25/2011 16:52
 Soil Aliquot Vol: _____ Dilution Factor: 8
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 17444 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	1800	E	8.0	3.3
108-88-3	Toluene	460		8.0	4.1
100-41-4	Ethylbenzene	1300	E	8.0	5.9
179601-23-1	m-Xylene & p-Xylene	430		16	5.3
95-47-6	o-Xylene	350		8.0	6.1
1330-20-7	Xylenes, Total	780		16	5.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	77		66-137
2037-26-5	Toluene-d8 (Surr)	97		71-126
460-00-4	4-Bromofluorobenzene (Surr)	112		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3436.b\P2795.D
 Lims ID: 480-5072-E-2 Client ID: MW-3DR
 Inject. Date: 25-May-2011 16:52:30 Dil. Factor: 8.0000
 Sample Type: Client
 Sample ID: 480-5072-E-2
 Misc. Info.: 480-0003436-013 =480-0003436-013
 Operator: PJQ Instrument ID: HP5973P
 Vol. Injected: 1.0000 ALS Bottle#: 13
 Lims Batch ID: 17444 Lims Sample ID: 13
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973P\20110525-3436.b\P-8260.m
 Last Update: 25-May-2011 20:17:31 Calib Date: 17-May-2011 15:59:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973P\20110517-3207.b\P2557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: cwiklinc

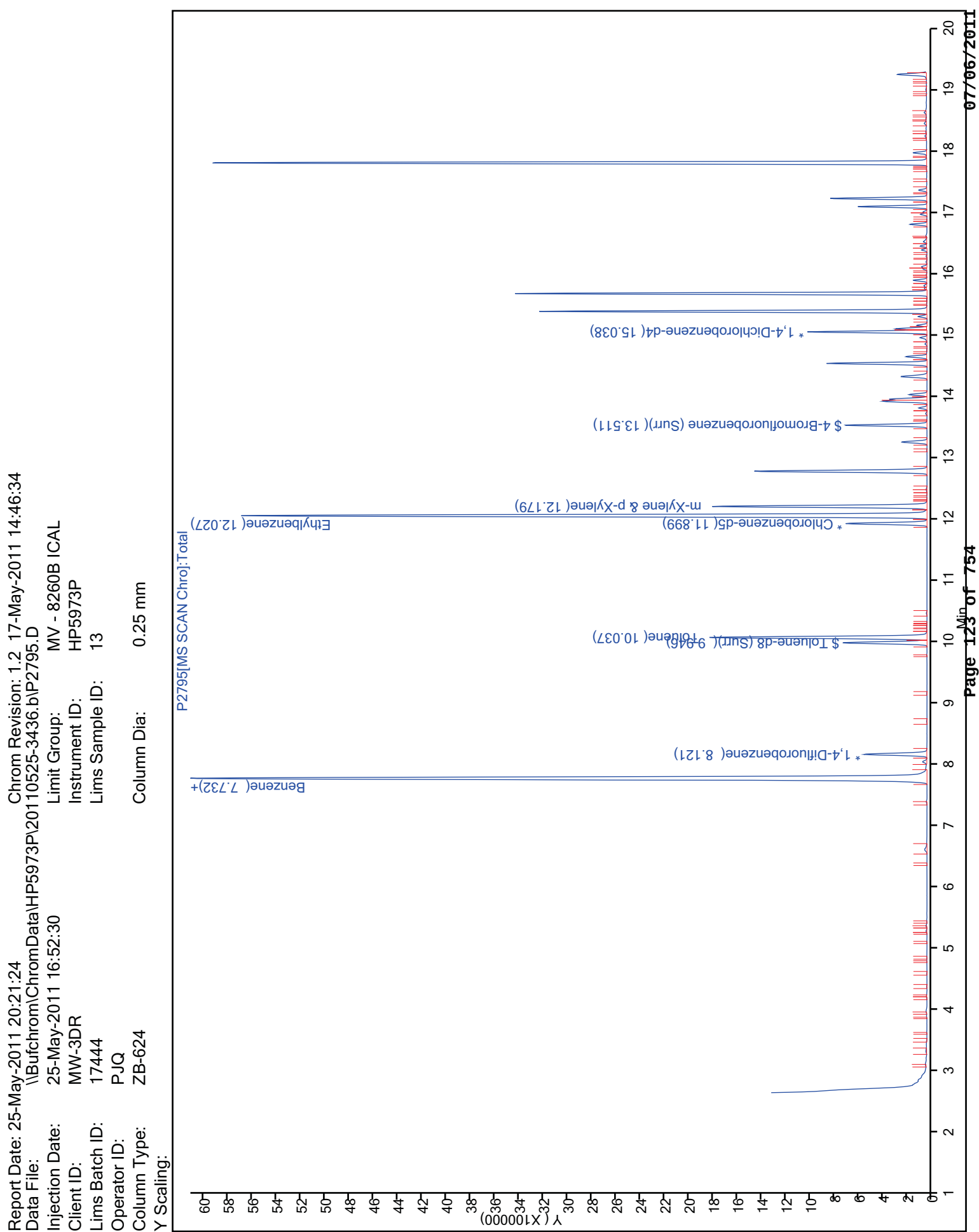
Date: 25-May-2011 20:21:24

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	8.121	8.121	0.0	92	633524	25.0	
* 2 Chlorobenzene-d5	82	11.899	11.899	0.0	81	270378	25.0	
* 3 1,4-Dichlorobenzene-d4	152	15.038	15.038	0.0	91	388820	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	7.689	7.683	0.006	84	104425	19.3	
\$ 5 Toluene-d8 (Surr)	98	9.946	9.946	0.0	92	660225	24.3	
\$ 6 4-Bromofluorobenzene (Surr)	174	13.511	13.511	0.0	96	324502	28.1	
57 Benzene	78	7.732	7.726	0.006	96	7376363	223.2	E
76 Toluene	92	10.037	10.031	0.006	99	1155283	58.0	
89 Ethylbenzene	91	12.027	12.027	0.0	95	5859592	160.0	E
90 m-Xylene & p-Xylene	106	12.179	12.179	0.0	97	770105	53.9	
93 o-Xylene	106	12.757	12.757	0.0	96	592048	43.5	
S 125 Total BTEX	1				0		538.6	
S 126 Xylenes, Total	1				0		97.3	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount



Report Date: 25-May-2011 20:21:24

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3436.b\P2795.D

Injection Date: 25-May-2011 16:52:30

Limit Group: MV - 8260B ICAL

Client ID: MW-3DR

Instrument ID: HP5973P

Lims Batch ID: 17444

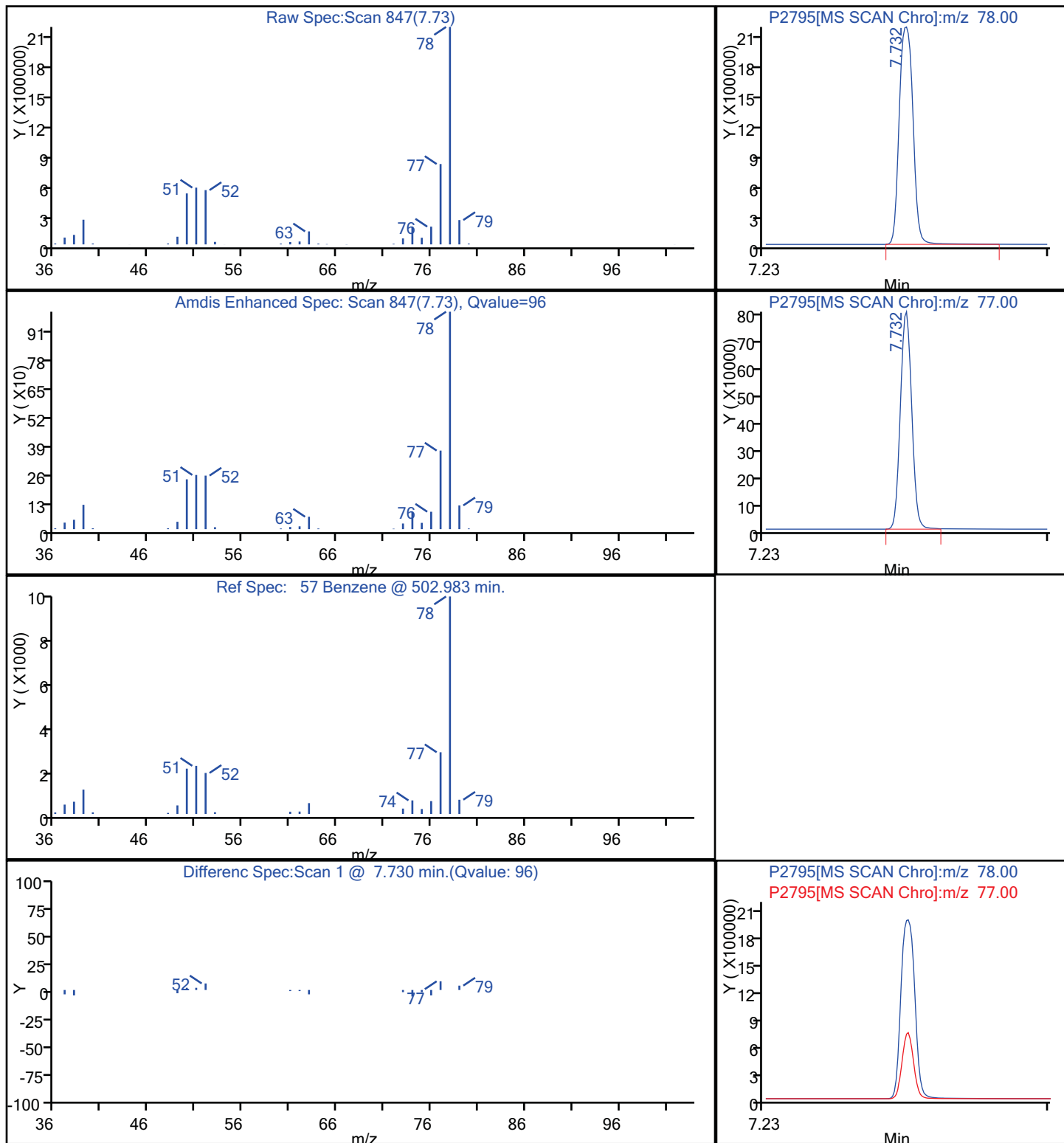
Lims Sample ID: 13

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

57 Benzene



Report Date: 25-May-2011 20:21:24

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3436.b\P2795.D

Injection Date: 25-May-2011 16:52:30

Limit Group: MV - 8260B ICAL

Client ID: MW-3DR

Instrument ID: HP5973P

Lims Batch ID: 17444

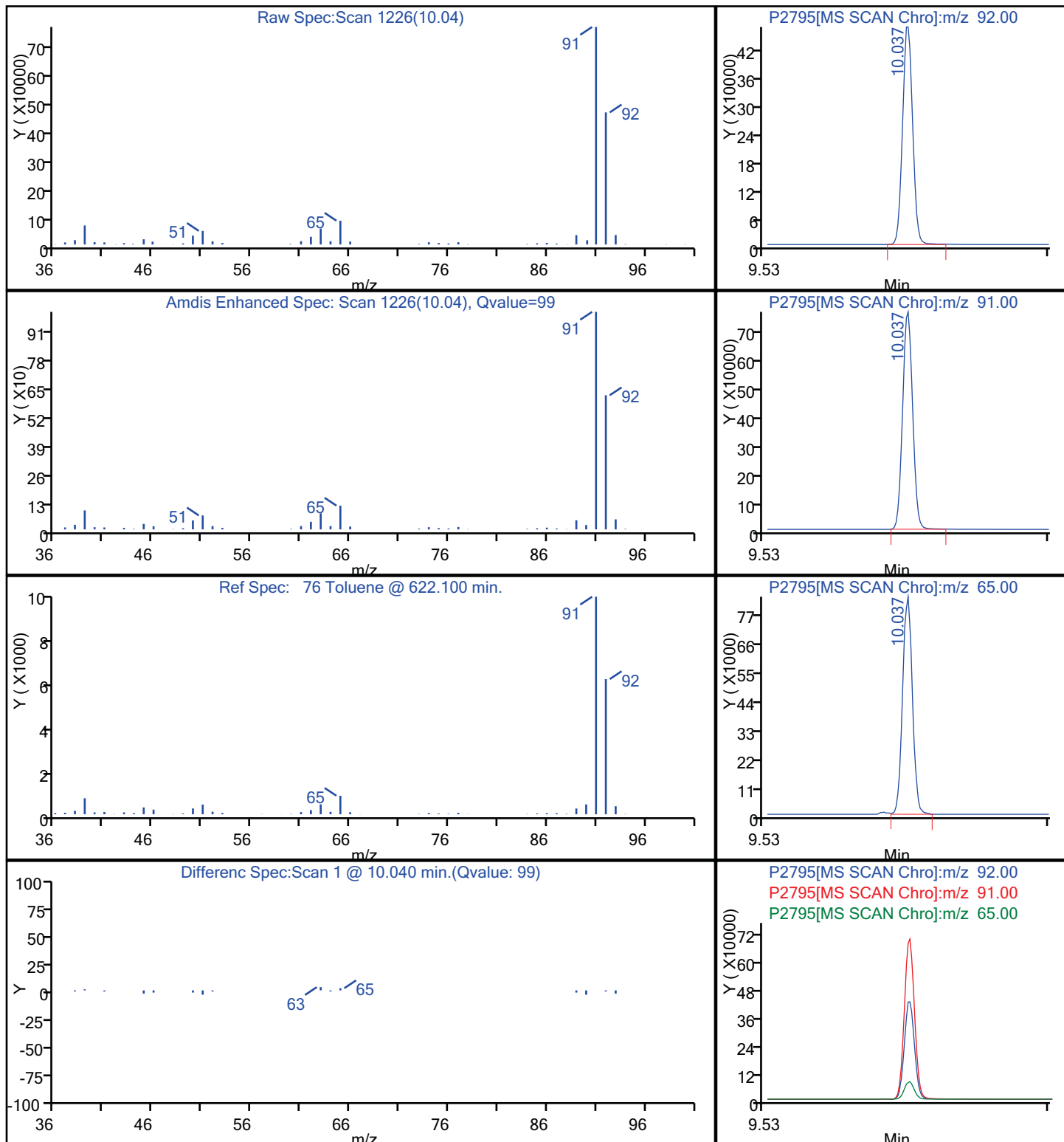
Lims Sample ID: 13

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

76 Toluene



Report Date: 25-May-2011 20:21:24

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3436.b\P2795.D

Injection Date: 25-May-2011 16:52:30

Limit Group: MV - 8260B ICAL

Client ID: MW-3DR

Instrument ID: HP5973P

Lims Batch ID: 17444

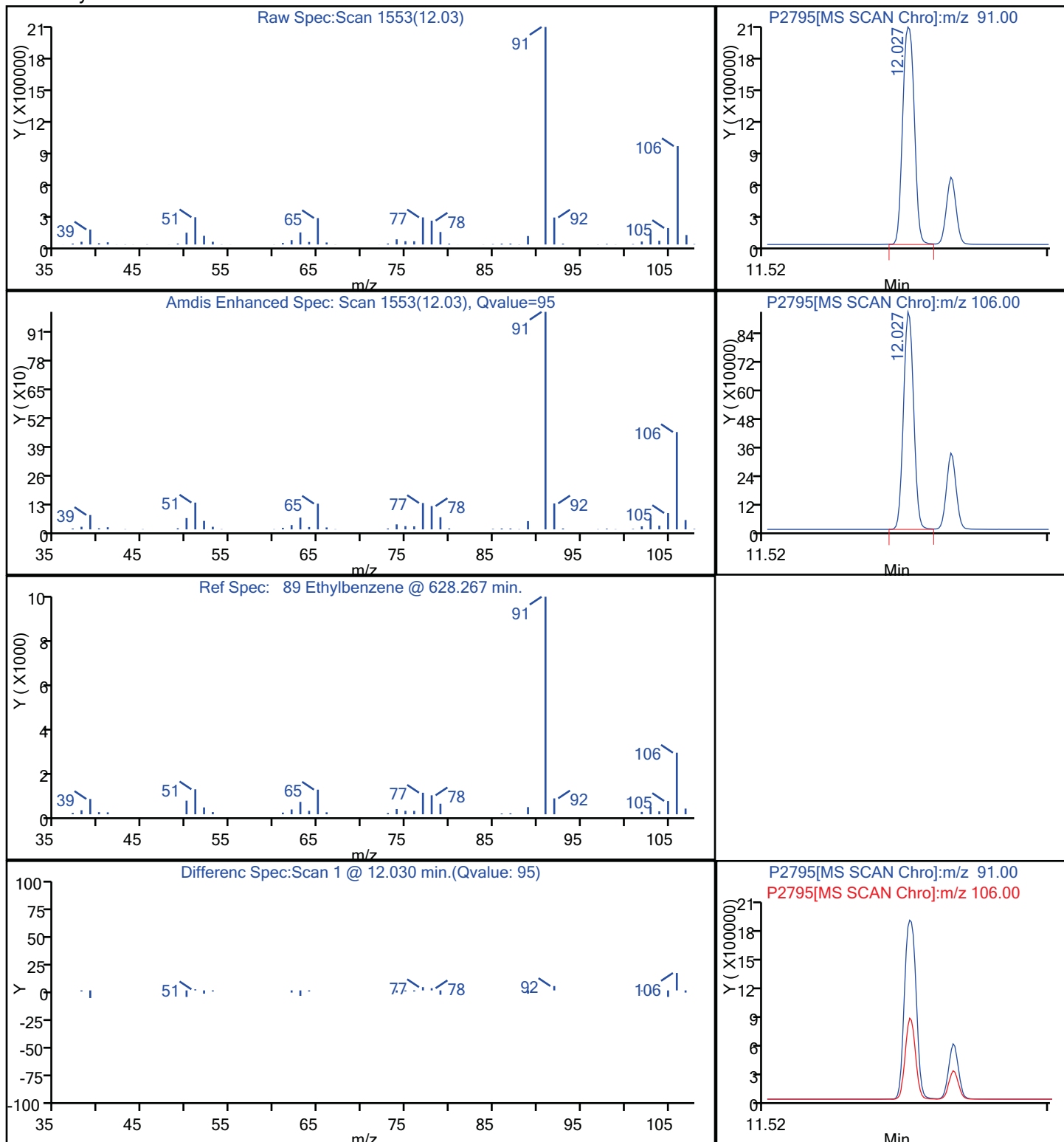
Lims Sample ID: 13

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

89 Ethylbenzene



Report Date: 25-May-2011 20:21:24

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3436.b\P2795.D

Injection Date: 25-May-2011 16:52:30

Limit Group: MV - 8260B ICAL

Client ID: MW-3DR

Instrument ID: HP5973P

Lims Batch ID: 17444

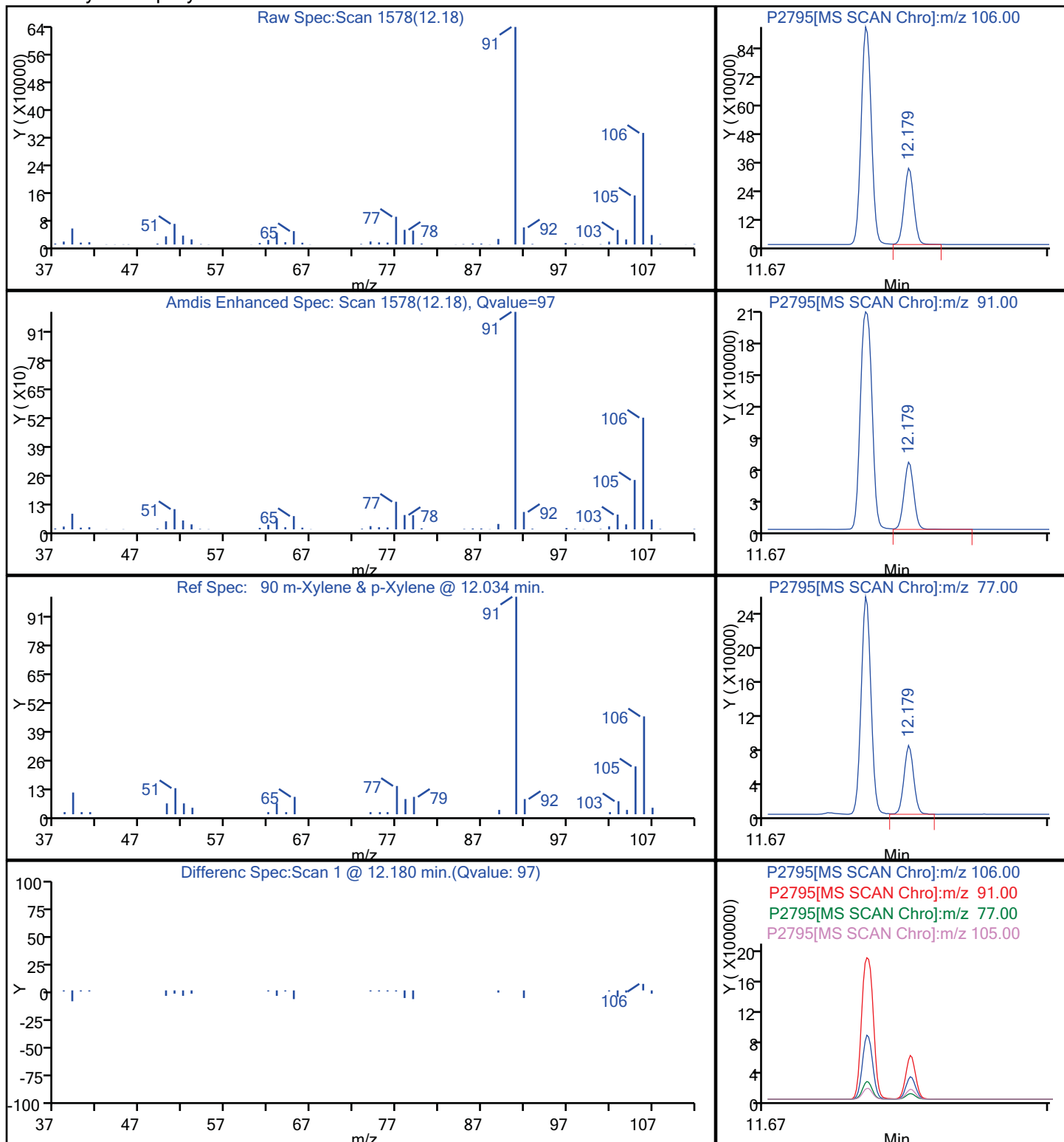
Lims Sample ID: 13

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

90 m-Xylene & p-Xylene



Report Date: 25-May-2011 20:21:24

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3436.b\P2795.D

Injection Date: 25-May-2011 16:52:30

Limit Group: MV - 8260B ICAL

Client ID: MW-3DR

Instrument ID: HP5973P

Lims Batch ID: 17444

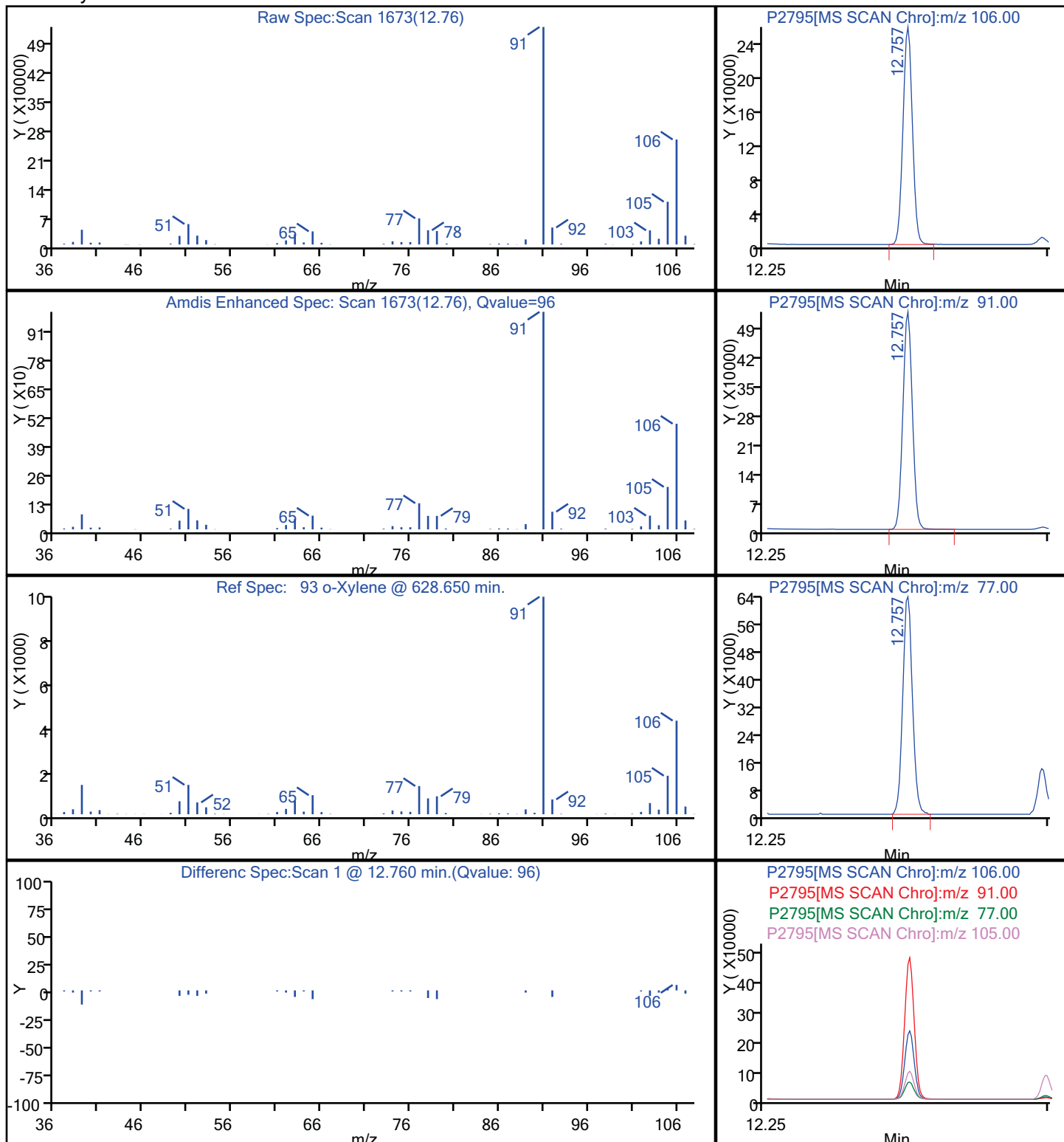
Lims Sample ID: 13

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

93 o-Xylene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.: _____

Client Sample ID: MW-3DR DL Lab Sample ID: 480-5072-2 DL

Matrix: Water Lab File ID: P2811.D

Analysis Method: 8260B Date Collected: 05/18/2011 11:20

Sample wt/vol: 5 (mL) Date Analyzed: 05/26/2011 00:15

Soil Aliquot Vol: _____ Dilution Factor: 40

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 17555 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	2700		40	16
108-88-3	Toluene	490		40	20
100-41-4	Ethylbenzene	1800		40	30
179601-23-1	m-Xylene & p-Xylene	450		80	26
95-47-6	o-Xylene	350		40	30
1330-20-7	Xylenes, Total	800		80	26

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	81		66-137
2037-26-5	Toluene-d8 (Surr)	95		71-126
460-00-4	4-Bromofluorobenzene (Surr)	111		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3466.b\2811.D
 Lims ID: 480-5072-F-2 Client ID: MW-3DR
 Inject. Date: 26-May-2011 00:15:30 Dil. Factor: 40.0000
 Sample Type: Client
 Sample ID: 480-5072-F-2
 Misc. Info.: 480-0003466-006 =480-0003466-006
 Operator: CDC Instrument ID: HP5973P
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 17555 Lims Sample ID: 6
 Detector: MS SCAN

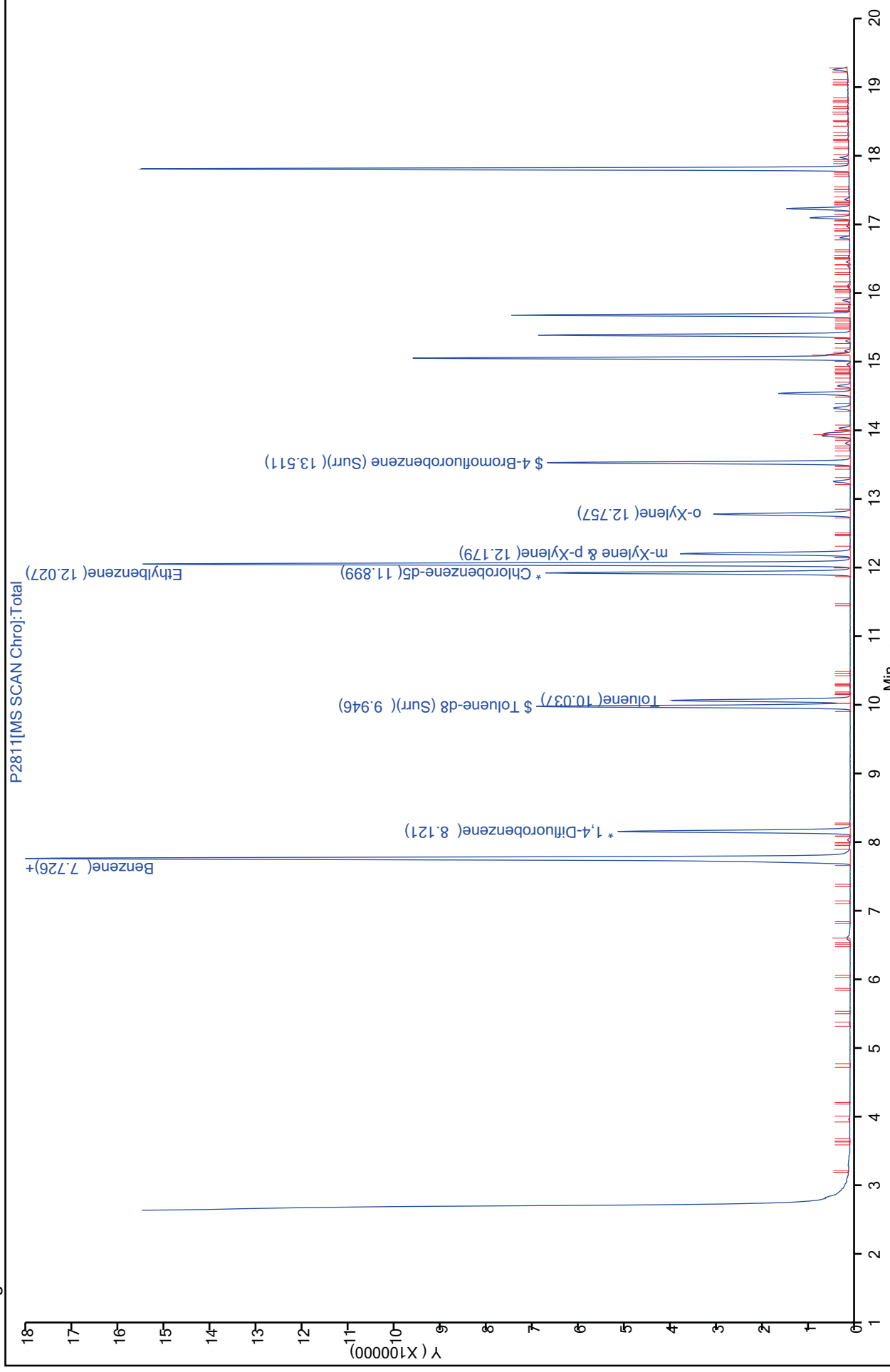
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 Last Update: 26-May-2011 00:53:00 Calib Date: 17-May-2011 15:59:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973P\20110517-3207.b\2557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 26-May-2011 09:59:32

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	8.121	8.121	0.0	92	588497	25.0	
* 2 Chlorobenzene-d5	82	11.899	11.899	0.0	81	257836	25.0	
* 3 1,4-Dichlorobenzene-d4	152	15.038	15.038	0.0	91	367167	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	7.683	7.683	0.0	59	101697	20.2	
\$ 5 Toluene-d8 (Surr)	98	9.946	9.946	0.0	91	617475	23.8	
\$ 6 4-Bromofluorobenzene (Surr)	174	13.511	13.511	0.0	96	304888	27.7	
57 Benzene	78	7.726	7.726	0.0	96	2107531	68.7	
76 Toluene	92	10.037	10.031	0.006	98	234298	12.3	
89 Ethylbenzene	91	12.027	12.027	0.0	98	1594976	45.7	
90 m-Xylene & p-Xylene	106	12.179	12.179	0.0	98	153479	11.3	
93 o-Xylene	106	12.757	12.757	0.0	96	113639	8.76	
S 125 Total BTEX	1				0		146.7	
S 126 Xylenes, Total	1				0		20.0	

Report Date: 26-May-2011 09:59:32 Chrom Revision: 1.2 17-May-2011 14:46:34
Data File: \\Bufchrom\ChromData\HP5973P\20110525-3466.b\P2811.D
Injection Date: 26-May-2011 00:15:30 Limit Group: MV - 8260B ICAL
Client ID: MW-3DR Instrument ID: HP5973P
Lims Batch ID: 17555 Lims Sample ID: 6
Operator ID: CDC
Column Type: ZB-624 Column Dia: 0.25 mm
Y Scaling:



Report Date: 26-May-2011 09:59:32

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3466.b\P2811.D

Injection Date: 26-May-2011 00:15:30

Limit Group: MV - 8260B ICAL

Client ID: MW-3DR

Instrument ID: HP5973P

Lims Batch ID: 17555

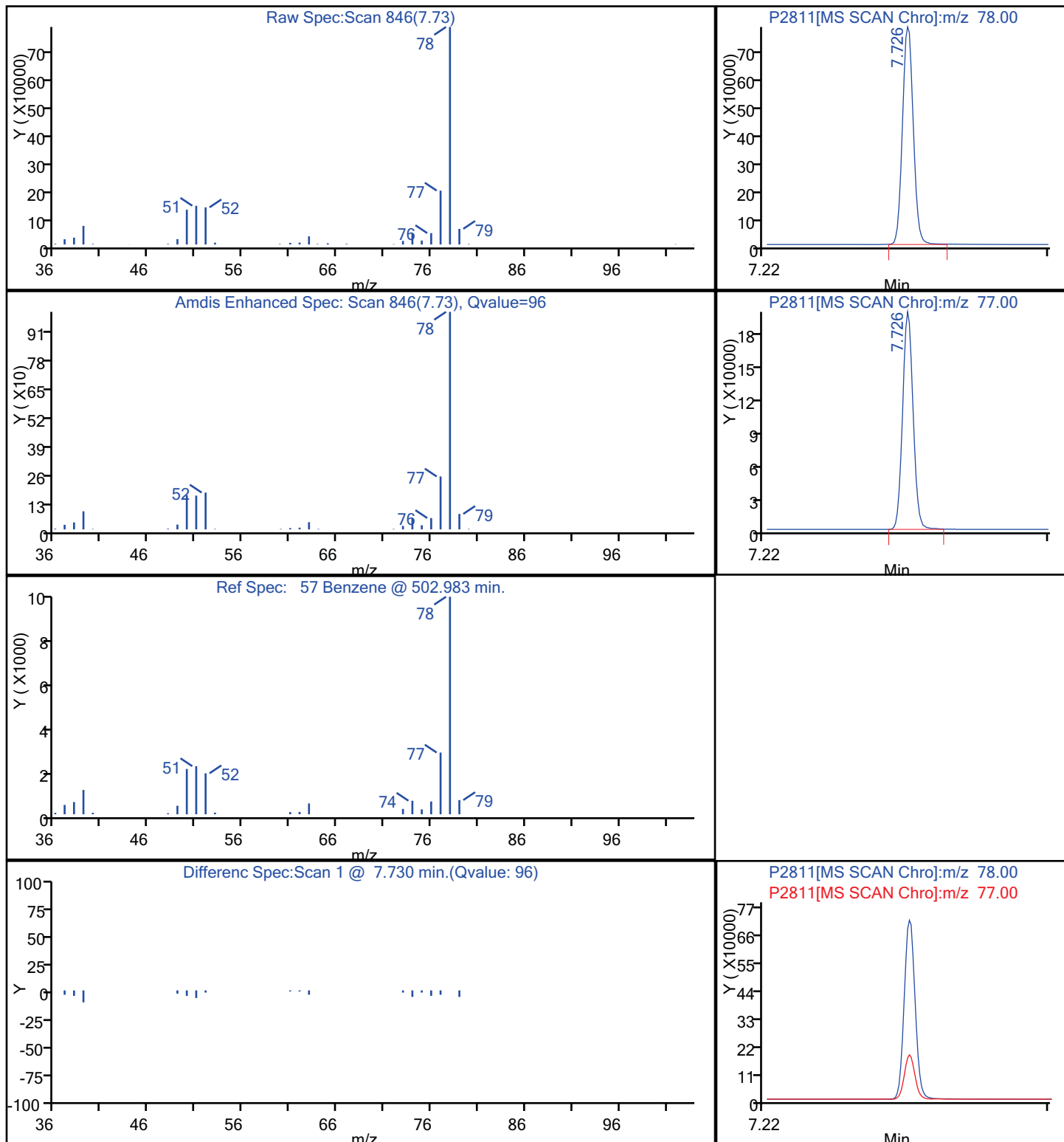
Lims Sample ID: 6

Operator ID: CDC

Column Type: ZB-624

Column Dia: 0.25 mm

57 Benzene



Report Date: 26-May-2011 09:59:32

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3466.b\P2811.D

Injection Date: 26-May-2011 00:15:30

Limit Group: MV - 8260B ICAL

Client ID: MW-3DR

Instrument ID: HP5973P

Lims Batch ID: 17555

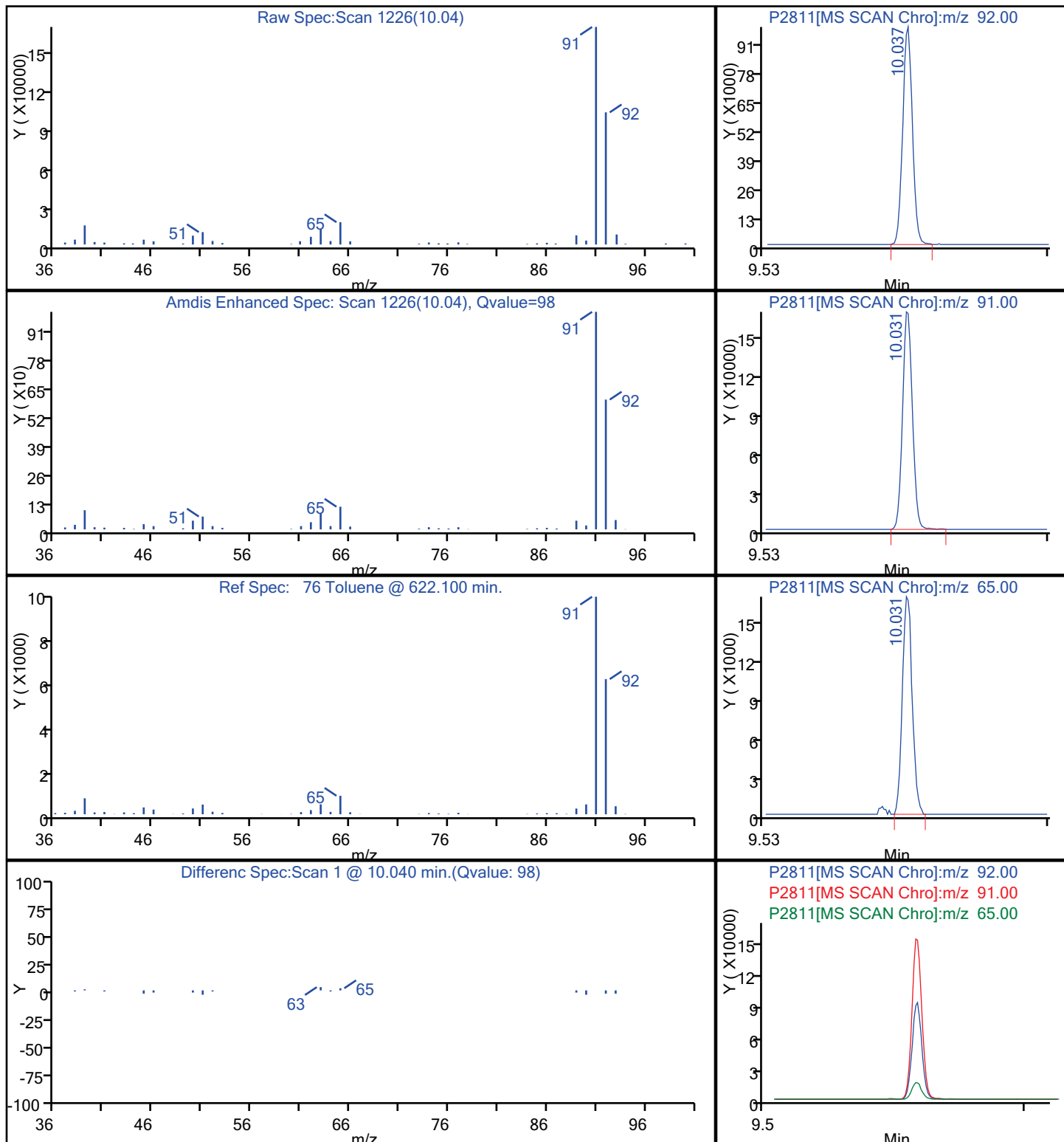
Lims Sample ID: 6

Operator ID: CDC

Column Type: ZB-624

Column Dia: 0.25 mm

76 Toluene



Report Date: 26-May-2011 09:59:32

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3466.b\P2811.D

Injection Date: 26-May-2011 00:15:30

Limit Group: MV - 8260B ICAL

Client ID: MW-3DR

Instrument ID: HP5973P

Lims Batch ID: 17555

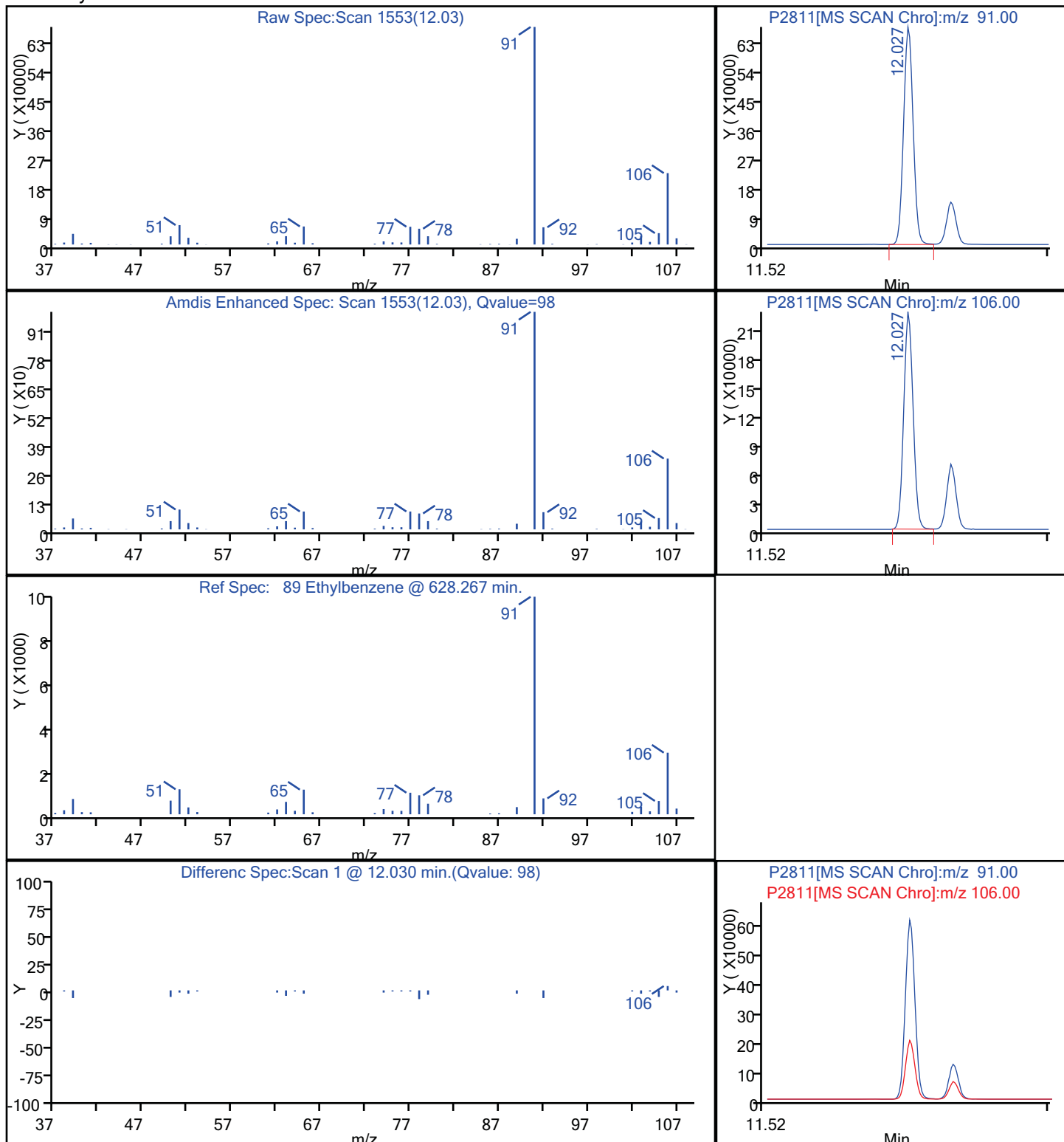
Lims Sample ID: 6

Operator ID: CDC

Column Type: ZB-624

Column Dia: 0.25 mm

89 Ethylbenzene



Report Date: 26-May-2011 09:59:33

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3466.b\P2811.D

Injection Date: 26-May-2011 00:15:30

Limit Group: MV - 8260B ICAL

Client ID: MW-3DR

Instrument ID: HP5973P

Lims Batch ID: 17555

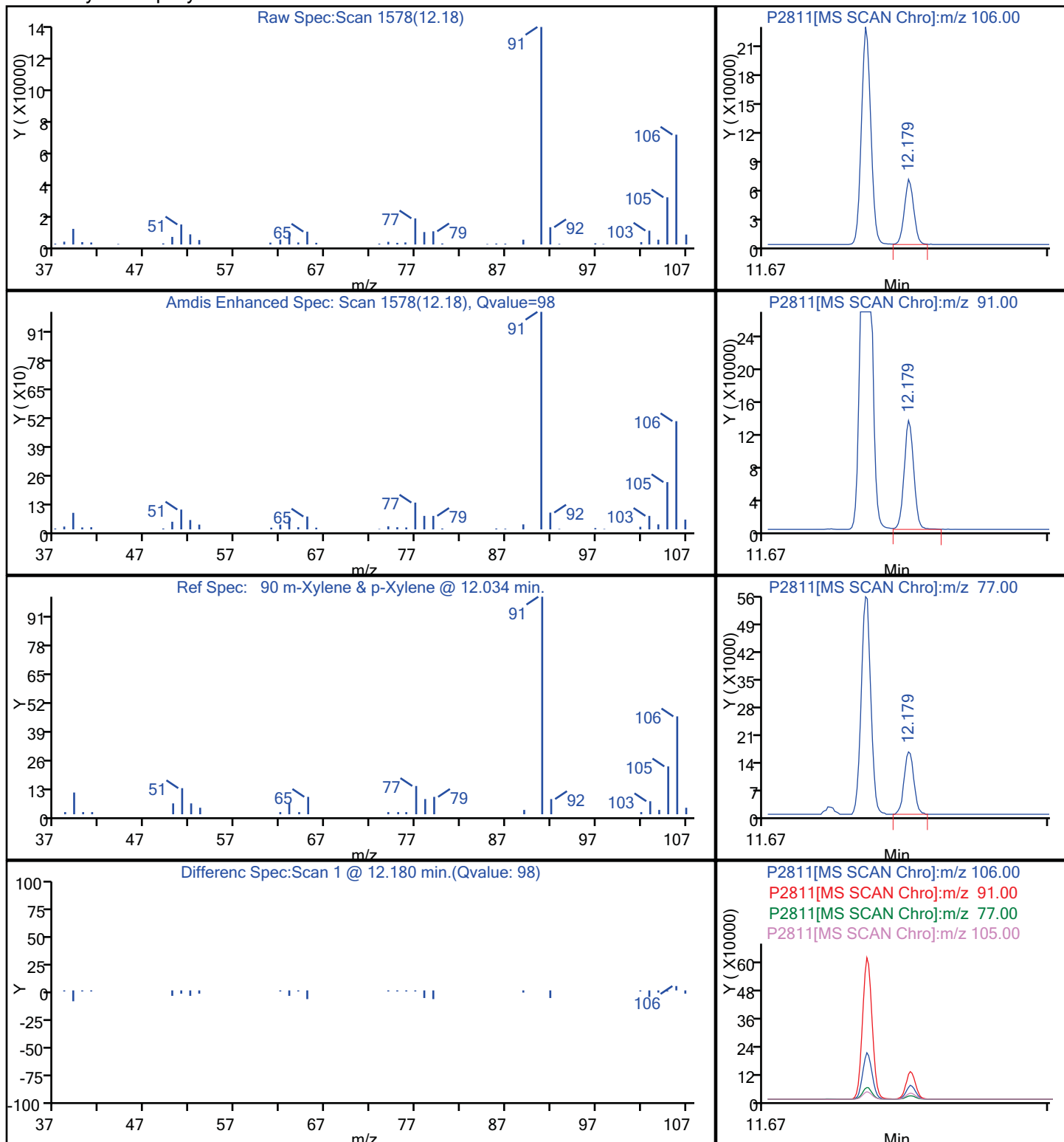
Lims Sample ID: 6

Operator ID: CDC

Column Type: ZB-624

Column Dia: 0.25 mm

90 m-Xylene & p-Xylene



Report Date: 26-May-2011 09:59:33

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3466.b\P2811.D

Injection Date: 26-May-2011 00:15:30

Limit Group: MV - 8260B ICAL

Client ID: MW-3DR

Instrument ID: HP5973P

Lims Batch ID: 17555

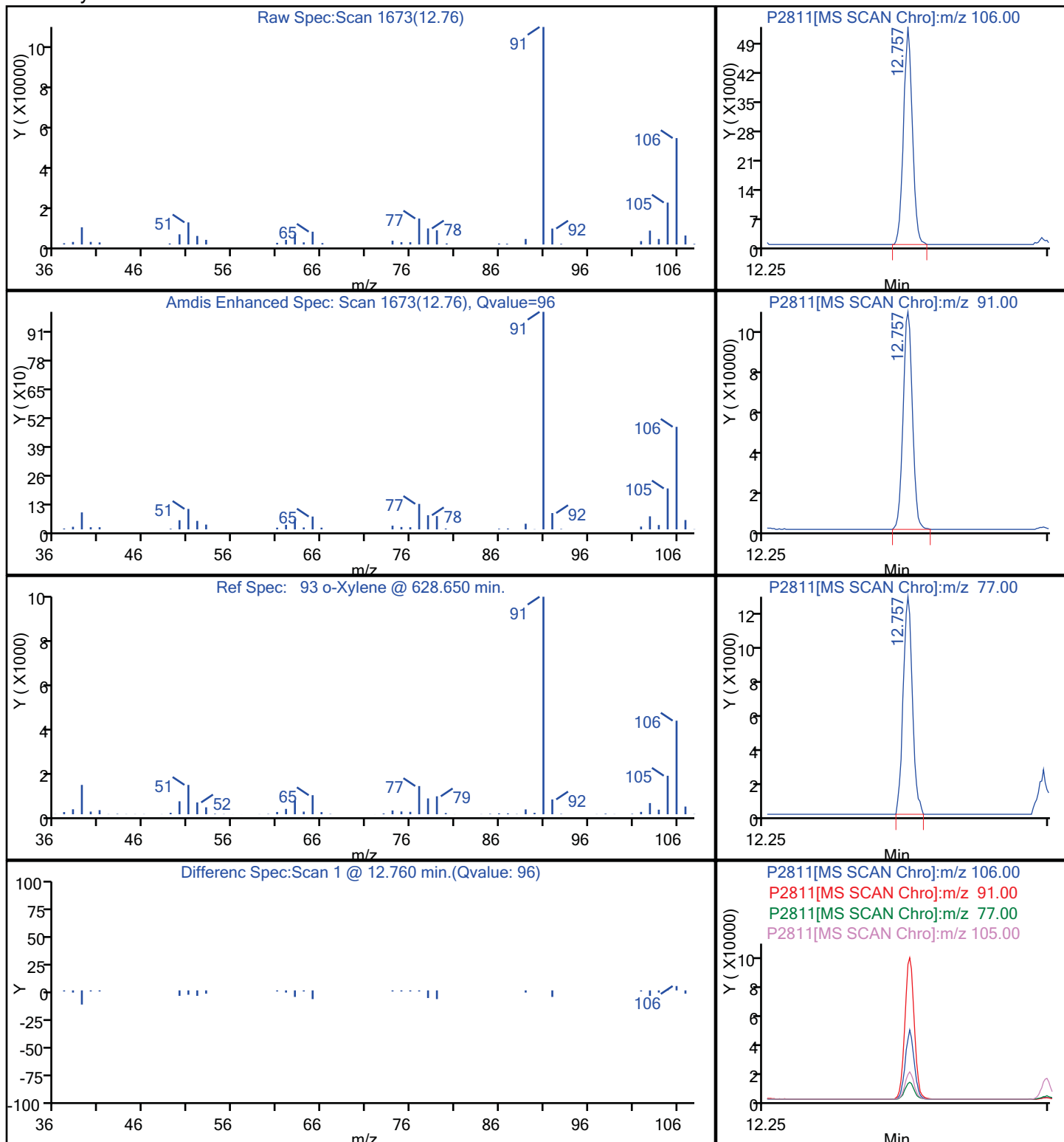
Lims Sample ID: 6

Operator ID: CDC

Column Type: ZB-624

Column Dia: 0.25 mm

93 o-Xylene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
 SDG No.: _____
 Client Sample ID: MW-3DR DUP Lab Sample ID: 480-5072-3
 Matrix: Water Lab File ID: P2796.D
 Analysis Method: 8260B Date Collected: 05/18/2011 11:20
 Sample wt/vol: 5(mL) Date Analyzed: 05/25/2011 17:17
 Soil Aliquot Vol: _____ Dilution Factor: 10
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 17444 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	1900	E	10	4.1
108-88-3	Toluene	420		10	5.1
100-41-4	Ethylbenzene	1300	E	10	7.4
179601-23-1	m-Xylene & p-Xylene	370		20	6.6
95-47-6	o-Xylene	310		10	7.6
1330-20-7	Xylenes, Total	680		20	6.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	79		66-137
2037-26-5	Toluene-d8 (Surr)	96		71-126
460-00-4	4-Bromofluorobenzene (Surr)	111		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3436.b\P2796.D
 Lims ID: 480-5072-E-3 Client ID: MW-3DR DUP
 Inject. Date: 25-May-2011 17:17:30 Dil. Factor: 10.0000
 Sample Type: Client
 Sample ID: 480-5072-E-3
 Misc. Info.: 480-0003436-014 =480-0003436-014
 Operator: PJQ Instrument ID: HP5973P
 Vol. Injected: 1.0000 ALS Bottle#: 14
 Lims Batch ID: 17444 Lims Sample ID: 14
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973P\20110525-3436.b\P-8260.m
 Last Update: 25-May-2011 20:17:31 Calib Date: 17-May-2011 15:59:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973P\20110517-3207.b\P2557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: cwiklinc

Date: 25-May-2011 20:22:08

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	8.121	8.121	0.0	92	622055	25.0	
* 2 Chlorobenzene-d5	82	11.899	11.899	0.0	80	272189	25.0	
* 3 1,4-Dichlorobenzene-d4	152	15.038	15.038	0.0	91	392553	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	7.683	7.683	0.0	90	104912	19.8	
\$ 5 Toluene-d8 (Surr)	98	9.946	9.946	0.0	92	654051	23.9	
\$ 6 4-Bromofluorobenzene (Surr)	174	13.511	13.511	0.0	96	323218	27.8	
57 Benzene	78	7.726	7.726	0.0	98	6319872	194.8	E
76 Toluene	92	10.037	10.031	0.006	99	847357	42.3	
89 Ethylbenzene	91	12.027	12.027	0.0	97	4717429	127.9	E
90 m-Xylene & p-Xylene	106	12.179	12.179	0.0	98	534568	37.1	
93 o-Xylene	106	12.757	12.757	0.0	96	426155	31.1	
S 125 Total BTEX	1				0		433.2	
S 126 Xylenes, Total	1				0		68.2	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Report Date: 25-May-2011 20:22:08

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File:

\\Bufchrom\ChromData\HP5973P\20110525-3436.b\P2796.D

Injection Date:

25-May-2011 17:17:30

Limit Group:

MV - 8260B ICAL

Client ID:

MW-3DR DUP

Instrument ID:

HP5973P

Lims Batch ID:

17444

Lims Sample ID:

14

Operator ID:

PJQ

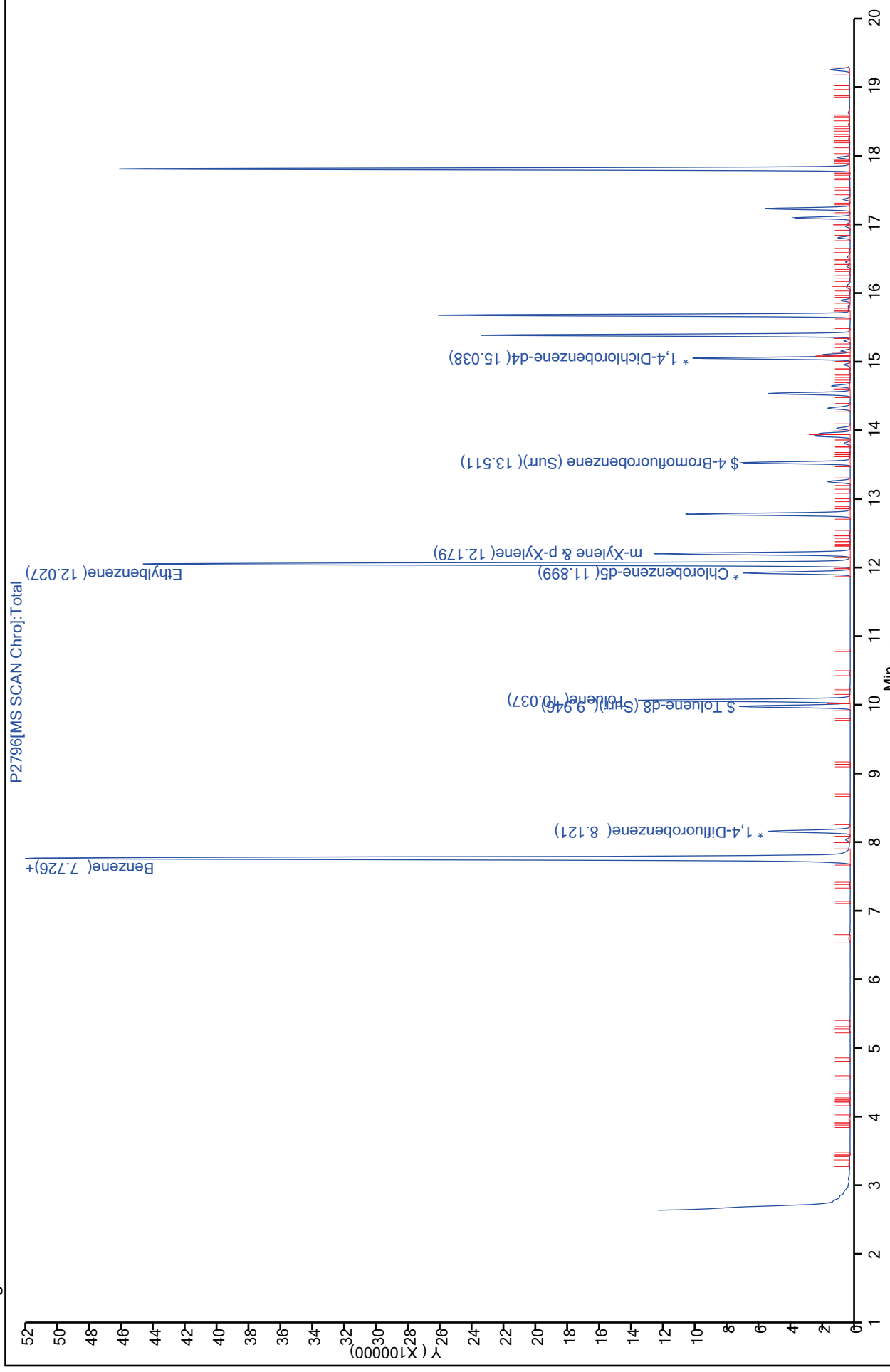
Column Type:

ZB-624

Column Dia:

0.25 mm

Y Scaling:



Report Date: 25-May-2011 20:22:08

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3436.b\P2796.D

Injection Date: 25-May-2011 17:17:30

Limit Group: MV - 8260B ICAL

Client ID: MW-3DR DUP

Instrument ID: HP5973P

Lims Batch ID: 17444

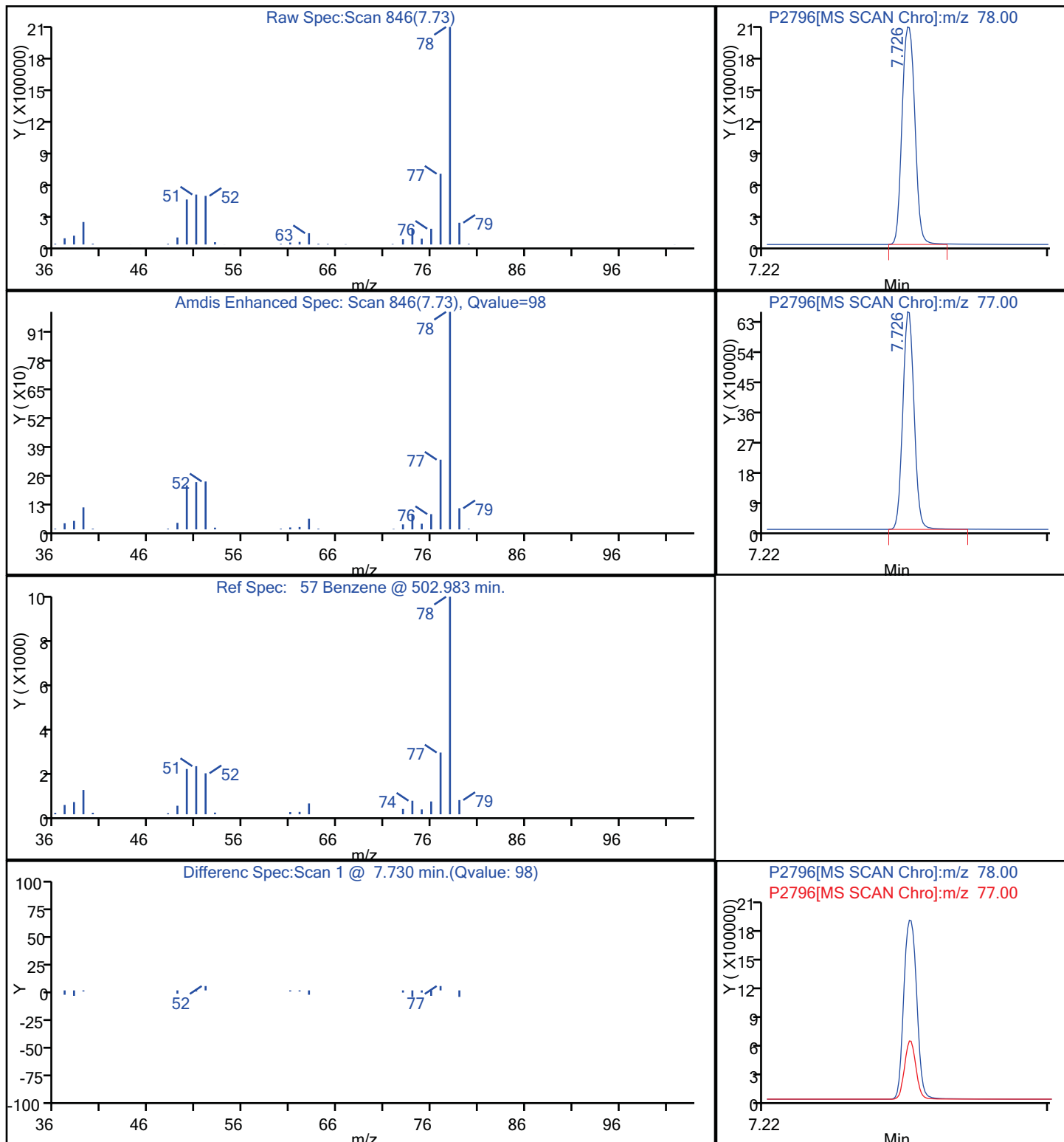
Lims Sample ID: 14

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

57 Benzene



Report Date: 25-May-2011 20:22:08

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3436.b\P2796.D

Injection Date: 25-May-2011 17:17:30

Limit Group: MV - 8260B ICAL

Client ID: MW-3DR DUP

Instrument ID: HP5973P

Lims Batch ID: 17444

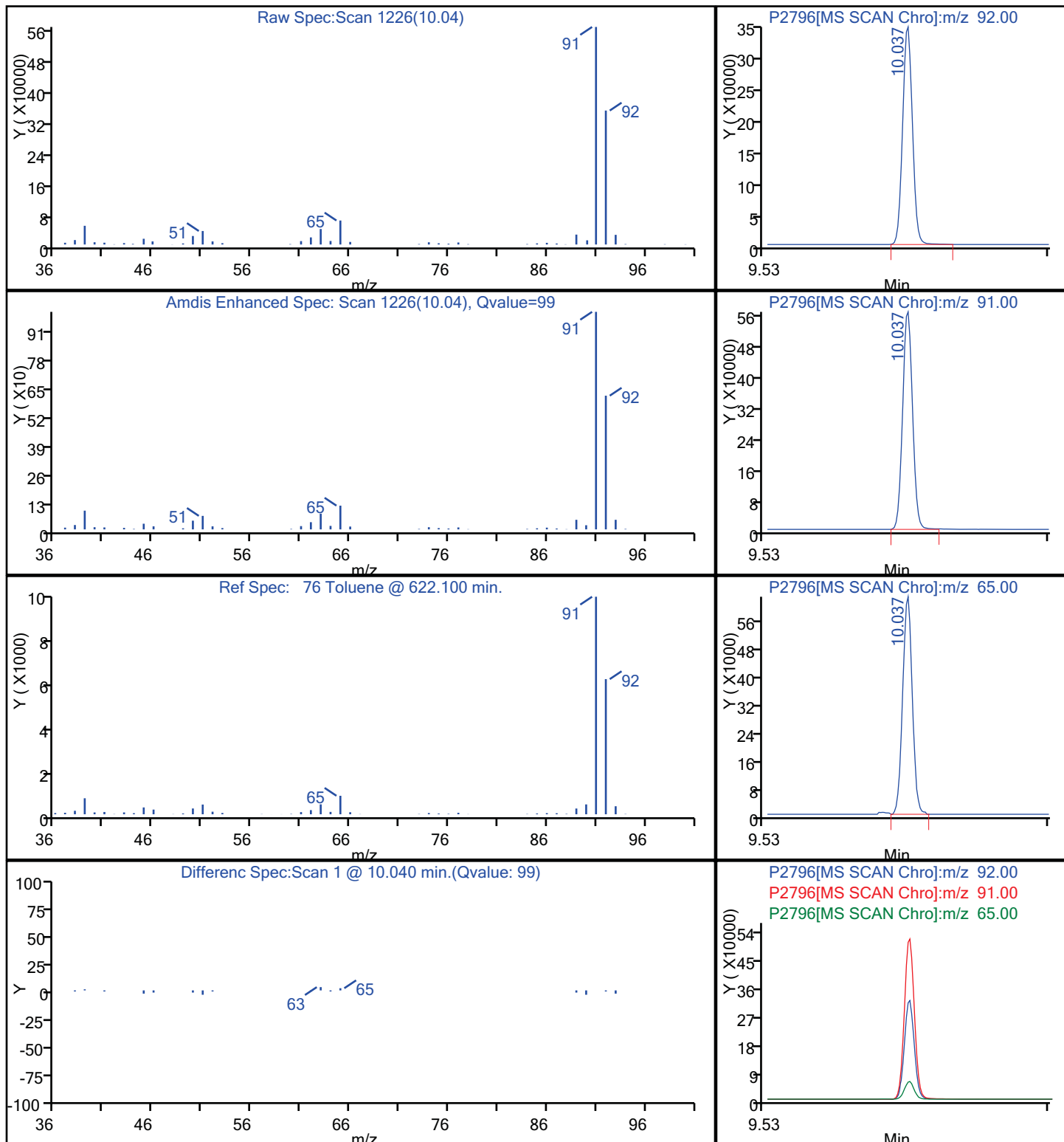
Lims Sample ID: 14

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

76 Toluene



Report Date: 25-May-2011 20:22:08

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3436.b\P2796.D

Injection Date: 25-May-2011 17:17:30

Limit Group: MV - 8260B ICAL

Client ID: MW-3DR DUP

Instrument ID: HP5973P

Lims Batch ID: 17444

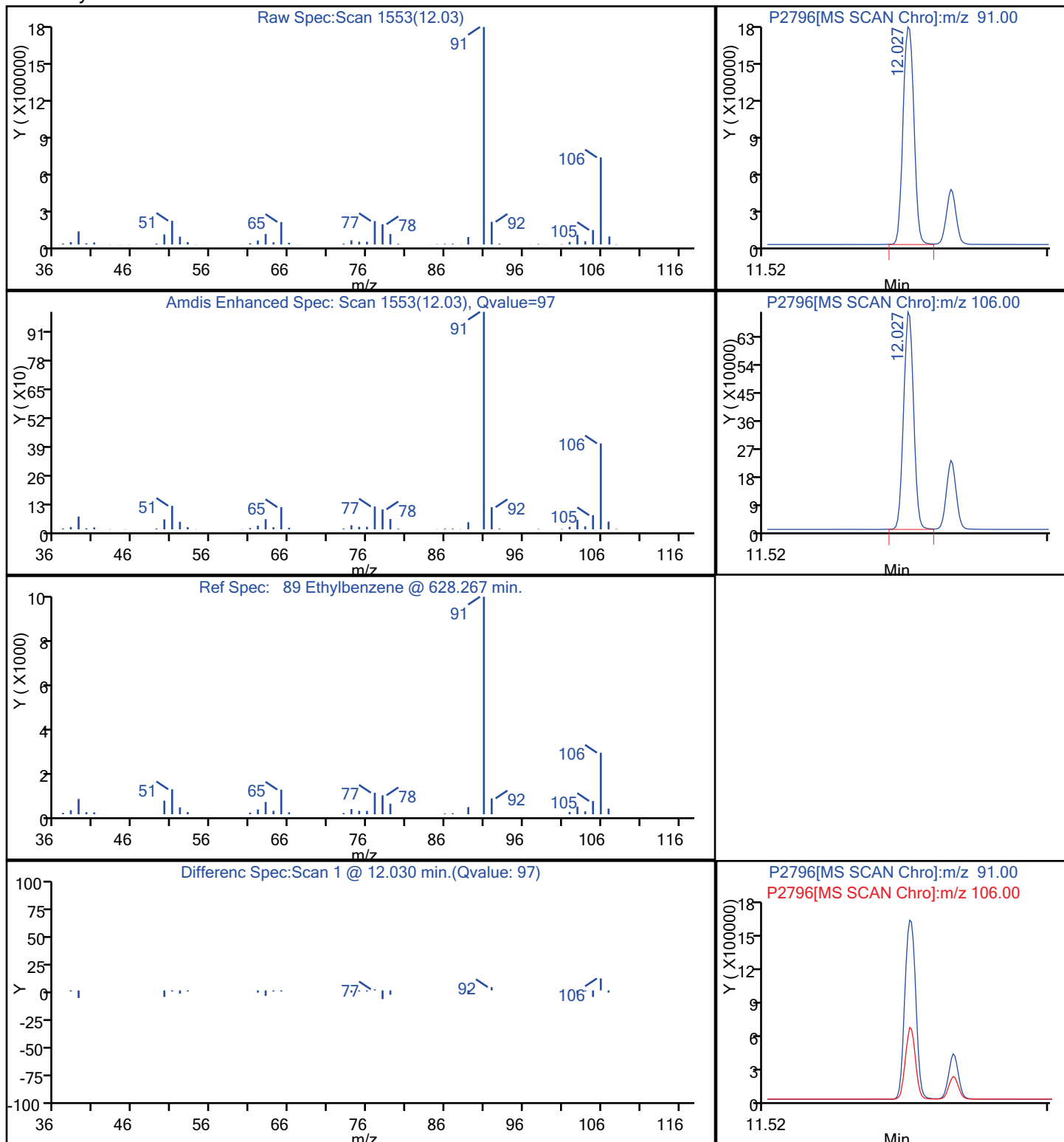
Lims Sample ID: 14

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

89 Ethylbenzene



Report Date: 25-May-2011 20:22:08

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3436.b\P2796.D

Injection Date: 25-May-2011 17:17:30

Limit Group: MV - 8260B ICAL

Client ID: MW-3DR DUP

Instrument ID: HP5973P

Lims Batch ID: 17444

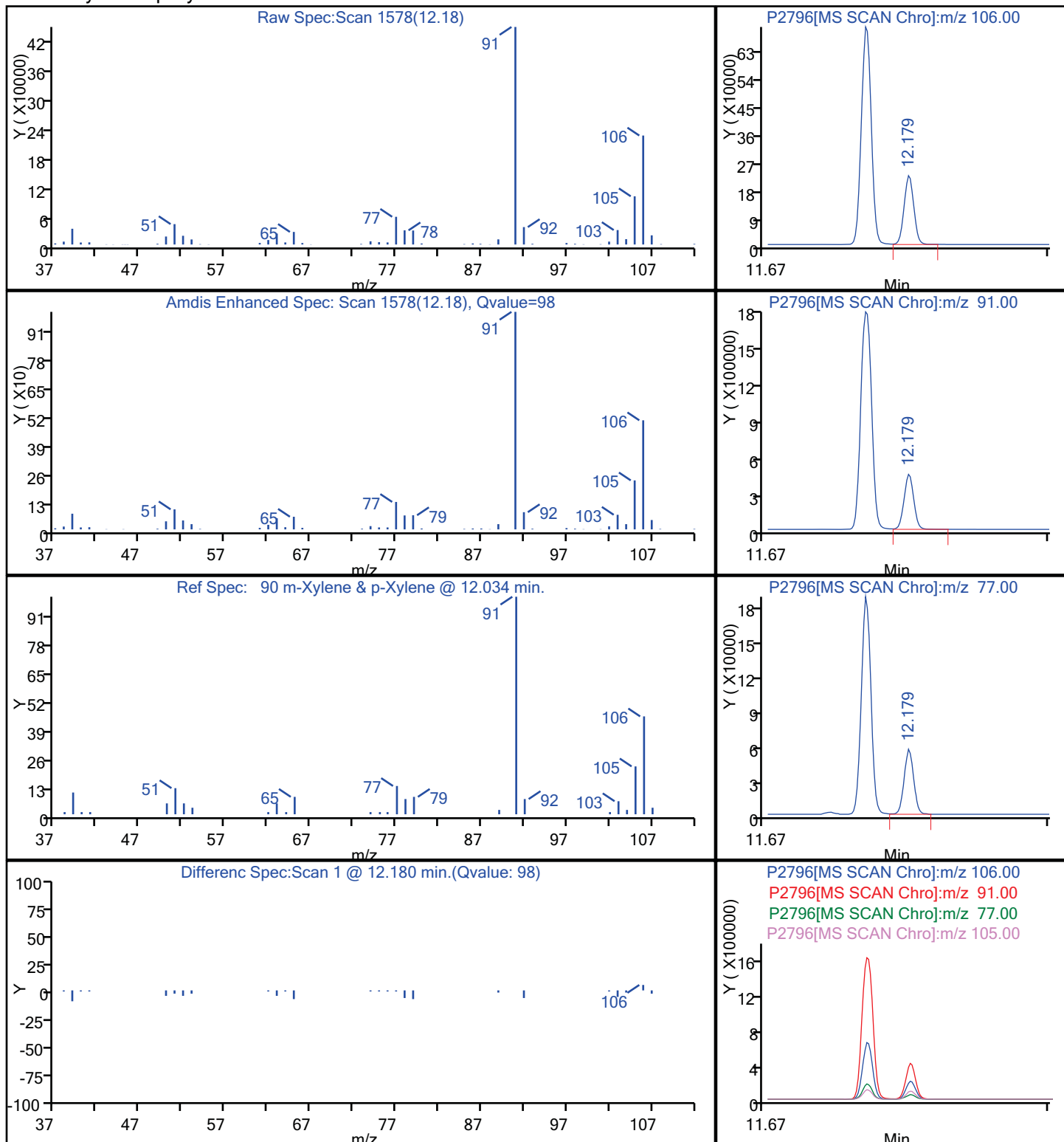
Lims Sample ID: 14

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

90 m-Xylene & p-Xylene



Report Date: 25-May-2011 20:22:08

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3436.b\P2796.D

Injection Date: 25-May-2011 17:17:30

Limit Group: MV - 8260B ICAL

Client ID: MW-3DR DUP

Instrument ID: HP5973P

Lims Batch ID: 17444

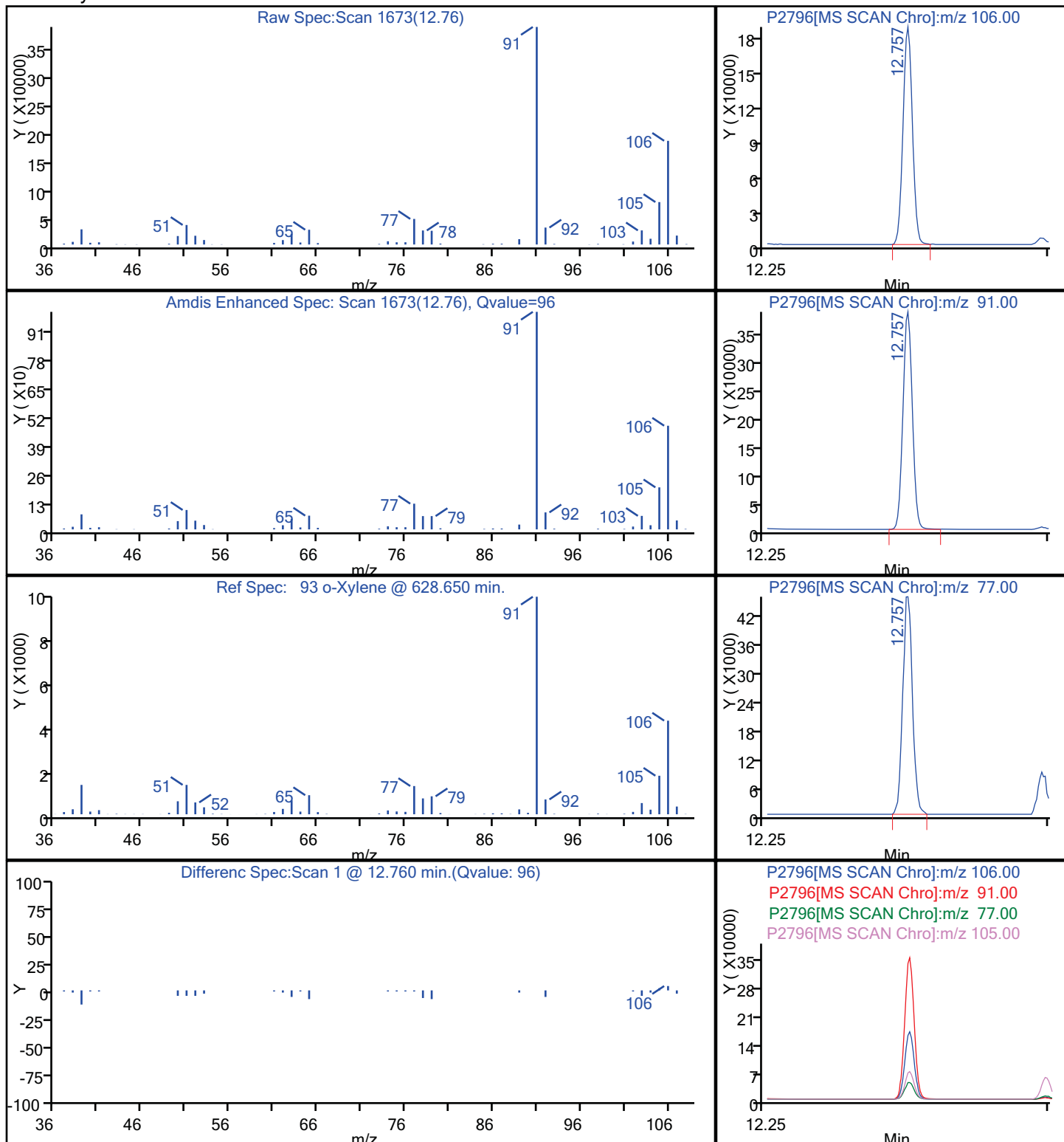
Lims Sample ID: 14

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

93 o-Xylene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
 SDG No.: _____
 Client Sample ID: MW-3DR DUP DL Lab Sample ID: 480-5072-3 DL
 Matrix: Water Lab File ID: P2812.D
 Analysis Method: 8260B Date Collected: 05/18/2011 11:20
 Sample wt/vol: 5(mL) Date Analyzed: 05/26/2011 00:40
 Soil Aliquot Vol: _____ Dilution Factor: 40
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 17555 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	2800		40	16
108-88-3	Toluene	500		40	20
100-41-4	Ethylbenzene	1800		40	30
179601-23-1	m-Xylene & p-Xylene	450		80	26
95-47-6	o-Xylene	350		40	30
1330-20-7	Xylenes, Total	800		80	26

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	82		66-137
2037-26-5	Toluene-d8 (Surr)	96		71-126
460-00-4	4-Bromofluorobenzene (Surr)	112		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3466.b\IP2812.D
 Lims ID: 480-5072-F-3 Client ID: MW-3DR DUP
 Inject. Date: 26-May-2011 00:40:30 Dil. Factor: 40.0000
 Sample Type: Client
 Sample ID: 480-5072-F-3
 Misc. Info.: 480-0003466-007 =480-0003466-007
 Operator: CDC Instrument ID: HP5973P
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 17555 Lims Sample ID: 7
 Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973P\20110525-3466.b\IP-8260.m
 Last Update: 26-May-2011 09:59:58 Calib Date: 17-May-2011 15:59:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973P\20110517-3207.b\IP2557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 26-May-2011 09:59:58

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	8.121	8.121	0.0	92	580128	25.0	
* 2 Chlorobenzene-d5	82	11.899	11.899	0.0	81	253293	25.0	
* 3 1,4-Dichlorobenzene-d4	152	15.038	15.038	0.0	91	358368	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	7.683	7.683	0.0	59	101523	20.5	
\$ 5 Toluene-d8 (Surr)	98	9.946	9.946	0.0	92	610066	24.0	
\$ 6 4-Bromofluorobenzene (Surr)	174	13.511	13.511	0.0	95	302935	28.0	
57 Benzene	78	7.726	7.726	0.0	96	2089744	69.1	
76 Toluene	92	10.037	10.031	0.006	98	234023	12.5	
89 Ethylbenzene	91	12.027	12.027	0.0	98	1545740	45.0	
90 m-Xylene & p-Xylene	106	12.179	12.179	0.0	98	150748	11.3	
93 o-Xylene	106	12.757	12.757	0.0	96	111466	8.74	
S 125 Total BTEX	1				0		146.6	
S 126 Xylenes, Total	1				0		20.0	

Report Date: 26-May-2011 09:59:58

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3466.b\P2812.D

Injection Date: 26-May-2011 00:40:30

Limit Group: MV - 8260B ICAL

Client ID: MW-3DR DUP

Instrument ID: HP5973P

Lims Batch ID: 17555

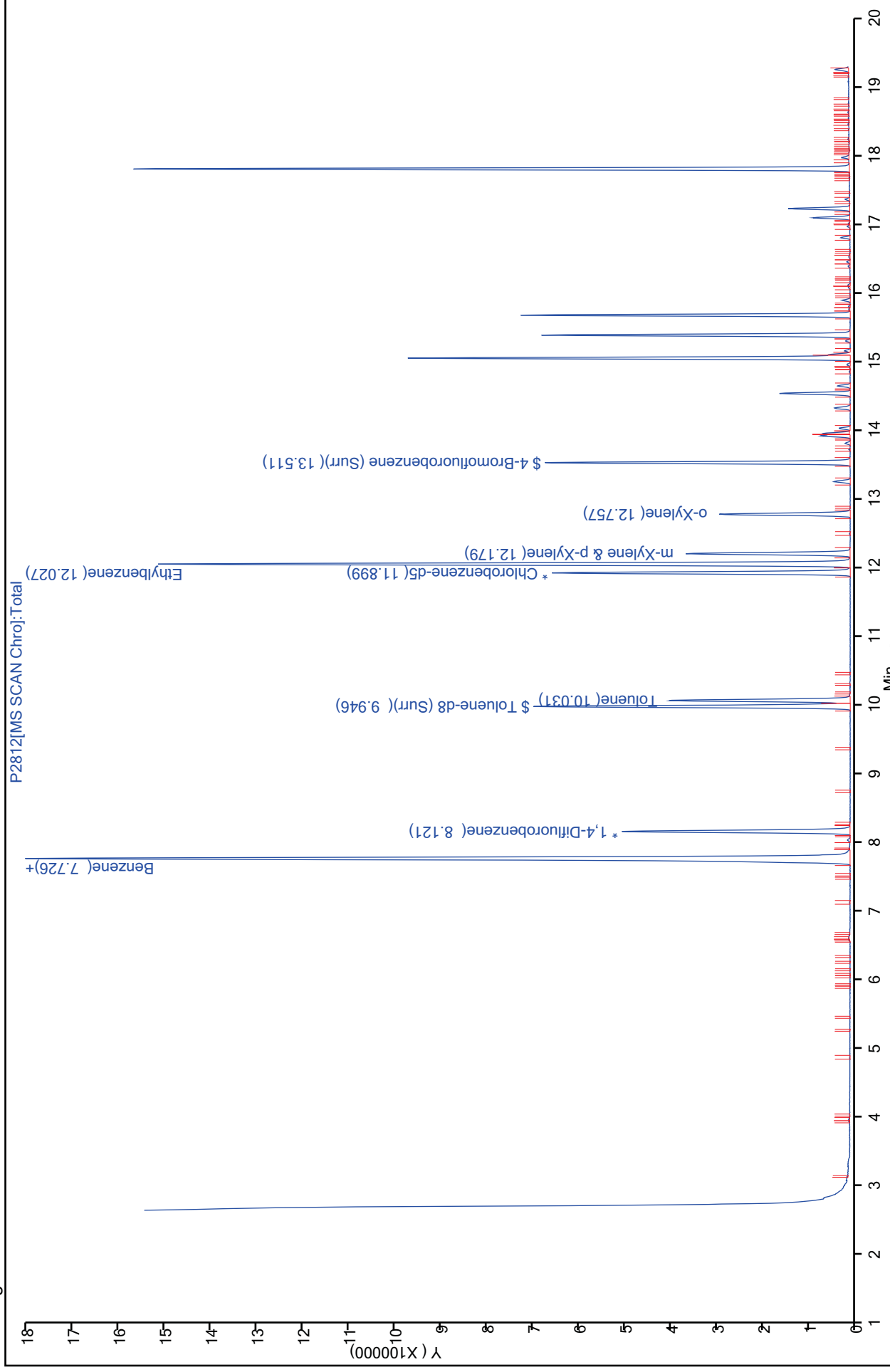
Lims Sample ID: 7

Operator ID: CDC

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 26-May-2011 09:59:58

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3466.b\P2812.D

Injection Date: 26-May-2011 00:40:30

Limit Group: MV - 8260B ICAL

Client ID: MW-3DR DUP

Instrument ID: HP5973P

Lims Batch ID: 17555

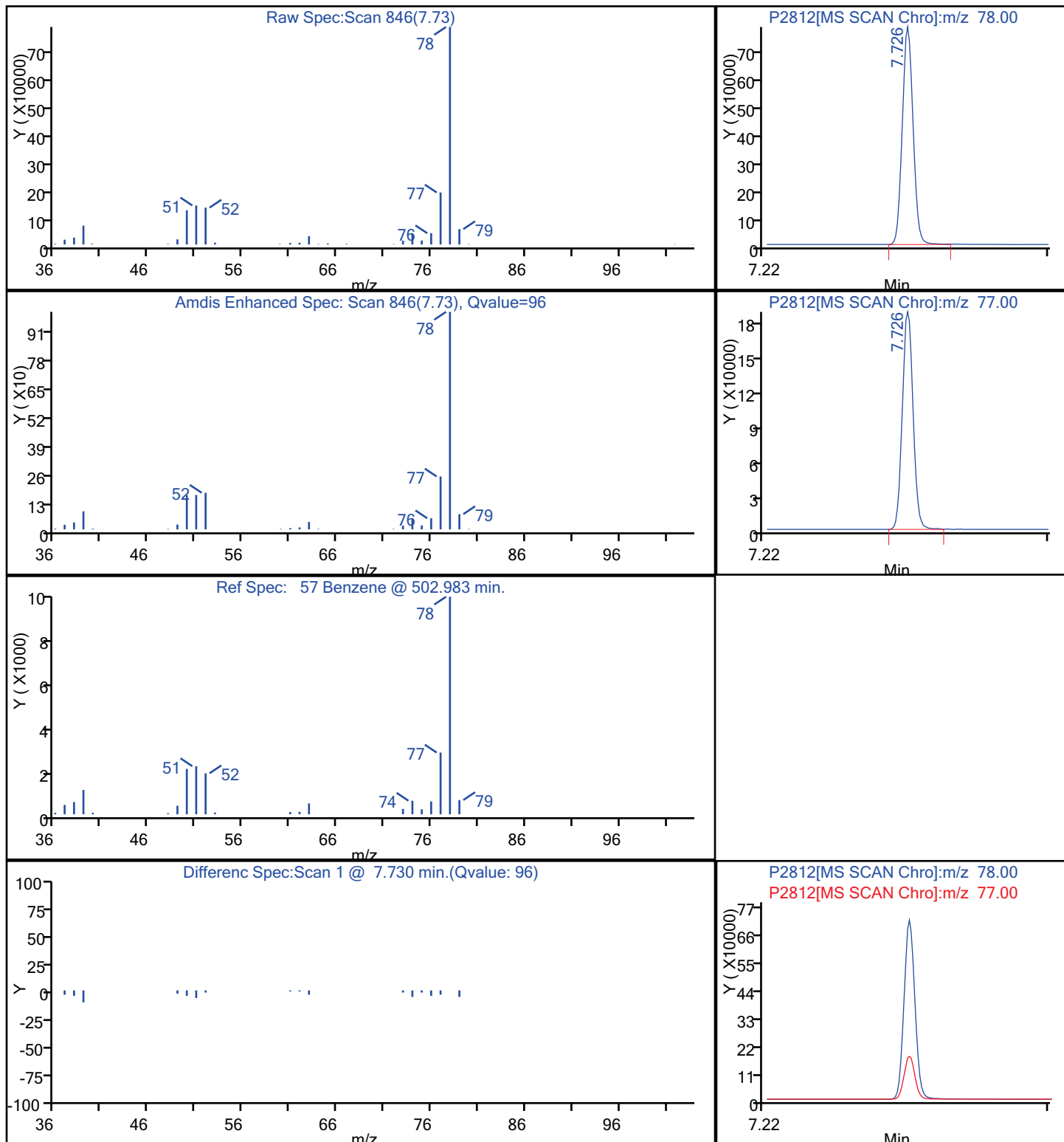
Lims Sample ID: 7

Operator ID: CDC

Column Type: ZB-624

Column Dia: 0.25 mm

57 Benzene



Report Date: 26-May-2011 09:59:58

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3466.b\P2812.D

Injection Date: 26-May-2011 00:40:30

Limit Group: MV - 8260B ICAL

Client ID: MW-3DR DUP

Instrument ID: HP5973P

Lims Batch ID: 17555

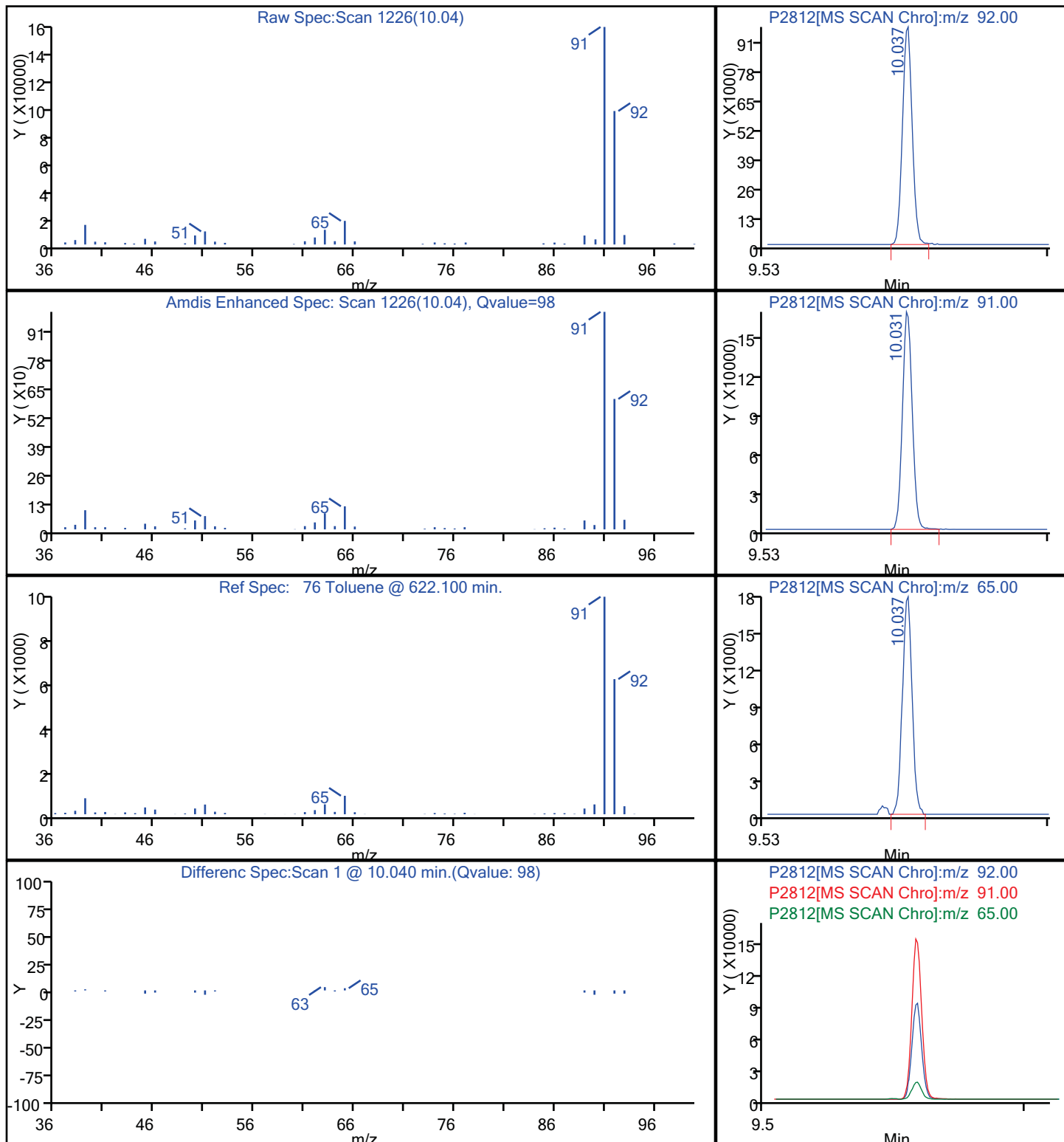
Lims Sample ID: 7

Operator ID: CDC

Column Type: ZB-624

Column Dia: 0.25 mm

76 Toluene



Report Date: 26-May-2011 09:59:58

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3466.b\P2812.D

Injection Date: 26-May-2011 00:40:30

Limit Group: MV - 8260B ICAL

Client ID: MW-3DR DUP

Instrument ID: HP5973P

Lims Batch ID: 17555

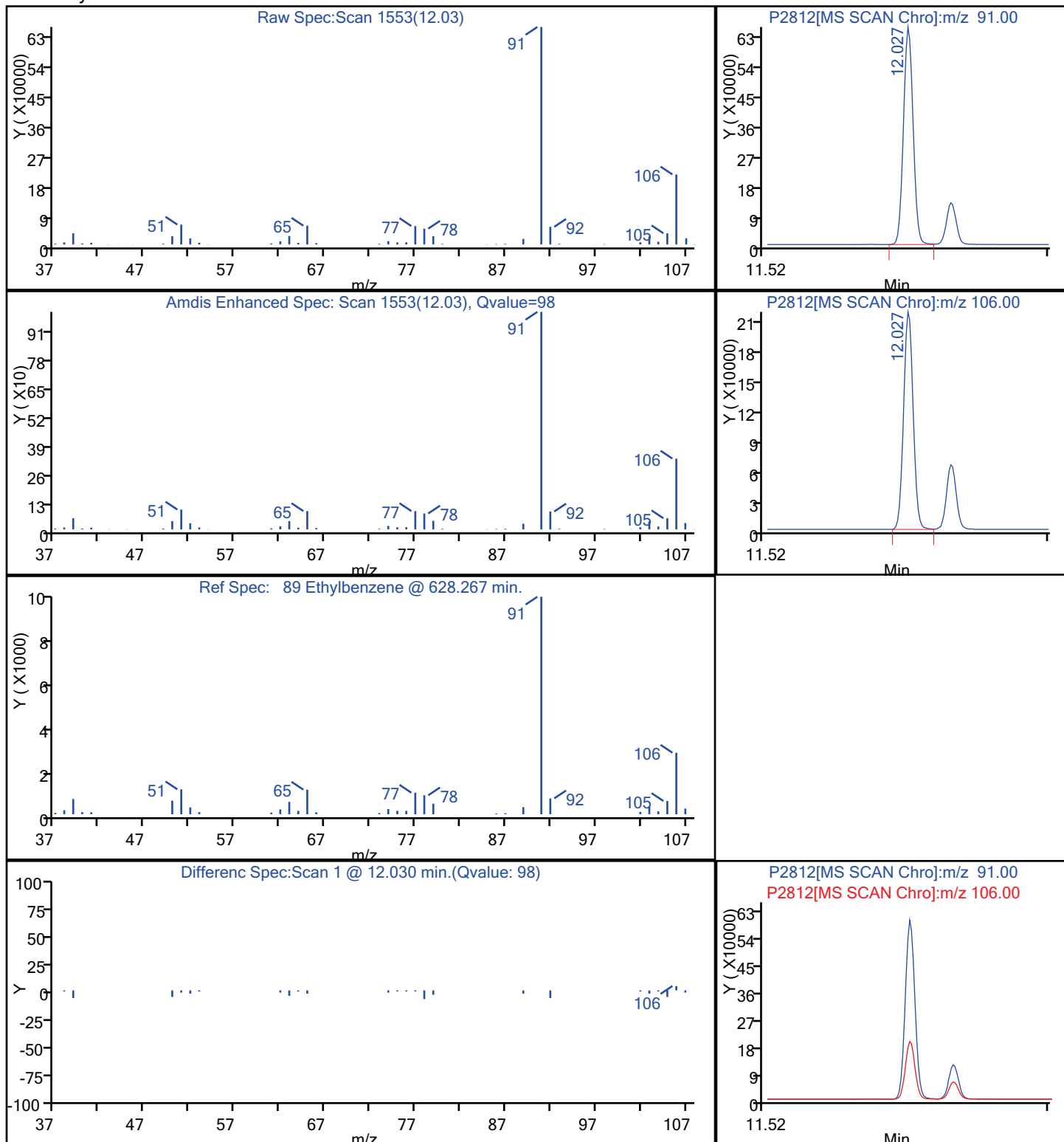
Lims Sample ID: 7

Operator ID: CDC

Column Type: ZB-624

Column Dia: 0.25 mm

89 Ethylbenzene



Report Date: 26-May-2011 09:59:58

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3466.b\P2812.D

Injection Date: 26-May-2011 00:40:30

Limit Group: MV - 8260B ICAL

Client ID: MW-3DR DUP

Instrument ID: HP5973P

Lims Batch ID: 17555

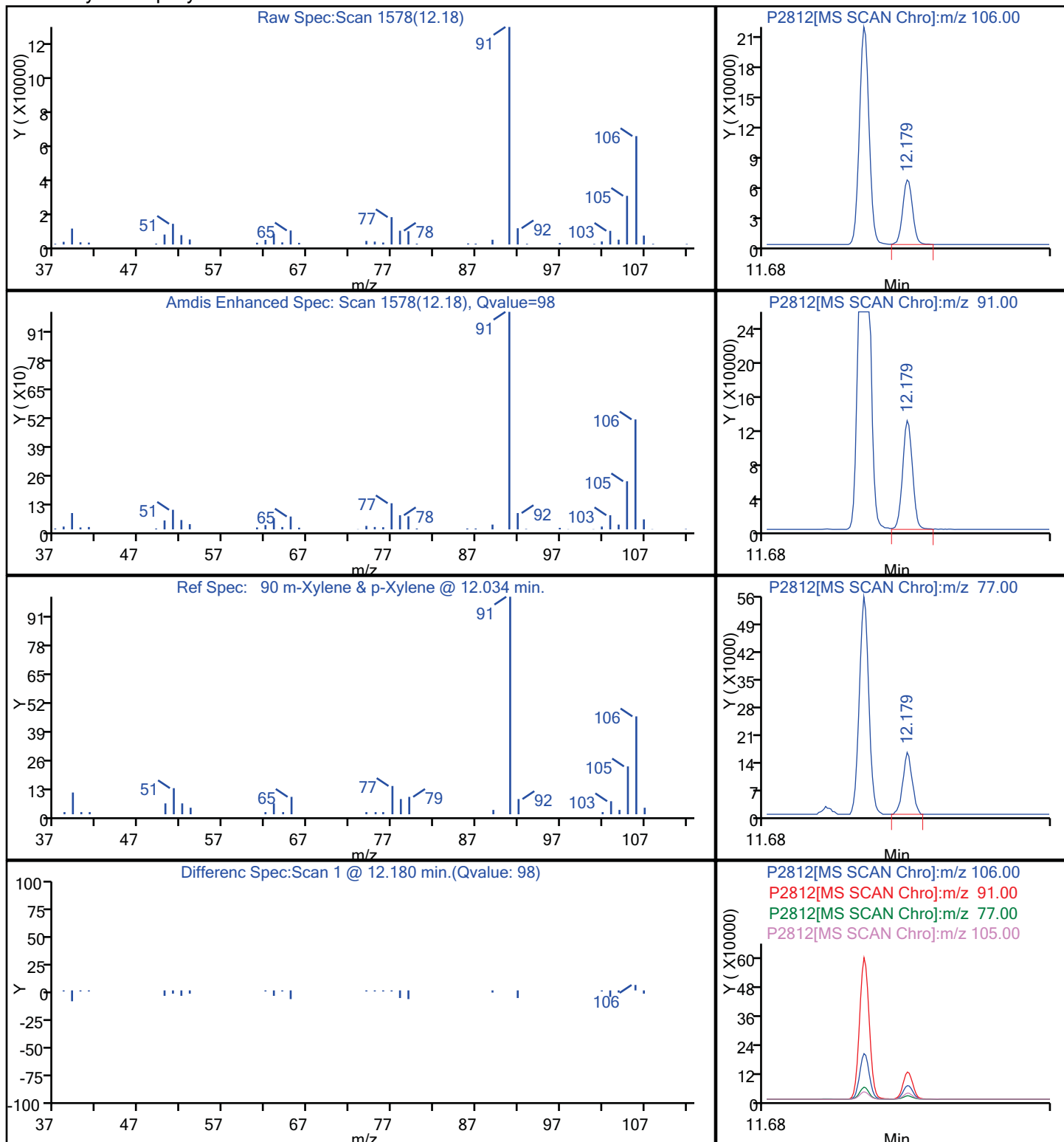
Lims Sample ID: 7

Operator ID: CDC

Column Type: ZB-624

Column Dia: 0.25 mm

90 m-Xylene & p-Xylene



Report Date: 26-May-2011 09:59:58

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3466.b\P2812.D

Injection Date: 26-May-2011 00:40:30

Limit Group: MV - 8260B ICAL

Client ID: MW-3DR DUP

Instrument ID: HP5973P

Lims Batch ID: 17555

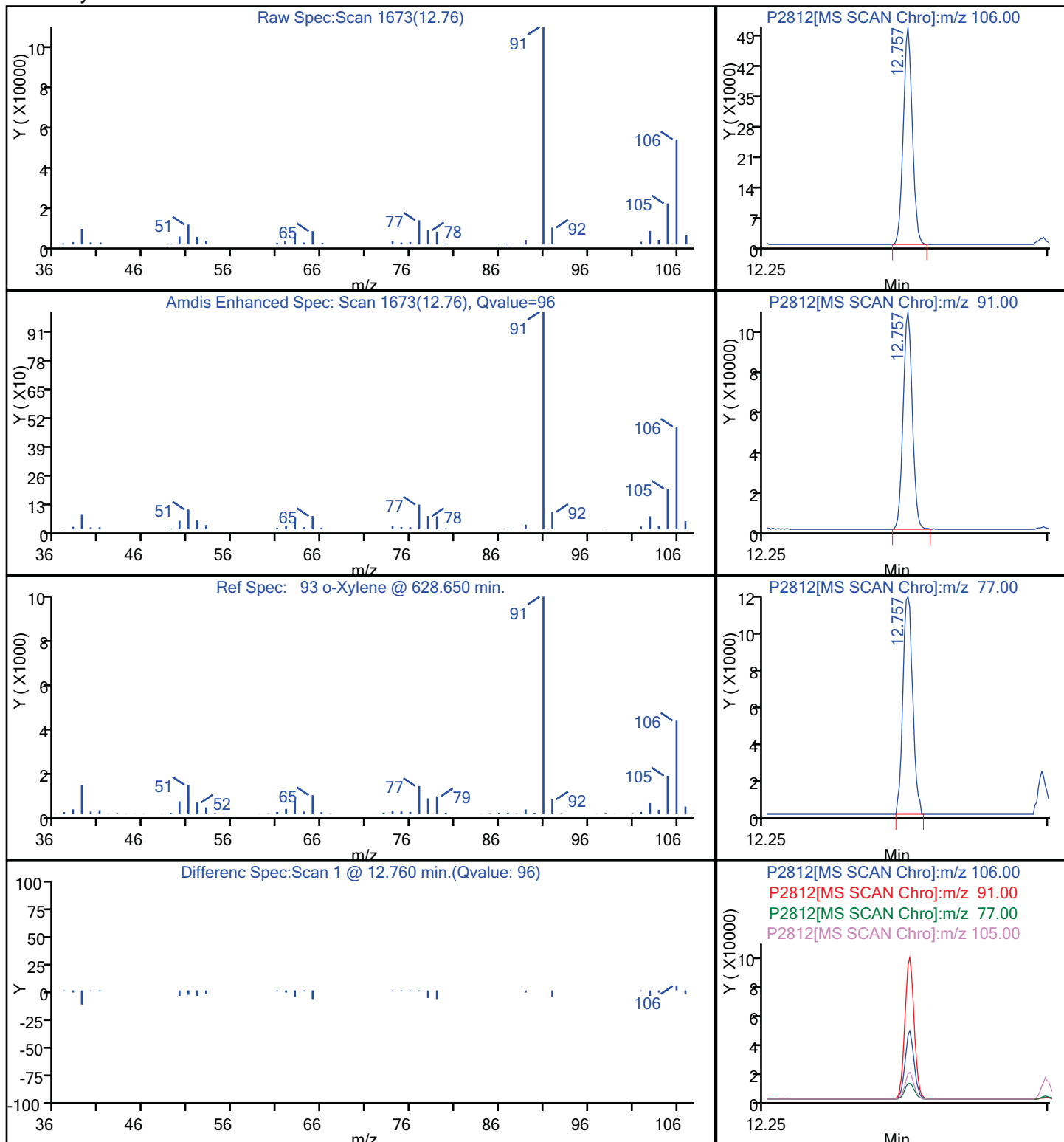
Lims Sample ID: 7

Operator ID: CDC

Column Type: ZB-624

Column Dia: 0.25 mm

93 o-Xylene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
 SDG No.: _____
 Client Sample ID: DW-3R Lab Sample ID: 480-5072-4
 Matrix: Water Lab File ID: P2797.D
 Analysis Method: 8260B Date Collected: 05/18/2011 14:10
 Sample wt/vol: 5(mL) Date Analyzed: 05/25/2011 17:42
 Soil Aliquot Vol: _____ Dilution Factor: 25
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 17444 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	6600	E	25	10
108-88-3	Toluene	2300		25	13
100-41-4	Ethylbenzene	2400		25	19
179601-23-1	m-Xylene & p-Xylene	1900		50	17
95-47-6	o-Xylene	1100		25	19
1330-20-7	Xylenes, Total	3000		50	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	75		66-137
2037-26-5	Toluene-d8 (Surr)	96		71-126
460-00-4	4-Bromofluorobenzene (Surr)	111		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3436.b\P2797.D
 Lims ID: 480-5072-E-4 Client ID: DW-3R
 Inject. Date: 25-May-2011 17:42:30 Dil. Factor: 25.0000
 Sample Type: Client
 Sample ID: 480-5072-E-4
 Misc. Info.: 480-0003436-015 =480-0003436-015
 Operator: PJQ Instrument ID: HP5973P
 Vol. Injected: 1.0000 ALS Bottle#: 15
 Lims Batch ID: 17444 Lims Sample ID: 15
 Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973P\20110525-3436.b\P-8260.m
 Last Update: 25-May-2011 20:17:31 Calib Date: 17-May-2011 15:59:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973P\20110517-3207.b\P2557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: cwiklinc

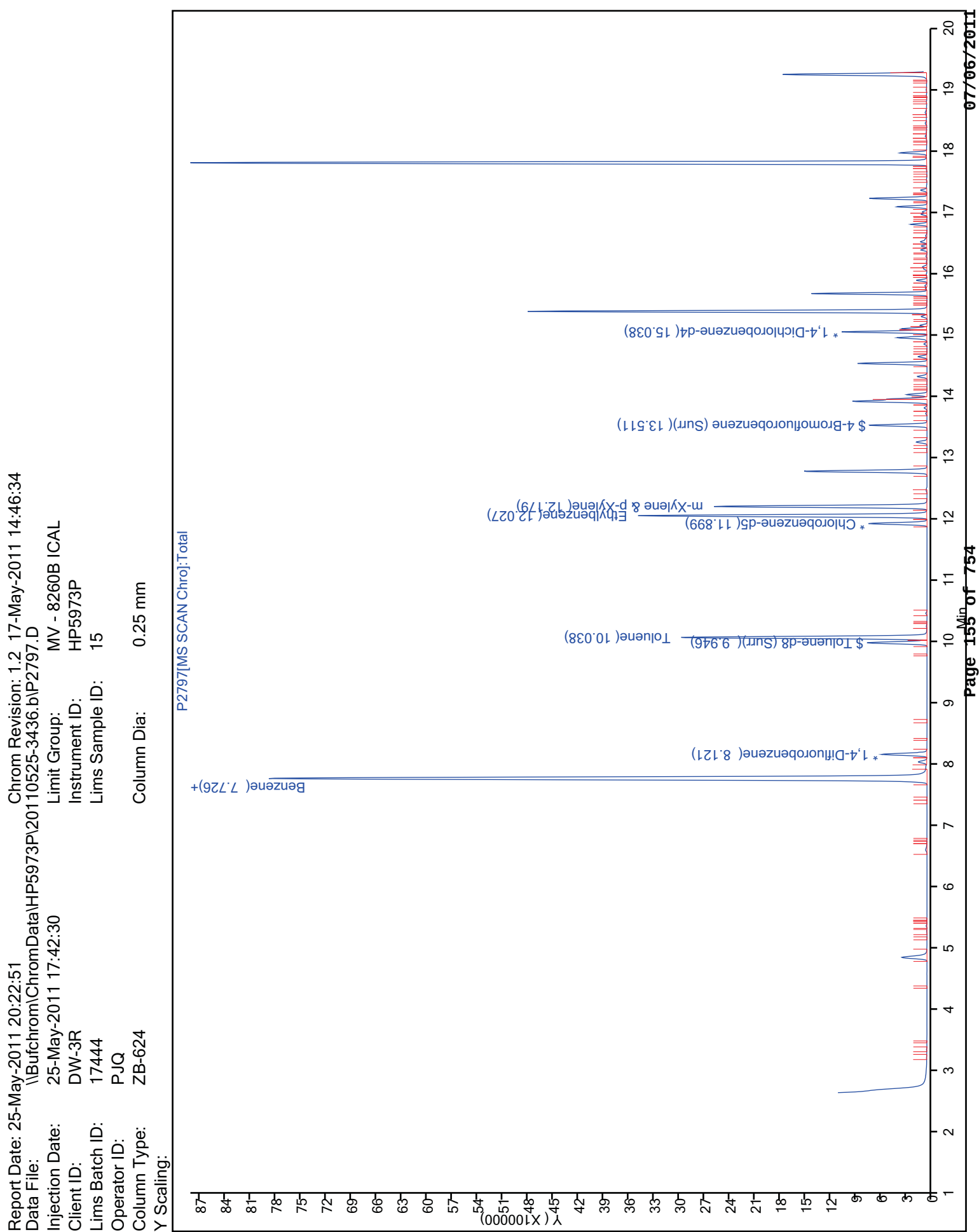
Date: 25-May-2011 20:22:51

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	8.121	8.121	0.0	92	648508	25.0	
* 2 Chlorobenzene-d5	82	11.899	11.899	0.0	81	277802	25.0	
* 3 1,4-Dichlorobenzene-d4	152	15.038	15.038	0.0	87	395568	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	7.683	7.683	0.0	48	104068	18.8	
\$ 5 Toluene-d8 (Surr)	98	9.946	9.946	0.0	92	671199	24.0	
\$ 6 4-Bromofluorobenzene (Surr)	174	13.511	13.511	0.0	96	329940	27.8	
57 Benzene	78	7.726	7.726	0.0	89	8956922	264.8	E
76 Toluene	92	10.038	10.031	0.007	98	1900485	92.9	
89 Ethylbenzene	91	12.027	12.027	0.0	97	3635076	96.6	
90 m-Xylene & p-Xylene	106	12.179	12.179	0.0	97	1125121	76.6	
93 o-Xylene	106	12.757	12.757	0.0	96	612118	43.8	
S 125 Total BTEX	1				0		574.6	
S 126 Xylenes, Total	1				0		120.3	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount



Report Date: 25-May-2011 20:22:51

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3436.b\P2797.D

Injection Date: 25-May-2011 17:42:30

Limit Group: MV - 8260B ICAL

Client ID: DW-3R

Instrument ID: HP5973P

Lims Batch ID: 17444

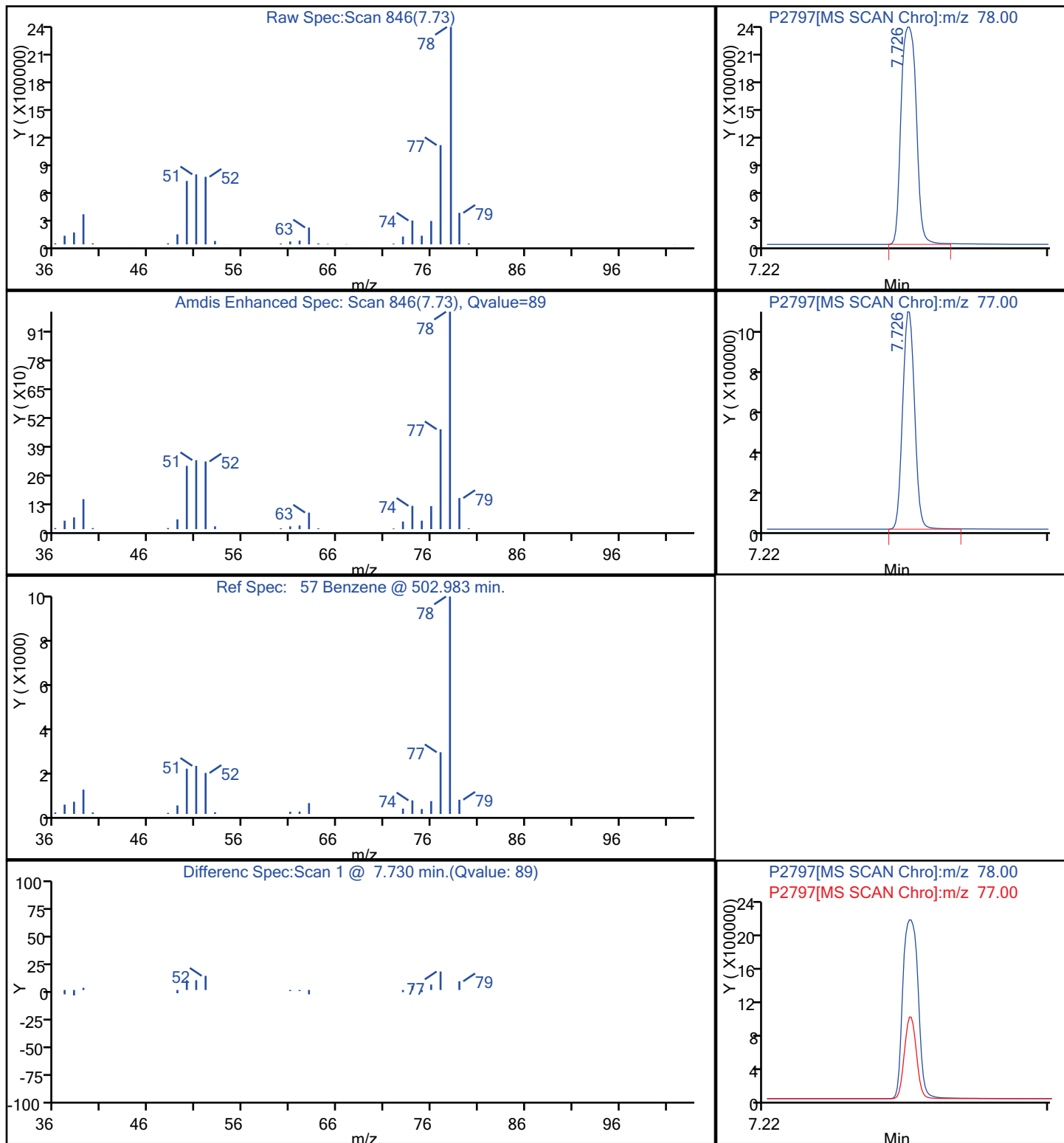
Lims Sample ID: 15

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

57 Benzene



Report Date: 25-May-2011 20:22:51

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3436.b\P2797.D

Injection Date: 25-May-2011 17:42:30

Limit Group: MV - 8260B ICAL

Client ID: DW-3R

Instrument ID: HP5973P

Lims Batch ID: 17444

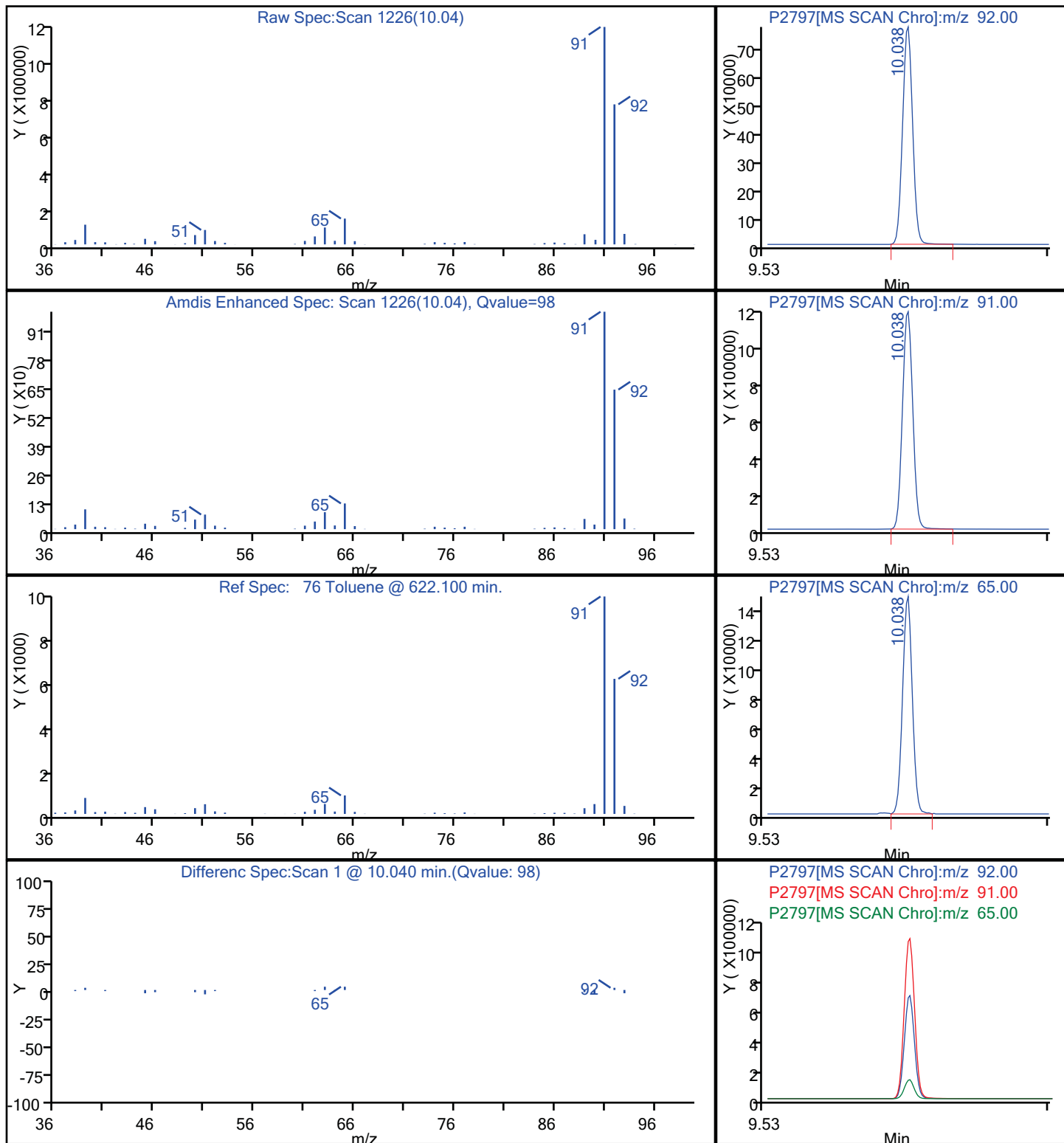
Lims Sample ID: 15

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

76 Toluene



Report Date: 25-May-2011 20:22:51

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3436.b\P2797.D

Injection Date: 25-May-2011 17:42:30

Limit Group: MV - 8260B ICAL

Client ID: DW-3R

Instrument ID: HP5973P

Lims Batch ID: 17444

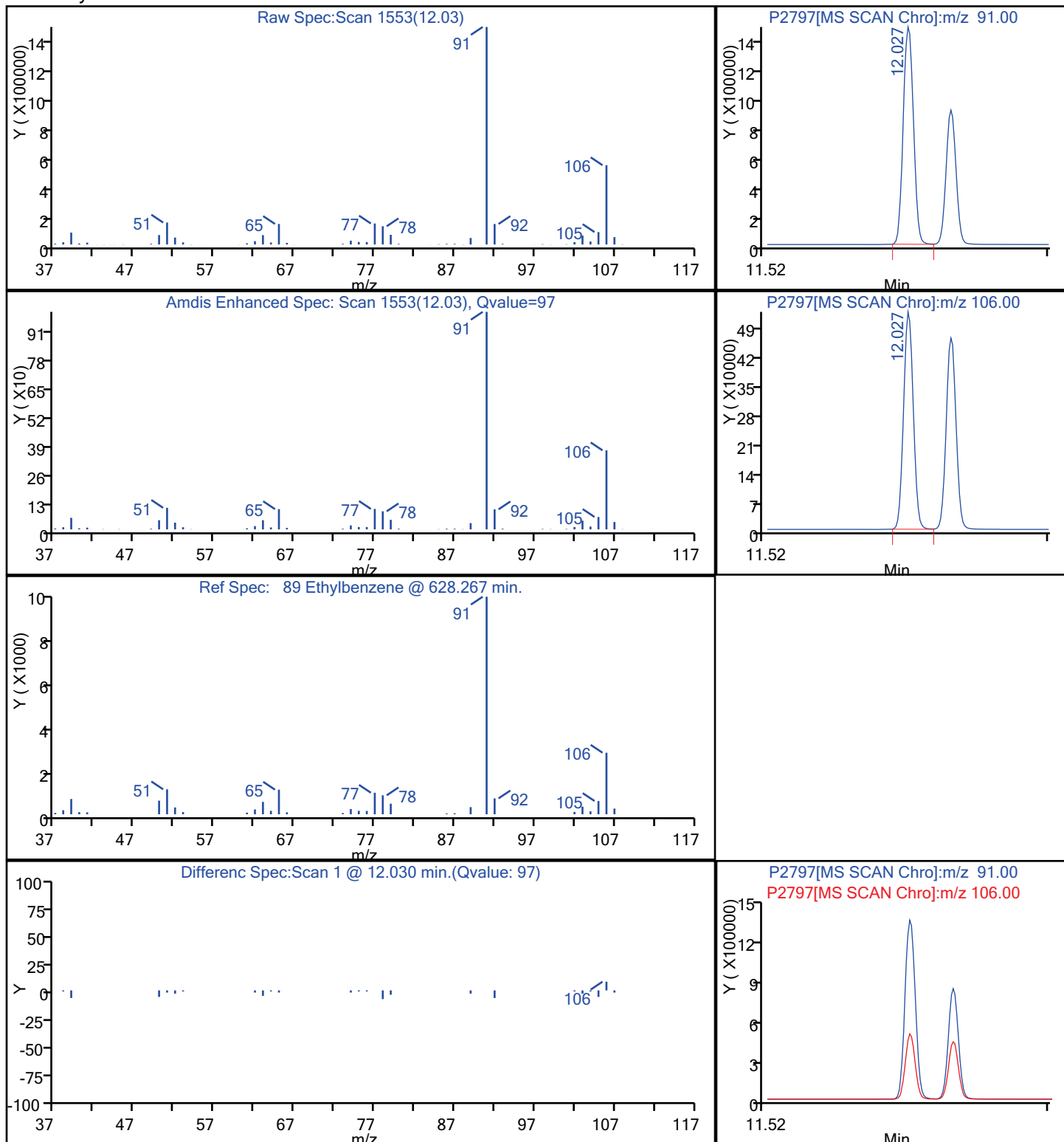
Lims Sample ID: 15

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

89 Ethylbenzene



Report Date: 25-May-2011 20:22:51

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3436.b\P2797.D

Injection Date: 25-May-2011 17:42:30

Limit Group: MV - 8260B ICAL

Client ID: DW-3R

Instrument ID: HP5973P

Lims Batch ID: 17444

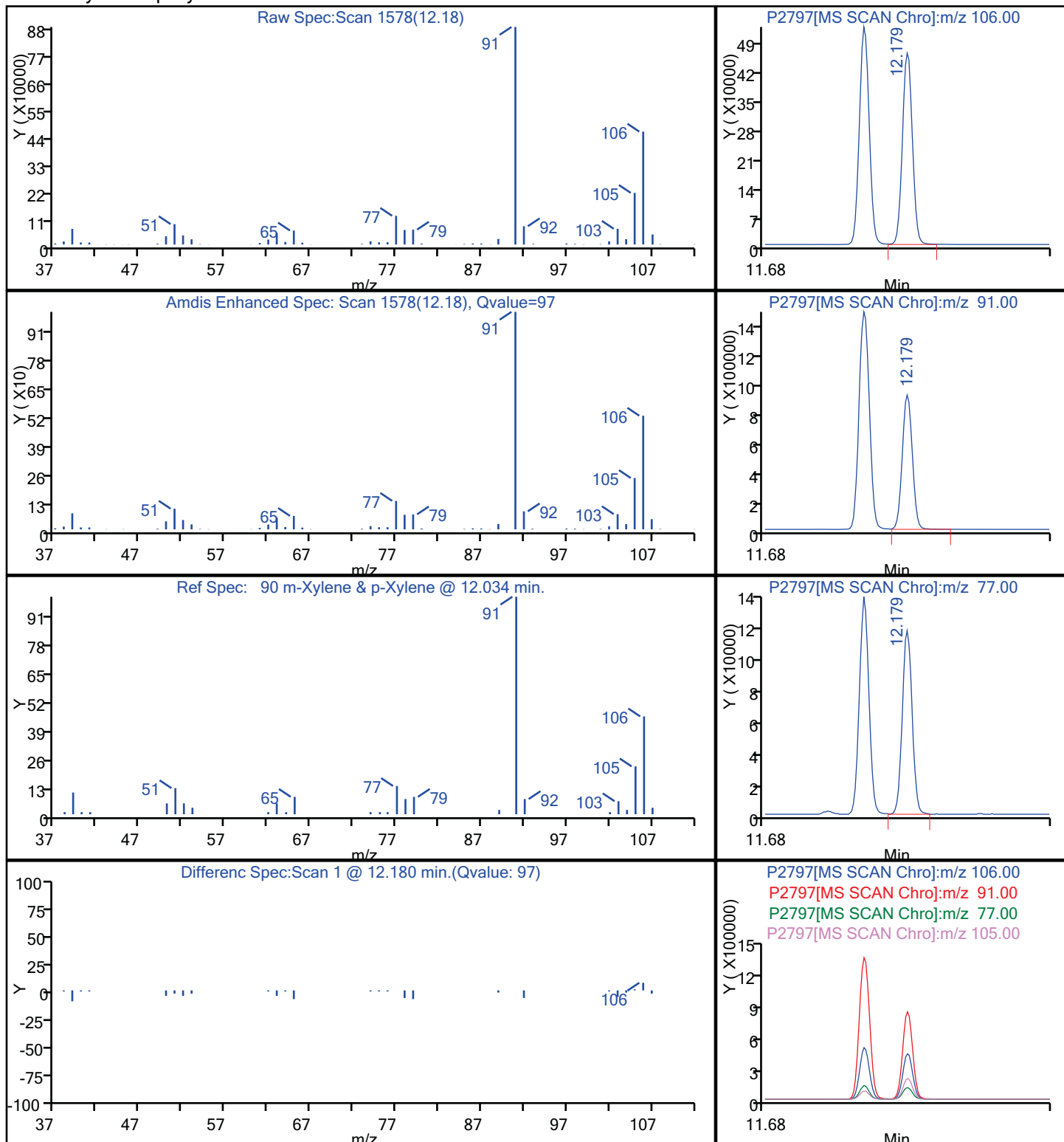
Lims Sample ID: 15

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

90 m-Xylene & p-Xylene



Report Date: 25-May-2011 20:22:51

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3436.b\P2797.D

Injection Date: 25-May-2011 17:42:30

Limit Group: MV - 8260B ICAL

Client ID: DW-3R

Instrument ID: HP5973P

Lims Batch ID: 17444

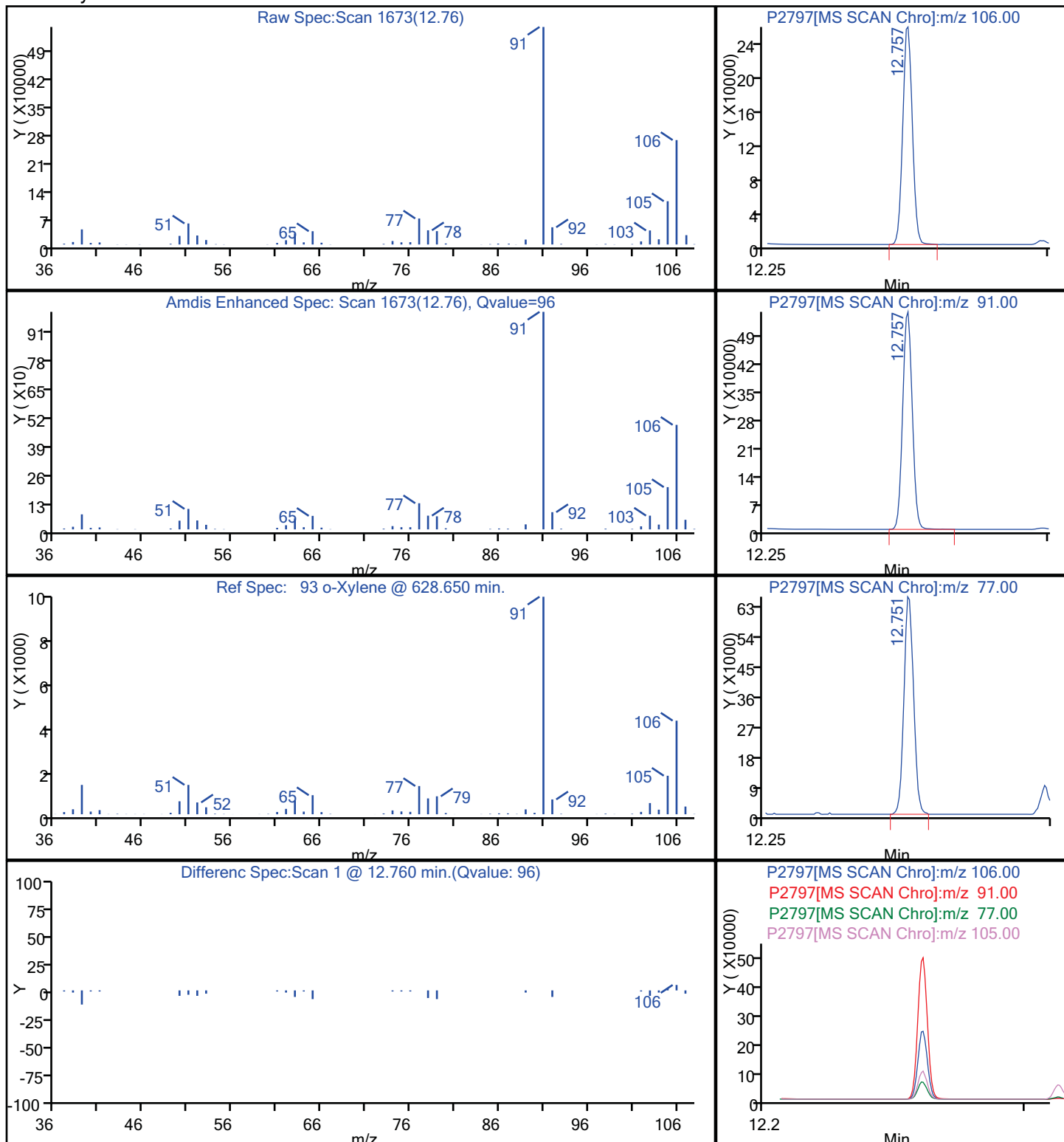
Lims Sample ID: 15

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

93 o-Xylene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
 SDG No.: _____
 Client Sample ID: DW-3R DL Lab Sample ID: 480-5072-4 DL
 Matrix: Water Lab File ID: P2835.D
 Analysis Method: 8260B Date Collected: 05/18/2011 14:10
 Sample wt/vol: 5(mL) Date Analyzed: 05/26/2011 12:09
 Soil Aliquot Vol: _____ Dilution Factor: 200
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 17618 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	11000		200	82
108-88-3	Toluene	2100		200	100
100-41-4	Ethylbenzene	2200		200	150
179601-23-1	m-Xylene & p-Xylene	1600		400	130
95-47-6	o-Xylene	830		200	150
1330-20-7	Xylenes, Total	2400		400	130

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	84		66-137
2037-26-5	Toluene-d8 (Surr)	93		71-126
460-00-4	4-Bromofluorobenzene (Surr)	107		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110526-3476.b\2835.D
 Lims ID: 480-5072-F-4 Client ID: DW-3R
 Inject. Date: 26-May-2011 12:09:30 Dil. Factor: 200.0000
 Sample Type: Client
 Sample ID: 480-5072-F-4
 Misc. Info.: 480-0003476-005 =480-0003476-005
 Operator: PJQ Instrument ID: HP5973P
 Vol. Injected: 1.0000 ALS Bottle#: 5
 Lims Batch ID: 17618 Lims Sample ID: 5
 Detector: MS SCAN

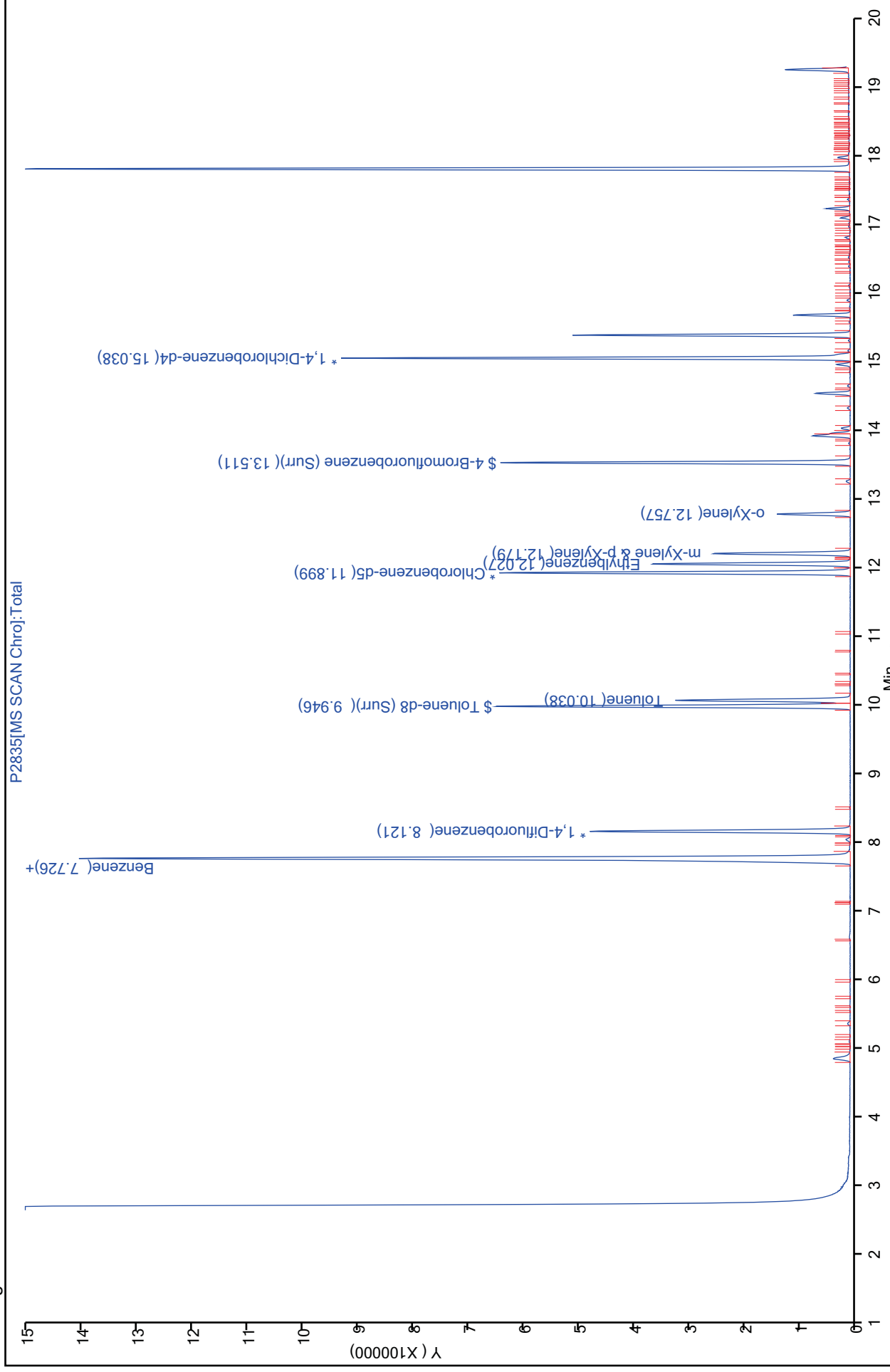
Method: \\Bufchrom\ChromData\HP5973P\20110526-3476.b\8260.m
 Last Update: 26-May-2011 14:11:58 Calib Date: 17-May-2011 15:59:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973P\20110517-3207.b\2557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: cwiklinc

Date: 26-May-2011 17:18:10

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	8.121	8.121	0.0	93	529518	25.0	
* 2 Chlorobenzene-d5	82	11.899	11.899	0.0	82	240830	25.0	
* 3 1,4-Dichlorobenzene-d4	152	15.038	15.038	0.0	91	332010	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	7.683	7.683	0.0	59	94794	21.0	
\$ 5 Toluene-d8 (Surr)	98	9.946	9.946	0.0	92	562317	23.2	
\$ 6 4-Bromofluorobenzene (Surr)	174	13.511	13.511	0.0	96	275207	26.7	
57 Benzene	78	7.726	7.726	0.0	95	1574660	57.0	
76 Toluene	92	10.038	10.037	0.001	98	181988	10.3	
89 Ethylbenzene	91	12.027	12.027	0.0	98	361498	11.1	
90 m-Xylene & p-Xylene	106	12.179	12.179	0.0	98	100508	7.89	
93 o-Xylene	106	12.757	12.757	0.0	94	50274	4.15	
S 125 Total BTEX	1				0		90.4	
S 126 Xylenes, Total	1				0		12.0	

Report Date: 26-May-2011 17:18:10
Data File: \\Bufchrom\ChromData\HP5973P\20110526-3476.b\2835.D
Injection Date: 26-May-2011 12:09:30
Client ID: MV - 8260B ICAL
Lims Batch ID: DW-3R
Operator ID: HP5973P
Column Type: ZB-624
Y Scaling: Lims Sample ID: 5
Column Dia: 0.25 mm



Report Date: 26-May-2011 17:18:10

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973P\20110526-3476.b\P2835.D

Injection Date: 26-May-2011 12:09:30

Limit Group: MV - 8260B ICAL

Client ID: DW-3R

Instrument ID: HP5973P

Lims Batch ID: 17618

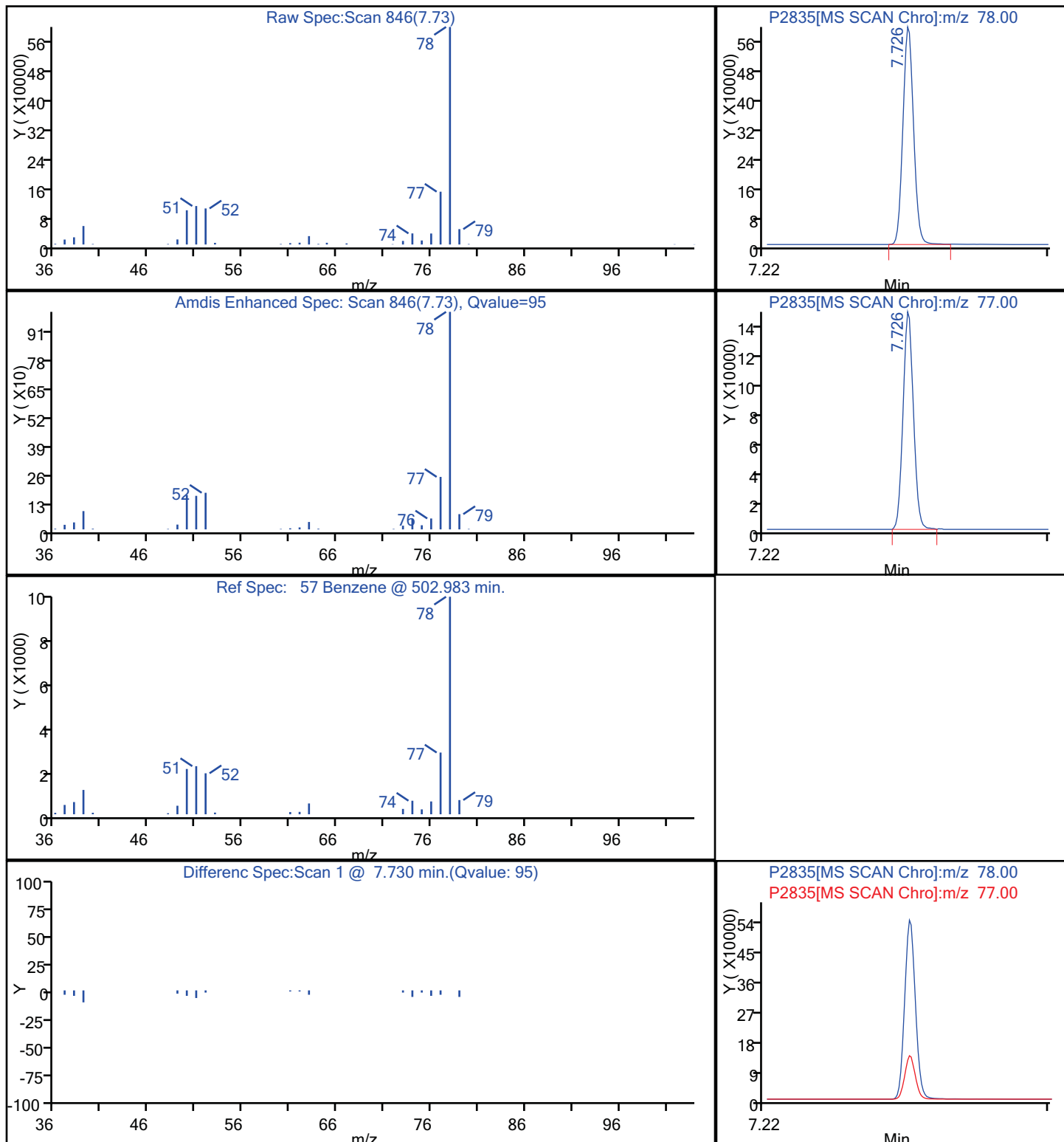
Lims Sample ID: 5

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

57 Benzene



Report Date: 26-May-2011 17:18:10

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973P\20110526-3476.b\P2835.D

Injection Date: 26-May-2011 12:09:30

Limit Group: MV - 8260B ICAL

Client ID: DW-3R

Instrument ID: HP5973P

Lims Batch ID: 17618

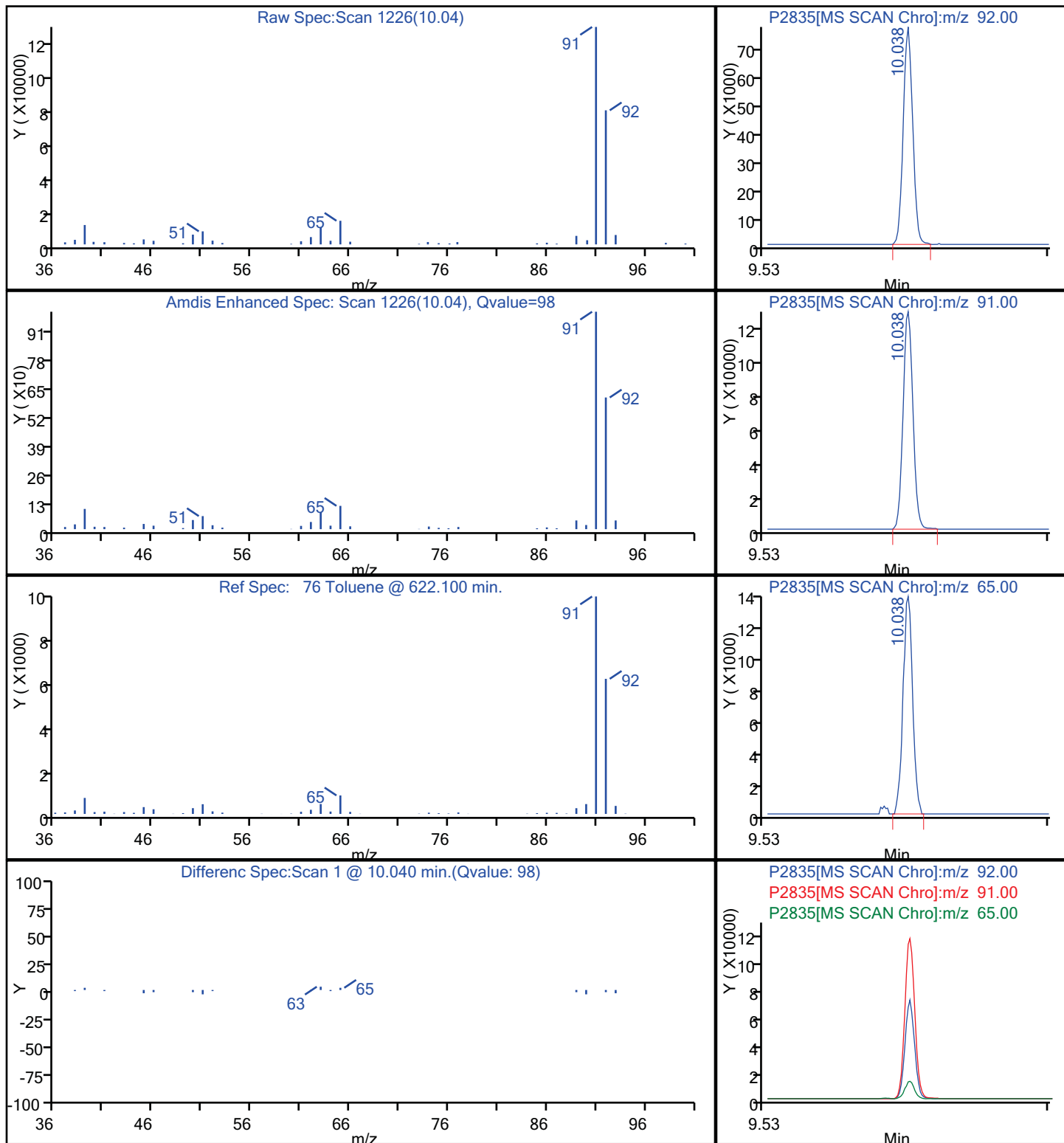
Lims Sample ID: 5

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

76 Toluene



Report Date: 26-May-2011 17:18:10

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973P\20110526-3476.b\P2835.D

Injection Date: 26-May-2011 12:09:30

Limit Group: MV - 8260B ICAL

Client ID: DW-3R

Instrument ID: HP5973P

Lims Batch ID: 17618

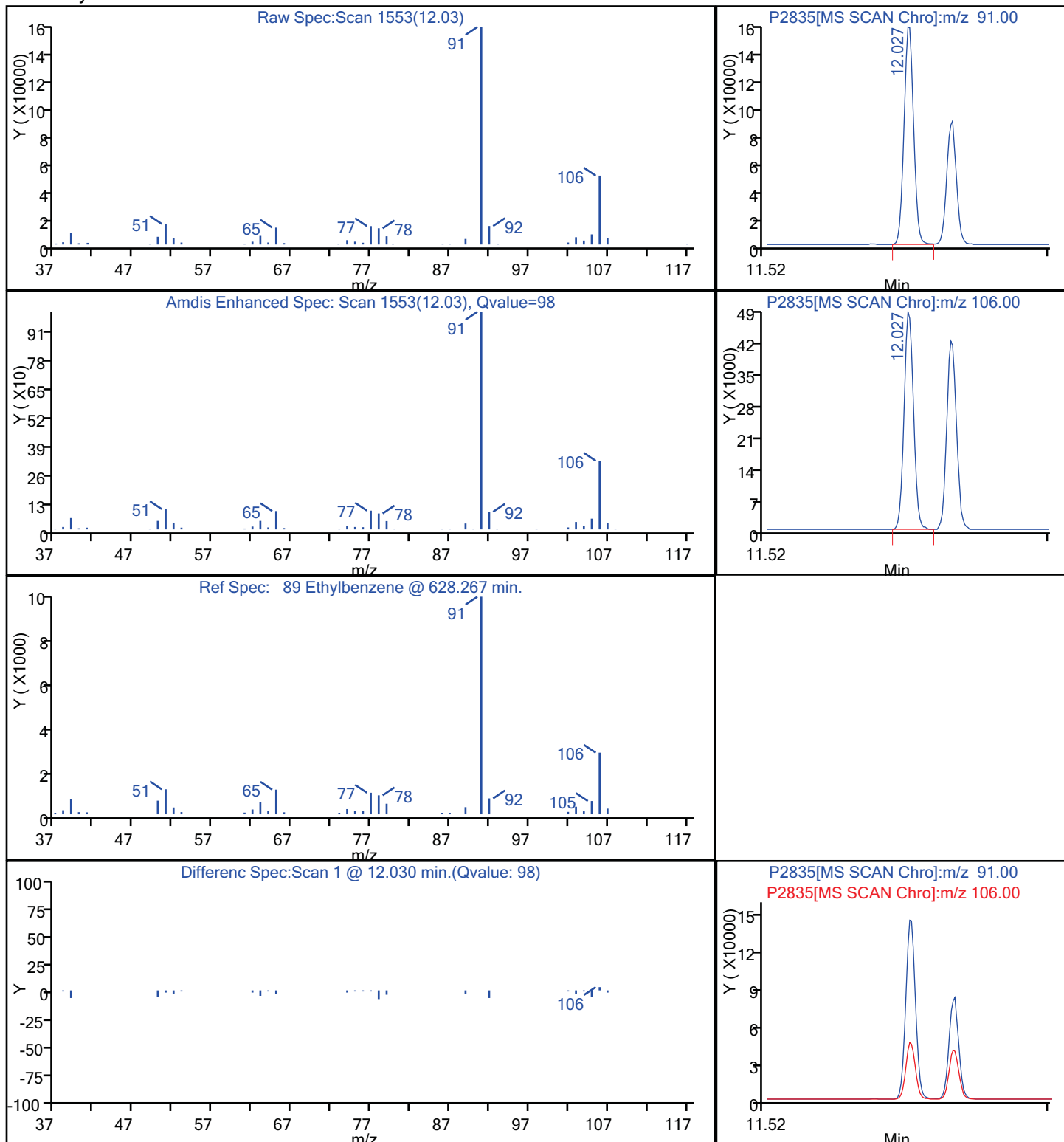
Lims Sample ID: 5

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

89 Ethylbenzene



Report Date: 26-May-2011 17:18:10

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973P\20110526-3476.b\P2835.D

Injection Date: 26-May-2011 12:09:30

Limit Group: MV - 8260B ICAL

Client ID: DW-3R

Instrument ID: HP5973P

Lims Batch ID: 17618

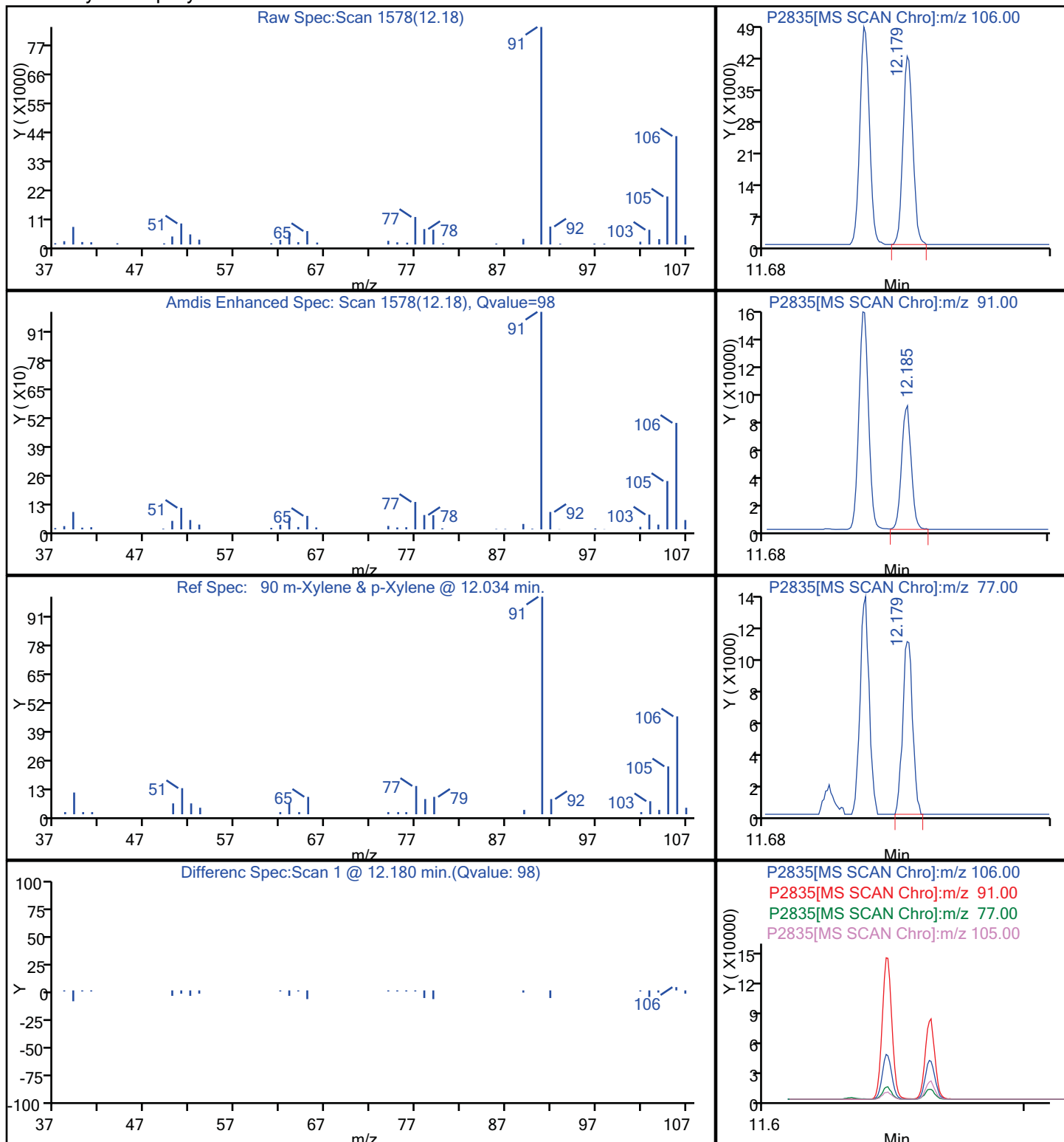
Lims Sample ID: 5

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

90 m-Xylene & p-Xylene



Report Date: 26-May-2011 17:18:10

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973P\20110526-3476.b\P2835.D

Injection Date: 26-May-2011 12:09:30

Limit Group: MV - 8260B ICAL

Client ID: DW-3R

Instrument ID: HP5973P

Lims Batch ID: 17618

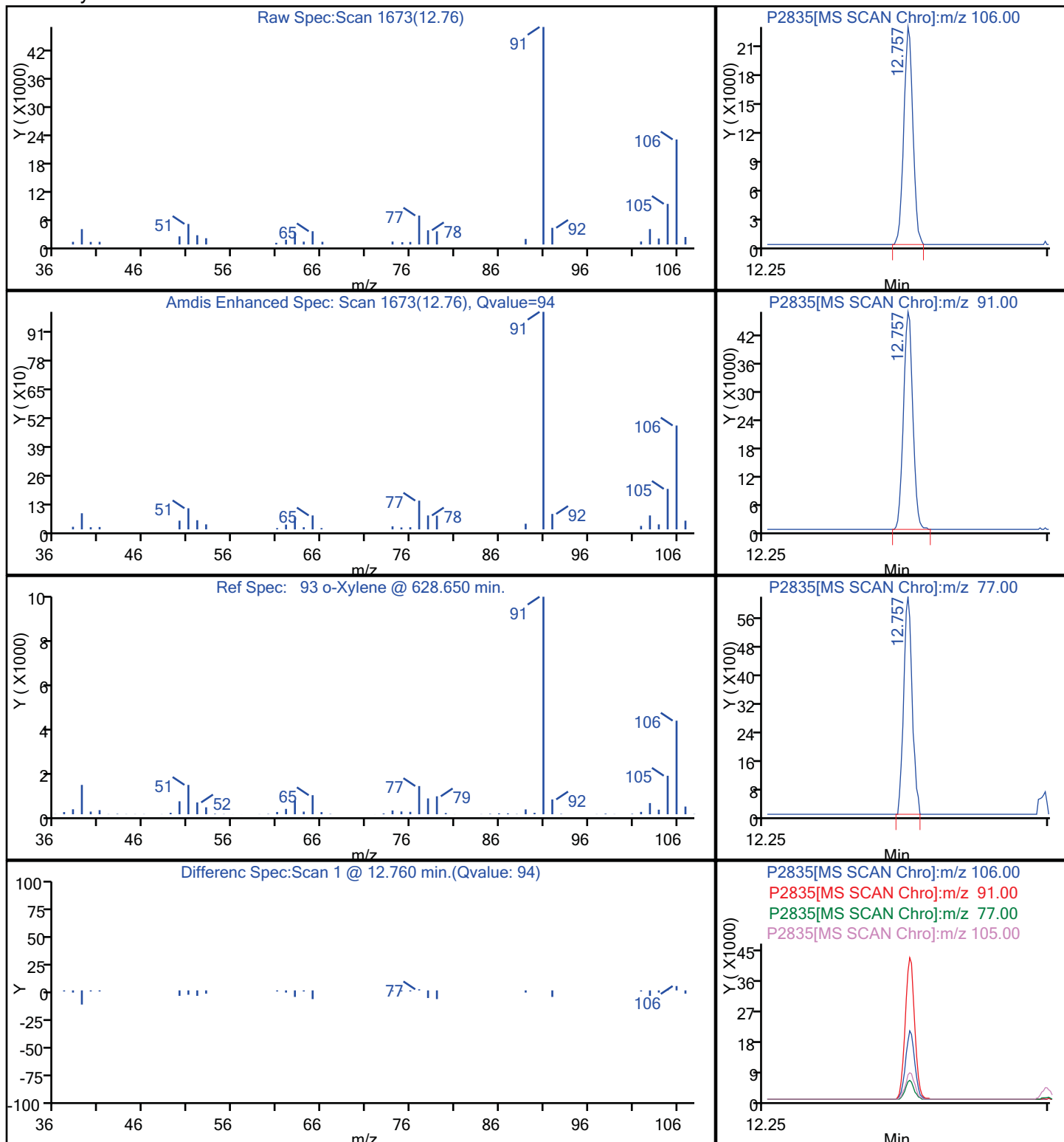
Lims Sample ID: 5

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

93 o-Xylene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
 SDG No.: _____
 Client Sample ID: TRIP BLANK Lab Sample ID: 480-5072-5
 Matrix: Water Lab File ID: P2814.D
 Analysis Method: 8260B Date Collected: 05/18/2011 00:00
 Sample wt/vol: 5(mL) Date Analyzed: 05/26/2011 01:30
 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.: 17555 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.44	J	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)	82		66-137
2037-26-5	Toluene-d8 (Surr)	96		71-126
460-00-4	4-Bromofluorobenzene (Surr)	109		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3466.b\IP2814.D
 Lims ID: 480-5072-B-5 Client ID: TRIP BLANK
 Inject. Date: 26-May-2011 01:30:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-5072-B-5
 Misc. Info.: 480-0003466-009 =480-0003466-009
 Operator: CDC Instrument ID: HP5973P
 Vol. Injected: 1.0000 ALS Bottle#: 5
 Lims Batch ID: 17555 Lims Sample ID: 9
 Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973P\20110525-3466.b\IP-8260.m
 Last Update: 26-May-2011 09:59:58 Calib Date: 17-May-2011 15:59:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973P\20110517-3207.b\IP2557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 26-May-2011 10:00:41

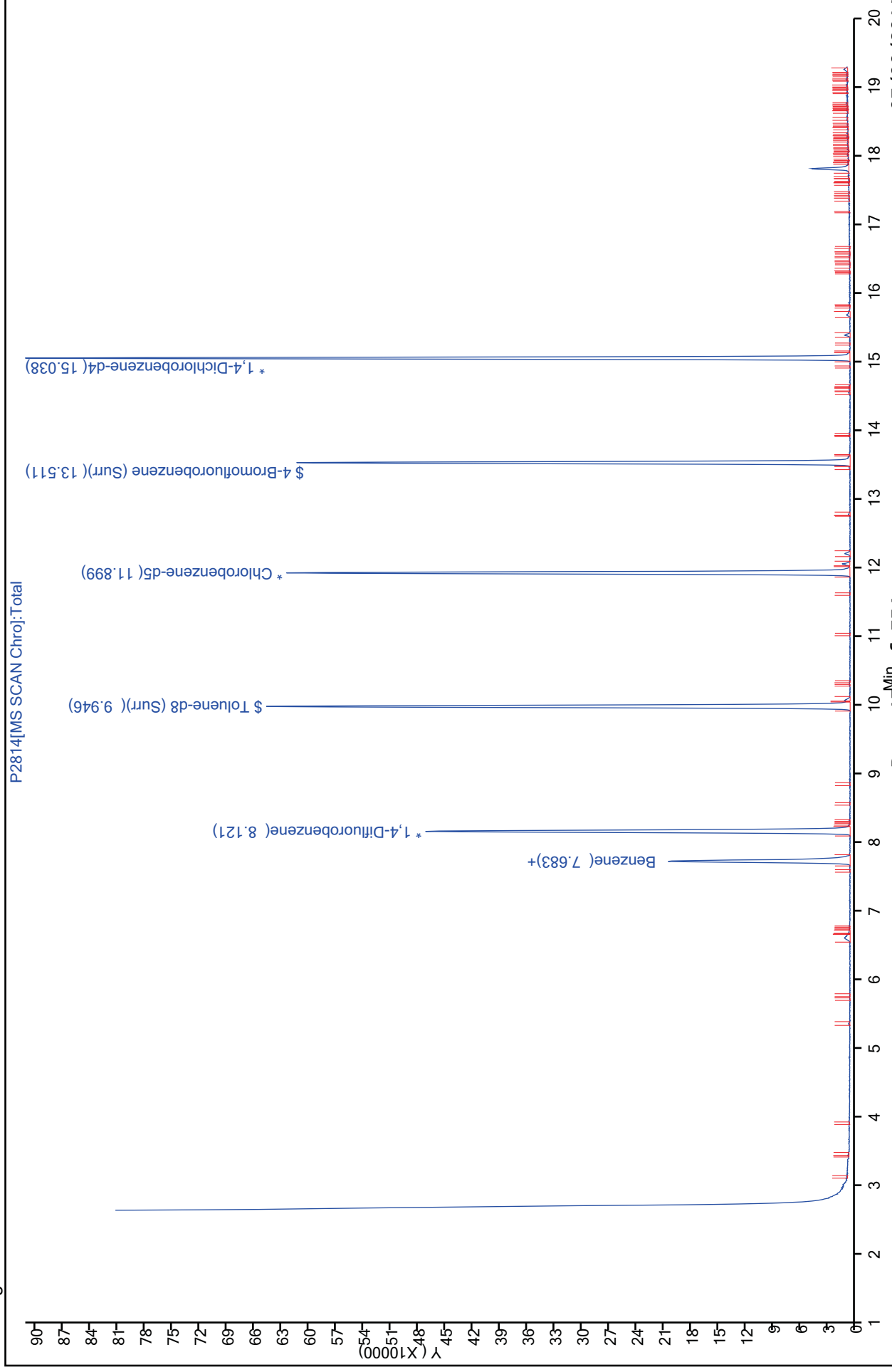
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	8.121	8.121	0.0	92	582450	25.0	
* 2 Chlorobenzene-d5	82	11.899	11.899	0.0	81	246506	25.0	
* 3 1,4-Dichlorobenzene-d4	152	15.038	15.038	0.0	91	352680	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	7.683	7.683	0.0	99	102599	20.6	
\$ 5 Toluene-d8 (Surr)	98	9.946	9.946	0.0	92	593925	24.0	
\$ 6 4-Bromofluorobenzene (Surr)	174	13.511	13.511	0.0	96	287177	27.3	
57 Benzene	78	7.726	7.726	0.0	44	13319	0.4384	
76 Toluene	92		10.031					
89 Ethylbenzene	91		12.027					
90 m-Xylene & p-Xylene	106		12.179					
93 o-Xylene	106		12.757					
S 125 Total BTEX	1				0		0.4384	
S 126 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Report Date: 26-May-2011 10:00:41
Data File: \\Bufchrom\ChromData\HP5973P\20110525-3466.b\2814.D
Injection Date: 26-May-2011 01:30:30
Client ID: TRIP BLANK
Lims Batch ID: 17555
Operator ID: CDC
Column Type: ZB-624
Chrom Revision: 1.2
Limit Group: MV - 8260B ICAL
Instrument ID: HP5973P
Lims Sample ID: 9
Column Dia: 0.25 mm
Y Scaling:



Report Date: 26-May-2011 10:00:41

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3466.b\P2814.D

Injection Date: 26-May-2011 01:30:30

Limit Group: MV - 8260B ICAL

Client ID: TRIP BLANK

Instrument ID: HP5973P

Lims Batch ID: 17555

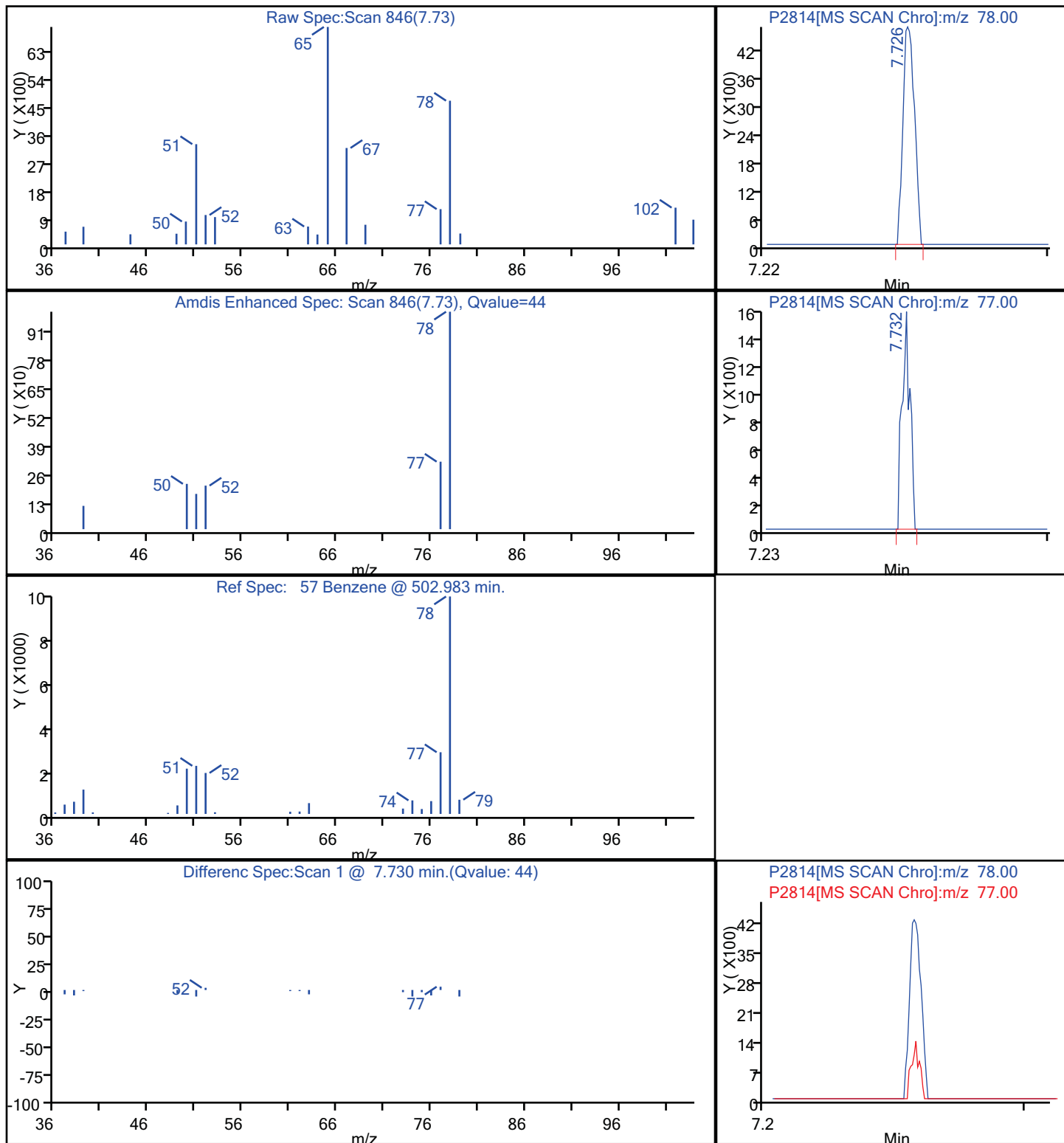
Lims Sample ID: 9

Operator ID: CDC

Column Type: ZB-624

Column Dia: 0.25 mm

57 Benzene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
 SDG No.: _____
 Client Sample ID: MW-8DR Lab Sample ID: 480-5174-1
 Matrix: Water Lab File ID: N7892.D
 Analysis Method: 8260B Date Collected: 05/18/2011 15:20
 Sample wt/vol: 5(mL) Date Analyzed: 05/26/2011 01:05
 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.: 17553 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	4600	E	5.0	2.1
108-88-3	Toluene	64		5.0	2.6
100-41-4	Ethylbenzene	760	E	5.0	3.7
179601-23-1	m-Xylene & p-Xylene	300		10	3.3
95-47-6	o-Xylene	300		5.0	3.8
1330-20-7	Xylenes, Total	600		10	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	77		66-137
2037-26-5	Toluene-d8 (Surr)	106		71-126
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20110525-3464.b\N7892.D
 Lims ID: 480-5174-D-1 Client ID: MW-8RDR
 Inject. Date: 26-May-2011 01:05:30 Dil. Factor: 5.0000
 Sample Type: Client
 Sample ID:
 Misc. Info.:
 Operator: NMD Instrument ID: HP5973N
 Vol. Injected: 1.0000 ALS Bottle#: 7
 Lims Batch ID: 17553 Lims Sample ID: 8
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20110525-3464.b\N-8260.m
 Last Update: 25-May-2011 23:38:27 Calib Date: 18-May-2011 16:42:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20110518-3245.b\N7574.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: HillL

Date: 26-May-2011 12:43:32

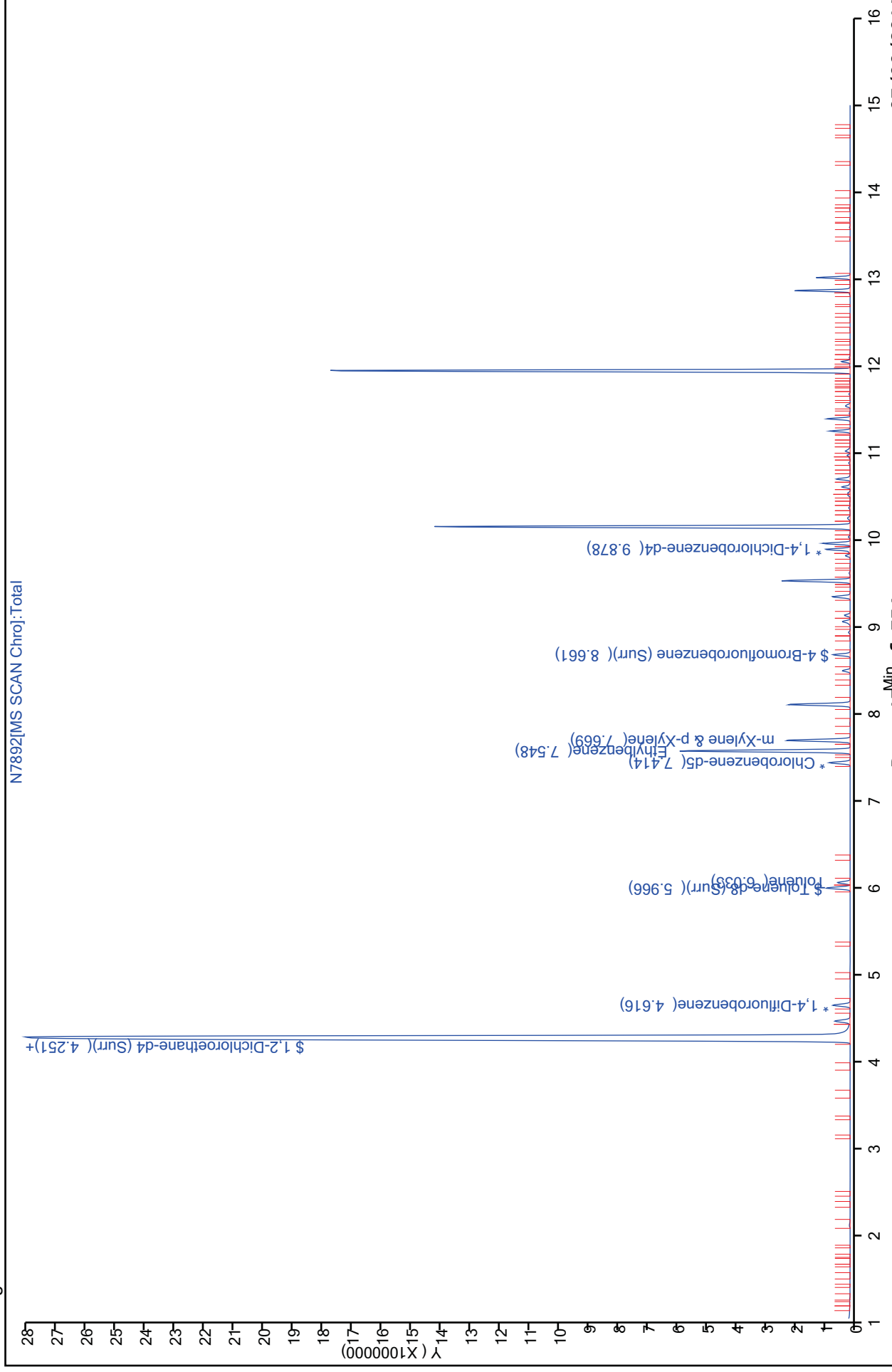
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.616	4.616	0.0	91	472728	25.0	
* 2 Chlorobenzene-d5	117	7.414	7.414	0.0	86	391756	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.878	9.878	0.0	94	214590	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.244	4.226	0.018	0	117262	19.3	
\$ 6 Toluene-d8 (Surr)	98	5.966	5.966	0.0	83	537363	26.6	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.661	8.661	0.0	87	157956	24.9	
55 Benzene	78	4.244	4.226	0.018	77	23193414	917.9	E
73 Toluene	92	6.033	6.027	0.006	92	186288	12.8	
88 Ethylbenzene	91	7.548	7.548	0.0	98	4086802	152.0	E
90 m-Xylene & p-Xylene	106	7.669	7.670	-0.001	99	634974	60.4	
91 o-Xylene	106	8.083	8.083	0.0	97	588005	59.0	
S 125 Total BTEX	1				0		1202.1	
S 126 Xylenes, Total	1				0		119.4	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Report Date: 26-May-2011 12:43:33 Chrom Revision: 1.2 17-May-2011 14:46:34
Data File: \\Bufchrom\ChromData\HP5973N\20110525-3464.b\N7892.D
Injection Date: 26-May-2011 01:05:30 Limit Group: MV - 8260B ICAL
Client ID: MW-8RDR Instrument ID: HP5973N
Lims Batch ID: 17553 Lims Sample ID: 8
Operator ID: NMD Column Dia: 0.25 mm
Column Type: ZB-624
Y Scaling:



Report Date: 26-May-2011 12:43:33

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973N\20110525-3464.b\N7892.D

Injection Date: 26-May-2011 01:05:30

Limit Group: MV - 8260B ICAL

Client ID: MW-8RDR

Instrument ID: HP5973N

Lims Batch ID: 17553

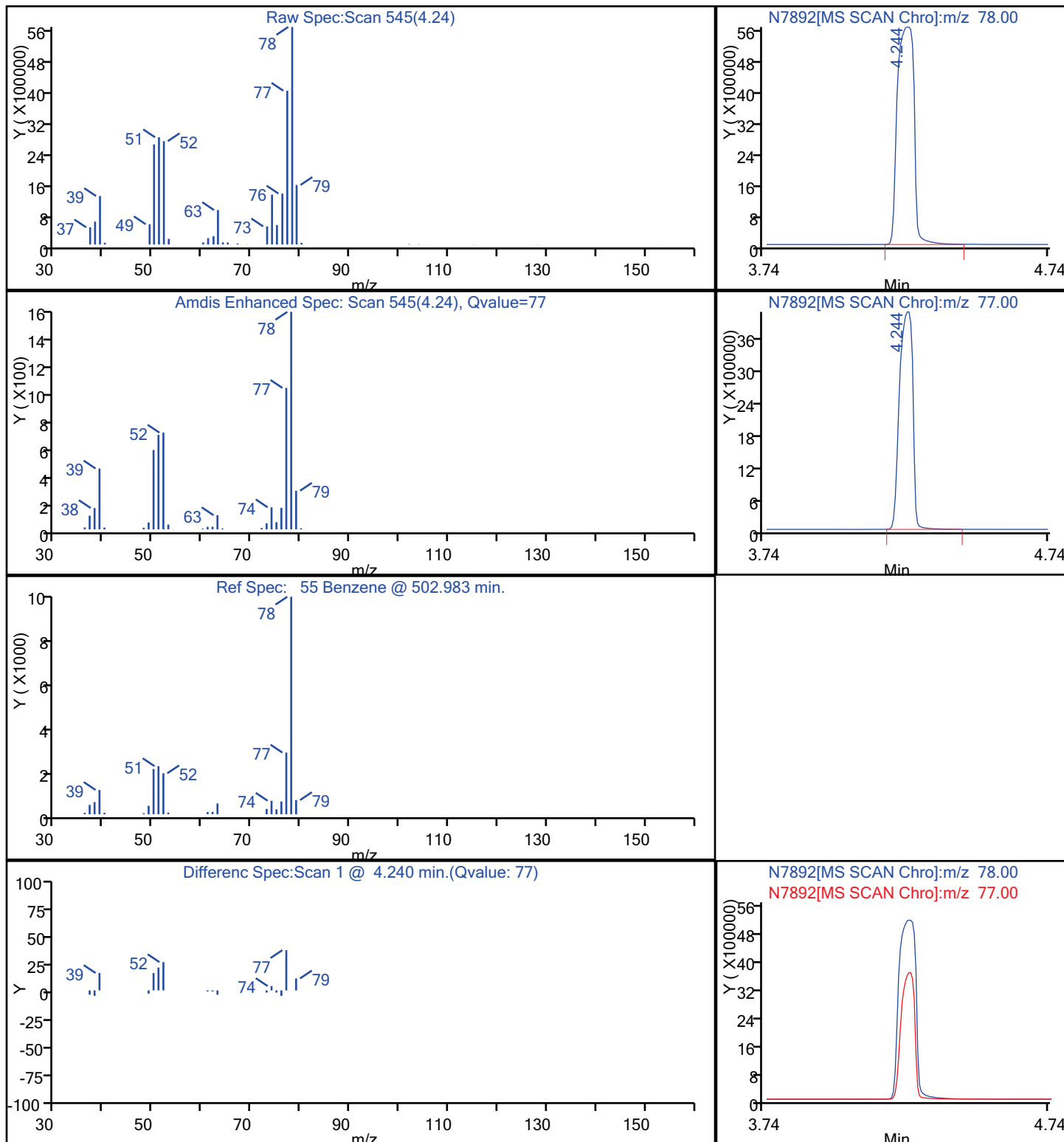
Lims Sample ID: 8

Operator ID: NMD

Column Type: ZB-624

Column Dia: 0.25 mm

55 Benzene



Report Date: 26-May-2011 12:43:33

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973N\20110525-3464.b\N7892.D

Injection Date: 26-May-2011 01:05:30

Limit Group: MV - 8260B ICAL

Client ID: MW-8RDR

Instrument ID: HP5973N

Lims Batch ID: 17553

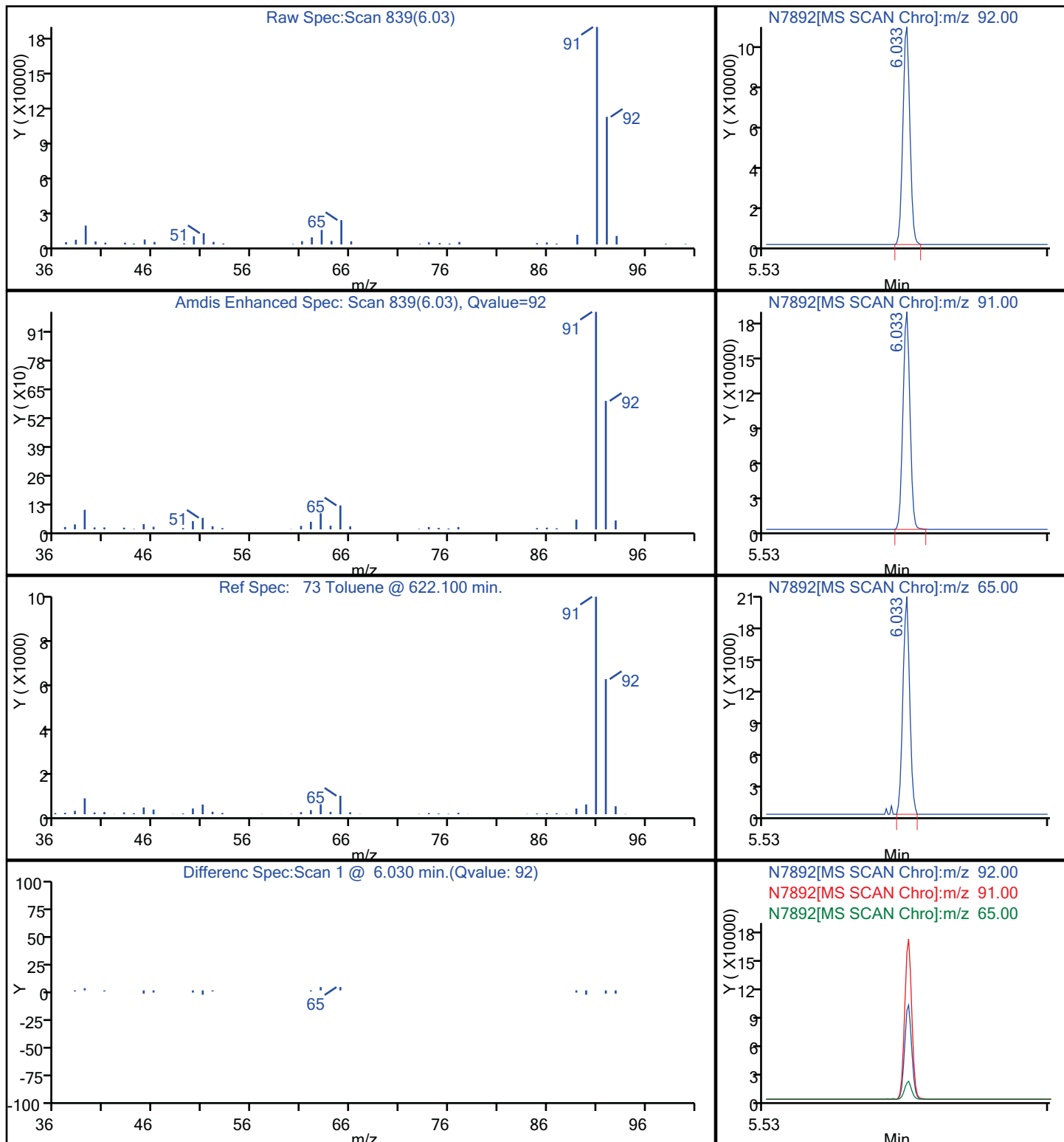
Lims Sample ID: 8

Operator ID: NMD

Column Type: ZB-624

Column Dia: 0.25 mm

73 Toluene



Report Date: 26-May-2011 12:43:33

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973N\20110525-3464.b\N7892.D

Injection Date: 26-May-2011 01:05:30

Limit Group: MV - 8260B ICAL

Client ID: MW-8RDR

Instrument ID: HP5973N

Lims Batch ID: 17553

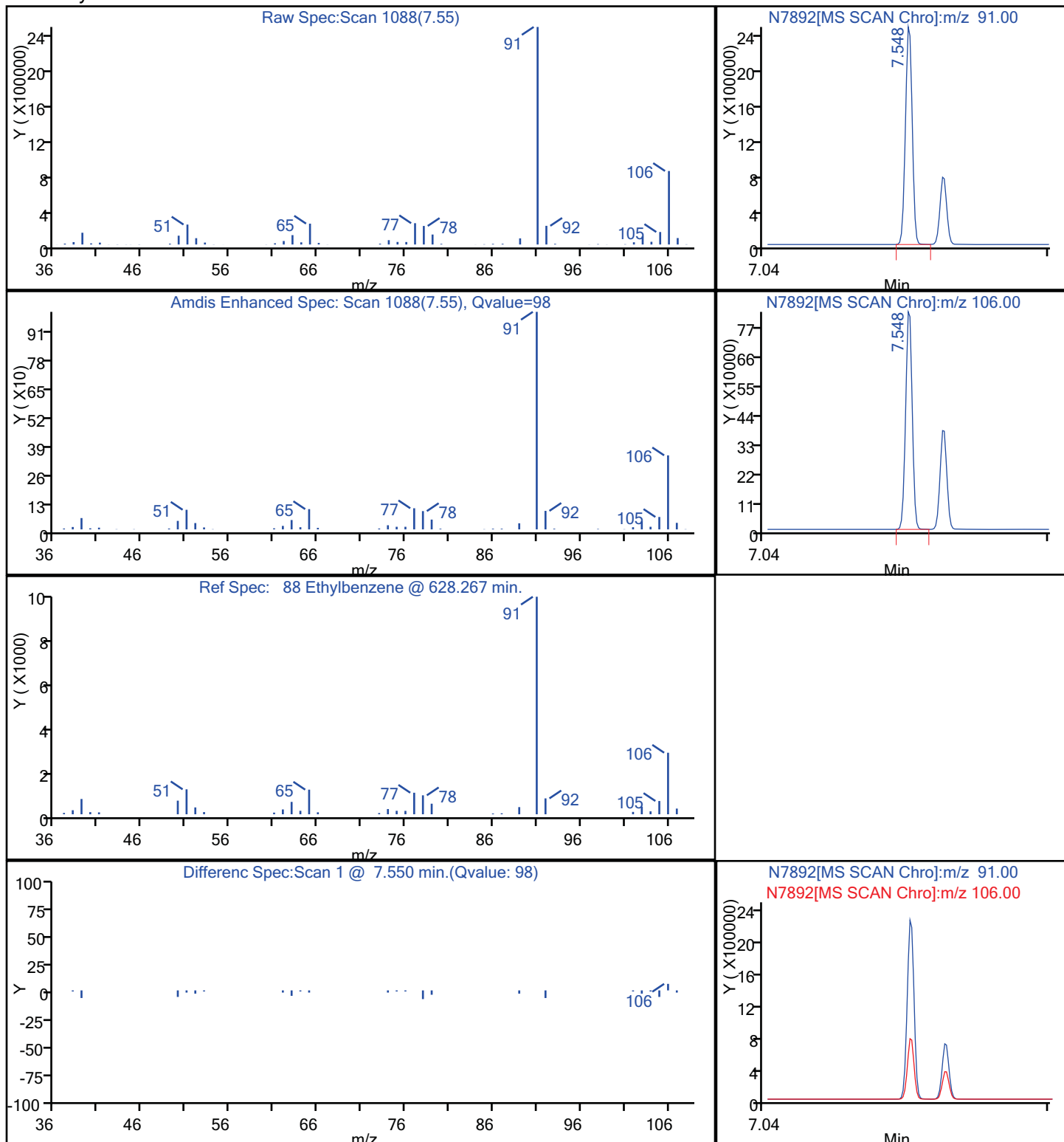
Lims Sample ID: 8

Operator ID: NMD

Column Type: ZB-624

Column Dia: 0.25 mm

88 Ethylbenzene



Report Date: 26-May-2011 12:43:33

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973N\20110525-3464.b\N7892.D

Injection Date: 26-May-2011 01:05:30

Limit Group: MV - 8260B ICAL

Client ID: MW-8RDR

Instrument ID: HP5973N

Lims Batch ID: 17553

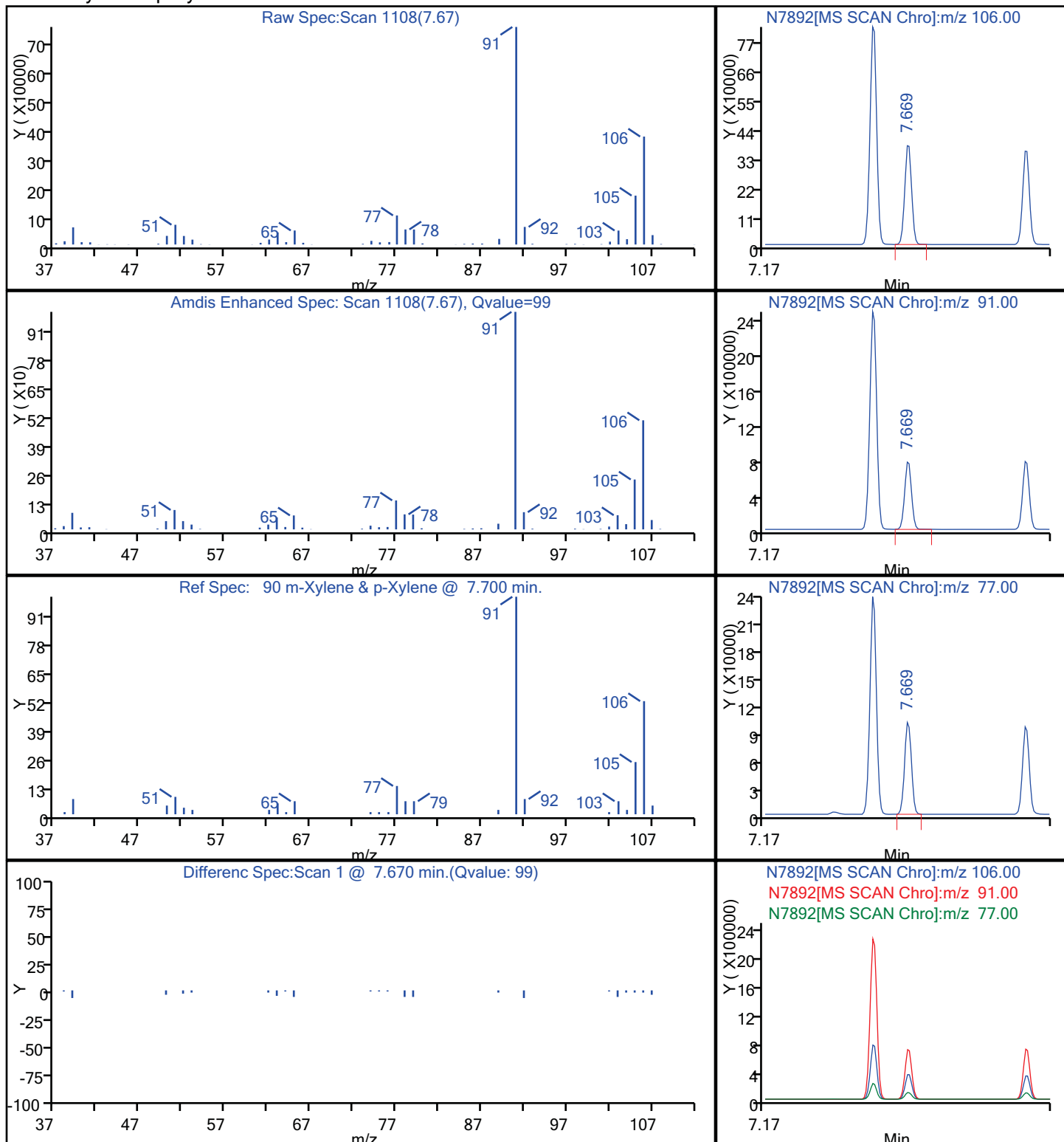
Lims Sample ID: 8

Operator ID: NMD

Column Type: ZB-624

Column Dia: 0.25 mm

90 m-Xylene & p-Xylene



Report Date: 26-May-2011 12:43:33

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973N\20110525-3464.b\N7892.D

Injection Date: 26-May-2011 01:05:30

Limit Group: MV - 8260B ICAL

Client ID: MW-8RDR

Instrument ID: HP5973N

Lims Batch ID: 17553

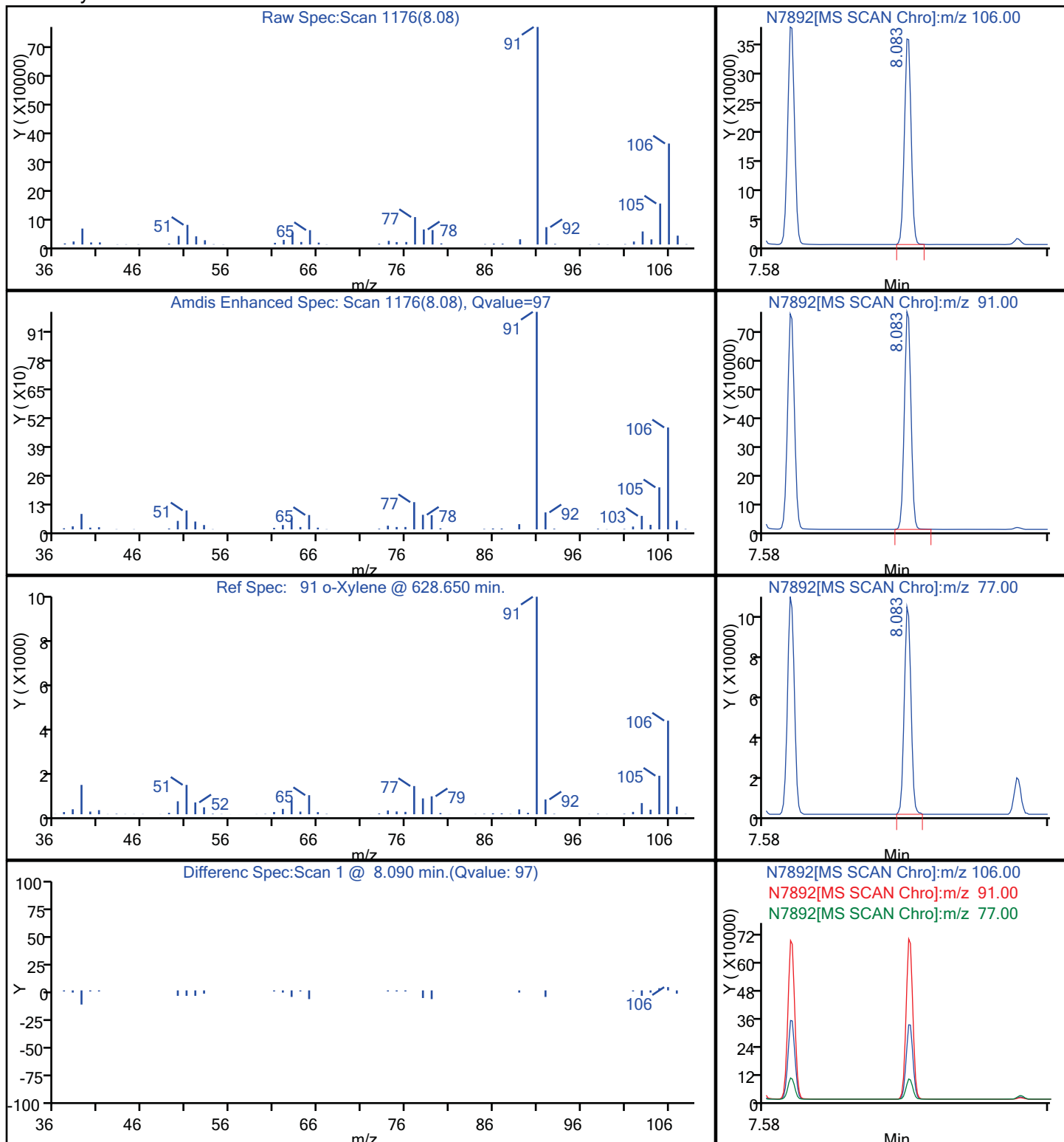
Lims Sample ID: 8

Operator ID: NMD

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.: 480-5072-1
 SDG No.: _____
 Client Sample ID: MW-8DR DL Lab Sample ID: 480-5174-1 DL
 Matrix: Water Lab File ID: N7938.D
 Analysis Method: 8260B Date Collected: 05/18/2011 15:20
 Sample wt/vol: 5(mL) Date Analyzed: 05/27/2011 02:24
 Soil Aliquot Vol: _____ Dilution Factor: 400
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 17745 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	23000		400	160
108-88-3	Toluene	ND		400	200
100-41-4	Ethylbenzene	740		400	300
179601-23-1	m-Xylene & p-Xylene	ND		800	260
95-47-6	o-Xylene	ND		400	300
1330-20-7	Xylenes, Total	ND		800	260

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		66-137
2037-26-5	Toluene-d8 (Surr)	106		71-126
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20110526-3497.b\N7938.D
 Lims ID: 480-5174-F-1 Client ID: MW-8RDR
 Inject. Date: 27-May-2011 02:24:30 Dil. Factor: 400.0000
 Sample Type: Client
 Sample ID: 480-5174-F-1
 Misc. Info.: 480-0003497-013
 Operator: NMD Instrument ID: HP5973N
 Vol. Injected: 1.0000 ALS Bottle#: 38
 Lims Batch ID: 17745 Lims Sample ID: 13
 Detector: MS SCAN

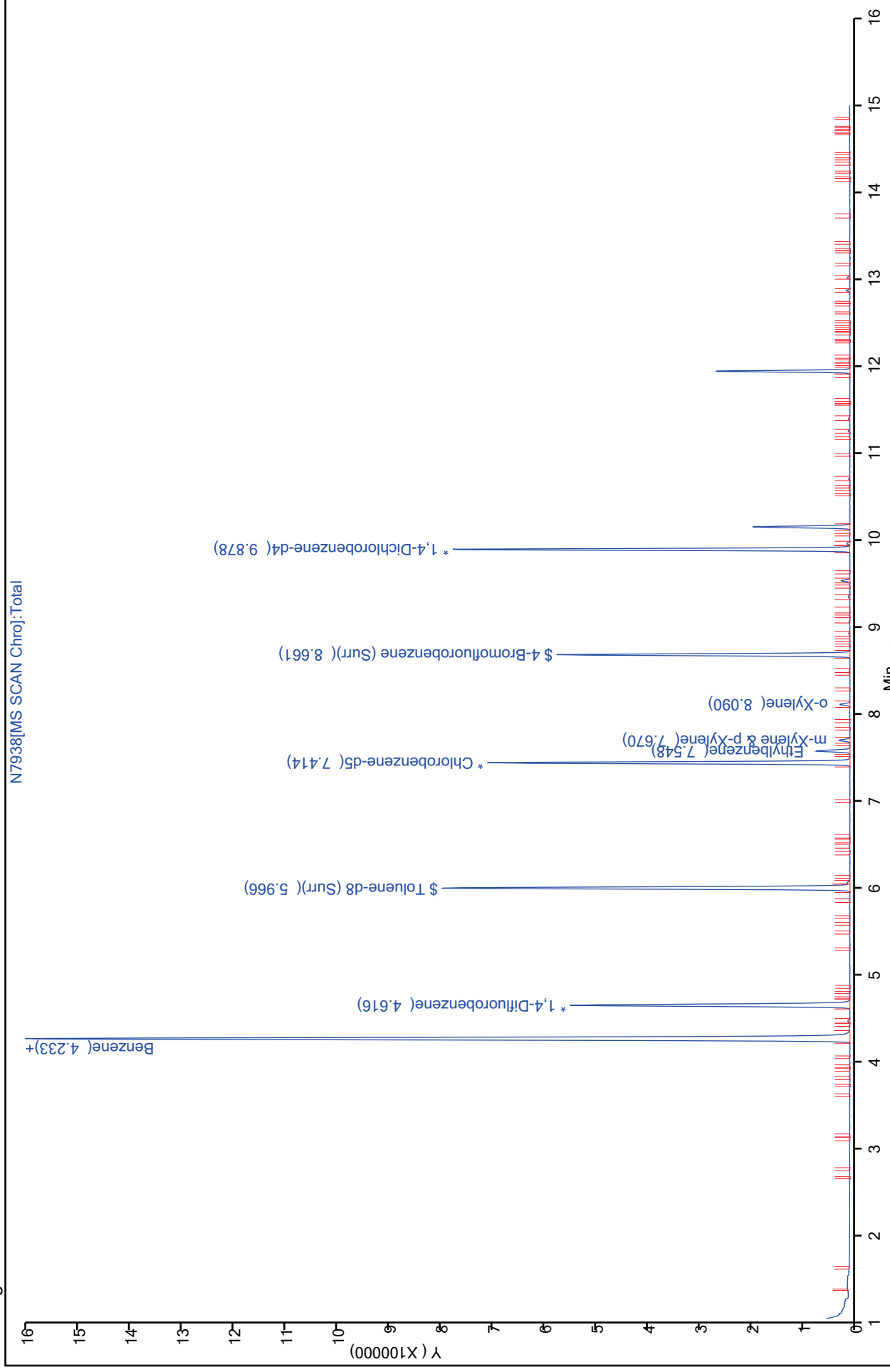
Method: \\Bufchrom\ChromData\HP5973N\20110526-3497.b\N-8260.m
 Last Update: 26-May-2011 22:51:56 Calib Date: 18-May-2011 16:42:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20110518-3245.b\N7574.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: HillL

Date: 27-May-2011 12:55:44

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.616	4.616	0.0	91	423432	25.0	
* 2 Chlorobenzene-d5	117	7.414	7.414	0.0	86	375197	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.878	9.878	0.0	95	195682	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.226	4.226	0.0	0	145862	26.7	
\$ 6 Toluene-d8 (Surr)	98	5.966	5.966	0.0	83	511497	26.5	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.661	8.661	0.0	87	146345	24.1	
55 Benzene	78	4.233	4.233	0.0	96	1278605	56.5	
73 Toluene	92		6.027					
88 Ethylbenzene	91	7.554	7.548	0.006	86	47921	1.86	
90 m-Xylene & p-Xylene	106	7.670	7.670	0.0	82	6416	0.6367	
91 o-Xylene	106	8.083	8.083	0.0	56	5790	0.6069	
S 125 Total BTEX	1				0		59.6	
S 126 Xylenes, Total	1				0		1.24	

Report Date: 27-May-2011 12:55:44
Data File: \\Bufchrom\ChromData\HP5973N\20110526-3497.b\N7938.D
Injection Date: 27-May-2011 02:24:30
Client ID: MW-8RDR
Lims Batch ID: 17745
Operator ID: NMD
Column Type: ZB-624
Chrom Revision: 1.2 17-May-2011 14:46:34
Limit Group: MV - 8260B ICAL
Instrument ID: HP5973N
Lims Sample ID: 13
Column Dia: 0.25 mm
Y Scaling:



Report Date: 27-May-2011 12:55:44

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973N\20110526-3497.b\N7938.D

Injection Date: 27-May-2011 02:24:30

Limit Group: MV - 8260B ICAL

Client ID: MW-8RDR

Instrument ID: HP5973N

Lims Batch ID: 17745

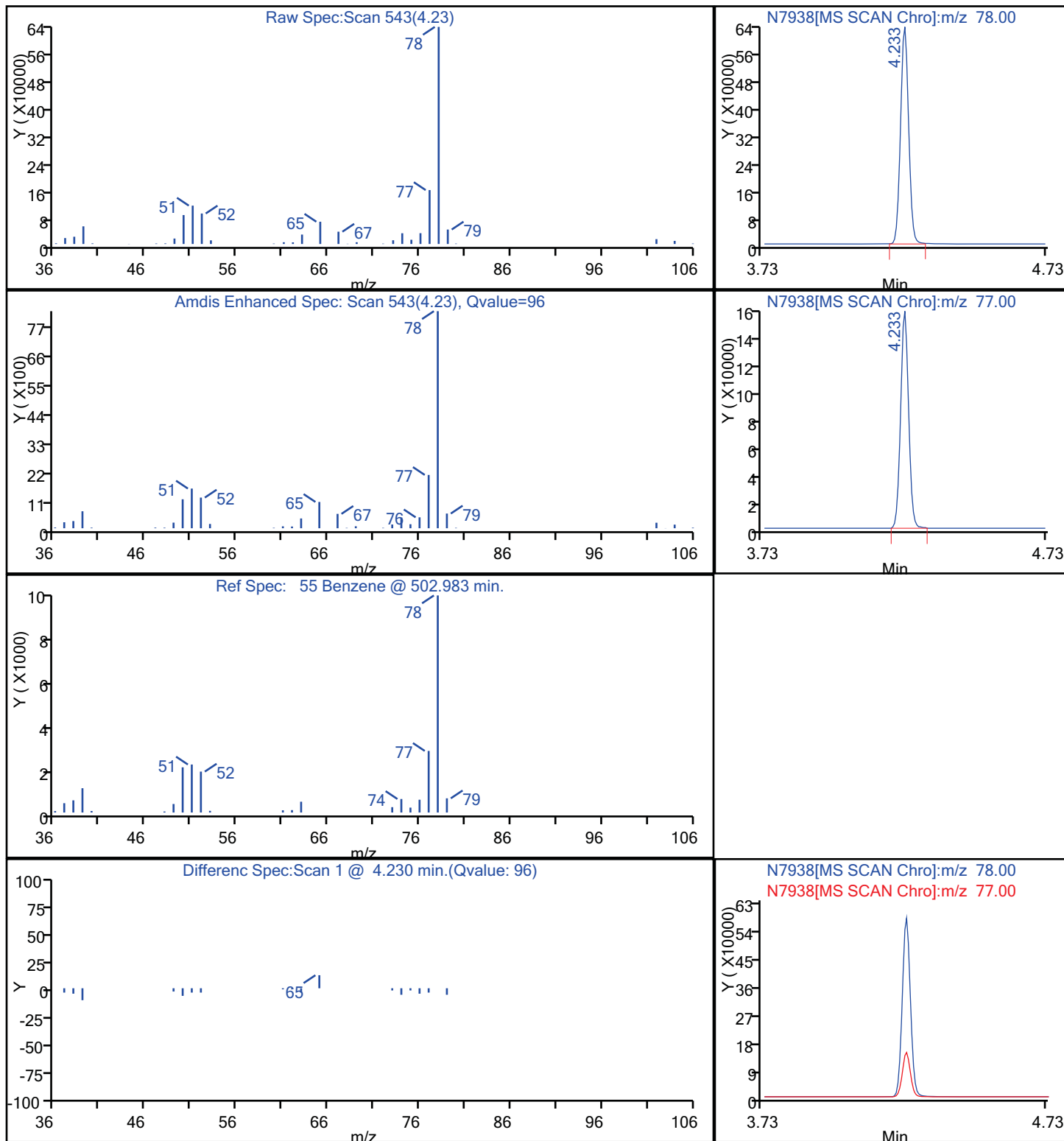
Lims Sample ID: 13

Operator ID: NMD

Column Type: ZB-624

Column Dia: 0.25 mm

55 Benzene



Report Date: 27-May-2011 12:55:44

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973N\20110526-3497.b\N7938.D

Injection Date: 27-May-2011 02:24:30

Limit Group: MV - 8260B ICAL

Client ID: MW-8RDR

Instrument ID: HP5973N

Lims Batch ID: 17745

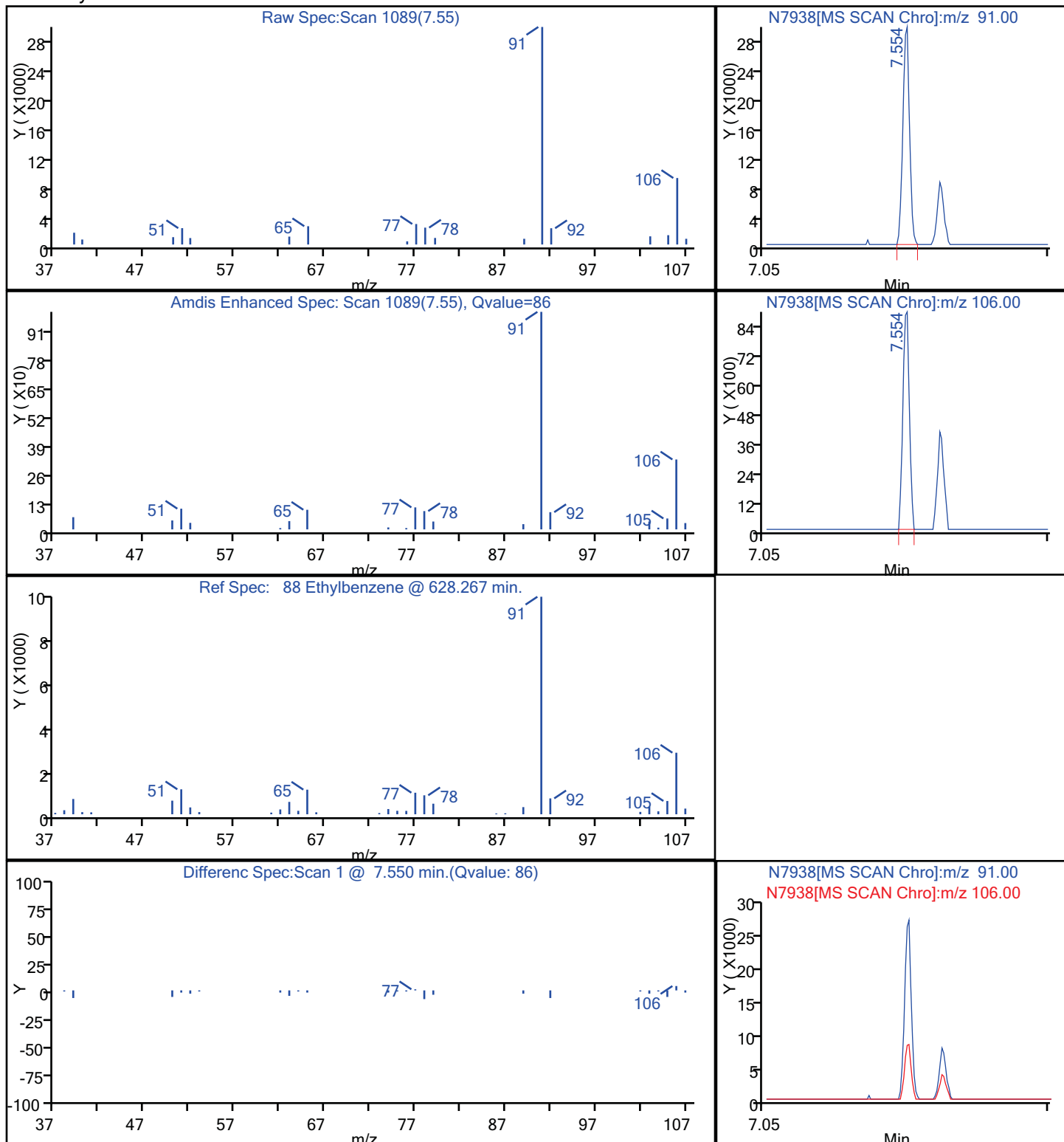
Lims Sample ID: 13

Operator ID: NMD

Column Type: ZB-624

Column Dia: 0.25 mm

88 Ethylbenzene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
 SDG No.: _____
 Client Sample ID: EQUIPMENT BLANK Lab Sample ID: 480-5174-2
 Matrix: Water Lab File ID: N7893.D
 Analysis Method: 8260B Date Collected: 05/18/2011 17:00
 Sample wt/vol: 5(mL) Date Analyzed: 05/26/2011 01:28
 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.: 17553 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)	102		66-137
2037-26-5	Toluene-d8 (Surr)	105		71-126
460-00-4	4-Bromofluorobenzene (Surr)	95		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20110525-3464.b\N7893.D
 Lims ID: 480-5174-D-2 Client ID: EQUIPMENT BLANK
 Inject. Date: 26-May-2011 01:28:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID:
 Misc. Info.:
 Operator: NMD Instrument ID: HP5973N
 Vol. Injected: 1.0000 ALS Bottle#: 8
 Lims Batch ID: 17553 Lims Sample ID: 9
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20110525-3464.b\N-8260.m
 Last Update: 25-May-2011 23:38:27 Calib Date: 18-May-2011 16:42:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20110518-3245.b\N7574.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: HillL

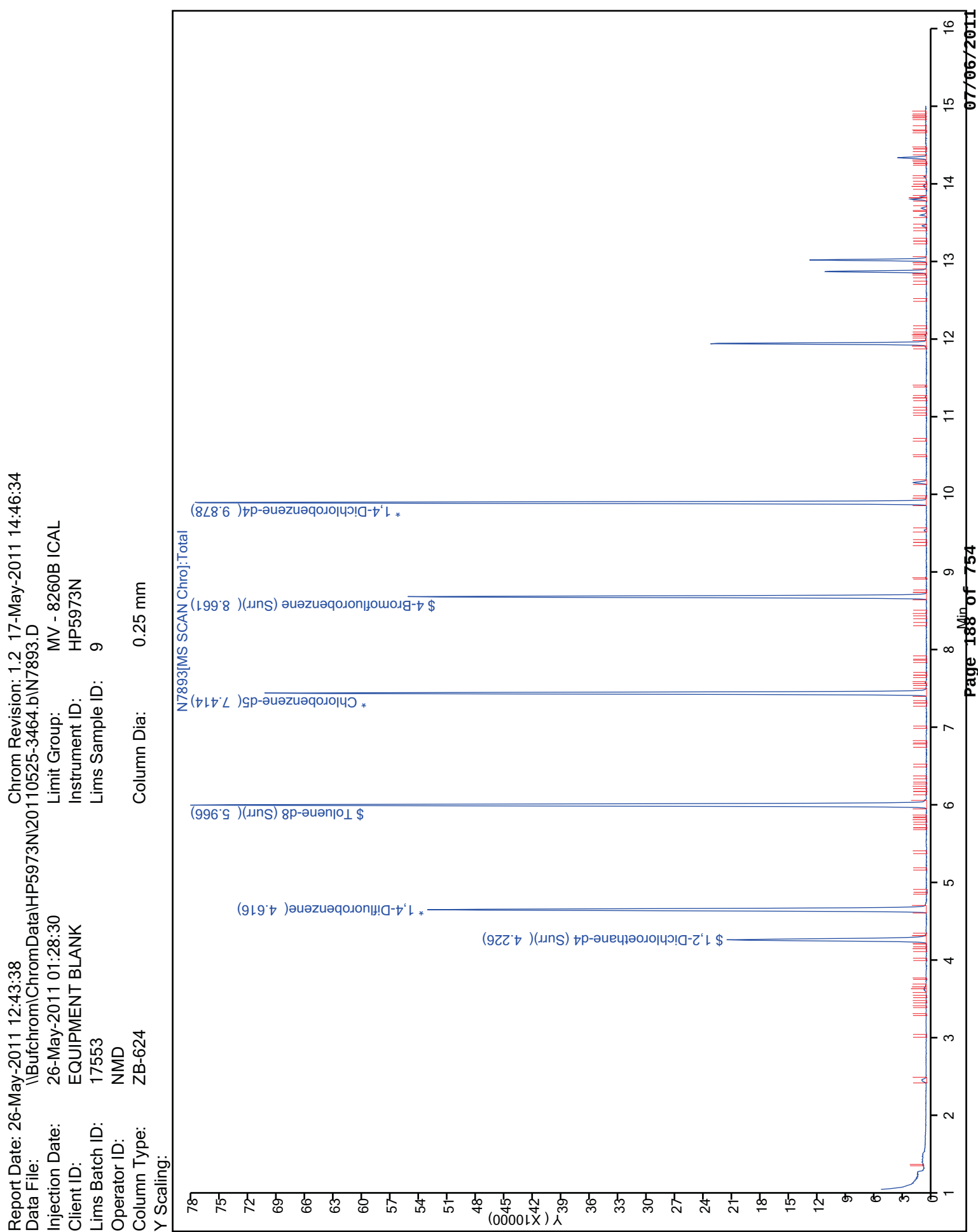
Date: 26-May-2011 12:43:37

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.616	4.616	0.0	91	445484	25.0	
* 2 Chlorobenzene-d5	117	7.414	7.414	0.0	84	389933	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.878	9.878	0.0	95	203160	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.226	4.226	0.0	0	145814	25.4	
\$ 6 Toluene-d8 (Surr)	98	5.966	5.966	0.0	83	526310	26.2	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.661	8.661	0.0	86	149547	23.7	
55 Benzene	78		4.226					
73 Toluene	92		6.027					
88 Ethylbenzene	91		7.548					
90 m-Xylene & p-Xylene	106		7.670					
91 o-Xylene	106		8.083					
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



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
 SDG No.: _____
 Client Sample ID: TRIP BLANK Lab Sample ID: 480-5174-3
 Matrix: Water Lab File ID: N7905.D
 Analysis Method: 8260B Date Collected: 05/18/2011 00:00
 Sample wt/vol: 5(mL) Date Analyzed: 05/26/2011 12:37
 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.: 17630 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)	106		66-137
2037-26-5	Toluene-d8 (Surr)	107		71-126
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20110526-3480.b\N7905.D
 Lims ID: 480-5174-A-3 Client ID: TRIP BLANK
 Inject. Date: 26-May-2011 12:37:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-5174-A-3
 Misc. Info.: 480-0003480-006
 Operator: LH Instrument ID: HP5973N
 Vol. Injected: 1.0000 ALS Bottle#: 5
 Lims Batch ID: 17630 Lims Sample ID: 6
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20110526-3480.b\N-8260.m
 Last Update: 26-May-2011 14:15:29 Calib Date: 18-May-2011 16:42:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20110518-3245.b\N7574.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: diasn

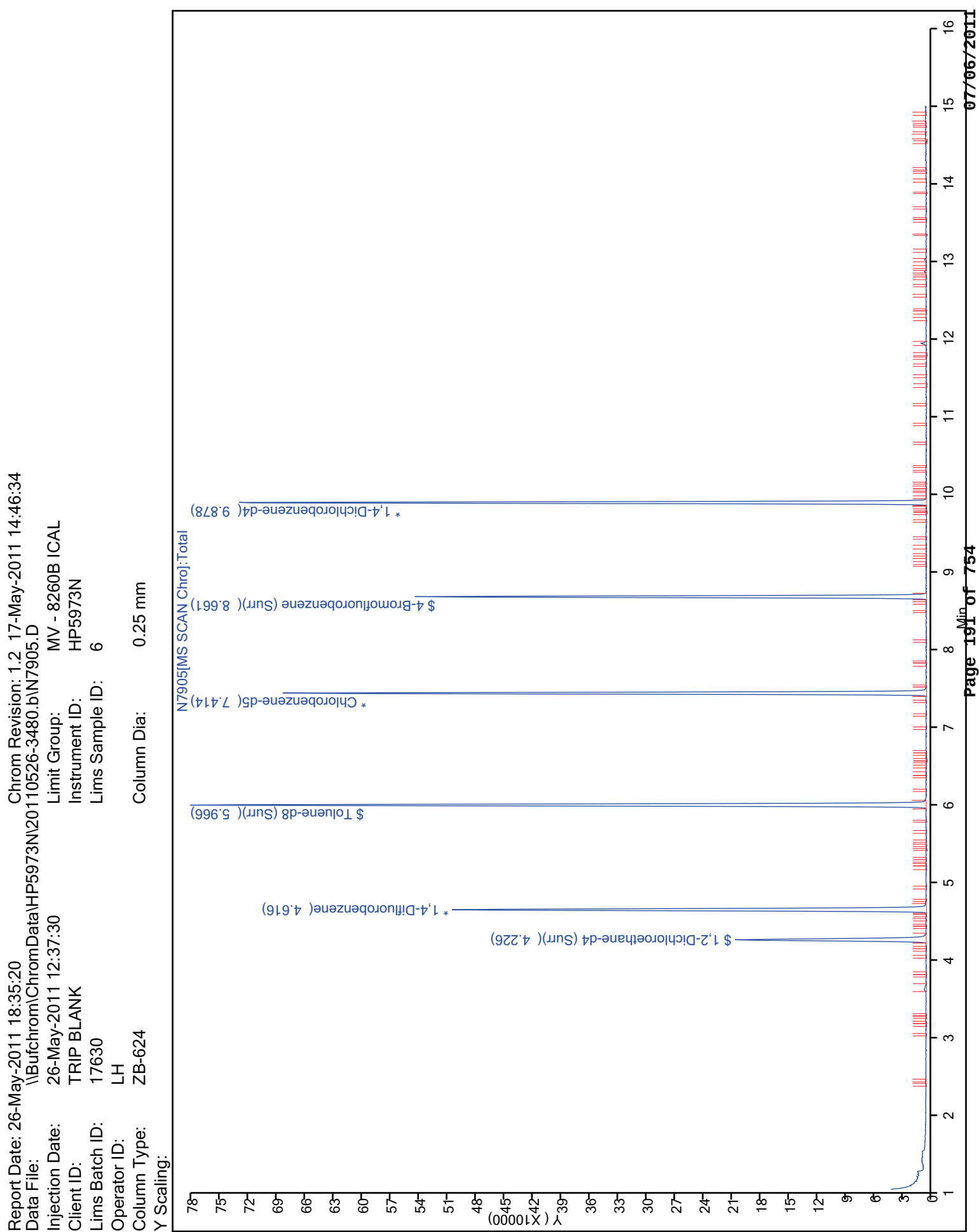
Date: 26-May-2011 18:35:20

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.616	4.616	0.0	91	426669	25.0	
* 2 Chlorobenzene-d5	117	7.414	7.414	0.0	85	378177	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.878	9.878	0.0	95	197143	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.226	4.220	0.006	0	146219	26.6	
\$ 6 Toluene-d8 (Surr)	98	5.966	5.966	0.0	83	521528	26.8	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.661	8.661	0.0	88	148438	24.3	
55 Benzene	78		4.226					
73 Toluene	92		6.027					
88 Ethylbenzene	91		7.548					
90 m-Xylene & p-Xylene	106		7.676					
91 o-Xylene	106		8.089					
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



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

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1 Analy Batch No.: 16584

SDG No.: _____

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

Calibration Start Date: 05/18/2011 13:51 Calibration End Date: 05/18/2011 16:42 Calibration ID: 2101

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-16584/10	N7574.D
Level 2	STD 480-16584/3	N7568.D
Level 3	STD 480-16584/4	N7569.D
Level 4	STD 480-16584/5	N7570.D
Level 5	STD 480-16584/6	N7571.D
Level 6	STD 480-16584/7	N7572.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	0.2616 0.2626	0.2780	0.2855	0.2918	0.2833		Ave		0.2771				4.5		15.0			
Chloromethane	0.3836 0.2774	0.3151	0.3041	0.3049	0.2939		Ave		0.3132			0.1000	12.0		15.0			
Vinyl chloride	0.4171 0.3079	0.3276	0.3409	0.3391	0.3336		Ave		0.3444				11.0		30.0			
Bromomethane	0.2600 0.1897	0.2113	0.2149	0.1999	0.1982		Ave		0.2123				12.0		15.0			
Chloroethane	0.2129 0.1923	0.1944	0.1970	0.1887	0.1896		Ave		0.1958				4.6		15.0			
Trichlorofluoromethane	0.3011 0.3137	0.3050	0.3226	0.3316	0.3331		Ave		0.3179				4.2		15.0			
Acrolein	0.0219 0.0225	0.0208	0.0216	0.0225	0.0228		Ave		0.0220				3.5		15.0			
1,1-Dichloroethene	0.3584 0.2777	0.2977	0.3030	0.2936	0.2902		Ave		0.3034				9.3		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2504 0.2075	0.2320	0.2295	0.2338	0.2274		Ave		0.2301				6.0		15.0			
Acetone	0.0661 0.0647	0.0615	0.0651	0.0668	0.0659		Ave		0.0650				2.9		15.0			
Iodomethane	0.3489 0.3097	0.3214	0.3227	0.3242	0.3163		Ave		0.3239				4.1		15.0			
Carbon disulfide	0.7266 0.6629	0.6965	0.6889	0.7118	0.7044		Ave		0.6985				3.1		15.0			
Methyl acetate	0.2529 0.2470	0.2250	0.2472	0.2425	0.2513		Ave		0.2443				4.2		15.0			
Acetonitrile	0.0086 0.0141	0.0131	0.0143	0.0146	0.0146		LinlF		0.0143						0.9990			0.9900
Methylene Chloride	0.3691 0.3098	0.3093	0.3249	0.3143	0.3105		Ave		0.3230				7.2		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1 Analy Batch No.: 16584

SDG No.: _____

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

Calibration Start Date: 05/18/2011 13:51 Calibration End Date: 05/18/2011 16:42 Calibration ID: 2101

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	0.3347 0.3002	0.2953	0.3110	0.3020	0.3033	Ave	0.3077				4.6		15.0			
Methyl tert-butyl ether	0.8725 0.8472	0.7618	0.8130	0.8223	0.8356	Ave	0.8254				4.5		15.0			
Acrylonitrile	0.0731 0.0834	0.0751	0.0801	0.0832	0.0844	Ave	0.0799				5.9		15.0			
1,1-Dichloroethane	0.5836 0.5055	0.4946	0.5162	0.5094	0.5027	Ave	0.5187			0.1000	6.3		15.0			
Vinyl acetate	0.3239 0.4025	0.3090	0.3507	0.3853	0.4068	Ave	0.3630				11.0		15.0			
2,2-Dichloropropane	0.0939 0.2905	0.1993	0.2240	0.2497	0.2771	Lin1F	0.2748						0.9900			0.9900
cis-1,2-Dichloroethene	0.3573 0.3281	0.3197	0.3314	0.3304	0.3257	Ave	0.3321				3.9		15.0			
2-Butanone (MEK)	0.1076 0.1086	0.0962	0.1056	0.1058	0.1086	Ave	0.1054				4.4		15.0			
Bromochloromethane	0.1476 0.1487	0.1379	0.1454	0.1459	0.1466	Ave	0.1454				2.6		15.0			
Tetrahydrofuran	0.0534 0.0717	0.0632	0.0689	0.0714	0.0718	Ave	0.0667				11.0		15.0			
Chloroform	0.6284 0.5155	0.5259	0.5368	0.5227	0.5109	Ave	0.5400				8.2		30.0			
1,1,1-Trichloroethane	0.3470 0.3626	0.2905	0.3123	0.3381	0.3497	Ave	0.3334				8.1		15.0			
Cyclohexane	0.4451 0.3925	0.4123	0.4143	0.4129	0.4089	Ave	0.4143				4.1		15.0			
Carbon tetrachloride	0.2970 0.3333	0.2417	0.2681	0.2945	0.3151	Ave	0.2916				11.0		15.0			
1,1-Dichloropropene	0.4850 0.4308	0.4245	0.4313	0.4356	0.4348	Ave	0.4403				5.0		15.0			
Benzene	1.5196 1.2722	1.2999	1.3221	1.3109	1.2931	Ave	1.3363				6.8		15.0			
1,2-Dichloroethane	0.4222 0.3505	0.3525	0.3614	0.3581	0.3531	Ave	0.3663				7.6		15.0			
Trichloroethene	0.3358 0.3042	0.3015	0.3093	0.3024	0.3055	Ave	0.3098				4.2		15.0			
Methylcyclohexane	0.3660 0.5017	0.5157	0.5194	0.5243	0.5190	Ave	0.4910				13.0		15.0			
1,2-Dichloropropane	0.3274 0.2958	0.2889	0.2879	0.2928	0.2908	Ave	0.2973				5.1		30.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1 Analy Batch No.: 16584

SDG No.: _____

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

Calibration Start Date: 05/18/2011 13:51 Calibration End Date: 05/18/2011 16:42 Calibration ID: 2101

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	0.1699 0.1696	0.1547	0.1655	0.1671	0.1652	Ave	0.1653				3.4		15.0			
Bromodichloromethane	0.3785 0.3879	0.3204	0.3431	0.3661	0.3756	Ave	0.3619				7.0		15.0			
2-Chloroethyl vinyl ether	0.1636 0.1833	0.1569	0.1715	0.1819	0.1828	Ave	0.1733				6.5		15.0			
cis-1,3-Dichloropropene	0.4277 0.4994	0.3779	0.4189	0.4474	0.4740	Ave	0.4409				9.7		15.0			
4-Methyl-2-pentanone (MIBK)	0.2291 0.2504	0.2239	0.2454	0.2536	0.2555	Ave	0.2430				5.5		15.0			
Toluene	1.0717 0.8941	0.8844	0.8819	0.9183	0.9047	Ave	0.9259				7.9		30.0			
trans-1,3-Dichloropropene	0.3383 0.4800	0.3048	0.3585	0.3999	0.4408	Lin1F	0.4476						0.9900			0.9900
Ethyl methacrylate	0.3061 0.4567	0.2945	0.3418	0.4045	0.4409	Lin1F	0.4346						0.9920			0.9900
1,1,2-Trichloroethane	0.2592 0.2466	0.2390	0.2479	0.2426	0.2448	Ave	0.2467				2.8		15.0			
Tetrachloroethene	0.4420 0.3581	0.3662	0.3705	0.3652	0.3603	Ave	0.3770				8.5		15.0			
1,3-Dichloropropane	0.5336 0.5192	0.4955	0.5228	0.5146	0.5171	Ave	0.5205				3.6		15.0			
2-Hexanone	0.1485 0.1790	0.1504	0.1653	0.1780	0.1827	Ave	0.1673				9.0		15.0			
Dibromochloromethane	0.2485 0.3065	0.2238	0.2595	0.2732	0.2941	Ave	0.2676				11.0		15.0			
1,2-Dibromoethane	0.2732 0.2828	0.2406	0.2726	0.2734	0.2800	Ave	0.2704				5.6		15.0			
Chlorobenzene	1.1394 0.9336	0.9525	0.9749	0.9599	0.9421	Ave	0.9837			0.3000	7.9		15.0			
1,1,1,2-Tetrachloroethane	0.2565 0.3067	0.2337	0.2648	0.2780	0.2936	Ave	0.2722				9.7		15.0			
Ethylbenzene	1.9206 1.6360	1.6341	1.7277	1.6957	1.6823	Ave	1.7161				6.2		30.0			
m-Xylene & p-Xylene	0.7681 0.6445	0.6392	0.6638	0.6582	0.6548	Ave	0.6714				7.2		15.0			
o-Xylene	0.6819 0.6288	0.6105	0.6364	0.6278	0.6285	Ave	0.6357				3.8		15.0			
Styrene	1.0946 1.1099	1.0275	1.1049	1.1097	1.1096	Ave	1.0927				3.0		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 EVALUTION

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1 Analy Batch No.: 16584

SDG No.: _____

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

Calibration Start Date: 05/18/2011 13:51 Calibration End Date: 05/18/2011 16:42 Calibration ID: 2101

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	0.1100 0.1894	0.1167	0.1381	0.1540	0.1746		0.1844			0.1000				0.9950		0.9900
Isopropylbenzene	3.3976 2.8260	2.8393	2.9079	2.9178	2.8881		2.9628				7.3		15.0			
Bromobenzene	0.7888 0.7129	0.6947	0.7241	0.7105	0.7019		0.7222				4.7		15.0			
1,1,2,2-Tetrachloroethane	0.6786 0.6817	0.6158	0.6410	0.6577	0.6673		0.6570			0.3000	3.8		15.0			
1,2,3-Trichloropropane	0.1652 0.1912	0.1843	0.1911	0.1895	0.1891		0.1851				5.4		15.0			
N-Propylbenzene	4.0899 3.4904	3.4608	3.6080	3.6417	3.5857		3.6461				6.3		15.0			
trans-1,4-Dichloro-2-butene	0.0897 0.1446	0.0998	0.1130	0.1314	0.1389	Lin1F	0.1383							0.9940		0.9900
2-Chlorotoluene	0.7469 0.6705	0.6626	0.6699	0.6779	0.6761	Ave	0.6840				4.6		15.0			
1,3,5-Trimethylbenzene	2.6035 2.3797	2.3628	2.4229	2.4425	2.4164	Ave	2.4380				3.5		15.0			
4-Chlorotoluene	2.8399 2.3801	2.4118	2.4678	2.4514	2.4197	Ave	2.4951				6.9		15.0			
tert-Butylbenzene	0.6144 0.5292	0.5241	0.5227	0.5340	0.5266	Ave	0.5418				6.6		15.0			
1,2,4-Trimethylbenzene	2.6410 2.4099	2.3701	2.4771	2.4729	2.4444	Ave	2.4692				3.8		15.0			
sec-Butylbenzene	3.6672 3.0255	3.0377	3.1792	3.1783	3.1364	Ave	3.2041				7.4		15.0			
1,3-Dichlorobenzene	1.6552 1.3815	1.3779	1.4083	1.4149	1.3978	Ave	1.4393				7.4		15.0			
4-Isopropyltoluene	2.8074 2.5337	2.4639	2.5879	2.6555	2.5837	Ave	2.6053				4.5		15.0			
1,4-Dichlorobenzene	1.8348 1.4229	1.4410	1.4690	1.4560	1.4341	Ave	1.5096				11.0		15.0			
n-Butylbenzene	2.7010 2.4474	2.3685	2.5057	2.5390	2.5212	Ave	2.5138				4.4		15.0			
1,2-Dichlorobenzene	1.5443 1.3001	1.3287	1.3416	1.3301	1.3281	Ave	1.3621				6.6		15.0			
1,2-Dibromo-3-Chloropropane	0.0375 0.1034	0.0643	0.0800	0.0924	0.0986	Lin1F	0.0981							0.9900		0.9900
1,2,4-Trichlorobenzene	0.9323 0.9117	0.8616	0.9147	0.9486	0.9493	Ave	0.9197				3.6		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 EVALUTION

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1 Analy Batch No.: 16584

SDG No.: _____

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

Calibration Start Date: 05/18/2011 13:51 Calibration End Date: 05/18/2011 16:42 Calibration ID: 2101

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	0.6245 0.4806	0.5043	0.5179	0.5247	0.5160	Ave				0.5280					9.4		15.0			
Naphthalene	1.6908 1.8663	1.5484	1.8101	1.9373	1.9935	Ave				1.8077					9.1		15.0			
1,2,3-Trichlorobenzene	0.7674 0.7525	0.7153	0.7916	0.8174	0.8202	Ave				0.7774					5.2		15.0			
1,2-Dichloroethane-d4 (Surr)	0.3676 0.3032	0.2985	0.3174	0.3260	0.3200	Ave				0.3221					7.6		15.0			
Toluene-d8 (Surr)	1.4711 1.2114	1.1731	1.2098	1.3555	1.2997	Ave				1.2868					8.8		15.0			
4-Bromofluorobenzene (Surr)	0.4820 0.3825	0.3648	0.3930	0.4044	0.3994	Ave				0.4044					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 RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1 Analy Batch No.: 16584

SDG No.:

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

Calibration Start Date: 05/18/2011 13:51 Calibration End Date: 05/18/2011 16:42 Calibration ID: 2101

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-16584/10	N7574.D
Level 2	STD 480-16584/3	N7568.D
Level 3	STD 480-16584/4	N7569.D
Level 4	STD 480-16584/5	N7570.D
Level 5	STD 480-16584/6	N7571.D
Level 6	STD 480-16584/7	N7572.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	5537 598199	30023	61221	157924	309082	1.00 100	5.00	10.0	25.0	50.0
Chloromethane	DFB	Ave	8119 632020	34025	65199	165022	320706	1.00 100	5.00	10.0	25.0	50.0
Vinyl chloride	DFB	Ave	8828 701502	35380	73091	183506	364030	1.00 100	5.00	10.0	25.0	50.0
Bromomethane	DFB	Ave	5504 432240	22821	46067	108204	216283	1.00 100	5.00	10.0	25.0	50.0
Chloroethane	DFB	Ave	4507 438202	20989	42235	102140	206878	1.00 100	5.00	10.0	25.0	50.0
Trichlorofluoromethane	DFB	Ave	6374 714583	32935	69164	179484	363492	1.00 100	5.00	10.0	25.0	50.0
Acrolein	DFB	Ave	9265 1026501	44898	92623	243870	498329	20.0 2000	100	200	500	1000
1,1-Dichloroethene	DFB	Ave	7587 632645	32149	64973	158899	316647	1.00 100	5.00	10.0	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	DFB	Ave	5300 472840	25053	49215	126510	248092	1.00 100	5.00	10.0	25.0	50.0
Acetone	DFB	Ave	6998 736866	33195	69770	180881	359751	5.00 500	25.0	50.0	125	250
Iodomethane	DFB	Ave	7386 705477	34707	69177	175481	345141	1.00 100	5.00	10.0	25.0	50.0
Carbon disulfide	DFB	Ave	15381 1510221	75208	147694	385238	768655	1.00 100	5.00	10.0	25.0	50.0
Methyl acetate	DFB	Ave	5354 562682	24293	53005	131242	274188	1.00 100	5.00	10.0	25.0	50.0
Acetonitrile	DFB	Lin1F	7282 1287525	56489	122861	316990	635810	1.00 4000	200	400	1000	2000
Methylene Chloride	DFB	Ave	7812 705766	33394	69658	170095	338844	1.00 100	5.00	10.0	25.0	50.0
trans-1,2-Dichloroethene	DFB	Ave	7085 683912	31882	66669	163448	330988	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.: 480-5072-1 Analy Batch No.: 16584

SDG No.:

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

Calibration Start Date: 05/18/2011 13:51 Calibration End Date: 05/18/2011 16:42 Calibration ID: 2101

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	18469 1930205	82260	174300	445017	911739	1.00 100	5.00	10.0	25.0	50.0
Acrylonitrile	DFB	Ave	7737 950062	40540	85893	225143	460494	5.00 500	25.0	50.0	125	250
1,1-Dichloroethane	DFB	Ave	12353 1151568	53404	110682	275714	548494	1.00 100	5.00	10.0	25.0	50.0
Vinyl acetate	DFB	Ave	34275 4584966	166840	375958	1042504	2219324	5.00 500	25.0	50.0	125	250
2,2-Dichloropropane	DFB	LinIF	1988 661896	21520	48027	135130	302356	1.00 100	5.00	10.0	25.0	50.0
cis-1,2-Dichloroethene	DFB	Ave	7562 747569	34518	71051	178820	355357	1.00 100	5.00	10.0	25.0	50.0
2-Butanone (MEK)	DFB	Ave	11391 1236602	51958	113226	286199	592278	5.00 500	25.0	50.0	125	250
Bromochloromethane	DFB	Ave	3125 338864	14895	31168	78966	160010	1.00 100	5.00	10.0	25.0	50.0
Tetrahydrofuran	DFB	Ave	5651 816298	34104	73838	193304	391477	5.00 500	25.0	50.0	125	250
Chloroform	DFB	Ave	13302 1174425	56786	115091	282912	557512	1.00 100	5.00	10.0	25.0	50.0
1,1,1-Trichloroethane	DFB	Ave	7346 826096	31371	66965	182978	381551	1.00 100	5.00	10.0	25.0	50.0
Cyclohexane	DFB	Ave	9422 894175	44521	88826	223483	446155	1.00 100	5.00	10.0	25.0	50.0
Carbon tetrachloride	DFB	Ave	6287 759414	26102	57491	159360	343779	1.00 100	5.00	10.0	25.0	50.0
1,1-Dichloropropene	DFB	Ave	10266 981475	45841	92466	235772	474438	1.00 100	5.00	10.0	25.0	50.0
Benzene	DFB	Ave	32166 2898489	140369	283469	709453	1410946	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloroethane	DFB	Ave	8937 798496	38061	77477	193783	385325	1.00 100	5.00	10.0	25.0	50.0
Trichloroethene	DFB	Ave	7107 692979	32562	66320	163635	333344	1.00 100	5.00	10.0	25.0	50.0
Methylcyclohexane	DFB	Ave	7748 1142909	55688	111364	283781	566319	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloropropane	DFB	Ave	6930 673844	31200	61719	158454	317276	1.00 100	5.00	10.0	25.0	50.0
Dibromomethane	DFB	Ave	3597 386418	16701	35486	90446	180233	1.00 100	5.00	10.0	25.0	50.0
Bromodichloromethane	DFB	Ave	8011 883662	34600	73553	198119	409803	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.: 480-5072-1 Analy Batch No.: 16584

SDG No.:

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

Calibration Start Date: 05/18/2011 13:51 Calibration End Date: 05/18/2011 16:42 Calibration ID: 2101

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	17320 2087710	84727	183815	492258	997169	5.00 500	25.0	50.0	125	250
cis-1,3-Dichloropropene	DFB	Ave	9053 1137780	40803	89817	242156	517187	1.00 100	5.00	10.0	25.0	50.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	21431 2573638	106419	232698	615098	1246414	5.00 500	25.0	50.0	125	250
Toluene	CBZ	Ave	20051 1837901	84081	167251	445418	882519	1.00 100	5.00	10.0	25.0	50.0
trans-1,3-Dichloropropene	CBZ	LinIF	6330 986610	28978	67990	193984	430039	1.00 100	5.00	10.0	25.0	50.0
Ethyl methacrylate	CBZ	LinIF	5726 938635	27997	64815	196184	430099	1.00 100	5.00	10.0	25.0	50.0
1,1,2-Trichloroethane	CBZ	Ave	4849 506976	22717	47008	117655	238768	1.00 100	5.00	10.0	25.0	50.0
Tetrachloroethene	CBZ	Ave	8269 735966	34812	70263	177158	351445	1.00 100	5.00	10.0	25.0	50.0
1,3-Dichloropropane	CBZ	Ave	10357 1067222	47102	99156	249596	504470	1.00 100	5.00	10.0	25.0	50.0
2-Hexanone	CBZ	Ave	13892 1839999	71473	156765	431768	890932	5.00 500	25.0	50.0	125	250
Dibromochloromethane	CBZ	Ave	4650 630060	21272	49216	132534	286901	1.00 100	5.00	10.0	25.0	50.0
1,2-Dibromoethane	CBZ	Ave	5111 581246	22869	51695	132628	273161	1.00 100	5.00	10.0	25.0	50.0
Chlorobenzene	CBZ	Ave	21317 1918968	90547	184893	465598	919013	1.00 100	5.00	10.0	25.0	50.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	4799 630403	22216	50216	134855	286413	1.00 100	5.00	10.0	25.0	50.0
Ethylbenzene	CBZ	Ave	35932 3362724	155346	327661	822507	1641186	1.00 100	5.00	10.0	25.0	50.0
m-Xylene & p-Xylene	CBZ	Ave	28741 2649522	121531	251762	638494	1277629	2.00 200	10.0	20.0	50.0	100
o-Xylene	CBZ	Ave	12758 1292545	58036	120699	304531	613084	1.00 100	5.00	10.0	25.0	50.0
Styrene	CBZ	Ave	20478 2281447	97681	209543	538238	1082498	1.00 100	5.00	10.0	25.0	50.0
Bromoform	CBZ	LinIF	2058 389339	11094	26184	74717	170287	1.00 100	5.00	10.0	25.0	50.0
Isopropylbenzene	DCB	Ave	34066 3267473	149358	311297	793656	1596197	1.00 100	5.00	10.0	25.0	50.0
Bromobenzene	DCB	Ave	7909 824301	36546	77515	193255	387941	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.: 480-5072-1 Analy Batch No.: 16584

SDG No.:

Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 05/18/2011 13:51 Calibration End Date: 05/18/2011 16:42 Calibration ID: 2101

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	6804 788217	32394	68616	178913	368802	1.00 100	5.00	10.0	25.0	50.0
1,2,3-Trichloropropane	DCB	Ave	1656 221113	9694	20455	51546	104536	1.00 100	5.00	10.0	25.0	50.0
N-Propylbenzene	DCB	Ave	41007 4035711	182052	386241	990584	1981762	1.00 100	5.00	10.0	25.0	50.0
trans-1,4-Dichloro-2-butene	DCB	LinIF	4498 835917	26251	60472	178658	383778	5.00 500	25.0	50.0	125	250
2-Chlorotoluene	DCB	Ave	7489 775202	34853	71717	184390	373644	1.00 100	5.00	10.0	25.0	50.0
1,3,5-Trimethylbenzene	DCB	Ave	26104 2751522	124292	259368	664395	1335506	1.00 100	5.00	10.0	25.0	50.0
4-Chlorotoluene	DCB	Ave	28474 2751912	126869	264175	666800	1337342	1.00 100	5.00	10.0	25.0	50.0
tert-Butylbenzene	DCB	Ave	6160 611850	27571	55952	145247	291046	1.00 100	5.00	10.0	25.0	50.0
1,2,4-Trimethylbenzene	DCB	Ave	26480 2786353	124677	265174	672664	1351000	1.00 100	5.00	10.0	25.0	50.0
sec-Butylbenzene	DCB	Ave	36769 3498156	159796	340336	864523	1733447	1.00 100	5.00	10.0	25.0	50.0
1,3-Dichlorobenzene	DCB	Ave	16596 1597377	72482	150760	384854	772524	1.00 100	5.00	10.0	25.0	50.0
4-Isopropyltoluene	DCB	Ave	28148 2929469	129608	277032	722330	1427958	1.00 100	5.00	10.0	25.0	50.0
1,4-Dichlorobenzene	DCB	Ave	18397 1645230	75800	157261	396035	792599	1.00 100	5.00	10.0	25.0	50.0
n-Butylbenzene	DCB	Ave	27082 2829726	124591	268235	690643	1393440	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichlorobenzene	DCB	Ave	15484 1503177	69892	143616	361810	733994	1.00 100	5.00	10.0	25.0	50.0
1,2-Dibromo-3-Chloropropane	DCB	LinIF	376 119600	3382	8563	25140	54513	1.00 100	5.00	10.0	25.0	50.0
1,2,4-Trichlorobenzene	DCB	Ave	9348 1054086	45321	97917	258033	524665	1.00 100	5.00	10.0	25.0	50.0
Hexachlorobutadiene	DCB	Ave	6262 555693	26530	55442	142716	285170	1.00 100	5.00	10.0	25.0	50.0
Naphthalene	DCB	Ave	16953 2157880	81454	193768	526973	1101773	1.00 100	5.00	10.0	25.0	50.0
1,2,3-Trichlorobenzene	DCB	Ave	7694 870019	37627	84742	222342	453302	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloroethane-d4 (Surr)	DFB	Ave	7782 690779	32238	68053	176421	349179	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.: 480-5072-1 Analy Batch No.: 16584

SDG No.: _____

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

Calibration Start Date: 05/18/2011 13:51 Calibration End Date: 05/18/2011 16:42 Calibration ID: 2101

ANALYTE	IS REF	CURVE TYPE	RESPONSE						CONCENTRATION (UG/L)					
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Toluene-d8 (Surr)	CBZ	Ave	27522 2490042	111521	229436	657483	1267886		1.00 100	5.00	10.0	25.0		50.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	9018 786309	34683	74529	196142	389599		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\HP5973N\20110518-3245.b\N7568.D
 Lims ID: STD-2 Client ID:
 Inject. Date: 18-May-2011 13:51:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: STD-2
 Misc. Info.: 480-0003245-003
 Operator: LH Instrument ID: HP5973N
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 16584 Lims Sample ID: 3
 Sublist: chrom-N-8260*sub7
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20110518-3245.b\N-8260.m
 Last Update: 18-May-2011 18:40:41 Calib Date: 18-May-2011 16:42:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20110518-3245.b\N7574.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: cwiklinc

Date: 18-May-2011 18:40:41

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.616	4.616	0.0	91	539911	25.0	
* 2 Chlorobenzene-d5	117	7.414	7.414	0.0	83	475333	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.878	9.872	0.006	92	263018	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.226	4.226	0.0	0	32238	4.63	
\$ 6 Toluene-d8 (Surr)	98	5.966	5.966	0.0	80	111521	4.56	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.661	8.661	0.0	86	34683	4.51	
11 Dichlorodifluoromethane	85	1.008	1.002	0.006	51	30023	5.02	
13 Chloromethane	50	1.075	1.087	-0.012	96	34025	5.03	
14 Vinyl chloride	62	1.160	1.160	0.0	92	35380	4.76	
15 Bromomethane	94	1.355	1.361	-0.006	87	22821	4.98	
16 Chloroethane	64	1.416	1.416	0.0	88	20989	4.96	
18 Trichlorofluoromethane	101	1.610	1.610	0.0	82	32935	4.80	
20 Acrolein	56	1.927	1.927	0.0	86	44898	94.4	
22 1,1-Dichloroethene	96	1.982	1.988	-0.006	94	32149	4.91	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	1.994	1.994	0.0	60	25053	5.04	
23 Acetone	43	2.073	2.061	0.012	87	33195	23.6	
24 Iodomethane	142	2.103	2.109	-0.006	92	34707	4.96	
25 Carbon disulfide	76	2.164	2.164	0.0	94	75208	4.99	
28 Methyl acetate	43	2.322	2.322	0.0	56	24293	4.60	
29 Acetonitrile	40	2.328	2.322	0.006	100	56489	183.4	
30 Methylene Chloride	84	2.413	2.420	-0.007	78	33394	4.79	
33 trans-1,2-Dichloroethene	96	2.602	2.608	-0.006	96	31882	4.80	
32 Methyl tert-butyl ether	73	2.614	2.608	0.006	87	82260	4.61	
34 Acrylonitrile	53	2.651	2.645	0.006	97	40540	23.5	
36 1,1-Dichloroethane	63	2.979	2.979	0.0	63	53404	4.77	
39 Vinyl acetate	43	3.040	3.040	0.0	96	166840	21.3	
42 2,2-Dichloropropane	77	3.472	3.472	0.0	53	21520	3.63	
43 cis-1,2-Dichloroethene	96	3.490	3.496	-0.006	75	34518	4.81	
44 2-Butanone (MEK)	43	3.551	3.539	0.012	96	51958	22.8	
47 Chlorobromomethane	128	3.709	3.709	0.0	80	14895	4.74	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	3.764	3.746	0.018	81	34104	23.7	
50 Chloroform	83	3.801	3.794	0.007	82	56786	4.87	
51 1,1,1-Trichloroethane	97	3.904	3.904	0.0	83	31371	4.36	
52 Cyclohexane	56	3.910	3.916	-0.006	84	44521	4.98	
53 Carbon tetrachloride	117	4.032	4.038	-0.006	44	26102	4.14	
54 1,1-Dichloropropene	75	4.038	4.044	-0.006	93	45841	4.82	
55 Benzene	78	4.226	4.232	-0.006	95	140369	4.86	
57 1,2-Dichloroethane	62	4.293	4.293	0.0	90	38061	4.81	
60 Trichloroethene	95	4.829	4.829	0.0	92	32562	4.87	
62 Methylcyclohexane	83	4.950	4.950	0.0	80	55688	5.25	
63 1,2-Dichloropropane	63	5.054	5.054	0.0	89	31200	4.86	
64 Dibromomethane	93	5.182	5.182	0.0	85	16701	4.68	
67 Dichlorobromomethane	83	5.346	5.346	0.0	89	34600	4.43	
69 2-Chloroethyl vinyl ether	63	5.638	5.638	0.0	87	84727	22.6	
71 cis-1,3-Dichloropropene	75	5.753	5.753	0.0	73	40803	4.29	
72 4-Methyl-2-pentanone (MIBK)	43	5.918	5.912	0.006	95	106419	23.0	
73 Toluene	92	6.027	6.033	-0.006	91	84081	4.78	
75 trans-1,3-Dichloropropene	75	6.319	6.319	0.0	77	28978	3.41	
77 Ethyl methacrylate	69	6.398	6.398	0.0	76	27997	3.39	
78 1,1,2-Trichloroethane	83	6.496	6.495	0.001	83	22717	4.84	
79 Tetrachloroethene	166	6.550	6.550	0.0	96	34812	4.86	
80 1,3-Dichloropropane	76	6.648	6.648	0.0	80	47102	4.76	
82 2-Hexanone	43	6.751	6.745	0.006	92	71473	22.5	
83 Chlorodibromomethane	129	6.873	6.873	0.0	70	21272	4.18	
84 Ethylene Dibromide	107	6.964	6.958	0.006	79	22869	4.45	
85 Chlorobenzene	112	7.439	7.439	-0.001	77	90547	4.84	
88 Ethylbenzene	91	7.548	7.548	0.0	98	155346	4.76	
89 1,1,1,2-Tetrachloroethane	131	7.548	7.548	0.0	79	22216	4.29	
90 m-Xylene & p-Xylene	106	7.676	7.676	0.0	99	121531	9.52	
91 o-Xylene	106	8.083	8.083	0.0	76	58036	4.80	
92 Styrene	104	8.114	8.114	0.0	81	97681	4.70	
93 Bromoform	173	8.339	8.339	0.0	75	11094	3.16	
95 Isopropylbenzene	105	8.473	8.473	0.0	93	149358	4.79	
97 Bromobenzene	156	8.801	8.795	0.006	88	36546	4.81	
98 1,1,2,2-Tetrachloroethane	83	8.892	8.893	-0.001	85	32394	4.69	
99 1,2,3-Trichloropropane	110	8.911	8.911	0.0	63	9694	4.98	
100 N-Propylbenzene	91	8.917	8.917	0.0	88	182052	4.75	
101 trans-1,4-Dichloro-2-butene	53	8.941	8.941	0.0	62	26251	18.0	
102 2-Chlorotoluene	126	9.008	9.008	0.0	94	34853	4.84	
104 1,3,5-Trimethylbenzene	105	9.118	9.118	0.0	88	124292	4.85	
105 4-Chlorotoluene	91	9.130	9.130	0.0	98	126869	4.83	
106 tert-Butylbenzene	134	9.452	9.452	0.0	85	27571	4.84	
108 1,2,4-Trimethylbenzene	105	9.513	9.513	0.0	89	124677	4.80	
109 sec-Butylbenzene	105	9.683	9.683	0.0	89	159796	4.74	
110 1,3-Dichlorobenzene	146	9.805	9.805	0.0	95	72482	4.79	
111 4-Isopropyltoluene	119	9.842	9.842	0.0	76	129608	4.73	
113 1,4-Dichlorobenzene	146	9.896	9.896	0.0	91	75800	4.77	
115 n-Butylbenzene	91	10.249	10.249	0.0	93	124591	4.71	
116 1,2-Dichlorobenzene	146	10.261	10.261	0.0	91	69892	4.88	
117 1,2-Dibromo-3-Chloropropane	75	11.028	11.028	0.0	11	3382	3.28	
119 1,2,4-Trichlorobenzene	180	11.721	11.721	0.0	86	45321	4.68	
120 Hexachlorobutadiene	225	11.855	11.855	0.0	90	26530	4.78	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	11.928	11.928	0.0	93	81454	4.28	
122 1,2,3-Trichlorobenzene	180	12.141	12.141	0.0	91	37627	4.60	
S 125 Total BTEX	1				0		28.7	
S 126 Xylenes, Total	1				0		14.3	
S 123 1,3-Dichloropropene, Total	1				0		7.69	
S 124 1,2-Dichloroethene, Total	1				0		9.61	

Report Date: 18-May-2011 18:40:41

Data File:

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Injection Date: 18-May-2011 13:51:30

Chrom Revision: 1.2 15-May-2011 04:23:02

Client ID:

16584

Limit Group: MV - 8260B ICAL

Lims Batch ID:

LH

Instrument ID: HP5973N

Operator ID:

ZB-624

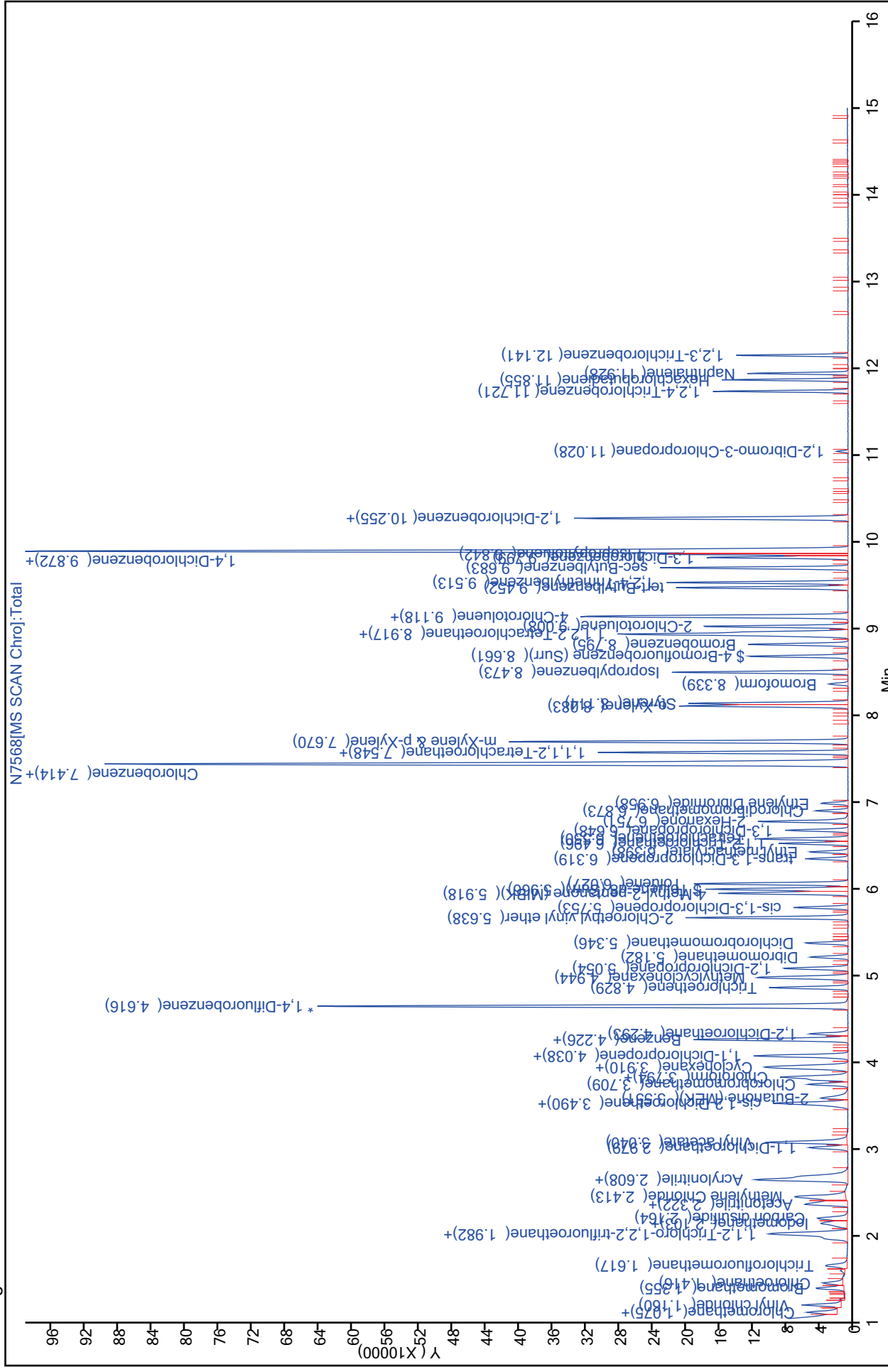
Lims Sample ID: 3

Column Type:

0.25 mm

Column Dia:

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20110518-3245.b\N7569.D
 Lims ID: STD-3 Client ID:
 Inject. Date: 18-May-2011 14:14:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: STD-3
 Misc. Info.: 480-0003245-004
 Operator: LH Instrument ID: HP5973N
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 16584 Lims Sample ID: 4
 Sublist: chrom-N-8260*sub7
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20110518-3245.b\N-8260.m
 Last Update: 18-May-2011 18:40:35 Calib Date: 18-May-2011 16:42:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20110518-3245.b\N7574.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

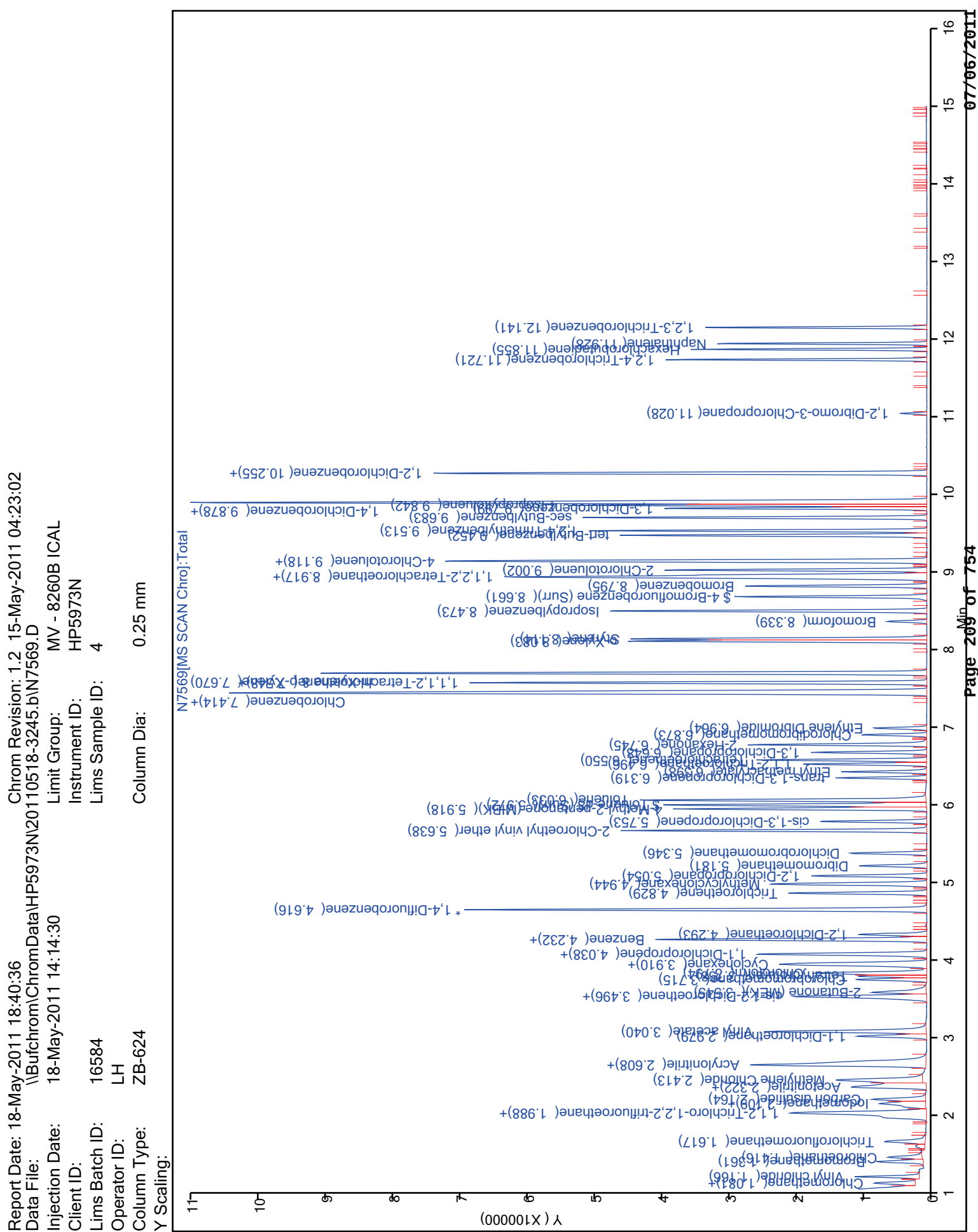
First Level Reviewer: cwiklinc

Date: 18-May-2011 18:40:35

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.616	4.616	0.0	90	536005	25.0	
* 2 Chlorobenzene-d5	117	7.414	7.414	0.0	81	474124	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.878	9.872	0.006	83	267626	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.226	4.226	0.0	0	68053	9.85	
\$ 6 Toluene-d8 (Surr)	98	5.966	5.966	0.0	71	229436	9.40	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.661	8.661	0.0	87	74529	9.72	
11 Dichlorodifluoromethane	85	1.008	1.002	0.006	68	61221	10.3	
13 Chloromethane	50	1.081	1.087	-0.006	99	65199	9.71	
14 Vinyl chloride	62	1.166	1.160	0.006	83	73091	9.90	
15 Bromomethane	94	1.361	1.361	0.0	88	46067	10.1	
16 Chloroethane	64	1.416	1.416	0.0	88	42235	10.1	
18 Trichlorofluoromethane	101	1.617	1.610	0.007	82	69164	10.1	
20 Acrolein	56	1.927	1.927	0.0	89	92623	196.1	
22 1,1-Dichloroethene	96	1.988	1.988	0.0	89	64973	9.99	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	1.994	1.994	0.0	73	49215	9.98	
23 Acetone	43	2.073	2.061	0.012	88	69770	50.0	
24 Iodomethane	142	2.109	2.109	0.0	95	69177	9.96	
25 Carbon disulfide	76	2.164	2.164	0.0	96	147694	9.86	
28 Methyl acetate	43	2.328	2.322	0.006	69	53005	10.1	
29 Acetonitrile	40	2.322	2.322	0.0	98	122861	401.7	
30 Methylene Chloride	84	2.413	2.420	-0.007	75	69658	10.1	
33 trans-1,2-Dichloroethene	96	2.608	2.608	0.0	97	66669	10.1	
32 Methyl tert-butyl ether	73	2.614	2.608	0.006	87	174300	9.85	
34 Acrylonitrile	53	2.651	2.645	0.006	97	85893	50.1	
36 1,1-Dichloroethane	63	2.979	2.979	0.0	89	110682	9.95	
39 Vinyl acetate	43	3.040	3.040	0.0	97	375958	48.3	
42 2,2-Dichloropropane	77	3.478	3.472	0.006	57	48027	8.15	
43 cis-1,2-Dichloroethene	96	3.496	3.496	0.0	80	71051	9.98	
44 2-Butanone (MEK)	43	3.545	3.539	0.006	97	113226	50.1	
47 Chlorobromomethane	128	3.715	3.709	0.006	86	31168	10.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	3.758	3.746	0.012	82	73838	51.6	
50 Chloroform	83	3.801	3.794	0.007	88	115091	9.94	
51 1,1,1-Trichloroethane	97	3.904	3.904	0.0	90	66965	9.37	
52 Cyclohexane	56	3.916	3.916	0.0	86	88826	10.0	
53 Carbon tetrachloride	117	4.038	4.038	0.0	70	57491	9.19	
54 1,1-Dichloropropene	75	4.044	4.044	0.0	96	92466	9.79	
55 Benzene	78	4.232	4.232	0.0	96	283469	9.89	
57 1,2-Dichloroethane	62	4.293	4.293	0.0	95	77477	9.87	
60 Trichloroethene	95	4.829	4.829	0.0	94	66320	9.99	
62 Methylcyclohexane	83	4.944	4.950	-0.006	84	111364	10.6	
63 1,2-Dichloropropane	63	5.054	5.054	0.0	92	61719	9.68	
64 Dibromomethane	93	5.181	5.182	-0.001	86	35486	10.0	
67 Dichlorobromomethane	83	5.346	5.346	0.0	91	73553	9.48	
69 2-Chloroethyl vinyl ether	63	5.638	5.638	0.0	91	183815	49.5	
71 cis-1,3-Dichloropropene	75	5.753	5.753	0.0	83	89817	9.50	
72 4-Methyl-2-pentanone (MIBK)	43	5.918	5.912	0.006	96	232698	50.5	
73 Toluene	92	6.033	6.033	0.0	91	167251	9.53	
75 trans-1,3-Dichloropropene	75	6.319	6.319	0.0	90	67990	8.01	
77 Ethyl methacrylate	69	6.398	6.398	0.0	83	64815	7.86	
78 1,1,2-Trichloroethane	83	6.496	6.495	0.001	89	47008	10.0	
79 Tetrachloroethene	166	6.550	6.550	0.0	96	70263	9.83	
80 1,3-Dichloropropane	76	6.648	6.648	0.0	83	99156	10.0	
82 2-Hexanone	43	6.745	6.745	0.0	94	156765	49.4	
83 Chlorodibromomethane	129	6.873	6.873	0.0	81	49216	9.70	
84 Ethylene Dibromide	107	6.964	6.958	0.006	94	51695	10.1	
85 Chlorobenzene	112	7.445	7.439	0.006	85	184893	9.91	
88 Ethylbenzene	91	7.548	7.548	0.0	98	327661	10.1	
89 1,1,1,2-Tetrachloroethane	131	7.548	7.548	0.0	83	50216	9.73	
90 m-Xylene & p-Xylene	106	7.670	7.676	-0.006	99	251762	19.8	
91 o-Xylene	106	8.083	8.083	0.0	92	120699	10.0	
92 Styrene	104	8.114	8.114	0.0	89	209543	10.1	
93 Bromoform	173	8.339	8.339	0.0	90	26184	7.49	
95 Isopropylbenzene	105	8.473	8.473	0.0	95	311297	9.81	
97 Bromobenzene	156	8.795	8.795	0.0	90	77515	10.0	
98 1,1,2,2-Tetrachloroethane	83	8.892	8.893	-0.001	93	68616	9.76	
99 1,2,3-Trichloropropane	110	8.911	8.911	0.0	73	20455	10.3	
100 N-Propylbenzene	91	8.917	8.917	0.0	97	386241	9.90	
101 trans-1,4-Dichloro-2-butene	53	8.941	8.941	0.0	72	60472	40.9	
102 2-Chlorotoluene	126	9.008	9.008	0.0	95	71717	9.79	
104 1,3,5-Trimethylbenzene	105	9.118	9.118	0.0	89	259368	9.94	
105 4-Chlorotoluene	91	9.130	9.130	0.0	99	264175	9.89	
106 tert-Butylbenzene	134	9.452	9.452	0.0	90	55952	9.65	
108 1,2,4-Trimethylbenzene	105	9.513	9.513	0.0	90	265174	10.0	
109 sec-Butylbenzene	105	9.683	9.683	0.0	92	340336	9.92	
110 1,3-Dichlorobenzene	146	9.805	9.805	0.0	96	150760	9.78	
111 4-Isopropyltoluene	119	9.842	9.842	0.0	88	277032	9.93	
113 1,4-Dichlorobenzene	146	9.896	9.896	0.0	77	157261	9.73	
115 n-Butylbenzene	91	10.249	10.249	0.0	94	268235	9.97	
116 1,2-Dichlorobenzene	146	10.267	10.261	0.006	92	143616	9.85	
117 1,2-Dibromo-3-Chloropropane	75	11.028	11.028	0.0	48	8563	8.15	
119 1,2,4-Trichlorobenzene	180	11.721	11.721	0.0	92	97917	9.95	
120 Hexachlorobutadiene	225	11.855	11.855	0.0	94	55442	9.81	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	11.928	11.928	0.0	96	193768	10.0	
122 1,2,3-Trichlorobenzene	180	12.141	12.141	0.0	94	84742	10.2	
S 125 Total BTEX	1				0		59.3	
S 126 Xylenes, Total	1				0		29.8	
S 123 1,3-Dichloropropene, Total	1				0		17.5	
S 124 1,2-Dichloroethene, Total	1				0		20.1	



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20110518-3245.b\N7570.D
 Lims ID: STD-4 Client ID:
 Inject. Date: 18-May-2011 14:37:30 Dil. Factor: 1.0000
 Sample Type: ICIS Calib Level: 4
 Sample ID: STD-4
 Misc. Info.: 480-0003245-005
 Operator: LH Instrument ID: HP5973N
 Vol. Injected: 1.0000 ALS Bottle#: 5
 Lims Batch ID: 16584 Lims Sample ID: 5
 Sublist: chrom-N-8260*sub7
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20110518-3245.b\N-8260.m
 Last Update: 18-May-2011 18:40:30 Calib Date: 18-May-2011 16:42:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20110518-3245.b\N7574.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

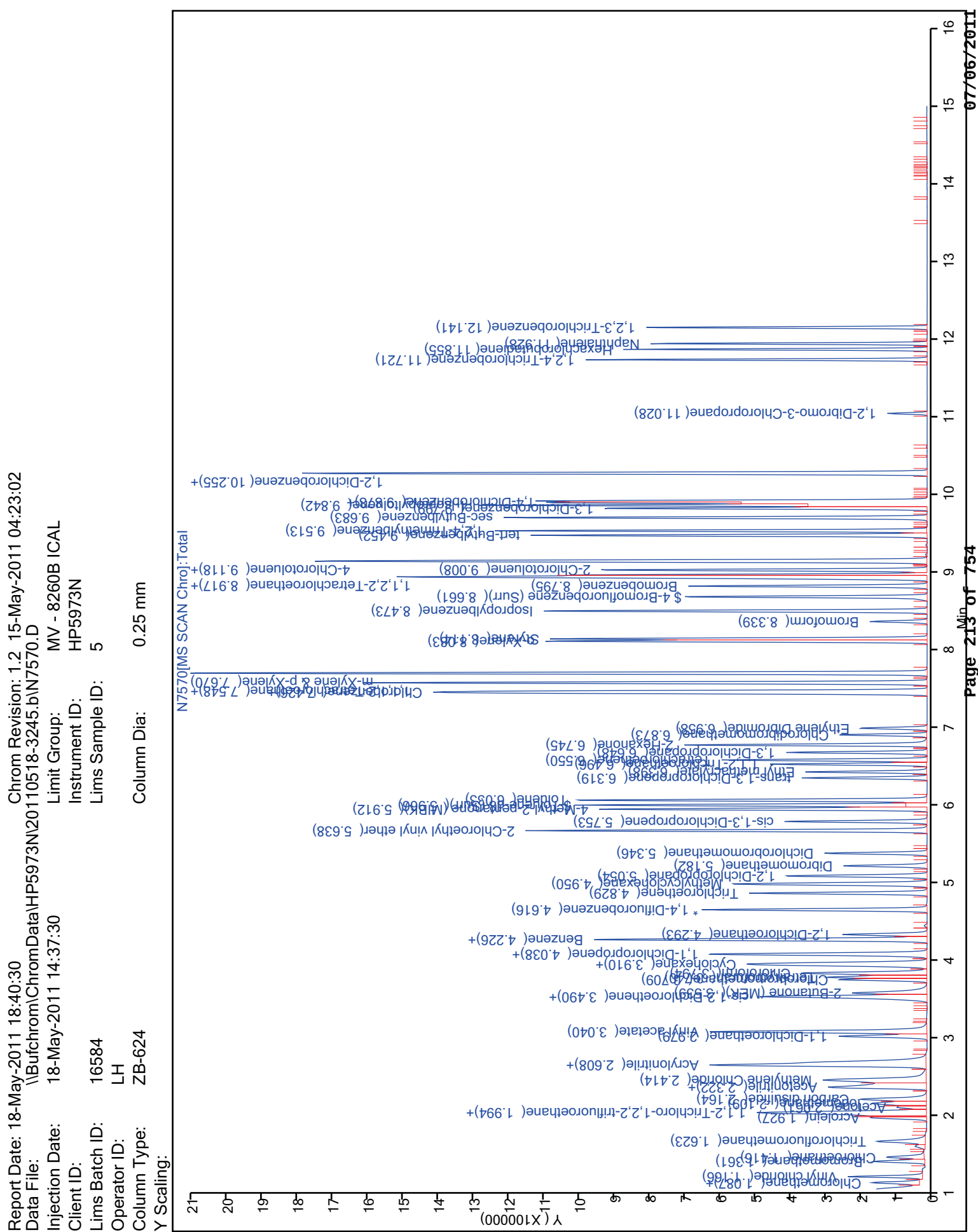
First Level Reviewer: cwiklinc

Date: 18-May-2011 18:40:30

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.616	4.616	0.0	91	541207	25.0	
* 2 Chlorobenzene-d5	117	7.414	7.414	0.0	63	485049	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.872	9.872	0.0	52	272009	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.226	4.226	0.0	0	176421	25.3	
\$ 6 Toluene-d8 (Surr)	98	5.966	5.966	0.0	81	657483	26.3	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.661	8.661	0.0	89	196142	25.0	
11 Dichlorodifluoromethane	85	1.008	1.008	0.0	86	157924	26.3	
13 Chloromethane	50	1.087	1.087	0.0	100	165022	24.3	
14 Vinyl chloride	62	1.166	1.166	0.0	83	183506	24.6	
15 Bromomethane	94	1.361	1.361	0.0	90	108204	23.5	
16 Chloroethane	64	1.416	1.416	0.0	98	102140	24.1	
18 Trichlorofluoromethane	101	1.623	1.623	0.0	84	179484	26.1	
20 Acrolein	56	1.927	1.927	0.0	90	243870	511.4	
22 1,1-Dichloroethene	96	1.988	1.988	0.0	97	158899	24.2	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	1.994	1.994	0.0	86	126510	25.4	
23 Acetone	43	2.061	2.061	0.0	93	180881	128.5	
24 Iodomethane	142	2.109	2.109	0.0	97	175481	25.0	
25 Carbon disulfide	76	2.164	2.164	0.0	97	385238	25.5	
28 Methyl acetate	43	2.322	2.322	0.0	85	131242	24.8	
29 Acetonitrile	40	2.322	2.322	0.0	100	316990	1026.5	
30 Methylene Chloride	84	2.420	2.420	0.0	72	170095	24.3	
33 trans-1,2-Dichloroethene	96	2.608	2.608	0.0	94	163448	24.5	
32 Methyl tert-butyl ether	73	2.608	2.608	0.0	87	445017	24.9	
34 Acrylonitrile	53	2.645	2.645	0.0	98	225143	130.2	
36 1,1-Dichloroethane	63	2.979	2.979	0.0	96	275714	24.6	
39 Vinyl acetate	43	3.040	3.040	0.0	97	1042504	132.7	
42 2,2-Dichloropropane	77	3.478	3.478	0.0	67	135130	22.7	
43 cis-1,2-Dichloroethene	96	3.496	3.496	0.0	74	178820	24.9	
44 2-Butanone (MEK)	43	3.539	3.539	0.0	95	286199	125.4	
47 Chlorobromomethane	128	3.709	3.709	0.0	88	78966	25.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	3.746	3.746	0.0	82	193304	133.8	
50 Chloroform	83	3.794	3.794	0.0	80	282912	24.2	
51 1,1,1-Trichloroethane	97	3.904	3.904	0.0	92	182978	25.4	
52 Cyclohexane	56	3.916	3.916	0.0	83	223483	24.9	
53 Carbon tetrachloride	117	4.038	4.038	0.0	82	159360	25.2	
54 1,1-Dichloropropene	75	4.044	4.044	0.0	98	235772	24.7	
55 Benzene	78	4.232	4.232	0.0	96	709453	24.5	
57 1,2-Dichloroethane	62	4.293	4.293	0.0	90	193783	24.4	
60 Trichloroethene	95	4.829	4.829	0.0	97	163635	24.4	
62 Methylcyclohexane	83	4.950	4.950	0.0	85	283781	26.7	
63 1,2-Dichloropropane	63	5.054	5.054	0.0	96	158454	24.6	
64 Dibromomethane	93	5.182	5.182	0.0	86	90446	25.3	
67 Dichlorobromomethane	83	5.346	5.346	0.0	93	198119	25.3	
69 2-Chloroethyl vinyl ether	63	5.638	5.638	0.0	92	492258	131.2	
71 cis-1,3-Dichloropropene	75	5.753	5.753	0.0	90	242156	25.4	
72 4-Methyl-2-pentanone (MIBK)	43	5.912	5.912	0.0	96	615098	130.5	
73 Toluene	92	6.033	6.033	0.0	92	445418	24.8	
75 trans-1,3-Dichloropropene	75	6.319	6.319	0.0	91	193984	22.3	
77 Ethyl methacrylate	69	6.392	6.392	0.0	86	196184	23.3	
78 1,1,2-Trichloroethane	83	6.496	6.496	0.0	92	117655	24.6	
79 Tetrachloroethene	166	6.550	6.550	0.0	97	177158	24.2	
80 1,3-Dichloropropane	76	6.648	6.648	0.0	84	249596	24.7	
82 2-Hexanone	43	6.745	6.745	0.0	94	431768	133.0	
83 Chlorodibromomethane	129	6.873	6.873	0.0	86	132534	25.5	
84 Ethylene Dibromide	107	6.958	6.958	0.0	98	132628	25.3	
85 Chlorobenzene	112	7.439	7.439	0.0	87	465598	24.4	
88 Ethylbenzene	91	7.548	7.548	0.0	98	822507	24.7	
89 1,1,1,2-Tetrachloroethane	131	7.548	7.548	0.0	86	134855	25.5	
90 m-Xylene & p-Xylene	106	7.676	7.676	0.0	99	638494	49.0	
91 o-Xylene	106	8.083	8.083	0.0	80	304531	24.7	
92 Styrene	104	8.114	8.114	0.0	90	538238	25.4	
93 Bromoform	173	8.339	8.339	0.0	95	74717	20.9	
95 Isopropylbenzene	105	8.473	8.473	0.0	95	793656	24.6	
97 Bromobenzene	156	8.795	8.795	0.0	92	193255	24.6	
98 1,1,2,2-Tetrachloroethane	83	8.893	8.893	0.0	93	178913	25.0	
99 1,2,3-Trichloropropane	110	8.911	8.911	0.0	74	51546	25.6	
100 N-Propylbenzene	91	8.917	8.917	0.0	87	990584	25.0	
101 trans-1,4-Dichloro-2-butene	53	8.941	8.941	0.0	81	178658	118.8	
102 2-Chlorotoluene	126	9.008	9.008	0.0	96	184390	24.8	
104 1,3,5-Trimethylbenzene	105	9.118	9.118	0.0	89	664395	25.0	
105 4-Chlorotoluene	91	9.130	9.130	0.0	99	666800	24.6	
106 tert-Butylbenzene	134	9.452	9.452	0.0	89	145247	24.6	
108 1,2,4-Trimethylbenzene	105	9.513	9.513	0.0	91	672664	25.0	
109 sec-Butylbenzene	105	9.683	9.683	0.0	93	864523	24.8	
110 1,3-Dichlorobenzene	146	9.805	9.805	0.0	96	384854	24.6	
111 4-Isopropyltoluene	119	9.842	9.842	0.0	77	722330	25.5	
113 1,4-Dichlorobenzene	146	9.896	9.896	0.0	83	396035	24.1	
115 n-Butylbenzene	91	10.249	10.249	0.0	94	690643	25.3	
116 1,2-Dichlorobenzene	146	10.261	10.261	0.0	92	361810	24.4	
117 1,2-Dibromo-3-Chloropropane	75	11.028	11.028	0.0	68	25140	23.5	
119 1,2,4-Trichlorobenzene	180	11.721	11.721	0.0	93	258033	25.8	
120 Hexachlorobutadiene	225	11.855	11.855	0.0	95	142716	24.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	11.928	11.928	0.0	97	526973	26.8	
122 1,2,3-Trichlorobenzene	180	12.141	12.141	0.0	93	222342	26.3	
S 125 Total BTEX	1				0		147.7	
S 126 Xylenes, Total	1				0		73.7	
S 123 1,3-Dichloropropene, Total	1				0		47.7	
S 124 1,2-Dichloroethene, Total	1				0		49.4	



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20110518-3245.b\N7571.D
 Lims ID: STD-5 Client ID:
 Inject. Date: 18-May-2011 15:00:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: STD-5
 Misc. Info.: 480-0003245-006
 Operator: LH Instrument ID: HP5973N
 Vol. Injected: 1.0000 ALS Bottle#: 6
 Lims Batch ID: 16584 Lims Sample ID: 6
 Sublist: chrom-N-8260*sub7
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20110518-3245.b\N-8260.m
 Last Update: 18-May-2011 18:40:26 Calib Date: 18-May-2011 16:42:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20110518-3245.b\N7574.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

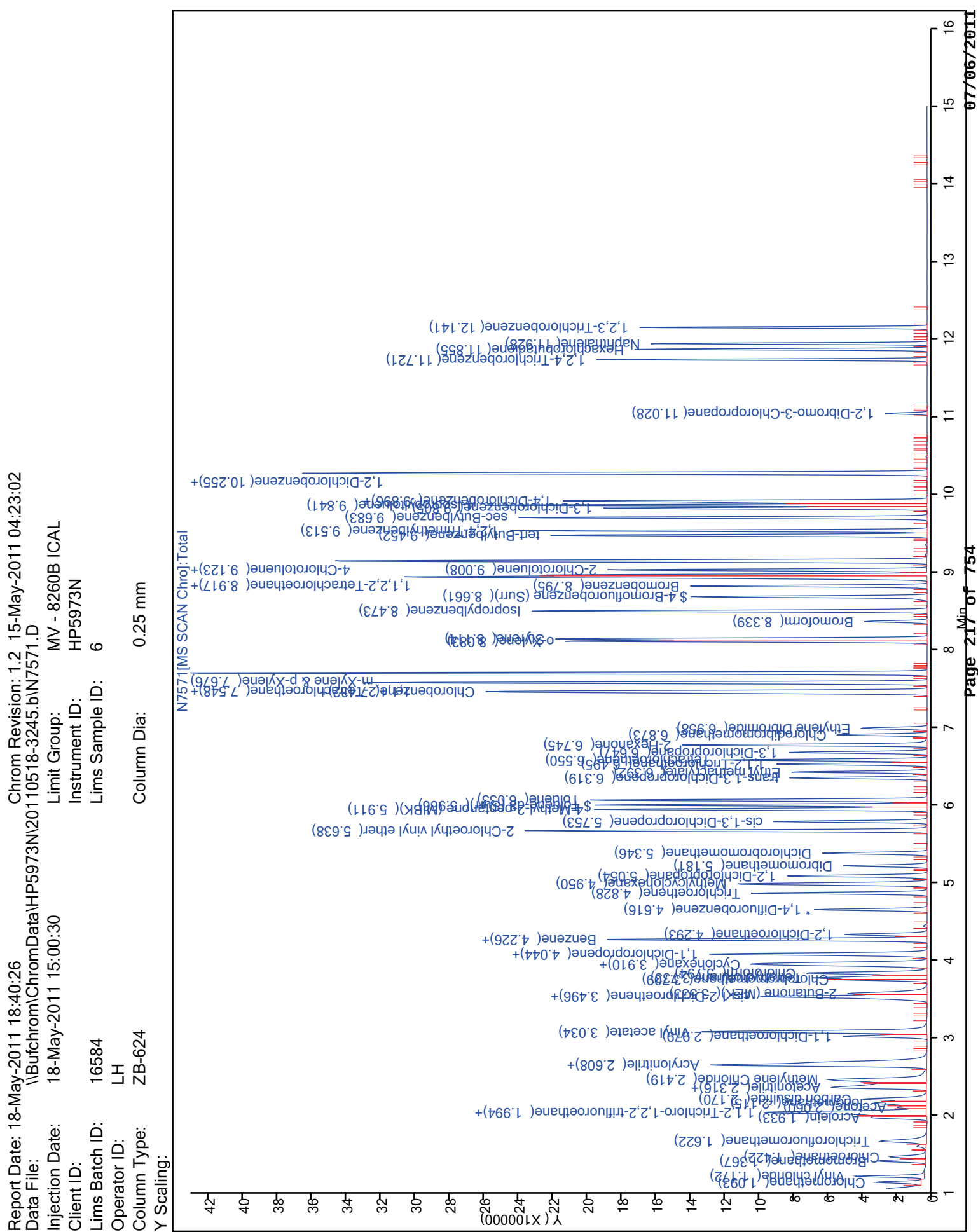
First Level Reviewer: cwiklinc

Date: 18-May-2011 18:40:26

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.616	4.616	0.0	91	545572	25.0	
* 2 Chlorobenzene-d5	117	7.414	7.414	0.0	46	487766	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.878	9.872	0.006	70	276342	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.226	4.226	0.0	0	349179	49.7	
\$ 6 Toluene-d8 (Surr)	98	5.966	5.966	0.0	81	1267886	50.5	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.661	8.661	0.0	89	389599	49.4	
11 Dichlorodifluoromethane	85	1.008	1.002	0.006	96	309082	51.1	
13 Chloromethane	50	1.093	1.087	0.006	92	320706	46.9	
14 Vinyl chloride	62	1.172	1.160	0.012	84	364030	48.4	
15 Bromomethane	94	1.367	1.361	0.006	90	216283	46.7	
16 Chloroethane	64	1.422	1.416	0.006	94	206878	48.4	
18 Trichlorofluoromethane	101	1.622	1.610	0.012	86	363492	52.4	
20 Acrolein	56	1.927	1.927	0.0	93	498329	1036.6	
22 1,1-Dichloroethene	96	1.994	1.988	0.006	89	316647	47.8	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.000	1.994	0.006	77	248092	49.4	
23 Acetone	43	2.060	2.061	-0.001	94	359751	253.5	
24 Iodomethane	142	2.115	2.109	0.006	98	345141	48.8	
25 Carbon disulfide	76	2.170	2.164	0.006	98	768655	50.4	
28 Methyl acetate	43	2.316	2.322	-0.006	76	274188	51.4	
29 Acetonitrile	40	2.322	2.322	0.0	99	635810	2042.5	
30 Methylene Chloride	84	2.419	2.419	-0.001	77	338844	48.1	
33 trans-1,2-Dichloroethene	96	2.608	2.608	0.0	69	330988	49.3	
32 Methyl tert-butyl ether	73	2.608	2.608	0.0	87	911739	50.6	
34 Acrylonitrile	53	2.644	2.645	-0.001	97	460494	264.1	
36 1,1-Dichloroethane	63	2.979	2.979	0.0	85	548494	48.5	
39 Vinyl acetate	43	3.034	3.040	-0.006	97	2219324	280.1	
42 2,2-Dichloropropane	77	3.478	3.472	0.006	64	302356	50.4	
43 cis-1,2-Dichloroethene	96	3.496	3.496	0.0	81	355357	49.0	
44 2-Butanone (MEK)	43	3.533	3.539	-0.006	95	592278	257.5	
47 Chlorobromomethane	128	3.715	3.709	0.006	85	160010	50.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	3.740	3.746	-0.006	81	391477	268.9	
50 Chloroform	83	3.800	3.794	0.006	84	557512	47.3	
51 1,1,1-Trichloroethane	97	3.904	3.904	0.0	91	381551	52.4	
52 Cyclohexane	56	3.922	3.916	0.006	85	446155	49.3	
53 Carbon tetrachloride	117	4.038	4.038	0.0	89	343779	54.0	
54 1,1-Dichloropropene	75	4.044	4.044	0.0	99	474438	49.4	
55 Benzene	78	4.232	4.232	0.0	96	1410946	48.4	
57 1,2-Dichloroethane	62	4.293	4.293	0.0	90	385325	48.2	
60 Trichloroethene	95	4.828	4.829	-0.001	97	333344	49.3	
62 Methylcyclohexane	83	4.950	4.950	0.0	85	566319	52.8	
63 1,2-Dichloropropane	63	5.054	5.054	0.0	96	317276	48.9	
64 Dibromomethane	93	5.181	5.181	-0.001	87	180233	50.0	
67 Dichlorobromomethane	83	5.346	5.346	0.0	94	409803	51.9	
69 2-Chloroethyl vinyl ether	63	5.638	5.638	0.0	92	997169	263.6	
71 cis-1,3-Dichloropropene	75	5.753	5.753	0.0	92	517187	53.8	
72 4-Methyl-2-pentanone (MIBK)	43	5.911	5.911	-0.001	95	1246414	262.9	
73 Toluene	92	6.033	6.033	0.0	93	882519	48.9	
75 trans-1,3-Dichloropropene	75	6.319	6.319	0.0	91	430039	49.2	
77 Ethyl methacrylate	69	6.392	6.398	-0.006	86	430099	50.7	
78 1,1,2-Trichloroethane	83	6.495	6.495	0.0	89	238768	49.6	
79 Tetrachloroethene	166	6.550	6.550	0.0	94	351445	47.8	
80 1,3-Dichloropropane	76	6.647	6.648	-0.001	83	504470	49.7	
82 2-Hexanone	43	6.745	6.745	0.0	93	890932	272.9	
83 Chlorodibromomethane	129	6.879	6.873	0.006	85	286901	54.9	
84 Ethylene Dibromide	107	6.958	6.958	0.0	97	273161	51.8	
85 Chlorobenzene	112	7.444	7.438	0.005	93	919013	47.9	
88 Ethylbenzene	91	7.548	7.548	0.0	98	1641186	49.0	
89 1,1,1,2-Tetrachloroethane	131	7.548	7.548	0.0	89	286413	53.9	
90 m-Xylene & p-Xylene	106	7.676	7.676	0.0	100	1277629	97.5	
91 o-Xylene	106	8.083	8.083	0.0	79	613084	49.4	
92 Styrene	104	8.114	8.114	0.0	89	1082498	50.8	
93 Bromoform	173	8.339	8.339	0.0	93	170287	47.3	
95 Isopropylbenzene	105	8.473	8.478	0.0	95	1596197	48.7	
97 Bromobenzene	156	8.801	8.800	0.006	92	387941	48.6	
98 1,1,2,2-Tetrachloroethane	83	8.892	8.898	-0.001	90	368802	50.8	
99 1,2,3-Trichloropropane	110	8.911	8.916	0.0	83	104536	51.1	
100 N-Propylbenzene	91	8.917	8.922	0.0	88	1981762	49.2	
101 trans-1,4-Dichloro-2-butene	53	8.941	8.947	0.0	89	383778	251.1	
102 2-Chlorotoluene	126	9.008	9.013	0.0	96	373644	49.4	
104 1,3,5-Trimethylbenzene	105	9.117	9.123	-0.001	90	1335506	49.6	
105 4-Chlorotoluene	91	9.130	9.135	0.0	99	1337342	48.5	
106 tert-Butylbenzene	134	9.452	9.458	0.0	85	291046	48.6	
108 1,2,4-Trimethylbenzene	105	9.513	9.519	0.0	91	1351000	49.5	
109 sec-Butylbenzene	105	9.683	9.689	0.0	94	1733447	48.9	
110 1,3-Dichlorobenzene	146	9.805	9.811	0.0	96	772524	48.6	
111 4-Isopropyltoluene	119	9.841	9.847	-0.001	77	1427958	49.6	
113 1,4-Dichlorobenzene	146	9.896	9.902	0.0	83	792599	47.5	
115 n-Butylbenzene	91	10.249	10.255	0.0	94	1393440	50.1	
116 1,2-Dichlorobenzene	146	10.261	10.267	0.0	93	733994	48.7	
117 1,2-Dibromo-3-Chloropropane	75	11.028	11.034	0.0	74	54513	50.3	
119 1,2,4-Trichlorobenzene	180	11.721	11.728	0.0	93	524665	51.6	
120 Hexachlorobutadiene	225	11.855	11.862	0.0	93	285170	48.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	11.928	11.935	0.0	97	1101773	55.1	
122 1,2,3-Trichlorobenzene	180	12.141	12.148	0.0	93	453302	52.8	
S 125 Total BTEX	1				0		293.2	
S 126 Xylenes, Total	1				0		147.0	
S 123 1,3-Dichloropropene, Total	1				0		103.0	
S 124 1,2-Dichloroethene, Total	1				0		98.3	



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20110518-3245.b\N7572.D
 Lims ID: STD-6 Client ID:
 Inject. Date: 18-May-2011 15:23:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: STD-6
 Misc. Info.: 480-0003245-007
 Operator: LH Instrument ID: HP5973N
 Vol. Injected: 1.0000 ALS Bottle#: 7
 Lims Batch ID: 16584 Lims Sample ID: 7
 Sublist: chrom-N-8260*sub7
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20110518-3245.b\N-8260.m
 Last Update: 18-May-2011 18:40:22 Calib Date: 18-May-2011 16:42:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20110518-3245.b\N7574.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: cwiklinc

Date: 18-May-2011 18:40:22

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.616	4.616	0.0	91	569569	25.0	
* 2 Chlorobenzene-d5	117	7.414	7.414	0.0	59	513869	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.878	9.872	0.006	67	289056	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.220	4.226	-0.006	0	690779	94.1	
\$ 6 Toluene-d8 (Surr)	98	5.966	5.966	0.0	81	2490042	94.1	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.661	8.661	0.0	90	786309	94.6	
11 Dichlorodifluoromethane	85	1.002	1.002	0.0	86	598199	94.7	
13 Chloromethane	50	1.093	1.087	0.006	95	632020	88.6	
14 Vinyl chloride	62	1.166	1.160	0.006	83	701502	89.4	
15 Bromomethane	94	1.367	1.361	0.006	88	432240	89.3	
16 Chloroethane	64	1.422	1.416	0.006	98	438202	98.2	
18 Trichlorofluoromethane	101	1.622	1.610	0.012	86	714583	98.7	
20 Acrolein	56	1.921	1.927	-0.006	93	1026501	2045.4	
22 1,1-Dichloroethene	96	1.994	1.988	0.006	85	632645	91.5	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	1.994	1.994	0.0	57	472840	90.2	
23 Acetone	43	2.054	2.061	-0.007	94	736866	497.4	
24 Iodomethane	142	2.115	2.109	0.006	98	705477	95.6	
25 Carbon disulfide	76	2.164	2.164	0.0	98	1510221	94.9	
28 Methyl acetate	43	2.310	2.322	-0.012	78	562682	101.1	
29 Acetonitrile	40	2.310	2.322	-0.012	99	1287525	3961.8	
30 Methylene Chloride	84	2.413	2.419	-0.007	76	705766	95.9	
33 trans-1,2-Dichloroethene	96	2.602	2.608	-0.006	92	683912	97.5	
32 Methyl tert-butyl ether	73	2.602	2.608	-0.006	85	1930205	102.6	
34 Acrylonitrile	53	2.638	2.645	-0.007	97	950062	522.0	
36 1,1-Dichloroethane	63	2.979	2.979	0.0	96	1151568	97.5	
39 Vinyl acetate	43	3.034	3.040	-0.006	97	4584966	554.4	
42 2,2-Dichloropropane	77	3.478	3.472	0.006	84	661896	105.7	
43 cis-1,2-Dichloroethene	96	3.490	3.496	-0.006	81	747569	98.8	
44 2-Butanone (MEK)	43	3.527	3.539	-0.012	84	1236602	515.0	
47 Chlorobromomethane	128	3.709	3.709	0.0	89	338864	102.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	3.727	3.746	-0.019	81	816298	537.1	
50 Chloroform	83	3.794	3.794	0.0	88	1174425	95.5	
51 1,1,1-Trichloroethane	97	3.898	3.904	-0.006	91	826096	108.8	
52 Cyclohexane	56	3.916	3.916	0.0	86	894175	94.7	
53 Carbon tetrachloride	117	4.032	4.038	-0.006	89	759414	114.3	
54 1,1-Dichloropropene	75	4.038	4.044	-0.006	98	981475	97.8	
55 Benzene	78	4.226	4.232	-0.006	96	2898489	95.2	
57 1,2-Dichloroethane	62	4.293	4.293	0.0	96	798496	95.7	
60 Trichloroethene	95	4.829	4.829	-0.001	97	692979	98.2	
62 Methylcyclohexane	83	4.944	4.950	-0.006	85	1142909	102.2	
63 1,2-Dichloropropane	63	5.048	5.054	-0.006	96	673844	99.5	
64 Dibromomethane	93	5.181	5.181	-0.001	90	386418	102.6	
67 Dichlorobromomethane	83	5.346	5.346	0.0	94	883662	107.2	
69 2-Chloroethyl vinyl ether	63	5.638	5.638	0.0	91	2087710	528.7	
71 cis-1,3-Dichloropropene	75	5.753	5.753	0.0	92	1137780	113.3	
72 4-Methyl-2-pentanone (MIBK)	43	5.911	5.911	-0.001	94	2573638	515.3	
73 Toluene	92	6.033	6.033	0.0	93	1837901	96.6	
75 trans-1,3-Dichloropropene	75	6.319	6.319	0.0	91	986610	107.2	
77 Ethyl methacrylate	69	6.392	6.398	-0.006	86	938635	105.1	
78 1,1,2-Trichloroethane	83	6.495	6.495	0.0	89	506976	100.0	
79 Tetrachloroethene	166	6.550	6.550	0.0	97	735966	95.0	
80 1,3-Dichloropropane	76	6.648	6.648	0.0	84	1067222	99.8	
82 2-Hexanone	43	6.739	6.745	-0.006	89	1839999	535.0	
83 Chlorodibromomethane	129	6.873	6.873	0.0	87	630060	114.5	
84 Ethylene Dibromide	107	6.958	6.958	0.0	98	581246	104.6	
85 Chlorobenzene	112	7.444	7.438	0.005	91	1918968	94.9	
88 Ethylbenzene	91	7.548	7.548	0.0	98	3362724	95.3	
89 1,1,1,2-Tetrachloroethane	131	7.548	7.548	0.0	89	630403	112.7	
90 m-Xylene & p-Xylene	106	7.676	7.676	0.0	98	2649522	192.0	
91 o-Xylene	106	8.089	8.083	0.006	81	1292545	98.9	
92 Styrene	104	8.114	8.114	0.0	90	2281447	101.6	
93 Bromoform	173	8.339	8.339	0.0	92	389339	102.7	
95 Isopropylbenzene	105	8.479	8.478	0.006	96	3267473	95.4	
97 Bromobenzene	156	8.801	8.800	0.006	92	824301	98.7	
98 1,1,2,2-Tetrachloroethane	83	8.892	8.898	-0.001	92	788217	103.8	
99 1,2,3-Trichloropropane	110	8.911	8.916	0.0	70	221113	103.3	
100 N-Propylbenzene	91	8.917	8.922	0.0	92	4035711	95.7	
101 trans-1,4-Dichloro-2-butene	53	8.941	8.947	0.0	86	835917	522.9	
102 2-Chlorotoluene	126	9.008	9.013	0.0	96	775202	98.0	
104 1,3,5-Trimethylbenzene	105	9.117	9.123	-0.001	90	2751522	97.6	
105 4-Chlorotoluene	91	9.130	9.135	0.0	99	2751912	95.4	
106 tert-Butylbenzene	134	9.452	9.458	0.0	85	611850	97.7	
108 1,2,4-Trimethylbenzene	105	9.513	9.519	0.0	91	2786353	97.6	
109 sec-Butylbenzene	105	9.683	9.689	0.0	94	3498156	94.4	
110 1,3-Dichlorobenzene	146	9.805	9.811	0.0	96	1597377	96.0	
111 4-Isopropyltoluene	119	9.841	9.847	-0.001	81	2929469	97.2	
113 1,4-Dichlorobenzene	146	9.902	9.902	0.006	86	1645230	94.3	
115 n-Butylbenzene	91	10.249	10.255	0.0	94	2829726	97.4	
116 1,2-Dichlorobenzene	146	10.267	10.267	0.006	96	1503177	95.4	
117 1,2-Dibromo-3-Chloropropane	75	11.028	11.034	0.0	77	119600	105.4	
119 1,2,4-Trichlorobenzene	180	11.721	11.728	0.0	91	1054086	99.1	
120 Hexachlorobutadiene	225	11.855	11.862	0.0	94	555693	91.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	11.928	11.935	0.0	97	2157880	103.2	
122 1,2,3-Trichlorobenzene	180	12.141	12.148	0.0	94	870019	96.8	
S 125 Total BTEX	1				0		578.0	
S 126 Xylenes, Total	1				0		290.9	
S 123 1,3-Dichloropropene, Total	1				0		220.5	
S 124 1,2-Dichloroethene, Total	1				0		196.4	

Chrom Revision: 1.2 15-May-2011 04:23:02

\\Bufchrom\ChromData\HP5973N\20110518-3245.b\N7572.D

Limit Group: MV - 8260B ICAL

Instrument ID:

Lims Sample ID:

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TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20110518-3245.b\N7574.D
 Lims ID: STD Client ID:
 Inject. Date: 18-May-2011 16:42:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: STD
 Misc. Info.: 480-0003245-010
 Operator: LH Instrument ID: HP5973N
 Vol. Injected: 1.0000 ALS Bottle#: 9
 Lims Batch ID: 16584 Lims Sample ID: 10
 Sublist: chrom-N-8260*sub7
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20110518-3245.b\N-8260.m
 Last Update: 18-May-2011 18:39:56 Calib Date: 18-May-2011 16:42:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20110518-3245.b\N7574.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: cwiklinc

Date: 18-May-2011 18:39:56

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.616	4.616	0.0	91	529180	25.0	
* 2 Chlorobenzene-d5	117	7.414	7.414	0.0	82	467720	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.878	9.872	0.006	94	250663	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.226	4.226	0.0	0	7782	1.14	
\$ 6 Toluene-d8 (Surr)	98	5.966	5.966	0.0	58	27522	1.14	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.661	8.661	0.0	53	9018	1.19	
11 Dichlorodifluoromethane	85	1.008	1.002	0.006	8	5537	0.9439	
13 Chloromethane	50	1.075	1.087	-0.012	72	8119	1.22	
14 Vinyl chloride	62	1.160	1.160	0.0	44	8828	1.21	
15 Bromomethane	94	1.343	1.361	-0.018	66	5504	1.22	
16 Chloroethane	64	1.409	1.416	-0.007	47	4507	1.09	
18 Trichlorofluoromethane	101	1.616	1.610	0.006	16	6374	0.9474	
20 Acrolein	56	1.933	1.927	0.006	41	9265	19.9	
22 1,1-Dichloroethene	96	1.975	1.988	-0.013	64	7587	1.18	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	1.994	1.994	0.0	9	5300	1.09	
23 Acetone	43	2.079	2.061	0.018	72	6998	5.08	
24 Iodomethane	142	2.097	2.109	-0.012	74	7386	1.08	
25 Carbon disulfide	76	2.164	2.164	0.0	78	15381	1.04	
28 Methyl acetate	43	2.328	2.322	0.006	46	5354	1.04	
29 Acetonitrile	40	2.334	2.322	0.012	97	7282	24.1	
30 Methylene Chloride	84	2.413	2.419	-0.007	55	7812	1.14	
33 trans-1,2-Dichloroethene	96	2.608	2.608	0.0	63	7085	1.09	
32 Methyl tert-butyl ether	73	2.620	2.608	0.012	63	18469	1.06	
34 Acrylonitrile	53	2.651	2.645	0.006	67	7737	4.58	
36 1,1-Dichloroethane	63	2.979	2.979	0.0	39	12353	1.13	
39 Vinyl acetate	43	3.046	3.040	0.006	89	34275	4.46	
42 2,2-Dichloropropane	77	3.460	3.472	-0.012	11	1988	0.3418	
43 cis-1,2-Dichloroethene	96	3.496	3.496	0.0	36	7562	1.08	
44 2-Butanone (MEK)	43	3.575	3.539	0.036	67	11391	5.11	
47 Chlorobromomethane	128	3.709	3.709	0.0	62	3125	1.02	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	3.788	3.746	0.042	39	5651	4.00	
50 Chloroform	83	3.794	3.794	0.0	66	13302	1.16	
51 1,1,1-Trichloroethane	97	3.898	3.904	-0.006	22	7346	1.04	
52 Cyclohexane	56	3.910	3.916	-0.006	56	9422	1.07	
53 Carbon tetrachloride	117	4.032	4.038	-0.006	41	6287	1.02	
54 1,1-Dichloropropene	75	4.044	4.044	0.0	56	10266	1.10	
55 Benzene	78	4.232	4.232	0.0	91	32166	1.14	
57 1,2-Dichloroethane	62	4.299	4.293	0.006	59	8937	1.15	
60 Trichloroethene	95	4.828	4.829	-0.001	69	7107	1.08	
62 Methylcyclohexane	83	4.938	4.950	-0.012	45	7748	0.7454	
63 1,2-Dichloropropane	63	5.054	5.054	0.0	61	6930	1.10	
64 Dibromomethane	93	5.175	5.181	-0.007	68	3597	1.03	
67 Dichlorobromomethane	83	5.346	5.346	0.0	44	8011	1.05	
69 2-Chloroethyl vinyl ether	63	5.638	5.638	0.0	68	17320	4.72	
71 cis-1,3-Dichloropropene	75	5.759	5.753	0.006	46	9053	0.9701	
72 4-Methyl-2-pentanone (MIBK)	43	5.923	5.911	0.011	85	21431	4.71	
73 Toluene	92	6.033	6.033	0.0	80	20051	1.16	
75 trans-1,3-Dichloropropene	75	6.319	6.319	0.0	45	6330	0.7560	
77 Ethyl methacrylate	69	6.398	6.398	0.0	27	5726	0.7042	
78 1,1,2-Trichloroethane	83	6.495	6.495	0.0	34	4849	1.05	
79 Tetrachloroethene	166	6.550	6.550	0.0	82	8269	1.17	
80 1,3-Dichloropropane	76	6.647	6.648	-0.001	48	10357	1.06	
82 2-Hexanone	43	6.757	6.745	0.012	82	13892	4.44	
83 Chlorodibromomethane	129	6.873	6.873	0.0	7	4650	0.9288	
84 Ethylene Dibromide	107	6.964	6.958	0.006	40	5111	1.01	
85 Chlorobenzene	112	7.438	7.438	-0.001	71	21317	1.16	
88 Ethylbenzene	91	7.548	7.548	0.0	80	35932	1.12	
89 1,1,1,2-Tetrachloroethane	131	7.542	7.548	-0.006	19	4799	0.9423	
90 m-Xylene & p-Xylene	106	7.669	7.676	-0.007	99	28741	2.29	
91 o-Xylene	106	8.083	8.083	0.0	69	12758	1.07	
92 Styrene	104	8.114	8.114	0.0	72	20478	1.00	
93 Bromoform	173	8.345	8.339	0.006	1	2058	0.5965	
95 Isopropylbenzene	105	8.479	8.478	0.006	65	34066	1.15	
97 Bromobenzene	156	8.795	8.800	0.0	62	7909	1.09	
98 1,1,2,2-Tetrachloroethane	83	8.892	8.898	-0.001	21	6804	1.03	
99 1,2,3-Trichloropropane	110	8.911	8.916	0.0	36	1656	0.8924	
100 N-Propylbenzene	91	8.917	8.922	0.0	90	41007	1.12	
101 trans-1,4-Dichloro-2-butene	53	8.941	8.947	0.0	22	4498	3.24	
102 2-Chlorotoluene	126	9.008	9.013	0.0	79	7489	1.09	
104 1,3,5-Trimethylbenzene	105	9.111	9.123	-0.007	68	26104	1.07	
105 4-Chlorotoluene	91	9.130	9.135	0.0	84	28474	1.14	
106 tert-Butylbenzene	134	9.452	9.458	0.0	69	6160	1.13	
108 1,2,4-Trimethylbenzene	105	9.513	9.519	0.0	72	26480	1.07	
109 sec-Butylbenzene	105	9.683	9.689	0.0	68	36769	1.14	
110 1,3-Dichlorobenzene	146	9.805	9.811	0.0	76	16596	1.15	
111 4-Isopropyltoluene	119	9.841	9.847	-0.001	33	28148	1.08	
113 1,4-Dichlorobenzene	146	9.896	9.902	0.0	74	18397	1.22	
115 n-Butylbenzene	91	10.249	10.255	0.0	82	27082	1.07	
116 1,2-Dichlorobenzene	146	10.261	10.267	0.0	74	15484	1.13	
117 1,2-Dibromo-3-Chloropropane	75	11.028	11.034	0.0	1	376	0.3821	
119 1,2,4-Trichlorobenzene	180	11.721	11.728	0.0	44	9348	1.01	
120 Hexachlorobutadiene	225	11.855	11.862	0.0	44	6262	1.18	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	11.934	11.935	0.006	58	16953	0.9353	
122 1,2,3-Trichlorobenzene	180	12.141	12.148	0.0	44	7694	0.9871	
S 125 Total BTEX	1				0		6.77	
S 126 Xylenes, Total	1				0		3.36	
S 123 1,3-Dichloropropene, Total	1				0		1.73	
S 124 1,2-Dichloroethene, Total	1				0		2.16	

Report Date: 18-May-2011 18:39:56

Data File:

\\Bufchrom\ChromData\HP5973N\20110518-3245.b\N7574.D

Chrom Revision: 1.2 15-May-2011 04:23:02

Injection Date:

18-May-2011 16:42:30

Limit Group:

MV - 8260B ICAL

Client ID:

16584

Instrument ID:

HP5973N

Lims Batch ID:

LH

Lims Sample ID:

10

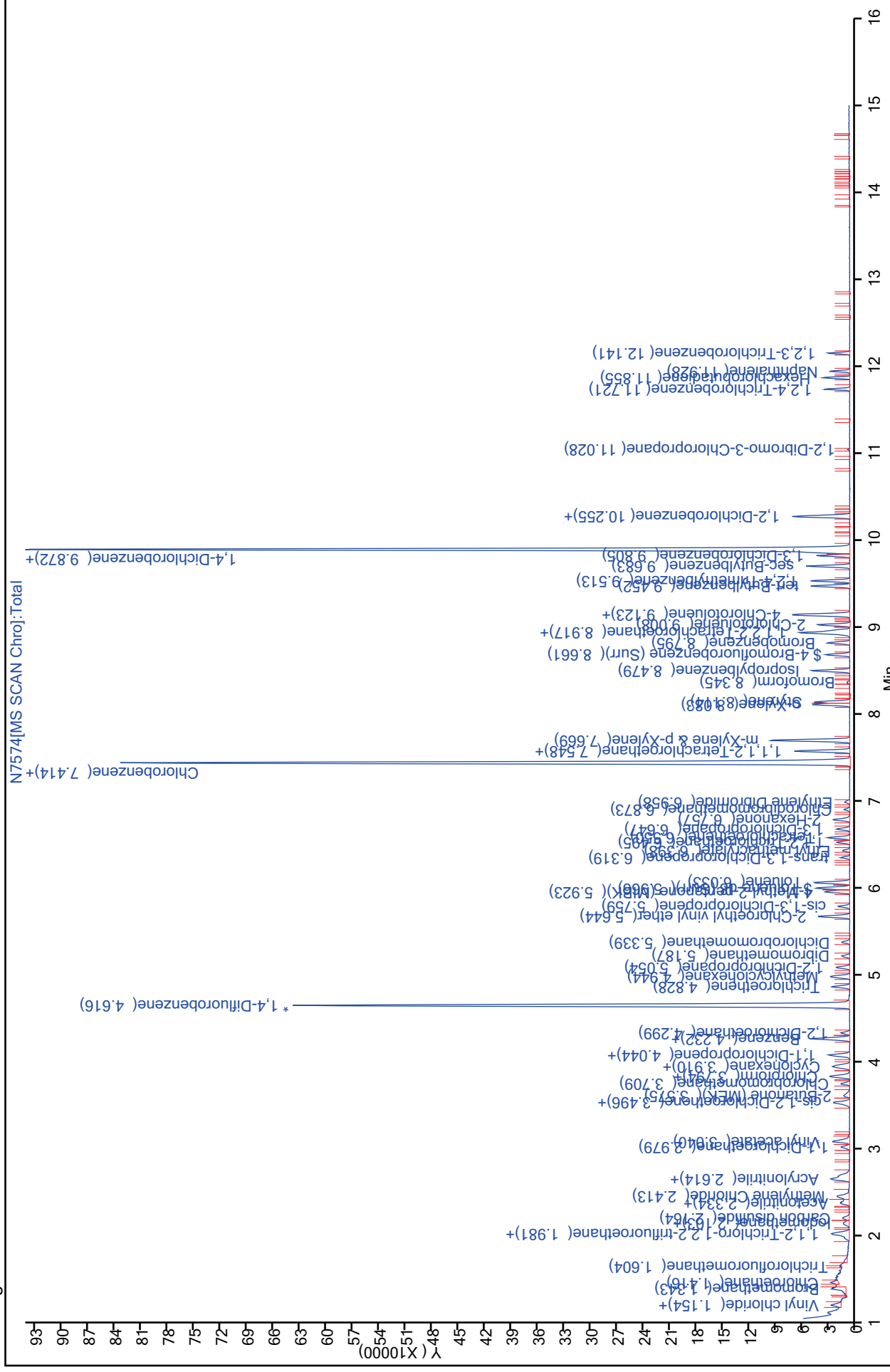
Operator ID:

ZB-624

Column Dia:

0.25 mm

Y Scaling:



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

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1 Analy Batch No.: 16454

SDG No.: _____

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2011 13:55 Calibration End Date: 05/17/2011 15:59 Calibration ID: 2096

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-16454/3	P2552.D
Level 2	IC 480-16454/4	P2553.D
Level 3	IC 480-16454/5	P2554.D
Level 4	ICIS 480-16454/6	P2555.D
Level 5	IC 480-16454/7	P2556.D
Level 6	IC 480-16454/8	P2557.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	0.4522 0.3869	0.4575	0.4216	0.4249	0.4029	Ave			0.4243				6.5		15.0			
Chloromethane	0.3795 0.2843	0.3334	0.3205	0.3216	0.3007	Ave			0.3233			0.1000	10.0		15.0			
Vinyl chloride	0.3345 0.2752	0.3140	0.2968	0.2981	0.2879	Ave			0.3011				6.9		30.0			
Bromomethane	0.1420 0.1184	0.1842	0.1286	0.1207	0.1223	LinlF			0.1221							0.9910		0.9900
Chloroethane	0.1483 0.1226	0.1357	0.1283	0.1363	0.1235	Ave			0.1324				7.3		15.0			
Trichlorofluoromethane	0.5452 0.5106	0.5676	0.5371	0.5467	0.5305	Ave			0.5396				3.5		15.0			
Acrolein	0.0427 0.0415	0.0428	0.0437	0.0446	0.0428	Ave			0.0430				2.5		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2960 0.2900	0.3214	0.3016	0.3154	0.3030	Ave			0.3046				3.9		15.0			
1,1-Dichloroethene	0.3571 0.3265	0.3627	0.3468	0.3507	0.3393	Ave			0.3472				3.7		30.0			
Acetone	0.1628 0.1324	0.1417	0.1449	0.1419	0.1372	Ave			0.1435				7.3		15.0			
Iodomethane	0.4945 0.5001	0.5003	0.4991	0.5295	0.5135	Ave			0.5062				2.6		15.0			
Carbon disulfide	0.7234 0.8588	0.8241	0.8217	0.8987	0.8915	Ave			0.8364				7.7		15.0			
Methyl acetate	0.5245 0.4748	0.5196	0.5143	0.5154	0.5019	Ave			0.5084				3.6		15.0			
Acetonitrile	0.0373 0.0297	0.0354	0.0335	0.0333	0.0316	Ave			0.0334				8.0		15.0			
Methylene Chloride	0.4825 0.3558	0.3956	0.3953	0.3962	0.3712	Ave			0.3994				11.0		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1 Analy Batch No.: 16454

SDG No.: _____

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2011 13:55 Calibration End Date: 05/17/2011 15:59 Calibration ID: 2096

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								
Methyl tert-butyl ether	0.8895 0.9841	0.9147	0.9817	1.0368	1.0118	Ave	0.9698				5.8		15.0			
trans-1,2-Dichloroethene	0.3667 0.3329	0.3700	0.3732	0.3697	0.3575	Ave	0.3617				4.2		15.0			
Acrylonitrile	0.1615 0.1496	0.1632	0.1661	0.1661	0.1578	Ave	0.1607				3.9		15.0			
Vinyl acetate	0.5806 0.4992	0.6564	0.6684	0.6828	0.6272	Ave	0.6191				11.0		15.0			
1,1-Dichloroethane	0.6488 0.5497	0.6325	0.6240	0.6224	0.5997	Ave	0.6129			0.1000	5.7		15.0			
2-Butanone (MEK)	0.2233 0.1995	0.2187	0.2219	0.2245	0.2124	Ave	0.2167				4.4		15.0			
2,2-Dichloropropane	0.4433 0.4239	0.4408	0.4435	0.4628	0.4485	Ave	0.4438				2.8		15.0			
cis-1,2-Dichloroethene	0.3828 0.3661	0.3893	0.3944	0.4005	0.3900	Ave	0.3872				3.1		15.0			
Bromochloromethane	0.2087 0.1977	0.1974	0.2063	0.2076	0.2073	Ave	0.2042				2.5		15.0			
Tetrahydrofuran	0.1305 0.1293	0.1370	0.1388	0.1432	0.1364	Ave	0.1359				3.8		15.0			
Chloroform	0.7459 0.5681	0.6689	0.6372	0.6225	0.6129	Ave	0.6426				9.4		30.0			
1,1,1-Trichloroethane	0.4632 0.4975	0.4823	0.4934	0.5126	0.5150	Ave	0.4940				3.9		15.0			
Cyclohexane	0.4625 0.4842	0.4799	0.4848	0.5182	0.5060	Ave	0.4893				4.1		15.0			
1,1-Dichloropropene	0.4379 0.4283	0.4602	0.4440	0.4604	0.4554	Ave	0.4477				2.9		15.0			
Carbon tetrachloride	0.3886 0.4738	0.4432	0.4342	0.4673	0.4760	Ave	0.4472				7.5		15.0			
Benzene	1.3543 1.1625	1.3648	1.3271	1.3289	1.2865	Ave	1.3040				5.7		15.0			
1,2-Dichloroethane	0.5333 0.4822	0.5314	0.5336	0.5327	0.5112	Ave	0.5207				4.0		15.0			
Trichloroethene	0.3906 0.3484	0.3628	0.3465	0.3628	0.3669	Ave	0.3630				4.4		15.0			
Methylcyclohexane	0.4029 0.4465	0.4264	0.4401	0.4607	0.4581	Ave	0.4391				4.9		15.0			
1,2-Dichloropropane	0.3138 0.3182	0.3321	0.3286	0.3403	0.3339	Ave	0.3278				3.1		30.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1 Analy Batch No.: 16454

SDG No.: _____

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2011 13:55 Calibration End Date: 05/17/2011 15:59 Calibration ID: 2096

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	0.2423 0.2479	0.2560	0.2510	0.2548	0.2525	Ave	0.2507				2.0		15.0			
Bromodichloromethane	0.3759 0.4338	0.3928	0.4018	0.4343	0.4440	Ave	0.4138				6.6		15.0			
2-Chloroethyl vinyl ether	0.1900 0.2125	0.2306	0.2388	0.2498	0.2382	Ave	0.2266				9.6		15.0			
cis-1,3-Dichloropropene	0.3958 0.5244	0.4520	0.4891	0.5283	0.5362	Ave	0.4876				11.0		15.0			
4-Methyl-2-pentanone (MIBK)	0.8994 0.8100	0.9633	0.9797	0.9937	0.9330	Ave	0.9299				7.3		15.0			
Toluene	1.8478 1.7862	1.8439	1.8058	1.8777	1.8838	Ave	1.8409				2.1		30.0			
trans-1,3-Dichloropropene	0.8543 1.1359	0.9597	1.0276	1.1303	1.1687	Ave	1.0461				12.0		15.0			
Ethyl methacrylate	0.6154 1.0709	0.8171	0.9493	1.0504	1.0896	Lin1F	1.0577						0.9960			0.9900
1,1,2-Trichloroethane	0.5975 0.6166	0.6248	0.6025	0.6233	0.6318	Ave	0.6161				2.2		15.0			
Tetrachloroethene	1.0276 0.9799	0.9751	0.9426	0.9784	0.9920	Ave	0.9826				2.8		15.0			
1,3-Dichloropropane	1.1864 1.1316	1.1779	1.2040	1.2154	1.2005	Ave	1.1860				2.5		15.0			
2-Hexanone	0.5922 0.6162	0.7007	0.7235	0.7317	0.6973	Ave	0.6769				8.6		15.0			
Dibromochloromethane	0.5555 0.8757	0.6506	0.6704	0.7736	0.8394	Lin1F	0.8345						0.9930			0.9900
1,2-Dibromoethane	0.6996 0.8344	0.7603	0.7697	0.8262	0.8413	Ave	0.7886				7.0		15.0			
Chlorobenzene	2.2541 2.0953	2.2618	2.1957	2.2449	2.2313	Ave	2.2139			0.3000	2.8		15.0			
Ethylbenzene	3.3891 3.0695	3.4771	3.4107	3.5291	3.4443	Ave	3.3866				4.8		30.0			
1,1,1,2-Tetrachloroethane	0.6625 0.8078	0.6839	0.7318	0.7802	0.8097	Ave	0.7460				8.5		15.0			
m-Xylene & p-Xylene	1.3281 1.2386	1.3446	1.3279	1.3489	1.3456	Ave	1.3223				3.2		15.0			
o-Xylene	1.0811 1.2974	1.2228	1.2643	1.3369	1.3488	Ave	1.2585				7.8		15.0			
Styrene	1.6264 2.1751	2.1164	2.1734	2.3003	2.3207	Ave	2.1187				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 EVALUTION

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1 Analy Batch No.: 16454

SDG No.: _____

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2011 13:55 Calibration End Date: 05/17/2011 15:59 Calibration ID: 2096

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	0.4050 0.7851	0.4631	0.5257	0.6246	0.7179	LinF	0.7623			0.1000				0.9930		0.9900
Isopropylbenzene	2.0622 2.2895	2.3961	2.4867	2.5998	2.5315	Ave	2.3943				8.2		15.0			
1,1,2,2-Tetrachloroethane	0.8404 0.8139	0.8179	0.8714	0.8634	0.8462	Ave	0.8422			0.3000	2.8		15.0			
Bromobenzene	0.7987 0.8363	0.8285	0.8658	0.8753	0.8711	Ave	0.8460				3.6		15.0			
trans-1,4-Dichloro-2-butene	0.1989 0.2014	0.2261	0.2299	0.2355	0.2240	Ave	0.2193				7.0		15.0			
1,2,3-Trichloropropane	0.2614 0.2329	0.2512	0.2473	0.2520	0.2452	Ave	0.2483				3.8		15.0			
N-Propylbenzene	3.1088 2.7027	3.4322	3.4433	3.4176	3.2205	Ave	3.2208				8.9		15.0			
2-Chlorotoluene	0.6063 0.6744	0.6650	0.6839	0.7069	0.7046	Ave	0.6735				5.5		15.0			
1,3,5-Trimethylbenzene	1.8265 1.9554	2.1248	2.1981	2.2127	2.1467	Ave	2.0774				7.4		15.0			
4-Chlorotoluene	0.6282 0.7035	0.7071	0.7202	0.7431	0.7383	Ave	0.7068				5.9		15.0			
tert-Butylbenzene	0.3465 0.4780	0.4280	0.4420	0.4792	0.4871	Ave	0.4435				12.0		15.0			
1,2,4-Trimethylbenzene	1.7541 1.9940	2.1648	2.2542	2.2701	2.2067	Ave	2.1073				9.5		15.0			
sec-Butylbenzene	2.2002 2.4081	2.6107	2.7005	2.7376	2.6720	Ave	2.5548				8.2		15.0			
4-Isopropyltoluene	1.7223 2.1006	2.1668	2.2523	2.3335	2.2881	Ave	2.1439				10.0		15.0			
1,3-Dichlorobenzene	1.5818 1.4189	1.5326	1.5547	1.5405	1.5123	Ave	1.5234				3.7		15.0			
1,4-Dichlorobenzene	1.7152 1.4525	1.5881	1.5700	1.5893	1.5477	Ave	1.5772				5.4		15.0			
n-Butylbenzene	1.7777 1.9446	2.0349	2.1366	2.1959	2.1261	Ave	2.0360				7.6		15.0			
1,2-Dichlorobenzene	1.4579 1.4101	1.4871	1.5251	1.5345	1.4976	Ave	1.4854				3.1		15.0			
1,2-Dibromo-3-Chloropropane	0.1048 0.1755	0.1224	0.1439	0.1546	0.1676	Lin1F	0.1672							0.9940		0.9900
1,2,4-Trichlorobenzene	1.0277 1.2374	1.0954	1.2050	1.2429	1.2654	Ave	1.1790				8.1		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 EVALUTION

Lab Name: TestAmerica Buffalo

Job No.: 480-5072-1

Analy Batch No.: 16454

SDG No.:

Instrument ID: HP5973P

GC Column: ZB-624 (60)

ID: 0.25 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2011 13:55

Calibration End Date: 05/17/2011 15:59

Calibration ID: 2096

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	0.3031 0.3191	0.3050	0.3008	0.3030	0.3085	Ave		0.3066				2.2		15.0			
Naphthalene	1.0344 1.4322	1.3201	1.5346	1.6222	1.5799	Ave		1.4206				15.0		15.0			
1,2,3-Trichlorobenzene	0.5553 0.6791	0.5984	0.6587	0.6834	0.6836	Ave		0.6431				8.4		15.0			
1,2-Dichloroethane-d4 (Surr)	0.2373 0.1992	0.2191	0.2186	0.1995	0.2065	Ave		0.2134				6.9		15.0			
Toluene-d8 (Surr)	2.6436 2.3538	2.6193	2.4890	2.4560	2.5141	Ave		2.5126				4.3		15.0			
4-Bromofluorobenzene (Surr)	1.0569 1.0952	1.0456	1.0487	1.0441	1.1077	Ave		1.0680				2.6		15.0			

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

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1 Analy Batch No.: 16454

SDG No.:

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2011 13:55 Calibration End Date: 05/17/2011 15:59 Calibration ID: 2096

Calibration Files:	
LEVEL:	LAB SAMPLE ID: LAB FILE ID:
Level 1	IC 480-16454/3 P2552.D
Level 2	IC 480-16454/4 P2553.D
Level 3	IC 480-16454/5 P2554.D
Level 4	ICIS 480-16454/6 P2555.D
Level 5	IC 480-16454/7 P2556.D
Level 6	IC 480-16454/8 P2557.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	10417 1029010	52933	98100	254217	516059	1.00 100	5.00	10.0	25.0	50.0
Chloromethane	DFB	Ave	8742 756125	38572	74573	192373	385196	1.00 100	5.00	10.0	25.0	50.0
Vinyl chloride	DFB	Ave	7705 731994	36323	69057	178338	368817	1.00 100	5.00	10.0	25.0	50.0
Bromomethane	DFB	Lin1F	3272 314849	21316	29916	72194	156614	1.00 100	5.00	10.0	25.0	50.0
Chloroethane	DFB	Ave	3416 326015	15697	29860	81547	158197	1.00 100	5.00	10.0	25.0	50.0
Trichlorofluoromethane	DFB	Ave	12560 1358200	65666	124969	327043	679559	1.00 100	5.00	10.0	25.0	50.0
Acrolein	DFB	Ave	19666 2207192	98951	203515	533983	1096966	20.0 2000	100	200	500	1000
1,1,2-Trichloro-1,2,2-trifluoroethane	DFB	Ave	6818 771394	37183	70188	188713	388063	1.00 100	5.00	10.0	25.0	50.0
1,1-Dichloroethene	DFB	Ave	8225 868545	41961	80686	209801	434661	1.00 100	5.00	10.0	25.0	50.0
Acetone	DFB	Ave	18752 1760926	81948	168528	424522	878411	5.00 500	25.0	50.0	125	250
Iodomethane	DFB	Ave	11390 1330181	57884	116132	316747	657773	1.00 100	5.00	10.0	25.0	50.0
Carbon disulfide	DFB	Ave	16665 2284298	95348	191209	537669	1141881	1.00 100	5.00	10.0	25.0	50.0
Methyl acetate	DFB	Ave	12082 1262785	60112	119675	308326	642858	1.00 100	5.00	10.0	25.0	50.0
Acetonitrile	DFB	Ave	34348 3155626	163625	311550	797138	1618138	40.0 4000	200	400	1000	2000
Methylene Chloride	DFB	Ave	11115 946310	45766	91983	237012	475430	1.00 100	5.00	10.0	25.0	50.0
Methyl tert-butyl ether	DFB	Ave	20490 2617523	105819	228435	620265	1296028	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.: 480-5072-1 Analy Batch No.: 16454

SDG No.:

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 05/17/2011 13:55 Calibration End Date: 05/17/2011 15:59 Calibration ID: 2096

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
trans-1,2-Dichloroethene	DFB	Ave	8447 885363	42804	86837	221176	457962	1.00 100	5.00	10.0	25.0	50.0
Acrylonitrile	DFB	Ave	18604 1988955	94409	193289	496793	1010802	5.00 500	25.0	50.0	125	250
Vinyl acetate	DFB	Ave	66871 6639194	379689	777614	2042426	4016814	5.00 500	25.0	50.0	125	250
1,1-Dichloroethane	DFB	Ave	14946 1462109	73180	145200	372346	768143	1.00 100	5.00	10.0	25.0	50.0
2-Butanone (MEK)	DFB	Ave	25716 2652778	126527	258185	671549	1360303	5.00 500	25.0	50.0	125	250
2,2-Dichloropropane	DFB	Ave	10211 1127414	51003	103193	276841	574454	1.00 100	5.00	10.0	25.0	50.0
cis-1,2-Dichloroethene	DFB	Ave	8819 973733	45037	91778	239612	499569	1.00 100	5.00	10.0	25.0	50.0
Bromochloromethane	DFB	Ave	4807 525728	22843	47998	124207	265473	1.00 100	5.00	10.0	25.0	50.0
Tetrahydrofuran	DFB	Ave	15028 1719411	79248	161465	428397	873355	5.00 500	25.0	50.0	125	250
Chloroform	DFB	Ave	17182 1510959	77387	148273	372417	785051	1.00 100	5.00	10.0	25.0	50.0
1,1,1-Trichloroethane	DFB	Ave	10671 1323313	55793	114811	306642	659674	1.00 100	5.00	10.0	25.0	50.0
Cyclohexane	DFB	Ave	10655 1287943	55523	112800	310006	648178	1.00 100	5.00	10.0	25.0	50.0
1,1-Dichloropropene	DFB	Ave	10088 1139225	53242	103322	275437	583367	1.00 100	5.00	10.0	25.0	50.0
Carbon tetrachloride	DFB	Ave	8952 1260307	51273	101045	279549	609694	1.00 100	5.00	10.0	25.0	50.0
Benzene	DFB	Ave	31198 3091984	157900	308802	794998	1647909	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloroethane	DFB	Ave	12286 1282465	61480	124170	318679	654753	1.00 100	5.00	10.0	25.0	50.0
Trichloroethene	DFB	Ave	8997 926566	41977	80636	217017	469917	1.00 100	5.00	10.0	25.0	50.0
Methylcyclohexane	DFB	Ave	9280 1187661	49336	102417	275637	586714	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloropropane	DFB	Ave	7228 846412	38418	76473	203612	427734	1.00 100	5.00	10.0	25.0	50.0
Dibromomethane	DFB	Ave	5581 659257	29615	58400	152448	323437	1.00 100	5.00	10.0	25.0	50.0
Bromodichloromethane	DFB	Ave	8659 1153711	45439	93490	259841	568719	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.: 480-5072-1 Analy Batch No.: 16454

SDG No.:

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2011 13:55 Calibration End Date: 05/17/2011 15:59 Calibration ID: 2096

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	21883 2825725	133365	277879	747152	1525692	5.00 500	25.0	50.0	125	250
cis-1,3-Dichloropropene	DFB	Ave	9118 1394806	52295	113808	316059	686747	1.00 100	5.00	10.0	25.0	50.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	45932 4750233	250517	519524	1352800	2664310	5.00 500	25.0	50.0	125	250
Toluene	CBZ	Ave	18873 2094922	95900	191519	511259	1075945	1.00 100	5.00	10.0	25.0	50.0
trans-1,3-Dichloropropene	CBZ	Ave	8726 1332234	49912	108990	307750	667476	1.00 100	5.00	10.0	25.0	50.0
Ethyl methacrylate	CBZ	LinIF	6286 1255955	42497	100680	286000	622288	1.00 100	5.00	10.0	25.0	50.0
1,1,2-Trichloroethane	CBZ	Ave	6103 723132	32494	63903	169707	360821	1.00 100	5.00	10.0	25.0	50.0
Tetrachloroethene	CBZ	Ave	10496 1149230	50717	99967	266388	566569	1.00 100	5.00	10.0	25.0	50.0
1,3-Dichloropropane	CBZ	Ave	12118 1327227	61262	127694	330932	685664	1.00 100	5.00	10.0	25.0	50.0
2-Hexanone	CBZ	Ave	30242 3613599	182218	383676	996135	1991356	5.00 500	25.0	50.0	125	250
Dibromochloromethane	CBZ	LinIF	5674 1027051	33836	71102	210647	479442	1.00 100	5.00	10.0	25.0	50.0
1,2-Dibromoethane	CBZ	Ave	7146 978634	39543	81635	224966	480513	1.00 100	5.00	10.0	25.0	50.0
Chlorobenzene	CBZ	Ave	23023 2457431	117640	232866	611251	1274405	1.00 100	5.00	10.0	25.0	50.0
Ethylbenzene	CBZ	Ave	34616 3599992	180847	361733	960920	1967185	1.00 100	5.00	10.0	25.0	50.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	6767 947426	35570	77617	212426	462470	1.00 100	5.00	10.0	25.0	50.0
m-Xylene & p-Xylene	CBZ	Ave	27130 2905321	139871	281669	734564	1537073	2.00 200	10.0	20.0	50.0	100
o-Xylene	CBZ	Ave	11042 1521588	63598	134093	363999	770376	1.00 100	5.00	10.0	25.0	50.0
Styrene	CBZ	Ave	16612 2551066	110073	230507	626341	1325425	1.00 100	5.00	10.0	25.0	50.0
Bromoform	CBZ	LinF	4137 920837	24086	55756	170078	410000	1.00 100	5.00	10.0	25.0	50.0
Isopropylbenzene	DCB	Ave	26298 3551903	159326	330963	909960	1885246	1.00 100	5.00	10.0	25.0	50.0
1,1,2,2-Tetrachloroethane	DCB	Ave	10717 1262674	54384	115970	302198	630219	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.: 480-5072-1 Analy Batch No.: 16454

SDG No.:

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 05/17/2011 13:55 Calibration End Date: 05/17/2011 15:59 Calibration ID: 2096

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
Bromobenzene	DCB	Ave	10185 1297472	55089	115235	306373	648707	1.00 100	5.00	10.0	25.0	50.0
trans-1,4-Dichloro-2-butene	DCB	Ave	12684 1562472	75173	153016	412115	833961	5.00 500	25.0	50.0	125	250
1,2,3-Trichloropropane	DCB	Ave	3334 361308	16701	32909	88202	182614	1.00 100	5.00	10.0	25.0	50.0
N-Propylbenzene	DCB	Ave	39644 4192846	228222	458278	1196207	2398372	1.00 100	5.00	10.0	25.0	50.0
2-Chlorotoluene	DCB	Ave	7732 1046315	44221	91020	247415	524752	1.00 100	5.00	10.0	25.0	50.0
1,3,5-Trimethylbenzene	DCB	Ave	23292 3033489	141291	292547	774481	1598687	1.00 100	5.00	10.0	25.0	50.0
4-Chlorotoluene	DCB	Ave	8011 1091444	47019	95856	260109	549834	1.00 100	5.00	10.0	25.0	50.0
tert-Butylbenzene	DCB	Ave	4419 741530	28460	58830	167732	362778	1.00 100	5.00	10.0	25.0	50.0
1,2,4-Trimethylbenzene	DCB	Ave	22369 3093413	143946	300020	794584	1643355	1.00 100	5.00	10.0	25.0	50.0
sec-Butylbenzene	DCB	Ave	28058 3735890	173598	359410	958181	1989908	1.00 100	5.00	10.0	25.0	50.0
4-Isopropyltoluene	DCB	Ave	21963 3258835	144082	299756	816768	1703974	1.00 100	5.00	10.0	25.0	50.0
1,3-Dichlorobenzene	DCB	Ave	20171 2201215	101911	206912	539206	1126215	1.00 100	5.00	10.0	25.0	50.0
1,4-Dichlorobenzene	DCB	Ave	21873 2253434	105603	208951	556274	1152635	1.00 100	5.00	10.0	25.0	50.0
n-Butylbenzene	DCB	Ave	22670 3016874	135310	284358	768580	1583382	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichlorobenzene	DCB	Ave	18592 2187598	98882	202984	537080	1115288	1.00 100	5.00	10.0	25.0	50.0
1,2-Dibromo-3-Chloropropane	DCB	LinIF	1336 272198	8141	19152	54105	124783	1.00 100	5.00	10.0	25.0	50.0
1,2,4-Trichlorobenzene	DCB	Ave	13105 1919604	72839	160378	435049	942381	1.00 100	5.00	10.0	25.0	50.0
Hexachlorobutadiene	DFOB	Ave	6981 848608	35282	69993	181253	395121	1.00 100	5.00	10.0	25.0	50.0
Naphthalene	DFOB	Ave	23828 3809408	152723	357085	970491	2023601	1.00 100	5.00	10.0	25.0	50.0
1,2,3-Trichlorobenzene	DFOB	Ave	12792 1806168	69231	153272	408827	875581	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloroethane-d4 (Surr)	DFOB	Ave	5466 529802	25353	50876	119341	264440	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.: 480-5072-1 Analy Batch No.: 16454

SDG No.: _____

Instrument ID: HP5973P GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2011 13:55 Calibration End Date: 05/17/2011 15:59 Calibration ID: 2096

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	27002 2760570	136230	263981	668729	1435928	1.00 100	5.00	10.0	25.0	50.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	10897 1284448	54384	111222	284301	632672	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\HP5973P\20110517-3207.b\P2552.D
 Lims ID: IC Client ID:
 Inject. Date: 17-May-2011 13:55:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: IC
 Misc. Info.: 480-0003207-003 =480-0003207-003
 Operator: PJQ Instrument ID: HP5973P
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 16454 Lims Sample ID: 3
 Sublist: chrom-P-8260*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973P\20110517-3207.b\P-8260.m
 Last Update: 17-May-2011 17:51:56 Calib Date: 17-May-2011 15:59:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973P\20110517-3207.b\P2557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: cwiklinc

Date: 17-May-2011 17:46:42

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	8.121	8.121	0.0	94	575890	25.0	
* 2 Chlorobenzene-d5	82	11.899	11.899	0.0	82	255350	25.0	
* 3 1,4-Dichlorobenzene-d4	152	15.038	15.038	0.0	92	318808	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	7.683	7.677	0.006	65	5466	1.11	
\$ 5 Toluene-d8 (Surr)	98	9.946	9.946	0.0	67	27002	1.05	
\$ 6 4-Bromofluorobenzene (Surr)	174	13.505	13.511	-0.006	65	10897	1.00	
10 Dichlorodifluoromethane	85	2.841	2.834	0.007	56	10417	1.07	
11 Chloromethane	50	3.035	3.041	-0.006	68	8742	1.17	
17 Vinyl chloride	62	3.224	3.224	0.0	19	7705	1.11	
12 Bromomethane	94	3.656	3.662	-0.006	37	3272	1.16	
13 Chloroethane	64	3.790	3.777	0.013	41	3416	1.12	
14 Trichlorofluoromethane	101	4.142	4.143	-0.001	24	12560	1.01	M
22 Acrolein	56	4.641	4.629	0.012	74	19666	19.8	
16 1,1,2-Trichloro-1,2,2-trifluoroethane	101	4.702	4.696	0.006	32	6818	0.9718	
25 1,1-Dichloroethene	96	4.733	4.733	0.0	73	8225	1.03	
24 Acetone	43	4.799	4.793	0.006	91	18752	5.67	
18 Iodomethane	142	4.964	4.958	0.006	76	11390	0.9769	
27 Carbon disulfide	76	5.049	5.055	-0.006	88	16665	0.8650	
30 Methyl acetate	43	5.134	5.128	0.006	87	12082	1.03	
29 Acetonitrile	40	5.177	5.158	0.019	99	34348	44.6	
31 Methylene Chloride	84	5.310	5.304	0.006	74	11115	1.21	
32 Methyl tert-butyl ether	73	5.554	5.542	0.012	80	20490	0.9172	
35 trans-1,2-Dichloroethene	96	5.590	5.584	0.006	73	8447	1.01	
34 Acrylonitrile	53	5.602	5.590	0.012	91	18604	5.02	
38 Vinyl acetate	43	6.065	6.053	0.012	94	66871	4.69	
40 1,1-Dichloroethane	63	6.071	6.071	0.0	1	14946	1.06	
44 2-Butanone (MEK)	43	6.728	6.716	0.012	96	25716	5.15	
45 2,2-Dichloropropane	77	6.728	6.728	0.0	29	10211	1.00	
43 cis-1,2-Dichloroethene	96	6.740	6.728	0.012	36	8819	0.9888	
50 Chlorobromomethane	128	7.032	7.026	0.006	70	4807	1.02	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
51 Tetrahydrofuran	42	7.069	7.056	0.013	84	15028	4.80	
49 Chloroform	83	7.087	7.081	0.006	62	17182	1.16	
52 1,1,1-Trichloroethane	97	7.294	7.294	0.0	41	10671	0.9377	
54 Cyclohexane	56	7.342	7.336	0.006	63	10655	0.9454	
56 1,1-Dichloropropene	75	7.470	7.464	0.006	58	10088	0.9781	
55 Carbon tetrachloride	117	7.482	7.482	0.0	62	8952	0.8690	
57 Benzene	78	7.726	7.726	0.0	70	31198	1.04	
60 1,2-Dichloroethane	62	7.774	7.774	0.0	69	12286	1.02	
62 Trichloroethene	95	8.468	8.462	0.006	74	8997	1.08	
64 Methylcyclohexane	83	8.663	8.663	-0.001	64	9280	0.9174	
63 1,2-Dichloropropane	63	8.772	8.766	0.006	55	7228	0.9571	
69 Dibromomethane	93	8.942	8.948	-0.006	70	5581	0.9663	
70 Dichlorobromomethane	83	9.107	9.101	0.006	60	8659	0.9085	
71 2-Chloroethyl vinyl ether	63	9.399	9.393	0.006	80	21883	4.19	
73 cis-1,3-Dichloropropene	75	9.630	9.624	0.006	52	9118	0.8117	
75 4-Methyl-2-pentanone (MIBK)	43	9.770	9.764	0.006	88	45932	4.84	
76 Toluene	92	10.037	10.031	0.006	83	18873	1.00	
78 trans-1,3-Dichloropropene	75	10.329	10.329	0.0	52	8726	0.8167	
77 Ethyl methacrylate	69	10.335	10.335	0.0	10	6286	0.5819	
79 1,1,2-Trichloroethane	83	10.597	10.597	0.0	61	6103	0.9699	
80 Tetrachloroethene	166	10.743	10.749	-0.006	80	10496	1.05	
82 1,3-Dichloropropane	76	10.822	10.822	0.0	72	12118	1.00	
83 2-Hexanone	43	10.847	10.840	0.006	90	30242	4.37	
81 Chlorodibromomethane	129	11.151	11.151	0.0	49	5674	0.6657	
85 Ethylene Dibromide	107	11.327	11.327	0.0	46	7146	0.8872	
87 Chlorobenzene	112	11.942	11.942	0.0	42	23023	1.02	
89 Ethylbenzene	91	12.027	12.027	0.0	88	34616	1.00	
88 1,1,1,2-Tetrachloroethane	131	12.039	12.039	0.0	15	6767	0.8881	
90 m-Xylene & p-Xylene	106	12.179	12.179	0.0	98	27130	2.01	
93 o-Xylene	106	12.757	12.757	0.0	75	11042	0.8590	
94 Styrene	104	12.781	12.781	0.0	66	16612	0.7676	
92 Bromoform	173	13.134	13.134	0.0	64	4137	0.5313	
95 Isopropylbenzene	105	13.237	13.231	0.006	74	26298	0.8613	
97 1,1,2,2-Tetrachloroethane	83	13.712	13.718	-0.006	44	10717	1.00	
100 Bromobenzene	156	13.742	13.742	0.0	31	10185	0.9441	
98 trans-1,4-Dichloro-2-butene	53	13.779	13.773	0.006	64	12684	4.54	
101 1,2,3-Trichloropropane	110	13.791	13.791	0.0	37	3334	1.05	
99 N-Propylbenzene	91	13.791	13.791	0.0	83	39644	0.9652	
103 2-Chlorotoluene	126	13.961	13.967	-0.006	79	7732	0.9002	
102 1,3,5-Trimethylbenzene	105	14.010	14.010	0.0	56	23292	0.8792	
105 4-Chlorotoluene	126	14.107	14.107	0.0	81	8011	0.8889	
106 tert-Butylbenzene	134	14.460	14.454	0.006	60	4419	0.7814	
107 1,2,4-Trimethylbenzene	105	14.521	14.521	0.0	76	22369	0.8324	
109 sec-Butylbenzene	105	14.734	14.734	0.0	60	28058	0.8612	
112 4-Isopropyltoluene	119	14.904	14.904	0.0	69	21963	0.8033	
110 1,3-Dichlorobenzene	146	14.959	14.959	0.0	85	20171	1.04	
111 1,4-Dichlorobenzene	146	15.069	15.069	-0.001	71	21873	1.09	
115 n-Butylbenzene	91	15.434	15.434	0.0	78	22670	0.8732	
116 1,2-Dichlorobenzene	146	15.561	15.561	0.0	81	18592	0.9815	
117 1,2-Dibromo-3-Chloropropane	75	16.547	16.547	0.0	1	1336	0.6264	
119 1,2,4-Trichlorobenzene	180	17.490	17.484	0.006	55	13105	0.8717	
120 Hexachlorobutadiene	225	17.618	17.618	0.0	53	6981	0.9886	

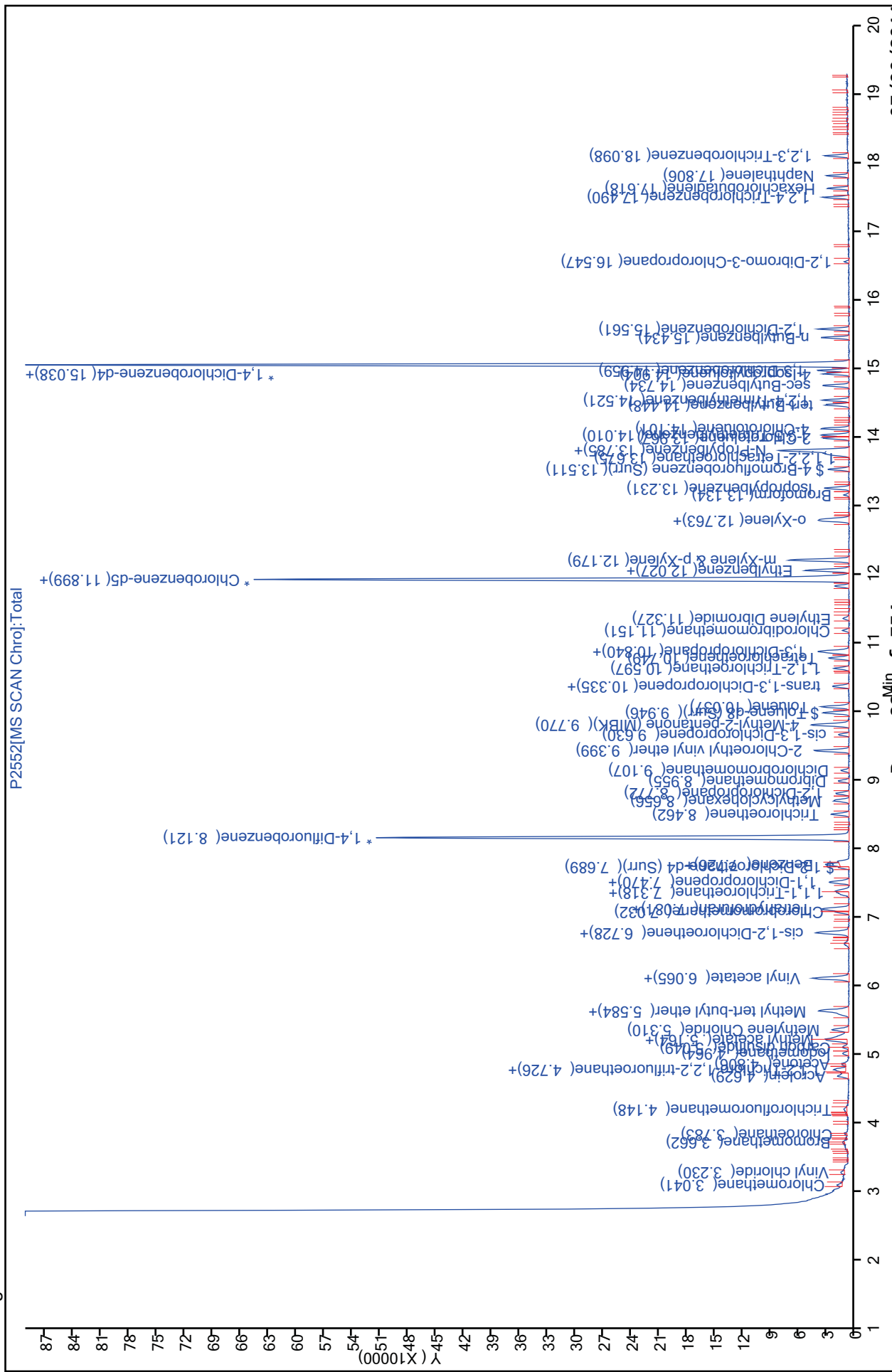
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	17.806	17.800	0.006	66	23828	0.7282	
122 1,2,3-Trichlorobenzene	180	18.098	18.092	0.006	58	12792	0.8635	
S 123 1,2-Dichloroethene, Total	1				0		2.00	
S 124 1,3-Dichloropropene, Total	1				0		1.63	
S 125 Total BTEX	1				0		5.91	
S 126 Xylenes, Total	1				0		2.87	

QC Flag Legend

Review Flags

M - Manually Integrated

Injection Date: 17-May-2011 13:55:30 Limit Group: MV - 8260B ICAL
Client ID: 16454 Instrument ID: HP5973P
Lims Batch ID: PJJ Lims Sample ID: 3
Operator ID: ZB-624 Column Dia: 0.25 mm
Y Scaling:

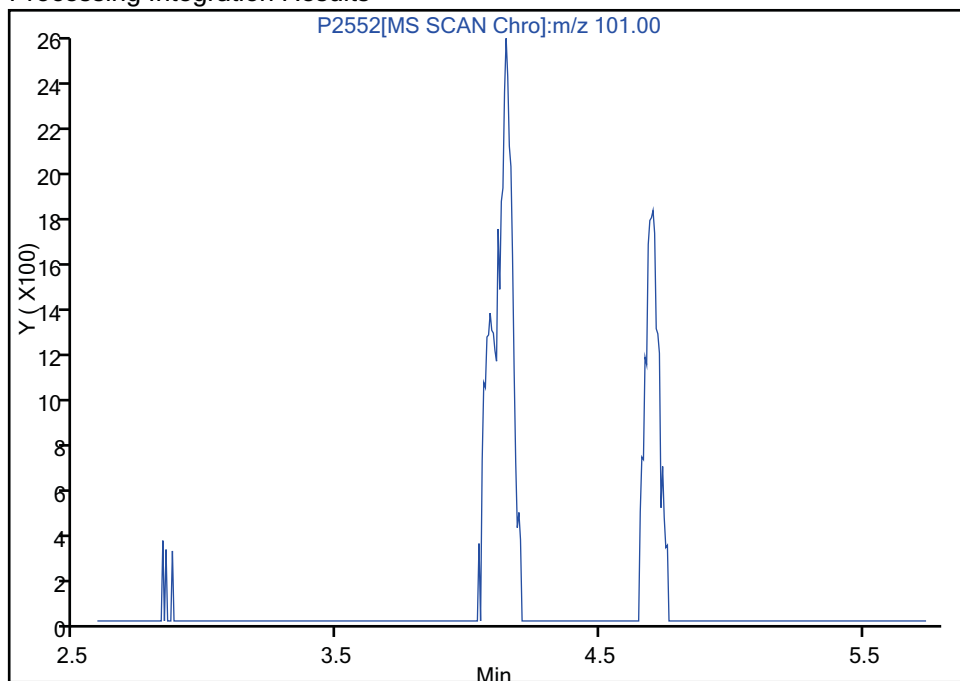


Data File: \\Bufchrom\ChromData\HP5973P\20110517-3207.b\P2552.D
Injection Date: 17-May-2011 13:55:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973P
Lims Batch ID: 16454 Lims Sample ID: 3
Operator ID: PJQ
Column Type: ZB-624 Column Dia: 0.25 mm

14 Trichlorofluoromethane, Signal: 1, m/z: 101.0 Type: quant, RT: 4.14

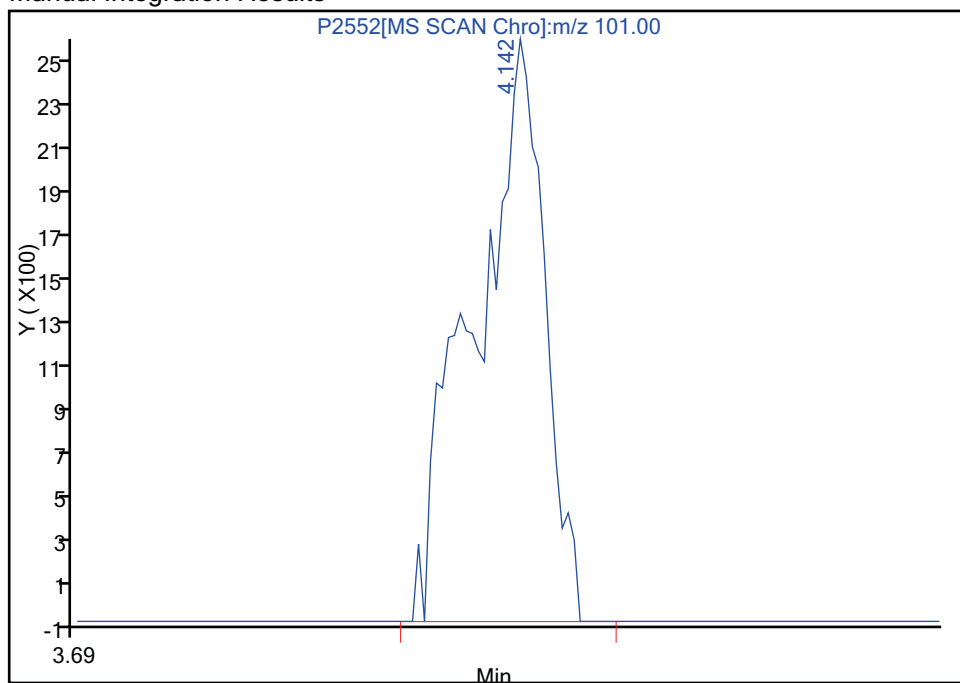
Not Detected
Expected RT: 4.14

Processing Integration Results



RT: 4.14
Response: 12560
Amount: 1.010415

Manual Integration Results



Reviewer: cwiklinc, 17-May-2011 17:46:42
Audit Action: Manually Integrated
Audit Reason: Missed Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110517-3207.b\P2553.D
 Lims ID: IC 2 Client ID:
 Inject. Date: 17-May-2011 14:20:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: IC 2
 Misc. Info.: 480-0003207-004 =480-0003207-004
 Operator: PJQ Instrument ID: HP5973P
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 16454 Lims Sample ID: 4
 Sublist: chrom-P-8260*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973P\20110517-3207.b\P-8260.m
 Last Update: 17-May-2011 17:47:25 Calib Date: 17-May-2011 15:59:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973P\20110517-3207.b\P2557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: cwiklinc

Date: 17-May-2011 17:47:25

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	8.121	8.121	0.0	94	578464	25.0	
* 2 Chlorobenzene-d5	82	11.899	11.899	0.0	76	260053	25.0	
* 3 1,4-Dichlorobenzene-d4	152	15.038	15.038	0.0	89	332476	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	7.683	7.677	0.006	97	25353	5.14	
\$ 5 Toluene-d8 (Surr)	98	9.946	9.946	0.0	92	136230	5.21	
\$ 6 4-Bromofluorobenzene (Surr)	174	13.511	13.511	0.0	92	54384	4.90	
10 Dichlorodifluoromethane	85	2.834	2.834	0.0	78	52933	5.39	
11 Chloromethane	50	3.035	3.041	-0.006	88	38572	5.16	
17 Vinyl chloride	62	3.212	3.224	-0.012	74	36323	5.21	
12 Bromomethane	94	3.662	3.662	0.0	83	21316	7.55	
13 Chloroethane	64	3.783	3.777	0.006	73	15697	5.12	
14 Trichlorofluoromethane	101	4.142	4.142	0.0	78	65666	5.42	
22 Acrolein	56	4.629	4.629	0.0	91	98951	99.4	
16 1,1,2-Trichloro-1,2,2-trifluoroethane	101	4.690	4.696	-0.006	67	37183	5.28	
25 1,1-Dichloroethene	96	4.726	4.733	-0.007	86	41961	5.22	
24 Acetone	43	4.799	4.793	0.006	96	81948	24.7	
18 Iodomethane	142	4.964	4.958	0.006	96	57884	4.94	
27 Carbon disulfide	76	5.055	5.055	0.0	97	95348	4.93	
30 Methyl acetate	43	5.128	5.128	0.0	90	60112	5.11	
29 Acetonitrile	40	5.164	5.158	0.006	99	163625	211.4	
31 Methylene Chloride	84	5.304	5.304	0.0	88	45766	4.95	
32 Methyl tert-butyl ether	73	5.548	5.542	0.006	87	105819	4.72	
35 trans-1,2-Dichloroethene	96	5.584	5.584	0.0	94	42804	5.12	
34 Acrylonitrile	53	5.590	5.590	0.0	97	94409	25.4	
38 Vinyl acetate	43	6.053	6.053	0.0	97	379689	26.5	
40 1,1-Dichloroethane	63	6.071	6.071	0.0	81	73180	5.16	
44 2-Butanone (MEK)	43	6.722	6.716	0.006	99	126527	25.2	
45 2,2-Dichloropropane	77	6.716	6.728	-0.012	46	51003	4.97	
43 cis-1,2-Dichloroethene	96	6.734	6.728	0.006	67	45037	5.03	
50 Chlorobromomethane	128	7.026	7.026	0.0	76	22843	4.84	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
51 Tetrahydrofuran	42	7.062	7.056	0.006	88	79248	25.2	
49 Chloroform	83	7.081	7.081	0.0	70	77387	5.20	
52 1,1,1-Trichloroethane	97	7.288	7.294	-0.006	85	55793	4.88	
54 Cyclohexane	56	7.336	7.336	0.0	93	55523	4.90	
56 1,1-Dichloropropene	75	7.464	7.464	0.0	91	53242	5.14	
55 Carbon tetrachloride	117	7.476	7.482	-0.006	75	51273	4.96	
57 Benzene	78	7.726	7.726	0.0	80	157900	5.23	
60 1,2-Dichloroethane	62	7.768	7.774	-0.006	77	61480	5.10	
62 Trichloroethene	95	8.462	8.462	0.0	90	41977	5.00	
64 Methylcyclohexane	83	8.662	8.663	-0.001	91	49336	4.86	
63 1,2-Dichloropropane	63	8.766	8.766	0.0	85	38418	5.06	
69 Dibromomethane	93	8.948	8.948	0.0	82	29615	5.10	
70 Dichlorobromomethane	83	9.100	9.101	-0.001	87	45439	4.75	
71 2-Chloroethyl vinyl ether	63	9.392	9.393	-0.001	91	133365	25.4	
73 cis-1,3-Dichloropropene	75	9.630	9.624	0.006	79	52295	4.63	
75 4-Methyl-2-pentanone (MIBK)	43	9.764	9.764	0.0	98	250517	25.9	
76 Toluene	92	10.037	10.031	0.006	96	95900	5.01	
78 trans-1,3-Dichloropropene	75	10.329	10.329	0.0	88	49912	4.59	
77 Ethyl methacrylate	69	10.335	10.335	0.0	73	42497	3.86	
79 1,1,2-Trichloroethane	83	10.597	10.597	0.0	83	32494	5.07	
80 Tetrachloroethene	166	10.749	10.749	0.0	91	50717	4.96	
82 1,3-Dichloropropane	76	10.822	10.822	0.0	91	61262	4.97	
83 2-Hexanone	43	10.846	10.840	0.006	99	182218	25.9	
81 Chlorodibromomethane	129	11.151	11.151	0.0	97	33836	3.90	
85 Ethylene Dibromide	107	11.327	11.327	0.0	90	39543	4.82	
87 Chlorobenzene	112	11.935	11.942	-0.007	78	117640	5.11	
89 Ethylbenzene	91	12.027	12.027	0.0	97	180847	5.13	
88 1,1,1,2-Tetrachloroethane	131	12.039	12.039	0.0	85	35570	4.58	
90 m-Xylene & p-Xylene	106	12.179	12.179	0.0	99	139871	10.2	
93 o-Xylene	106	12.757	12.757	0.0	93	63598	4.86	
94 Styrene	104	12.781	12.781	0.0	92	110073	4.99	
92 Bromoform	173	13.140	13.134	0.006	93	24086	3.04	
95 Isopropylbenzene	105	13.231	13.231	0.0	94	159326	5.00	
97 1,1,2,2-Tetrachloroethane	83	13.718	13.718	0.0	72	54384	4.86	
100 Bromobenzene	156	13.736	13.742	-0.006	70	55089	4.90	
98 trans-1,4-Dichloro-2-butene	53	13.773	13.773	0.0	80	75173	25.8	
101 1,2,3-Trichloropropane	110	13.785	13.791	-0.006	65	16701	5.06	
99 N-Propylbenzene	91	13.791	13.791	0.0	95	228222	5.33	
103 2-Chlorotoluene	126	13.961	13.967	-0.006	91	44221	4.94	
102 1,3,5-Trimethylbenzene	105	14.010	14.010	0.0	68	141291	5.11	
105 4-Chlorotoluene	126	14.107	14.107	0.0	98	47019	5.00	
106 tert-Butylbenzene	134	14.454	14.454	0.0	89	28460	4.83	
107 1,2,4-Trimethylbenzene	105	14.521	14.521	0.0	96	143946	5.14	
109 sec-Butylbenzene	105	14.734	14.734	0.0	91	173598	5.11	
112 4-Isopropyltoluene	119	14.910	14.904	0.006	89	144082	5.05	
110 1,3-Dichlorobenzene	146	14.959	14.959	0.0	96	101911	5.03	
111 1,4-Dichlorobenzene	146	15.068	15.069	-0.001	93	105603	5.03	
115 n-Butylbenzene	91	15.433	15.434	-0.001	94	135310	5.00	
116 1,2-Dichlorobenzene	146	15.561	15.561	0.0	96	98882	5.01	
117 1,2-Dibromo-3-Chloropropane	75	16.547	16.547	0.0	55	8141	3.66	
119 1,2,4-Trichlorobenzene	180	17.490	17.484	0.006	90	72839	4.65	
120 Hexachlorobutadiene	225	17.624	17.618	0.006	86	35282	4.97	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	17.806	17.800	0.006	96	152723	4.65	
122 1,2,3-Trichlorobenzene	180	18.098	18.092	0.006	91	69231	4.65	
S 123 1,2-Dichloroethene, Total	1				0		10.1	
S 124 1,3-Dichloropropene, Total	1				0		9.22	
S 125 Total BTEX	1				0		30.4	
S 126 Xylenes, Total	1				0		15.0	

Injection Date: 17-May-2011 14:20:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973P

Lims Batch ID: 16454

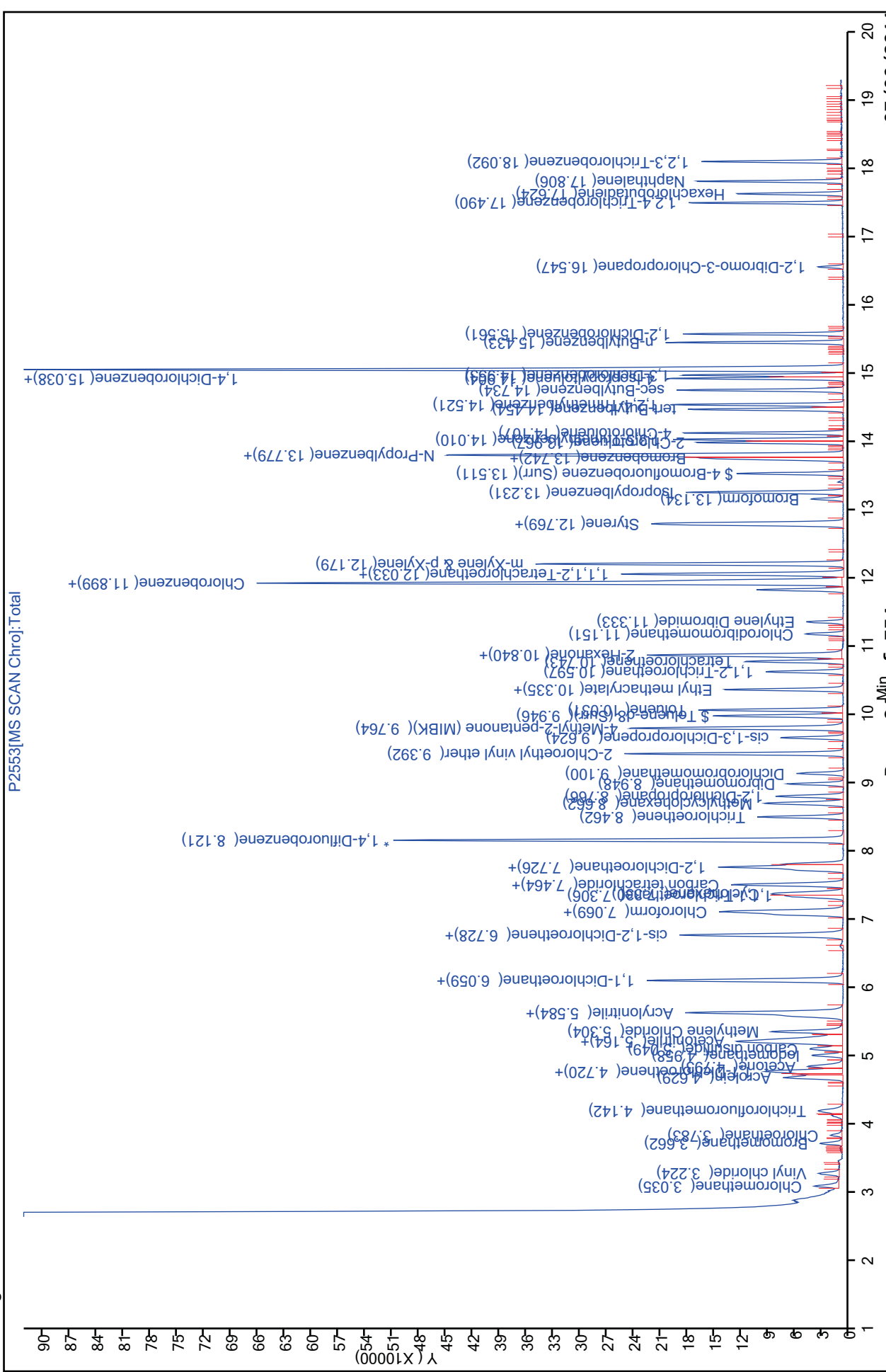
Lims Sample ID: 4

Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110517-3207.b\P2554.D
 Lims ID: IC 3 Client ID:
 Inject. Date: 17-May-2011 14:44:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: IC 3
 Misc. Info.: 480-0003207-005 =480-0003207-005
 Operator: PJQ Instrument ID: HP5973P
 Vol. Injected: 1.0000 ALS Bottle#: 5
 Lims Batch ID: 16454 Lims Sample ID: 5
 Sublist: chrom-P-8260*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973P\20110517-3207.b\P-8260.m
 Last Update: 17-May-2011 17:48:12 Calib Date: 17-May-2011 15:59:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973P\20110517-3207.b\P2557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

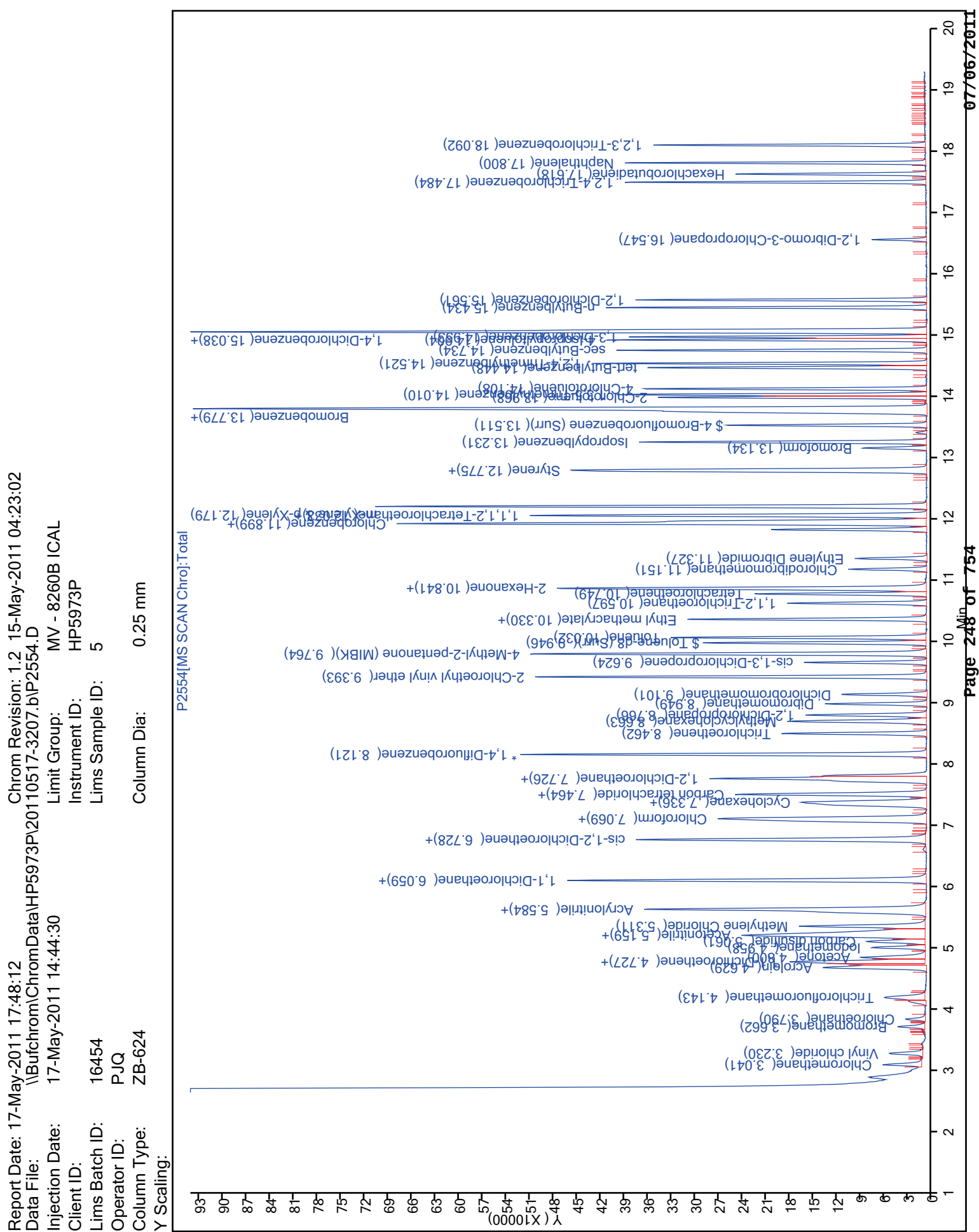
First Level Reviewer: cwiklinc

Date: 17-May-2011 17:48:12

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	8.121	8.121	0.0	93	581729	25.0	
* 2 Chlorobenzene-d5	82	11.899	11.899	0.0	70	265144	25.0	
* 3 1,4-Dichlorobenzene-d4	152	15.038	15.038	0.0	92	332729	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	7.677	7.677	0.0	60	50876	10.2	
\$ 5 Toluene-d8 (Surr)	98	9.946	9.946	0.0	92	263981	9.91	
\$ 6 4-Bromofluorobenzene (Surr)	174	13.511	13.511	0.0	95	111222	9.82	
10 Dichlorodifluoromethane	85	2.841	2.834	0.007	83	98100	9.94	
11 Chloromethane	50	3.041	3.041	0.0	88	74573	9.91	
17 Vinyl chloride	62	3.224	3.224	0.0	79	69057	9.86	
12 Bromomethane	94	3.662	3.662	0.0	86	29916	10.5	
13 Chloroethane	64	3.790	3.777	0.013	92	29860	9.69	
14 Trichlorofluoromethane	101	4.137	4.142	-0.005	82	124969	10.3	
22 Acrolein	56	4.629	4.629	0.0	91	203515	203.3	
16 1,1,2-Trichloro-1,2,2-trifluoroethane	101	4.696	4.696	0.0	56	70188	9.90	
25 1,1-Dichloroethene	96	4.733	4.733	0.0	89	80686	9.99	
24 Acetone	43	4.800	4.793	0.007	98	168528	50.5	
18 Iodomethane	142	4.958	4.958	0.0	97	116132	9.86	
27 Carbon disulfide	76	5.061	5.055	0.006	98	191209	9.82	
30 Methyl acetate	43	5.134	5.128	0.006	90	119675	10.1	
29 Acetonitrile	40	5.165	5.158	0.007	99	311550	400.3	
31 Methylene Chloride	84	5.311	5.304	0.007	88	91983	9.90	
32 Methyl tert-butyl ether	73	5.542	5.542	0.0	90	228435	10.1	
35 trans-1,2-Dichloroethene	96	5.584	5.584	0.0	95	86837	10.3	
34 Acrylonitrile	53	5.591	5.590	0.0	98	193289	51.7	
38 Vinyl acetate	43	6.053	6.053	0.0	97	777614	54.0	
40 1,1-Dichloroethane	63	6.071	6.071	0.0	83	145200	10.2	
44 2-Butanone (MEK)	43	6.722	6.716	0.006	99	258185	51.2	
45 2,2-Dichloropropane	77	6.722	6.728	-0.006	49	103193	10.0	
43 cis-1,2-Dichloroethene	96	6.734	6.728	0.006	70	91778	10.2	
50 Chlorobromomethane	128	7.026	7.026	0.0	77	47998	10.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
51 Tetrahydrofuran	42	7.057	7.056	0.001	88	161465	51.1	
49 Chloroform	83	7.081	7.081	0.0	69	148273	9.92	
52 1,1,1-Trichloroethane	97	7.294	7.294	0.0	89	114811	9.99	
54 Cyclohexane	56	7.343	7.336	0.007	92	112800	9.91	
56 1,1-Dichloropropene	75	7.464	7.464	0.0	93	103322	9.92	
55 Carbon tetrachloride	117	7.476	7.482	-0.006	81	101045	9.71	
57 Benzene	78	7.726	7.726	0.0	80	308802	10.2	
60 1,2-Dichloroethane	62	7.775	7.774	0.0	80	124170	10.2	
62 Trichloroethene	95	8.462	8.462	0.0	92	80636	9.55	
64 Methylcyclohexane	83	8.663	8.663	0.0	92	102417	10.0	
63 1,2-Dichloropropane	63	8.766	8.766	0.0	90	76473	10.0	
69 Dibromomethane	93	8.949	8.948	0.001	82	58400	10.0	
70 Dichlorobromomethane	83	9.107	9.101	0.006	92	93490	9.71	
71 2-Chloroethyl vinyl ether	63	9.393	9.393	0.0	92	277879	52.7	
73 cis-1,3-Dichloropropene	75	9.624	9.624	0.0	85	113808	10.0	
75 4-Methyl-2-pentanone (MIBK)	43	9.764	9.764	0.0	98	519524	52.7	
76 Toluene	92	10.032	10.031	0.001	98	191519	9.81	
78 trans-1,3-Dichloropropene	75	10.330	10.329	0.001	94	108990	9.82	
77 Ethyl methacrylate	69	10.336	10.335	0.001	87	100680	8.98	
79 1,1,2-Trichloroethane	83	10.597	10.597	0.0	86	63903	9.78	
80 Tetrachloroethene	166	10.743	10.749	-0.006	92	99967	9.59	
82 1,3-Dichloropropane	76	10.822	10.822	0.0	95	127694	10.2	
83 2-Hexanone	43	10.841	10.840	0.001	99	383676	53.4	
81 Chlorodibromomethane	129	11.151	11.151	0.0	99	71102	8.03	
85 Ethylene Dibromide	107	11.327	11.327	0.0	98	81635	9.76	
87 Chlorobenzene	112	11.942	11.942	0.0	86	232866	9.92	
89 Ethylbenzene	91	12.027	12.027	0.0	98	361733	10.1	
88 1,1,1,2-Tetrachloroethane	131	12.045	12.039	0.006	86	77617	9.81	
90 m-Xylene & p-Xylene	106	12.179	12.179	0.0	98	281669	20.1	
93 o-Xylene	106	12.757	12.757	0.0	94	134093	10.0	
94 Styrene	104	12.781	12.781	0.0	93	230507	10.3	
92 Bromoform	173	13.134	13.134	0.0	98	55756	6.90	
95 Isopropylbenzene	105	13.231	13.231	0.0	96	330963	10.4	
97 1,1,2,2-Tetrachloroethane	83	13.712	13.718	-0.006	76	115970	10.3	
100 Bromobenzene	156	13.742	13.742	0.0	44	115235	10.2	
98 trans-1,4-Dichloro-2-butene	53	13.773	13.773	0.0	86	153016	52.4	
101 1,2,3-Trichloropropane	110	13.791	13.791	0.0	69	32909	9.96	
99 N-Propylbenzene	91	13.791	13.791	0.0	94	458278	10.7	
103 2-Chlorotoluene	126	13.968	13.967	0.001	92	91020	10.2	
102 1,3,5-Trimethylbenzene	105	14.010	14.010	0.0	68	292547	10.6	
105 4-Chlorotoluene	126	14.108	14.107	0.001	97	95856	10.2	
106 tert-Butylbenzene	134	14.454	14.454	0.0	86	58830	9.97	
107 1,2,4-Trimethylbenzene	105	14.521	14.521	0.0	97	300020	10.7	
109 sec-Butylbenzene	105	14.734	14.734	0.0	93	359410	10.6	
112 4-Isopropyltoluene	119	14.904	14.904	0.0	88	299756	10.5	
110 1,3-Dichlorobenzene	146	14.953	14.959	-0.006	96	206912	10.2	
111 1,4-Dichlorobenzene	146	15.069	15.069	0.0	91	208951	9.95	
115 n-Butylbenzene	91	15.434	15.434	0.0	94	284358	10.5	
116 1,2-Dichlorobenzene	146	15.561	15.561	0.0	97	202984	10.3	
117 1,2-Dibromo-3-Chloropropane	75	16.547	16.547	0.0	67	19152	8.60	
119 1,2,4-Trichlorobenzene	180	17.490	17.484	0.006	89	160378	10.2	
120 Hexachlorobutadiene	225	17.624	17.618	0.006	90	69993	9.81	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	17.800	17.800	0.0	97	357085	10.8	
122 1,2,3-Trichlorobenzene	180	18.092	18.092	0.0	94	153272	10.2	
S 123 1,2-Dichloroethene, Total	1				0		20.5	
S 124 1,3-Dichloropropene, Total	1				0		19.9	
S 125 Total BTEX	1				0		60.2	
S 126 Xylenes, Total	1				0		30.1	



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110517-3207.b\P2555.D
 Lims ID: ICIS 4 Client ID:
 Inject. Date: 17-May-2011 15:09:30 Dil. Factor: 1.0000
 Sample Type: ICIS Calib Level: 4
 Sample ID: ICIS 4
 Misc. Info.: 480-0003207-006 =480-0003207-006
 Operator: PJQ Instrument ID: HP5973P
 Vol. Injected: 1.0000 ALS Bottle#: 6
 Lims Batch ID: 16454 Lims Sample ID: 6
 Sublist: chrom-P-8260*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973P\20110517-3207.b\P-8260.m
 Last Update: 17-May-2011 17:42:38 Calib Date: 17-May-2011 15:59:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973P\20110517-3207.b\P2557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: cwiklinc

Date: 17-May-2011 17:42:38

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	8.121	8.121	0.0	93	598250	25.0	
* 2 Chlorobenzene-d5	82	11.899	11.899	0.0	55	272281	25.0	
* 3 1,4-Dichlorobenzene-d4	152	15.038	15.038	0.0	74	350014	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	7.677	7.677	0.0	69	119341	23.4	
\$ 5 Toluene-d8 (Surr)	98	9.946	9.946	0.0	93	668729	24.4	
\$ 6 4-Bromofluorobenzene (Surr)	174	13.511	13.511	0.0	96	284301	24.4	
10 Dichlorodifluoromethane	85	2.834	2.834	0.0	87	254217	25.0	
11 Chloromethane	50	3.041	3.041	0.0	88	192373	24.9	
17 Vinyl chloride	62	3.230	3.230	0.0	83	178338	25.3	
12 Bromomethane	94	3.662	3.662	0.0	89	72194	24.7	
13 Chloroethane	64	3.777	3.777	0.0	93	81547	25.7	
14 Trichlorofluoromethane	101	4.142	4.142	0.0	86	327043	26.3	M
22 Acrolein	56	4.629	4.629	0.0	94	533983	518.7	
16 1,1,2-Trichloro-1,2,2-trifluoroethane	101	4.696	4.696	0.0	72	188713	25.9	
25 1,1-Dichloroethene	96	4.733	4.733	0.0	86	209801	25.3	
24 Acetone	43	4.793	4.793	0.0	99	424522	123.7	
18 Iodomethane	142	4.958	4.958	0.0	97	316747	26.2	
27 Carbon disulfide	76	5.055	5.055	0.0	98	537669	26.9	
30 Methyl acetate	43	5.128	5.128	0.0	90	308326	25.3	
29 Acetonitrile	40	5.158	5.158	0.0	99	797138	996.0	
31 Methylene Chloride	84	5.304	5.304	0.0	88	237012	24.8	
32 Methyl tert-butyl ether	73	5.542	5.542	0.0	91	620265	26.7	
35 trans-1,2-Dichloroethene	96	5.584	5.584	0.0	95	221176	25.6	
34 Acrylonitrile	53	5.590	5.590	0.0	97	496793	129.2	
38 Vinyl acetate	43	6.053	6.053	0.0	97	2042426	137.9	
40 1,1-Dichloroethane	63	6.071	6.071	0.0	85	372346	25.4	
44 2-Butanone (MEK)	43	6.716	6.716	0.0	99	671549	129.5	
45 2,2-Dichloropropane	77	6.722	6.722	0.0	75	276841	26.1	
43 cis-1,2-Dichloroethene	96	6.728	6.728	0.0	69	239612	25.9	
50 Chlorobromomethane	128	7.026	7.026	0.0	78	124207	25.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
51 Tetrahydrofuran	42	7.056	7.056	0.0	88	428397	131.8	
49 Chloroform	83	7.081	7.081	0.0	70	372417	24.2	
52 1,1,1-Trichloroethane	97	7.294	7.294	0.0	89	306642	25.9	
54 Cyclohexane	56	7.336	7.336	0.0	93	310006	26.5	
56 1,1-Dichloropropene	75	7.464	7.464	0.0	94	275437	25.7	
55 Carbon tetrachloride	117	7.482	7.482	0.0	81	279549	25.5	
57 Benzene	78	7.726	7.726	0.0	83	794998	25.5	
60 1,2-Dichloroethane	62	7.774	7.774	0.0	79	318679	25.6	
62 Trichloroethene	95	8.462	8.462	0.0	93	217017	25.0	
64 Methylcyclohexane	83	8.663	8.663	0.0	93	275637	26.2	
63 1,2-Dichloropropane	63	8.766	8.766	0.0	90	203612	26.0	
69 Dibromomethane	93	8.948	8.948	0.0	83	152448	25.4	
70 Dichlorobromomethane	83	9.101	9.101	0.0	93	259841	26.2	
71 2-Chloroethyl vinyl ether	63	9.393	9.393	0.0	92	747152	137.8	
73 cis-1,3-Dichloropropene	75	9.624	9.624	0.0	90	316059	27.1	
75 4-Methyl-2-pentanone (MIBK)	43	9.764	9.764	0.0	97	1352800	133.6	
76 Toluene	92	10.031	10.031	0.0	98	511259	25.5	
78 trans-1,3-Dichloropropene	75	10.329	10.329	0.0	94	307750	27.0	
77 Ethyl methacrylate	69	10.329	10.329	0.0	86	286000	26.4	
79 1,1,2-Trichloroethane	83	10.597	10.597	0.0	87	169707	25.3	
80 Tetrachloroethene	166	10.749	10.749	0.0	92	266388	24.9	
82 1,3-Dichloropropane	76	10.822	10.822	0.0	97	330932	25.6	
83 2-Hexanone	43	10.840	10.840	0.0	98	996135	135.1	
81 Chlorodibromomethane	129	11.151	11.151	0.0	99	210647	23.2	
85 Ethylene Dibromide	107	11.327	11.327	0.0	98	224966	26.2	
87 Chlorobenzene	112	11.942	11.942	0.0	94	611251	25.4	
89 Ethylbenzene	91	12.027	12.027	0.0	98	960920	26.1	
88 1,1,1,2-Tetrachloroethane	131	12.039	12.039	0.0	89	212426	25.6	
90 m-Xylene & p-Xylene	106	12.179	12.179	0.0	98	734564	51.0	
93 o-Xylene	106	12.757	12.757	0.0	94	363999	26.6	
94 Styrene	104	12.781	12.781	0.0	94	626341	27.1	
92 Bromoform	173	13.134	13.134	0.0	98	170078	20.5	
95 Isopropylbenzene	105	13.231	13.231	0.0	96	909960	27.1	
97 1,1,2,2-Tetrachloroethane	83	13.718	13.718	0.0	75	302198	25.6	
100 Bromobenzene	156	13.742	13.742	0.0	56	306373	25.9	
98 trans-1,4-Dichloro-2-butene	53	13.773	13.773	0.0	87	412115	134.2	
101 1,2,3-Trichloropropane	110	13.791	13.791	0.0	70	88202	25.4	
99 N-Propylbenzene	91	13.791	13.791	0.0	96	1196207	26.5	
103 2-Chlorotoluene	126	13.967	13.967	0.0	92	247415	26.2	
102 1,3,5-Trimethylbenzene	105	14.010	14.010	0.0	68	774481	26.6	
105 4-Chlorotoluene	126	14.107	14.107	0.0	97	260109	26.3	
106 tert-Butylbenzene	134	14.454	14.454	0.0	90	167732	27.0	
107 1,2,4-Trimethylbenzene	105	14.521	14.521	0.0	97	794584	26.9	
109 sec-Butylbenzene	105	14.734	14.734	0.0	94	958181	26.8	
112 4-Isopropyltoluene	119	14.904	14.904	0.0	93	816768	27.2	
110 1,3-Dichlorobenzene	146	14.959	14.959	0.0	96	539206	25.3	
111 1,4-Dichlorobenzene	146	15.069	15.069	0.0	84	556274	25.2	
115 n-Butylbenzene	91	15.434	15.434	0.0	94	768580	27.0	
116 1,2-Dichlorobenzene	146	15.561	15.561	0.0	98	537080	25.8	
117 1,2-Dibromo-3-Chloropropane	75	16.547	16.547	0.0	82	54105	25.3	
119 1,2,4-Trichlorobenzene	180	17.484	17.484	0.0	90	435049	26.4	
120 Hexachlorobutadiene	225	17.618	17.618	0.0	91	181253	24.7	

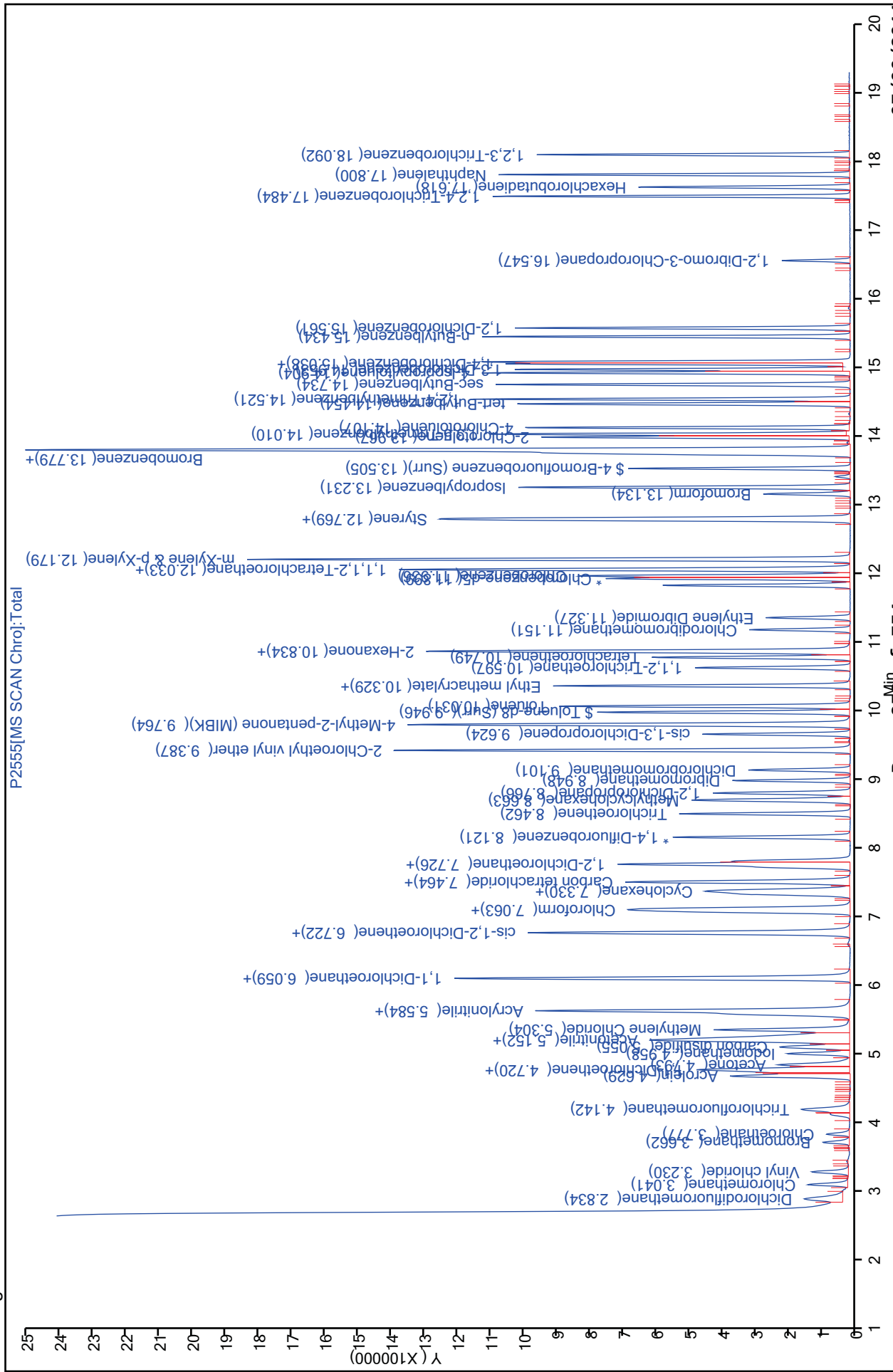
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	17.800	17.800	0.0	97	970491	28.5	
122 1,2,3-Trichlorobenzene	180	18.092	18.092	0.0	94	408827	26.6	
S 123 1,2-Dichloroethene, Total	1				0		51.4	
S 124 1,3-Dichloropropene, Total	1				0		54.1	
S 125 Total BTEX	1				0		154.6	
S 126 Xylenes, Total	1				0		77.6	

QC Flag Legend

Review Flags

M - Manually Integrated

Chrom Revision: 1.2 15-May-2011 04:23:02
Injection Date: 17-May-2011 15:09:30
Client ID: 16454
Lims Batch ID: PJQ
Operator ID: ZB-624
Limit Group: MV - 8260B ICAL
Instrument ID: HP5973P
Lims Sample ID: 6
Column Dia: 0.25 mm
Y Scaling:

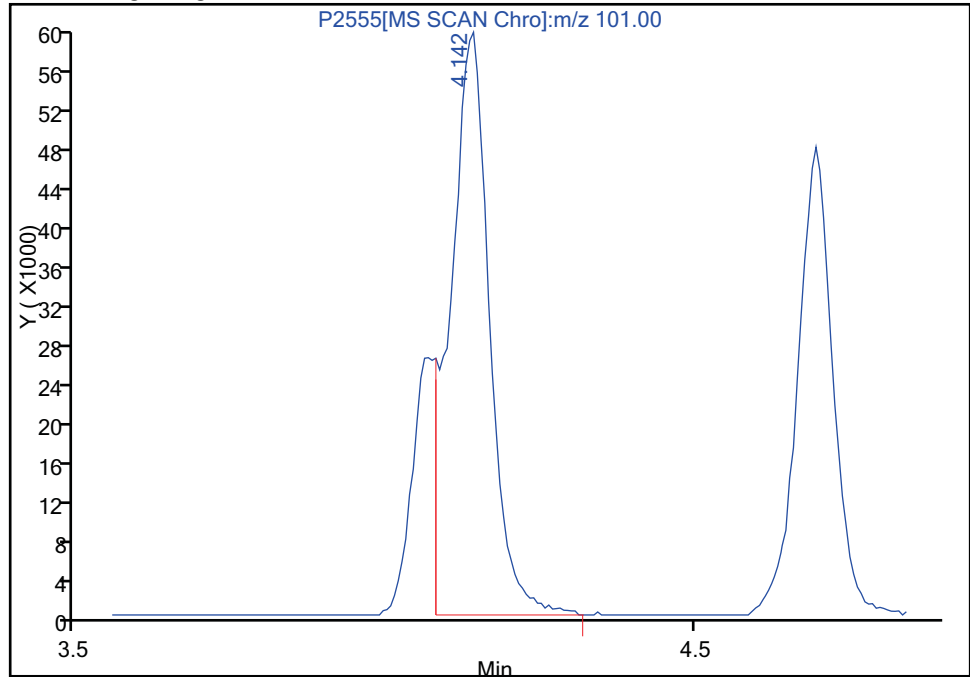


Data File: \\Bufchrom\ChromData\HP5973P\20110517-3207.b\P2555.D
Injection Date: 17-May-2011 15:09:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973P
Lims Batch ID: 16454 Lims Sample ID: 6
Operator ID: PJQ
Column Type: ZB-624 Column Dia: 0.25 mm

14 Trichlorofluoromethane, Signal: 1, m/z: 101.0 Type: quant, RT: 4.14

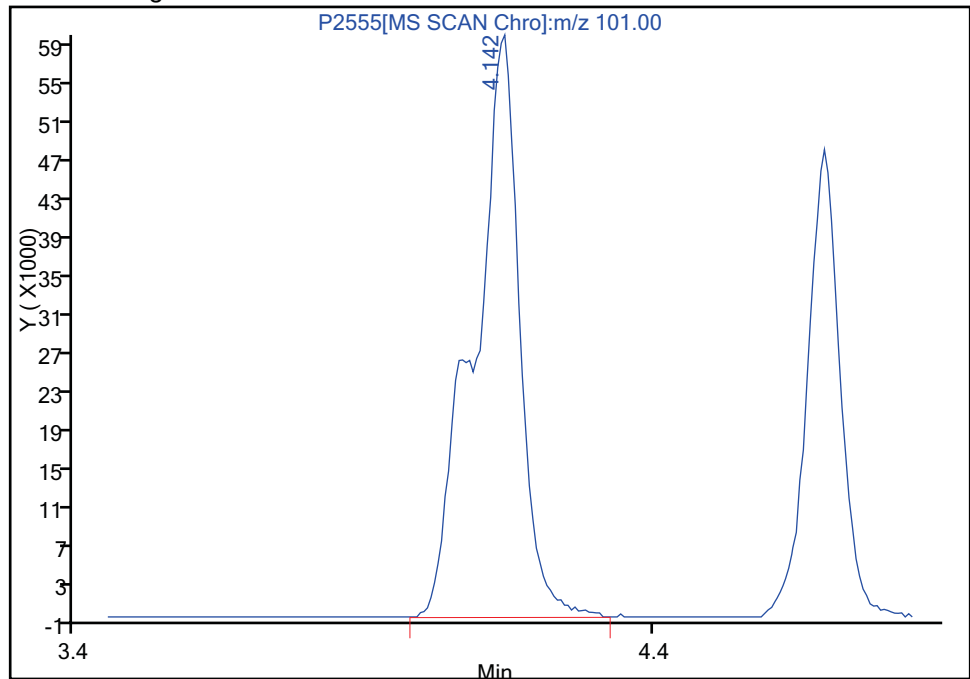
RT: 4.14
Response: 263902
Amount: 22.119709

Processing Integration Results



RT: 4.14
Response: 327043
Amount: 26.298604

Manual Integration Results



Reviewer: cwiklinc, 17-May-2011 17:42:38
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110517-3207.b\P2556.D
 Lims ID: IC 5 Client ID:
 Inject. Date: 17-May-2011 15:34:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: IC 5
 Misc. Info.: 480-0003207-007 =480-0003207-007
 Operator: PJQ Instrument ID: HP5973P
 Vol. Injected: 1.0000 ALS Bottle#: 7
 Lims Batch ID: 16454 Lims Sample ID: 7
 Sublist: chrom-P-8260*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973P\20110517-3207.b\P-8260.m
 Last Update: 17-May-2011 17:48:58 Calib Date: 17-May-2011 15:59:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973P\20110517-3207.b\P2557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: cwiklinc

Date: 17-May-2011 17:48:58

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	8.121	8.121	0.0	93	640440	25.0	
* 2 Chlorobenzene-d5	82	11.899	11.899	0.0	76	285571	25.0	
* 3 1,4-Dichlorobenzene-d4	152	15.038	15.038	0.0	64	372360	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	7.683	7.677	0.006	78	264440	48.4	
\$ 5 Toluene-d8 (Surr)	98	9.946	9.946	0.0	92	1435928	50.0	
\$ 6 4-Bromofluorobenzene (Surr)	174	13.511	13.511	0.0	97	632672	51.9	
10 Dichlorodifluoromethane	85	2.835	2.834	0.001	87	516059	47.5	
11 Chloromethane	50	3.054	3.041	0.013	89	385196	46.5	
17 Vinyl chloride	62	3.242	3.224	0.018	83	368817	47.8	
12 Bromomethane	94	3.668	3.662	0.006	90	156614	50.1	
13 Chloroethane	64	3.784	3.777	0.007	94	158197	46.6	
14 Trichlorofluoromethane	101	4.143	4.143	0.0	86	679559	49.2	M
22 Acrolein	56	4.629	4.629	0.0	95	1096966	995.4	
16 1,1,2-Trichloro-1,2,2-trifluoroethane	101	4.702	4.696	0.006	72	388063	49.7	
25 1,1-Dichloroethene	96	4.733	4.733	0.0	90	434661	48.9	
24 Acetone	43	4.794	4.793	0.001	97	878411	239.0	
18 Iodomethane	142	4.964	4.958	0.006	98	657773	50.7	
27 Carbon disulfide	76	5.061	5.055	0.006	98	1141881	53.3	
30 Methyl acetate	43	5.134	5.128	0.006	92	642858	49.4	
29 Acetonitrile	40	5.159	5.158	0.001	94	1618138	1888.7	
31 Methylene Chloride	84	5.311	5.304	0.007	88	475430	46.5	
32 Methyl tert-butyl ether	73	5.542	5.542	0.0	90	1296028	52.2	
35 trans-1,2-Dichloroethene	96	5.584	5.584	0.0	95	457962	49.4	
34 Acrylonitrile	53	5.590	5.590	0.0	97	1010802	245.5	
38 Vinyl acetate	43	6.053	6.053	0.0	98	4016814	253.3	
40 1,1-Dichloroethane	63	6.071	6.071	0.0	85	768143	48.9	
44 2-Butanone (MEK)	43	6.716	6.716	0.0	99	1360303	245.0	
45 2,2-Dichloropropane	77	6.722	6.728	-0.006	83	574454	50.5	
43 cis-1,2-Dichloroethene	96	6.734	6.728	0.006	70	499569	50.4	
50 Chlorobromomethane	128	7.026	7.026	0.0	77	265473	50.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
51 Tetrahydrofuran	42	7.057	7.056	0.001	87	873355	250.9	
49 Chloroform	83	7.081	7.081	0.0	69	785051	47.7	
52 1,1,1-Trichloroethane	97	7.294	7.294	0.0	89	659674	52.1	
54 Cyclohexane	56	7.336	7.336	0.0	92	648178	51.7	
56 1,1-Dichloropropene	75	7.464	7.464	0.0	94	583367	50.9	
55 Carbon tetrachloride	117	7.476	7.482	-0.006	82	609694	53.2	
57 Benzene	78	7.726	7.726	0.0	81	1647909	49.3	
60 1,2-Dichloroethane	62	7.774	7.774	0.0	91	654753	49.1	
62 Trichloroethene	95	8.462	8.462	0.0	93	469917	50.5	
64 Methylcyclohexane	83	8.663	8.663	0.0	92	586714	52.2	
63 1,2-Dichloropropane	63	8.766	8.766	0.0	91	427734	50.9	
69 Dibromomethane	93	8.949	8.948	0.001	82	323437	50.4	
70 Dichlorobromomethane	83	9.101	9.101	0.0	93	568719	53.7	
71 2-Chloroethyl vinyl ether	63	9.393	9.393	0.0	92	1525692	262.8	
73 cis-1,3-Dichloropropene	75	9.624	9.624	0.0	90	686747	55.0	
75 4-Methyl-2-pentanone (MIBK)	43	9.764	9.764	0.0	97	2664310	250.8	
76 Toluene	92	10.038	10.031	0.007	99	1075945	51.2	
78 trans-1,3-Dichloropropene	75	10.330	10.329	0.001	94	667476	55.9	
77 Ethyl methacrylate	69	10.336	10.335	0.001	85	622288	51.5	
79 1,1,2-Trichloroethane	83	10.597	10.597	0.0	86	360821	51.3	
80 Tetrachloroethene	166	10.749	10.749	0.0	92	566569	50.5	
82 1,3-Dichloropropane	76	10.822	10.822	0.0	94	685664	50.6	
83 2-Hexanone	43	10.841	10.840	0.001	97	1991356	257.5	
81 Chlorodibromomethane	129	11.151	11.151	0.0	100	479442	50.3	
85 Ethylene Dibromide	107	11.327	11.327	0.0	99	480513	53.3	
87 Chlorobenzene	112	11.942	11.942	0.0	94	1274405	50.4	
89 Ethylbenzene	91	12.027	12.027	0.0	98	1967185	50.9	
88 1,1,1,2-Tetrachloroethane	131	12.039	12.039	0.0	89	462470	54.3	
90 m-Xylene & p-Xylene	106	12.179	12.179	0.0	97	1537073	101.8	
93 o-Xylene	106	12.757	12.757	0.0	94	770376	53.6	
94 Styrene	104	12.781	12.781	0.0	94	1325425	54.8	
92 Bromoform	173	13.134	13.134	0.0	98	410000	47.1	
95 Isopropylbenzene	105	13.231	13.231	0.0	96	1885246	52.9	
97 1,1,2,2-Tetrachloroethane	83	13.718	13.718	0.0	79	630219	50.2	
100 Bromobenzene	156	13.742	13.742	0.0	75	648707	51.5	
98 trans-1,4-Dichloro-2-butene	53	13.773	13.773	0.0	89	833961	255.3	
101 1,2,3-Trichloropropane	110	13.791	13.791	0.0	66	182614	49.4	
99 N-Propylbenzene	91	13.791	13.791	0.0	95	2398372	50.0	
103 2-Chlorotoluene	126	13.968	13.967	0.001	93	524752	52.3	
102 1,3,5-Trimethylbenzene	105	14.010	14.010	0.0	69	1598687	51.7	
105 4-Chlorotoluene	126	14.107	14.107	0.0	97	549834	52.2	
106 tert-Butylbenzene	134	14.454	14.454	0.0	91	362778	54.9	
107 1,2,4-Trimethylbenzene	105	14.521	14.521	0.0	96	1643355	52.4	
109 sec-Butylbenzene	105	14.734	14.734	0.0	95	1989908	52.3	
112 4-Isopropyltoluene	119	14.904	14.904	0.0	88	1703974	53.4	
110 1,3-Dichlorobenzene	146	14.959	14.959	0.0	96	1126215	49.6	
111 1,4-Dichlorobenzene	146	15.069	15.069	0.0	84	1152635	49.1	
115 n-Butylbenzene	91	15.434	15.434	0.0	94	1583382	52.2	
116 1,2-Dichlorobenzene	146	15.561	15.561	0.0	97	1115288	50.4	
117 1,2-Dibromo-3-Chloropropane	75	16.547	16.547	0.0	87	124783	50.1	
119 1,2,4-Trichlorobenzene	180	17.484	17.484	0.0	90	942381	53.7	
120 Hexachlorobutadiene	225	17.624	17.618	0.006	91	395121	50.3	

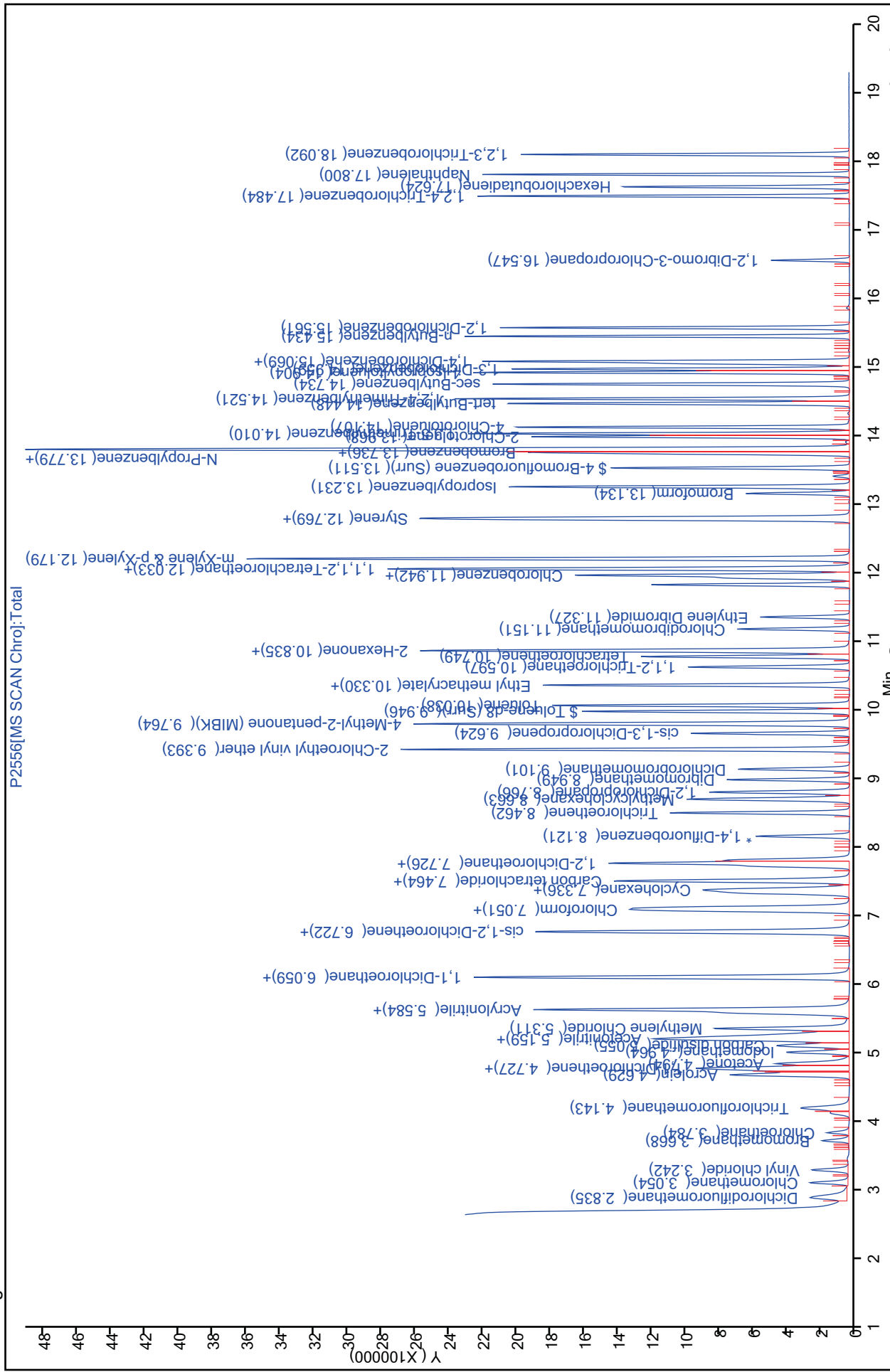
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	17.800	17.800	0.0	97	2023601	55.6	
122 1,2,3-Trichlorobenzene	180	18.092	18.092	0.0	92	875581	53.1	
S 123 1,2-Dichloroethene, Total	1				0		99.8	
S 124 1,3-Dichloropropene, Total	1				0		110.8	
S 125 Total BTEX	1				0		306.7	
S 126 Xylenes, Total	1				0		155.4	

QC Flag Legend

Review Flags

M - Manually Integrated

Injection Date: 17-May-2011 15:34:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973P
Lims Batch ID: 16454 Lims Sample ID: 7
Operator ID: PJQ
Column Type: ZB-624
Column Dia: 0.25 mm
Y Scaling:

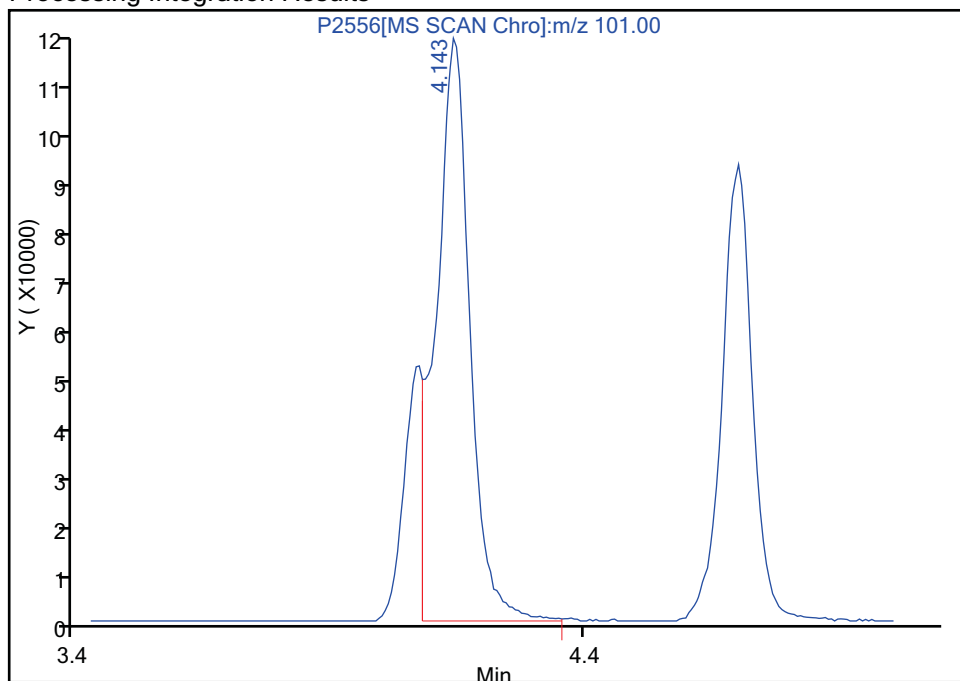


Data File: \\Bufchrom\ChromData\HP5973P\20110517-3207.b\P2556.D
Injection Date: 17-May-2011 15:34:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973P
Lims Batch ID: 16454 Lims Sample ID: 7
Operator ID: PJQ
Column Type: ZB-624 Column Dia: 0.25 mm

14 Trichlorofluoromethane, Signal: 1, m/z: 101.0 Type: quant, RT: 4.14

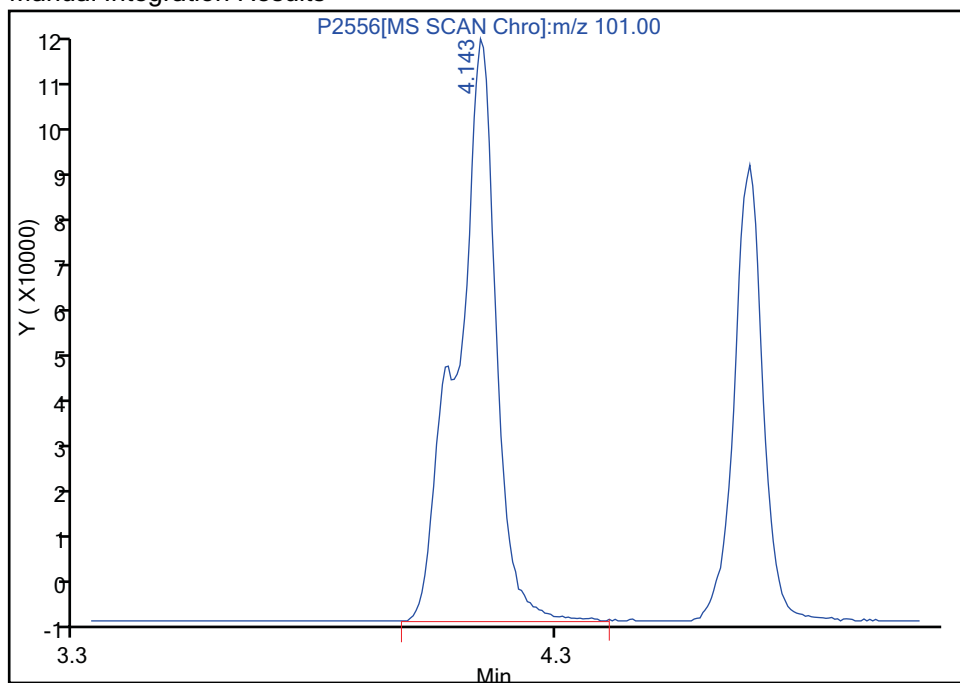
RT: 4.14
Response: 558984
Amount: 41.647063

Processing Integration Results



RT: 4.14
Response: 679559
Amount: 49.158456

Manual Integration Results



Reviewer: cwklinc, 17-May-2011 17:48:58
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110517-3207.b\P2557.D
 Lims ID: IC 6 Client ID:
 Inject. Date: 17-May-2011 15:59:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: IC 6
 Misc. Info.: 480-0003207-008 =480-0003207-008
 Operator: PJQ Instrument ID: HP5973P
 Vol. Injected: 1.0000 ALS Bottle#: 8
 Lims Batch ID: 16454 Lims Sample ID: 8
 Sublist: chrom-P-8260*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973P\20110517-3207.b\P-8260.m
 Last Update: 17-May-2011 17:49:26 Calib Date: 17-May-2011 15:59:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973P\20110517-3207.b\P2557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

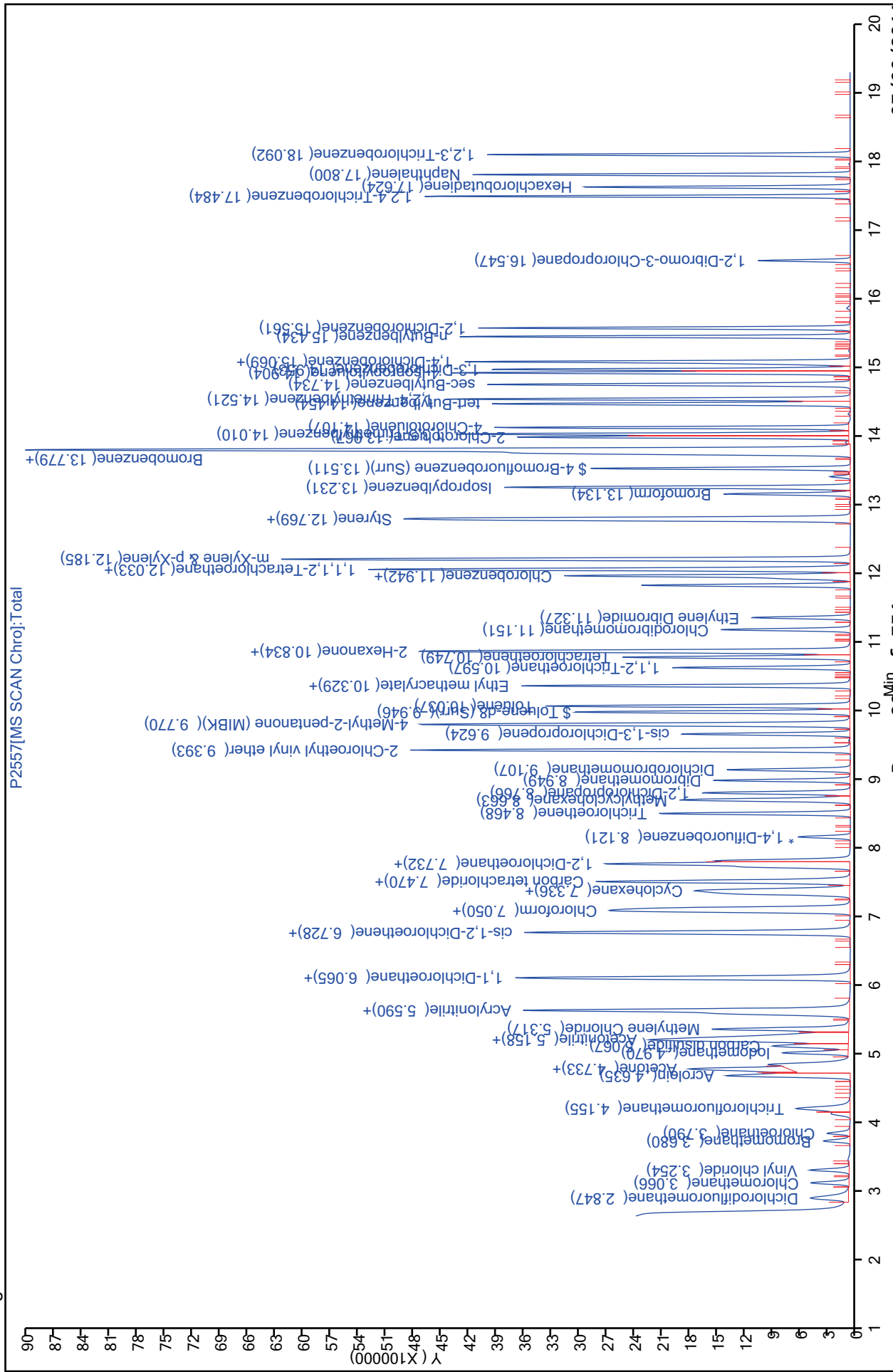
First Level Reviewer: cwiklinc

Date: 17-May-2011 17:49:26

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	8.127	8.121	0.006	46	664949	25.0	
* 2 Chlorobenzene-d5	82	11.899	11.899	0.0	67	293208	25.0	
* 3 1,4-Dichlorobenzene-d4	152	15.038	15.038	0.0	61	387843	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	7.683	7.677	0.006	100	529802	93.4	
\$ 5 Toluene-d8 (Surr)	98	9.946	9.946	0.0	92	2760570	93.7	
\$ 6 4-Bromofluorobenzene (Surr)	174	13.511	13.511	0.0	96	1284448	102.5	
10 Dichlorodifluoromethane	85	2.847	2.834	0.013	88	1029010	91.2	
11 Chloromethane	50	3.066	3.041	0.025	88	756125	87.9	
17 Vinyl chloride	62	3.254	3.224	0.030	84	731994	91.4	
12 Bromomethane	94	3.680	3.662	0.018	91	314849	97.0	
13 Chloroethane	64	3.796	3.777	0.019	94	326015	92.5	
14 Trichlorofluoromethane	101	4.155	4.143	0.012	86	1358200	94.6	
22 Acrolein	56	4.635	4.629	0.006	95	2207192	1928.9	
16 1,1,2-Trichloro-1,2,2-trifluoroethane	101	4.708	4.696	0.012	71	771394	95.2	
25 1,1-Dichloroethene	96	4.739	4.733	0.006	89	868545	94.1	
24 Acetone	43	4.800	4.793	0.007	97	1760926	461.5	
18 Iodomethane	142	4.970	4.958	0.012	98	1330181	98.8	
27 Carbon disulfide	76	5.067	5.055	0.012	98	2284298	102.7	
30 Methyl acetate	43	5.134	5.128	0.006	90	1262785	93.4	
29 Acetonitrile	40	5.165	5.158	0.007	94	3155626	3547.5	
31 Methylene Chloride	84	5.317	5.304	0.013	87	946310	89.1	
32 Methyl tert-butyl ether	73	5.548	5.542	0.006	89	2617523	101.5	
35 trans-1,2-Dichloroethene	96	5.584	5.584	0.0	96	885363	92.0	
34 Acrylonitrile	53	5.596	5.590	0.006	97	1988955	465.3	
38 Vinyl acetate	43	6.059	6.053	0.006	98	6639194	403.2	
40 1,1-Dichloroethane	63	6.077	6.071	0.006	85	1462109	89.7	
44 2-Butanone (MEK)	43	6.716	6.716	0.0	100	2652778	460.2	
45 2,2-Dichloropropane	77	6.722	6.728	-0.006	81	1127414	95.5	
43 cis-1,2-Dichloroethene	96	6.734	6.728	0.006	69	973733	94.5	
50 Chlorobromomethane	128	7.032	7.026	0.006	77	525728	96.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
51 Tetrahydrofuran	42	7.057	7.056	0.001	85	1719411	475.8	
49 Chloroform	83	7.087	7.081	0.006	69	1510959	88.4	
52 1,1,1-Trichloroethane	97	7.294	7.294	0.0	89	1323313	100.7	
54 Cyclohexane	56	7.342	7.336	0.006	91	1287943	99.0	
56 1,1-Dichloropropene	75	7.464	7.464	0.0	93	1139225	95.7	
55 Carbon tetrachloride	117	7.482	7.482	0.0	80	1260307	106.0	
57 Benzene	78	7.732	7.726	0.006	84	3091984	89.1	
60 1,2-Dichloroethane	62	7.774	7.774	0.0	80	1282465	92.6	
62 Trichloroethene	95	8.468	8.462	0.006	93	926566	96.0	
64 Methylcyclohexane	83	8.663	8.663	0.0	92	1187661	101.7	
63 1,2-Dichloropropane	63	8.766	8.766	0.0	91	846412	97.1	
69 Dibromomethane	93	8.949	8.948	0.001	82	659257	98.9	
70 Dichlorobromomethane	83	9.107	9.101	0.006	93	1153711	104.8	
71 2-Chloroethyl vinyl ether	63	9.393	9.393	0.0	93	2825725	468.7	
73 cis-1,3-Dichloropropene	75	9.630	9.624	0.006	91	1394806	107.5	
75 4-Methyl-2-pentanone (MIBK)	43	9.770	9.764	0.006	93	4750233	435.6	
76 Toluene	92	10.037	10.031	0.006	98	2094922	97.0	
78 trans-1,3-Dichloropropene	75	10.329	10.329	0.0	91	1332234	108.6	
77 Ethyl methacrylate	69	10.336	10.335	0.001	88	1255955	101.2	
79 1,1,2-Trichloroethane	83	10.597	10.597	0.0	86	723132	100.1	
80 Tetrachloroethene	166	10.749	10.749	0.0	91	1149230	99.7	
82 1,3-Dichloropropane	76	10.822	10.822	0.0	97	1327227	95.4	
83 2-Hexanone	43	10.841	10.840	0.0	93	3613599	455.2	
81 Chlorodibromomethane	129	11.151	11.151	0.0	100	1027051	104.9	
85 Ethylene Dibromide	107	11.327	11.327	0.0	99	978634	105.8	
87 Chlorobenzene	112	11.942	11.942	0.0	93	2457431	94.6	
89 Ethylbenzene	91	12.027	12.027	0.0	98	3599992	90.6	
88 1,1,1,2-Tetrachloroethane	131	12.045	12.039	0.006	88	947426	108.3	
90 m-Xylene & p-Xylene	106	12.185	12.179	0.006	93	2905321	187.3	
93 o-Xylene	106	12.757	12.757	0.0	93	1521588	103.1	
94 Styrene	104	12.781	12.781	0.0	93	2551066	102.7	
92 Bromoform	173	13.134	13.134	0.0	98	920837	103.0	
95 Isopropylbenzene	105	13.231	13.231	0.0	96	3551903	95.6	
97 1,1,2,2-Tetrachloroethane	83	13.718	13.718	0.0	75	1262674	96.6	
100 Bromobenzene	156	13.742	13.742	0.0	68	1297472	98.9	
98 trans-1,4-Dichloro-2-butene	53	13.773	13.773	0.0	90	1562472	459.2	
101 1,2,3-Trichloropropane	110	13.791	13.791	0.0	70	361308	93.8	
99 N-Propylbenzene	91	13.791	13.791	0.0	94	4192846	83.9	
103 2-Chlorotoluene	126	13.967	13.967	0.0	93	1046315	100.1	
102 1,3,5-Trimethylbenzene	105	14.010	14.010	0.0	87	3033489	94.1	
105 4-Chlorotoluene	126	14.107	14.107	0.0	96	1091444	99.5	
106 tert-Butylbenzene	134	14.454	14.454	0.0	86	741530	107.8	
107 1,2,4-Trimethylbenzene	105	14.521	14.521	0.0	96	3093413	94.6	
109 sec-Butylbenzene	105	14.734	14.734	0.0	95	3735890	94.3	
112 4-Isopropyltoluene	119	14.904	14.904	0.0	86	3258835	98.0	
110 1,3-Dichlorobenzene	146	14.959	14.959	0.0	96	2201215	93.1	
111 1,4-Dichlorobenzene	146	15.069	15.069	0.0	85	2253434	92.1	
115 n-Butylbenzene	91	15.434	15.434	0.0	92	3016874	95.5	
116 1,2-Dichlorobenzene	146	15.561	15.561	0.0	96	2187598	94.9	
117 1,2-Dibromo-3-Chloropropane	75	16.547	16.547	0.0	90	272198	104.9	
119 1,2,4-Trichlorobenzene	180	17.484	17.484	0.0	90	1919604	105.0	
120 Hexachlorobutadiene	225	17.624	17.618	0.006	91	848608	104.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	17.800	17.800	0.0	98	3809408	100.8	
122 1,2,3-Trichlorobenzene	180	18.092	18.092	0.0	92	1806168	105.6	
S 123 1,2-Dichloroethene, Total	1				0		186.6	
S 124 1,3-Dichloropropene, Total	1				0		216.1	
S 125 Total BTEX	1				0		567.2	
S 126 Xylenes, Total	1				0		290.4	



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.: _____

Lab Sample ID: CCVIS 480-17553/2 Calibration Date: 05/25/2011 22:05

Instrument ID: HP5973N Calib Start Date: 05/18/2011 13:51

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 05/18/2011 16:42

Lab File ID: N7886.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	0.2771	0.2538		22.9	25.0	-8.4	50.0
Chloromethane	Ave	0.3132	0.3217	0.1000	25.7	25.0	2.7	50.0
Vinyl chloride	Ave	0.3444	0.3350		24.3	25.0	-2.7	20.0
Bromomethane	Ave	0.2123	0.2088		24.6	25.0	-1.7	50.0
Chloroethane	Ave	0.1958	0.2077		26.5	25.0	6.1	50.0
Trichlorofluoromethane	Ave	0.3179	0.3074		24.2	25.0	-3.3	50.0
Acrolein	Ave	0.0220	0.0245		556	500	11.3	50.0
1,1-Dichloroethene	Ave	0.3034	0.2806	0.1000	23.1	25.0	-7.5	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2301	0.2295		24.9	25.0	-0.3	50.0
Acetone	Ave	0.0650	0.0670		129	125	3.0	50.0
Iodomethane	Ave	0.3239	0.3254		25.1	25.0	0.5	50.0
Carbon disulfide	Ave	0.6985	0.6956		24.9	25.0	-0.4	50.0
Acetonitrile	Lin1F		0.0147		1030	1000	3.2	50.0
Methyl acetate	Ave	0.2443	0.2618		26.8	25.0	7.1	50.0
Methylene Chloride	Ave	0.3230	0.3163		24.5	25.0	-2.1	50.0
trans-1,2-Dichloroethene	Ave	0.3077	0.3001		24.4	25.0	-2.5	50.0
Methyl tert-butyl ether	Ave	0.8254	0.8152		24.7	25.0	-1.2	50.0
Acrylonitrile	Ave	0.0799	0.0858		134	125	7.4	50.0
1,1-Dichloroethane	Ave	0.5187	0.5105		24.6	25.0	-1.6	50.0
Vinyl acetate	Ave	0.3630	0.4326		149	125	19.2	50.0
2,2-Dichloropropane	Lin1F		0.2620		23.8	25.0	-4.8	50.0
cis-1,2-Dichloroethene	Ave	0.3321	0.3261		24.6	25.0	-1.8	50.0
2-Butanone (MEK)	Ave	0.1054	0.1089		129	125	3.3	50.0
Bromochloromethane	Ave	0.1454	0.1489		25.6	25.0	2.4	50.0
Tetrahydrofuran	Ave	0.0667	0.0727		136	125	9.0	50.0
Chloroform	Ave	0.5400	0.5273		24.4	25.0	-2.4	20.0
1,1,1-Trichloroethane	Ave	0.3334	0.3406		25.5	25.0	2.2	50.0
Cyclohexane	Ave	0.4143	0.4341		26.2	25.0	4.8	50.0
Carbon tetrachloride	Ave	0.2916	0.3192		27.4	25.0	9.5	50.0
1,1-Dichloropropene	Ave	0.4403	0.4295		24.4	25.0	-2.5	50.0
Benzene	Ave	1.336	1.293		24.2	25.0	-3.2	50.0
1,2-Dichloroethane	Ave	0.3663	0.3775		25.8	25.0	3.1	50.0
Trichloroethene	Ave	0.3098	0.3013		24.3	25.0	-2.7	50.0
Methylcyclohexane	Ave	0.4910	0.5183		26.4	25.0	5.5	50.0
1,2-Dichloropropane	Ave	0.2973	0.2909		24.5	25.0	-2.1	20.0
Dibromomethane	Ave	0.1653	0.1661		25.1	25.0	0.4	50.0
Bromodichloromethane	Ave	0.3619	0.3778		26.1	25.0	4.4	50.0
2-Chloroethyl vinyl ether	Ave	0.1733	0.1683		121	125	-2.9	50.0
cis-1,3-Dichloropropene	Ave	0.4409	0.4555		25.8	25.0	3.3	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2430	0.2642		136	125	8.7	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.: _____

Lab Sample ID: CCVIS 480-17553/2 Calibration Date: 05/25/2011 22:05

Instrument ID: HP5973N Calib Start Date: 05/18/2011 13:51

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 05/18/2011 16:42

Lab File ID: N7886.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	0.9259	0.9097		24.6	25.0	-1.7	20.0
trans-1,3-Dichloropropene	Lin1F		0.4232		23.6	25.0	-5.6	50.0
Ethyl methacrylate	Lin1F		0.4170		24.0	25.0	-4.0	50.0
1,1,2-Trichloroethane	Ave	0.2467	0.2488		25.2	25.0	0.9	50.0
Tetrachloroethene	Ave	0.3770	0.3608		23.9	25.0	-4.3	50.0
1,3-Dichloropropane	Ave	0.5205	0.5270		25.3	25.0	1.2	50.0
2-Hexanone	Ave	0.1673	0.1828		137	125	9.3	50.0
Dibromochloromethane	Ave	0.2676	0.2922		27.3	25.0	9.2	50.0
1,2-Dibromoethane	Ave	0.2704	0.2768		25.6	25.0	2.4	50.0
Chlorobenzene	Ave	0.9837	0.9711	0.3000	24.7	25.0	-1.3	50.0
1,1,1,2-Tetrachloroethane	Ave	0.2722	0.2982		27.4	25.0	9.5	50.0
Ethylbenzene	Ave	1.716	1.710		24.9	25.0	-0.3	20.0
m-Xylene & p-Xylene	Ave	0.6714	0.6615		49.3	50.0	-1.5	50.0
o-Xylene	Ave	0.6357	0.6325		24.9	25.0	-0.5	50.0
Styrene	Ave	1.093	1.109		25.4	25.0	1.5	50.0
Bromoform	LinF		0.1622	0.1000	22.0	25.0	-12.0	50.0
Isopropylbenzene	Ave	2.963	2.928		24.7	25.0	-1.2	50.0
Bromobenzene	Ave	0.7222	0.7148		24.7	25.0	-1.0	50.0
1,1,2,2-Tetrachloroethane	Ave	0.6570	0.6524	0.3000	24.8	25.0	-0.7	50.0
1,2,3-Trichloropropane	Ave	0.1851	0.1893		25.6	25.0	2.3	50.0
N-Propylbenzene	Ave	3.646	3.633		24.9	25.0	-0.4	50.0
trans-1,4-Dichloro-2-butene	Lin1F		0.1228		111	125	-11.2	50.0
2-Chlorotoluene	Ave	0.6840	0.6825		24.9	25.0	-0.2	50.0
1,3,5-Trimethylbenzene	Ave	2.438	2.456		25.2	25.0	0.7	50.0
4-Chlorotoluene	Ave	2.495	2.502		25.1	25.0	0.3	50.0
tert-Butylbenzene	Ave	0.5418	0.5273		24.3	25.0	-2.7	50.0
1,2,4-Trimethylbenzene	Ave	2.469	2.502		25.3	25.0	1.3	50.0
sec-Butylbenzene	Ave	3.204	3.138		24.5	25.0	-2.1	50.0
1,3-Dichlorobenzene	Ave	1.439	1.400		24.3	25.0	-2.7	50.0
4-Isopropyltoluene	Ave	2.605	2.590		24.9	25.0	-0.6	50.0
1,4-Dichlorobenzene	Ave	1.510	1.472		24.4	25.0	-2.5	50.0
n-Butylbenzene	Ave	2.514	2.494		24.8	25.0	-0.8	50.0
1,2-Dichlorobenzene	Ave	1.362	1.338		24.6	25.0	-1.8	50.0
1,2-Dibromo-3-Chloropropane	Lin1F		0.0920		23.4	25.0	-6.4	50.0
1,2,4-Trichlorobenzene	Ave	0.9197	0.8248		22.4	25.0	-10.3	50.0
Hexachlorobutadiene	Ave	0.5280	0.4177		19.8	25.0	-20.9	50.0
Naphthalene	Ave	1.808	1.680		23.2	25.0	-7.1	50.0
1,2,3-Trichlorobenzene	Ave	0.7774	0.6711		21.6	25.0	-13.7	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3221	0.3335		25.9	25.0	3.5	50.0
Toluene-d8 (Surr)	Ave	1.287	1.381		26.8	25.0	7.3	50.0
4-Bromofluorobenzene (Surr)	Ave	0.4044	0.4048		25.0	25.0	0.1	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20110525-3464.b\N7886.D
 Lims ID: ccvis Client ID:
 Inject. Date: 25-May-2011 22:05:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: CCVIS
 Misc. Info.: 480-0003464-002
 Operator: NMD Instrument ID: HP5973N
 Vol. Injected: 1.0000 ALS Bottle#: 1
 Lims Batch ID: 17553 Lims Sample ID: 2
 Sublist: chrom-N-8260*sub7
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20110525-3464.b\N-8260.m
 Last Update: 25-May-2011 22:48:21 Calib Date: 18-May-2011 16:42:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20110518-3245.b\N7574.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: diasn

Date: 25-May-2011 22:48:21

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.616	4.616	0.0	90	466026	25.0	
* 2 Chlorobenzene-d5	117	7.414	7.414	0.0	62	408372	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.878	9.878	0.0	50	226861	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.226	4.226	0.0	0	155421	25.9	
\$ 6 Toluene-d8 (Surr)	98	5.966	5.966	0.0	81	563775	26.8	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.661	8.661	0.0	88	165322	25.0	
11 Dichlorodifluoromethane	85	1.002	1.002	0.0	86	118271	22.9	
13 Chloromethane	50	1.081	1.081	0.0	88	149917	25.7	
14 Vinyl chloride	62	1.160	1.160	0.0	83	156104	24.3	
15 Bromomethane	94	1.355	1.355	0.0	90	97291	24.6	
16 Chloroethane	64	1.416	1.416	0.0	93	96798	26.5	
18 Trichlorofluoromethane	101	1.616	1.616	0.0	82	143276	24.2	
20 Acrolein	56	1.927	1.927	0.0	89	228483	556.4	
22 1,1-Dichloroethene	96	1.981	1.981	0.0	86	130777	23.1	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	1.994	1.994	0.0	83	106943	24.9	
23 Acetone	43	2.060	2.060	0.0	95	156042	128.7	
24 Iodomethane	142	2.103	2.103	0.0	97	151645	25.1	
25 Carbon disulfide	76	2.158	2.158	0.0	98	324164	24.9	
28 Methyl acetate	43	2.316	2.316	0.0	66	121982	26.8	
29 Acetonitrile	40	2.316	2.316	0.0	99	274490	1032.3	
30 Methylene Chloride	84	2.413	2.413	0.0	77	147412	24.5	
33 trans-1,2-Dichloroethene	96	2.602	2.602	0.0	92	139848	24.4	
32 Methyl tert-butyl ether	73	2.608	2.608	0.0	88	379907	24.7	
34 Acrylonitrile	53	2.644	2.644	0.0	98	199956	134.3	
36 1,1-Dichloroethane	63	2.979	2.979	0.0	85	237919	24.6	
39 Vinyl acetate	43	3.034	3.034	0.0	97	1007979	149.0	
42 2,2-Dichloropropane	77	3.478	3.478	0.0	45	122084	23.8	
43 cis-1,2-Dichloroethene	96	3.490	3.490	0.0	69	151980	24.6	
44 2-Butanone (MEK)	43	3.539	3.539	0.0	95	253739	129.2	
47 Chlorobromomethane	128	3.709	3.709	0.0	87	69399	25.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	3.740	3.740	0.0	83	169421	136.2	
50 Chloroform	83	3.794	3.794	0.0	76	245726	24.4	
51 1,1,1-Trichloroethane	97	3.898	3.898	0.0	94	158722	25.5	
52 Cyclohexane	56	3.916	3.916	0.0	88	202315	26.2	
53 Carbon tetrachloride	117	4.032	4.032	0.0	71	148756	27.4	
54 1,1-Dichloropropene	75	4.044	4.044	0.0	96	200162	24.4	
55 Benzene	78	4.226	4.226	0.0	96	602704	24.2	
57 1,2-Dichloroethane	62	4.293	4.293	0.0	97	175906	25.8	
60 Trichloroethene	95	4.828	4.828	0.0	92	140404	24.3	
62 Methylcyclohexane	83	4.944	4.944	0.0	86	241520	26.4	
63 1,2-Dichloropropane	63	5.054	5.054	0.0	93	135573	24.5	
64 Dibromomethane	93	5.181	5.181	0.0	87	77384	25.1	
67 Dichlorobromomethane	83	5.346	5.346	0.0	88	176063	26.1	
69 2-Chloroethyl vinyl ether	63	5.638	5.638	0.0	92	392150	121.4	
71 cis-1,3-Dichloropropene	75	5.753	5.753	0.0	88	212294	25.8	
72 4-Methyl-2-pentanone (MIBK)	43	5.911	5.911	0.0	96	539494	135.9	
73 Toluene	92	6.027	6.027	0.0	91	371503	24.6	
75 trans-1,3-Dichloropropene	75	6.319	6.319	0.0	93	172810	23.6	
77 Ethyl methacrylate	69	6.392	6.392	0.0	87	170291	24.0	
78 1,1,2-Trichloroethane	83	6.495	6.495	0.0	85	101602	25.2	
79 Tetrachloroethene	166	6.550	6.550	0.0	92	147353	23.9	
80 1,3-Dichloropropane	76	6.647	6.647	0.0	84	215199	25.3	
82 2-Hexanone	43	6.745	6.745	0.0	95	373317	136.6	
83 Chlorodibromomethane	129	6.873	6.873	0.0	86	119335	27.3	
84 Ethylene Dibromide	107	6.958	6.958	0.0	97	113030	25.6	
85 Chlorobenzene	112	7.444	7.444	0.0	85	396571	24.7	
89 1,1,1,2-Tetrachloroethane	131	7.548	7.548	0.0	36	121768	27.4	
88 Ethylbenzene	91	7.548	7.548	0.0	98	698465	24.9	
90 m-Xylene & p-Xylene	106	7.670	7.670	0.0	99	540281	49.3	
91 o-Xylene	106	8.083	8.083	0.0	79	258292	24.9	
92 Styrene	104	8.114	8.114	0.0	90	453021	25.4	
93 Bromoform	173	8.339	8.339	0.0	93	66250	22.0	
95 Isopropylbenzene	105	8.473	8.473	0.0	96	664199	24.7	
97 Bromobenzene	156	8.795	8.795	0.0	93	162162	24.7	
98 1,1,2,2-Tetrachloroethane	83	8.892	8.892	0.0	87	148010	24.8	
99 1,2,3-Trichloropropane	110	8.911	8.911	0.0	80	42936	25.6	
100 N-Propylbenzene	91	8.917	8.917	0.0	88	824119	24.9	
101 trans-1,4-Dichloro-2-butene	53	8.941	8.941	0.0	90	139302	111.0	
102 2-Chlorotoluene	126	9.008	9.008	0.0	95	154835	24.9	
104 1,3,5-Trimethylbenzene	105	9.117	9.117	0.0	90	557221	25.2	
105 4-Chlorotoluene	91	9.130	9.130	0.0	99	567560	25.1	
106 tert-Butylbenzene	134	9.452	9.452	0.0	90	119625	24.3	
108 1,2,4-Trimethylbenzene	105	9.513	9.513	0.0	91	567619	25.3	
109 sec-Butylbenzene	105	9.683	9.683	0.0	93	711958	24.5	
110 1,3-Dichlorobenzene	146	9.805	9.805	0.0	96	317655	24.3	
111 4-Isopropyltoluene	119	9.841	9.841	0.0	75	587618	24.9	
113 1,4-Dichlorobenzene	146	9.896	9.896	0.0	94	334032	24.4	
115 n-Butylbenzene	91	10.249	10.249	0.0	95	565758	24.8	
116 1,2-Dichlorobenzene	146	10.267	10.267	0.0	92	303454	24.6	
117 1,2-Dibromo-3-Chloropropane	75	11.028	11.028	0.0	65	20878	23.4	
119 1,2,4-Trichlorobenzene	180	11.727	11.727	0.0	91	187114	22.4	
120 Hexachlorobutadiene	225	11.855	11.855	0.0	95	94750	19.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	11.934	11.934	0.0	97	381088	23.2	
122 1,2,3-Trichlorobenzene	180	12.141	12.141	0.0	95	152248	21.6	
S 123 1,3-Dichloropropene, Total	1				0		49.5	
S 124 1,2-Dichloroethene, Total	1				0		48.9	
S 125 Total BTEX	1				0		147.8	
S 126 Xylenes, Total	1				0		74.1	

Report Date: 25-May-2011 22:48:21

Data File:

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Chrom Revision: 1.2 17-May-2011 14:46:34

Injection Date:

25-May-2011 22:05:30

Limit Group:

MV - 8260B ICAL

Client ID:

17553

Lims Batch ID:

25-May-2011 22:05:30

Instrument ID:

HP5973N

Lims Sample ID:

2

Lims Sample ID:

2

Operator ID:

NMD

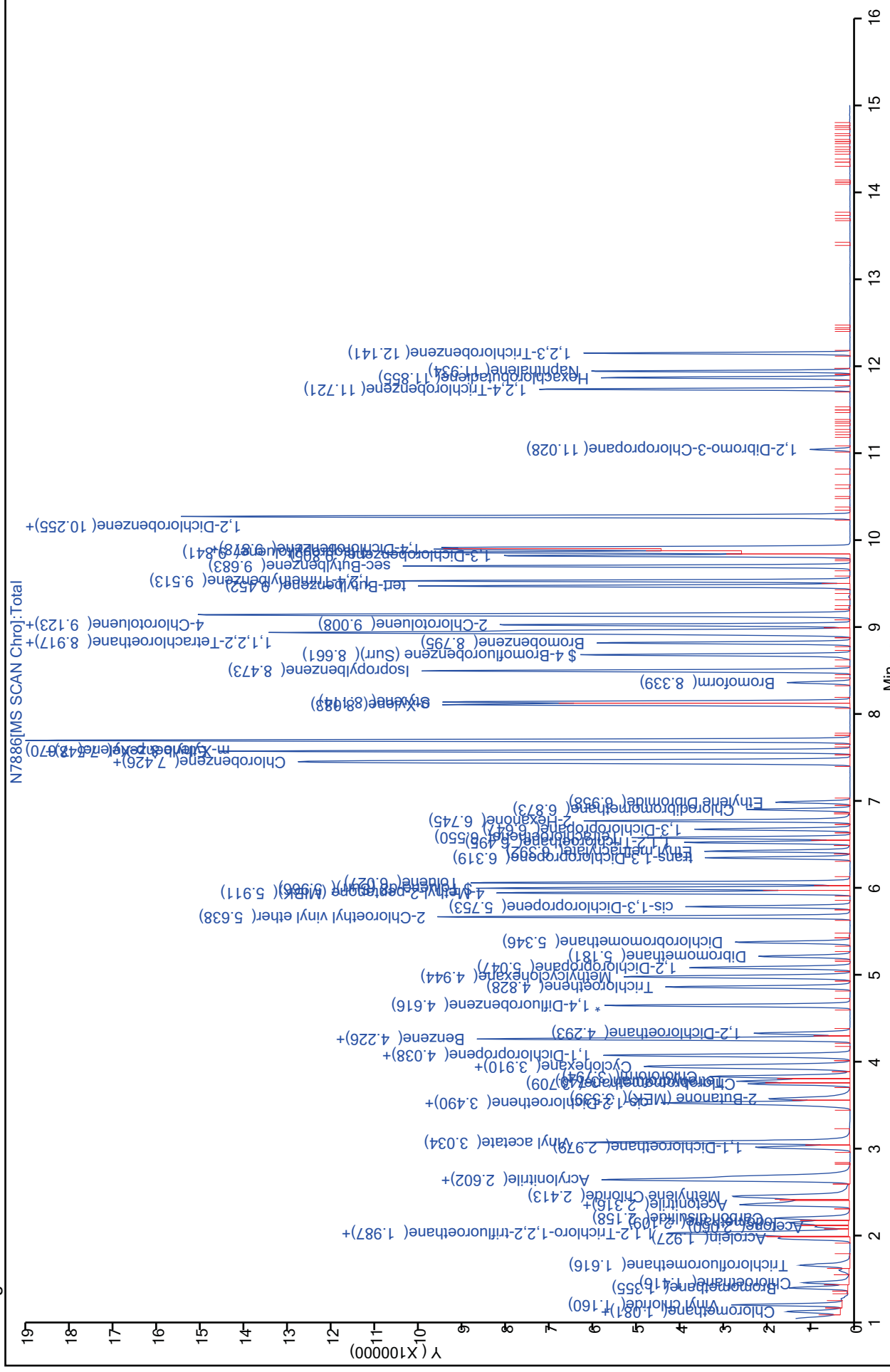
Column Type:

ZB-624

Column Dia:

0.25 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.: _____

Lab Sample ID: CCVIS 480-17630/2 Calibration Date: 05/26/2011 10:44

Instrument ID: HP5973N Calib Start Date: 05/18/2011 13:51

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 05/18/2011 16:42

Lab File ID: N7901.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	0.2771	0.2778		25.1	25.0	0.2	50.0
Chloromethane	Ave	0.3132	0.3423	0.1000	27.3	25.0	9.3	50.0
Vinyl chloride	Ave	0.3444	0.3659		26.6	25.0	6.2	20.0
Bromomethane	Ave	0.2123	0.2177		25.6	25.0	2.5	50.0
Chloroethane	Ave	0.1958	0.2260		28.9	25.0	15.4	50.0
Trichlorofluoromethane	Ave	0.3179	0.3592		28.3	25.0	13.0	50.0
Acrolein	Ave	0.0220	0.0240		545	500	9.0	50.0
1,1-Dichloroethene	Ave	0.3034	0.2977	0.1000	24.5	25.0	-1.9	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2301	0.2461		26.7	25.0	6.9	50.0
Acetone	Ave	0.0650	0.0663		128	125	2.0	50.0
Iodomethane	Ave	0.3239	0.3329		25.7	25.0	2.8	50.0
Carbon disulfide	Ave	0.6985	0.7442		26.6	25.0	6.5	50.0
Methyl acetate	Ave	0.2443	0.2542		26.0	25.0	4.0	50.0
Acetonitrile	Lin1F		0.0127		887	1000	-11.3	50.0
Methylene Chloride	Ave	0.3230	0.3075		23.8	25.0	-4.8	50.0
trans-1,2-Dichloroethene	Ave	0.3077	0.3046		24.7	25.0	-1.0	50.0
Methyl tert-butyl ether	Ave	0.8254	0.8151		24.7	25.0	-1.2	50.0
Acrylonitrile	Ave	0.0799	0.0844		132	125	5.6	50.0
1,1-Dichloroethane	Ave	0.5187	0.5215		25.1	25.0	0.5	50.0
Vinyl acetate	Ave	0.3630	0.4236		146	125	16.7	50.0
2,2-Dichloropropane	Lin1F		0.3081		28.0	25.0	12.0	50.0
cis-1,2-Dichloroethene	Ave	0.3321	0.3263		24.6	25.0	-1.8	50.0
2-Butanone (MEK)	Ave	0.1054	0.1082		128	125	2.7	50.0
Bromochloromethane	Ave	0.1454	0.1447		24.9	25.0	-0.5	50.0
Tetrahydrofuran	Ave	0.0667	0.0711		133	125	6.6	50.0
Chloroform	Ave	0.5400	0.5285		24.5	25.0	-2.1	20.0
1,1,1-Trichloroethane	Ave	0.3334	0.3651		27.4	25.0	9.5	50.0
Cyclohexane	Ave	0.4143	0.4533		27.3	25.0	9.4	50.0
Carbon tetrachloride	Ave	0.2916	0.3479		29.8	25.0	19.3	50.0
1,1-Dichloropropene	Ave	0.4403	0.4450		25.3	25.0	1.1	50.0
Benzene	Ave	1.336	1.292		24.2	25.0	-3.3	50.0
1,2-Dichloroethane	Ave	0.3663	0.3732		25.5	25.0	1.9	50.0
Trichloroethene	Ave	0.3098	0.3048		24.6	25.0	-1.6	50.0
Methylcyclohexane	Ave	0.4910	0.5427		27.6	25.0	10.5	50.0
1,2-Dichloropropane	Ave	0.2973	0.2900		24.4	25.0	-2.4	20.0
Dibromomethane	Ave	0.1653	0.1626		24.6	25.0	-1.6	50.0
Bromodichloromethane	Ave	0.3619	0.3733		25.8	25.0	3.2	50.0
2-Chloroethyl vinyl ether	Ave	0.1733	0.1669		120	125	-3.7	50.0
cis-1,3-Dichloropropene	Ave	0.4409	0.4660		26.4	25.0	5.7	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2430	0.2604		134	125	7.2	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.: _____

Lab Sample ID: CCVIS 480-17630/2 Calibration Date: 05/26/2011 10:44

Instrument ID: HP5973N Calib Start Date: 05/18/2011 13:51

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 05/18/2011 16:42

Lab File ID: N7901.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	0.9259	0.9357		25.3	25.0	1.1	20.0
trans-1,3-Dichloropropene	Lin1F		0.4466		24.9	25.0	-0.4	50.0
Ethyl methacrylate	Lin1F		0.4101		23.6	25.0	-5.6	50.0
1,1,2-Trichloroethane	Ave	0.2467	0.2428		24.6	25.0	-1.6	50.0
Tetrachloroethene	Ave	0.3770	0.3725		24.7	25.0	-1.2	50.0
1,3-Dichloropropane	Ave	0.5205	0.5262		25.3	25.0	1.1	50.0
2-Hexanone	Ave	0.1673	0.1800		135	125	7.6	50.0
Dibromochloromethane	Ave	0.2676	0.3008		28.1	25.0	12.4	50.0
1,2-Dibromoethane	Ave	0.2704	0.2710		25.1	25.0	0.2	50.0
Chlorobenzene	Ave	0.9837	0.9705	0.3000	24.7	25.0	-1.3	50.0
1,1,1,2-Tetrachloroethane	Ave	0.2722	0.3116		28.6	25.0	14.5	50.0
Ethylbenzene	Ave	1.716	1.734		25.3	25.0	1.0	20.0
m-Xylene & p-Xylene	Ave	0.6714	0.6767		50.4	50.0	0.8	50.0
o-Xylene	Ave	0.6357	0.6351		25.0	25.0	-0.0	50.0
Styrene	Ave	1.093	1.113		25.5	25.0	1.9	50.0
Bromoform	LinF		0.1710	0.1000	23.2	25.0	-7.2	50.0
Isopropylbenzene	Ave	2.963	3.046		25.7	25.0	2.8	50.0
Bromobenzene	Ave	0.7222	0.7241		25.1	25.0	0.3	50.0
1,1,2,2-Tetrachloroethane	Ave	0.6570	0.6468	0.3000	24.6	25.0	-1.6	50.0
1,2,3-Trichloropropane	Ave	0.1851	0.1886		25.5	25.0	1.9	50.0
N-Propylbenzene	Ave	3.646	3.793		26.0	25.0	4.0	50.0
trans-1,4-Dichloro-2-butene	Lin1F		0.1389		126	125	0.5	50.0
2-Chlorotoluene	Ave	0.6840	0.7034		25.7	25.0	2.8	50.0
1,3,5-Trimethylbenzene	Ave	2.438	2.533		26.0	25.0	3.9	50.0
4-Chlorotoluene	Ave	2.495	2.543		25.5	25.0	1.9	50.0
tert-Butylbenzene	Ave	0.5418	0.5616		25.9	25.0	3.6	50.0
1,2,4-Trimethylbenzene	Ave	2.469	2.534		25.7	25.0	2.6	50.0
sec-Butylbenzene	Ave	3.204	3.307		25.8	25.0	3.2	50.0
1,3-Dichlorobenzene	Ave	1.439	1.428		24.8	25.0	-0.8	50.0
4-Isopropyltoluene	Ave	2.605	2.724		26.1	25.0	4.6	50.0
1,4-Dichlorobenzene	Ave	1.510	1.478		24.5	25.0	-2.1	50.0
n-Butylbenzene	Ave	2.514	2.624		26.1	25.0	4.4	50.0
1,2-Dichlorobenzene	Ave	1.362	1.349		24.8	25.0	-1.0	50.0
1,2-Dibromo-3-Chloropropane	Lin1F		0.0925		23.6	25.0	-5.6	50.0
1,2,4-Trichlorobenzene	Ave	0.9197	0.8571		23.3	25.0	-6.8	50.0
Hexachlorobutadiene	Ave	0.5280	0.4458		21.1	25.0	-15.6	50.0
Naphthalene	Ave	1.808	1.693		23.4	25.0	-6.4	50.0
1,2,3-Trichlorobenzene	Ave	0.7774	0.6819		21.9	25.0	-12.3	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3221	0.3417		26.5	25.0	6.1	50.0
Toluene-d8 (Surr)	Ave	1.287	1.419		27.6	25.0	10.3	50.0
4-Bromofluorobenzene (Surr)	Ave	0.4044	0.4026		24.9	25.0	-0.4	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20110526-3480.b\N7901.D
 Lims ID: ccvis Client ID:
 Inject. Date: 26-May-2011 10:44:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: CCVIS
 Misc. Info.: 480-0003480-002
 Operator: LH Instrument ID: HP5973N
 Vol. Injected: 1.0000 ALS Bottle#: 1
 Lims Batch ID: 17630 Lims Sample ID: 2
 Sublist: chrom-N-8260*sub7
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20110526-3480.b\N-8260.m
 Last Update: 26-May-2011 11:01:51 Calib Date: 18-May-2011 16:42:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20110518-3245.b\N7574.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

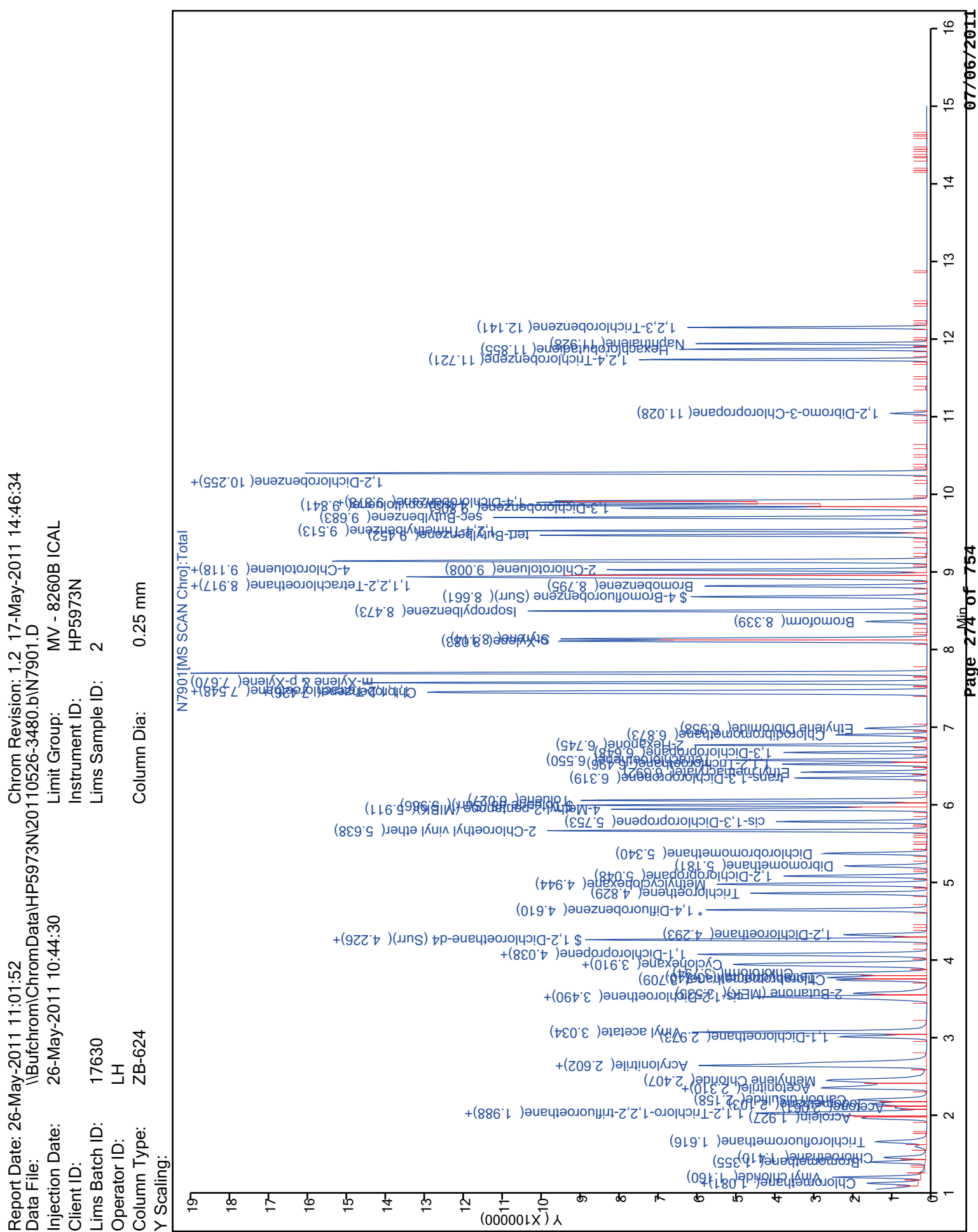
First Level Reviewer: HillL

Date: 26-May-2011 11:01:51

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.616	4.616	0.0	91	476505	25.0	
* 2 Chlorobenzene-d5	117	7.414	7.414	0.0	60	412686	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.878	9.878	0.0	59	227761	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.220	4.220	0.0	0	162842	26.5	
\$ 6 Toluene-d8 (Surr)	98	5.966	5.966	0.0	81	585596	27.6	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.661	8.661	0.0	88	166151	24.9	
11 Dichlorodifluoromethane	85	1.002	1.002	0.0	68	132351	25.1	
13 Chloromethane	50	1.081	1.081	0.0	89	163100	27.3	
14 Vinyl chloride	62	1.160	1.160	0.0	84	174338	26.6	
15 Bromomethane	94	1.355	1.355	0.0	90	103730	25.6	
16 Chloroethane	64	1.416	1.416	0.0	94	107704	28.9	
18 Trichlorofluoromethane	101	1.616	1.616	0.0	83	171167	28.3	
20 Acrolein	56	1.921	1.921	0.0	89	228827	545.0	
22 1,1-Dichloroethene	96	1.981	1.981	0.0	85	141864	24.5	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	1.988	1.988	0.0	78	117252	26.7	
23 Acetone	43	2.054	2.054	0.0	94	158026	127.5	
24 Iodomethane	142	2.103	2.103	0.0	99	158616	25.7	
25 Carbon disulfide	76	2.158	2.158	0.0	98	354624	26.6	
28 Methyl acetate	43	2.310	2.310	0.0	59	121125	26.0	
29 Acetonitrile	40	2.316	2.316	0.0	99	241148	886.9	
30 Methylene Chloride	84	2.413	2.413	0.0	78	146539	23.8	
33 trans-1,2-Dichloroethene	96	2.602	2.602	0.0	95	145131	24.7	
32 Methyl tert-butyl ether	73	2.608	2.608	0.0	88	388407	24.7	
34 Acrylonitrile	53	2.639	2.639	0.0	98	200987	132.0	
36 1,1-Dichloroethane	63	2.973	2.973	0.0	83	248483	25.1	
39 Vinyl acetate	43	3.034	3.034	0.0	97	1009149	145.8	
42 2,2-Dichloropropane	77	3.472	3.472	0.0	65	146816	28.0	
43 cis-1,2-Dichloroethene	96	3.490	3.490	0.0	69	155468	24.6	
44 2-Butanone (MEK)	43	3.533	3.533	0.0	97	257832	128.3	
47 Chlorobromomethane	128	3.709	3.709	0.0	88	68954	24.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	3.740	3.740	0.0	83	169412	133.2	
50 Chloroform	83	3.794	3.794	0.0	76	251843	24.5	
51 1,1,1-Trichloroethane	97	3.898	3.898	0.0	89	173975	27.4	
52 Cyclohexane	56	3.916	3.916	0.0	88	215992	27.3	
53 Carbon tetrachloride	117	4.032	4.032	0.0	76	165797	29.8	
54 1,1-Dichloropropene	75	4.038	4.038	0.0	96	212058	25.3	
55 Benzene	78	4.226	4.226	0.0	95	615788	24.2	
57 1,2-Dichloroethane	62	4.293	4.293	0.0	90	177818	25.5	
60 Trichloroethene	95	4.829	4.829	0.0	92	145222	24.6	
62 Methylcyclohexane	83	4.944	4.944	0.0	87	258588	27.6	
63 1,2-Dichloropropane	63	5.048	5.048	0.0	92	138182	24.4	
64 Dibromomethane	93	5.181	5.181	0.0	86	77490	24.6	
67 Dichlorobromomethane	83	5.346	5.346	0.0	88	177888	25.8	
69 2-Chloroethyl vinyl ether	63	5.638	5.638	0.0	91	397689	120.4	
71 cis-1,3-Dichloropropene	75	5.753	5.753	0.0	88	222061	26.4	
72 4-Methyl-2-pentanone (MIBK)	43	5.911	5.911	0.0	96	537339	134.0	
73 Toluene	92	6.027	6.027	0.0	93	386140	25.3	
75 trans-1,3-Dichloropropene	75	6.319	6.319	0.0	89	184291	24.9	
77 Ethyl methacrylate	69	6.392	6.392	0.0	87	169257	23.6	
78 1,1,2-Trichloroethane	83	6.496	6.496	0.0	85	100208	24.6	
79 Tetrachloroethene	166	6.550	6.550	0.0	90	153733	24.7	
80 1,3-Dichloropropane	76	6.648	6.648	0.0	85	217173	25.3	
82 2-Hexanone	43	6.745	6.745	0.0	95	371366	134.5	
83 Chlorodibromomethane	129	6.873	6.873	0.0	87	124141	28.1	
84 Ethylene Dibromide	107	6.958	6.958	0.0	97	111836	25.1	
85 Chlorobenzene	112	7.445	7.445	0.0	92	400493	24.7	
88 Ethylbenzene	91	7.548	7.548	0.0	98	715446	25.3	
89 1,1,1,2-Tetrachloroethane	131	7.548	7.548	0.0	85	128589	28.6	
90 m-Xylene & p-Xylene	106	7.676	7.676	0.0	99	558491	50.4	
91 o-Xylene	106	8.089	8.089	0.0	80	262100	25.0	
92 Styrene	104	8.114	8.114	0.0	89	459430	25.5	
93 Bromoform	173	8.339	8.339	0.0	94	70584	23.2	
95 Isopropylbenzene	105	8.473	8.473	0.0	95	693872	25.7	
97 Bromobenzene	156	8.801	8.801	0.0	93	164926	25.1	
98 1,1,2,2-Tetrachloroethane	83	8.892	8.892	0.0	88	147324	24.6	
99 1,2,3-Trichloropropane	110	8.911	8.911	0.0	84	42953	25.5	
100 N-Propylbenzene	91	8.917	8.917	0.0	88	863905	26.0	
101 trans-1,4-Dichloro-2-butene	53	8.941	8.941	0.0	88	158175	125.6	
102 2-Chlorotoluene	126	9.008	9.008	0.0	96	160201	25.7	
104 1,3,5-Trimethylbenzene	105	9.118	9.118	0.0	89	577001	26.0	
105 4-Chlorotoluene	91	9.130	9.130	0.0	99	579260	25.5	
106 tert-Butylbenzene	134	9.452	9.452	0.0	89	127899	25.9	
108 1,2,4-Trimethylbenzene	105	9.513	9.513	0.0	91	577118	25.7	
109 sec-Butylbenzene	105	9.683	9.683	0.0	94	753191	25.8	
110 1,3-Dichlorobenzene	146	9.805	9.805	0.0	95	325131	24.8	
111 4-Isopropyltoluene	119	9.841	9.841	0.0	77	620399	26.1	
113 1,4-Dichlorobenzene	146	9.896	9.896	0.0	82	336527	24.5	
115 n-Butylbenzene	91	10.249	10.249	0.0	94	597597	26.1	
116 1,2-Dichlorobenzene	146	10.267	10.267	0.0	97	307285	24.8	
117 1,2-Dibromo-3-Chloropropane	75	11.028	11.028	0.0	63	21070	23.6	
119 1,2,4-Trichlorobenzene	180	11.727	11.727	0.0	94	195221	23.3	
120 Hexachlorobutadiene	225	11.855	11.855	0.0	95	101539	21.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	11.934	11.934	0.0	97	385547	23.4	
122 1,2,3-Trichlorobenzene	180	12.141	12.141	0.0	95	155302	21.9	
S 125 Total BTEX	1				0		150.1	
S 126 Xylenes, Total	1				0		75.4	
S 123 1,3-Dichloropropene, Total	1				0		51.4	
S 124 1,2-Dichloroethene, Total	1				0		49.3	



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.: _____

Lab Sample ID: CCVIS 480-17745/2 Calibration Date: 05/26/2011 21:39

Instrument ID: HP5973N Calib Start Date: 05/18/2011 13:51

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 05/18/2011 16:42

Lab File ID: N7927.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	0.2771	0.2896		26.1	25.0	4.5	50.0
Chloromethane	Ave	0.3132	0.3530	0.1000	28.2	25.0	12.7	50.0
Vinyl chloride	Ave	0.3444	0.3783		27.5	25.0	9.8	20.0
Bromomethane	Ave	0.2123	0.2377		28.0	25.0	11.9	50.0
Chloroethane	Ave	0.1958	0.2341		29.9	25.0	19.5	50.0
Trichlorofluoromethane	Ave	0.3179	0.3779		29.7	25.0	18.9	50.0
Acrolein	Ave	0.0220	0.0239		543	500	8.7	50.0
1,1-Dichloroethene	Ave	0.3034	0.3117	0.1000	25.7	25.0	2.7	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2301	0.2465		26.8	25.0	7.1	50.0
Acetone	Ave	0.0650	0.0682		131	125	4.9	50.0
Iodomethane	Ave	0.3239	0.3381		26.1	25.0	4.4	50.0
Carbon disulfide	Ave	0.6985	0.7415		26.5	25.0	6.2	50.0
Acetonitrile	Lin1F		0.0145		1020	1000	1.8	50.0
Methyl acetate	Ave	0.2443	0.2559		26.2	25.0	4.7	50.0
Methylene Chloride	Ave	0.3230	0.3288		25.4	25.0	1.8	50.0
trans-1,2-Dichloroethene	Ave	0.3077	0.3192		25.9	25.0	3.7	50.0
Methyl tert-butyl ether	Ave	0.8254	0.8016		24.3	25.0	-2.9	50.0
Acrylonitrile	Ave	0.0799	0.0853		134	125	6.8	50.0
1,1-Dichloroethane	Ave	0.5187	0.5356		25.8	25.0	3.3	50.0
Vinyl acetate	Ave	0.3630	0.4174		144	125	15.0	50.0
2,2-Dichloropropane	Lin1F		0.2934		26.7	25.0	6.8	50.0
cis-1,2-Dichloroethene	Ave	0.3321	0.3391		25.5	25.0	2.1	50.0
2-Butanone (MEK)	Ave	0.1054	0.1052		125	125	-0.2	50.0
Bromochloromethane	Ave	0.1454	0.1506		25.9	25.0	3.6	50.0
Tetrahydrofuran	Ave	0.0667	0.0708		133	125	6.2	50.0
Chloroform	Ave	0.5400	0.5556		25.7	25.0	2.9	20.0
1,1,1-Trichloroethane	Ave	0.3334	0.3829		28.7	25.0	14.8	50.0
Cyclohexane	Ave	0.4143	0.4587		27.7	25.0	10.7	50.0
Carbon tetrachloride	Ave	0.2916	0.3603		30.9	25.0	23.6	50.0
1,1-Dichloropropene	Ave	0.4403	0.4656		26.4	25.0	5.7	50.0
Benzene	Ave	1.336	1.365		25.5	25.0	2.1	50.0
1,2-Dichloroethane	Ave	0.3663	0.3835		26.2	25.0	4.7	50.0
Trichloroethene	Ave	0.3098	0.3212		25.9	25.0	3.7	50.0
Methylcyclohexane	Ave	0.4910	0.5473		27.9	25.0	11.5	50.0
1,2-Dichloropropane	Ave	0.2973	0.2968		25.0	25.0	-0.2	20.0
Dibromomethane	Ave	0.1653	0.1703		25.7	25.0	3.0	50.0
Bromodichloromethane	Ave	0.3619	0.3905		27.0	25.0	7.9	50.0
2-Chloroethyl vinyl ether	Ave	0.1733	0.1711		123	125	-1.3	50.0
cis-1,3-Dichloropropene	Ave	0.4409	0.4729		26.8	25.0	7.3	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2430	0.2572		132	125	5.8	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.: _____

Lab Sample ID: CCVIS 480-17745/2 Calibration Date: 05/26/2011 21:39

Instrument ID: HP5973N Calib Start Date: 05/18/2011 13:51

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 05/18/2011 16:42

Lab File ID: N7927.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	0.9259	0.9575		25.9	25.0	3.4	20.0
trans-1,3-Dichloropropene	Lin1F		0.4338		24.2	25.0	-3.2	50.0
Ethyl methacrylate	Lin1F		0.3999		23.0	25.0	-8.0	50.0
1,1,2-Trichloroethane	Ave	0.2467	0.2473		25.1	25.0	0.3	50.0
Tetrachloroethene	Ave	0.3770	0.3896		25.8	25.0	3.3	50.0
1,3-Dichloropropane	Ave	0.5205	0.5270		25.3	25.0	1.3	50.0
2-Hexanone	Ave	0.1673	0.1770		132	125	5.8	50.0
Dibromochloromethane	Ave	0.2676	0.2989		27.9	25.0	11.7	50.0
1,2-Dibromoethane	Ave	0.2704	0.2738		25.3	25.0	1.3	50.0
Chlorobenzene	Ave	0.9837	1.004	0.3000	25.5	25.0	2.0	50.0
1,1,1,2-Tetrachloroethane	Ave	0.2722	0.3122		28.7	25.0	14.7	50.0
Ethylbenzene	Ave	1.716	1.810		26.4	25.0	5.5	20.0
m-Xylene & p-Xylene	Ave	0.6714	0.6995		52.1	50.0	4.2	50.0
o-Xylene	Ave	0.6357	0.6621		26.0	25.0	4.2	50.0
Styrene	Ave	1.093	1.152		26.4	25.0	5.4	50.0
Bromoform	LinF		0.1690	0.1000	22.9	25.0	-8.4	50.0
Isopropylbenzene	Ave	2.963	3.118		26.3	25.0	5.2	50.0
Bromobenzene	Ave	0.7222	0.7408		25.6	25.0	2.6	50.0
1,1,2,2-Tetrachloroethane	Ave	0.6570	0.6631	0.3000	25.2	25.0	0.9	50.0
1,2,3-Trichloropropane	Ave	0.1851	0.1909		25.8	25.0	3.1	50.0
N-Propylbenzene	Ave	3.646	3.907		26.8	25.0	7.1	50.0
trans-1,4-Dichloro-2-butene	Lin1F		0.1417		128	125	2.6	50.0
2-Chlorotoluene	Ave	0.6840	0.7172		26.2	25.0	4.9	50.0
1,3,5-Trimethylbenzene	Ave	2.438	2.599		26.7	25.0	6.6	50.0
4-Chlorotoluene	Ave	2.495	2.605		26.1	25.0	4.4	50.0
tert-Butylbenzene	Ave	0.5418	0.5564		25.7	25.0	2.7	50.0
1,2,4-Trimethylbenzene	Ave	2.469	2.614		26.5	25.0	5.8	50.0
sec-Butylbenzene	Ave	3.204	3.368		26.3	25.0	5.1	50.0
1,3-Dichlorobenzene	Ave	1.439	1.469		25.5	25.0	2.1	50.0
4-Isopropyltoluene	Ave	2.605	2.783		26.7	25.0	6.8	50.0
1,4-Dichlorobenzene	Ave	1.510	1.518		25.1	25.0	0.6	50.0
n-Butylbenzene	Ave	2.514	2.693		26.8	25.0	7.1	50.0
1,2-Dichlorobenzene	Ave	1.362	1.373		25.2	25.0	0.8	50.0
1,2-Dibromo-3-Chloropropane	Lin1F		0.0900		22.9	25.0	-8.4	50.0
1,2,4-Trichlorobenzene	Ave	0.9197	0.8548		23.2	25.0	-7.1	50.0
Hexachlorobutadiene	Ave	0.5280	0.4420		20.9	25.0	-16.3	50.0
Naphthalene	Ave	1.808	1.706		23.6	25.0	-5.6	50.0
1,2,3-Trichlorobenzene	Ave	0.7774	0.6958		22.4	25.0	-10.5	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3221	0.3444		26.7	25.0	6.9	50.0
Toluene-d8 (Surr)	Ave	1.287	1.386		26.9	25.0	7.7	50.0
4-Bromofluorobenzene (Surr)	Ave	0.4044	0.4056		25.1	25.0	0.3	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20110526-3497.b\N7927.D
 Lims ID: ccvis Client ID:
 Inject. Date: 26-May-2011 21:39:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: CCVIS
 Misc. Info.: 480-0003497-002
 Operator: NMD Instrument ID: HP5973N
 Vol. Injected: 1.0000 ALS Bottle#: 27
 Lims Batch ID: 17745 Lims Sample ID: 2
 Sublist: chrom-N-8260*sub7
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20110526-3497.b\N-8260.m
 Last Update: 26-May-2011 22:49:49 Calib Date: 18-May-2011 16:42:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20110518-3245.b\N7574.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: diasn

Date: 26-May-2011 22:49:49

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.616	4.616	0.0	91	446105	25.0	
* 2 Chlorobenzene-d5	117	7.414	7.414	0.0	64	394466	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.878	9.878	0.0	54	220449	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.226	4.226	0.0	0	153647	26.7	
\$ 6 Toluene-d8 (Surr)	98	5.966	5.966	0.0	81	546566	26.9	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.661	8.661	0.0	88	159984	25.1	
11 Dichlorodifluoromethane	85	1.002	1.002	0.0	84	129168	26.1	
13 Chloromethane	50	1.081	1.081	0.0	88	157481	28.2	
14 Vinyl chloride	62	1.166	1.166	0.0	98	168745	27.5	
15 Bromomethane	94	1.361	1.361	0.0	91	106045	28.0	
16 Chloroethane	64	1.416	1.416	0.0	98	104430	29.9	
18 Trichlorofluoromethane	101	1.623	1.623	0.0	85	168592	29.7	
20 Acrolein	56	1.927	1.927	0.0	89	213574	543.3	
22 1,1-Dichloroethene	96	1.988	1.988	0.0	85	139059	25.7	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	1.994	1.994	0.0	77	109947	26.8	
23 Acetone	43	2.061	2.061	0.0	94	152132	131.1	
24 Iodomethane	142	2.109	2.109	0.0	98	150827	26.1	
25 Carbon disulfide	76	2.164	2.164	0.0	98	330803	26.5	
28 Methyl acetate	43	2.316	2.316	0.0	70	114149	26.2	
29 Acetonitrile	40	2.316	2.316	0.0	99	259068	1017.8	
30 Methylene Chloride	84	2.414	2.414	0.0	78	146669	25.4	
33 trans-1,2-Dichloroethene	96	2.602	2.602	0.0	95	142391	25.9	
32 Methyl tert-butyl ether	73	2.608	2.608	0.0	89	357602	24.3	
34 Acrylonitrile	53	2.645	2.645	0.0	98	190334	133.5	
36 1,1-Dichloroethane	63	2.979	2.979	0.0	84	238944	25.8	
39 Vinyl acetate	43	3.034	3.034	0.0	97	931014	143.7	
42 2,2-Dichloropropane	77	3.478	3.478	0.0	77	130906	26.7	
43 cis-1,2-Dichloroethene	96	3.490	3.490	0.0	70	151287	25.5	
44 2-Butanone (MEK)	43	3.539	3.539	0.0	97	234597	124.7	
47 Chlorobromomethane	128	3.709	3.709	0.0	88	67194	25.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	3.740	3.740	0.0	82	157972	132.7	
50 Chloroform	83	3.794	3.794	0.0	79	247852	25.7	
51 1,1,1-Trichloroethane	97	3.904	3.904	0.0	93	170797	28.7	
52 Cyclohexane	56	3.916	3.916	0.0	88	204646	27.7	
53 Carbon tetrachloride	117	4.032	4.032	0.0	79	160734	30.9	
54 1,1-Dichloropropene	75	4.044	4.044	0.0	96	207686	26.4	
55 Benzene	78	4.233	4.233	0.0	96	608762	25.5	
57 1,2-Dichloroethane	62	4.293	4.293	0.0	91	171069	26.2	
60 Trichloroethene	95	4.829	4.829	0.0	92	143271	25.9	
62 Methylcyclohexane	83	4.950	4.950	0.0	86	244135	27.9	
63 1,2-Dichloropropane	63	5.048	5.048	0.0	90	132384	25.0	
64 Dibromomethane	93	5.182	5.182	0.0	88	75957	25.7	
67 Dichlorobromomethane	83	5.346	5.346	0.0	88	174185	27.0	
69 2-Chloroethyl vinyl ether	63	5.638	5.638	0.0	93	381646	123.4	
71 cis-1,3-Dichloropropene	75	5.753	5.753	0.0	88	210943	26.8	
72 4-Methyl-2-pentanone (MIBK)	43	5.912	5.912	0.0	96	507240	132.3	
73 Toluene	92	6.027	6.027	0.0	92	377683	25.9	
75 trans-1,3-Dichloropropene	75	6.319	6.319	0.0	89	171112	24.2	
77 Ethyl methacrylate	69	6.392	6.392	0.0	86	157758	23.0	
78 1,1,2-Trichloroethane	83	6.496	6.496	0.0	90	97566	25.1	
79 Tetrachloroethene	166	6.550	6.550	0.0	97	153700	25.8	
80 1,3-Dichloropropane	76	6.648	6.648	0.0	85	207901	25.3	
82 2-Hexanone	43	6.745	6.745	0.0	95	349044	132.2	
83 Chlorodibromomethane	129	6.873	6.873	0.0	86	117920	27.9	
84 Ethylene Dibromide	107	6.958	6.958	0.0	98	108012	25.3	
85 Chlorobenzene	112	7.439	7.439	0.0	85	395984	25.5	
88 Ethylbenzene	91	7.548	7.548	0.0	98	713902	26.4	
89 1,1,1,2-Tetrachloroethane	131	7.548	7.548	0.0	35	123163	28.7	
90 m-Xylene & p-Xylene	106	7.670	7.670	0.0	99	551821	52.1	
91 o-Xylene	106	8.083	8.083	0.0	80	261169	26.0	
92 Styrene	104	8.114	8.114	0.0	89	454318	26.4	
93 Bromoform	173	8.339	8.339	0.0	94	66655	22.9	
95 Isopropylbenzene	105	8.473	8.473	0.0	95	687267	26.3	
97 Bromobenzene	156	8.795	8.795	0.0	93	163308	25.6	
98 1,1,2,2-Tetrachloroethane	83	8.893	8.893	0.0	88	146183	25.2	
99 1,2,3-Trichloropropane	110	8.911	8.911	0.0	74	42082	25.8	
100 N-Propylbenzene	91	8.917	8.917	0.0	97	861203	26.8	
101 trans-1,4-Dichloro-2-butene	53	8.941	8.941	0.0	80	156229	128.2	
102 2-Chlorotoluene	126	9.008	9.008	0.0	95	158106	26.2	
104 1,3,5-Trimethylbenzene	105	9.118	9.118	0.0	91	573047	26.7	
105 4-Chlorotoluene	91	9.130	9.130	0.0	99	574287	26.1	
106 tert-Butylbenzene	134	9.452	9.452	0.0	90	122656	25.7	
108 1,2,4-Trimethylbenzene	105	9.513	9.513	0.0	91	576155	26.5	
109 sec-Butylbenzene	105	9.683	9.683	0.0	94	742549	26.3	
110 1,3-Dichlorobenzene	146	9.805	9.805	0.0	95	323866	25.5	
111 4-Isopropyltoluene	119	9.842	9.842	0.0	86	613400	26.7	
113 1,4-Dichlorobenzene	146	9.896	9.896	0.0	83	334668	25.1	
115 n-Butylbenzene	91	10.249	10.249	0.0	95	593698	26.8	
116 1,2-Dichlorobenzene	146	10.267	10.267	0.0	96	302669	25.2	
117 1,2-Dibromo-3-Chloropropane	75	11.028	11.028	0.0	67	19829	22.9	
119 1,2,4-Trichlorobenzene	180	11.721	11.721	0.0	93	188432	23.2	
120 Hexachlorobutadiene	225	11.855	11.855	0.0	97	97439	20.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	11.934	11.934	0.0	97	376013	23.6	
122 1,2,3-Trichlorobenzene	180	12.141	12.141	0.0	96	153384	22.4	
S 125 Total BTEX	1				0		155.9	
S 126 Xylenes, Total	1				0		78.1	
S 123 1,3-Dichloropropene, Total	1				0		51.0	
S 124 1,2-Dichloroethene, Total	1				0		51.5	

Data File:

\\Bufchrom\ChromData\HP5973N\20110526-3497.b\N7927.D

Injection Date:

26-May-2011 21:39:30

Client ID:

Instrument ID:

Lims Batch ID: 17745

Lims Sample ID: 2

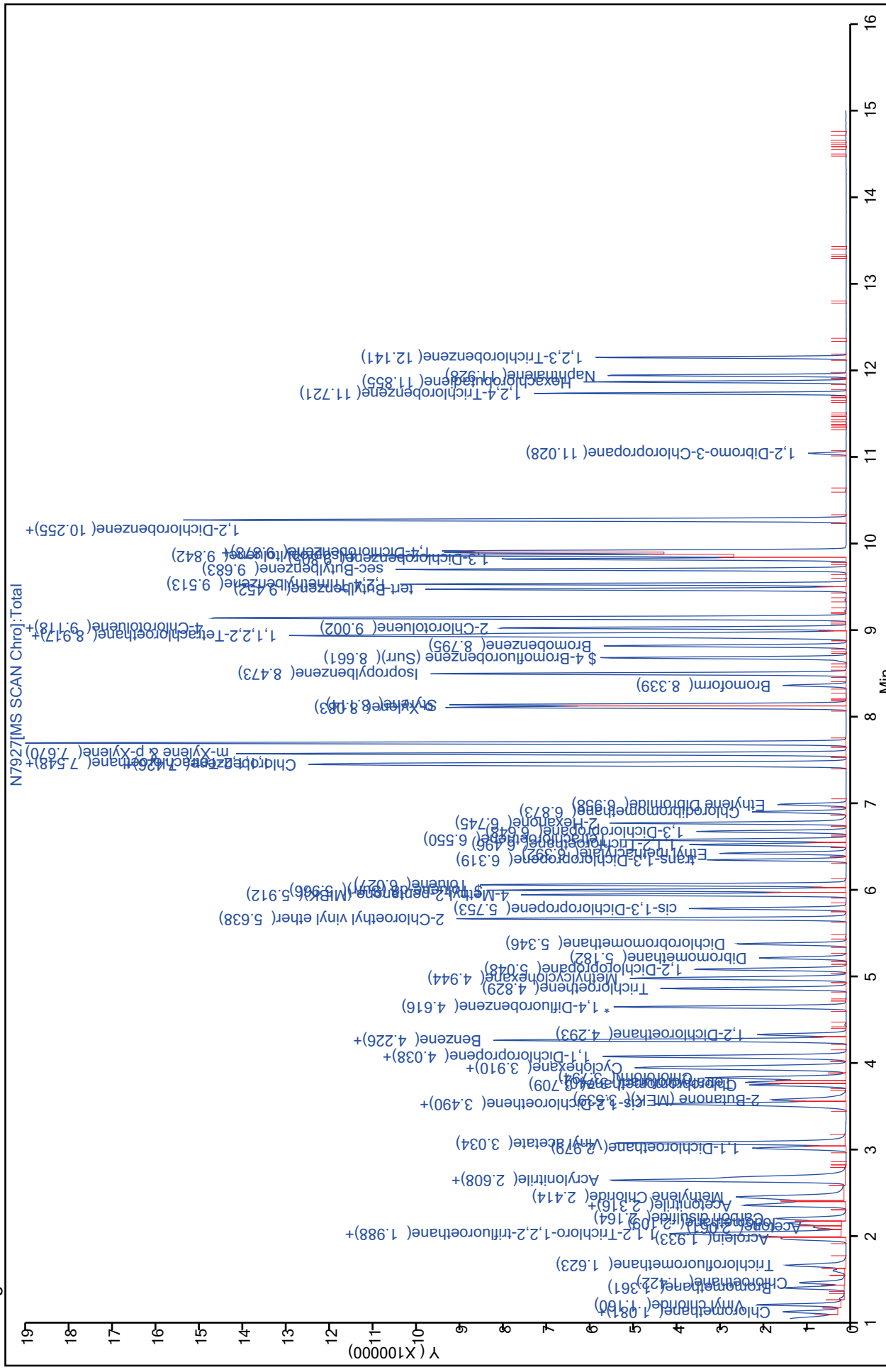
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Column Type: 7B-624

Column Dia: 0.25 mm

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FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.: _____

Lab Sample ID: CCVIS 480-17444/2 Calibration Date: 05/25/2011 11:45

Instrument ID: HP5973P Calib Start Date: 05/17/2011 13:55

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 05/17/2011 15:59

Lab File ID: P2784.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	0.4243	0.3586		21.1	25.0	-15.5	50.0
Chloromethane	Ave	0.3233	0.2865	0.1000	22.2	25.0	-11.4	50.0
Vinyl chloride	Ave	0.3011	0.2746		22.8	25.0	-8.8	20.0
Bromomethane	Lin1F		0.0897		18.4	25.0	-26.4	50.0
Chloroethane	Ave	0.1324	0.0933		17.6	25.0	-29.5	50.0
Trichlorofluoromethane	Ave	0.5396	0.4630		21.5	25.0	-14.2	50.0
Acrolein	Ave	0.0430	0.0412		479	500	-4.3	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.3046	0.3303		27.1	25.0	8.4	50.0
1,1-Dichloroethene	Ave	0.3472	0.3448	0.1000	24.8	25.0	-0.7	20.0
Acetone	Ave	0.1435	0.1307		114	125	-8.9	50.0
Iodomethane	Ave	0.5062	0.5816		28.7	25.0	14.9	50.0
Carbon disulfide	Ave	0.8364	0.9839		29.4	25.0	17.6	50.0
Methyl acetate	Ave	0.5084	0.4866		23.9	25.0	-4.3	50.0
Acetonitrile	Ave	0.0334	0.0311		930	1000	-7.1	50.0
Methylene Chloride	Ave	0.3994	0.3855		24.1	25.0	-3.5	50.0
Methyl tert-butyl ether	Ave	0.9698	1.093		28.2	25.0	12.7	50.0
trans-1,2-Dichloroethene	Ave	0.3617	0.3628		25.1	25.0	0.3	50.0
Acrylonitrile	Ave	0.1607	0.1615		126	125	0.5	50.0
Vinyl acetate	Ave	0.6191	0.6316		128	125	2.0	50.0
1,1-Dichloroethane	Ave	0.6129	0.5751		23.5	25.0	-6.2	50.0
2-Butanone (MEK)	Ave	0.2167	0.2087		120	125	-3.7	50.0
2,2-Dichloropropane	Ave	0.4438	0.4402		24.8	25.0	-0.8	50.0
cis-1,2-Dichloroethene	Ave	0.3872	0.3981		25.7	25.0	2.8	50.0
Bromochloromethane	Ave	0.2042	0.2134		26.1	25.0	4.5	50.0
Tetrahydrofuran	Ave	0.1359	0.1343		124	125	-1.1	50.0
Chloroform	Ave	0.6426	0.5957		23.2	25.0	-7.3	20.0
1,1,1-Trichloroethane	Ave	0.4940	0.4961		25.1	25.0	0.4	50.0
Cyclohexane	Ave	0.4893	0.5331		27.2	25.0	9.0	50.0
1,1-Dichloropropene	Ave	0.4477	0.4402		24.6	25.0	-1.7	50.0
Carbon tetrachloride	Ave	0.4472	0.4412		24.7	25.0	-1.3	50.0
Benzene	Ave	1.304	1.397		26.8	25.0	7.1	50.0
1,2-Dichloroethane	Ave	0.5207	0.4716		22.6	25.0	-9.4	50.0
Trichloroethene	Ave	0.3630	0.3637		25.1	25.0	0.2	50.0
Methylcyclohexane	Ave	0.4391	0.5018		28.6	25.0	14.3	50.0
1,2-Dichloropropane	Ave	0.3278	0.3234		24.7	25.0	-1.3	20.0
Dibromomethane	Ave	0.2507	0.2491		24.8	25.0	-0.6	50.0
Bromodichloromethane	Ave	0.4138	0.4174		25.2	25.0	0.9	50.0
2-Chloroethyl vinyl ether	Ave	0.2266	0.2497		138	125	10.2	50.0
cis-1,3-Dichloropropene	Ave	0.4876	0.5271		27.0	25.0	8.1	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.9299	0.9571		129	125	2.9	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.: _____

Lab Sample ID: CCVIS 480-17444/2 Calibration Date: 05/25/2011 11:45

Instrument ID: HP5973P Calib Start Date: 05/17/2011 13:55

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 05/17/2011 15:59

Lab File ID: P2784.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	1.841	2.035		27.6	25.0	10.5	20.0
trans-1,3-Dichloropropene	Ave	1.046	1.141		27.3	25.0	9.1	50.0
Ethyl methacrylate	Lin1F		1.172		27.7	25.0	10.8	50.0
1,1,2-Trichloroethane	Ave	0.6161	0.6458		26.2	25.0	4.8	50.0
Tetrachloroethene	Ave	0.9826	1.075		27.4	25.0	9.4	50.0
1,3-Dichloropropane	Ave	1.186	1.228		25.9	25.0	3.5	50.0
2-Hexanone	Ave	0.6769	0.7154		132	125	5.7	50.0
Dibromochloromethane	Lin1F		0.8434		25.3	25.0	1.2	50.0
1,2-Dibromoethane	Ave	0.7886	0.8938		28.3	25.0	13.3	50.0
Chlorobenzene	Ave	2.214	2.382	0.3000	26.9	25.0	7.6	50.0
Ethylbenzene	Ave	3.387	3.793		28.0	25.0	12.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.7460	0.8329		27.9	25.0	11.7	50.0
m-Xylene & p-Xylene	Ave	1.322	1.444		54.6	50.0	9.2	50.0
o-Xylene	Ave	1.259	1.455		28.9	25.0	15.6	50.0
Styrene	Ave	2.119	2.478		29.2	25.0	17.0	50.0
Bromoform	LinF		0.7037	0.1000	23.1	25.0	-7.6	50.0
Isopropylbenzene	Ave	2.394	2.540		26.5	25.0	6.1	50.0
1,1,2,2-Tetrachloroethane	Ave	0.8422	0.8266	0.3000	24.5	25.0	-1.9	50.0
Bromobenzene	Ave	0.8460	0.8901		26.3	25.0	5.2	50.0
trans-1,4-Dichloro-2-butene	Ave	0.2193	0.1793		102	125	-18.3	50.0
1,2,3-Trichloropropane	Ave	0.2483	0.2393		24.1	25.0	-3.6	50.0
N-Propylbenzene	Ave	3.221	3.145		24.4	25.0	-2.4	50.0
2-Chlorotoluene	Ave	0.6735	0.7027		26.1	25.0	4.3	50.0
1,3,5-Trimethylbenzene	Ave	2.077	2.132		25.7	25.0	2.6	50.0
4-Chlorotoluene	Ave	0.7068	0.7292		25.8	25.0	3.2	50.0
tert-Butylbenzene	Ave	0.4435	0.4837		27.3	25.0	9.1	50.0
1,2,4-Trimethylbenzene	Ave	2.107	2.199		26.1	25.0	4.3	50.0
sec-Butylbenzene	Ave	2.555	2.661		26.0	25.0	4.2	50.0
4-Isopropyltoluene	Ave	2.144	2.293		26.7	25.0	7.0	50.0
1,3-Dichlorobenzene	Ave	1.523	1.524		25.0	25.0	0.0	50.0
1,4-Dichlorobenzene	Ave	1.577	1.563		24.8	25.0	-0.9	50.0
n-Butylbenzene	Ave	2.036	2.068		25.4	25.0	1.6	50.0
1,2-Dichlorobenzene	Ave	1.485	1.536		25.9	25.0	3.4	50.0
1,2-Dibromo-3-Chloropropane	Lin1F		0.1495		22.4	25.0	-10.4	50.0
1,2,4-Trichlorobenzene	Ave	1.179	1.336		28.3	25.0	13.3	50.0
Hexachlorobutadiene	Ave	0.3066	0.3456		28.2	25.0	12.7	50.0
Naphthalene	Ave	1.421	1.927		33.9	25.0	35.6	50.0
1,2,3-Trichlorobenzene	Ave	0.6431	0.7637		29.7	25.0	18.8	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2134	0.1666		19.5	25.0	-21.9	50.0
Toluene-d8 (Surr)	Ave	2.513	2.432		24.2	25.0	-3.2	50.0
4-Bromofluorobenzene (Surr)	Ave	1.068	1.168		27.3	25.0	9.3	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3436.b\P2784.D
 Lims ID: CCVIS Client ID:
 Inject. Date: 25-May-2011 11:45:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: CCVIS
 Misc. Info.: 480-0003436-002 =480-0003436-002
 Operator: PJQ Instrument ID: HP5973P
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 17444 Lims Sample ID: 2
 Sublist: chrom-P-8260*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973P\20110525-3436.b\P-8260.m
 Last Update: 25-May-2011 12:02:42 Calib Date: 17-May-2011 15:59:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973P\20110517-3207.b\P2557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 25-May-2011 12:02:42

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	8.121	8.121	0.0	93	714533	25.0	
* 2 Chlorobenzene-d5	82	11.899	11.899	0.0	54	311692	25.0	
* 3 1,4-Dichlorobenzene-d4	152	15.038	15.038	0.0	71	434015	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	7.683	7.683	0.0	59	119029	19.5	
\$ 5 Toluene-d8 (Surr)	98	9.946	9.946	0.0	92	758068	24.2	
\$ 6 4-Bromofluorobenzene (Surr)	174	13.511	13.511	0.0	96	363938	27.3	
10 Dichlorodifluoromethane	85	2.847	2.847	0.0	87	256237	21.1	
11 Chloromethane	50	3.060	3.060	0.0	88	204727	22.2	
17 Vinyl chloride	62	3.248	3.248	0.0	84	196188	22.8	
12 Bromomethane	94	3.674	3.674	0.0	89	64071	18.4	
13 Chloroethane	64	3.790	3.790	0.0	92	66683	17.6	
14 Trichlorofluoromethane	101	4.142	4.142	0.0	86	330852	21.5	M
22 Acrolein	56	4.629	4.629	0.0	95	588306	478.5	
16 1,1,2-Trichloro-1,2,2-trifluoroethane	101	4.702	4.702	0.0	74	235971	27.1	
25 1,1-Dichloroethene	96	4.733	4.733	0.0	88	246403	24.8	
24 Acetone	43	4.793	4.793	0.0	98	467005	113.9	
18 Iodomethane	142	4.964	4.964	0.0	96	415550	28.7	
27 Carbon disulfide	76	5.055	5.055	0.0	98	703025	29.4	
30 Methyl acetate	43	5.128	5.128	0.0	90	347690	23.9	
29 Acetonitrile	40	5.158	5.158	0.0	99	888455	929.5	
31 Methylene Chloride	84	5.310	5.310	0.0	85	275433	24.1	
32 Methyl tert-butyl ether	73	5.548	5.548	0.0	87	780833	28.2	
35 trans-1,2-Dichloroethene	96	5.584	5.584	0.0	96	259238	25.1	
34 Acrylonitrile	53	5.590	5.590	0.0	100	576999	125.6	
38 Vinyl acetate	43	6.053	6.053	0.0	97	2256590	127.5	
40 1,1-Dichloroethane	63	6.071	6.071	0.0	84	410905	23.5	
44 2-Butanone (MEK)	43	6.716	6.716	0.0	100	745444	120.3	
45 2,2-Dichloropropane	77	6.728	6.728	0.0	72	314556	24.8	
43 cis-1,2-Dichloroethene	96	6.734	6.734	0.0	67	284423	25.7	
50 Chlorobromomethane	128	7.026	7.026	0.0	74	152501	26.1	

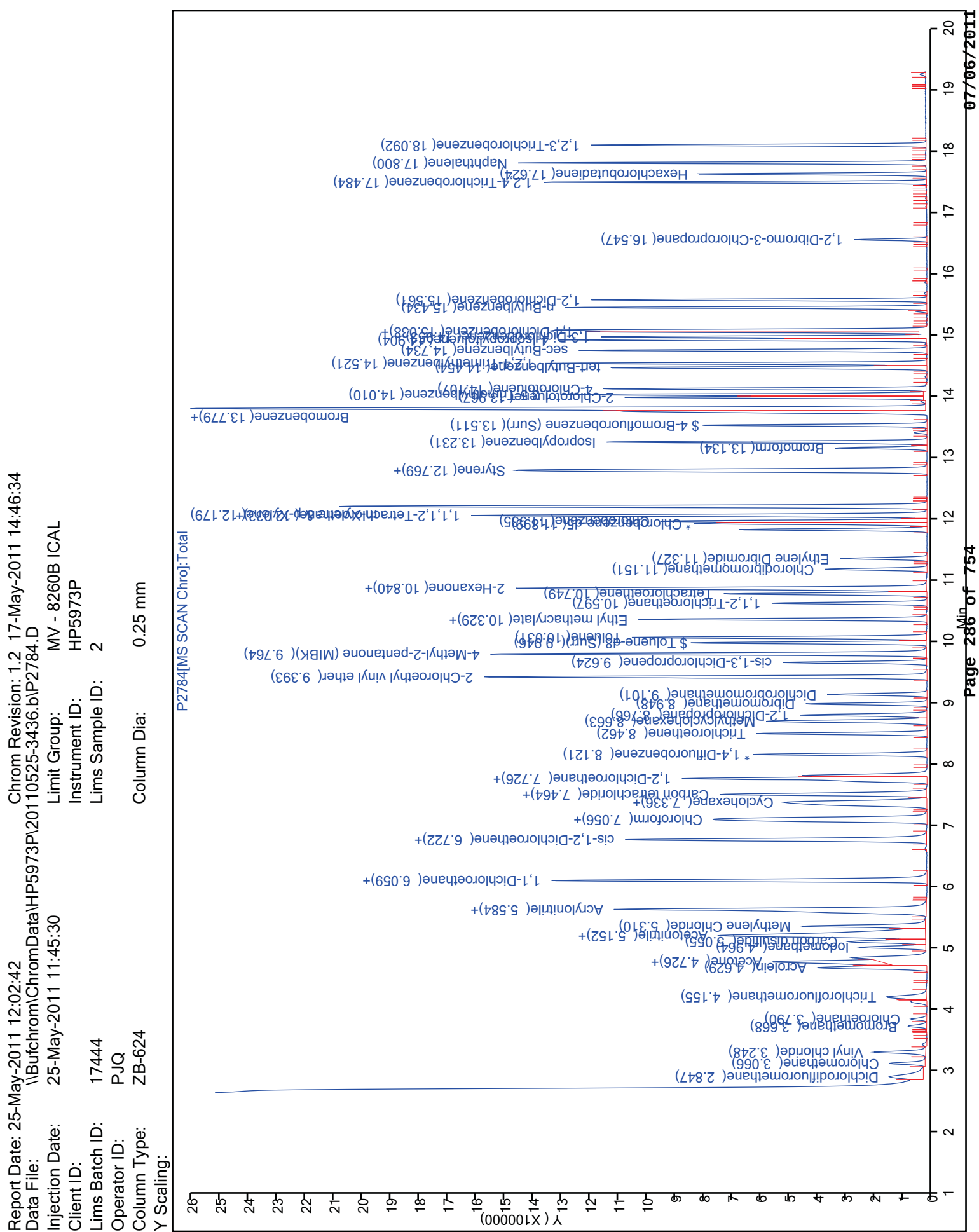
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
51 Tetrahydrofuran	42	7.050	7.050	0.0	87	479824	123.6	
49 Chloroform	83	7.081	7.081	0.0	69	425612	23.2	
52 1,1,1-Trichloroethane	97	7.294	7.294	0.0	89	354497	25.1	
54 Cyclohexane	56	7.342	7.342	0.0	90	380927	27.2	
56 1,1-Dichloropropene	75	7.458	7.458	0.0	95	314545	24.6	
55 Carbon tetrachloride	117	7.476	7.476	0.0	78	315282	24.7	
57 Benzene	78	7.726	7.726	0.0	80	997907	26.8	
60 1,2-Dichloroethane	62	7.774	7.774	0.0	79	336965	22.6	
62 Trichloroethene	95	8.462	8.462	0.0	91	259887	25.1	
64 Methylcyclohexane	83	8.669	8.669	0.0	90	358582	28.6	
63 1,2-Dichloropropane	63	8.766	8.766	0.0	94	231106	24.7	
69 Dibromomethane	93	8.948	8.948	0.0	80	178013	24.8	
70 Dichlorobromomethane	83	9.101	9.101	0.0	94	298247	25.2	
71 2-Chloroethyl vinyl ether	63	9.393	9.393	0.0	91	892167	137.7	
73 cis-1,3-Dichloropropene	75	9.624	9.624	0.0	92	376595	27.0	
75 4-Methyl-2-pentanone (MIBK)	43	9.764	9.764	0.0	96	1491592	128.7	
76 Toluene	92	10.031	10.031	0.0	99	634274	27.6	
78 trans-1,3-Dichloropropene	75	10.329	10.329	0.0	91	355705	27.3	
77 Ethyl methacrylate	69	10.336	10.336	0.0	86	365388	27.7	
79 1,1,2-Trichloroethane	83	10.597	10.597	0.0	84	201284	26.2	
80 Tetrachloroethene	166	10.749	10.749	0.0	90	335084	27.4	
82 1,3-Dichloropropane	76	10.822	10.822	0.0	95	382739	25.9	
83 2-Hexanone	43	10.840	10.840	0.0	96	1114930	132.1	
81 Chlorodibromomethane	129	11.151	11.151	0.0	99	262870	25.3	
85 Ethylene Dibromide	107	11.327	11.327	0.0	97	278576	28.3	
87 Chlorobenzene	112	11.942	11.942	0.0	96	742417	26.9	
89 Ethylbenzene	91	12.027	12.027	0.0	98	1182180	28.0	
88 1,1,1,2-Tetrachloroethane	131	12.045	12.045	0.0	89	259622	27.9	
90 m-Xylene & p-Xylene	106	12.179	12.179	0.0	97	900286	54.6	
93 o-Xylene	106	12.757	12.757	0.0	93	453423	28.9	
94 Styrene	104	12.781	12.781	0.0	94	772456	29.2	
92 Bromoform	173	13.134	13.134	0.0	96	219346	23.1	
95 Isopropylbenzene	105	13.231	13.231	0.0	95	1102228	26.5	
97 1,1,2,2-Tetrachloroethane	83	13.712	13.712	0.0	75	358747	24.5	
100 Bromobenzene	156	13.742	13.742	0.0	58	386320	26.3	
98 trans-1,4-Dichloro-2-butene	53	13.773	13.773	0.0	83	389060	102.2	
101 1,2,3-Trichloropropane	110	13.791	13.791	0.0	71	103852	24.1	
99 N-Propylbenzene	91	13.791	13.791	0.0	92	1364837	24.4	
103 2-Chlorotoluene	126	13.967	13.967	0.0	93	304990	26.1	
102 1,3,5-Trimethylbenzene	105	14.010	14.010	0.0	68	925257	25.7	
105 4-Chlorotoluene	126	14.107	14.107	0.0	96	316476	25.8	
106 tert-Butylbenzene	134	14.454	14.454	0.0	89	209948	27.3	
107 1,2,4-Trimethylbenzene	105	14.521	14.521	0.0	96	954227	26.1	
109 sec-Butylbenzene	105	14.734	14.734	0.0	93	1154930	26.0	
112 4-Isopropyltoluene	119	14.904	14.904	0.0	88	995294	26.7	
110 1,3-Dichlorobenzene	146	14.959	14.959	0.0	96	661470	25.0	
111 1,4-Dichlorobenzene	146	15.069	15.069	0.0	84	678286	24.8	
115 n-Butylbenzene	91	15.434	15.434	0.0	94	897500	25.4	
116 1,2-Dichlorobenzene	146	15.561	15.561	0.0	98	666606	25.9	
117 1,2-Dibromo-3-Chloropropane	75	16.547	16.547	0.0	86	64899	22.4	
119 1,2,4-Trichlorobenzene	180	17.490	17.490	0.0	89	579939	28.3	
120 Hexachlorobutadiene	225	17.624	17.624	0.0	89	246913	28.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	17.800	17.800	0.0	97	1376708	33.9	
122 1,2,3-Trichlorobenzene	180	18.092	18.092	0.0	92	545667	29.7	
S 123 1,2-Dichloroethene, Total	1				0		50.8	
S 124 1,3-Dichloropropene, Total	1				0		54.3	
S 125 Total BTEX	1				0		165.9	
S 126 Xylenes, Total	1				0		83.5	

QC Flag Legend

Review Flags

M - Manually Integrated

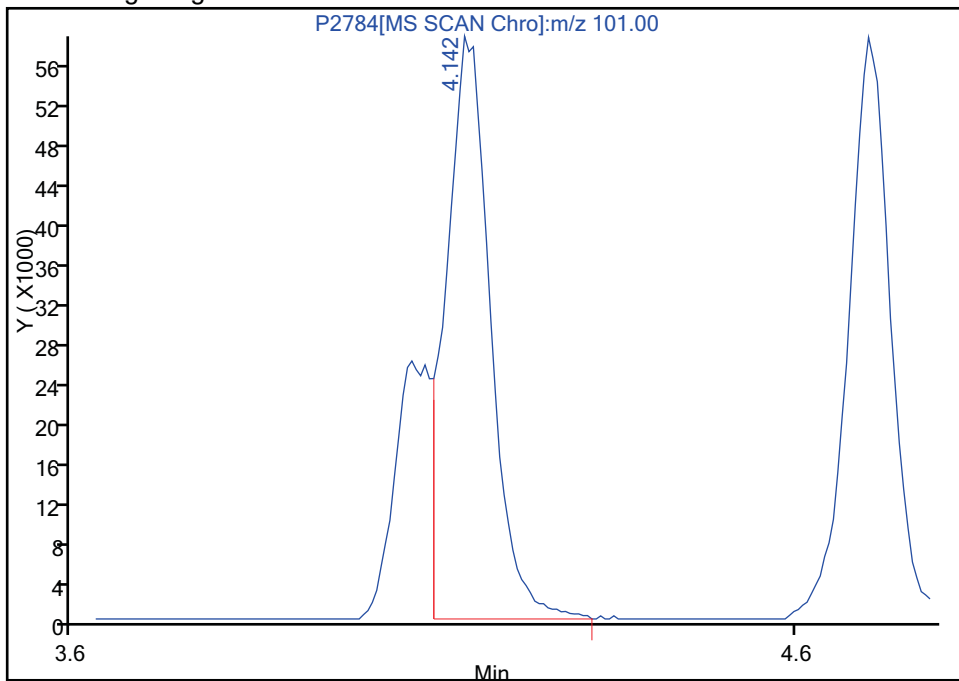


Data File: \\Bufchrom\ChromData\HP5973P\20110525-3436.b\P2784.D
Injection Date: 25-May-2011 11:45:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973P
Lims Batch ID: 17444 Lims Sample ID: 2
Operator ID: PJQ
Column Type: ZB-624 Column Dia: 0.25 mm

14 Trichlorofluoromethane, Signal: 1, m/z: 101.0 Type: quant, RT: 4.14

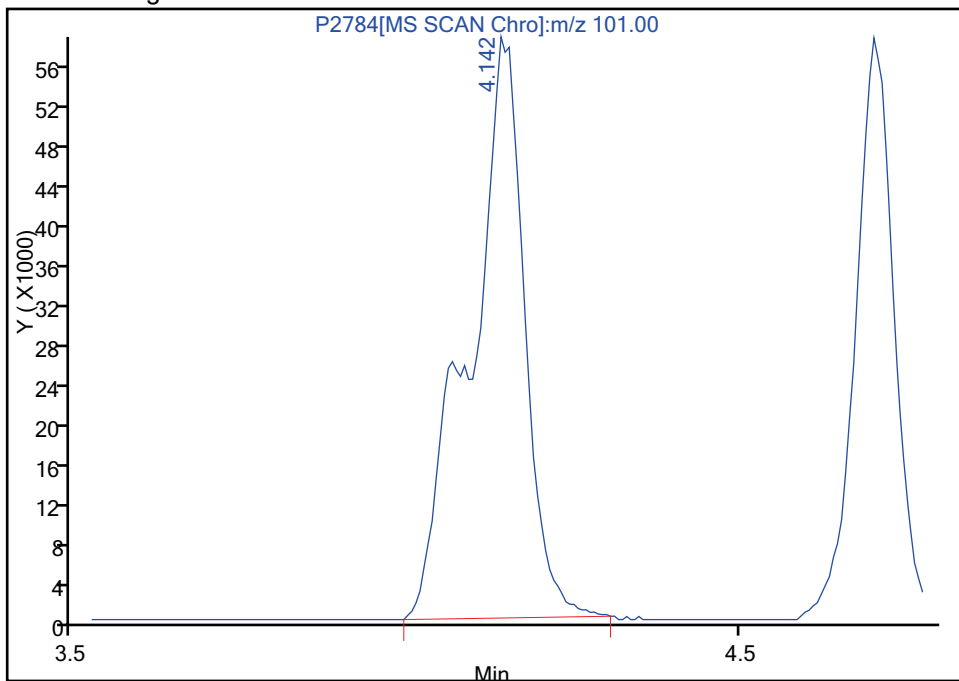
RT: 4.14
Response: 249438
Amount: 16.172972

Processing Integration Results



RT: 4.14
Response: 330852
Amount: 21.451664

Manual Integration Results



Reviewer: quirkp, 25-May-2011 12:02:42
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.: _____

Lab Sample ID: CCVIS 480-17555/2 Calibration Date: 05/25/2011 21:51

Instrument ID: HP5973P Calib Start Date: 05/17/2011 13:55

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 05/17/2011 15:59

Lab File ID: P2807.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	0.4243	0.3687		21.7	25.0	-13.1	50.0
Chloromethane	Ave	0.3233	0.2902	0.1000	22.4	25.0	-10.3	50.0
Vinyl chloride	Ave	0.3011	0.2837		23.6	25.0	-5.8	20.0
Bromomethane	Lin1F		0.0909		18.6	25.0	-25.6	50.0
Chloroethane	Ave	0.1324	0.1022		19.3	25.0	-22.8	50.0
Trichlorofluoromethane	Ave	0.5396	0.4935		22.9	25.0	-8.6	50.0
Acrolein	Ave	0.0430	0.0339		394	500	-21.3	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.3046	0.3577		29.4	25.0	17.4	50.0
1,1-Dichloroethene	Ave	0.3472	0.3608	0.1000	26.0	25.0	3.9	20.0
Acetone	Ave	0.1435	0.1345		117	125	-6.2	50.0
Iodomethane	Ave	0.5062	0.6002		29.6	25.0	18.6	50.0
Carbon disulfide	Ave	0.8364	1.001		29.9	25.0	19.7	50.0
Methyl acetate	Ave	0.5084	0.4863		23.9	25.0	-4.3	50.0
Acetonitrile	Ave	0.0334	0.0314		937	1000	-6.3	50.0
Methylene Chloride	Ave	0.3994	0.4002		25.0	25.0	0.2	50.0
Methyl tert-butyl ether	Ave	0.9698	1.116		28.8	25.0	15.0	50.0
trans-1,2-Dichloroethene	Ave	0.3617	0.3805		26.3	25.0	5.2	50.0
Acrylonitrile	Ave	0.1607	0.1628		127	125	1.3	50.0
Vinyl acetate	Ave	0.6191	0.6611		134	125	6.8	50.0
1,1-Dichloroethane	Ave	0.6129	0.5963		24.3	25.0	-2.7	50.0
2-Butanone (MEK)	Ave	0.2167	0.2099		121	125	-3.2	50.0
2,2-Dichloropropane	Ave	0.4438	0.4701		26.5	25.0	5.9	50.0
cis-1,2-Dichloroethene	Ave	0.3872	0.4177		27.0	25.0	7.9	50.0
Bromochloromethane	Ave	0.2042	0.2242		27.4	25.0	9.8	50.0
Tetrahydrofuran	Ave	0.1359	0.1340		123	125	-1.4	50.0
Chloroform	Ave	0.6426	0.6313		24.6	25.0	-1.8	20.0
1,1,1-Trichloroethane	Ave	0.4940	0.5374		27.2	25.0	8.8	50.0
Cyclohexane	Ave	0.4893	0.5600		28.6	25.0	14.4	50.0
1,1-Dichloropropene	Ave	0.4477	0.4510		25.2	25.0	0.7	50.0
Carbon tetrachloride	Ave	0.4472	0.4832		27.0	25.0	8.0	50.0
Benzene	Ave	1.304	1.361		26.1	25.0	4.4	50.0
1,2-Dichloroethane	Ave	0.5207	0.4986		23.9	25.0	-4.3	50.0
Trichloroethene	Ave	0.3630	0.3708		25.5	25.0	2.2	50.0
Methylcyclohexane	Ave	0.4391	0.5302		30.2	25.0	20.7	50.0
1,2-Dichloropropane	Ave	0.3278	0.3266		24.9	25.0	-0.4	20.0
Dibromomethane	Ave	0.2507	0.2552		25.4	25.0	1.8	50.0
Bromodichloromethane	Ave	0.4138	0.4205		25.4	25.0	1.6	50.0
2-Chloroethyl vinyl ether	Ave	0.2266	0.2445		135	125	7.9	50.0
cis-1,3-Dichloropropene	Ave	0.4876	0.4980		25.5	25.0	2.1	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.9299	0.9654		130	125	3.8	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.: _____

Lab Sample ID: CCVIS 480-17555/2 Calibration Date: 05/25/2011 21:51

Instrument ID: HP5973P Calib Start Date: 05/17/2011 13:55

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 05/17/2011 15:59

Lab File ID: P2807.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	1.841	2.053		27.9	25.0	11.5	20.0
trans-1,3-Dichloropropene	Ave	1.046	1.069		25.5	25.0	2.2	50.0
Ethyl methacrylate	Lin1F		1.132		26.8	25.0	7.2	50.0
1,1,2-Trichloroethane	Ave	0.6161	0.6526		26.5	25.0	5.9	50.0
Tetrachloroethene	Ave	0.9826	1.140		29.0	25.0	16.0	50.0
1,3-Dichloropropane	Ave	1.186	1.236		26.1	25.0	4.2	50.0
2-Hexanone	Ave	0.6769	0.7154		132	125	5.7	50.0
Dibromochloromethane	Lin1F		0.7931		23.8	25.0	-4.8	50.0
1,2-Dibromoethane	Ave	0.7886	0.8892		28.2	25.0	12.8	50.0
Chlorobenzene	Ave	2.214	2.436	0.3000	27.5	25.0	10.0	50.0
Ethylbenzene	Ave	3.387	3.816		28.2	25.0	12.7	20.0
1,1,1,2-Tetrachloroethane	Ave	0.7460	0.8733		29.3	25.0	17.1	50.0
m-Xylene & p-Xylene	Ave	1.322	1.479		55.9	50.0	11.9	50.0
o-Xylene	Ave	1.259	1.479		29.4	25.0	17.5	50.0
Styrene	Ave	2.119	2.481		29.3	25.0	17.1	50.0
Bromoform	LinF		0.6424	0.1000	21.1	25.0	-15.6	50.0
Isopropylbenzene	Ave	2.394	2.565		26.8	25.0	7.1	50.0
1,1,2,2-Tetrachloroethane	Ave	0.8422	0.7957	0.3000	23.6	25.0	-5.5	50.0
Bromobenzene	Ave	0.8460	0.8863		26.2	25.0	4.8	50.0
trans-1,4-Dichloro-2-butene	Ave	0.2193	0.1415		80.7	125	-35.5	50.0
1,2,3-Trichloropropane	Ave	0.2483	0.2323		23.4	25.0	-6.4	50.0
N-Propylbenzene	Ave	3.221	3.147		24.4	25.0	-2.3	50.0
2-Chlorotoluene	Ave	0.6735	0.6968		25.9	25.0	3.5	50.0
1,3,5-Trimethylbenzene	Ave	2.077	2.154		25.9	25.0	3.7	50.0
4-Chlorotoluene	Ave	0.7068	0.7265		25.7	25.0	2.8	50.0
tert-Butylbenzene	Ave	0.4435	0.4850		27.3	25.0	9.4	50.0
1,2,4-Trimethylbenzene	Ave	2.107	2.218		26.3	25.0	5.2	50.0
sec-Butylbenzene	Ave	2.555	2.667		26.1	25.0	4.4	50.0
4-Isopropyltoluene	Ave	2.144	2.330		27.2	25.0	8.7	50.0
1,3-Dichlorobenzene	Ave	1.523	1.542		25.3	25.0	1.2	50.0
1,4-Dichlorobenzene	Ave	1.577	1.593		25.2	25.0	1.0	50.0
n-Butylbenzene	Ave	2.036	2.112		25.9	25.0	3.7	50.0
1,2-Dichlorobenzene	Ave	1.485	1.539		25.9	25.0	3.6	50.0
1,2-Dibromo-3-Chloropropane	Lin1F		0.1439		21.5	25.0	-14.0	50.0
1,2,4-Trichlorobenzene	Ave	1.179	1.357		28.8	25.0	15.1	50.0
Hexachlorobutadiene	Ave	0.3066	0.3715		30.3	25.0	21.2	50.0
Naphthalene	Ave	1.421	1.804		31.7	25.0	27.0	50.0
1,2,3-Trichlorobenzene	Ave	0.6431	0.7939		30.9	25.0	23.5	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2134	0.1672		19.6	25.0	-21.6	50.0
Toluene-d8 (Surr)	Ave	2.513	2.378		23.7	25.0	-5.4	50.0
4-Bromofluorobenzene (Surr)	Ave	1.068	1.160		27.1	25.0	8.6	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3466.b\P2807.D
 Lims ID: CCVIS Client ID:
 Inject. Date: 25-May-2011 21:51:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: CCVIS
 Misc. Info.: 480-0003466-002 =480-0003466-002
 Operator: CDC Instrument ID: HP5973P
 Vol. Injected: 1.0000 ALS Bottle#: 1
 Lims Batch ID: 17555 Lims Sample ID: 2
 Sublist: chrom-P-8260*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973P\20110525-3466.b\P-8260.m
 Last Update: 26-May-2011 15:39:15 Calib Date: 17-May-2011 15:59:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973P\20110517-3207.b\P2557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: cwiklinc

Date: 26-May-2011 00:53:00

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	8.121	8.121	0.0	85	616153	25.0	
* 2 Chlorobenzene-d5	82	11.899	11.899	0.0	54	267739	25.0	
* 3 1,4-Dichlorobenzene-d4	152	15.038	15.038	0.0	71	386715	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	7.683	7.683	0.0	60	103034	19.6	
\$ 5 Toluene-d8 (Surr)	98	9.946	9.946	0.0	92	636601	23.7	
\$ 6 4-Bromofluorobenzene (Surr)	174	13.511	13.511	0.0	96	310515	27.1	
10 Dichlorodifluoromethane	85	2.840	2.840	0.0	87	227181	21.7	
11 Chloromethane	50	3.053	3.053	0.0	88	178789	22.4	
17 Vinyl chloride	62	3.230	3.230	0.0	83	174826	23.6	
12 Bromomethane	94	3.668	3.668	0.0	89	55980	18.6	
13 Chloroethane	64	3.783	3.783	0.0	93	62996	19.3	
14 Trichlorofluoromethane	101	4.136	4.136	0.0	84	304039	22.9	M
22 Acrolein	56	4.623	4.623	0.0	95	417314	393.6	
16 1,1,2-Trichloro-1,2,2-trifluoroethane	101	4.696	4.696	0.0	74	220401	29.4	
25 1,1-Dichloroethene	96	4.726	4.726	0.0	89	222305	26.0	
24 Acetone	43	4.793	4.793	0.0	100	414413	117.2	
18 Iodomethane	142	4.951	4.951	0.0	96	369804	29.6	
27 Carbon disulfide	76	5.037	5.037	0.0	99	616746	29.9	
30 Methyl acetate	43	5.128	5.128	0.0	96	299655	23.9	
29 Acetonitrile	40	5.158	5.158	0.0	99	772656	937.4	
31 Methylene Chloride	84	5.304	5.304	0.0	85	246562	25.0	
32 Methyl tert-butyl ether	73	5.542	5.542	0.0	89	687407	28.8	
35 trans-1,2-Dichloroethene	96	5.578	5.578	0.0	96	234451	26.3	
34 Acrylonitrile	53	5.590	5.590	0.0	98	501534	126.6	
38 Vinyl acetate	43	6.053	6.053	0.0	97	2036590	133.5	
40 1,1-Dichloroethane	63	6.071	6.071	0.0	84	367414	24.3	
44 2-Butanone (MEK)	43	6.716	6.716	0.0	100	646499	121.0	
45 2,2-Dichloropropane	77	6.722	6.722	0.0	78	289673	26.5	
43 cis-1,2-Dichloroethene	96	6.728	6.728	0.0	68	257388	27.0	
50 Chlorobromomethane	128	7.026	7.026	0.0	73	138113	27.4	

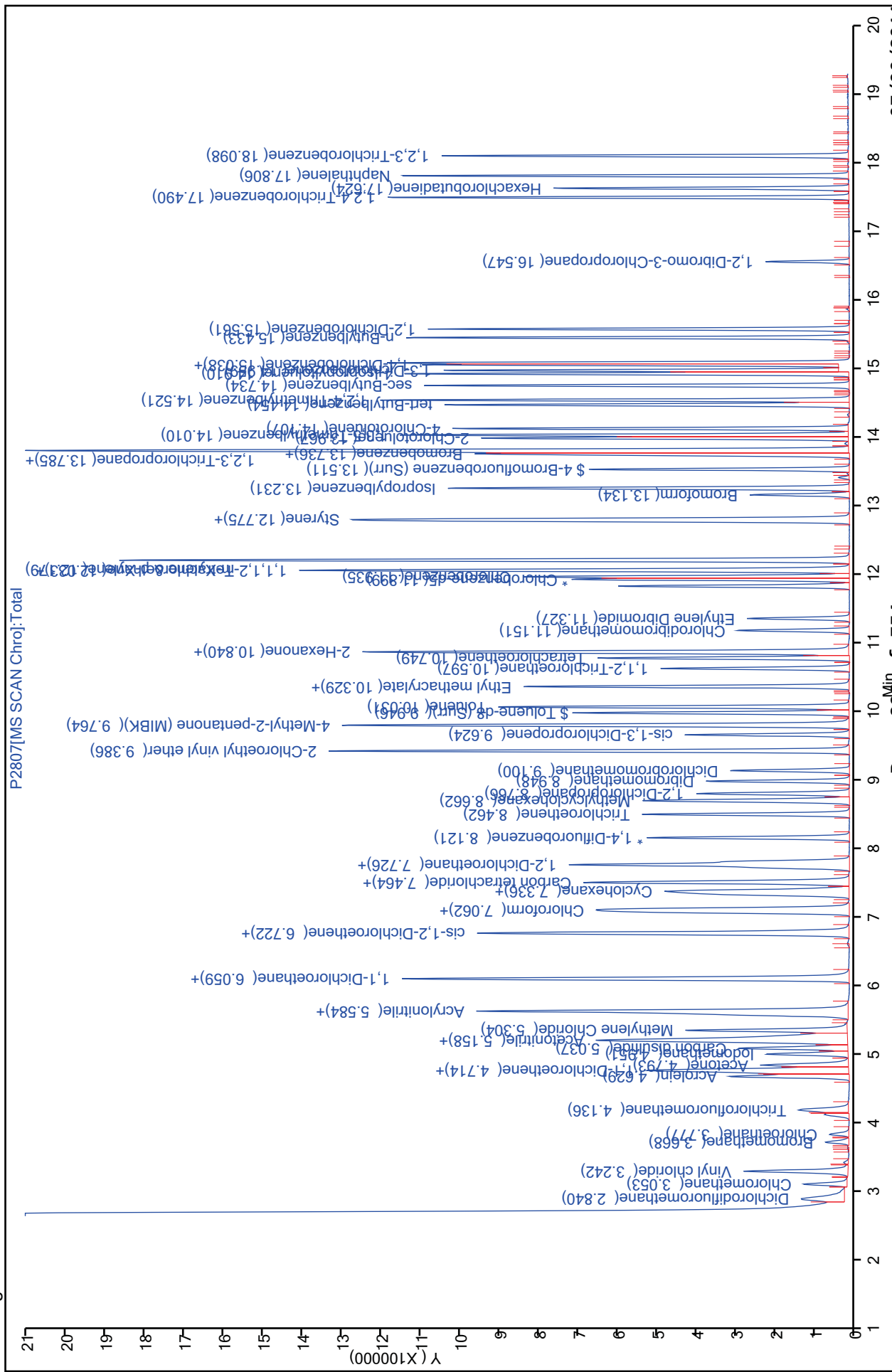
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
51 Tetrahydrofuran	42	7.056	7.056	0.0	87	412829	123.3	
49 Chloroform	83	7.081	7.081	0.0	69	388949	24.6	
52 1,1,1-Trichloroethane	97	7.294	7.294	0.0	89	331089	27.2	
54 Cyclohexane	56	7.336	7.336	0.0	90	345021	28.6	
56 1,1-Dichloropropene	75	7.464	7.464	0.0	94	277902	25.2	
55 Carbon tetrachloride	117	7.482	7.482	0.0	78	297698	27.0	
57 Benzene	78	7.726	7.726	0.0	81	838507	26.1	
60 1,2-Dichloroethane	62	7.768	7.768	0.0	79	307208	23.9	
62 Trichloroethene	95	8.462	8.462	0.0	91	228474	25.5	
64 Methylcyclohexane	83	8.662	8.662	0.0	90	326652	30.2	
63 1,2-Dichloropropane	63	8.766	8.766	0.0	93	201257	24.9	
69 Dibromomethane	93	8.948	8.948	0.0	80	157225	25.4	
70 Dichlorobromomethane	83	9.100	9.100	0.0	93	259084	25.4	
71 2-Chloroethyl vinyl ether	63	9.386	9.386	0.0	92	753110	134.8	
73 cis-1,3-Dichloropropene	75	9.624	9.624	0.0	91	306829	25.5	
75 4-Methyl-2-pentanone (MIBK)	43	9.764	9.764	0.0	96	1292348	129.8	
76 Toluene	92	10.031	10.031	0.0	99	549535	27.9	
78 trans-1,3-Dichloropropene	75	10.329	10.329	0.0	93	286173	25.5	
77 Ethyl methacrylate	69	10.335	10.335	0.0	83	303121	26.8	
79 1,1,2-Trichloroethane	83	10.597	10.597	0.0	85	174713	26.5	
80 Tetrachloroethene	166	10.749	10.749	0.0	90	305160	29.0	
82 1,3-Dichloropropane	76	10.822	10.822	0.0	98	330899	26.1	
83 2-Hexanone	43	10.840	10.840	0.0	96	957695	132.1	
81 Chlorodibromomethane	129	11.151	11.151	0.0	99	212351	23.8	
85 Ethylene Dibromide	107	11.327	11.327	0.0	98	238072	28.2	
87 Chlorobenzene	112	11.941	11.941	0.0	95	652214	27.5	
89 Ethylbenzene	91	12.027	12.027	0.0	98	1021785	28.2	
88 1,1,1,2-Tetrachloroethane	131	12.039	12.039	0.0	88	233824	29.3	
90 m-Xylene & p-Xylene	106	12.179	12.179	0.0	97	792084	55.9	
93 o-Xylene	106	12.757	12.757	0.0	93	396064	29.4	
94 Styrene	104	12.781	12.781	0.0	94	664299	29.3	
92 Bromoform	173	13.134	13.134	0.0	96	171999	21.1	
95 Isopropylbenzene	105	13.231	13.231	0.0	95	992050	26.8	
97 1,1,2,2-Tetrachloroethane	83	13.718	13.718	0.0	81	307701	23.6	
100 Bromobenzene	156	13.742	13.742	0.0	61	342727	26.2	
98 trans-1,4-Dichloro-2-butene	53	13.773	13.773	0.0	81	273643	80.7	
101 1,2,3-Trichloropropane	110	13.791	13.791	0.0	71	89851	23.4	
99 N-Propylbenzene	91	13.791	13.791	0.0	93	1216961	24.4	
103 2-Chlorotoluene	126	13.967	13.967	0.0	93	269475	25.9	
102 1,3,5-Trimethylbenzene	105	14.010	14.010	0.0	68	833098	25.9	
105 4-Chlorotoluene	126	14.107	14.107	0.0	96	280930	25.7	
106 tert-Butylbenzene	134	14.454	14.454	0.0	89	187565	27.3	
107 1,2,4-Trimethylbenzene	105	14.521	14.521	0.0	96	857637	26.3	
109 sec-Butylbenzene	105	14.734	14.734	0.0	93	1031222	26.1	
112 4-Isopropyltoluene	119	14.904	14.904	0.0	88	900882	27.2	
110 1,3-Dichlorobenzene	146	14.959	14.959	0.0	96	596445	25.3	
111 1,4-Dichlorobenzene	146	15.068	15.068	0.0	85	616000	25.2	
115 n-Butylbenzene	91	15.433	15.433	0.0	94	816621	25.9	
116 1,2-Dichlorobenzene	146	15.561	15.561	0.0	98	595150	25.9	
117 1,2-Dibromo-3-Chloropropane	75	16.547	16.547	0.0	86	55633	21.5	
119 1,2,4-Trichlorobenzene	180	17.490	17.490	0.0	88	524679	28.8	
120 Hexachlorobutadiene	225	17.624	17.624	0.0	89	228928	30.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	17.806	17.806	0.0	97	1111232	31.7	
122 1,2,3-Trichlorobenzene	180	18.098	18.098	0.0	92	489167	30.9	
S 125 Total BTEX	1				0		167.5	
S 126 Xylenes, Total	1				0		85.3	
S 123 1,2-Dichloroethene, Total	1				0		53.3	
S 124 1,3-Dichloropropene, Total	1				0		51.1	

QC Flag Legend

Review Flags

M - Manually Integrated

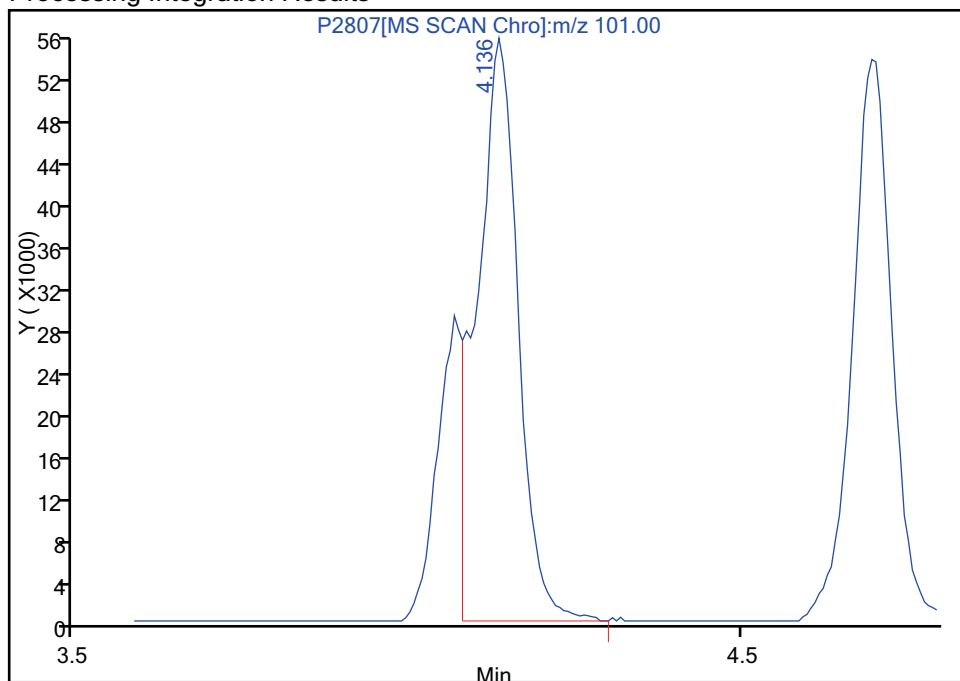


Data File: \\Bufchrom\ChromData\HP5973P\20110525-3466.b\P2807.D
Injection Date: 25-May-2011 21:51:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973P
Lims Batch ID: 17555 Lims Sample ID: 2
Operator ID: CDC
Column Type: ZB-624 Column Dia: 0.25 mm

14 Trichlorofluoromethane, Signal: 1, m/z: 101.0 Type: quant, RT: 4.14

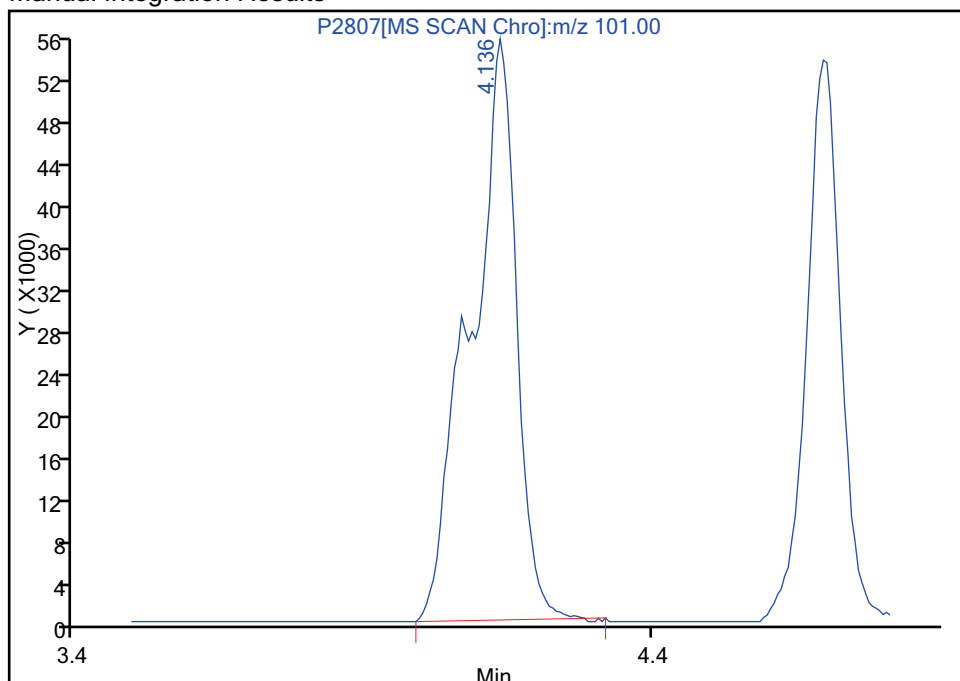
RT: 4.14
Response: 240511
Amount: 18.084058

Processing Integration Results



RT: 4.14
Response: 304039
Amount: 22.860738

Manual Integration Results



Reviewer: quirkp, 26-May-2011 15:39:15
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.: _____

Lab Sample ID: CCVIS 480-17618/2 Calibration Date: 05/26/2011 10:19

Instrument ID: HP5973P Calib Start Date: 05/17/2011 13:55

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 05/17/2011 15:59

Lab File ID: P2832.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	0.4243	0.3961		23.3	25.0	-6.7	50.0
Chloromethane	Ave	0.3233	0.3134	0.1000	24.2	25.0	-3.1	50.0
Vinyl chloride	Ave	0.3011	0.2983		24.8	25.0	-0.9	20.0
Bromomethane	Lin1F		0.1230		25.2	25.0	0.8	50.0
Chloroethane	Ave	0.1324	0.1188		22.4	25.0	-10.3	50.0
Trichlorofluoromethane	Ave	0.5396	0.5522		25.6	25.0	2.3	50.0
Acrolein	Ave	0.0430	0.0371		431	500	-13.8	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.3046	0.3579		29.4	25.0	17.5	50.0
1,1-Dichloroethene	Ave	0.3472	0.3728	0.1000	26.8	25.0	7.4	20.0
Acetone	Ave	0.1435	0.1430		125	125	-0.3	50.0
Iodomethane	Ave	0.5062	0.5826		28.8	25.0	15.1	50.0
Carbon disulfide	Ave	0.8364	1.037		31.0	25.0	23.9	50.0
Methyl acetate	Ave	0.5084	0.4954		24.4	25.0	-2.6	50.0
Acetonitrile	Ave	0.0334	0.0324		968	1000	-3.2	50.0
Methylene Chloride	Ave	0.3994	0.4066		25.5	25.0	1.8	50.0
Methyl tert-butyl ether	Ave	0.9698	1.119		28.9	25.0	15.4	50.0
trans-1,2-Dichloroethene	Ave	0.3617	0.3756		26.0	25.0	3.8	50.0
Acrylonitrile	Ave	0.1607	0.1632		127	125	1.6	50.0
Vinyl acetate	Ave	0.6191	0.6675		135	125	7.8	50.0
1,1-Dichloroethane	Ave	0.6129	0.6060		24.7	25.0	-1.1	50.0
2-Butanone (MEK)	Ave	0.2167	0.2176		126	125	0.4	50.0
2,2-Dichloropropane	Ave	0.4438	0.4877		27.5	25.0	9.9	50.0
cis-1,2-Dichloroethene	Ave	0.3872	0.4089		26.4	25.0	5.6	50.0
Bromochloromethane	Ave	0.2042	0.2174		26.6	25.0	6.5	50.0
Tetrahydrofuran	Ave	0.1359	0.1366		126	125	0.6	50.0
Chloroform	Ave	0.6426	0.6401		24.9	25.0	-0.4	20.0
1,1,1-Trichloroethane	Ave	0.4940	0.5491		27.8	25.0	11.2	50.0
Cyclohexane	Ave	0.4893	0.5436		27.8	25.0	11.1	50.0
1,1-Dichloropropene	Ave	0.4477	0.4671		26.1	25.0	4.3	50.0
Carbon tetrachloride	Ave	0.4472	0.5109		28.6	25.0	14.2	50.0
Benzene	Ave	1.304	1.384		26.5	25.0	6.1	50.0
1,2-Dichloroethane	Ave	0.5207	0.5253		25.2	25.0	0.9	50.0
Trichloroethene	Ave	0.3630	0.3795		26.1	25.0	4.5	50.0
Methylcyclohexane	Ave	0.4391	0.5046		28.7	25.0	14.9	50.0
1,2-Dichloropropane	Ave	0.3278	0.3280		25.0	25.0	0.0	20.0
Dibromomethane	Ave	0.2507	0.2618		26.1	25.0	4.4	50.0
Bromodichloromethane	Ave	0.4138	0.4537		27.4	25.0	9.7	50.0
2-Chloroethyl vinyl ether	Ave	0.2266	0.2539		140	125	12.0	50.0
cis-1,3-Dichloropropene	Ave	0.4876	0.5407		27.7	25.0	10.9	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.9299	0.9767		131	125	5.0	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.: _____

Lab Sample ID: CCVIS 480-17618/2 Calibration Date: 05/26/2011 10:19

Instrument ID: HP5973P Calib Start Date: 05/17/2011 13:55

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 05/17/2011 15:59

Lab File ID: P2832.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	1.841	2.020		27.4	25.0	9.7	20.0
trans-1,3-Dichloropropene	Ave	1.046	1.167		27.9	25.0	11.6	50.0
Ethyl methacrylate	Lin1F		1.125		26.6	25.0	6.4	50.0
1,1,2-Trichloroethane	Ave	0.6161	0.6501		26.4	25.0	5.5	50.0
Tetrachloroethene	Ave	0.9826	1.114		28.3	25.0	13.3	50.0
1,3-Dichloropropane	Ave	1.186	1.246		26.3	25.0	5.1	50.0
2-Hexanone	Ave	0.6769	0.7366		136	125	8.8	50.0
Dibromochloromethane	Lin1F		0.8881		26.6	25.0	6.4	50.0
1,2-Dibromoethane	Ave	0.7886	0.9091		28.8	25.0	15.3	50.0
Chlorobenzene	Ave	2.214	2.427	0.3000	27.4	25.0	9.6	50.0
Ethylbenzene	Ave	3.387	3.802		28.1	25.0	12.3	20.0
1,1,1,2-Tetrachloroethane	Ave	0.7460	0.8613		28.9	25.0	15.5	50.0
m-Xylene & p-Xylene	Ave	1.322	1.482		56.0	50.0	12.1	50.0
o-Xylene	Ave	1.259	1.458		29.0	25.0	15.9	50.0
Styrene	Ave	2.119	2.490		29.4	25.0	17.5	50.0
Bromoform	LinF		0.7546	0.1000	24.7	25.0	-1.2	50.0
Isopropylbenzene	Ave	2.394	2.570		26.8	25.0	7.3	50.0
1,1,2,2-Tetrachloroethane	Ave	0.8422	0.8214	0.3000	24.4	25.0	-2.5	50.0
Bromobenzene	Ave	0.8460	0.8988		26.6	25.0	6.2	50.0
trans-1,4-Dichloro-2-butene	Ave	0.2193	0.1955		112	125	-10.8	50.0
1,2,3-Trichloropropane	Ave	0.2483	0.2439		24.6	25.0	-1.8	50.0
N-Propylbenzene	Ave	3.221	3.260		25.3	25.0	1.2	50.0
2-Chlorotoluene	Ave	0.6735	0.6957		25.8	25.0	3.3	50.0
1,3,5-Trimethylbenzene	Ave	2.077	2.168		26.1	25.0	4.3	50.0
4-Chlorotoluene	Ave	0.7068	0.7355		26.0	25.0	4.1	50.0
tert-Butylbenzene	Ave	0.4435	0.4783		27.0	25.0	7.8	50.0
1,2,4-Trimethylbenzene	Ave	2.107	2.240		26.6	25.0	6.3	50.0
sec-Butylbenzene	Ave	2.555	2.723		26.6	25.0	6.6	50.0
4-Isopropyltoluene	Ave	2.144	2.344		27.3	25.0	9.3	50.0
1,3-Dichlorobenzene	Ave	1.523	1.555		25.5	25.0	2.0	50.0
1,4-Dichlorobenzene	Ave	1.577	1.603		25.4	25.0	1.6	50.0
n-Butylbenzene	Ave	2.036	2.178		26.7	25.0	7.0	50.0
1,2-Dichlorobenzene	Ave	1.485	1.558		26.2	25.0	4.9	50.0
1,2-Dibromo-3-Chloropropane	Lin1F		0.1515		22.7	25.0	-9.2	50.0
1,2,4-Trichlorobenzene	Ave	1.179	1.346		28.5	25.0	14.2	50.0
Hexachlorobutadiene	Ave	0.3066	0.3870		31.6	25.0	26.2	50.0
Naphthalene	Ave	1.421	1.924		33.9	25.0	35.4	50.0
1,2,3-Trichlorobenzene	Ave	0.6431	0.8145		31.7	25.0	26.7	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2134	0.1764		20.7	25.0	-17.3	50.0
Toluene-d8 (Surr)	Ave	2.513	2.378		23.7	25.0	-5.4	50.0
4-Bromofluorobenzene (Surr)	Ave	1.068	1.178		27.6	25.0	10.3	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110526-3476.b\P2832.D
 Lims ID: CCVIS Client ID:
 Inject. Date: 26-May-2011 10:19:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: CCVIS
 Misc. Info.: 480-0003476-002 =480-0003476-002
 Operator: PJQ Instrument ID: HP5973P
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 17618 Lims Sample ID: 2
 Sublist: chrom-P-8260*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973P\20110526-3476.b\P-8260.m
 Last Update: 26-May-2011 10:43:12 Calib Date: 17-May-2011 15:59:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973P\20110517-3207.b\P2557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 26-May-2011 10:41:32

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	8.121	8.121	0.0	93	556304	25.0	
* 2 Chlorobenzene-d5	82	11.899	11.899	0.0	54	251582	25.0	
* 3 1,4-Dichlorobenzene-d4	152	15.038	15.038	0.0	72	357703	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	7.683	7.683	0.0	99	98142	20.7	
\$ 5 Toluene-d8 (Surr)	98	9.946	9.946	0.0	92	598271	23.7	
\$ 6 4-Bromofluorobenzene (Surr)	174	13.511	13.511	0.0	96	296389	27.6	
10 Dichlorodifluoromethane	85	2.840	2.840	0.0	87	220339	23.3	
11 Chloromethane	50	3.047	3.047	0.0	89	174321	24.2	
17 Vinyl chloride	62	3.236	3.236	0.0	84	165955	24.8	
12 Bromomethane	94	3.662	3.662	0.0	88	68395	25.2	
13 Chloroethane	64	3.783	3.783	0.0	92	66062	22.4	
14 Trichlorofluoromethane	101	4.142	4.142	0.0	86	307205	25.6	M
22 Acrolein	56	4.629	4.629	0.0	96	412824	431.2	
16 1,1,2-Trichloro-1,2,2-trifluoroethane	101	4.696	4.696	0.0	74	199100	29.4	
25 1,1-Dichloroethene	96	4.726	4.726	0.0	89	207404	26.8	
24 Acetone	43	4.793	4.793	0.0	97	397668	124.6	
18 Iodomethane	142	4.958	4.958	0.0	97	324117	28.8	
27 Carbon disulfide	76	5.049	5.049	0.0	99	576695	31.0	
30 Methyl acetate	43	5.128	5.128	0.0	90	275613	24.4	
29 Acetonitrile	40	5.158	5.158	0.0	99	720344	968.0	
31 Methylene Chloride	84	5.304	5.304	0.0	85	226204	25.5	
32 Methyl tert-butyl ether	73	5.542	5.542	0.0	88	622619	28.9	
35 trans-1,2-Dichloroethene	96	5.578	5.578	0.0	96	208933	26.0	
34 Acrylonitrile	53	5.590	5.590	0.0	97	454041	127.0	
38 Vinyl acetate	43	6.053	6.053	0.0	97	1856646	134.8	
40 1,1-Dichloroethane	63	6.071	6.071	0.0	84	337114	24.7	
44 2-Butanone (MEK)	43	6.716	6.716	0.0	100	605311	125.5	
45 2,2-Dichloropropane	77	6.722	6.722	0.0	50	271334	27.5	
43 cis-1,2-Dichloroethene	96	6.728	6.728	0.0	68	227466	26.4	
50 Chlorobromomethane	128	7.026	7.026	0.0	74	120912	26.6	

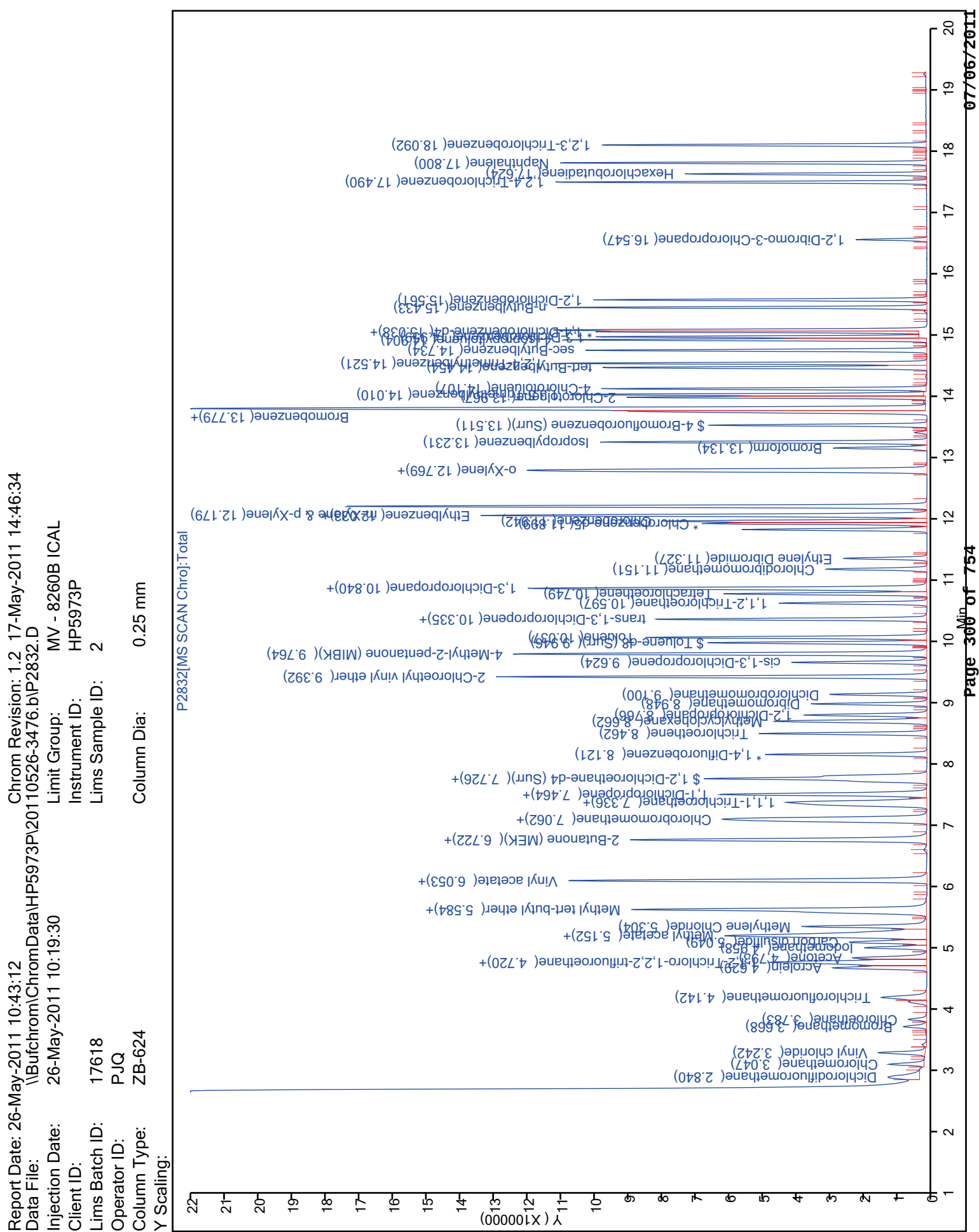
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
51 Tetrahydrofuran	42	7.056	7.056	0.0	87	380067	125.7	
49 Chloroform	83	7.081	7.081	0.0	69	356089	24.9	
52 1,1,1-Trichloroethane	97	7.294	7.294	0.0	89	305465	27.8	
54 Cyclohexane	56	7.342	7.342	0.0	91	302417	27.8	
56 1,1-Dichloropropene	75	7.458	7.458	0.0	93	259842	26.1	
55 Carbon tetrachloride	117	7.476	7.476	0.0	78	284209	28.6	
57 Benzene	78	7.726	7.726	0.0	81	769678	26.5	
60 1,2-Dichloroethane	62	7.768	7.768	0.0	79	292215	25.2	
62 Trichloroethene	95	8.462	8.462	0.0	91	211090	26.1	
64 Methylcyclohexane	83	8.662	8.662	0.0	91	280693	28.7	
63 1,2-Dichloropropane	63	8.766	8.766	0.0	91	182476	25.0	
69 Dibromomethane	93	8.948	8.948	0.0	80	145641	26.1	
70 Dichlorobromomethane	83	9.100	9.100	0.0	93	252413	27.4	
71 2-Chloroethyl vinyl ether	63	9.392	9.392	0.0	92	706118	140.0	
73 cis-1,3-Dichloropropene	75	9.624	9.624	0.0	91	300768	27.7	
75 4-Methyl-2-pentanone (MIBK)	43	9.764	9.764	0.0	97	1228648	131.3	
76 Toluene	92	10.037	10.037	0.0	98	508185	27.4	
78 trans-1,3-Dichloropropene	75	10.329	10.329	0.0	93	293671	27.9	
77 Ethyl methacrylate	69	10.335	10.335	0.0	90	283034	26.6	
79 1,1,2-Trichloroethane	83	10.597	10.597	0.0	85	163559	26.4	
80 Tetrachloroethene	166	10.749	10.749	0.0	91	280181	28.3	
82 1,3-Dichloropropane	76	10.822	10.822	0.0	97	313571	26.3	
83 2-Hexanone	43	10.840	10.840	0.0	97	926564	136.0	
81 Chlorodibromomethane	129	11.151	11.151	0.0	99	223437	26.6	
85 Ethylene Dibromide	107	11.327	11.327	0.0	98	228711	28.8	
87 Chlorobenzene	112	11.942	11.942	0.0	95	610500	27.4	
89 Ethylbenzene	91	12.027	12.027	0.0	98	956560	28.1	
88 1,1,1,2-Tetrachloroethane	131	12.045	12.045	0.0	89	216687	28.9	
90 m-Xylene & p-Xylene	106	12.179	12.179	0.0	98	745819	56.0	
93 o-Xylene	106	12.757	12.757	0.0	94	366836	29.0	
94 Styrene	104	12.781	12.781	0.0	93	626473	29.4	
92 Bromoform	173	13.134	13.134	0.0	97	189840	24.7	
95 Isopropylbenzene	105	13.231	13.231	0.0	95	919235	26.8	
97 1,1,2,2-Tetrachloroethane	83	13.718	13.718	0.0	80	293828	24.4	
100 Bromobenzene	156	13.742	13.742	0.0	53	321485	26.6	
98 trans-1,4-Dichloro-2-butene	53	13.773	13.773	0.0	85	349732	111.5	
101 1,2,3-Trichloropropane	110	13.791	13.791	0.0	71	87259	24.6	
99 N-Propylbenzene	91	13.791	13.791	0.0	95	1166127	25.3	
103 2-Chlorotoluene	126	13.967	13.967	0.0	93	248840	25.8	
102 1,3,5-Trimethylbenzene	105	14.010	14.010	0.0	68	775323	26.1	
105 4-Chlorotoluene	126	14.107	14.107	0.0	97	263099	26.0	
106 tert-Butylbenzene	134	14.448	14.448	0.0	84	171077	27.0	
107 1,2,4-Trimethylbenzene	105	14.521	14.521	0.0	96	801326	26.6	
109 sec-Butylbenzene	105	14.734	14.734	0.0	93	973938	26.6	
112 4-Isopropyltoluene	119	14.904	14.904	0.0	88	838523	27.3	
110 1,3-Dichlorobenzene	146	14.959	14.959	0.0	96	556085	25.5	
111 1,4-Dichlorobenzene	146	15.068	15.068	0.0	84	573388	25.4	
115 n-Butylbenzene	91	15.433	15.433	0.0	94	778943	26.7	
116 1,2-Dichlorobenzene	146	15.561	15.561	0.0	98	557285	26.2	
117 1,2-Dibromo-3-Chloropropane	75	16.547	16.547	0.0	86	54201	22.7	
119 1,2,4-Trichlorobenzene	180	17.490	17.490	0.0	91	481597	28.5	
120 Hexachlorobutadiene	225	17.624	17.624	0.0	90	215280	31.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	17.806	17.806	0.0	97	1070372	33.9	
122 1,2,3-Trichlorobenzene	180	18.098	18.098	0.0	92	453086	31.7	
S 123 1,2-Dichloroethene, Total	1				0		52.4	
S 124 1,3-Dichloropropene, Total	1				0		55.6	
S 125 Total BTEX	1				0		167.0	
S 126 Xylenes, Total	1				0		85.0	

QC Flag Legend

Review Flags

M - Manually Integrated

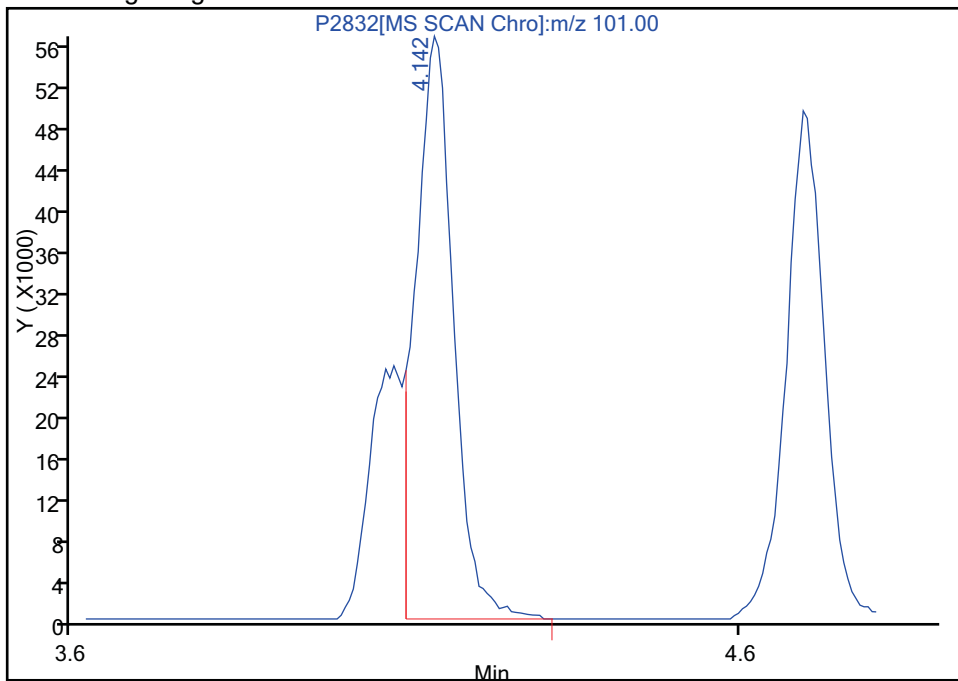


Data File: \\Bufchrom\ChromData\HP5973P\20110526-3476.b\P2832.D
Injection Date: 26-May-2011 10:19:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973P
Lims Batch ID: 17618 Lims Sample ID: 2
Operator ID: PJQ
Column Type: ZB-624 Column Dia: 0.25 mm

14 Trichlorofluoromethane, Signal: 1, m/z: 101.0 Type: quant, RT: 4.14

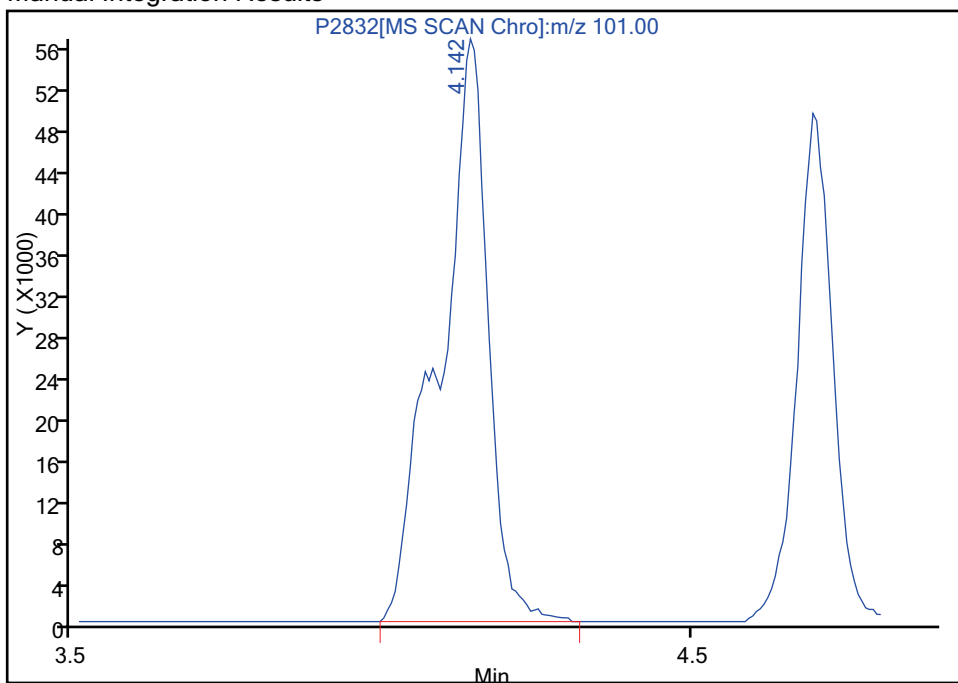
RT: 4.14
Response: 223626
Amount: 18.623428

Processing Integration Results



RT: 4.14
Response: 307205
Amount: 25.583833

Manual Integration Results



Reviewer: quirkp, 26-May-2011 10:41:32
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20110518-3245.b\N7565.D
Lims ID: BFB Client ID:
Inject. Date: 18-May-2011 12:43:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.: 480-0003245-001
Operator: LH Instrument ID: HP5973N
Vol. Injected: 1.0000 ALS Bottle#: 4
Lims Batch ID: 16584 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973N\20110518-3245.b\N-8260.m
Last Update: 18-May-2011 12:50:30 Calib Date: 28-Apr-2011 21:57:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973N\20110428-2670.b\N6814.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-19

First Level Reviewer: HillL

Date: 18-May-2011 12:50:30

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
\$ 4 BFB	95	3.394	3.394	0.0	88	163864	0	

Data File: \\Bufchrom\ChromData\HP5973N\20110518-3245.b\N7565.D

Injection Date: 18-May-2011 12:43:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 16584

Lims Sample ID: 1

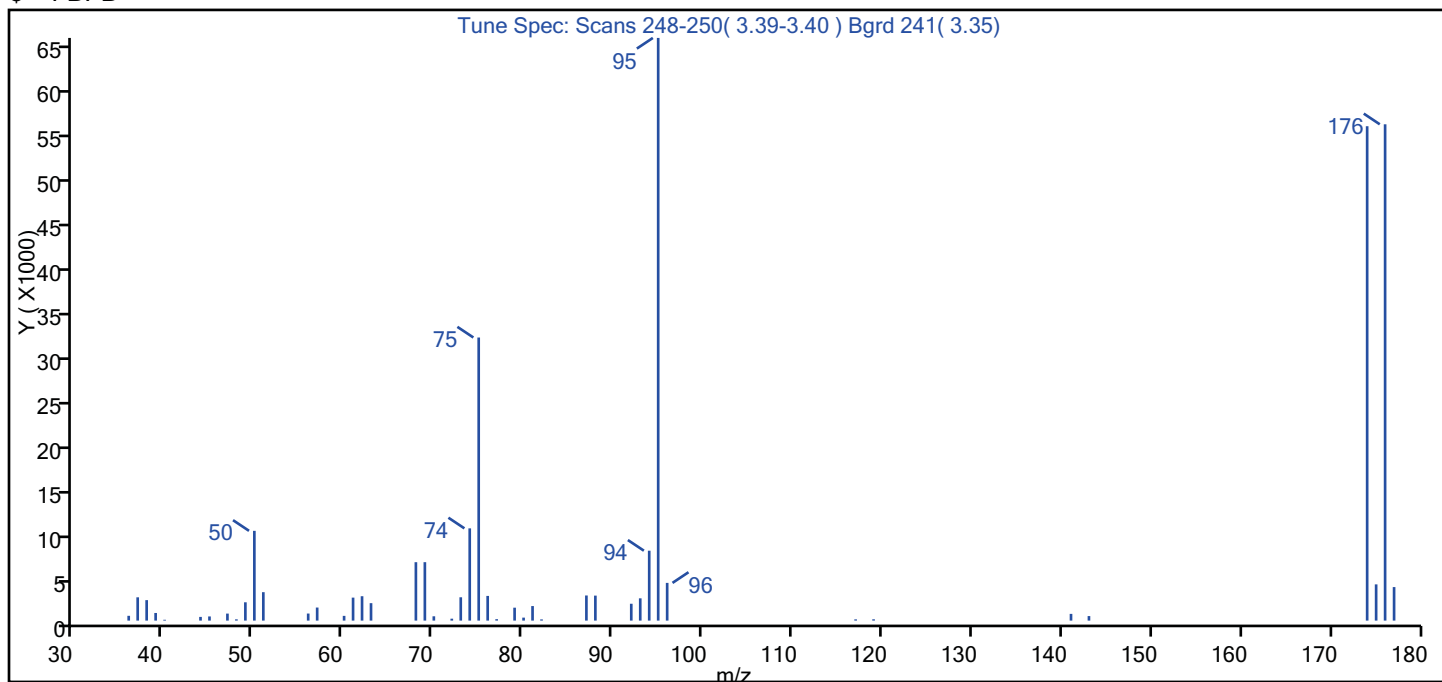
Operator ID: LH

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	15.41
75	30.00 - 60.00% of mass 95	48.58
96	5.00 - 9.00% of mass 95	6.47
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	84.85
175	5.00 - 9.00% of mass 174	6.22 (7.33)
176	95.00 - 101.00% of mass 174	85.18 (100.39)
177	5.00 - 9.00% of mass 176	5.75 (6.75)

Data File: \\Bufchrom\ChromData\HP5973N\20110518-3245.b\N7565.D\N-8260.rslt\spectra.d

Injection Date: 18-May-2011 12:43:30

Spectrum: Tune Spec: Scans 248-250(3.39-3.40) Bgrd 241(3.35)

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	536	56.00	790	75.00	31704	95.00	65256
37.00	2607	57.00	1462	76.00	2764	96.00	4223
38.00	2292	60.00	530	77.00	160	117.00	139
39.00	853	61.00	2573	79.00	1447	119.00	146
40.00	94	62.00	2730	80.00	333	141.00	752
44.00	414	63.00	1953	81.00	1628	143.00	507
45.00	466	68.00	6541	82.00	134	174.00	55368
47.00	785	69.00	6543	87.00	2813	175.00	4057
48.00	142	70.00	482	88.00	2798	176.00	55584
49.00	2050	72.00	214	92.00	1887	177.00	3754
50.00	10053	73.00	2612	93.00	2494		
51.00	3183	74.00	10330	94.00	7828		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20110525-3464.b\N7885.D
Lims ID: BFB Client ID:
Inject. Date: 25-May-2011 21:39:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.: 480-0003464-001
Operator: NMD Instrument ID: HP5973N
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 17553 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973N\20110525-3464.b\N-8260.m
Last Update: 25-May-2011 22:47:23 Calib Date: 18-May-2011 16:42:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973N\20110518-3245.b\N7574.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-19

First Level Reviewer: diasn

Date: 25-May-2011 22:47:22

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
\$ 4 BFB	95	3.357	3.357	0.0	84	74162	0	

Data File: \\Bufchrom\ChromData\HP5973N\20110525-3464.b\N7885.D

Injection Date: 25-May-2011 21:39:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 17553

Lims Sample ID: 1

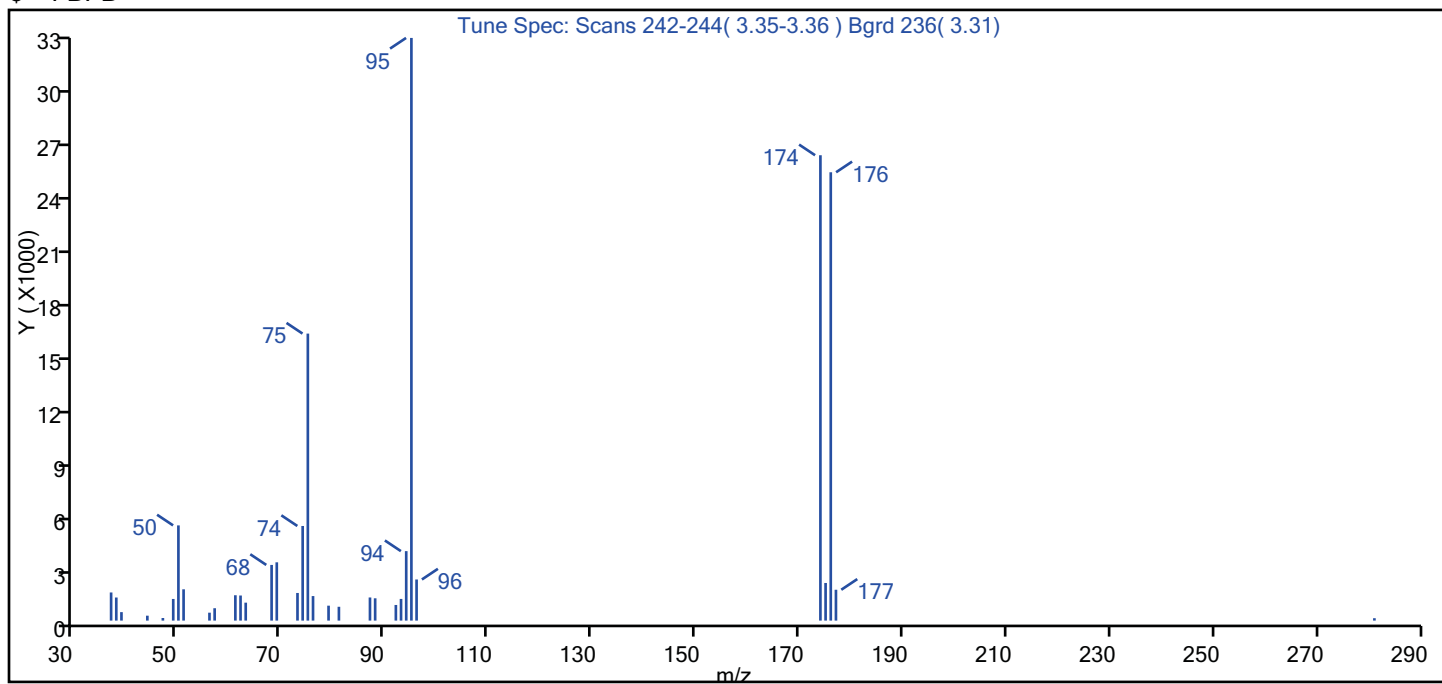
Operator ID: NMD

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	16.34
75	30.00 - 60.00% of mass 95	49.26
96	5.00 - 9.00% of mass 95	7.06
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	79.87
175	5.00 - 9.00% of mass 174	6.46 (8.08)
176	95.00 - 101.00% of mass 174	76.95 (96.34)
177	5.00 - 9.00% of mass 176	5.29 (6.88)

Data File: \\Bufchrom\ChromData\HP5973N\20110525-3464.b\N7885.D\N-8260.rslt\spectra.d

Injection Date: 25-May-2011 21:39:30

Spectrum: Tune Spec: Scans 242-244(3.35-3.36) Bgrd 236(3.31)

Base Peak: 95.00

Minimum % Base Peak: 0

Number of Points: 33

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	1573	57.00	692	76.00	1372	96.00	2299
38.00	1291	61.00	1418	79.00	835	174.00	26024
39.00	474	62.00	1403	81.00	773	175.00	2104
44.00	275	63.00	1003	87.00	1293	176.00	25072
47.00	145	68.00	3113	88.00	1247	177.00	1725
49.00	1210	69.00	3259	92.00	874	281.00	134
50.00	5324	73.00	1545	93.00	1212		
51.00	1750	74.00	5291	94.00	3885		
56.00	443	75.00	16050	95.00	32584		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20110526-3480.b\N7900.D
Lims ID: BFB Client ID:
Inject. Date: 26-May-2011 10:21:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.: 480-0003480-001
Operator: LH Instrument ID: HP5973N
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 17630 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973N\20110526-3480.b\N-8260.m
Last Update: 26-May-2011 10:30:18 Calib Date: 18-May-2011 16:42:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973N\20110518-3245.b\N7574.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-19

First Level Reviewer: HillL

Date: 26-May-2011 10:30:18

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
\$ 4 BFB	95	3.430	3.430	0.0	87	144537	0	

Data File: \\Bufchrom\ChromData\HP5973N\20110526-3480.b\N7900.D

Injection Date: 26-May-2011 10:21:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 17630

Lims Sample ID: 1

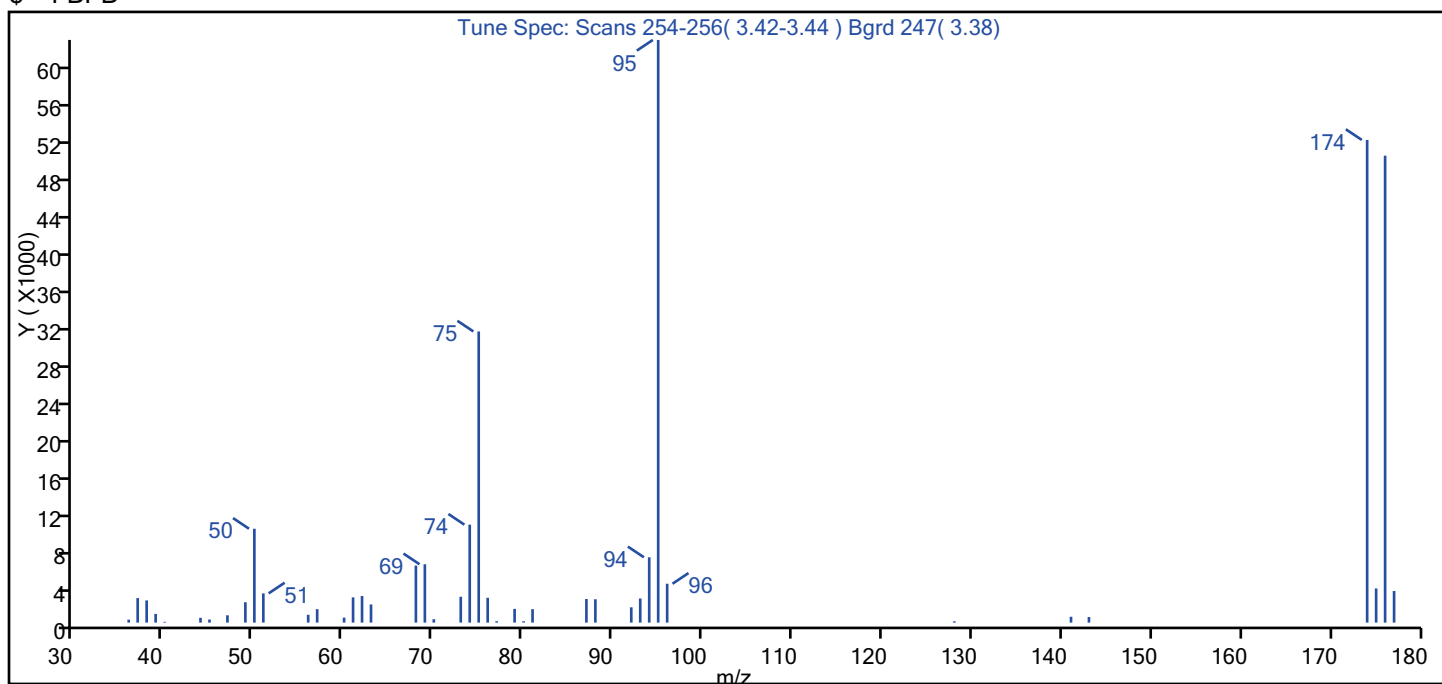
Operator ID: LH

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	16.11
75	30.00 - 60.00% of mass 95	49.97
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	82.84
175	5.00 - 9.00% of mass 174	5.86 (7.07)
176	95.00 - 101.00% of mass 174	80.14 (96.74)
177	5.00 - 9.00% of mass 176	5.42 (6.77)

Data File: \\Bufchrom\ChromData\HP5973N\20110526-3480.b\N7900.D\N-8260.rslt\spectra.d

Injection Date: 26-May-2011 10:21:30

Spectrum: Tune Spec: Scans 254-256(3.42-3.44) Bgrd 247(3.38)

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	316	56.00	839	75.00	31280	95.00	62600
37.00	2634	57.00	1443	76.00	2665	96.00	4174
38.00	2383	60.00	534	77.00	148	128.00	137
39.00	932	61.00	2709	79.00	1476	141.00	629
40.00	82	62.00	2853	80.00	141	143.00	599
44.00	512	63.00	1949	81.00	1444	174.00	51856
45.00	330	68.00	6124	87.00	2534	175.00	3668
47.00	786	69.00	6268	88.00	2508	176.00	50168
49.00	2186	70.00	363	92.00	1641	177.00	3394
50.00	10084	73.00	2775	93.00	2588		
51.00	3140	74.00	10522	94.00	7018		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20110526-3497.b\N7926.D
Lims ID: BFB Client ID:
Inject. Date: 26-May-2011 21:16:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.: 480-0003497-001
Operator: NMD Instrument ID: HP5973N
Vol. Injected: 1.0000 ALS Bottle#: 26
Lims Batch ID: 17745 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973N\20110526-3497.b\N-8260.m
Last Update: 26-May-2011 22:48:55 Calib Date: 18-May-2011 16:42:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973N\20110518-3245.b\N7574.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-16

First Level Reviewer: diasn

Date: 26-May-2011 22:48:55

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
\$ 4 BFB	95	3.351	3.351	0.0	84	100613	0	

Data File: \\Bufchrom\ChromData\HP5973N\20110526-3497.b\N7926.D

Injection Date: 26-May-2011 21:16:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 17745

Lims Sample ID: 1

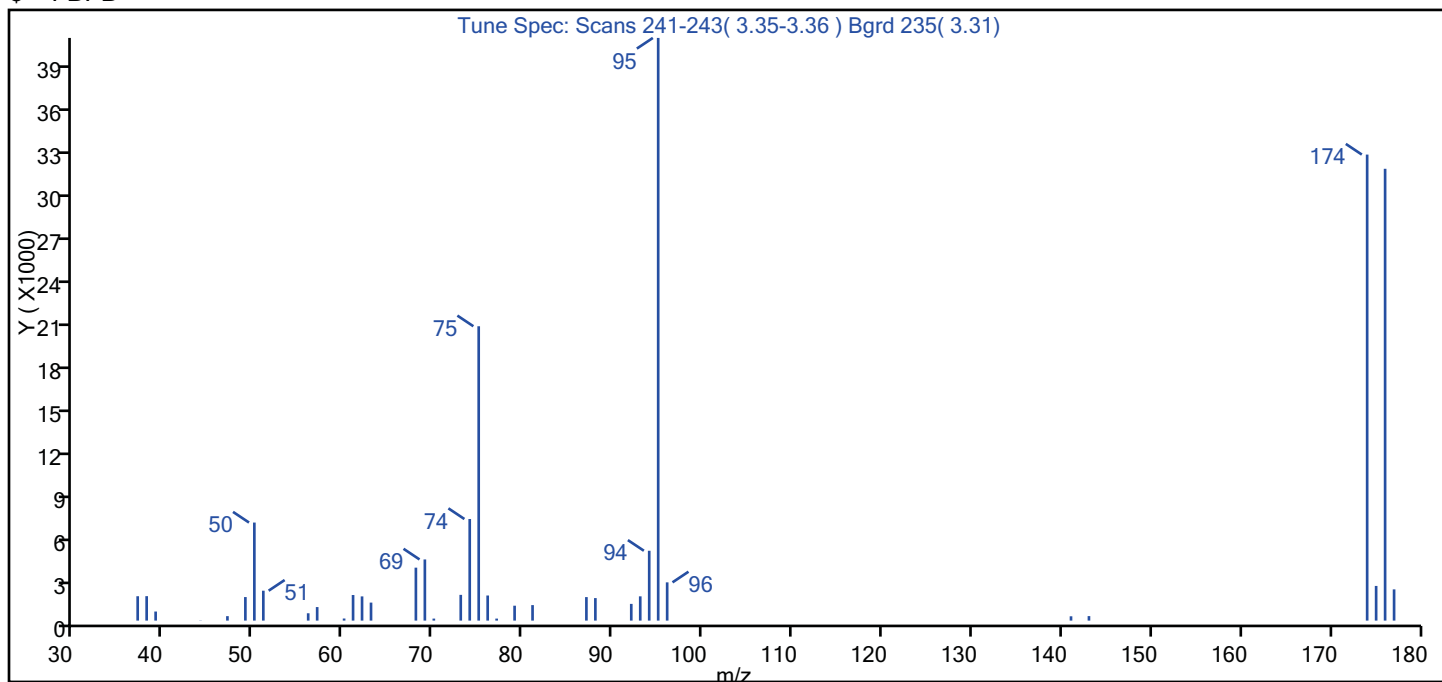
Operator ID: NMD

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	16.83
75	30.00 - 60.00% of mass 95	50.52
96	5.00 - 9.00% of mass 95	6.56
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	79.98
175	5.00 - 9.00% of mass 174	5.95 (7.44)
176	95.00 - 101.00% of mass 174	77.54 (96.95)
177	5.00 - 9.00% of mass 176	5.36 (6.91)

Data File: \\Bufchrom\ChromData\HP5973N\20110526-3497.b\N7926.D\N-8260.rslt\spectra.d

Injection Date: 26-May-2011 21:16:30

Spectrum: Tune Spec: Scans 241-243(3.35-3.36) Bgrd 235(3.31)

Base Peak: 95.00

Minimum % Base Peak: 0

Number of Points: 37

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	1715	60.00	147	76.00	1766	96.00	2691
38.00	1720	61.00	1800	77.00	141	141.00	303
39.00	638	62.00	1703	79.00	1048	143.00	316
44.00	15	63.00	1267	81.00	1090	174.00	32792
47.00	313	68.00	3725	87.00	1654	175.00	2439
49.00	1656	69.00	4303	88.00	1584	176.00	31792
50.00	6899	70.00	141	92.00	1176	177.00	2197
51.00	2104	73.00	1811	93.00	1707		
56.00	516	74.00	7148	94.00	4914		
57.00	952	75.00	20712	95.00	41000		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110517-3207.b\P2550.D
Lims ID: BFB Client ID:
Inject. Date: 17-May-2011 12:58:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.: 480-0003207-001 =480-0003207-001
Operator: PJQ Instrument ID: HP5973P
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 16454 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973P\20110517-3207.b\P-8260.m
Last Update: 17-May-2011 13:07:27 Calib Date: 10-May-2011 13:43:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973P\20110510-2993.b\P2394.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-16

First Level Reviewer: quirkp

Date: 17-May-2011 13:07:27

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
\$ 21 BFB	95	6.209	6.209	0.0	0	95002	0	

Data File: \\Bufchrom\ChromData\HP5973P\20110517-3207.b\P2550.D

Injection Date: 17-May-2011 12:58:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973P

Lims Batch ID: 16454

Lims Sample ID: 1

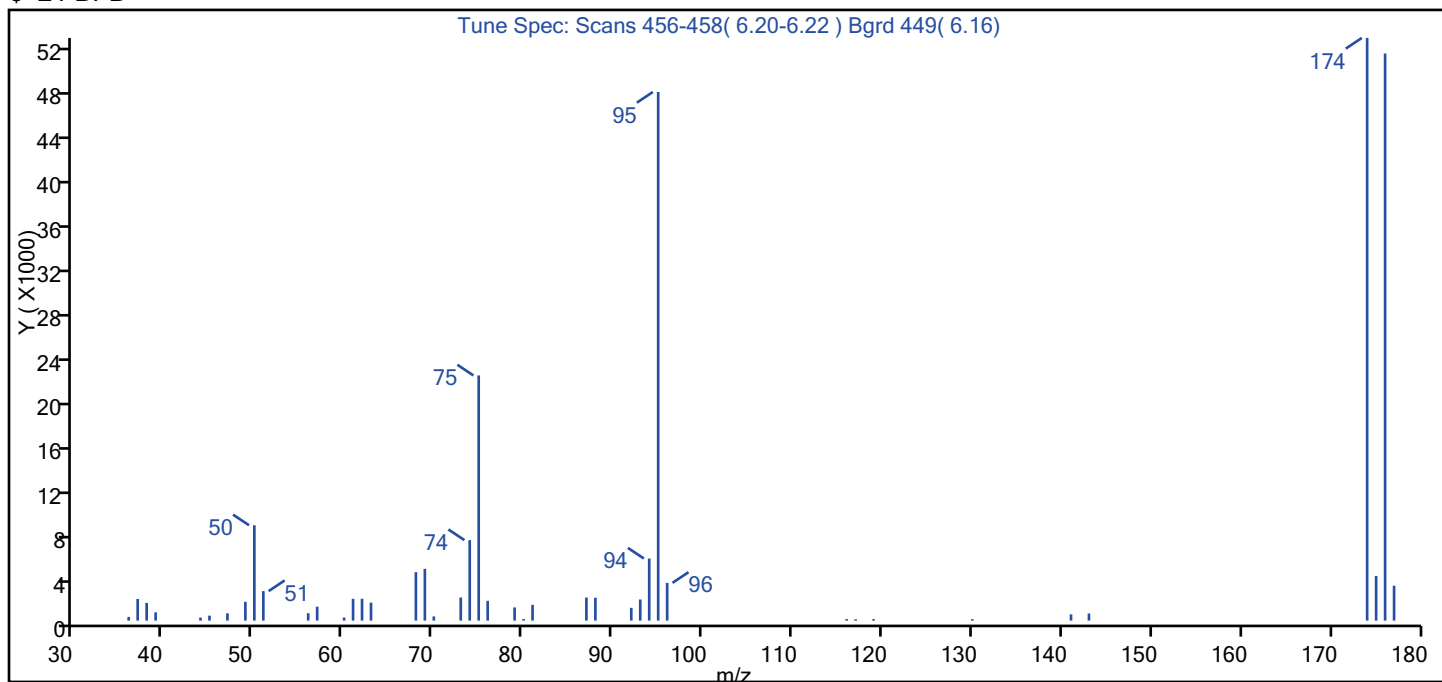
Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Tune Method: BFB Method 8260

\$ 21 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.04
75	30.00 - 60.00% of mass 95	46.38
96	5.00 - 9.00% of mass 95	7.14
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	110.23
175	5.00 - 9.00% of mass 174	8.44 (7.65)
176	95.00 - 101.00% of mass 174	107.29 (97.33)
177	5.00 - 9.00% of mass 176	6.60 (6.15)

Data File: \\Bufchrom\ChromData\HP5973P\20110517-3207.b\P2550.D\P-8260.rslt\spectra.d

Injection Date: 17-May-2011 12:58:30

Spectrum: Tune Spec: Scans 456-458(6.20-6.22) Bgrd 449(6.16)

Base Peak: 174.00

Minimum % Base Peak: 0

Number of Points: 43

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	328	57.00	1245	76.00	1769	116.00	138
37.00	1937	60.00	274	79.00	1180	117.00	123
38.00	1582	61.00	1946	80.00	143	119.00	135
39.00	739	62.00	1953	81.00	1412	130.00	131
44.00	269	63.00	1612	87.00	2065	141.00	558
45.00	444	68.00	4336	88.00	2046	143.00	634
47.00	654	69.00	4632	92.00	1143	174.00	52152
49.00	1684	70.00	372	93.00	1890	175.00	3992
50.00	8533	73.00	2068	94.00	5555	176.00	50760
51.00	2640	74.00	7204	95.00	47312	177.00	3122
56.00	664	75.00	21944	96.00	3378		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3436.b\P2783.D
Lims ID: BFB Client ID:
Inject. Date: 25-May-2011 11:16:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.: 480-0003436-001 =480-0003436-001
Operator: PJQ Instrument ID: HP5973P
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 17444 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973P\20110525-3436.b\P-8260.m
Last Update: 25-May-2011 11:23:26 Calib Date: 17-May-2011 15:59:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973P\20110517-3207.b\P2557.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 25-May-2011 11:23:26

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
\$ 21 BFB	95	6.209	6.209	0.0	0	93464	0	

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3436.b\P2783.D

Injection Date: 25-May-2011 11:16:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973P

Lims Batch ID: 17444

Lims Sample ID: 1

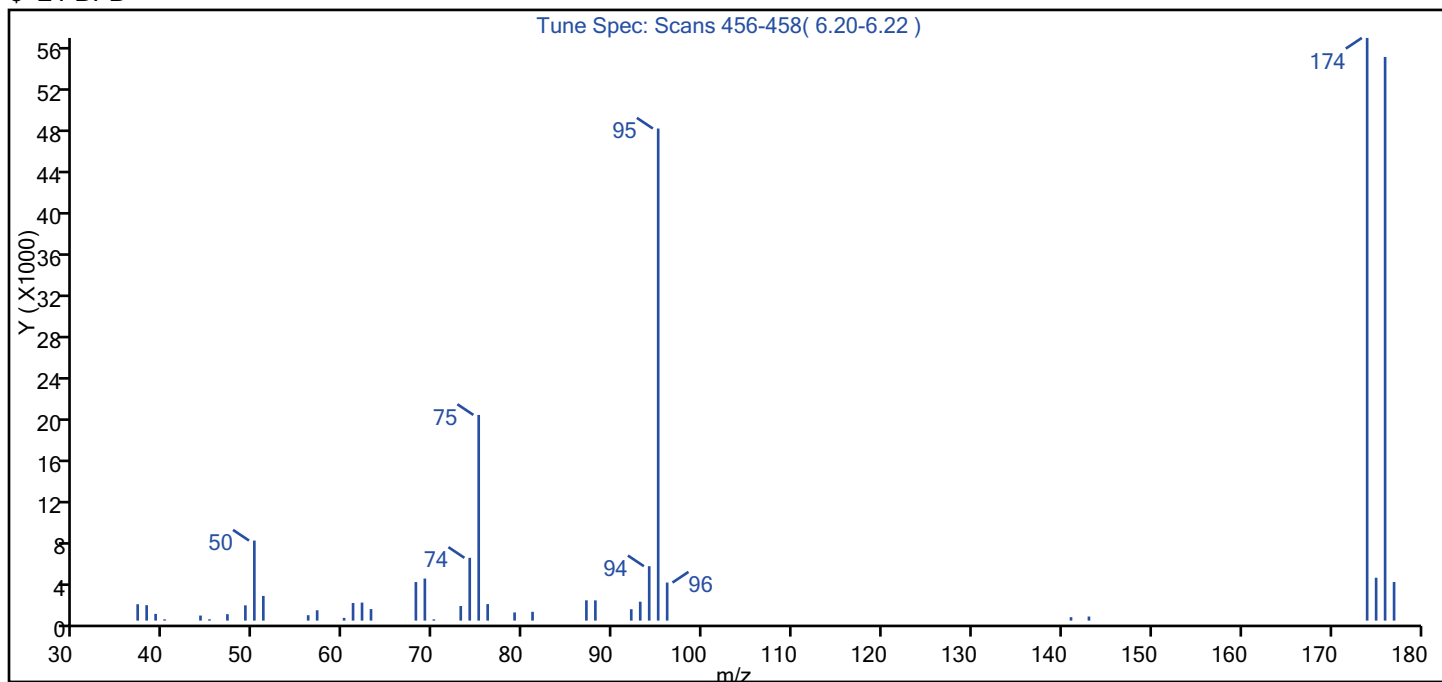
Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Tune Method: BFB Method 8260

\$ 21 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.26
75	30.00 - 60.00% of mass 95	41.80
96	5.00 - 9.00% of mass 95	7.73
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	118.41
175	5.00 - 9.00% of mass 174	8.71 (7.36)
176	95.00 - 101.00% of mass 174	114.55 (96.74)
177	5.00 - 9.00% of mass 176	7.84 (6.84)

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3436.b\P2783.D\P-8260.rslt\spectra.d

Injection Date: 25-May-2011 11:16:30

Spectrum: Tune Spec: Scans 456-458(6.20-6.22)

Base Peak: 174.00

Minimum % Base Peak: 0

Number of Points: 38

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	1578	56.00	520	74.00	6048	95.00	47408
38.00	1488	57.00	996	75.00	19816	96.00	3665
39.00	647	60.00	260	76.00	1590	141.00	330
40.00	124	61.00	1693	79.00	788	143.00	392
44.00	486	62.00	1736	81.00	848	174.00	56136
45.00	125	63.00	1109	87.00	1956	175.00	4130
47.00	620	68.00	3715	88.00	1949	176.00	54304
49.00	1470	69.00	4051	92.00	1096	177.00	3715
50.00	7710	70.00	120	93.00	1821		
51.00	2377	73.00	1406	94.00	5240		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3466.b\P2806.D
Lims ID: BFB Client ID:
Inject. Date: 25-May-2011 21:25:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.: 480-0003466-001 =480-0003466-001
Operator: CDC Instrument ID: HP5973P
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 17555 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973P\20110525-3466.b\P-8260.m
Last Update: 25-May-2011 21:29:58 Calib Date: 17-May-2011 15:59:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973P\20110517-3207.b\P2557.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-16

First Level Reviewer: cwiklinc

Date: 25-May-2011 21:29:58

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
\$ 21 BFB	95	6.197	6.197	0.0	0	70223	0	

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3466.b\P2806.D

Injection Date: 25-May-2011 21:25:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973P

Lims Batch ID: 17555

Lims Sample ID: 1

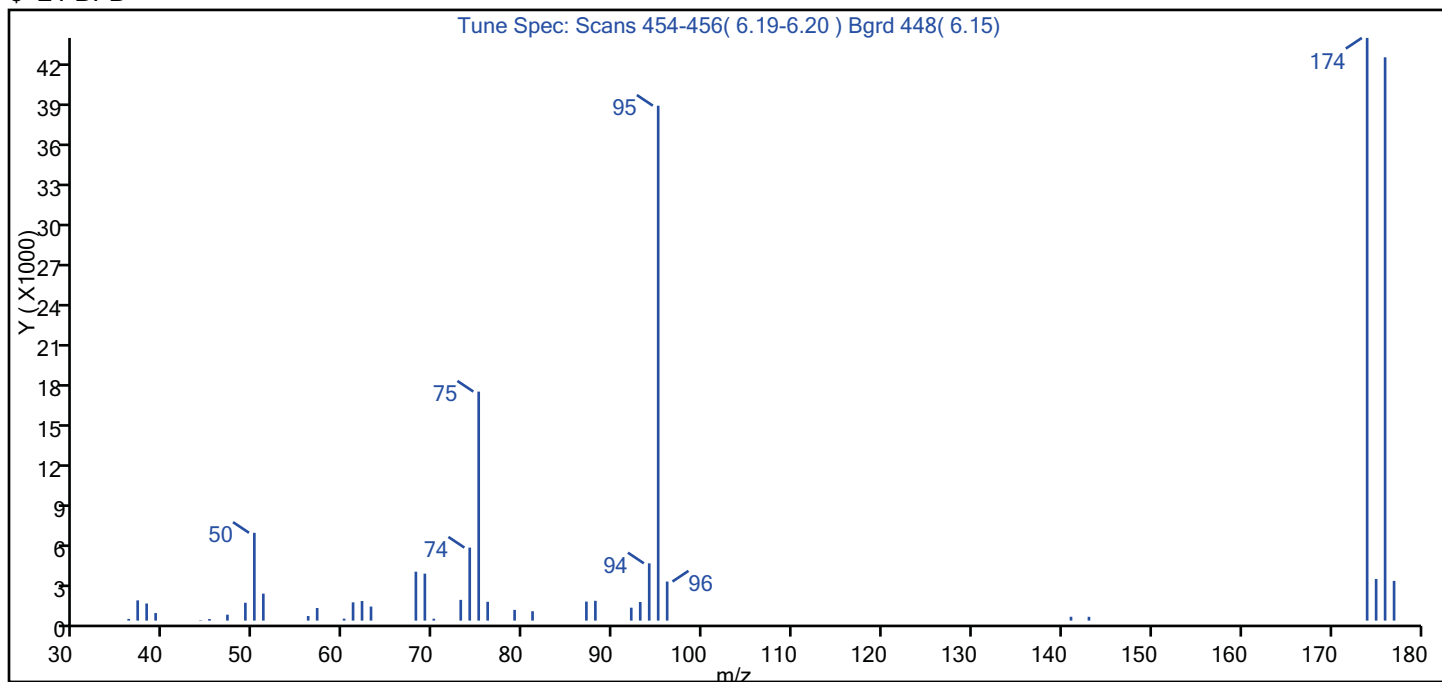
Operator ID: CDC

Column Type: ZB-624

Column Dia: 0.25 mm

Tune Method: BFB Method 8260

\$ 21 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.05
75	30.00 - 60.00% of mass 95	44.47
96	5.00 - 9.00% of mass 95	7.59
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	113.16
175	5.00 - 9.00% of mass 174	8.08 (7.14)
176	95.00 - 101.00% of mass 174	109.40 (96.68)
177	5.00 - 9.00% of mass 176	7.72 (7.05)

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3466.b\P2806.D\P-8260.rslt\spectra.d

Injection Date: 25-May-2011 21:25:30

Spectrum: Tune Spec: Scans 454-456(6.19-6.20) Bgrd 448(6.15)

Base Peak: 174.00

Minimum % Base Peak: 0

Number of Points: 38

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	127	56.00	340	74.00	5429	95.00	38296
37.00	1504	57.00	937	75.00	17032	96.00	2905
38.00	1272	60.00	148	76.00	1399	141.00	286
39.00	563	61.00	1358	79.00	799	143.00	282
44.00	32	62.00	1455	81.00	697	174.00	43336
45.00	119	63.00	1044	87.00	1414	175.00	3096
47.00	440	68.00	3638	88.00	1472	176.00	41896
49.00	1328	69.00	3493	92.00	961	177.00	2955
50.00	6530	70.00	140	93.00	1384		
51.00	2005	73.00	1543	94.00	4259		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110526-3476.b\P2831.D
Lims ID: BFB Client ID:
Inject. Date: 26-May-2011 09:53:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.: 480-0003476-001 =480-0003476-001
Operator: PJQ Instrument ID: HP5973P
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 17618 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973P\20110526-3476.b\P-8260.m
Last Update: 26-May-2011 09:57:38 Calib Date: 17-May-2011 15:59:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973P\20110517-3207.b\P2557.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 26-May-2011 09:57:38

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
\$ 21 BFB	95	6.203	6.203	0.0	0	82961	0	

Data File: \\Bufchrom\ChromData\HP5973P\20110526-3476.b\P2831.D

Injection Date: 26-May-2011 09:53:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973P

Lims Batch ID: 17618

Lims Sample ID: 1

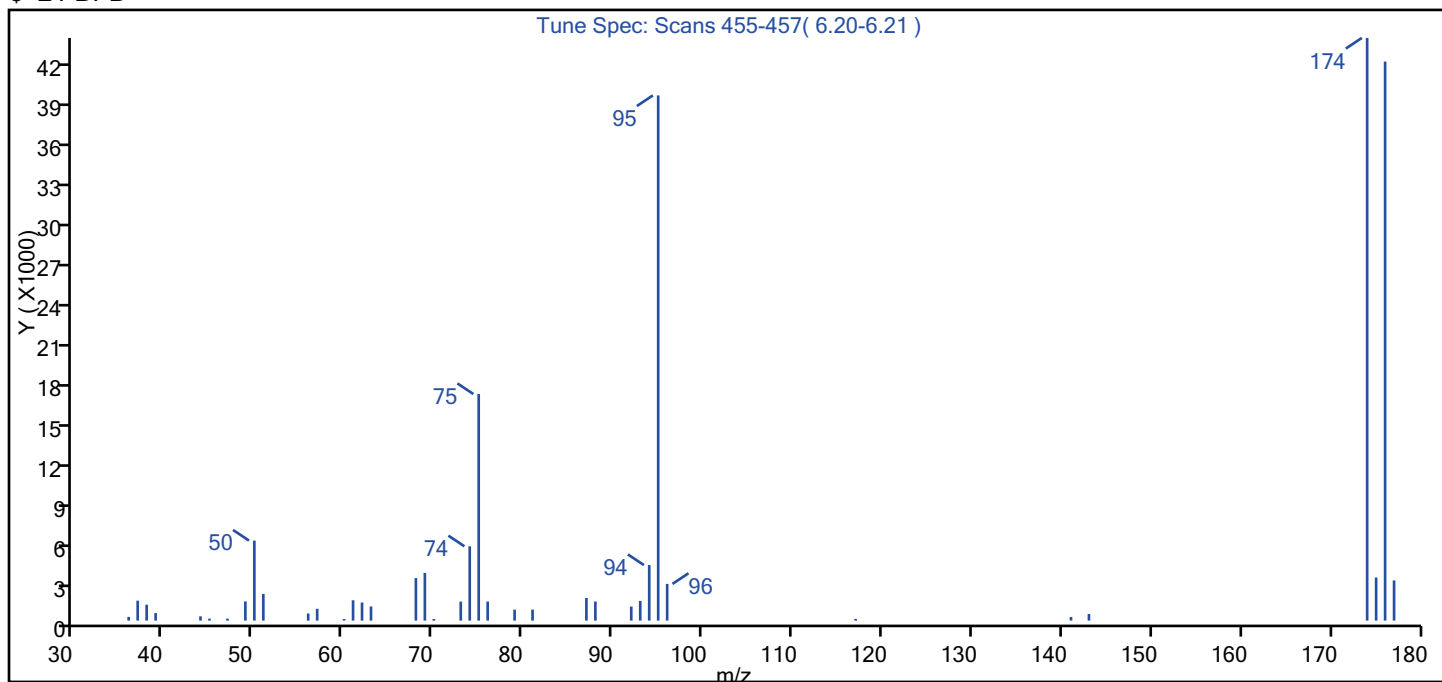
Operator ID: PJQ

Column Type: ZB-624

Column Dia: 0.25 mm

Tune Method: BFB Method 8260

\$ 21 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	15.23
75	30.00 - 60.00% of mass 95	43.14
96	5.00 - 9.00% of mass 95	6.98
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	110.94
175	5.00 - 9.00% of mass 174	8.21 (7.40)
176	95.00 - 101.00% of mass 174	106.44 (95.94)
177	5.00 - 9.00% of mass 176	7.66 (7.19)

Data File: \\Bufchrom\ChromData\HP5973P\20110526-3476.b\P2831.D\P-8260.rslt\spectra.d

Injection Date: 26-May-2011 09:53:30

Spectrum: Tune Spec: Scans 455-457(6.20-6.21)

Base Peak: 174.00

Minimum % Base Peak: 0

Number of Points: 39

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	280	56.00	538	74.00	5606	95.00	39632
37.00	1503	57.00	891	75.00	17096	96.00	2768
38.00	1200	60.00	119	76.00	1440	117.00	126
39.00	569	61.00	1533	79.00	824	141.00	274
44.00	320	62.00	1366	81.00	833	143.00	499
45.00	147	63.00	1068	87.00	1710	174.00	43968
47.00	149	68.00	3208	88.00	1439	175.00	3254
49.00	1448	69.00	3598	92.00	1059	176.00	42184
50.00	6036	70.00	122	93.00	1487	177.00	3034
51.00	2010	73.00	1436	94.00	4191		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-17444/4
 Matrix: Water Lab File ID: P2786.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 05/25/2011 12:49
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 17444 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)	80		66-137
2037-26-5	Toluene-d8 (Surr)	97		71-126
460-00-4	4-Bromofluorobenzene (Surr)	109		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3436.b\P2786.D
 Lims ID: MB Client ID:
 Inject. Date: 25-May-2011 12:49:30 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: MB
 Misc. Info.: 480-0003436-004 =480-0003436-004
 Operator: PJQ Instrument ID: HP5973P
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 17444 Lims Sample ID: 4
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973P\20110525-3436.b\P-8260.m
 Last Update: 25-May-2011 13:10:25 Calib Date: 17-May-2011 15:59:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973P\20110517-3207.b\P2557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 25-May-2011 13:10:25

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	8.121	8.121	0.0	93	693781	25.0	
* 2 Chlorobenzene-d5	82	11.899	11.899	0.0	81	298198	25.0	
* 3 1,4-Dichlorobenzene-d4	152	15.038	15.038	0.0	91	412852	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	7.683	7.683	0.0	99	117656	19.9	
\$ 5 Toluene-d8 (Surr)	98	9.946	9.946	0.0	92	728009	24.3	
\$ 6 4-Bromofluorobenzene (Surr)	174	13.511	13.511	0.0	96	346088	27.2	
10 Dichlorodifluoromethane	85		2.847					
15 Chlorodifluoromethane	51		2.865					
11 Chloromethane	50		3.060					
17 Vinyl chloride	62		3.248					
12 Bromomethane	94		3.674					
13 Chloroethane	64		3.790					
19 Dichlorofluoromethane	67		4.051					
14 Trichlorofluoromethane	101		4.142					
20 Ethyl ether	59		4.398					
22 Acrolein	56		4.629					
16 1,1,2-Trichloro-1,2,2-trifluoroethane	101		4.702					
25 1,1-Dichloroethene	96		4.733					
24 Acetone	43		4.793					
23 Isopropyl alcohol	45		4.946					
18 Iodomethane	142		4.964					
27 Carbon disulfide	76		5.055					
30 Methyl acetate	43		5.128					
28 3-Chloro-1-propene	41		5.134					
29 Acetonitrile	40		5.158					
31 Methylene Chloride	84		5.310					
33 2-Methyl-2-propanol	59		5.396					
32 Methyl tert-butyl ether	73		5.548					
35 trans-1,2-Dichloroethene	96		5.584					
34 Acrylonitrile	53		5.590					
36 Hexane	57		5.791					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
37 Isopropyl ether	45		6.022					
38 Vinyl acetate	43		6.053					
40 1,1-Dichloroethane	63		6.071					
39 1,1-Dimethoxyethane	75		6.120					
41 2-Chloro-1,3-butadiene	53		6.150					
42 Tert-butyl ethyl ether	59		6.442					
44 2-Butanone (MEK)	43		6.716					
46 Ethyl acetate	43		6.716					
45 2,2-Dichloropropane	77		6.728					
43 cis-1,2-Dichloroethene	96		6.734					
26 Propene oxide	58		6.750					
47 Propionitrile	54		6.838					
48 Methacrylonitrile	41		6.990					
50 Chlorobromomethane	128		7.026					
51 Tetrahydrofuran	42		7.050					
49 Chloroform	83		7.081					
52 1,1,1-Trichloroethane	97		7.294					
54 Cyclohexane	56		7.342					
56 1,1-Dichloropropene	75		7.458					
55 Carbon tetrachloride	117		7.476					
53 Isobutyl alcohol	43		7.555					
72 2-Nitropropane	43		7.555					
57 Benzene	78		7.726					
58 Tert-amyl methyl ether	73		7.762					
60 1,2-Dichloroethane	62		7.774					
59 n-Heptane	43		7.872					
61 n-Butanol	56		8.328					
62 Trichloroethene	95		8.462					
64 Methylcyclohexane	83		8.669					
63 1,2-Dichloropropane	63		8.766					
65 Methyl methacrylate	41		8.790					
68 1,4-Dioxane	88		8.912					
69 Dibromomethane	93		8.948					
70 Dichlorobromomethane	83		9.101					
71 2-Chloroethyl vinyl ether	63		9.393					
74 Epichlorohydrin	57		9.545					
73 cis-1,3-Dichloropropene	75		9.624					
75 4-Methyl-2-pentanone (MIBK)	43		9.764					
76 Toluene	92		10.031					
66 2-Methylthiophene	97		10.214					
78 trans-1,3-Dichloropropene	75		10.329					
77 Ethyl methacrylate	69		10.336					
67 3-Methylthiophene	97		10.427					
79 1,1,2-Trichloroethane	83		10.597					
80 Tetrachloroethene	166		10.749					
82 1,3-Dichloropropane	76		10.822					
83 2-Hexanone	43		10.840					
81 Chlorodibromomethane	129		11.151					
85 Ethylene Dibromide	107		11.327					
84 3-Chlorobenzotrifluoride	180		11.796					
86 4-Chlorobenzotrifluoride	180		11.875					
87 Chlorobenzene	112		11.942					

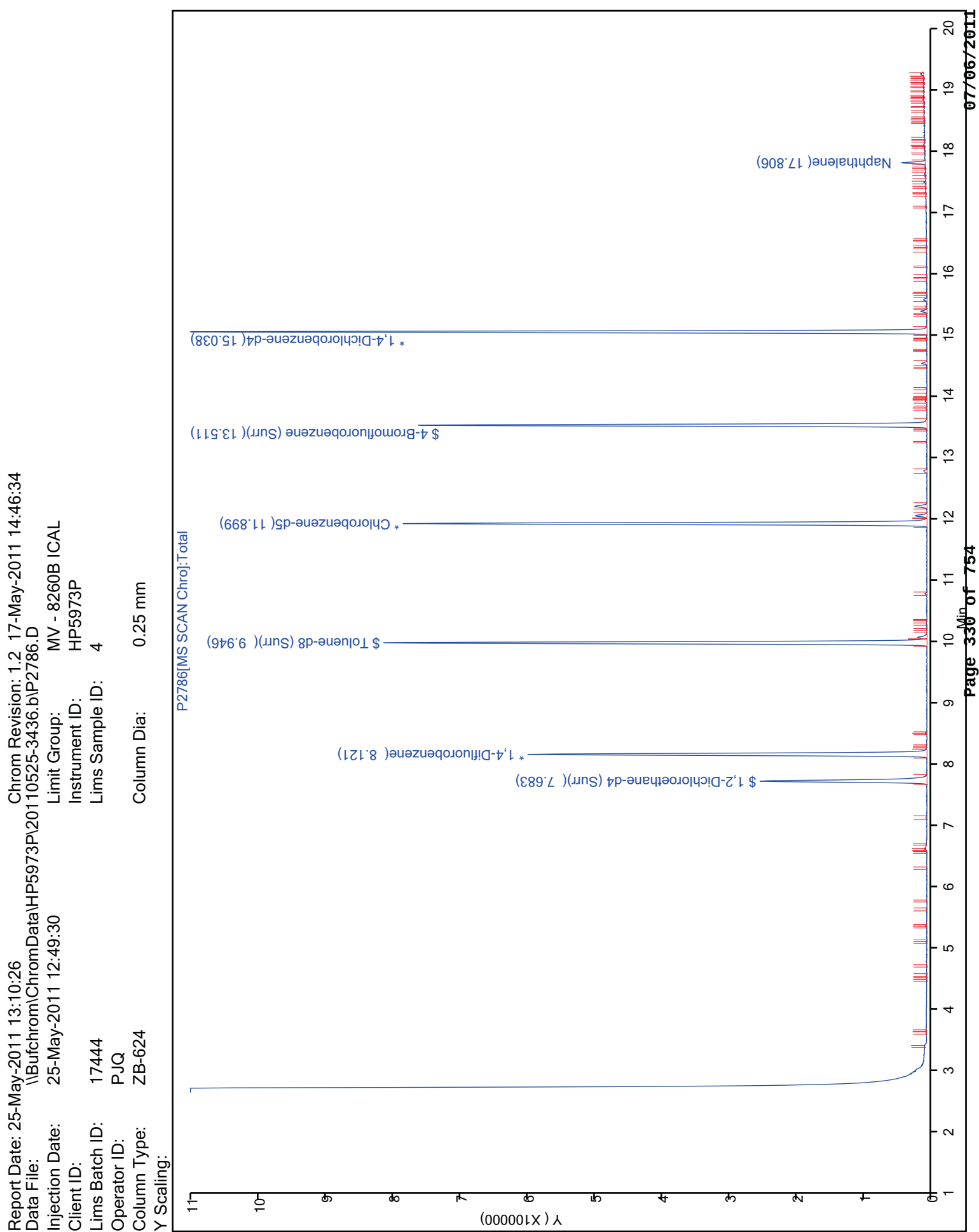
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
89 Ethylbenzene	91		12.027					
88 1,1,1,2-Tetrachloroethane	131		12.045					
90 m-Xylene & p-Xylene	106		12.179					
93 o-Xylene	106		12.757					
94 Styrene	104		12.781					
91 2-Chlorobenzotrifluoride	180		13.104					
92 Bromoform	173		13.134					
95 Isopropylbenzene	105		13.231					
96 Cyclohexanone	55		13.475					
97 1,1,2,2-Tetrachloroethane	83		13.712					
100 Bromobenzene	156		13.742					
98 trans-1,4-Dichloro-2-butene	53		13.773					
101 1,2,3-Trichloropropane	110		13.791					
99 N-Propylbenzene	91		13.791					
103 2-Chlorotoluene	126		13.967					
102 1,3,5-Trimethylbenzene	105		14.010					
104 3-Chlorotoluene	126		14.041					
105 4-Chlorotoluene	126		14.107					
106 tert-Butylbenzene	134		14.454					
107 1,2,4-Trimethylbenzene	105		14.521					
108 Pentachloroethane	167		14.552					
109 sec-Butylbenzene	105		14.734					
112 4-Isopropyltoluene	119		14.904					
110 1,3-Dichlorobenzene	146		14.959					
111 1,4-Dichlorobenzene	146		15.069					
114 Dicyclopentadiene	66		15.069					
113 1,2,3-Trimethylbenzene	105		15.087					
115 n-Butylbenzene	91		15.434					
116 1,2-Dichlorobenzene	146		15.561					
117 1,2-Dibromo-3-Chloropropane	75		16.547					
118 1,3,5-Trichlorobenzene	180		16.736					
119 1,2,4-Trichlorobenzene	180		17.490					
120 Hexachlorobutadiene	225		17.624					
121 Naphthalene	128	17.806	17.800	0.006	80	35310	0.8957	
122 1,2,3-Trichlorobenzene	180		18.092					
S 123 1,2-Dichloroethene, Total	1		30.000					7
S 124 1,3-Dichloropropene, Total	1		30.000					7
S 125 Total BTEX	1		30.000					7
S 126 Xylenes, Total	1		30.000					7
T 9 bis(2-chloromethyl)ether TIC	1		0.000					1
T 7 Ethylene oxide	1		0.000					1
T 8 t-Amyl alcohol	59		0.000					1
T 127 Ethanol TIC	45		0.000					1
T 128 Hexachloroethane TIC	1		0.000					1

QC Flag Legend

Processing Flags

1 - Missing Peaks

7 - Failed Limit of Detection



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-17553/4
 Matrix: Water Lab File ID: N7888.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 05/25/2011 22:51
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 17553 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)	102		66-137
2037-26-5	Toluene-d8 (Surr)	106		71-126
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20110525-3464.b\N7888.D
 Lims ID: mb Client ID:
 Inject. Date: 25-May-2011 22:51:30 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: MB
 Misc. Info.: 480-0003464-004
 Operator: NMD Instrument ID: HP5973N
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 17553 Lims Sample ID: 4
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20110525-3464.b\N-8260.m
 Last Update: 25-May-2011 23:38:27 Calib Date: 18-May-2011 16:42:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20110518-3245.b\N7574.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: diasn

Date: 25-May-2011 23:38:27

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.616	4.616	0.0	91	435445	25.0	
* 2 Chlorobenzene-d5	117	7.414	7.414	0.0	86	379878	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.878	9.878	0.0	94	194949	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.226	4.226	0.0	0	143791	25.6	
\$ 6 Toluene-d8 (Surr)	98	5.966	5.966	0.0	83	519992	26.6	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.661	8.661	0.0	87	148549	24.2	
11 Dichlorodifluoromethane	85		1.002					
12 Chlorodifluoromethane	51		1.014					
13 Chloromethane	50		1.081					
14 Vinyl chloride	62		1.160					
15 Bromomethane	94		1.355					
16 Chloroethane	64		1.416					
17 Dichlorofluoromethane	67		1.592					
18 Trichlorofluoromethane	101		1.616					
19 Ethyl ether	59		1.787					
81 Propene oxide	58		1.866					
20 Acrolein	56		1.927					
22 1,1-Dichloroethene	96		1.981					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		1.994					
23 Acetone	43		2.060					
24 Iodomethane	142		2.103					
25 Carbon disulfide	76		2.158					
26 Isopropyl alcohol	45		2.237					
27 3-Chloro-1-propene	41		2.273					
28 Methyl acetate	43		2.316					
29 Acetonitrile	40		2.316					
30 Methylene Chloride	84		2.413					
31 2-Methyl-2-propanol	59		2.571					
33 trans-1,2-Dichloroethene	96		2.602					
32 Methyl tert-butyl ether	73		2.608					
34 Acrylonitrile	53		2.644					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
35 Hexane	57		2.790					
36 1,1-Dichloroethane	63		2.979					
37 Isopropyl ether	45		3.016					
38 2-Chloro-1,3-butadiene	53		3.034					
39 Vinyl acetate	43		3.034					
40 1,1-Dimethoxyethane	75		3.082					
41 Tert-butyl ethyl ether	59		3.338					
42 2,2-Dichloropropane	77		3.478					
43 cis-1,2-Dichloroethene	96		3.490					
44 2-Butanone (MEK)	43		3.539					
45 Ethyl acetate	43		3.587					
46 Propionitrile	54		3.624					
47 Chlorobromomethane	128		3.709					
48 Methacrylonitrile	41		3.727					
49 Tetrahydrofuran	42		3.740					
50 Chloroform	83		3.794					
51 1,1,1-Trichloroethane	97		3.898					
52 Cyclohexane	56		3.916					
53 Carbon tetrachloride	117		4.032					
54 1,1-Dichloropropene	75		4.044					
55 Benzene	78		4.226					
56 Isobutyl alcohol	43		4.293					
57 1,2-Dichloroethane	62		4.293					
58 Tert-amyl methyl ether	73		4.336					
59 n-Heptane	43		4.439					
60 Trichloroethene	95		4.828					
61 n-Butanol	56		4.908					
62 Methylcyclohexane	83		4.944					
63 1,2-Dichloropropane	63		5.054					
64 Dibromomethane	93		5.181					
65 Methyl methacrylate	41		5.187					
66 1,4-Dioxane	88		5.218					
67 Dichlorobromomethane	83		5.346					
68 2-Nitropropane	43		5.583					
69 2-Chloroethyl vinyl ether	63		5.638					
70 Epichlorohydrin	57		5.711					
71 cis-1,3-Dichloropropene	75		5.753					
72 4-Methyl-2-pentanone (MIBK)	43		5.911					
73 Toluene	92		6.027					
74 2-Methylthiophene	97		6.161					
75 trans-1,3-Dichloropropene	75		6.319					
76 3-Methylthiophene	97		6.319					
77 Ethyl methacrylate	69		6.392					
78 1,1,2-Trichloroethane	83		6.495					
79 Tetrachloroethene	166		6.550					
80 1,3-Dichloropropane	76		6.647					
82 2-Hexanone	43		6.745					
83 Chlorodibromomethane	129		6.873					
84 Ethylene Dibromide	107		6.958					
85 Chlorobenzene	112		7.444					
86 3-Chlorobenzotrifluoride	180		7.450					
87 4-Chlorobenzotrifluoride	180		7.511					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
89 1,1,1,2-Tetrachloroethane	131		7.548					
88 Ethylbenzene	91		7.548					
90 m-Xylene & p-Xylene	106		7.670					
91 o-Xylene	106		8.083					
92 Styrene	104		8.114					
93 Bromoform	173		8.339					
94 2-Chlorobenzotrifluoride	180		8.406					
95 Isopropylbenzene	105		8.473					
96 Cyclohexanone	55		8.619					
97 Bromobenzene	156		8.795					
98 1,1,2,2-Tetrachloroethane	83		8.892					
99 1,2,3-Trichloropropane	110		8.911					
100 N-Propylbenzene	91		8.917					
101 trans-1,4-Dichloro-2-butene	53		8.941					
102 2-Chlorotoluene	126		9.008					
103 3-Chlorotoluene	126		9.075					
104 1,3,5-Trimethylbenzene	105		9.117					
105 4-Chlorotoluene	91		9.130					
106 tert-Butylbenzene	134		9.452					
107 Pentachloroethane	167		9.501					
108 1,2,4-Trimethylbenzene	105		9.513					
109 sec-Butylbenzene	105		9.683					
110 1,3-Dichlorobenzene	146		9.805					
111 4-Isopropyltoluene	119		9.841					
112 Dicyclopentadiene	66		9.872					
113 1,4-Dichlorobenzene	146		9.896					
114 1,2,3-Trimethylbenzene	105		9.945					
115 n-Butylbenzene	91		10.249					
116 1,2-Dichlorobenzene	146		10.267					
117 1,2-Dibromo-3-Chloropropane	75		11.028					
118 1,3,5-Trichlorobenzene	180		11.174					
119 1,2,4-Trichlorobenzene	180		11.727					
120 Hexachlorobutadiene	225		11.855					
121 Naphthalene	128		11.934					
122 1,2,3-Trichlorobenzene	180		12.141					
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 9 bis(2-chloromethyl)ether TIC	1		0.000					1
T 8 t-Amyl alcohol	59		0.000					1
T 128 Hexachloroethane TIC	1		0.000					1
T 129 tert-amyl alcohol TIC	1		0.000					1
T 127 Ethanol TIC	45		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: 25-May-2011 23:38:27

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File:

\\Bufchrom\ChromData\HP5973N\20110525-3464.b\N7888.D

Injection Date: 25-May-2011 22:51:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 17553

Lims Sample ID: 4

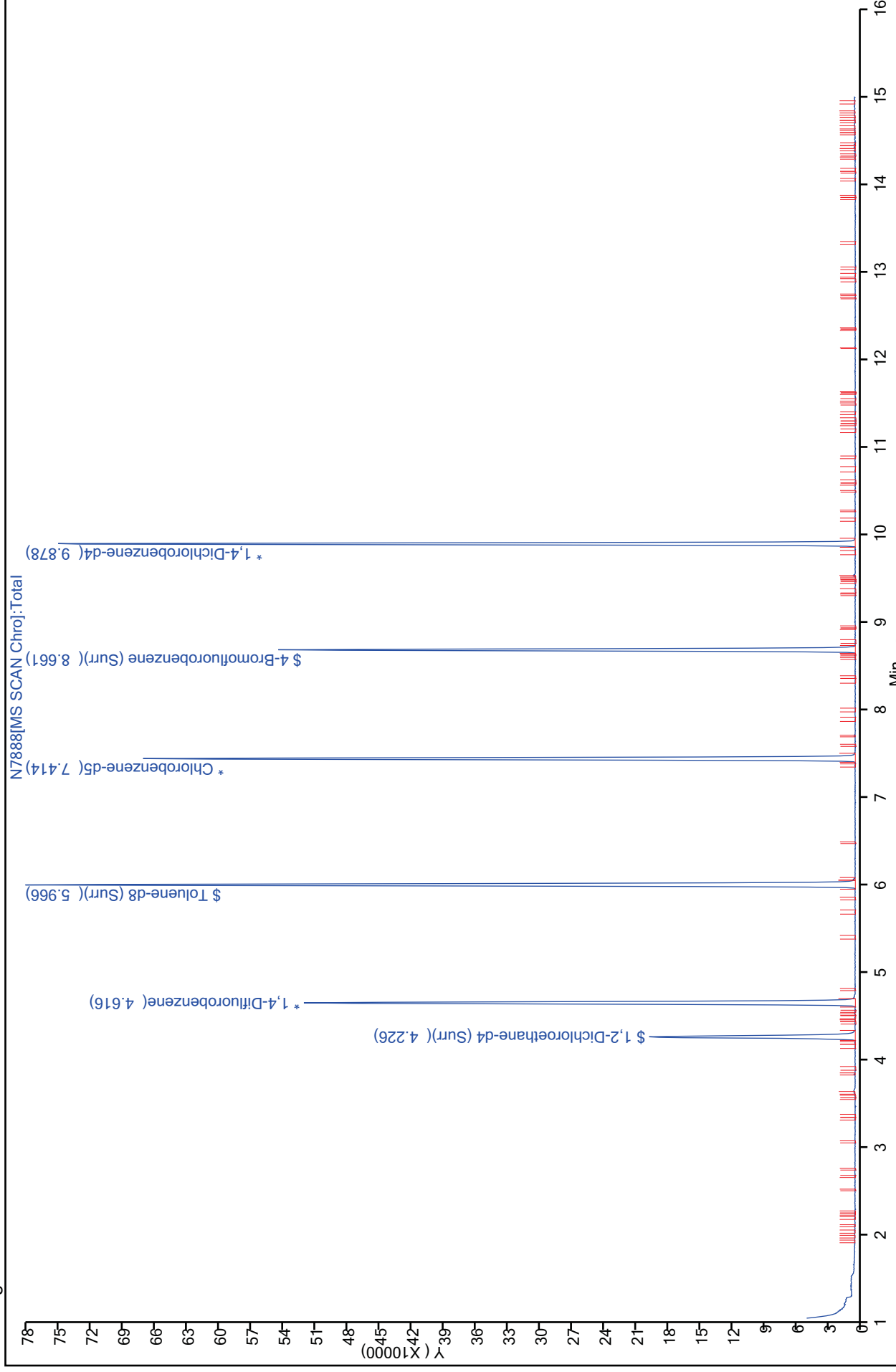
Operator ID:

NMD

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.: 480-5072-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-17555/4
 Matrix: Water Lab File ID: P2809.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 05/25/2011 22:58
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 17555 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)	82		66-137
2037-26-5	Toluene-d8 (Surr)	94		71-126
460-00-4	4-Bromofluorobenzene (Surr)	110		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3466.b\P2809.D
 Lims ID: MB Client ID:
 Inject. Date: 25-May-2011 22:58:30 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: MB
 Misc. Info.: 480-0003466-004 =480-0003466-004
 Operator: CDC Instrument ID: HP5973P
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 17555 Lims Sample ID: 4
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973P\20110525-3466.b\P-8260.m
 Last Update: 25-May-2011 23:28:16 Calib Date: 17-May-2011 15:59:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973P\20110517-3207.b\P2557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: cwiklinc

Date: 25-May-2011 23:28:16

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	8.121	8.121	0.0	93	602581	25.0	
* 2 Chlorobenzene-d5	82	11.899	11.899	0.0	81	264892	25.0	
* 3 1,4-Dichlorobenzene-d4	152	15.038	15.038	0.0	91	362534	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	7.683	7.683	0.0	99	104770	20.4	
\$ 5 Toluene-d8 (Surr)	98	9.946	9.946	0.0	92	629282	23.6	
\$ 6 4-Bromofluorobenzene (Surr)	174	13.511	13.511	0.0	95	309769	27.4	
10 Dichlorodifluoromethane	85		2.840					
15 Chlorodifluoromethane	51		2.865					
11 Chloromethane	50		3.053					
17 Vinyl chloride	62		3.230					
12 Bromomethane	94		3.668					
13 Chloroethane	64		3.783					
19 Dichlorofluoromethane	67		4.051					
14 Trichlorofluoromethane	101		4.136					
20 Ethyl ether	59		4.398					
22 Acrolein	56		4.623					
16 1,1,2-Trichloro-1,2,2-trifluoroethane	101		4.696					
25 1,1-Dichloroethene	96		4.726					
24 Acetone	43		4.793					
23 Isopropyl alcohol	45		4.946					
18 Iodomethane	142		4.951					
27 Carbon disulfide	76		5.037					
30 Methyl acetate	43		5.128					
28 3-Chloro-1-propene	41		5.134					
29 Acetonitrile	40		5.158					
31 Methylene Chloride	84		5.304					
33 2-Methyl-2-propanol	59		5.396					
32 Methyl tert-butyl ether	73		5.542					
35 trans-1,2-Dichloroethene	96		5.578					
34 Acrylonitrile	53		5.590					
36 Hexane	57		5.791					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
37 Isopropyl ether	45		6.022					
38 Vinyl acetate	43		6.053					
40 1,1-Dichloroethane	63		6.071					
39 1,1-Dimethoxyethane	75		6.120					
41 2-Chloro-1,3-butadiene	53		6.150					
42 Tert-butyl ethyl ether	59		6.442					
44 2-Butanone (MEK)	43		6.716					
46 Ethyl acetate	43		6.716					
45 2,2-Dichloropropane	77		6.722					
43 cis-1,2-Dichloroethene	96		6.728					
26 Propene oxide	58		6.750					
47 Propionitrile	54		6.838					
48 Methacrylonitrile	41		6.990					
50 Chlorobromomethane	128		7.026					
51 Tetrahydrofuran	42		7.056					
49 Chloroform	83		7.081					
52 1,1,1-Trichloroethane	97		7.294					
54 Cyclohexane	56		7.336					
56 1,1-Dichloropropene	75		7.464					
55 Carbon tetrachloride	117		7.482					
53 Isobutyl alcohol	43		7.555					
72 2-Nitropropane	43		7.555					
57 Benzene	78		7.726					
58 Tert-amyl methyl ether	73		7.762					
60 1,2-Dichloroethane	62		7.768					
59 n-Heptane	43		7.872					
61 n-Butanol	56		8.328					
62 Trichloroethene	95		8.462					
64 Methylcyclohexane	83		8.662					
63 1,2-Dichloropropane	63		8.766					
65 Methyl methacrylate	41		8.790					
68 1,4-Dioxane	88		8.912					
69 Dibromomethane	93		8.948					
70 Dichlorobromomethane	83		9.100					
71 2-Chloroethyl vinyl ether	63		9.386					
74 Epichlorohydrin	57		9.545					
73 cis-1,3-Dichloropropene	75		9.624					
75 4-Methyl-2-pentanone (MIBK)	43		9.764					
76 Toluene	92		10.031					
66 2-Methylthiophene	97		10.214					
78 trans-1,3-Dichloropropene	75		10.329					
77 Ethyl methacrylate	69		10.335					
67 3-Methylthiophene	97		10.427					
79 1,1,2-Trichloroethane	83		10.597					
80 Tetrachloroethene	166		10.749					
82 1,3-Dichloropropane	76		10.822					
83 2-Hexanone	43		10.840					
81 Chlorodibromomethane	129		11.151					
85 Ethylene Dibromide	107		11.327					
84 3-Chlorobenzotrifluoride	180		11.796					
86 4-Chlorobenzotrifluoride	180		11.875					
87 Chlorobenzene	112		11.941					

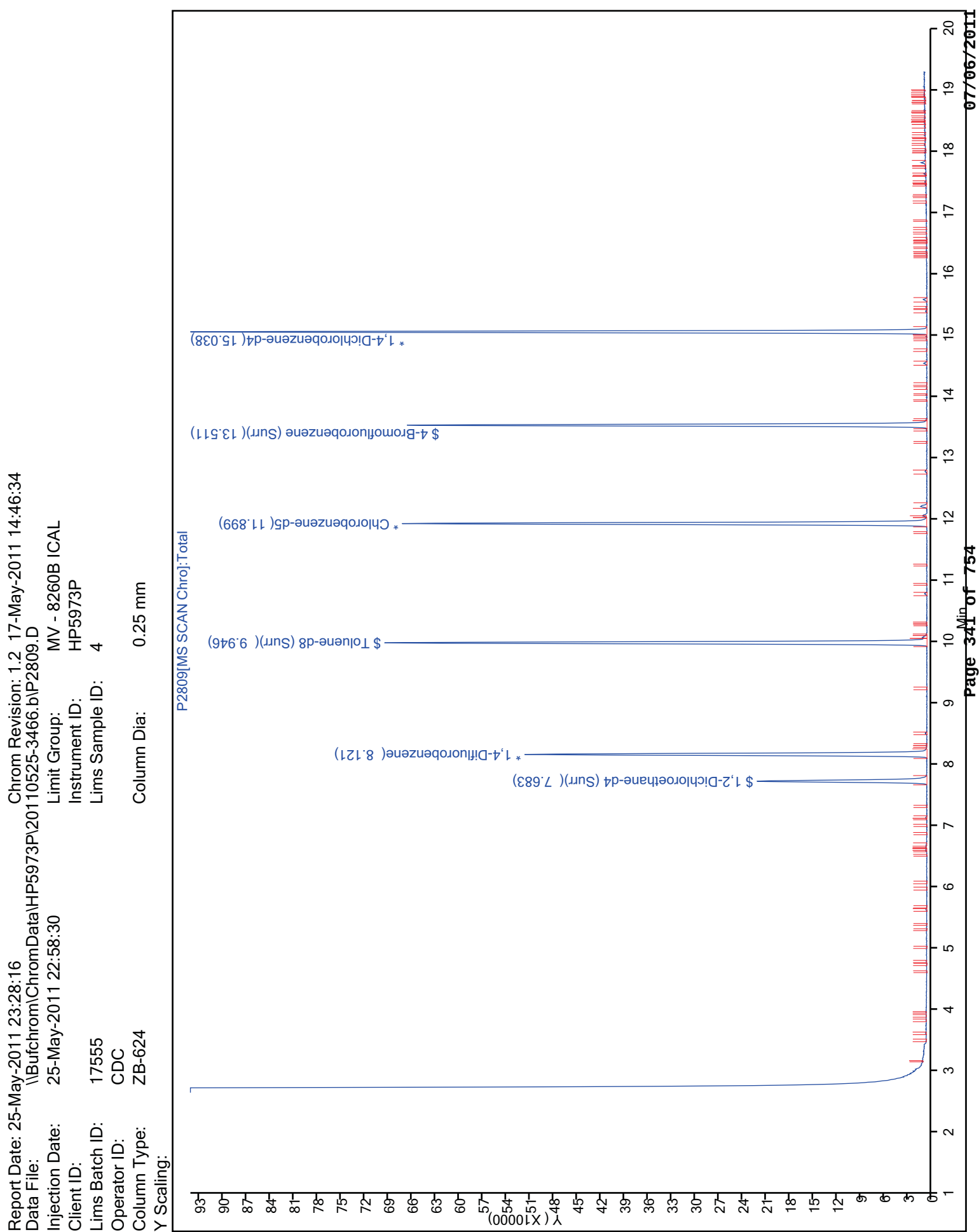
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
89 Ethylbenzene	91		12.027					
88 1,1,1,2-Tetrachloroethane	131		12.039					
90 m-Xylene & p-Xylene	106		12.179					
93 o-Xylene	106		12.757					
94 Styrene	104		12.781					
91 2-Chlorobenzotrifluoride	180		13.104					
92 Bromoform	173		13.134					
95 Isopropylbenzene	105		13.231					
96 Cyclohexanone	55		13.475					
97 1,1,2,2-Tetrachloroethane	83		13.718					
100 Bromobenzene	156		13.742					
98 trans-1,4-Dichloro-2-butene	53		13.773					
101 1,2,3-Trichloropropane	110		13.791					
99 N-Propylbenzene	91		13.791					
103 2-Chlorotoluene	126		13.967					
102 1,3,5-Trimethylbenzene	105		14.010					
104 3-Chlorotoluene	126		14.041					
105 4-Chlorotoluene	126		14.107					
106 tert-Butylbenzene	134		14.454					
107 1,2,4-Trimethylbenzene	105		14.521					
108 Pentachloroethane	167		14.552					
109 sec-Butylbenzene	105		14.734					
112 4-Isopropyltoluene	119		14.904					
110 1,3-Dichlorobenzene	146		14.959					
111 1,4-Dichlorobenzene	146		15.068					
114 Dicyclopentadiene	66		15.069					
113 1,2,3-Trimethylbenzene	105		15.087					
115 n-Butylbenzene	91		15.433					
116 1,2-Dichlorobenzene	146		15.561					
117 1,2-Dibromo-3-Chloropropane	75		16.547					
118 1,3,5-Trichlorobenzene	180		16.736					
119 1,2,4-Trichlorobenzene	180		17.490					
120 Hexachlorobutadiene	225		17.624					
121 Naphthalene	128		17.806					
122 1,2,3-Trichlorobenzene	180		18.098					
S 125 Total BTEX	1		30.000					7
S 126 Xylenes, Total	1		30.000					7
S 123 1,2-Dichloroethene, Total	1		30.000					7
S 124 1,3-Dichloropropene, Total	1		30.000					7
T 127 Ethanol TIC	45		0.000					1
T 128 Hexachloroethane TIC	1		0.000					1
T 8 t-Amyl alcohol	59		0.000					1
T 9 bis(2-chloromethyl)ether TIC	1		0.000					1
T 7 Ethylene oxide	1		0.000					1

QC Flag Legend

Processing Flags

1 - Missing Peaks

7 - Failed Limit of Detection



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-17618/4
 Matrix: Water Lab File ID: P2834.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 05/26/2011 11:29
 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.: 17618 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)	83		66-137
2037-26-5	Toluene-d8 (Surr)	94		71-126
460-00-4	4-Bromofluorobenzene (Surr)	108		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110526-3476.b\P2834.D
 Lims ID: MB Client ID:
 Inject. Date: 26-May-2011 11:29:30 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: MB
 Misc. Info.: 480-0003476-004 =480-0003476-004
 Operator: PJQ Instrument ID: HP5973P
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 17618 Lims Sample ID: 4
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973P\20110526-3476.b\P-8260.m
 Last Update: 26-May-2011 11:46:44 Calib Date: 17-May-2011 15:59:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973P\20110517-3207.b\P2557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 26-May-2011 11:46:44

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	8.121	8.121	0.0	93	533667	25.0	
* 2 Chlorobenzene-d5	82	11.899	11.899	0.0	82	239865	25.0	
* 3 1,4-Dichlorobenzene-d4	152	15.038	15.038	0.0	91	323196	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	7.683	7.683	0.0	99	94861	20.8	
\$ 5 Toluene-d8 (Surr)	98	9.946	9.946	0.0	92	567315	23.5	
\$ 6 4-Bromofluorobenzene (Surr)	174	13.511	13.511	0.0	95	276298	27.0	
10 Dichlorodifluoromethane	85		2.840					
15 Chlorodifluoromethane	51		2.865					
11 Chloromethane	50		3.047					
17 Vinyl chloride	62		3.236					
12 Bromomethane	94		3.662					
13 Chloroethane	64		3.783					
19 Dichlorofluoromethane	67		4.051					
14 Trichlorofluoromethane	101		4.142					
20 Ethyl ether	59		4.398					
22 Acrolein	56		4.629					
16 1,1,2-Trichloro-1,2,2-trifluoroethane	101		4.696					
25 1,1-Dichloroethene	96		4.726					
24 Acetone	43		4.793					
23 Isopropyl alcohol	45		4.946					
18 Iodomethane	142		4.958					
27 Carbon disulfide	76		5.049					
30 Methyl acetate	43		5.128					
28 3-Chloro-1-propene	41		5.134					
29 Acetonitrile	40		5.158					
31 Methylene Chloride	84		5.304					
33 2-Methyl-2-propanol	59		5.396					
32 Methyl tert-butyl ether	73		5.542					
35 trans-1,2-Dichloroethene	96		5.578					
34 Acrylonitrile	53		5.590					
36 Hexane	57		5.791					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
37 Isopropyl ether	45		6.022					
38 Vinyl acetate	43		6.053					
40 1,1-Dichloroethane	63		6.071					
39 1,1-Dimethoxyethane	75		6.120					
41 2-Chloro-1,3-butadiene	53		6.150					
42 Tert-butyl ethyl ether	59		6.442					
44 2-Butanone (MEK)	43		6.716					
46 Ethyl acetate	43		6.716					
45 2,2-Dichloropropane	77		6.722					
43 cis-1,2-Dichloroethene	96		6.728					
26 Propene oxide	58		6.750					
47 Propionitrile	54		6.838					
48 Methacrylonitrile	41		6.990					
50 Chlorobromomethane	128		7.026					
51 Tetrahydrofuran	42		7.056					
49 Chloroform	83		7.081					
52 1,1,1-Trichloroethane	97		7.294					
54 Cyclohexane	56		7.342					
56 1,1-Dichloropropene	75		7.458					
55 Carbon tetrachloride	117		7.476					
53 Isobutyl alcohol	43		7.555					
72 2-Nitropropane	43		7.555					
57 Benzene	78		7.726					
58 Tert-amyl methyl ether	73		7.762					
60 1,2-Dichloroethane	62		7.768					
59 n-Heptane	43		7.872					
61 n-Butanol	56		8.328					
62 Trichloroethene	95		8.462					
64 Methylcyclohexane	83		8.662					
63 1,2-Dichloropropane	63		8.766					
65 Methyl methacrylate	41		8.790					
68 1,4-Dioxane	88		8.912					
69 Dibromomethane	93		8.948					
70 Dichlorobromomethane	83		9.100					
71 2-Chloroethyl vinyl ether	63		9.392					
74 Epichlorohydrin	57		9.545					
73 cis-1,3-Dichloropropene	75		9.624					
75 4-Methyl-2-pentanone (MIBK)	43		9.764					
76 Toluene	92		10.037					
66 2-Methylthiophene	97		10.214					
78 trans-1,3-Dichloropropene	75		10.329					
77 Ethyl methacrylate	69		10.335					
67 3-Methylthiophene	97		10.427					
79 1,1,2-Trichloroethane	83		10.597					
80 Tetrachloroethene	166		10.749					
82 1,3-Dichloropropane	76		10.822					
83 2-Hexanone	43		10.840					
81 Chlorodibromomethane	129		11.151					
85 Ethylene Dibromide	107		11.327					
84 3-Chlorobenzotrifluoride	180		11.796					
86 4-Chlorobenzotrifluoride	180		11.875					
87 Chlorobenzene	112		11.942					

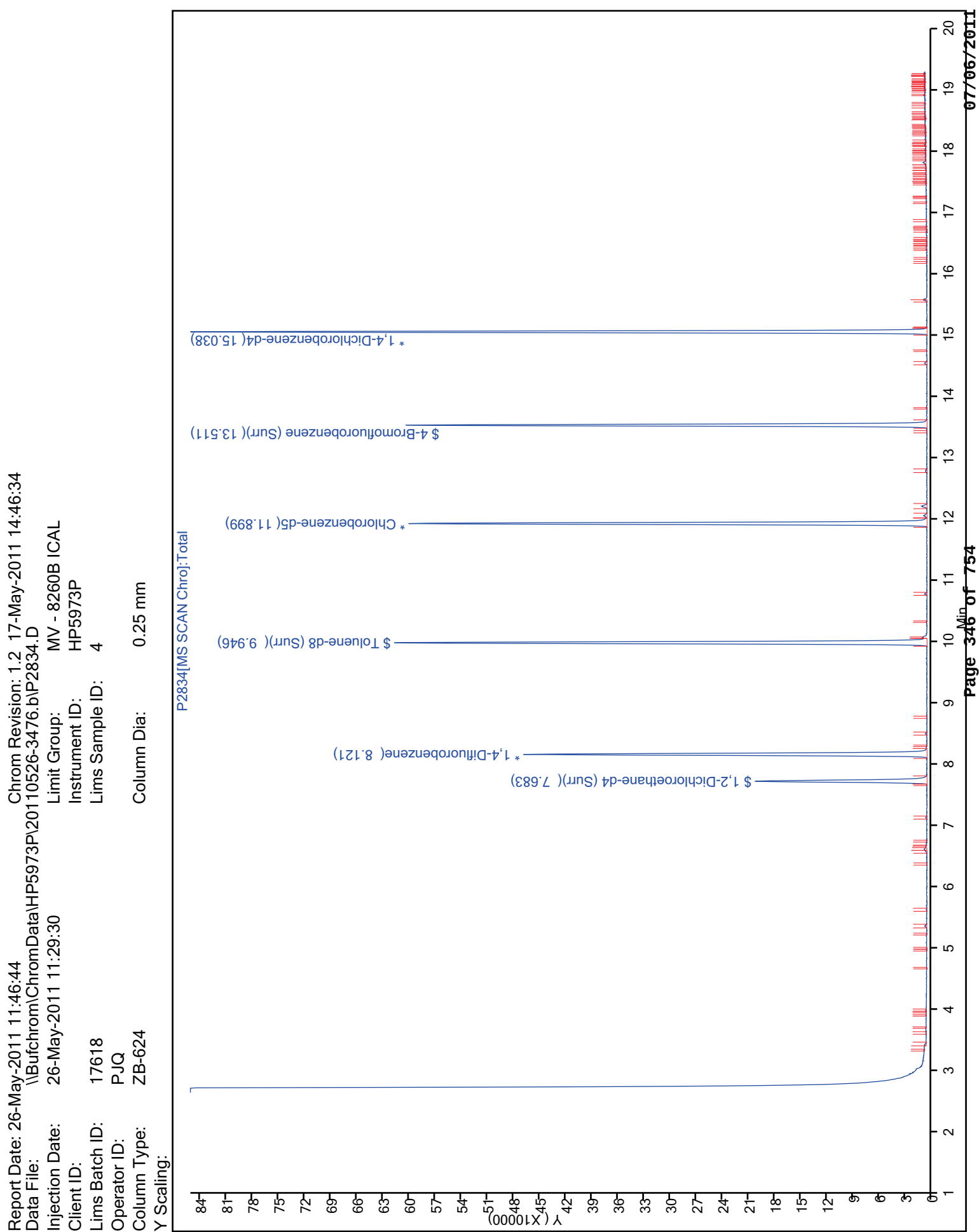
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
89 Ethylbenzene	91		12.027					
88 1,1,1,2-Tetrachloroethane	131		12.045					
90 m-Xylene & p-Xylene	106		12.179					
93 o-Xylene	106		12.757					
94 Styrene	104		12.781					
91 2-Chlorobenzotrifluoride	180		13.104					
92 Bromoform	173		13.134					
95 Isopropylbenzene	105		13.231					
96 Cyclohexanone	55		13.475					
97 1,1,2,2-Tetrachloroethane	83		13.718					
100 Bromobenzene	156		13.742					
98 trans-1,4-Dichloro-2-butene	53		13.773					
101 1,2,3-Trichloropropane	110		13.791					
99 N-Propylbenzene	91		13.791					
103 2-Chlorotoluene	126		13.967					
102 1,3,5-Trimethylbenzene	105		14.010					
104 3-Chlorotoluene	126		14.041					
105 4-Chlorotoluene	126		14.107					
106 tert-Butylbenzene	134		14.448					
107 1,2,4-Trimethylbenzene	105		14.521					
108 Pentachloroethane	167		14.552					
109 sec-Butylbenzene	105		14.734					
112 4-Isopropyltoluene	119		14.904					
110 1,3-Dichlorobenzene	146		14.959					
111 1,4-Dichlorobenzene	146		15.068					
114 Dicyclopentadiene	66		15.069					
113 1,2,3-Trimethylbenzene	105		15.087					
115 n-Butylbenzene	91		15.433					
116 1,2-Dichlorobenzene	146		15.561					
117 1,2-Dibromo-3-Chloropropane	75		16.547					
118 1,3,5-Trichlorobenzene	180		16.736					
119 1,2,4-Trichlorobenzene	180		17.490					
120 Hexachlorobutadiene	225		17.624					
121 Naphthalene	128		17.806					
122 1,2,3-Trichlorobenzene	180		18.098					
S 123 1,2-Dichloroethene, Total	1		30.000					7
S 124 1,3-Dichloropropene, Total	1		30.000					7
S 125 Total BTEX	1		30.000					7
S 126 Xylenes, Total	1		30.000					7
T 9 bis(2-chloromethyl)ether TIC	1		0.000					1
T 7 Ethylene oxide	1		0.000					1
T 8 t-Amyl alcohol	59		0.000					1
T 127 Ethanol TIC	45		0.000					1
T 128 Hexachloroethane TIC	1		0.000					1

QC Flag Legend

Processing Flags

1 - Missing Peaks

7 - Failed Limit of Detection



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-17630/4
 Matrix: Water Lab File ID: N7903.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 05/26/2011 11:41
 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.: 17630 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)	105		66-137
2037-26-5	Toluene-d8 (Surr)	107		71-126
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20110526-3480.b\N7903.D
 Lims ID: mb Client ID:
 Inject. Date: 26-May-2011 11:41:30 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: MB
 Misc. Info.: 480-0003480-004
 Operator: LH Instrument ID: HP5973N
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 17630 Lims Sample ID: 4
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20110526-3480.b\N-8260.m
 Last Update: 26-May-2011 12:00:21 Calib Date: 18-May-2011 16:42:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20110518-3245.b\N7574.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: HillL

Date: 26-May-2011 12:00:21

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.616	4.616	0.0	91	439332	25.0	
* 2 Chlorobenzene-d5	117	7.414	7.414	0.0	84	383793	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.878	9.878	0.0	95	199217	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.226	4.220	0.006	0	148951	26.3	
\$ 6 Toluene-d8 (Surr)	98	5.966	5.966	0.0	83	527465	26.7	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.661	8.661	0.0	87	150978	24.3	
11 Dichlorodifluoromethane	85		1.002					
12 Chlorodifluoromethane	51		1.014					
13 Chloromethane	50		1.081					
14 Vinyl chloride	62		1.160					
15 Bromomethane	94		1.355					
16 Chloroethane	64		1.416					
17 Dichlorofluoromethane	67		1.592					
18 Trichlorofluoromethane	101		1.616					
19 Ethyl ether	59		1.787					
81 Propene oxide	58		1.866					
20 Acrolein	56		1.921					
22 1,1-Dichloroethene	96		1.981					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		1.988					
23 Acetone	43		2.054					
24 Iodomethane	142		2.103					
25 Carbon disulfide	76		2.158					
26 Isopropyl alcohol	45		2.237					
27 3-Chloro-1-propene	41		2.273					
28 Methyl acetate	43		2.310					
29 Acetonitrile	40		2.316					
30 Methylene Chloride	84		2.413					
31 2-Methyl-2-propanol	59		2.571					
33 trans-1,2-Dichloroethene	96		2.602					
32 Methyl tert-butyl ether	73		2.608					
34 Acrylonitrile	53		2.639					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
35 Hexane	57		2.790					
36 1,1-Dichloroethane	63		2.973					
37 Isopropyl ether	45		3.016					
38 2-Chloro-1,3-butadiene	53		3.034					
39 Vinyl acetate	43		3.034					
40 1,1-Dimethoxyethane	75		3.082					
41 Tert-butyl ethyl ether	59		3.338					
42 2,2-Dichloropropane	77		3.472					
43 cis-1,2-Dichloroethene	96		3.490					
44 2-Butanone (MEK)	43		3.533					
45 Ethyl acetate	43		3.587					
46 Propionitrile	54		3.624					
47 Chlorobromomethane	128		3.709					
48 Methacrylonitrile	41		3.727					
49 Tetrahydrofuran	42		3.740					
50 Chloroform	83		3.794					
51 1,1,1-Trichloroethane	97		3.898					
52 Cyclohexane	56		3.916					
53 Carbon tetrachloride	117		4.032					
54 1,1-Dichloropropene	75		4.038					
55 Benzene	78		4.226					
56 Isobutyl alcohol	43		4.293					
57 1,2-Dichloroethane	62		4.293					
58 Tert-amyl methyl ether	73		4.336					
59 n-Heptane	43		4.439					
60 Trichloroethene	95		4.829					
61 n-Butanol	56		4.908					
62 Methylcyclohexane	83		4.944					
63 1,2-Dichloropropane	63		5.048					
64 Dibromomethane	93		5.181					
65 Methyl methacrylate	41		5.187					
66 1,4-Dioxane	88		5.218					
67 Dichlorobromomethane	83		5.346					
68 2-Nitropropane	43		5.583					
69 2-Chloroethyl vinyl ether	63		5.638					
70 Epichlorohydrin	57		5.711					
71 cis-1,3-Dichloropropene	75		5.753					
72 4-Methyl-2-pentanone (MIBK)	43		5.911					
73 Toluene	92		6.027					
74 2-Methylthiophene	97		6.161					
76 3-Methylthiophene	97		6.319					
75 trans-1,3-Dichloropropene	75		6.319					
77 Ethyl methacrylate	69		6.392					
78 1,1,2-Trichloroethane	83		6.496					
79 Tetrachloroethene	166		6.550					
80 1,3-Dichloropropane	76		6.648					
82 2-Hexanone	43		6.745					
83 Chlorodibromomethane	129		6.873					
84 Ethylene Dibromide	107		6.958					
85 Chlorobenzene	112		7.445					
86 3-Chlorobenzotrifluoride	180		7.450					
87 4-Chlorobenzotrifluoride	180		7.511					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
88 Ethylbenzene	91		7.548					
89 1,1,1,2-Tetrachloroethane	131		7.548					
90 m-Xylene & p-Xylene	106		7.676					
91 o-Xylene	106		8.089					
92 Styrene	104		8.114					
93 Bromoform	173		8.339					
94 2-Chlorobenzotrifluoride	180		8.406					
95 Isopropylbenzene	105		8.473					
96 Cyclohexanone	55		8.619					
97 Bromobenzene	156		8.801					
98 1,1,2,2-Tetrachloroethane	83		8.892					
99 1,2,3-Trichloropropane	110		8.911					
100 N-Propylbenzene	91		8.917					
101 trans-1,4-Dichloro-2-butene	53		8.941					
102 2-Chlorotoluene	126		9.008					
103 3-Chlorotoluene	126		9.075					
104 1,3,5-Trimethylbenzene	105		9.118					
105 4-Chlorotoluene	91		9.130					
106 tert-Butylbenzene	134		9.452					
107 Pentachloroethane	167		9.501					
108 1,2,4-Trimethylbenzene	105		9.513					
109 sec-Butylbenzene	105		9.683					
110 1,3-Dichlorobenzene	146		9.805					
111 4-Isopropyltoluene	119		9.841					
112 Dicyclopentadiene	66		9.872					
113 1,4-Dichlorobenzene	146		9.896					
114 1,2,3-Trimethylbenzene	105		9.945					
115 n-Butylbenzene	91		10.249					
116 1,2-Dichlorobenzene	146		10.267					
117 1,2-Dibromo-3-Chloropropane	75		11.028					
118 1,3,5-Trichlorobenzene	180		11.174					
119 1,2,4-Trichlorobenzene	180		11.727					
120 Hexachlorobutadiene	225		11.855					
121 Naphthalene	128		11.934					
122 1,2,3-Trichlorobenzene	180		12.141					
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	45		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	59		0.000					1
T 128 Hexachloroethane TIC	1		0.000					1

QC Flag Legend

Processing Flags

1 - Missing Peaks

7 - Failed Limit of Detection

Report Date: 26-May-2011 12:00:21

Data File:

\\Bufchrom\ChromData\HP5973N\20110526-3480.b\N7903.D

Chrom Revision: 1.2 17-May-2011 14:46:34

Injection Date: 26-May-2011 11:41:30

Limit Group:

MV - 8260B ICAL

Client ID:

Instrument ID:

HP5973N

Lims Batch ID: 17630

LH

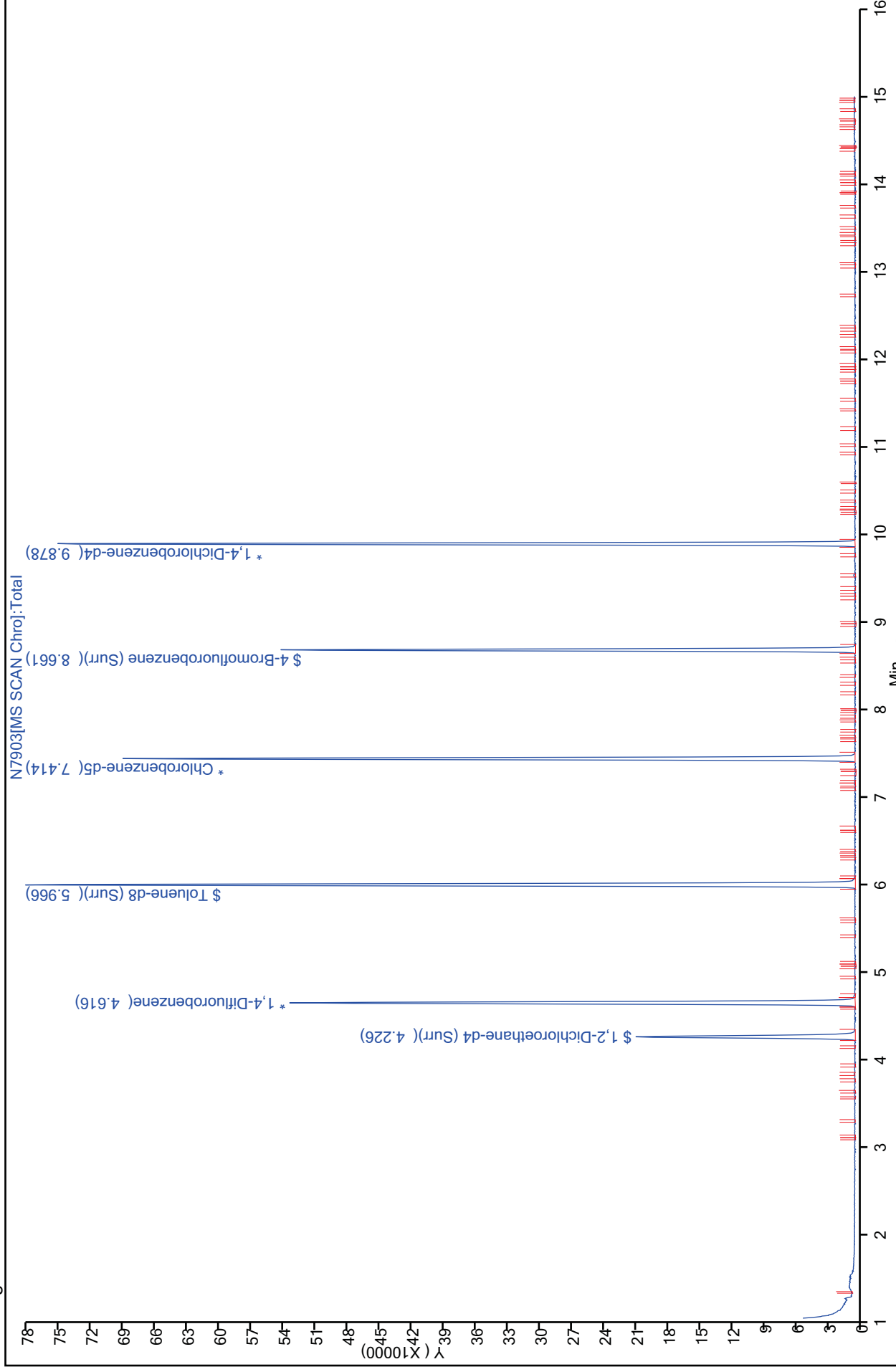
Lims Sample ID: 4

Operator ID: ZB-624

Column Type: 0.25 mm

Column Dia:

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-17745/4
 Matrix: Water Lab File ID: N7929.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 05/26/2011 22:25
 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.: 17745 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)	106		66-137
2037-26-5	Toluene-d8 (Surr)	107		71-126
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20110526-3497.b\N7929.D
 Lims ID: mb Client ID:
 Inject. Date: 26-May-2011 22:25:30 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: MB
 Misc. Info.: 480-0003497-004
 Operator: NMD Instrument ID: HP5973N
 Vol. Injected: 1.0000 ALS Bottle#: 29
 Lims Batch ID: 17745 Lims Sample ID: 4
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20110526-3497.b\N-8260.m
 Last Update: 26-May-2011 22:51:56 Calib Date: 18-May-2011 16:42:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20110518-3245.b\N7574.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: diasn

Date: 26-May-2011 22:51:56

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.616	4.616	0.0	91	425570	25.0	
* 2 Chlorobenzene-d5	117	7.414	7.414	0.0	86	372671	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.878	9.878	0.0	95	193025	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.226	4.226	0.0	0	144903	26.4	
\$ 6 Toluene-d8 (Surr)	98	5.966	5.966	0.0	83	514623	26.8	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.661	8.661	0.0	87	146329	24.3	
11 Dichlorodifluoromethane	85		1.002					
12 Chlorodifluoromethane	51		1.014					
13 Chloromethane	50		1.081					
14 Vinyl chloride	62		1.166					
15 Bromomethane	94		1.361					
16 Chloroethane	64		1.416					
17 Dichlorofluoromethane	67		1.592					
18 Trichlorofluoromethane	101		1.623					
19 Ethyl ether	59		1.787					
81 Propene oxide	58		1.866					
20 Acrolein	56		1.927					
22 1,1-Dichloroethene	96		1.988					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		1.994					
23 Acetone	43		2.061					
24 Iodomethane	142		2.109					
25 Carbon disulfide	76		2.164					
26 Isopropyl alcohol	45		2.237					
27 3-Chloro-1-propene	41		2.273					
28 Methyl acetate	43		2.316					
29 Acetonitrile	40		2.316					
30 Methylene Chloride	84		2.414					
31 2-Methyl-2-propanol	59		2.571					
33 trans-1,2-Dichloroethene	96		2.602					
32 Methyl tert-butyl ether	73		2.608					
34 Acrylonitrile	53		2.645					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
35 Hexane	57		2.790					
36 1,1-Dichloroethane	63		2.979					
37 Isopropyl ether	45		3.016					
38 2-Chloro-1,3-butadiene	53		3.034					
39 Vinyl acetate	43		3.034					
40 1,1-Dimethoxyethane	75		3.082					
41 Tert-butyl ethyl ether	59		3.338					
42 2,2-Dichloropropane	77		3.478					
43 cis-1,2-Dichloroethene	96		3.490					
44 2-Butanone (MEK)	43		3.539					
45 Ethyl acetate	43		3.587					
46 Propionitrile	54		3.624					
47 Chlorobromomethane	128		3.709					
48 Methacrylonitrile	41		3.727					
49 Tetrahydrofuran	42		3.740					
50 Chloroform	83		3.794					
51 1,1,1-Trichloroethane	97		3.904					
52 Cyclohexane	56		3.916					
53 Carbon tetrachloride	117		4.032					
54 1,1-Dichloropropene	75		4.044					
55 Benzene	78		4.233					
56 Isobutyl alcohol	43		4.293					
57 1,2-Dichloroethane	62		4.293					
58 Tert-amyl methyl ether	73		4.336					
59 n-Heptane	43		4.439					
60 Trichloroethene	95		4.829					
61 n-Butanol	56		4.908					
62 Methylcyclohexane	83		4.950					
63 1,2-Dichloropropane	63		5.048					
64 Dibromomethane	93		5.182					
65 Methyl methacrylate	41		5.187					
66 1,4-Dioxane	88		5.218					
67 Dichlorobromomethane	83		5.346					
68 2-Nitropropane	43		5.583					
69 2-Chloroethyl vinyl ether	63		5.638					
70 Epichlorohydrin	57		5.711					
71 cis-1,3-Dichloropropene	75		5.753					
72 4-Methyl-2-pentanone (MIBK)	43		5.912					
73 Toluene	92		6.027					
74 2-Methylthiophene	97		6.161					
76 3-Methylthiophene	97		6.319					
75 trans-1,3-Dichloropropene	75		6.319					
77 Ethyl methacrylate	69		6.392					
78 1,1,2-Trichloroethane	83		6.496					
79 Tetrachloroethene	166		6.550					
80 1,3-Dichloropropane	76		6.648					
82 2-Hexanone	43		6.745					
83 Chlorodibromomethane	129		6.873					
84 Ethylene Dibromide	107		6.958					
85 Chlorobenzene	112		7.439					
86 3-Chlorobenzotrifluoride	180		7.450					
87 4-Chlorobenzotrifluoride	180		7.511					

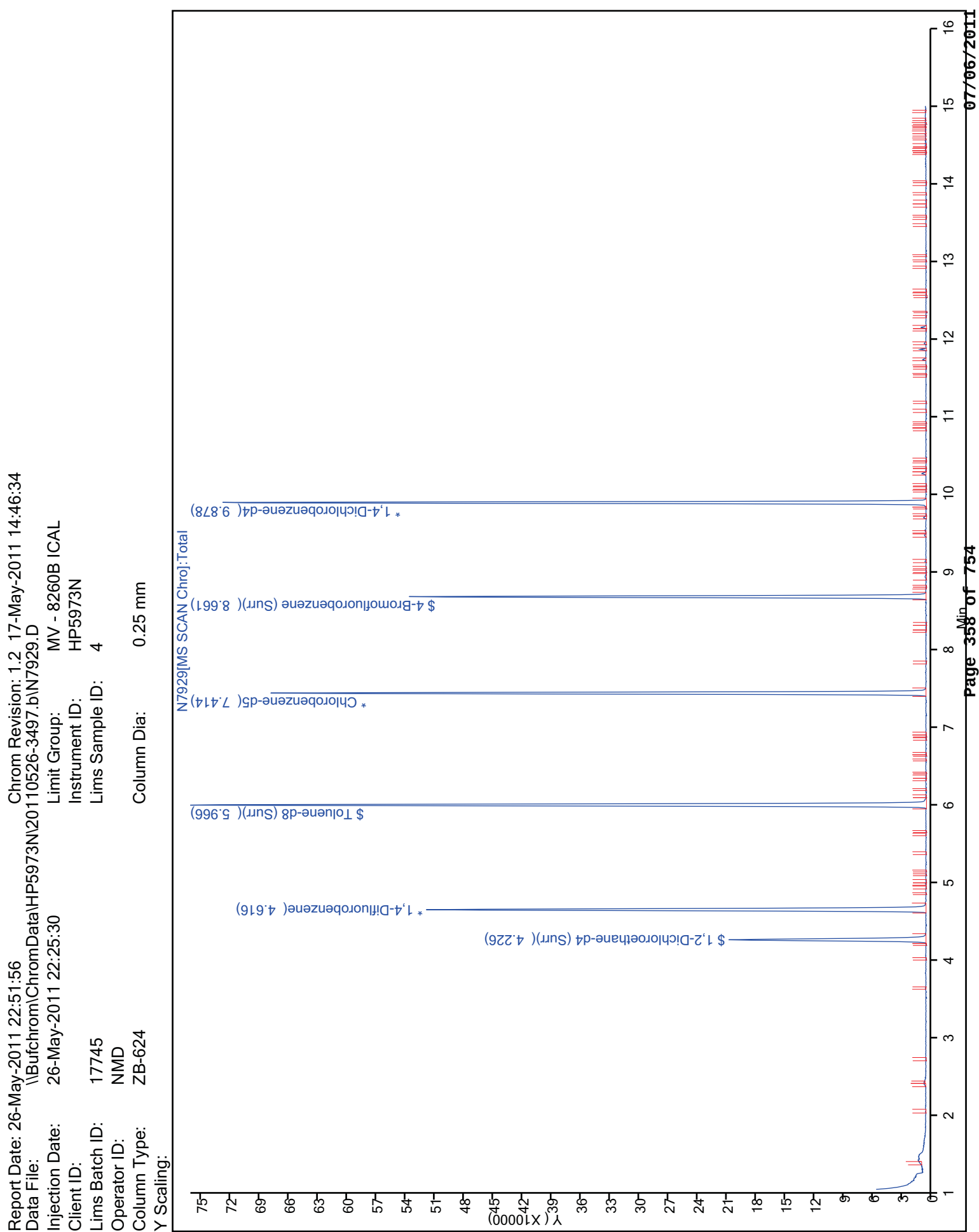
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
88 Ethylbenzene	91		7.548					
89 1,1,1,2-Tetrachloroethane	131		7.548					
90 m-Xylene & p-Xylene	106		7.670					
91 o-Xylene	106		8.083					
92 Styrene	104		8.114					
93 Bromoform	173		8.339					
94 2-Chlorobenzotrifluoride	180		8.406					
95 Isopropylbenzene	105		8.473					
96 Cyclohexanone	55		8.619					
97 Bromobenzene	156		8.795					
98 1,1,2,2-Tetrachloroethane	83		8.893					
99 1,2,3-Trichloropropane	110		8.911					
100 N-Propylbenzene	91		8.917					
101 trans-1,4-Dichloro-2-butene	53		8.941					
102 2-Chlorotoluene	126		9.008					
103 3-Chlorotoluene	126		9.075					
104 1,3,5-Trimethylbenzene	105		9.118					
105 4-Chlorotoluene	91		9.130					
106 tert-Butylbenzene	134		9.452					
107 Pentachloroethane	167		9.501					
108 1,2,4-Trimethylbenzene	105		9.513					
109 sec-Butylbenzene	105		9.683					
110 1,3-Dichlorobenzene	146		9.805					
111 4-Isopropyltoluene	119		9.842					
112 Dicyclopentadiene	66		9.872					
113 1,4-Dichlorobenzene	146		9.896					
114 1,2,3-Trimethylbenzene	105		9.945					
115 n-Butylbenzene	91		10.249					
116 1,2-Dichlorobenzene	146		10.267					
117 1,2-Dibromo-3-Chloropropane	75		11.028					
118 1,3,5-Trichlorobenzene	180		11.174					
119 1,2,4-Trichlorobenzene	180		11.721					
120 Hexachlorobutadiene	225		11.855					
121 Naphthalene	128		11.934					
122 1,2,3-Trichlorobenzene	180		12.141					
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	45		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	59		0.000					1
T 128 Hexachloroethane TIC	1		0.000					1

QC Flag Legend

Processing Flags

1 - Missing Peaks

7 - Failed Limit of Detection



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-17444/3
 Matrix: Water Lab File ID: P2785.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 05/25/2011 12:24
 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.: 17444 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	24.2		1.0	0.41
108-88-3	Toluene	25.9		1.0	0.51
100-41-4	Ethylbenzene	26.4		1.0	0.74
179601-23-1	m-Xylene & p-Xylene	52.2		2.0	0.66
95-47-6	o-Xylene	27.6		1.0	0.76
1330-20-7	Xylenes, Total	79.8		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	79		66-137
2037-26-5	Toluene-d8 (Surr)	97		71-126
460-00-4	4-Bromofluorobenzene (Surr)	110		73-120

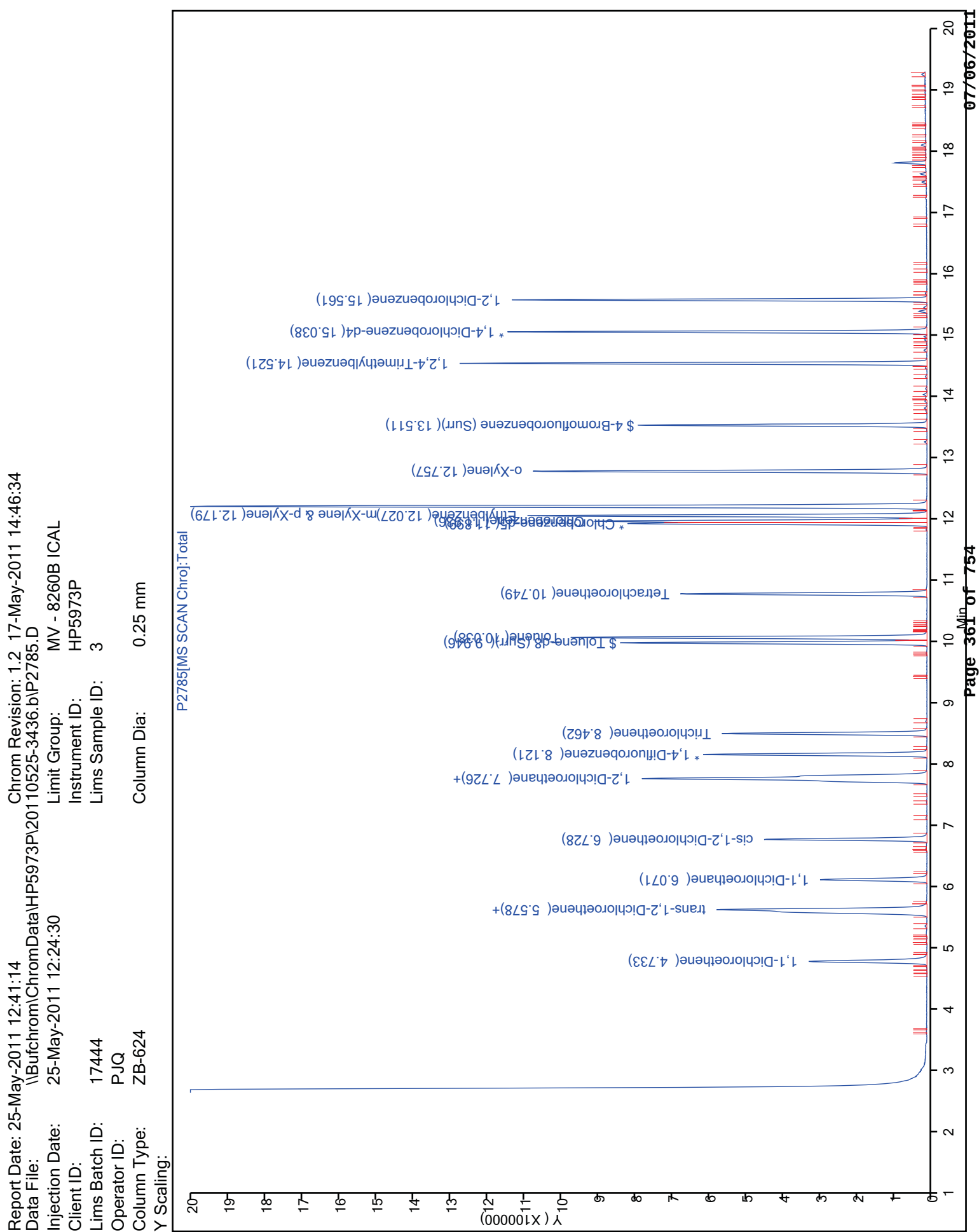
TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3436.b\P2785.D
 Lims ID: LCS Client ID:
 Inject. Date: 25-May-2011 12:24:30 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: LCS
 Misc. Info.: 480-0003436-003 =480-0003436-003
 Operator: PJQ Instrument ID: HP5973P
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 17444 Lims Sample ID: 3
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973P\20110525-3436.b\P-8260.m
 Last Update: 25-May-2011 12:41:14 Calib Date: 17-May-2011 15:59:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973P\20110517-3207.b\P2557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 25-May-2011 12:41:14

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	8.121	8.121	0.0	93	710434	25.0	
* 2 Chlorobenzene-d5	82	11.899	11.899	0.0	54	309308	25.0	
* 3 1,4-Dichlorobenzene-d4	152	15.038	15.038	0.0	91	430323	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	7.683	7.683	0.0	98	119738	19.7	
\$ 5 Toluene-d8 (Surr)	98	9.946	9.946	0.0	92	751513	24.2	
\$ 6 4-Bromofluorobenzene (Surr)	174	13.511	13.511	0.0	87	361572	27.4	
25 1,1-Dichloroethene	96	4.733	4.733	0.0	88	206453	20.9	
32 Methyl tert-butyl ether	73	5.548	5.548	0.0	88	710720	25.8	
35 trans-1,2-Dichloroethene	96	5.584	5.584	0.0	95	237412	23.1	
40 1,1-Dichloroethane	63	6.071	6.071	0.0	84	382056	21.9	
43 cis-1,2-Dichloroethene	96	6.728	6.734	-0.006	66	262796	23.9	
57 Benzene	78	7.726	7.726	0.0	80	897036	24.2	
60 1,2-Dichloroethane	62	7.768	7.774	-0.006	79	315518	21.3	
62 Trichloroethene	95	8.462	8.462	0.0	91	235910	22.9	
76 Toluene	92	10.038	10.031	0.007	98	589065	25.9	
80 Tetrachloroethene	166	10.749	10.749	0.0	89	316724	26.1	
87 Chlorobenzene	112	11.942	11.942	0.0	96	711360	26.0	
89 Ethylbenzene	91	12.027	12.027	0.0	98	1106084	26.4	
90 m-Xylene & p-Xylene	106	12.179	12.179	0.0	97	854601	52.2	
93 o-Xylene	106	12.757	12.757	0.0	96	429311	27.6	
107 1,2,4-Trimethylbenzene	105	14.521	14.521	0.0	96	888718	24.5	
116 1,2-Dichlorobenzene	146	15.561	15.561	0.0	98	622588	24.4	
S 123 1,2-Dichloroethene, Total	1				0		47.0	
S 126 Xylenes, Total	1				0		79.8	



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-17553/3
 Matrix: Water Lab File ID: N7887.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 05/25/2011 22:28
 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.: 17553 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	25.2		1.0	0.41
108-88-3	Toluene	26.2		1.0	0.51
100-41-4	Ethylbenzene	26.7		1.0	0.74
179601-23-1	m-Xylene & p-Xylene	53.5		2.0	0.66
95-47-6	o-Xylene	26.6		1.0	0.76
1330-20-7	Xylenes, Total	80.1		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		66-137
2037-26-5	Toluene-d8 (Surr)	106		71-126
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120

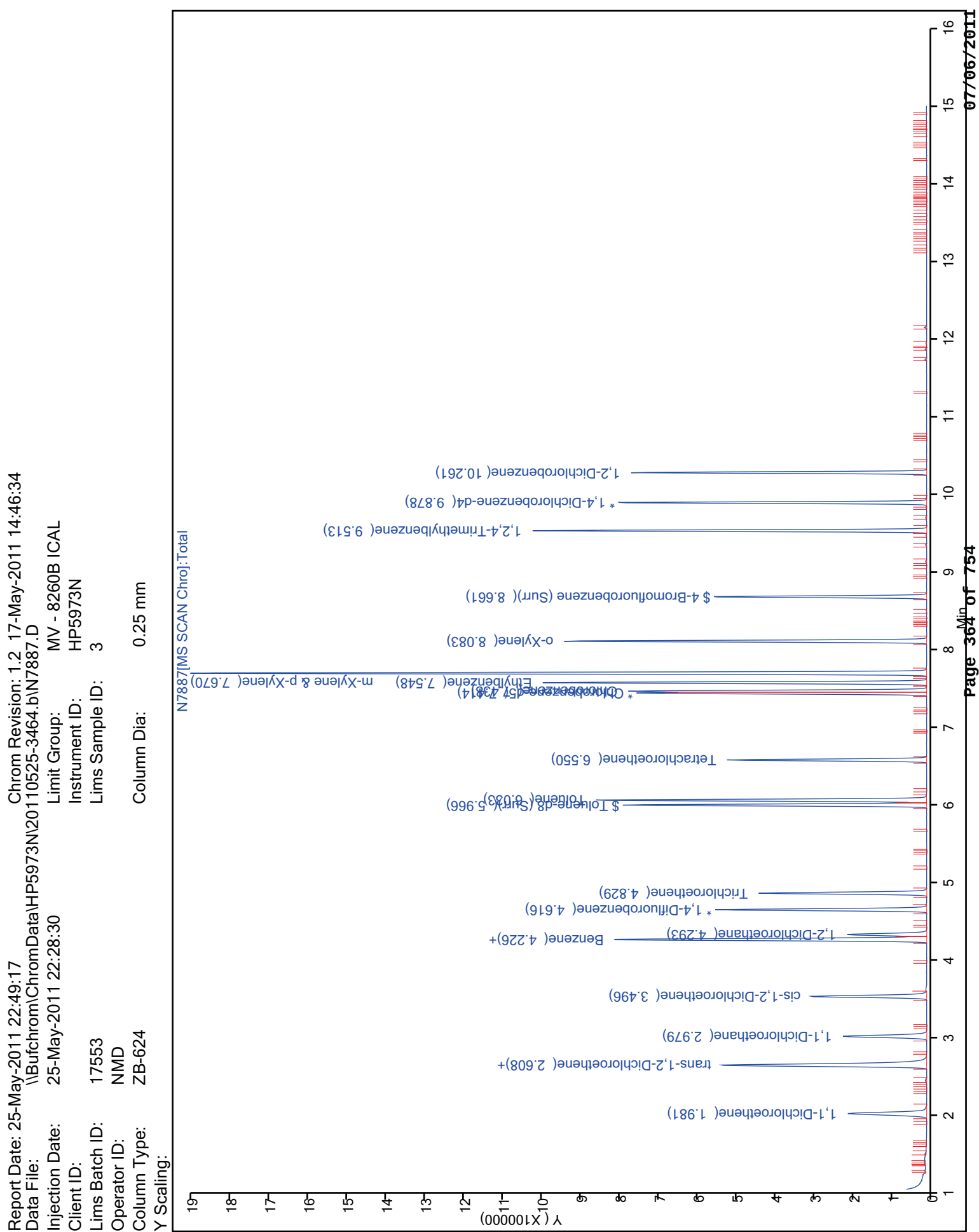
TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20110525-3464.b\N7887.D
 Lims ID: lcs Client ID:
 Inject. Date: 25-May-2011 22:28:30 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: LCS
 Misc. Info.: 480-0003464-003
 Operator: NMD Instrument ID: HP5973N
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 17553 Lims Sample ID: 3
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20110525-3464.b\N-8260.m
 Last Update: 25-May-2011 22:49:17 Calib Date: 18-May-2011 16:42:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20110518-3245.b\N7574.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: diasn

Date: 25-May-2011 22:49:17

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.616	4.616	0.0	91	442014	25.0	
* 2 Chlorobenzene-d5	117	7.414	7.414	0.0	60	385386	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.878	9.878	0.0	95	202626	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.226	4.226	0.0	0	145797	25.6	
\$ 6 Toluene-d8 (Surr)	98	5.966	5.966	0.0	83	523215	26.4	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.661	8.661	0.0	87	152296	24.4	
22 1,1-Dichloroethene	96	1.981	1.981	0.0	89	116506	21.7	
33 trans-1,2-Dichloroethene	96	2.608	2.602	0.006	80	137781	25.3	
32 Methyl tert-butyl ether	73	2.608	2.608	0.0	88	360789	24.7	
36 1,1-Dichloroethane	63	2.979	2.979	0.0	85	236681	25.8	
43 cis-1,2-Dichloroethene	96	3.496	3.490	0.006	78	146721	25.0	
55 Benzene	78	4.232	4.226	0.006	96	595695	25.2	
57 1,2-Dichloroethane	62	4.293	4.293	0.0	92	171889	26.5	
60 Trichloroethene	95	4.829	4.828	0.001	97	142040	25.9	
73 Toluene	92	6.033	6.027	0.006	92	374520	26.2	
79 Tetrachloroethene	166	6.550	6.550	0.0	98	150334	25.9	
85 Chlorobenzene	112	7.438	7.444	-0.006	92	396567	26.2	
88 Ethylbenzene	91	7.548	7.548	0.0	98	705892	26.7	
90 m-Xylene & p-Xylene	106	7.676	7.670	0.006	99	553966	53.5	
91 o-Xylene	106	8.083	8.083	0.0	97	260629	26.6	
108 1,2,4-Trimethylbenzene	105	9.513	9.513	0.0	91	555839	27.8	
116 1,2-Dichlorobenzene	146	10.261	10.267	-0.006	96	293676	26.6	
S 124 1,2-Dichloroethene, Total	1				0		50.3	
S 126 Xylenes, Total	1				0		80.1	



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-17555/3
 Matrix: Water Lab File ID: P2808.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 05/25/2011 22:33
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 17555 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	26.2		1.0	0.41
108-88-3	Toluene	28.0		1.0	0.51
100-41-4	Ethylbenzene	28.7		1.0	0.74
179601-23-1	m-Xylene & p-Xylene	56.8		2.0	0.66
95-47-6	o-Xylene	29.8		1.0	0.76
1330-20-7	Xylenes, Total	86.6		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	80		66-137
2037-26-5	Toluene-d8 (Surr)	95		71-126
460-00-4	4-Bromofluorobenzene (Surr)	109		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110525-3466.b\P2808.D

Lims ID: LCS

Client ID:

Inject. Date: 25-May-2011 22:33:30

Dil. Factor: 1.0000

Sample Type: LCS

Sample ID: LCS

Misc. Info.: 480-0003466-003 =480-0003466-003

Operator: CDC

Instrument ID: HP5973P

Vol. Injected: 1.0000

ALS Bottle#: 2

Lims Batch ID: 17555

Lims Sample ID: 3

Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973P\20110525-3466.b\P-8260.m

Last Update: 25-May-2011 23:27:56

Calib Date: 17-May-2011 15:59:30

Quant Method: Internal Standard

Quant By: Initial Calibration

Last ICal File: \\Bufchrom\ChromData\HP5973P\20110517-3207.b\P2557.D

Limit Group: MV - 8260B ICAL

Integrator: RTE

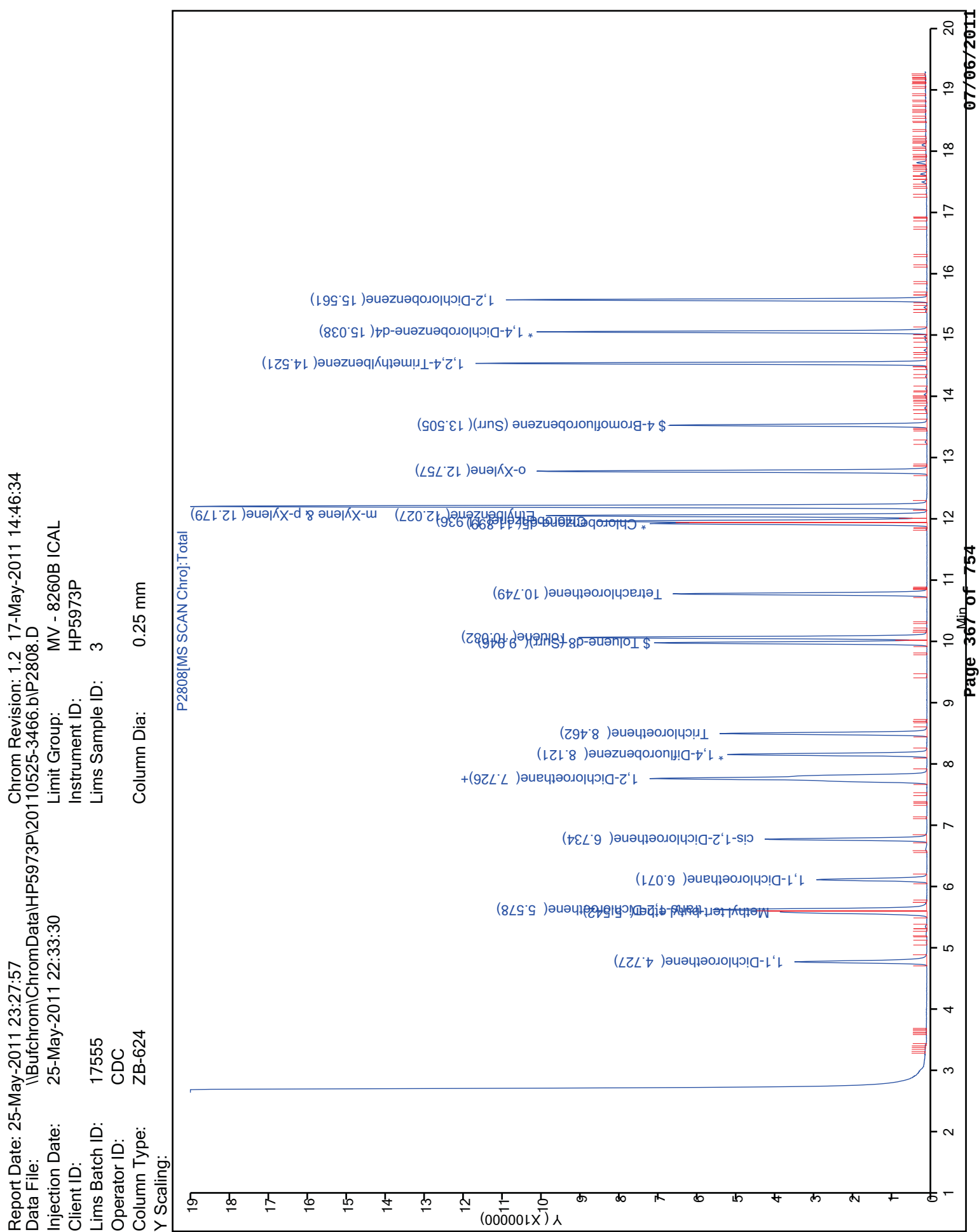
ID Type: Deconvolution ID

Process Host: CORP-CTX-16

First Level Reviewer: cwiklinc

Date: 25-May-2011 23:27:56

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	8.121	8.121	0.0	92	606445	25.0	
* 2 Chlorobenzene-d5	82	11.899	11.899	0.0	54	263479	25.0	
* 3 1,4-Dichlorobenzene-d4	152	15.038	15.038	0.0	91	371194	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	7.683	7.683	0.0	59	103386	20.0	
\$ 5 Toluene-d8 (Surr)	98	9.946	9.946	0.0	92	628268	23.7	
\$ 6 4-Bromofluorobenzene (Surr)	174	13.511	13.511	0.0	95	307015	27.3	
25 1,1-Dichloroethene	96	4.727	4.726	0.001	89	202066	24.0	
32 Methyl tert-butyl ether	73	5.542	5.542	0.0	88	657263	27.9	
35 trans-1,2-Dichloroethene	96	5.584	5.578	0.006	95	227898	26.0	
40 1,1-Dichloroethane	63	6.071	6.071	0.0	85	366043	24.6	
43 cis-1,2-Dichloroethene	96	6.734	6.728	0.006	66	244776	26.1	
57 Benzene	78	7.726	7.726	0.0	80	827984	26.2	
60 1,2-Dichloroethane	62	7.768	7.768	0.0	91	307086	24.3	
62 Trichloroethene	95	8.462	8.462	0.0	91	229604	26.1	
76 Toluene	92	10.038	10.031	0.007	99	542455	28.0	
80 Tetrachloroethene	166	10.749	10.749	0.0	90	302929	29.3	
87 Chlorobenzene	112	11.942	11.941	0.001	95	657328	28.2	
89 Ethylbenzene	91	12.027	12.027	0.0	98	1025537	28.7	
90 m-Xylene & p-Xylene	106	12.179	12.179	0.0	98	791800	56.8	
93 o-Xylene	106	12.757	12.757	0.0	96	394893	29.8	
107 1,2,4-Trimethylbenzene	105	14.521	14.521	0.0	96	823811	26.3	
116 1,2-Dichlorobenzene	146	15.561	15.561	0.0	98	583777	26.5	
S 126 Xylenes, Total	1				0		86.6	
S 123 1,2-Dichloroethene, Total	1				0		52.0	



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-17618/3
 Matrix: Water Lab File ID: P2833.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 05/26/2011 11:04
 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.: 17618 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	25.5		1.0	0.41
108-88-3	Toluene	27.5		1.0	0.51
100-41-4	Ethylbenzene	28.0		1.0	0.74
179601-23-1	m-Xylene & p-Xylene	56.0		2.0	0.66
95-47-6	o-Xylene	29.1		1.0	0.76
1330-20-7	Xylenes, Total	85.1		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	84		66-137
2037-26-5	Toluene-d8 (Surr)	96		71-126
460-00-4	4-Bromofluorobenzene (Surr)	109		73-120

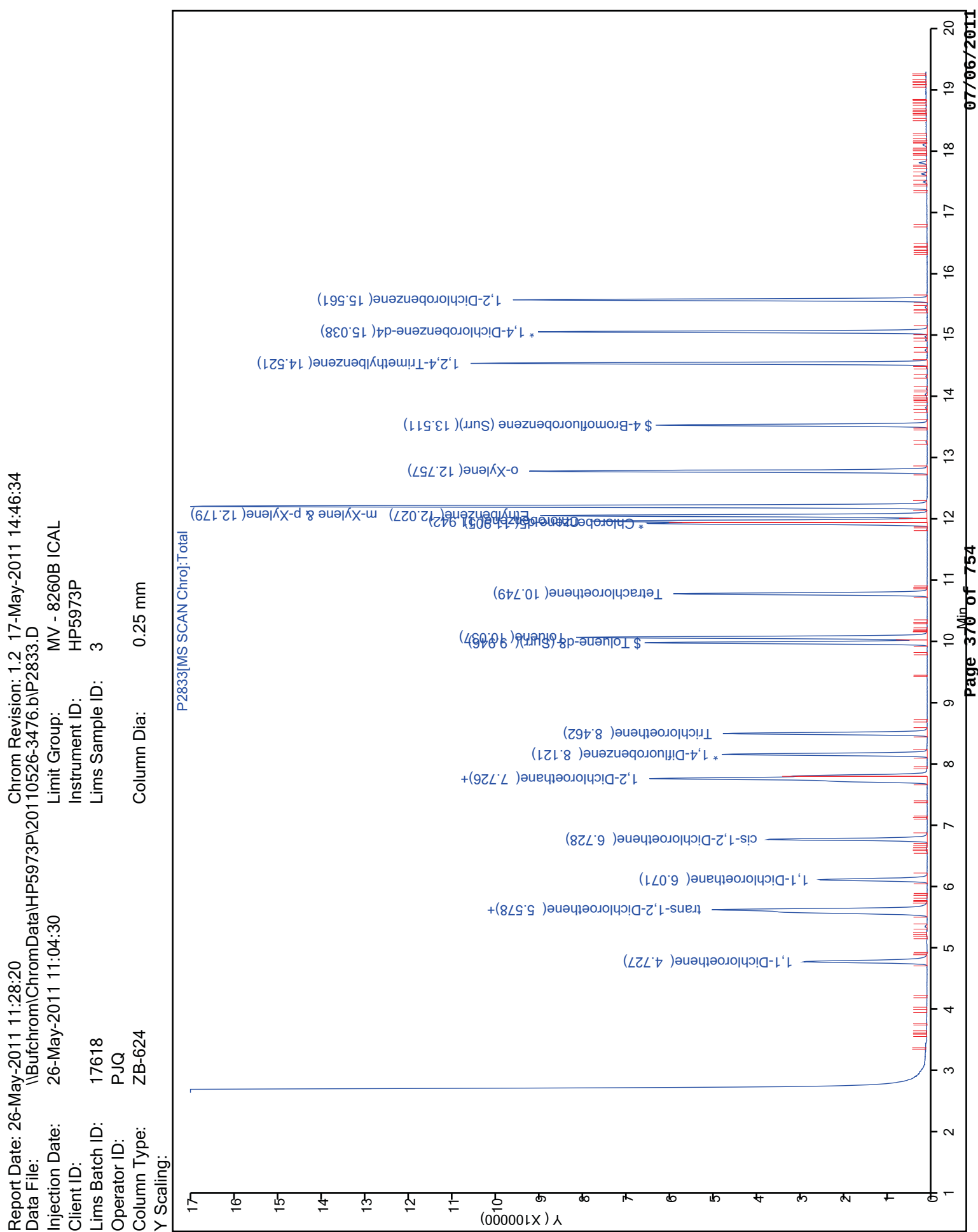
TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110526-3476.b\P2833.D
 Lims ID: LCS Client ID:
 Inject. Date: 26-May-2011 11:04:30 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: LCS
 Misc. Info.: 480-0003476-003 =480-0003476-003
 Operator: PJQ Instrument ID: HP5973P
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 17618 Lims Sample ID: 3
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973P\20110526-3476.b\P-8260.m
 Last Update: 26-May-2011 11:28:20 Calib Date: 17-May-2011 15:59:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973P\20110517-3207.b\P2557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: quirkp

Date: 26-May-2011 11:28:20

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	8.121	8.121	0.0	93	561257	25.0	
* 2 Chlorobenzene-d5	82	11.899	11.899	0.0	61	247446	25.0	
* 3 1,4-Dichlorobenzene-d4	152	15.038	15.038	0.0	92	340841	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	7.683	7.683	0.0	59	100372	21.0	
\$ 5 Toluene-d8 (Surr)	98	9.946	9.946	0.0	92	594403	23.9	
\$ 6 4-Bromofluorobenzene (Surr)	174	13.511	13.511	0.0	96	287971	27.2	
25 1,1-Dichloroethene	96	4.733	4.726	0.007	89	183052	23.5	
32 Methyl tert-butyl ether	73	5.542	5.542	0.0	89	609457	28.0	
35 trans-1,2-Dichloroethene	96	5.578	5.578	0.0	96	206041	25.4	
40 1,1-Dichloroethane	63	6.071	6.071	0.0	85	333346	24.2	
43 cis-1,2-Dichloroethene	96	6.734	6.728	0.006	67	223358	25.7	
57 Benzene	78	7.726	7.726	0.0	81	745360	25.5	
60 1,2-Dichloroethane	62	7.768	7.768	0.0	79	291880	25.0	
62 Trichloroethene	95	8.462	8.462	0.0	92	203744	25.0	
76 Toluene	92	10.037	10.037	0.0	98	501484	27.5	
80 Tetrachloroethene	166	10.749	10.749	0.0	90	275003	28.3	
87 Chlorobenzene	112	11.942	11.942	0.0	95	612215	27.9	
89 Ethylbenzene	91	12.027	12.027	0.0	98	939014	28.0	
90 m-Xylene & p-Xylene	106	12.185	12.179	0.006	98	732817	56.0	
93 o-Xylene	106	12.757	12.757	0.0	97	362690	29.1	
107 1,2,4-Trimethylbenzene	105	14.521	14.521	0.0	97	761690	26.5	
116 1,2-Dichlorobenzene	146	15.561	15.561	0.0	98	540371	26.7	
S 123 1,2-Dichloroethene, Total	1				0		51.1	
S 126 Xylenes, Total	1				0		85.1	



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-17630/3
 Matrix: Water Lab File ID: N7902.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 05/26/2011 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.: 17630 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	23.8		1.0	0.41
108-88-3	Toluene	24.8		1.0	0.51
100-41-4	Ethylbenzene	25.1		1.0	0.74
179601-23-1	m-Xylene & p-Xylene	50.6		2.0	0.66
95-47-6	o-Xylene	25.2		1.0	0.76
1330-20-7	Xylenes, Total	75.8		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		66-137
2037-26-5	Toluene-d8 (Surr)	107		71-126
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20110526-3480.b\N7902.D

Lims ID: lcs

Client ID:

Inject. Date: 26-May-2011 11:18:30

Dil. Factor: 1.0000

Sample Type: LCS

Sample ID: LCS

Misc. Info.: 480-0003480-003

Operator: LH

Instrument ID: HP5973N

Vol. Injected: 1.0000

ALS Bottle#: 2

Lims Batch ID: 17630

Lims Sample ID: 3

Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973N\20110526-3480.b\N-8260.m

Last Update: 26-May-2011 12:00:02

Calib Date: 18-May-2011 16:42:30

Quant Method: Internal Standard

Quant By: Initial Calibration

Last ICal File: \\Bufchrom\ChromData\HP5973N\20110518-3245.b\N7574.D

Limit Group: MV - 8260B ICAL

Integrator: RTE

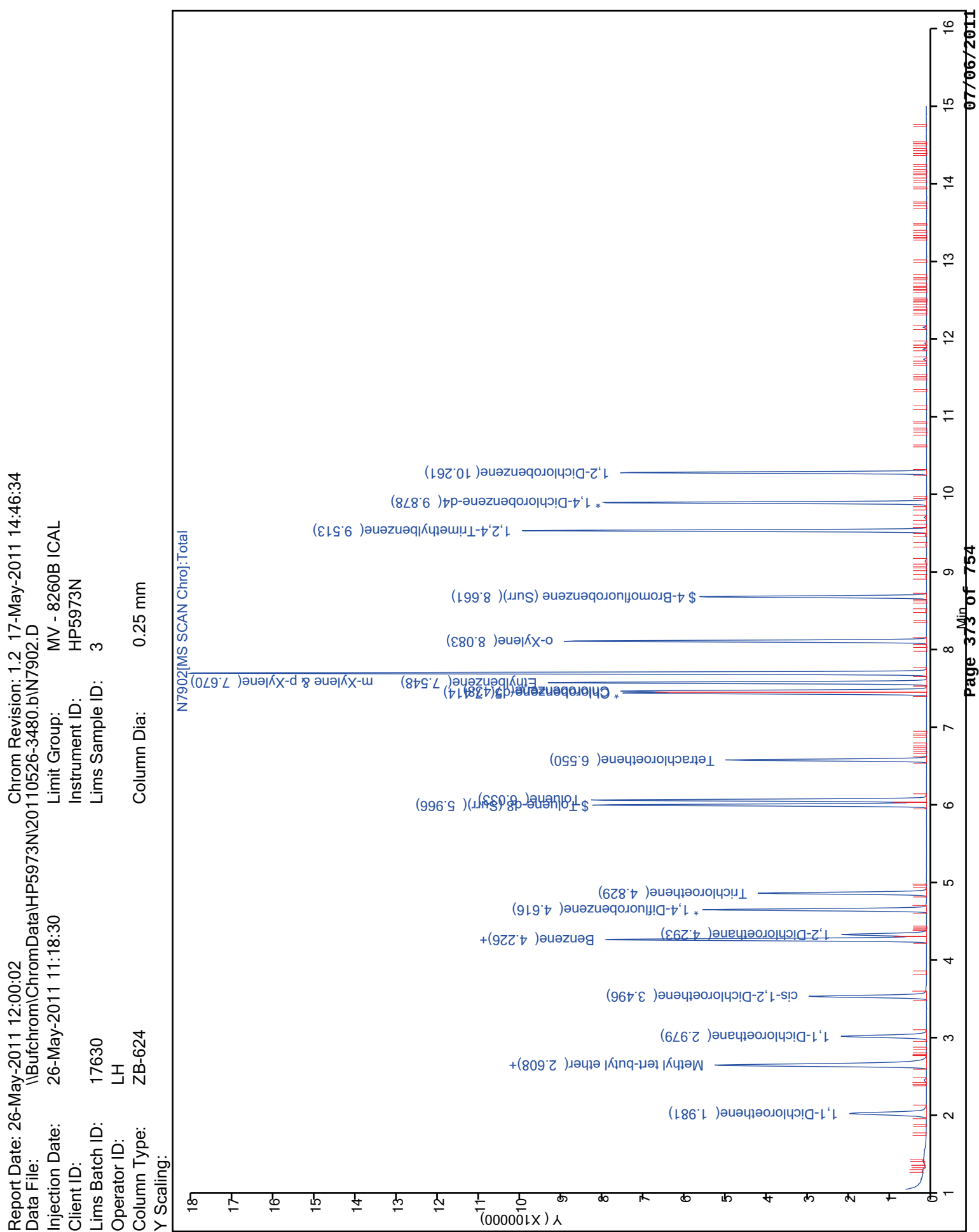
ID Type: Deconvolution ID

Process Host: CORP-CTX-19

First Level Reviewer: HillL

Date: 26-May-2011 12:00:01

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.616	4.616	0.0	91	451961	25.0	
* 2 Chlorobenzene-d5	117	7.414	7.414	0.0	58	392667	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.878	9.878	0.0	95	209196	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.226	4.220	0.006	0	153218	26.3	
\$ 6 Toluene-d8 (Surr)	98	5.966	5.966	0.0	83	540726	26.8	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.661	8.661	0.0	87	156499	24.6	
22 1,1-Dichloroethene	96	1.981	1.981	0.0	89	108908	19.9	
33 trans-1,2-Dichloroethene	96	2.608	2.602	0.006	73	133283	24.0	
32 Methyl tert-butyl ether	73	2.608	2.608	0.0	88	364773	24.4	
36 1,1-Dichloroethane	63	2.979	2.973	0.006	90	229654	24.5	
43 cis-1,2-Dichloroethene	96	3.496	3.490	0.006	66	140677	23.4	
55 Benzene	78	4.232	4.226	0.006	96	574380	23.8	
57 1,2-Dichloroethane	62	4.293	4.293	0.0	91	168270	25.4	
60 Trichloroethene	95	4.829	4.829	0.0	96	136886	24.4	
73 Toluene	92	6.033	6.027	0.006	92	361277	24.8	
79 Tetrachloroethene	166	6.550	6.550	0.0	93	143597	24.2	
85 Chlorobenzene	112	7.438	7.445	-0.007	93	384914	24.9	
88 Ethylbenzene	91	7.548	7.548	0.0	98	676643	25.1	
90 m-Xylene & p-Xylene	106	7.676	7.676	0.0	99	533825	50.6	
91 o-Xylene	106	8.089	8.089	0.0	96	251826	25.2	
108 1,2,4-Trimethylbenzene	105	9.513	9.513	0.0	91	531522	25.7	
116 1,2-Dichlorobenzene	146	10.267	10.267	0.0	97	287314	25.2	
S 126 Xylenes, Total	1				0		75.8	
S 124 1,2-Dichloroethene, Total	1				0		47.4	



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-17745/3
 Matrix: Water Lab File ID: N7928.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 05/26/2011 22:02
 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.: 17745 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	25.2		1.0	0.41
108-88-3	Toluene	25.3		1.0	0.51
100-41-4	Ethylbenzene	25.8		1.0	0.74
179601-23-1	m-Xylene & p-Xylene	50.7		2.0	0.66
95-47-6	o-Xylene	25.3		1.0	0.76
1330-20-7	Xylenes, Total	76.0		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		66-137
2037-26-5	Toluene-d8 (Surr)	108		71-126
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20110526-3497.b\N7928.D
 Lims ID: lcs Client ID:
 Inject. Date: 26-May-2011 22:02:30 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: LCS
 Misc. Info.: 480-0003497-003
 Operator: NMD Instrument ID: HP5973N
 Vol. Injected: 1.0000 ALS Bottle#: 28
 Lims Batch ID: 17745 Lims Sample ID: 3
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20110526-3497.b\N-8260.m
 Last Update: 26-May-2011 22:50:40 Calib Date: 18-May-2011 16:42:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20110518-3245.b\N7574.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: diasn

Date: 26-May-2011 22:50:40

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.616	4.616	0.0	91	436414	25.0	
* 2 Chlorobenzene-d5	117	7.414	7.414	0.0	63	391167	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.878	9.878	0.0	65	215547	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.226	4.226	0.0	0	149811	26.6	
\$ 6 Toluene-d8 (Surr)	98	5.966	5.966	0.0	81	541235	26.9	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.661	8.661	0.0	87	156556	24.7	
11 Dichlorodifluoromethane	85	1.008	1.002	0.006	84	118575	24.5	
13 Chloromethane	50	1.087	1.081	0.006	90	144984	26.5	
14 Vinyl chloride	62	1.166	1.166	0.0	83	155712	25.9	
15 Bromomethane	94	1.361	1.361	0.0	90	91676	24.7	
16 Chloroethane	64	1.416	1.416	0.0	98	89175	26.1	
18 Trichlorofluoromethane	101	1.623	1.623	0.0	83	145760	26.3	
20 Acrolein	56	1.933	1.927	0.006	89	203224	528.5	
22 1,1-Dichloroethene	96	1.994	1.988	0.006	90	133416	25.2	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.000	1.994	0.006	76	99738	24.8	
23 Acetone	43	2.067	2.061	0.006	95	145746	128.4	
24 Iodomethane	142	2.109	2.109	0.0	98	141194	25.0	
25 Carbon disulfide	76	2.170	2.164	0.006	98	291658	23.9	
28 Methyl acetate	43	2.322	2.316	0.006	62	111998	26.3	
29 Acetonitrile	40	2.322	2.316	0.006	99	252802	1015.2	
30 Methylene Chloride	84	2.420	2.414	0.006	77	140974	25.0	
33 trans-1,2-Dichloroethene	96	2.608	2.602	0.006	98	135238	25.2	
32 Methyl tert-butyl ether	73	2.614	2.608	0.006	88	344434	23.9	
34 Acrylonitrile	53	2.651	2.645	0.006	98	181818	130.4	
36 1,1-Dichloroethane	63	2.979	2.979	0.0	83	228232	25.2	
39 Vinyl acetate	43	3.040	3.034	0.006	97	908936	143.4	
42 2,2-Dichloropropane	77	3.478	3.478	0.0	88	122886	25.6	
43 cis-1,2-Dichloroethene	96	3.496	3.490	0.006	69	146939	25.3	
44 2-Butanone (MEK)	43	3.539	3.539	0.0	96	227138	123.5	
47 Chlorobromomethane	128	3.715	3.709	0.006	87	64141	25.3	
49 Tetrahydrofuran	42	3.746	3.740	0.006	83	151746	130.3	

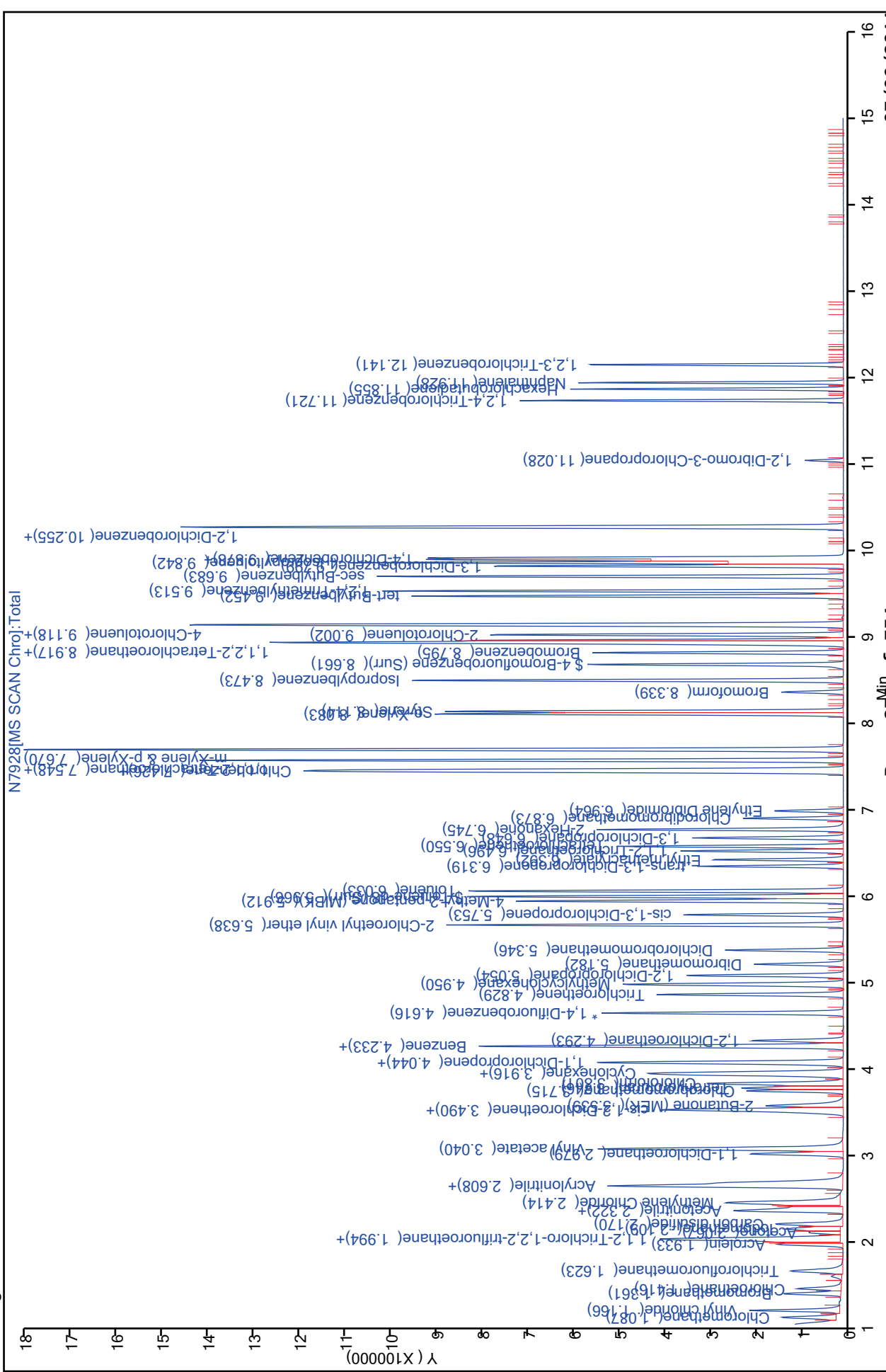
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
50 Chloroform	83	3.801	3.794	0.007	75	237335	25.2	
51 1,1,1-Trichloroethane	97	3.904	3.904	0.0	90	153604	26.4	
52 Cyclohexane	56	3.922	3.916	0.006	88	191566	26.5	
53 Carbon tetrachloride	117	4.038	4.032	0.006	81	148651	29.2	
54 1,1-Dichloropropene	75	4.044	4.044	0.0	96	197489	25.7	
55 Benzene	78	4.233	4.233	0.001	96	587520	25.2	
57 1,2-Dichloroethane	62	4.293	4.293	0.0	91	166206	26.0	
60 Trichloroethene	95	4.829	4.829	0.0	97	136762	25.3	
62 Methylcyclohexane	83	4.950	4.950	0.0	86	233796	27.3	
63 1,2-Dichloropropane	63	5.054	5.048	0.006	93	129887	25.0	
64 Dibromomethane	93	5.182	5.182	0.0	87	72571	25.1	
67 Dichlorobromomethane	83	5.346	5.346	0.0	94	168864	26.7	
69 2-Chloroethyl vinyl ether	63	5.638	5.638	0.0	92	359110	118.7	
71 cis-1,3-Dichloropropene	75	5.753	5.753	0.0	89	205795	26.7	
72 4-Methyl-2-pentanone (MIBK)	43	5.912	5.912	0.0	96	490967	129.1	
73 Toluene	92	6.033	6.027	0.006	92	366065	25.3	
75 trans-1,3-Dichloropropene	75	6.319	6.319	0.0	89	168332	24.0	
77 Ethyl methacrylate	69	6.398	6.392	0.006	87	157505	23.2	
78 1,1,2-Trichloroethane	83	6.496	6.496	0.0	91	93935	24.3	
79 Tetrachloroethene	166	6.550	6.550	0.0	89	148305	25.1	
80 1,3-Dichloropropane	76	6.648	6.648	0.0	86	201050	24.7	
82 2-Hexanone	43	6.745	6.745	0.0	95	339196	129.6	
83 Chlorodibromomethane	129	6.873	6.873	0.0	86	115489	27.6	
84 Ethylene Dibromide	107	6.964	6.958	0.006	98	106807	25.2	
85 Chlorobenzene	112	7.445	7.439	0.006	92	386062	25.1	
88 Ethylbenzene	91	7.548	7.548	0.0	98	691469	25.8	
89 1,1,1,2-Tetrachloroethane	131	7.548	7.548	0.0	90	120169	28.2	
90 m-Xylene & p-Xylene	106	7.676	7.670	0.006	99	532431	50.7	
91 o-Xylene	106	8.083	8.083	0.0	80	252054	25.3	
92 Styrene	104	8.114	8.114	0.0	89	444800	26.0	
93 Bromoform	173	8.339	8.339	0.0	92	64560	22.4	
95 Isopropylbenzene	105	8.473	8.473	0.0	96	663397	26.0	
97 Bromobenzene	156	8.795	8.795	0.0	93	158146	25.4	
98 1,1,2,2-Tetrachloroethane	83	8.893	8.893	0.0	94	140726	24.8	
99 1,2,3-Trichloropropane	110	8.911	8.911	0.0	82	40679	25.5	
100 N-Propylbenzene	91	8.917	8.917	0.0	90	829810	26.4	
101 trans-1,4-Dichloro-2-butene	53	8.941	8.941	0.0	89	145409	122.0	
102 2-Chlorotoluene	126	9.002	9.008	-0.006	95	152380	25.8	
104 1,3,5-Trimethylbenzene	105	9.112	9.118	-0.006	90	556762	26.5	
105 4-Chlorotoluene	91	9.130	9.130	0.0	99	560839	26.1	
106 tert-Butylbenzene	134	9.452	9.452	0.0	85	119494	25.6	
108 1,2,4-Trimethylbenzene	105	9.513	9.513	0.0	91	559190	26.3	
109 sec-Butylbenzene	105	9.683	9.683	0.0	93	718725	26.0	
110 1,3-Dichlorobenzene	146	9.805	9.805	0.0	96	314187	25.3	
111 4-Isopropyltoluene	119	9.842	9.842	0.0	77	597183	26.6	
113 1,4-Dichlorobenzene	146	9.896	9.896	0.0	91	326270	25.1	
115 n-Butylbenzene	91	10.249	10.249	0.0	94	574937	26.5	
116 1,2-Dichlorobenzene	146	10.261	10.267	-0.006	92	294795	25.1	
117 1,2-Dibromo-3-Chloropropane	75	11.028	11.028	0.0	67	18972	22.4	
119 1,2,4-Trichlorobenzene	180	11.721	11.721	0.0	92	186328	23.5	
120 Hexachlorobutadiene	225	11.855	11.855	0.0	96	95699	21.0	
121 Naphthalene	128	11.928	11.934	-0.006	97	367979	23.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
122 1,2,3-Trichlorobenzene	180	12.141	12.141	0.0	95	149381	22.3	
S 126 Xylenes, Total	1				0		76.0	
S 123 1,3-Dichloropropene, Total	1				0		50.8	
S 124 1,2-Dichloroethene, Total	1				0		50.5	

Injection Date: 26-May-2011 22:02:30
Client ID:
Lims Batch ID: 17745
Operator ID: NMD
Column Type: ZB-624

Limit Group: MV - 8260B ICAL
Instrument ID: HP5973N
Lims Sample ID: 3

Column Dia: 0.25 mm
Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
 SDG No.: _____
 Client Sample ID: DW-3R MS Lab Sample ID: 480-5072-4 MS
 Matrix: Water Lab File ID: P2852.D
 Analysis Method: 8260B Date Collected: 05/18/2011 14:10
 Sample wt/vol: 5(mL) Date Analyzed: 05/26/2011 19:12
 Soil Aliquot Vol: _____ Dilution Factor: 200
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 17618 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	16000		200	82
108-88-3	Toluene	7600		200	100
100-41-4	Ethylbenzene	8060		200	150
179601-23-1	m-Xylene & p-Xylene	13200		400	130
95-47-6	o-Xylene	6900		200	150
1330-20-7	Xylenes, Total	20100		400	130

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		66-137
2037-26-5	Toluene-d8 (Surr)	93		71-126
460-00-4	4-Bromofluorobenzene (Surr)	108		73-120

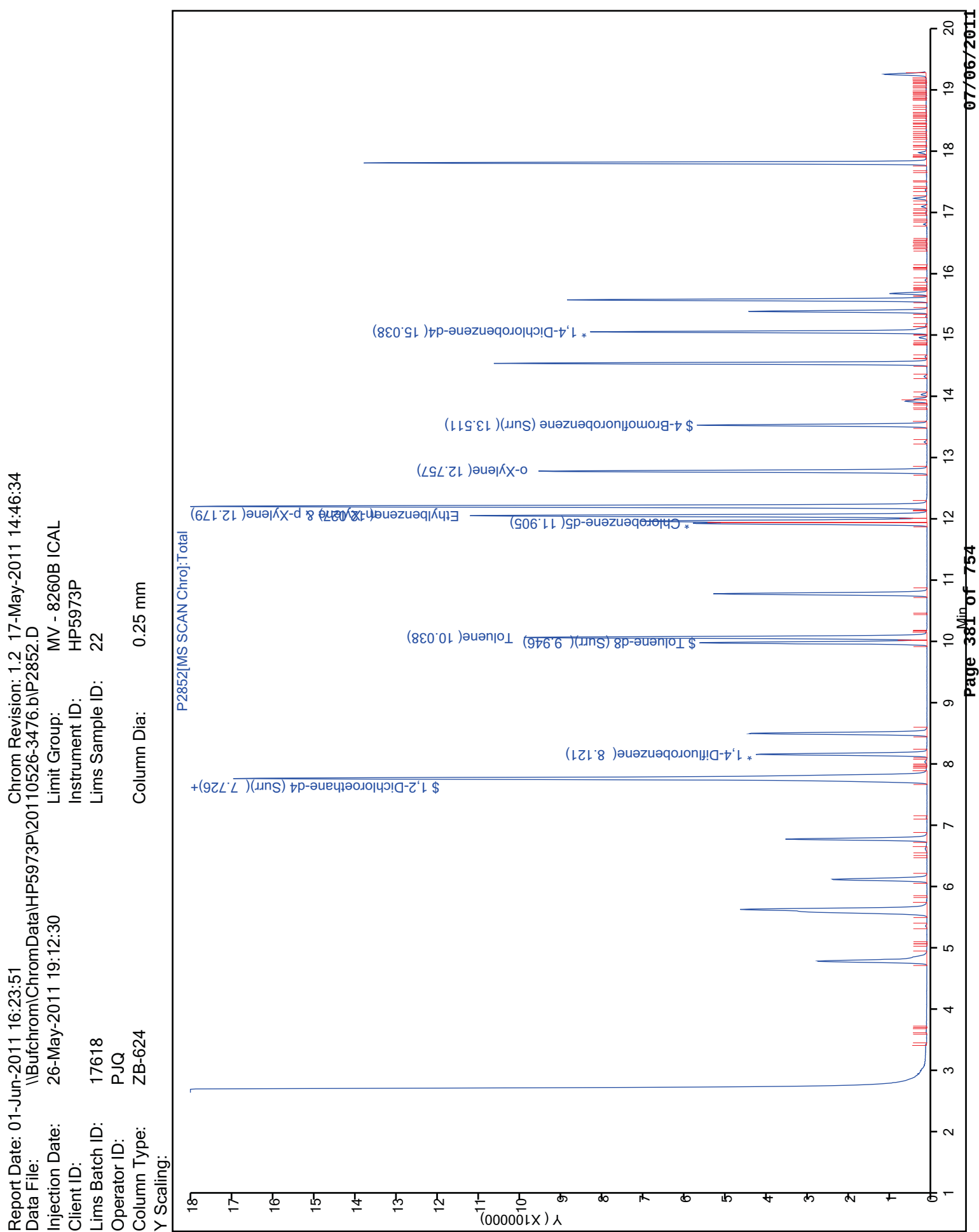
TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110526-3476.b\2852.D
 Lims ID: 480-5072-F-4 MS Client ID:
 Inject. Date: 26-May-2011 19:12:30 Dil. Factor: 200.0000
 Sample Type: MS
 Sample ID: 480-5072-F-4 MS
 Misc. Info.: 480-0003476-022 =480-0003476-022
 Operator: PJQ Instrument ID: HP5973P
 Vol. Injected: 1.0000 ALS Bottle#: 22
 Lims Batch ID: 17618 Lims Sample ID: 22
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973P\20110526-3476.b\8260.m
 Last Update: 26-May-2011 14:11:58 Calib Date: 17-May-2011 15:59:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973P\20110517-3207.b\2557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: cwiklinc

Date: 26-May-2011 20:14:56

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	8.121	8.121	0.0	93	449482	25.0	
* 2 Chlorobenzene-d5	82	11.899	11.899	0.0	54	203132	25.0	
* 3 1,4-Dichlorobenzene-d4	152	15.038	15.038	0.0	92	287867	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	7.683	7.683	0.0	59	85314	22.2	
\$ 5 Toluene-d8 (Surr)	98	9.946	9.946	0.0	92	473057	23.2	
\$ 6 4-Bromofluorobenzene (Surr)	174	13.511	13.511	0.0	96	233186	26.9	
57 Benzene	78	7.726	7.726	0.0	89	1878245	80.1	
76 Toluene	92	10.038	10.037	0.001	98	568926	38.0	
89 Ethylbenzene	91	12.027	12.027	0.0	98	1107687	40.3	
90 m-Xylene & p-Xylene	106	12.179	12.179	0.0	98	709125	66.0	
93 o-Xylene	106	12.757	12.757	0.0	97	352289	34.5	
S 125 Total BTEX	1				0		258.9	
S 126 Xylenes, Total	1				0		100.5	



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
 SDG No.: _____
 Client Sample ID: DW-3R MSD Lab Sample ID: 480-5072-4 MSD
 Matrix: Water Lab File ID: P2853.D
 Analysis Method: 8260B Date Collected: 05/18/2011 14:10
 Sample wt/vol: 5(mL) Date Analyzed: 05/26/2011 19:37
 Soil Aliquot Vol: _____ Dilution Factor: 200
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 17618 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	15300		200	82
108-88-3	Toluene	7220		200	100
100-41-4	Ethylbenzene	7700		200	150
179601-23-1	m-Xylene & p-Xylene	12600		400	130
95-47-6	o-Xylene	6660		200	150
1330-20-7	Xylenes, Total	19300		400	130

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	87		66-137
2037-26-5	Toluene-d8 (Surr)	93		71-126
460-00-4	4-Bromofluorobenzene (Surr)	107		73-120

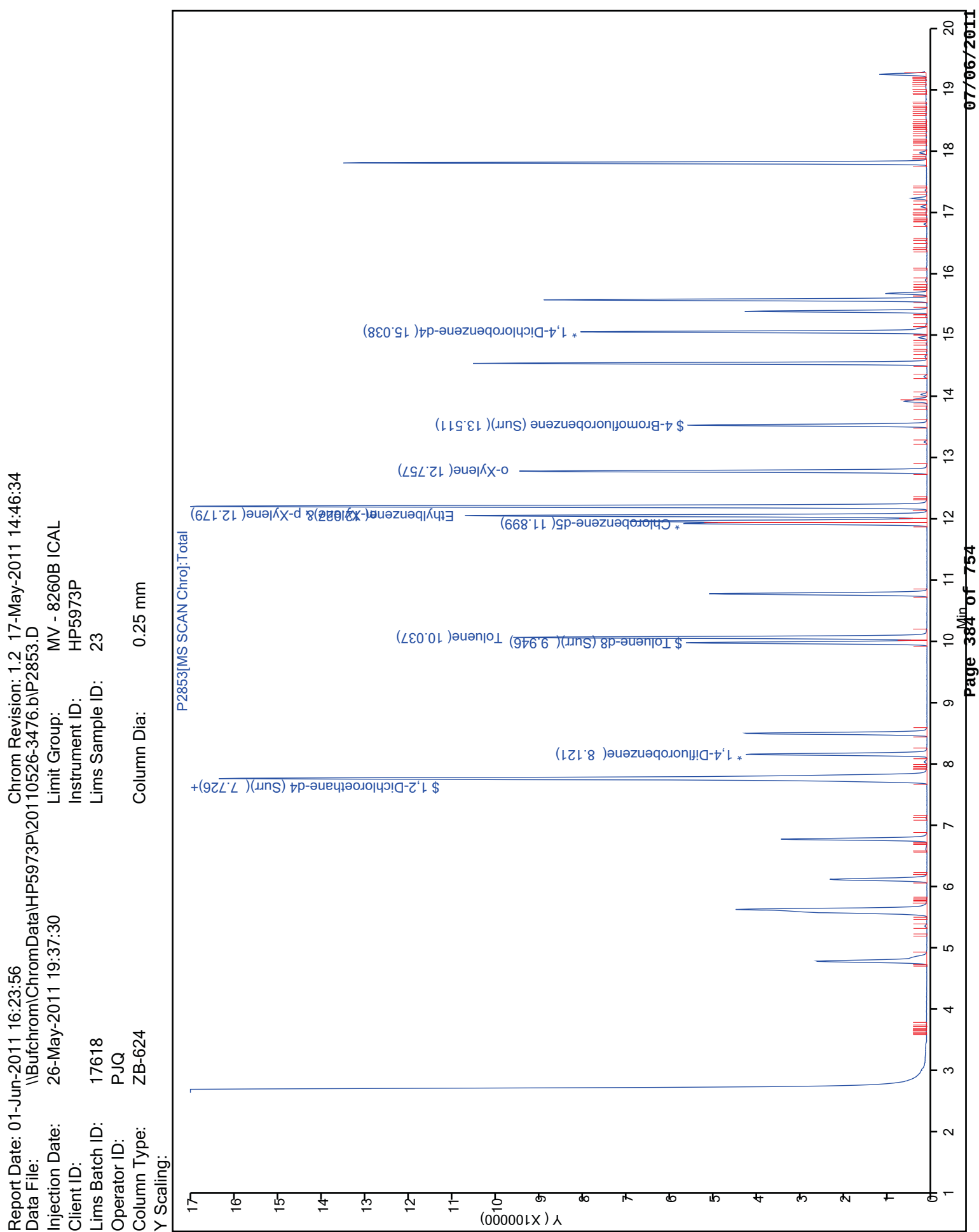
TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973P\20110526-3476.b\P2853.D
 Lims ID: 480-5072-F-4 MSD Client ID:
 Inject. Date: 26-May-2011 19:37:30 Dil. Factor: 200.0000
 Sample Type: MSD
 Sample ID: 480-5072-F-4 MSD
 Misc. Info.: 480-0003476-023 =480-0003476-023
 Operator: PJQ Instrument ID: HP5973P
 Vol. Injected: 1.0000 ALS Bottle#: 23
 Lims Batch ID: 17618 Lims Sample ID: 23
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973P\20110526-3476.b\P-8260.m
 Last Update: 26-May-2011 14:11:58 Calib Date: 17-May-2011 15:59:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973P\20110517-3207.b\P2557.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: cwiklinc

Date: 26-May-2011 20:15:07

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	8.127	8.121	0.006	44	468625	25.0	
* 2 Chlorobenzene-d5	82	11.899	11.899	0.0	54	210897	25.0	
* 3 1,4-Dichlorobenzene-d4	152	15.038	15.038	0.0	92	296012	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	7.683	7.683	0.0	59	86892	21.7	
\$ 5 Toluene-d8 (Surr)	98	9.946	9.946	0.0	92	491955	23.2	
\$ 6 4-Bromofluorobenzene (Surr)	174	13.511	13.511	0.0	95	241317	26.8	
57 Benzene	78	7.726	7.726	0.0	90	1871838	76.6	
76 Toluene	92	10.037	10.037	0.0	98	560761	36.1	
89 Ethylbenzene	91	12.027	12.027	0.0	98	1099415	38.5	
90 m-Xylene & p-Xylene	106	12.179	12.179	0.0	98	701429	62.9	
93 o-Xylene	106	12.757	12.757	0.0	97	353982	33.3	
S 125 Total BTEX	1				0		247.4	
S 126 Xylenes, Total	1				0		96.2	



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.: _____

Instrument ID: HP5973N Start Date: 05/18/2011 12:43Analysis Batch Number: 16584 End Date: 05/18/2011 17:23

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-16584/1		05/18/2011 12:43	1	N7565.D	ZB-624 (60) 0.25 (mm)
STD 480-16584/3 IC		05/18/2011 13:51	1	N7568.D	ZB-624 (60) 0.25 (mm)
STD 480-16584/4 IC		05/18/2011 14:14	1	N7569.D	ZB-624 (60) 0.25 (mm)
STD 480-16584/5 ICIS		05/18/2011 14:37	1	N7570.D	ZB-624 (60) 0.25 (mm)
STD 480-16584/6 IC		05/18/2011 15:00	1	N7571.D	ZB-624 (60) 0.25 (mm)
STD 480-16584/7 IC		05/18/2011 15:23	1	N7572.D	ZB-624 (60) 0.25 (mm)
STD 480-16584/10 IC		05/18/2011 16:42	1	N7574.D	ZB-624 (60) 0.25 (mm)
ICV 480-16584/8		05/18/2011 17:23	1		ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.: _____

Instrument ID: HP5973N Start Date: 05/25/2011 21:39Analysis Batch Number: 17553 End Date: 05/26/2011 01:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-17553/1		05/25/2011 21:39	1	N7885.D	ZB-624 (60) 0.25 (mm)
CCVIS 480-17553/2		05/25/2011 22:05	1	N7886.D	ZB-624 (60) 0.25 (mm)
LCS 480-17553/3		05/25/2011 22:28	1	N7887.D	ZB-624 (60) 0.25 (mm)
MB 480-17553/4		05/25/2011 22:51	1	N7888.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		05/25/2011 23:56	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 00:19	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 00:42	1		ZB-624 (60) 0.25 (mm)
480-5174-1	MW-8DR	05/26/2011 01:05	5	N7892.D	ZB-624 (60) 0.25 (mm)
480-5174-2	EQUIPMENT BLANK	05/26/2011 01:28	1	N7893.D	ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.: _____

Instrument ID: HP5973N Start Date: 05/26/2011 10:21Analysis Batch Number: 17630 End Date: 05/26/2011 20:18

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-17630/1		05/26/2011 10:21	1	N7900.D	ZB-624 (60) 0.25 (mm)
CCVIS 480-17630/2		05/26/2011 10:44	1	N7901.D	ZB-624 (60) 0.25 (mm)
LCS 480-17630/3		05/26/2011 11:18	1	N7902.D	ZB-624 (60) 0.25 (mm)
MB 480-17630/4		05/26/2011 11:41	1	N7903.D	ZB-624 (60) 0.25 (mm)
480-5174-3	TRIP BLANK	05/26/2011 12:37	1	N7905.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 13:00	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 13:23	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 13:46	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 14:10	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 14:33	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 14:56	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 15:19	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 15:41	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 16:05	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 16:28	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 16:51	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 17:14	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 17:37	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 18:00	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 18:23	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 18:46	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 19:08	5		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 19:31	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 19:54	5		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 20:18	5		ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.: _____

Instrument ID: HP5973N Start Date: 05/26/2011 21:16Analysis Batch Number: 17745 End Date: 05/27/2011 07:48

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-17745/1		05/26/2011 21:16	1	N7926.D	ZB-624 (60) 0.25 (mm)
CCVIS 480-17745/2		05/26/2011 21:39	1	N7927.D	ZB-624 (60) 0.25 (mm)
LCS 480-17745/3		05/26/2011 22:02	1	N7928.D	ZB-624 (60) 0.25 (mm)
MB 480-17745/4		05/26/2011 22:25	1	N7929.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 23:20	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 23:43	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/27/2011 00:06	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/27/2011 00:29	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/27/2011 00:52	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/27/2011 01:15	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/27/2011 01:38	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/27/2011 02:01	1		ZB-624 (60) 0.25 (mm)
480-5174-1 DL	MW-8DR DL	05/27/2011 02:24	400	N7938.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		05/27/2011 02:47	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/27/2011 03:10	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/27/2011 03:33	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/27/2011 03:56	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/27/2011 04:18	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/27/2011 04:42	10		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/27/2011 05:05	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/27/2011 05:28	40		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/27/2011 05:52	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/27/2011 06:15	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/27/2011 06:38	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/27/2011 07:01	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/27/2011 07:24	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/27/2011 07:48	1		ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.: _____

Instrument ID: HP5973P Start Date: 05/17/2011 12:58Analysis Batch Number: 16454 End Date: 05/17/2011 16:49

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-16454/1		05/17/2011 12:58	1	P2550.D	ZB-624 (60) 0.25 (mm)
IC 480-16454/3		05/17/2011 13:55	1	P2552.D	ZB-624 (60) 0.25 (mm)
IC 480-16454/4		05/17/2011 14:20	1	P2553.D	ZB-624 (60) 0.25 (mm)
IC 480-16454/5		05/17/2011 14:44	1	P2554.D	ZB-624 (60) 0.25 (mm)
ICIS 480-16454/6		05/17/2011 15:09	1	P2555.D	ZB-624 (60) 0.25 (mm)
IC 480-16454/7		05/17/2011 15:34	1	P2556.D	ZB-624 (60) 0.25 (mm)
IC 480-16454/8		05/17/2011 15:59	1	P2557.D	ZB-624 (60) 0.25 (mm)
ICV 480-16454/10		05/17/2011 16:49	1		ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.: _____

Instrument ID: HP5973P Start Date: 05/25/2011 11:16Analysis Batch Number: 17444 End Date: 05/25/2011 21:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-17444/1		05/25/2011 11:16	1	P2783.D	ZB-624 (60) 0.25 (mm)
CCVIS 480-17444/2		05/25/2011 11:45	1	P2784.D	ZB-624 (60) 0.25 (mm)
LCS 480-17444/3		05/25/2011 12:24	1	P2785.D	ZB-624 (60) 0.25 (mm)
MB 480-17444/4		05/25/2011 12:49	1	P2786.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		05/25/2011 13:33	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/25/2011 13:58	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/25/2011 14:23	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/25/2011 14:48	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/25/2011 15:13	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/25/2011 15:38	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/25/2011 16:02	1		ZB-624 (60) 0.25 (mm)
480-5072-1	DW-1R	05/25/2011 16:27	80	P2794.D	ZB-624 (60) 0.25 (mm)
480-5072-2	MW-3DR	05/25/2011 16:52	8	P2795.D	ZB-624 (60) 0.25 (mm)
480-5072-3	MW-3DR DUP	05/25/2011 17:17	10	P2796.D	ZB-624 (60) 0.25 (mm)
480-5072-4	DW-3R	05/25/2011 17:42	25	P2797.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		05/25/2011 18:07	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/25/2011 18:32	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/25/2011 18:57	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/25/2011 19:22	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/25/2011 19:47	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/25/2011 20:11	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/25/2011 20:36	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/25/2011 21:01	1		ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.: _____

Instrument ID: HP5973P Start Date: 05/25/2011 21:25Analysis Batch Number: 17555 End Date: 05/26/2011 07:18

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-17555/1		05/25/2011 21:25	1	P2806.D	ZB-624 (60) 0.25 (mm)
CCVIS 480-17555/2		05/25/2011 21:51	1	P2807.D	ZB-624 (60) 0.25 (mm)
LCS 480-17555/3		05/25/2011 22:33	1	P2808.D	ZB-624 (60) 0.25 (mm)
MB 480-17555/4		05/25/2011 22:58	1	P2809.D	ZB-624 (60) 0.25 (mm)
480-5072-1 DL	DW-1R DL	05/25/2011 23:50	500	P2810.D	ZB-624 (60) 0.25 (mm)
480-5072-2 DL	MW-3DR DL	05/26/2011 00:15	40	P2811.D	ZB-624 (60) 0.25 (mm)
480-5072-3 DL	MW-3DR DUP DL	05/26/2011 00:40	40	P2812.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 01:05	100		ZB-624 (60) 0.25 (mm)
480-5072-5	TRIP BLANK	05/26/2011 01:30	1	P2814.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 01:55	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 02:20	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 02:44	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 03:09	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 03:34	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 03:59	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 04:24	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 04:49	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 05:14	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 05:39	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 06:04	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 06:28	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 06:53	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 07:18	1		ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.: _____

Instrument ID: HP5973P Start Date: 05/26/2011 09:53Analysis Batch Number: 17618 End Date: 05/26/2011 19:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-17618/1		05/26/2011 09:53	1	P2831.D	ZB-624 (60) 0.25 (mm)
CCVIS 480-17618/2		05/26/2011 10:19	1	P2832.D	ZB-624 (60) 0.25 (mm)
LCS 480-17618/3		05/26/2011 11:04	1	P2833.D	ZB-624 (60) 0.25 (mm)
MB 480-17618/4		05/26/2011 11:29	1	P2834.D	ZB-624 (60) 0.25 (mm)
480-5072-4 DL	DW-3R DL	05/26/2011 12:09	200	P2835.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 12:34	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 12:59	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 13:24	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 13:49	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 14:13	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 14:38	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 15:03	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 15:28	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 15:53	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 16:18	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 16:43	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 17:08	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 17:33	4		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 17:58	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 18:22	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		05/26/2011 18:47	1		ZB-624 (60) 0.25 (mm)
480-5072-4 MS	DW-3R MS	05/26/2011 19:12	200	P2852.D	ZB-624 (60) 0.25 (mm)
480-5072-4 MSD	DW-3R MSD	05/26/2011 19:37	200	P2853.D	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.: 480-5072-1
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 #
DW-1R	480-5072-1	94	98	104
DW-1R DL	480-5072-1 DL	64	81	92
MW-3DR	480-5072-2	79	92	98
MW-3DR DL	480-5072-2 DL	63	78	86
MW-3DR DUP	480-5072-3	81	92	98
MW-3DR DUP DL	480-5072-3 DL	64	77	85
DW-3R	480-5072-4	83	90	95
DW-3R DL	480-5072-4 DL	68	74	77
MW-8DR	480-5174-1	84	95	96
MW-8DR DL	480-5174-1 DL	64	92	86
EQUIPMENT BLANK	480-5174-2	76	84	116
	MB 480-17193/1-A	77	82	103
	MB 480-17443/1-A	79	86	121
	LCS 480-17193/2-A	79	87	111
	LCS 480-17443/2-A	92	95	121

	<u>QC LIMITS</u>
NBZ = Nitrobenzene-d5	46-120
FBP = 2-Fluorobiphenyl	48-120
TPH = p-Terphenyl-d14	24-136

Column to be used to flag recovery values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: W0448.D
Lab ID: LCS 480-17193/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acenaphthene	100	86.5	87	60-120	
Fluorene	100	93.7	94	66-129	
Pyrene	100	107	107	58-136	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: V0653.D
 Lab ID: LCS 480-17443/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acenaphthene	100	87.4	87	60-120	
Acenaphthylene	100	90.0	90	63-120	
Anthracene	100	111	111	69-131	
Benz(a)anthracene	100	111	111	73-138	
Benzo(a)pyrene	100	105	105	74-126	
Benzo(b)fluoranthene	100	105	105	75-133	
Benzo(g,h,i)perylene	100	111	111	66-152	
Benzo(k)fluoranthene	100	105	105	75-133	
Chrysene	100	111	111	69-140	
Dibenz(a,h)anthracene	100	111	111	67-144	
Fluoranthene	100	114	114	67-133	
Fluorene	100	99.7	100	66-129	
Indeno(1,2,3-c,d)pyrene	100	111	111	69-146	
Naphthalene	100	81.3	81	48-120	
Phenanthrene	100	109	109	67-130	
Pyrene	100	110	110	58-136	
2-Methylnaphthalene	100	78.0	78	48-120	

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.: 480-5072-1
SDG No.: _____
Lab File ID: W0447.D Lab Sample ID: MB 480-17193/1-A
Matrix: Water Date Extracted: 05/23/2011 17:26
Instrument ID: HP5973W Date Analyzed: 05/27/2011 11:56
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-17193/2-A	W0448.D	05/27/2011 12:19
DW-1R	480-5072-1	W0451.D	05/27/2011 13:30
MW-3DR	480-5072-2	W0452.D	05/27/2011 13:53
MW-3DR DUP	480-5072-3	W0453.D	05/27/2011 15:53
DW-3R	480-5072-4	W0454.D	05/27/2011 16:16
DW-1R DL	480-5072-1 DL	W0474.D	05/31/2011 08:57
MW-3DR DL	480-5072-2 DL	W0475.D	05/31/2011 09:21
MW-3DR DUP DL	480-5072-3 DL	W0476.D	05/31/2011 09:44
DW-3R DL	480-5072-4 DL	W0477.D	05/31/2011 10:07

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
SDG No.: _____
Lab File ID: V0652.D Lab Sample ID: MB 480-17443/1-A
Matrix: Water Date Extracted: 05/25/2011 08:46
Instrument ID: HP5973V Date Analyzed: 05/26/2011 11:02
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-17443/2-A	V0653.D	05/26/2011 11:26
MW-8DR	480-5174-1	V0656.D	05/26/2011 12:37
EQUIPMENT BLANK	480-5174-2	V0657.D	05/26/2011 13:01
MW-8DR DL	480-5174-1 DL	V0696.D	05/27/2011 09:20

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

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
SDG No.: _____
Lab File ID: V0588.D DFTPP Injection Date: 05/25/2011
Instrument ID: HP5973V DFTPP Injection Time: 08:22
Analysis Batch No.: 17360

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	33.5
68	Less than 2.0 % of mass 69	0.2 (0.5)1
69	Mass 69 relative abundance	42.7
70	Less than 2.0 % of mass 69	0.0 (0.0)1
127	40.0 - 60.0 % of mass 198	51.6
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	6.7
275	10.0 - 30.0 % of mass 198	27.8
365	Greater than 1.0 % of mass 198	4.0
441	Present but less than mass 443	11.0
442	Greater than 40.0 % of mass 198	73.8
443	17.0 - 23.0 % of mass 442	14.6 (19.8)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
	IC 480-17360/2	V0592.D	05/25/2011	10:02
	IC 480-17360/3	V0593.D	05/25/2011	10:26
	IC 480-17360/4	V0594.D	05/25/2011	10:50
	ICIS 480-17360/5	V0595.D	05/25/2011	11:14
	IC 480-17360/6	V0596.D	05/25/2011	11:37
	IC 480-17360/7	V0597.D	05/25/2011	12:01

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

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
SDG No.: _____
Lab File ID: V0647.D DFTPP Injection Date: 05/26/2011
Instrument ID: HP5973V DFTPP Injection Time: 08:40
Analysis Batch No.: 17611

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	30.2
68	Less than 2.0 % of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	38.6
70	Less than 2.0 % of mass 69	0.0 (0.0) 1
127	40.0 - 60.0 % of mass 198	48.2
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	6.7
275	10.0 - 30.0 % of mass 198	28.3
365	Greater than 1.0 % of mass 198	4.0
441	Present but less than mass 443	12.5
442	Greater than 40.0 % of mass 198	81.2
443	17.0 - 23.0 % of mass 442	16.3 (20.0) 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 480-17611/2	V0648.D	05/26/2011	09:27
	MB 480-17443/1-A	V0652.D	05/26/2011	11:02
	LCS 480-17443/2-A	V0653.D	05/26/2011	11:26
MW-8DR	480-5174-1	V0656.D	05/26/2011	12:37
EQUIPMENT BLANK	480-5174-2	V0657.D	05/26/2011	13:01

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

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
SDG No.: _____
Lab File ID: V0692.D DFTPP Injection Date: 05/27/2011
Instrument ID: HP5973V DFTPP Injection Time: 07:53
Analysis Batch No.: 17775

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	31.1
68	Less than 2.0 % of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	40.7
70	Less than 2.0 % of mass 69	0.0 (0.0) 1
127	40.0 - 60.0 % of mass 198	49.1
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	6.9
275	10.0 - 30.0 % of mass 198	28.9
365	Greater than 1.0 % of mass 198	3.7
441	Present but less than mass 443	12.4
442	Greater than 40.0 % of mass 198	78.5
443	17.0 - 23.0 % of mass 442	15.4 (19.7) 2

1-Value is % mass 69

2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-17775/2	V0693.D	05/27/2011	08:09
MW-8DR DL	480-5174-1 DL	V0696.D	05/27/2011	09:20

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

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
SDG No.: _____
Lab File ID: W0260.D DFTPP Injection Date: 05/23/2011
Instrument ID: HP5973W DFTPP Injection Time: 09:31
Analysis Batch No.: 17115

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	46.2
68	Less than 2.0 % of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	35.1
70	Less than 2.0 % of mass 69	0.2 (0.5)1
127	40.0 - 60.0 % of mass 198	46.7
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	6.9
275	10.0 - 30.0 % of mass 198	21.8
365	Greater than 1.0 % of mass 198	2.6
441	Present but less than mass 443	10.9
442	Greater than 40.0 % of mass 198	68.5
443	17.0 - 23.0 % of mass 442	13.0 (18.9)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 480-17115/2	W0263.D	05/23/2011	11:37
	IC 480-17115/3	W0265.D	05/23/2011	12:24
	IC 480-17115/4	W0266.D	05/23/2011	12:48
	ICIS 480-17115/5	W0267.D	05/23/2011	13:11
	IC 480-17115/6	W0268.D	05/23/2011	13:35
	IC 480-17115/7	W0269.D	05/23/2011	13:59

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

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
SDG No.: _____
Lab File ID: W0436.D DFTPP Injection Date: 05/27/2011
Instrument ID: HP5973W DFTPP Injection Time: 07:45
Analysis Batch No.: 17774

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	47.9
68	Less than 2.0 % of mass 69	0.1 (0.4) 1
69	Mass 69 relative abundance	35.7
70	Less than 2.0 % of mass 69	0.0 (0.0) 1
127	40.0 - 60.0 % of mass 198	46.0
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	6.7
275	10.0 - 30.0 % of mass 198	18.8
365	Greater than 1.0 % of mass 198	2.0
441	Present but less than mass 443	8.5
442	Greater than 40.0 % of mass 198	58.7
443	17.0 - 23.0 % of mass 442	11.2 (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 480-17774/2	W0437.D	05/27/2011	08:00
	MB 480-17193/1-A	W0447.D	05/27/2011	11:56
	LCS 480-17193/2-A	W0448.D	05/27/2011	12:19
DW-1R	480-5072-1	W0451.D	05/27/2011	13:30
MW-3DR	480-5072-2	W0452.D	05/27/2011	13:53
MW-3DR DUP	480-5072-3	W0453.D	05/27/2011	15:53
DW-3R	480-5072-4	W0454.D	05/27/2011	16:16

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

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
SDG No.: _____
Lab File ID: W0470.D DFTPP Injection Date: 05/31/2011
Instrument ID: HP5973W DFTPP Injection Time: 07:31
Analysis Batch No.: 18006

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	47.7
68	Less than 2.0 % of mass 69	0.4 (1.0) 1
69	Mass 69 relative abundance	36.7
70	Less than 2.0 % of mass 69	0.1 (0.4) 1
127	40.0 - 60.0 % of mass 198	45.0
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	6.4
275	10.0 - 30.0 % of mass 198	19.8
365	Greater than 1.0 % of mass 198	2.6
441	Present but less than mass 443	10.9
442	Greater than 40.0 % of mass 198	64.4
443	17.0 - 23.0 % of mass 442	13.2 (20.5) 2

1-Value is % mass 69

2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-18006/2	W0471.D	05/31/2011	07:47
	CCV 480-18006/3	W0472.D	05/31/2011	08:10
	CCV 480-18006/4	W0473.D	05/31/2011	08:34
DW-1R DL	480-5072-1 DL	W0474.D	05/31/2011	08:57
MW-3DR DL	480-5072-2 DL	W0475.D	05/31/2011	09:21
MW-3DR DUP DL	480-5072-3 DL	W0476.D	05/31/2011	09:44
DW-3R DL	480-5072-4 DL	W0477.D	05/31/2011	10:07

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

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
SDG No.: _____
Sample No.: ICIS 480-17360/5 Date Analyzed: 05/25/2011 11:14
Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm)
Lab File ID (Standard): V0595.D Heated Purge: (Y/N) N
Calibration ID: 2269

	DCB		NPT		ANT		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	77326	5.91	303944	7.60	183940	9.87	
UPPER LIMIT	154652	6.41	607888	8.10	367880	10.37	
LOWER LIMIT	38663	5.41	151972	7.10	91970	9.37	
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-17611/2		74761	5.89	292983	7.59	178320	9.86
CCVIS 480-17775/2		83043	5.87	318469	7.58	197510	9.85

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.50 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.: 480-5072-1
SDG No.: _____
Sample No.: ICIS 480-17360/5 Date Analyzed: 05/25/2011 11:14
Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm)
Lab File ID (Standard): V0595.D Heated Purge: (Y/N) N
Calibration ID: 2269

	PHN		CRY		PRY		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	313790	11.58	332044	14.06	344955	15.38	
UPPER LIMIT	627580	12.08	664088	14.56	689910	15.88	
LOWER LIMIT	156895	11.08	166022	13.56	172478	14.88	
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-17611/2		302845	11.57	331087	14.05	338366	15.37
CCVIS 480-17775/2		337838	11.55	378140	14.04	385324	15.34

PHN = Phenanthrene-d10

CRY = Chrysene-d12

PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.50 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.: 480-5072-1
SDG No.: _____
Sample No.: CCVIS 480-17611/2 Date Analyzed: 05/26/2011 09:27
Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm)
Lab File ID (Standard): V0648.D Heated Purge: (Y/N) N
Calibration ID: 2275

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		74761	5.89	292983	7.59	178320	9.86
UPPER LIMIT		149522	6.39	585966	8.09	356640	10.36
LOWER LIMIT		37381	5.39	146492	7.09	89160	9.36
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 480-17443/1-A		69220	5.89	279920	7.59	169184	9.86
LCS 480-17443/2-A		69056	5.89	273461	7.59	171762	9.86
480-5174-1	MW-8DR	74075	5.89	312129	7.62	185576	9.86
480-5174-2	EQUIPMENT BLANK	73961	5.89	306225	7.59	183229	9.86

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.50 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.: 480-5072-1
SDG No.: _____
Sample No.: CCVIS 480-17611/2 Date Analyzed: 05/26/2011 09:27
Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm)
Lab File ID (Standard): V0648.D Heated Purge: (Y/N) N
Calibration ID: 2275

	PHN		CRY		PRY		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	302845	11.57	331087	14.05	338366	15.37	
UPPER LIMIT	605690	12.07	662174	14.55	676732	15.87	
LOWER LIMIT	151423	11.07	165544	13.55	169183	14.87	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 480-17443/1-A		288337	11.56	309881	14.05	329879	15.37
LCS 480-17443/2-A		294994	11.57	325059	14.05	349681	15.37
480-5174-1	MW-8DR	306326	11.56	353338	14.05	385484	15.37
480-5174-2	EQUIPMENT BLANK	308612	11.56	331402	14.05	355518	15.37

PHN = Phenanthrene-d10

CRY = Chrysene-d12

PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.50 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.: 480-5072-1
SDG No.: _____
Sample No.: CCVIS 480-17775/2 Date Analyzed: 05/27/2011 08:09
Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm)
Lab File ID (Standard): V0693.D Heated Purge: (Y/N) N
Calibration ID: 2275

	DCB		NPT		ANT	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	83043	5.87	318469	7.58	197510	9.85
UPPER LIMIT	166086	6.37	636938	8.08	395020	10.35
LOWER LIMIT	41522	5.37	159235	7.08	98755	9.35
LAB SAMPLE ID	CLIENT SAMPLE ID					
480-5174-1 DL	MW-8DR DL		72029	5.87	284805	7.58
					168324	9.85

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.50 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.: 480-5072-1
SDG No.: _____
Sample No.: CCVIS 480-17775/2 Date Analyzed: 05/27/2011 08:09
Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm)
Lab File ID (Standard): V0693.D Heated Purge: (Y/N) N
Calibration ID: 2275

	PHN		CRY		PRY	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	337838	11.55	378140	14.04	385324	15.34
UPPER LIMIT	675676	12.05	756280	14.54	770648	15.84
LOWER LIMIT	168919	11.05	189070	13.54	192662	14.84
LAB SAMPLE ID	CLIENT SAMPLE ID					
480-5174-1 DL	MW-8DR DL		279983	11.55	297111	14.03
					302873	15.34

PHN = Phenanthrene-d10

CRY = Chrysene-d12

PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.50 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.: 480-5072-1
SDG No.: _____
Sample No.: ICIS 480-17115/5 Date Analyzed: 05/23/2011 13:11
Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm)
Lab File ID (Standard): W0267.D Heated Purge: (Y/N) N
Calibration ID: 2246

	DCB		NPT		ANT		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	127737	5.66	514045	7.40	306577	9.67	
UPPER LIMIT	255474	6.16	1028090	7.90	613154	10.17	
LOWER LIMIT	63869	5.16	257023	6.90	153289	9.17	
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-17774/2		156091	5.40	634225	7.14	367668	9.42
CCVIS 480-18006/2		156836	5.32	624518	7.07	367408	9.34

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.50 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.: 480-5072-1
SDG No.: _____
Sample No.: ICIS 480-17115/5 Date Analyzed: 05/23/2011 13:11
Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm)
Lab File ID (Standard): W0267.D Heated Purge: (Y/N) N
Calibration ID: 2246

	PHN		CRY		PRY		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	527444	11.38	546744	13.85	550337	15.09	
UPPER LIMIT	1054888	11.88	1093488	14.35	1100674	15.59	
LOWER LIMIT	263722	10.88	273372	13.35	275169	14.59	
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-17774/2		621524	11.16	586492	13.63	599670	14.82
CCVIS 480-18006/2		607674	11.09	604714	13.57	596552	14.74

PHN = Phenanthrene-d10

CRY = Chrysene-d12

PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.50 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.: 480-5072-1
 SDG No.: _____
 Sample No.: CCVIS 480-17774/2 Date Analyzed: 05/27/2011 08:00
 Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): W0437.D Heated Purge: (Y/N) N
 Calibration ID: 2256

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		156091	5.40	634225	7.14	367668	9.42
UPPER LIMIT		312182	5.90	1268450	7.64	735336	9.92
LOWER LIMIT		78046	4.90	317113	6.64	183834	8.92
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 480-17193/1-A		141203	5.39	578051	7.14	334133	9.41
LCS 480-17193/2-A		139416	5.40	571808	7.14	327940	9.41
480-5072-1	DW-1R	130645	5.40	489974	7.18	293997	9.42
480-5072-2	MW-3DR	125546	5.40	517339	7.15	290453	9.41
480-5072-3	MW-3DR DUP	133794	5.39	517661	7.15	289589	9.42
480-5072-4	DW-3R	135412	5.40	542606	7.15	309035	9.41

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.50 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.: 480-5072-1
 SDG No.: _____
 Sample No.: CCVIS 480-17774/2 Date Analyzed: 05/27/2011 08:00
 Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): W0437.D Heated Purge: (Y/N) N
 Calibration ID: 2256

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		621524	11.16	586492	13.63	599670	14.82
UPPER LIMIT		1243048	11.66	1172984	14.13	1199340	15.32
LOWER LIMIT		310762	10.66	293246	13.13	299835	14.32
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 480-17193/1-A		570637	11.16	568614	13.63	586273	14.82
LCS 480-17193/2-A		560705	11.16	539121	13.63	559924	14.82
480-5072-1	DW-1R	520421	11.16	539445	13.63	544965	14.82
480-5072-2	MW-3DR	502730	11.16	529864	13.63	541559	14.82
480-5072-3	MW-3DR DUP	505056	11.16	508530	13.63	521719	14.82
480-5072-4	DW-3R	518969	11.16	533416	13.63	555932	14.82

PHN = Phenanthrene-d10

CRY = Chrysene-d12

PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.50 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.: 480-5072-1
 SDG No.: _____
 Sample No.: CCVIS 480-18006/2 Date Analyzed: 05/31/2011 07:47
 Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): W0471.D Heated Purge: (Y/N) N
 Calibration ID: 2256

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		156836	5.32	624518	7.07	367408	9.34
UPPER LIMIT		313672	5.82	1249036	7.57	734816	9.84
LOWER LIMIT		78418	4.82	312259	6.57	183704	8.84
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-18006/3		144085	5.32	579233	7.07	332183	9.34
CCV 480-18006/4		143516	5.32	570111	7.07	311731	9.34
480-5072-1 DL	DW-1R DL	151067	5.32	610104	7.07	359042	9.34
480-5072-2 DL	MW-3DR DL	148042	5.32	611325	7.07	352886	9.34
480-5072-3 DL	MW-3DR DUP DL	147001	5.32	602285	7.07	345167	9.34
480-5072-4 DL	DW-3R DL	148007	5.32	588847	7.07	336059	9.34

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.50 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.: 480-5072-1
 SDG No.: _____
 Sample No.: CCVIS 480-18006/2 Date Analyzed: 05/31/2011 07:47
 Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): W0471.D Heated Purge: (Y/N) N
 Calibration ID: 2256

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		607674	11.09	604714	13.57	596552	14.74
UPPER LIMIT		1215348	11.59	1209428	14.07	1193104	15.24
LOWER LIMIT		303837	10.59	302357	13.07	298276	14.24
LAB SAMPLE ID		CLIENT SAMPLE ID					
CCV 480-18006/3		578983	11.09	591478	13.57	594955	14.74
CCV 480-18006/4		538529	11.09	550853	13.56	554849	14.74
480-5072-1 DL	DW-1R DL	595244	11.09	622196	13.56	644893	14.74
480-5072-2 DL	MW-3DR DL	602776	11.09	611021	13.56	633833	14.74
480-5072-3 DL	MW-3DR DUP DL	584139	11.09	586418	13.57	611697	14.74
480-5072-4 DL	DW-3R DL	586941	11.09	591723	13.57	608498	14.74

PHN = Phenanthrene-d10

CRY = Chrysene-d12

PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.50 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.: 480-5072-1

SDG No.: _____

Client Sample ID: DW-1R Lab Sample ID: 480-5072-1

Matrix: Water Lab File ID: W0451.D

Analysis Method: 8270C Date Collected: 05/17/2011 14:10

Extract. Method: 3510C Date Extracted: 05/23/2011 17:26

Sample wt/vol: 1040 (mL) Date Analyzed: 05/27/2011 13:30

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.: 17774 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	120		4.8	0.39
208-96-8	Acenaphthylene	11		4.8	0.37
120-12-7	Anthracene	7.4		4.8	0.27
56-55-3	Benz (a) anthracene	ND		4.8	0.35
50-32-8	Benzo (a) pyrene	ND		4.8	0.45
205-99-2	Benzo (b) fluoranthene	ND		4.8	0.33
191-24-2	Benzo (g, h, i) perylene	ND		4.8	0.34
207-08-9	Benzo (k) fluoranthene	ND		4.8	0.70
218-01-9	Chrysene	ND		4.8	0.32
53-70-3	Dibenz (a, h) anthracene	ND		4.8	0.40
206-44-0	Fluoranthene	2.5	J	4.8	0.38
86-73-7	Fluorene	38		4.8	0.35
193-39-5	Indeno (1, 2, 3-c, d) pyrene	ND		4.8	0.45
91-20-3	Naphthalene	1800	E	4.8	0.73
85-01-8	Phenanthrene	42		4.8	0.42
129-00-0	Pyrene	2.9	J	4.8	0.33
91-57-6	2-Methylnaphthalene	500	E	4.8	0.58

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	94		46-120
321-60-8	2-Fluorobiphenyl	98		48-120
1718-51-0	p-Terphenyl-d14	104		24-136

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20110527-3501.b\W0451.D
 Lims ID: 480-5072-A-1-A Client ID: DW-1R
 Inject. Date: 27-May-2011 13:30:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-0003501-016
 Misc. Info.: 480-5072-A-1-A =480-5072-A-1-A
 Operator: MKP Instrument ID: HP5973W
 Vol. Injected: 1.0000 ALS Bottle#: 13
 Lims Batch ID: 17774 Lims Sample ID: 16
 Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973W\20110527-3501.b\W-8270.m
 Last Update: 31-May-2011 11:17:45 Calib Date: 23-May-2011 17:08:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973W\20110523-3373.b\W0277.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: pagem

Date: 31-May-2011 11:05:41

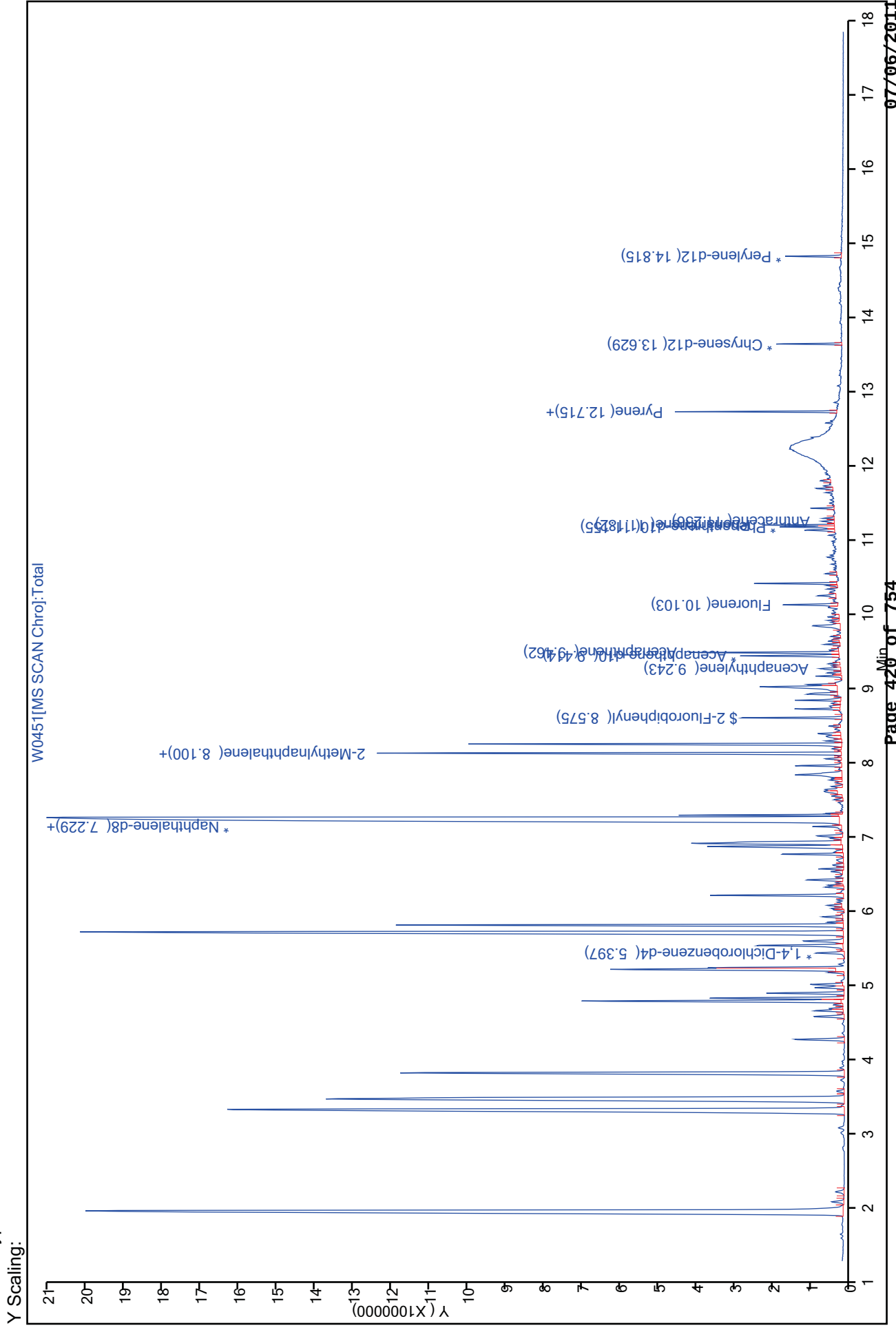
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.397	5.397	0.0	94	130645	40.0	
* 2 Naphthalene-d8	136	7.175	7.144	0.031	45	489974	40.0	
* 3 Acenaphthene-d10	164	9.419	9.414	0.005	97	293997	40.0	
* 4 Phenanthrene-d10	188	11.155	11.156	-0.001	95	520421	40.0	
* 5 Chrysene-d12	240	13.629	13.629	0.0	98	539445	40.0	
* 6 Perylene-d12	264	14.815	14.815	0.0	99	544965	40.0	
\$ 9 Nitrobenzene-d5	82	6.176	6.171	0.005	90	456938	94.2	
\$ 10 2-Fluorobiphenyl	172	8.580	8.575	0.005	99	859701	98.0	
\$ 12 p-Terphenyl-d14	244	12.715	12.715	-0.001	97	1165653	103.6	
107 Naphthalene	128	7.234	7.170	0.064	94	22932324	1862.5	E
137 Acenaphthylene	152	9.232	9.232	0.0	90	130490	11.1	
141 Acenaphthene	153	9.462	9.457	0.005	92	1037680	129.0	
151 Fluorene	166	10.103	10.103	0.0	80	359057	40.0	
177 Phenanthrene	178	11.182	11.182	0.0	96	641735	44.0	
180 Anthracene	178	11.236	11.236	0.0	87	111893	7.66	
191 Fluoranthene	202	12.368	12.358	0.010	93	43406	2.62	
193 Pyrene	202	12.566	12.566	0.0	96	53077	3.06	
205 Benzo[a]anthracene	228		13.624					
207 Chrysene	228		13.656					
209 Benzo[b]fluoranthene	252		14.500					
211 Benzo[k]fluoranthene	252		14.521					
213 Benzo[a]pyrene	252		14.772					
215 Indeno[1,2,3-cd]pyrene	276		15.814					
216 Dibenz(a,h)anthracene	278		15.819					
217 Benzo[g,h,i]perylene	276		16.097					
121 2-Methylnaphthalene	142	8.100	8.084	0.011	81	4112779	523.7	E

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Report Date: 06-Jul-2011 10:04:41
Data File: \\Bufchrom\ChromData\HP5973W20110527-3501.b\W0451.D
Injection Date: 27-May-2011 13:30:30
Client ID: DW-1R
Lims Batch ID: 17774
Operator ID: MKP
Column Type: RXI-5Sil MS
Chrom Revision: 1.2 30-Jun-2011 15:02:28
Limit Group: MB - 8270C ICAL
Instrument ID: HP5973W
Lims Sample ID: 16
Injection Vol: 1.00 ul
Column Dia: 0.25 mm



Data File: \\Bufchrom\ChromData\HP5973W\20110527-3501.b\W0451.D

Injection Date: 27-May-2011 13:30:30

Limit Group: MB - 8270C ICAL

Client ID: DW-1R

Instrument ID: HP5973W

Lims Batch ID: 17774

Lims Sample ID: 16

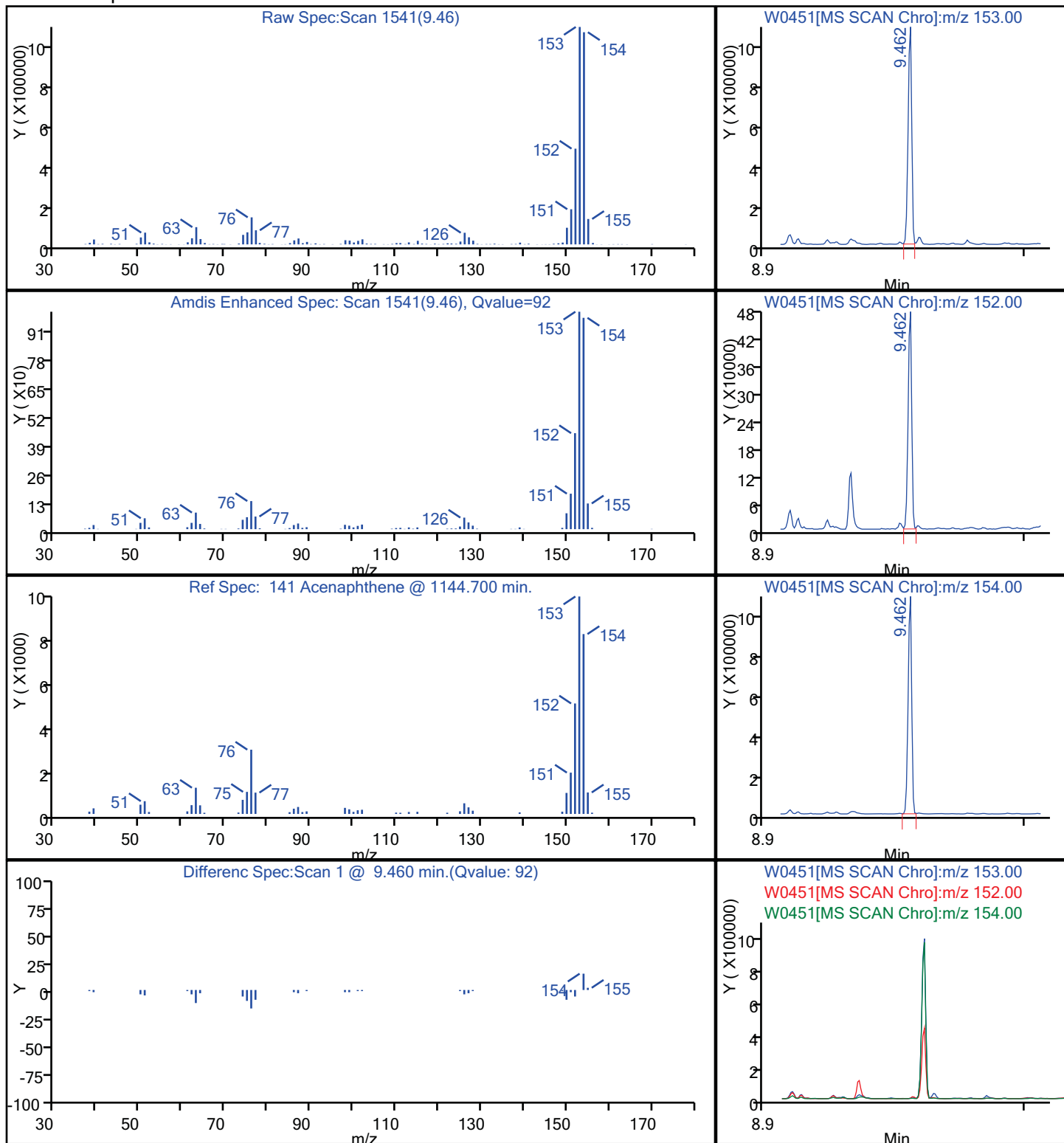
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

141 Acenaphthene



Data File: \\Bufchrom\ChromData\HP5973W\20110527-3501.b\W0451.D

Injection Date: 27-May-2011 13:30:30

Limit Group: MB - 8270C ICAL

Client ID: DW-1R

Instrument ID: HP5973W

Lims Batch ID: 17774

Lims Sample ID: 16

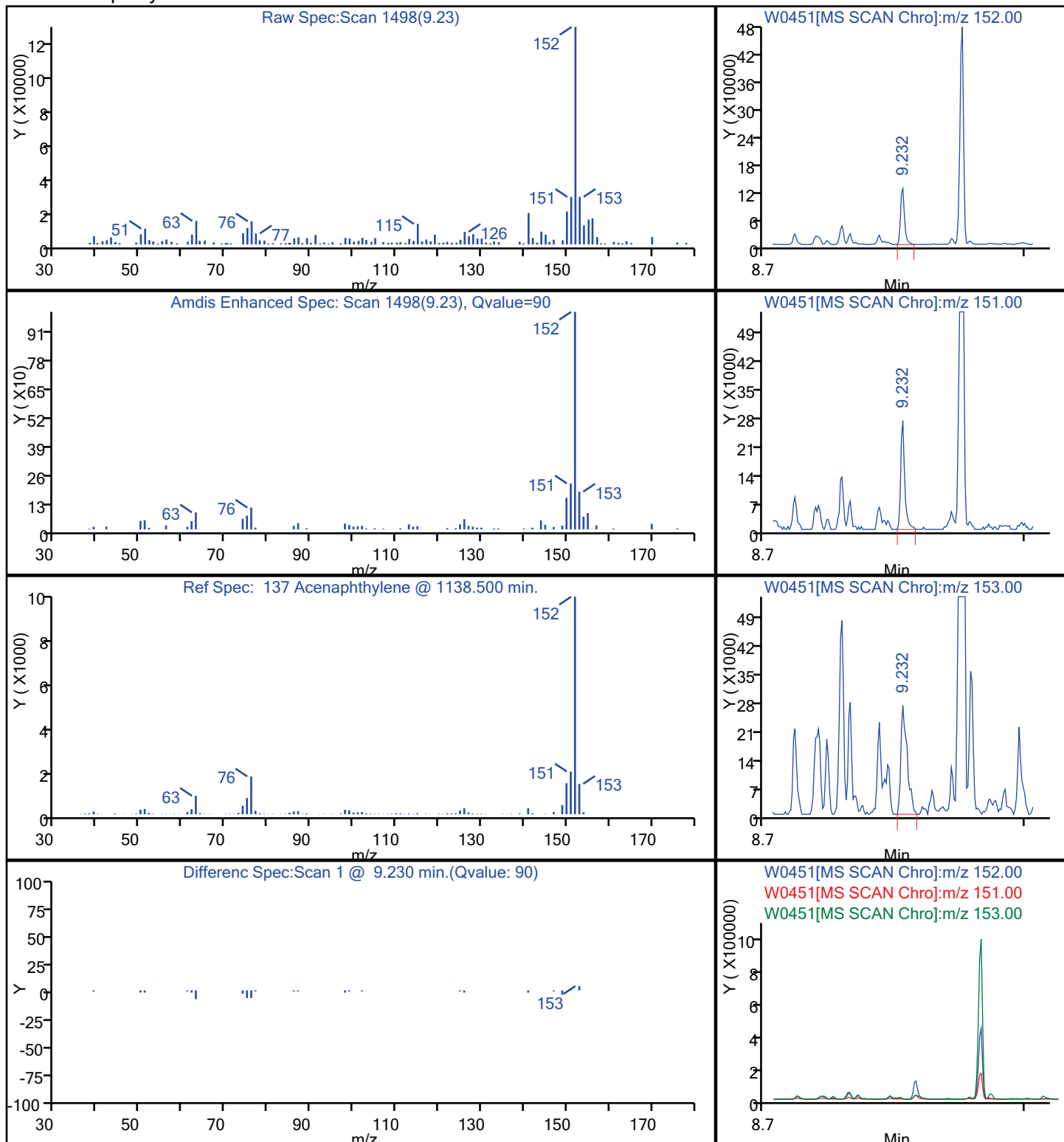
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

137 Acenaphthylene



Data File: \\Bufchrom\ChromData\HP5973W\20110527-3501.b\W0451.D

Injection Date: 27-May-2011 13:30:30

Limit Group: MB - 8270C ICAL

Client ID: DW-1R

Instrument ID: HP5973W

Lims Batch ID: 17774

Lims Sample ID: 16

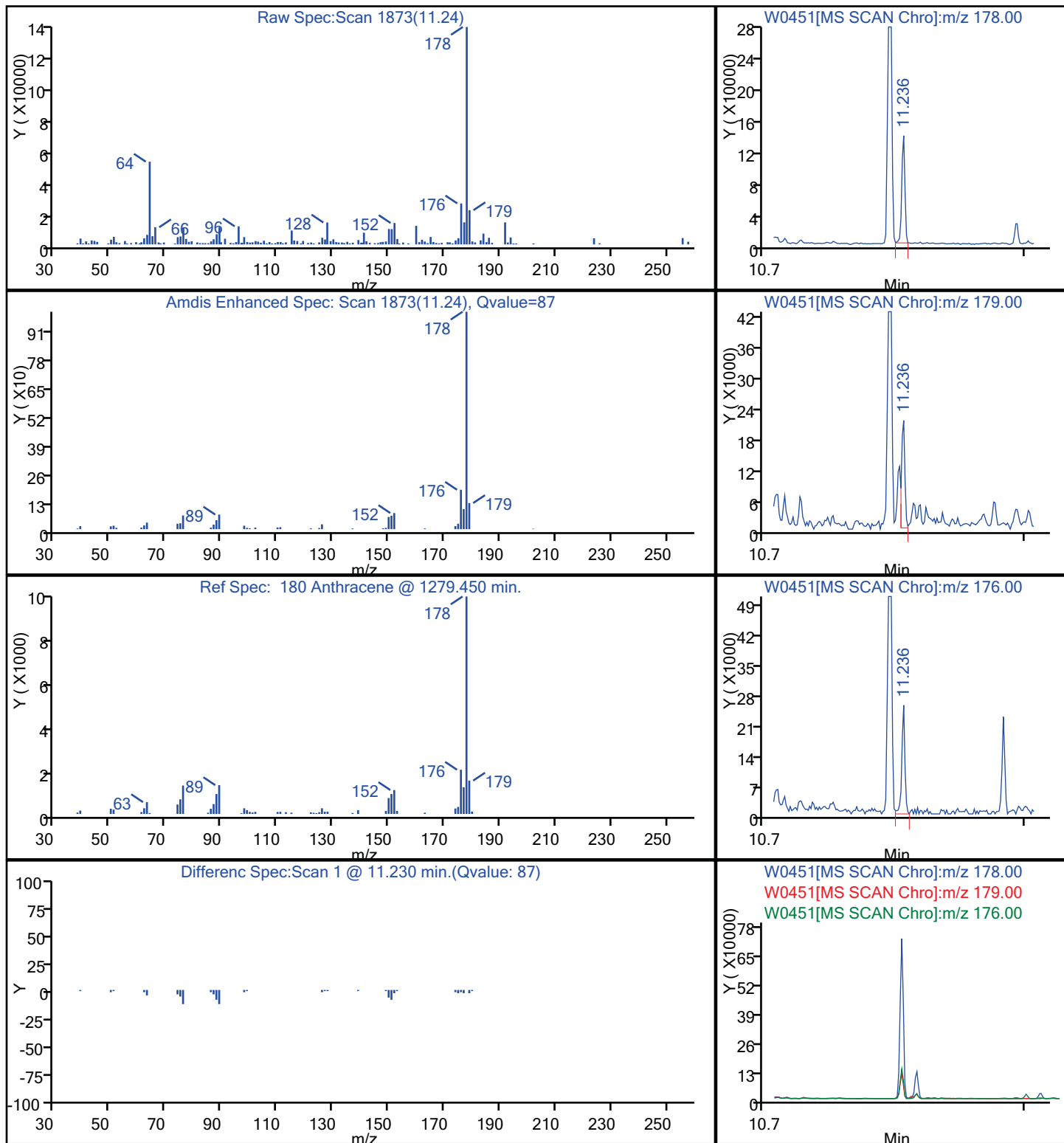
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

180 Anthracene



Data File: \\Bufchrom\ChromData\HP5973W\20110527-3501.b\W0451.D

Injection Date: 27-May-2011 13:30:30

Limit Group: MB - 8270C ICAL

Client ID: DW-1R

Instrument ID: HP5973W

Lims Batch ID: 17774

Lims Sample ID: 16

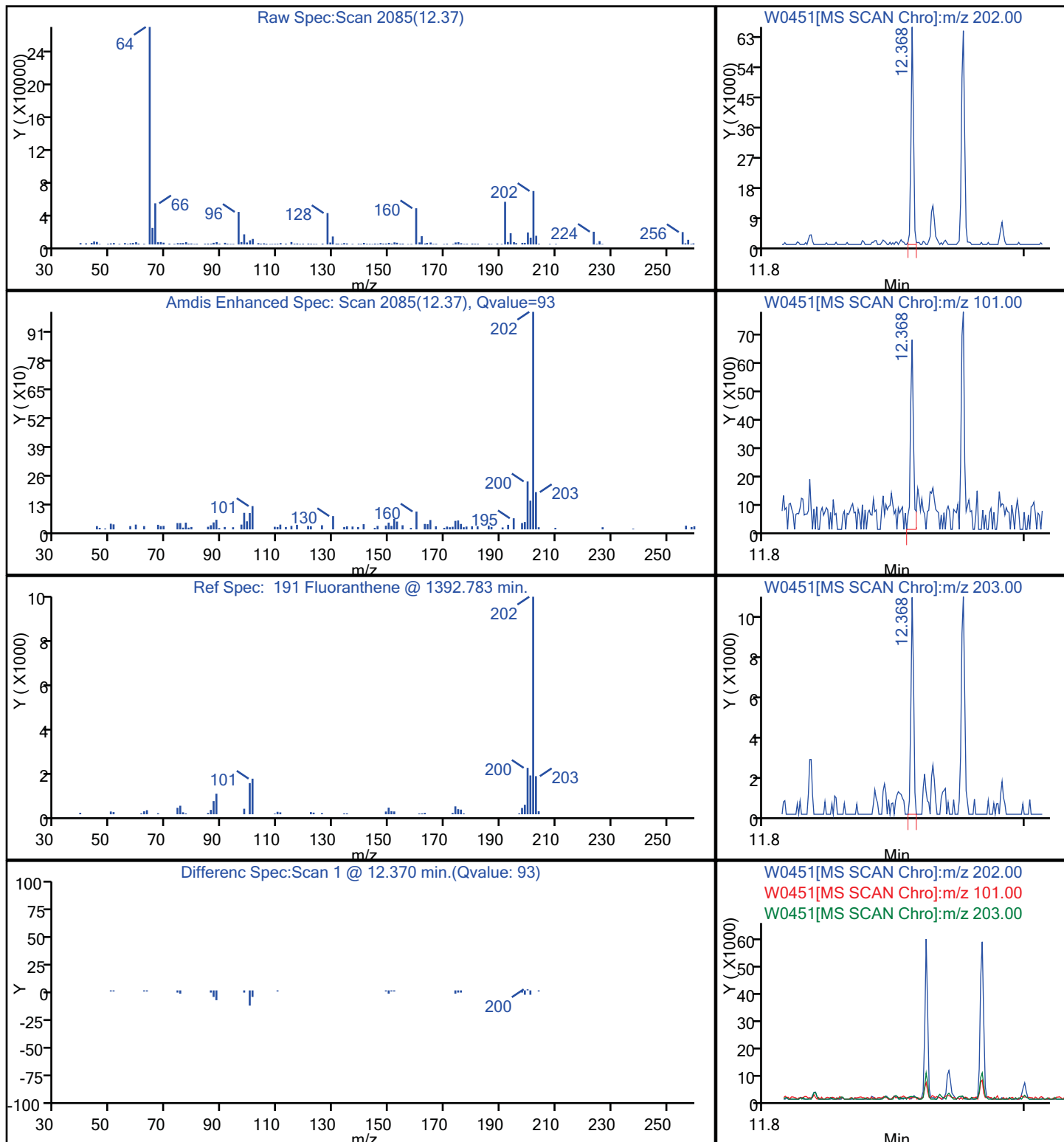
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

191 Fluoranthene



Data File: \\Bufchrom\ChromData\HP5973W\20110527-3501.b\W0451.D

Injection Date: 27-May-2011 13:30:30

Limit Group: MB - 8270C ICAL

Client ID: DW-1R

Instrument ID: HP5973W

Lims Batch ID: 17774

Lims Sample ID: 16

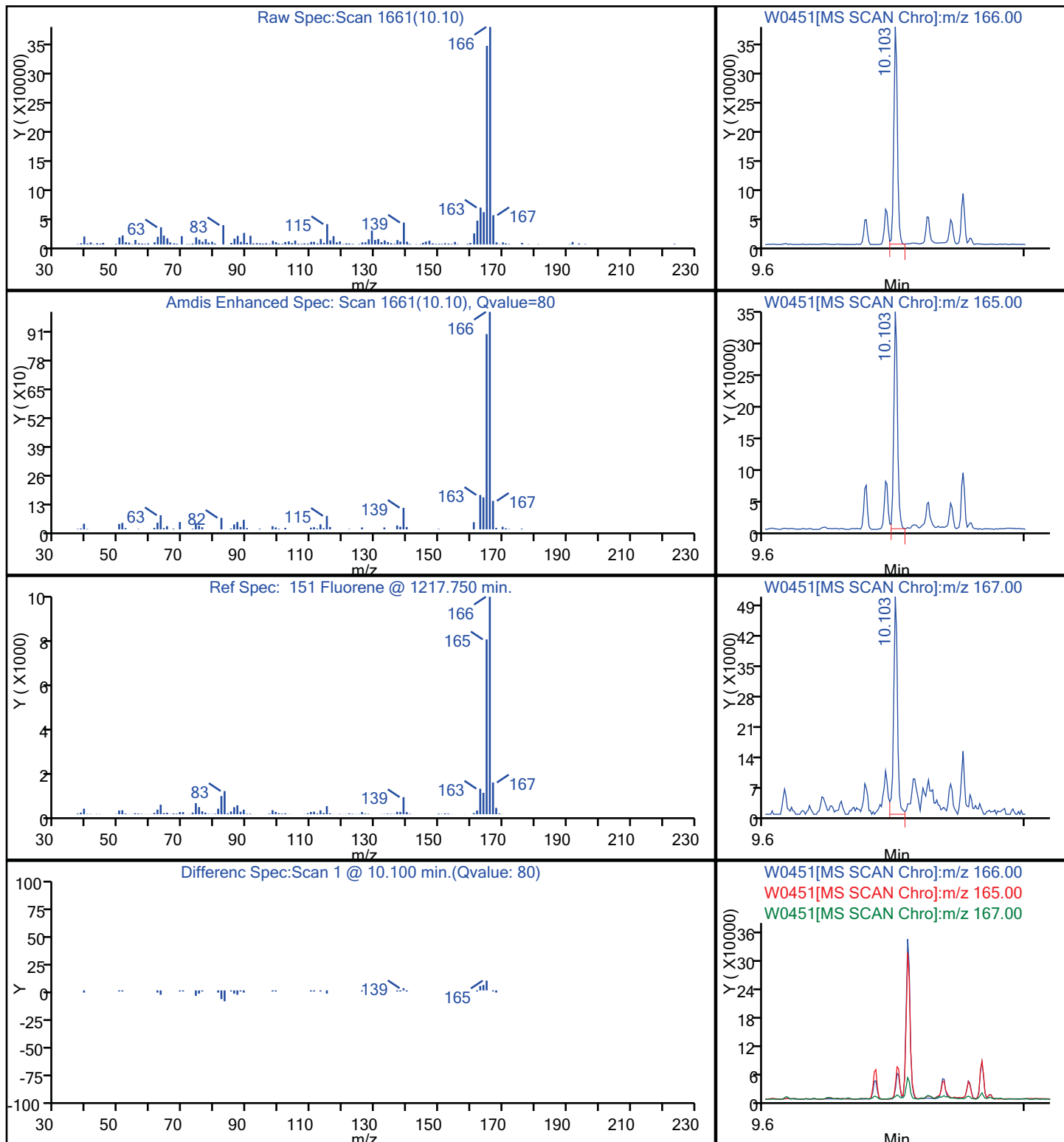
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

151 Fluorene



Data File: \\Bufchrom\ChromData\HP5973W\20110527-3501.b\W0451.D

Injection Date: 27-May-2011 13:30:30

Limit Group: MB - 8270C ICAL

Client ID: DW-1R

Instrument ID: HP5973W

Lims Batch ID: 17774

Lims Sample ID: 16

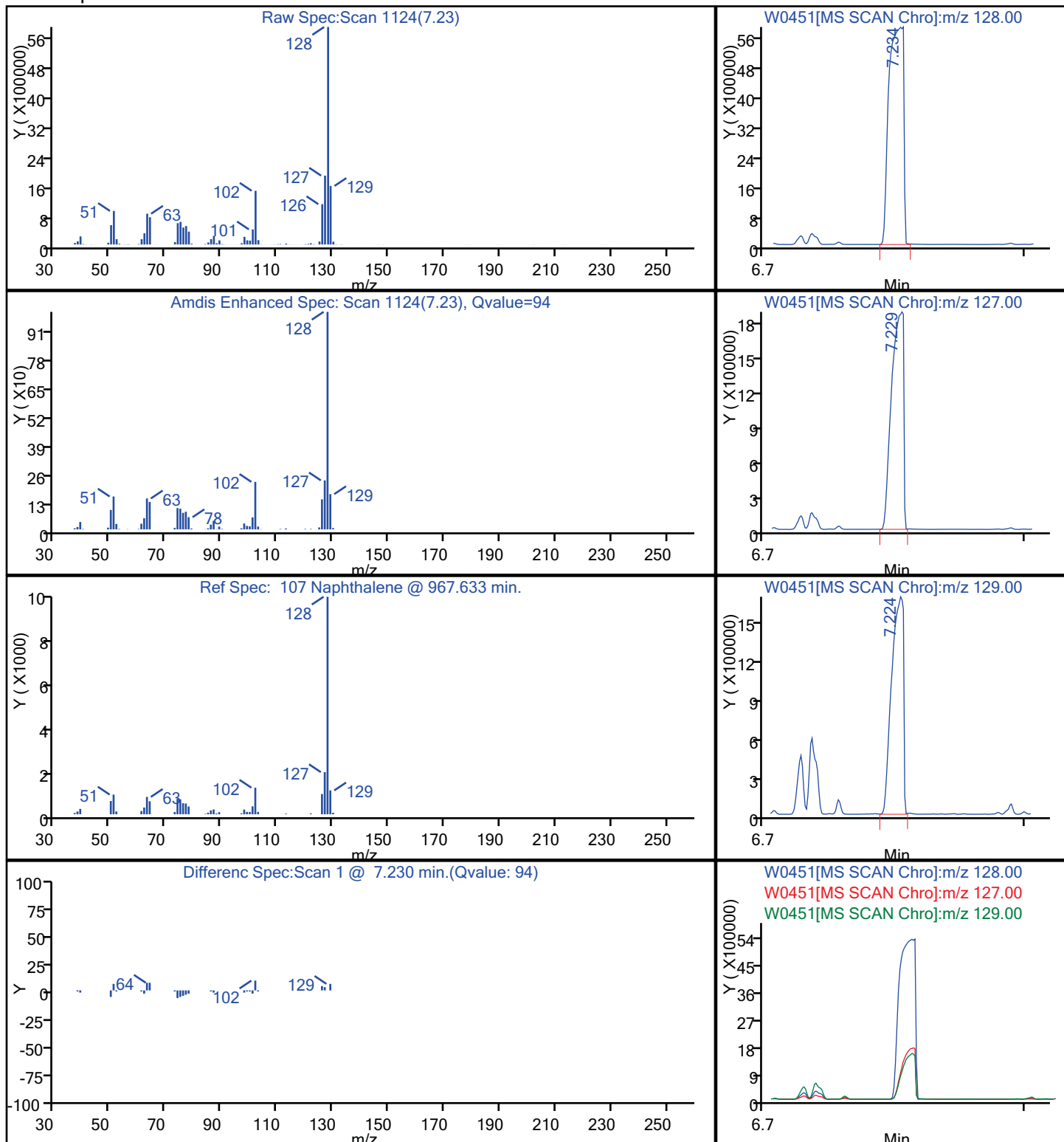
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

107 Naphthalene



Data File: \\Bufchrom\ChromData\HP5973W\20110527-3501.b\W0451.D

Injection Date: 27-May-2011 13:30:30

Limit Group: MB - 8270C ICAL

Client ID: DW-1R

Instrument ID: HP5973W

Lims Batch ID: 17774

Lims Sample ID: 16

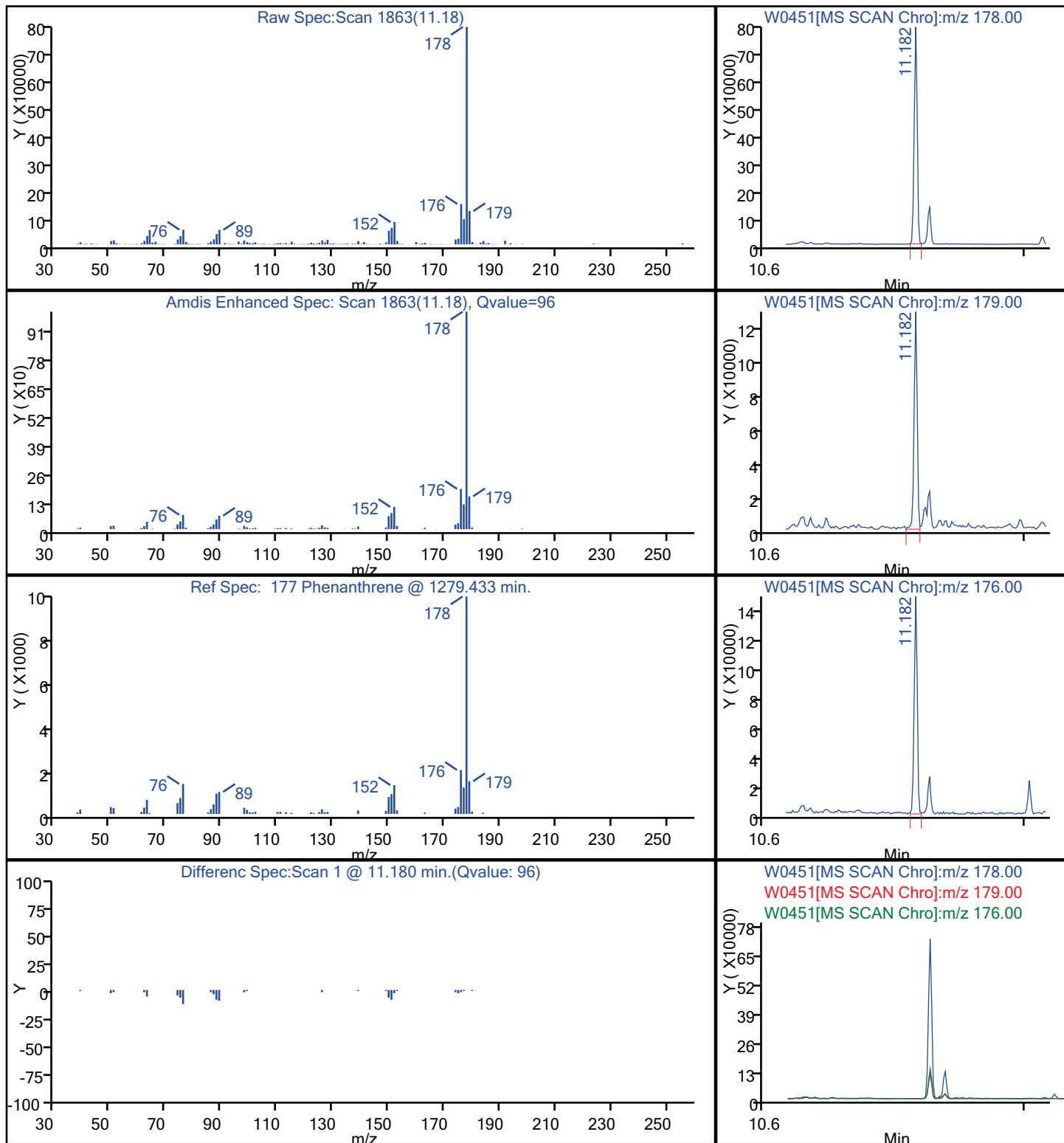
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

177 Phenanthrene



Data File: \\Bufchrom\ChromData\HP5973W\20110527-3501.b\W0451.D

Injection Date: 27-May-2011 13:30:30

Limit Group: MB - 8270C ICAL

Client ID: DW-1R

Instrument ID: HP5973W

Lims Batch ID: 17774

Lims Sample ID: 16

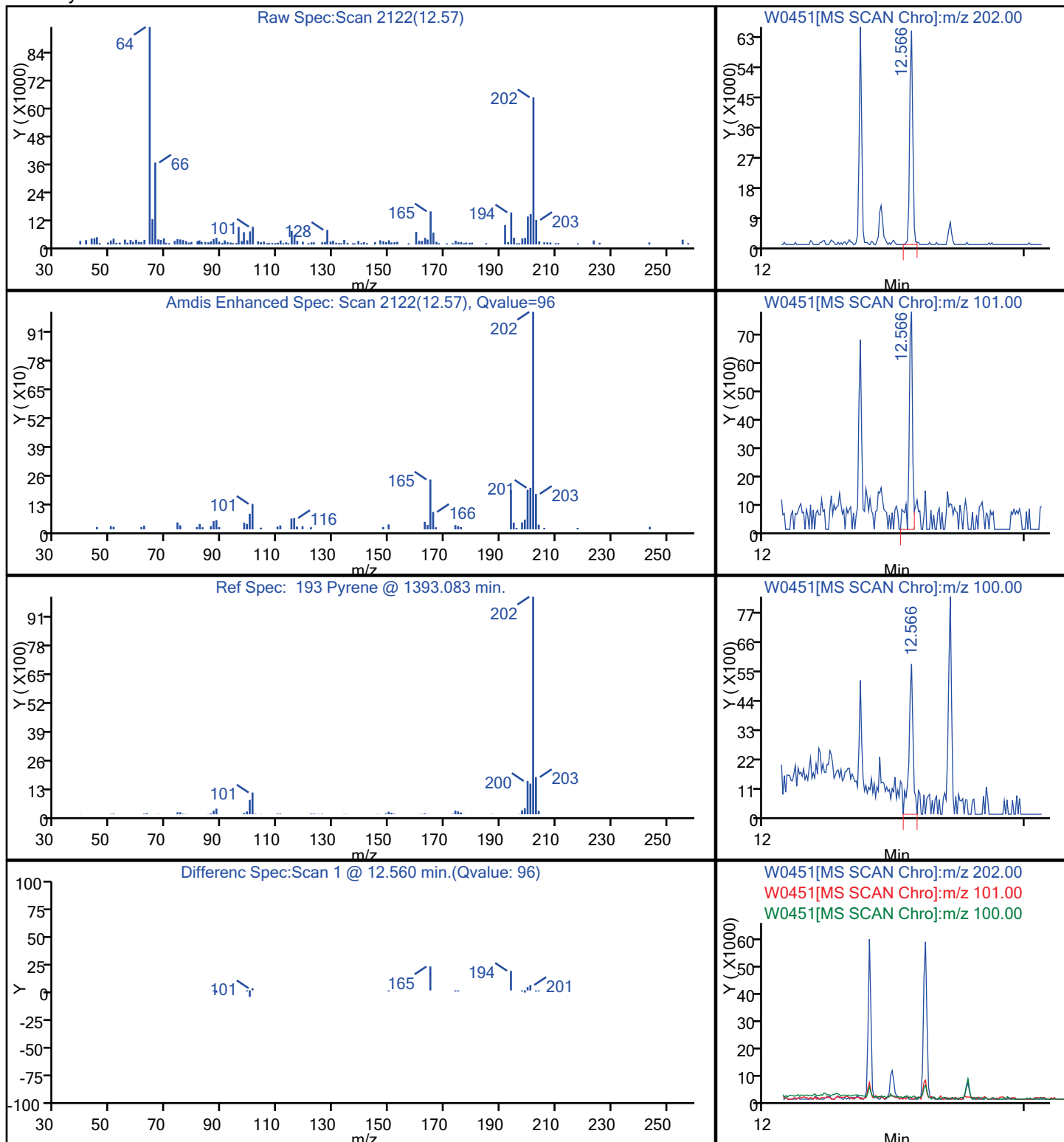
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

193 Pyrene



Data File: \\Bufchrom\ChromData\HP5973W\20110527-3501.b\W0451.D

Injection Date: 27-May-2011 13:30:30

Limit Group: MB - 8270C ICAL

Client ID: DW-1R

Instrument ID: HP5973W

Lims Batch ID: 17774

Lims Sample ID: 16

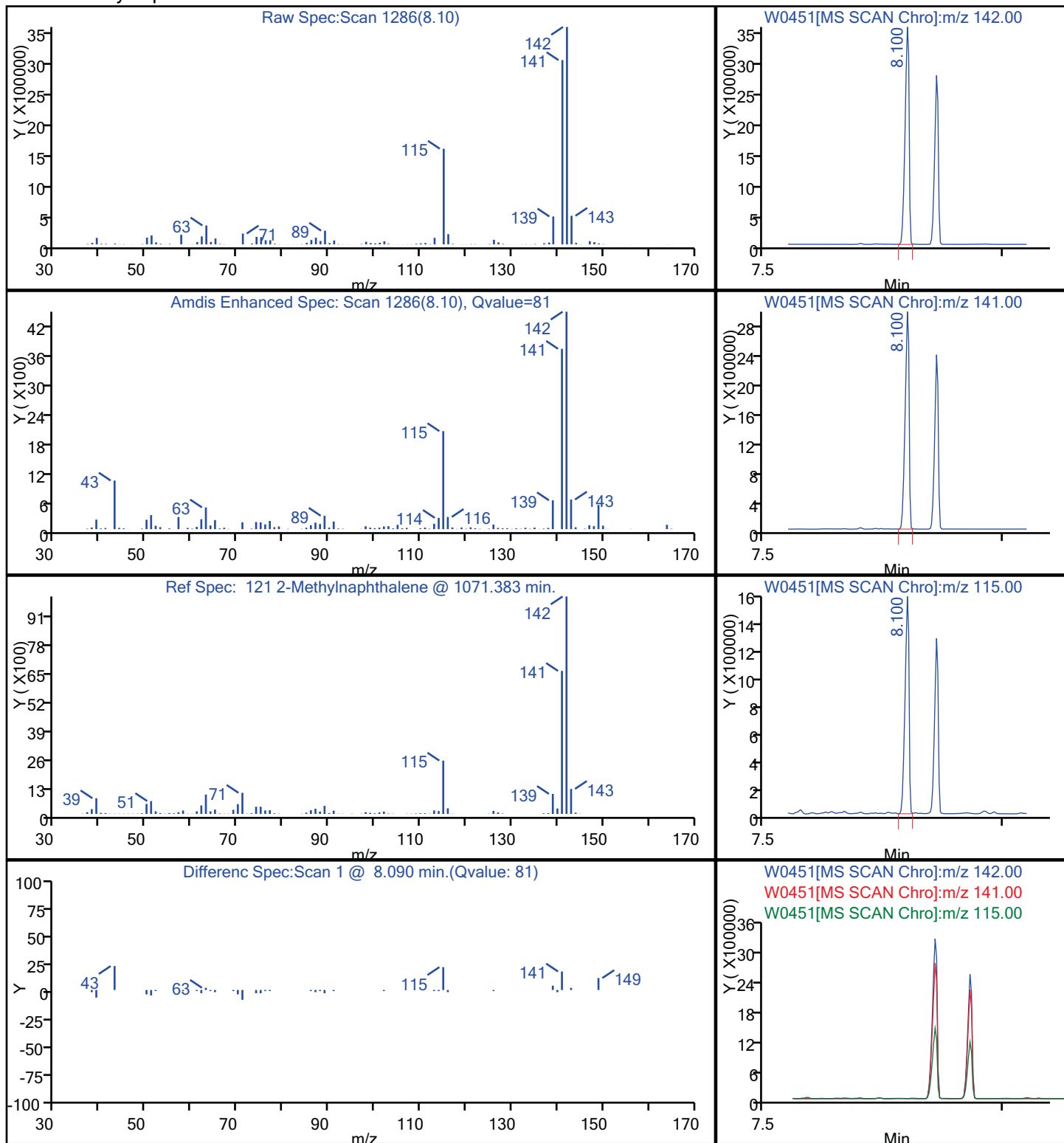
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

121 2-Methylnaphthalene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.: _____

Client Sample ID: DW-1R DL Lab Sample ID: 480-5072-1 DL

Matrix: Water Lab File ID: W0474.D

Analysis Method: 8270C Date Collected: 05/17/2011 14:10

Extract. Method: 3510C Date Extracted: 05/23/2011 17:26

Sample wt/vol: 1040 (mL) Date Analyzed: 05/31/2011 08:57

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.: 18006 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	100	J	240	20
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	23
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	35
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	28	J	240	17
193-39-5	Indeno(1,2,3-c,d)pyrene	ND		240	23
91-20-3	Naphthalene	4300		240	37
85-01-8	Phenanthrene	36	J	240	21
129-00-0	Pyrene	ND		240	16
91-57-6	2-Methylnaphthalene	460		240	29

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	64		46-120
321-60-8	2-Fluorobiphenyl	81		48-120
1718-51-0	p-Terphenyl-d14	92		24-136

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20110531-3546.b\W0474.D
 Lims ID: 480-5072-A-1-A Client ID: DW-1R
 Inject. Date: 31-May-2011 08:57:30 Dil. Factor: 50.0000
 Sample Type: Client
 Sample ID: 480-0003546-005
 Misc. Info.: 480-5072-A-1-A =480-5072-A-1-A
 Operator: MKP Instrument ID: HP5973W
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 18006 Lims Sample ID: 5
 Detector: MS SCAN

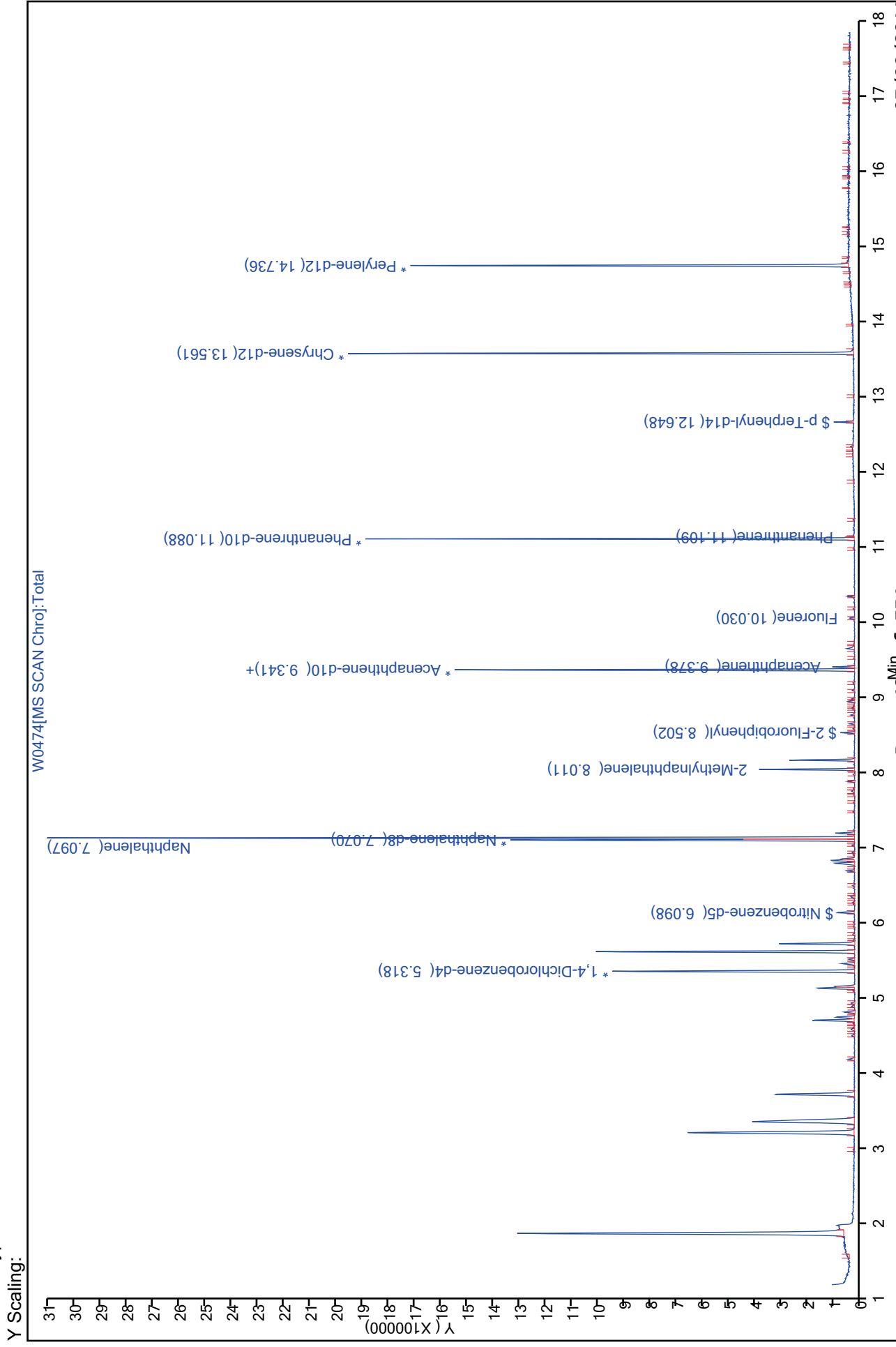
Method: \\Bufchrom\ChromData\HP5973W\20110531-3546.b\W-8270.m
 Last Update: 01-Jun-2011 15:01:31 Calib Date: 23-May-2011 17:08:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973W\20110523-3373.b\W0277.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: pagem

Date: 31-May-2011 11:21:46

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.318	5.318	0.0	97	151067	40.0	
* 2 Naphthalene-d8	136	7.070	7.070	0.0	93	610104	40.0	
* 3 Acenaphthene-d10	164	9.341	9.341	0.0	98	359042	40.0	
* 4 Phenanthrene-d10	188	11.088	11.088	0.0	98	595244	40.0	
* 5 Chrysene-d12	240	13.561	13.566	-0.005	95	622196	40.0	
* 6 Perylene-d12	264	14.736	14.736	0.0	99	644893	40.0	
\$ 9 Nitrobenzene-d5	82	6.098	6.098	0.0	77	7738	1.28	
\$ 10 2-Fluorobiphenyl	172	8.502	8.502	0.0	67	17317	1.62	
\$ 12 p-Terphenyl-d14	244	12.648	12.648	0.0	71	23873	1.84	
107 Naphthalene	128	7.097	7.092	0.0	98	1372569	89.5	
137 Acenaphthylene	152		9.159					
141 Acenaphthene	153	9.378	9.383	-0.005	85	20988	2.14	
151 Fluorene	166	10.030	10.030	-0.005	43	6486	0.5911	
177 Phenanthrene	178	11.109	11.114	-0.005	14	12575	0.7532	
180 Anthracene	178		11.168					
191 Fluoranthene	202		12.295					
193 Pyrene	202		12.498					
205 Benzo[a]anthracene	228		13.561					
207 Chrysene	228		13.588					
209 Benzo[b]fluoranthene	252		14.421					
211 Benzo[k]fluoranthene	252		14.448					
213 Benzo[a]pyrene	252		14.688					
215 Indeno[1,2,3-cd]pyrene	276		15.703					
216 Dibenz(a,h)anthracene	278		15.714					
217 Benzo[g,h,i]perylene	276		15.981					
121 2-Methylnaphthalene	142	8.011	8.011	-0.005	86	92866	9.50	

Report Date: 06-Jul-2011 10:08:42
Data File: \\Bufchrom\ChromData\HP5973W20110531-3546.b\W0474.D
Injection Date: 31-May-2011 08:57:30
Client ID: DW-1R
Lims Batch ID: 18006
Operator ID: MKP
Column Type: RXI-5Sil MS
Limit Group: MB - 8270C ICAL
Instrument ID: HP5973W
Lims Sample ID: 5
Injection Vol: 1.00 ul
Column Dia: 0.25 mm



Report Date: 06-Jul-2011 10:08:42

Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\Bufchrom\ChromData\HP5973W\20110531-3546.b\W0474.D

Injection Date: 31-May-2011 08:57:30

Limit Group: MB - 8270C ICAL

Client ID: DW-1R

Instrument ID: HP5973W

Lims Batch ID: 18006

Lims Sample ID: 5

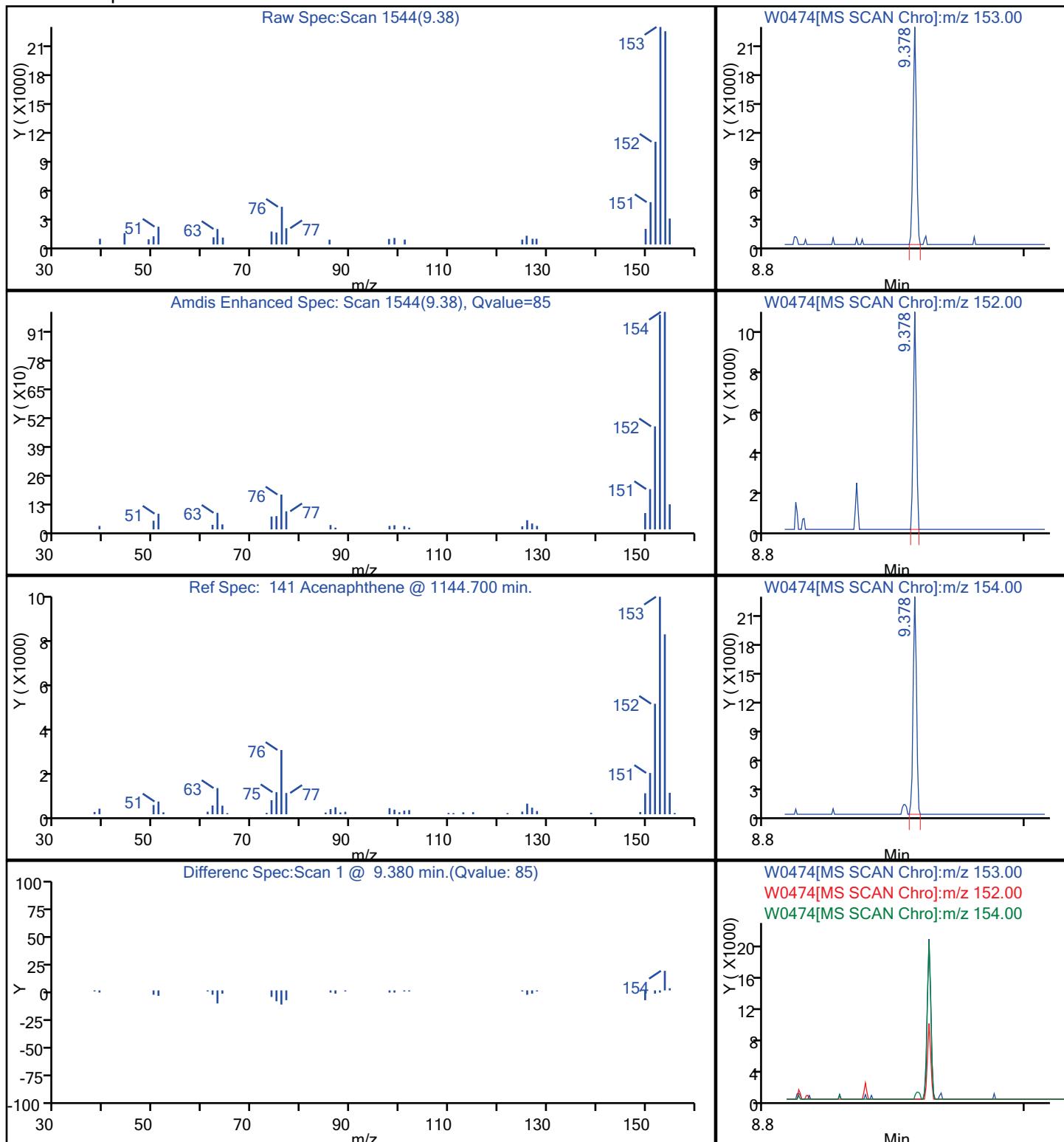
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

141 Acenaphthene



Data File: \\Bufchrom\ChromData\HP5973W\20110531-3546.b\W0474.D

Injection Date: 31-May-2011 08:57:30

Limit Group: MB - 8270C ICAL

Client ID: DW-1R

Instrument ID: HP5973W

Lims Batch ID: 18006

Lims Sample ID: 5

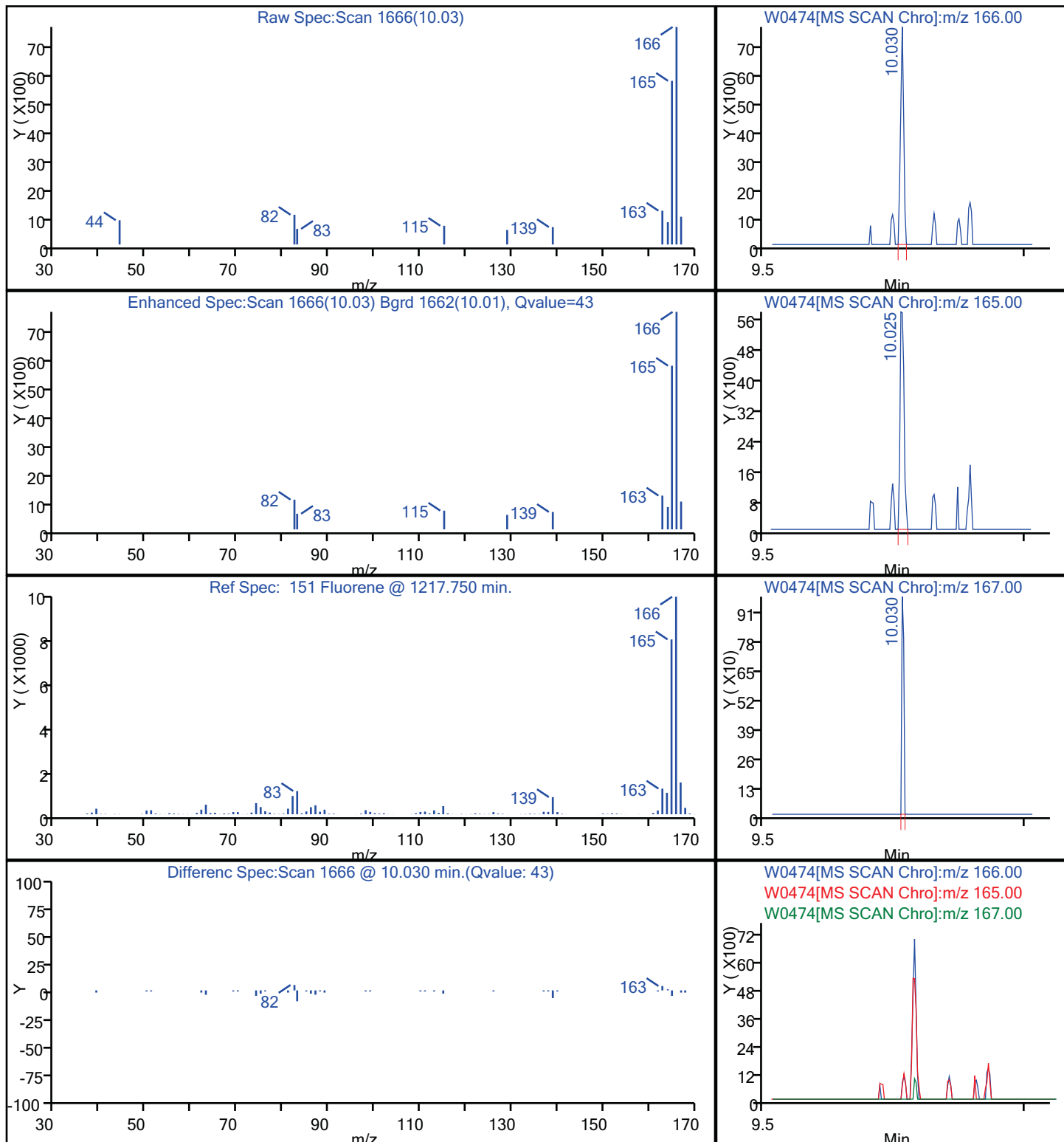
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

151 Fluorene



Report Date: 06-Jul-2011 10:08:42

Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\Bufchrom\ChromData\HP5973W\20110531-3546.b\W0474.D

Injection Date: 31-May-2011 08:57:30

Limit Group: MB - 8270C ICAL

Client ID: DW-1R

Instrument ID: HP5973W

Lims Batch ID: 18006

Lims Sample ID: 5

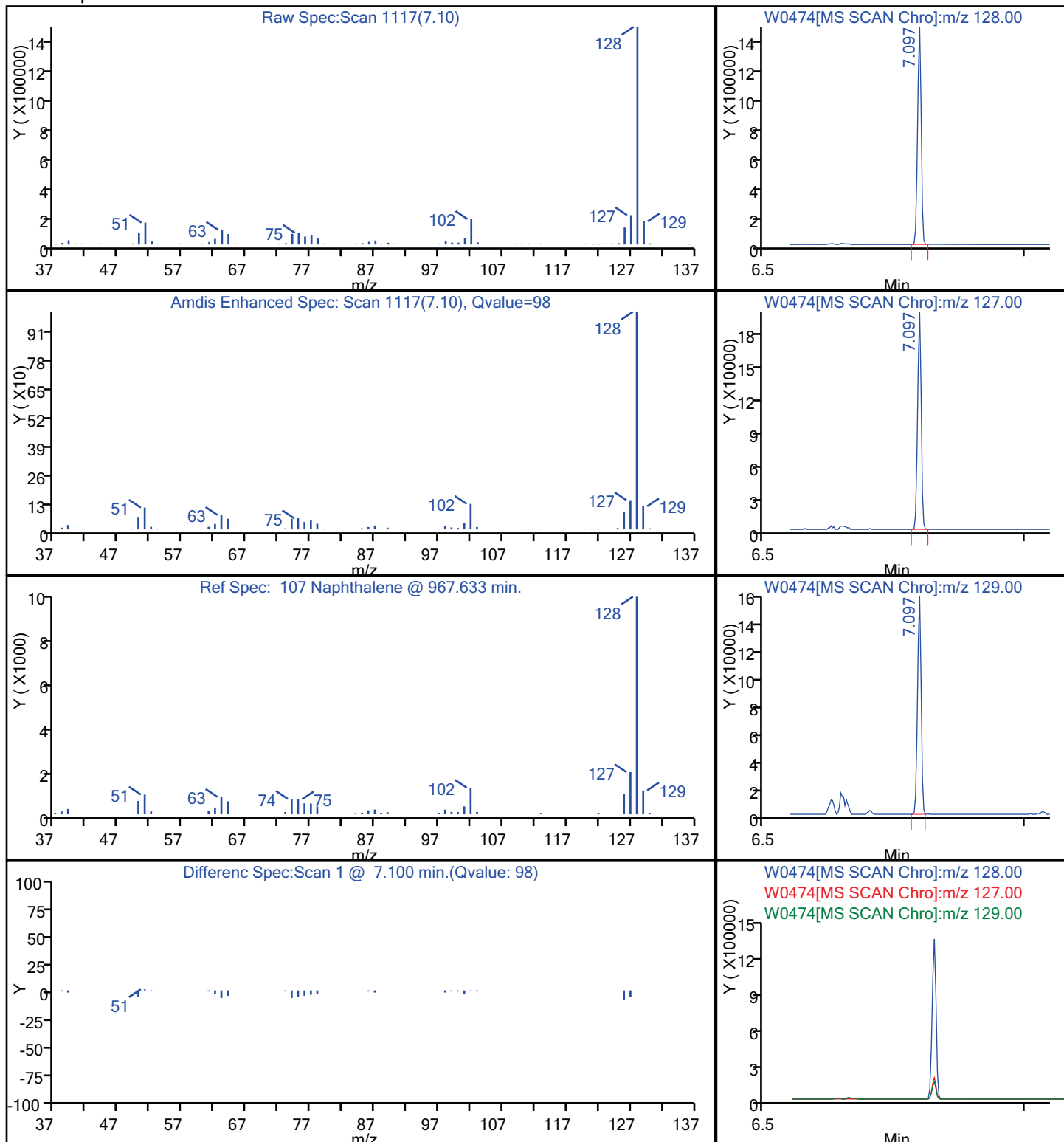
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

107 Naphthalene



Report Date: 06-Jul-2011 10:08:42

Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\Bufchrom\ChromData\HP5973W\20110531-3546.b\W0474.D

Injection Date: 31-May-2011 08:57:30

Limit Group: MB - 8270C ICAL

Client ID: DW-1R

Instrument ID: HP5973W

Lims Batch ID: 18006

Lims Sample ID: 5

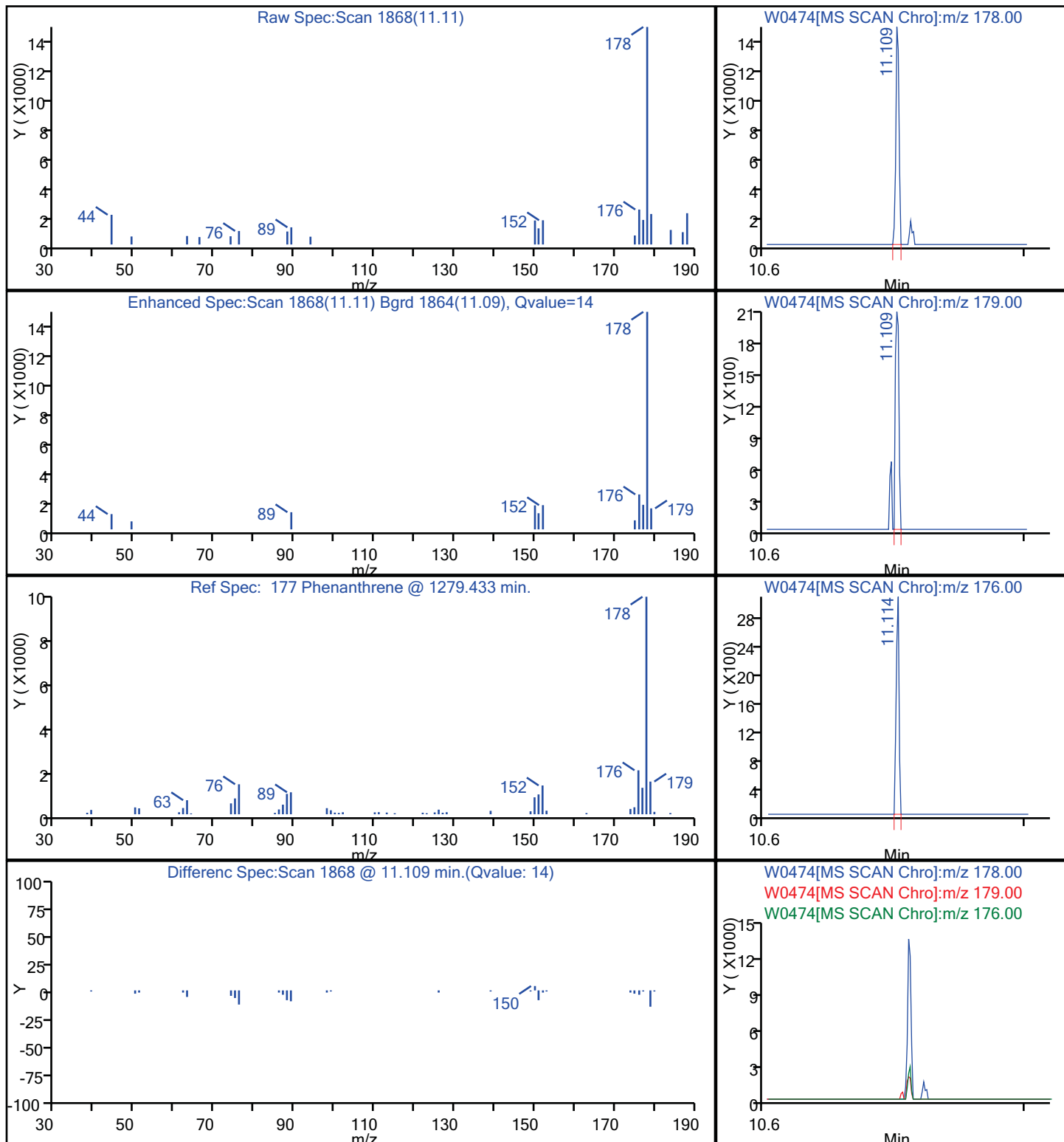
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

177 Phenanthrene



Report Date: 06-Jul-2011 10:08:42

Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\Bufchrom\ChromData\HP5973W\20110531-3546.b\W0474.D

Injection Date: 31-May-2011 08:57:30

Limit Group: MB - 8270C ICAL

Client ID: DW-1R

Instrument ID: HP5973W

Lims Batch ID: 18006

Lims Sample ID: 5

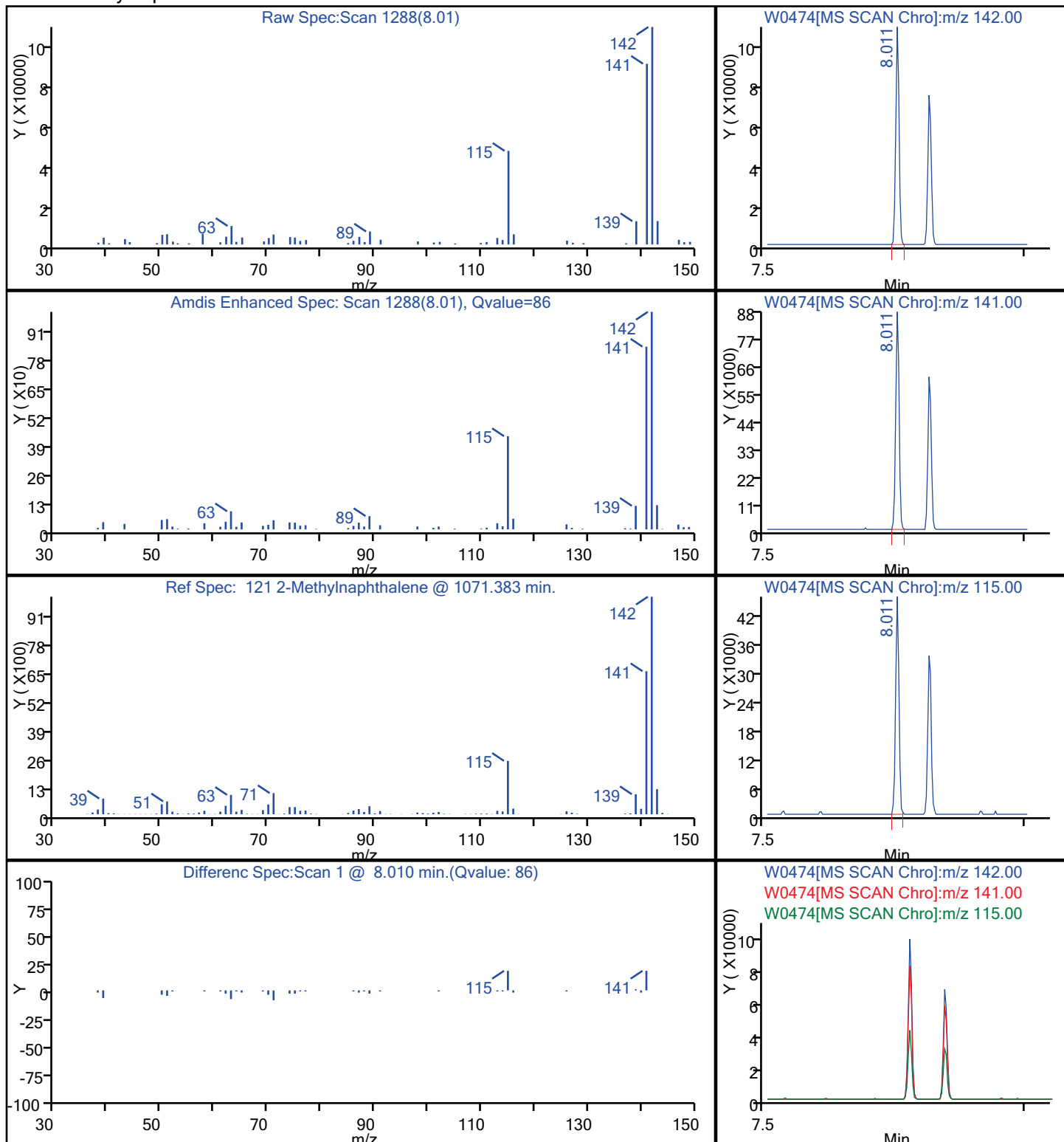
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

121 2-Methylnaphthalene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
 SDG No.: _____
 Client Sample ID: MW-3DR Lab Sample ID: 480-5072-2
 Matrix: Water Lab File ID: W0452.D
 Analysis Method: 8270C Date Collected: 05/18/2011 11:20
 Extract. Method: 3510C Date Extracted: 05/23/2011 17:26
 Sample wt/vol: 1060(mL) Date Analyzed: 05/27/2011 13:53
 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.: 17774 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	55		4.7	0.39
208-96-8	Acenaphthylene	16		4.7	0.36
120-12-7	Anthracene	1.1	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	9.5		4.7	0.34
193-39-5	Indeno(1,2,3-c,d)pyrene	ND		4.7	0.44
91-20-3	Naphthalene	710	E	4.7	0.72
85-01-8	Phenanthrene	7.1		4.7	0.42
129-00-0	Pyrene	ND		4.7	0.32
91-57-6	2-Methylnaphthalene	53		4.7	0.57

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	79		46-120
321-60-8	2-Fluorobiphenyl	92		48-120
1718-51-0	p-Terphenyl-d14	98		24-136

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20110527-3501.b\W0452.D
 Lims ID: 480-5072-A-2-A Client ID: MW-3DR
 Inject. Date: 27-May-2011 13:53:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-0003501-017
 Misc. Info.: 480-5072-A-2-A =480-5072-A-2-A
 Operator: MKP Instrument ID: HP5973W
 Vol. Injected: 1.0000 ALS Bottle#: 14
 Lims Batch ID: 17774 Lims Sample ID: 17
 Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973W\20110527-3501.b\W-8270.m
 Last Update: 31-May-2011 11:17:45 Calib Date: 23-May-2011 17:08:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973W\20110523-3373.b\W0277.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: pagem

Date: 31-May-2011 11:06:19

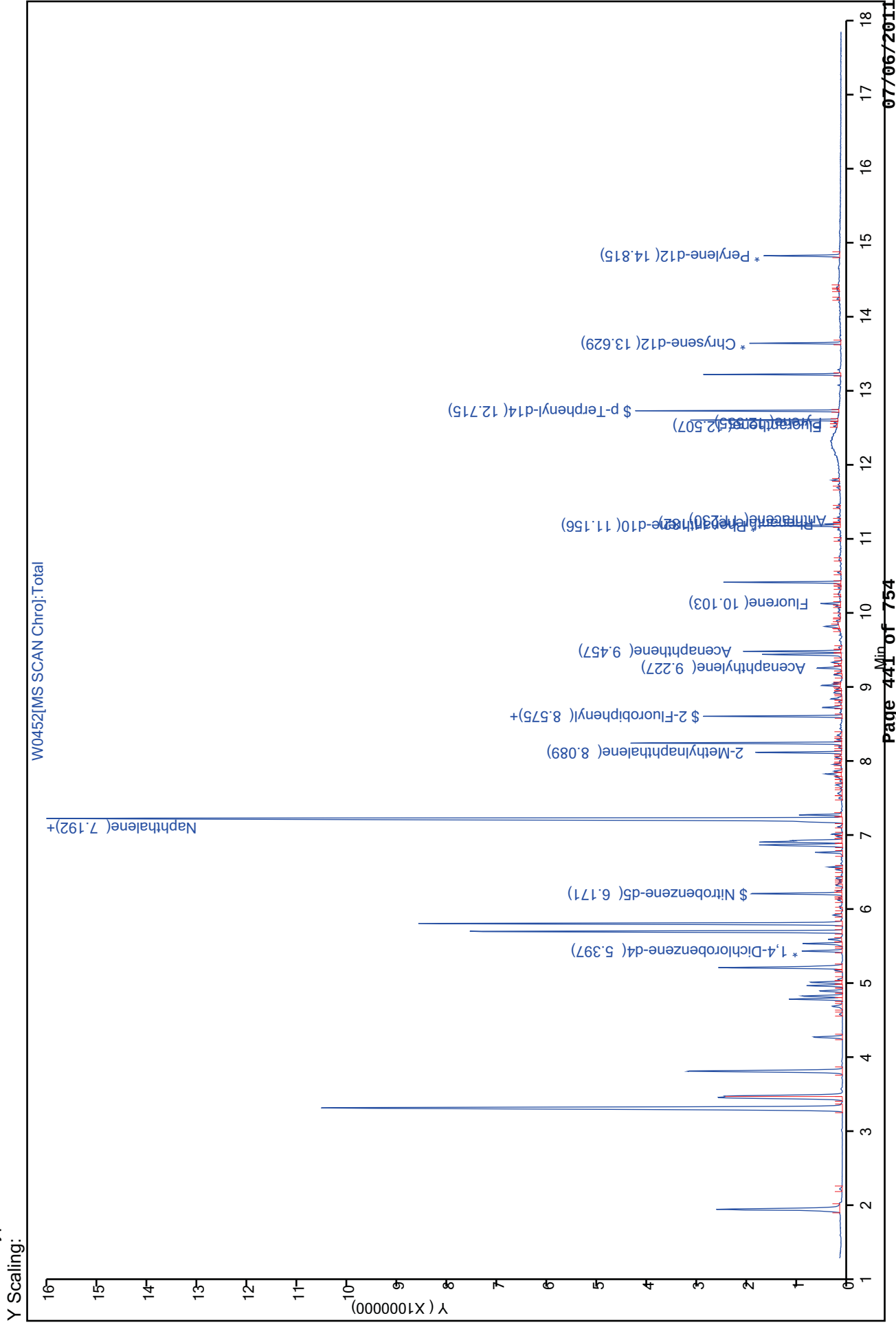
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.397	5.397	0.0	98	125546	40.0	
* 2 Naphthalene-d8	136	7.149	7.144	0.005	70	517339	40.0	
* 3 Acenaphthene-d10	164	9.414	9.414	0.0	98	290453	40.0	
* 4 Phenanthrene-d10	188	11.156	11.156	0.0	98	502730	40.0	
* 5 Chrysene-d12	240	13.629	13.629	0.0	98	529864	40.0	
* 6 Perylene-d12	264	14.815	14.815	0.0	98	541559	40.0	
\$ 9 Nitrobenzene-d5	82	6.171	6.171	0.0	90	406313	79.3	
\$ 10 2-Fluorobiphenyl	172	8.575	8.575	0.0	99	795334	91.8	
\$ 12 p-Terphenyl-d14	244	12.715	12.715	-0.001	96	1086966	98.3	
107 Naphthalene	128	7.192	7.170	0.022	98	9788777	753.0	E
137 Acenaphthylene	152	9.227	9.232	-0.005	90	191699	16.5	
141 Acenaphthene	153	9.457	9.457	0.0	92	463975	58.4	
151 Fluorene	166	10.103	10.103	0.0	88	90090	10.1	
177 Phenanthrene	178	11.182	11.182	0.0	94	105695	7.50	
180 Anthracene	178	11.236	11.236	0.0	71	16419	1.16	
191 Fluoranthene	202	12.358	12.358	0.0	43	3903	0.2438	
193 Pyrene	202	12.561	12.566	-0.005	51	4707	0.2766	
205 Benzo[a]anthracene	228		13.624					
207 Chrysene	228		13.656					
209 Benzo[b]fluoranthene	252		14.500					
211 Benzo[k]fluoranthene	252		14.521					
213 Benzo[a]pyrene	252		14.772					
215 Indeno[1,2,3-cd]pyrene	276		15.814					
216 Dibenz(a,h)anthracene	278		15.819					
217 Benzo[g,h,i]perylene	276		16.097					
121 2-Methylnaphthalene	142	8.089	8.084	0.0	83	463430	55.9	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Report Date: 06-Jul-2011 10:05:09
Data File: \\Bufchrom\ChromData\HP5973W20110527-3501.b\W0452.D
Injection Date: 27-May-2011 13:53:30
Client ID: MW-3DR
Lims Batch ID: 17774
Operator ID: MKP
Column Type: RXI-5Sil MS
Chrom Revision: 1.2 30-Jun-2011 15:02:28
Limit Group: MB - 8270C ICAL
Instrument ID: HP5973W
Lims Sample ID: 17
Injection Vol: 1.00 ul
Column Dia: 0.25 mm



Data File: \\Bufchrom\ChromData\HP5973W\20110527-3501.b\W0452.D

Injection Date: 27-May-2011 13:53:30

Limit Group: MB - 8270C ICAL

Client ID: MW-3DR

Instrument ID: HP5973W

Lims Batch ID: 17774

Lims Sample ID: 17

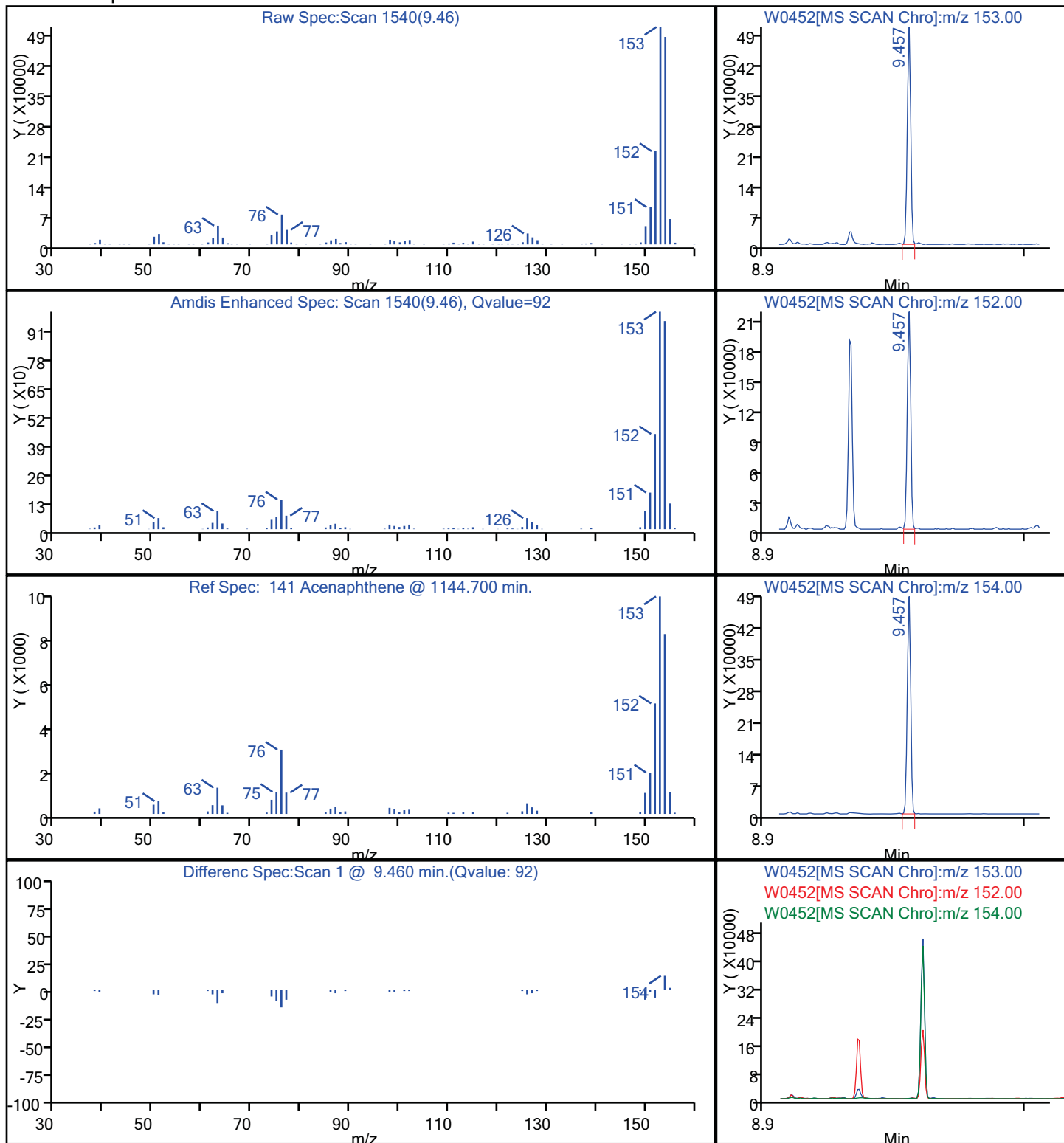
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

141 Acenaphthene



Data File: \\Bufchrom\ChromData\HP5973W\20110527-3501.b\W0452.D

Injection Date: 27-May-2011 13:53:30

Limit Group: MB - 8270C ICAL

Client ID: MW-3DR

Instrument ID: HP5973W

Lims Batch ID: 17774

Lims Sample ID: 17

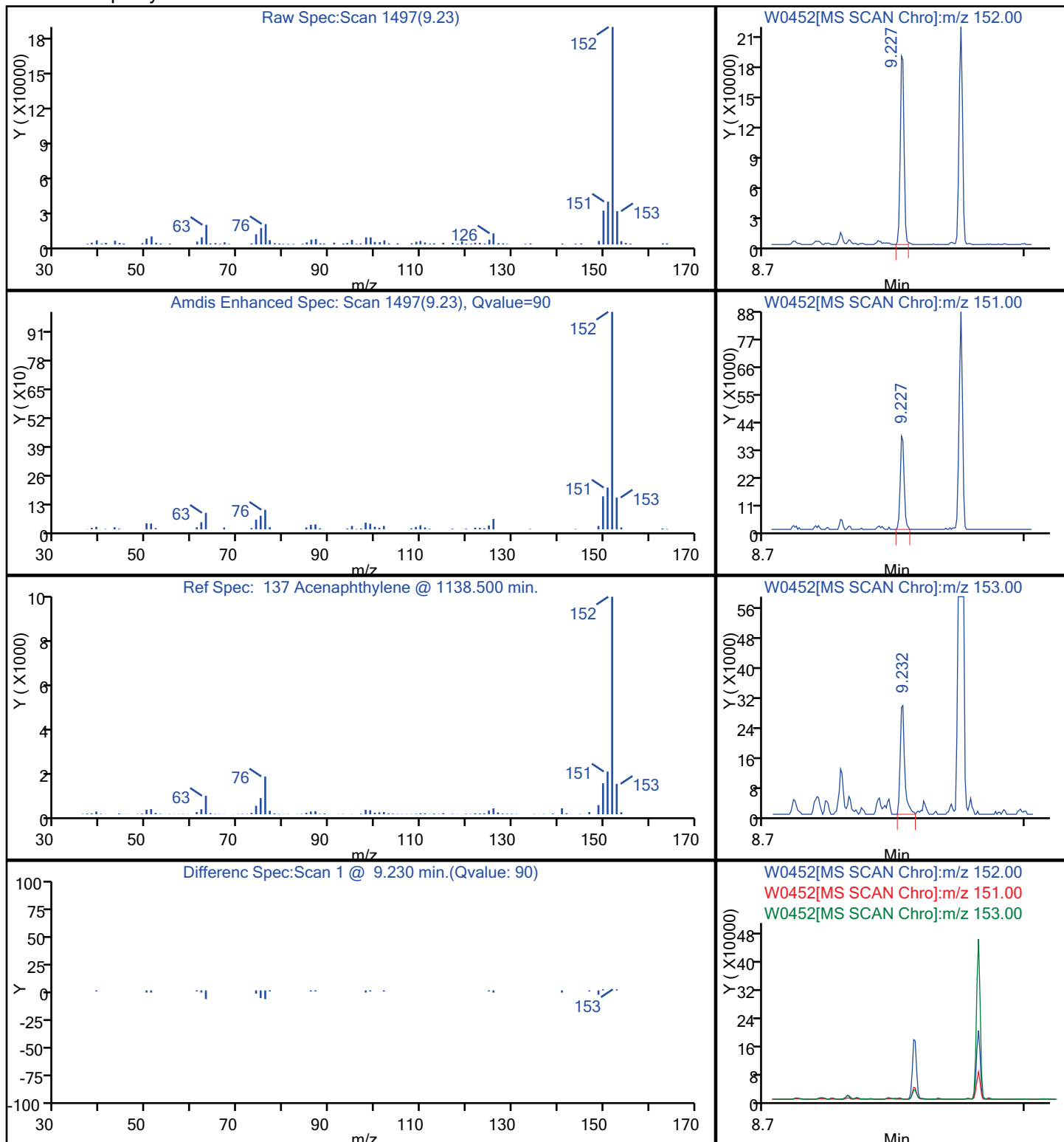
Operator ID: MKP

Injection Vol: 1.00 ul

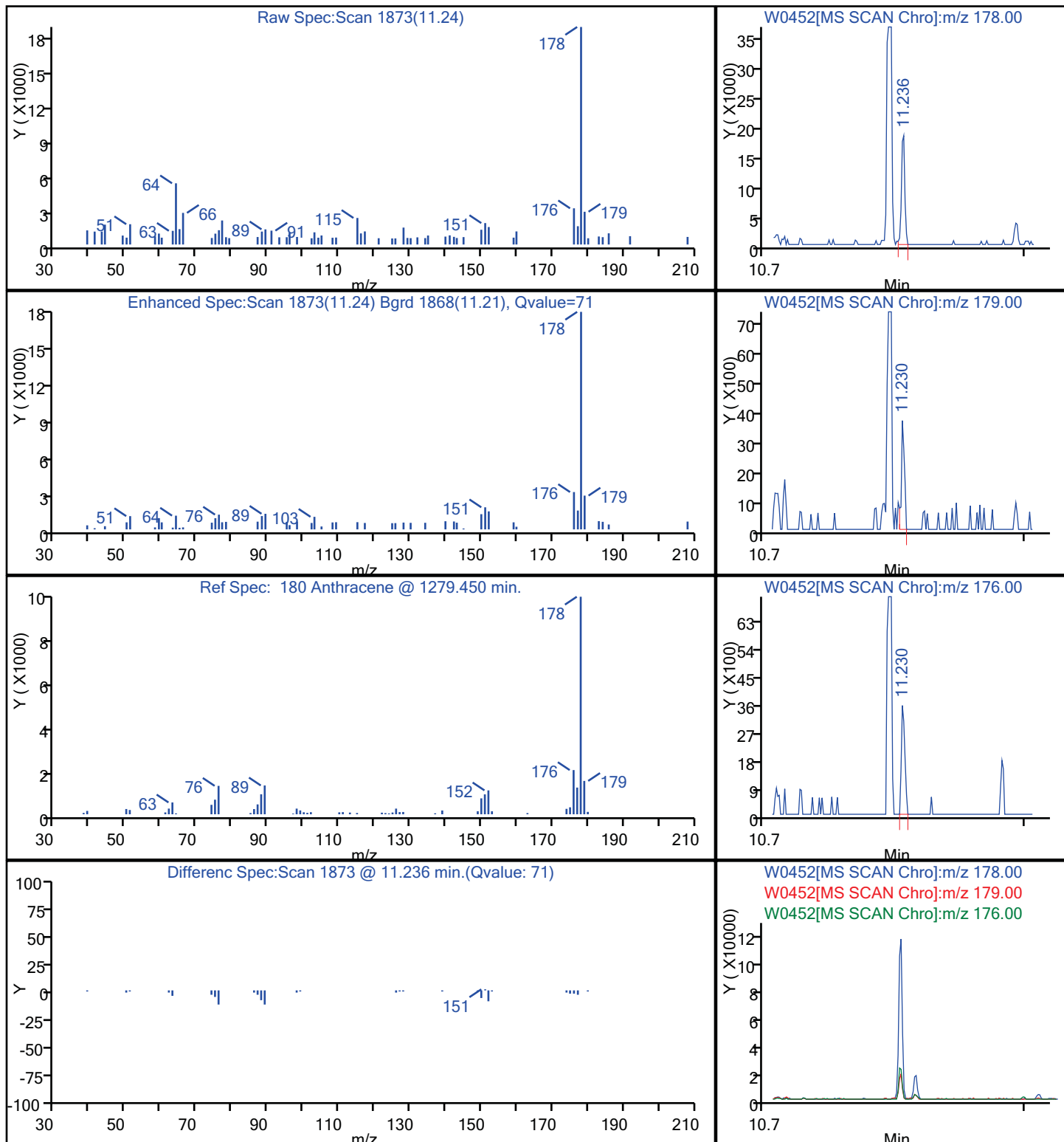
Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

137 Acenaphthylene



180 Anthracene



Data File: \\Bufchrom\ChromData\HP5973W\20110527-3501.b\W0452.D

Injection Date: 27-May-2011 13:53:30

Limit Group: MB - 8270C ICAL

Client ID: MW-3DR

Instrument ID: HP5973W

Lims Batch ID: 17774

Lims Sample ID: 17

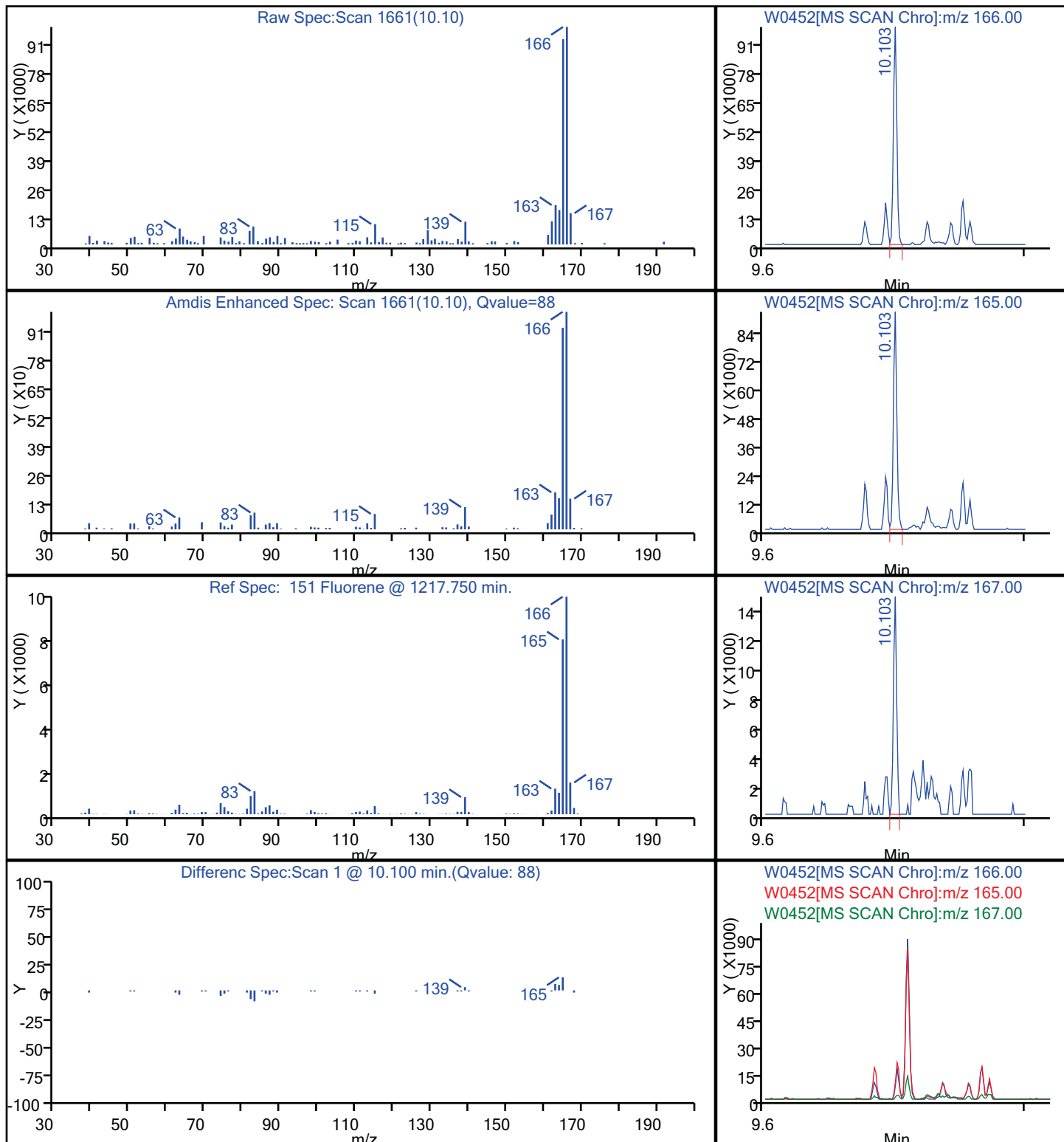
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

151 Fluorene



Data File: \\Bufchrom\ChromData\HP5973W\20110527-3501.b\W0452.D

Injection Date: 27-May-2011 13:53:30

Limit Group: MB - 8270C ICAL

Client ID: MW-3DR

Instrument ID: HP5973W

Lims Batch ID: 17774

Lims Sample ID: 17

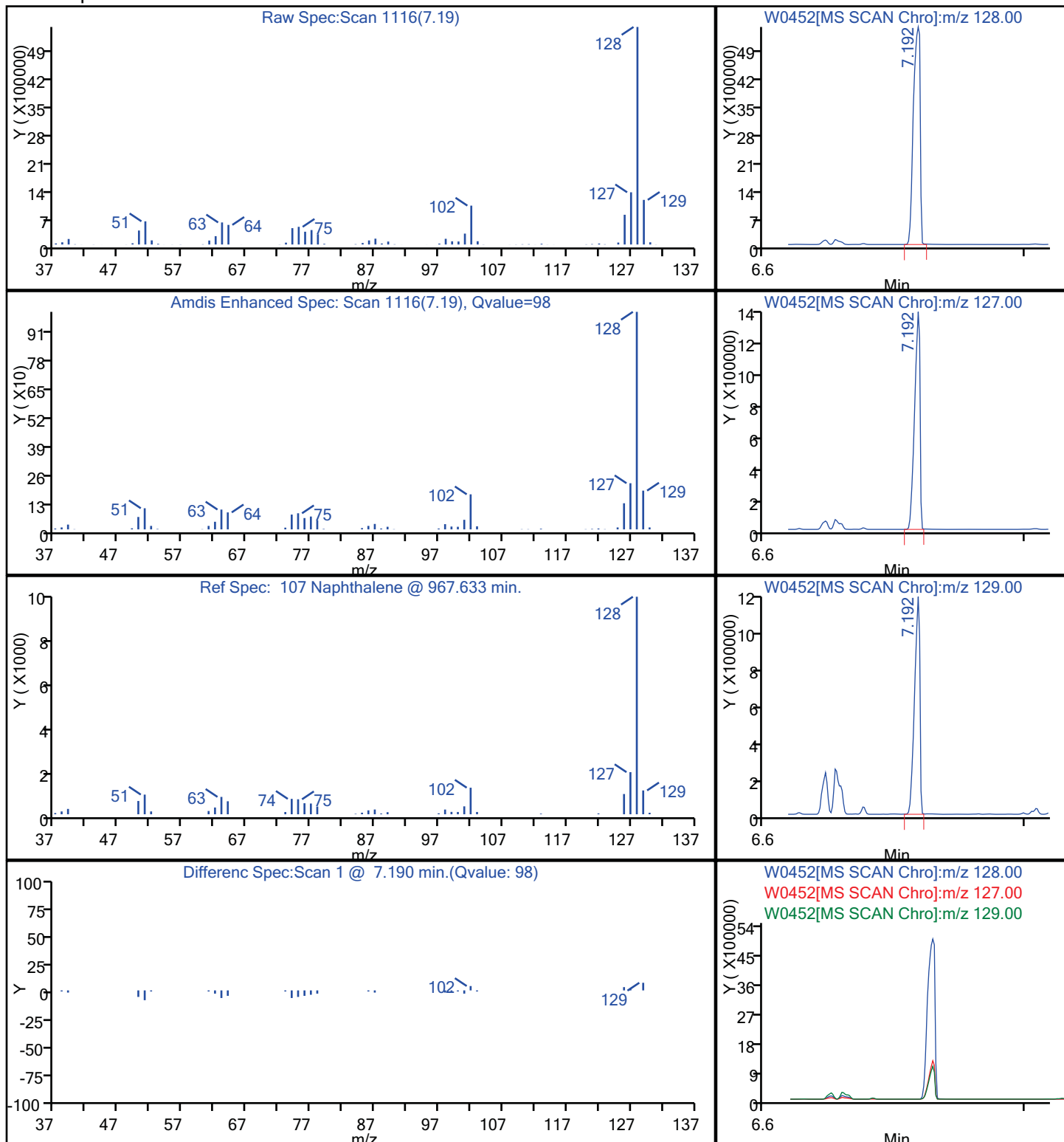
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

107 Naphthalene



Report Date: 06-Jul-2011 10:05:09

Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\Bufchrom\ChromData\HP5973W\20110527-3501.b\W0452.D

Injection Date: 27-May-2011 13:53:30

Limit Group: MB - 8270C ICAL

Client ID: MW-3DR

Instrument ID: HP5973W

Lims Batch ID: 17774

Lims Sample ID: 17

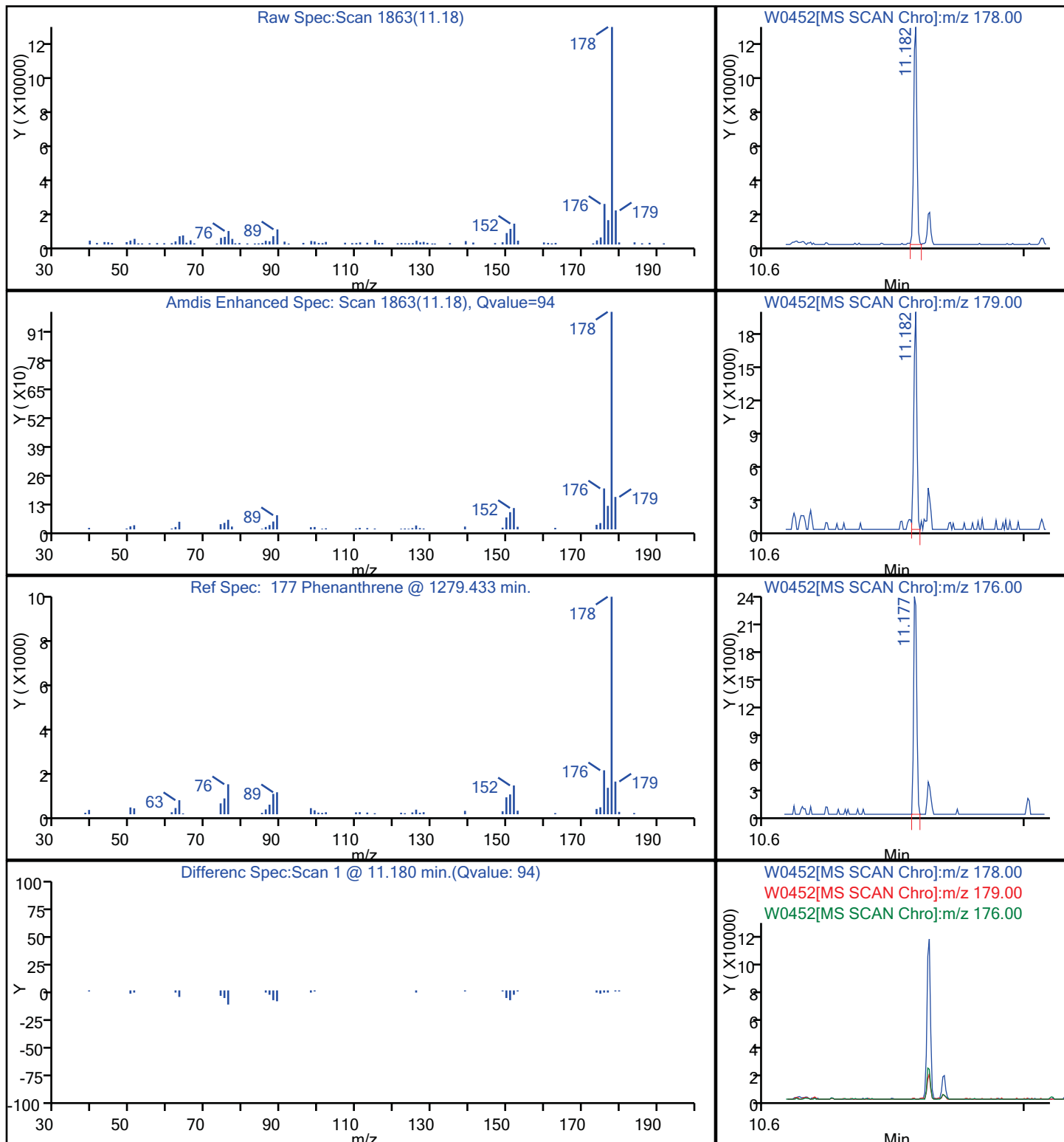
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

177 Phenanthrene



Data File: \\Bufchrom\ChromData\HP5973W\20110527-3501.b\W0452.D

Injection Date: 27-May-2011 13:53:30

Limit Group: MB - 8270C ICAL

Client ID: MW-3DR

Instrument ID: HP5973W

Lims Batch ID: 17774

Lims Sample ID: 17

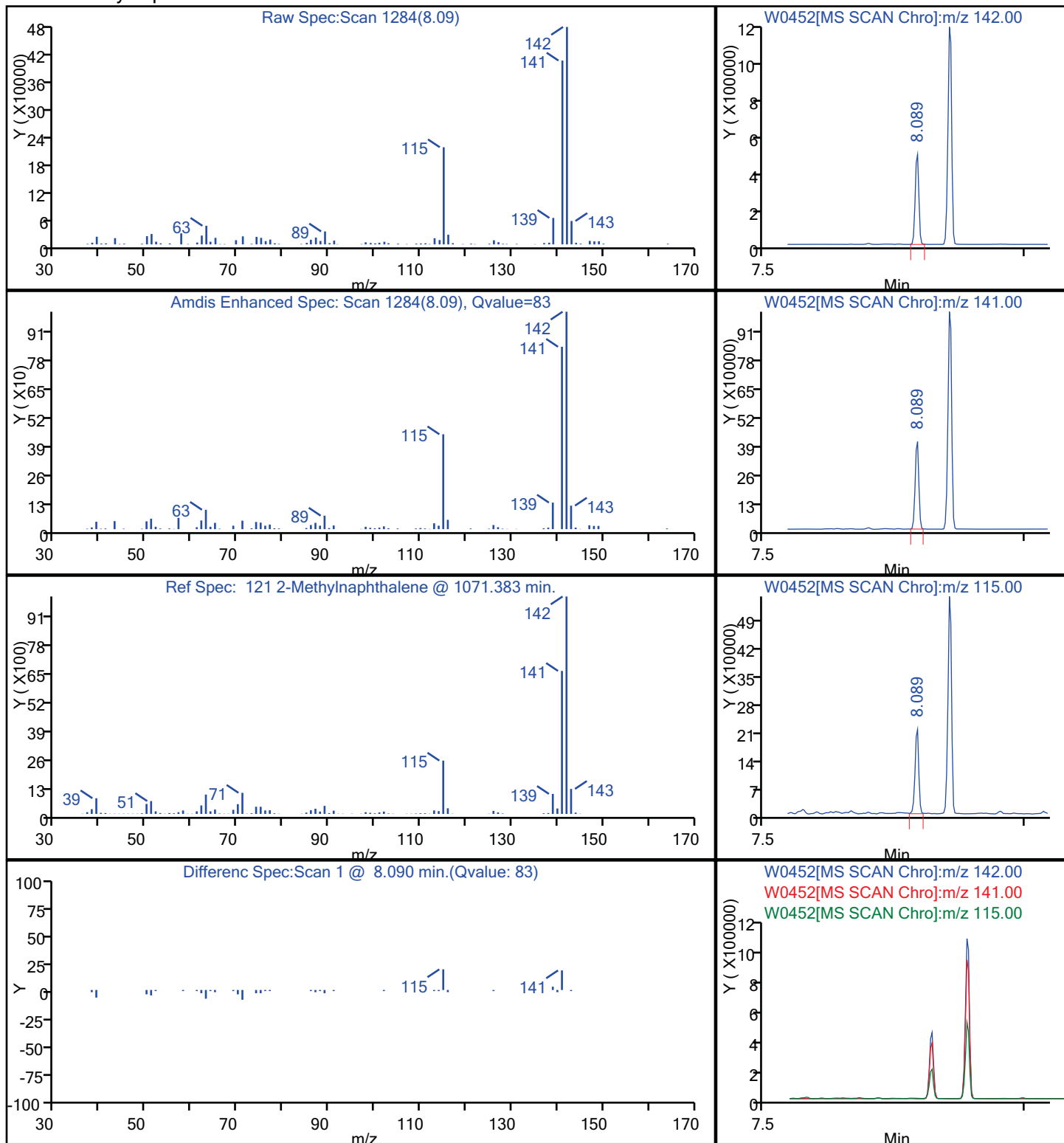
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

121 2-Methylnaphthalene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.: _____

Client Sample ID: MW-3DR DL Lab Sample ID: 480-5072-2 DL

Matrix: Water Lab File ID: W0475.D

Analysis Method: 8270C Date Collected: 05/18/2011 11:20

Extract. Method: 3510C Date Extracted: 05/23/2011 17:26

Sample wt/vol: 1060 (mL) Date Analyzed: 05/31/2011 09:21

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.: 18006 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	44	J	47	3.9
208-96-8	Acenaphthylene	10	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	6.5	J	47	3.4
193-39-5	Indeno(1,2,3-c,d)pyrene	ND		47	4.4
91-20-3	Naphthalene	930		47	7.2
85-01-8	Phenanthrene	5.1	J	47	4.2
129-00-0	Pyrene	ND		47	3.2
91-57-6	2-Methylnaphthalene	43	J	47	5.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	63		46-120
321-60-8	2-Fluorobiphenyl	78		48-120
1718-51-0	p-Terphenyl-d14	86		24-136

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20110531-3546.b\W0475.D
 Lims ID: 480-5072-A-2-A Client ID: MW-3DR
 Inject. Date: 31-May-2011 09:21:30 Dil. Factor: 10.0000
 Sample Type: Client
 Sample ID: 480-0003546-006
 Misc. Info.: 480-5072-A-2-A =480-5072-A-2-A
 Operator: MKP Instrument ID: HP5973W
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 18006 Lims Sample ID: 6
 Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973W\20110531-3546.b\W-8270.m
 Last Update: 01-Jun-2011 15:01:31 Calib Date: 23-May-2011 17:08:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973W\20110523-3373.b\W0277.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: pagem

Date: 31-May-2011 11:22:24

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.318	5.318	0.0	97	148042	40.0	
* 2 Naphthalene-d8	136	7.070	7.070	0.0	92	611325	40.0	
* 3 Acenaphthene-d10	164	9.341	9.341	0.0	99	352886	40.0	
* 4 Phenanthrene-d10	188	11.088	11.088	0.0	98	602776	40.0	
* 5 Chrysene-d12	240	13.561	13.566	-0.005	94	611021	40.0	
* 6 Perylene-d12	264	14.736	14.736	0.0	99	633833	40.0	
\$ 9 Nitrobenzene-d5	82	6.098	6.098	0.0	88	38243	6.32	
\$ 10 2-Fluorobiphenyl	172	8.502	8.502	0.0	96	81839	7.78	
\$ 12 p-Terphenyl-d14	244	12.647	12.648	-0.001	92	109195	8.57	
107 Naphthalene	128	7.097	7.092	0.0	98	1522425	99.1	
137 Acenaphthylene	152	9.154	9.159	-0.005	68	15073	1.07	
141 Acenaphthene	153	9.378	9.383	-0.005	90	45138	4.67	
151 Fluorene	166	10.030	10.030	-0.005	45	7440	0.6898	
177 Phenanthrene	178	11.109	11.114	-0.005	2	9119	0.5394	
180 Anthracene	178		11.168					
191 Fluoranthene	202		12.295					
193 Pyrene	202		12.498					
205 Benzo[a]anthracene	228		13.561					
207 Chrysene	228		13.588					
209 Benzo[b]fluoranthene	252		14.421					
211 Benzo[k]fluoranthene	252		14.448					
213 Benzo[a]pyrene	252		14.688					
215 Indeno[1,2,3-cd]pyrene	276		15.703					
216 Dibenz(a,h)anthracene	278		15.714					
217 Benzo[g,h,i]perylene	276		15.981					
121 2-Methylnaphthalene	142	8.010	8.011	-0.006	83	44916	4.58	

Report Date: 06-Jul-2011 10:09:07

Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\Bufchrom\ChromData\HP5973W20110531-3546.b\W0475.D

Injection Date: 31-May-2011 09:21:30

Limit Group: MB - 8270C ICAL

Client ID: MW-3DR

Instrument ID: HP5973W

Lims Batch ID: 18006

Lims Sample ID: 6

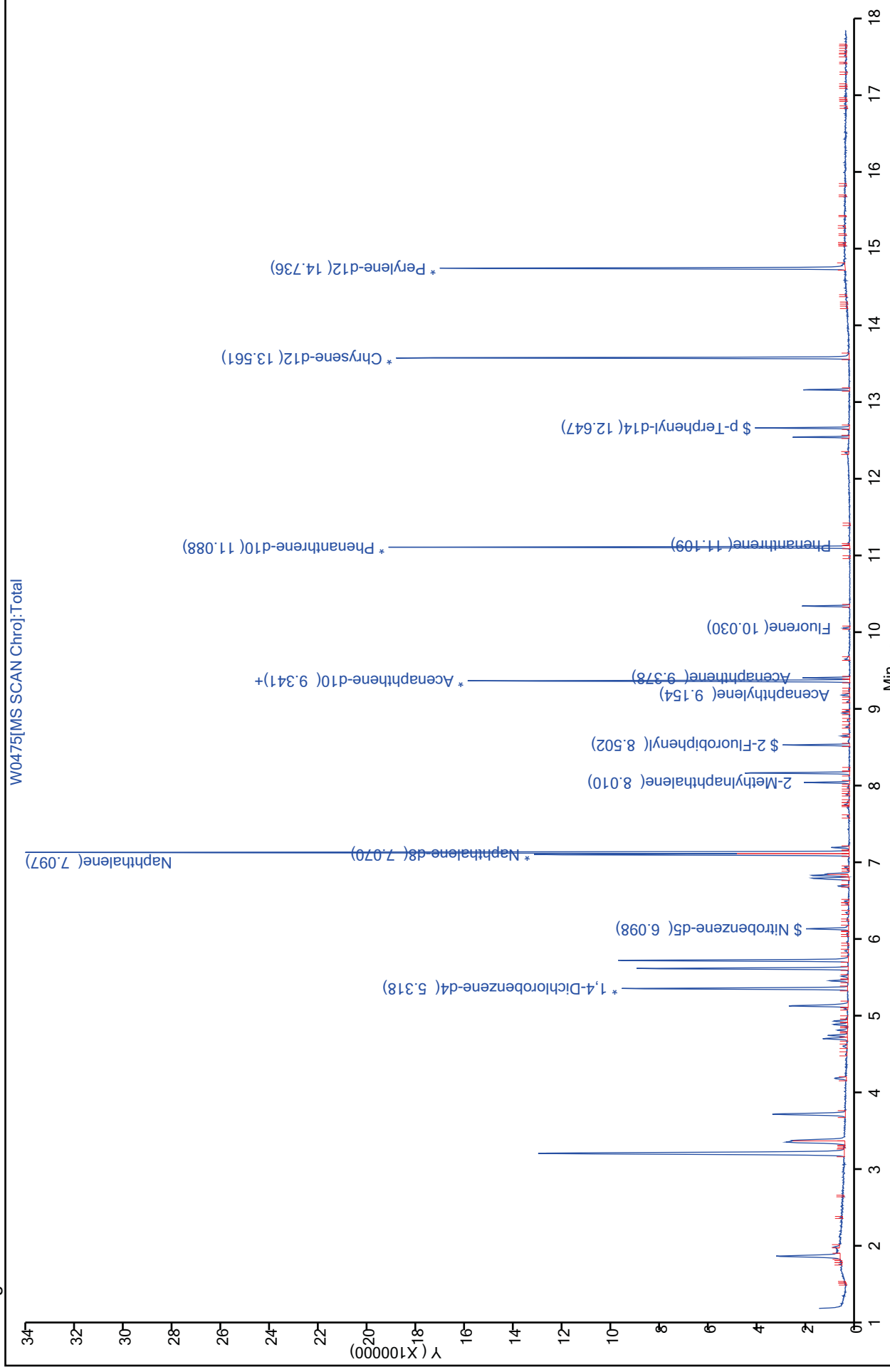
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



Report Date: 06-Jul-2011 10:09:07

Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\Bufchrom\ChromData\HP5973W\20110531-3546.b\W0475.D

Injection Date: 31-May-2011 09:21:30

Limit Group: MB - 8270C ICAL

Client ID: MW-3DR

Instrument ID: HP5973W

Lims Batch ID: 18006

Lims Sample ID: 6

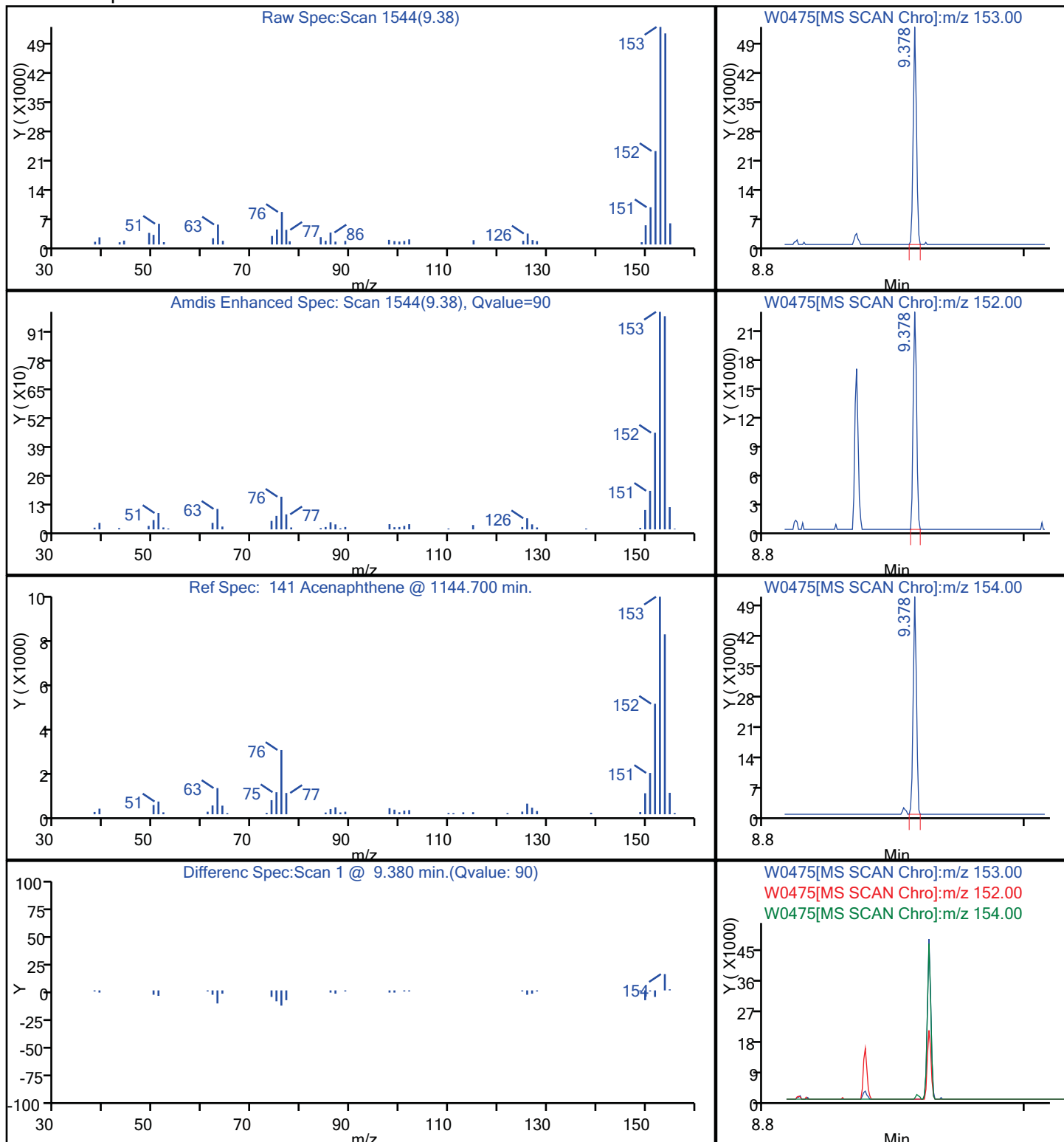
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

141 Acenaphthene



Report Date: 06-Jul-2011 10:09:07

Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\Bufchrom\ChromData\HP5973W\20110531-3546.b\W0475.D

Injection Date: 31-May-2011 09:21:30

Limit Group: MB - 8270C ICAL

Client ID: MW-3DR

Instrument ID: HP5973W

Lims Batch ID: 18006

Lims Sample ID: 6

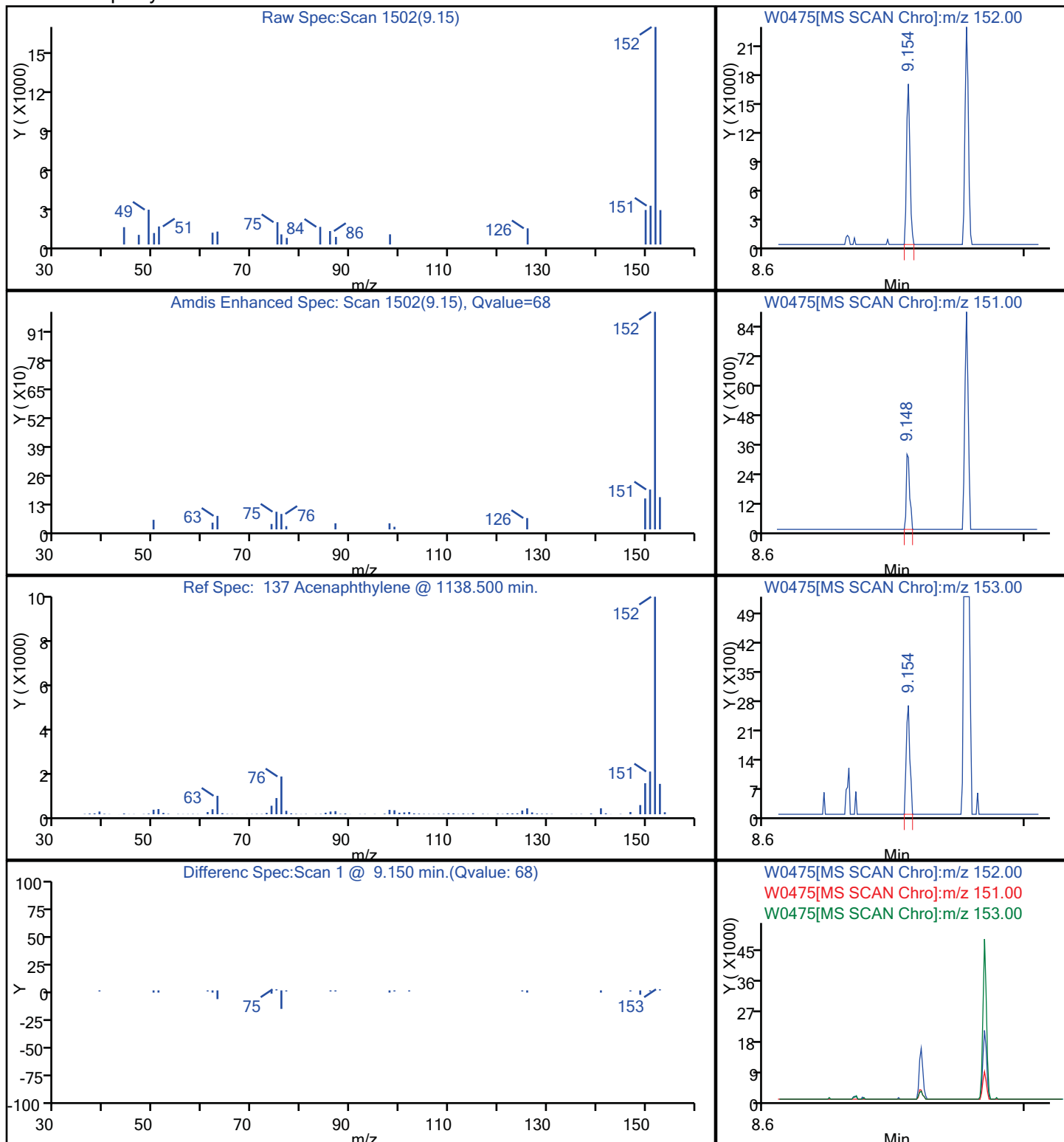
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

137 Acenaphthylene



Data File: \\Bufchrom\ChromData\HP5973W\20110531-3546.b\W0475.D

Injection Date: 31-May-2011 09:21:30

Limit Group: MB - 8270C ICAL

Client ID: MW-3DR

Instrument ID: HP5973W

Lims Batch ID: 18006

Lims Sample ID: 6

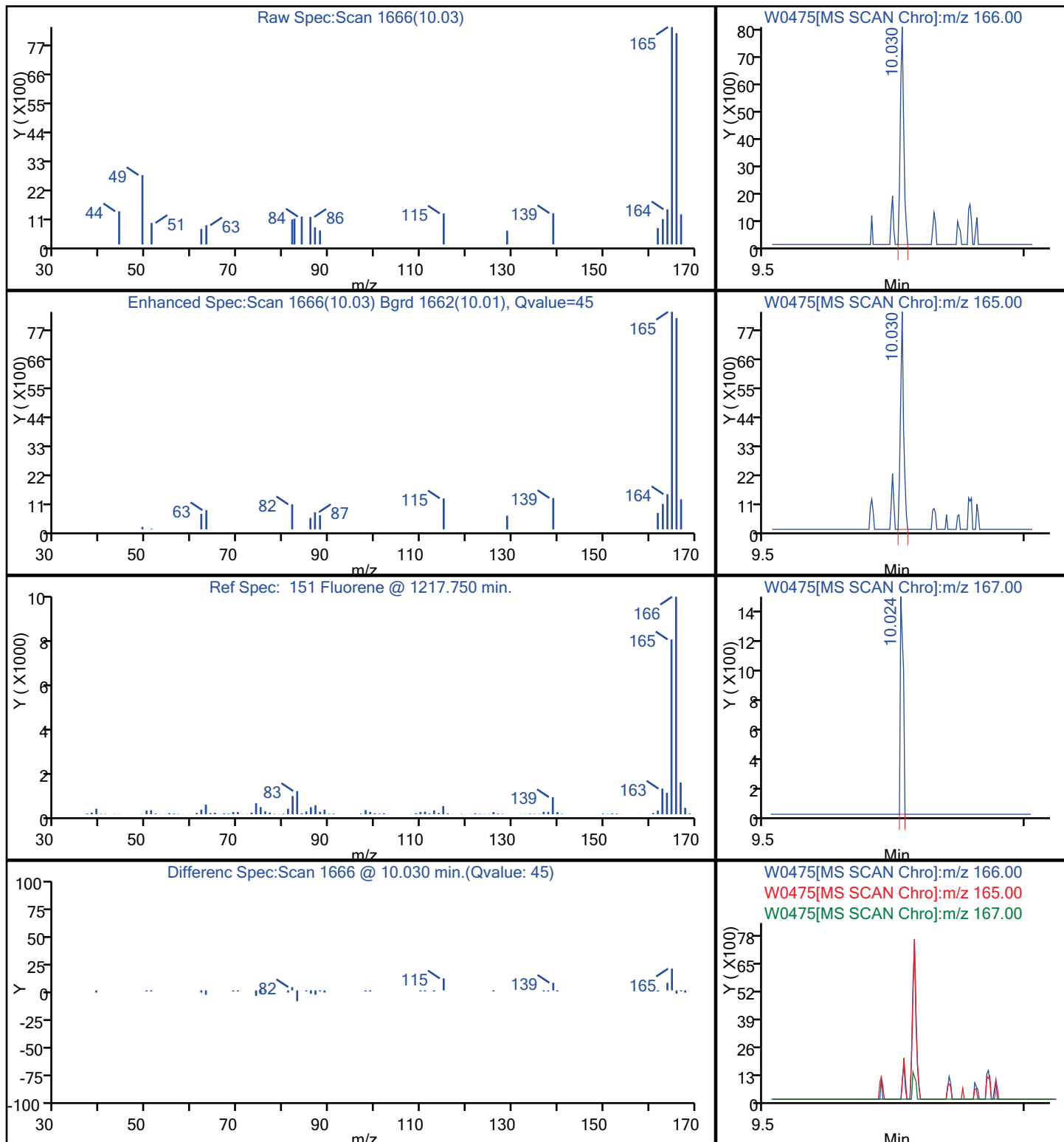
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

151 Fluorene



Report Date: 06-Jul-2011 10:09:07

Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\Bufchrom\ChromData\HP5973W\20110531-3546.b\W0475.D

Injection Date: 31-May-2011 09:21:30

Limit Group: MB - 8270C ICAL

Client ID: MW-3DR

Instrument ID: HP5973W

Lims Batch ID: 18006

Lims Sample ID: 6

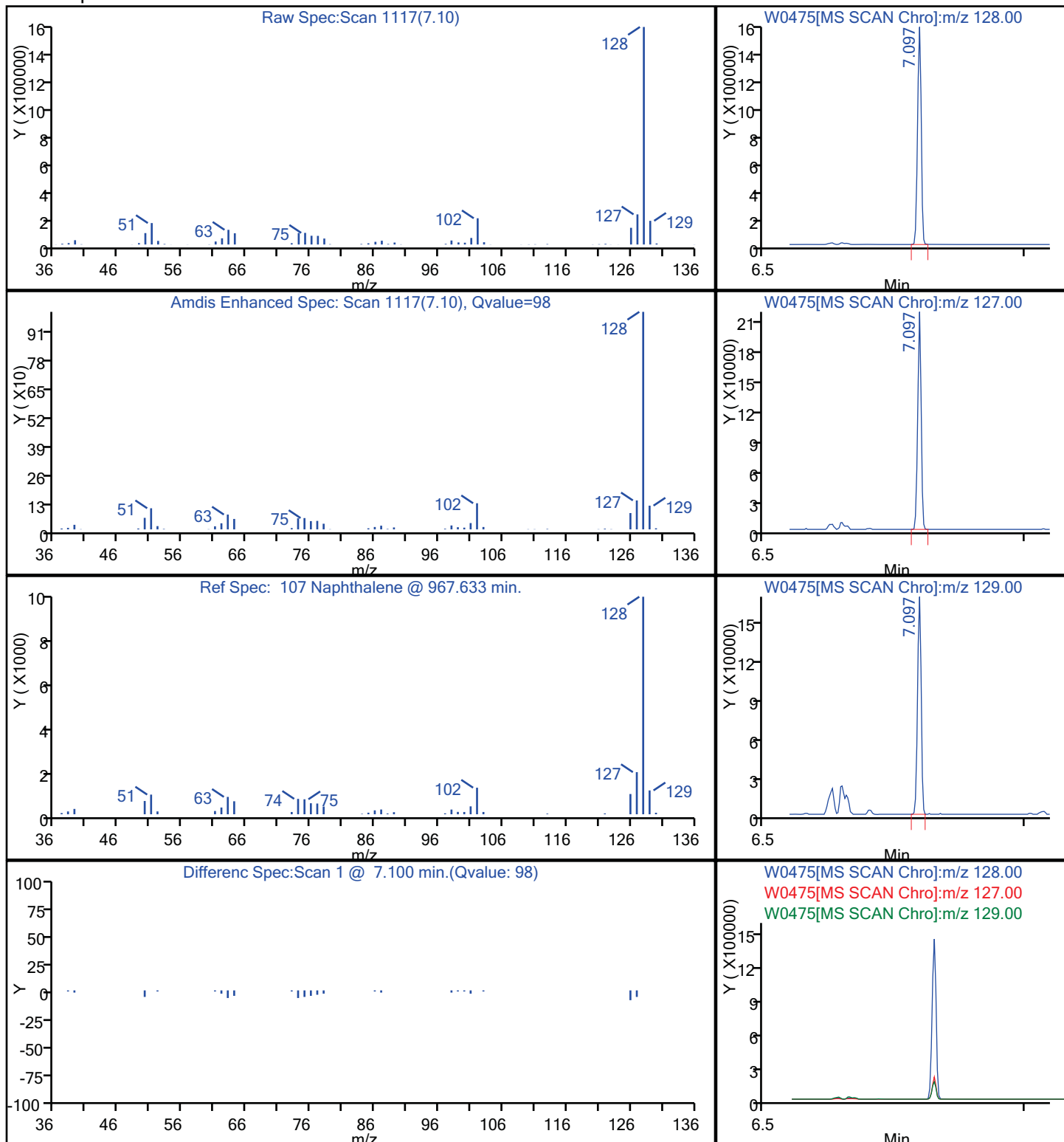
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

107 Naphthalene



Report Date: 06-Jul-2011 10:09:07

Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\Bufchrom\ChromData\HP5973W\20110531-3546.b\W0475.D

Injection Date: 31-May-2011 09:21:30

Limit Group: MB - 8270C ICAL

Client ID: MW-3DR

Instrument ID: HP5973W

Lims Batch ID: 18006

Lims Sample ID: 6

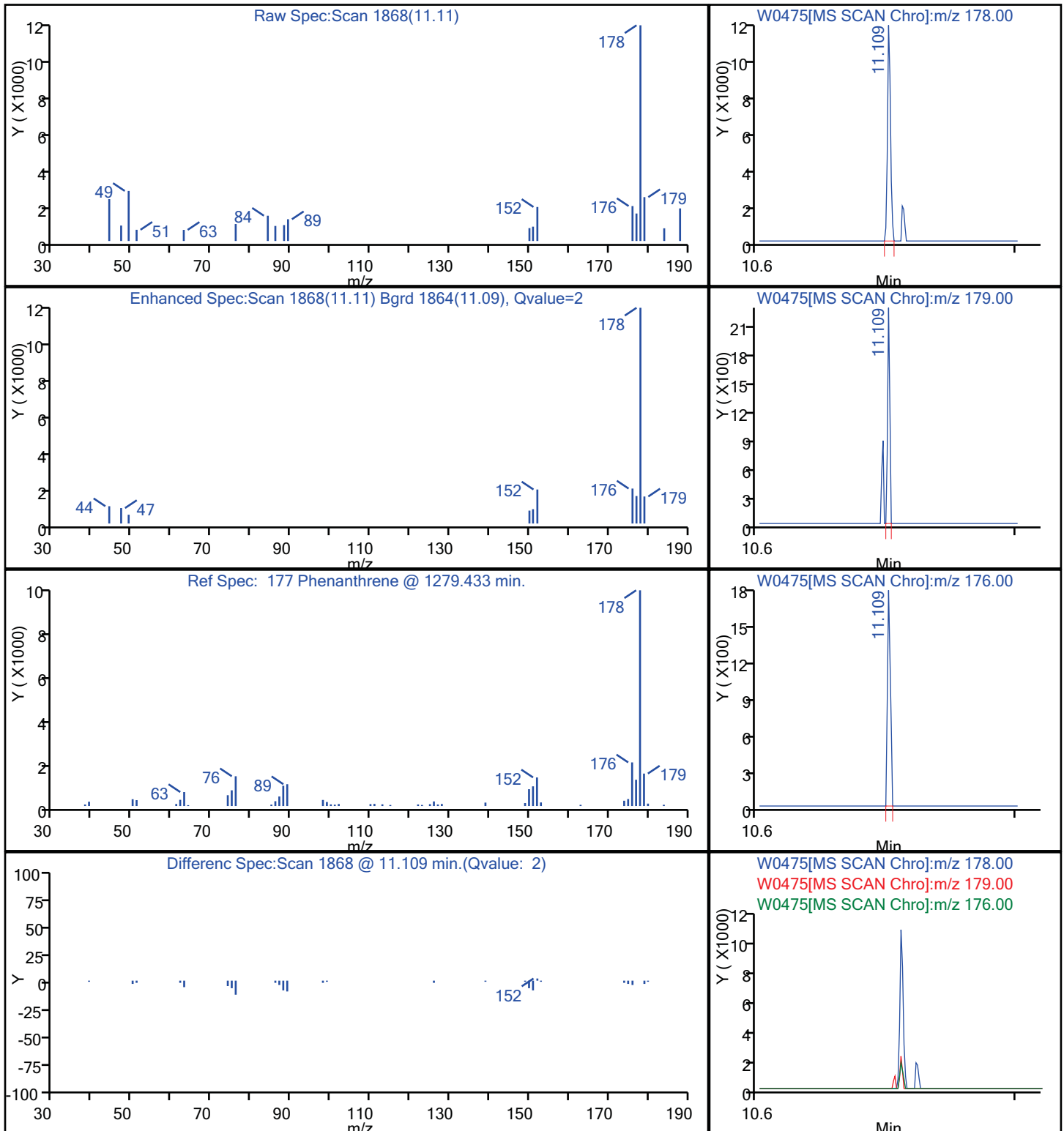
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

177 Phenanthrene



Report Date: 06-Jul-2011 10:09:07

Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\Bufchrom\ChromData\HP5973W\20110531-3546.b\W0475.D

Injection Date: 31-May-2011 09:21:30

Limit Group: MB - 8270C ICAL

Client ID: MW-3DR

Instrument ID: HP5973W

Lims Batch ID: 18006

Lims Sample ID: 6

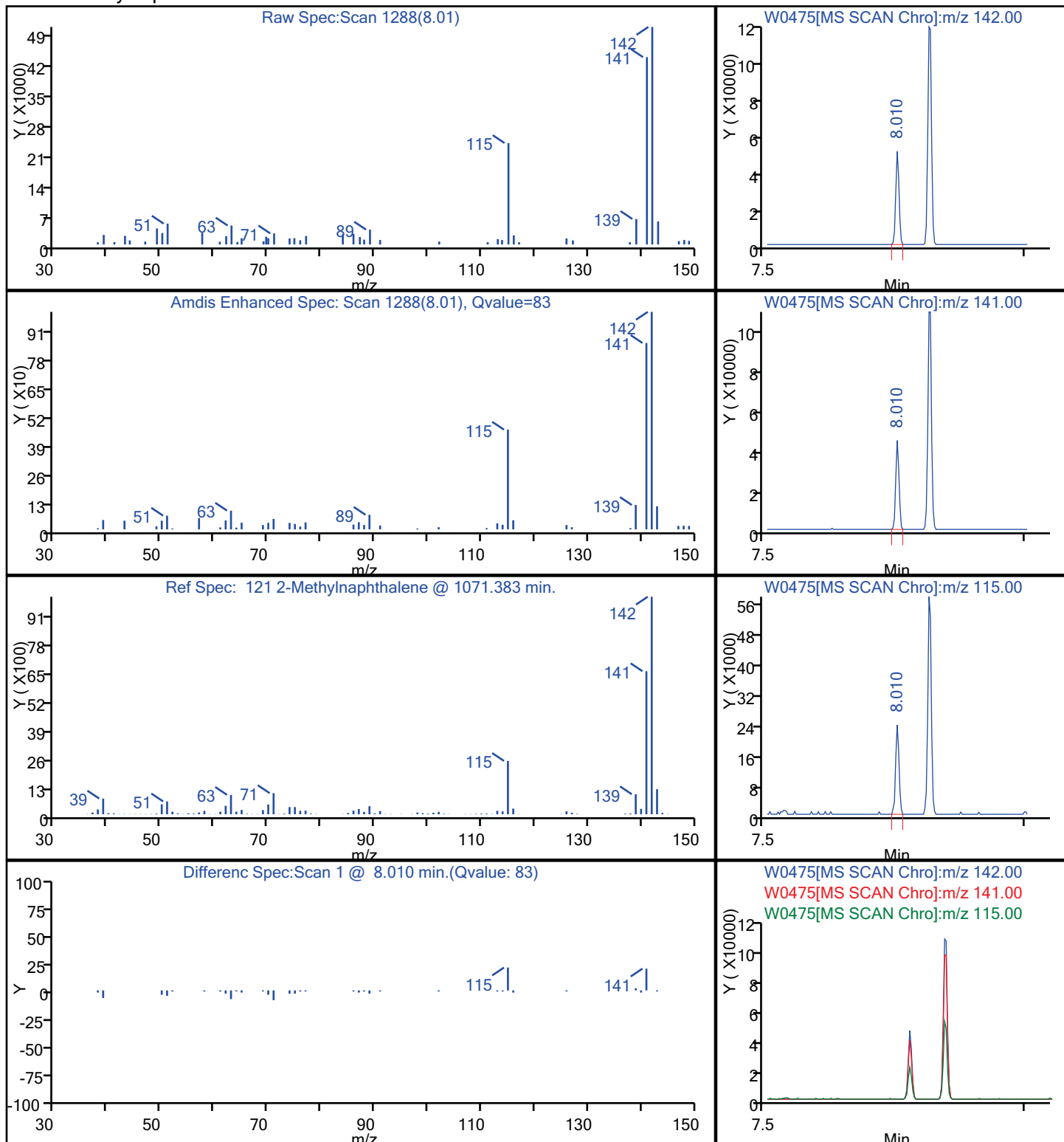
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

121 2-Methylnaphthalene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
 SDG No.: _____
 Client Sample ID: MW-3DR DUP Lab Sample ID: 480-5072-3
 Matrix: Water Lab File ID: W0453.D
 Analysis Method: 8270C Date Collected: 05/18/2011 11:20
 Extract. Method: 3510C Date Extracted: 05/23/2011 17:26
 Sample wt/vol: 1060 (mL) Date Analyzed: 05/27/2011 15:53
 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.: 17774 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	53		4.7	0.39
208-96-8	Acenaphthylene	14		4.7	0.36
120-12-7	Anthracene	0.93	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	8.8		4.7	0.34
193-39-5	Indeno (1, 2, 3-c, d) pyrene	ND		4.7	0.44
91-20-3	Naphthalene	690	E	4.7	0.72
85-01-8	Phenanthrene	6.6		4.7	0.42
129-00-0	Pyrene	ND		4.7	0.32
91-57-6	2-Methylnaphthalene	52		4.7	0.57

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	81		46-120
321-60-8	2-Fluorobiphenyl	92		48-120
1718-51-0	p-Terphenyl-d14	98		24-136

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20110527-3501.b\W0453.D
 Lims ID: 480-5072-B-3-A Client ID: MW-3DR DUP
 Inject. Date: 27-May-2011 15:53:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-0003501-018
 Misc. Info.: 480-5072-B-3-A =480-5072-B-3-A
 Operator: MKP Instrument ID: HP5973W
 Vol. Injected: 1.0000 ALS Bottle#: 15
 Lims Batch ID: 17774 Lims Sample ID: 18
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973W\20110527-3501.b\W-8270.m
 Last Update: 31-May-2011 11:17:45 Calib Date: 23-May-2011 17:08:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973W\20110523-3373.b\W0277.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: pagem

Date: 31-May-2011 11:06:59

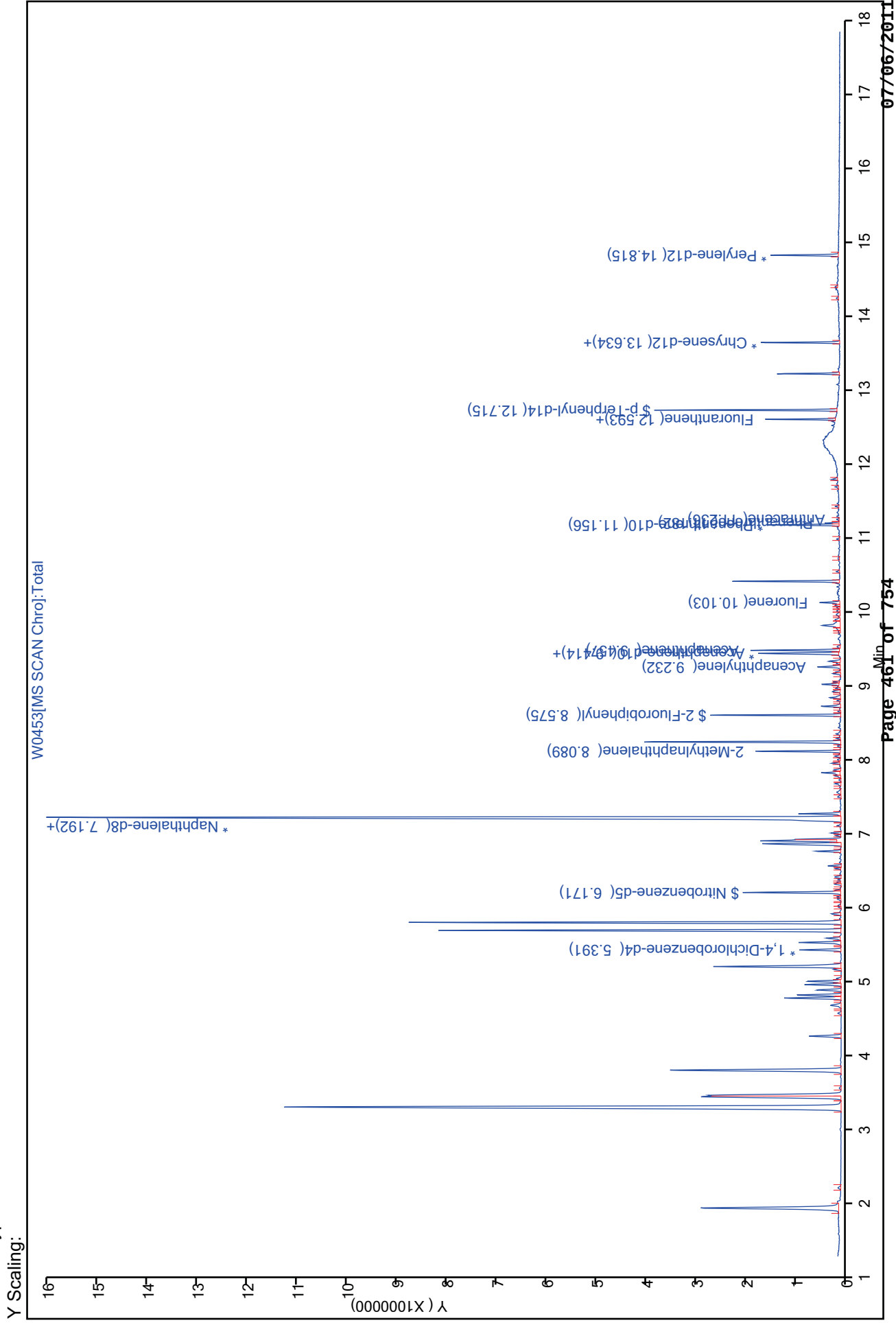
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.391	5.397	-0.006	96	133794	40.0	
* 2 Naphthalene-d8	136	7.149	7.144	0.005	70	517661	40.0	
* 3 Acenaphthene-d10	164	9.419	9.414	0.005	98	289589	40.0	
* 4 Phenanthrene-d10	188	11.156	11.156	0.0	98	505056	40.0	
* 5 Chrysene-d12	240	13.634	13.629	0.005	97	508530	40.0	
* 6 Perylene-d12	264	14.815	14.815	0.0	99	521719	40.0	
\$ 9 Nitrobenzene-d5	82	6.171	6.171	0.0	89	416367	81.3	
\$ 10 2-Fluorobiphenyl	172	8.575	8.575	0.0	99	796335	92.2	
\$ 12 p-Terphenyl-d14	244	12.715	12.715	-0.001	97	1036906	97.7	
107 Naphthalene	128	7.192	7.170	0.022	96	9555939	734.6	E
137 Acenaphthylene	152	9.232	9.232	0.0	87	170750	14.8	
141 Acenaphthene	153	9.457	9.457	0.0	92	441840	55.8	
151 Fluorene	166	10.103	10.103	0.0	91	82581	9.33	
177 Phenanthrene	178	11.182	11.182	0.0	89	98972	6.99	
180 Anthracene	178	11.236	11.236	0.0	66	13985	0.9866	
191 Fluoranthene	202	12.358	12.358	0.0	39	3716	0.2311	
193 Pyrene	202	12.566	12.566	0.0	40	5376	0.3292	
205 Benzo[a]anthracene	228		13.624					
207 Chrysene	228		13.656					
209 Benzo[b]fluoranthene	252		14.500					
211 Benzo[k]fluoranthene	252		14.521					
213 Benzo[a]pyrene	252		14.772					
215 Indeno[1,2,3-cd]pyrene	276		15.814					
216 Dibenz(a,h)anthracene	278		15.819					
217 Benzo[g,h,i]perylene	276		16.097					
121 2-Methylnaphthalene	142	8.089	8.084	0.0	88	453931	54.7	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Report Date: 06-Jul-2011 10:05:40
Data File: \\Bufchrom\ChromData\HP5973W20110527-3501.b\W0453.D
Injection Date: 27-May-2011 15:53:30
Client ID: MW-3DR DUP
Lims Batch ID: 17774
Operator ID: MKP
Column Type: RXI-5Sil MS
Chrom Revision: 1.2 30-Jun-2011 15:02:28
Limit Group: MB - 8270C ICAL
Instrument ID: HP5973W
Lims Sample ID: 18
Injection Vol: 1.00 ul
Column Dia: 0.25 mm



Data File: \\Bufchrom\ChromData\HP5973W\20110527-3501.b\W0453.D

Injection Date: 27-May-2011 15:53:30

Limit Group: MB - 8270C ICAL

Client ID: MW-3DR DUP

Instrument ID: HP5973W

Lims Batch ID: 17774

Lims Sample ID: 18

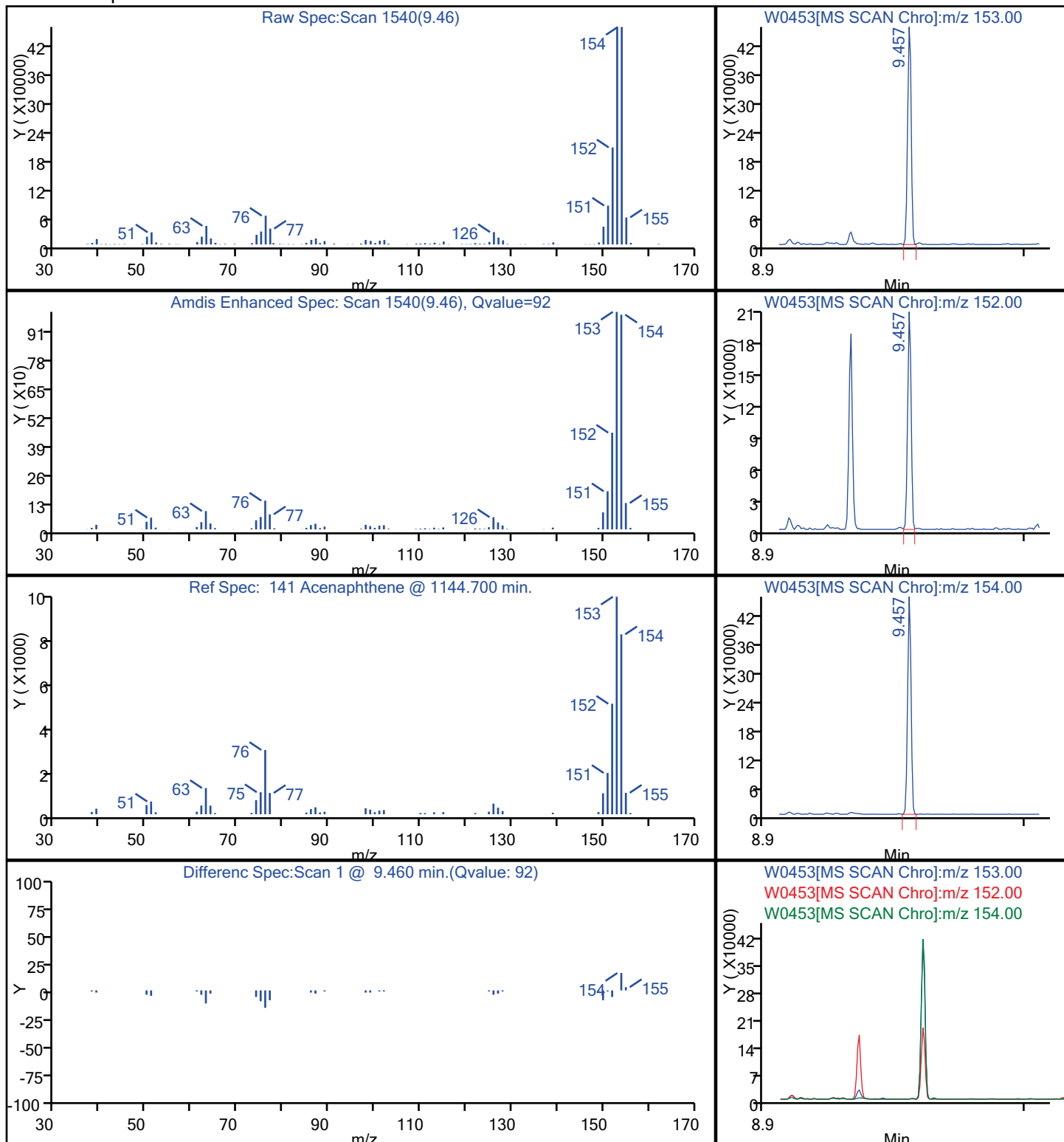
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

141 Acenaphthene



Report Date: 06-Jul-2011 10:05:40

Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\Bufchrom\ChromData\HP5973W\20110527-3501.b\W0453.D

Injection Date: 27-May-2011 15:53:30

Limit Group: MB - 8270C ICAL

Client ID: MW-3DR DUP

Instrument ID: HP5973W

Lims Batch ID: 17774

Lims Sample ID: 18

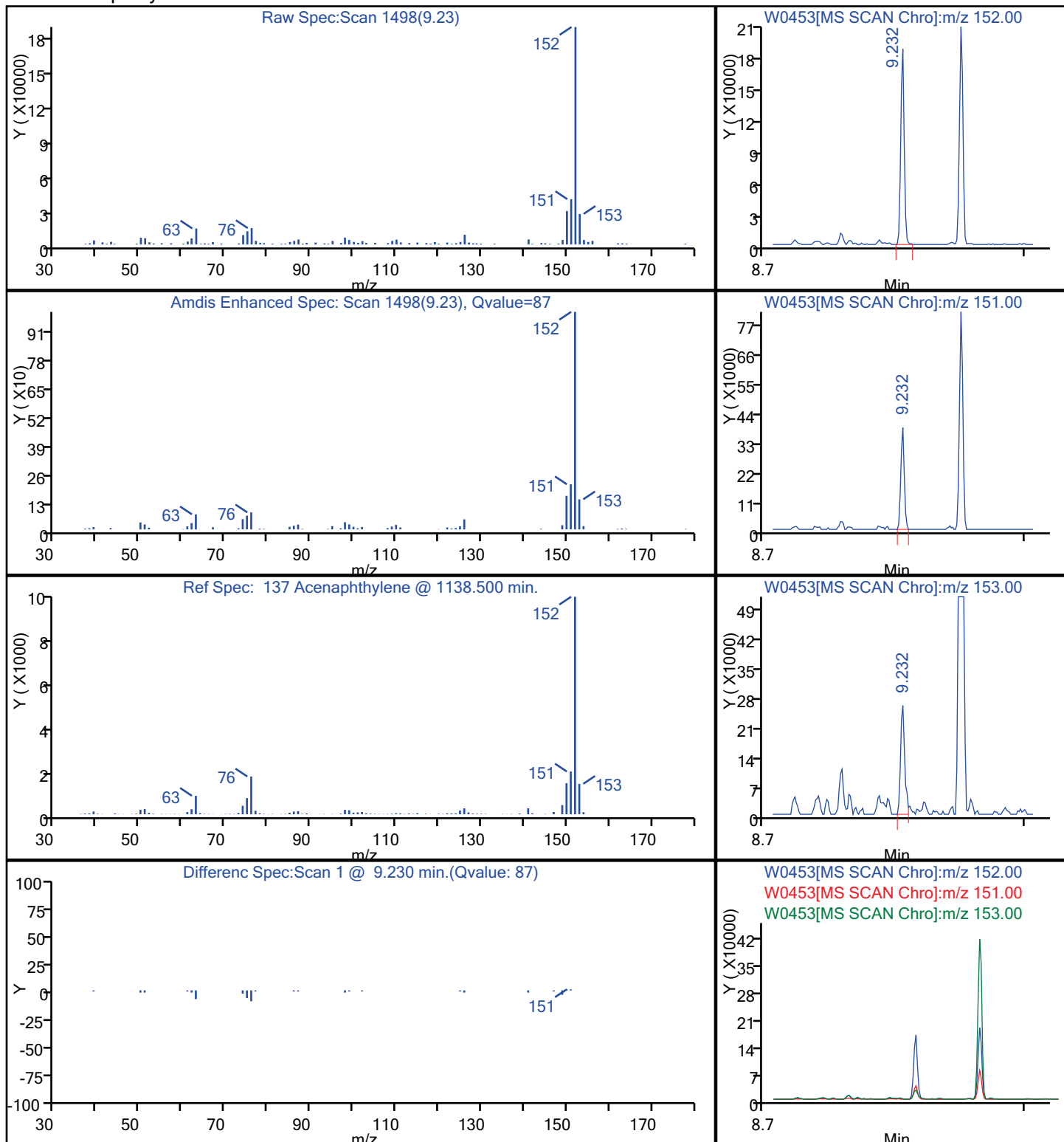
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

137 Acenaphthylene



Report Date: 06-Jul-2011 10:05:40

Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\Bufchrom\ChromData\HP5973W\20110527-3501.b\W0453.D

Injection Date: 27-May-2011 15:53:30

Limit Group: MB - 8270C ICAL

Client ID: MW-3DR DUP

Instrument ID: HP5973W

Lims Batch ID: 17774

Lims Sample ID: 18

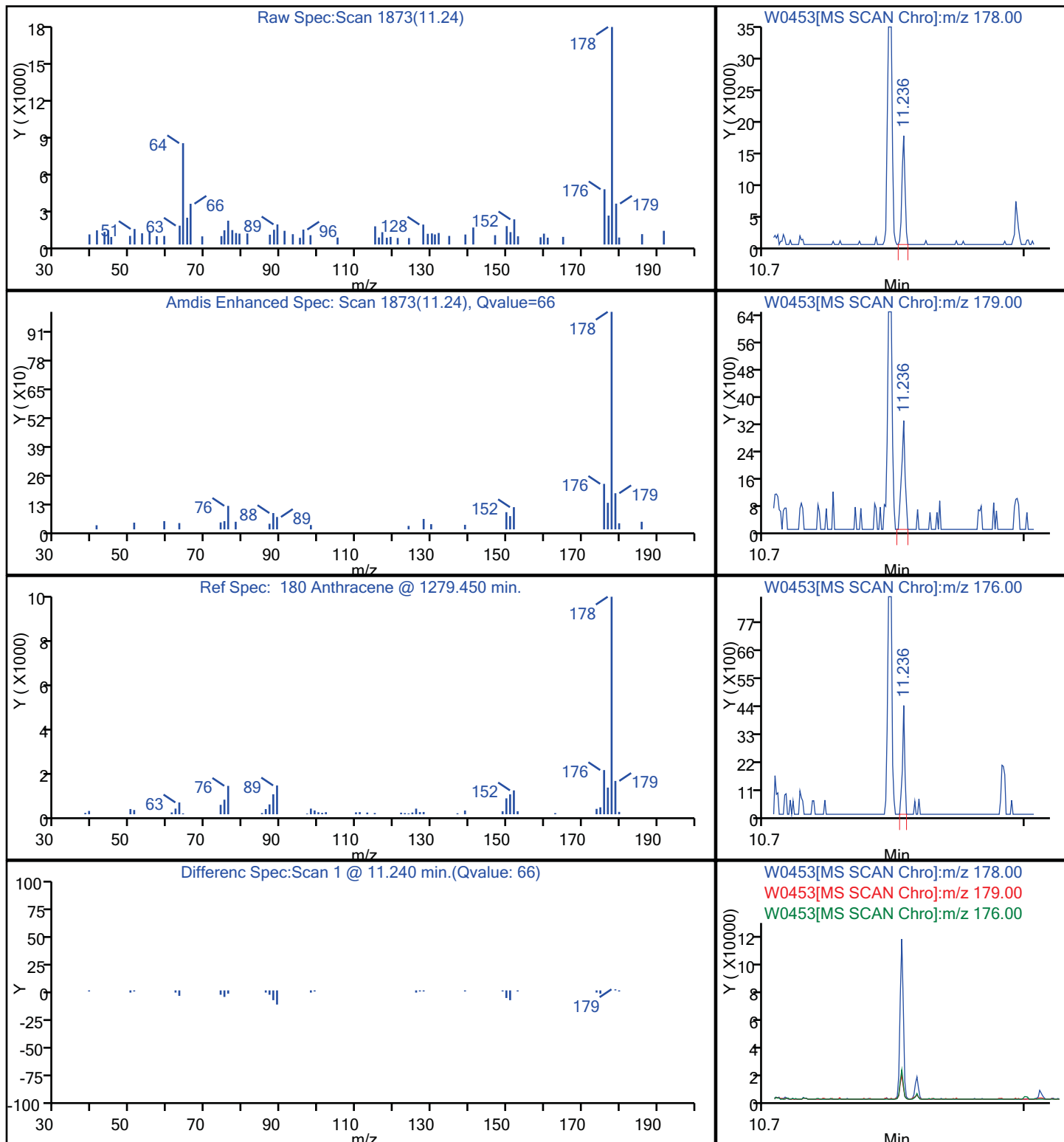
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

180 Anthracene



Data File: \\Bufchrom\ChromData\HP5973W\20110527-3501.b\W0453.D

Injection Date: 27-May-2011 15:53:30

Limit Group: MB - 8270C ICAL

Client ID: MW-3DR DUP

Instrument ID: HP5973W

Lims Batch ID: 17774

Lims Sample ID: 18

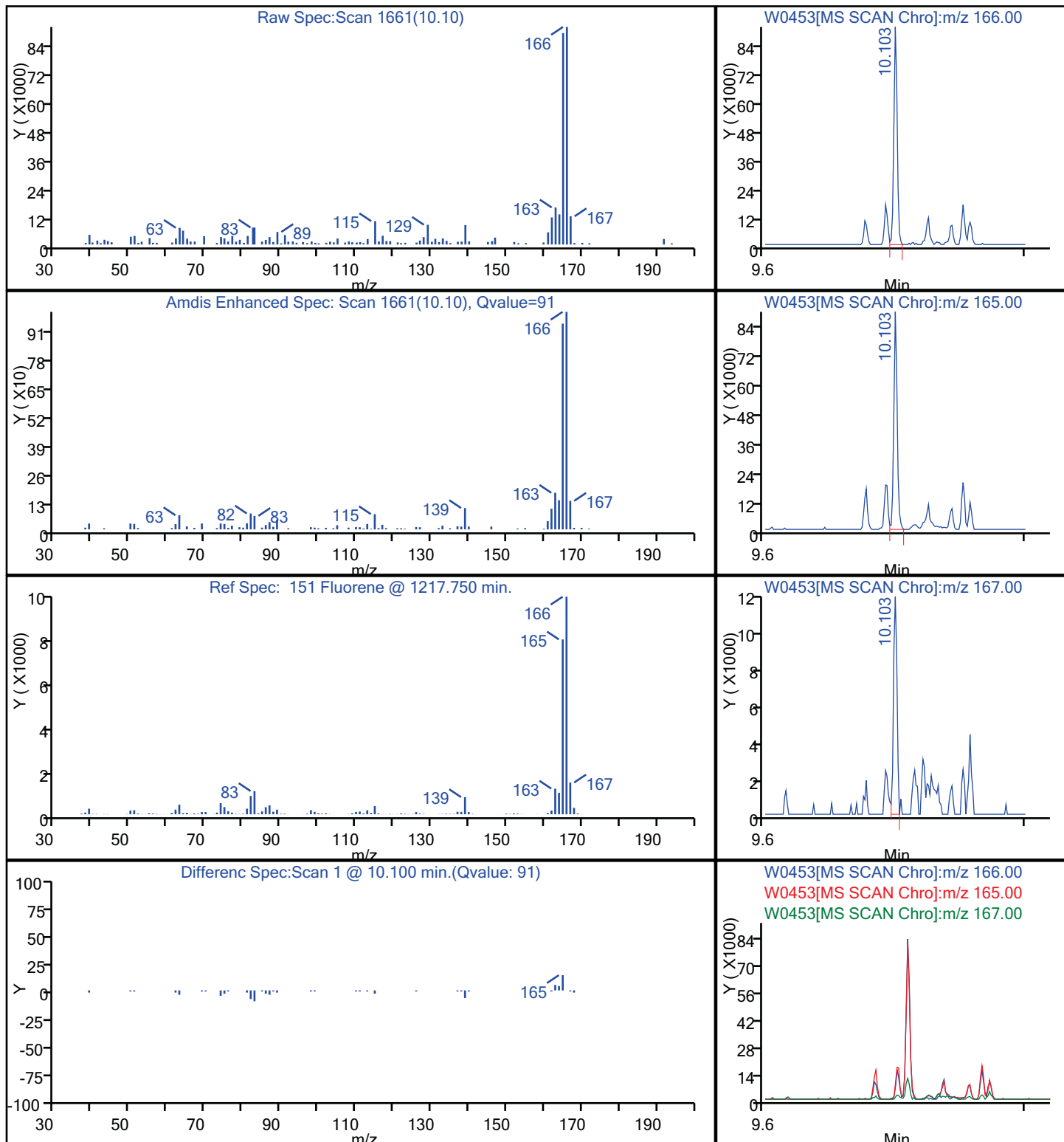
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

151 Fluorene



Data File: \\Bufchrom\ChromData\HP5973W\20110527-3501.b\W0453.D

Injection Date: 27-May-2011 15:53:30

Limit Group: MB - 8270C ICAL

Client ID: MW-3DR DUP

Instrument ID: HP5973W

Lims Batch ID: 17774

Lims Sample ID: 18

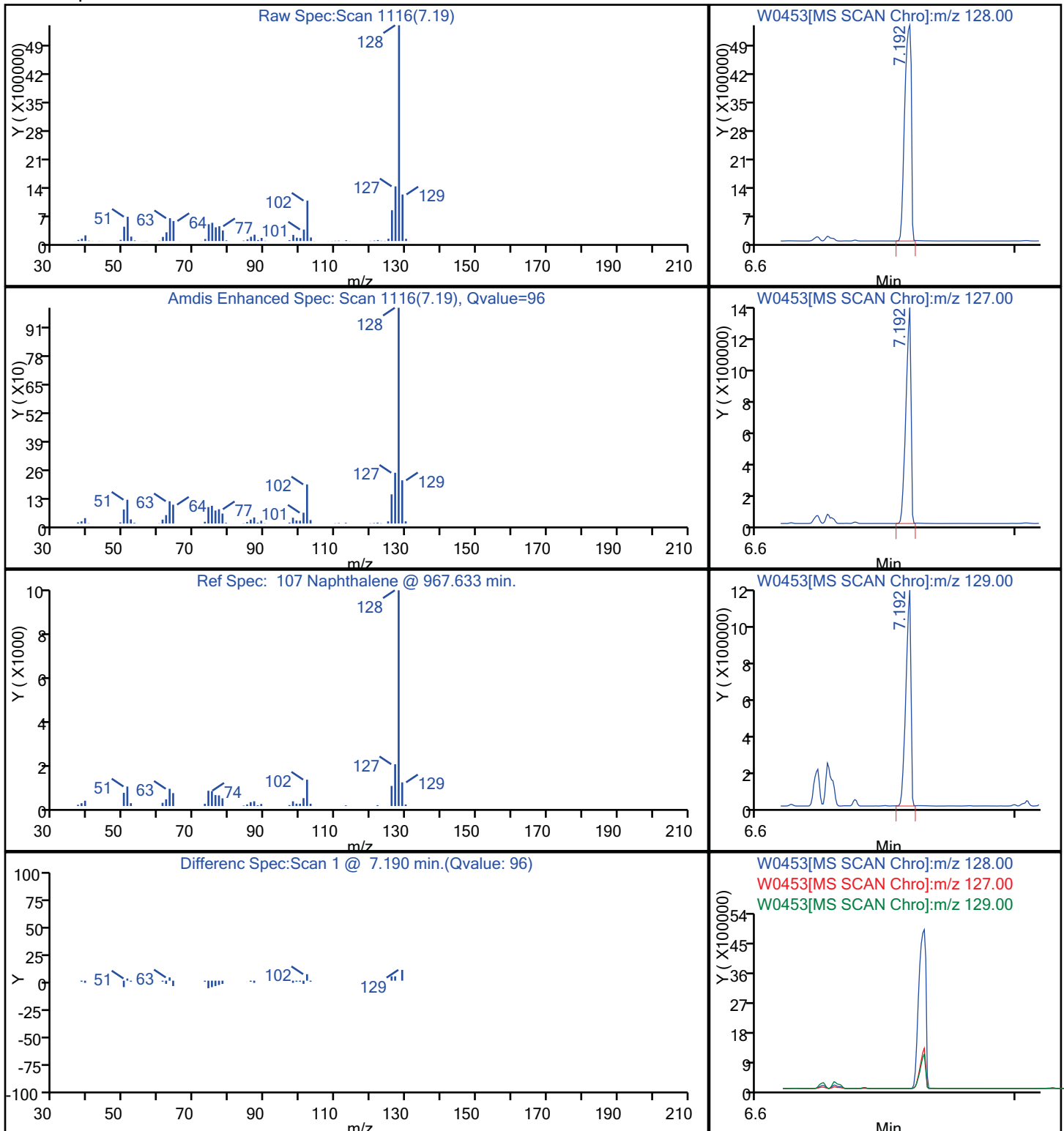
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

107 Naphthalene



Report Date: 06-Jul-2011 10:05:40

Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\Bufchrom\ChromData\HP5973W\20110527-3501.b\W0453.D

Injection Date: 27-May-2011 15:53:30

Limit Group: MB - 8270C ICAL

Client ID: MW-3DR DUP

Instrument ID: HP5973W

Lims Batch ID: 17774

Lims Sample ID: 18

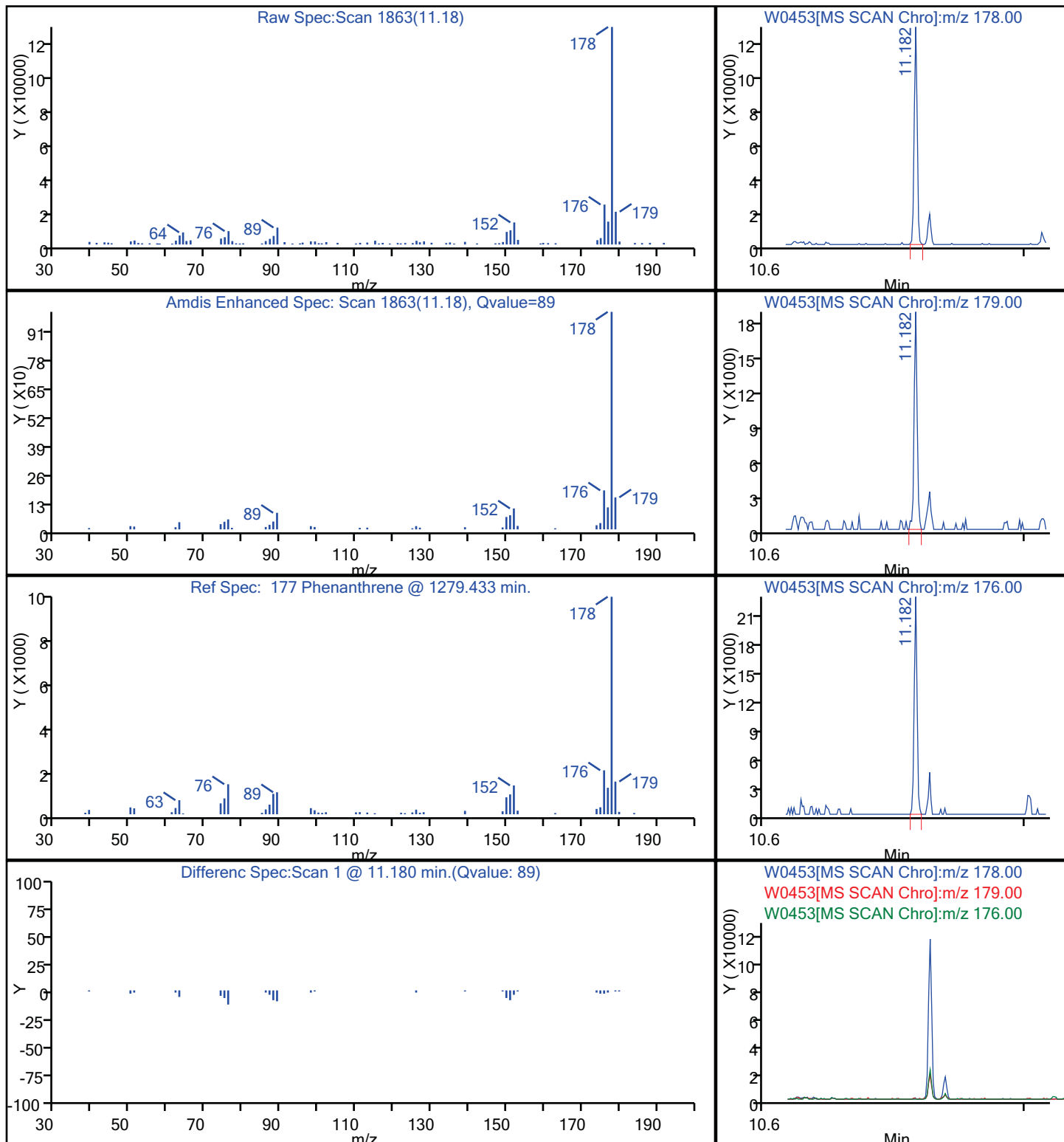
Operator ID: MKP

Injection Vol: 1.00 ul

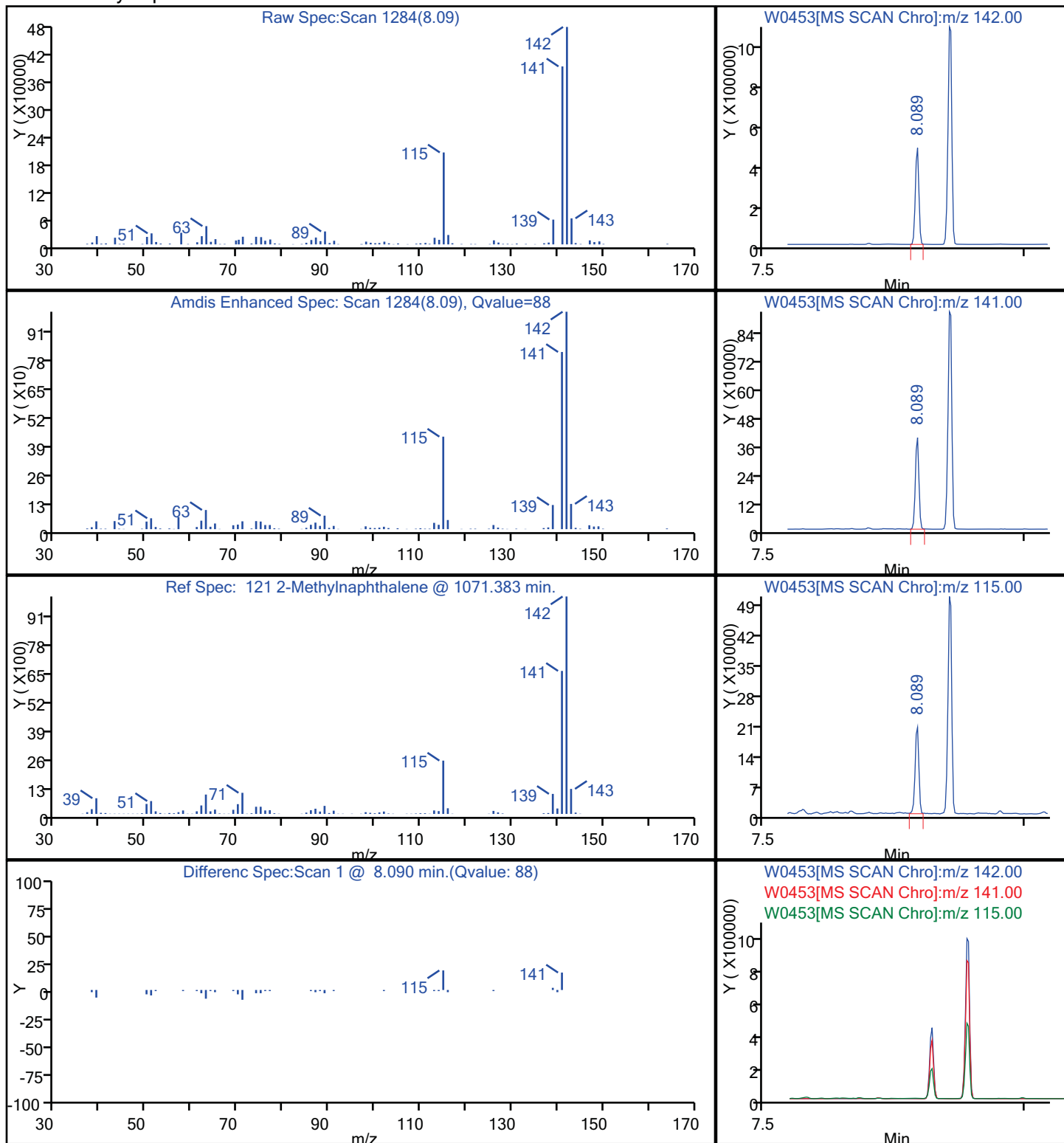
Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

177 Phenanthrene



121 2-Methylnaphthalene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-5072-1</u>
SDG No.: _____	
Client Sample ID: <u>MW-3DR DUP DL</u>	Lab Sample ID: <u>480-5072-3 DL</u>
Matrix: <u>Water</u>	Lab File ID: <u>W0476.D</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>05/18/2011 11:20</u>
Extract. Method: <u>3510C</u>	Date Extracted: <u>05/23/2011 17:26</u>
Sample wt/vol: <u>1060 (mL)</u>	Date Analyzed: <u>05/31/2011 09:44</u>
Con. Extract Vol.: <u>1 (mL)</u>	Dilution Factor: <u>10</u>
Injection Volume: <u>1 (uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>18006</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	44	J	47	3.9
208-96-8	Acenaphthylene	10	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	6.5	J	47	3.4
193-39-5	Indeno(1,2,3-c,d)pyrene	ND		47	4.4
91-20-3	Naphthalene	940		47	7.2
85-01-8	Phenanthrene	5.1	J	47	4.2
129-00-0	Pyrene	ND		47	3.2
91-57-6	2-Methylnaphthalene	43	J	47	5.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	64		46-120
321-60-8	2-Fluorobiphenyl	77		48-120
1718-51-0	p-Terphenyl-d14	85		24-136

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20110531-3546.b\W0476.D
 Lims ID: 480-5072-B-3-A Client ID: MW-3DR DUP
 Inject. Date: 31-May-2011 09:44:30 Dil. Factor: 10.0000
 Sample Type: Client
 Sample ID: 480-0003546-007
 Misc. Info.: 480-5072-B-3-A =480-5072-B-3-A
 Operator: MKP Instrument ID: HP5973W
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 18006 Lims Sample ID: 7
 Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973W\20110531-3546.b\W-8270.m
 Last Update: 01-Jun-2011 15:01:31 Calib Date: 23-May-2011 17:08:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973W\20110523-3373.b\W0277.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: pagem

Date: 31-May-2011 11:23:02

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.318	5.318	0.0	96	147001	40.0	
* 2 Naphthalene-d8	136	7.070	7.070	0.0	93	602285	40.0	
* 3 Acenaphthene-d10	164	9.341	9.341	0.0	99	345167	40.0	
* 4 Phenanthrene-d10	188	11.088	11.088	0.0	98	584139	40.0	
* 5 Chrysene-d12	240	13.566	13.566	0.0	94	586418	40.0	
* 6 Perylene-d12	264	14.736	14.736	0.0	99	611697	40.0	
\$ 9 Nitrobenzene-d5	82	6.098	6.098	0.0	88	38175	6.40	
\$ 10 2-Fluorobiphenyl	172	8.502	8.502	0.0	97	79445	7.72	
\$ 12 p-Terphenyl-d14	244	12.647	12.648	-0.001	92	104657	8.55	
107 Naphthalene	128	7.097	7.092	0.0	98	1500888	99.2	
137 Acenaphthylene	152	9.154	9.159	-0.005	60	15050	1.09	
141 Acenaphthene	153	9.378	9.383	-0.005	88	43875	4.65	
151 Fluorene	166	10.030	10.030	-0.005	49	7245	0.6868	
177 Phenanthrene	178	11.114	11.114	0.0	1	8929	0.5450	
180 Anthracene	178		11.168					
191 Fluoranthene	202		12.295					
193 Pyrene	202		12.498					
205 Benzo[a]anthracene	228		13.561					
207 Chrysene	228		13.588					
209 Benzo[b]fluoranthene	252		14.421					
211 Benzo[k]fluoranthene	252		14.448					
213 Benzo[a]pyrene	252		14.688					
215 Indeno[1,2,3-cd]pyrene	276		15.703					
216 Dibenz(a,h)anthracene	278		15.714					
217 Benzo[g,h,i]perylene	276		15.981					
121 2-Methylnaphthalene	142	8.010	8.011	-0.006	84	43517	4.51	

Report Date: 06-Jul-2011 10:09:31

Data File:

Injection Date: 31-May-2011 09:44:30

Client ID:

Lims Batch ID: 18006

Operator ID: MKP

Column Type: RXI-5Sil MS

Chrom Revision: 1.2 30-Jun-2011 15:02:28

Injection Group: MB - 8270C ICAL

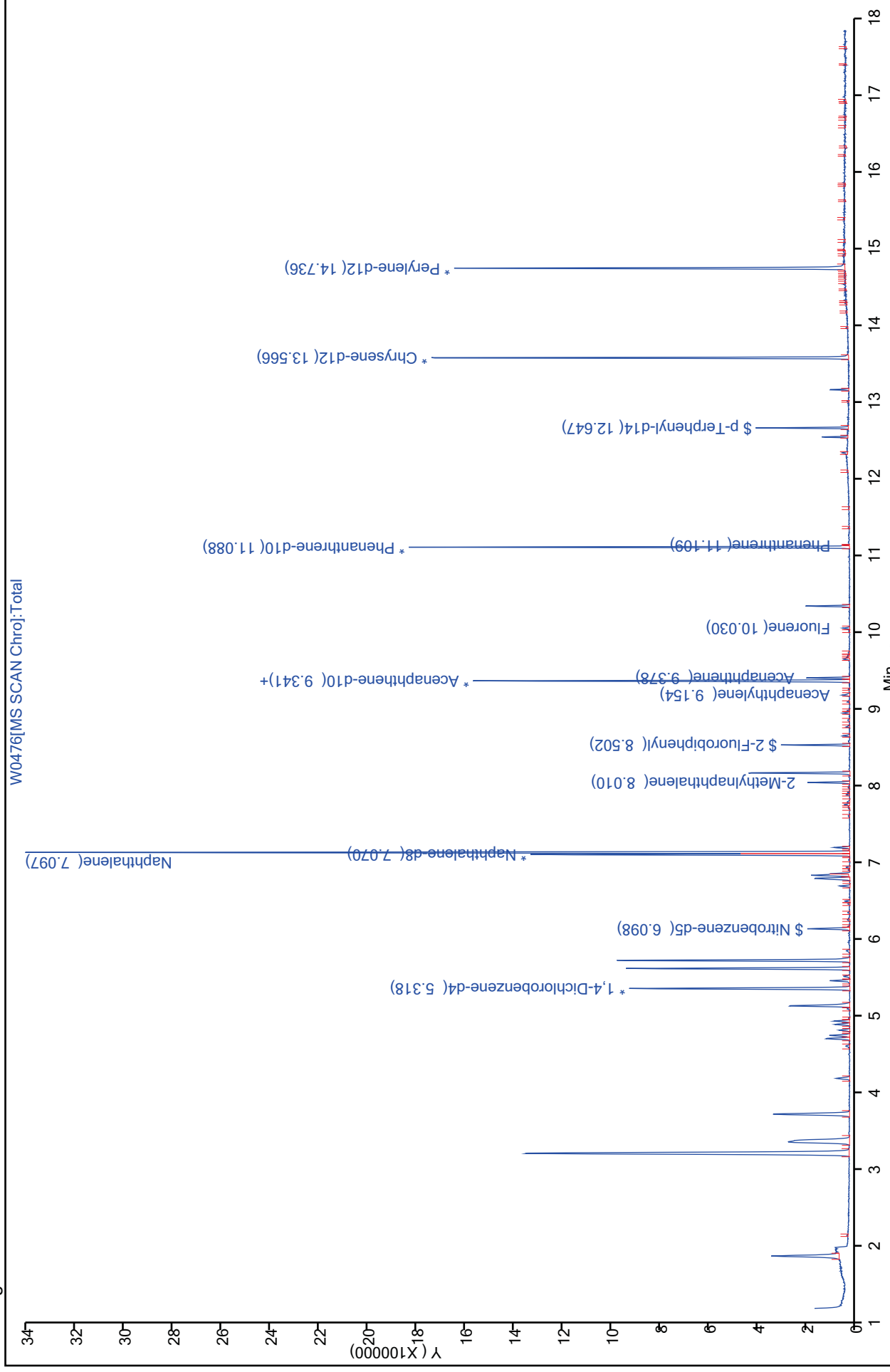
Instrument ID: HP5973W

Lims Sample ID: 7

Injection Vol: 1.00 ul

Column Dia: 0.25 mm

Y Scaling:



Report Date: 06-Jul-2011 10:09:31

Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\Bufchrom\ChromData\HP5973W\20110531-3546.b\W0476.D

Injection Date: 31-May-2011 09:44:30

Limit Group: MB - 8270C ICAL

Client ID: MW-3DR DUP

Instrument ID: HP5973W

Lims Batch ID: 18006

Lims Sample ID: 7

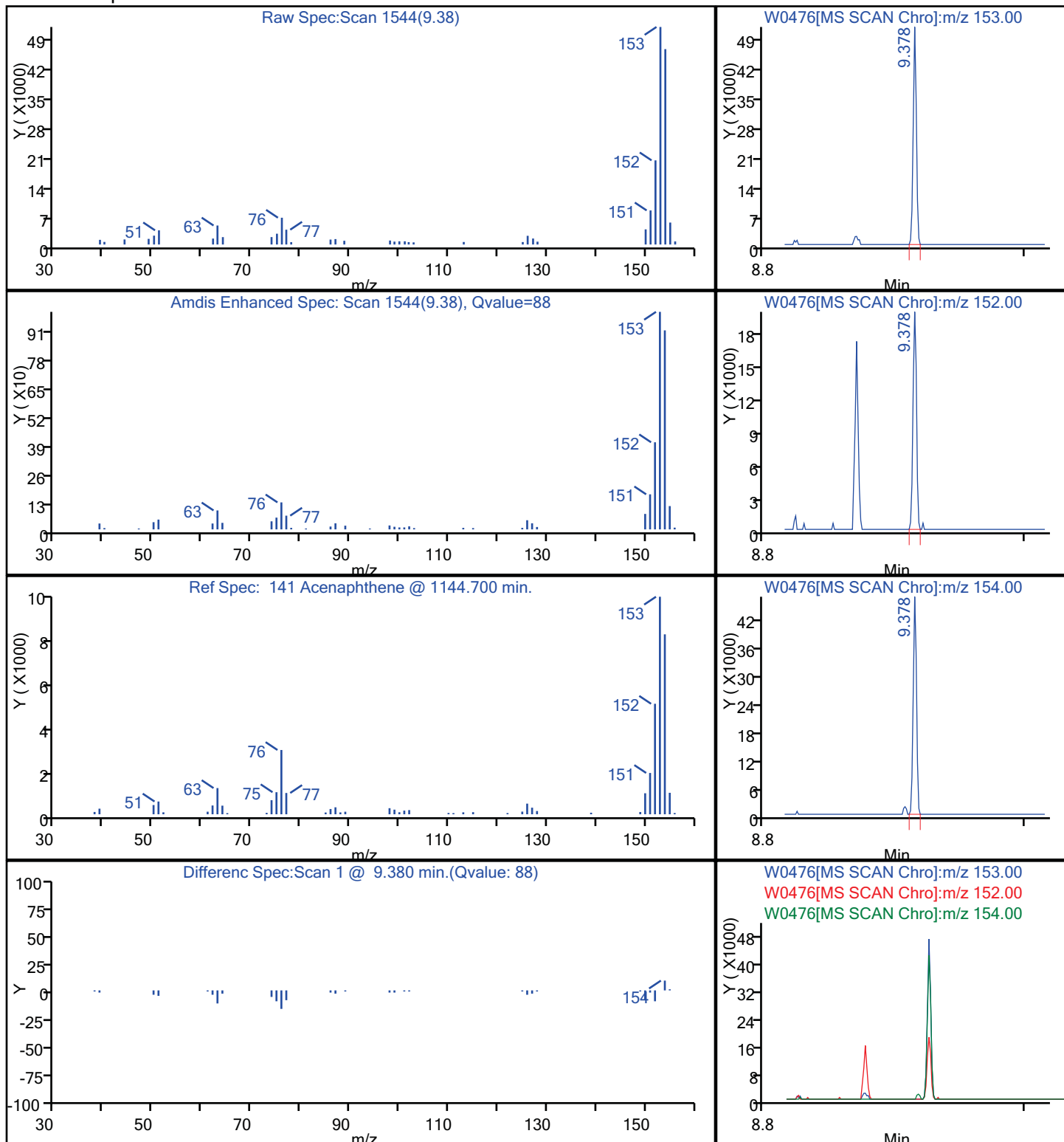
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

141 Acenaphthene



Data File: \\Bufchrom\ChromData\HP5973W\20110531-3546.b\W0476.D

Injection Date: 31-May-2011 09:44:30

Limit Group: MB - 8270C ICAL

Client ID: MW-3DR DUP

Instrument ID: HP5973W

Lims Batch ID: 18006

Lims Sample ID: 7

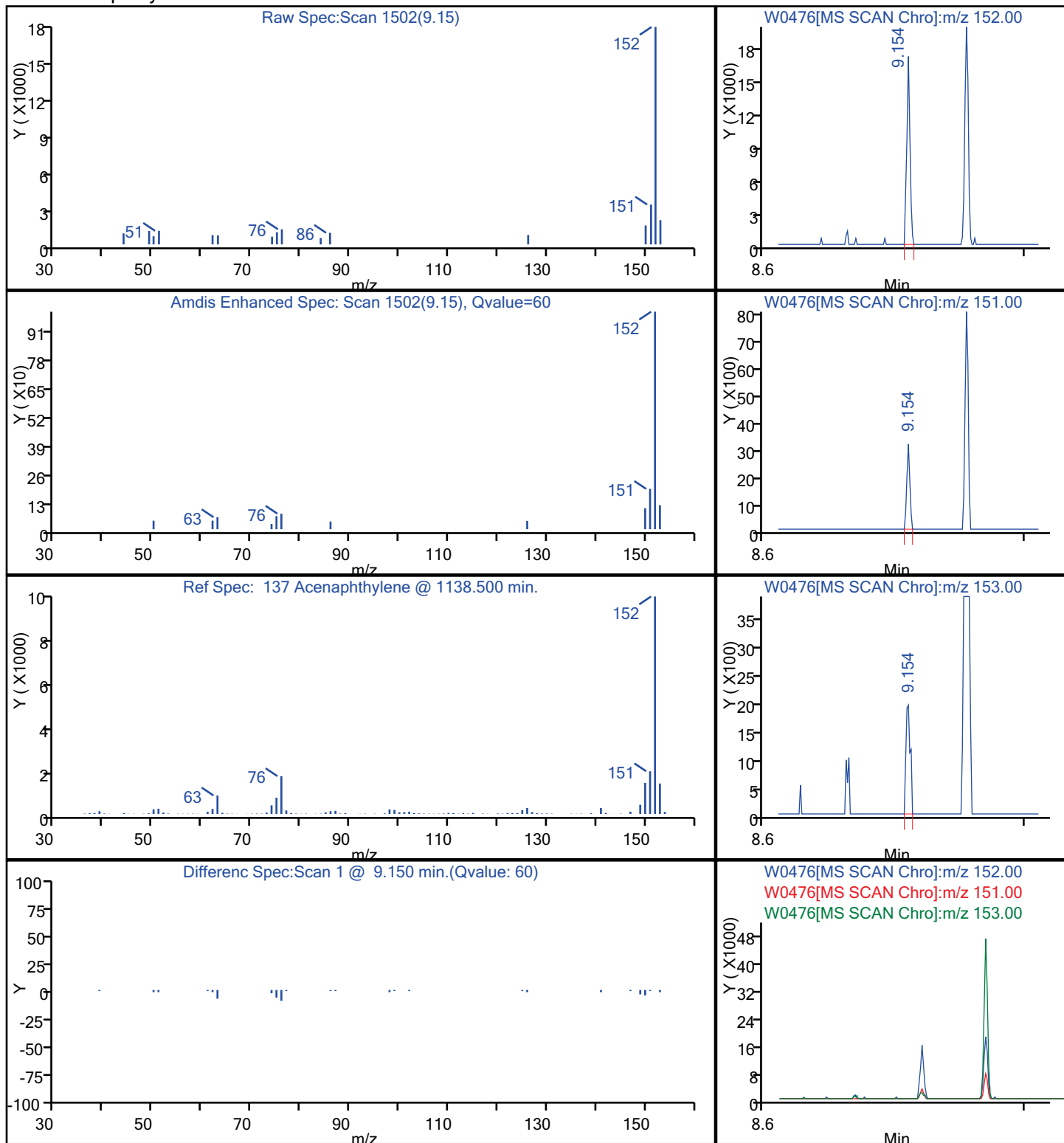
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

137 Acenaphthylene



Report Date: 06-Jul-2011 10:09:31

Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\Bufchrom\ChromData\HP5973W\20110531-3546.b\W0476.D

Injection Date: 31-May-2011 09:44:30

Limit Group: MB - 8270C ICAL

Client ID: MW-3DR DUP

Instrument ID: HP5973W

Lims Batch ID: 18006

Lims Sample ID: 7

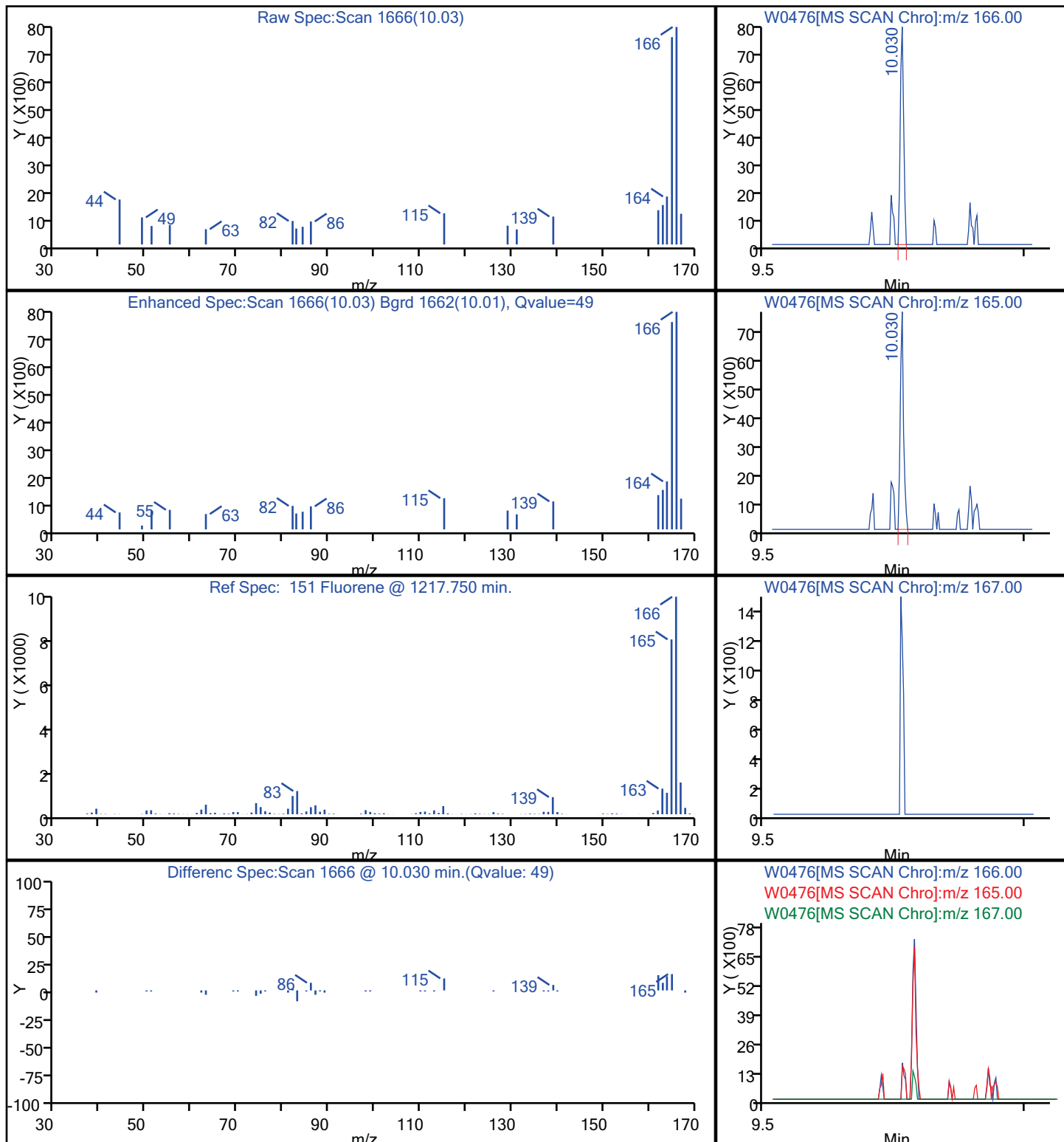
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

151 Fluorene



Report Date: 06-Jul-2011 10:09:31

Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\Bufchrom\ChromData\HP5973W\20110531-3546.b\W0476.D

Injection Date: 31-May-2011 09:44:30

Limit Group: MB - 8270C ICAL

Client ID: MW-3DR DUP

Instrument ID: HP5973W

Lims Batch ID: 18006

Lims Sample ID: 7

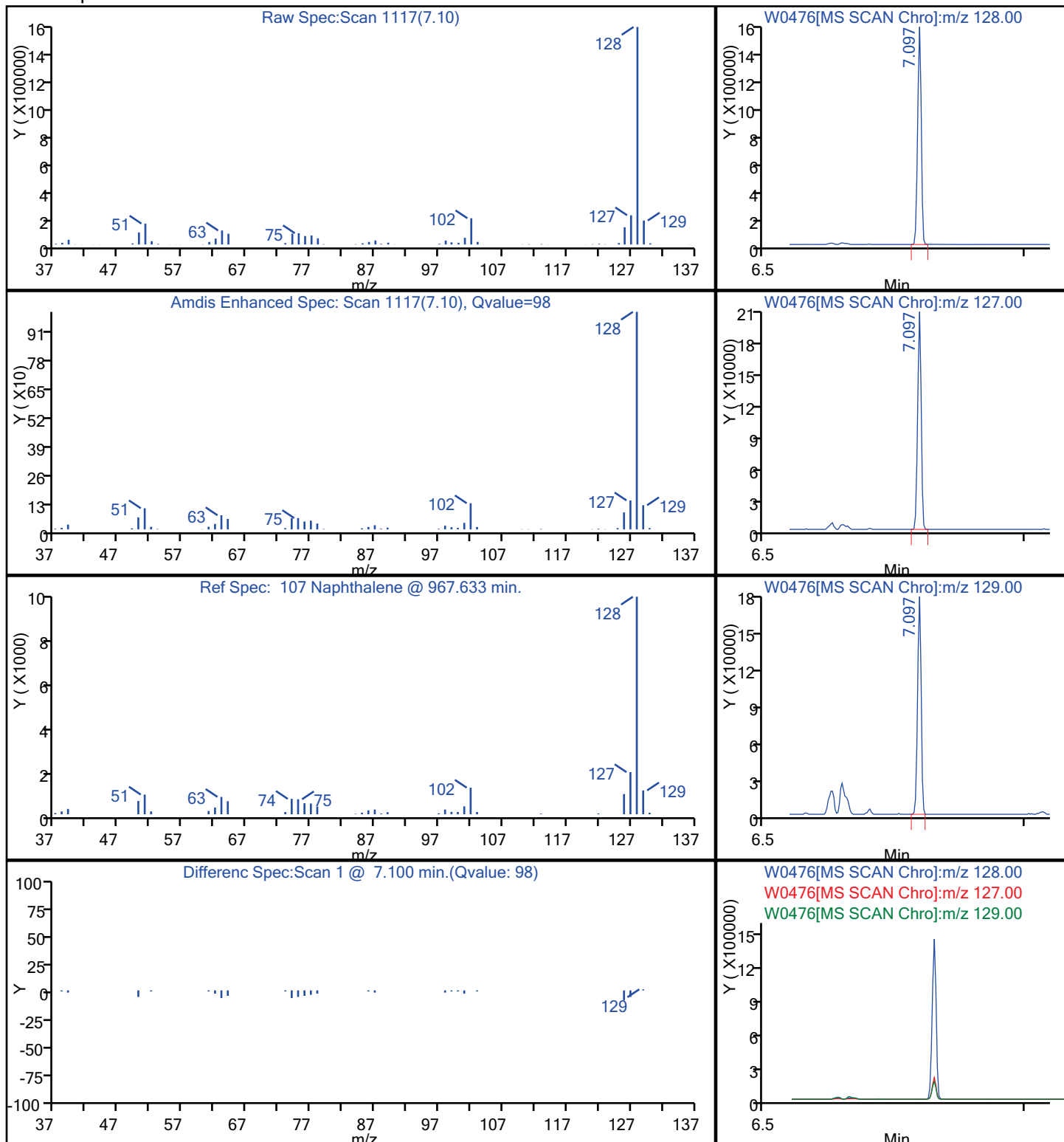
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

107 Naphthalene



Report Date: 06-Jul-2011 10:09:31

Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\Bufchrom\ChromData\HP5973W\20110531-3546.b\W0476.D

Injection Date: 31-May-2011 09:44:30

Limit Group: MB - 8270C ICAL

Client ID: MW-3DR DUP

Instrument ID: HP5973W

Lims Batch ID: 18006

Lims Sample ID: 7

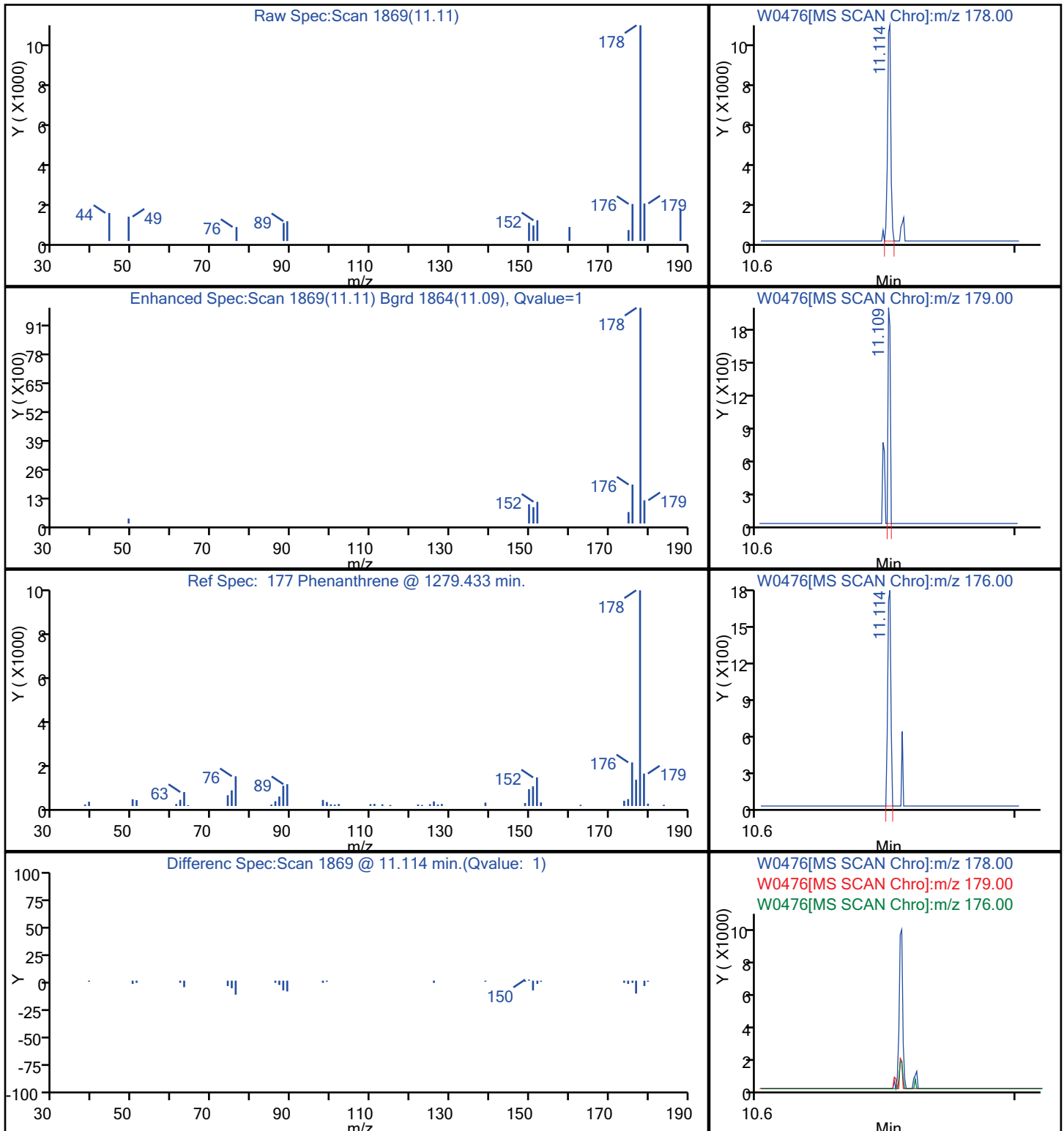
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

177 Phenanthrene



Report Date: 06-Jul-2011 10:09:31

Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\Bufchrom\ChromData\HP5973W\20110531-3546.b\W0476.D

Injection Date: 31-May-2011 09:44:30

Limit Group: MB - 8270C ICAL

Client ID: MW-3DR DUP

Instrument ID: HP5973W

Lims Batch ID: 18006

Lims Sample ID: 7

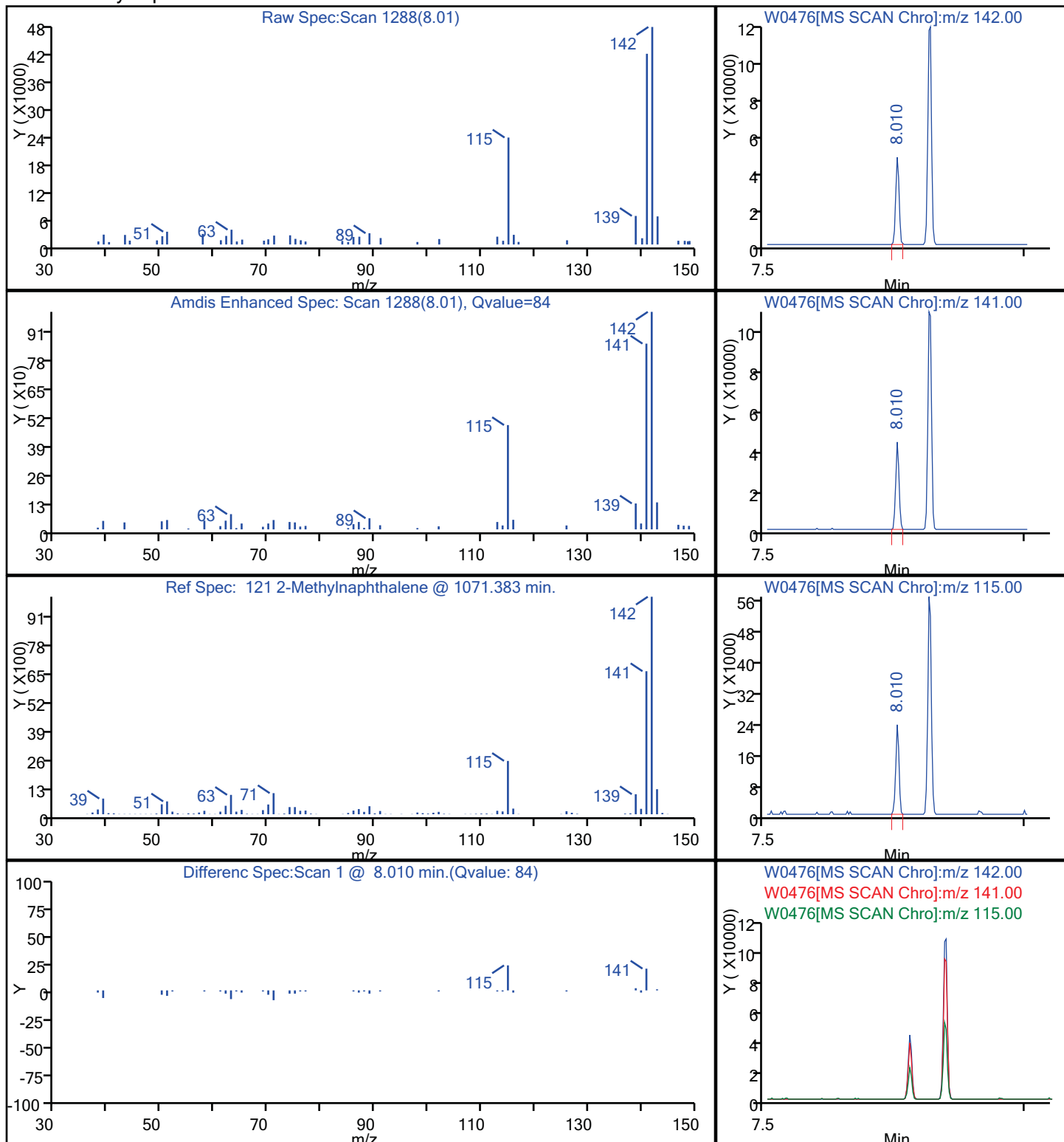
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

121 2-Methylnaphthalene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
 SDG No.: _____
 Client Sample ID: DW-3R Lab Sample ID: 480-5072-4
 Matrix: Water Lab File ID: W0454.D
 Analysis Method: 8270C Date Collected: 05/18/2011 14:10
 Extract. Method: 3510C Date Extracted: 05/23/2011 17:26
 Sample wt/vol: 970 (mL) Date Analyzed: 05/27/2011 16:16
 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.: 17774 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	200		52	4.2
208-96-8	Acenaphthylene	39	J	52	3.9
120-12-7	Anthracene	19	J	52	2.9
56-55-3	Benz (a) anthracene	5.0	J	52	3.7
50-32-8	Benzo (a) pyrene	ND		52	4.8
205-99-2	Benzo (b) fluoranthene	ND		52	3.5
191-24-2	Benzo (g, h, i) perylene	ND		52	3.6
207-08-9	Benzo (k) fluoranthene	ND		52	7.5
218-01-9	Chrysene	3.5	J	52	3.4
53-70-3	Dibenz (a, h) anthracene	ND		52	4.3
206-44-0	Fluoranthene	11	J	52	4.1
86-73-7	Fluorene	67		52	3.7
193-39-5	Indeno (1, 2, 3-c, d) pyrene	ND		52	4.8
91-20-3	Naphthalene	4900	E	52	7.8
85-01-8	Phenanthrene	84		52	4.5
129-00-0	Pyrene	17	J	52	3.5
91-57-6	2-Methylnaphthalene	860		52	6.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	83		46-120
321-60-8	2-Fluorobiphenyl	90		48-120
1718-51-0	p-Terphenyl-d14	95		24-136

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20110527-3501.b\W0454.D
 Lims ID: 480-5072-B-4-A Client ID: DW-3R
 Inject. Date: 27-May-2011 16:16:30 Dil. Factor: 10.0000
 Sample Type: Client
 Sample ID: 480-0003501-019
 Misc. Info.: 480-5072-B-4-A =480-5072-B-4-A
 Operator: MKP Instrument ID: HP5973W
 Vol. Injected: 1.0000 ALS Bottle#: 16
 Lims Batch ID: 17774 Lims Sample ID: 19
 Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973W\20110527-3501.b\W-8270.m
 Last Update: 31-May-2011 11:17:45 Calib Date: 23-May-2011 17:08:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973W\20110523-3373.b\W0277.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: pagem

Date: 31-May-2011 11:08:07

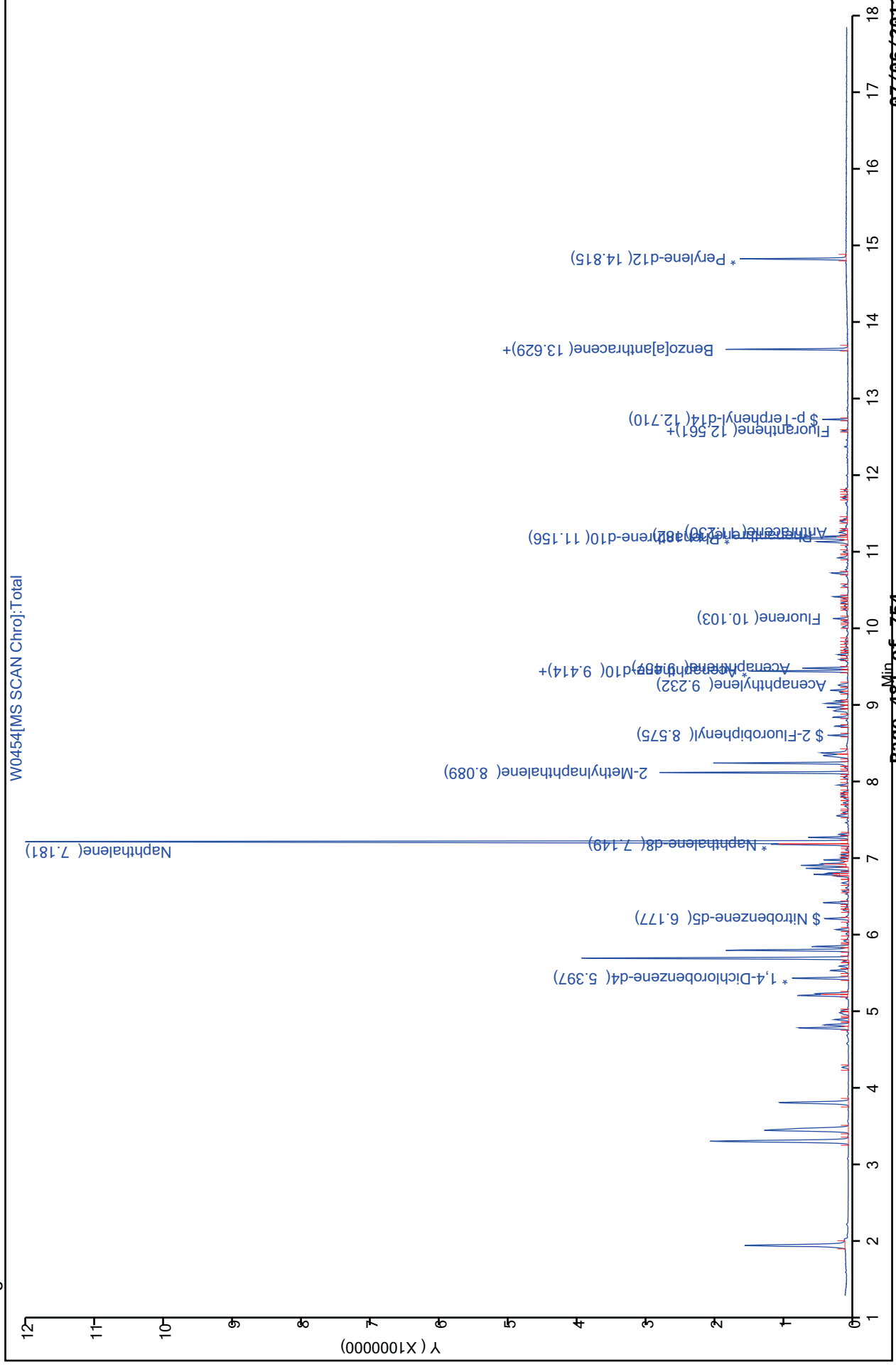
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.397	5.397	0.0	96	135412	40.0	
* 2 Naphthalene-d8	136	7.149	7.144	0.005	97	542606	40.0	
* 3 Acenaphthene-d10	164	9.414	9.414	0.0	98	309035	40.0	
* 4 Phenanthrene-d10	188	11.156	11.156	0.0	98	518969	40.0	
* 5 Chrysene-d12	240	13.629	13.629	0.0	98	533416	40.0	
* 6 Perylene-d12	264	14.815	14.815	0.0	99	555932	40.0	
\$ 9 Nitrobenzene-d5	82	6.171	6.171	0.0	90	44741	8.33	
\$ 10 2-Fluorobiphenyl	172	8.575	8.575	0.0	94	83081	9.01	
\$ 12 p-Terphenyl-d14	244	12.710	12.715	-0.006	93	105383	9.47	
107 Naphthalene	128	7.186	7.170	0.016	99	6425715	471.3	E
137 Acenaphthylene	152	9.227	9.232	-0.005	86	46985	3.81	
141 Acenaphthene	153	9.457	9.457	0.0	90	160628	19.0	
151 Fluorene	166	10.103	10.103	0.0	87	61200	6.48	
177 Phenanthrene	178	11.182	11.182	0.0	91	118162	8.12	
180 Anthracene	178	11.236	11.236	0.0	90	26963	1.85	
191 Fluoranthene	202	12.358	12.358	0.0	68	18250	1.10	
193 Pyrene	202	12.561	12.566	-0.005	95	28360	1.66	
205 Benzo[a]anthracene	228	13.618	13.618	-0.006	18	7458	0.4898	
207 Chrysene	228	13.650	13.650	-0.006	8	5097	0.3391	
209 Benzo[b]fluoranthene	252		14.500					
211 Benzo[k]fluoranthene	252		14.521					
213 Benzo[a]pyrene	252		14.772					
215 Indeno[1,2,3-cd]pyrene	276		15.814					
216 Dibenz(a,h)anthracene	278		15.819					
217 Benzo[g,h,i]perylene	276		16.097					
121 2-Methylnaphthalene	142	8.089	8.084	0.0	82	727343	83.6	

QC Flag Legend

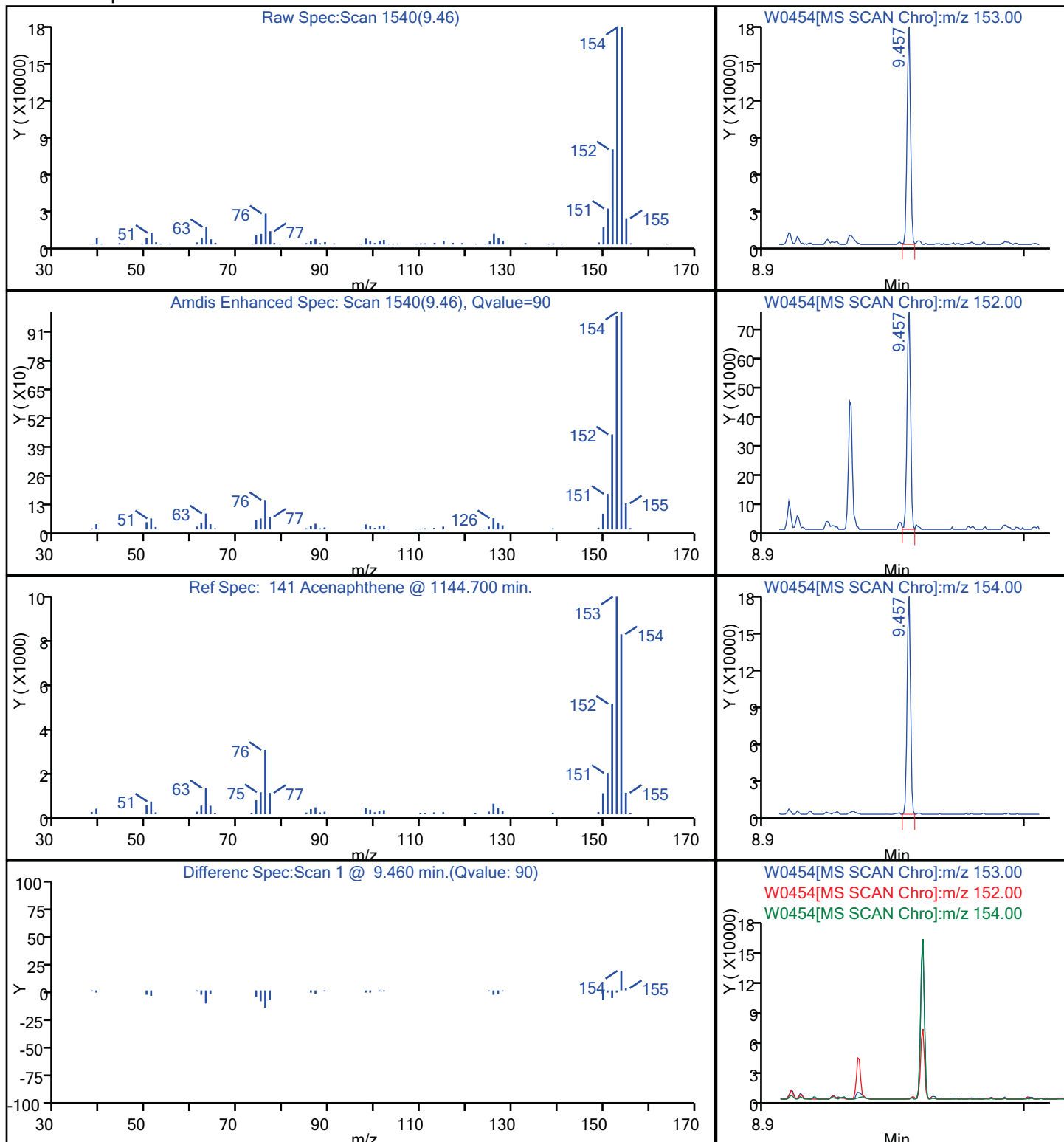
Processing Flags

E - Exceeded Maximum Amount

Report Date: 06-Jul-2011 10:07:03
Data File: \\Bufchrom\ChromData\HP5973W20110527-3501.b\W0454.D
Injection Date: 27-May-2011 16:16:30
Client ID: MB - 8270C ICAL
Lims Batch ID: DW-3R
Operator ID: 17774
Column Type: MKP
Injection Vol: 1.00 ul
Column Dia: 0.25 mm
Y Scaling:



141 Acenaphthene



Data File: \\Bufchrom\ChromData\HP5973W\20110527-3501.b\W0454.D

Injection Date: 27-May-2011 16:16:30

Limit Group: MB - 8270C ICAL

Client ID: DW-3R

Instrument ID: HP5973W

Lims Batch ID: 17774

Lims Sample ID: 19

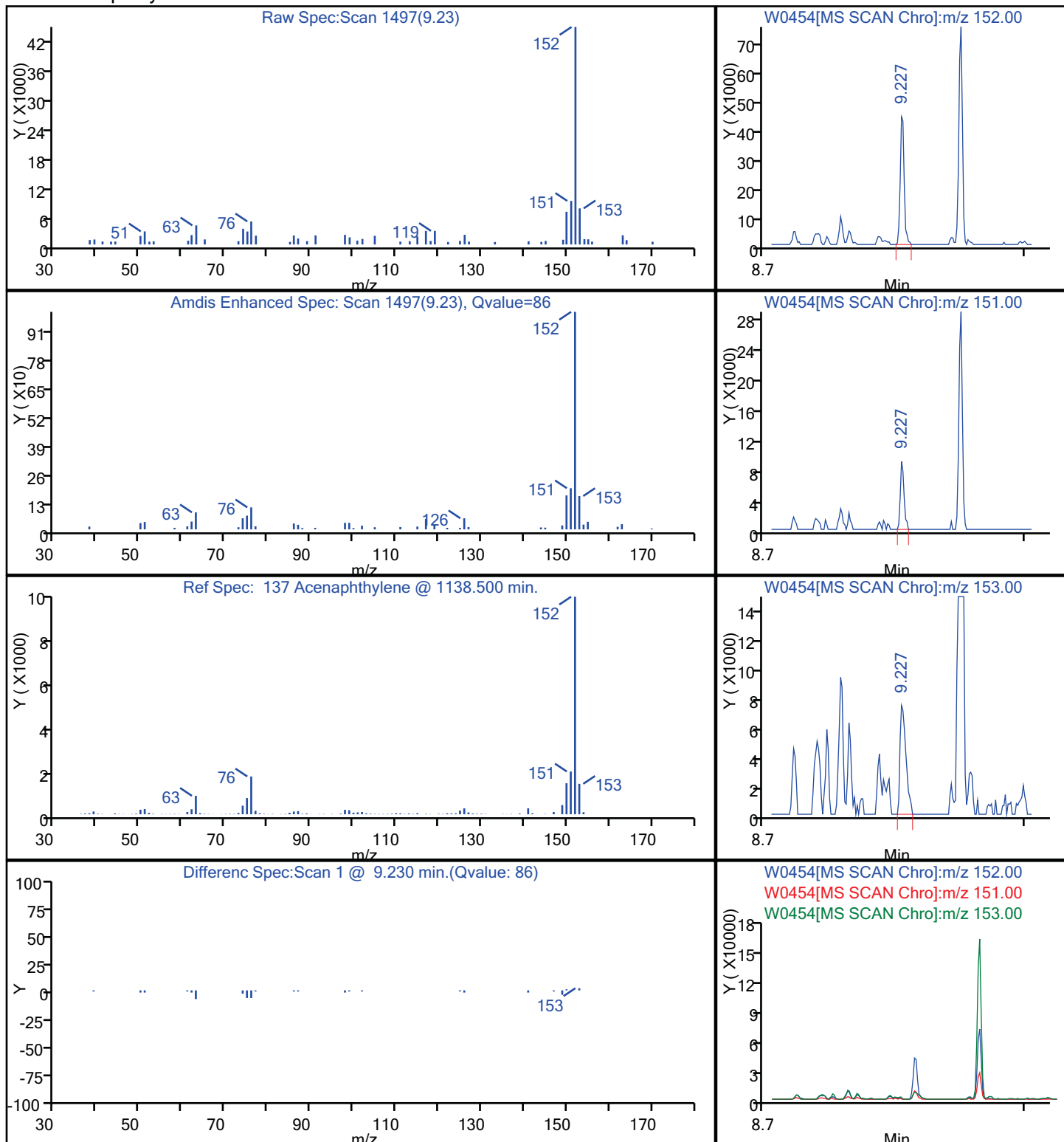
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

137 Acenaphthylene



Report Date: 06-Jul-2011 10:07:03

Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\Bufchrom\ChromData\HP5973W\20110527-3501.b\W0454.D

Injection Date: 27-May-2011 16:16:30

Limit Group: MB - 8270C ICAL

Client ID: DW-3R

Instrument ID: HP5973W

Lims Batch ID: 17774

Lims Sample ID: 19

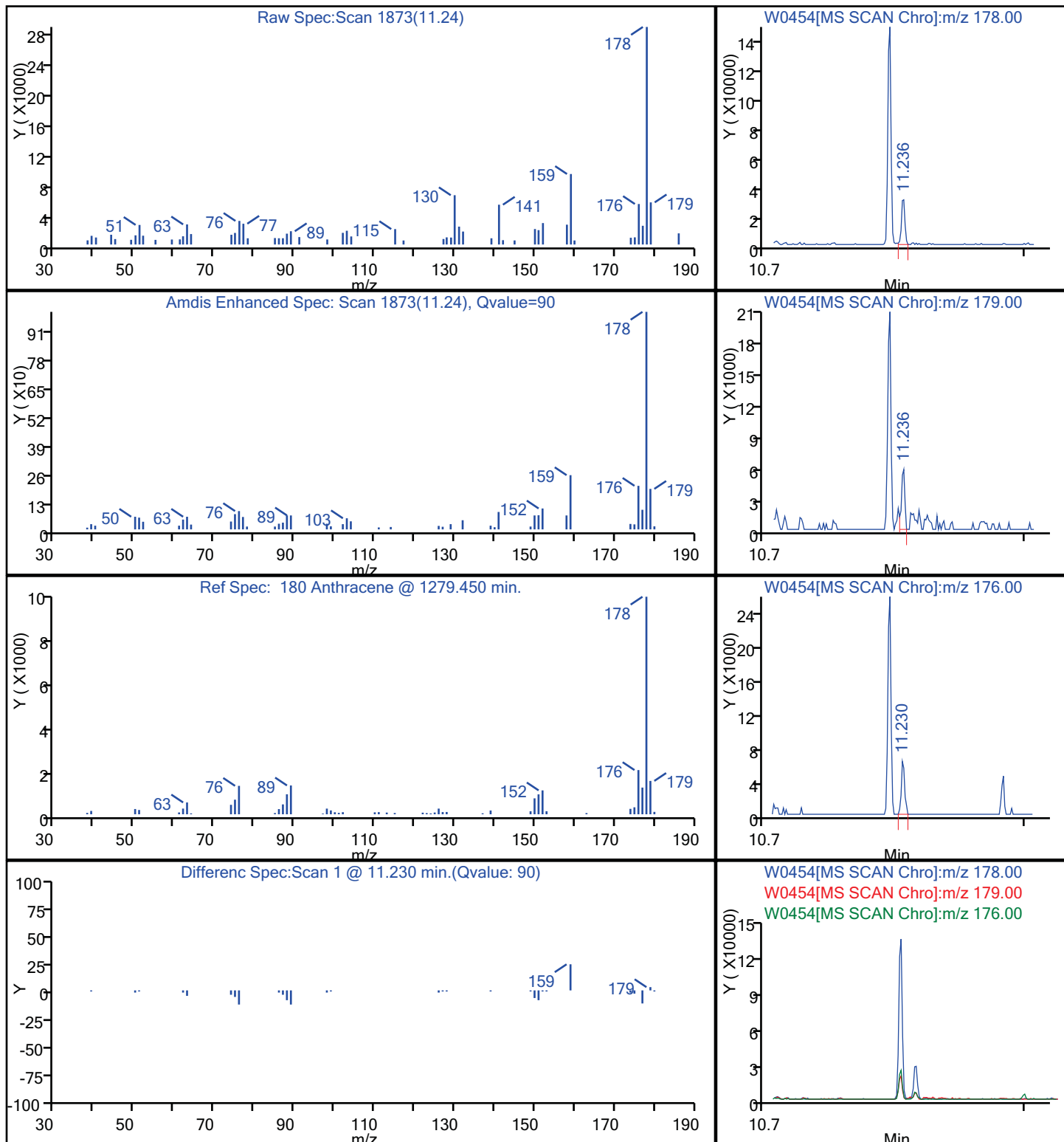
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

180 Anthracene



Report Date: 06-Jul-2011 10:07:03

Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\Bufchrom\ChromData\HP5973W\20110527-3501.b\W0454.D

Injection Date: 27-May-2011 16:16:30

Limit Group: MB - 8270C ICAL

Client ID: DW-3R

Instrument ID: HP5973W

Lims Batch ID: 17774

Lims Sample ID: 19

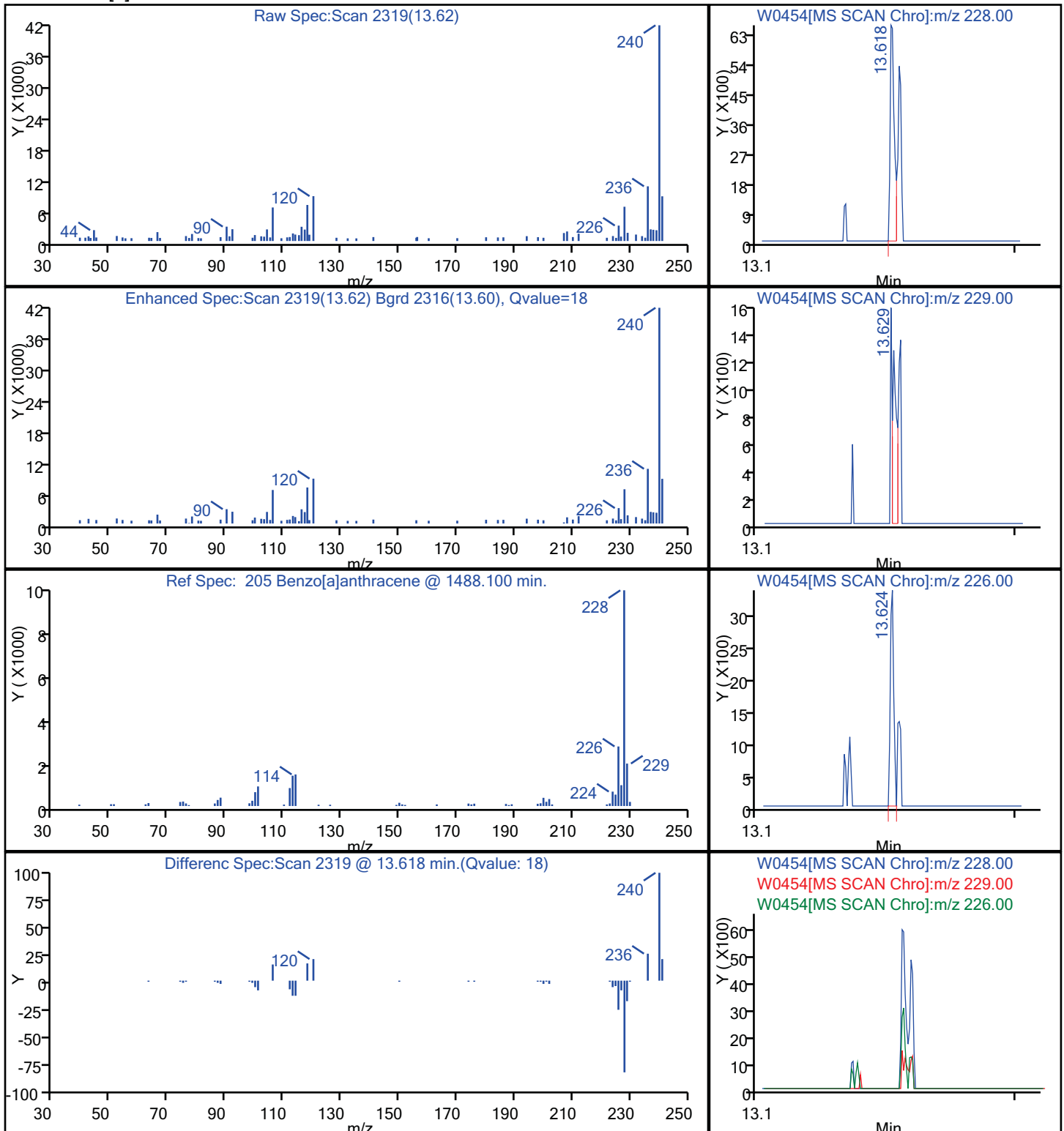
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

205 Benzo[a]anthracene



Data File: \\Bufchrom\ChromData\HP5973W\20110527-3501.b\W0454.D

Injection Date: 27-May-2011 16:16:30

Limit Group: MB - 8270C ICAL

Client ID: DW-3R

Instrument ID: HP5973W

Lims Batch ID: 17774

Lims Sample ID: 19

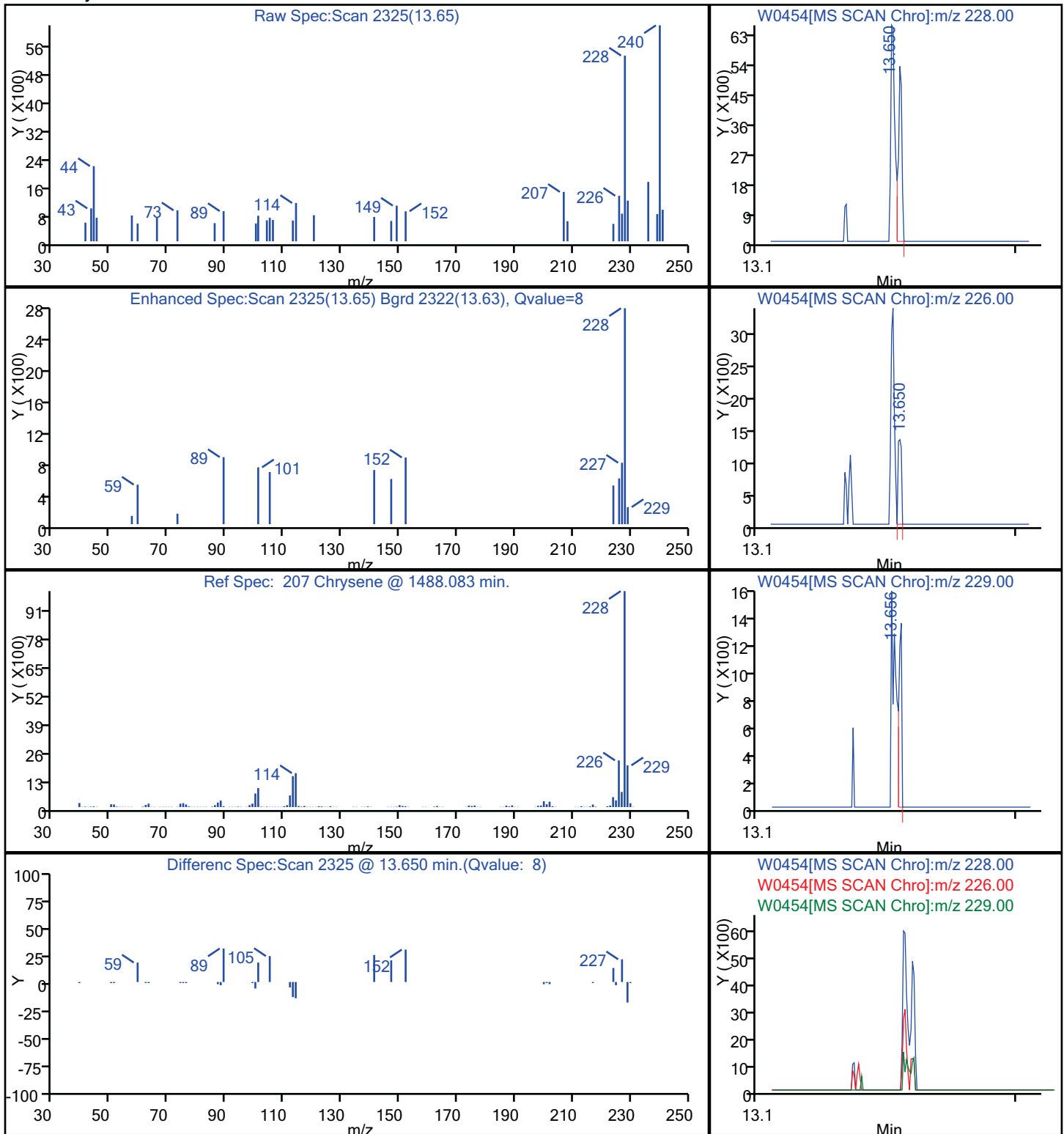
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

207 Chrysene



Report Date: 06-Jul-2011 10:07:03

Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\Bufchrom\ChromData\HP5973W\20110527-3501.b\W0454.D

Injection Date: 27-May-2011 16:16:30

Limit Group: MB - 8270C ICAL

Client ID: DW-3R

Instrument ID: HP5973W

Lims Batch ID: 17774

Lims Sample ID: 19

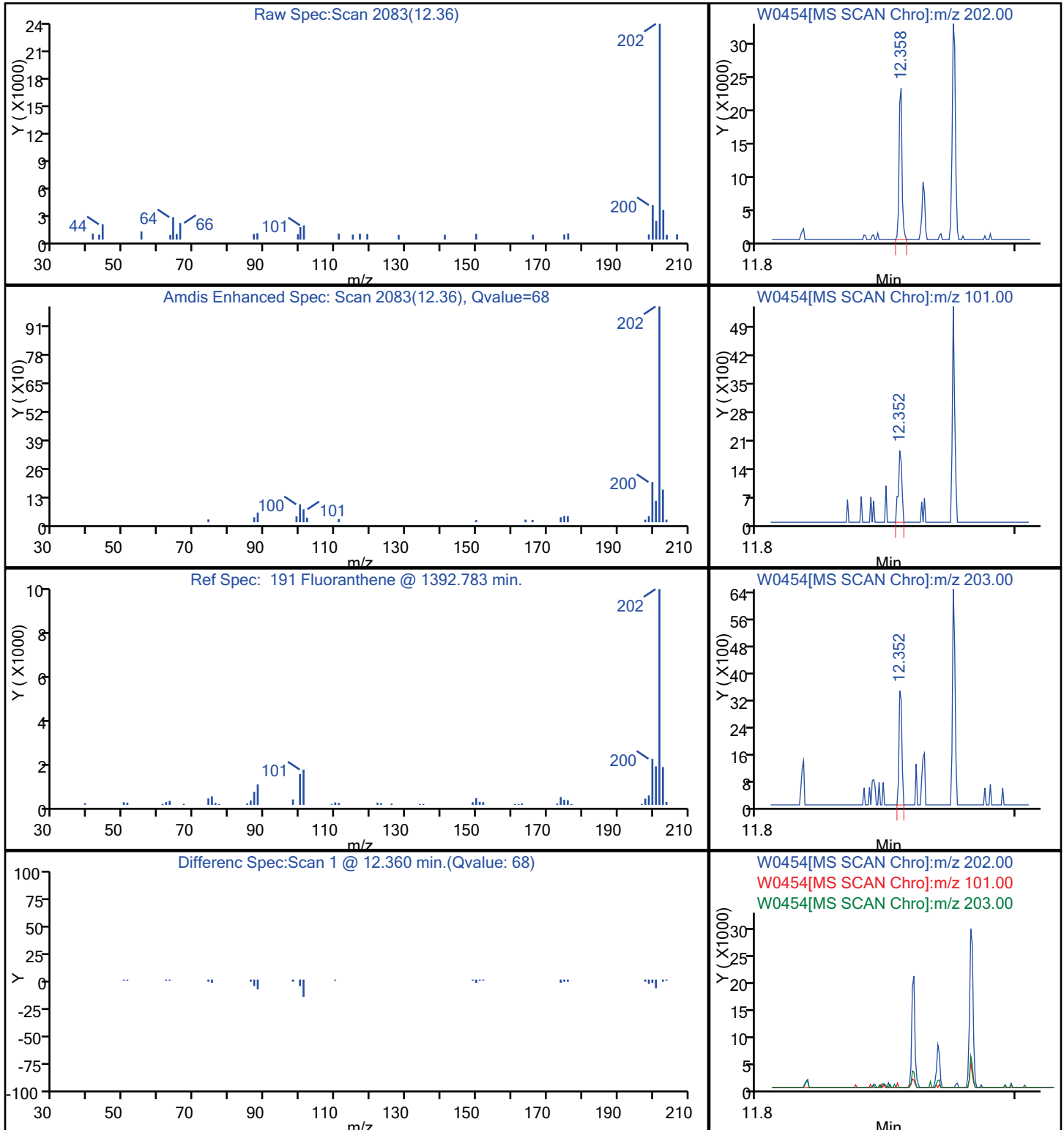
Operator ID: MKP

Injection Vol: 1.00 ul

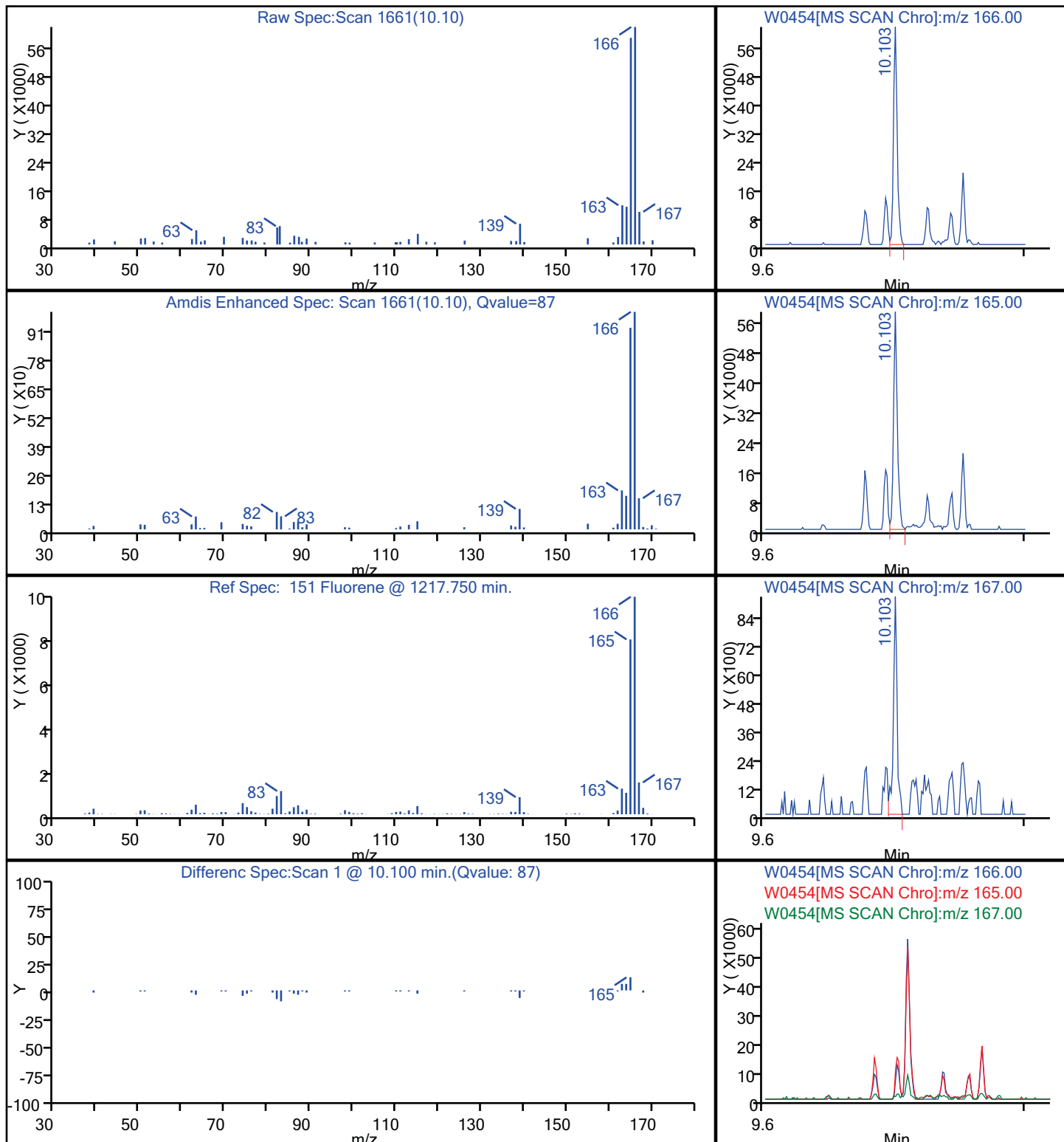
Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

191 Fluoranthene



151 Fluorene



Data File: \\Bufchrom\ChromData\HP5973W\20110527-3501.b\W0454.D

Injection Date: 27-May-2011 16:16:30

Limit Group: MB - 8270C ICAL

Client ID: DW-3R

Instrument ID: HP5973W

Lims Batch ID: 17774

Lims Sample ID: 19

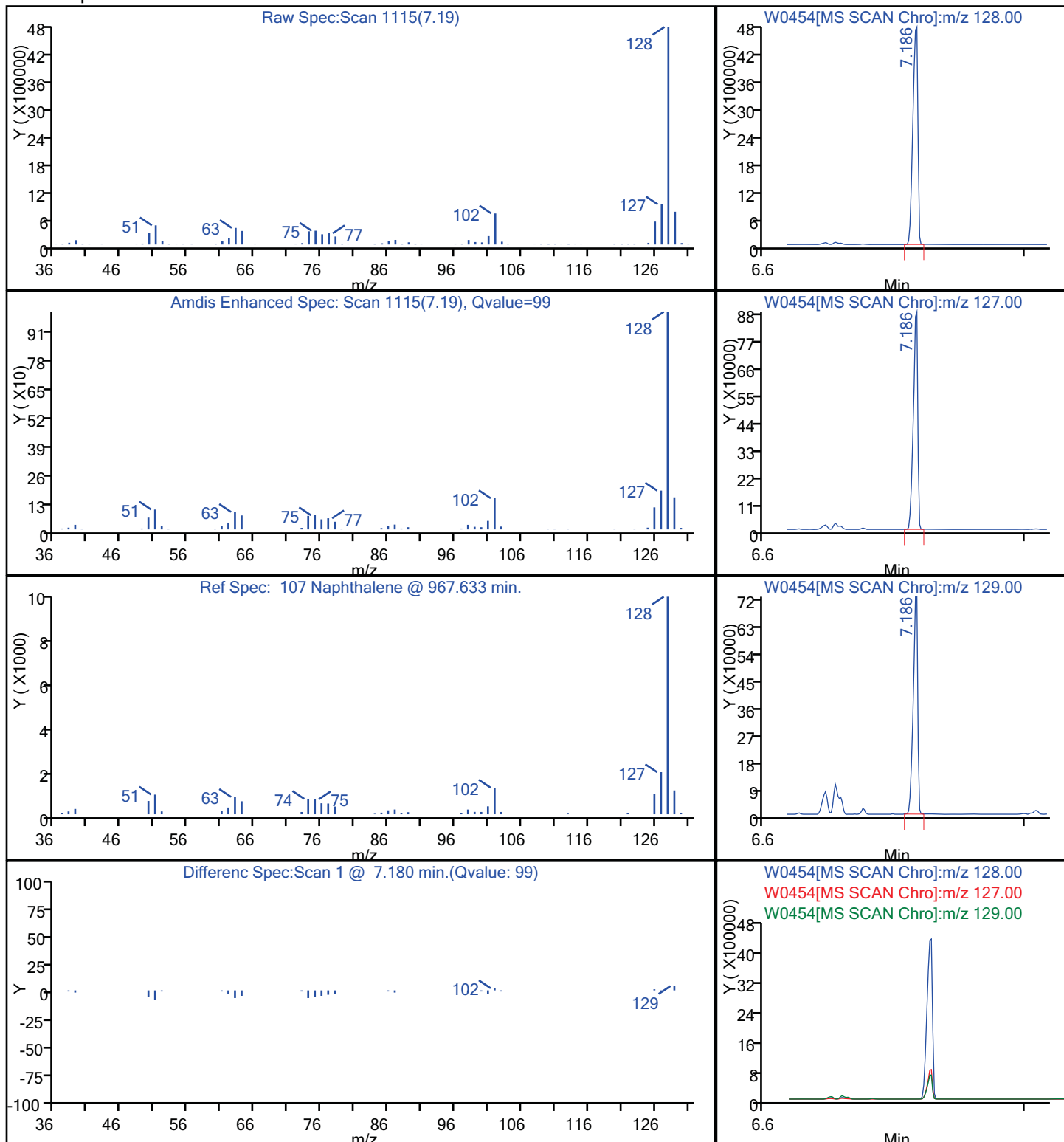
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

107 Naphthalene



Data File: \\Bufchrom\ChromData\HP5973W\20110527-3501.b\W0454.D

Injection Date: 27-May-2011 16:16:30

Limit Group: MB - 8270C ICAL

Client ID: DW-3R

Instrument ID: HP5973W

Lims Batch ID: 17774

Lims Sample ID: 19

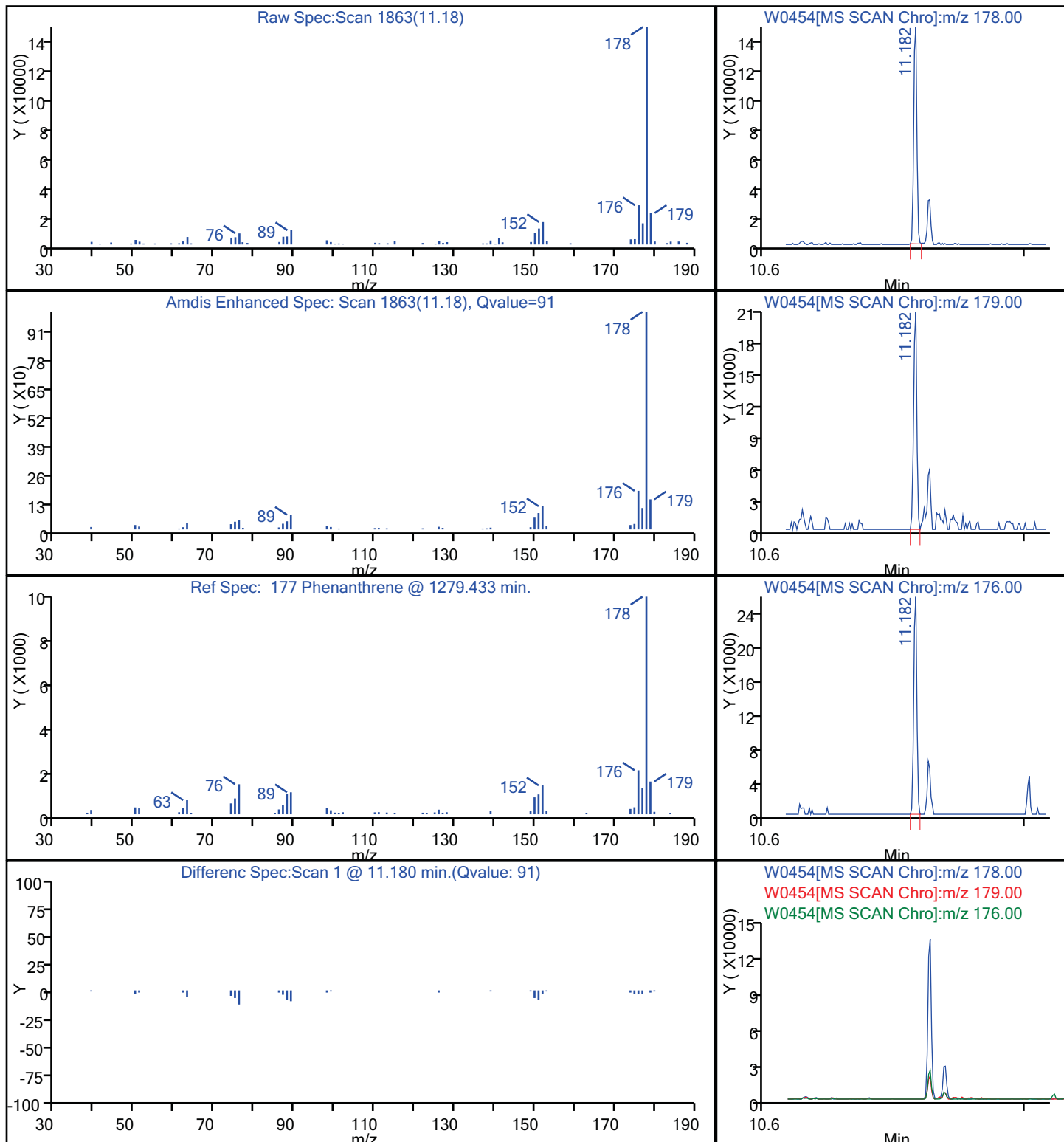
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

177 Phenanthrene



Data File: \\Bufchrom\ChromData\HP5973W\20110527-3501.b\W0454.D

Injection Date: 27-May-2011 16:16:30

Limit Group: MB - 8270C ICAL

Client ID: DW-3R

Instrument ID: HP5973W

Lims Batch ID: 17774

Lims Sample ID: 19

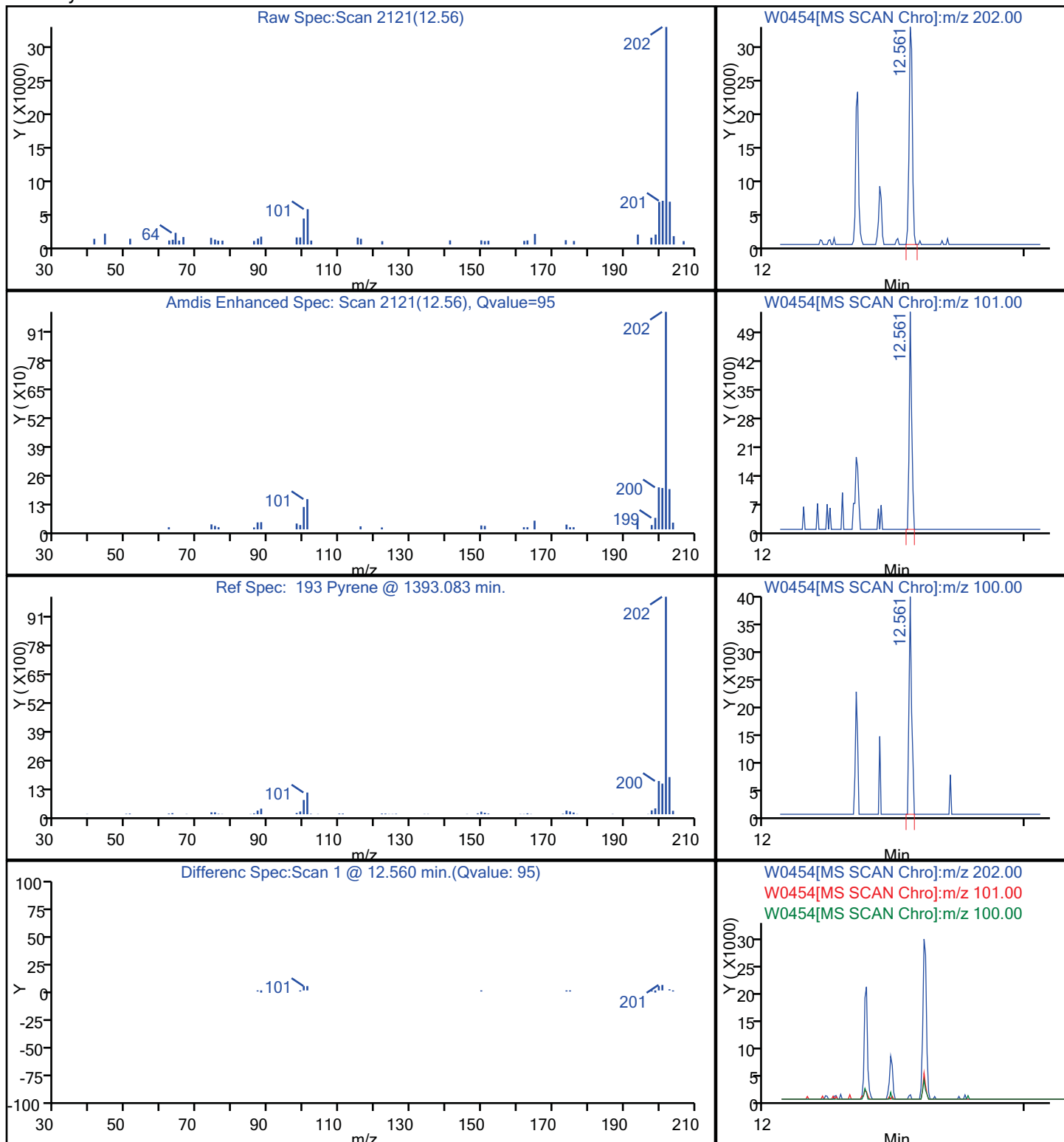
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

193 Pyrene



Data File: \\Bufchrom\ChromData\HP5973W\20110527-3501.b\W0454.D

Injection Date: 27-May-2011 16:16:30

Limit Group: MB - 8270C ICAL

Client ID: DW-3R

Instrument ID: HP5973W

Lims Batch ID: 17774

Lims Sample ID: 19

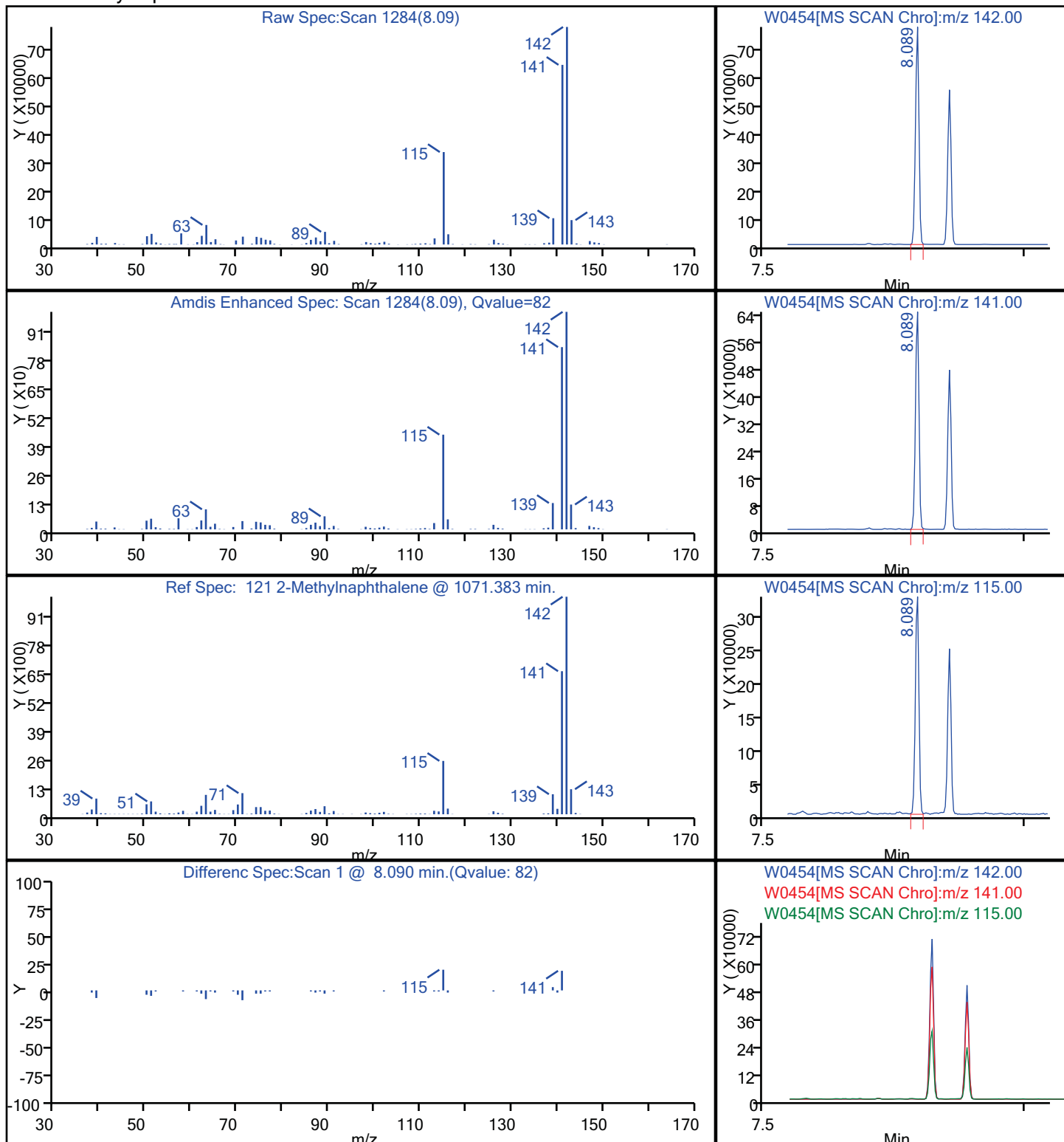
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

121 2-Methylnaphthalene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.: _____

Client Sample ID: DW-3R DL Lab Sample ID: 480-5072-4 DL

Matrix: Water Lab File ID: W0477.D

Analysis Method: 8270C Date Collected: 05/18/2011 14:10

Extract. Method: 3510C Date Extracted: 05/23/2011 17:26

Sample wt/vol: 970 (mL) Date Analyzed: 05/31/2011 10:07

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.: 18006 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	180	J	260	21
208-96-8	Acenaphthylene	32	J	260	20
120-12-7	Anthracene	14	J	260	14
56-55-3	Benz(a)anthracene	ND		260	19
50-32-8	Benzo(a)pyrene	ND		260	24
205-99-2	Benzo(b)fluoranthene	ND		260	18
191-24-2	Benzo(g,h,i)perylene	ND		260	18
207-08-9	Benzo(k)fluoranthene	ND		260	38
218-01-9	Chrysene	ND		260	17
53-70-3	Dibenz(a,h)anthracene	ND		260	22
206-44-0	Fluoranthene	ND		260	21
86-73-7	Fluorene	54	J	260	19
193-39-5	Indeno(1,2,3-c,d)pyrene	ND		260	24
91-20-3	Naphthalene	5500		260	39
85-01-8	Phenanthrene	71	J	260	23
129-00-0	Pyrene	ND		260	18
91-57-6	2-Methylnaphthalene	790		260	31

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	68		46-120
321-60-8	2-Fluorobiphenyl	74		48-120
1718-51-0	p-Terphenyl-d14	77		24-136

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20110531-3546.b\W0477.D
 Lims ID: 480-5072-B-4-A Client ID: DW-3R
 Inject. Date: 31-May-2011 10:07:30 Dil. Factor: 50.0000
 Sample Type: Client
 Sample ID: 480-0003546-008
 Misc. Info.: 480-5072-B-4-A =480-5072-B-4-A
 Operator: MKP Instrument ID: HP5973W
 Vol. Injected: 1.0000 ALS Bottle#: 5
 Lims Batch ID: 18006 Lims Sample ID: 8
 Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973W\20110531-3546.b\W-8270.m
 Last Update: 01-Jun-2011 15:01:31 Calib Date: 23-May-2011 17:08:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973W\20110523-3373.b\W0277.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: pagem

Date: 31-May-2011 11:23:45

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.318	5.318	0.0	97	148007	40.0	
* 2 Naphthalene-d8	136	7.070	7.070	0.0	93	588847	40.0	
* 3 Acenaphthene-d10	164	9.341	9.341	0.0	98	336059	40.0	
* 4 Phenanthrene-d10	188	11.088	11.088	0.0	98	586941	40.0	
* 5 Chrysene-d12	240	13.566	13.566	0.0	98	591723	40.0	
* 6 Perylene-d12	264	14.736	14.736	0.0	99	608498	40.0	
\$ 9 Nitrobenzene-d5	82	6.098	6.098	0.0	77	7905	1.36	
\$ 10 2-Fluorobiphenyl	172	8.502	8.502	0.0	63	14834	1.48	
\$ 12 p-Terphenyl-d14	244	12.648	12.648	0.0	55	18827	1.53	
107 Naphthalene	128	7.097	7.092	0.0	98	1579754	106.8	
137 Acenaphthylene	152	9.154	9.159	-0.005	47	8428	0.6279	
141 Acenaphthene	153	9.378	9.383	-0.005	86	31961	3.48	
151 Fluorene	166	10.030	10.030	-0.005	41	10759	1.05	
177 Phenanthrene	178	11.114	11.114	0.0	70	22788	1.38	
180 Anthracene	178	11.168	11.168	0.0	1	4541	0.2756	
191 Fluoranthene	202		12.295					
193 Pyrene	202	12.498	12.498	0.0	69	4707	0.2477	
205 Benzo[a]anthracene	228		13.561					
207 Chrysene	228		13.588					
209 Benzo[b]fluoranthene	252		14.421					
211 Benzo[k]fluoranthene	252		14.448					
213 Benzo[a]pyrene	252		14.688					
215 Indeno[1,2,3-cd]pyrene	276		15.703					
216 Dibenzo(a,h)anthracene	278		15.714					
217 Benzo[g,h,i]perylene	276		15.981					
121 2-Methylnaphthalene	142	8.011	8.011	-0.006	84	144426	15.3	

Report Date: 06-Jul-2011 10:11:35

Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\Bufchrom\ChromData\HP5973W20110531-3546.b\W0477.D

Injection Date: 31-May-2011 10:07:30

Limit Group: MB - 8270C ICAL

Client ID: DW-3R

Instrument ID: HP5973W

Lims Batch ID: 18006

Lims Sample ID: 8

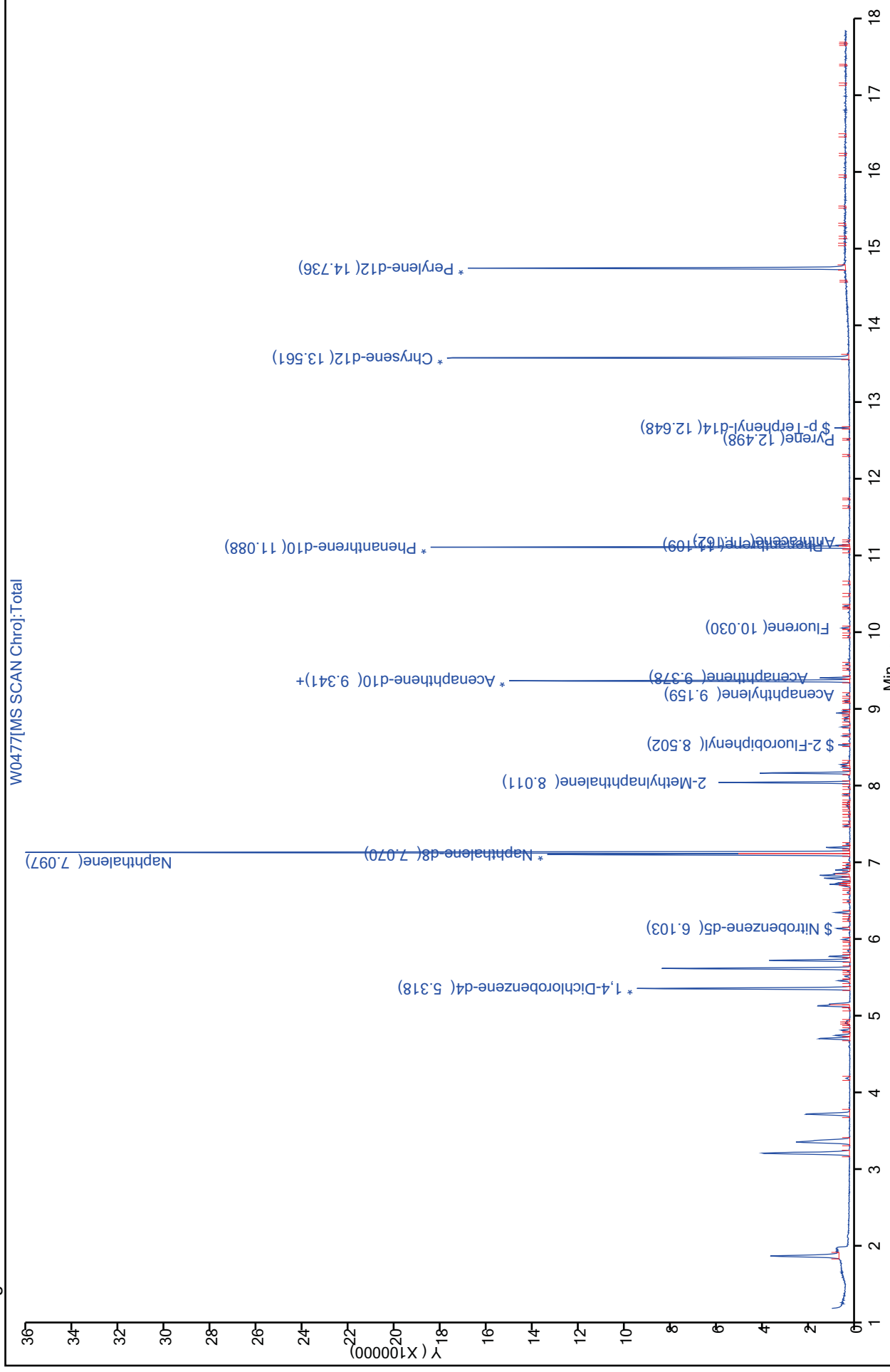
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



Report Date: 06-Jul-2011 10:11:35

Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\Bufchrom\ChromData\HP5973W\20110531-3546.b\W0477.D

Injection Date: 31-May-2011 10:07:30

Limit Group: MB - 8270C ICAL

Client ID: DW-3R

Instrument ID: HP5973W

Lims Batch ID: 18006

Lims Sample ID: 8

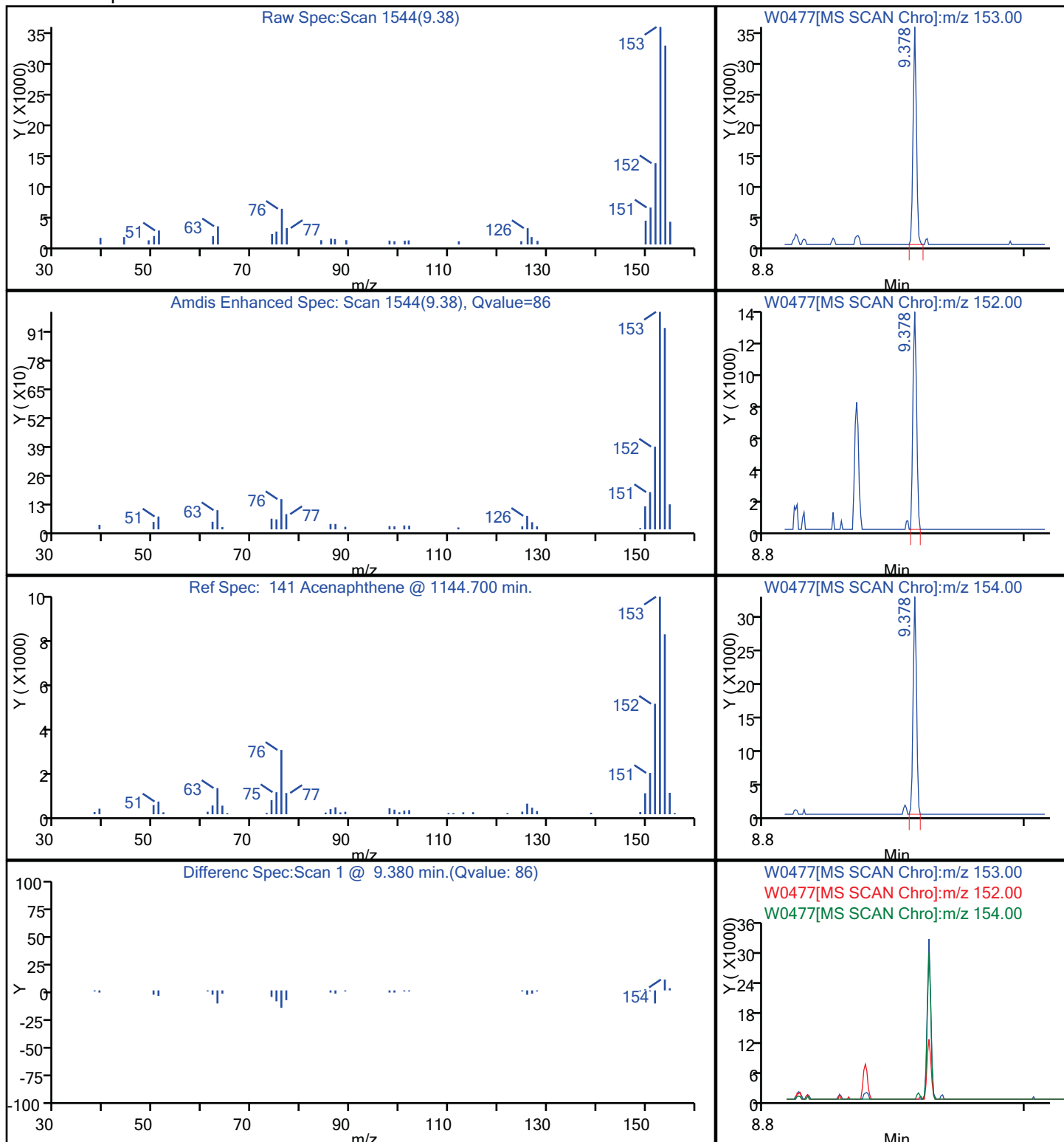
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

141 Acenaphthene



Data File: \\Bufchrom\ChromData\HP5973W\20110531-3546.b\W0477.D

Injection Date: 31-May-2011 10:07:30

Limit Group: MB - 8270C ICAL

Client ID: DW-3R

Instrument ID: HP5973W

Lims Batch ID: 18006

Lims Sample ID: 8

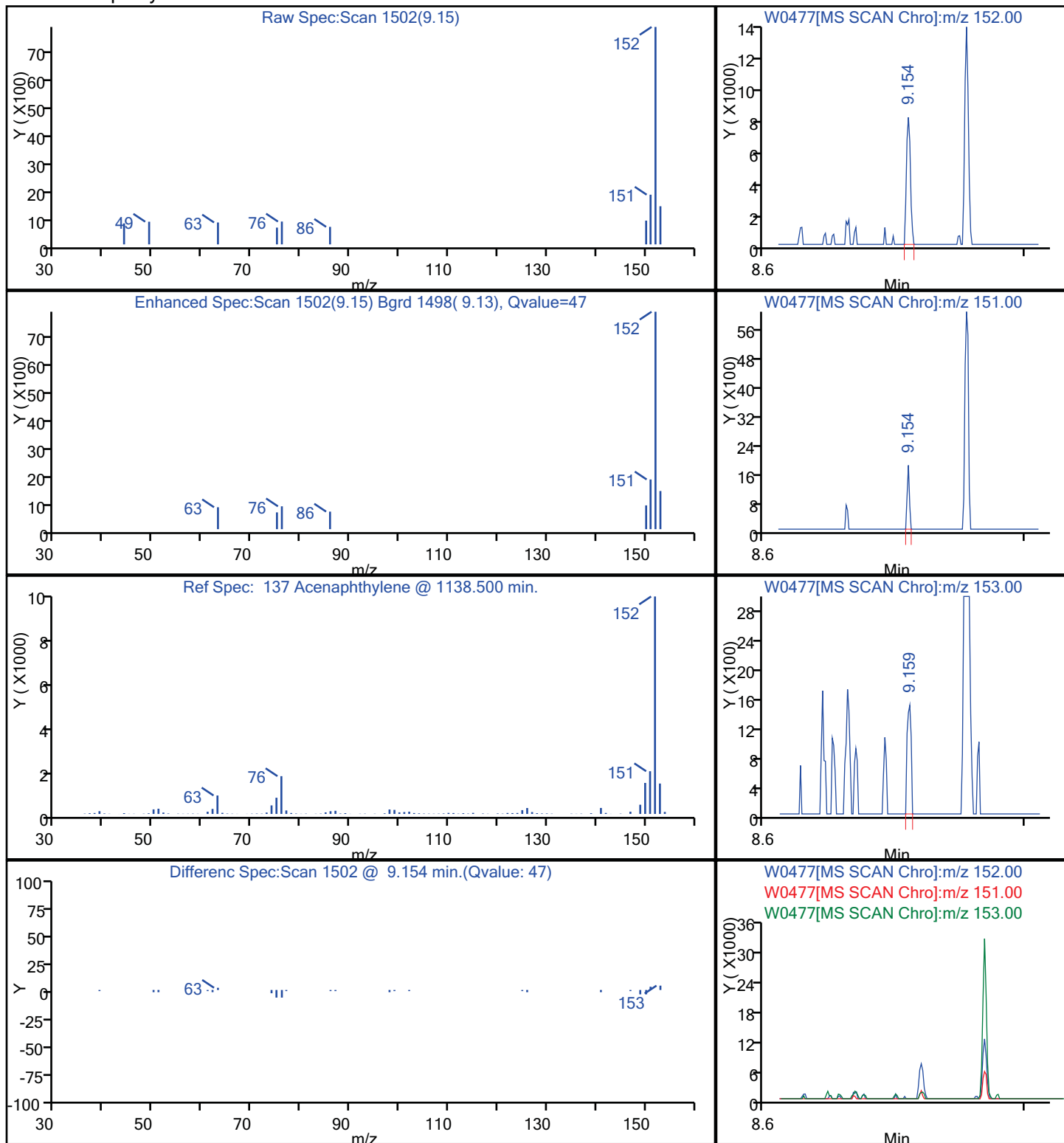
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

137 Acenaphthylene



Data File: \\Bufchrom\ChromData\HP5973W\20110531-3546.b\W0477.D

Injection Date: 31-May-2011 10:07:30

Limit Group: MB - 8270C ICAL

Client ID: DW-3R

Instrument ID: HP5973W

Lims Batch ID: 18006

Lims Sample ID: 8

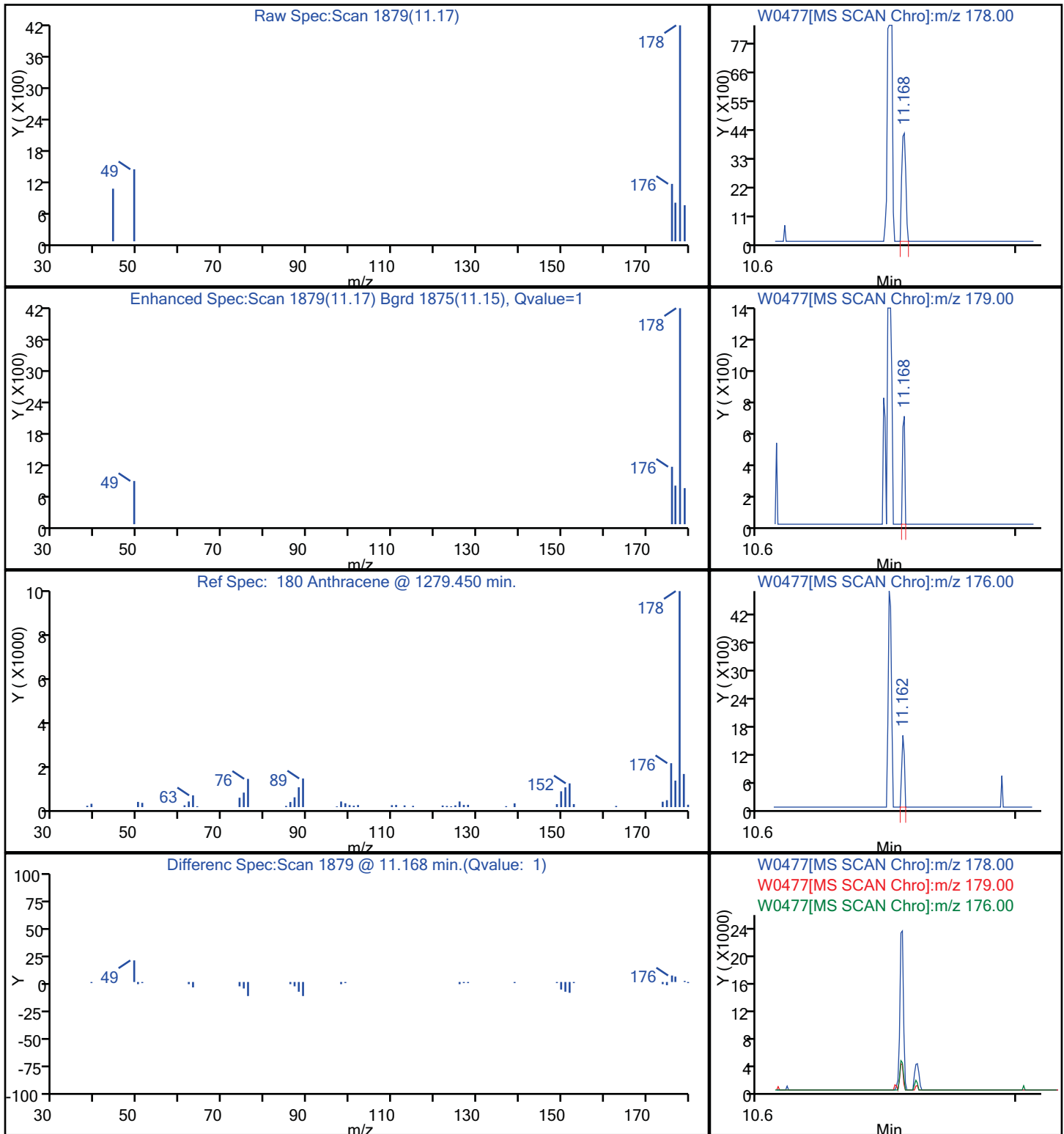
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

180 Anthracene



Data File: \\Bufchrom\ChromData\HP5973W\20110531-3546.b\W0477.D

Injection Date: 31-May-2011 10:07:30

Limit Group: MB - 8270C ICAL

Client ID: DW-3R

Instrument ID: HP5973W

Lims Batch ID: 18006

Lims Sample ID: 8

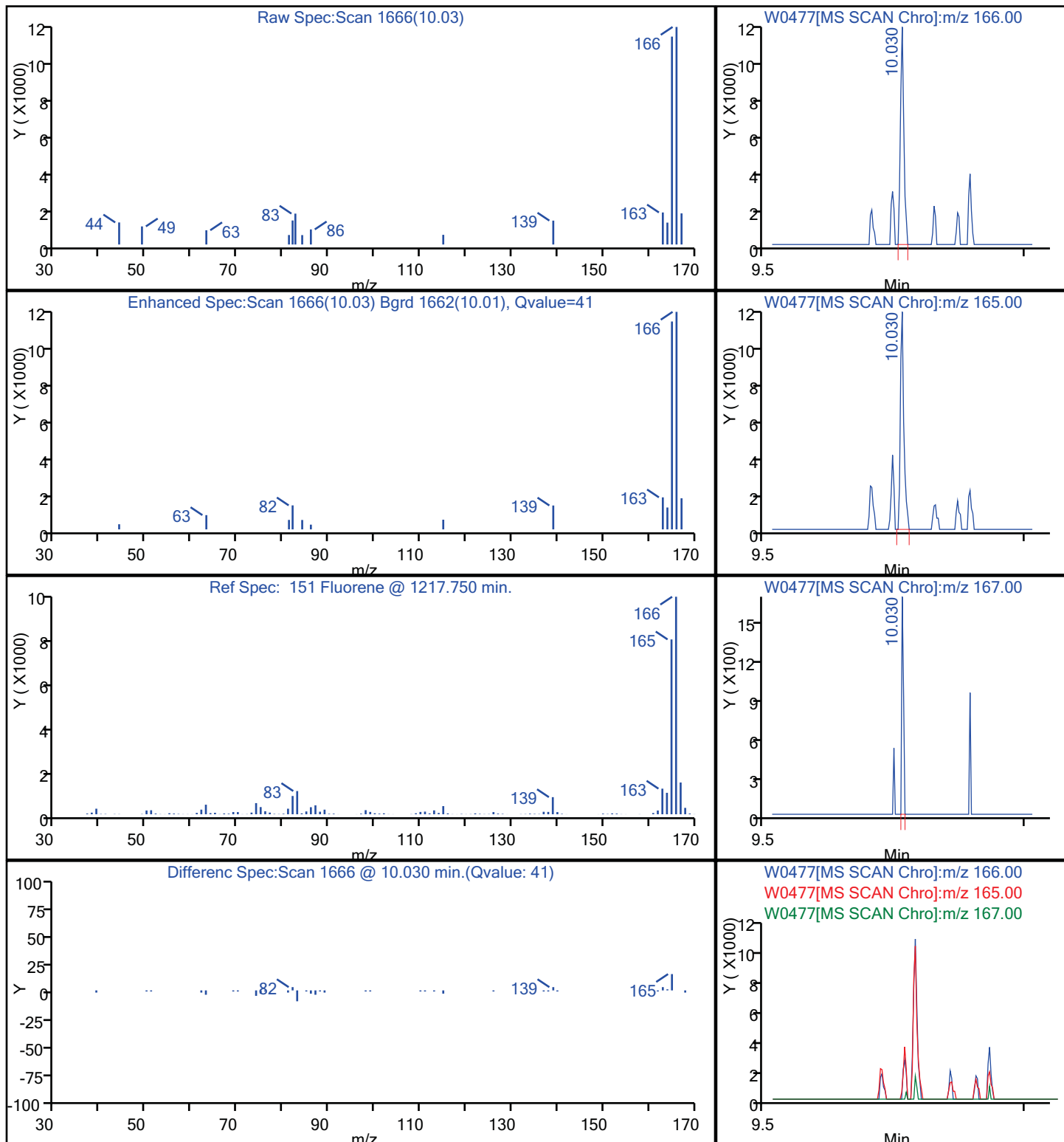
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

151 Fluorene



Report Date: 06-Jul-2011 10:11:35

Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\Bufchrom\ChromData\HP5973W\20110531-3546.b\W0477.D

Injection Date: 31-May-2011 10:07:30

Limit Group: MB - 8270C ICAL

Client ID: DW-3R

Instrument ID: HP5973W

Lims Batch ID: 18006

Lims Sample ID: 8

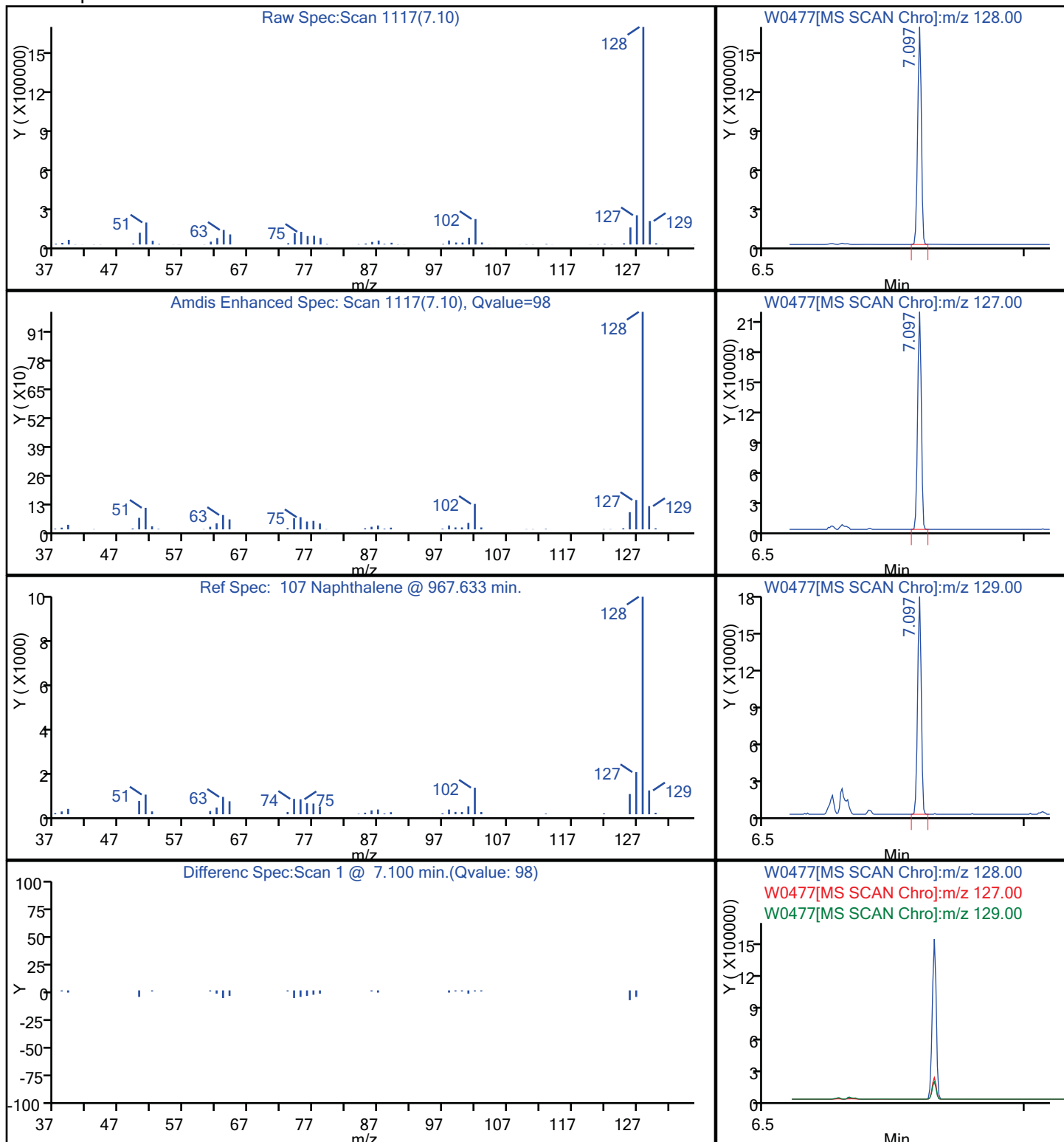
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

107 Naphthalene



Data File: \\Bufchrom\ChromData\HP5973W\20110531-3546.b\W0477.D

Injection Date: 31-May-2011 10:07:30

Limit Group: MB - 8270C ICAL

Client ID: DW-3R

Instrument ID: HP5973W

Lims Batch ID: 18006

Lims Sample ID: 8

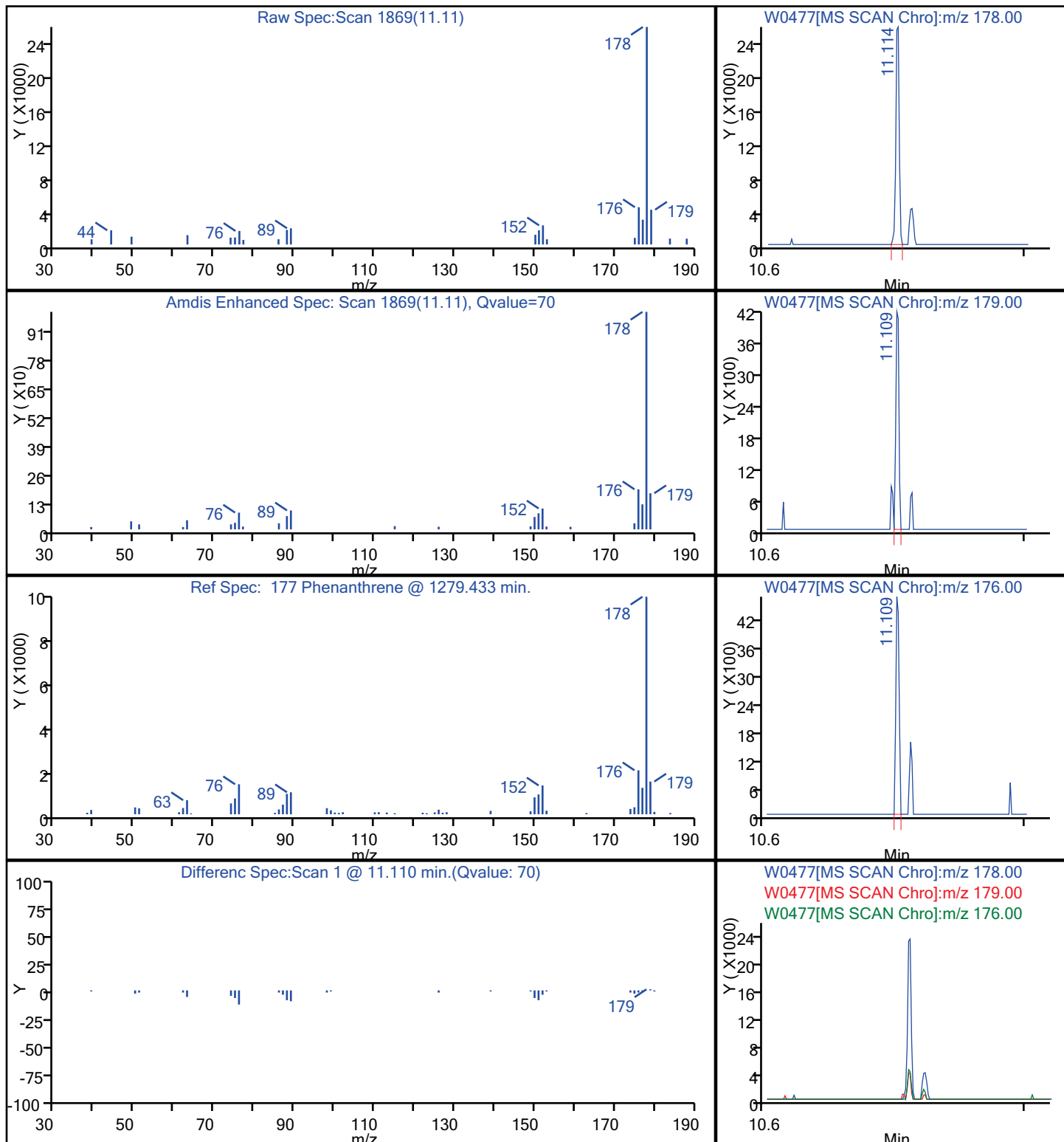
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

177 Phenanthrene



Report Date: 06-Jul-2011 10:11:35

Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\Bufchrom\ChromData\HP5973W\20110531-3546.b\W0477.D

Injection Date: 31-May-2011 10:07:30

Limit Group: MB - 8270C ICAL

Client ID: DW-3R

Instrument ID: HP5973W

Lims Batch ID: 18006

Lims Sample ID: 8

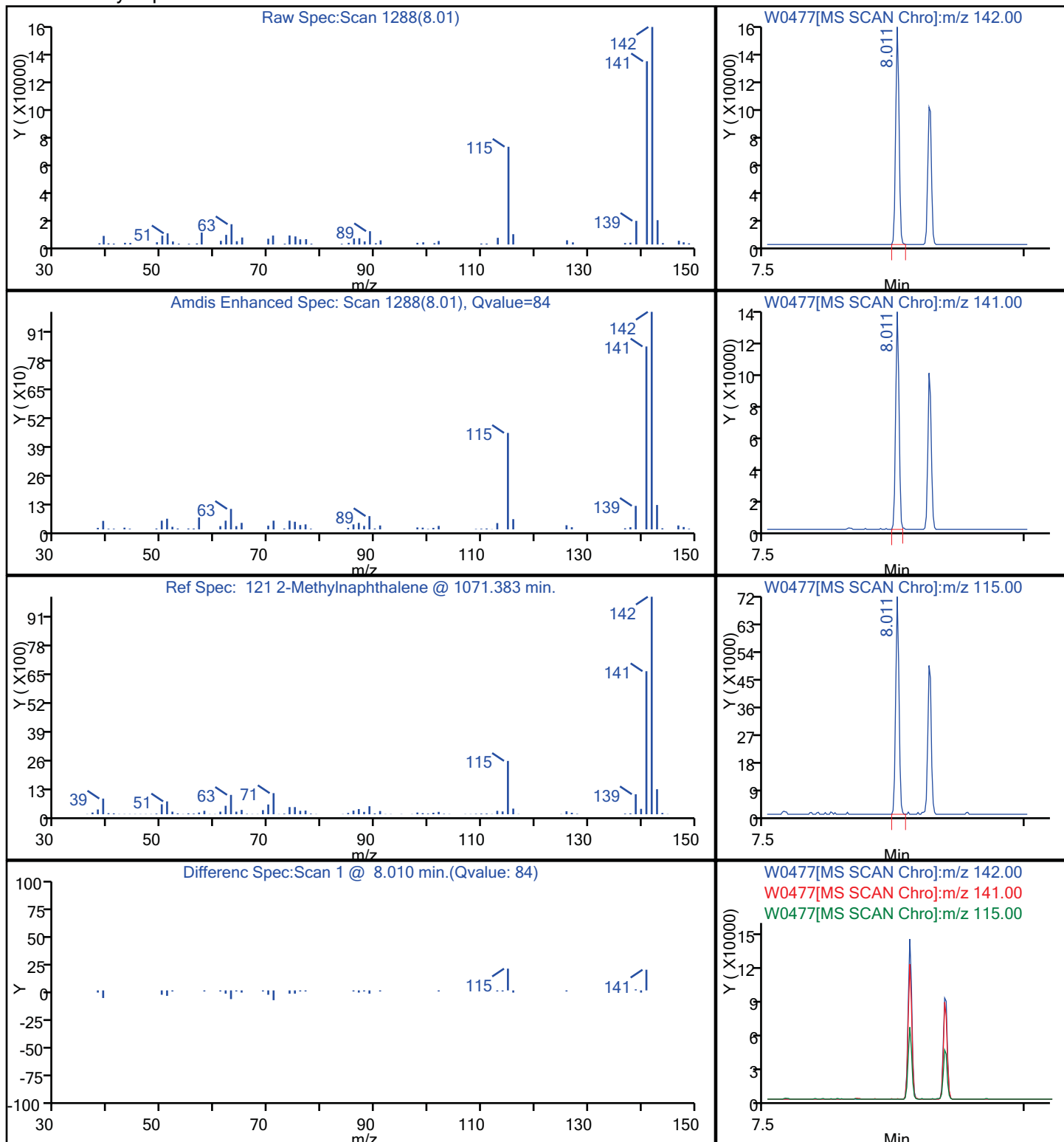
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

121 2-Methylnaphthalene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
 SDG No.: _____
 Client Sample ID: MW-8DR Lab Sample ID: 480-5174-1
 Matrix: Water Lab File ID: V0656.D
 Analysis Method: 8270C Date Collected: 05/18/2011 15:20
 Extract. Method: 3510C Date Extracted: 05/25/2011 08:46
 Sample wt/vol: 1000 (mL) Date Analyzed: 05/26/2011 12:37
 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.: 17611 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	160		5.0	0.41
208-96-8	Acenaphthylene	4.1	J	5.0	0.38
120-12-7	Anthracene	5.6		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	0.47	J	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	1.1	J	5.0	0.40
86-73-7	Fluorene	39		5.0	0.36
193-39-5	Indeno (1, 2, 3-c, d) pyrene	ND		5.0	0.47
91-20-3	Naphthalene	1400	E	5.0	0.76
85-01-8	Phenanthrene	29		5.0	0.44
129-00-0	Pyrene	1.2	J	5.0	0.34
91-57-6	2-Methylnaphthalene	490	E	5.0	0.60

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	84		46-120
321-60-8	2-Fluorobiphenyl	95		48-120
1718-51-0	p-Terphenyl-d14	96		24-136

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110526-3474.b\V0656.D
 Lims ID: 480-5174-A-1-A Client ID: MW-8RDR
 Inject. Date: 26-May-2011 12:37:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-0003474-010
 Misc. Info.: 480-5174-A-1-A
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 7
 Lims Batch ID: 17611 Lims Sample ID: 10
 Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973V\20110526-3474.b\V-8270.m
 Last Update: 27-May-2011 16:24:21 Calib Date: 25-May-2011 14:48:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110524-3425.b\V0604.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: pagem

Date: 27-May-2011 15:00:18

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.894	5.894	0.0	94	74075	40.0	
* 2 Naphthalene-d8	136	7.619	7.592	0.027	57	312129	40.0	
* 3 Acenaphthene-d10	164	9.863	9.863	0.0	91	185576	40.0	
* 4 Phenanthrene-d10	188	11.562	11.567	-0.005	96	306326	40.0	
* 5 Chrysene-d12	240	14.046	14.051	-0.005	98	353338	40.0	
* 6 Perylene-d12	264	15.365	15.371	-0.006	99	385484	40.0	
\$ 11 Nitrobenzene-d5	82	6.636	6.636	0.0	88	229033	83.8	
\$ 12 2-Fluorobiphenyl	172	9.008	9.013	-0.005	99	553915	95.2	
\$ 14 p-Terphenyl-d14	244	13.111	13.106	0.0	97	738348	96.1	
121 Naphthalene	128	7.673	7.619	0.054	93	10252262	1360.5	E
149 Acenaphthylene	152	9.681	9.681	0.0	74	31841	4.11	
151 Acenaphthene	153	9.906	9.906	0.0	93	774845	159.6	
161 Fluorene	166	10.531	10.531	0.0	83	237951	39.4	
185 Phenanthrene	178	11.589	11.594	-0.006	96	232171	28.5	
188 Anthracene	178	11.637	11.642	-0.005	94	45234	5.55	
197 Fluoranthene	202	12.758	12.764	-0.006	61	9970	1.07	
199 Pyrene	202	12.972	12.977	-0.005	85	11901	1.18	
209 Benzo[a]anthracene	228		14.040					
211 Chrysene	228		14.073					
213 Benzo[b]fluoranthene	252		14.997					
214 Benzo[k]fluoranthene	252		15.023					
217 Benzo[a]pyrene	252		15.317					
219 Indeno[1,2,3-cd]pyrene	276	16.525	16.546	-0.021	29	5422	0.4240	
220 Dibenz(a,h)anthracene	278	16.535	16.551	-0.016	1	3899	0.3593	
221 Benzo[g,h,i]perylene	276	16.861	16.883	-0.022	26	4778	0.4702	
133 2-Methylnaphthalene	142	8.538	8.527	0.011	82	2598768	492.4	E

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Report Date: 06-Jul-2011 10:13:05

Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File:

\\Bufchrom\ChromData\HP5973V\20110526-3474.b\V0656.D

Injection Date:

26-May-2011 12:37:30

Client ID:

MW-8RDR

Limit Group:

MB - 8270C ICAL

Injection ID:

17611

Instrument ID:

HP5973V

Lims Batch ID:

MKP

Lims Sample ID:

10

Operator ID:

RXI-5Sil MS

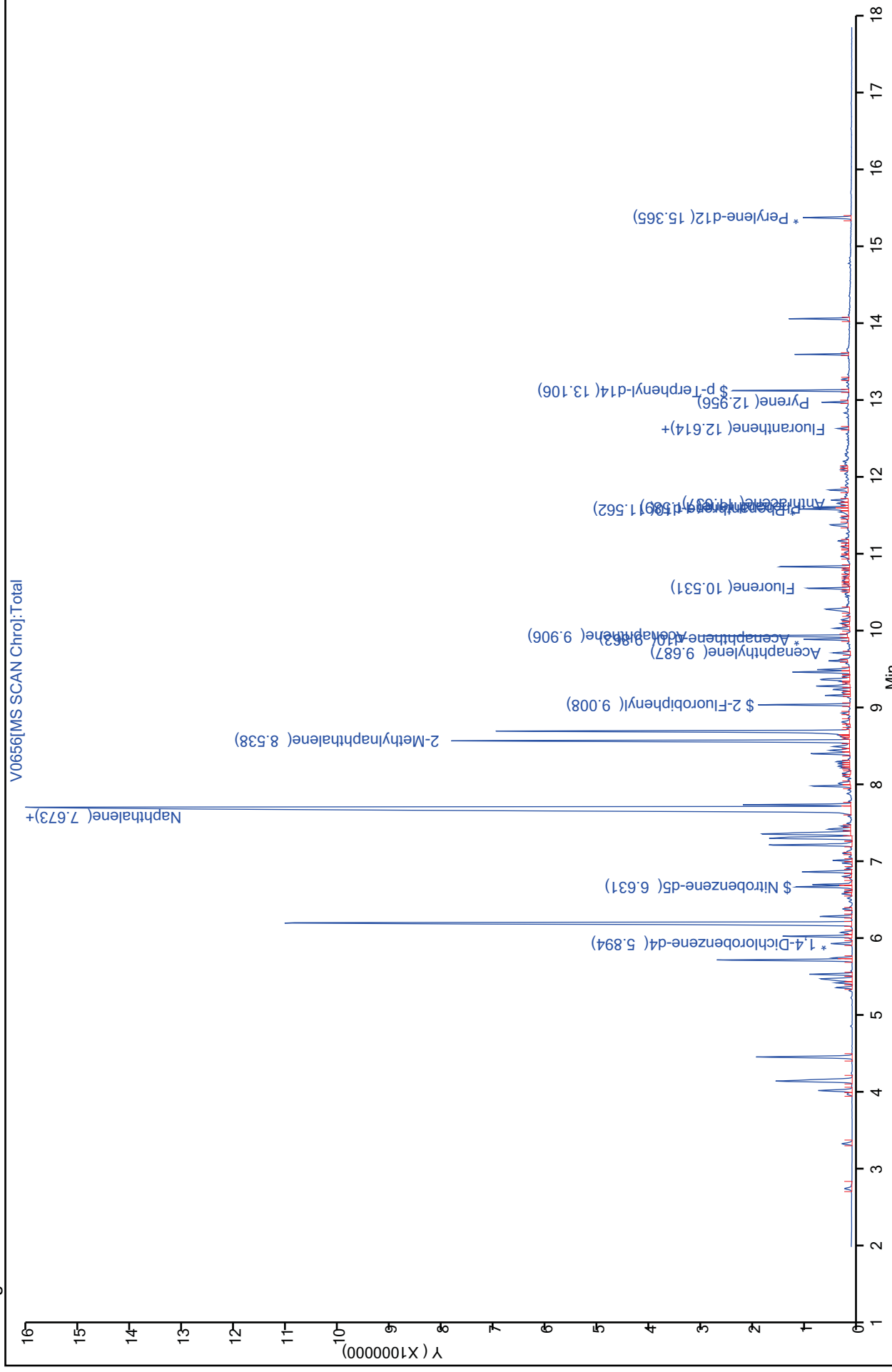
Injection Vol:

1.00 ul

Column Type:

0.25 mm

Y Scaling:



Report Date: 06-Jul-2011 10:13:05

Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\Bufchrom\ChromData\HP5973V\20110526-3474.b\V0656.D

Injection Date: 26-May-2011 12:37:30

Limit Group: MB - 8270C ICAL

Client ID: MW-8RDR

Instrument ID: HP5973V

Lims Batch ID: 17611

Lims Sample ID: 10

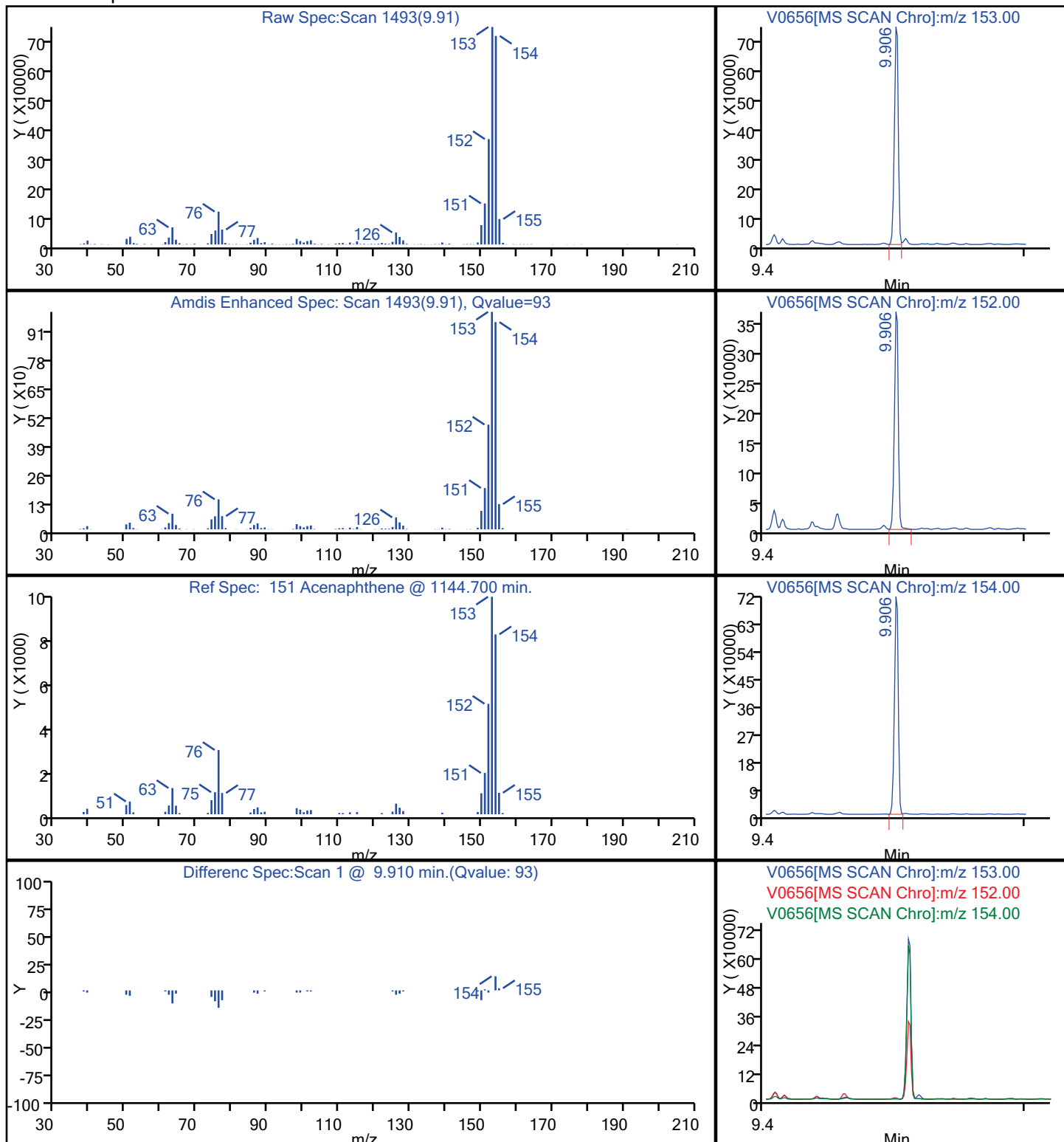
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

151 Acenaphthene



Report Date: 06-Jul-2011 10:13:05

Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\Bufchrom\ChromData\HP5973V\20110526-3474.b\V0656.D

Injection Date: 26-May-2011 12:37:30

Limit Group: MB - 8270C ICAL

Client ID: MW-8RDR

Instrument ID: HP5973V

Lims Batch ID: 17611

Lims Sample ID: 10

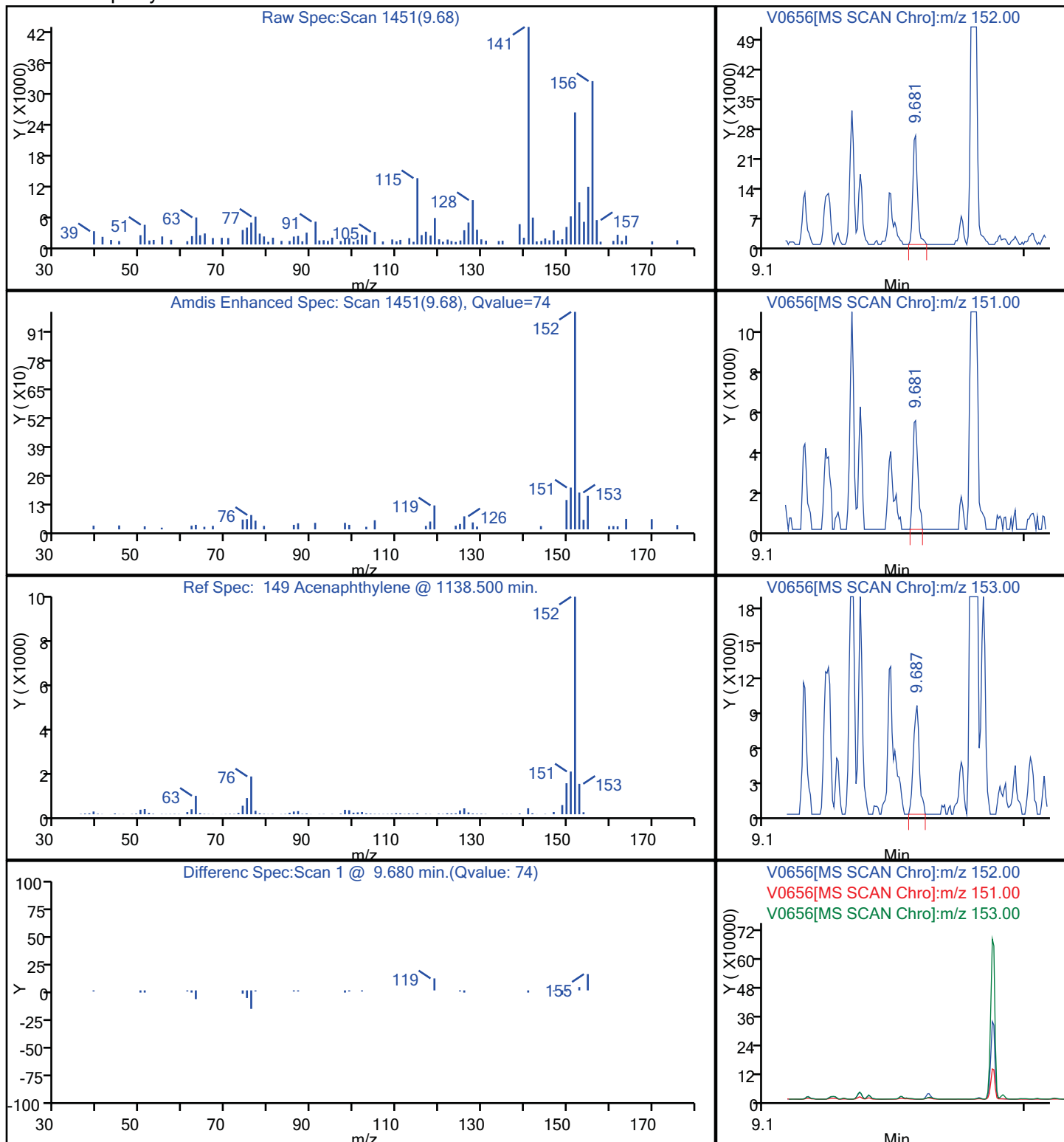
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

149 Acenaphthylene



Data File: \\Bufchrom\ChromData\HP5973V\20110526-3474.b\V0656.D

Injection Date: 26-May-2011 12:37:30

Limit Group: MB - 8270C ICAL

Client ID: MW-8RDR

Instrument ID: HP5973V

Lims Batch ID: 17611

Lims Sample ID: 10

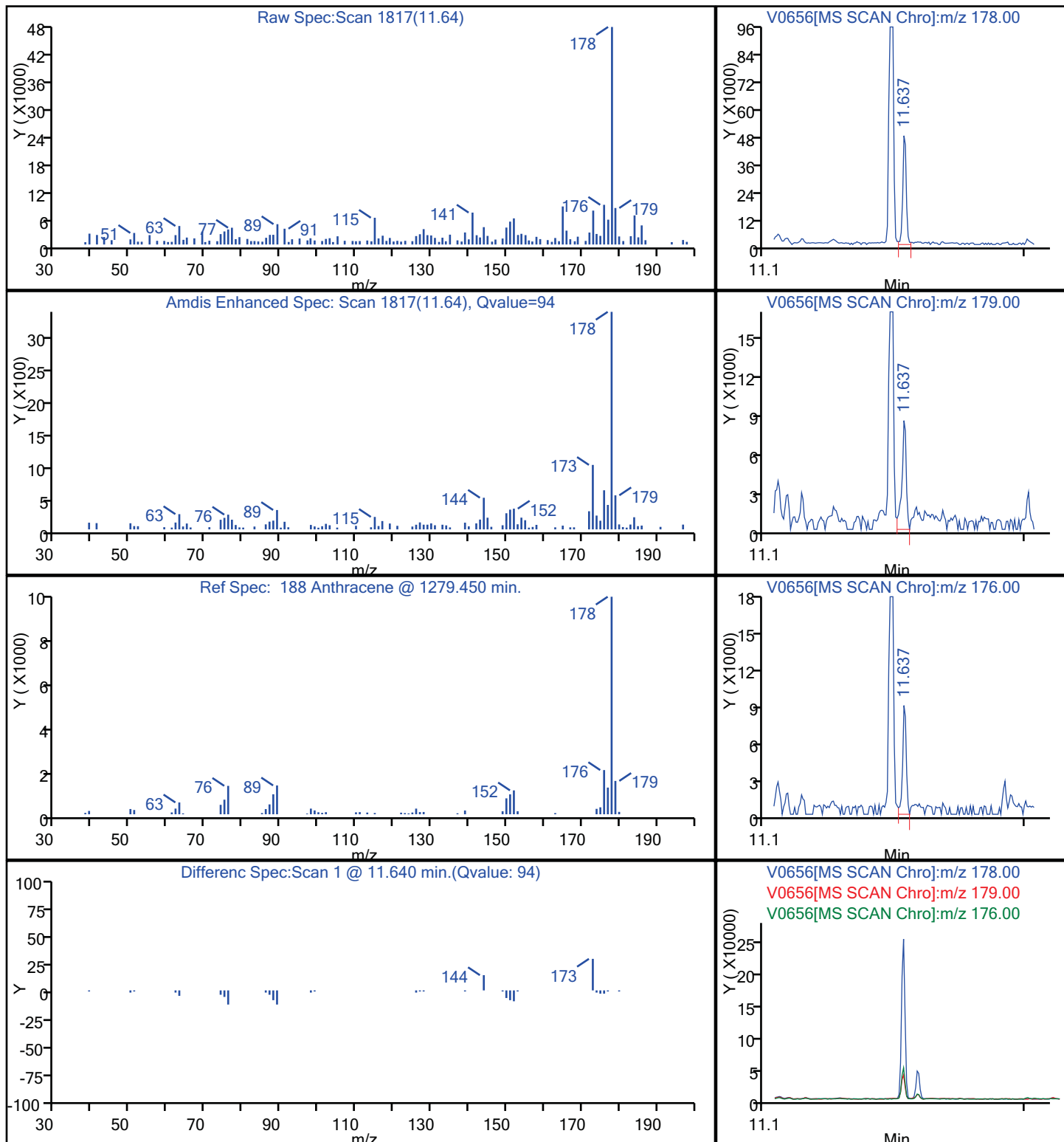
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

188 Anthracene



Data File: \\Bufchrom\ChromData\HP5973V\20110526-3474.b\V0656.D

Injection Date: 26-May-2011 12:37:30

Limit Group: MB - 8270C ICAL

Client ID: MW-8RDR

Instrument ID: HP5973V

Lims Batch ID: 17611

Lims Sample ID: 10

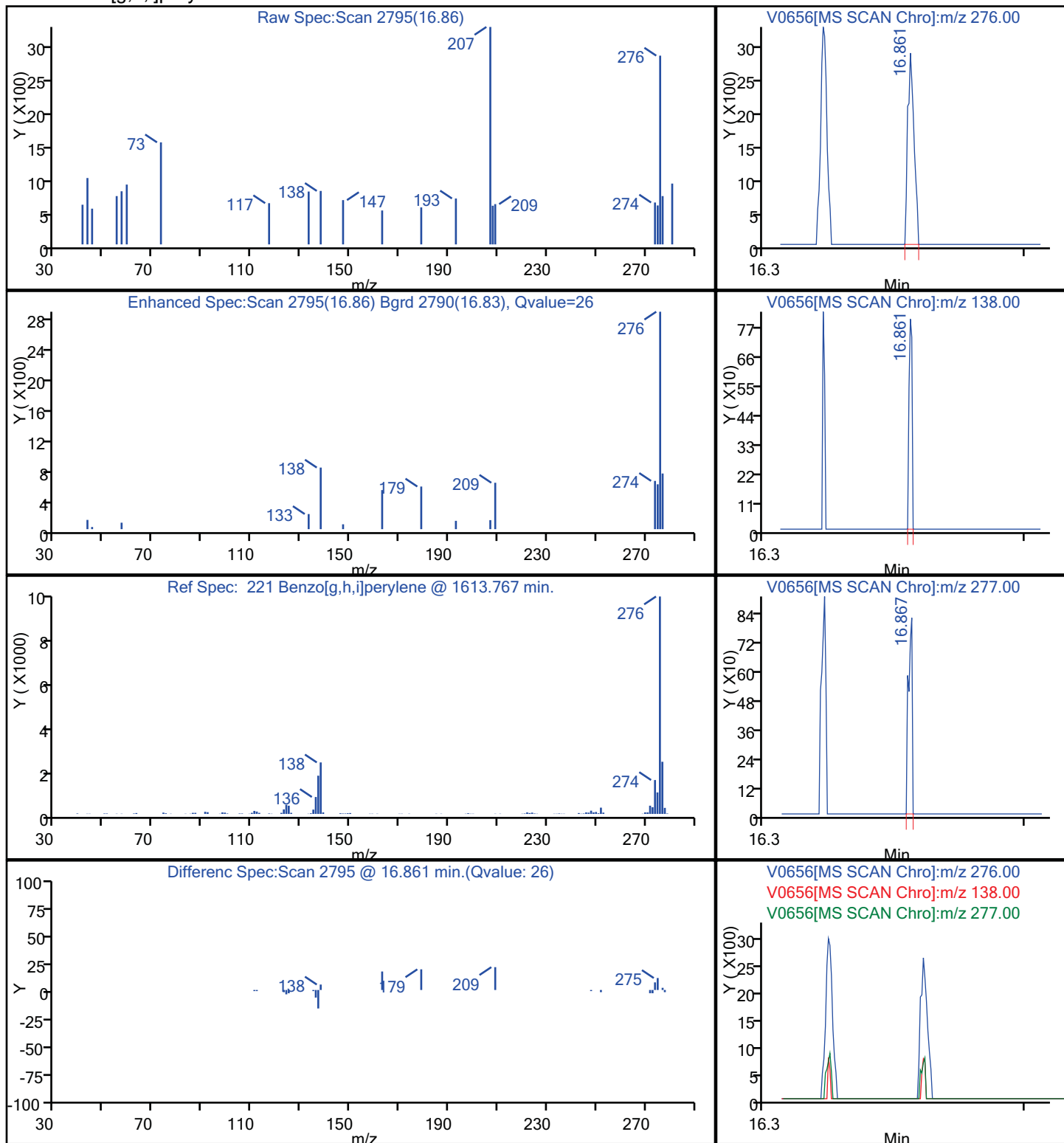
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

221 Benzo[g,h,i]perylene



Data File: \\Bufchrom\ChromData\HP5973V\20110526-3474.b\V0656.D

Injection Date: 26-May-2011 12:37:30

Limit Group: MB - 8270C ICAL

Client ID: MW-8RDR

Instrument ID: HP5973V

Lims Batch ID: 17611

Lims Sample ID: 10

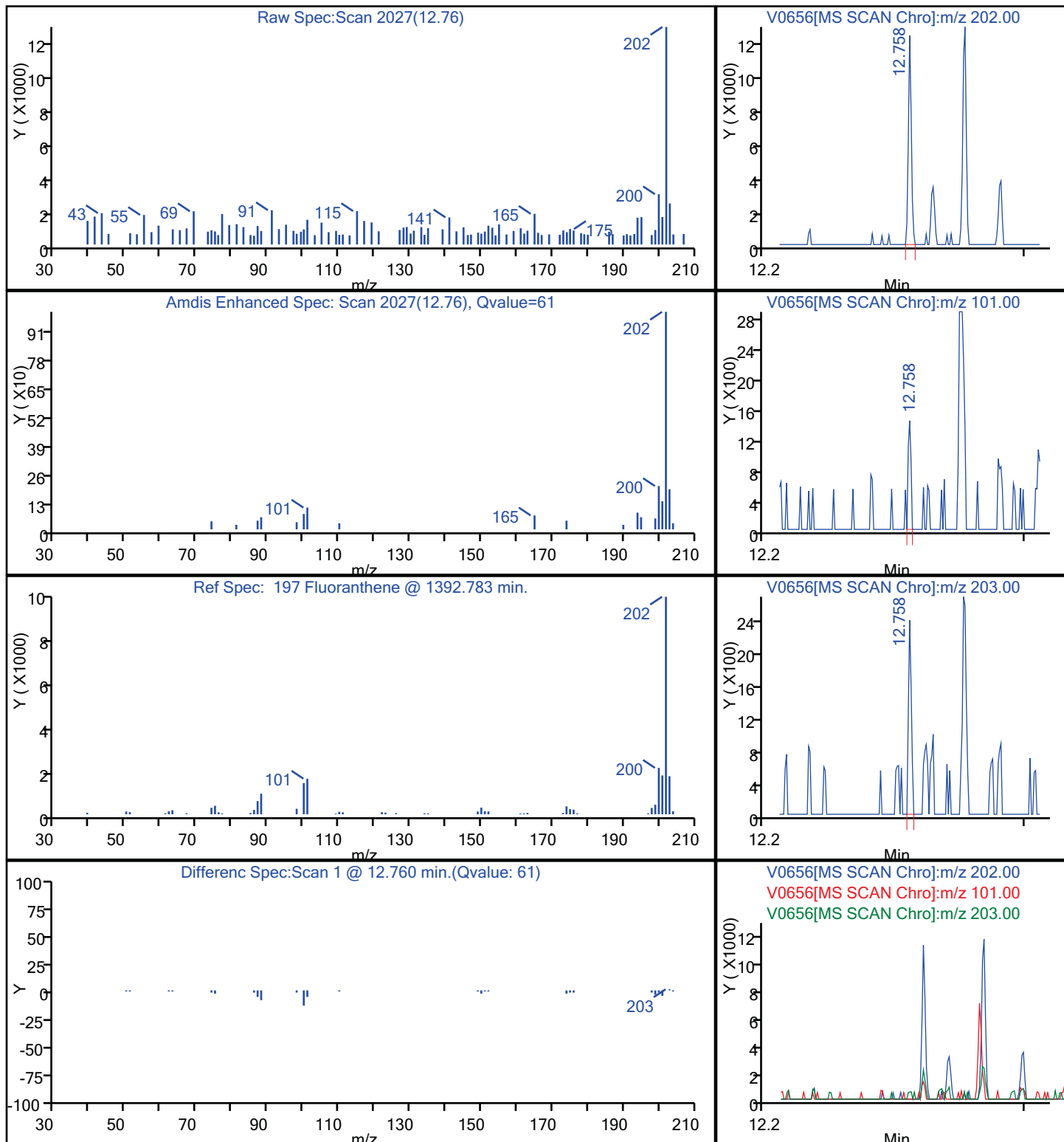
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

197 Fluoranthene



Report Date: 06-Jul-2011 10:13:05

Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\Bufchrom\ChromData\HP5973V\20110526-3474.b\V0656.D

Injection Date: 26-May-2011 12:37:30

Limit Group: MB - 8270C ICAL

Client ID: MW-8RDR

Instrument ID: HP5973V

Lims Batch ID: 17611

Lims Sample ID: 10

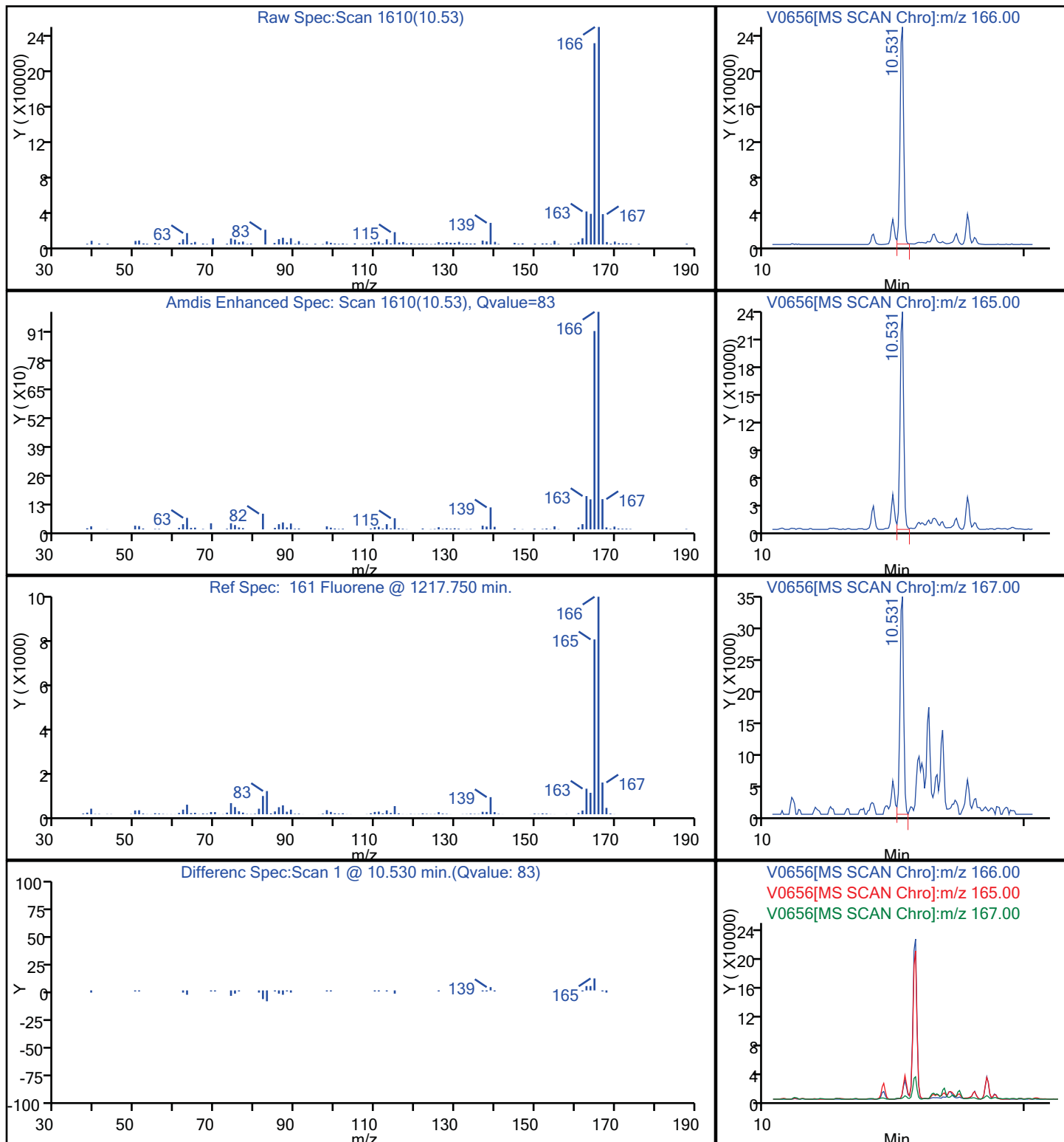
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

161 Fluorene



Report Date: 06-Jul-2011 10:13:05

Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\Bufchrom\ChromData\HP5973V\20110526-3474.b\V0656.D

Injection Date: 26-May-2011 12:37:30

Limit Group: MB - 8270C ICAL

Client ID: MW-8RDR

Instrument ID: HP5973V

Lims Batch ID: 17611

Lims Sample ID: 10

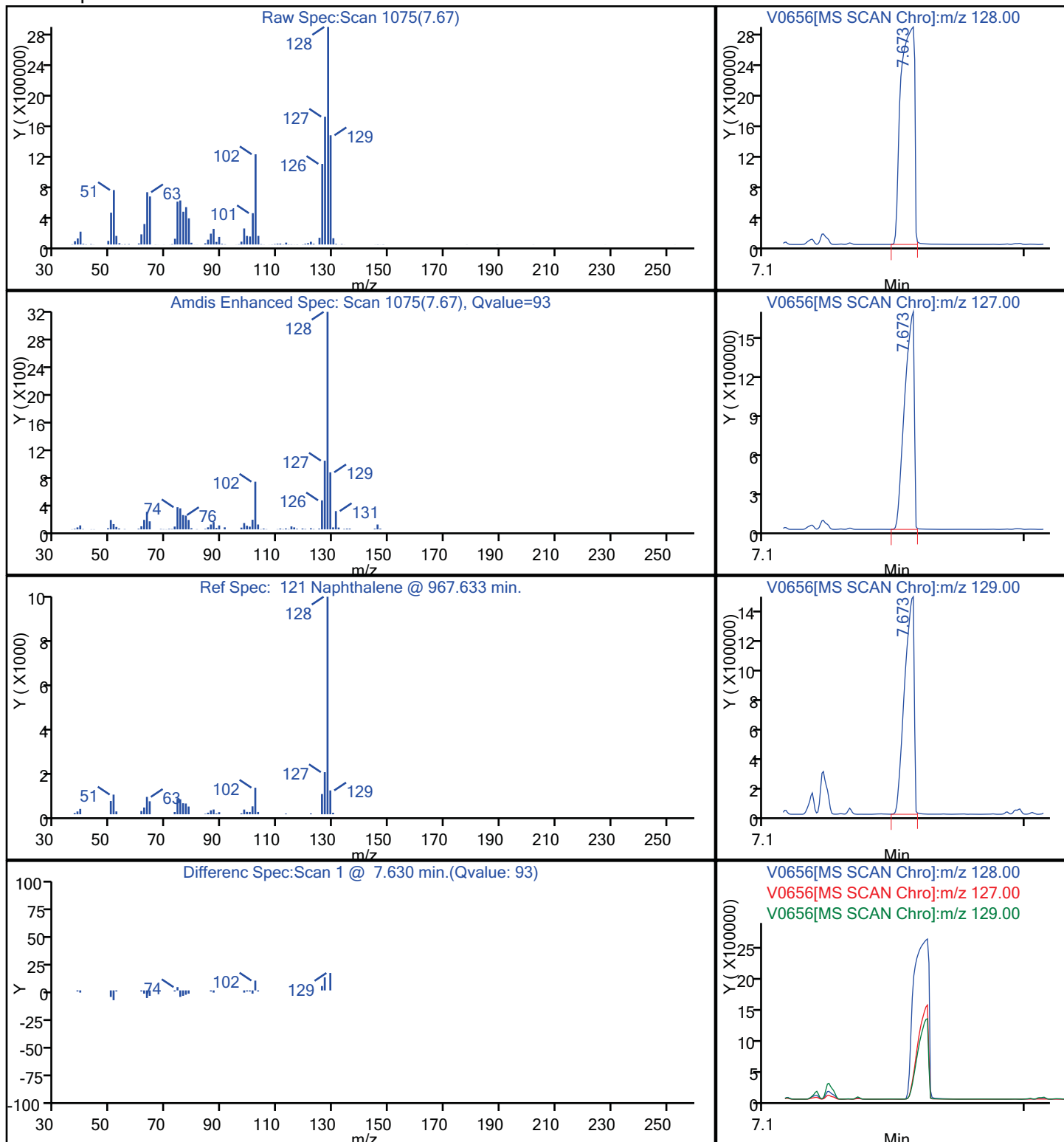
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

121 Naphthalene



Report Date: 06-Jul-2011 10:13:05

Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\Bufchrom\ChromData\HP5973V\20110526-3474.b\V0656.D

Injection Date: 26-May-2011 12:37:30

Limit Group: MB - 8270C ICAL

Client ID: MW-8RDR

Instrument ID: HP5973V

Lims Batch ID: 17611

Lims Sample ID: 10

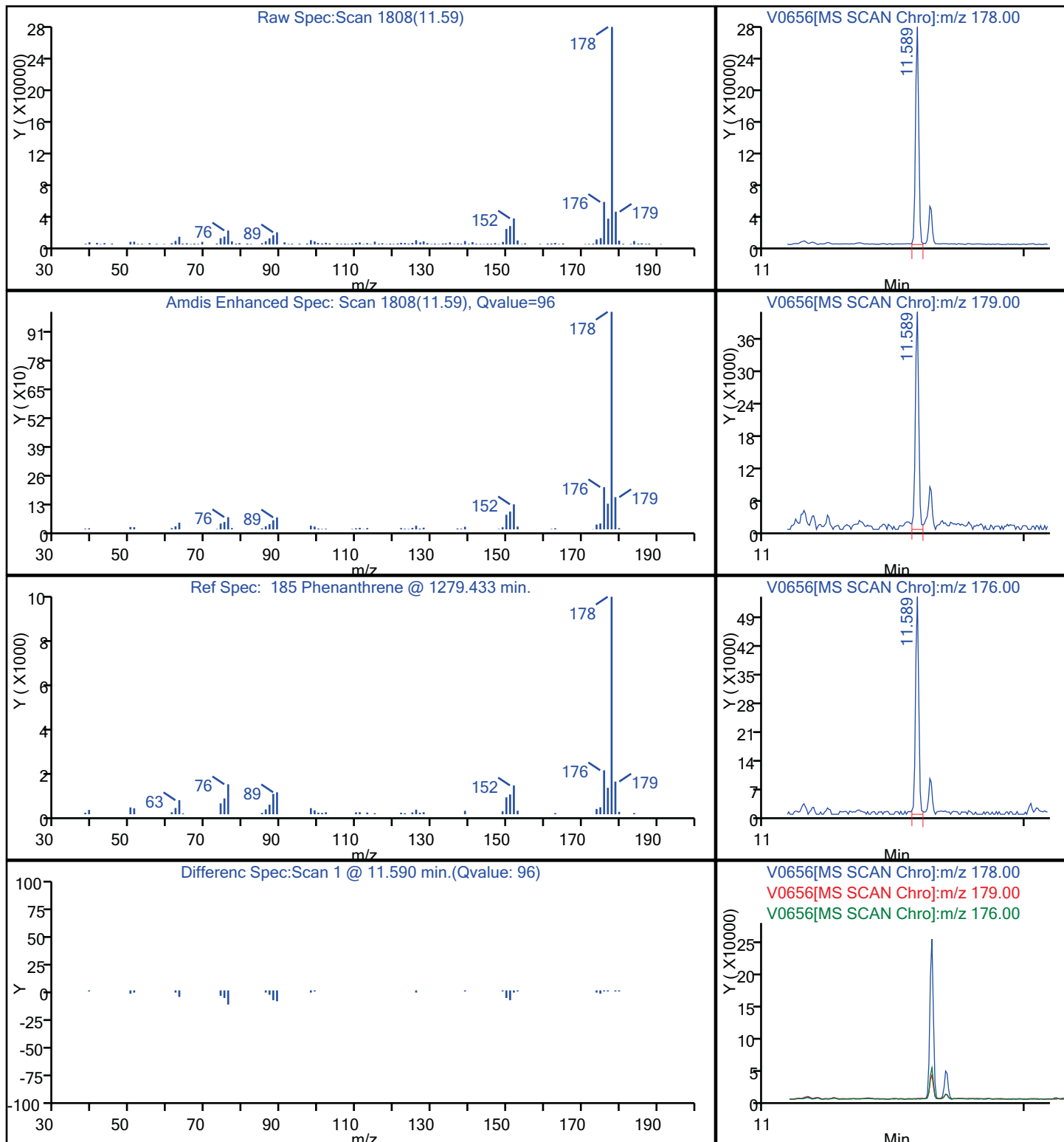
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

185 Phenanthrene



Report Date: 06-Jul-2011 10:13:05

Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\Bufchrom\ChromData\HP5973V\20110526-3474.b\V0656.D

Injection Date: 26-May-2011 12:37:30

Limit Group: MB - 8270C ICAL

Client ID: MW-8RDR

Instrument ID: HP5973V

Lims Batch ID: 17611

Lims Sample ID: 10

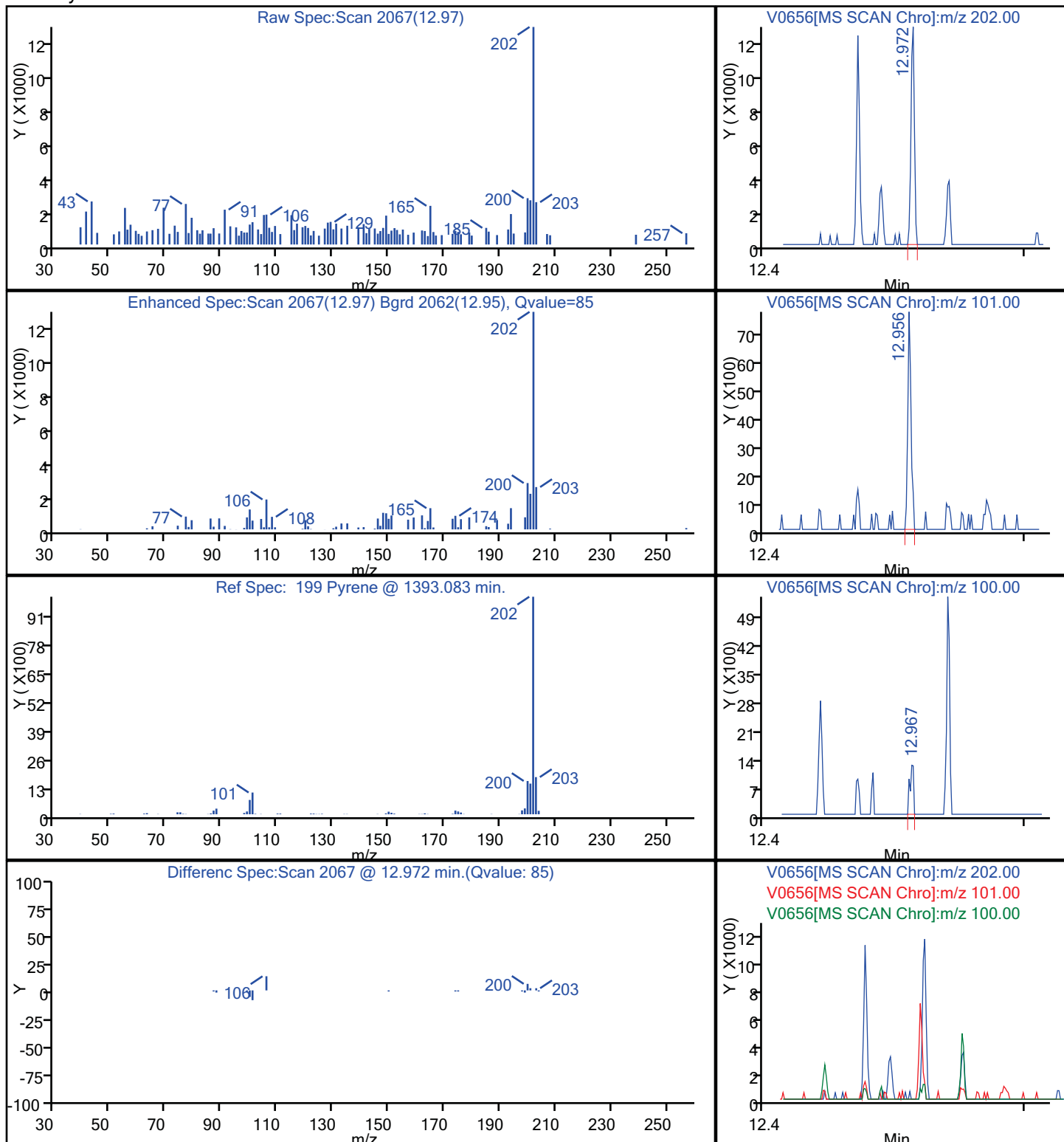
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

199 Pyrene



Report Date: 06-Jul-2011 10:13:06

Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\Bufchrom\ChromData\HP5973V\20110526-3474.b\V0656.D

Injection Date: 26-May-2011 12:37:30

Limit Group: MB - 8270C ICAL

Client ID: MW-8RDR

Instrument ID: HP5973V

Lims Batch ID: 17611

Lims Sample ID: 10

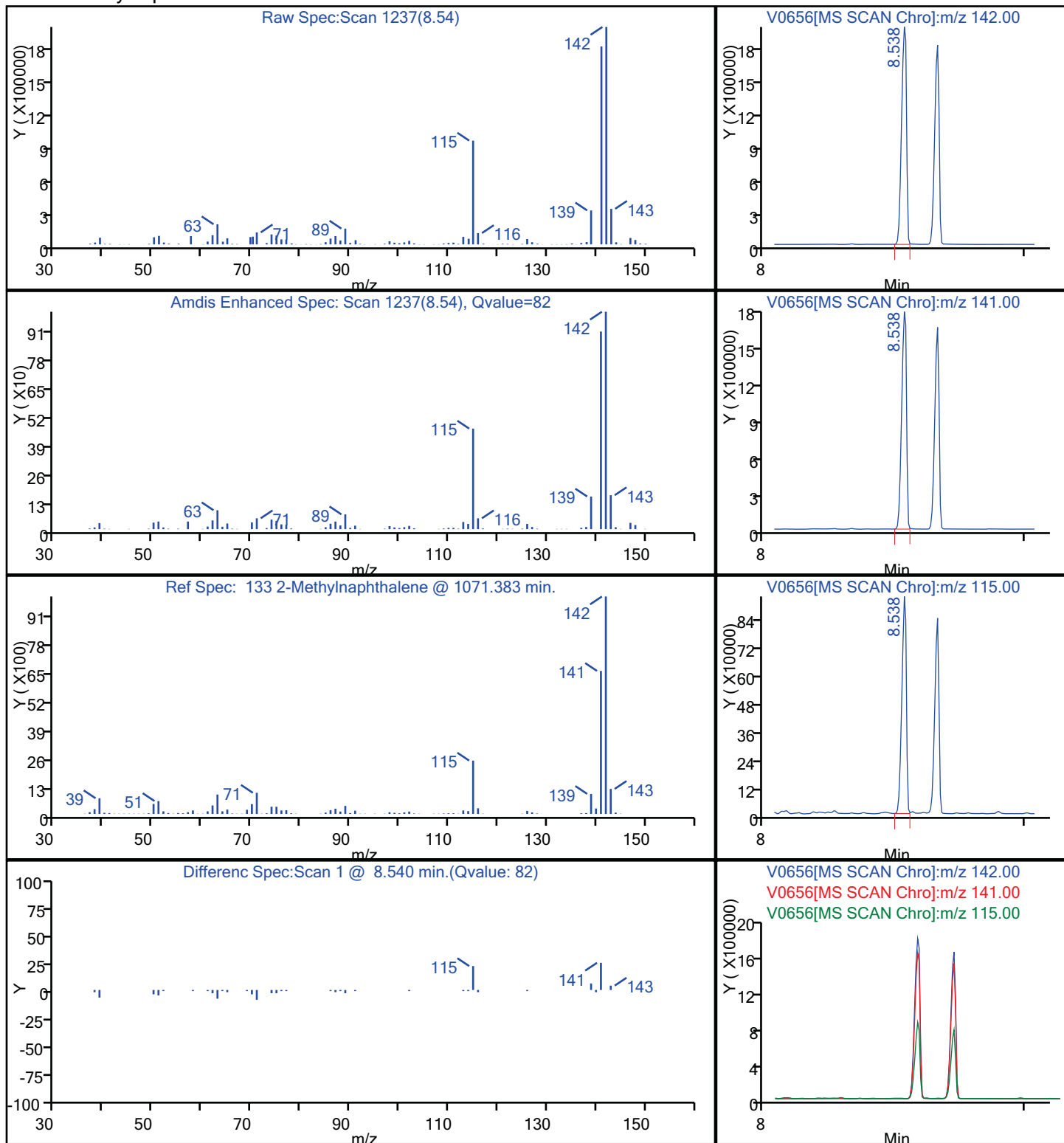
Operator ID: MKP

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.: 480-5072-1
 SDG No.: _____
 Client Sample ID: MW-8DR DL Lab Sample ID: 480-5174-1 DL
 Matrix: Water Lab File ID: V0696.D
 Analysis Method: 8270C Date Collected: 05/18/2011 15:20
 Extract. Method: 3510C Date Extracted: 05/25/2011 08:46
 Sample wt/vol: 1000 (mL) Date Analyzed: 05/27/2011 09:20
 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.: 17775 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	160	J	250	21
208-96-8	Acenaphthylene	ND		250	19
120-12-7	Anthracene	ND		250	14
56-55-3	Benz(a)anthracene	ND		250	18
50-32-8	Benzo(a)pyrene	ND		250	24
205-99-2	Benzo(b)fluoranthene	ND		250	17
191-24-2	Benzo(g,h,i)perylene	ND		250	18
207-08-9	Benzo(k)fluoranthene	ND		250	37
218-01-9	Chrysene	ND		250	17
53-70-3	Dibenz(a,h)anthracene	ND		250	21
206-44-0	Fluoranthene	ND		250	20
86-73-7	Fluorene	32	J	250	18
193-39-5	Indeno(1,2,3-c,d)pyrene	ND		250	24
91-20-3	Naphthalene	4600		250	38
85-01-8	Phenanthrene	26	J	250	22
129-00-0	Pyrene	ND		250	17
91-57-6	2-Methylnaphthalene	570		250	30

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	64		46-120
321-60-8	2-Fluorobiphenyl	92		48-120
1718-51-0	p-Terphenyl-d14	86		24-136

TestAmerica Laboratories
Target Compound Quantitation Report

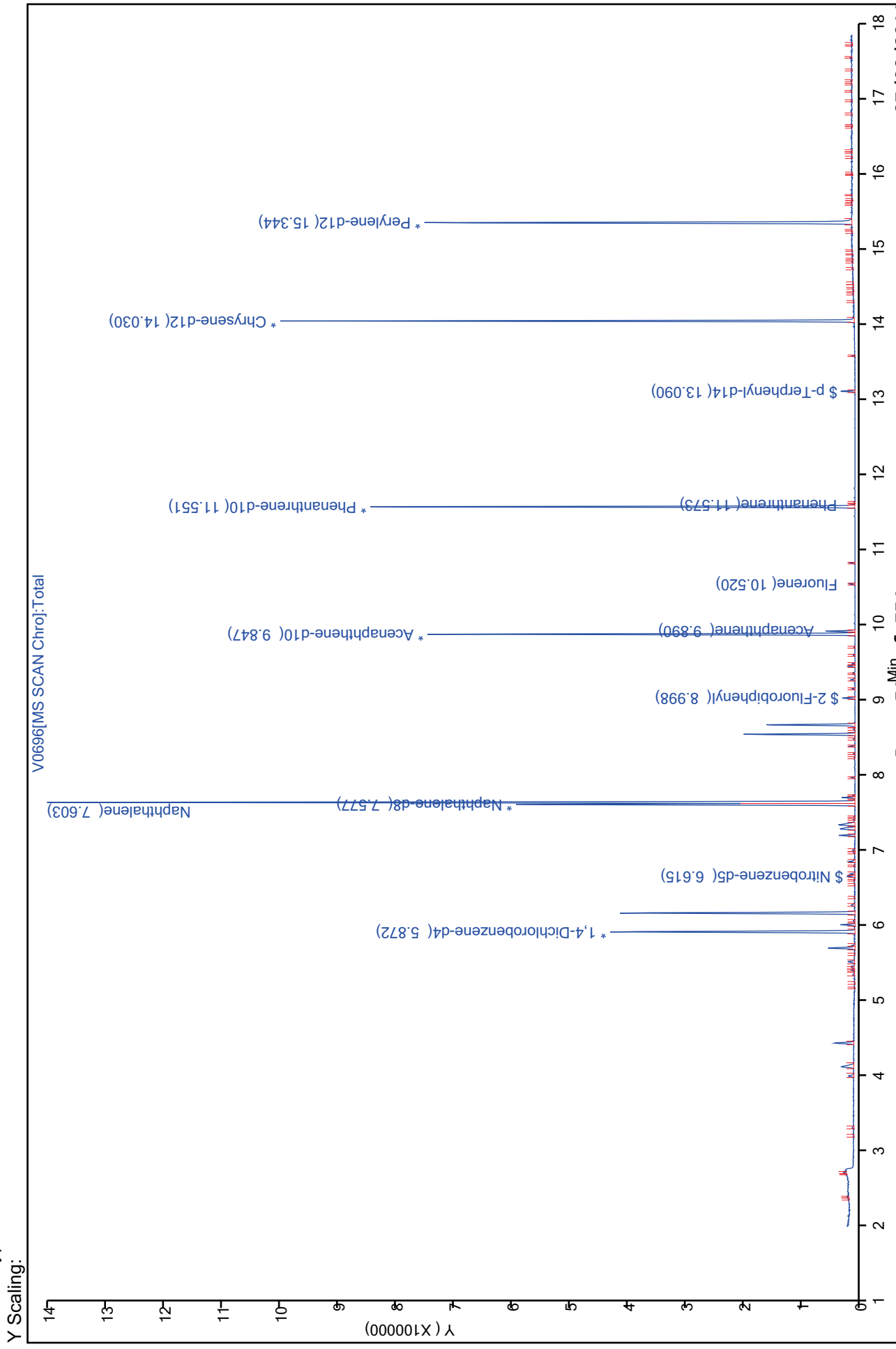
Data File: \\Bufchrom\ChromData\HP5973V\20110527-3502.b\V0696.D
 Lims ID: 480-5174-A-1-A Client ID: MW-8RDR
 Inject. Date: 27-May-2011 09:20:30 Dil. Factor: 50.0000
 Sample Type: Client
 Sample ID: 480-0003502-005
 Misc. Info.: 480-5174-A-1-A
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 17775 Lims Sample ID: 5
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110527-3502.b\V-8270.m
 Last Update: 31-May-2011 13:22:50 Calib Date: 25-May-2011 14:48:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110524-3425.b\V0604.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: pagem

Date: 27-May-2011 16:27:41

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.872	5.872	0.0	95	72029	40.0	
* 2 Naphthalene-d8	136	7.577	7.576	0.001	96	284805	40.0	
* 3 Acenaphthene-d10	164	9.847	9.847	0.0	90	168324	40.0	
* 4 Phenanthrene-d10	188	11.551	11.551	0.0	97	279983	40.0	
* 5 Chrysene-d12	240	14.030	14.030	0.0	97	297111	40.0	
* 6 Perylene-d12	264	15.344	15.344	0.0	99	302873	40.0	
\$ 11 Nitrobenzene-d5	82	6.620	6.620	0.0	7	3203	1.28	
\$ 12 2-Fluorobiphenyl	172	8.998	8.992	0.001	6	9680	1.83	
\$ 14 p-Terphenyl-d14	244	13.095	13.090	0.0	7	11119	1.72	
121 Naphthalene	128	7.603	7.603	0.0	97	632190	91.9	
149 Acenaphthylene	152		9.665					
151 Acenaphthene	153	9.890	9.890	0.0	66	13650	3.10	
161 Fluorene	166	10.520	10.515	0.005	17	3485	0.6366	
185 Phenanthrene	178	11.573	11.578	-0.005	1	3949	0.5298	
188 Anthracene	178		11.626					
197 Fluoranthene	202		12.748					
199 Pyrene	202		12.961					
209 Benzo[a]anthracene	228		14.024					
211 Chrysene	228		14.057					
213 Benzo[b]fluoranthene	252		14.975					
214 Benzo[k]fluoranthene	252		15.002					
217 Benzo[a]pyrene	252		15.291					
219 Indeno[1,2,3-cd]pyrene	276		16.514					
220 Dibenz(a,h)anthracene	278		16.514					
221 Benzo[g,h,i]perylene	276		16.845					
133 2-Methylnaphthalene	142	8.511	8.511	0.0	79	54341	11.3	

Report Date: 06-Jul-2011 10:15:24
Data File: \\Bufchrom\ChromData\HP5973V\20110527-3502.b\V0696.D
Injection Date: 27-May-2011 09:20:30
Client ID: MW-8RDR
Lims Batch ID: 17775
Operator ID: MKP
Column Type: RXI-5Sil MS
Chrom Revision: 1.2 30-Jun-2011 15:02:28
Limit Group: MB - 8270C ICAL
Instrument ID: HP5973V
Lims Sample ID: 5
Injection Vol: 1.00 ul
Column Dia: 0.25 mm



Report Date: 06-Jul-2011 10:15:24

Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\Bufchrom\ChromData\HP5973V\20110527-3502.b\V0696.D

Injection Date: 27-May-2011 09:20:30

Limit Group: MB - 8270C ICAL

Client ID: MW-8RDR

Instrument ID: HP5973V

Lims Batch ID: 17775

Lims Sample ID: 5

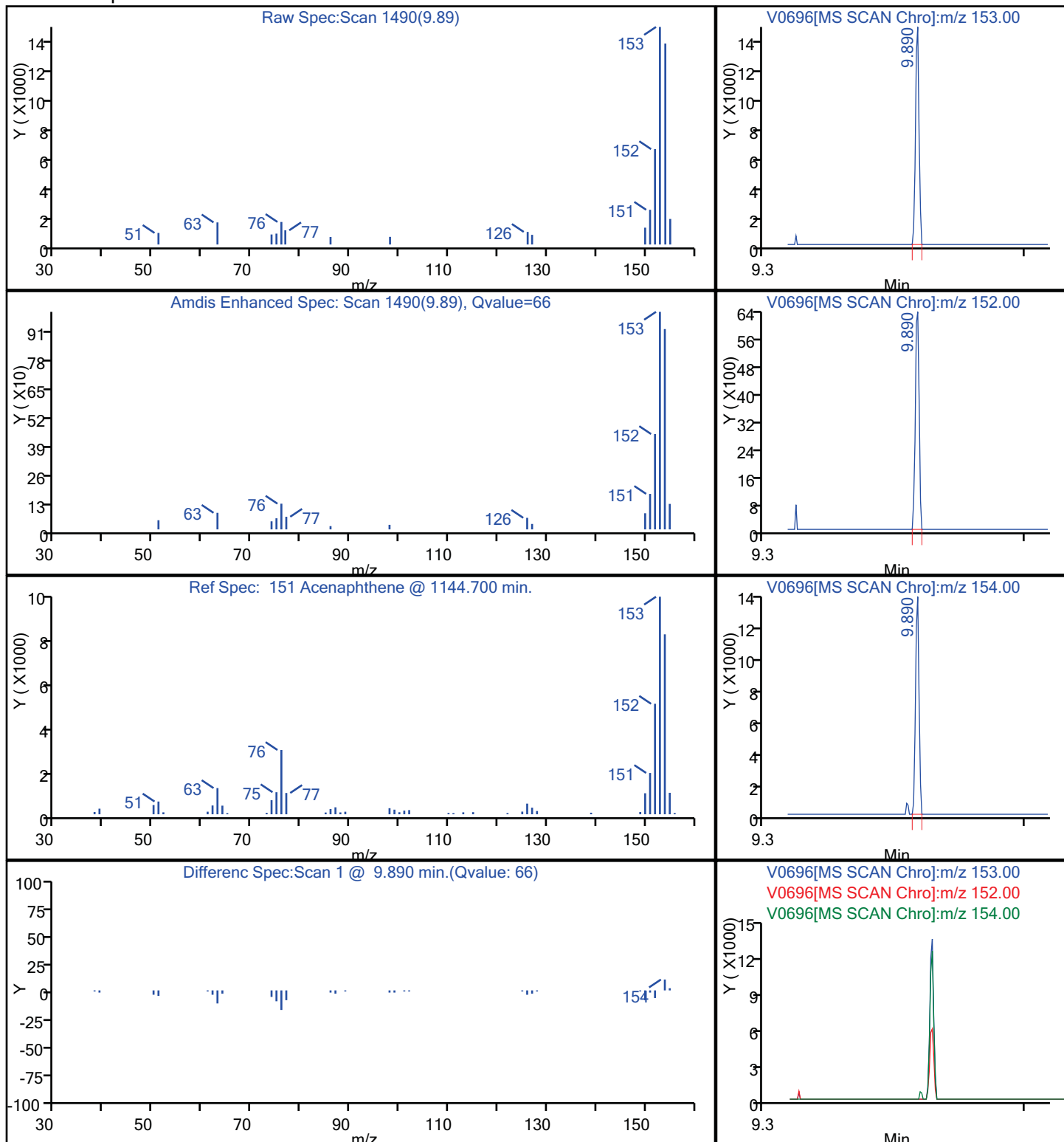
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

151 Acenaphthene



Report Date: 06-Jul-2011 10:15:24

Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\Bufchrom\ChromData\HP5973V\20110527-3502.b\V0696.D

Injection Date: 27-May-2011 09:20:30

Limit Group: MB - 8270C ICAL

Client ID: MW-8RDR

Instrument ID: HP5973V

Lims Batch ID: 17775

Lims Sample ID: 5

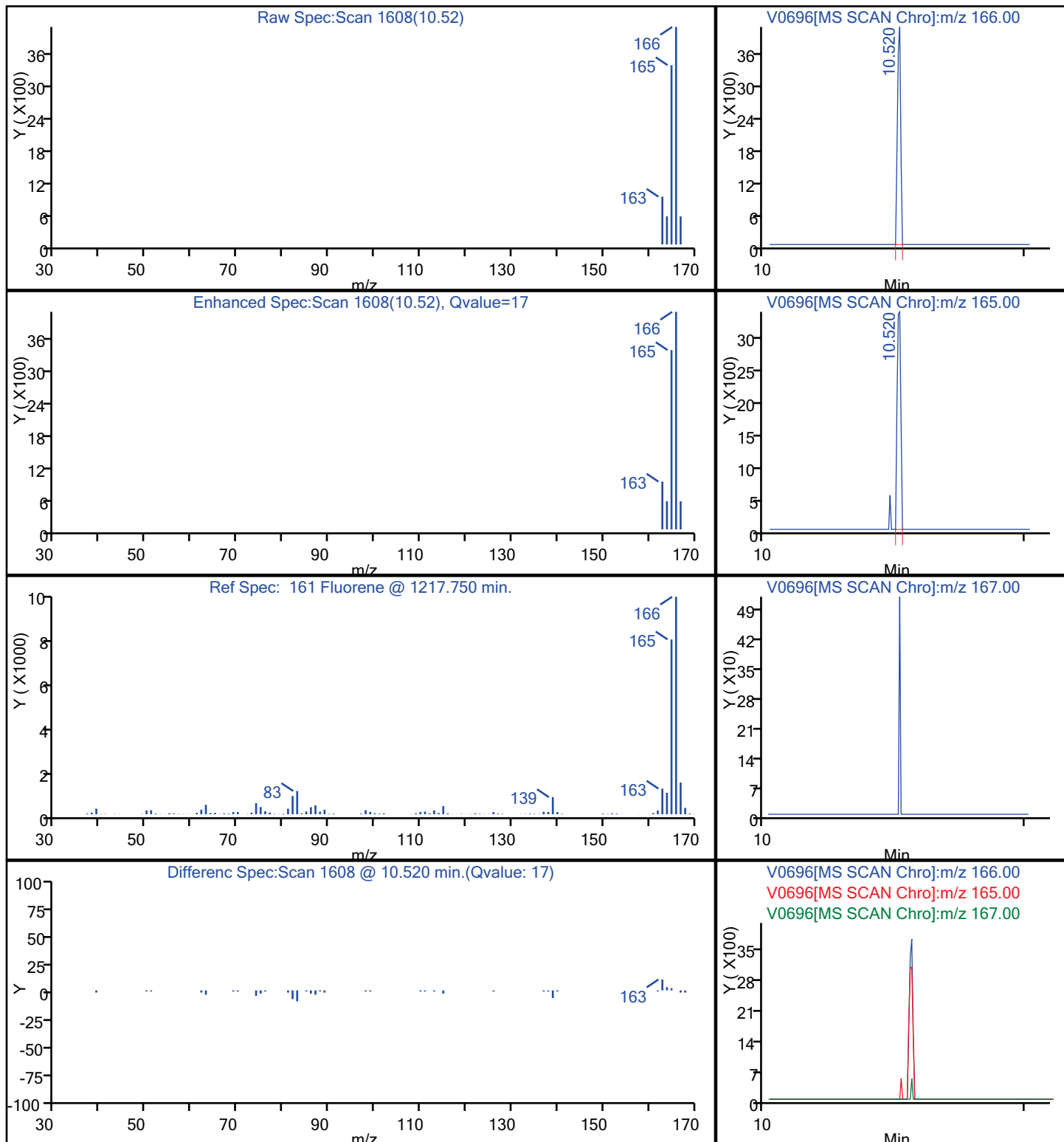
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

161 Fluorene



Report Date: 06-Jul-2011 10:15:24

Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\Bufchrom\ChromData\HP5973V\20110527-3502.b\V0696.D

Injection Date: 27-May-2011 09:20:30

Limit Group: MB - 8270C ICAL

Client ID: MW-8RDR

Instrument ID: HP5973V

Lims Batch ID: 17775

Lims Sample ID: 5

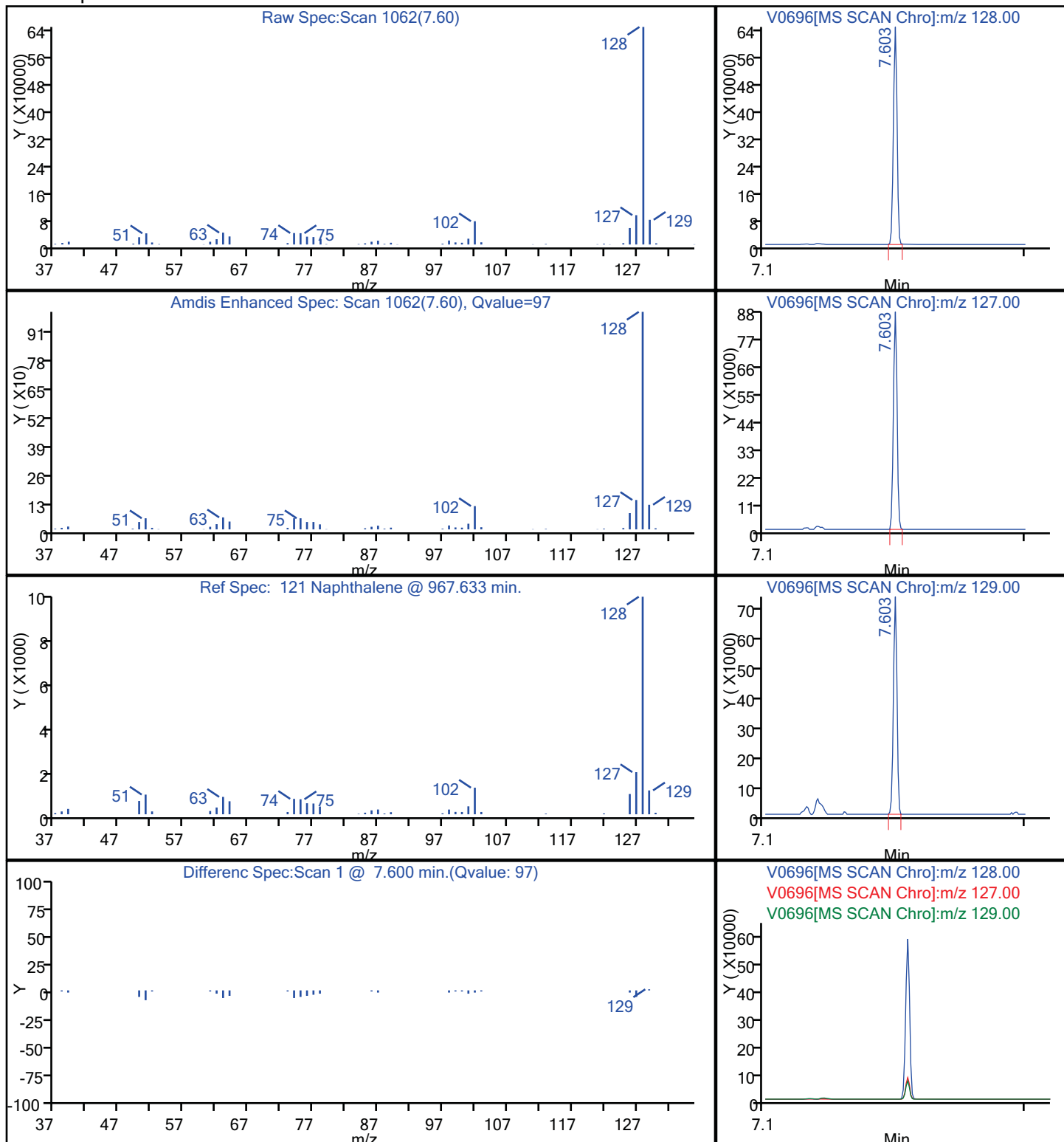
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

121 Naphthalene



Report Date: 06-Jul-2011 10:15:24

Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\Bufchrom\ChromData\HP5973V\20110527-3502.b\V0696.D

Injection Date: 27-May-2011 09:20:30

Limit Group: MB - 8270C ICAL

Client ID: MW-8RDR

Instrument ID: HP5973V

Lims Batch ID: 17775

Lims Sample ID: 5

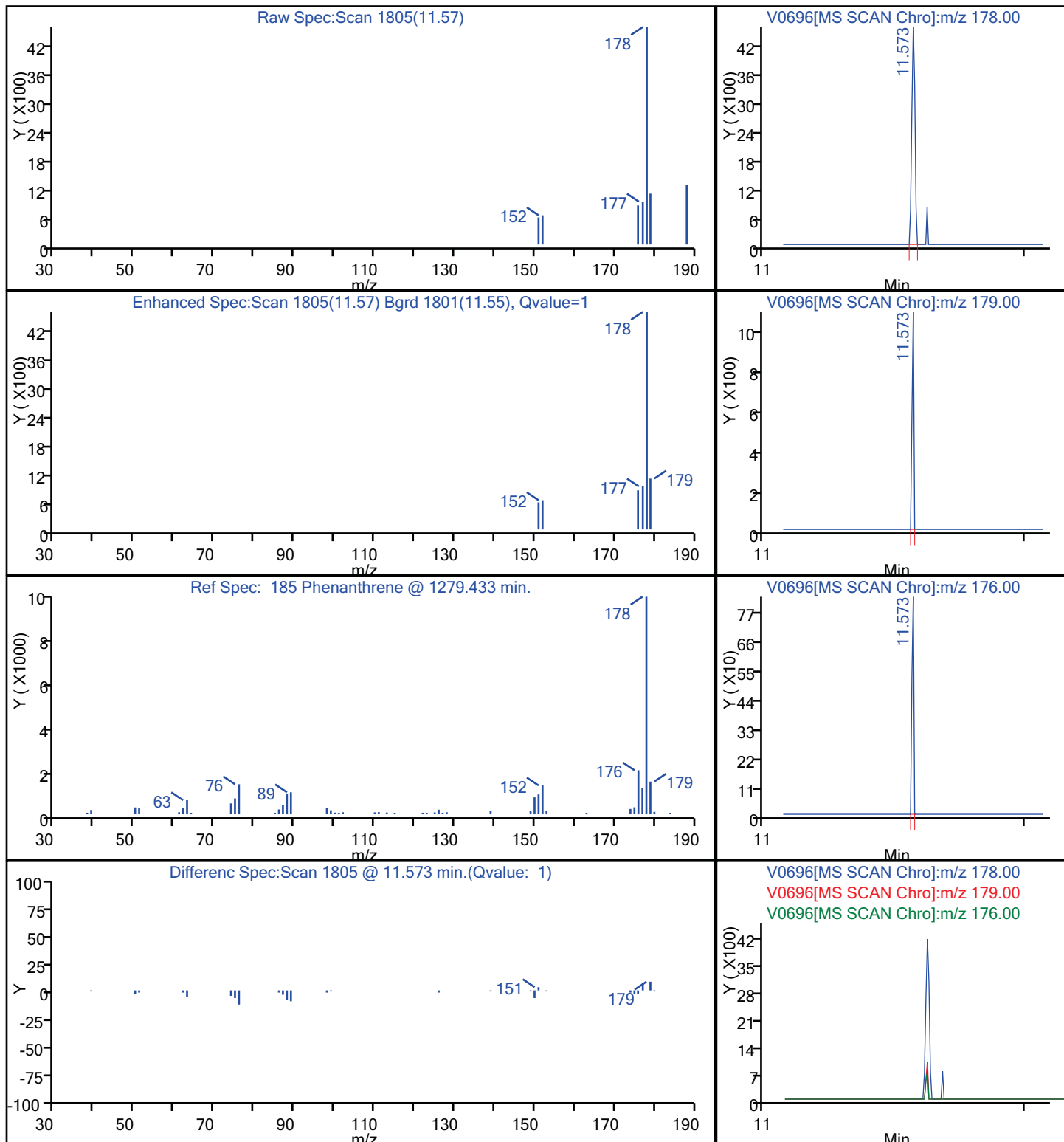
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

185 Phenanthrene



Report Date: 06-Jul-2011 10:15:24

Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\Bufchrom\ChromData\HP5973V\20110527-3502.b\V0696.D

Injection Date: 27-May-2011 09:20:30

Limit Group: MB - 8270C ICAL

Client ID: MW-8RDR

Instrument ID: HP5973V

Lims Batch ID: 17775

Lims Sample ID: 5

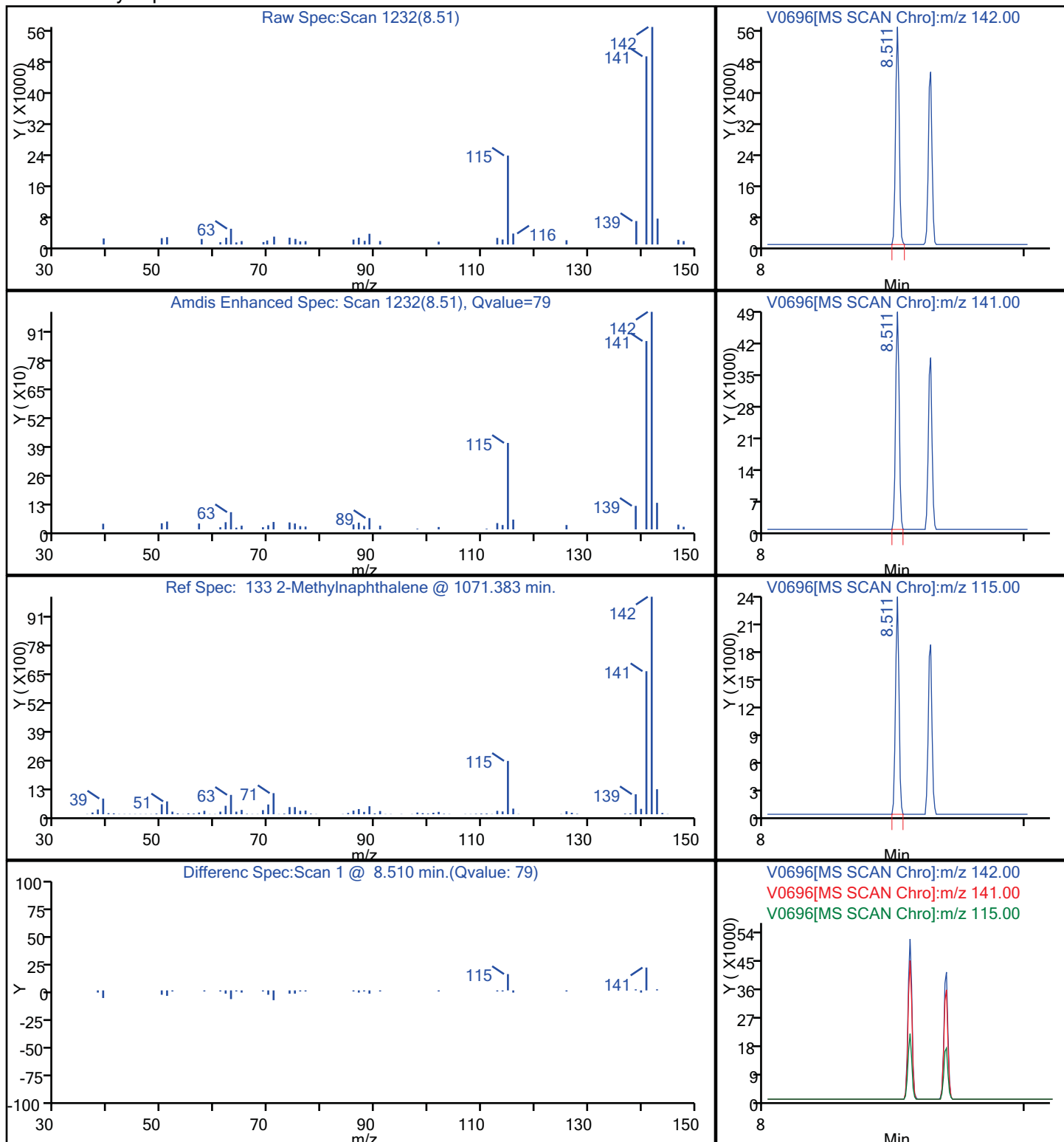
Operator ID: MKP

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.: 480-5072-1

SDG No.: _____

Client Sample ID: EQUIPMENT BLANK Lab Sample ID: 480-5174-2

Matrix: Water Lab File ID: V0657.D

Analysis Method: 8270C Date Collected: 05/18/2011 17:00

Extract. Method: 3510C Date Extracted: 05/25/2011 08:46

Sample wt/vol: 1020 (mL) Date Analyzed: 05/26/2011 13:01

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.: 17611 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	ND		4.9	0.40
208-96-8	Acenaphthylene	ND		4.9	0.37
120-12-7	Anthracene	ND		4.9	0.27
56-55-3	Benz (a) anthracene	ND		4.9	0.35
50-32-8	Benzo (a) pyrene	ND		4.9	0.46
205-99-2	Benzo (b) fluoranthene	ND		4.9	0.33
191-24-2	Benzo (g, h, i) perylene	ND		4.9	0.34
207-08-9	Benzo (k) fluoranthene	ND		4.9	0.72
218-01-9	Chrysene	ND		4.9	0.32
53-70-3	Dibenz (a, h) anthracene	ND		4.9	0.41
206-44-0	Fluoranthene	ND		4.9	0.39
86-73-7	Fluorene	ND		4.9	0.35
193-39-5	Indeno (1, 2, 3-c, d) pyrene	ND		4.9	0.46
91-20-3	Naphthalene	2.6	J	4.9	0.75
85-01-8	Phenanthrene	ND		4.9	0.43
129-00-0	Pyrene	ND		4.9	0.33
91-57-6	2-Methylnaphthalene	ND		4.9	0.59

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	76		46-120
321-60-8	2-Fluorobiphenyl	84		48-120
1718-51-0	p-Terphenyl-d14	116		24-136

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110526-3474.b\V0657.D
 Lims ID: 480-5174-A-2-A Client ID: EQUIPMENT BLANK
 Inject. Date: 26-May-2011 13:01:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-0003474-011
 Misc. Info.: 480-5174-A-2-A
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 8
 Lims Batch ID: 17611 Lims Sample ID: 11
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110526-3474.b\V-8270.m
 Last Update: 27-May-2011 16:24:21 Calib Date: 25-May-2011 14:48:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110524-3425.b\V0604.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: pagem

Date: 27-May-2011 15:00:37

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.888	5.894	-0.006	96	73961	40.0	
* 2 Naphthalene-d8	136	7.587	7.592	-0.005	99	306225	40.0	
* 3 Acenaphthene-d10	164	9.863	9.863	0.0	90	183229	40.0	
* 4 Phenanthrene-d10	188	11.562	11.567	-0.005	97	308612	40.0	
* 5 Chrysene-d12	240	14.046	14.051	-0.005	98	331402	40.0	
* 6 Perylene-d12	264	15.365	15.371	-0.006	99	355518	40.0	
\$ 11 Nitrobenzene-d5	82	6.631	6.636	-0.005	86	204486	76.3	
\$ 12 2-Fluorobiphenyl	172	9.008	9.013	-0.005	99	485841	84.5	
\$ 14 p-Terphenyl-d14	244	13.111	13.106	0.0	97	832882	115.6	
121 Naphthalene	128	7.614	7.619	-0.005	60	19657	2.66	
149 Acenaphthylene	152		9.681					
151 Acenaphthene	153		9.906					
161 Fluorene	166		10.531					
185 Phenanthrene	178		11.594					
188 Anthracene	178		11.642					
197 Fluoranthene	202		12.764					
199 Pyrene	202		12.977					
209 Benzo[a]anthracene	228		14.040					
211 Chrysene	228		14.073					
213 Benzo[b]fluoranthene	252		14.997					
214 Benzo[k]fluoranthene	252		15.023					
217 Benzo[a]pyrene	252		15.317					
219 Indeno[1,2,3-cd]pyrene	276		16.546					
220 Dibenz(a,h)anthracene	278		16.551					
221 Benzo[g,h,i]perylene	276		16.883					
133 2-Methylnaphthalene	142		8.527					

Report Date: 06-Jul-2011 10:13:51

Data File:

\\Bufchrom\ChromData\HP5973V\20110526-3474.b\V0657.D

Chrom Revision: 1.2 30-Jun-2011 15:02:28

Injection Date: 26-May-2011 13:01:30

Limit Group: MB - 8270C ICAL

Client ID: EQUIPMENT BLANK

Instrument ID: HP5973V

Lims Batch ID: 17611

Lims Sample ID: 11

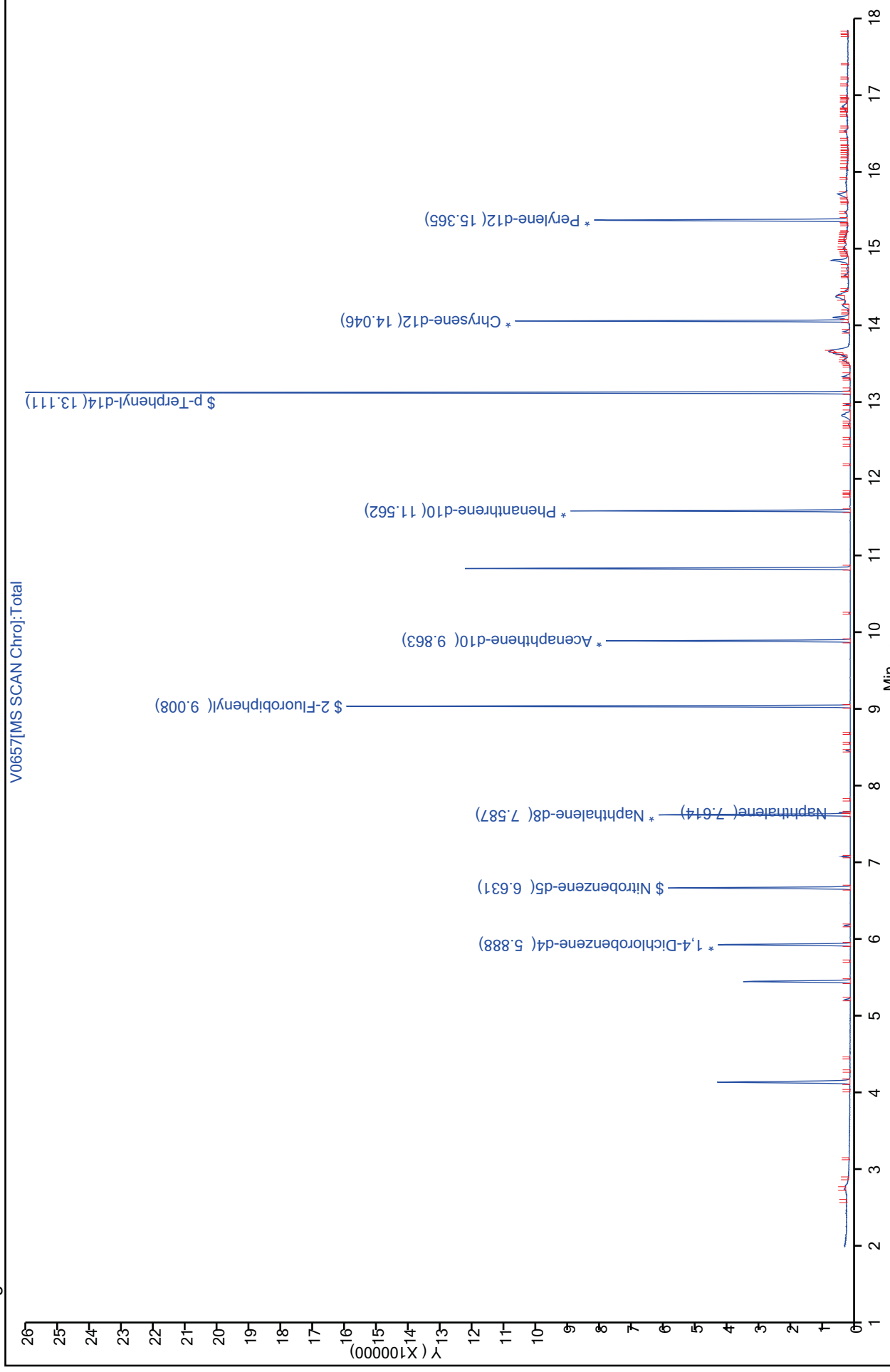
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



Report Date: 06-Jul-2011 10:13:51

Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\Bufchrom\ChromData\HP5973V\20110526-3474.b\V0657.D

Injection Date: 26-May-2011 13:01:30

Limit Group: MB - 8270C ICAL

Client ID: EQUIPMENT BLANK

Instrument ID: HP5973V

Lims Batch ID: 17611

Lims Sample ID: 11

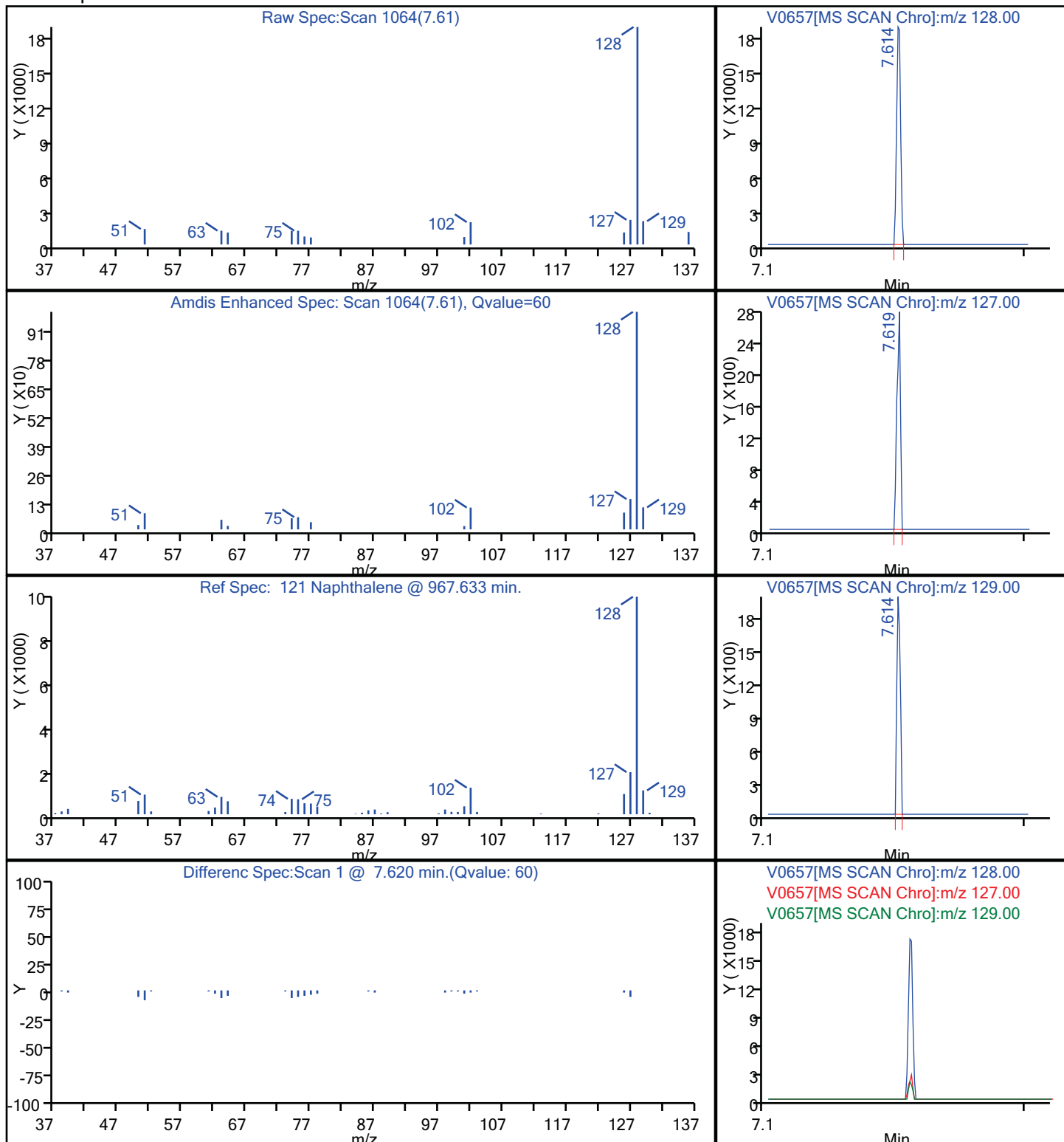
Operator ID: MKP

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 EVALUTION

Lab Name: TestAmerica Buffalo

SDG No.:

Job No.: 480-5072-1

Analy Batch No.: 17360

Instrument ID: HP5973V

GC Column: RXI-5Sil MS

ID: 0.25 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 05/25/2011

10:02

Calibration End Date: 05/25/2011

12:01

Calibration ID: 2269

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-17360/7	V0597.D
Level 2	IC 480-17360/6	V0596.D
Level 3	ICIS 480-17360/5	V0595.D
Level 4	IC 480-17360/4	V0594.D
Level 5	IC 480-17360/3	V0593.D
Level 6	IC 480-17360/2	V0592.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	0.5645 0.6185	0.6132	0.6039	0.5934	0.6035	Ave			0.5995				3.2		15.0			
Pyridine	0.8658 0.8589	0.8887	0.8634	0.8540	0.8705	Ave			0.8669				1.4		15.0			
Phenol	1.6695 1.6213	1.6812	1.6916	1.6546	1.6483	Ave			1.6611				1.5		15.0			
Aniline	1.8540 1.8305	1.9189	1.8872	1.8546	1.8497	Ave			1.8658				1.7		15.0			
Bis (2-chloroethyl)ether	1.1992 1.1502	1.2467	1.1896	1.1588	1.1803	Ave			1.1875				2.9		15.0			
2-Chlorophenol	1.2890 1.3312	1.4221	1.3906	1.3728	1.3572	Ave			1.3605				3.4		15.0			
1,3-Dichlorobenzene	1.6442 1.5214	1.6140	1.5760	1.5378	1.5539	Ave			1.5746				3.0		15.0			
1,4-Dichlorobenzene	1.6036 1.5365	1.6632	1.5541	1.5614	1.5780	Ave			1.5828				2.9		15.0			
Benzyl alcohol	0.7661 0.8410	0.8549	0.8611	0.8541	0.8514	Ave			0.8381				4.3		15.0			
1,2-Dichlorobenzene	1.5629 1.4268	1.5278	1.4928	1.4408	1.4544	Ave			1.4843				3.6		15.0			
2-Methylphenol	1.1217 1.1042	1.1526	1.1472	1.1273	1.1192	Ave			1.1287				1.6		15.0			
bis (2-chloroisopropyl) ether	1.1558 1.0580	1.1653	1.1568	1.1105	1.0928	Ave			1.1232				3.8		15.0			
N-Nitrosodi-n-propylamine	0.8142 0.9135	0.8966	0.9317	0.8971	0.9110	Ave			0.8940			0.0500	4.6		15.0			
4-Methylphenol	1.1414 1.1555	1.2354	1.2254	1.1816	1.1797	Ave			1.1865				3.1		15.0			
Hexachloroethane	0.5805 0.5986	0.6071	0.6119	0.5855	0.6070	Ave			0.5985				2.1		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1 Analy Batch No.: 17360

SDG No.: _____

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/25/2011 10:02 Calibration End Date: 05/25/2011 12:01 Calibration ID: 2269

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		B	M1	M2								
Nitrobenzene	0.3486 0.3540	0.3778	0.3695	0.3642	0.3655	Ave	0.3633				2.9		15.0			
Isophorone	0.5790 0.6059	0.6319	0.6343	0.6195	0.6266	Ave	0.6162				3.4		15.0			
2-Nitrophenol	0.1399 0.1771	0.1689	0.1835	0.1823	0.1854	Ave	0.1728				9.9		15.0			
2,4-Dimethylphenol	0.3671 0.3590	0.3811	0.3713	0.3737	0.3719	Ave	0.3707				2.0		15.0			
Tetraethyl lead	0.1721 0.1527	0.1754	0.1618	0.1607	0.1608	Ave	0.1639				5.1		15.0			
Bis (2-chloroethoxy)methane	0.3509 0.3282	0.3547	0.3487	0.3325	0.3383	Ave	0.3422				3.1		15.0			
Benzoic acid	0.2278 0.2640	0.2347	0.2453	0.2560	0.2692	Ave	0.2495				6.6		15.0			
2,4-Dichlorophenol	0.2803 0.2776	0.2867	0.2807	0.2849	0.2894	Ave	0.2833				1.6		15.0			
1,2,4-Trichlorobenzene	0.3350 0.3134	0.3339	0.3280	0.3183	0.3268	Ave	0.3259				2.6		15.0			
Naphthalene	1.0214 0.9039	0.9987	0.9779	0.9441	0.9482	Ave	0.9657				4.4		15.0			
4-Chloroaniline	0.4032 0.3909	0.4064	0.4106	0.4013	0.4071	Ave	0.4032				1.7		15.0			
Hexachlorobutadiene	0.2177 0.2138	0.2253	0.2184	0.2183	0.2218	Ave	0.2192				1.8		15.0			
4-Chloro-3-methylphenol	0.2878 0.3206	0.3215	0.3206	0.3156	0.3269	Ave	0.3155				4.4		15.0			
2-Methylnaphthalene	0.6827 0.6563	0.6953	0.6824	0.6658	0.6761	Ave	0.6764				2.0		15.0			
Hexachlorocyclopentadiene	0.3595 0.4336	0.3962	0.4278	0.4247	0.4478	Ave	0.4149			0.0500	7.7		15.0			
2,4,6-Trichlorophenol	0.2994 0.3609	0.3665	0.3702	0.3647	0.3829	Ave	0.3574				8.2		15.0			
2,4,5-Trichlorophenol	0.3427 0.3960	0.3862	0.3984	0.3889	0.4068	Ave	0.3865				5.9		15.0			
2-Chloronaphthalene	1.1439 1.0627	1.1483	1.1094	1.0838	1.1257	Ave	1.1123				3.1		15.0			
2-Nitroaniline	0.2490 0.3399	0.3279	0.3360	0.3375	0.3516	Ave	0.3237				12.0		15.0			
Dimethyl phthalate	1.3197 1.2978	1.3805	1.3731	1.3313	1.3709	Ave	1.3455				2.5		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1 Analy Batch No.: 17360

SDG No.: _____

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/25/2011 10:02 Calibration End Date: 05/25/2011 12:01 Calibration ID: 2269

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	0.2137 0.2949	0.2735	0.2920	0.2932	0.3110	Ave	0.2797				12.0		15.0			
Acenaphthylene	1.6486 1.5969	1.7269	1.7077	1.6626	1.6870	Ave	1.6716				2.8		15.0			
3-Nitroaniline	0.2329 0.3019	0.2845	0.2961	0.3013	0.3124	Ave	0.2882				9.9		15.0			
Acenaphthene	1.0699 1.0178	1.0654	1.0422	1.0254	1.0572	Ave	1.0463				2.1		15.0			
2,4-Dinitrophenol	0.0657 0.1517	0.0940	0.1334	0.1446	0.1596	Lin1	-1.097	0.1609		0.0500				0.9980		0.9900
4-Nitrophenol	0.1552 0.2304	0.1881	0.2179	0.2233	0.2268	Ave	0.2069			0.0500	14.0		15.0			
2,4-Dinitrotoluene	0.3259 0.4256	0.4021	0.4165	0.4189	0.4318	Ave	0.4034				9.7		15.0			
Dibenzofuran	1.5913 1.4870	1.6326	1.5757	1.5499	1.5527	Ave	1.5649				3.1		15.0			
Diethyl phthalate	1.2617 1.2777	1.3547	1.3564	1.3270	1.3436	Ave	1.3202				3.1		15.0			
Fluorene	1.2621 1.2930	1.3012	1.3069	1.2986	1.3443	Ave	1.3010				2.0		15.0			
4-Chlorophenyl phenyl ether	0.6636 0.6815	0.7018	0.6764	0.6673	0.6959	Ave	0.6811				2.2		15.0			
4-Nitroaniline	0.2426 0.2977	0.2889	0.3014	0.2892	0.3018	Ave	0.2869				7.8		15.0			
4,6-Dinitro-2-methylphenol	0.0820 0.1395	0.1048	0.1237	0.1323	0.1376	Lin1	-0.676	0.1422						0.9990		0.9900
N-Nitrosodiphenylamine	0.5356 0.5136	0.5478	0.5329	0.5163	0.5226	Ave	0.5281				2.5		15.0			
1,2-Diphenylhydrazine	1.2266 1.1227	1.2446	1.1860	1.1616	1.1664	Ave	1.1846				3.8		15.0			
4-Bromophenyl phenyl ether	0.2401 0.2365	0.2370	0.2383	0.2316	0.2406	Ave	0.2374				1.4		15.0			
Hexachlorobenzene	0.2395 0.2476	0.2514	0.2502	0.2450	0.2441	Ave	0.2463				1.8		15.0			
Pentachlorophenol	0.0829 0.1521	0.1060	0.1340	0.1400	0.1462	Lin1	-0.817	0.1537						0.9990		0.9900
Phenanthrene	1.1240 1.0035	1.1000	1.0772	1.0469	1.0379	Ave	1.0649				4.1		15.0			
Anthracene	1.0703 1.0145	1.1104	1.0910	1.0529	1.0411	Ave	1.0634				3.3		15.0			

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

GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUTION

FORM VI

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1 Analy Batch No.: 17360

SDG No.: _____

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/25/2011 10:02 Calibration End Date: 05/25/2011 12:01 Calibration ID: 2269

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		B	M1	M2								
Carbazole	1.0156 0.9524	1.0254	0.9856	0.9570	0.9480 Ave		0.9806				3.4		15.0			
Di-n-butyl phthalate	1.0924 1.1528	1.2414	1.2103	1.1942	1.1830 Ave		1.1790				4.4		15.0			
Fluoranthene	1.1894 1.1951	1.2677	1.2278	1.2005	1.1915 Ave		1.2120				2.5		15.0			
Benzidine	0.4796 0.5388	0.5851	0.5568	0.5894	0.5835 Ave		0.5555				7.6		15.0			
Pyrene	1.2268 1.0250	1.2304	1.1484	1.1079	1.0987 Ave		1.1395				7.0		15.0			
Butyl benzyl phthalate	0.4183 0.5304	0.5182	0.5533	0.5474	0.5610 Ave		0.5214				10.0		15.0			
3,3'-Dichlorobenzidine	0.3349 0.4353	0.4153	0.4464	0.4451	0.4541 Ave		0.4219				11.0		15.0			
Bis(2-ethylhexyl) phthalate	0.6269 0.6910	0.7300	0.7347	0.7336	0.7366 Ave		0.7088				6.2		15.0			
Benz(a)anthracene	1.1858 1.0495	1.2192	1.1758	1.1160	1.1359 Ave		1.1470				5.3		15.0			
Chrysene	1.2100 0.9996	1.1507	1.1284	1.0603	1.0798 Ave		1.1048				6.7		15.0			
Di-n-octyl phthalate	0.8326 1.1226	1.1045	1.1931	1.1933	1.2136 Ave		1.1100				13.0		15.0			
Benzo(b)fluoranthene	1.2188 1.1391	1.2227	1.2383	1.1564	1.2119 Ave		1.1979				3.4		15.0			
Benzo(k)fluoranthene	1.1783 1.1092	1.2493	1.1821	1.2021	1.1778 Ave		1.1831				3.8		15.0			
Benzo(a)pyrene	0.9229 0.9724	1.0152	1.0152	1.0074	1.0327 Ave		0.9943				4.0		15.0			
Indeno(1,2,3-c,d)pyrene	1.2421 1.3177	1.3358	1.3556	1.3304	1.3797 Ave		1.3269				3.5		15.0			
Dibenz(a,h)anthracene	1.0629 1.1232	1.1173	1.1420	1.1293	1.1824 Ave		1.1262				3.4		15.0			
Benzo(g,h,i)perylene	1.0521 0.9946	1.0951	1.0914	1.0361	1.0574 Ave		1.0544				3.5		15.0			
2-Fluorophenol	1.1305 1.1919	1.2336	1.2231	1.2134	1.2196 Ave		1.2020				3.1		15.0			
Phenol-d5	1.3768 1.4199	1.4459	1.4595	1.4442	1.4388 Ave		1.4308				2.1		15.0			
Nitrobenzene-d5	0.3327 0.3434	0.3599	0.3561	0.3523	0.3571 Ave		0.3502				2.9		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 CURVE EVALUTION

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1 Analy Batch No.: 17360

SDG No.: _____

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/25/2011 10:02 Calibration End Date: 05/25/2011 12:01 Calibration ID: 2269

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	1.3079 1.1920	1.2870	1.2558	1.2230	1.2630	Ave		1.2548				3.4		15.0			
2,4,6-Tribromophenol	0.0762 0.1043	0.0884	0.0973	0.0997	0.1025	Ave		0.0947				11.0		15.0			
p-Terphenyl-d14	0.8755 0.8151	0.9049	0.8895	0.8622	0.8706	Ave		0.8697				3.5		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 RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo

Job No.: 480-5072-1

Analy Batch No.: 17360

SDG No.:

Instrument ID: HP5973V

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

Heated Purge: (Y/N) N

Calibration Start Date: 05/25/2011 10:02

Calibration End Date: 05/25/2011 12:01

Calibration ID: 2269

Calibration Files:		
LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-17360/7	V0597.D
Level 2	IC 480-17360/6	V0596.D
Level 3	ICIS 480-17360/5	V0595.D
Level 4	IC 480-17360/4	V0594.D
Level 5	IC 480-17360/3	V0593.D
Level 6	IC 480-17360/2	V0592.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	5226 176392	23231	58368	91064	140407	5.00 160	20.0	50.0	80.0	120
Pyridine	DCB	Ave	8016 244945	33667	83454	131050	202532	5.00 160	20.0	50.0	80.0	120
Phenol	DCB	Ave	15457 462375	63688	163503	253916	383513	5.00 160	20.0	50.0	80.0	120
Aniline	DCB	Ave	17165 522057	72694	182414	284600	430371	5.00 160	20.0	50.0	80.0	120
Bis(2-chloroethyl)ether	DCB	Ave	11103 328032	47229	114980	177834	274626	5.00 160	20.0	50.0	80.0	120
2-Chlorophenol	DCB	Ave	11934 379639	53872	134413	210660	315771	5.00 160	20.0	50.0	80.0	120
1,3-Dichlorobenzene	DCB	Ave	15223 433899	61141	152336	235981	361549	5.00 160	20.0	50.0	80.0	120
1,4-Dichlorobenzene	DCB	Ave	14847 438206	63005	150219	239616	367141	5.00 160	20.0	50.0	80.0	120
Benzyl alcohol	DCB	Ave	7093 239836	32387	83229	131069	198084	5.00 160	20.0	50.0	80.0	120
1,2-Dichlorobenzene	DCB	Ave	14470 406930	57877	144292	221095	338393	5.00 160	20.0	50.0	80.0	120
2-Methylphenol	DCB	Ave	10385 314910	43662	110883	172994	260395	5.00 160	20.0	50.0	80.0	120
bis (2-chloroisopropyl) ether	DCB	Ave	10701 301750	44145	111809	170409	254264	5.00 160	20.0	50.0	80.0	120
N-Nitrosodi-n-propylamine	DCB	Ave	7538 260530	33965	90057	137665	211949	5.00 160	20.0	50.0	80.0	120
4-Methylphenol	DCB	Ave	10568 329538	46801	118448	181333	274473	5.00 160	20.0	50.0	80.0	120
Hexachloroethane	DCB	Ave	5375 170713	23000	59145	89854	141236	5.00 160	20.0	50.0	80.0	120
Nitrobenzene	NPT	Ave	12498 399713	55604	140393	220729	331105	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.: 480-5072-1 Analy Batch No.: 17360

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/25/2011 10:02 Calibration End Date: 05/25/2011 12:01 Calibration ID: 2269

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	20758 684175	92999	240974	375481	567665	5.00 160	20.0	50.0	80.0	120
2-Nitrophenol	NPT	Ave	5016 199987	24850	69733	110472	167929	5.00 160	20.0	50.0	80.0	120
2,4-Dimethylphenol	NPT	Ave	13160 405406	56091	141073	226506	336880	5.00 160	20.0	50.0	80.0	120
Tetraethyl lead	NPT	Ave	6170 172461	25812	61461	97395	145701	5.00 160	20.0	50.0	80.0	120
Bis(2-chloroethoxy)methane	NPT	Ave	12581 370619	52201	132464	201494	306458	5.00 160	20.0	50.0	80.0	120
Benzoic acid	NPT	Ave	163331 894392	207231	279534	465415	731465	100 480	120	150	240	360
2,4-Dichlorophenol	NPT	Ave	10050 313479	42187	106658	172659	262195	5.00 160	20.0	50.0	80.0	120
1,2,4-Trichlorobenzene	NPT	Ave	12011 353900	49137	124611	192912	296005	5.00 160	20.0	50.0	80.0	120
Naphthalene	NPT	Ave	36616 1020602	146983	371543	572210	858978	5.00 160	20.0	50.0	80.0	120
4-Chloroaniline	NPT	Ave	14453 441411	59809	155983	243218	368749	5.00 160	20.0	50.0	80.0	120
Hexachlorobutadiene	NPT	Ave	7805 241425	33152	82970	132330	200922	5.00 160	20.0	50.0	80.0	120
4-Chloro-3-methylphenol	NPT	Ave	10319 361978	47312	121802	191290	296106	5.00 160	20.0	50.0	80.0	120
2-Methylnaphthalene	NPT	Ave	24475 741002	102331	259248	403516	612445	5.00 160	20.0	50.0	80.0	120
Hexachlorocyclopentadiene	ANT	Ave	7748 298006	34833	98372	155620	240844	5.00 160	20.0	50.0	80.0	120
2,4,6-Trichlorophenol	ANT	Ave	6453 248085	32226	85111	133631	205943	5.00 160	20.0	50.0	80.0	120
2,4,5-Trichlorophenol	ANT	Ave	7387 272207	33958	91591	142511	218760	5.00 160	20.0	50.0	80.0	120
2-Chloronaphthalene	ANT	Ave	24654 730419	100964	255083	397108	605390	5.00 160	20.0	50.0	80.0	120
2-Nitroaniline	ANT	Ave	5367 233595	28829	77263	123678	189100	5.00 160	20.0	50.0	80.0	120
Dimethyl phthalate	ANT	Ave	28443 892044	121377	315715	487787	737230	5.00 160	20.0	50.0	80.0	120
2,6-Dinitrotoluene	ANT	Ave	4605 202662	24043	67149	107438	167229	5.00 160	20.0	50.0	80.0	120
Acenaphthylene	ANT	Ave	35532 1097635	151835	392643	609194	907230	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.: 480-5072-1 Analy Batch No.: 17360

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/25/2011 10:02 Calibration End Date: 05/25/2011 12:01 Calibration ID: 2269

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	Ave	5019 207494	25015	68080	110416	168009	5.00 160	20.0	50.0	80.0	120
Acenaphthene	ANT	Ave	23059 699550	93674	239617	375711	568572	5.00 160	20.0	50.0	80.0	120
2,4-Dinitrophenol	ANT	Lin1	2833 104254	8262	30672	52993	85817	10.0 160	20.0	50.0	80.0	120
4-Nitrophenol	ANT	Ave	6691 158338	16534	50092	81837	121983	10.0 160	20.0	50.0	80.0	120
2,4-Dinitrotoluene	ANT	Ave	7023 292508	35351	95755	153505	232218	5.00 160	20.0	50.0	80.0	120
Dibenzofuran	ANT	Ave	34296 1022088	143542	362282	567895	835012	5.00 160	20.0	50.0	80.0	120
Diethyl phthalate	ANT	Ave	27193 878232	119104	311870	486228	722554	5.00 160	20.0	50.0	80.0	120
Fluorene	ANT	Ave	27201 888741	114402	300490	475837	722948	5.00 160	20.0	50.0	80.0	120
4-Chlorophenyl phenyl ether	ANT	Ave	14302 468433	61708	155526	244510	374242	5.00 160	20.0	50.0	80.0	120
4-Nitroaniline	ANT	Ave	5228 204608	25402	69303	105982	162279	5.00 160	20.0	50.0	80.0	120
4,6-Dinitro-2-methylphenol	PHN	Lin1	5858 163539	15546	48528	82852	129181	10.0 160	20.0	50.0	80.0	120
N-Nitrosodiphenylamine	PHN	Ave	19127 602362	81249	209020	323389	490771	5.00 160	20.0	50.0	80.0	120
1,2-Diphenylhydrazine	ANT	Ave	26436 771681	109425	272680	425631	627267	5.00 160	20.0	50.0	80.0	120
4-Bromophenyl phenyl ether	PHN	Ave	8576 277374	35145	93453	145078	225961	5.00 160	20.0	50.0	80.0	120
Hexachlorobenzene	PHN	Ave	8554 290333	37292	98121	153461	229199	5.00 160	20.0	50.0	80.0	120
Pentachlorophenol	PHN	Lin1	5923 178332	15725	52567	87667	137312	10.0 160	20.0	50.0	80.0	120
Phenanthrene	PHN	Ave	40141 1176842	163137	422534	655713	974577	5.00 160	20.0	50.0	80.0	120
Anthracene	PHN	Ave	38223 1189727	164693	427921	659450	977664	5.00 160	20.0	50.0	80.0	120
Carbazole	PHN	Ave	36270 1116850	152073	386595	599353	890196	5.00 160	20.0	50.0	80.0	120
Di-n-butyl phthalate	PHN	Ave	39015 1351956	184122	474716	747948	1110905	5.00 160	20.0	50.0	80.0	120
Fluoranthene	PHN	Ave	42478 1401564	188022	481581	751904	1118815	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.: 480-5072-1 Analy Batch No.: 17360

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/25/2011 10:02 Calibration End Date: 05/25/2011 12:01 Calibration ID: 2269

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	18226 726238	90927	231096	396984	585165	5.00 160	20.0	50.0	80.0	120
Pyrene	CRY	Ave	46624 1381520	191190	476654	746249	1101829	5.00 160	20.0	50.0	80.0	120
Butyl benzyl phthalate	CRY	Ave	15896 714862	80521	229637	368744	562626	5.00 160	20.0	50.0	80.0	120
3,3'-Dichlorobenzidine	CRY	Ave	12726 586664	64542	185282	299828	455422	5.00 160	20.0	50.0	80.0	120
Bis(2-ethylhexyl) phthalate	CRY	Ave	23825 931310	113435	304960	494139	738758	5.00 160	20.0	50.0	80.0	120
Benz(a)anthracene	CRY	Ave	45065 1414473	189455	488003	751708	1139174	5.00 160	20.0	50.0	80.0	120
Chrysene	CRY	Ave	45986 1347285	178806	468360	714205	1082889	5.00 160	20.0	50.0	80.0	120
Di-n-octyl phthalate	CRY	Ave	31642 1512968	171633	495206	803813	1217134	5.00 160	20.0	50.0	80.0	120
Benzo(b)fluoranthene	PRY	Ave	47128 1608927	194684	533954	810337	1268395	5.00 160	20.0	50.0	80.0	120
Benzo(k)fluoranthene	PRY	Ave	45564 1566691	198917	509695	842399	1232679	5.00 160	20.0	50.0	80.0	120
Benzo(a)pyrene	PRY	Ave	35687 1373414	161642	437736	705987	1080893	5.00 160	20.0	50.0	80.0	120
Indeno(1,2,3-c,d)pyrene	PRY	Ave	48029 1861140	212687	584540	932295	1443974	5.00 160	20.0	50.0	80.0	120
Dibenz(a,h)anthracene	PRY	Ave	41099 1586435	177893	492403	791373	1237573	5.00 160	20.0	50.0	80.0	120
Benzo(g,h,i)perylene	PRY	Ave	40683 1404737	174363	470615	726062	1106696	5.00 160	20.0	50.0	80.0	120
2-Fluorophenol	DCB	Ave	10467 339938	46731	118220	186212	283759	5.00 160	20.0	50.0	80.0	120
Phenol-d5	DCB	Ave	12747 404941	54774	141070	221627	334749	5.00 160	20.0	50.0	80.0	120
Nitrobenzene-d5	NPT	Ave	11927 387784	52968	135279	213502	323511	5.00 160	20.0	50.0	80.0	120
2-Fluorobiphenyl	ANT	Ave	28189 819271	113155	288737	448126	679212	5.00 160	20.0	50.0	80.0	120
2,4,6-Tribromophenol	PHN	Ave	2721 122335	13112	38164	62419	96237	5.00 160	20.0	50.0	80.0	120
p-Terphenyl-d14	CRY	Ave	33274 1098608	140618	369196	580797	873068	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.: 480-5072-1 Analy Batch No.: 17360

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/25/2011 10:02 Calibration End Date: 05/25/2011 12:01 Calibration ID: 2269

Curve Type Legend:
Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110524-3425.b\V0592.D
 Lims ID: IC - 8270 160 pt Client ID:
 Inject. Date: 25-May-2011 10:02:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: 480-0003425-002
 Misc. Info.: IC - 8270 160 PT
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 17360 Lims Sample ID: 2
 Sublist: chrom-V-8270*sub23
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110524-3425.b\V-8270.m
 Last Update: 27-May-2011 15:37:25 Calib Date: 25-May-2011 14:48:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110524-3425.b\V0604.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 26-May-2011 09:20:43

Second Level Reviewer: pagem

Date: 27-May-2011 15:37:25

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.908	5.908	0.0	62	71299	40.0	
* 2 Naphthalene-d8	136	7.607	7.602	0.005	97	282285	40.0	
* 3 Acenaphthene-d10	164	9.877	9.872	0.005	90	171834	40.0	
* 4 Phenanthrene-d10	188	11.576	11.576	0.0	90	293178	40.0	
* 5 Chrysene-d12	240	14.066	14.060	0.006	85	336941	40.0	
* 6 Perylene-d12	264	15.385	15.380	0.005	100	353106	40.0	
\$ 9 2-Fluorophenol	112	4.124	4.113	0.011	92	339938	158.7	
\$ 10 Phenol-d5	99	5.438	5.422	0.016	65	404941	158.8	
\$ 11 Nitrobenzene-d5	82	6.656	6.645	0.011	76	387784	156.9	
\$ 12 2-Fluorobiphenyl	172	9.028	9.023	0.005	99	819271	152.0	
\$ 13 2,4,6-Tribromophenol	330	10.828	10.823	0.005	91	122335	176.2	
\$ 14 p-Terphenyl-d14	244	13.125	13.120	0.005	99	1098608	150.0	
81 N-Nitrosodimethylamine	42	2.361	2.355	0.006	80	176392	165.1	
82 Pyridine	52	2.425	2.420	0.005	93	244945	158.5	
89 Phenol	94	5.454	5.443	0.011	93	462375	156.2	
90 Aniline	93	5.459	5.454	0.005	86	522057	157.0	
91 Bis(2-chloroethyl)ether	93	5.555	5.545	0.010	95	328032	155.0	
93 2-Chlorophenol	128	5.636	5.625	0.011	90	379639	156.6	
94 1,3-Dichlorobenzene	146	5.839	5.833	0.006	94	433899	154.6	
95 1,4-Dichlorobenzene	146	5.935	5.929	0.006	82	438206	155.3	
96 Benzyl alcohol	108	6.106	6.095	0.011	72	239836	160.5	
97 1,2-Dichlorobenzene	146	6.143	6.138	0.005	81	406930	153.8	
98 2-Methylphenol	108	6.277	6.266	0.011	91	314910	156.5	
99 2,2'-oxybis[1-chloropropane]	45	6.298	6.293	0.005	81	301750	150.7	
101 N-Nitrosodi-n-propylamine	70	6.474	6.464	0.010	75	260530	163.5	
102 4-Methylphenol	108	6.490	6.480	0.010	91	329538	155.8	
106 Hexachloroethane	117	6.597	6.592	0.005	88	170713	160.0	
107 Nitrobenzene	77	6.683	6.672	0.011	82	399713	155.9	
110 Isophorone	82	7.009	6.998	0.011	95	684175	157.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
111 2-Nitrophenol	139	7.110	7.105	0.005	97	199987	164.0	
112 2,4-Dimethylphenol	107	7.196	7.185	0.011	98	405406	155.0	
113 Tetraethyl lead	237	7.260	7.254	0.006	91	172461	149.1	
115 Bis(2-chloroethoxy)methane	93	7.308	7.297	0.011	99	370619	153.5	
119 Benzoic acid	105	7.489	7.388	0.101	82	894392	508.0	
117 2,4-Dichlorophenol	162	7.436	7.431	0.005	95	313479	156.8	
120 1,2,4-Trichlorobenzene	180	7.543	7.537	0.006	90	353900	153.9	
121 Naphthalene	128	7.634	7.628	0.006	98	1020602	149.8	
123 4-Chloroaniline	127	7.714	7.708	0.006	83	441411	155.1	
126 Hexachlorobutadiene	225	7.826	7.826	0.0	93	241425	156.1	
131 4-Chloro-3-methylphenol	107	8.371	8.365	0.006	90	361978	162.6	
133 2-Methylnaphthalene	142	8.542	8.536	0.006	80	741002	155.2	
136 Hexachlorocyclopentadiene	237	8.766	8.766	0.0	87	298006	167.2	
139 2,4,6-Trichlorophenol	196	8.921	8.916	0.005	91	248085	161.6	
140 2,4,5-Trichlorophenol	196	8.969	8.964	0.005	93	272207	163.9	
143 2-Chloronaphthalene	162	9.167	9.161	0.006	98	730419	152.9	
145 2-Nitroaniline	65	9.311	9.300	0.011	79	233595	168.0	
147 Dimethyl phthalate	163	9.557	9.546	0.011	98	892044	154.3	
148 2,6-Dinitrotoluene	165	9.621	9.610	0.011	93	202662	168.7	
149 Acenaphthylene	152	9.696	9.690	0.006	91	1097635	152.9	
150 3-Nitroaniline	138	9.840	9.829	0.011	91	207494	167.6	
151 Acenaphthene	153	9.920	9.915	0.005	94	699550	155.6	
152 2,4-Dinitrophenol	184	9.968	9.957	0.011	83	104254	157.7	
153 4-Nitrophenol	109	10.080	10.070	0.010	90	158338	178.1	
154 2,4-Dinitrotoluene	165	10.134	10.123	0.011	82	292508	168.8	
155 Dibenzofuran	168	10.139	10.128	0.011	86	1022088	152.0	
160 Diethyl phthalate	149	10.438	10.428	0.010	97	878232	154.9	
161 Fluorene	166	10.545	10.540	0.005	82	888741	157.7	
162 4-Chlorophenyl phenyl ether	204	10.550	10.545	0.005	95	468433	159.6	
164 4-Nitroaniline	138	10.593	10.572	0.021	74	204608	166.0	
166 4,6-Dinitro-2-methylphenol	198	10.620	10.609	0.011	85	163539	161.7	
167 N-Nitrosodiphenylamine	169	10.695	10.684	0.011	58	602362	155.6	
168 1,2-Diphenylhydrazine	77	10.737	10.727	0.010	97	771681	151.6	
176 4-Bromophenyl phenyl ether	248	11.106	11.095	0.011	59	277374	159.4	
177 Hexachlorobenzene	284	11.186	11.181	0.005	87	290333	160.8	
181 Pentachlorophenol	266	11.395	11.389	0.006	84	178332	163.6	
185 Phenanthrene	178	11.608	11.598	0.010	97	1176842	156.0	
188 Anthracene	178	11.656	11.651	0.005	97	1189727	156.3	
189 Carbazole	167	11.827	11.822	0.005	83	1116850	155.4	
192 Di-n-butyl phthalate	149	12.180	12.174	0.006	100	1351956	156.4	
197 Fluoranthene	202	12.778	12.773	0.005	97	1401564	159.3	
198 Benzidine	184	12.896	12.890	0.006	97	726238	155.2	
199 Pyrene	202	12.992	12.981	0.011	97	1381520	152.5	
203 3,3'-Dimethylbenzidine	212		13.542					
205 Butyl benzyl phthalate	149	13.553	13.547	0.006	96	714862	162.8	
208 3,3'-Dichlorobenzidine	252	14.023	14.018	0.005	51	586664	165.1	
210 Bis(2-ethylhexyl) phthalate	149	14.044	14.039	0.005	92	931310	156.0	
209 Benzo[a]anthracene	228	14.055	14.050	0.005	84	1414473	152.4	
211 Chrysene	228	14.092	14.082	0.010	92	1347285	152.7	
212 Di-n-octyl phthalate	149	14.584	14.578	0.006	99	1512968	161.8	
213 Benzo[b]fluoranthene	252	15.022	15.006	0.016	93	1608927	158.6	
214 Benzo[k]fluoranthene	252	15.049	15.033	0.016	97	1566691	153.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
217 Benzo[a]pyrene	252	15.337	15.326	0.011	73	1373414	155.1	
219 Indeno[1,2,3-cd]pyrene	276	16.582	16.555	0.027	94	1861140	156.8	
220 Dibenz(a,h)anthracene	278	16.587	16.560	0.027	61	1586435	156.9	
221 Benzo[g,h,i]perylene	276	16.924	16.897	0.027	92	1404737	154.2	
S 222 Total Cresols	1				0		312.3	
S 77 3 & 4 Methylphenol	108				0		155.8	
S 78 3-Methylphenol	1				0		155.8	

Report Date: 27-May-2011 15:37:25

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973V\20110524-3425.bV0592.D

Injection Date: 25-May-2011 10:02:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973V

Lims Batch ID: 17360

Lims Sample ID: 2

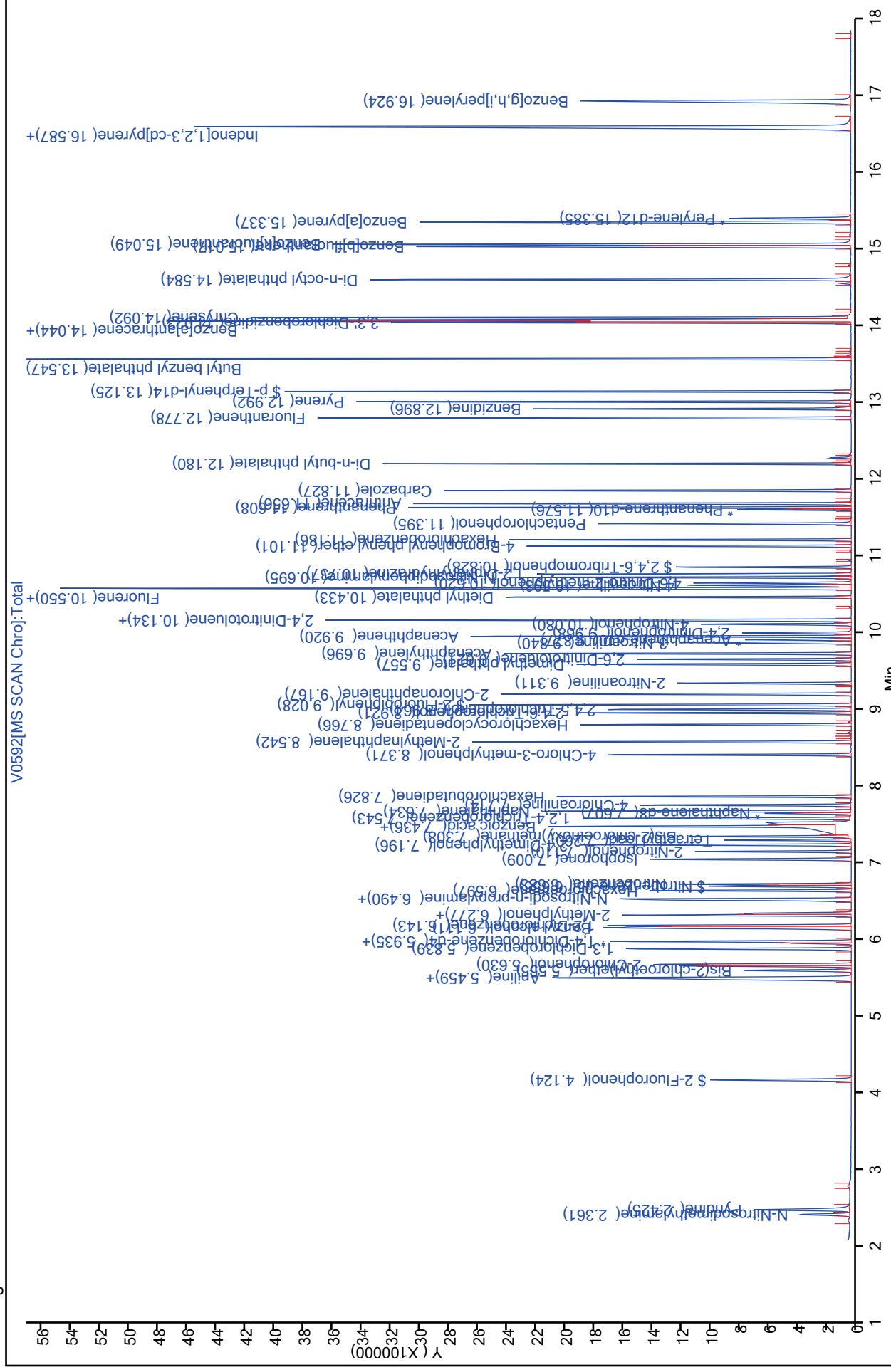
Operator ID: MKP

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\20110524-3425.b\V0593.D
 Lims ID: IC - 8270 120 pt Client ID:
 Inject. Date: 25-May-2011 10:26:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: 480-0003425-003
 Misc. Info.: IC - 8270 120 PT
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 17360 Lims Sample ID: 3
 Sublist: chrom-V-8270*sub23
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110524-3425.b\V-8270.m
 Last Update: 27-May-2011 15:37:28 Calib Date: 25-May-2011 14:48:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110524-3425.b\V0604.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19
 First Level Reviewer: pagem Date: 26-May-2011 09:21:12
 Second Level Reviewer: gonzalez Date: 26-May-2011 10:44:22

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.908	5.908	0.0	66	77555	40.0	
* 2 Naphthalene-d8	136	7.607	7.602	0.005	91	301964	40.0	
* 3 Acenaphthene-d10	164	9.878	9.872	0.006	90	179262	40.0	
* 4 Phenanthrene-d10	188	11.576	11.576	0.0	96	313008	40.0	
* 5 Chrysene-d12	240	14.061	14.060	0.001	91	334293	40.0	
* 6 Perylene-d12	264	15.380	15.380	0.0	100	348874	40.0	
\$ 9 2-Fluorophenol	112	4.119	4.113	0.006	93	283759	121.8	
\$ 10 Phenol-d5	99	5.433	5.422	0.011	92	334749	120.7	
\$ 11 Nitrobenzene-d5	82	6.651	6.645	0.006	80	323511	122.4	
\$ 12 2-Fluorobiphenyl	172	9.023	9.023	0.0	99	679212	120.8	
\$ 13 2,4,6-Tribromophenol	330	10.823	10.823	0.0	90	96237	129.8	
\$ 14 p-Terphenyl-d14	244	13.120	13.120	0.0	99	873068	120.1	
81 N-Nitrosodimethylamine	42	2.361	2.355	0.006	80	140407	120.8	
82 Pyridine	52	2.425	2.420	0.005	93	202532	120.5	
89 Phenol	94	5.449	5.443	0.006	92	383513	119.1	
90 Aniline	93	5.460	5.454	0.006	85	430371	119.0	
91 Bis(2-chloroethyl)ether	93	5.550	5.545	0.005	95	274626	119.3	
93 2-Chlorophenol	128	5.631	5.625	0.005	90	315771	119.7	
94 1,3-Dichlorobenzene	146	5.834	5.833	0.001	95	361549	118.4	
95 1,4-Dichlorobenzene	146	5.930	5.929	0.001	83	367141	119.6	
96 Benzyl alcohol	108	6.106	6.095	0.011	76	198084	121.9	
97 1,2-Dichlorobenzene	146	6.138	6.138	0.0	84	338393	117.6	
98 2-Methylphenol	108	6.272	6.266	0.006	91	260395	119.0	
99 2,2'-oxybis[1-chloropropane]	45	6.298	6.293	0.005	82	254264	116.8	
101 N-Nitrosodi-n-propylamine	70	6.469	6.464	0.005	75	211949	122.3	
102 4-Methylphenol	108	6.485	6.480	0.005	92	274473	119.3	
106 Hexachloroethane	117	6.597	6.592	0.005	88	141236	121.7	
107 Nitrobenzene	77	6.678	6.672	0.006	82	331105	120.7	
110 Isophorone	82	7.003	6.998	0.005	95	567665	122.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
111 2-Nitrophenol	139	7.105	7.105	0.0	97	167929	128.7	
112 2,4-Dimethylphenol	107	7.190	7.185	0.005	98	336880	120.4	
113 Tetraethyl lead	237	7.255	7.254	0.001	91	145701	117.7	
115 Bis(2-chloroethoxy)methane	93	7.303	7.297	0.006	98	306458	118.6	
119 Benzoic acid	105	7.463	7.388	0.075	79	731465	388.4	
117 2,4-Dichlorophenol	162	7.431	7.431	0.0	95	262195	122.6	
120 1,2,4-Trichlorobenzene	180	7.538	7.537	0.001	93	296005	120.3	
121 Naphthalene	128	7.634	7.628	0.006	98	858978	117.8	
123 4-Chloroaniline	127	7.714	7.708	0.006	82	368749	121.1	
126 Hexachlorobutadiene	225	7.826	7.826	0.0	93	200922	121.4	
131 4-Chloro-3-methylphenol	107	8.371	8.365	0.006	90	296106	124.3	
133 2-Methylnaphthalene	142	8.542	8.536	0.006	81	612445	119.9	
136 Hexachlorocyclopentadiene	237	8.766	8.766	0.0	87	240844	129.5	
139 2,4,6-Trichlorophenol	196	8.916	8.916	0.0	90	205943	128.6	
140 2,4,5-Trichlorophenol	196	8.964	8.964	0.0	93	218760	126.3	
143 2-Chloronaphthalene	162	9.167	9.161	0.006	98	605390	121.4	
145 2-Nitroaniline	65	9.306	9.300	0.006	81	189100	130.4	
147 Dimethyl phthalate	163	9.552	9.546	0.006	98	737230	122.3	
148 2,6-Dinitrotoluene	165	9.621	9.610	0.011	89	167229	133.4	
149 Acenaphthylene	152	9.696	9.690	0.006	90	907230	121.1	
150 3-Nitroaniline	138	9.835	9.829	0.006	90	168009	130.1	
151 Acenaphthene	153	9.920	9.915	0.005	93	568572	121.3	
152 2,4-Dinitrophenol	184	9.963	9.957	0.006	84	85817	125.9	
153 4-Nitrophenol	109	10.075	10.070	0.005	90	121983	131.5	
154 2,4-Dinitrotoluene	165	10.129	10.123	0.006	79	232218	128.4	
155 Dibenzofuran	168	10.134	10.128	0.006	85	835012	119.1	
160 Diethyl phthalate	149	10.433	10.428	0.005	97	722554	122.1	
161 Fluorene	166	10.545	10.540	0.005	83	722948	123.0	
162 4-Chlorophenyl phenyl ether	204	10.551	10.545	0.006	88	374242	122.2	
164 4-Nitroaniline	138	10.583	10.572	0.011	73	162279	126.2	
166 4,6-Dinitro-2-methylphenol	198	10.615	10.609	0.006	85	129181	120.9	
167 N-Nitrosodiphenylamine	169	10.690	10.684	0.006	58	490771	118.7	
168 1,2-Diphenylhydrazine	77	10.732	10.727	0.005	97	627267	118.2	
176 4-Bromophenyl phenyl ether	248	11.101	11.095	0.006	59	225961	121.7	
177 Hexachlorobenzene	284	11.181	11.181	0.0	86	229199	118.9	
181 Pentachlorophenol	266	11.395	11.389	0.006	84	137312	119.5	
185 Phenanthrene	178	11.603	11.598	0.005	97	974577	120.8	
188 Anthracene	178	11.657	11.651	0.006	97	977664	120.2	
189 Carbazole	167	11.828	11.822	0.006	83	890196	116.0	
192 Di-n-butyl phthalate	149	12.175	12.174	0.001	100	1110905	120.4	
197 Fluoranthene	202	12.773	12.773	0.0	97	1118815	119.1	
198 Benzidine	184	12.891	12.890	0.001	98	585165	126.0	
199 Pyrene	202	12.987	12.981	0.006	97	1101829	122.3	
203 3,3'-Dimethylbenzidine	212		13.542					
205 Butyl benzyl phthalate	149	13.548	13.547	0.001	97	562626	129.1	
208 3,3'-Dichlorobenzidine	252	14.023	14.018	0.005	50	455422	129.2	
210 Bis(2-ethylhexyl) phthalate	149	14.039	14.039	0.0	92	738758	124.7	
209 Benzo[a]anthracene	228	14.055	14.050	0.005	94	1139174	123.5	
211 Chrysene	228	14.087	14.082	0.005	92	1082889	123.5	
212 Di-n-octyl phthalate	149	14.584	14.578	0.006	99	1217134	131.2	
213 Benzo[b]fluoranthene	252	15.011	15.006	0.005	92	1268395	123.8	
214 Benzo[k]fluoranthene	252	15.044	15.033	0.011	97	1232679	122.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
217 Benzo[a]pyrene	252	15.332	15.326	0.006	72	1080893	123.6	
219 Indeno[1,2,3-cd]pyrene	276	16.571	16.555	0.016	94	1443974	123.2	
220 Dibenz(a,h)anthracene	278	16.577	16.560	0.017	57	1237573	124.0	
221 Benzo[g,h,i]perylene	276	16.913	16.897	0.016	92	1106696	122.8	
S 222 Total Cresols	1				0		238.3	
S 77 3 & 4 Methylphenol	108				0		119.3	
S 78 3-Methylphenol	1				0		119.3	

Report Date: 27-May-2011 15:37:28

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973V\20110524-3425.bV0593.D

Injection Date: 25-May-2011 10:26:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973V

Lims Batch ID: 17360

Lims Sample ID: 3

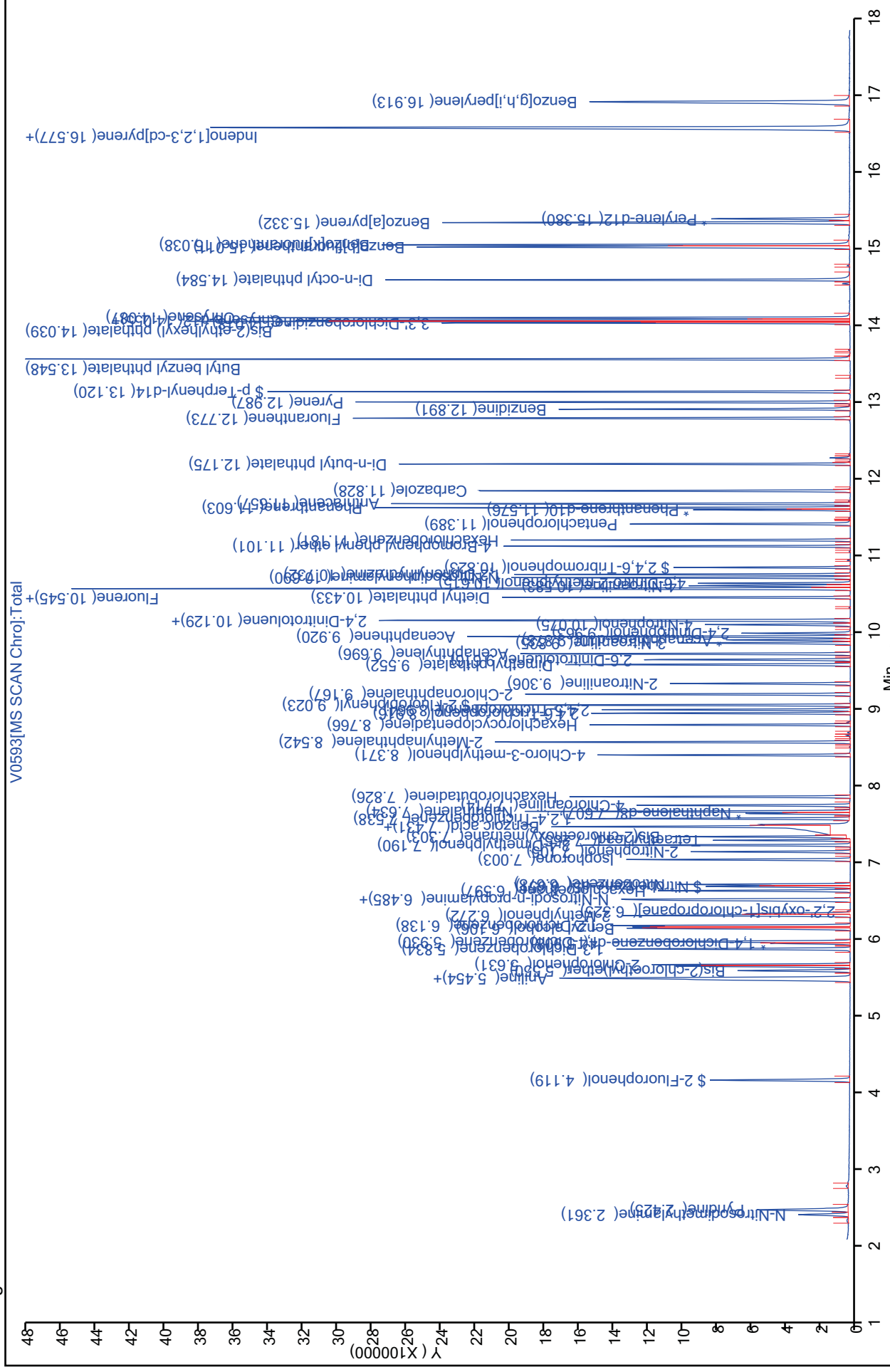
Operator ID: MKP

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\20110524-3425.b\V0594.D
 Lims ID: IC - 8270 80 pt Client ID:
 Inject. Date: 25-May-2011 10:50:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 4
 Sample ID: 480-0003425-004
 Misc. Info.: IC - 8270 80 PT
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 17360 Lims Sample ID: 4
 Sublist: chrom-V-8270*sub23
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110524-3425.b\V-8270.m
 Last Update: 27-May-2011 15:37:37 Calib Date: 25-May-2011 14:48:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110524-3425.b\V0604.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: gonzalezj

Date: 26-May-2011 10:45:16

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.908	5.908	0.0	66	76729	40.0	
* 2 Naphthalene-d8	136	7.602	7.602	0.0	92	303040	40.0	
* 3 Acenaphthene-d10	164	9.877	9.872	0.005	90	183206	40.0	
* 4 Phenanthrene-d10	188	11.576	11.576	0.0	92	313157	40.0	
* 5 Chrysene-d12	240	14.060	14.060	0.0	87	336796	40.0	
* 6 Perylene-d12	264	15.380	15.380	0.0	99	350384	40.0	
\$ 9 2-Fluorophenol	112	4.118	4.113	0.005	90	186212	80.8	
\$ 10 Phenol-d5	99	5.427	5.422	0.005	93	221627	80.7	
\$ 11 Nitrobenzene-d5	82	6.651	6.645	0.006	75	213502	80.5	
\$ 12 2-Fluorobiphenyl	172	9.023	9.023	0.0	99	448126	78.0	
\$ 13 2,4,6-Tribromophenol	330	10.823	10.823	0.0	90	62419	84.2	
\$ 14 p-Terphenyl-d14	244	13.120	13.120	0.0	99	580797	79.3	
81 N-Nitrosodimethylamine	42	2.356	2.355	0.001	80	91064	79.2	
82 Pyridine	52	2.420	2.420	0.0	93	131050	78.8	
89 Phenol	94	5.443	5.443	0.0	91	253916	79.7	
90 Aniline	93	5.454	5.454	0.0	85	284600	79.5	
91 Bis(2-chloroethyl)ether	93	5.550	5.545	0.005	94	177834	78.1	
93 2-Chlorophenol	128	5.625	5.625	0.0	89	210660	80.7	
94 1,3-Dichlorobenzene	146	5.833	5.833	0.0	95	235981	78.1	
95 1,4-Dichlorobenzene	146	5.929	5.929	0.0	80	239616	78.9	
96 Benzyl alcohol	108	6.100	6.095	0.005	75	131069	81.5	
97 1,2-Dichlorobenzene	146	6.138	6.138	0.0	79	221095	77.7	
98 2-Methylphenol	108	6.266	6.266	0.0	93	172994	79.9	
99 2,2'-oxybis[1-chloropropane]	45	6.293	6.293	0.0	82	170409	79.1	
101 N-Nitrosodi-n-propylamine	70	6.464	6.464	0.0	77	137665	80.3	
102 4-Methylphenol	108	6.480	6.480	0.0	92	181333	79.7	
106 Hexachloroethane	117	6.597	6.592	0.005	87	89854	78.3	
107 Nitrobenzene	77	6.672	6.672	0.0	82	220729	80.2	
110 Isophorone	82	6.998	6.998	0.0	95	375481	80.4	
111 2-Nitrophenol	139	7.105	7.105	0.0	97	110472	84.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
112 2,4-Dimethylphenol	107	7.190	7.185	0.005	98	226506	80.7	
113 Tetraethyl lead	237	7.254	7.254	0.0	91	97395	78.4	
115 Bis(2-chloroethoxy)methane	93	7.302	7.297	0.005	98	201494	77.7	
119 Benzoic acid	105	7.425	7.388	0.037	76	465415	246.2	
117 2,4-Dichlorophenol	162	7.431	7.431	0.0	94	172659	80.5	
120 1,2,4-Trichlorobenzene	180	7.537	7.537	0.0	93	192912	78.1	
121 Naphthalene	128	7.628	7.628	0.0	98	572210	78.2	
123 4-Chloroaniline	127	7.708	7.708	0.0	83	243218	79.6	
126 Hexachlorobutadiene	225	7.826	7.826	0.0	92	132330	79.7	
131 4-Chloro-3-methylphenol	107	8.366	8.365	0.001	90	191290	80.0	
133 2-Methylnaphthalene	142	8.536	8.536	0.0	82	403516	78.7	
136 Hexachlorocyclopentadiene	237	8.766	8.766	0.0	88	155620	81.9	
139 2,4,6-Trichlorophenol	196	8.916	8.916	0.0	90	133631	81.6	
140 2,4,5-Trichlorophenol	196	8.964	8.964	0.0	93	142511	80.5	
143 2-Chloronaphthalene	162	9.162	9.161	0.001	98	397108	77.9	
145 2-Nitroaniline	65	9.300	9.300	0.0	79	123678	83.4	
147 Dimethyl phthalate	163	9.552	9.546	0.006	98	487787	79.2	
148 2,6-Dinitrotoluene	165	9.616	9.610	0.006	88	107438	83.9	
149 Acenaphthylene	152	9.690	9.690	0.0	91	609194	79.6	
150 3-Nitroaniline	138	9.829	9.829	0.0	91	110416	83.7	
151 Acenaphthene	153	9.915	9.915	0.0	94	375711	78.4	
152 2,4-Dinitrophenol	184	9.958	9.957	0.001	83	52993	78.7	
153 4-Nitrophenol	109	10.070	10.070	0.0	90	81837	86.3	
154 2,4-Dinitrotoluene	165	10.123	10.123	0.0	85	153505	83.1	
155 Dibenzofuran	168	10.134	10.128	0.006	85	567895	79.2	
160 Diethyl phthalate	149	10.428	10.428	0.0	97	486228	80.4	
161 Fluorene	166	10.540	10.540	0.0	81	475837	79.3	
162 4-Chlorophenyl phenyl ether	204	10.545	10.545	0.0	93	244510	78.2	
164 4-Nitroaniline	138	10.577	10.572	0.005	77	105982	80.6	
166 4,6-Dinitro-2-methylphenol	198	10.615	10.609	0.006	86	82852	79.2	
167 N-Nitrosodiphenylamine	169	10.684	10.684	0.0	58	323389	78.2	
168 1,2-Diphenylhydrazine	77	10.727	10.727	0.0	97	425631	78.4	
176 4-Bromophenyl phenyl ether	248	11.101	11.095	0.006	59	145078	78.1	
177 Hexachlorobenzene	284	11.181	11.181	0.0	85	153461	79.6	
181 Pentachlorophenol	266	11.389	11.389	0.0	84	87667	78.2	
185 Phenanthrene	178	11.598	11.598	0.0	97	655713	81.0	
188 Anthracene	178	11.651	11.651	0.0	97	659450	80.8	
189 Carbazole	167	11.822	11.822	0.0	83	599353	78.1	
192 Di-n-butyl phthalate	149	12.175	12.174	0.001	100	747948	81.0	
197 Fluoranthene	202	12.773	12.773	0.0	97	751904	79.9	
198 Benzidine	184	12.890	12.890	0.0	97	396984	84.9	
199 Pyrene	202	12.987	12.981	0.006	98	746249	81.7	
203 3,3'-Dimethylbenzidine	212		13.542					
205 Butyl benzyl phthalate	149	13.548	13.547	0.001	97	368744	84.0	
208 3,3'-Dichlorobenzidine	252	14.018	14.018	0.0	51	299828	84.4	
210 Bis(2-ethylhexyl) phthalate	149	14.039	14.039	0.0	93	494139	82.8	
209 Benzo[a]anthracene	228	14.050	14.050	0.0	93	751708	80.6	
211 Chrysene	228	14.082	14.082	0.0	92	714205	80.4	
212 Di-n-octyl phthalate	149	14.579	14.578	0.001	99	803813	86.0	
213 Benzo[b]fluoranthene	252	15.011	15.006	0.005	91	810337	76.7	
214 Benzo[k]fluoranthene	252	15.038	15.033	0.005	97	842399	82.9	
217 Benzo[a]pyrene	252	15.326	15.326	0.0	72	705987	80.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
219 Indeno[1,2,3-cd]pyrene	276	16.566	16.555	0.011	94	932295	79.3	
220 Dibenz(a,h)anthracene	278	16.566	16.560	0.006	55	791373	79.1	
221 Benzo[g,h,i]perylene	276	16.902	16.897	0.005	89	726062	80.1	
S 222 Total Cresols	1				0		159.6	
S 77 3 & 4 Methylphenol	108				0		79.7	
S 78 3-Methylphenol	1				0		79.7	

Report Date: 27-May-2011 15:37:37

Data File: \\Bufchrom\ChromData\HP5973V\20110524-3425.bV0594.D

Injection Date: 25-May-2011 10:50:30

Client ID:

Lims Batch ID: 17360

Operator ID: MKP

Column Type: RXI-5Sil MS

Chrom Revision: 1.2 17-May-2011 14:46:34

Limit Group: MB - 8270C ICAL

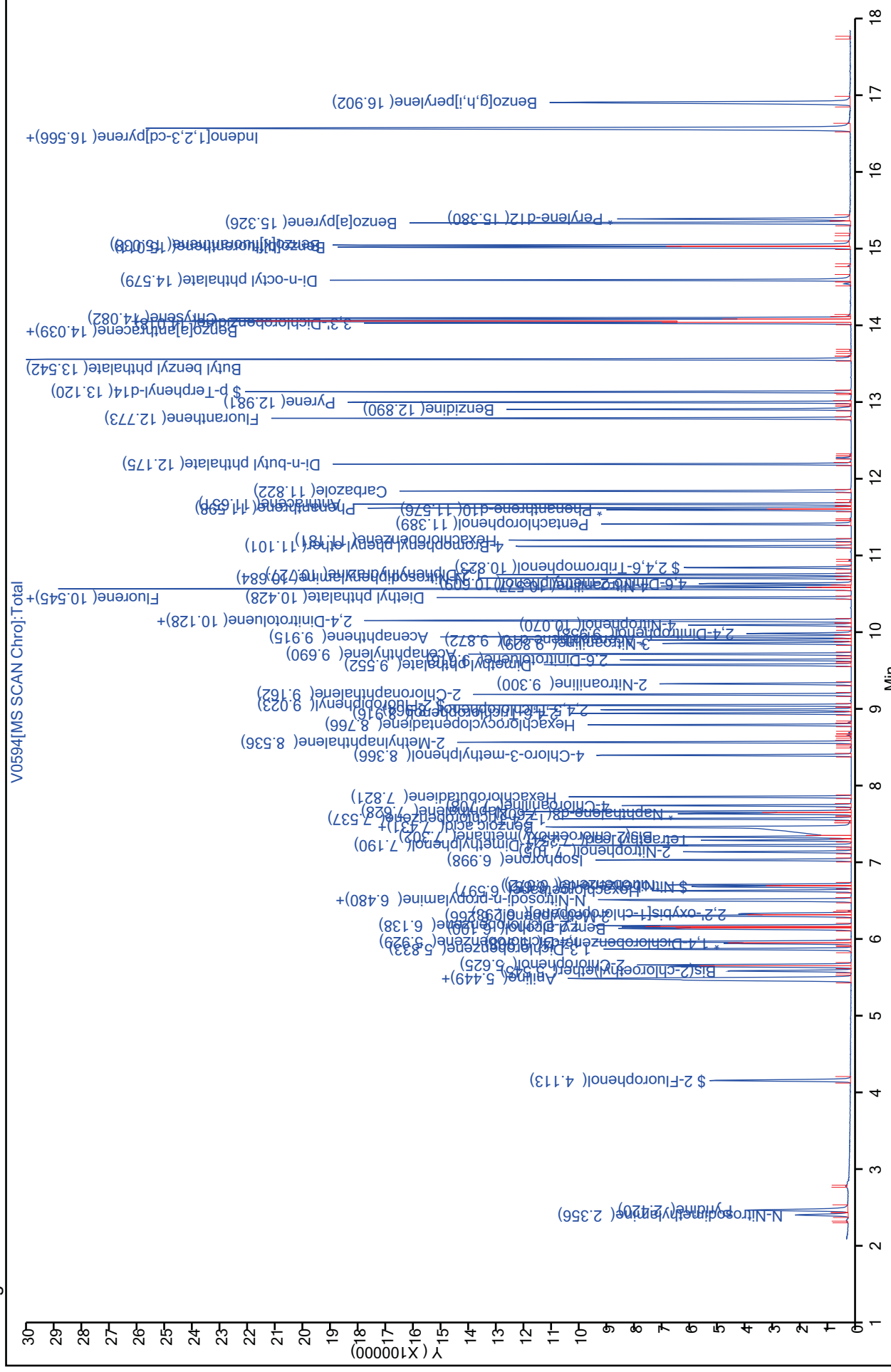
Instrument ID: HP5973V

Lims Sample ID: 4

Injection Vol: 1.00 ul

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110524-3425.b\0595.D
 Lims ID: ICIS - 8270 50 pt Client ID:
 Inject. Date: 25-May-2011 11:14:30 Dil. Factor: 1.0000
 Sample Type: ICIS Calib Level: 3
 Sample ID: 480-0003425-005
 Misc. Info.: ICIS - 8270 50 PT
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 5
 Lims Batch ID: 17360 Lims Sample ID: 5
 Sublist: chrom-V-8270*sub23
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110524-3425.b\0595.D
 Last Update: 27-May-2011 15:37:39 Calib Date: 25-May-2011 14:48:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110524-3425.b\0604.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19
 First Level Reviewer: pagem Date: 26-May-2011 09:21:18
 Second Level Reviewer: gonzalez Date: 26-May-2011 10:47:15

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.908	5.908	0.0	70	77326	40.0	
* 2 Naphthalene-d8	136	7.602	7.602	0.0	92	303944	40.0	
* 3 Acenaphthene-d10	164	9.872	9.872	0.0	85	183940	40.0	
* 4 Phenanthrene-d10	188	11.576	11.576	0.0	81	313790	40.0	
* 5 Chrysene-d12	240	14.060	14.060	0.0	92	332044	40.0	
* 6 Perylene-d12	264	15.380	15.380	0.0	95	344955	40.0	
\$ 9 2-Fluorophenol	112	4.113	4.113	0.0	83	118220	50.9	
\$ 10 Phenol-d5	99	5.422	5.422	0.0	63	141070	51.0	
\$ 11 Nitrobenzene-d5	82	6.645	6.645	0.0	74	135279	50.8	
\$ 12 2-Fluorobiphenyl	172	9.023	9.023	0.0	85	288737	50.0	
\$ 13 2,4,6-Tribromophenol	330	10.823	10.823	0.0	84	38164	51.4	
\$ 14 p-Terphenyl-d14	244	13.120	13.120	0.0	86	369196	51.1	
81 N-Nitrosodimethylamine	42	2.355	2.355	0.0	80	58368	50.4	
82 Pyridine	52	2.420	2.420	0.0	91	83454	49.8	
89 Phenol	94	5.443	5.443	0.0	83	163503	50.9	
90 Aniline	93	5.454	5.454	0.0	67	182414	50.6	
91 Bis(2-chloroethyl)ether	93	5.545	5.545	0.0	87	114980	50.1	
93 2-Chlorophenol	128	5.625	5.625	0.0	86	134413	51.1	
94 1,3-Dichlorobenzene	146	5.833	5.833	0.0	91	152336	50.0	
95 1,4-Dichlorobenzene	146	5.929	5.929	0.0	75	150219	49.1	
96 Benzyl alcohol	108	6.095	6.095	0.0	71	83229	51.4	
97 1,2-Dichlorobenzene	146	6.138	6.138	0.0	79	144292	50.3	
98 2-Methylphenol	108	6.266	6.266	0.0	89	110883	50.8	
99 2,2'-oxybis[1-chloropropane]	45	6.293	6.293	0.0	82	111809	51.5	
101 N-Nitrosodi-n-propylamine	70	6.464	6.464	0.0	75	90057	52.1	
102 4-Methylphenol	108	6.480	6.480	0.0	92	118448	51.6	
106 Hexachloroethane	117	6.592	6.592	0.0	86	59145	51.1	
107 Nitrobenzene	77	6.672	6.672	0.0	81	140393	50.9	
110 Isophorone	82	6.998	6.998	0.0	90	240974	51.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
111 2-Nitrophenol	139	7.105	7.105	0.0	96	69733	53.1	
112 2,4-Dimethylphenol	107	7.185	7.185	0.0	97	141073	50.1	
113 Tetraethyl lead	237	7.254	7.254	0.0	88	61461	49.3	
115 Bis(2-chloroethoxy)methane	93	7.297	7.297	0.0	94	132464	50.9	
119 Benzoic acid	105	7.388	7.388	0.0	82	279534	147.5	
117 2,4-Dichlorophenol	162	7.431	7.431	0.0	92	106658	49.6	
120 1,2,4-Trichlorobenzene	180	7.537	7.537	0.0	90	124611	50.3	
121 Naphthalene	128	7.628	7.628	0.0	89	371543	50.6	
123 4-Chloroaniline	127	7.708	7.708	0.0	81	155983	50.9	
126 Hexachlorobutadiene	225	7.826	7.826	0.0	88	82970	49.8	
131 4-Chloro-3-methylphenol	107	8.365	8.365	0.0	85	121802	50.8	
133 2-Methylnaphthalene	142	8.536	8.536	0.0	79	259248	50.4	
136 Hexachlorocyclopentadiene	237	8.766	8.766	0.0	84	98372	51.6	
139 2,4,6-Trichlorophenol	196	8.916	8.916	0.0	83	85111	51.8	
140 2,4,5-Trichlorophenol	196	8.964	8.964	0.0	90	91591	51.5	
143 2-Chloronaphthalene	162	9.161	9.161	0.0	91	255083	49.9	
145 2-Nitroaniline	65	9.300	9.300	0.0	65	77263	51.9	
147 Dimethyl phthalate	163	9.546	9.546	0.0	87	315715	51.0	
148 2,6-Dinitrotoluene	165	9.610	9.610	0.0	90	67149	52.2	
149 Acenaphthylene	152	9.690	9.690	0.0	81	392643	51.1	
150 3-Nitroaniline	138	9.829	9.829	0.0	88	68080	51.4	
151 Acenaphthene	153	9.915	9.915	0.0	88	239617	49.8	
152 2,4-Dinitrophenol	184	9.957	9.957	0.0	79	30672	48.3	
153 4-Nitrophenol	109	10.070	10.070	0.0	89	50092	52.6	
154 2,4-Dinitrotoluene	165	10.123	10.123	0.0	67	95755	51.6	
155 Dibenzofuran	168	10.128	10.128	0.0	81	362282	50.3	
160 Diethyl phthalate	149	10.428	10.428	0.0	88	311870	51.4	
161 Fluorene	166	10.540	10.540	0.0	81	300490	49.9	
162 4-Chlorophenyl phenyl ether	204	10.545	10.545	0.0	89	155526	49.5	
164 4-Nitroaniline	138	10.572	10.572	0.0	67	69303	52.5	
166 4,6-Dinitro-2-methylphenol	198	10.609	10.609	0.0	82	48528	48.3	
167 N-Nitrosodiphenylamine	169	10.684	10.684	0.0	58	209020	50.4	
168 1,2-Diphenylhydrazine	77	10.727	10.727	0.0	97	272680	50.1	
176 4-Bromophenyl phenyl ether	248	11.095	11.095	0.0	59	93453	50.2	
177 Hexachlorobenzene	284	11.181	11.181	0.0	83	98121	50.8	
181 Pentachlorophenol	266	11.389	11.389	0.0	83	52567	48.9	
185 Phenanthrene	178	11.598	11.598	0.0	85	422534	51.8	
188 Anthracene	178	11.651	11.651	0.0	85	427921	52.2	
189 Carbazole	167	11.822	11.822	0.0	68	386595	50.3	
192 Di-n-butyl phthalate	149	12.174	12.174	0.0	89	474716	51.3	
197 Fluoranthene	202	12.773	12.773	0.0	86	481581	51.0	
198 Benzidine	184	12.890	12.890	0.0	87	231096	50.1	
199 Pyrene	202	12.981	12.981	0.0	96	476654	52.5	
203 3,3'-Dimethylbenzidine	212		13.542					
205 Butyl benzyl phthalate	149	13.547	13.547	0.0	97	229637	53.1	
208 3,3'-Dichlorobenzidine	252	14.018	14.018	0.0	66	185282	52.9	
210 Bis(2-ethylhexyl) phthalate	149	14.039	14.039	0.0	83	304960	51.8	
209 Benzo[a]anthracene	228	14.050	14.050	0.0	84	488003	52.7	
211 Chrysene	228	14.082	14.082	0.0	81	468360	53.0	
212 Di-n-octyl phthalate	149	14.578	14.578	0.0	85	495206	53.7	
213 Benzo[b]fluoranthene	252	15.006	15.006	0.0	83	533954	50.7	
214 Benzo[k]fluoranthene	252	15.033	15.033	0.0	92	509695	50.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
217 Benzo[a]pyrene	252	15.326	15.326	0.0	71	437736	50.7	
219 Indeno[1,2,3-cd]pyrene	276	16.555	16.555	0.0	94	584540	50.6	
220 Dibenz(a,h)anthracene	278	16.560	16.560	0.0	49	492403	50.1	
221 Benzo[g,h,i]perylene	276	16.897	16.897	0.0	81	470615	52.5	
S 222 Total Cresols	1				0		102.5	
S 77 3 & 4 Methylphenol	108				0		51.6	
S 78 3-Methylphenol	1				0		51.6	

Report Date: 27-May-2011 15:37:40

Data File:

\\Bufchrom\ChromData\HP5973V\20110524-3425.bV0595.D

Injection Date:

25-May-2011 11:14:30

Client ID:

17360

Lims Batch ID:

MKP

Operator ID:

RXI-5Sil MS

Column Type:

Chrom Revision: 1.2 17-May-2011 14:46:34

Limit Group:

MB - 8270C ICAL

Instrument ID:

HP5973V

Lims Sample ID:

5

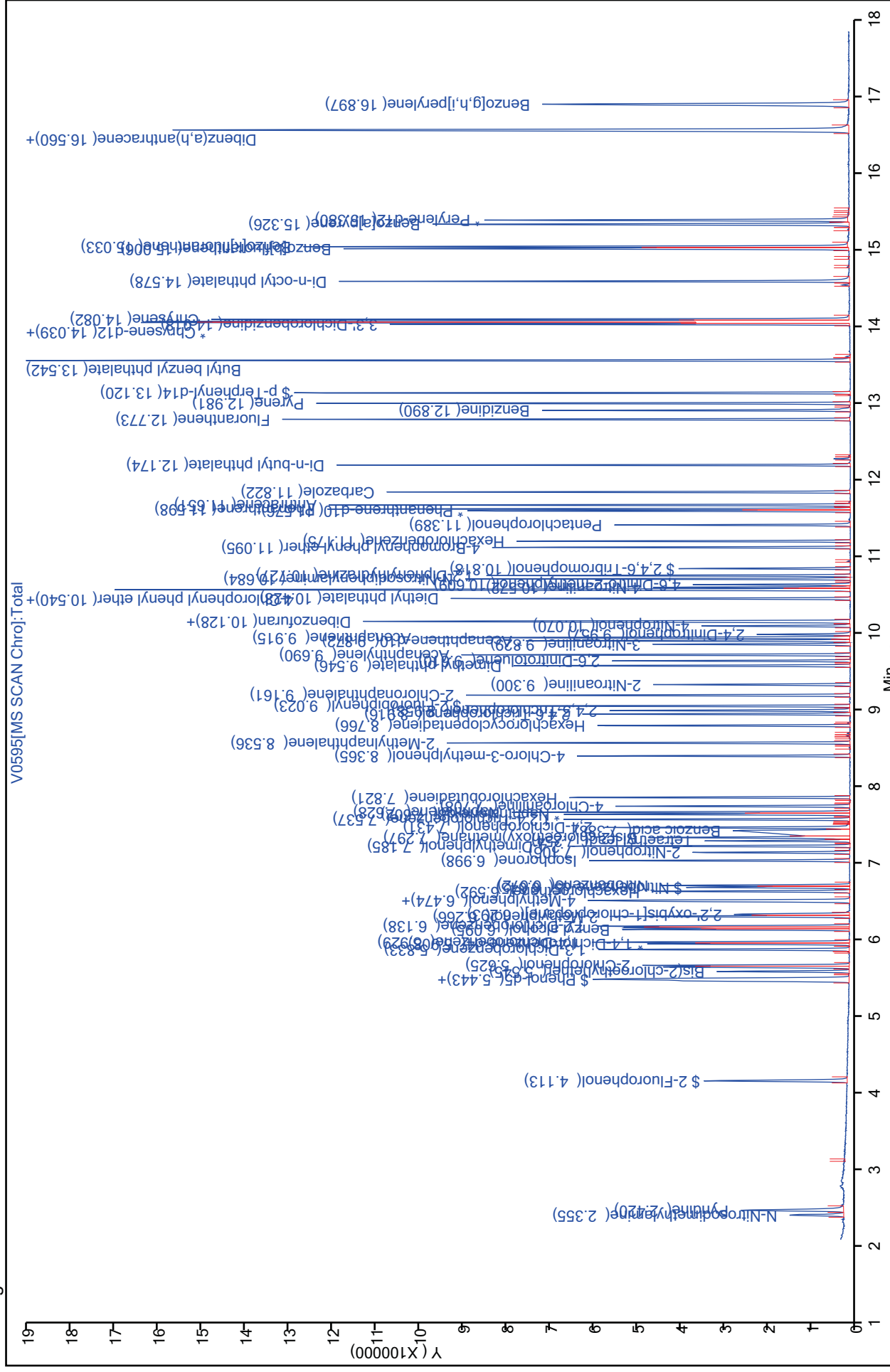
Injection Vol:

1.00 ul

Column Dia:

0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110524-3425.b\V0596.D
 Lims ID: IC - 8270 20 pt Client ID:
 Inject. Date: 25-May-2011 11:37:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: 480-0003425-006
 Misc. Info.: IC - 8270 20 PT
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 6
 Lims Batch ID: 17360 Lims Sample ID: 6
 Sublist: chrom-V-8270*sub23
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110524-3425.b\V-8270.m
 Last Update: 27-May-2011 15:37:42 Calib Date: 25-May-2011 14:48:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110524-3425.b\V0604.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: gonzalezj

Date: 26-May-2011 10:48:05

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.908	5.908	0.0	76	75765	40.0	
* 2 Naphthalene-d8	136	7.602	7.602	0.0	98	294335	40.0	
* 3 Acenaphthene-d10	164	9.872	9.872	0.0	90	175844	40.0	
* 4 Phenanthrene-d10	188	11.571	11.576	-0.005	95	296626	40.0	
* 5 Chrysene-d12	240	14.055	14.061	-0.005	95	310787	40.0	
* 6 Perylene-d12	264	15.380	15.380	0.0	100	318440	40.0	
\$ 9 2-Fluorophenol	112	4.113	4.113	0.0	84	46731	20.5	
\$ 10 Phenol-d5	99	5.417	5.422	-0.005	92	54774	20.2	
\$ 11 Nitrobenzene-d5	82	6.645	6.645	0.0	76	52968	20.6	
\$ 12 2-Fluorobiphenyl	172	9.017	9.023	-0.006	97	113155	20.5	
\$ 13 2,4,6-Tribromophenol	330	10.818	10.818	0.0	64	13112	18.7	
\$ 14 p-Terphenyl-d14	244	13.115	13.120	-0.005	96	140618	20.8	
81 N-Nitrosodimethylamine	42	2.356	2.356	0.0	78	23231	20.5	
82 Pyridine	52	2.420	2.420	0.0	90	33667	20.5	
89 Phenol	94	5.438	5.438	0.0	89	63688	20.2	
90 Aniline	93	5.454	5.454	0.0	85	72694	20.6	
91 Bis(2-chloroethyl)ether	93	5.545	5.545	0.0	87	47229	21.0	
93 2-Chlorophenol	128	5.625	5.625	0.0	85	53872	20.9	
94 1,3-Dichlorobenzene	146	5.833	5.833	0.0	94	61141	20.5	
95 1,4-Dichlorobenzene	146	5.929	5.930	-0.001	80	63005	21.0	
96 Benzyl alcohol	108	6.095	6.095	0.0	73	32387	20.4	
97 1,2-Dichlorobenzene	146	6.138	6.138	0.0	79	57877	20.6	
98 2-Methylphenol	108	6.266	6.266	0.0	89	43662	20.4	
99 2,2'-oxybis[1-chloropropane]	45	6.293	6.293	0.0	77	44145	20.7	
101 N-Nitrosodi-n-propylamine	70	6.458	6.464	-0.006	76	33965	20.1	
102 4-Methylphenol	108	6.474	6.475	-0.001	91	46801	20.8	
106 Hexachloroethane	117	6.592	6.592	0.0	87	23000	20.3	
107 Nitrobenzene	77	6.672	6.672	0.0	81	55604	20.8	
110 Isophorone	82	6.998	6.998	0.0	95	92999	20.5	
111 2-Nitrophenol	139	7.105	7.105	0.0	91	24850	19.5	

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	97	56091	20.6	
113 Tetraethyl lead	237	7.254	7.254	0.0	89	25812	21.4	
115 Bis(2-chloroethoxy)methane	93	7.297	7.297	0.0	94	52201	20.7	
119 Benzoic acid	105	7.372	7.388	-0.016	77	207231	112.9	
117 2,4-Dichlorophenol	162	7.431	7.431	0.0	91	42187	20.2	
120 1,2,4-Trichlorobenzene	180	7.538	7.538	0.0	91	49137	20.5	
121 Naphthalene	128	7.628	7.628	0.0	90	146983	20.7	
123 4-Chloroaniline	127	7.708	7.709	-0.001	84	59809	20.2	
126 Hexachlorobutadiene	225	7.821	7.821	0.0	91	33152	20.6	
131 4-Chloro-3-methylphenol	107	8.366	8.366	0.0	86	47312	20.4	
133 2-Methylnaphthalene	142	8.537	8.537	-0.001	84	102331	20.6	
136 Hexachlorocyclopentadiene	237	8.766	8.766	0.0	92	34833	19.1	
139 2,4,6-Trichlorophenol	196	8.916	8.916	0.0	85	32226	20.5	
140 2,4,5-Trichlorophenol	196	8.964	8.959	0.005	91	33958	20.0	
143 2-Chloronaphthalene	162	9.162	9.162	0.0	97	100964	20.6	
145 2-Nitroaniline	65	9.300	9.301	-0.001	62	28829	20.3	
147 Dimethyl phthalate	163	9.546	9.546	0.0	98	121377	20.5	
148 2,6-Dinitrotoluene	165	9.610	9.610	0.0	86	24043	19.6	
149 Acenaphthylene	152	9.690	9.691	-0.001	89	151835	20.7	
150 3-Nitroaniline	138	9.824	9.829	-0.005	87	25015	19.7	
151 Acenaphthene	153	9.915	9.915	0.0	93	93674	20.4	
152 2,4-Dinitrophenol	184	9.958	9.958	0.0	52	8262	18.5	
153 4-Nitrophenol	109	10.064	10.065	0.0	87	16534	18.2	
154 2,4-Dinitrotoluene	165	10.118	10.123	-0.005	82	35351	19.9	
155 Dibenzofuran	168	10.128	10.129	-0.001	83	143542	20.9	
160 Diethyl phthalate	149	10.422	10.428	-0.006	94	119104	20.5	
161 Fluorene	166	10.540	10.540	0.0	80	114402	20.0	
162 4-Chlorophenyl phenyl ether	204	10.545	10.545	0.0	84	61708	20.6	
164 4-Nitroaniline	138	10.567	10.572	-0.005	70	25402	20.1	
166 4,6-Dinitro-2-methylphenol	198	10.609	10.609	0.0	74	15546	19.5	
167 N-Nitrosodiphenylamine	169	10.684	10.684	0.0	55	81249	20.7	
168 1,2-Diphenylhydrazine	77	10.727	10.727	0.0	97	109425	21.0	
176 4-Bromophenyl phenyl ether	248	11.095	11.096	-0.001	58	35145	20.0	
177 Hexachlorobenzene	284	11.176	11.176	0.0	84	37292	20.4	
181 Pentachlorophenol	266	11.389	11.389	0.0	66	15725	19.1	
185 Phenanthrene	178	11.598	11.598	0.0	96	163137	20.7	
188 Anthracene	178	11.651	11.651	0.0	96	164693	20.9	
189 Carbazole	167	11.817	11.822	-0.005	83	152073	20.9	
192 Di-n-butyl phthalate	149	12.175	12.175	0.0	100	184122	21.1	
197 Fluoranthene	202	12.768	12.773	-0.005	96	188022	20.9	
198 Benzidine	184	12.890	12.891	-0.001	93	90927	21.1	
199 Pyrene	202	12.981	12.981	0.0	98	191190	21.7	
203 3,3'-Dimethylbenzidine	212		13.542					
205 Butyl benzyl phthalate	149	13.542	13.548	-0.006	98	80521	19.9	
208 3,3'-Dichlorobenzidine	252	14.012	14.018	-0.006	59	64542	19.7	
210 Bis(2-ethylhexyl) phthalate	149	14.034	14.039	-0.005	94	113435	20.6	
209 Benzo[a]anthracene	228	14.044	14.050	-0.006	92	189455	21.3	
211 Chrysene	228	14.076	14.082	-0.006	91	178806	20.9	
212 Di-n-octyl phthalate	149	14.579	14.579	0.0	98	171633	19.9	
213 Benzo[b]fluoranthene	252	15.006	15.006	0.0	90	194684	20.0	
214 Benzo[k]fluoranthene	252	15.027	15.033	-0.006	97	198917	21.1	
217 Benzo[a]pyrene	252	15.321	15.327	-0.006	67	161642	20.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
219 Indeno[1,2,3-cd]pyrene	276	16.550	16.555	-0.005	92	212687	20.1	
220 Dibenz(a,h)anthracene	278	16.555	16.561	-0.006	36	177893	19.8	
221 Benzo[g,h,i]perylene	276	16.886	16.897	-0.011	89	174363	20.8	
S 222 Total Cresols	1				0		41.2	
S 77 3 & 4 Methylphenol	108				0		20.8	
S 78 3-Methylphenol	1				0		20.8	

Report Date: 27-May-2011 15:37:42

Data File:

\\Bufchrom\ChromData\HP5973V\20110524-3425.bV0596.D

Injection Date:

25-May-2011 11:37:30

Client ID:

17360

Operator ID:

MKP

Column Type:

RXI-5Sil MS

Chrom Revision: 1.2 17-May-2011 14:46:34

Limit Group:

MB - 8270C ICAL

Instrument ID:

HP5973V

Lims Sample ID:

6

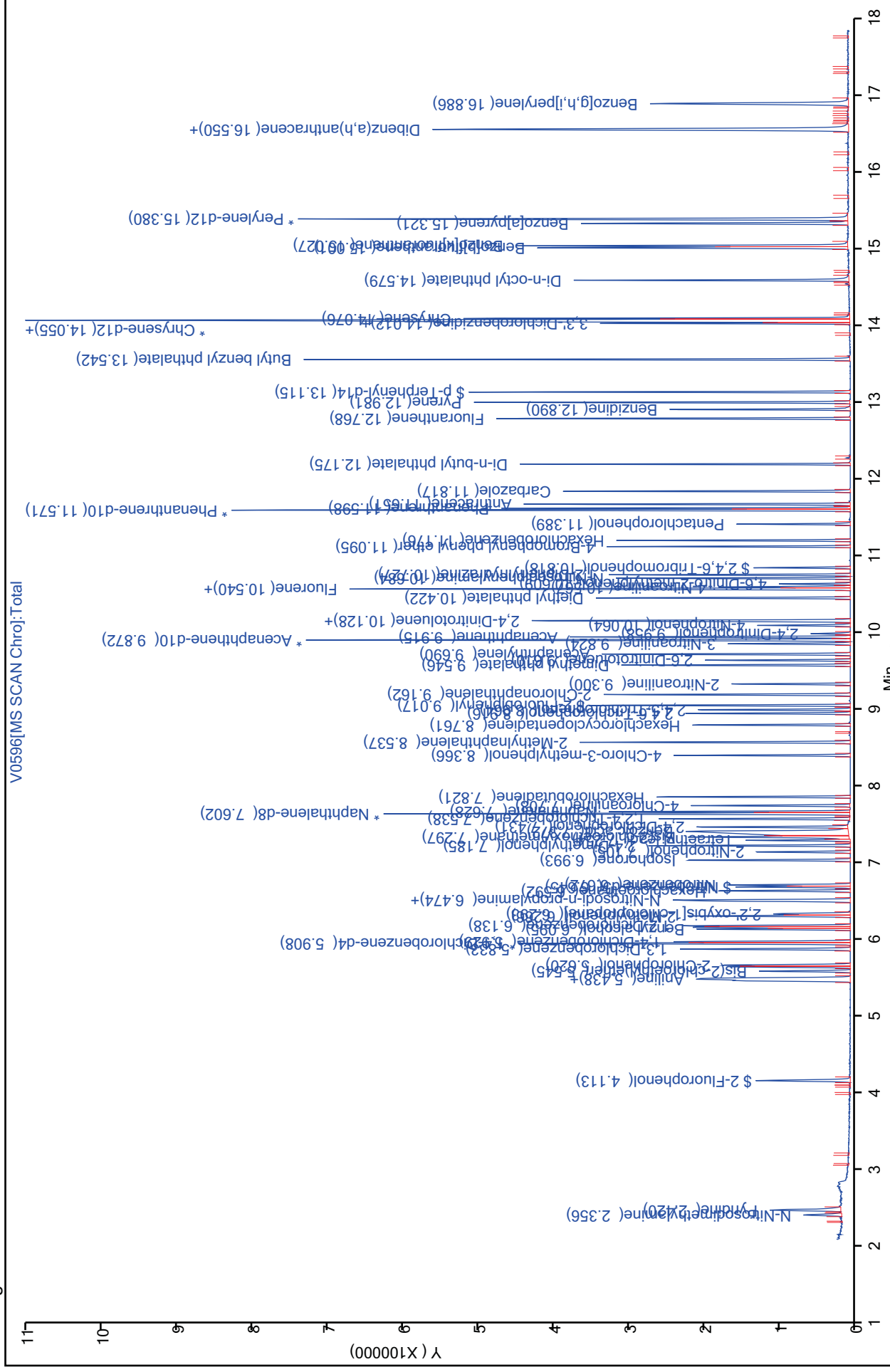
Injection Vol:

1.00 ul

Column Dia:

0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110524-3425.b\V0597.D
 Lims ID: IC - 8270 5 pt Client ID:
 Inject. Date: 25-May-2011 12:01:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: 480-0003425-007
 Misc. Info.: IC - 8270 5 PT
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 7
 Lims Batch ID: 17360 Lims Sample ID: 7
 Sublist: chrom-V-8270*sub23
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110524-3425.b\V-8270.m
 Last Update: 27-May-2011 15:41:47 Calib Date: 25-May-2011 14:48:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110524-3425.b\V0604.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: gonzalezj

Date: 26-May-2011 10:49:11

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.908	5.908	0.0	89	74068	40.0	
* 2 Naphthalene-d8	136	7.602	7.602	0.0	99	286794	40.0	
* 3 Acenaphthene-d10	164	9.872	9.872	0.0	90	172422	40.0	
* 4 Phenanthrene-d10	188	11.571	11.576	-0.005	97	285711	40.0	
* 5 Chrysene-d12	240	14.055	14.061	-0.005	97	304030	40.0	
* 6 Perylene-d12	264	15.380	15.380	0.0	99	309348	40.0	
\$ 9 2-Fluorophenol	112	4.113	4.113	0.0	24	10467	4.70	
\$ 10 Phenol-d5	99	5.417	5.422	-0.005	57	12747	4.81	
\$ 11 Nitrobenzene-d5	82	6.645	6.645	0.0	50	11927	4.75	
\$ 12 2-Fluorobiphenyl	172	9.017	9.023	-0.006	79	28189	5.21	
\$ 13 2,4,6-Tribromophenol	330	10.823	10.818	0.005	1	2721	4.02	
\$ 14 p-Terphenyl-d14	244	13.115	13.120	-0.005	79	33274	5.03	
81 N-Nitrosodimethylamine	42	2.356	2.356	0.0	68	5226	4.71	
82 Pyridine	52	2.425	2.420	0.005	88	8016	4.99	
89 Phenol	94	5.433	5.438	-0.005	79	15457	5.03	
90 Aniline	93	5.454	5.454	0.0	56	17165	4.97	
91 Bis(2-chloroethyl)ether	93	5.545	5.545	0.0	59	11103	5.05	
93 2-Chlorophenol	128	5.625	5.625	0.0	67	11934	4.74	
94 1,3-Dichlorobenzene	146	5.833	5.833	0.0	76	15223	5.22	
95 1,4-Dichlorobenzene	146	5.930	5.930	0.0	56	14847	5.07	
96 Benzyl alcohol	108	6.090	6.095	-0.005	61	7093	4.57	
97 1,2-Dichlorobenzene	146	6.138	6.138	0.0	60	14470	5.26	
98 2-Methylphenol	108	6.261	6.266	-0.005	70	10385	4.97	
99 2,2'-oxybis[1-chloropropane]	45	6.293	6.293	0.0	66	10701	5.15	
101 N-Nitrosodi-n-propylamine	70	6.458	6.464	-0.006	64	7538	4.55	
102 4-Methylphenol	108	6.474	6.475	-0.001	76	10568	4.81	
106 Hexachloroethane	117	6.597	6.592	0.005	70	5375	4.85	
107 Nitrobenzene	77	6.667	6.672	-0.005	68	12498	4.80	
110 Isophorone	82	6.998	6.998	0.0	75	20758	4.70	
111 2-Nitrophenol	139	7.100	7.105	-0.005	24	5016	4.05	

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	77	13160	4.95	
113 Tetraethyl lead	237	7.254	7.254	0.0	74	6170	5.25	
115 Bis(2-chloroethoxy)methane	93	7.297	7.297	0.0	81	12581	5.13	
119 Benzoic acid	105	7.361	7.388	-0.027	77	163331	91.3	
117 2,4-Dichlorophenol	162	7.431	7.431	0.0	60	10050	4.95	
120 1,2,4-Trichlorobenzene	180	7.538	7.538	0.0	65	12011	5.14	
121 Naphthalene	128	7.628	7.628	0.0	70	36616	5.29	
123 4-Chloroaniline	127	7.709	7.709	0.0	66	14453	5.00	
126 Hexachlorobutadiene	225	7.826	7.821	0.005	66	7805	4.97	
131 4-Chloro-3-methylphenol	107	8.366	8.366	0.0	63	10319	4.56	
133 2-Methylnaphthalene	142	8.537	8.537	0.0	73	24475	5.05	
136 Hexachlorocyclopentadiene	237	8.761	8.766	-0.005	44	7748	4.33	
139 2,4,6-Trichlorophenol	196	8.916	8.916	0.0	27	6453	4.19	
140 2,4,5-Trichlorophenol	196	8.964	8.959	0.005	59	7387	4.43	
143 2-Chloronaphthalene	162	9.162	9.162	0.0	82	24654	5.14	
145 2-Nitroaniline	65	9.301	9.301	-0.001	13	5367	3.85	
147 Dimethyl phthalate	163	9.546	9.546	0.0	82	28443	4.90	
148 2,6-Dinitrotoluene	165	9.610	9.610	0.0	30	4605	3.82	
149 Acenaphthylene	152	9.690	9.691	-0.001	78	35532	4.93	
150 3-Nitroaniline	138	9.829	9.829	0.0	67	5019	4.04	
151 Acenaphthene	153	9.915	9.915	0.0	80	23059	5.11	
152 2,4-Dinitrophenol	184	9.963	9.958	0.005	13	2833	10.9	
153 4-Nitrophenol	109	10.064	10.065	0.0	66	6691	7.50	
154 2,4-Dinitrotoluene	165	10.123	10.123	0.0	27	7023	4.04	
155 Dibenzofuran	168	10.129	10.129	0.0	73	34296	5.08	
160 Diethyl phthalate	149	10.428	10.428	0.0	87	27193	4.78	
161 Fluorene	166	10.540	10.540	0.0	85	27201	4.85	
162 4-Chlorophenyl phenyl ether	204	10.545	10.545	0.0	77	14302	4.87	
164 4-Nitroaniline	138	10.567	10.572	-0.005	7	5228	4.23	
166 4,6-Dinitro-2-methylphenol	198	10.609	10.609	0.0	46	5858	10.5	
167 N-Nitrosodiphenylamine	169	10.684	10.684	0.0	24	19127	5.07	
168 1,2-Diphenylhydrazine	77	10.727	10.727	0.0	94	26436	5.18	
176 4-Bromophenyl phenyl ether	248	11.095	11.096	-0.001	39	8576	5.06	
177 Hexachlorobenzene	284	11.176	11.176	0.0	60	8554	4.86	
181 Pentachlorophenol	266	11.389	11.389	0.0	24	5923	10.7	
185 Phenanthrene	178	11.598	11.598	0.0	86	40141	5.28	
188 Anthracene	178	11.651	11.651	0.0	85	38223	5.03	
189 Carbazole	167	11.817	11.822	-0.005	65	36270	5.18	
192 Di-n-butyl phthalate	149	12.175	12.175	0.0	89	39015	4.63	
197 Fluoranthene	202	12.768	12.773	-0.005	86	42478	4.91	
198 Benzidine	184	12.890	12.891	-0.001	50	18226	4.32	
199 Pyrene	202	12.981	12.981	0.0	97	46624	5.38	
203 3,3'-Dimethylbenzidine	212		13.542					
205 Butyl benzyl phthalate	149	13.542	13.548	-0.006	89	15896	4.01	
208 3,3'-Dichlorobenzidine	252	14.018	14.018	0.0	1	12726	3.97	
210 Bis(2-ethylhexyl) phthalate	149	14.034	14.039	-0.005	89	23825	4.42	
209 Benzo[a]anthracene	228	14.044	14.050	-0.006	74	45065	5.17	
211 Chrysene	228	14.076	14.082	-0.006	81	45986	5.48	
212 Di-n-octyl phthalate	149	14.579	14.579	0.0	79	31642	3.75	
213 Benzo[b]fluoranthene	252	15.001	15.006	-0.005	81	47128	5.09	
214 Benzo[k]fluoranthene	252	15.027	15.033	-0.006	89	45564	4.98	
217 Benzo[a]pyrene	252	15.321	15.327	-0.006	39	35687	4.64	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
219 Indeno[1,2,3-cd]pyrene	276	16.545	16.555	-0.010	92	48029	4.68	
220 Dibenz(a,h)anthracene	278	16.550	16.561	-0.011	28	41099	4.72	
221 Benzo[g,h,i]perylene	276	16.886	16.897	-0.011	76	40683	4.99	
S 222 Total Cresols	1				0		9.78	
S 77 3 & 4 Methylphenol	108				0		4.81	
S 78 3-Methylphenol	1				0		4.81	

Report Date: 27-May-2011 15:41:48

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973V\20110524-3425.bV0597.D

Injection Date: 25-May-2011 12:01:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973V

Lims Batch ID: 17360

Lims Sample ID: 7

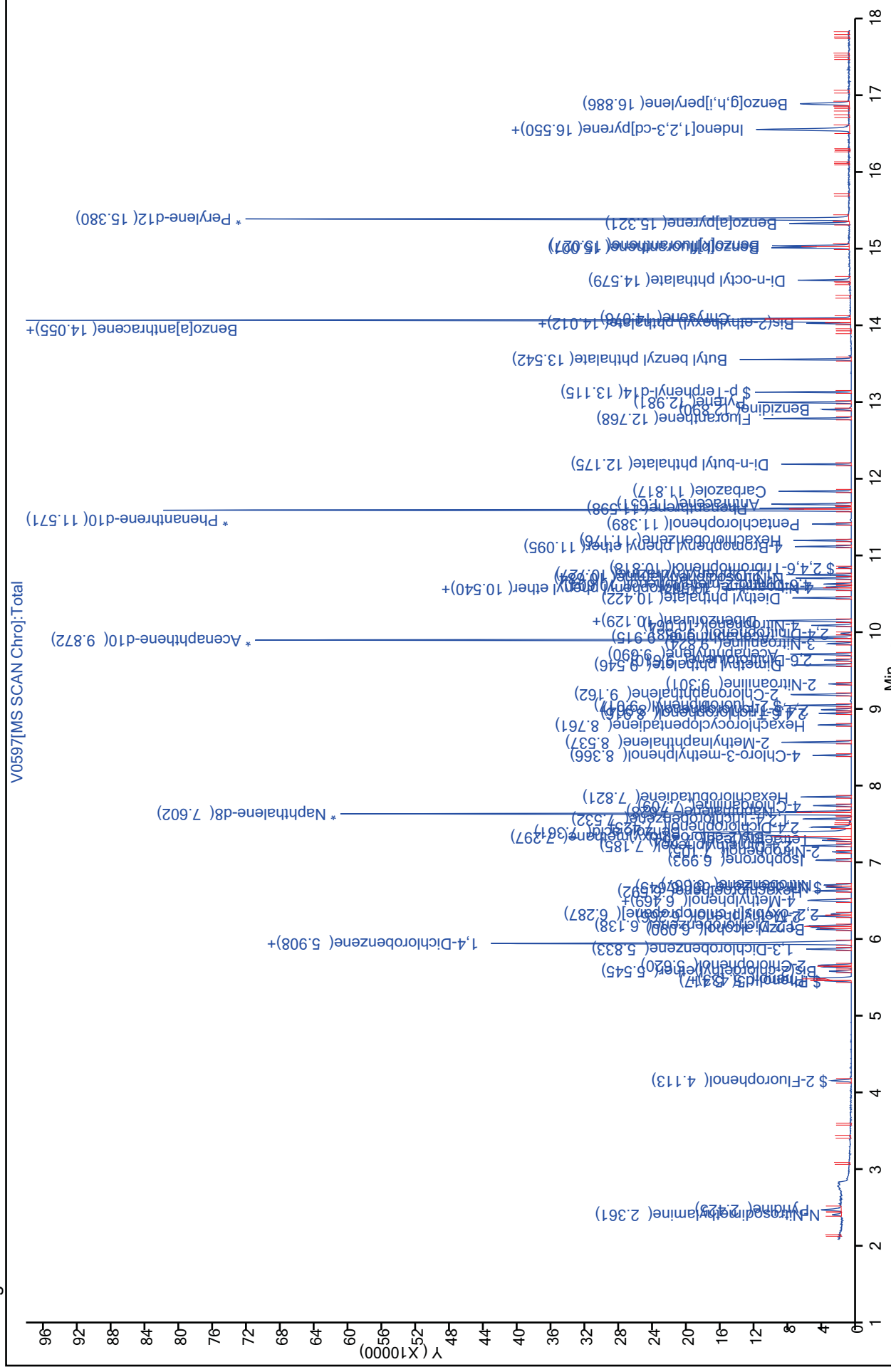
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



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

Lab Name: TestAmerica Buffalo

SDG No.:

Job No.: 480-5072-1

Analy Batch No.: 17115

Instrument ID: HP5973W

GC Column: RXI-5Sil MS

ID: 0.25 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 05/23/2011

11:37

Calibration End Date: 05/23/2011

13:59

Calibration ID: 2246

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-17115/7	W0269.D
Level 2	IC 480-17115/6	W0268.D
Level 3	ICIS 480-17115/5	W0267.D
Level 4	IC 480-17115/4	W0266.D
Level 5	IC 480-17115/3	W0265.D
Level 6	IC 480-17115/2	W0263.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	1.0532 1.0865	1.0294	1.0149	1.0355	1.0123		Ave		1.0386					2.7	15.0			
Pyridine	1.9192 2.0154	1.8883	1.8958	1.9081	1.8426		Ave		1.9115					3.0	15.0			
Aniline	2.3932 2.0881	2.4270	2.2545	2.3016	2.1437		Ave		2.2680					5.9	15.0			
Phenol	2.0356 1.8860	2.0152	1.9794	2.0401	1.9308		Ave		1.9812					3.1	15.0			
Bis (2-chloroethyl)ether	1.4626 1.3847	1.4899	1.3925	1.4586	1.3621		Ave		1.4251					3.6	15.0			
2-Chlorophenol	1.6391 1.4129	1.5861	1.4988	1.5192	1.4466		Ave		1.5171					5.6	15.0			
1,3-Dichlorobenzene	1.7415 1.5322	1.7563	1.6344	1.6369	1.5342		Ave		1.6393					5.9	15.0			
1,4-Dichlorobenzene	1.7347 1.5741	1.6915	1.6138	1.6760	1.5748		Ave		1.6441					4.0	15.0			
Benzyl alcohol	0.8994 0.9392	1.0181	1.0023	1.0208	0.9618		Ave		0.9736					5.0	15.0			
1,2-Dichlorobenzene	1.6370 1.4271	1.6266	1.5132	1.5566	1.4395		Ave		1.5333					5.9	15.0			
2-Methylphenol	1.3938 1.2460	1.4651	1.3120	1.3607	1.2843		Ave		1.3436					5.9	15.0			
bis (2-chloroisopropyl) ether	2.6865 2.2718	2.6327	2.4804	2.5082	2.2753		Ave		2.4758					7.0	15.0			
N-Nitrosodi-n-propylamine	1.0110 1.0553	1.1335	1.0568	1.1290	1.0529		Ave		1.0731			0.0500		4.5	15.0			
4-Methylphenol	1.4437 1.3392	1.4677	1.4124	1.4439	1.3403		Ave		1.4079					3.9	15.0			
Hexachloroethane	0.7087 0.6537	0.6903	0.6644	0.6793	0.6508		Ave		0.6745					3.3	15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1 Analy Batch No.: 17115

SDG No.: _____

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/23/2011 11:37 Calibration End Date: 05/23/2011 13:59 Calibration ID: 2246

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		B	M1	M2								
Nitrobenzene	0.4295 0.3968	0.4251	0.4087	0.4057	0.4032	Ave	0.4115				3.1		15.0			
Isophorone	0.7049 0.6925	0.7272	0.7246	0.7066	0.7076	Ave	0.7106				1.8		15.0			
2-Nitrophenol	0.1652 0.1804	0.1878	0.1901	0.1827	0.1848	Ave	0.1818				4.9		15.0			
2,4-Dimethylphenol	0.4229 0.3861	0.4189	0.4016	0.4060	0.4006	Ave	0.4060				3.3		15.0			
Tetraethyl lead	0.1561 0.1414	0.1730	0.1512	0.1473	0.1461	Ave	0.1525				7.3		15.0			
Bis (2-chloroethoxy)methane	0.4307 0.3673	0.4171	0.4009	0.3827	0.3786	Ave	0.3962				6.2		15.0			
2,4-Dichlorophenol	0.3211 0.2769	0.2993	0.2948	0.2844	0.2873	Ave	0.2940				5.3		15.0			
Benzoic acid	0.2740 0.2943	0.2763	0.2800	0.2940	0.3059	Ave	0.2874				4.4		15.0			
1,2,4-Trichlorobenzene	0.3892 0.3078	0.3535	0.3405	0.3250	0.3271	Ave	0.3405				8.3		15.0			
Naphthalene	1.0874 0.9219	1.0647	1.0035	0.9826	0.9710	Ave	1.0052				6.1		15.0			
4-Chloroaniline	0.4334 0.3962	0.4420	0.4290	0.4200	0.4115	Ave	0.4220				3.9		15.0			
Hexachlorobutadiene	0.2134 0.1910	0.2201	0.2043	0.2029	0.2020	Ave	0.2056				4.9		15.0			
4-Chloro-3-methylphenol	0.3435 0.3311	0.3581	0.3521	0.3425	0.3418	Ave	0.3448				2.7		15.0			
2-Methylnaphthalene	0.6344 0.6042	0.6798	0.6527	0.6352	0.6406	Ave	0.6412				3.9		15.0			
Hexachlorocyclopentadiene	0.3602 0.3852	0.3904	0.3930	0.3905	0.3999	Ave	0.3865			0.0500	3.6		15.0			
2,4,6-Trichlorophenol	0.3182 0.3372	0.3733	0.3490	0.3457	0.3509	Ave	0.3457				5.2		15.0			
2,4,5-Trichlorophenol	0.3451 0.3563	0.3795	0.3743	0.3763	0.3795	Ave	0.3685				3.9		15.0			
2-Chloronaphthalene	1.1247 0.9926	1.1571	1.0808	1.0506	1.0487	Ave	1.0757				5.5		15.0			
2-Nitroaniline	0.3127 0.4080	0.4125	0.4106	0.4059	0.4150	Ave	0.3941				10.0		15.0			
Dimethyl phthalate	1.3380 1.1989	1.3843	1.2958	1.2744	1.2880	Ave	1.2966				4.8		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1 Analy Batch No.: 17115

SDG No.: _____

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/23/2011 11:37 Calibration End Date: 05/23/2011 13:59 Calibration ID: 2246

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	0.2500 0.2712	0.2778	0.2842	0.2844	0.2870	Ave	0.2758				5.0		15.0			
Acenaphthylene	1.6515 1.4827	1.7110	1.6172	1.5541	1.5694	Ave	1.5977				5.0		15.0			
3-Nitroaniline	0.2980 0.3043	0.3223	0.3254	0.3118	0.3155	Ave	0.3129				3.3		15.0			
Acenaphthene	1.1914 1.0063	1.1596	1.0782	1.0625	1.0697	Ave	1.0946				6.2		15.0			
2,4-Dinitrophenol	0.0799 0.1672	0.1265	0.1574	0.1635	0.1744	Lin1	-0.976	0.1769		0.0500				0.9990		0.9900
4-Nitrophenol	0.2296 0.2655	0.2414	0.2621	0.2655	0.2702	Ave	0.2557			0.0500	6.4		15.0			
2,4-Dinitrotoluene	0.3439 0.3759	0.4153	0.4049	0.3928	0.3980	Ave	0.3885				6.6		15.0			
Dibenzofuran	1.6323 1.3805	1.6370	1.5250	1.4496	1.4652	Ave	1.5149				6.8		15.0			
Diethyl phthalate	1.2627 1.1465	1.3164	1.2598	1.2311	1.2337	Ave	1.2417				4.5		15.0			
Fluorene	1.2855 1.1409	1.2818	1.2296	1.1937	1.2038	Ave	1.2225				4.5		15.0			
4-Chlorophenyl phenyl ether	0.7325 0.6147	0.7138	0.6614	0.6332	0.6477	Ave	0.6672				7.0		15.0			
4-Nitroaniline	0.3025 0.3103	0.3347	0.3343	0.3179	0.3206	Ave	0.3200				4.0		15.0			
4,6-Dinitro-2-methylphenol	0.1063 0.1417	0.1303	0.1401	0.1448	0.1497	Ave	0.1355				12.0		15.0			
N-Nitrosodiphenylamine	0.5232 0.4512	0.5222	0.4987	0.4745	0.4791	Ave	0.4915				5.8		15.0			
1,2-Diphenylhydrazine	1.2931 1.2245	1.3541	1.3174	1.2837	1.2940	Ave	1.2945				3.3		15.0			
4-Bromophenyl phenyl ether	0.2113 0.1906	0.2220	0.2120	0.2027	0.2054	Ave	0.2073				5.1		15.0			
Hexachlorobenzene	0.2424 0.1983	0.2322	0.2198	0.2055	0.2134	Ave	0.2186				7.6		15.0			
Pentachlorophenol	0.0752 0.1178	0.0909	0.1207	0.1221	0.1258	Lin1	-0.529	0.1261						0.9980		0.9900
Phenanthrene	1.2641 0.9808	1.1857	1.1367	1.0824	1.0821	Ave	1.1220				8.7		15.0			
Anthracene	1.1599 1.0072	1.2261	1.1655	1.0929	1.0846	Ave	1.1227				6.9		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 CURVE EVALUTION

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1 Analy Batch No.: 17115

SDG No.: _____

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/23/2011 11:37 Calibration End Date: 05/23/2011 13:59 Calibration ID: 2246

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	1.0503 0.8882	1.0532	0.9935	0.9456	0.9502	Ave	0.9802				6.6		15.0			
Di-n-butyl phthalate	1.0811 1.0782	1.2475	1.2230	1.1874	1.1781	Ave	1.1659				6.1		15.0			
Fluoranthene	1.3265 1.1578	1.3776	1.3149	1.2429	1.2220	Ave	1.2736				6.3		15.0			
Benzidine	0.6090 0.6080	0.6925	0.6657	0.6500	0.6311	Ave	0.6427				5.2		15.0			
Pyrene	1.3702 1.2028	1.3459	1.2924	1.2528	1.2427	Ave	1.2845				5.0		15.0			
Butyl benzyl phthalate	0.5093 0.5577	0.5735	0.5772	0.5664	0.5576	Ave	0.5569				4.4		15.0			
3,3'-Dichlorobenzidine	0.3749 0.4133	0.4314	0.4270	0.4328	0.4249	Ave	0.4174				5.3		15.0			
Benz(a)anthracene	1.2103 1.0681	1.2133	1.1278	1.1156	1.1161	Ave	1.1419				5.1		15.0			
Bis(2-ethylhexyl) phthalate	0.7240 0.7524	0.7730	0.7662	0.7709	0.7701	Ave	0.7594				2.5		15.0			
Chrysene	1.1894 1.0663	1.2098	1.1341	1.1050	1.0590	Ave	1.1273				5.6		15.0			
Di-n-octyl phthalate	1.0497 1.2931	1.2733	1.3451	1.3325	1.3172	Ave	1.2685				8.7		15.0			
Benzo(b)fluoranthene	1.1463 1.1027	1.1849	1.2180	1.0832	1.1360	Ave	1.1452				4.4		15.0			
Benzo(k)fluoranthene	1.3225 1.1179	1.3551	1.2177	1.2135	1.1765	Ave	1.2338				7.2		15.0			
Benzo(a)pyrene	0.9780 0.9308	1.0293	1.0295	0.9494	0.9821	Ave	0.9832				4.1		15.0			
Indeno(1,2,3-c,d)pyrene	1.1378 1.2377	1.2358	1.2181	1.1578	1.2430	Ave	1.2050				3.8		15.0			
Dibenz(a,h)anthracene	0.9260 1.0209	1.0134	0.9763	0.9772	1.0160	Ave	0.9883				3.7		15.0			
Benzo(g,h,i)perylene	1.0303 1.0308	1.0354	1.0294	0.9893	1.0255	Ave	1.0235				1.7		15.0			
2-Fluorophenol	1.4612 1.4683	1.4919	1.4535	1.5119	1.4224	Ave	1.4682				2.1		15.0			
Phenol-d5	1.7255 1.5749	1.8284	1.6666	1.6958	1.6052	Ave	1.6827				5.4		15.0			
Nitrobenzene-d5	0.3742 0.3969	0.4170	0.3952	0.3957	0.3967	Ave	0.3960				3.4		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 EVALUTION

Lab Name: TestAmerica Buffalo

SDG No.:

Job No.: 480-5072-1

Analy Batch No.: 17115

Instrument ID: HP5973W

GC Column: RXI-5Sil MS

ID: 0.25 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 05/23/2011

11:37

Calibration End Date: 05/23/2011

13:59

Calibration ID: 2246

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	1.2908 1.0827	1.2599	1.2046	1.1635	1.1571	Ave			1.1931			6.3		15.0			
2,4,6-Tribromophenol	0.0968 0.0916	0.0961	0.0974	0.0939	0.0975	Ave			0.0956			2.5		15.0			
p-Terphenyl-d14	0.8774 0.7937	0.8731	0.8398	0.8125	0.8106	Ave			0.8345			4.2		15.0			

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

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1 Analy Batch No.: 17115

SDG No.:

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/23/2011 11:37 Calibration End Date: 05/23/2011 13:59 Calibration ID: 2246

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-17115/7	W0269.D
Level 2	IC 480-17115/6	W0268.D
Level 3	ICIS 480-17115/5	W0267.D
Level 4	IC 480-17115/4	W0266.D
Level 5	IC 480-17115/3	W0265.D
Level 6	IC 480-17115/2	W0263.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	15590 539644	61643	162051	247222	370482	5.00 160	20.0	50.0	80.0	120
Pyridine	DCB	Ave	28408 1001004	113078	302697	455550	674350	5.00 160	20.0	50.0	80.0	120
Aniline	DCB	Ave	35425 1037137	145339	359980	549490	784563	5.00 160	20.0	50.0	80.0	120
Phenol	DCB	Ave	30132 936749	120682	316058	487053	706658	5.00 160	20.0	50.0	80.0	120
Bis (2-chloroethyl) ether	DCB	Ave	21650 687777	89222	222340	348236	498503	5.00 160	20.0	50.0	80.0	120
2-Chlorophenol	DCB	Ave	24262 701766	94981	239322	362694	529445	5.00 160	20.0	50.0	80.0	120
1,3-Dichlorobenzene	DCB	Ave	25779 761034	105174	260971	390810	561503	5.00 160	20.0	50.0	80.0	120
1,4-Dichlorobenzene	DCB	Ave	25677 781800	101296	257680	400132	576361	5.00 160	20.0	50.0	80.0	120
Benzyl alcohol	DCB	Ave	13313 466501	60966	160036	243703	352001	5.00 160	20.0	50.0	80.0	120
1,2-Dichlorobenzene	DCB	Ave	24232 708802	97406	241622	371633	526849	5.00 160	20.0	50.0	80.0	120
2-Methylphenol	DCB	Ave	20631 618847	87737	209485	324858	470028	5.00 160	20.0	50.0	80.0	120
bis (2-chloroisopropyl) ether	DCB	Ave	39766 1128376	157659	396056	598811	832721	5.00 160	20.0	50.0	80.0	120
N-Nitrosodi-n-propylamine	DCB	Ave	14965 524149	67881	168746	269536	385329	5.00 160	20.0	50.0	80.0	120
4-Methylphenol	DCB	Ave	21370 665164	87892	225527	344717	490538	5.00 160	20.0	50.0	80.0	120
Hexachloroethane	DCB	Ave	10490 324655	41337	106085	162189	238182	5.00 160	20.0	50.0	80.0	120
Nitrobenzene	NPT	Ave	25544 801474	103808	262592	411165	593563	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.: 480-5072-1 Analy Batch No.: 17115

SDG No.: _____

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/23/2011 11:37 Calibration End Date: 05/23/2011 13:59 Calibration ID: 2246

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	41927 1398879	177604	465622	716238	1041611	5.00 160	20.0	50.0	80.0	120
2-Nitrophenol	NPT	Ave	9828 364380	45865	122132	185187	272088	5.00 160	20.0	50.0	80.0	120
2,4-Dimethylphenol	NPT	Ave	25152 779973	102311	258043	411464	589707	5.00 160	20.0	50.0	80.0	120
Tetraethyl lead	NPT	Ave	9282 285559	42243	97172	149274	215101	5.00 160	20.0	50.0	80.0	120
Bis(2-chloroethoxy)methane	NPT	Ave	25615 741951	101874	257609	387899	557409	5.00 160	20.0	50.0	80.0	120
2,4-Dichlorophenol	NPT	Ave	19100 559387	73084	189436	288225	422905	5.00 160	20.0	50.0	80.0	120
Benzoic acid	NPT	Ave	325970 1783541	404925	539829	894044	1351134	100 480	120	150	240	360
1,2,4-Trichlorobenzene	NPT	Ave	23151 621843	86323	218791	329403	481509	5.00 160	20.0	50.0	80.0	120
Naphthalene	NPT	Ave	64674 1862143	260016	644775	995960	1429449	5.00 160	20.0	50.0	80.0	120
4-Chloroaniline	NPT	Ave	25776 800328	107950	275650	425738	605822	5.00 160	20.0	50.0	80.0	120
Hexachlorobutadiene	NPT	Ave	12695 385785	53750	131305	205699	297383	5.00 160	20.0	50.0	80.0	120
4-Chloro-3-methylphenol	NPT	Ave	20432 668733	87445	226243	347175	503201	5.00 160	20.0	50.0	80.0	120
2-Methylnaphthalene	NPT	Ave	37735 1220547	166029	419416	643782	942990	5.00 160	20.0	50.0	80.0	120
Hexachlorocyclopentadiene	ANT	Ave	12899 463768	56343	150624	237340	350243	5.00 160	20.0	50.0	80.0	120
2,4,6-Trichlorophenol	ANT	Ave	11395 405960	53885	133747	210129	307306	5.00 160	20.0	50.0	80.0	120
2,4,5-Trichlorophenol	ANT	Ave	12356 428962	54773	143430	228734	332428	5.00 160	20.0	50.0	80.0	120
2-Chloronaphthalene	ANT	Ave	40273 1195055	167001	414188	638617	918495	5.00 160	20.0	50.0	80.0	120
2-Nitroaniline	ANT	Ave	11197 491226	59541	157339	246713	363472	5.00 160	20.0	50.0	80.0	120
Dimethyl phthalate	ANT	Ave	47909 1443458	199796	496591	774639	1128111	5.00 160	20.0	50.0	80.0	120
2,6-Dinitrotoluene	ANT	Ave	8953 326480	40091	108915	172870	251398	5.00 160	20.0	50.0	80.0	120
Acenaphthylene	ANT	Ave	59136 1785238	246960	619746	944656	1374605	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.: 480-5072-1

Analy Batch No.: 17115

SDG No.:

Instrument ID: HP5973W

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

Heated Purge: (Y/N) N

Calibration Start Date: 05/23/2011 11:37

Calibration End Date: 05/23/2011 13:59

Calibration ID: 2246

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	Ave	10670 366380	46517	124709	189538	276311	5.00 160	20.0	50.0	80.0	120
Acenaphthene	ANT	Ave	42661 1211561	167363	413181	645865	936897	5.00 160	20.0	50.0	80.0	120
2,4-Dinitrophenol	ANT	Lin1	5720 201355	18252	60338	99376	152767	10.0 160	20.0	50.0	80.0	120
4-Nitrophenol	ANT	Ave	16439 319659	34847	100438	161371	236696	10.0 160	20.0	50.0	80.0	120
2,4-Dinitrotoluene	ANT	Ave	12314 452591	59940	155170	238764	348557	5.00 160	20.0	50.0	80.0	120
Dibenzofuran	ANT	Ave	58447 1662177	236273	584427	881150	1283300	5.00 160	20.0	50.0	80.0	120
Diethyl phthalate	ANT	Ave	45213 1380407	190004	482772	748303	1080540	5.00 160	20.0	50.0	80.0	120
Fluorene	ANT	Ave	46029 1373666	185007	471198	725560	1054381	5.00 160	20.0	50.0	80.0	120
4-Chlorophenyl phenyl ether	ANT	Ave	26227 740151	103026	253459	384911	567256	5.00 160	20.0	50.0	80.0	120
4-Nitroaniline	ANT	Ave	10831 373603	48313	128100	193213	280796	5.00 160	20.0	50.0	80.0	120
4,6-Dinitro-2-methylphenol	PHN	Ave	13302 299215	33161	92366	154108	228533	10.0 160	20.0	50.0	80.0	120
N-Nitrosodiphenylamine	PHN	Ave	32750 952699	132918	328799	505183	731593	5.00 160	20.0	50.0	80.0	120
1,2-Diphenylhydrazine	ANT	Ave	46303 1474343	195446	504840	780311	1133394	5.00 160	20.0	50.0	80.0	120
4-Bromophenyl phenyl ether	PHN	Ave	13227 402550	56509	139802	215752	313628	5.00 160	20.0	50.0	80.0	120
Hexachlorobenzene	PHN	Ave	15172 418790	59115	144945	218741	325917	5.00 160	20.0	50.0	80.0	120
Pentachlorophenol	PHN	Lin1	9411 248681	23134	79605	130003	192127	10.0 160	20.0	50.0	80.0	120
Phenanthrene	PHN	Ave	79120 2070892	301814	749446	1152296	1652302	5.00 160	20.0	50.0	80.0	120
Anthracene	PHN	Ave	72602 2126717	312110	768414	1163419	1656111	5.00 160	20.0	50.0	80.0	120
Carbazole	PHN	Ave	65737 1875509	268101	655003	1006639	1450961	5.00 160	20.0	50.0	80.0	120
Di-n-butyl phthalate	PHN	Ave	67666 2276592	317561	806324	1264057	1798869	5.00 160	20.0	50.0	80.0	120
Fluoranthene	PHN	Ave	83027 2444637	350678	866949	1323171	1866013	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.: 480-5072-1 Analy Batch No.: 17115

SDG No.:

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 05/23/2011 11:37 Calibration End Date: 05/23/2011 13:59 Calibration ID: 2246

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	39951 1244958	185421	454979	696857	975851	5.00 160	20.0	50.0	80.0	120
Pyrene	CRY	Ave	89884 2462798	360394	883286	1343101	1921699	5.00 160	20.0	50.0	80.0	120
Butyl benzyl phthalate	CRY	Ave	33410 1141856	153572	394495	607241	862220	5.00 160	20.0	50.0	80.0	120
3, 3'-Dichlorobenzidine	CRY	Ave	24593 846190	115519	291848	464053	657084	5.00 160	20.0	50.0	80.0	120
Benz(a)anthracene	CRY	Ave	79392 2186979	324889	770781	1196049	1725955	5.00 160	20.0	50.0	80.0	120
Bis(2-ethylhexyl) phthalate	CRY	Ave	47496 1540581	206973	523666	826495	1190868	5.00 160	20.0	50.0	80.0	120
Chrysene	CRY	Ave	78023 2183367	323955	775072	1184620	1637687	5.00 160	20.0	50.0	80.0	120
Di-n-octyl phthalate	CRY	Ave	68861 2647680	340950	919280	1428560	2036866	5.00 160	20.0	50.0	80.0	120
Benzo(b)fluoranthene	PRY	Ave	74537 2354350	319237	837873	1199147	1787650	5.00 160	20.0	50.0	80.0	120
Benzo(k)fluoranthene	PRY	Ave	85989 2386733	365082	837659	1343374	1851256	5.00 160	20.0	50.0	80.0	120
Benzo(a)pyrene	PRY	Ave	63593 1987187	277319	708243	1050986	1545372	5.00 160	20.0	50.0	80.0	120
Indeno(1,2,3-c,d)pyrene	PRY	Ave	73980 2642526	332942	837983	1281667	1956032	5.00 160	20.0	50.0	80.0	120
Dibenz(a,h)anthracene	PRY	Ave	60210 2179575	273039	671639	1081774	1598678	5.00 160	20.0	50.0	80.0	120
Benzo(g,h,i)perylene	PRY	Ave	66994 2200682	278969	708169	1095159	1613781	5.00 160	20.0	50.0	80.0	120
2-Fluorophenol	DCB	Ave	21629 729256	89344	232082	360963	520576	5.00 160	20.0	50.0	80.0	120
Phenol-d5	DCB	Ave	25541 782240	109495	266108	404866	587467	5.00 160	20.0	50.0	80.0	120
Nitrobenzene-d5	NPT	Ave	22257 801759	101850	253938	401069	583910	5.00 160	20.0	50.0	80.0	120
2-Fluorobiphenyl	ANT	Ave	46220 1303545	181850	461642	707245	1013471	5.00 160	20.0	50.0	80.0	120
2,4,6-Tribromophenol	PHN	Ave	6058 193420	24470	64195	99934	148942	5.00 160	20.0	50.0	80.0	120
p-Terphenyl-d14	CRY	Ave	57559 1625201	233787	573912	871082	1253505	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.: 480-5072-1 Analy Batch No.: 17115

SDG No.:

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/23/2011 11:37 Calibration End Date: 05/23/2011 13:59 Calibration ID: 2246

Curve Type Legend:
Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20110523-3373.b\W0263.D
 Lims ID: IC 160 Client ID:
 Inject. Date: 23-May-2011 11:37:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: 480-0003373-002
 Misc. Info.: IC 160 =IC 160
 Operator: KLP Instrument ID: HP5973W
 Vol. Injected: 1.0000 ALS Bottle#: 1
 Lims Batch ID: 17115 Lims Sample ID: 2
 Sublist: chrom-W-8270*sub11
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973W\20110523-3373.b\W-8270.m
 Last Update: 27-May-2011 16:59:46 Calib Date: 23-May-2011 17:08:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973W\20110523-3373.b\W0277.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 24-May-2011 10:46:00

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.661	5.662	-0.001	83	124170	40.0	
* 2 Naphthalene-d8	136	7.397	7.393	0.004	91	504989	40.0	
* 3 Acenaphthene-d10	164	9.673	9.669	0.004	98	301002	40.0	
* 4 Phenanthrene-d10	188	11.388	11.384	0.004	94	527869	40.0	
* 5 Chrysene-d12	240	13.856	13.846	0.010	96	511902	40.0	
* 6 Perylene-d12	264	15.090	15.086	0.004	99	533756	40.0	
\$ 7 2-Fluorophenol	112	3.759	3.760	-0.001	89	729256	160.0	
\$ 8 Phenol-d5	99	5.202	5.192	0.010	81	782240	149.8	
\$ 9 Nitrobenzene-d5	82	6.436	6.426	0.010	89	801759	160.4	
\$ 10 2-Fluorobiphenyl	172	8.829	8.820	0.009	99	1303545	145.2	
\$ 11 2,4,6-Tribromophenol	330	10.635	10.625	0.010	93	193420	153.4	
\$ 12 p-Terphenyl-d14	244	12.932	12.922	0.010	99	1625201	152.2	
53 N-Nitrosodimethylamine	42	1.847	1.848	-0.001	85	539644	167.4	
52 Pyridine	52	1.906	1.912	-0.006	77	1001004	168.7	
69 Aniline	93	5.196	5.192	0.004	85	1037137	147.3	
72 Phenol	94	5.223	5.213	0.010	91	936749	152.3	
74 Bis(2-chloroethyl)ether	93	5.303	5.299	0.004	91	687777	155.5	
75 2-Chlorophenol	128	5.378	5.374	0.004	87	701766	149.0	
78 1,3-Dichlorobenzene	146	5.586	5.582	0.004	93	761034	149.6	
77 1,4-Dichlorobenzene	146	5.688	5.689	-0.001	81	781800	153.2	
79 Benzyl alcohol	108	5.880	5.871	0.009	72	466501	154.4	
73 1,2-Dichlorobenzene	146	5.902	5.903	-0.001	82	708802	148.9	
82 2-Methylphenol	108	6.067	6.063	0.004	93	618847	148.4	
83 2,2'-oxybis[1-chloropropane]	45	6.078	6.074	0.004	91	1128376	146.8	
87 N-Nitrosodi-n-propylamine	70	6.260	6.250	0.010	90	524149	157.3	
88 4-Methylphenol	108	6.292	6.282	0.010	92	665164	152.2	
89 Hexachloroethane	117	6.372	6.367	0.005	94	324655	155.0	
85 Nitrobenzene	77	6.463	6.453	0.010	89	801474	154.3	
94 Isophorone	82	6.799	6.789	0.010	96	1398879	155.9	
97 2-Nitrophenol	139	6.895	6.891	0.004	91	364380	158.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
99 2,4-Dimethylphenol	107	7.002	6.998	0.004	98	779973	152.2	
101 Tetraethyl lead	237	7.050	7.051	-0.001	92	285559	148.3	
103 Bis(2-chloroethoxy)methane	93	7.109	7.099	0.010	95	741951	148.3	
105 Benzoic acid	105	7.317	7.222	0.095	68	1783541	491.5	
106 2,4-Dichlorophenol	162	7.237	7.233	0.004	95	559387	150.7	
100 1,2,4-Trichlorobenzene	180	7.333	7.334	-0.001	89	621843	144.6	
107 Naphthalene	128	7.429	7.425	0.004	98	1862143	146.7	
108 4-Chloroaniline	127	7.515	7.511	0.004	81	800328	150.2	
110 Hexachlorobutadiene	225	7.627	7.623	0.004	93	385785	148.6	
117 4-Chloro-3-methylphenol	107	8.188	8.184	0.004	93	668733	153.6	
121 2-Methylnaphthalene	142	8.343	8.339	0.004	84	1220547	150.8	
125 Hexachlorocyclopentadiene	237	8.567	8.563	0.004	97	463768	159.4	
127 2,4,6-Trichlorophenol	196	8.722	8.718	0.004	89	405960	156.0	
129 2,4,5-Trichlorophenol	196	8.770	8.766	0.004	92	428962	154.7	
131 2-Chloronaphthalene	162	8.963	8.958	0.005	99	1195055	147.6	
132 2-Nitroaniline	65	9.107	9.097	0.010	76	491226	165.6	
134 Dimethyl phthalate	163	9.358	9.348	0.010	97	1443458	147.9	
135 2,6-Dinitrotoluene	165	9.422	9.407	0.015	86	326480	157.3	
137 Acenaphthylene	152	9.492	9.482	0.010	92	1785238	148.5	
140 3-Nitroaniline	138	9.636	9.636	0.0	88	366380	153.3	
141 Acenaphthene	153	9.716	9.712	0.004	92	1211561	147.1	
142 2,4-Dinitrophenol	184	9.759	9.749	0.010	78	201355	156.8	
143 4-Nitrophenol	109	9.892	9.877	0.015	91	319659	166.1	
144 2,4-Dinitrotoluene	165	9.930	9.920	0.010	76	452591	154.8	
145 Dibenzofuran	168	9.935	9.931	0.004	85	1662177	145.8	
149 Diethyl phthalate	149	10.250	10.241	0.009	96	1380407	147.7	
151 Fluorene	166	10.352	10.342	0.010	81	1373666	149.3	
152 4-Chlorophenyl phenyl ether	204	10.362	10.353	0.009	93	740151	147.4	
153 4-Nitroaniline	138	10.394	10.394	0.0	40	373603	157.4	
154 4,6-Dinitro-2-methylphenol	198	10.426	10.417	0.009	77	299215	167.4	
157 N-Nitrosodiphenylamine	169	10.507	10.497	0.010	96	952699	146.9	
159 1,2-Diphenylhydrazine	77	10.544	10.540	0.004	93	1474343	151.4	
164 4-Bromophenyl phenyl ether	248	10.918	10.908	0.010	93	402550	147.1	
168 Hexachlorobenzene	284	10.993	10.988	0.005	90	418790	145.2	
172 Pentachlorophenol	266	11.206	11.202	0.004	79	248681	153.6	
177 Phenanthrene	178	11.415	11.405	0.010	97	2070892	139.9	
180 Anthracene	178	11.468	11.459	0.009	97	2126717	143.5	
181 Carbazole	167	11.639	11.630	0.009	83	1875509	145.0	
184 Di-n-butyl phthalate	149	11.997	11.993	0.004	100	2276592	148.0	
191 Fluoranthene	202	12.579	12.575	0.004	96	2444637	145.4	
192 Benzidine	184	12.702	12.693	0.009	97	1244958	151.4	
193 Pyrene	202	12.793	12.783	0.010	98	2462798	149.8	
201 3,3'-Dimethylbenzidine	212		13.344					
200 Butyl benzyl phthalate	149	13.354	13.350	0.004	97	1141856	160.2	
204 3,3'-Dichlorobenzidine	252	13.819	13.809	0.010	95	846190	158.4	
205 Benzo[a]anthracene	228	13.846	13.841	0.005	98	2186979	149.7	
206 Bis(2-ethylhexyl) phthalate	149	13.846	13.841	0.005	95	1540581	158.5	
207 Chrysene	228	13.883	13.873	0.010	92	2183367	151.3	
208 Di-n-octyl phthalate	149	14.364	14.359	0.005	99	2647680	163.1	
209 Benzo[b]fluoranthene	252	14.754	14.744	0.010	92	2354350	154.1	
211 Benzo[k]fluoranthene	252	14.775	14.765	0.010	94	2386733	145.0	
213 Benzo[a]pyrene	252	15.048	15.033	0.015	98	1987187	151.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
215 Indeno[1,2,3-cd]pyrene	276	16.185	16.160	0.025	85	2642526	164.3	
216 Dibenz(a,h)anthracene	278	16.185	16.165	0.020	58	2179575	165.3	
217 Benzo[g,h,i]perylene	276	16.495	16.470	0.025	92	2200682	161.1	
S 220 Total Cresols	1				0		300.6	
S 218 3 & 4 Methylphenol	108				0		152.2	
S 219 3-Methylphenol	1				0		152.2	

Report Date: 27-May-2011 16:59:47

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973W20110523-3373.bW0263.D

Injection Date: 23-May-2011 11:37:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973W

Lims Batch ID: 17115

Lims Sample ID: 2

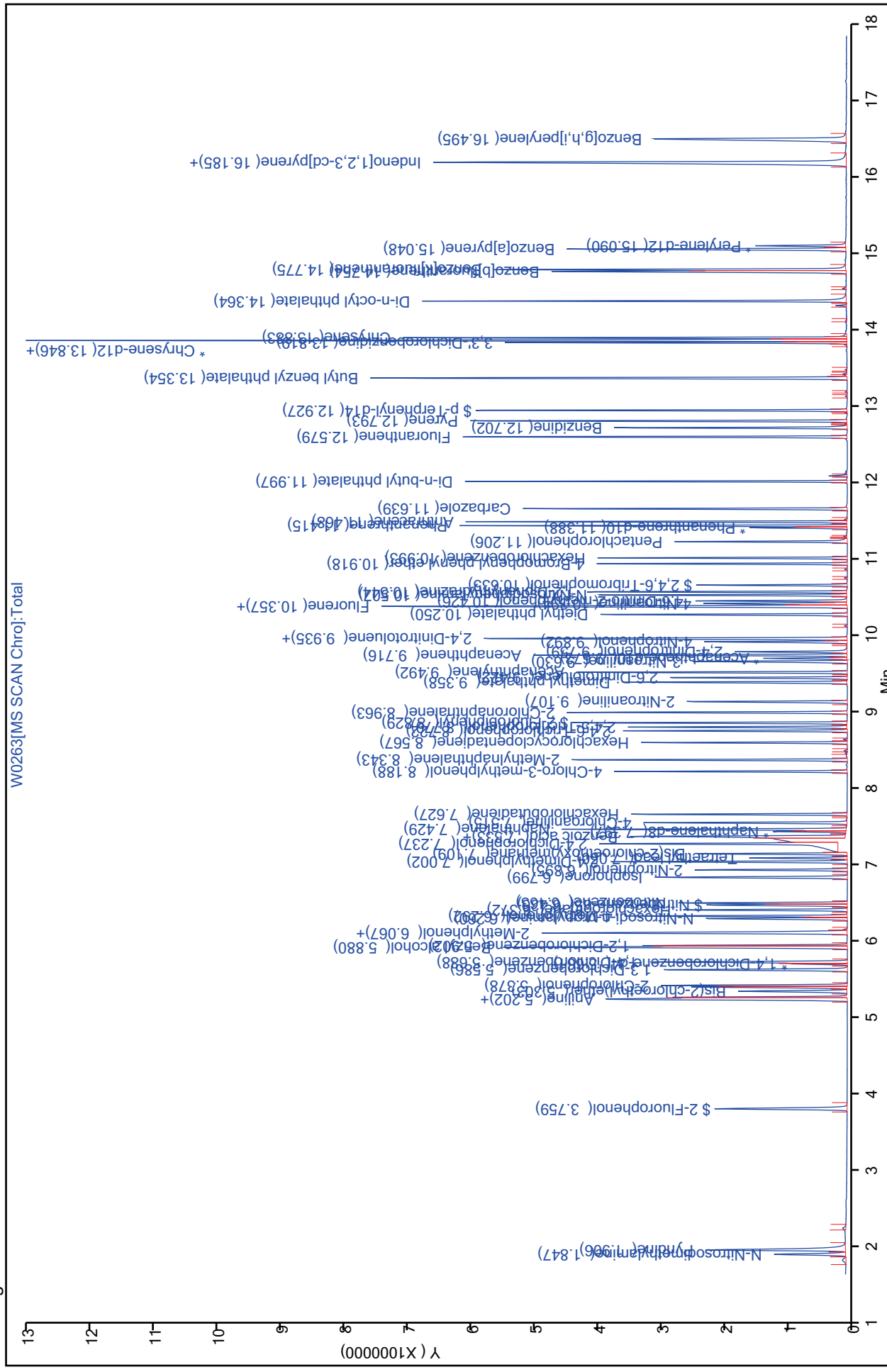
Operator ID: KLP

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\HP5973W\20110523-3373.b\W0265.D
 Lims ID: IC 120 Client ID:
 Inject. Date: 23-May-2011 12:24:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: 480-0003373-003
 Misc. Info.: IC 120 =IC 120
 Operator: KLP Instrument ID: HP5973W
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 17115 Lims Sample ID: 3
 Sublist: chrom-W-8270*sub11
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973W\20110523-3373.b\W-8270.m
 Last Update: 27-May-2011 17:00:04 Calib Date: 23-May-2011 17:08:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973W\20110523-3373.b\W0277.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: pfenderk

Date: 23-May-2011 14:09:03

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.662	5.662	0.0	78	121995	40.0	
* 2 Naphthalene-d8	136	7.398	7.393	0.005	97	490699	40.0	
* 3 Acenaphthene-d10	164	9.669	9.669	0.0	98	291954	40.0	
* 4 Phenanthrene-d10	188	11.384	11.384	0.0	94	508986	40.0	
* 5 Chrysene-d12	240	13.857	13.846	0.011	97	515464	40.0	
* 6 Perylene-d12	264	15.086	15.086	0.0	99	524526	40.0	
\$ 7 2-Fluorophenol	112	3.760	3.760	0.0	89	520576	116.3	
\$ 8 Phenol-d5	99	5.197	5.192	0.005	73	587467	114.5	
\$ 9 Nitrobenzene-d5	82	6.431	6.426	0.005	89	583910	120.2	
\$ 10 2-Fluorobiphenyl	172	8.825	8.820	0.005	99	1013471	116.4	
\$ 11 2,4,6-Tribromophenol	330	10.630	10.625	0.005	93	148942	122.5	
\$ 12 p-Terphenyl-d14	244	12.928	12.922	0.006	99	1253505	116.6	
53 N-Nitrosodimethylamine	42	1.848	1.848	0.0	80	370482	117.0	
52 Pyridine	52	1.907	1.912	-0.005	75	674350	115.7	
69 Aniline	93	5.197	5.192	0.005	85	784563	113.4	
72 Phenol	94	5.219	5.213	0.006	89	706658	116.9	
74 Bis(2-chloroethyl)ether	93	5.304	5.299	0.005	91	498503	114.7	
75 2-Chlorophenol	128	5.379	5.374	0.005	89	529445	114.4	
78 1,3-Dichlorobenzene	146	5.587	5.582	0.005	93	561503	112.3	
77 1,4-Dichlorobenzene	146	5.689	5.689	0.0	81	576361	114.9	
79 Benzyl alcohol	108	5.881	5.871	0.010	88	352001	118.5	
73 1,2-Dichlorobenzene	146	5.903	5.903	0.0	82	526849	112.7	
82 2-Methylphenol	108	6.068	6.063	0.005	92	470028	114.7	
83 2,2'-oxybis[1-chloropropane]	45	6.079	6.074	0.005	91	832721	110.3	
87 N-Nitrosodi-n-propylamine	70	6.255	6.250	0.005	90	385329	117.7	
88 4-Methylphenol	108	6.287	6.282	0.005	92	490538	114.2	
89 Hexachloroethane	117	6.367	6.367	0.0	90	238182	115.8	
85 Nitrobenzene	77	6.458	6.453	0.005	89	593563	117.6	
94 Isophorone	82	6.795	6.789	0.006	96	1041611	119.5	
97 2-Nitrophenol	139	6.896	6.891	0.005	93	272088	122.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
99 2,4-Dimethylphenol	107	7.003	6.998	0.005	98	589707	118.4	
101 Tetraethyl lead	237	7.051	7.051	0.0	93	215101	115.0	
103 Bis(2-chloroethoxy)methane	93	7.105	7.099	0.006	95	557409	114.7	
105 Benzoic acid	105	7.292	7.222	0.070	78	1351134	383.2	
106 2,4-Dichlorophenol	162	7.238	7.233	0.005	96	422905	117.3	
100 1,2,4-Trichlorobenzene	180	7.334	7.334	0.0	92	481509	115.3	
107 Naphthalene	128	7.425	7.425	0.0	98	1429449	115.9	
108 4-Chloroaniline	127	7.516	7.511	0.005	80	605822	117.0	
110 Hexachlorobutadiene	225	7.623	7.623	0.0	92	297383	117.9	
117 4-Chloro-3-methylphenol	107	8.184	8.184	0.0	91	503201	118.9	
121 2-Methylnaphthalene	142	8.339	8.339	0.0	81	942990	119.9	
125 Hexachlorocyclopentadiene	237	8.568	8.563	0.005	94	350243	124.1	
127 2,4,6-Trichlorophenol	196	8.718	8.718	0.0	89	307306	121.8	
129 2,4,5-Trichlorophenol	196	8.771	8.766	0.005	92	332428	123.6	
131 2-Chloronaphthalene	162	8.964	8.958	0.006	99	918495	117.0	
132 2-Nitroaniline	65	9.103	9.097	0.006	77	363472	126.4	
134 Dimethyl phthalate	163	9.354	9.348	0.006	97	1128111	119.2	
135 2,6-Dinitrotoluene	165	9.418	9.407	0.011	88	251398	124.9	
137 Acenaphthylene	152	9.487	9.482	0.005	91	1374605	117.9	
140 3-Nitroaniline	138	9.631	9.631	0.0	89	276311	119.5	
141 Acenaphthene	153	9.712	9.712	0.0	92	936897	117.3	
142 2,4-Dinitrophenol	184	9.754	9.749	0.005	80	152767	123.9	
143 4-Nitrophenol	109	9.888	9.877	0.011	92	236696	126.8	
144 2,4-Dinitrotoluene	165	9.925	9.920	0.005	66	348557	122.9	
145 Dibenzofuran	168	9.936	9.931	0.005	85	1283300	116.1	
149 Diethyl phthalate	149	10.246	10.241	0.005	96	1080540	119.2	
151 Fluorene	166	10.347	10.342	0.005	74	1054381	118.2	
152 4-Chlorophenyl phenyl ether	204	10.358	10.353	0.005	90	567256	116.5	
153 4-Nitroaniline	138	10.385	10.385	0.0	44	280796	121.7	
154 4,6-Dinitro-2-methylphenol	198	10.422	10.417	0.005	78	228533	132.6	
157 N-Nitrosodiphenylamine	169	10.502	10.497	0.005	95	731593	117.0	
159 1,2-Diphenylhydrazine	77	10.545	10.540	0.005	93	1133394	120.0	
164 4-Bromophenyl phenyl ether	248	10.914	10.908	0.006	92	313628	118.9	
168 Hexachlorobenzene	284	10.988	10.988	0.0	90	325917	117.2	
172 Pentachlorophenol	266	11.202	11.202	0.0	81	192127	123.9	
177 Phenanthrene	178	11.410	11.405	0.005	97	1652302	115.7	
180 Anthracene	178	11.464	11.459	0.005	97	1656111	115.9	
181 Carbazole	167	11.635	11.630	0.005	83	1450961	116.3	
184 Di-n-butyl phthalate	149	11.993	11.993	0.0	100	1798869	121.3	
191 Fluoranthene	202	12.580	12.575	0.005	96	1866013	115.1	
192 Benzidine	184	12.698	12.693	0.005	97	975851	117.8	
193 Pyrene	202	12.789	12.783	0.006	98	1921699	116.1	
201 3,3'-Dimethylbenzidine	212		13.344					
200 Butyl benzyl phthalate	149	13.355	13.350	0.005	96	862220	120.1	
204 3,3'-Dichlorobenzidine	252	13.814	13.809	0.005	97	657084	122.2	
205 Benzo[a]anthracene	228	13.846	13.841	0.005	98	1725955	117.3	
206 Bis(2-ethylhexyl) phthalate	149	13.841	13.841	0.0	95	1190868	121.7	
207 Chrysene	228	13.879	13.873	0.005	92	1637687	112.7	
208 Di-n-octyl phthalate	149	14.359	14.359	0.0	99	2036866	124.6	
209 Benzo[b]fluoranthene	252	14.749	14.744	0.005	92	1787650	119.0	
211 Benzo[k]fluoranthene	252	14.776	14.765	0.011	97	1851256	114.4	
213 Benzo[a]pyrene	252	15.043	15.033	0.010	98	1545372	119.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
215 Indeno[1,2,3-cd]pyrene	276	16.176	16.160	0.016	91	1956032	123.8	
216 Dibenz(a,h)anthracene	278	16.181	16.165	0.016	57	1598678	123.4	
217 Benzo[g,h,i]perylene	276	16.486	16.470	0.016	90	1613781	120.2	
S 220 Total Cresols	1				0		228.9	
S 218 3 & 4 Methylphenol	108				0		114.2	
S 219 3-Methylphenol	1				0		114.2	

Data File:

\\Bufchrom\ChromData\HP5973W\20110523-3373.b\W0265.D

Injection Date: 23-May-2011 12:24:30

Limit Group:

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID:

Instrument ID: HP5973W

Lims Batch ID: 17115

Lims Sample ID:

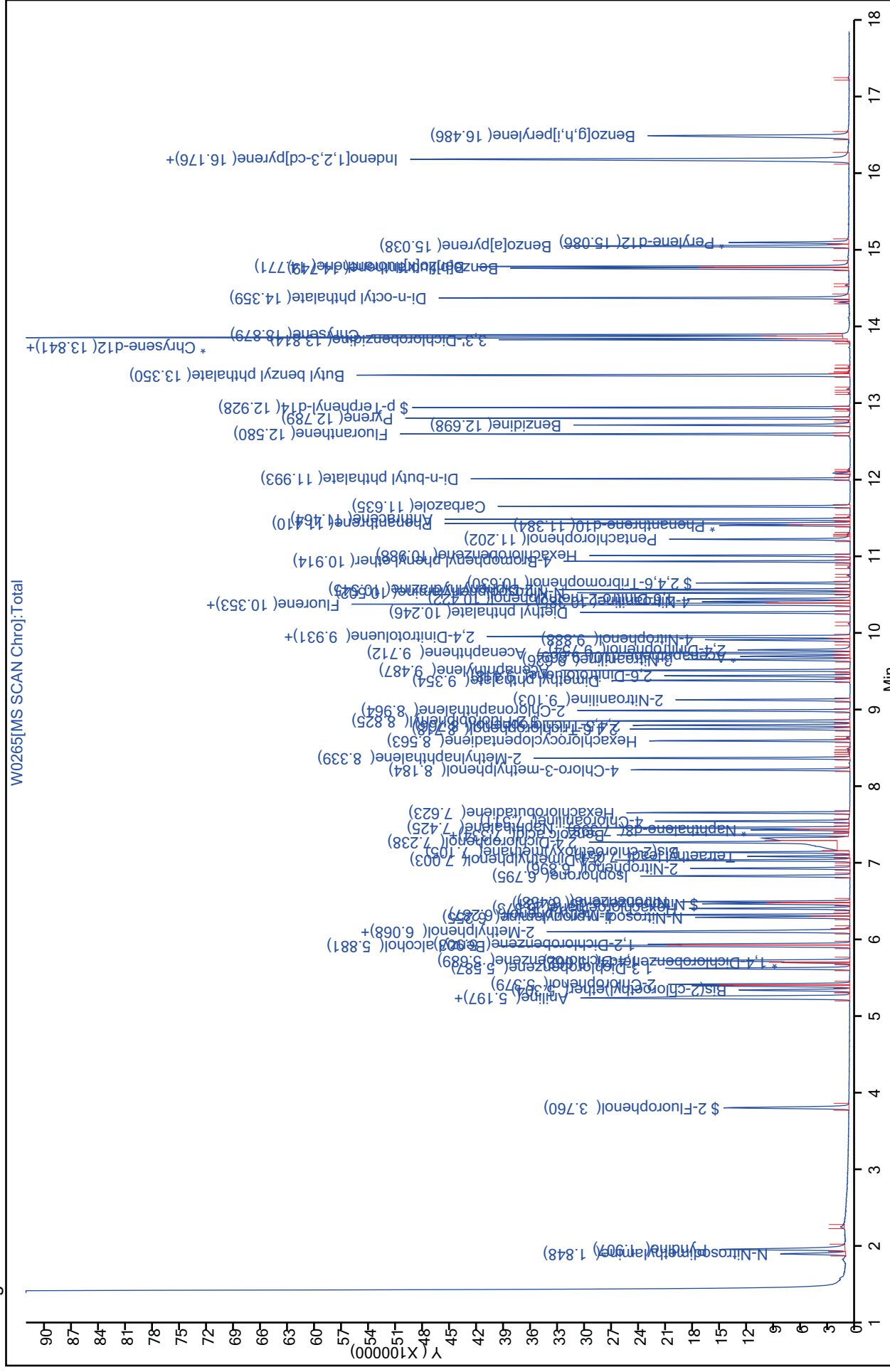
Operator ID: KLP

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\HP5973W\20110523-3373.b\W0266.D
 Lims ID: IC 80 Client ID:
 Inject. Date: 23-May-2011 12:48:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 4
 Sample ID: 480-0003373-004
 Misc. Info.: IC 80 =IC 80
 Operator: KLP Instrument ID: HP5973W
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 17115 Lims Sample ID: 4
 Sublist: chrom-W-8270*sub11
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973W\20110523-3373.b\W-8270.m
 Last Update: 27-May-2011 17:00:21 Calib Date: 23-May-2011 17:08:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973W\20110523-3373.b\W0277.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: pfenderk

Date: 23-May-2011 14:10:49

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.662	5.662	0.0	67	119372	40.0	
* 2 Naphthalene-d8	136	7.399	7.393	0.006	98	506790	40.0	
* 3 Acenaphthene-d10	164	9.669	9.669	0.0	98	303923	40.0	
* 4 Phenanthrene-d10	188	11.384	11.384	0.0	98	532277	40.0	
* 5 Chrysene-d12	240	13.852	13.846	0.006	86	536047	40.0	
* 6 Perylene-d12	264	15.086	15.086	0.0	99	553499	40.0	
\$ 7 2-Fluorophenol	112	3.760	3.760	0.0	90	360963	82.4	
\$ 8 Phenol-d5	99	5.198	5.192	0.006	73	404866	80.6	
\$ 9 Nitrobenzene-d5	82	6.432	6.426	0.006	89	401069	79.9	
\$ 10 2-Fluorobiphenyl	172	8.825	8.820	0.005	99	707245	78.0	
\$ 11 2,4,6-Tribromophenol	330	10.631	10.625	0.006	92	99934	78.6	
\$ 12 p-Terphenyl-d14	244	12.928	12.922	0.006	99	871082	77.9	
53 N-Nitrosodimethylamine	42	1.848	1.848	0.0	82	247222	79.8	
52 Pyridine	52	1.907	1.912	-0.005	76	455550	79.9	
69 Aniline	93	5.198	5.192	0.006	84	549490	81.2	
72 Phenol	94	5.214	5.213	0.001	87	487053	82.4	
74 Bis(2-chloroethyl)ether	93	5.299	5.299	0.0	91	348236	81.9	
75 2-Chlorophenol	128	5.374	5.374	0.0	85	362694	80.1	
78 1,3-Dichlorobenzene	146	5.588	5.582	0.006	94	390810	79.9	
77 1,4-Dichlorobenzene	146	5.689	5.689	0.0	78	400132	81.5	
79 Benzyl alcohol	108	5.876	5.871	0.005	87	243703	83.9	
73 1,2-Dichlorobenzene	146	5.903	5.903	0.0	70	371633	81.2	
82 2-Methylphenol	108	6.063	6.063	0.0	92	324858	81.0	
83 2,2'-oxybis[1-chloropropane]	45	6.074	6.074	0.0	91	598811	81.0	
87 N-Nitrosodi-n-propylamine	70	6.250	6.250	0.0	90	269536	84.2	
88 4-Methylphenol	108	6.282	6.282	0.0	91	344717	82.0	
89 Hexachloroethane	117	6.367	6.367	0.0	88	162189	80.6	
85 Nitrobenzene	77	6.458	6.453	0.005	88	411165	78.9	
94 Isophorone	82	6.790	6.789	0.001	96	716238	79.6	
97 2-Nitrophenol	139	6.896	6.891	0.005	93	185187	80.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
99 2,4-Dimethylphenol	107	6.998	6.998	0.0	98	411464	80.0	
101 Tetraethyl lead	237	7.051	7.051	0.0	93	149274	77.3	
103 Bis(2-chloroethoxy)methane	93	7.105	7.099	0.006	95	387899	77.3	
105 Benzoic acid	105	7.254	7.222	0.032	86	894044	245.5	
106 2,4-Dichlorophenol	162	7.233	7.233	0.0	96	288225	77.4	
100 1,2,4-Trichlorobenzene	180	7.334	7.334	0.0	91	329403	76.4	
107 Naphthalene	128	7.425	7.425	0.0	98	995960	78.2	
108 4-Chloroaniline	127	7.511	7.511	0.0	82	425738	79.6	
110 Hexachlorobutadiene	225	7.623	7.623	0.0	93	205699	79.0	
117 4-Chloro-3-methylphenol	107	8.184	8.184	0.0	93	347175	79.5	
121 2-Methylnaphthalene	142	8.339	8.339	0.0	86	643782	79.3	
125 Hexachlorocyclopentadiene	237	8.563	8.563	0.0	94	237340	80.8	
127 2,4,6-Trichlorophenol	196	8.718	8.718	0.0	90	210129	80.0	
129 2,4,5-Trichlorophenol	196	8.766	8.766	0.0	93	228734	81.7	
131 2-Chloronaphthalene	162	8.958	8.958	0.0	99	638617	78.1	
132 2-Nitroaniline	65	9.097	9.097	0.0	78	246713	82.4	
134 Dimethyl phthalate	163	9.354	9.348	0.006	97	774639	78.6	
135 2,6-Dinitrotoluene	165	9.413	9.407	0.006	84	172870	82.5	
137 Acenaphthylene	152	9.487	9.482	0.005	92	944656	77.8	
140 3-Nitroaniline	138	9.626	9.626	0.0	88	189538	79.0	
141 Acenaphthene	153	9.712	9.712	0.0	92	645865	77.7	
142 2,4-Dinitrophenol	184	9.754	9.749	0.005	79	99376	79.5	
143 4-Nitrophenol	109	9.883	9.877	0.006	92	161371	83.1	
144 2,4-Dinitrotoluene	165	9.920	9.920	0.0	67	238764	80.9	
145 Dibenzofuran	168	9.931	9.931	0.0	81	881150	76.6	
149 Diethyl phthalate	149	10.241	10.241	0.0	96	748303	79.3	
151 Fluorene	166	10.347	10.342	0.005	88	725560	78.1	
152 4-Chlorophenyl phenyl ether	204	10.358	10.353	0.005	88	384911	75.9	
153 4-Nitroaniline	138	10.379	10.379	0.0	47	193213	80.2	
154 4,6-Dinitro-2-methylphenol	198	10.417	10.417	0.0	79	154108	85.5	
157 N-Nitrosodiphenylamine	169	10.497	10.497	0.0	98	505183	77.2	
159 1,2-Diphenylhydrazine	77	10.540	10.540	0.0	93	780311	79.3	
164 4-Bromophenyl phenyl ether	248	10.914	10.908	0.006	94	215752	78.2	
168 Hexachlorobenzene	284	10.989	10.988	0.0	85	218741	75.2	
172 Pentachlorophenol	266	11.202	11.202	0.0	83	130003	81.7	
177 Phenanthrene	178	11.411	11.405	0.006	96	1152296	77.2	
180 Anthracene	178	11.464	11.459	0.005	97	1163419	77.9	
181 Carbazole	167	11.635	11.630	0.005	83	1006639	77.2	
184 Di-n-butyl phthalate	149	11.993	11.993	0.0	100	1264057	81.5	
191 Fluoranthene	202	12.575	12.575	0.0	96	1323171	78.1	
192 Benzidine	184	12.698	12.693	0.005	98	696857	80.9	
193 Pyrene	202	12.783	12.783	0.0	98	1343101	78.0	
201 3,3'-Dimethylbenzidine	212		13.344					
200 Butyl benzyl phthalate	149	13.355	13.350	0.005	96	607241	81.4	
204 3,3'-Dichlorobenzidine	252	13.815	13.809	0.006	96	464053	83.0	
205 Benzo[a]anthracene	228	13.841	13.841	0.0	98	1196049	78.2	
206 Bis(2-ethylhexyl) phthalate	149	13.841	13.841	0.0	89	826495	81.2	
207 Chrysene	228	13.873	13.873	0.0	92	1184620	78.4	
208 Di-n-octyl phthalate	149	14.359	14.359	0.0	99	1428560	84.0	
209 Benzo[b]fluoranthene	252	14.744	14.744	0.0	91	1199147	75.7	
211 Benzo[k]fluoranthene	252	14.771	14.765	0.006	94	1343374	78.7	
213 Benzo[a]pyrene	252	15.038	15.033	0.005	95	1050986	77.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
215 Indeno[1,2,3-cd]pyrene	276	16.165	16.160	0.005	94	1281667	76.9	
216 Dibenz(a,h)anthracene	278	16.170	16.165	0.005	56	1081774	79.1	
217 Benzo[g,h,i]perylene	276	16.475	16.470	0.005	89	1095159	77.3	
S 220 Total Cresols	1				0		163.1	
S 218 3 & 4 Methylphenol	108				0		82.0	
S 219 3-Methylphenol	1				0		82.0	

Report Date: 27-May-2011 17:00:21

Data File:

\\Bufchrom\ChromData\HP5973W20110523-3373.bW0266.D

Chrom Revision: 1.2 17-May-2011 14:46:34

Injection Date:

23-May-2011 12:48:30

Limit Group:

MB - 8270C ICAL

Client ID:

17115

Lims Batch ID:

KLP

Instrument ID:

HP5973W

Operator ID:

17115

Lims Sample ID:

4

Injection Vol:

1.00 ul

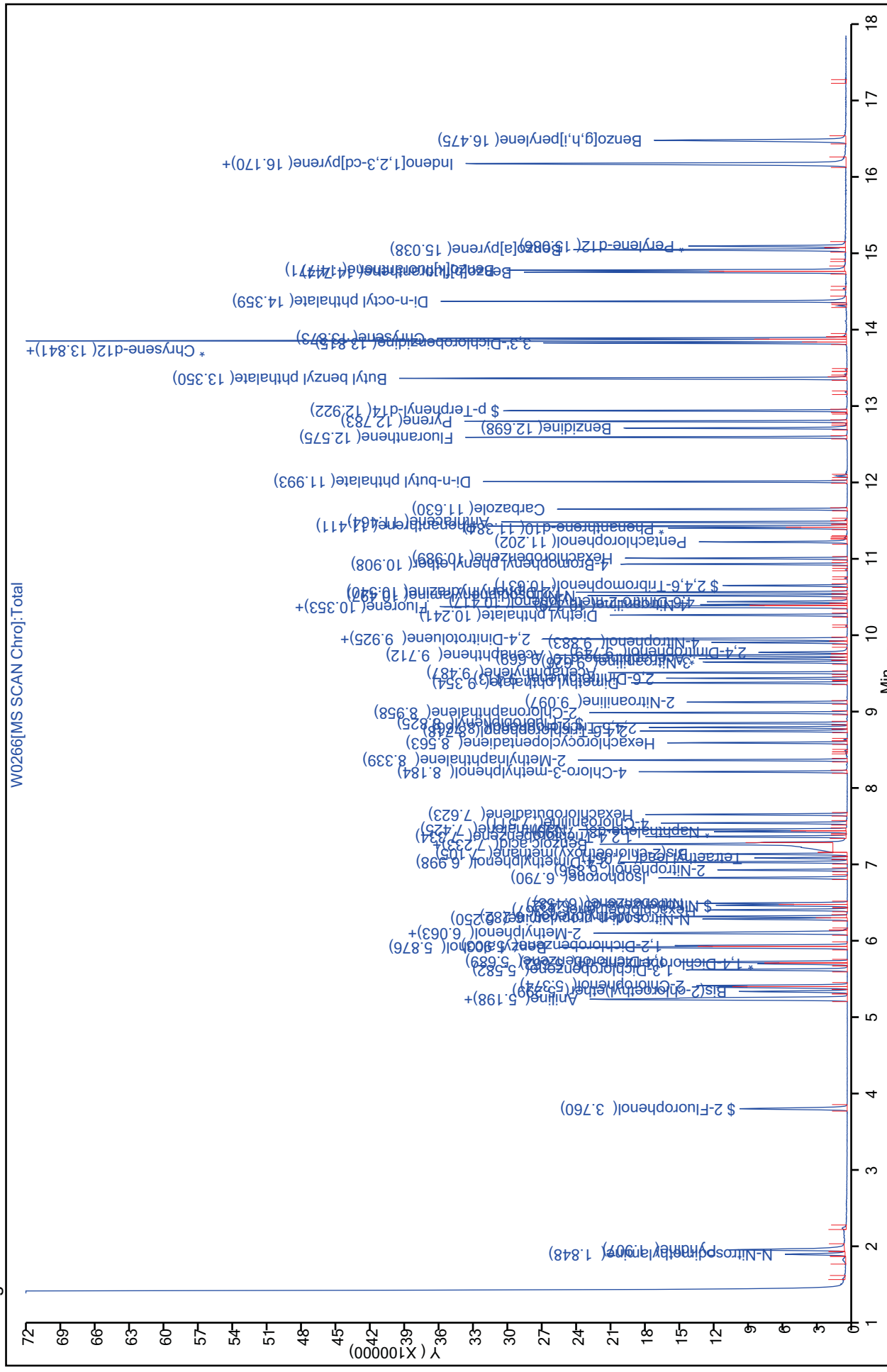
Column Type:

RXI-5Sil MS

Column Dia:

0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20110523-3373.b\W0267.D
 Lims ID: ICIS 50 Client ID:
 Inject. Date: 23-May-2011 13:11:30 Dil. Factor: 1.0000
 Sample Type: ICIS Calib Level: 3
 Sample ID: 480-0003373-005
 Misc. Info.: ICIS 50 =ICIS 50
 Operator: KLP Instrument ID: HP5973W
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 17115 Lims Sample ID: 5
 Sublist: chrom-W-8270*sub11
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973W\20110523-3373.b\W-8270.m
 Last Update: 27-May-2011 16:59:30 Calib Date: 23-May-2011 17:08:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973W\20110523-3373.b\W0277.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: pfenderk

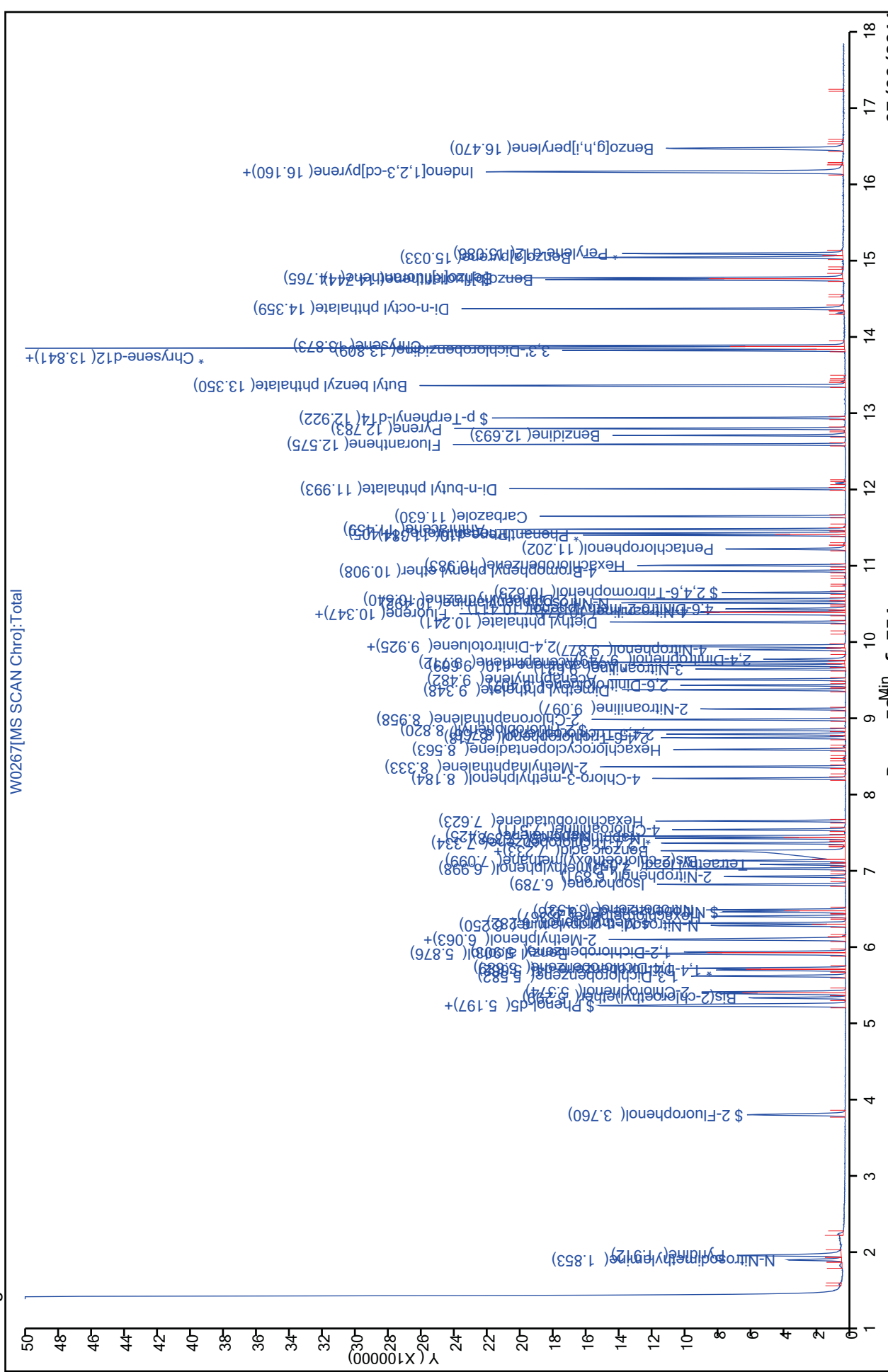
Date: 23-May-2011 14:05:33

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.662	5.662	0.0	67	127737	40.0	
* 2 Naphthalene-d8	136	7.398	7.398	0.0	91	514045	40.0	
* 3 Acenaphthene-d10	164	9.669	9.669	0.0	96	306577	40.0	
* 4 Phenanthrene-d10	188	11.384	11.384	0.0	93	527444	40.0	
* 5 Chrysene-d12	240	13.852	13.852	0.0	83	546744	40.0	
* 6 Perylene-d12	264	15.086	15.086	0.0	92	550337	40.0	
\$ 7 2-Fluorophenol	112	3.760	3.760	0.0	91	232082	49.5	
\$ 8 Phenol-d5	99	5.192	5.192	0.0	75	266108	49.5	
\$ 9 Nitrobenzene-d5	82	6.426	6.426	0.0	90	253938	49.9	
\$ 10 2-Fluorobiphenyl	172	8.820	8.820	0.0	86	461642	50.5	
\$ 11 2,4,6-Tribromophenol	330	10.625	10.625	0.0	92	64195	51.0	
\$ 12 p-Terphenyl-d14	244	12.922	12.922	0.0	98	573912	50.3	
53 N-Nitrosodimethylamine	42	1.848	1.848	0.0	78	162051	48.9	
52 Pyridine	52	1.912	1.912	0.0	73	302697	49.6	
69 Aniline	93	5.192	5.192	0.0	91	359980	49.7	
72 Phenol	94	5.213	5.213	0.0	93	316058	50.0	
74 Bis(2-chloroethyl)ether	93	5.299	5.299	0.0	86	222340	48.9	
75 2-Chlorophenol	128	5.374	5.374	0.0	86	239322	49.4	
78 1,3-Dichlorobenzene	146	5.582	5.582	0.0	91	260971	49.9	
77 1,4-Dichlorobenzene	146	5.689	5.689	0.0	74	257680	49.1	
79 Benzyl alcohol	108	5.871	5.871	0.0	79	160036	51.5	
73 1,2-Dichlorobenzene	146	5.903	5.903	0.0	81	241622	49.3	
82 2-Methylphenol	108	6.063	6.063	0.0	92	209485	48.8	
83 2,2'-oxybis[1-chloropropane]	45	6.074	6.074	0.0	89	396056	50.1	
87 N-Nitrosodi-n-propylamine	70	6.250	6.250	0.0	89	168746	49.2	
88 4-Methylphenol	108	6.282	6.282	0.0	91	225527	50.2	
89 Hexachloroethane	117	6.367	6.367	0.0	91	106085	49.2	
85 Nitrobenzene	77	6.453	6.453	0.0	89	262592	49.7	
94 Isophorone	82	6.789	6.789	0.0	92	465622	51.0	
97 2-Nitrophenol	139	6.891	6.891	0.0	95	122132	52.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
99 2,4-Dimethylphenol	107	6.998	6.998	0.0	97	258043	49.5	
101 Tetraethyl lead	237	7.051	7.051	0.0	91	97172	49.6	
103 Bis(2-chloroethoxy)methane	93	7.099	7.099	0.0	93	257609	50.6	
105 Benzoic acid	105	7.222	7.222	0.0	67	539829	146.1	
106 2,4-Dichlorophenol	162	7.233	7.233	0.0	90	189436	50.1	
100 1,2,4-Trichlorobenzene	180	7.334	7.334	0.0	89	218791	50.0	
107 Naphthalene	128	7.425	7.425	0.0	91	644775	49.9	
108 4-Chloroaniline	127	7.511	7.511	0.0	83	275650	50.8	
110 Hexachlorobutadiene	225	7.623	7.623	0.0	90	131305	49.7	
117 4-Chloro-3-methylphenol	107	8.184	8.184	0.0	91	226243	51.1	
121 2-Methylnaphthalene	142	8.339	8.339	0.0	78	419416	50.9	
125 Hexachlorocyclopentadiene	237	8.563	8.563	0.0	95	150624	50.8	
127 2,4,6-Trichlorophenol	196	8.718	8.718	0.0	88	133747	50.5	
129 2,4,5-Trichlorophenol	196	8.766	8.766	0.0	90	143430	50.8	
131 2-Chloronaphthalene	162	8.958	8.958	0.0	94	414188	50.2	
132 2-Nitroaniline	65	9.097	9.097	0.0	59	157339	52.1	
134 Dimethyl phthalate	163	9.348	9.348	0.0	91	496591	50.0	
135 2,6-Dinitrotoluene	165	9.407	9.407	0.0	87	108915	51.5	
137 Acenaphthylene	152	9.482	9.482	0.0	83	619746	50.6	
153 4-Nitroaniline	138	10.374	10.374	0.0	48	128100	53.2	
141 Acenaphthene	153	9.712	9.712	0.0	87	413181	49.2	
142 2,4-Dinitrophenol	184	9.749	9.749	0.0	75	60338	50.0	
143 4-Nitrophenol	109	9.877	9.877	0.0	90	100438	51.2	
144 2,4-Dinitrotoluene	165	9.920	9.920	0.0	64	155170	52.1	
145 Dibenzofuran	168	9.931	9.931	0.0	69	584427	50.3	
149 Diethyl phthalate	149	10.241	10.241	0.0	89	482772	50.7	
151 Fluorene	166	10.342	10.342	0.0	72	471198	50.3	
152 4-Chlorophenyl phenyl ether	204	10.353	10.353	0.0	85	253459	49.6	
140 3-Nitroaniline	138	9.621	9.621	0.0	89	124709	51.1	
154 4,6-Dinitro-2-methylphenol	198	10.417	10.417	0.0	78	92366	51.7	
157 N-Nitrosodiphenylamine	169	10.497	10.497	0.0	97	328799	50.7	
159 1,2-Diphenylhydrazine	77	10.540	10.540	0.0	93	504840	50.9	
164 4-Bromophenyl phenyl ether	248	10.908	10.908	0.0	93	139802	51.1	
168 Hexachlorobenzene	284	10.988	10.988	0.0	87	144945	50.3	
172 Pentachlorophenol	266	11.202	11.202	0.0	82	79605	52.1	
177 Phenanthrene	178	11.405	11.405	0.0	84	749446	50.7	
180 Anthracene	178	11.459	11.459	0.0	85	768414	51.9	
181 Carbazole	167	11.630	11.630	0.0	69	655003	50.7	
184 Di-n-butyl phthalate	149	11.993	11.993	0.0	91	806324	52.4	
191 Fluoranthene	202	12.575	12.575	0.0	84	866949	51.6	
192 Benzidine	184	12.693	12.693	0.0	85	454979	51.8	
193 Pyrene	202	12.783	12.783	0.0	95	883286	50.3	
201 3,3'-Dimethylbenzidine	212		13.344					
200 Butyl benzyl phthalate	149	13.350	13.350	0.0	95	394495	51.8	
204 3,3'-Dichlorobenzidine	252	13.809	13.809	0.0	97	291848	51.2	
205 Benzo[a]anthracene	228	13.841	13.841	0.0	91	770781	49.4	
206 Bis(2-ethylhexyl) phthalate	149	13.841	13.841	0.0	87	523666	50.4	
207 Chrysene	228	13.873	13.873	0.0	79	775072	50.3	
208 Di-n-octyl phthalate	149	14.359	14.359	0.0	84	919280	53.0	
209 Benzo[b]fluoranthene	252	14.744	14.744	0.0	80	837873	53.2	
211 Benzo[k]fluoranthene	252	14.765	14.765	0.0	86	837659	49.3	
213 Benzo[a]pyrene	252	15.033	15.033	0.0	97	708243	52.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
215 Indeno[1,2,3-cd]pyrene	276	16.160	16.160	0.0	91	837983	50.5	
216 Dibenz(a,h)anthracene	278	16.165	16.165	0.0	51	671639	49.4	
217 Benzo[g,h,i]perylene	276	16.470	16.470	0.0	79	708169	50.3	
S 220 Total Cresols	1				0		99.0	
S 218 3 & 4 Methylphenol	108				0		50.2	
S 219 3-Methylphenol	1				0		50.2	

Chrom Revision: 1.2 17-May-2011 14:46:34
Injection Date: 23-May-2011 13:11:30
Client ID:
Lims Batch ID: 17115
Operator ID: KLP
Column Type: RXI-5Sil MS
Limit Group: MB - 8270C ICAL
Instrument ID: HP5973W
Lims Sample ID: 5
Injection Vol: 1.00 ul
Column Dia: 0.25 mm



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20110523-3373.b\W0268.D
 Lims ID: IC 20 Client ID:
 Inject. Date: 23-May-2011 13:35:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: 480-0003373-006
 Misc. Info.: IC 20 =IC 20
 Operator: KLP Instrument ID: HP5973W
 Vol. Injected: 1.0000 ALS Bottle#: 5
 Lims Batch ID: 17115 Lims Sample ID: 6
 Sublist: chrom-W-8270*sub11
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973W\20110523-3373.b\W-8270.m
 Last Update: 27-May-2011 17:00:39 Calib Date: 23-May-2011 17:08:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973W\20110523-3373.b\W0277.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: pfenderk

Date: 23-May-2011 14:13:05

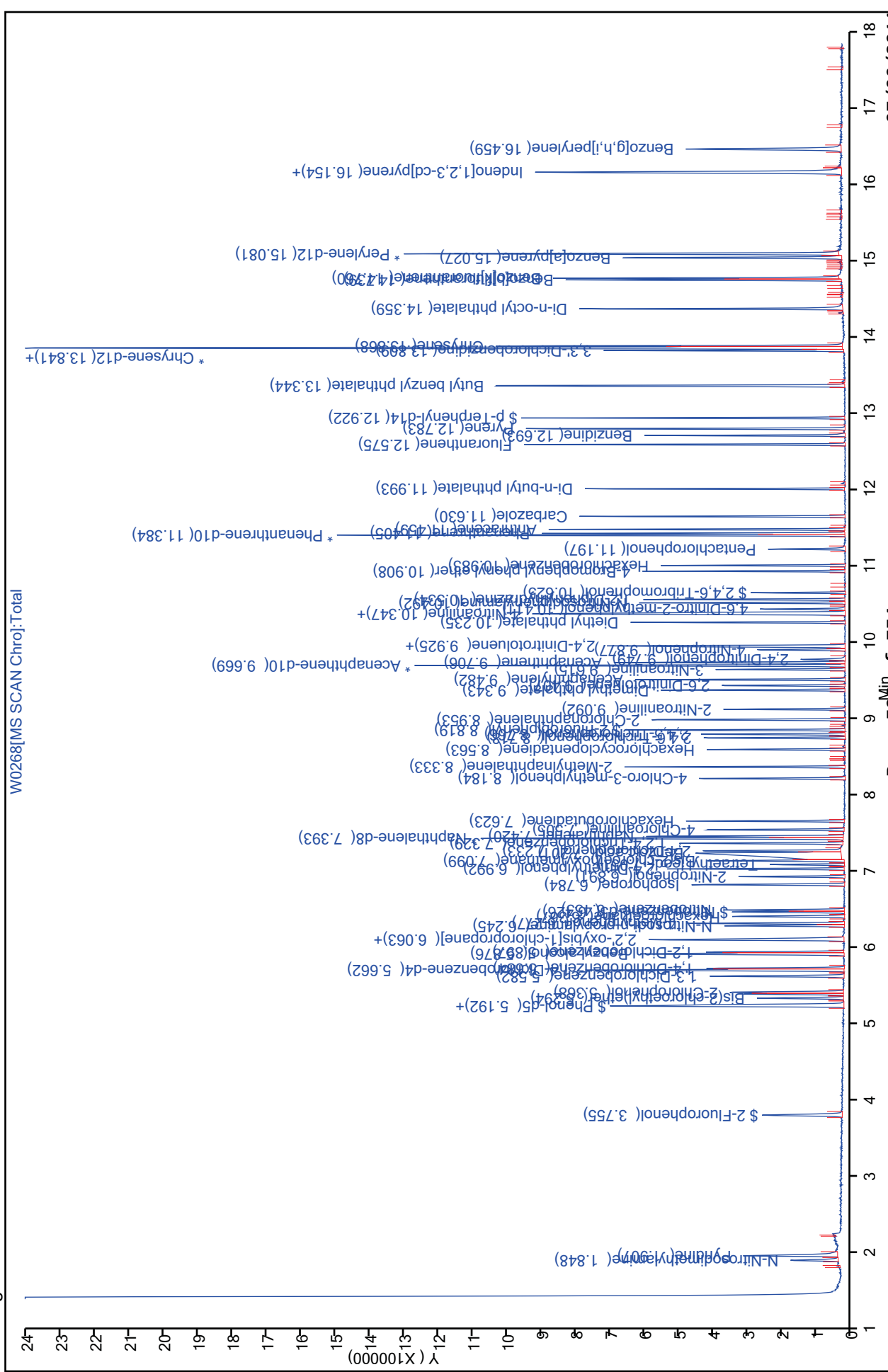
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.662	5.662	0.0	76	119769	40.0	
* 2 Naphthalene-d8	136	7.393	7.393	0.0	98	488433	40.0	
* 3 Acenaphthene-d10	164	9.669	9.669	0.0	99	288665	40.0	
* 4 Phenanthrene-d10	188	11.384	11.384	0.0	96	509106	40.0	
* 5 Chrysene-d12	240	13.847	13.846	0.001	97	535539	40.0	
* 6 Perylene-d12	264	15.081	15.086	-0.005	95	538837	40.0	
\$ 7 2-Fluorophenol	112	3.755	3.760	-0.005	90	89344	20.3	
\$ 8 Phenol-d5	99	5.187	5.192	-0.005	79	109495	21.7	
\$ 9 Nitrobenzene-d5	82	6.426	6.426	0.0	91	101850	21.1	
\$ 10 2-Fluorobiphenyl	172	8.819	8.820	-0.001	99	181850	21.1	
\$ 11 2,4,6-Tribromophenol	330	10.625	10.625	0.0	86	24470	20.1	
\$ 12 p-Terphenyl-d14	244	12.922	12.922	0.0	98	233787	20.9	
53 N-Nitrosodimethylamine	42	1.848	1.848	0.0	80	61643	19.8	
52 Pyridine	52	1.907	1.912	-0.005	75	113078	19.8	
69 Aniline	93	5.192	5.192	0.0	89	145339	21.4	
72 Phenol	94	5.208	5.213	-0.005	91	120682	20.3	
74 Bis(2-chloroethyl)ether	93	5.294	5.299	-0.005	90	89222	20.9	
75 2-Chlorophenol	128	5.374	5.374	0.0	86	94981	20.9	
78 1,3-Dichlorobenzene	146	5.582	5.582	0.0	93	105174	21.4	
77 1,4-Dichlorobenzene	146	5.689	5.689	0.0	70	101296	20.6	
79 Benzyl alcohol	108	5.871	5.871	0.0	86	60966	20.9	
73 1,2-Dichlorobenzene	146	5.897	5.903	-0.006	81	97406	21.2	
82 2-Methylphenol	108	6.058	6.063	-0.005	91	87737	21.8	
83 2,2'-oxybis[1-chloropropane]	45	6.074	6.074	0.0	90	157659	21.3	
87 N-Nitrosodi-n-propylamine	70	6.245	6.250	-0.005	89	67881	21.1	
88 4-Methylphenol	108	6.277	6.282	-0.005	91	87892	20.8	
89 Hexachloroethane	117	6.367	6.367	0.0	88	41337	20.5	
85 Nitrobenzene	77	6.453	6.453	0.0	90	103808	20.7	
94 Isophorone	82	6.784	6.789	-0.005	95	177604	20.5	
97 2-Nitrophenol	139	6.891	6.891	0.0	94	45865	20.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
99 2,4-Dimethylphenol	107	6.992	6.998	-0.006	97	102311	20.6	
101 Tetraethyl lead	237	7.051	7.051	0.0	90	42243	22.7	
103 Bis(2-chloroethoxy)methane	93	7.099	7.099	0.0	92	101874	21.1	
105 Benzoic acid	105	7.201	7.222	-0.021	78	404925	115.4	
106 2,4-Dichlorophenol	162	7.233	7.233	0.0	93	73084	20.4	
100 1,2,4-Trichlorobenzene	180	7.329	7.334	-0.005	92	86323	20.8	
107 Naphthalene	128	7.420	7.425	-0.005	91	260016	21.2	
108 4-Chloroaniline	127	7.511	7.511	0.0	81	107950	20.9	
110 Hexachlorobutadiene	225	7.623	7.623	0.0	92	53750	21.4	
117 4-Chloro-3-methylphenol	107	8.184	8.184	0.0	94	87445	20.8	
121 2-Methylnaphthalene	142	8.333	8.339	-0.006	86	166029	21.2	
125 Hexachlorocyclopentadiene	237	8.563	8.563	0.0	96	56343	20.2	
127 2,4,6-Trichlorophenol	196	8.718	8.718	0.0	90	53885	21.6	
129 2,4,5-Trichlorophenol	196	8.766	8.766	0.0	91	54773	20.6	
131 2-Chloronaphthalene	162	8.958	8.958	0.0	97	167001	21.5	
132 2-Nitroaniline	65	9.092	9.097	-0.005	66	59541	20.9	
134 Dimethyl phthalate	163	9.343	9.348	-0.005	98	199796	21.4	
135 2,6-Dinitrotoluene	165	9.407	9.407	0.0	79	40091	20.1	
137 Acenaphthylene	152	9.482	9.482	0.0	90	246960	21.4	
140 3-Nitroaniline	138	9.615	9.615	0.0	84	46517	20.6	
141 Acenaphthene	153	9.706	9.712	-0.006	92	167363	21.2	
142 2,4-Dinitrophenol	184	9.749	9.749	0.0	65	18252	19.8	
143 4-Nitrophenol	109	9.877	9.877	0.0	92	34847	18.9	
144 2,4-Dinitrotoluene	165	9.915	9.920	-0.005	81	59940	21.4	
145 Dibenzofuran	168	9.925	9.931	-0.006	79	236273	21.6	
149 Diethyl phthalate	149	10.235	10.241	-0.006	96	190004	21.2	
151 Fluorene	166	10.342	10.342	0.0	76	185007	21.0	
152 4-Chlorophenyl phenyl ether	204	10.353	10.353	0.0	72	103026	21.4	
153 4-Nitroaniline	138	10.369	10.369	0.0	50	48313	21.0	
154 4,6-Dinitro-2-methylphenol	198	10.411	10.417	-0.006	75	33161	19.2	
157 N-Nitrosodiphenylamine	169	10.492	10.497	-0.005	97	132918	21.2	
159 1,2-Diphenylhydrazine	77	10.534	10.540	-0.006	92	195446	20.9	
164 4-Bromophenyl phenyl ether	248	10.908	10.908	0.0	94	56509	21.4	
168 Hexachlorobenzene	284	10.983	10.988	-0.005	86	59115	21.2	
172 Pentachlorophenol	266	11.197	11.202	-0.005	69	23134	18.6	
177 Phenanthrene	178	11.405	11.405	0.0	95	301814	21.1	
180 Anthracene	178	11.459	11.459	0.0	96	312110	21.8	
181 Carbazole	167	11.630	11.630	0.0	83	268101	21.5	
184 Di-n-butyl phthalate	149	11.993	11.993	0.0	100	317561	21.4	
191 Fluoranthene	202	12.575	12.575	0.0	96	350678	21.6	
192 Benzidine	184	12.693	12.693	0.0	96	185421	21.5	
193 Pyrene	202	12.783	12.783	0.0	98	360394	21.0	
201 3,3'-Dimethylbenzidine	212		13.344					
200 Butyl benzyl phthalate	149	13.350	13.350	0.0	97	153572	20.6	
204 3,3'-Dichlorobenzidine	252	13.809	13.809	0.0	98	115519	20.7	
205 Benzo[a]anthracene	228	13.836	13.841	-0.005	98	324889	21.3	
206 Bis(2-ethylhexyl) phthalate	149	13.841	13.841	0.0	93	206973	20.4	
207 Chrysene	228	13.868	13.873	-0.005	92	323955	21.5	
208 Di-n-octyl phthalate	149	14.359	14.359	0.0	99	340950	20.1	
209 Benzo[b]fluoranthene	252	14.739	14.744	-0.005	90	319237	20.7	
211 Benzo[k]fluoranthene	252	14.760	14.765	-0.005	94	365082	22.0	
213 Benzo[a]pyrene	252	15.027	15.033	-0.006	98	277319	20.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
215 Indeno[1,2,3-cd]pyrene	276	16.154	16.160	-0.006	94	332942	20.5	
216 Dibenz(a,h)anthracene	278	16.160	16.165	-0.005	51	273039	20.5	
217 Benzo[g,h,i]perylene	276	16.459	16.470	-0.011	91	278969	20.2	
S 220 Total Cresols	1				0		42.7	
S 218 3 & 4 Methylphenol	108				0		20.8	
S 219 3-Methylphenol	1				0		20.8	

Injection Date:	23-May-2011 13:35:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973W
Lims Batch ID:	17115	Lims Sample ID:	6
Operator ID:	KLP	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\HP5973W\20110523-3373.b\W0269.D
 Lims ID: IC 5 Client ID:
 Inject. Date: 23-May-2011 13:59:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: 480-0003373-007
 Misc. Info.: IC 5 =IC 5
 Operator: KLP Instrument ID: HP5973W
 Vol. Injected: 1.0000 ALS Bottle#: 6
 Lims Batch ID: 17115 Lims Sample ID: 7
 Sublist: chrom-W-8270*sub11
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973W\20110523-3373.b\W-8270.m
 Last Update: 27-May-2011 17:00:55 Calib Date: 23-May-2011 17:08:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973W\20110523-3373.b\W0277.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: pfenderk

Date: 23-May-2011 14:50:50

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.662	5.662	0.0	96	118419	40.0	
* 2 Naphthalene-d8	136	7.393	7.393	0.0	99	475823	40.0	
* 3 Acenaphthene-d10	164	9.669	9.669	0.0	96	286454	40.0	
* 4 Phenanthrene-d10	188	11.384	11.384	0.0	97	500734	40.0	
* 5 Chrysene-d12	240	13.846	13.846	0.0	94	524792	40.0	
* 6 Perylene-d12	264	15.086	15.086	0.0	95	520176	40.0	
\$ 7 2-Fluorophenol	112	3.760	3.760	0.0	82	21629	4.98	
\$ 8 Phenol-d5	99	5.192	5.192	0.0	69	25541	5.13	
\$ 9 Nitrobenzene-d5	82	6.426	6.426	0.0	86	22257	4.73	
\$ 10 2-Fluorobiphenyl	172	8.819	8.820	-0.001	86	46220	5.41	
\$ 11 2,4,6-Tribromophenol	330	10.625	10.625	0.0	26	6058	5.06	
\$ 12 p-Terphenyl-d14	244	12.922	12.922	0.0	91	57559	5.26	
53 N-Nitrosodimethylamine	42	1.853	1.848	0.005	66	15590	5.07	
52 Pyridine	52	1.917	1.912	0.005	69	28408	5.02	
69 Aniline	93	5.192	5.192	0.0	85	35425	5.28	
72 Phenol	94	5.208	5.213	-0.005	83	30132	5.14	
74 Bis(2-chloroethyl)ether	93	5.299	5.299	0.0	68	21650	5.13	
75 2-Chlorophenol	128	5.374	5.374	0.0	77	24262	5.40	
78 1,3-Dichlorobenzene	146	5.582	5.582	0.0	84	25779	5.31	
77 1,4-Dichlorobenzene	146	5.683	5.689	-0.006	58	25677	5.28	
79 Benzyl alcohol	108	5.870	5.871	-0.001	81	13313	4.62	
73 1,2-Dichlorobenzene	146	5.903	5.903	0.0	71	24232	5.34	
82 2-Methylphenol	108	6.063	6.063	0.0	85	20631	5.19	
83 2,2'-oxybis[1-chloropropane]	45	6.073	6.074	-0.001	83	39766	5.43	
87 N-Nitrosodi-n-propylamine	70	6.244	6.250	-0.006	86	14965	4.71	
88 4-Methylphenol	108	6.276	6.282	-0.006	85	21370	5.13	
89 Hexachloroethane	117	6.373	6.367	0.006	81	10490	5.25	
85 Nitrobenzene	77	6.453	6.453	0.0	83	25544	5.22	
94 Isophorone	82	6.784	6.789	-0.005	91	41927	4.96	
97 2-Nitrophenol	139	6.891	6.891	0.0	82	9828	4.54	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
99 2,4-Dimethylphenol	107	6.992	6.998	-0.006	94	25152	5.21	
101 Tetraethyl lead	237	7.051	7.051	0.0	81	9282	5.12	
103 Bis(2-chloroethoxy)methane	93	7.099	7.099	0.0	86	25615	5.43	
105 Benzoic acid	105	7.185	7.222	-0.037	87	325970	95.3	
106 2,4-Dichlorophenol	162	7.233	7.233	0.0	78	19100	5.46	
100 1,2,4-Trichlorobenzene	180	7.329	7.334	-0.005	79	23151	5.72	
107 Naphthalene	128	7.420	7.425	-0.005	94	64674	5.41	
108 4-Chloroaniline	127	7.511	7.511	0.0	79	25776	5.13	
110 Hexachlorobutadiene	225	7.623	7.623	0.0	80	12695	5.19	
117 4-Chloro-3-methylphenol	107	8.184	8.184	0.0	88	20432	4.98	
121 2-Methylnaphthalene	142	8.333	8.339	-0.006	77	37735	4.95	
125 Hexachlorocyclopentadiene	237	8.563	8.563	0.0	72	12899	4.66	
127 2,4,6-Trichlorophenol	196	8.718	8.718	0.0	75	11395	4.60	
129 2,4,5-Trichlorophenol	196	8.766	8.766	0.0	75	12356	4.68	
131 2-Chloronaphthalene	162	8.958	8.958	0.0	90	40273	5.23	
132 2-Nitroaniline	65	9.092	9.097	-0.005	42	11197	3.97	
134 Dimethyl phthalate	163	9.343	9.348	-0.005	93	47909	5.16	
135 2,6-Dinitrotoluene	165	9.402	9.407	-0.005	73	8953	4.53	
137 Acenaphthylene	152	9.482	9.482	0.0	82	59136	5.17	
140 3-Nitroaniline	138	9.615	9.615	0.0	81	10670	4.76	
141 Acenaphthene	153	9.706	9.712	-0.006	87	42661	5.44	
142 2,4-Dinitrophenol	184	9.749	9.749	0.0	39	5720	10.0	
143 4-Nitrophenol	109	9.872	9.877	-0.005	87	16439	8.98	
144 2,4-Dinitrotoluene	165	9.915	9.920	-0.005	66	12314	4.43	
145 Dibenzofuran	168	9.925	9.931	-0.006	78	58447	5.39	
149 Diethyl phthalate	149	10.230	10.241	-0.011	91	45213	5.08	
151 Fluorene	166	10.342	10.342	0.0	66	46029	5.26	
152 4-Chlorophenyl phenyl ether	204	10.353	10.353	0.0	82	26227	5.49	
153 4-Nitroaniline	138	10.363	10.363	0.0	65	10831	4.73	
154 4,6-Dinitro-2-methylphenol	198	10.411	10.417	-0.006	65	13302	7.84	
157 N-Nitrosodiphenylamine	169	10.492	10.497	-0.005	96	32750	5.32	
159 1,2-Diphenylhydrazine	77	10.534	10.540	-0.006	96	46303	4.99	
164 4-Bromophenyl phenyl ether	248	10.908	10.908	0.0	84	13227	5.10	
168 Hexachlorobenzene	284	10.983	10.988	-0.005	67	15172	5.54	
172 Pentachlorophenol	266	11.202	11.202	0.0	25	9411	10.2	
177 Phenanthrene	178	11.405	11.405	0.0	80	79120	5.63	
180 Anthracene	178	11.458	11.459	-0.001	91	72602	5.17	
181 Carbazole	167	11.629	11.630	-0.001	79	65737	5.36	
184 Di-n-butyl phthalate	149	11.993	11.993	0.0	97	67666	4.64	
191 Fluoranthene	202	12.575	12.575	0.0	92	83027	5.21	
192 Benzidine	184	12.693	12.693	-0.001	82	39951	4.74	
193 Pyrene	202	12.783	12.783	0.0	96	89884	5.33	
201 3,3'-Dimethylbenzidine	212		13.344					
200 Butyl benzyl phthalate	149	13.350	13.350	0.0	93	33410	4.57	
204 3,3'-Dichlorobenzidine	252	13.809	13.809	0.0	91	24593	4.49	
205 Benzo[a]anthracene	228	13.841	13.841	0.0	98	79392	5.30	
206 Bis(2-ethylhexyl) phthalate	149	13.841	13.841	0.0	88	47496	4.77	
207 Chrysene	228	13.868	13.873	-0.005	88	78023	5.28	
208 Di-n-octyl phthalate	149	14.359	14.359	0.0	94	68861	4.14	
209 Benzo[b]fluoranthene	252	14.739	14.744	-0.005	88	74537	5.00	
211 Benzo[k]fluoranthene	252	14.760	14.765	-0.005	93	85989	5.36	
213 Benzo[a]pyrene	252	15.027	15.033	-0.006	95	63593	4.97	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
215 Indeno[1,2,3-cd]pyrene	276	16.149	16.160	-0.011	94	73980	4.72	
216 Dibenz(a,h)anthracene	278	16.154	16.165	-0.011	42	60210	4.68	
217 Benzo[g,h,i]perylene	276	16.453	16.470	-0.017	83	66994	5.03	
S 220 Total Cresols	1				0		10.3	
S 218 3 & 4 Methylphenol	108				0		5.13	
S 219 3-Methylphenol	1				0		5.13	

Data File:

\\Bufchrom\ChromData\HP5973W\20110523-3373.b\W0269.D

Injection Date:

23-May-2011 13:59:30

Client ID:

Lims Batch ID: 171115

Lims Sample ID:

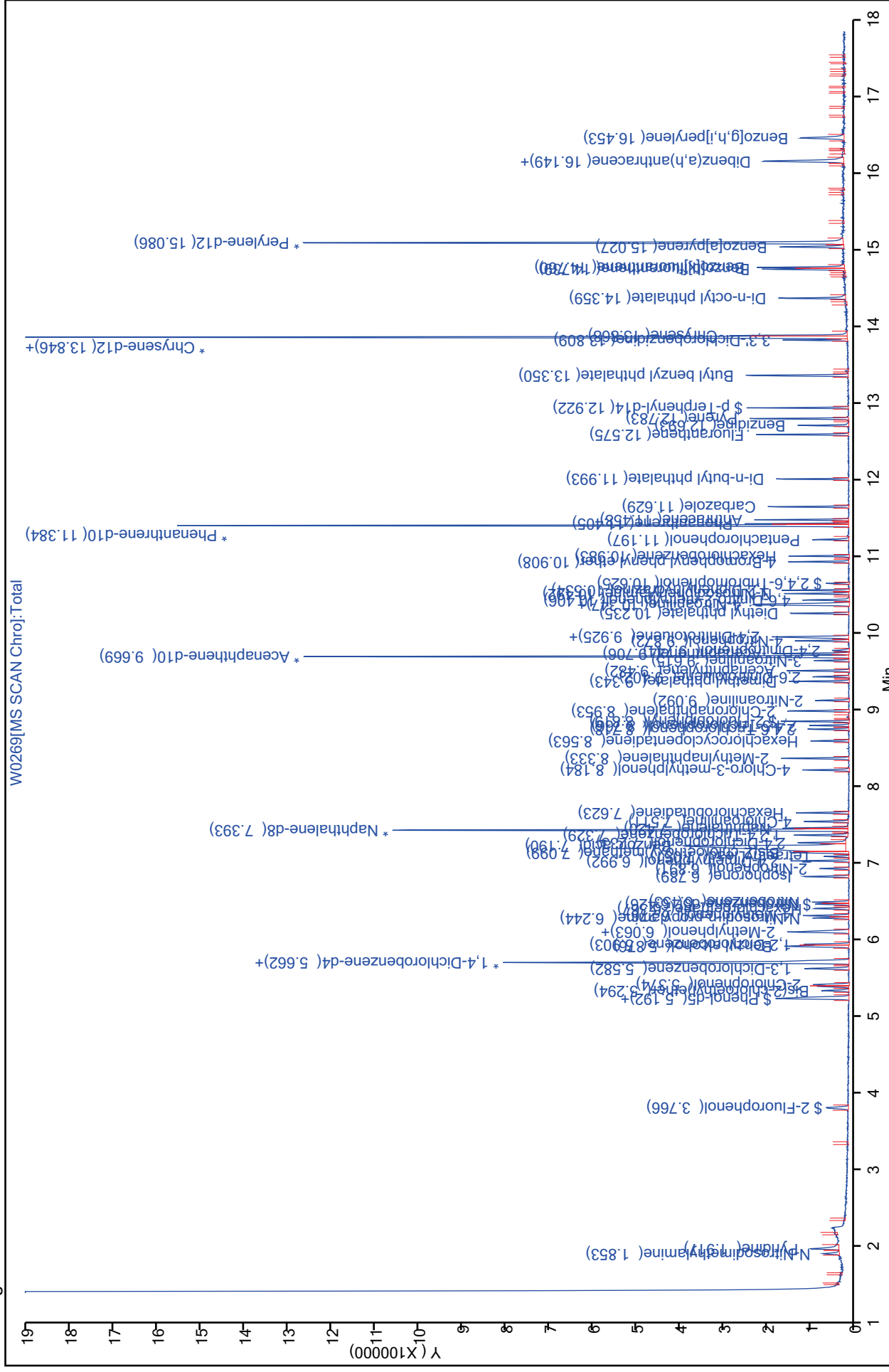
Operator ID: KLP

Injection Vol: 1.00 ul

Column Type:

RXI-5Si1 MS

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
SDG No.: _____
Lab Sample ID: CCVIS 480-17611/2 Calibration Date: 05/26/2011 09:27
Instrument ID: HP5973V Calib Start Date: 04/06/2011 15:47
GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 04/06/2011 17:50
Lab File ID: V0648.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
3,3'-Dimethylbenzidine	Ave	0.7466		0.0100		50000		100.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110526-3474.b\V0648.D
 Lims ID: CCVIS - 8270 Client ID:
 Inject. Date: 26-May-2011 09:27:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: 480-0003474-002
 Misc. Info.: CCVIS - 8270
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 17611 Lims Sample ID: 2
 Sublist: chrom-V-8270*sub23
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110526-3474.b\V-8270.m
 Last Update: 27-May-2011 16:08:20 Calib Date: 25-May-2011 14:48:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110524-3425.b\V0604.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 26-May-2011 14:34:51

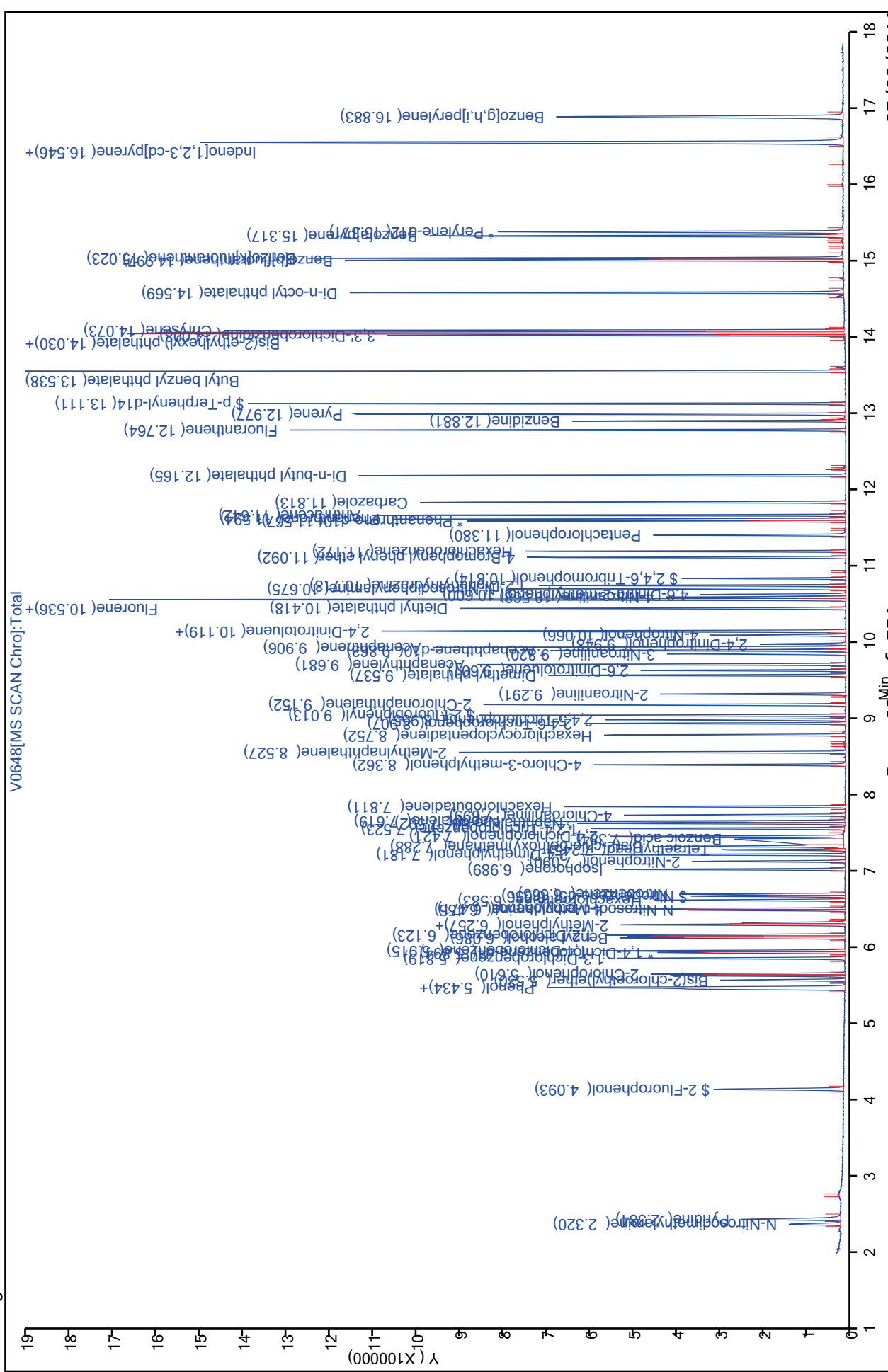
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.894	5.894	0.0	71	74761	40.0	
* 2 Naphthalene-d8	136	7.592	7.592	0.0	90	292983	40.0	
* 3 Acenaphthene-d10	164	9.863	9.863	0.0	84	178320	40.0	
* 4 Phenanthrene-d10	188	11.567	11.567	0.0	91	302845	40.0	
* 5 Chrysene-d12	240	14.051	14.051	0.0	88	331087	40.0	
* 6 Perylene-d12	264	15.371	15.371	0.0	93	338366	40.0	
\$ 9 2-Fluorophenol	112	4.093	4.093	0.0	84	116297	51.8	
\$ 10 Phenol-d5	99	5.413	5.413	0.0	93	137235	51.3	
\$ 11 Nitrobenzene-d5	82	6.636	6.636	0.0	65	129686	50.6	
\$ 12 2-Fluorobiphenyl	172	9.013	9.013	0.0	84	279727	50.0	
\$ 13 2,4,6-Tribromophenol	330	10.814	10.814	0.0	85	38726	54.0	
\$ 14 p-Terphenyl-d14	244	13.111	13.111	0.0	83	367929	51.1	
81 N-Nitrosodimethylamine	42	2.320	2.320	0.0	82	53142	47.4	
82 Pyridine	52	2.384	2.384	0.0	95	77310	47.7	
89 Phenol	94	5.429	5.429	0.0	88	157123	50.6	
90 Aniline	93	5.439	5.439	0.0	93	174121	49.9	
91 Bis(2-chloroethyl)ether	93	5.530	5.530	0.0	95	112737	50.8	
93 2-Chlorophenol	128	5.610	5.610	0.0	90	129966	51.1	
94 1,3-Dichlorobenzene	146	5.819	5.819	0.0	91	147014	50.0	
95 1,4-Dichlorobenzene	146	5.915	5.915	0.0	77	149117	50.4	
96 Benzyl alcohol	108	6.086	6.086	0.0	75	81203	51.8	
97 1,2-Dichlorobenzene	146	6.123	6.123	0.0	80	139105	50.1	
98 2-Methylphenol	108	6.257	6.257	0.0	93	107010	50.7	
99 2,2'-oxybis[1-chloropropane]	45	6.278	6.278	0.0	80	96842	46.1	
101 N-Nitrosodi-n-propylamine	70	6.449	6.449	0.0	73	85167	51.0	
102 4-Methylphenol	108	6.471	6.471	0.0	90	114053	51.4	
106 Hexachloroethane	117	6.583	6.583	0.0	86	55940	50.0	
107 Nitrobenzene	77	6.663	6.663	0.0	80	133349	50.1	
110 Isophorone	82	6.989	6.989	0.0	95	226713	50.2	
111 2-Nitrophenol	139	7.090	7.090	0.0	96	68272	53.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
112 2,4-Dimethylphenol	107	7.181	7.181	0.0	97	135430	49.9	
113 Tetraethyl lead	237	7.245	7.245	0.0	91	56154	46.8	
115 Bis(2-chloroethoxy)methane	93	7.288	7.288	0.0	99	127128	50.7	
119 Benzoic acid	105	7.384	7.384	0.0	81	277663	151.9	
117 2,4-Dichlorophenol	162	7.421	7.421	0.0	94	105688	50.9	
120 1,2,4-Trichlorobenzene	180	7.528	7.528	0.0	92	120824	50.6	
121 Naphthalene	128	7.619	7.619	0.0	97	361206	51.1	
123 4-Chloroaniline	127	7.699	7.699	0.0	83	150248	50.9	
126 Hexachlorobutadiene	225	7.811	7.811	0.0	91	79518	49.5	
131 4-Chloro-3-methylphenol	107	8.362	8.362	0.0	88	117576	50.9	
133 2-Methylnaphthalene	142	8.527	8.527	0.0	85	250584	50.6	
136 Hexachlorocyclopentadiene	237	8.757	8.757	0.0	88	94063	50.9	
139 2,4,6-Trichlorophenol	196	8.907	8.907	0.0	89	83833	52.6	
140 2,4,5-Trichlorophenol	196	8.955	8.955	0.0	94	87960	51.0	
143 2-Chloronaphthalene	162	9.152	9.152	0.0	97	250611	50.5	
145 2-Nitroaniline	65	9.291	9.291	0.0	80	73251	50.8	
147 Dimethyl phthalate	163	9.537	9.537	0.0	99	299047	49.9	
148 2,6-Dinitrotoluene	165	9.606	9.606	0.0	87	66276	53.2	
149 Acenaphthylene	152	9.681	9.681	0.0	90	380198	51.0	
150 3-Nitroaniline	138	9.820	9.820	0.0	92	67953	52.9	
151 Acenaphthene	153	9.906	9.906	0.0	93	238564	51.1	
152 2,4-Dinitrophenol	184	9.948	9.948	0.0	80	29956	48.6	
153 4-Nitrophenol	109	10.066	10.066	0.0	90	44646	48.4	
154 2,4-Dinitrotoluene	165	10.114	10.114	0.0	73	95167	52.9	
155 Dibenzofuran	168	10.125	10.125	0.0	85	351798	50.4	
160 Diethyl phthalate	149	10.418	10.418	0.0	97	294983	50.1	
161 Fluorene	166	10.531	10.531	0.0	82	291074	50.2	
162 4-Chlorophenyl phenyl ether	204	10.536	10.536	0.0	92	153023	50.4	
164 4-Nitroaniline	138	10.568	10.568	0.0	79	67370	52.7	
166 4,6-Dinitro-2-methylphenol	198	10.600	10.600	0.0	85	50014	51.2	
167 N-Nitrosodiphenylamine	169	10.675	10.675	0.0	56	202455	50.6	
168 1,2-Diphenylhydrazine	77	10.718	10.718	0.0	97	257337	48.7	
176 4-Bromophenyl phenyl ether	248	11.092	11.092	0.0	58	89203	49.6	
177 Hexachlorobenzene	284	11.172	11.172	0.0	86	95393	51.2	
181 Pentachlorophenol	266	11.385	11.385	0.0	78	49618	48.0	
185 Phenanthrene	178	11.594	11.594	0.0	96	409237	50.8	
188 Anthracene	178	11.642	11.642	0.0	96	417742	51.9	
189 Carbazole	167	11.813	11.813	0.0	83	379338	51.1	
192 Di-n-butyl phthalate	149	12.165	12.165	0.0	100	476757	53.4	
197 Fluoranthene	202	12.764	12.764	0.0	97	475385	51.8	
198 Benzidine	184	12.881	12.881	0.0	96	215709	46.9	
199 Pyrene	202	12.977	12.977	0.0	98	476756	50.5	
203 3,3'-Dimethylbenzidine	212		13.533					
205 Butyl benzyl phthalate	149	13.538	13.538	0.0	96	234371	54.3	
208 3,3'-Dichlorobenzidine	252	14.008	14.008	0.0	53	185058	53.0	
210 Bis(2-ethylhexyl) phthalate	149	14.030	14.030	0.0	94	317644	54.1	
209 Benzo[a]anthracene	228	14.040	14.040	0.0	97	485951	51.2	
211 Chrysene	228	14.073	14.073	0.0	92	469910	51.4	
212 Di-n-octyl phthalate	149	14.569	14.569	0.0	98	521440	56.8	
213 Benzo[b]fluoranthene	252	14.997	14.997	0.0	91	524903	51.8	
214 Benzo[k]fluoranthene	252	15.023	15.023	0.0	98	498488	49.8	
217 Benzo[a]pyrene	252	15.317	15.317	0.0	72	431750	51.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
219 Indeno[1,2,3-cd]pyrene	276	16.546	16.546	0.0	94	560533	49.9	
220 Dibenz(a,h)anthracene	278	16.551	16.551	0.0	55	482195	50.6	
221 Benzo[g,h,i]perylene	276	16.883	16.883	0.0	91	443130	49.7	
S 222 Total Cresols	1				0		102.2	
S 77 3 & 4 Methylphenol	108				0		51.4	
S 78 3-Methylphenol	1				0		51.4	

Injection Date:	26-May-2011 09:27:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	17611	Lims Sample ID:	2
Operator ID:	MKP	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.: 480-5072-1

SDG No.: _____

Lab Sample ID: CCVIS 480-17611/2 Calibration Date: 05/26/2011 09:27

Instrument ID: HP5973V Calib Start Date: 05/25/2011 10:02

GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 05/25/2011 12:01

Lab File ID: V0648.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Ave	0.5995	0.5687	0.0100	47400	50000	-5.1	25.0
Pyridine	Ave	0.8669	0.8273	0.0100	47700	50000	-4.6	100.0
Phenol	Ave	1.661	1.681	0.0100	50600	50000	1.2	20.0
Aniline	Ave	1.866	1.863	0.0100	49900	50000	-0.1	100.0
Bis(2-chloroethyl)ether	Ave	1.187	1.206	0.0100	50800	50000	1.6	25.0
2-Chlorophenol	Ave	1.360	1.391	0.0100	51100	50000	2.2	25.0
1,3-Dichlorobenzene	Ave	1.575	1.573	0.0100	50000	50000	-0.0	25.0
1,4-Dichlorobenzene	Ave	1.583	1.596	0.0100	50400	50000	0.8	20.0
Benzyl alcohol	Ave	0.8381	0.8689	0.0100	51800	50000	3.7	100.0
1,2-Dichlorobenzene	Ave	1.484	1.489	0.0100	50100	50000	0.3	25.0
2-Methylphenol	Ave	1.129	1.145	0.0100	50700	50000	1.5	25.0
bis (2-chloroisopropyl) ether	Ave	1.123	1.036	0.0100	46100	50000	-7.7	25.0
N-Nitrosodi-n-propylamine	Ave	0.8940	0.9114	0.0500	51000	50000	1.9	25.0
4-Methylphenol	Ave	1.187	1.220	0.0100	51400	50000	2.9	25.0
Hexachloroethane	Ave	0.5985	0.5986	0.0100	50000	50000	0.0	25.0
Nitrobenzene	Ave	0.3633	0.3641	0.0100	50100	50000	0.2	25.0
Isophorone	Ave	0.6162	0.6191	0.0100	50200	50000	0.5	25.0
2-Nitrophenol	Ave	0.1728	0.1864	0.0100	53900	50000	7.9	20.0
2,4-Dimethylphenol	Ave	0.3707	0.3698	0.0100	49900	50000	-0.2	25.0
Tetraethyl lead	Ave	0.1639	0.1533	0.0100	46800	50000	-6.5	40.0
Bis(2-chloroethoxy)methane	Ave	0.3422	0.3471	0.0100	50700	50000	1.4	25.0
Benzoic acid	Ave	0.2495	0.2527	0.0100	152000	150000	1.3	25.0
2,4-Dichlorophenol	Ave	0.2833	0.2886	0.0100	50900	50000	1.9	20.0
1,2,4-Trichlorobenzene	Ave	0.3259	0.3299	0.0100	50600	50000	1.2	25.0
Naphthalene	Ave	0.9657	0.9863	0.0100	51100	50000	2.1	25.0
4-Chloroaniline	Ave	0.4032	0.4103	0.0100	50900	50000	1.7	25.0
Hexachlorobutadiene	Ave	0.2192	0.2171	0.0100	49500	50000	-1.0	20.0
4-Chloro-3-methylphenol	Ave	0.3155	0.3211	0.0100	50900	50000	1.8	20.0
2-Methylnaphthalene	Ave	0.6764	0.6842	0.0100	50600	50000	1.2	25.0
Hexachlorocyclopentadiene	Ave	0.4149	0.4220	0.0500	50900	50000	1.7	25.0
2,4,6-Trichlorophenol	Ave	0.3574	0.3761	0.0100	52600	50000	5.2	20.0
2,4,5-Trichlorophenol	Ave	0.3865	0.3946	0.0100	51000	50000	2.1	25.0
2-Chloronaphthalene	Ave	1.112	1.124	0.0100	50500	50000	1.1	25.0
2-Nitroaniline	Ave	0.3237	0.3286	0.0100	50800	50000	1.5	25.0
Dimethyl phthalate	Ave	1.346	1.342	0.0100	49900	50000	-0.3	25.0
2,6-Dinitrotoluene	Ave	0.2797	0.2973	0.0100	53200	50000	6.3	25.0
Acenaphthylene	Ave	1.672	1.706	0.0100	51000	50000	2.0	25.0
3-Nitroaniline	Ave	0.2882	0.3049	0.0100	52900	50000	5.8	25.0
Acenaphthene	Ave	1.046	1.070	0.0100	51100	50000	2.3	20.0
2,4-Dinitrophenol	Lin1		0.1344	0.0500	48600	50000	-2.8	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.: _____

Lab Sample ID: CCVIS 480-17611/2 Calibration Date: 05/26/2011 09:27

Instrument ID: HP5973V Calib Start Date: 05/25/2011 10:02

GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 05/25/2011 12:01

Lab File ID: V0648.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Nitrophenol	Ave	0.2069	0.2003	0.0500	48400	50000	-3.2	25.0
2,4-Dinitrotoluene	Ave	0.4034	0.4270	0.0100	52900	50000	5.8	25.0
Dibenzofuran	Ave	1.565	1.578	0.0100	50400	50000	0.9	25.0
Diethyl phthalate	Ave	1.320	1.323	0.0100	50100	50000	0.2	25.0
Fluorene	Ave	1.301	1.306	0.0100	50200	50000	0.4	25.0
4-Chlorophenyl phenyl ether	Ave	0.6811	0.6865	0.0100	50400	50000	0.8	25.0
4-Nitroaniline	Ave	0.2869	0.3022	0.0100	52700	50000	5.3	25.0
4,6-Dinitro-2-methylphenol	Lin1		0.1321	0.0100	51200	50000	2.4	25.0
N-Nitrosodiphenylamine	Ave	0.5281	0.5348	0.0100	50600	50000	1.3	20.0
1,2-Diphenylhydrazine	Ave	1.185	1.155	0.0100	48700	50000	-2.5	25.0
4-Bromophenyl phenyl ether	Ave	0.2374	0.2356	0.0100	49600	50000	-0.7	25.0
Hexachlorobenzene	Ave	0.2463	0.2520	0.0100	51200	50000	2.3	25.0
Pentachlorophenol	Lin1		0.1311	0.0100	48000	50000	-4.0	20.0
Phenanthrene	Ave	1.065	1.081	0.0100	50800	50000	1.5	25.0
Anthracene	Ave	1.063	1.104	0.0100	51900	50000	3.8	25.0
Carbazole	Ave	0.9806	1.002	0.0100	51100	50000	2.2	25.0
Di-n-butyl phthalate	Ave	1.179	1.259	0.0100	53400	50000	6.8	25.0
Fluoranthene	Ave	1.212	1.256	0.0100	51800	50000	3.6	20.0
Benzidine	Ave	0.5555	0.5212	0.0100	46900	50000	-6.2	25.0
Pyrene	Ave	1.140	1.152	0.0100	50500	50000	1.1	25.0
Butyl benzyl phthalate	Ave	0.5214	0.5663	0.0100	54300	50000	8.6	25.0
3,3'-Dichlorobenzidine	Ave	0.4219	0.4472	0.0100	53000	50000	6.0	25.0
Bis(2-ethylhexyl) phthalate	Ave	0.7088	0.7675	0.0100	54100	50000	8.3	25.0
Benz(a)anthracene	Ave	1.147	1.174	0.0100	51200	50000	2.4	25.0
Chrysene	Ave	1.105	1.135	0.0100	51400	50000	2.8	25.0
Di-n-octyl phthalate	Ave	1.110	1.260	0.0100	56800	50000	13.5	20.0
Benzo(b)fluoranthene	Ave	1.198	1.241	0.0100	51800	50000	3.6	25.0
Benzo(k)fluoranthene	Ave	1.183	1.179	0.0100	49800	50000	-0.4	25.0
Benzo(a)pyrene	Ave	0.9943	1.021	0.0100	51300	50000	2.7	20.0
Indeno(1,2,3-c,d)pyrene	Ave	1.327	1.325	0.0100	49900	50000	-0.1	25.0
Dibenz(a,h)anthracene	Ave	1.126	1.140	0.0100	50600	50000	1.2	25.0
Benzo(g,h,i)perylene	Ave	1.054	1.048	0.0100	49700	50000	-0.6	25.0
2-Fluorophenol	Ave	1.202	1.244	0.0100	51800	50000	3.5	25.0
Phenol-d5	Ave	1.431	1.469	0.0100	51300	50000	2.6	25.0
Nitrobenzene-d5	Ave	0.3502	0.3541	0.0100	50600	50000	1.1	25.0
2-Fluorobiphenyl	Ave	1.255	1.255	0.0100	50000	50000	0.0	25.0
2,4,6-Tribromophenol	Ave	0.0947	0.1023	0.0100	54000	50000	8.0	25.0
p-Terphenyl-d14	Ave	0.8697	0.8890	0.0100	51100	50000	2.2	25.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110526-3474.b\V0648.D
 Lims ID: CCVIS - 8270 Client ID:
 Inject. Date: 26-May-2011 09:27:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: 480-0003474-002
 Misc. Info.: CCVIS - 8270
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 17611 Lims Sample ID: 2
 Sublist: chrom-V-8270*sub23
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110526-3474.b\V-8270.m
 Last Update: 27-May-2011 16:08:20 Calib Date: 25-May-2011 14:48:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110524-3425.b\V0604.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 26-May-2011 14:34:51

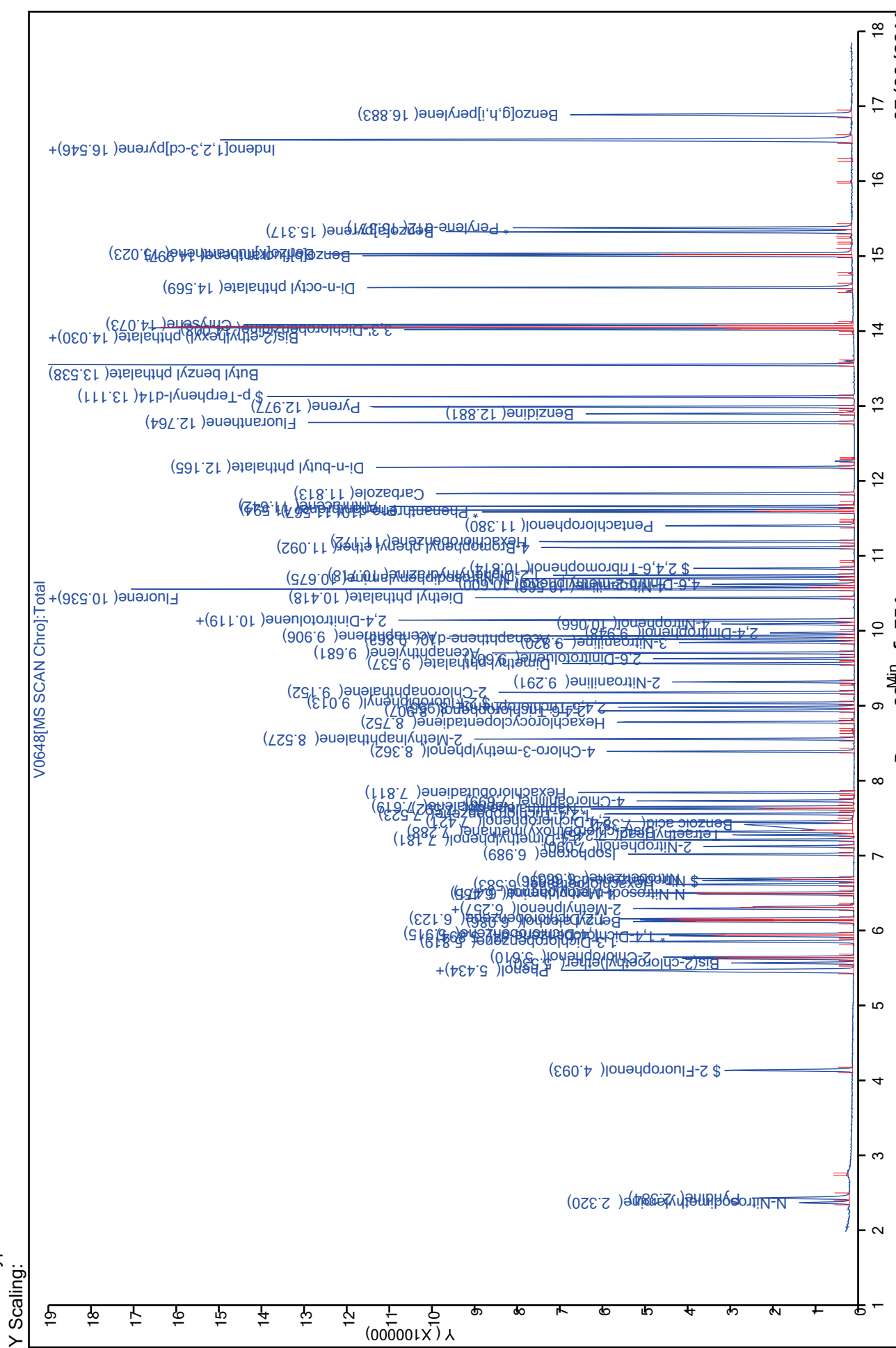
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.894	5.894	0.0	71	74761	40.0	
* 2 Naphthalene-d8	136	7.592	7.592	0.0	90	292983	40.0	
* 3 Acenaphthene-d10	164	9.863	9.863	0.0	84	178320	40.0	
* 4 Phenanthrene-d10	188	11.567	11.567	0.0	91	302845	40.0	
* 5 Chrysene-d12	240	14.051	14.051	0.0	88	331087	40.0	
* 6 Perylene-d12	264	15.371	15.371	0.0	93	338366	40.0	
\$ 9 2-Fluorophenol	112	4.093	4.093	0.0	84	116297	51.8	
\$ 10 Phenol-d5	99	5.413	5.413	0.0	93	137235	51.3	
\$ 11 Nitrobenzene-d5	82	6.636	6.636	0.0	65	129686	50.6	
\$ 12 2-Fluorobiphenyl	172	9.013	9.013	0.0	84	279727	50.0	
\$ 13 2,4,6-Tribromophenol	330	10.814	10.814	0.0	85	38726	54.0	
\$ 14 p-Terphenyl-d14	244	13.111	13.111	0.0	83	367929	51.1	
81 N-Nitrosodimethylamine	42	2.320	2.320	0.0	82	53142	47.4	
82 Pyridine	52	2.384	2.384	0.0	95	77310	47.7	
89 Phenol	94	5.429	5.429	0.0	88	157123	50.6	
90 Aniline	93	5.439	5.439	0.0	93	174121	49.9	
91 Bis(2-chloroethyl)ether	93	5.530	5.530	0.0	95	112737	50.8	
93 2-Chlorophenol	128	5.610	5.610	0.0	90	129966	51.1	
94 1,3-Dichlorobenzene	146	5.819	5.819	0.0	91	147014	50.0	
95 1,4-Dichlorobenzene	146	5.915	5.915	0.0	77	149117	50.4	
96 Benzyl alcohol	108	6.086	6.086	0.0	75	81203	51.8	
97 1,2-Dichlorobenzene	146	6.123	6.123	0.0	80	139105	50.1	
98 2-Methylphenol	108	6.257	6.257	0.0	93	107010	50.7	
99 2,2'-oxybis[1-chloropropane]	45	6.278	6.278	0.0	80	96842	46.1	
101 N-Nitrosodi-n-propylamine	70	6.449	6.449	0.0	73	85167	51.0	
102 4-Methylphenol	108	6.471	6.471	0.0	90	114053	51.4	
106 Hexachloroethane	117	6.583	6.583	0.0	86	55940	50.0	
107 Nitrobenzene	77	6.663	6.663	0.0	80	133349	50.1	
110 Isophorone	82	6.989	6.989	0.0	95	226713	50.2	
111 2-Nitrophenol	139	7.090	7.090	0.0	96	68272	53.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
112 2,4-Dimethylphenol	107	7.181	7.181	0.0	97	135430	49.9	
113 Tetraethyl lead	237	7.245	7.245	0.0	91	56154	46.8	
115 Bis(2-chloroethoxy)methane	93	7.288	7.288	0.0	99	127128	50.7	
119 Benzoic acid	105	7.384	7.384	0.0	81	277663	151.9	
117 2,4-Dichlorophenol	162	7.421	7.421	0.0	94	105688	50.9	
120 1,2,4-Trichlorobenzene	180	7.528	7.528	0.0	92	120824	50.6	
121 Naphthalene	128	7.619	7.619	0.0	97	361206	51.1	
123 4-Chloroaniline	127	7.699	7.699	0.0	83	150248	50.9	
126 Hexachlorobutadiene	225	7.811	7.811	0.0	91	79518	49.5	
131 4-Chloro-3-methylphenol	107	8.362	8.362	0.0	88	117576	50.9	
133 2-Methylnaphthalene	142	8.527	8.527	0.0	85	250584	50.6	
136 Hexachlorocyclopentadiene	237	8.757	8.757	0.0	88	94063	50.9	
139 2,4,6-Trichlorophenol	196	8.907	8.907	0.0	89	83833	52.6	
140 2,4,5-Trichlorophenol	196	8.955	8.955	0.0	94	87960	51.0	
143 2-Chloronaphthalene	162	9.152	9.152	0.0	97	250611	50.5	
145 2-Nitroaniline	65	9.291	9.291	0.0	80	73251	50.8	
147 Dimethyl phthalate	163	9.537	9.537	0.0	99	299047	49.9	
148 2,6-Dinitrotoluene	165	9.606	9.606	0.0	87	66276	53.2	
149 Acenaphthylene	152	9.681	9.681	0.0	90	380198	51.0	
150 3-Nitroaniline	138	9.820	9.820	0.0	92	67953	52.9	
151 Acenaphthene	153	9.906	9.906	0.0	93	238564	51.1	
152 2,4-Dinitrophenol	184	9.948	9.948	0.0	80	29956	48.6	
153 4-Nitrophenol	109	10.066	10.066	0.0	90	44646	48.4	
154 2,4-Dinitrotoluene	165	10.114	10.114	0.0	73	95167	52.9	
155 Dibenzofuran	168	10.125	10.125	0.0	85	351798	50.4	
160 Diethyl phthalate	149	10.418	10.418	0.0	97	294983	50.1	
161 Fluorene	166	10.531	10.531	0.0	82	291074	50.2	
162 4-Chlorophenyl phenyl ether	204	10.536	10.536	0.0	92	153023	50.4	
164 4-Nitroaniline	138	10.568	10.568	0.0	79	67370	52.7	
166 4,6-Dinitro-2-methylphenol	198	10.600	10.600	0.0	85	50014	51.2	
167 N-Nitrosodiphenylamine	169	10.675	10.675	0.0	56	202455	50.6	
168 1,2-Diphenylhydrazine	77	10.718	10.718	0.0	97	257337	48.7	
176 4-Bromophenyl phenyl ether	248	11.092	11.092	0.0	58	89203	49.6	
177 Hexachlorobenzene	284	11.172	11.172	0.0	86	95393	51.2	
181 Pentachlorophenol	266	11.385	11.385	0.0	78	49618	48.0	
185 Phenanthrene	178	11.594	11.594	0.0	96	409237	50.8	
188 Anthracene	178	11.642	11.642	0.0	96	417742	51.9	
189 Carbazole	167	11.813	11.813	0.0	83	379338	51.1	
192 Di-n-butyl phthalate	149	12.165	12.165	0.0	100	476757	53.4	
197 Fluoranthene	202	12.764	12.764	0.0	97	475385	51.8	
198 Benzidine	184	12.881	12.881	0.0	96	215709	46.9	
199 Pyrene	202	12.977	12.977	0.0	98	476756	50.5	
203 3,3'-Dimethylbenzidine	212		13.533					
205 Butyl benzyl phthalate	149	13.538	13.538	0.0	96	234371	54.3	
208 3,3'-Dichlorobenzidine	252	14.008	14.008	0.0	53	185058	53.0	
210 Bis(2-ethylhexyl) phthalate	149	14.030	14.030	0.0	94	317644	54.1	
209 Benzo[a]anthracene	228	14.040	14.040	0.0	97	485951	51.2	
211 Chrysene	228	14.073	14.073	0.0	92	469910	51.4	
212 Di-n-octyl phthalate	149	14.569	14.569	0.0	98	521440	56.8	
213 Benzo[b]fluoranthene	252	14.997	14.997	0.0	91	524903	51.8	
214 Benzo[k]fluoranthene	252	15.023	15.023	0.0	98	498488	49.8	
217 Benzo[a]pyrene	252	15.317	15.317	0.0	72	431750	51.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
219 Indeno[1,2,3-cd]pyrene	276	16.546	16.546	0.0	94	560533	49.9	
220 Dibenz(a,h)anthracene	278	16.551	16.551	0.0	55	482195	50.6	
221 Benzo[g,h,i]perylene	276	16.883	16.883	0.0	91	443130	49.7	
S 222 Total Cresols	1				0		102.2	
S 77 3 & 4 Methylphenol	108				0		51.4	
S 78 3-Methylphenol	1				0		51.4	

Injection Date: 26-May-2011 09:27:30
Client ID:
Lims Batch ID: 17611
Operator ID: MKP
Column Type: RXI-5Sil MS

Limit Group: MB - 8270C ICAL
Instrument ID: HP5973V
Lims Sample ID: 2
Injection Vol: 1.00 ul
Column Dia: 0.25 mm



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
SDG No.: _____
Lab Sample ID: CCVIS 480-17775/2 Calibration Date: 05/27/2011 08:09
Instrument ID: HP5973V Calib Start Date: 04/06/2011 15:47
GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 04/06/2011 17:50
Lab File ID: V0693.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
3,3'-Dimethylbenzidine	Ave	0.7466		0.0100		50000		100.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110527-3502.b\V0693.D
 Lims ID: CCVIS - 8270 Client ID:
 Inject. Date: 27-May-2011 08:09:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: 480-0003502-002
 Misc. Info.: CCVIS - 8270
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 17775 Lims Sample ID: 2
 Sublist: chrom-V-8270*sub23
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110527-3502.b\V-8270.m
 Last Update: 27-May-2011 16:26:14 Calib Date: 25-May-2011 14:48:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110524-3425.b\V0604.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 27-May-2011 16:26:14

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.872	5.872	0.0	76	83043	40.0	
* 2 Naphthalene-d8	136	7.576	7.576	0.0	92	318469	40.0	
* 3 Acenaphthene-d10	164	9.847	9.847	0.0	87	197510	40.0	
* 4 Phenanthrene-d10	188	11.551	11.551	0.0	96	337838	40.0	
* 5 Chrysene-d12	240	14.035	14.035	0.0	87	378140	40.0	
* 6 Perylene-d12	264	15.344	15.344	0.0	100	385324	40.0	
\$ 9 2-Fluorophenol	112	4.067	4.067	0.0	87	126560	50.7	
\$ 10 Phenol-d5	99	5.391	5.391	0.0	95	148433	50.0	
\$ 11 Nitrobenzene-d5	82	6.620	6.620	0.0	71	139086	49.9	
\$ 12 2-Fluorobiphenyl	172	8.997	8.997	0.0	99	299977	48.4	
\$ 13 2,4,6-Tribromophenol	330	10.798	10.798	0.0	88	43171	54.0	
\$ 14 p-Terphenyl-d14	244	13.095	13.095	0.0	99	418875	51.0	
81 N-Nitrosodimethylamine	42	2.282	2.282	0.0	82	57845	46.5	
82 Pyridine	52	2.346	2.346	0.0	96	81729	45.4	
89 Phenol	94	5.413	5.413	0.0	91	169424	49.1	
90 Aniline	93	5.418	5.418	0.0	74	189890	49.0	
91 Bis(2-chloroethyl)ether	93	5.514	5.514	0.0	96	122193	49.6	
93 2-Chlorophenol	128	5.589	5.589	0.0	85	142750	50.5	
94 1,3-Dichlorobenzene	146	5.797	5.797	0.0	95	161554	49.4	
95 1,4-Dichlorobenzene	146	5.899	5.899	0.0	81	166180	50.6	
96 Benzyl alcohol	108	6.070	6.070	0.0	76	85339	49.0	
97 1,2-Dichlorobenzene	146	6.107	6.107	0.0	80	154003	50.0	
98 2-Methylphenol	108	6.241	6.241	0.0	92	114399	48.8	
99 2,2'-oxybis[1-chloropropane]	45	6.262	6.262	0.0	81	102203	43.8	
101 N-Nitrosodi-n-propylamine	70	6.433	6.433	0.0	73	91289	49.2	
102 4-Methylphenol	108	6.455	6.455	0.0	92	123388	50.1	
106 Hexachloroethane	117	6.561	6.561	0.0	86	60850	49.0	
107 Nitrobenzene	77	6.641	6.641	0.0	77	139008	48.1	
110 Isophorone	82	6.967	6.967	0.0	95	241987	49.3	
111 2-Nitrophenol	139	7.074	7.074	0.0	95	75842	55.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
112 2,4-Dimethylphenol	107	7.165	7.165	0.0	97	146177	49.5	
113 Tetraethyl lead	237	7.224	7.224	0.0	91	60320	46.2	
115 Bis(2-chloroethoxy)methane	93	7.272	7.272	0.0	99	135114	49.6	
119 Benzoic acid	105	7.373	7.373	0.0	79	303970	153.0	
117 2,4-Dichlorophenol	162	7.405	7.405	0.0	94	114741	50.9	
120 1,2,4-Trichlorobenzene	180	7.507	7.507	0.0	93	131630	50.7	
121 Naphthalene	128	7.603	7.603	0.0	97	388971	50.6	
123 4-Chloroaniline	127	7.683	7.683	0.0	84	162952	50.8	
126 Hexachlorobutadiene	225	7.795	7.795	0.0	91	87701	50.2	
131 4-Chloro-3-methylphenol	107	8.346	8.346	0.0	90	126675	50.4	
133 2-Methylnaphthalene	142	8.511	8.511	0.0	84	273968	50.9	
136 Hexachlorocyclopentadiene	237	8.736	8.736	0.0	93	103500	50.5	
139 2,4,6-Trichlorophenol	196	8.891	8.891	0.0	88	91141	51.6	
140 2,4,5-Trichlorophenol	196	8.939	8.939	0.0	94	96735	50.7	
143 2-Chloronaphthalene	162	9.136	9.136	0.0	97	267052	48.6	
145 2-Nitroaniline	65	9.275	9.275	0.0	83	78254	49.0	
147 Dimethyl phthalate	163	9.521	9.521	0.0	99	328472	49.4	
148 2,6-Dinitrotoluene	165	9.585	9.585	0.0	88	72545	52.5	
149 Acenaphthylene	152	9.665	9.665	0.0	89	412503	50.0	
150 3-Nitroaniline	138	9.804	9.804	0.0	92	73663	51.8	
151 Acenaphthene	153	9.890	9.890	0.0	94	258140	50.0	
152 2,4-Dinitrophenol	184	9.932	9.932	0.0	81	36933	53.3	
153 4-Nitrophenol	109	10.050	10.050	0.0	89	49111	48.1	
154 2,4-Dinitrotoluene	165	10.098	10.098	0.0	88	103549	52.0	
155 Dibenzofuran	168	10.103	10.103	0.0	86	386628	50.0	
160 Diethyl phthalate	149	10.402	10.402	0.0	97	324243	49.7	
161 Fluorene	166	10.515	10.515	0.0	81	320225	49.8	
162 4-Chlorophenyl phenyl ether	204	10.520	10.520	0.0	91	167095	49.7	
164 4-Nitroaniline	138	10.552	10.552	0.0	81	75120	53.0	
166 4,6-Dinitro-2-methylphenol	198	10.584	10.584	0.0	88	59738	54.5	
167 N-Nitrosodiphenylamine	169	10.659	10.659	0.0	55	222969	50.0	
168 1,2-Diphenylhydrazine	77	10.702	10.702	0.0	96	272004	46.5	
176 4-Bromophenyl phenyl ether	248	11.076	11.076	0.0	58	97459	48.6	
177 Hexachlorobenzene	284	11.156	11.156	0.0	87	104782	50.4	
181 Pentachlorophenol	266	11.369	11.369	0.0	83	58288	50.2	
185 Phenanthrene	178	11.578	11.578	0.0	97	456621	50.8	
188 Anthracene	178	11.626	11.626	0.0	97	465599	51.8	
189 Carbazole	167	11.797	11.797	0.0	83	418976	50.6	
192 Di-n-butyl phthalate	149	12.149	12.149	0.0	100	518088	52.0	
197 Fluoranthene	202	12.748	12.748	0.0	97	527000	51.5	
198 Benzidine	184	12.865	12.865	0.0	97	240511	45.8	
199 Pyrene	202	12.961	12.961	0.0	98	529721	49.2	
203 3,3'-Dimethylbenzidine	212		13.533					
205 Butyl benzyl phthalate	149	13.522	13.522	0.0	97	256904	52.1	
208 3,3'-Dichlorobenzidine	252	13.992	13.992	0.0	64	208141	52.2	
210 Bis(2-ethylhexyl) phthalate	149	14.014	14.014	0.0	84	355121	53.0	
209 Benzo[a]anthracene	228	14.024	14.024	0.0	92	545861	50.3	
211 Chrysene	228	14.057	14.057	0.0	92	516573	49.5	
212 Di-n-octyl phthalate	149	14.553	14.553	0.0	98	567319	54.1	
213 Benzo[b]fluoranthene	252	14.975	14.975	0.0	91	606745	52.6	
214 Benzo[k]fluoranthene	252	15.002	15.002	0.0	98	560485	49.2	
217 Benzo[a]pyrene	252	15.291	15.291	0.0	72	488371	51.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
219 Indeno[1,2,3-cd]pyrene	276	16.514	16.514	0.0	94	633324	49.5	
220 Dibenz(a,h)anthracene	278	16.514	16.514	0.0	54	540465	49.8	
221 Benzo[g,h,i]perylene	276	16.845	16.845	0.0	91	501920	49.4	
S 222 Total Cresols	1				0		98.9	
S 78 3-Methylphenol	1				0		50.1	
S 77 3 & 4 Methylphenol	108				0		50.1	

Report Date: 27-May-2011 16:26:14

Data File:

\\Bufchrom\ChromData\HP5973V\20110527-3502.bV0693.D

Injection Date: 27-May-2011 08:09:30

Client ID:

Limit Group:

Instrument ID:

Lims Batch ID: 17775

Operator ID: MKP

Column Type: RXI-5Sil MS

Chrom Revision: 1.2 17-May-2011 14:46:34

MB - 8270C ICAL

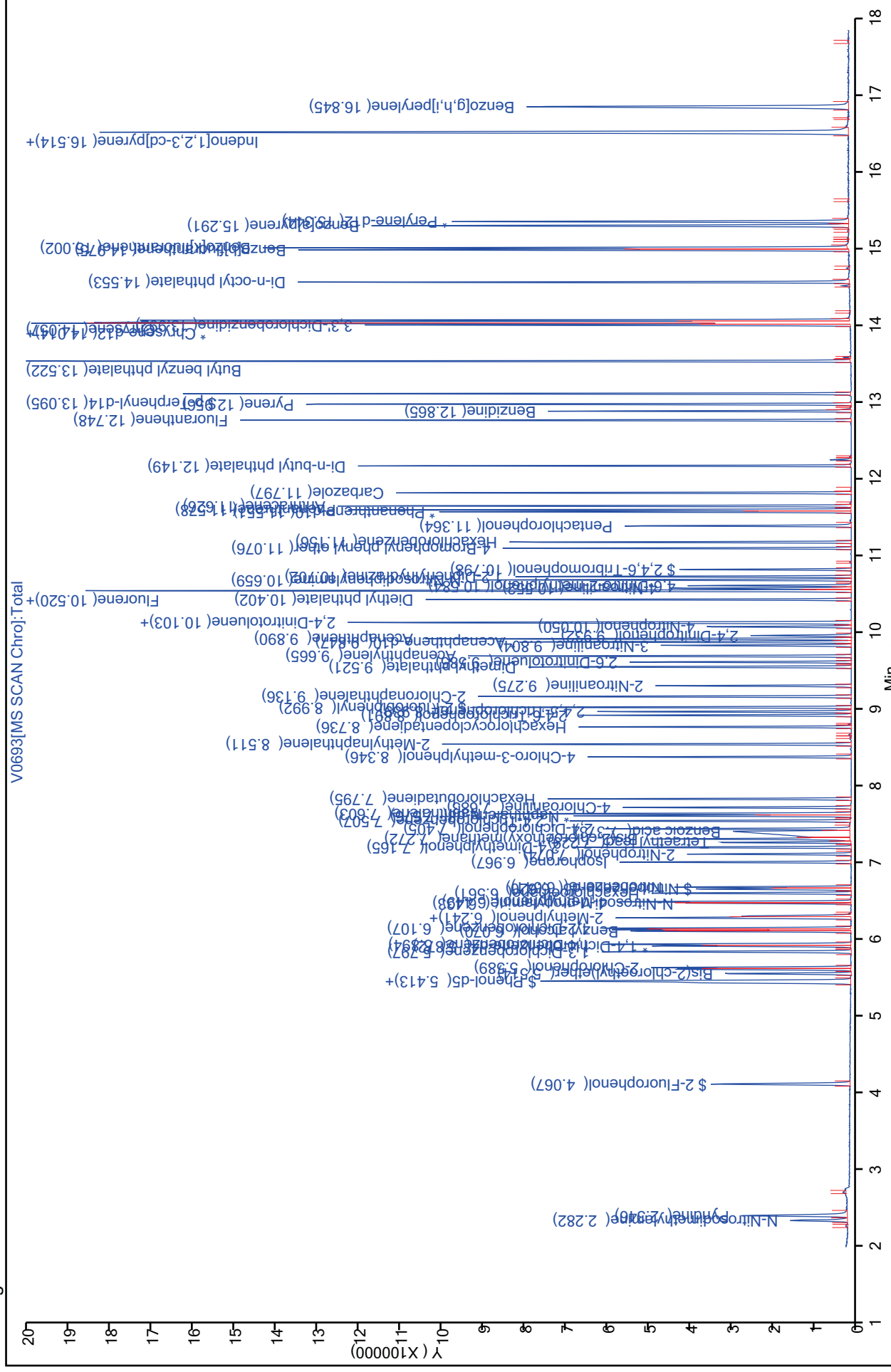
HP5973V

2

Injection Vol: 1.00 ul

Column Dia: 0.25 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.: _____

Lab Sample ID: CCVIS 480-17775/2 Calibration Date: 05/27/2011 08:09

Instrument ID: HP5973V Calib Start Date: 05/25/2011 10:02

GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 05/25/2011 12:01

Lab File ID: V0693.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Ave	0.5995	0.5573	0.0100	46500	50000	-7.0	25.0
Pyridine	Ave	0.8669	0.7873	0.0100	45400	50000	-9.2	100.0
Phenol	Ave	1.661	1.632	0.0100	49100	50000	-1.7	20.0
Aniline	Ave	1.866	1.829	0.0100	49000	50000	-2.0	100.0
Bis(2-chloroethyl)ether	Ave	1.187	1.177	0.0100	49600	50000	-0.9	25.0
2-Chlorophenol	Ave	1.360	1.375	0.0100	50500	50000	1.1	25.0
1,3-Dichlorobenzene	Ave	1.575	1.556	0.0100	49400	50000	-1.2	25.0
1,4-Dichlorobenzene	Ave	1.583	1.601	0.0100	50600	50000	1.1	20.0
Benzyl alcohol	Ave	0.8381	0.8221	0.0100	49000	50000	-1.9	100.0
1,2-Dichlorobenzene	Ave	1.484	1.484	0.0100	50000	50000	-0.0	25.0
2-Methylphenol	Ave	1.129	1.102	0.0100	48800	50000	-2.4	25.0
bis (2-chloroisopropyl) ether	Ave	1.123	0.9846	0.0100	43800	50000	-12.3	25.0
N-Nitrosodi-n-propylamine	Ave	0.8940	0.8794	0.0500	49200	50000	-1.6	25.0
4-Methylphenol	Ave	1.187	1.189	0.0100	50100	50000	0.2	25.0
Hexachloroethane	Ave	0.5985	0.5862	0.0100	49000	50000	-2.0	25.0
Nitrobenzene	Ave	0.3633	0.3492	0.0100	48100	50000	-3.9	25.0
Isophorone	Ave	0.6162	0.6079	0.0100	49300	50000	-1.4	25.0
2-Nitrophenol	Ave	0.1728	0.1905	0.0100	55100	50000	10.2	20.0
2,4-Dimethylphenol	Ave	0.3707	0.3672	0.0100	49500	50000	-0.9	25.0
Tetraethyl lead	Ave	0.1639	0.1515	0.0100	46200	50000	-7.6	40.0
Bis(2-chloroethoxy)methane	Ave	0.3422	0.3394	0.0100	49600	50000	-0.8	25.0
Benzoic acid	Ave	0.2495	0.2545	0.0100	153000	150000	2.0	25.0
2,4-Dichlorophenol	Ave	0.2833	0.2882	0.0100	50900	50000	1.7	20.0
1,2,4-Trichlorobenzene	Ave	0.3259	0.3307	0.0100	50700	50000	1.5	25.0
Naphthalene	Ave	0.9657	0.9771	0.0100	50600	50000	1.2	25.0
4-Chloroaniline	Ave	0.4032	0.4093	0.0100	50800	50000	1.5	25.0
Hexachlorobutadiene	Ave	0.2192	0.2203	0.0100	50200	50000	0.5	20.0
4-Chloro-3-methylphenol	Ave	0.3155	0.3182	0.0100	50400	50000	0.9	20.0
2-Methylnaphthalene	Ave	0.6764	0.6882	0.0100	50900	50000	1.7	25.0
Hexachlorocyclopentadiene	Ave	0.4149	0.4192	0.0500	50500	50000	1.0	25.0
2,4,6-Trichlorophenol	Ave	0.3574	0.3692	0.0100	51600	50000	3.3	20.0
2,4,5-Trichlorophenol	Ave	0.3865	0.3918	0.0100	50700	50000	1.4	25.0
2-Chloronaphthalene	Ave	1.112	1.082	0.0100	48600	50000	-2.8	25.0
2-Nitroaniline	Ave	0.3237	0.3170	0.0100	49000	50000	-2.1	25.0
Dimethyl phthalate	Ave	1.346	1.330	0.0100	49400	50000	-1.1	25.0
2,6-Dinitrotoluene	Ave	0.2797	0.2938	0.0100	52500	50000	5.1	25.0
Acenaphthylene	Ave	1.672	1.671	0.0100	50000	50000	-0.0	25.0
3-Nitroaniline	Ave	0.2882	0.2984	0.0100	51800	50000	3.5	25.0
Acenaphthene	Ave	1.046	1.046	0.0100	50000	50000	-0.0	20.0
2,4-Dinitrophenol	Lin1		0.1496	0.0500	53300	50000	6.6	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.: _____

Lab Sample ID: CCVIS 480-17775/2 Calibration Date: 05/27/2011 08:09

Instrument ID: HP5973V Calib Start Date: 05/25/2011 10:02

GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 05/25/2011 12:01

Lab File ID: V0693.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Nitrophenol	Ave	0.2069	0.1989	0.0500	48100	50000	-3.9	25.0
2,4-Dinitrotoluene	Ave	0.4034	0.4194	0.0100	52000	50000	4.0	25.0
Dibenzofuran	Ave	1.565	1.566	0.0100	50000	50000	0.0	25.0
Diethyl phthalate	Ave	1.320	1.313	0.0100	49700	50000	-0.5	25.0
Fluorene	Ave	1.301	1.297	0.0100	49800	50000	-0.3	25.0
4-Chlorophenyl phenyl ether	Ave	0.6811	0.6768	0.0100	49700	50000	-0.6	25.0
4-Nitroaniline	Ave	0.2869	0.3043	0.0100	53000	50000	6.0	25.0
4,6-Dinitro-2-methylphenol	Lin1		0.1415	0.0100	54500	50000	9.0	25.0
N-Nitrosodiphenylamine	Ave	0.5281	0.5280	0.0100	50000	50000	-0.0	20.0
1,2-Diphenylhydrazine	Ave	1.185	1.102	0.0100	46500	50000	-7.0	25.0
4-Bromophenyl phenyl ether	Ave	0.2374	0.2308	0.0100	48600	50000	-2.8	25.0
Hexachlorobenzene	Ave	0.2463	0.2481	0.0100	50400	50000	0.7	25.0
Pentachlorophenol	Lin1		0.1380	0.0100	50200	50000	0.4	20.0
Phenanthrene	Ave	1.065	1.081	0.0100	50800	50000	1.5	25.0
Anthracene	Ave	1.063	1.103	0.0100	51800	50000	3.7	25.0
Carbazole	Ave	0.9806	0.9921	0.0100	50600	50000	1.2	25.0
Di-n-butyl phthalate	Ave	1.179	1.227	0.0100	52000	50000	4.1	25.0
Fluoranthene	Ave	1.212	1.248	0.0100	51500	50000	3.0	20.0
Benzidine	Ave	0.5555	0.5088	0.0100	45800	50000	-8.4	25.0
Pyrene	Ave	1.140	1.121	0.0100	49200	50000	-1.7	25.0
Butyl benzyl phthalate	Ave	0.5214	0.5435	0.0100	52100	50000	4.2	25.0
3,3'-Dichlorobenzidine	Ave	0.4219	0.4404	0.0100	52200	50000	4.4	25.0
Bis(2-ethylhexyl) phthalate	Ave	0.7088	0.7513	0.0100	53000	50000	6.0	25.0
Benz(a)anthracene	Ave	1.147	1.155	0.0100	50300	50000	0.7	25.0
Chrysene	Ave	1.105	1.093	0.0100	49500	50000	-1.1	25.0
Di-n-octyl phthalate	Ave	1.110	1.200	0.0100	54100	50000	8.1	20.0
Benzo(b)fluoranthene	Ave	1.198	1.260	0.0100	52600	50000	5.2	25.0
Benzo(k)fluoranthene	Ave	1.183	1.164	0.0100	49200	50000	-1.6	25.0
Benzo(a)pyrene	Ave	0.9943	1.014	0.0100	51000	50000	2.0	20.0
Dibenz(a,h)anthracene	Ave	1.126	1.122	0.0100	49800	50000	-0.4	25.0
Indeno(1,2,3-c,d)pyrene	Ave	1.327	1.315	0.0100	49500	50000	-0.9	25.0
Benzo(g,h,i)perylene	Ave	1.054	1.042	0.0100	49400	50000	-1.2	25.0
2-Fluorophenol	Ave	1.202	1.219	0.0100	50700	50000	1.4	25.0
Phenol-d5	Ave	1.431	1.430	0.0100	50000	50000	-0.0	25.0
Nitrobenzene-d5	Ave	0.3502	0.3494	0.0100	49900	50000	-0.2	25.0
2-Fluorobiphenyl	Ave	1.255	1.215	0.0100	48400	50000	-3.2	25.0
2,4,6-Tribromophenol	Ave	0.0947	0.1022	0.0100	54000	50000	7.9	25.0
p-Terphenyl-d14	Ave	0.8697	0.8862	0.0100	51000	50000	1.9	25.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110527-3502.b\V0693.D
 Lims ID: CCVIS - 8270 Client ID:
 Inject. Date: 27-May-2011 08:09:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: 480-0003502-002
 Misc. Info.: CCVIS - 8270
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 17775 Lims Sample ID: 2
 Sublist: chrom-V-8270*sub23
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110527-3502.b\V-8270.m
 Last Update: 27-May-2011 16:26:14 Calib Date: 25-May-2011 14:48:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110524-3425.b\V0604.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 27-May-2011 16:26:14

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.872	5.872	0.0	76	83043	40.0	
* 2 Naphthalene-d8	136	7.576	7.576	0.0	92	318469	40.0	
* 3 Acenaphthene-d10	164	9.847	9.847	0.0	87	197510	40.0	
* 4 Phenanthrene-d10	188	11.551	11.551	0.0	96	337838	40.0	
* 5 Chrysene-d12	240	14.035	14.035	0.0	87	378140	40.0	
* 6 Perylene-d12	264	15.344	15.344	0.0	100	385324	40.0	
\$ 9 2-Fluorophenol	112	4.067	4.067	0.0	87	126560	50.7	
\$ 10 Phenol-d5	99	5.391	5.391	0.0	95	148433	50.0	
\$ 11 Nitrobenzene-d5	82	6.620	6.620	0.0	71	139086	49.9	
\$ 12 2-Fluorobiphenyl	172	8.997	8.997	0.0	99	299977	48.4	
\$ 13 2,4,6-Tribromophenol	330	10.798	10.798	0.0	88	43171	54.0	
\$ 14 p-Terphenyl-d14	244	13.095	13.095	0.0	99	418875	51.0	
81 N-Nitrosodimethylamine	42	2.282	2.282	0.0	82	57845	46.5	
82 Pyridine	52	2.346	2.346	0.0	96	81729	45.4	
89 Phenol	94	5.413	5.413	0.0	91	169424	49.1	
90 Aniline	93	5.418	5.418	0.0	74	189890	49.0	
91 Bis(2-chloroethyl)ether	93	5.514	5.514	0.0	96	122193	49.6	
93 2-Chlorophenol	128	5.589	5.589	0.0	85	142750	50.5	
94 1,3-Dichlorobenzene	146	5.797	5.797	0.0	95	161554	49.4	
95 1,4-Dichlorobenzene	146	5.899	5.899	0.0	81	166180	50.6	
96 Benzyl alcohol	108	6.070	6.070	0.0	76	85339	49.0	
97 1,2-Dichlorobenzene	146	6.107	6.107	0.0	80	154003	50.0	
98 2-Methylphenol	108	6.241	6.241	0.0	92	114399	48.8	
99 2,2'-oxybis[1-chloropropane]	45	6.262	6.262	0.0	81	102203	43.8	
101 N-Nitrosodi-n-propylamine	70	6.433	6.433	0.0	73	91289	49.2	
102 4-Methylphenol	108	6.455	6.455	0.0	92	123388	50.1	
106 Hexachloroethane	117	6.561	6.561	0.0	86	60850	49.0	
107 Nitrobenzene	77	6.641	6.641	0.0	77	139008	48.1	
110 Isophorone	82	6.967	6.967	0.0	95	241987	49.3	
111 2-Nitrophenol	139	7.074	7.074	0.0	95	75842	55.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
112 2,4-Dimethylphenol	107	7.165	7.165	0.0	97	146177	49.5	
113 Tetraethyl lead	237	7.224	7.224	0.0	91	60320	46.2	
115 Bis(2-chloroethoxy)methane	93	7.272	7.272	0.0	99	135114	49.6	
119 Benzoic acid	105	7.373	7.373	0.0	79	303970	153.0	
117 2,4-Dichlorophenol	162	7.405	7.405	0.0	94	114741	50.9	
120 1,2,4-Trichlorobenzene	180	7.507	7.507	0.0	93	131630	50.7	
121 Naphthalene	128	7.603	7.603	0.0	97	388971	50.6	
123 4-Chloroaniline	127	7.683	7.683	0.0	84	162952	50.8	
126 Hexachlorobutadiene	225	7.795	7.795	0.0	91	87701	50.2	
131 4-Chloro-3-methylphenol	107	8.346	8.346	0.0	90	126675	50.4	
133 2-Methylnaphthalene	142	8.511	8.511	0.0	84	273968	50.9	
136 Hexachlorocyclopentadiene	237	8.736	8.736	0.0	93	103500	50.5	
139 2,4,6-Trichlorophenol	196	8.891	8.891	0.0	88	91141	51.6	
140 2,4,5-Trichlorophenol	196	8.939	8.939	0.0	94	96735	50.7	
143 2-Chloronaphthalene	162	9.136	9.136	0.0	97	267052	48.6	
145 2-Nitroaniline	65	9.275	9.275	0.0	83	78254	49.0	
147 Dimethyl phthalate	163	9.521	9.521	0.0	99	328472	49.4	
148 2,6-Dinitrotoluene	165	9.585	9.585	0.0	88	72545	52.5	
149 Acenaphthylene	152	9.665	9.665	0.0	89	412503	50.0	
150 3-Nitroaniline	138	9.804	9.804	0.0	92	73663	51.8	
151 Acenaphthene	153	9.890	9.890	0.0	94	258140	50.0	
152 2,4-Dinitrophenol	184	9.932	9.932	0.0	81	36933	53.3	
153 4-Nitrophenol	109	10.050	10.050	0.0	89	49111	48.1	
154 2,4-Dinitrotoluene	165	10.098	10.098	0.0	88	103549	52.0	
155 Dibenzofuran	168	10.103	10.103	0.0	86	386628	50.0	
160 Diethyl phthalate	149	10.402	10.402	0.0	97	324243	49.7	
161 Fluorene	166	10.515	10.515	0.0	81	320225	49.8	
162 4-Chlorophenyl phenyl ether	204	10.520	10.520	0.0	91	167095	49.7	
164 4-Nitroaniline	138	10.552	10.552	0.0	81	75120	53.0	
166 4,6-Dinitro-2-methylphenol	198	10.584	10.584	0.0	88	59738	54.5	
167 N-Nitrosodiphenylamine	169	10.659	10.659	0.0	55	222969	50.0	
168 1,2-Diphenylhydrazine	77	10.702	10.702	0.0	96	272004	46.5	
176 4-Bromophenyl phenyl ether	248	11.076	11.076	0.0	58	97459	48.6	
177 Hexachlorobenzene	284	11.156	11.156	0.0	87	104782	50.4	
181 Pentachlorophenol	266	11.369	11.369	0.0	83	58288	50.2	
185 Phenanthrene	178	11.578	11.578	0.0	97	456621	50.8	
188 Anthracene	178	11.626	11.626	0.0	97	465599	51.8	
189 Carbazole	167	11.797	11.797	0.0	83	418976	50.6	
192 Di-n-butyl phthalate	149	12.149	12.149	0.0	100	518088	52.0	
197 Fluoranthene	202	12.748	12.748	0.0	97	527000	51.5	
198 Benzidine	184	12.865	12.865	0.0	97	240511	45.8	
199 Pyrene	202	12.961	12.961	0.0	98	529721	49.2	
203 3,3'-Dimethylbenzidine	212		13.533					
205 Butyl benzyl phthalate	149	13.522	13.522	0.0	97	256904	52.1	
208 3,3'-Dichlorobenzidine	252	13.992	13.992	0.0	64	208141	52.2	
210 Bis(2-ethylhexyl) phthalate	149	14.014	14.014	0.0	84	355121	53.0	
209 Benzo[a]anthracene	228	14.024	14.024	0.0	92	545861	50.3	
211 Chrysene	228	14.057	14.057	0.0	92	516573	49.5	
212 Di-n-octyl phthalate	149	14.553	14.553	0.0	98	567319	54.1	
213 Benzo[b]fluoranthene	252	14.975	14.975	0.0	91	606745	52.6	
214 Benzo[k]fluoranthene	252	15.002	15.002	0.0	98	560485	49.2	
217 Benzo[a]pyrene	252	15.291	15.291	0.0	72	488371	51.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
219 Indeno[1,2,3-cd]pyrene	276	16.514	16.514	0.0	94	633324	49.5	
220 Dibenz(a,h)anthracene	278	16.514	16.514	0.0	54	540465	49.8	
221 Benzo[g,h,i]perylene	276	16.845	16.845	0.0	91	501920	49.4	
S 222 Total Cresols	1				0		98.9	
S 78 3-Methylphenol	1				0		50.1	
S 77 3 & 4 Methylphenol	108				0		50.1	

Report Date: 27-May-2011 16:26:14

Data File:

\\Bufchrom\ChromData\HP5973V\20110527-3502.bV0693.D

Injection Date: 27-May-2011 08:09:30

Limit Group:

MB - 8270C ICAL

Client ID:

Instrument ID:

HP5973V

Lims Batch ID: 17775

Lims Sample ID: 2

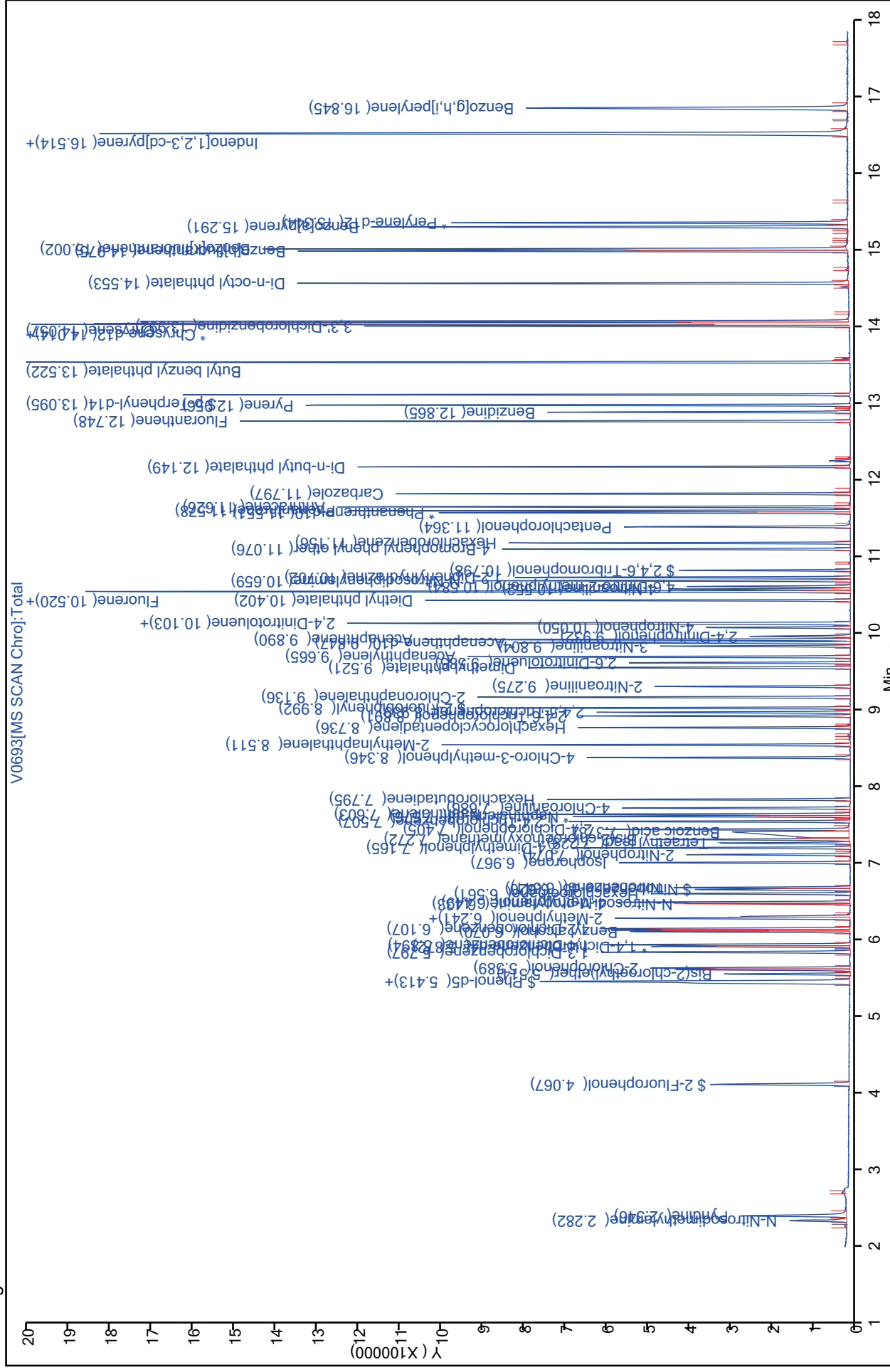
Operator ID: MKP

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.: 480-5072-1

SDG No.: _____

Lab Sample ID: CCVIS 480-17774/2 Calibration Date: 05/27/2011 08:00

Instrument ID: HP5973W Calib Start Date: 05/23/2011 11:37

GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 05/23/2011 13:59

Lab File ID: W0437.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Ave	1.039	1.045	0.0100	50300	50000	0.6	25.0
Pyridine	Ave	1.912	2.038	0.0100	53300	50000	6.6	100.0
Aniline	Ave	2.268	2.323	0.0100	51200	50000	2.4	100.0
Phenol	Ave	1.981	2.124	0.0100	53600	50000	7.2	20.0
Bis(2-chloroethyl)ether	Ave	1.425	1.549	0.0100	54300	50000	8.7	25.0
2-Chlorophenol	Ave	1.517	1.547	0.0100	51000	50000	2.0	25.0
1,3-Dichlorobenzene	Ave	1.639	1.642	0.0100	50100	50000	0.2	25.0
1,4-Dichlorobenzene	Ave	1.644	1.671	0.0100	50800	50000	1.6	20.0
Benzyl alcohol	Ave	0.9736	1.074	0.0100	55100	50000	10.3	100.0
1,2-Dichlorobenzene	Ave	1.533	1.545	0.0100	50400	50000	0.8	25.0
2-Methylphenol	Ave	1.344	1.386	0.0100	51600	50000	3.2	25.0
bis (2-chloroisopropyl) ether	Ave	2.476	2.740	0.0100	55300	50000	10.7	25.0
N-Nitrosodi-n-propylamine	Ave	1.073	1.164	0.0500	54200	50000	8.5	25.0
4-Methylphenol	Ave	1.408	1.465	0.0100	52000	50000	4.0	25.0
Hexachloroethane	Ave	0.6745	0.6786	0.0100	50300	50000	0.6	25.0
Nitrobenzene	Ave	0.4115	0.4174	0.0100	50700	50000	1.4	25.0
Isophorone	Ave	0.7106	0.7470	0.0100	52600	50000	5.1	25.0
2-Nitrophenol	Ave	0.1818	0.1903	0.0100	52300	50000	4.6	20.0
2,4-Dimethylphenol	Ave	0.4060	0.3992	0.0100	49200	50000	-1.7	25.0
Tetraethyl lead	Ave	0.1525	0.1334	0.0100	43700	50000	-12.5	40.0
Bis(2-chloroethoxy)methane	Ave	0.3962	0.4194	0.0100	52900	50000	5.9	25.0
Benzoic acid	Ave	0.2874	0.3093	0.0100	161000	150000	7.6	25.0
2,4-Dichlorophenol	Ave	0.2940	0.2846	0.0100	48400	50000	-3.2	20.0
1,2,4-Trichlorobenzene	Ave	0.3405	0.3255	0.0100	47800	50000	-4.4	25.0
Naphthalene	Ave	1.005	1.025	0.0100	51000	50000	1.9	25.0
4-Chloroaniline	Ave	0.4220	0.4303	0.0100	51000	50000	2.0	25.0
Hexachlorobutadiene	Ave	0.2056	0.1896	0.0100	46100	50000	-7.8	20.0
4-Chloro-3-methylphenol	Ave	0.3448	0.3429	0.0100	49700	50000	-0.6	20.0
2-Methylnaphthalene	Ave	0.6412	0.6500	0.0100	50700	50000	1.4	25.0
Hexachlorocyclopentadiene	Ave	0.3865	0.3713	0.0500	48000	50000	-4.0	25.0
2,4,6-Trichlorophenol	Ave	0.3457	0.3596	0.0100	52000	50000	4.0	20.0
2,4,5-Trichlorophenol	Ave	0.3685	0.3768	0.0100	51100	50000	2.2	25.0
2-Chloronaphthalene	Ave	1.076	1.109	0.0100	51500	50000	3.1	25.0
2-Nitroaniline	Ave	0.3941	0.4250	0.0100	53900	50000	7.8	25.0
Dimethyl phthalate	Ave	1.297	1.278	0.0100	49300	50000	-1.5	25.0
2,6-Dinitrotoluene	Ave	0.2758	0.2876	0.0100	52100	50000	4.3	25.0
Acenaphthylene	Ave	1.598	1.652	0.0100	51700	50000	3.4	25.0
3-Nitroaniline	Ave	0.3129	0.3268	0.0100	52200	50000	4.4	25.0
Acenaphthene	Ave	1.095	1.067	0.0100	48700	50000	-2.5	20.0
2,4-Dinitrophenol	Lin1		0.1707	0.0500	53800	50000	7.6	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.: _____

Lab Sample ID: CCVIS 480-17774/2 Calibration Date: 05/27/2011 08:00

Instrument ID: HP5973W Calib Start Date: 05/23/2011 11:37

GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 05/23/2011 13:59

Lab File ID: W0437.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Nitrophenol	Ave	0.2557	0.2339	0.0500	45700	50000	-8.5	25.0
2,4-Dinitrotoluene	Ave	0.3885	0.4053	0.0100	52200	50000	4.3	25.0
Dibenzofuran	Ave	1.515	1.517	0.0100	50100	50000	0.1	25.0
Diethyl phthalate	Ave	1.242	1.224	0.0100	49300	50000	-1.4	25.0
Fluorene	Ave	1.223	1.226	0.0100	50200	50000	0.3	25.0
4-Chlorophenyl phenyl ether	Ave	0.6672	0.6395	0.0100	47900	50000	-4.2	25.0
4-Nitroaniline	Ave	0.3200	0.3393	0.0100	53000	50000	6.0	25.0
4,6-Dinitro-2-methylphenol	Ave	0.1355	0.1459	0.0100	53800	50000	7.7	25.0
N-Nitrosodiphenylamine	Ave	0.4915	0.4965	0.0100	50500	50000	1.0	20.0
1,2-Diphenylhydrazine	Ave	1.294	1.334	0.0100	51500	50000	3.0	25.0
4-Bromophenyl phenyl ether	Ave	0.2073	0.2067	0.0100	49800	50000	-0.3	25.0
Hexachlorobenzene	Ave	0.2186	0.2130	0.0100	48700	50000	-2.6	25.0
Pentachlorophenol	Lin1		0.1315	0.0100	56300	50000	12.6	20.0
Phenanthrene	Ave	1.122	1.124	0.0100	50100	50000	0.1	25.0
Anthracene	Ave	1.123	1.139	0.0100	50700	50000	1.5	25.0
Carbazole	Ave	0.9802	0.9950	0.0100	50800	50000	1.5	25.0
Di-n-butyl phthalate	Ave	1.166	1.219	0.0100	52300	50000	4.5	25.0
Fluoranthene	Ave	1.274	1.255	0.0100	49300	50000	-1.5	20.0
Benzidine	Ave	0.6427	0.5900	0.0100	45900	50000	-8.2	25.0
Pyrene	Ave	1.284	1.354	0.0100	52700	50000	5.4	25.0
Butyl benzyl phthalate	Ave	0.5569	0.6282	0.0100	56400	50000	12.8	25.0
3,3'-Dichlorobenzidine	Ave	0.4174	0.4555	0.0100	54600	50000	9.1	25.0
Benz(a)anthracene	Ave	1.142	1.195	0.0100	52300	50000	4.6	25.0
Bis(2-ethylhexyl) phthalate	Ave	0.7594	0.8289	0.0100	54600	50000	9.1	25.0
Chrysene	Ave	1.127	1.148	0.0100	50900	50000	1.8	25.0
Di-n-octyl phthalate	Ave	1.268	1.501	0.0100	59200	50000	18.4	20.0
Benzo(b)fluoranthene	Ave	1.145	1.239	0.0100	54100	50000	8.2	25.0
Benzo(k)fluoranthene	Ave	1.234	1.174	0.0100	47600	50000	-4.9	25.0
Benzo(a)pyrene	Ave	0.9832	1.000	0.0100	50900	50000	1.7	20.0
Indeno(1,2,3-c,d)pyrene	Ave	1.205	1.145	0.0100	47500	50000	-5.0	25.0
Dibenz(a,h)anthracene	Ave	0.9883	0.9466	0.0100	47900	50000	-4.2	25.0
Benzo(g,h,i)perylene	Ave	1.023	0.9861	0.0100	48200	50000	-3.7	25.0
2-Fluorophenol	Ave	1.468	1.553	0.0100	52900	50000	5.8	25.0
Phenol-d5	Ave	1.683	1.801	0.0100	53500	50000	7.0	25.0
Nitrobenzene-d5	Ave	0.3960	0.4046	0.0100	51100	50000	2.2	25.0
2-Fluorobiphenyl	Ave	1.193	1.187	0.0100	49700	50000	-0.6	25.0
2,4,6-Tribromophenol	Ave	0.0956	0.0973	0.0100	50900	50000	1.8	25.0
p-Terphenyl-d14	Ave	0.8345	0.8544	0.0100	51200	50000	2.4	25.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20110527-3501.b\W0437.D
 Lims ID: CCVIS - 8270 Client ID:
 Inject. Date: 27-May-2011 08:00:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: 480-0003501-002
 Misc. Info.: CCVIS - 8270 =CCVIS - 8270
 Operator: MKP Instrument ID: HP5973W
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 17774 Lims Sample ID: 2
 Sublist: chrom-W-8270*sub11
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973W\20110527-3501.b\W-8270.m
 Last Update: 27-May-2011 17:19:33 Calib Date: 23-May-2011 17:08:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973W\20110523-3373.b\W0277.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 27-May-2011 17:19:33

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.397	5.397	0.0	76	156091	40.0	
* 2 Naphthalene-d8	136	7.144	7.144	0.0	92	634225	40.0	
* 3 Acenaphthene-d10	164	9.419	9.419	0.0	98	367668	40.0	
* 4 Phenanthrene-d10	188	11.161	11.161	0.0	95	621524	40.0	
* 5 Chrysene-d12	240	13.634	13.634	0.0	86	586492	40.0	
* 6 Perylene-d12	264	14.820	14.820	0.0	98	599670	40.0	
\$ 7 2-Fluorophenol	112	3.431	3.431	0.0	90	302965	52.9	
\$ 8 Phenol-d5	99	4.927	4.927	0.0	83	351446	53.5	
\$ 9 Nitrobenzene-d5	82	6.171	6.171	0.0	90	320777	51.1	
\$ 10 2-Fluorobiphenyl	172	8.575	8.575	0.0	99	545300	49.7	
\$ 11 2,4,6-Tribromophenol	330	10.397	10.397	0.0	92	75582	50.9	
\$ 12 p-Terphenyl-d14	244	12.716	12.716	0.0	99	626384	51.2	
53 N-Nitrosodimethylamine	42	1.582	1.582	0.0	85	203852	50.3	
52 Pyridine	52	1.636	1.636	0.0	77	397555	53.3	
69 Aniline	93	4.916	4.916	0.0	86	453307	51.2	
72 Phenol	94	4.948	4.948	0.0	93	414335	53.6	M
74 Bis(2-chloroethyl)ether	93	5.028	5.028	0.0	91	302194	54.3	
75 2-Chlorophenol	128	5.103	5.103	0.0	87	301880	51.0	
78 1,3-Dichlorobenzene	146	5.311	5.311	0.0	94	320467	50.1	
77 1,4-Dichlorobenzene	146	5.418	5.418	0.0	80	326063	50.8	
79 Benzyl alcohol	108	5.616	5.616	0.0	80	209455	55.1	
73 1,2-Dichlorobenzene	146	5.637	5.637	0.0	92	301528	50.4	
82 2-Methylphenol	108	5.813	5.813	0.0	95	270472	51.6	
83 2,2'-oxybis[1-chloropropane]	45	5.824	5.824	0.0	91	534573	55.3	
87 N-Nitrosodi-n-propylamine	70	5.995	5.995	0.0	91	227168	54.2	
88 4-Methylphenol	108	6.032	6.032	0.0	93	285798	52.0	
89 Hexachloroethane	117	6.107	6.107	0.0	95	132410	50.3	
85 Nitrobenzene	77	6.198	6.198	0.0	89	330924	50.7	
94 Isophorone	82	6.540	6.540	0.0	96	592180	52.6	
97 2-Nitrophenol	139	6.641	6.641	0.0	95	150858	52.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
99 2,4-Dimethylphenol	107	6.754	6.754	0.0	97	316509	49.2	
101 Tetraethyl lead	237	6.807	6.807	0.0	92	105771	43.7	
103 Bis(2-chloroethoxy)methane	93	6.861	6.861	0.0	96	332525	52.9	
105 Benzoic acid	105	6.978	6.978	0.0	84	735688	161.4	
106 2,4-Dichlorophenol	162	6.983	6.983	0.0	96	225619	48.4	
100 1,2,4-Trichlorobenzene	180	7.085	7.085	0.0	93	258072	47.8	
107 Naphthalene	128	7.170	7.170	0.0	96	812235	51.0	
108 4-Chloroaniline	127	7.267	7.267	0.0	81	341129	51.0	
110 Hexachlorobutadiene	225	7.379	7.379	0.0	94	150296	46.1	
117 4-Chloro-3-methylphenol	107	7.945	7.945	0.0	92	271837	49.7	
121 2-Methylnaphthalene	142	8.089	8.089	0.0	86	515280	50.7	
125 Hexachlorocyclopentadiene	237	8.319	8.319	0.0	92	170627	48.0	
127 2,4,6-Trichlorophenol	196	8.474	8.474	0.0	89	165245	52.0	
129 2,4,5-Trichlorophenol	196	8.517	8.517	0.0	93	173162	51.1	
131 2-Chloronaphthalene	162	8.709	8.709	0.0	98	509715	51.5	
132 2-Nitroaniline	65	8.848	8.848	0.0	77	195300	53.9	
134 Dimethyl phthalate	163	9.110	9.110	0.0	97	587125	49.3	
135 2,6-Dinitrotoluene	165	9.163	9.163	0.0	89	132169	52.1	
137 Acenaphthylene	152	9.232	9.232	0.0	91	759097	51.7	
140 3-Nitroaniline	138	9.371	9.371	0.0	87	150188	52.2	
141 Acenaphthene	153	9.457	9.457	0.0	91	490317	48.7	
142 2,4-Dinitrophenol	184	9.505	9.505	0.0	78	78427	53.8	
143 4-Nitrophenol	109	9.638	9.638	0.0	94	107483	45.7	
144 2,4-Dinitrotoluene	165	9.676	9.676	0.0	83	186267	52.2	
145 Dibenzofuran	168	9.681	9.681	0.0	85	696977	50.1	
149 Diethyl phthalate	149	10.012	10.012	0.0	97	562452	49.3	
151 Fluorene	166	10.103	10.103	0.0	56	563645	50.2	
152 4-Chlorophenyl phenyl ether	204	10.125	10.125	0.0	89	293915	47.9	
153 4-Nitroaniline	138	10.135	10.135	0.0	64	155946	53.0	
154 4,6-Dinitro-2-methylphenol	198	10.183	10.183	0.0	79	113308	53.8	
157 N-Nitrosodiphenylamine	169	10.264	10.264	0.0	96	385749	50.5	
159 1,2-Diphenylhydrazine	77	10.306	10.306	0.0	94	612953	51.5	
164 4-Bromophenyl phenyl ether	248	10.686	10.686	0.0	94	160551	49.8	
168 Hexachlorobenzene	284	10.760	10.760	0.0	91	165449	48.7	
172 Pentachlorophenol	266	10.974	10.974	0.0	79	102149	56.3	
177 Phenanthrene	178	11.182	11.182	0.0	96	872870	50.1	
180 Anthracene	178	11.236	11.236	0.0	96	885212	50.7	
181 Carbazole	167	11.412	11.412	0.0	83	772983	50.8	
184 Di-n-butyl phthalate	149	11.786	11.786	0.0	100	946970	52.3	
191 Fluoranthene	202	12.358	12.358	0.0	97	974674	49.3	
192 Benzidine	184	12.481	12.481	0.0	97	432501	45.9	
193 Pyrene	202	12.566	12.566	0.0	98	992369	52.7	
200 Butyl benzyl phthalate	149	13.148	13.148	0.0	95	460567	56.4	
201 3,3'-Dimethylbenzidine	212		13.302					
204 3,3'-Dichlorobenzidine	252	13.602	13.602	0.0	91	333901	54.6	
205 Benzo[a]anthracene	228	13.624	13.624	0.0	91	875944	52.3	
206 Bis(2-ethylhexyl) phthalate	149	13.645	13.645	0.0	96	607684	54.6	
207 Chrysene	228	13.656	13.656	0.0	88	841252	50.9	
208 Di-n-octyl phthalate	149	14.153	14.153	0.0	99	1100721	59.2	
209 Benzo[b]fluoranthene	252	14.500	14.500	0.0	91	928497	54.1	
211 Benzo[k]fluoranthene	252	14.521	14.521	0.0	94	879755	47.6	
213 Benzo[a]pyrene	252	14.772	14.772	0.0	98	749862	50.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
215 Indeno[1,2,3-cd]pyrene	276	15.814	15.814	0.0	94	858109	47.5	
216 Dibenz(a,h)anthracene	278	15.819	15.819	0.0	53	709581	47.9	
217 Benzo[g,h,i]perylene	276	16.097	16.097	0.0	90	739175	48.2	
S 218 3 & 4 Methylphenol	108				0		52.0	
S 219 3-Methylphenol	1				0		52.0	
S 220 Total Cresols	1				0		103.6	

QC Flag Legend

Review Flags

M - Manually Integrated

Data File:

\\Bufchrom\ChromData\HP5973W\20110527-3501.b\W0437.D

Injection Date:

27-May-2011 08:00:30

Client ID:

Client ID:

Lims Batch ID: 17774

Lims Batch ID:

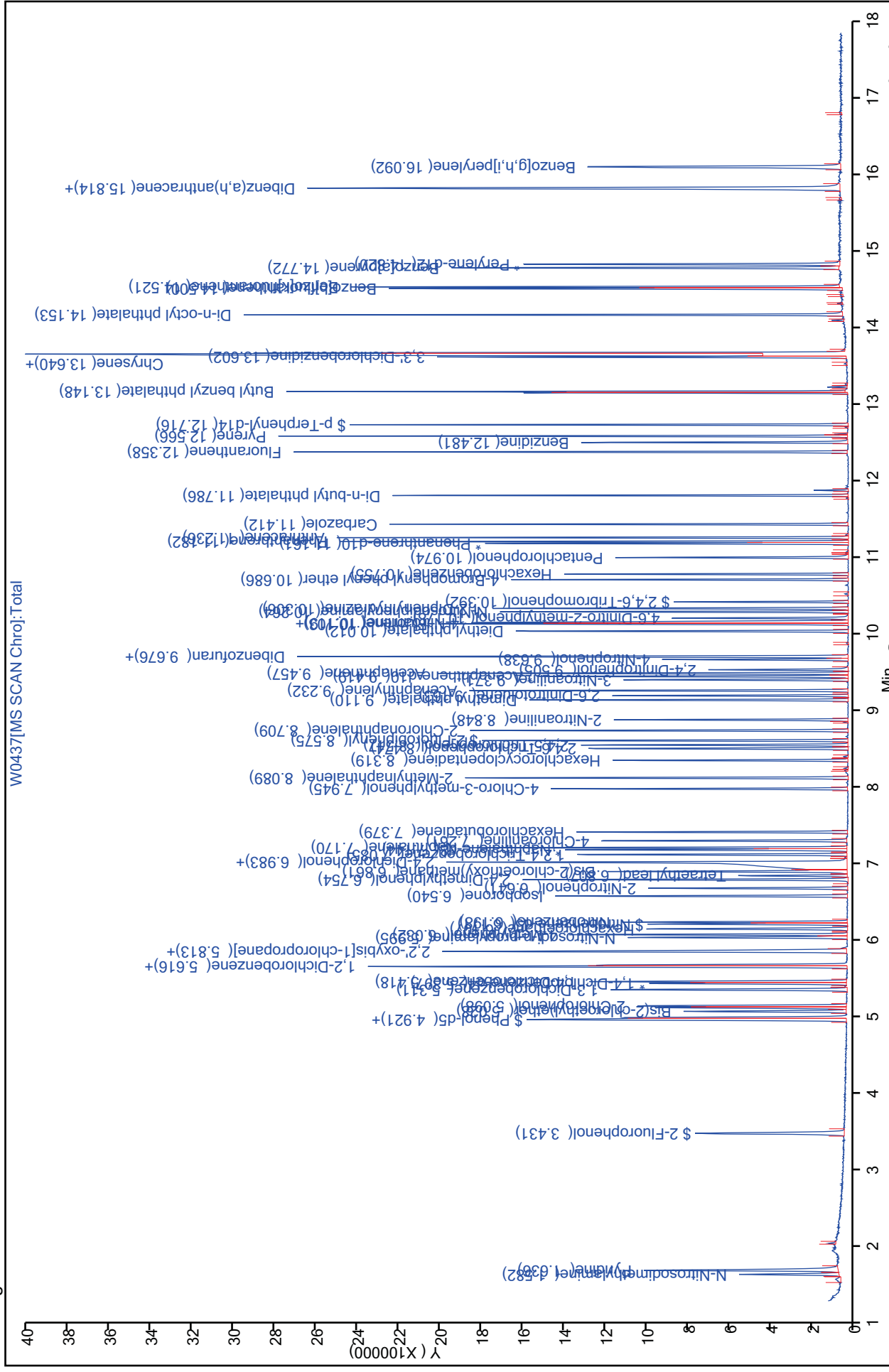
Operator ID:

Operator ID: MKP

Column Type: RXI-5Sil MS

Column Type:

Y Scaling:

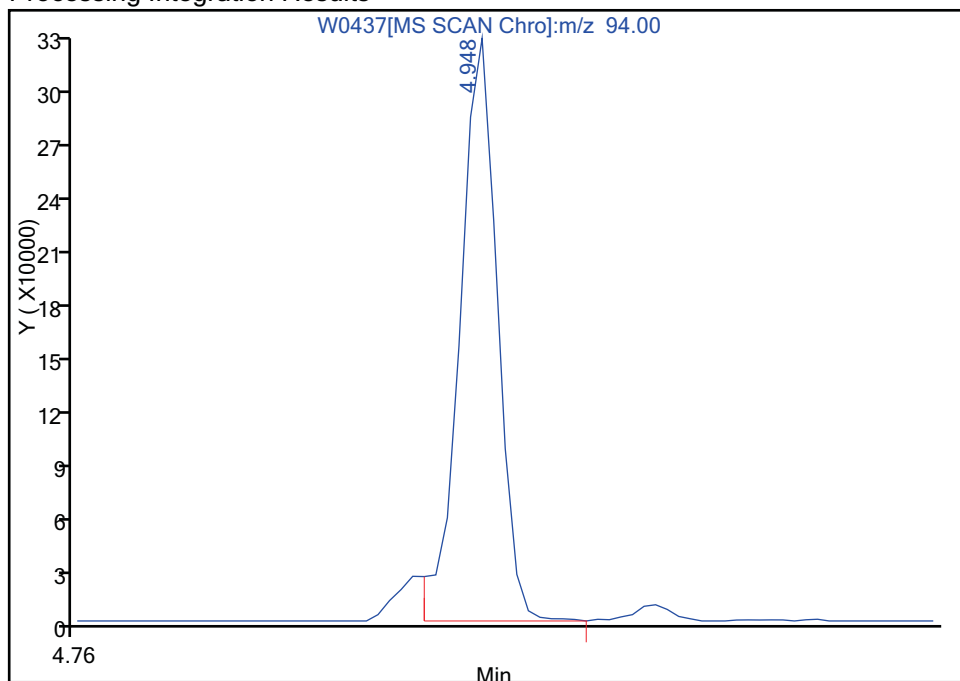


Data File:	\\Bufchrom\ChromData\HP5973W\20110527-3501.b\W0437.D		
Injection Date:	27-May-2011 08:00:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973W
Lims Batch ID:	17774	Lims Sample ID:	2
Operator ID:	MKP	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

72 Phenol, Signal: 1, m/z: 94.0 Type: quant, RT: 4.95

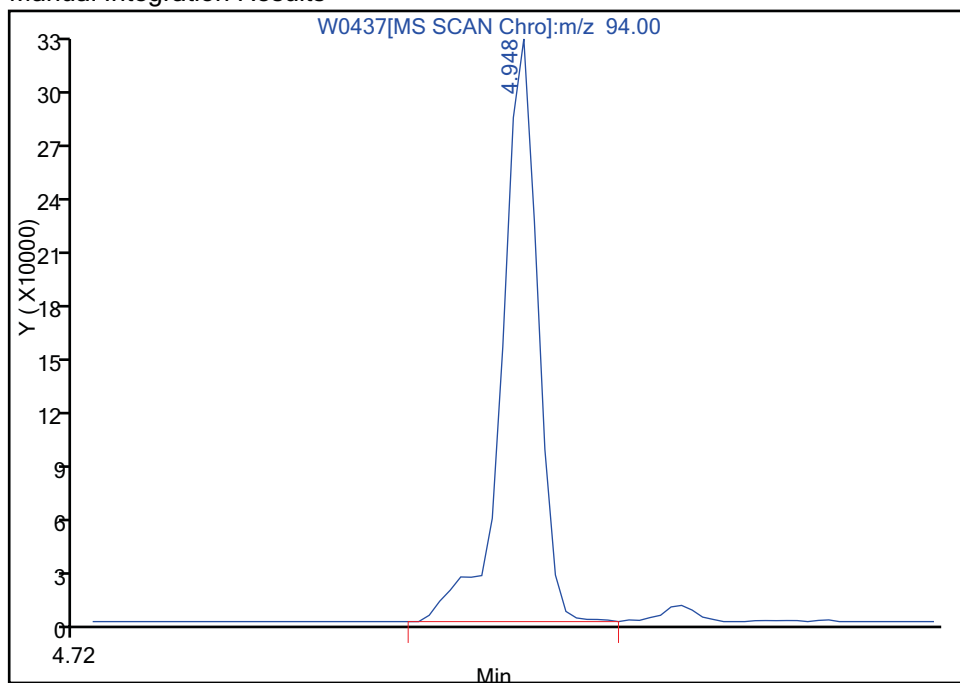
RT: 4.95
Response: 395819
Amount: 51.197619

Processing Integration Results



RT: 4.95
Response: 414335
Amount: 53.592590

Manual Integration Results



Reviewer: pagem, 27-May-2011 08:32:25
Audit Action: Manually Integrated
Audit Reason: Cut Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.: _____

Lab Sample ID: CCVIS 480-18006/2 Calibration Date: 05/31/2011 07:47

Instrument ID: HP5973W Calib Start Date: 05/23/2011 11:37

GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 05/23/2011 13:59

Lab File ID: W0471.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Ave	1.039	1.152	0.0100	55400	50000	10.9	25.0
Pyridine	Ave	1.912	2.148	0.0100	56200	50000	12.4	100.0
Aniline	Ave	2.268	2.260	0.0100	49800	50000	-0.3	100.0
Phenol	Ave	1.981	2.034	0.0100	51300	50000	2.7	20.0
Bis(2-chloroethyl)ether	Ave	1.425	1.496	0.0100	52500	50000	5.0	25.0
2-Chlorophenol	Ave	1.517	1.514	0.0100	49900	50000	-0.2	25.0
1,3-Dichlorobenzene	Ave	1.639	1.638	0.0100	50000	50000	-0.0	25.0
1,4-Dichlorobenzene	Ave	1.644	1.648	0.0100	50100	50000	0.3	20.0
Benzyl alcohol	Ave	0.9736	1.019	0.0100	52300	50000	4.6	100.0
1,2-Dichlorobenzene	Ave	1.533	1.557	0.0100	50800	50000	1.6	25.0
2-Methylphenol	Ave	1.344	1.323	0.0100	49200	50000	-1.5	25.0
bis (2-chloroisopropyl) ether	Ave	2.476	2.840	0.0100	57400	50000	14.7	25.0
N-Nitrosodi-n-propylamine	Ave	1.073	1.113	0.0500	51900	50000	3.8	25.0
4-Methylphenol	Ave	1.408	1.426	0.0100	50600	50000	1.3	25.0
Hexachloroethane	Ave	0.6745	0.6637	0.0100	49200	50000	-1.6	25.0
Nitrobenzene	Ave	0.4115	0.4221	0.0100	51300	50000	2.6	25.0
Isophorone	Ave	0.7106	0.7327	0.0100	51600	50000	3.1	25.0
2-Nitrophenol	Ave	0.1818	0.1945	0.0100	53500	50000	7.0	20.0
2,4-Dimethylphenol	Ave	0.4060	0.3970	0.0100	48900	50000	-2.2	25.0
Tetraethyl lead	Ave	0.1525	0.1291	0.0100	42300	50000	-15.3	40.0
Bis(2-chloroethoxy)methane	Ave	0.3962	0.4096	0.0100	51700	50000	3.4	25.0
2,4-Dichlorophenol	Ave	0.2940	0.2847	0.0100	48400	50000	-3.1	20.0
Benzoic acid	Ave	0.2874	0.3003	0.0100	157000	150000	4.5	25.0
1,2,4-Trichlorobenzene	Ave	0.3405	0.3294	0.0100	48400	50000	-3.3	25.0
Naphthalene	Ave	1.005	1.020	0.0100	50700	50000	1.5	25.0
4-Chloroaniline	Ave	0.4220	0.4224	0.0100	50000	50000	0.0	25.0
Hexachlorobutadiene	Ave	0.2056	0.1901	0.0100	46200	50000	-7.6	20.0
4-Chloro-3-methylphenol	Ave	0.3448	0.3404	0.0100	49400	50000	-1.3	20.0
2-Methylnaphthalene	Ave	0.6412	0.6483	0.0100	50600	50000	1.1	25.0
Hexachlorocyclopentadiene	Ave	0.3865	0.3658	0.0500	47300	50000	-5.4	25.0
2,4,6-Trichlorophenol	Ave	0.3457	0.3433	0.0100	49600	50000	-0.7	20.0
2,4,5-Trichlorophenol	Ave	0.3685	0.3702	0.0100	50200	50000	0.5	25.0
2-Chloronaphthalene	Ave	1.076	1.062	0.0100	49400	50000	-1.2	25.0
2-Nitroaniline	Ave	0.3941	0.4168	0.0100	52900	50000	5.8	25.0
Dimethyl phthalate	Ave	1.297	1.263	0.0100	48700	50000	-2.6	25.0
2,6-Dinitrotoluene	Ave	0.2758	0.2804	0.0100	50800	50000	1.7	25.0
Acenaphthylene	Ave	1.598	1.581	0.0100	49500	50000	-1.0	25.0
3-Nitroaniline	Ave	0.3129	0.3219	0.0100	51400	50000	2.9	25.0
Acenaphthene	Ave	1.095	1.044	0.0100	47700	50000	-4.7	20.0
2,4-Dinitrophenol	Lin1		0.1596	0.0500	50600	50000	1.2	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.: _____

Lab Sample ID: CCVIS 480-18006/2 Calibration Date: 05/31/2011 07:47

Instrument ID: HP5973W Calib Start Date: 05/23/2011 11:37

GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 05/23/2011 13:59

Lab File ID: W0471.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Nitrophenol	Ave	0.2557	0.2382	0.0500	46600	50000	-6.8	25.0
2,4-Dinitrotoluene	Ave	0.3885	0.3874	0.0100	49900	50000	-0.3	25.0
Dibenzofuran	Ave	1.515	1.461	0.0100	48200	50000	-3.6	25.0
Diethyl phthalate	Ave	1.242	1.215	0.0100	48900	50000	-2.1	25.0
Fluorene	Ave	1.223	1.190	0.0100	48700	50000	-2.7	25.0
4-Chlorophenyl phenyl ether	Ave	0.6672	0.6335	0.0100	47500	50000	-5.1	25.0
4-Nitroaniline	Ave	0.3200	0.3117	0.0100	48700	50000	-2.6	25.0
4,6-Dinitro-2-methylphenol	Ave	0.1355	0.1444	0.0100	53300	50000	6.6	25.0
N-Nitrosodiphenylamine	Ave	0.4915	0.4953	0.0100	50400	50000	0.8	20.0
1,2-Diphenylhydrazine	Ave	1.294	1.320	0.0100	51000	50000	1.9	25.0
4-Bromophenyl phenyl ether	Ave	0.2073	0.2098	0.0100	50600	50000	1.2	25.0
Hexachlorobenzene	Ave	0.2186	0.2102	0.0100	48100	50000	-3.9	25.0
Pentachlorophenol	Lin1		0.1224	0.0100	52700	50000	5.4	20.0
Phenanthrene	Ave	1.122	1.109	0.0100	49400	50000	-1.1	25.0
Anthracene	Ave	1.123	1.129	0.0100	50300	50000	0.6	25.0
Carbazole	Ave	0.9802	0.997	0.0100	50900	50000	1.7	25.0
Di-n-butyl phthalate	Ave	1.166	1.254	0.0100	53800	50000	7.6	25.0
Fluoranthene	Ave	1.274	1.284	0.0100	50400	50000	0.8	20.0
Benzidine	Ave	0.6427	0.6011	0.0100	46800	50000	-6.5	25.0
Pyrene	Ave	1.284	1.300	0.0100	50600	50000	1.2	25.0
Butyl benzyl phthalate	Ave	0.5569	0.6005	0.0100	53900	50000	7.8	25.0
3,3'-Dichlorobenzidine	Ave	0.4174	0.4280	0.0100	51300	50000	2.5	25.0
Benz(a)anthracene	Ave	1.142	1.153	0.0100	50500	50000	1.0	25.0
Bis(2-ethylhexyl) phthalate	Ave	0.7594	0.8313	0.0100	54700	50000	9.5	25.0
Chrysene	Ave	1.127	1.119	0.0100	49600	50000	-0.7	25.0
Di-n-octyl phthalate	Ave	1.268	1.460	0.0100	57500	50000	15.1	20.0
Benzo(b)fluoranthene	Ave	1.145	1.309	0.0100	57100	50000	14.3	25.0
Benzo(k)fluoranthene	Ave	1.234	1.189	0.0100	48200	50000	-3.6	25.0
Benzo(a)pyrene	Ave	0.9832	1.019	0.0100	51800	50000	3.7	20.0
Indeno(1,2,3-c,d)pyrene	Ave	1.205	1.204	0.0100	50000	50000	-0.0	25.0
Dibenz(a,h)anthracene	Ave	0.9883	0.996	0.0100	50400	50000	0.8	25.0
Benzo(g,h,i)perylene	Ave	1.023	1.026	0.0100	50100	50000	0.2	25.0
2-Fluorophenol	Ave	1.468	1.529	0.0100	52100	50000	4.1	25.0
Phenol-d5	Ave	1.683	1.730	0.0100	51400	50000	2.8	25.0
Nitrobenzene-d5	Ave	0.3960	0.4091	0.0100	51700	50000	3.3	25.0
2-Fluorobiphenyl	Ave	1.193	1.147	0.0100	48100	50000	-3.8	25.0
2,4,6-Tribromophenol	Ave	0.0956	0.0934	0.0100	48900	50000	-2.2	25.0
p-Terphenyl-d14	Ave	0.8345	0.8325	0.0100	49900	50000	-0.2	25.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20110531-3546.b\W0471.D
 Lims ID: CCVIS - 8270 Client ID:
 Inject. Date: 31-May-2011 07:47:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: CCVIS
 Misc. Info.: CCVIS - 8270 =CCVIS - 8270
 Operator: MKP Instrument ID: HP5973W
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 18006 Lims Sample ID: 2
 Sublist: chrom-W-8270*sub11
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973W\20110531-3546.b\W-8270.m
 Last Update: 31-May-2011 11:20:57 Calib Date: 23-May-2011 17:08:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973W\20110523-3373.b\W0277.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: pagem

Date: 31-May-2011 11:20:57

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.318	5.318	0.0	76	156836	40.0	
* 2 Naphthalene-d8	136	7.070	7.070	0.0	93	624518	40.0	
* 3 Acenaphthene-d10	164	9.341	9.341	0.0	96	367408	40.0	
* 4 Phenanthrene-d10	188	11.093	11.093	0.0	94	607674	40.0	
* 5 Chrysene-d12	240	13.566	13.566	0.0	87	604714	40.0	
* 6 Perylene-d12	264	14.736	14.736	0.0	96	596552	40.0	
\$ 7 2-Fluorophenol	112	3.347	3.347	0.0	89	299711	52.1	
\$ 8 Phenol-d5	99	4.853	4.853	0.0	82	339093	51.4	
\$ 9 Nitrobenzene-d5	82	6.098	6.098	0.0	89	319364	51.7	
\$ 10 2-Fluorobiphenyl	172	8.502	8.502	0.0	99	526972	48.1	
\$ 11 2,4,6-Tribromophenol	330	10.324	10.324	0.0	94	70950	48.9	
\$ 12 p-Terphenyl-d14	244	12.648	12.648	0.0	99	629280	49.9	
53 N-Nitrosodimethylamine	42	1.520	1.520	0.0	82	225792	55.4	
52 Pyridine	52	1.573	1.573	0.0	75	421110	56.2	
69 Aniline	93	4.843	4.843	0.0	84	443154	49.8	
72 Phenol	94	4.869	4.869	0.0	92	398810	51.3	M
74 Bis(2-chloroethyl)ether	93	4.955	4.955	0.0	90	293233	52.5	
75 2-Chlorophenol	128	5.024	5.024	0.0	90	296890	49.9	
78 1,3-Dichlorobenzene	146	5.238	5.238	0.0	94	321119	50.0	
77 1,4-Dichlorobenzene	146	5.345	5.345	0.0	75	323172	50.1	
79 Benzyl alcohol	108	5.542	5.542	0.0	79	199704	52.3	
73 1,2-Dichlorobenzene	146	5.558	5.558	0.0	70	305338	50.8	
82 2-Methylphenol	108	5.740	5.740	0.0	92	259348	49.2	
83 2,2'-oxybis[1-chloropropane]	45	5.751	5.751	0.0	91	556780	57.4	
87 N-Nitrosodi-n-propylamine	70	5.927	5.927	0.0	93	218276	51.9	
88 4-Methylphenol	108	5.964	5.964	0.0	93	279488	50.6	
89 Hexachloroethane	117	6.034	6.034	0.0	95	130116	49.2	
85 Nitrobenzene	77	6.125	6.125	0.0	90	329527	51.3	
94 Isophorone	82	6.467	6.467	0.0	95	571940	51.6	
97 2-Nitrophenol	139	6.568	6.568	0.0	95	151830	53.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
99 2,4-Dimethylphenol	107	6.686	6.686	0.0	97	309935	48.9	
101 Tetraethyl lead	237	6.734	6.734	0.0	92	100792	42.3	
103 Bis(2-chloroethoxy)methane	93	6.792	6.792	0.0	95	319786	51.7	
106 2,4-Dichlorophenol	162	6.910	6.910	0.0	97	222254	48.4	
105 Benzoic acid	105	6.915	6.915	0.0	87	703228	156.7	
100 1,2,4-Trichlorobenzene	180	7.011	7.011	0.0	92	257145	48.4	
107 Naphthalene	128	7.097	7.097	0.0	98	796137	50.7	
108 4-Chloroaniline	127	7.193	7.193	0.0	82	329728	50.0	
110 Hexachlorobutadiene	225	7.305	7.305	0.0	93	148373	46.2	
117 4-Chloro-3-methylphenol	107	7.872	7.872	0.0	94	265738	49.4	
121 2-Methylnaphthalene	142	8.016	8.016	0.0	82	506051	50.6	
125 Hexachlorocyclopentadiene	237	8.246	8.246	0.0	97	168017	47.3	
127 2,4,6-Trichlorophenol	196	8.400	8.400	0.0	89	157652	49.6	
129 2,4,5-Trichlorophenol	196	8.443	8.443	0.0	92	170031	50.2	
131 2-Chloronaphthalene	162	8.636	8.636	0.0	99	487881	49.4	
132 2-Nitroaniline	65	8.774	8.774	0.0	68	191411	52.9	
134 Dimethyl phthalate	163	9.036	9.036	0.0	97	579973	48.7	
135 2,6-Dinitrotoluene	165	9.095	9.095	0.0	87	128767	50.8	
137 Acenaphthylene	152	9.159	9.159	0.0	91	726049	49.5	
140 3-Nitroaniline	138	9.303	9.303	0.0	88	147846	51.4	
141 Acenaphthene	153	9.383	9.383	0.0	92	479248	47.7	
142 2,4-Dinitrophenol	184	9.432	9.432	0.0	76	73292	50.6	
143 4-Nitrophenol	109	9.565	9.565	0.0	93	109405	46.6	
145 Dibenzofuran	168	9.602	9.602	0.0	85	670974	48.2	
144 2,4-Dinitrotoluene	165	9.602	9.602	0.0	68	177936	49.9	
149 Diethyl phthalate	149	9.939	9.939	0.0	96	558079	48.9	
151 Fluorene	166	10.035	10.035	0.0	55	546341	48.7	
152 4-Chlorophenyl phenyl ether	204	10.051	10.051	0.0	90	290923	47.5	
153 4-Nitroaniline	138	10.067	10.067	0.0	62	143155	48.7	
154 4,6-Dinitro-2-methylphenol	198	10.110	10.110	0.0	77	109695	53.3	
157 N-Nitrosodiphenylamine	169	10.195	10.195	0.0	97	376195	50.4	
159 1,2-Diphenylhydrazine	77	10.238	10.238	0.0	93	606029	51.0	
164 4-Bromophenyl phenyl ether	248	10.617	10.617	0.0	93	159385	50.6	
168 Hexachlorobenzene	284	10.687	10.687	0.0	89	159666	48.1	
172 Pentachlorophenol	266	10.911	10.911	0.0	84	92981	52.7	
177 Phenanthrene	178	11.114	11.114	0.0	96	842540	49.4	
180 Anthracene	178	11.168	11.168	0.0	96	857950	50.3	
181 Carbazole	167	11.344	11.344	0.0	83	757541	50.9	
184 Di-n-butyl phthalate	149	11.729	11.729	0.0	100	952552	53.8	
191 Fluoranthene	202	12.295	12.295	0.0	96	975105	50.4	
192 Benzidine	184	12.418	12.418	0.0	97	454356	46.8	
193 Pyrene	202	12.498	12.498	0.0	98	982458	50.6	
201 3,3'-Dimethylbenzidine	212		13.070					
200 Butyl benzyl phthalate	149	13.086	13.086	0.0	93	453884	53.9	
204 3,3'-Dichlorobenzidine	252	13.534	13.534	0.0	93	323521	51.3	
205 Benzo[a]anthracene	228	13.561	13.561	0.0	90	871835	50.5	
206 Bis(2-ethylhexyl) phthalate	149	13.582	13.582	0.0	95	628333	54.7	
207 Chrysene	228	13.588	13.588	0.0	94	845782	49.6	
208 Di-n-octyl phthalate	149	14.090	14.090	0.0	99	1103440	57.5	
209 Benzo[b]fluoranthene	252	14.421	14.421	0.0	93	975962	57.1	
211 Benzo[k]fluoranthene	252	14.448	14.448	0.0	94	886937	48.2	
213 Benzo[a]pyrene	252	14.688	14.688	0.0	98	760086	51.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
215 Indeno[1,2,3-cd]pyrene	276	15.703	15.703	0.0	95	897918	50.0	
216 Dibenz(a,h)anthracene	278	15.714	15.714	0.0	52	742633	50.4	
217 Benzo[g,h,i]perylene	276	15.981	15.981	0.0	90	765003	50.1	
S 218 3 & 4 Methylphenol	108				0		50.6	
S 219 3-Methylphenol	1				0		50.6	
S 220 Total Cresols	1				0		99.9	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 31-May-2011 11:20:57

Data File:

\\Bufchrom\ChromData\HP5973W20110531-3546.b\W0471.D

Chrom Revision: 1.2 17-May-2011 14:46:34

Injection Date:

31-May-2011 07:47:30

Limit Group:

MB - 8270C ICAL

Client ID:

18006

Instrument ID:

HP5973W

Lims Batch ID:

2

Lims Sample ID:

Operator ID:

MKP

Injection Vol:

1.00 ul

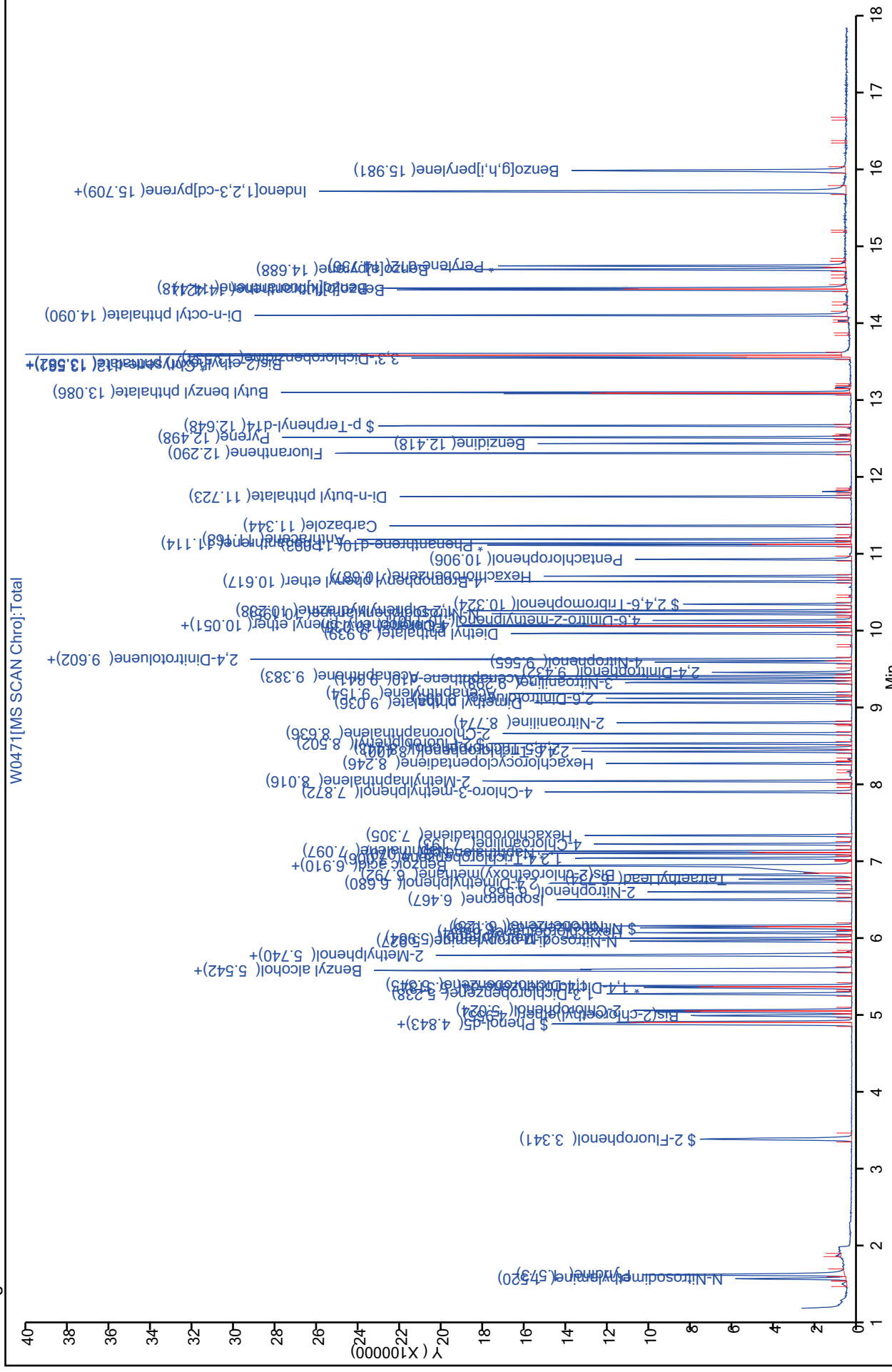
Column Type:

RXI-5Sil MS

Column Dia:

0.25 mm

Y Scaling:

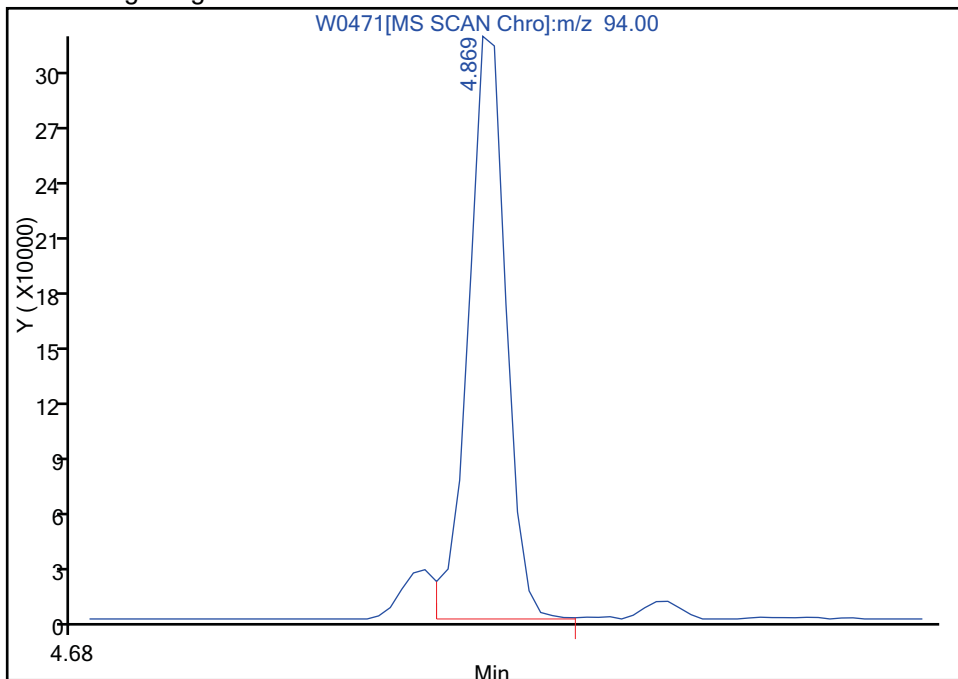


Data File: \\Bufchrom\ChromData\HP5973W\20110531-3546.b\W0471.D
Injection Date: 31-May-2011 07:47:30 Limit Group: MB - 8270C ICAL
Client ID: Instrument ID: HP5973W
Lims Batch ID: 18006 Lims Sample ID: 2
Operator ID: MKP Injection Vol: 1.00 ul
Column Type: RXI-5Sil MS Column Dia: 0.25 mm

72 Phenol, Signal: 1, m/z: 94.0 Type: quant, RT: 4.87

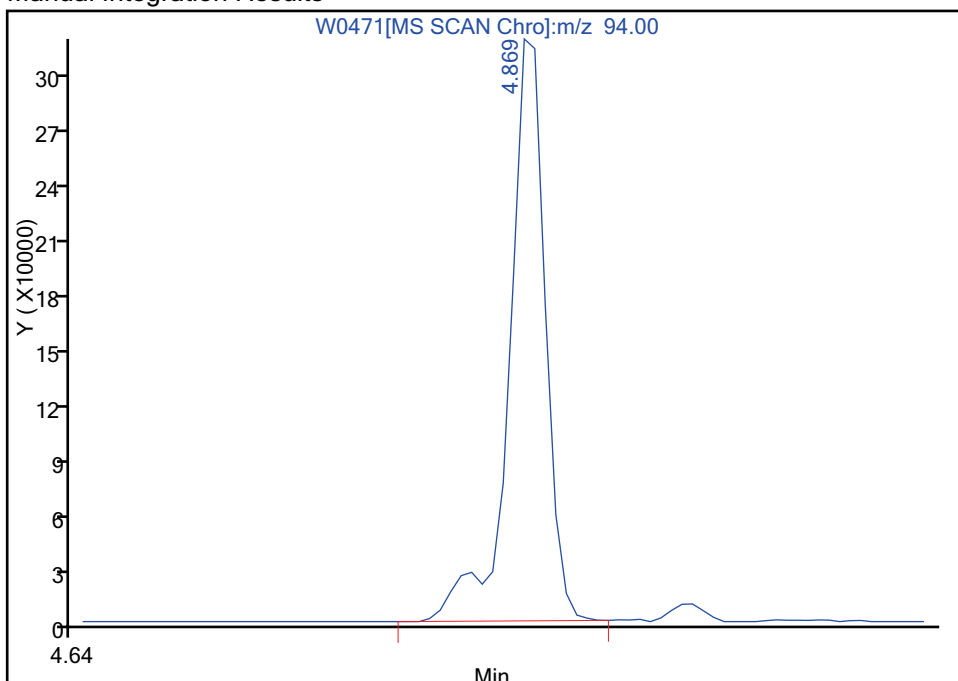
RT: 4.87
Response: 376995
Amount: 48.531177

Processing Integration Results



RT: 4.87
Response: 398810
Amount: 51.339457

Manual Integration Results



Reviewer: pagem, 31-May-2011 08:14:00
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110524-3425.b\V0588.D
Lims ID: DFTPP Client ID:
Inject. Date: 25-May-2011 08:22:30 Dil. Factor: 1.0000
Sample Type: DFTPP
Sample ID: 480-0003405-001
Misc. Info.: DFTPP
Operator: MKP Instrument ID: HP5973V
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 17360 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973V\20110524-3425.b\V-8270.m
Last Update: 26-May-2011 10:41:51 Calib Date: 25-May-2011 14:48:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973V\20110524-3425.b\V0604.D
Limit Group: MB - 8270C ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-16

First Level Reviewer: pagem

Date: 26-May-2011 09:20:32

Second Level Reviewer: gonzalezj

Date: 26-May-2011 10:41:51

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
108 Pentachlorophenol_T	266	6.911	6.911	0.0	84	81662	0	
114 DFTPP								
134 4,4'-DDE	246		8.033					
130 Benzidine_T	184	8.327	8.327	0.0	97	559557	0	
137 4,4'-DDD	235		8.797					
141 4,4'-DDT	235	9.048	9.048	0.0	94	270062	0	

Data File: \\Bufchrom\ChromData\HP5973V\20110524-3425.b\V0588.D

Injection Date: 25-May-2011 08:22:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973V

Lims Batch ID: 17360

Lims Sample ID: 1

Operator ID: MKP

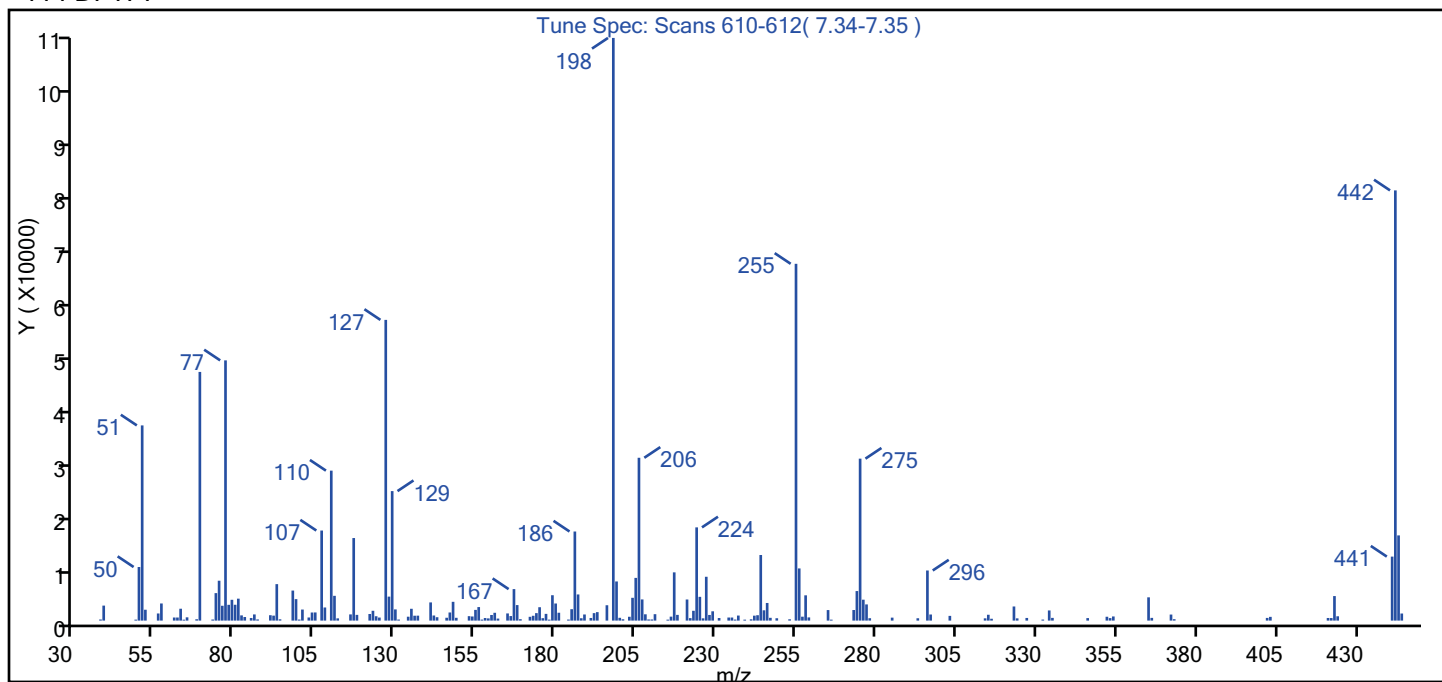
Injection Vol: 1.00 ul

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	33.50
68	Less than 2.00% of mass 69	0.23 (0.54)
69	Present	42.68
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	51.61
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.72
275	10.00 - 30.00% of mass 198	27.79
365	Greater than 1.00% of mass 198	3.99
441	Present, but less than mass 443%	10.98 (75.11)
442	Greater than 40.00% of mass 198	73.83
443	17.00 - 23.00% of mass 442	14.62 (19.80)

Data File: \\Bufchrom\ChromData\HP5973V\20110524-3425.b\V0588.D\V-8270.rslt\spectra.d
Injection Date: 25-May-2011 08:22:30
Spectrum: Tune Spec: Scans 610-612(7.34-7.35)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 189

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	202	122.00	1203	187.00	4763	255.00	65000
39.00	2731	123.00	1789	188.00	429	256.00	9504
49.00	176	124.00	794	189.00	1115	257.00	713
50.00	9762	125.00	553	191.00	478	258.00	4605
51.00	35560	127.00	54784	192.00	1362	259.00	582
52.00	1979	128.00	4368	193.00	1544	265.00	1918
56.00	1298	129.00	23592	196.00	2798	266.00	172
57.00	3120	130.00	2039	198.00	106152	273.00	1928
61.00	563	131.00	192	199.00	7131	274.00	5381
62.00	562	134.00	710	200.00	509	275.00	29504
63.00	2163	135.00	2154	201.00	242	276.00	3808
64.00	170	136.00	890	203.00	699	277.00	2948
65.00	596	137.00	900	204.00	4153	278.00	436
68.00	245	141.00	3313	205.00	7780	285.00	540
69.00	45304	142.00	928	206.00	29664	293.00	427
73.00	196	143.00	615	207.00	3855	296.00	9129
74.00	5007	146.00	519	208.00	1149	297.00	1111
75.00	7265	147.00	1479	209.00	208	303.00	859
76.00	2701	148.00	3422	210.00	205	314.00	412
77.00	47408	149.00	511	211.00	1169	315.00	1065
78.00	2875	153.00	807	215.00	174	316.00	338
79.00	3790	154.00	750	216.00	720	323.00	2572
80.00	2886	155.00	1950	217.00	8788	324.00	408
81.00	3996	156.00	2464	218.00	1042	327.00	483
82.00	950	157.00	183	221.00	3845	332.00	188
83.00	651	158.00	470	222.00	450	334.00	1849
85.00	476	159.00	402	223.00	1787	335.00	495
86.00	1125	160.00	1022	224.00	16984	346.00	457
87.00	214	161.00	1422	225.00	4328	352.00	702
91.00	981	162.00	370	226.00	413	353.00	456
92.00	903	165.00	1305	227.00	7985	354.00	754
93.00	6643	166.00	828	228.00	1028	365.00	4239
94.00	235	167.00	5737	229.00	1694	366.00	496

Report Date: 26-May-2011 10:41:51

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973V\20110524-3425.b\V0588.D\V-8270.rslt\spectra.d

Injection Date: 25-May-2011 08:22:30

Spectrum: Tune Spec: Scans 610-612(7.34-7.35)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 189

m/z	Y	m/z	Y	m/z	Y	m/z	Y
98.00	5472	168.00	2827	231.00	469	372.00	1102
99.00	3912	169.00	255	234.00	560	373.00	255
100.00	191	172.00	692	235.00	560	402.00	488
101.00	2014	173.00	877	236.00	190	403.00	682
103.00	566	174.00	1362	237.00	919	421.00	477
104.00	1475	175.00	2438	239.00	172	422.00	463
105.00	1484	176.00	441	241.00	236	423.00	4469
107.00	16408	177.00	1225	242.00	899	424.00	787
108.00	2389	178.00	177	243.00	981	441.00	11658
110.00	27320	179.00	4623	244.00	11949	442.00	78376
111.00	4513	180.00	3116	245.00	1876	443.00	15522
112.00	408	181.00	1433	246.00	3209	444.00	1290
116.00	1129	184.00	191	247.00	506		
117.00	15041	185.00	2079	249.00	430		
118.00	1044	186.00	16231	253.00	240		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110526-3474.b\V0647.D
Lims ID: DFTPP Client ID:
Inject. Date: 26-May-2011 08:40:30 Dil. Factor: 1.0000
Sample Type: DFTPP
Sample ID: DFTPP
Misc. Info.: DFTPP
Operator: MKP Instrument ID: HP5973V
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 17611 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973V\20110526-3474.b\V-8270.m
Last Update: 26-May-2011 13:20:25 Calib Date: 25-May-2011 14:48:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973V\20110524-3425.b\V0604.D
Limit Group: MB - 8270C ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 26-May-2011 13:20:25

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
108 Pentachlorophenol_T	266	6.895	6.895	0.0	86	111948	0	
114 DFTPP								
134 4,4'-DDE	246		8.033					
130 Benzidine_T	184	8.311	8.311	0.0	97	731004	0	
137 4,4'-DDD	235	8.770	8.770	0.0	1	1079	0	
141 4,4'-DDT	235	9.032	9.032	0.0	95	383353	0	

Data File: \\Bufchrom\ChromData\HP5973V\20110526-3474.b\V0647.D

Injection Date: 26-May-2011 08:40:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973V

Lims Batch ID: 17611

Lims Sample ID: 1

Operator ID: MKP

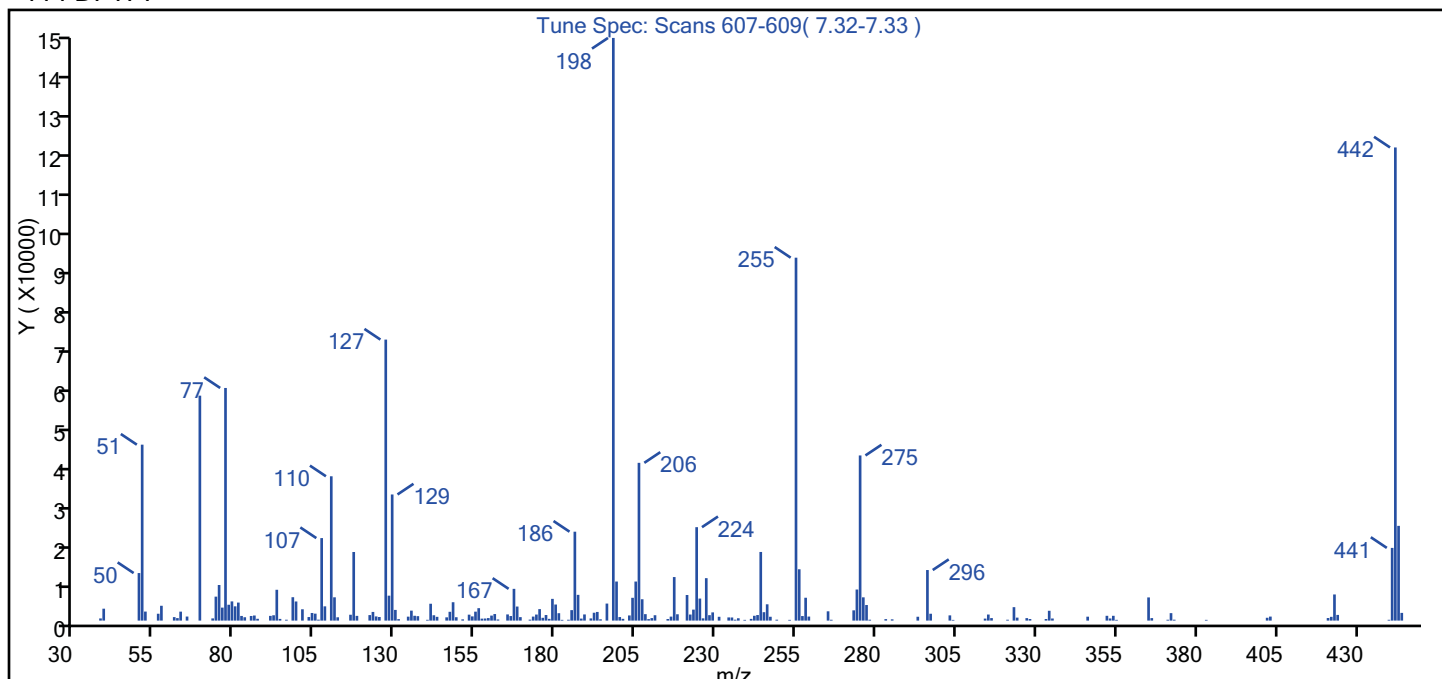
Injection Vol: 1.00 ul

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	30.19
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	38.60
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	48.23
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.71
275	10.00 - 30.00% of mass 198	28.34
365	Greater than 1.00% of mass 198	3.98
441	Present, but less than mass 443%	12.48 (76.74)
442	Greater than 40.00% of mass 198	81.20
443	17.00 - 23.00% of mass 442	16.26 (20.02)

Data File: \\Bufchrom\ChromData\HP5973V\20110526-3474.b\V0647.D\V-8270.rslt\spectra.d
Injection Date: 26-May-2011 08:40:30
Spectrum: Tune Spec: Scans 607-609(7.32-7.33)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 199

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	529	127.00	68552	191.00	531	259.00	984
39.00	2905	128.00	6082	192.00	1920	265.00	2267
50.00	11598	129.00	30768	193.00	2112	266.00	204
51.00	42920	130.00	2606	194.00	317	273.00	2504
52.00	2202	131.00	361	196.00	4154	274.00	7582
56.00	1674	134.00	963	198.00	142144	275.00	40288
57.00	3617	135.00	2430	199.00	9532	276.00	5675
61.00	850	136.00	1177	200.00	864	277.00	3802
62.00	608	137.00	1083	201.00	430	278.00	215
63.00	2187	140.00	194	203.00	1255	283.00	361
65.00	988	141.00	4112	204.00	5561	285.00	306
69.00	54872	142.00	1304	205.00	9528	293.00	939
73.00	537	143.00	916	206.00	38488	296.00	12336
74.00	5844	146.00	796	207.00	5209	297.00	1673
75.00	8683	147.00	2147	208.00	1575	303.00	1275
76.00	3168	148.00	4481	209.00	365	304.00	170
77.00	56752	149.00	823	210.00	611	314.00	488
78.00	3867	151.00	303	211.00	1310	315.00	1480
79.00	4683	153.00	1448	215.00	384	316.00	614
80.00	3480	154.00	1025	216.00	973	321.00	214
81.00	4396	155.00	2182	217.00	10621	323.00	3277
82.00	1136	156.00	3031	218.00	1544	324.00	725
83.00	817	157.00	480	221.00	6243	327.00	603
85.00	1125	158.00	510	222.00	1481	328.00	389
86.00	1243	159.00	615	223.00	2678	333.00	384
87.00	442	160.00	1223	224.00	22792	334.00	2396
91.00	1151	161.00	1599	225.00	5376	335.00	513
92.00	1301	162.00	277	226.00	550	346.00	955
93.00	7518	165.00	1507	227.00	10351	352.00	1169
94.00	413	166.00	1114	228.00	1327	353.00	524
96.00	214	167.00	7746	229.00	2004	354.00	1170
98.00	5705	168.00	3429	231.00	929	355.00	184
99.00	4665	169.00	848	234.00	774	365.00	5653

Report Date: 26-May-2011 13:20:25

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973V\20110526-3474.b\V0647.D\V-8270.rslt\spectra.d

Injection Date: 26-May-2011 08:40:30

Spectrum: Tune Spec: Scans 607-609(7.32-7.33)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 199

m/z	Y	m/z	Y	m/z	Y	m/z	Y
101.00	2765	172.00	234	235.00	760	366.00	610
103.00	866	173.00	980	236.00	223	371.00	211
104.00	1857	174.00	1476	237.00	571	372.00	1819
105.00	1694	175.00	2802	239.00	178	373.00	221
106.00	230	176.00	683	241.00	420	383.00	182
107.00	20128	177.00	1361	242.00	1175	402.00	691
108.00	3477	178.00	425	243.00	1357	403.00	980
110.00	35208	179.00	5302	244.00	16744	421.00	627
111.00	5683	180.00	3923	245.00	2052	422.00	918
112.00	806	181.00	1805	246.00	3976	423.00	6376
116.00	1431	182.00	181	247.00	936	424.00	1388
117.00	16736	184.00	209	249.00	221	440.00	198
118.00	1153	185.00	2555	253.00	179	441.00	17736
122.00	1343	186.00	21688	255.00	88536	442.00	115424
123.00	2114	187.00	6281	256.00	12521	443.00	23112
124.00	1015	188.00	490	257.00	1109	444.00	1882
125.00	876	189.00	1504	258.00	5576		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110527-3502.b\V0692.D
Lims ID: DFTPP Client ID:
Inject. Date: 27-May-2011 07:53:30 Dil. Factor: 1.0000
Sample Type: DFTPP
Sample ID: 480-0003502-001
Misc. Info.: DFTPP
Operator: MKP Instrument ID: HP5973V
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 17775 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973V\20110527-3502.b\V-8270.m
Last Update: 27-May-2011 16:25:45 Calib Date: 25-May-2011 14:48:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973V\20110524-3425.b\V0604.D
Limit Group: MB - 8270C ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 27-May-2011 16:25:45

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
108 Pentachlorophenol_T	266	6.879	6.879	0.0	83	48221	0	
114 DFTPP								
134 4,4'-DDE	246		8.033					
130 Benzidine_T	184	8.289	8.289	0.0	83	318664	0	
137 4,4'-DDD	235		8.797					
141 4,4'-DDT	235	9.011	9.011	0.0	76	164555	0	

Data File: \\Bufchrom\ChromData\HP5973V\20110527-3502.b\V0692.D

Injection Date: 27-May-2011 07:53:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973V

Lims Batch ID: 17775

Lims Sample ID: 1

Operator ID: MKP

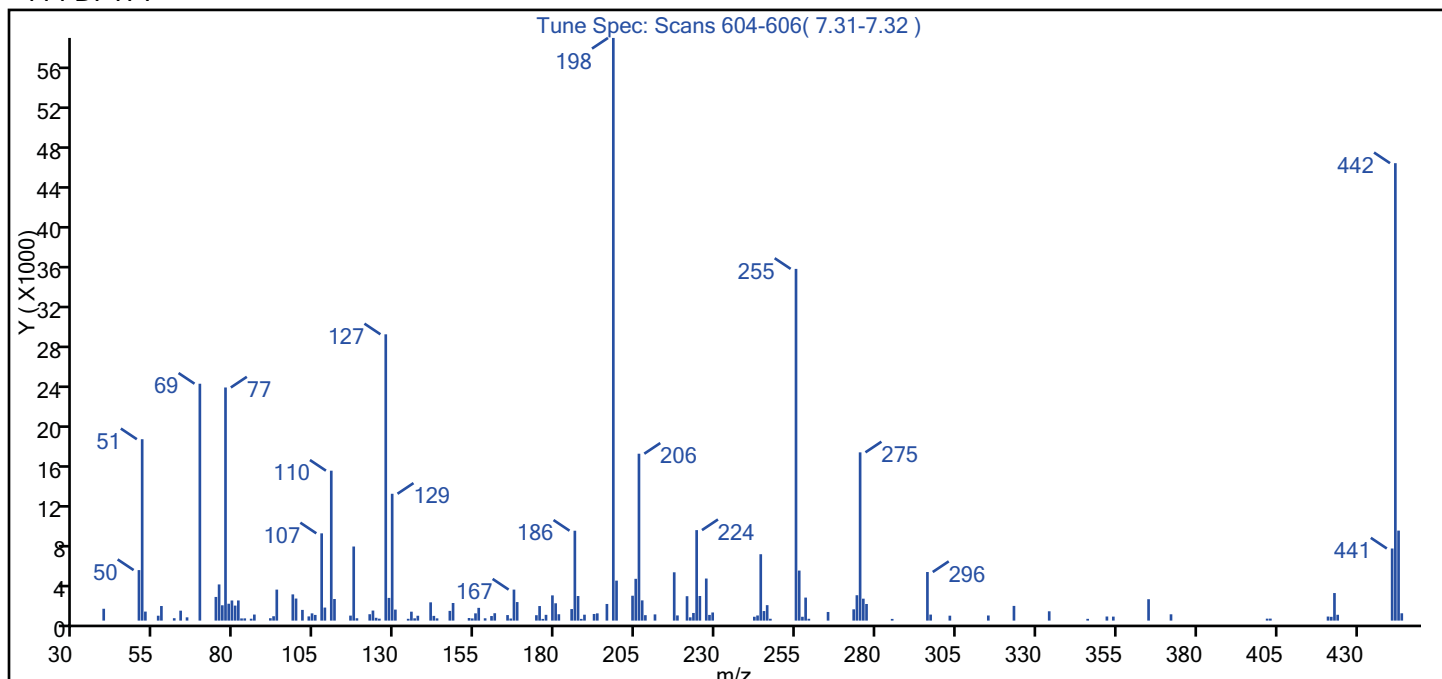
Injection Vol: 1.00 ul

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	31.13
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	40.65
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	49.13
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.86
275	10.00 - 30.00% of mass 198	28.88
365	Greater than 1.00% of mass 198	3.67
441	Present, but less than mass 443%	12.37 (80.11)
442	Greater than 40.00% of mass 198	78.50
443	17.00 - 23.00% of mass 442	15.45 (19.68)

Data File: \\Bufchrom\ChromData\HP5973V\20110527-3502.b\V0692.D\V-8270.rslt\spectra.d
Injection Date: 27-May-2011 07:53:30
Spectrum: Tune Spec: Scans 604-606(7.31-7.32)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 138

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	1183	116.00	498	179.00	2520	255.00	35136
50.00	5046	117.00	7401	180.00	1732	256.00	4998
51.00	18120	118.00	235	181.00	635	257.00	382
52.00	900	122.00	637	185.00	1154	258.00	2300
56.00	488	123.00	1003	186.00	8979	259.00	182
57.00	1457	124.00	280	187.00	2456	265.00	862
61.00	240	125.00	194	188.00	170	273.00	1128
63.00	993	127.00	28600	189.00	590	274.00	2535
65.00	325	128.00	2266	192.00	662	275.00	16808
69.00	23664	129.00	12670	193.00	723	276.00	2190
74.00	2363	130.00	1099	196.00	1662	277.00	1659
75.00	3613	134.00	180	198.00	58208	285.00	169
76.00	1532	135.00	891	199.00	3993	296.00	4854
77.00	23288	136.00	228	204.00	2485	297.00	601
78.00	1685	137.00	485	205.00	4174	303.00	491
79.00	2011	141.00	1825	206.00	16672	315.00	510
80.00	1500	142.00	471	207.00	2020	323.00	1468
81.00	2013	143.00	225	208.00	543	334.00	931
82.00	218	147.00	971	211.00	621	346.00	176
83.00	222	148.00	1758	217.00	4826	352.00	409
85.00	189	153.00	259	218.00	517	354.00	399
86.00	606	154.00	217	221.00	2437	365.00	2137
91.00	238	155.00	725	222.00	327	372.00	630
92.00	436	156.00	1274	223.00	762	402.00	194
93.00	3096	158.00	232	224.00	9039	403.00	199
98.00	2619	160.00	457	225.00	2457	421.00	405
99.00	2203	161.00	737	227.00	4202	422.00	377
101.00	1069	165.00	553	228.00	567	423.00	2752
103.00	420	166.00	208	229.00	812	424.00	581
104.00	723	167.00	3097	242.00	384	441.00	7203
105.00	568	168.00	1853	243.00	512	442.00	45696
107.00	8717	174.00	539	244.00	6631	443.00	8991
108.00	1302	175.00	1454	245.00	955	444.00	731

Report Date: 27-May-2011 16:25:45

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973V\20110527-3502.b\V0692.D\V-8270.rslt\spectra.d

Injection Date: 27-May-2011 07:53:30

Spectrum: Tune Spec: Scans 604-606(7.31-7.32)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 138

m/z	Y	m/z	Y	m/z	Y	m/z	Y
110.00	14977	176.00	169	246.00	1543		
111.00	2157	177.00	576	247.00	184		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20110523-3373.b\W0260.D
Lims ID: DFTPP Client ID:
Inject. Date: 23-May-2011 09:31:30 Dil. Factor: 1.0000
Sample Type: DFTPP
Sample ID: DFTPP
Misc. Info.: DFTPP =DFTPP
Operator: KLP Instrument ID: HP5973W
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 17115 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973W\20110523-3373.b\W-8270.m
Last Update: 24-May-2011 10:44:20 Calib Date: 23-May-2011 17:08:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973W\20110523-3373.b\W0277.D
Limit Group: MB - 8270C ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 24-May-2011 10:43:18

Second Level Reviewer: pagem

Date: 24-May-2011 10:44:20

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
90 Pentachlorophenol_T	266	6.692	6.692	0.0	81	69274	0	
98 DFTPP								
112 Benzidine_T	184	8.097	8.097	0.0	98	788763	0	
118 4,4'-DDD	235	8.557	8.557	0.0	1	931	0	
126 4,4'-DDT	235	8.813	8.813	0.0	96	319590	0	
122 4,4'-DDE	246		9.160					

Data File: \\Bufchrom\ChromData\HP5973W\20110523-3373.b\W0260.D

Injection Date: 23-May-2011 09:31:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973W

Lims Batch ID: 17115

Lims Sample ID: 1

Operator ID: KLP

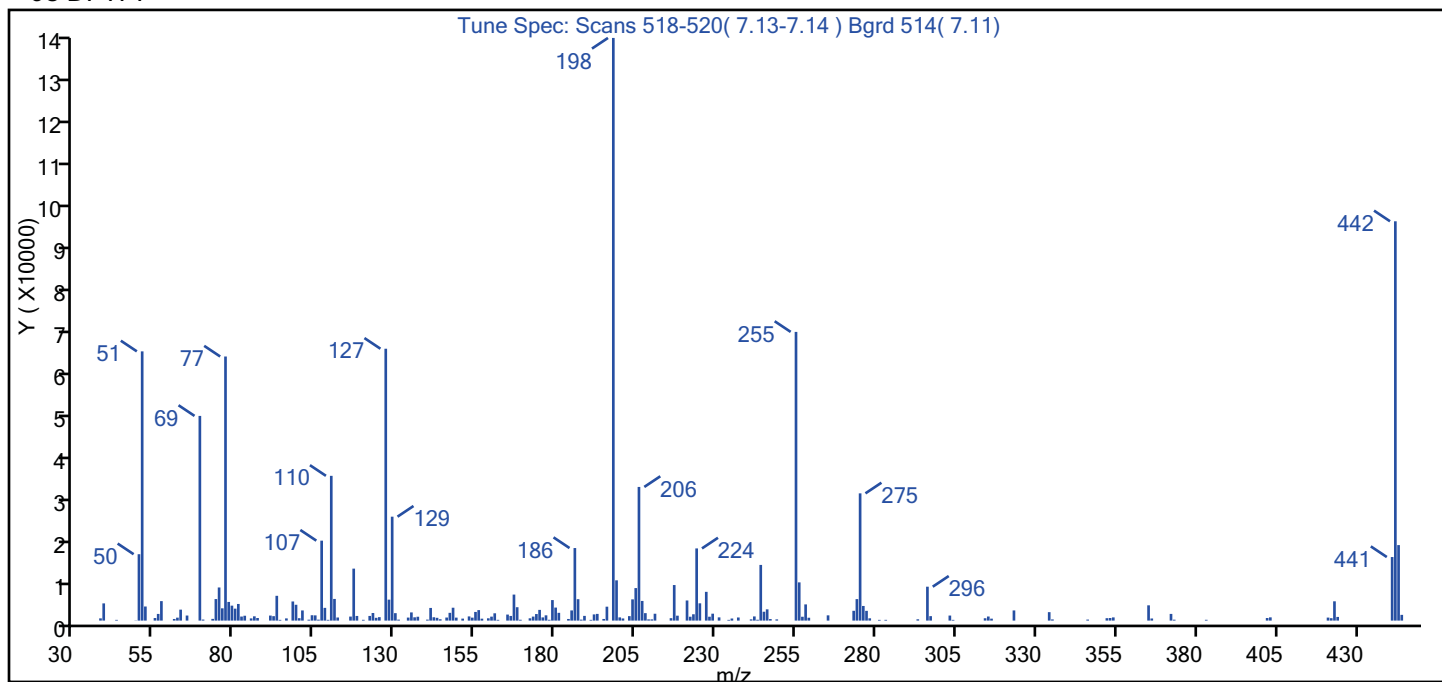
Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Tune Method: DFTPP Method 8270

98 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	46.21
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	35.13
70	Less than 2.00% of mass 69	0.18 (0.50)
127	40.00 - 60.00% of mass 198	46.66
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.91
275	10.00 - 30.00% of mass 198	21.84
365	Greater than 1.00% of mass 198	2.62
441	Present, but less than mass 443%	10.91 (84.17)
442	Greater than 40.00% of mass 198	68.53
443	17.00 - 23.00% of mass 442	12.96 (18.91)

Data File: \\Bufchrom\ChromData\HP5973W\20110523-3373.b\W0260.D\W-8270.rsl\spectra.d
Injection Date: 23-May-2011 09:31:30
Spectrum: Tune Spec: Scans 518-520(7.13-7.14) Bgrd 514(7.11)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 192

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	517	111.00	4995	177.00	1216	245.00	2044
39.00	3968	112.00	714	178.00	189	246.00	2597
43.00	170	116.00	928	179.00	4730	247.00	356
49.00	51	117.00	11982	180.00	3003	249.00	280
50.00	15304	118.00	1071	181.00	1791	255.00	66560
51.00	62072	120.00	184	184.00	375	256.00	8813
52.00	3251	122.00	1075	185.00	2345	257.00	888
55.00	591	123.00	1750	186.00	16728	258.00	3736
56.00	1539	124.00	643	187.00	4938	259.00	662
57.00	4491	125.00	794	188.00	226	265.00	1212
61.00	373	127.00	62680	189.00	1087	273.00	2259
62.00	679	128.00	4828	191.00	171	274.00	4955
63.00	2527	129.00	23960	192.00	1429	275.00	29336
65.00	1168	130.00	1716	193.00	1546	276.00	3374
69.00	47192	131.00	226	195.00	378	277.00	2246
70.00	238	134.00	697	196.00	3209	278.00	530
73.00	396	135.00	1889	198.00	134336	281.00	168
74.00	4966	136.00	759	199.00	9286	283.00	175
75.00	7637	137.00	890	200.00	740	293.00	302
76.00	2831	140.00	227	201.00	495	296.00	7817
77.00	60888	141.00	2919	203.00	1032	297.00	1028
78.00	4303	142.00	770	204.00	4896	303.00	1162
79.00	3447	143.00	641	205.00	7497	304.00	169
80.00	2757	144.00	310	206.00	30816	314.00	541
81.00	3836	146.00	705	207.00	4532	315.00	944
82.00	934	147.00	1790	208.00	1720	316.00	450
83.00	1120	148.00	2969	209.00	284	323.00	2345
84.00	10	149.00	687	210.00	283	334.00	1947
85.00	508	151.00	457	211.00	1582	335.00	273
86.00	985	153.00	966	216.00	559	346.00	235
87.00	600	154.00	684	217.00	8199	352.00	557
91.00	1160	155.00	1997	218.00	1134	353.00	597
92.00	1023	156.00	2418	221.00	4639	354.00	737

Report Date: 24-May-2011 10:44:21

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973W\20110523-3373.b\W0260.D\W-8270.rslt\spectra.d

Injection Date: 23-May-2011 09:31:30

Spectrum: Tune Spec: Scans 518-520(7.13-7.14) Bgrd 514(7.11)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 192

m/z	Y	m/z	Y	m/z	Y	m/z	Y
93.00	5714	157.00	444	222.00	893	365.00	3522
94.00	171	159.00	530	223.00	1461	366.00	488
96.00	508	160.00	914	224.00	16640	372.00	1541
98.00	4410	161.00	1683	225.00	3985	373.00	212
99.00	3649	162.00	178	227.00	6630	383.00	189
100.00	557	165.00	1391	228.00	895	402.00	595
101.00	2342	166.00	1073	229.00	1593	403.00	749
103.00	210	167.00	5999	231.00	745	421.00	694
104.00	1236	168.00	3084	234.00	168	422.00	555
105.00	1204	169.00	194	235.00	483	423.00	4447
106.00	221	172.00	532	237.00	720	424.00	847
107.00	18432	173.00	926	241.00	286	441.00	14653
108.00	2936	174.00	1512	242.00	961	442.00	92064
109.00	177	175.00	2472	243.00	197	443.00	17408
110.00	33376	176.00	739	244.00	12836	444.00	1323

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20110527-3501.b\W0436.D
 Lims ID: DFTPP Client ID:
 Inject. Date: 27-May-2011 07:45:30 Dil. Factor: 1.0000
 Sample Type: DFTPP
 Sample ID: DFTPP
 Misc. Info.: DFTPP =DFTPP
 Operator: MKP Instrument ID: HP5973W
 Vol. Injected: 1.0000 ALS Bottle#: 1
 Lims Batch ID: 17774 Lims Sample ID: 1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973W\20110527-3501.b\W-8270.m
 Last Update: 27-May-2011 17:18:34 Calib Date: 23-May-2011 17:08:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973W\20110523-3373.b\W0277.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 27-May-2011 17:18:34

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
90 Pentachlorophenol_T 98 DFTPP	266	6.447	6.447	0.0	83	127829	0	
112 Benzidine_T	184	7.868	7.868	0.0	85	963706	0	
118 4,4'-DDD	235	8.327	8.327	0.0	1	2043	0	
126 4,4'-DDT	235	8.589	8.589	0.0	75	377159	0	
122 4,4'-DDE	246		9.160					

Data File: \\Bufchrom\ChromData\HP5973W\20110527-3501.b\W0436.D

Injection Date: 27-May-2011 07:45:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973W

Lims Batch ID: 17774

Lims Sample ID: 1

Operator ID: MKP

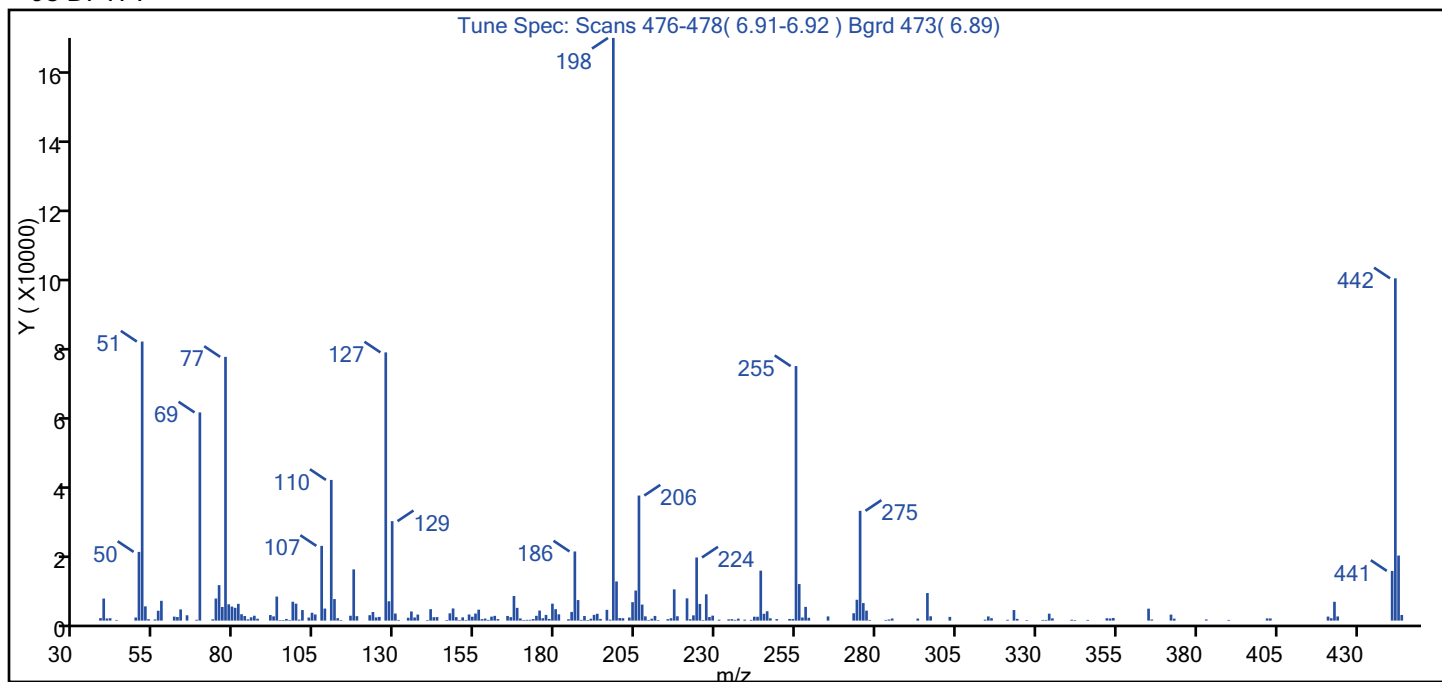
Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Tune Method: DFTPP Method 8270

98 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	47.89
68	Less than 2.00% of mass 69	0.14 (0.40)
69	Present	35.73
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	46.03
197	Less than 1.00% of mass 198	0.17
199	5.00 - 9.00% of mass 198	6.72
275	10.00 - 30.00% of mass 198	18.84
365	Greater than 1.00% of mass 198	2.05
441	Present, but less than mass 443%	8.53 (76.37)
442	Greater than 40.00% of mass 198	58.74
443	17.00 - 23.00% of mass 442	11.17 (19.01)

Data File: \\Bufchrom\ChromData\HP5973W\20110527-3501.b\W0436.D\W-8270.rsl\spectra.d
Injection Date: 27-May-2011 07:45:30
Spectrum: Tune Spec: Scans 476-478(6.91-6.92) Bgrd 473(6.89)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 216

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	718	116.00	1403	184.00	391	253.00	476
39.00	6363	117.00	14769	185.00	2505	254.00	449
40.00	618	118.00	1281	186.00	19944	255.00	73408
41.00	684	122.00	1560	187.00	5921	256.00	10542
43.00	186	123.00	2476	188.00	218	257.00	898
49.00	894	124.00	933	189.00	1322	258.00	3959
50.00	19816	125.00	1058	190.00	178	259.00	811
51.00	80488	127.00	77360	191.00	537	265.00	1208
52.00	4104	128.00	5571	192.00	1663	273.00	2116
53.00	405	129.00	28680	193.00	1972	274.00	6007
55.00	328	130.00	2046	194.00	484	275.00	31664
56.00	2849	131.00	186	196.00	3106	276.00	5063
57.00	5711	134.00	822	197.00	286	277.00	2873
61.00	1146	135.00	2633	198.00	168064	278.00	193
62.00	1035	136.00	901	199.00	11291	283.00	193
63.00	3227	137.00	1747	200.00	741	284.00	320
65.00	1539	140.00	181	201.00	691	285.00	604
68.00	242	141.00	3298	203.00	892	293.00	584
69.00	60048	142.00	986	204.00	5316	296.00	7949
73.00	363	143.00	1012	205.00	8669	297.00	1246
74.00	6366	146.00	177	206.00	36072	303.00	1073
75.00	10227	147.00	2101	207.00	4624	314.00	268
76.00	3931	148.00	3504	208.00	1226	315.00	1196
77.00	76072	149.00	999	209.00	182	316.00	691
78.00	4708	150.00	181	210.00	539	321.00	239
79.00	4051	151.00	933	211.00	1351	323.00	3047
80.00	3693	152.00	200	212.00	166	324.00	512
81.00	4836	153.00	1763	215.00	409	327.00	172
82.00	1841	154.00	1116	216.00	680	332.00	191
83.00	1328	155.00	2038	217.00	9011	333.00	205
84.00	374	156.00	3148	218.00	1257	334.00	1997
85.00	951	157.00	420	221.00	6421	335.00	653
86.00	1403	158.00	585	222.00	393	341.00	251

Report Date: 27-May-2011 17:18:34

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973W\20110527-3501.b\W0436.D\W-8270.rslt\spectra.d

Injection Date: 27-May-2011 07:45:30

Spectrum: Tune Spec: Scans 476-478(6.91-6.92) Bgrd 473(6.89)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 216

m/z	Y	m/z	Y	m/z	Y	m/z	Y
87.00	539	159.00	213	223.00	1515	342.00	168
91.00	1601	160.00	1144	224.00	18208	346.00	199
92.00	1226	161.00	1373	225.00	4808	352.00	682
93.00	6939	162.00	448	226.00	178	353.00	614
94.00	168	165.00	1338	227.00	7584	354.00	761
95.00	174	166.00	999	228.00	1029	365.00	3444
96.00	468	167.00	7103	229.00	1431	366.00	319
97.00	188	168.00	3670	231.00	267	372.00	1728
98.00	5439	169.00	632	234.00	363	373.00	561
99.00	4881	170.00	177	235.00	416	383.00	336
100.00	282	171.00	225	236.00	200	390.00	193
101.00	3044	172.00	240	237.00	570	402.00	632
103.00	877	173.00	452	239.00	278	403.00	626
104.00	2256	174.00	1385	241.00	216	421.00	1162
105.00	1766	175.00	2893	242.00	1119	422.00	679
107.00	21552	176.00	690	243.00	1109	423.00	5427
108.00	3466	177.00	1641	244.00	14408	424.00	1197
110.00	40576	178.00	489	245.00	1972	441.00	14333
111.00	6209	179.00	4888	246.00	2693	442.00	98728
112.00	700	180.00	3290	247.00	663	443.00	18768
113.00	183	181.00	1809	249.00	432	444.00	1623

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20110531-3546.b\W0470.D
Lims ID: DFTPP Client ID:
Inject. Date: 31-May-2011 07:31:30 Dil. Factor: 1.0000
Sample Type: DFTPP
Sample ID: DFTPP
Misc. Info.: DFTPP =DFTPP
Operator: MKP Instrument ID: HP5973W
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 18006 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973W\20110531-3546.b\W-8270.m
Last Update: 31-May-2011 11:20:54 Calib Date: 23-May-2011 17:08:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973W\20110523-3373.b\W0277.D
Limit Group: MB - 8270C ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-16

First Level Reviewer: pagem

Date: 31-May-2011 11:20:54

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
90 Pentachlorophenol_T 98 DFTPP	266	6.377	6.377	0.0	85	95292	0	
112 Benzidine_T	184	7.793	7.793	0.0	99	923655	0	
118 4,4'-DDD	235	8.258	8.258	0.0	1	575	0	
126 4,4'-DDT	235	8.519	8.519	0.0	97	361322	0	
122 4,4'-DDE	246		9.160					

Data File: \\Bufchrom\ChromData\HP5973W\20110531-3546.b\W0470.D

Injection Date: 31-May-2011 07:31:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973W

Lims Batch ID: 18006

Lims Sample ID: 1

Operator ID: MKP

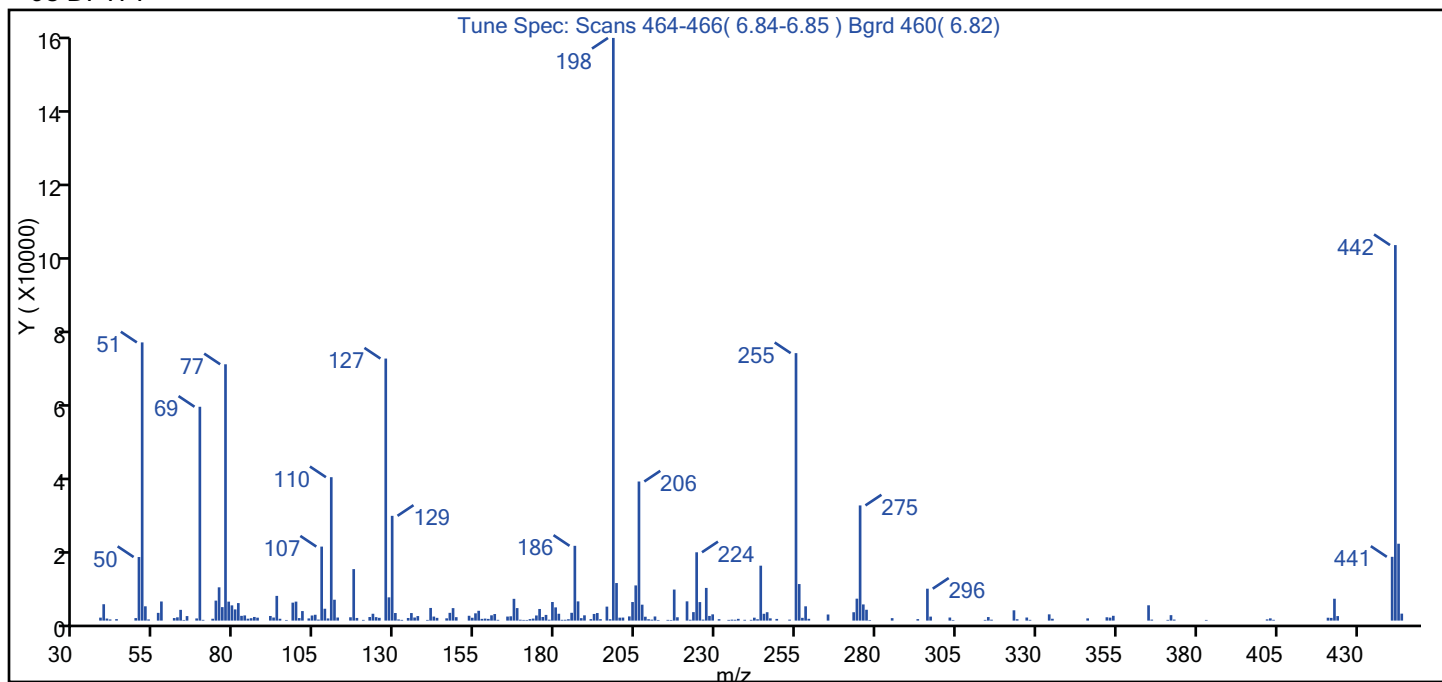
Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Tune Method: DFTPP Method 8270

98 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	47.75
68	Less than 2.00% of mass 69	0.37 (1.01)
69	Present	36.70
70	Less than 2.00% of mass 69	0.13 (0.35)
127	40.00 - 60.00% of mass 198	44.97
197	Less than 1.00% of mass 198	0.23
199	5.00 - 9.00% of mass 198	6.45
275	10.00 - 30.00% of mass 198	19.77
365	Greater than 1.00% of mass 198	2.63
441	Present, but less than mass 443%	10.95 (82.95)
442	Greater than 40.00% of mass 198	64.45
443	17.00 - 23.00% of mass 442	13.19 (20.47)

Data File: \\Bufchrom\ChromData\HP5973W\20110531-3546.b\W0470.D\W-8270.rsl\spectra.d
Injection Date: 31-May-2011 07:31:30
Spectrum: Tune Spec: Scans 464-466(6.84-6.85) Bgrd 460(6.82)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 211

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	808	112.00	838	181.00	1865	246.00	2287
39.00	4468	116.00	909	182.00	213	247.00	616
40.00	558	117.00	14049	183.00	230	249.00	459
41.00	318	118.00	722	184.00	375	253.00	261
43.00	403	120.00	195	185.00	2129	255.00	72976
49.00	686	122.00	978	186.00	20400	256.00	9973
50.00	17344	123.00	1868	187.00	5244	257.00	755
51.00	75904	124.00	945	188.00	669	258.00	3899
52.00	3901	125.00	758	189.00	1440	259.00	487
53.00	320	127.00	71496	191.00	403	265.00	1665
56.00	2109	128.00	6346	192.00	1812	273.00	2282
57.00	5214	129.00	28584	193.00	2062	274.00	5984
61.00	699	130.00	2070	194.00	389	275.00	31424
62.00	893	131.00	319	196.00	3815	276.00	4412
63.00	2933	132.00	197	197.00	369	277.00	2958
64.00	175	134.00	712	198.00	158976	278.00	168
65.00	1232	135.00	2061	199.00	10249	285.00	673
68.00	590	136.00	840	200.00	804	293.00	404
69.00	58344	137.00	1238	201.00	828	296.00	8704
70.00	205	140.00	187	203.00	1145	297.00	1089
73.00	505	141.00	3451	204.00	5066	303.00	836
74.00	5453	142.00	1101	205.00	9599	304.00	170
75.00	9080	143.00	746	206.00	37952	314.00	193
76.00	3677	146.00	622	207.00	4343	315.00	965
77.00	69936	147.00	2116	208.00	1057	316.00	250
78.00	5172	148.00	3405	209.00	378	323.00	2809
79.00	4157	149.00	938	210.00	261	324.00	370
80.00	3053	153.00	1316	211.00	1125	327.00	840
81.00	4778	154.00	781	212.00	174	328.00	204
82.00	1294	155.00	1988	215.00	197	334.00	1707
83.00	1414	156.00	2679	216.00	171	335.00	506
84.00	518	157.00	476	217.00	8470	346.00	608
85.00	656	158.00	548	218.00	906	352.00	910

Report Date: 31-May-2011 11:20:54

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973W\20110531-3546.b\W0470.D\W-8270.rslt\spectra.d

Injection Date: 31-May-2011 07:31:30

Spectrum: Tune Spec: Scans 464-466(6.84-6.85) Bgrd 460(6.82)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 211

m/z	Y	m/z	Y	m/z	Y	m/z	Y
86.00	992	159.00	465	221.00	5254	353.00	817
87.00	800	160.00	1446	222.00	235	354.00	1308
91.00	1261	161.00	1793	223.00	2315	365.00	4178
92.00	838	162.00	213	224.00	18640	366.00	269
93.00	6742	165.00	1102	225.00	5052	371.00	198
94.00	501	166.00	1176	226.00	274	372.00	1486
96.00	171	167.00	5940	227.00	8918	373.00	280
98.00	4900	168.00	3412	228.00	1271	383.00	182
99.00	5181	169.00	241	229.00	1707	402.00	333
100.00	694	170.00	184	231.00	385	403.00	611
101.00	2599	171.00	175	234.00	195	404.00	212
103.00	598	172.00	405	235.00	260	421.00	787
104.00	1392	173.00	545	236.00	226	422.00	741
105.00	1595	174.00	1399	237.00	479	423.00	5966
106.00	282	175.00	3170	239.00	214	424.00	1230
107.00	20192	176.00	985	241.00	207	441.00	17400
108.00	3237	177.00	1551	242.00	795	442.00	102456
109.00	591	178.00	245	243.00	365	443.00	20976
110.00	39128	179.00	5072	244.00	14983	444.00	1900
111.00	5695	180.00	3608	245.00	1860		

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-17193/1-A
 Matrix: Water Lab File ID: W0447.D
 Analysis Method: 8270C Date Collected: _____
 Extract. Method: 3510C Date Extracted: 05/23/2011 17:26
 Sample wt/vol: 1000 (mL) Date Analyzed: 05/27/2011 11:56
 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.: 17774 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	77		46-120
321-60-8	2-Fluorobiphenyl	82		48-120
1718-51-0	p-Terphenyl-d14	103		24-136

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20110527-3501.b\W0447.D
 Lims ID: MB 480-17193/1-A Client ID:
 Inject. Date: 27-May-2011 11:56:30 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: 480-0003501-012
 Misc. Info.: MB 480-17193/1-A =MB 480-17193/1-A
 Operator: MKP Instrument ID: HP5973W
 Vol. Injected: 1.0000 ALS Bottle#: 9
 Lims Batch ID: 17774 Lims Sample ID: 12
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973W\20110527-3501.b\W-8270.m
 Last Update: 31-May-2011 11:03:04 Calib Date: 23-May-2011 17:08:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973W\20110523-3373.b\W0277.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: pagem

Date: 31-May-2011 11:03:04

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.391	5.397	-0.006	97	141203	40.0	
* 2 Naphthalene-d8	136	7.143	7.144	-0.001	100	578051	40.0	
* 3 Acenaphthene-d10	164	9.414	9.414	0.0	98	334133	40.0	
* 4 Phenanthrene-d10	188	11.156	11.156	0.0	98	570637	40.0	
* 5 Chrysene-d12	240	13.629	13.629	0.0	98	568614	40.0	
* 6 Perylene-d12	264	14.815	14.815	0.0	99	586273	40.0	
\$ 7 2-Fluorophenol	112	3.431	3.427	0.0	91	368310	71.1	
\$ 8 Phenol-d5	99	4.926	4.922	-0.001	87	324197	54.6	
\$ 9 Nitrobenzene-d5	82	6.171	6.171	0.0	90	442314	77.3	
\$ 10 2-Fluorobiphenyl	172	8.575	8.575	0.0	99	820842	82.4	
\$ 11 2,4,6-Tribromophenol	330	10.392	10.397	-0.005	92	208080	152.7	
\$ 12 p-Terphenyl-d14	244	12.715	12.715	-0.001	97	1219526	102.8	
35 5-Ethyl-5-phenyl barbituric acid	1		0.000					
42 Quinoline	129		0.000					
34 2,3-Dichlorophenol	1		0.000					
37 5-Methyl-o-Anisidine	1		0.000					
22 2-Methylantracene	1		0.000					
33 Benefin (TIC)	1		0.000					
46 2,4-Dichlorotoluene	1		0.000					
41 trans Azobenzene (TIC)	1		0.000					
13 o-Anisidine	1		0.000					
39 2-Aminopyridine	1		0.000					
29 Dicyclohexamine	1		0.000					
24 2,6-Dichlorotoluene	1		0.000					
226 2,3,7,8-TCDD	1		0.000					
45 2,3-Dichlorobenzeneamine	161		0.000					
25 1,3,5-Trichlorobenzene	180		0.000					
48 Phenylacetic Acid	1		0.000					
32 2,4,5-Trichlorotoluene	1		0.000					
36 4,4'-Methylene bis(2-chloroaniline)	1		0.000					
18 Benzo[e]pyrene	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
31 1,2,3,4 -Tetrachlorobenzene	216		0.000					
49 4-Chlorophenol	1		0.000					
51 Dibenzo[a,e]pyrene	1		0.000					
30 Pendimethalin	1		0.000					
15 p-Fluoroaniline	1		0.000					
38 Pendimethalin (TIC)	1		0.000					
28 Prometryn (TIC)	1		0.000					
21 1-Methylnaphthalene (TIC)	1		0.000					
26 Lidocaine	1		0.000					
27 2,6-Dichloropyridine	1		0.000					
55 1,4-Dioxane	88		1.363					
53 N-Nitrosodimethylamine	42		1.582					
52 Pyridine	52		1.636					
54 1-Methylcyclopentanol	71		1.928					
16 Dimethylformamide	73		1.951					
56 2-Chlorobenzotrifluoride	180		2.735					
57 4-Chlorobenzotrifluoride	180		2.858					
58 n,n'-Dimethylacetamide	87		2.959					
59 4-Chloropyridine	78		3.306					
60 3-Chloropyridine	78		3.429					
61 3-Chlorobenzotrifluoride	180		3.611					
62 2-Picoline	93		3.938					
63 N-Nitrosomethylethylamine	88		4.055					
64 2-Chloropyridine	78		4.081					
66 2-Chlorotoluene	91		4.369					
67 3-Chlorotoluene	91		4.412					
65 Methyl methanesulfonate	80		4.445					
68 4-Chlorotoluene	91		4.466					
71 Benzaldehyde	77		4.745					
69 Aniline	93		4.916					
72 Phenol	94		4.948					
70 N-Nitrosodiethylamine	102		4.958					
74 Bis(2-chloroethyl)ether	93		5.028					
75 2-Chlorophenol	128		5.103					
78 1,3-Dichlorobenzene	146		5.311					
76 Ethyl methanesulfonate	79		5.321					
77 1,4-Dichlorobenzene	146		5.418					
79 Benzyl alcohol	108		5.616					
73 1,2-Dichlorobenzene	146		5.637					
80 N-Methylaniline	106		5.753					
224 CBF-400	214		5.800					
82 2-Methylphenol	108		5.813					
83 2,2'-oxybis[1-chloropropane]	45		5.824					
81 Pentachloroethane	167		5.936					
86 Acetophenone	105	5.968	5.968	0.0	15	2217	0.3104	
87 N-Nitrosodi-n-propylamine	70		5.995					
88 4-Methylphenol	108		6.032					
89 Hexachloroethane	117		6.107					
84 n-Decane	57		6.112					
85 Nitrobenzene	77		6.198					
90 Pentachlorophenol_T	266		6.447					
92 Benzeneacetonitrile	117		6.469					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
225 CBF-500	161		6.500					
94 Isophorone	82		6.540					
91 4-Methylbenzenamine	106		6.571					
97 2-Nitrophenol	139		6.641					
93 N-Nitrosopyrrolidine	100		6.705					
95 N-Nitrosomorpholine	56		6.753					
99 2,4-Dimethylphenol	107		6.754					
96 2-Toluidine	106		6.790					
101 Tetraethyl lead	237		6.807					
103 Bis(2-chloroethoxy)methane	93		6.861					
105 Benzoic acid	105		6.978					
106 2,4-Dichlorophenol	162		6.983					
102 2-Chloroaniline	127		7.062					
100 1,2,4-Trichlorobenzene	180		7.085					
104 N-Nitrosopiperidine	114		7.116					
107 Naphthalene	128		7.170					
108 4-Chloroaniline	127		7.267					
110 Hexachlorobutadiene	225		7.379					
109 o,o',o''-Triethylphosphorothioate	198		7.474					
44 NVF-400	82		7.590					
111 alpha,alpha-Dimethyl phenethylamine	58		7.592					
114 Caprolactam	113		7.678					
113 Alpha-Terpineol	59		7.821					
112 Benzidine_T	184		7.868					
115 2,6-Dichlorophenol	162		7.880					
116 Hexachloropropene	213		7.923					
117 4-Chloro-3-methylphenol	107		7.945					
121 2-Methylnaphthalene	142		8.089					
120 p-Phenylene diamine	108		8.276					
119 N-Nitrosodi-n-butylamine	84		8.276					
124 1,2,4,5-Tetrachlorobenzene	216		8.313					
125 Hexachlorocyclopentadiene	237		8.319					
118 4,4'-DDD	235		8.327					
127 2,4,6-Trichlorophenol	196		8.474					
14 CN-500	112		8.500					
129 2,4,5-Trichlorophenol	196		8.517					
123 Safrole, Total	162		8.521					
126 4,4'-DDT	235		8.589					
128 Phthalic anhydride	104		8.676					
130 1,1'-Biphenyl	154		8.698					
131 2-Chloronaphthalene	162		8.709					
132 2-Nitroaniline	65		8.848					
50 CAG-800	149		9.065					
134 Dimethyl phthalate	163		9.110					
133 Isosafrole	162		9.130					
122 4,4'-DDE	246		9.160					
135 2,6-Dinitrotoluene	165		9.163					
137 Acenaphthylene	152		9.232					
140 3-Nitroaniline	138		9.371					
136 1,4-Naphthoquinone	158		9.381					
138 1,4-Dinitrobenzene	168		9.451					
141 Acenaphthene	153		9.457					

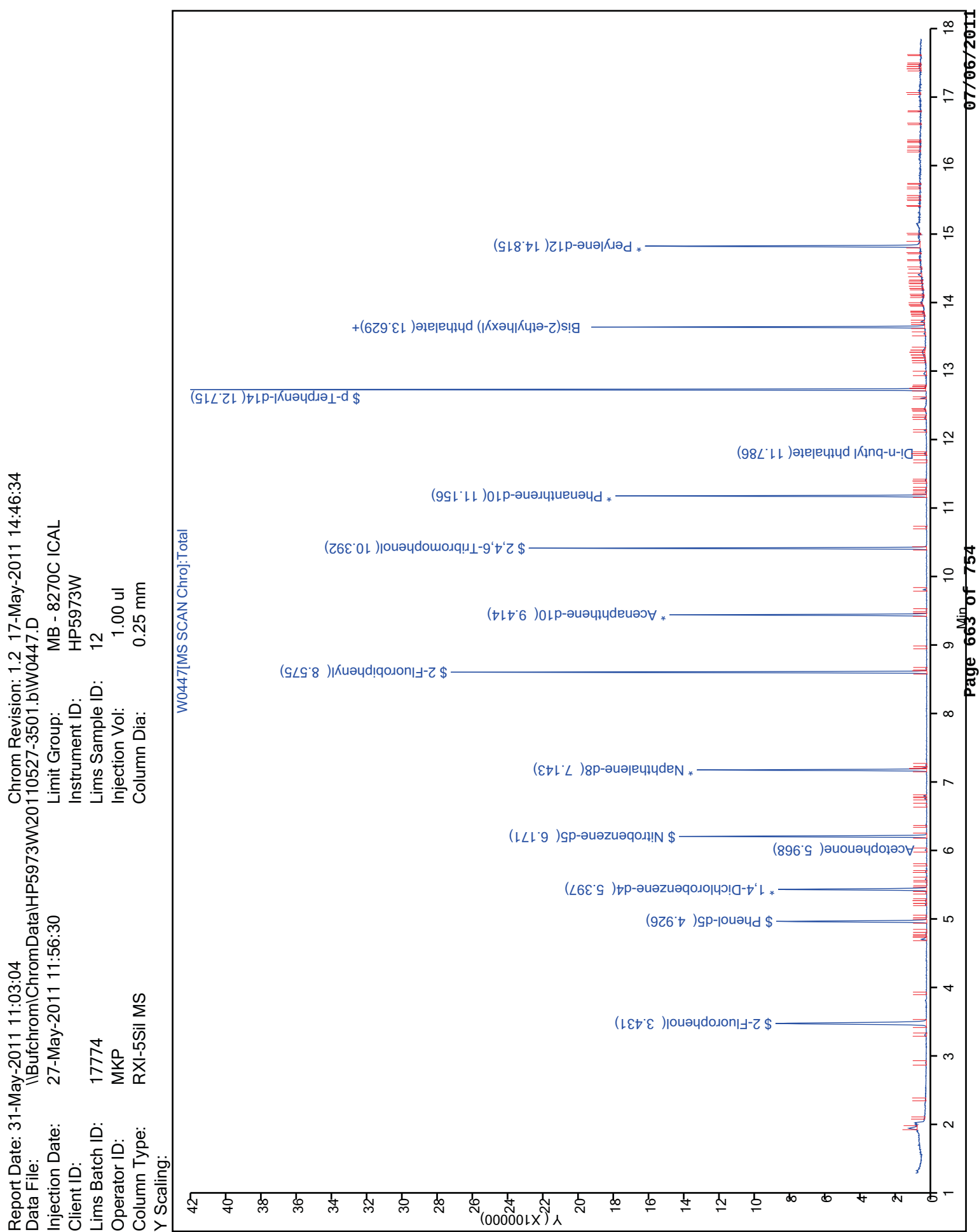
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
142 2,4-Dinitrophenol	184		9.505					
139 1,3-Dinitrobenzene	168		9.547					
143 4-Nitrophenol	109		9.638					
144 2,4-Dinitrotoluene	165		9.676					
145 Dibenzofuran	168		9.681					
47 CU-600	58		9.700					
147 2,3,4,6-Tetrachlorophenol	232		9.852					
149 Diethyl phthalate	149		10.012					
146 Pentachlorobenzene	250		10.033					
151 Fluorene	166		10.103					
152 4-Chlorophenyl phenyl ether	204		10.125					
153 4-Nitroaniline	138		10.135					
148 1-Naphthylamine	143		10.151					
154 4,6-Dinitro-2-methylphenol	198		10.183					
150 2-Naphthylamine	143		10.241					
157 N-Nitrosodiphenylamine	169		10.264					
159 1,2-Diphenylhydrazine	77		10.306					
155 Thionazin	97		10.423					
156 N-Nitro-o-toluidine	152		10.460					
158 Azobenzene	77		10.476					
160 Diphenylamine	169		10.578					
161 Tributyl phosphate	99		10.578					
164 4-Bromophenyl phenyl ether	248		10.686					
168 Hexachlorobenzene	284		10.760					
162 Sulfotepp	322		10.765					
163 1,3,5-Trinitrobenzene	213		10.850					
170 Atrazine	200		10.888					
165 Diallate	43		10.893					
166 Phorate	75		10.899					
167 Phenacetin	108		10.915					
172 Pentachlorophenol	266		10.974					
169 Dimethoate	87		11.064					
171 Simazine	201		11.112					
177 Phenanthrene	178		11.182					
173 4-Aminobiphenyl	169		11.230					
180 Anthracene	178		11.236					
174 Pentachloronitrobenzene	237		11.256					
175 Pronamide	173		11.305					
176 n-Octadecane	57		11.337					
181 Carbazole	167		11.412					
179 Disulfoton	88		11.427					
178 Dinoseb	211		11.427					
182 Methyl parathion	109		11.785					
184 Di-n-butyl phthalate	149	11.786	11.786	0.0	19	4125	0.2480	
183 Alachlor	160		11.796					
185 Anthraquinone	180		11.998					
186 Ethyl Parathion	97		12.149					
187 4-Nitroquinoline-1-oxide	190		12.170					
188 Methapyrilene	58		12.314					
191 Fluoranthene	202		12.358					
189 1-Hydroxyanthraquinone	224		12.388					
190 Isodrin	193		12.426					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
192 Benzidine	184		12.481					
193 Pyrene	202		12.566					
194 1,4-Dihydroxyanthraquinone	240		12.800					
195 Aramite, Total	185		12.939					
196 p-Dimethylamino azobenzene	120		13.014					
197 Chlorobenzilate	139		13.057					
198 9-Octadecenamide	72		13.125					
200 Butyl benzyl phthalate	149		13.148					
199 Famphur	218		13.265					
201 3,3'-Dimethylbenzidine	212		13.302					
202 Kepone	272		13.361					
203 2-Acetylaminofluorene	181		13.532					
204 3,3'-Dichlorobenzidine	252		13.602					
205 Benzo[a]anthracene	228		13.624					
206 Bis(2-ethylhexyl) phthalate	149	13.640	13.645	-0.005	56	3978	0.3685	
207 Chrysene	228		13.656					
17 Tricresyl phosphate	91		14.056					
208 Di-n-octyl phthalate	149		14.153					
209 Benzo[b]fluoranthene	252		14.500					
211 Benzo[k]fluoranthene	252		14.521					
210 7,12-Dimethylbenz(a)anthracene	256		14.734					
213 Benzo[a]pyrene	252		14.772					
212 Hexachlorophene	196		14.895					
214 3-Methylcholanthrene	252		15.381					
215 Indeno[1,2,3-cd]pyrene	276		15.814					
216 Dibenz(a,h)anthracene	278		15.819					
217 Benzo[g,h,i]perylene	276		16.097					
S 19 Chlorobenzotrifluoride N.O.S	1		0.000					
S 23 Chlorotoluene N.O.S	1		0.000					
S 220 Total Cresols	1		0.000					
S 218 3 & 4 Methylphenol	108		0.000					
S 219 3-Methylphenol	1		0.000					
T 221 Benzeneacetic acid (TIC)	91		7.415					1

QC Flag Legend

Processing Flags

1 - Missing Peaks



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-17443/1-A

Matrix: Water Lab File ID: V0652.D

Analysis Method: 8270C Date Collected: _____

Extract. Method: 3510C Date Extracted: 05/25/2011 08:46

Sample wt/vol: 1000 (mL) Date Analyzed: 05/26/2011 11:02

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.: 17611 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	79		46-120
321-60-8	2-Fluorobiphenyl	86		48-120
1718-51-0	p-Terphenyl-d14	121		24-136

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110526-3474.b\V0652.D
 Lims ID: MB 480-17443/1-A Client ID:
 Inject. Date: 26-May-2011 11:02:30 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: 480-0003474-006
 Misc. Info.: MB 480-17443/1-A
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 17611 Lims Sample ID: 6
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110526-3474.b\V-8270.m
 Last Update: 27-May-2011 12:42:44 Calib Date: 25-May-2011 14:48:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110524-3425.b\V0604.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 27-May-2011 12:42:44

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.888	5.894	-0.006	96	69220	40.0	
* 2 Naphthalene-d8	136	7.587	7.592	-0.005	99	279920	40.0	
* 3 Acenaphthene-d10	164	9.863	9.863	0.0	90	169184	40.0	
* 4 Phenanthrene-d10	188	11.562	11.567	-0.005	97	288337	40.0	
* 5 Chrysene-d12	240	14.046	14.051	-0.005	98	309881	40.0	
* 6 Perylene-d12	264	15.365	15.371	-0.006	99	329879	40.0	
\$ 9 2-Fluorophenol	112	4.093	4.090	0.0	88	147301	70.8	
\$ 10 Phenol-d5	99	5.407	5.408	-0.006	86	127125	51.3	
\$ 11 Nitrobenzene-d5	82	6.631	6.636	-0.005	85	193786	79.1	
\$ 12 2-Fluorobiphenyl	172	9.008	9.014	-0.005	99	458613	86.4	
\$ 13 2,4,6-Tribromophenol	330	10.814	10.809	0.0	92	121932	178.6	
\$ 14 p-Terphenyl-d14	244	13.111	13.106	0.0	96	816810	121.2	
58 Chlorobenzotrifluoride N.O.S	1		0.000					
46 2,4-Dichlorotoluene	1		0.000					
44 2,4-Xylidine	1		0.000					
40 1-Methylcyclopentanol	1		0.000					
43 2,4,5-Trichlorotoluene	1		0.000					
57 5-Methyl-o-Anisidine	1		0.000					
21 2-Chlorobenzotrifluoride	1		0.000					
76 3-Chlorobenzotrifluoride	1		0.000					
17 CN-500	1		0.000					
67 4-Chlorotoluene	91		0.000					
74 3-Chlorotoluene	1		0.000					
19 NVF-400	1		0.000					
63 5-Ethyl-5-phenyl barbituric acid	1		0.000					
32 Quinoline	129		0.000					
71 Chlorotoluene N.O.S	1		0.000					
27 Pendimethalin	1		0.000					
55 CBF-400/500	1		0.000					
23 n,n'-Dimethylacetamide	1		0.000					
69 4,4'-Methylene bis(2-chloroaniline)	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
60 Benzeneacetonitrile	1		0.000					
70 Phenylacetic Acid	1		0.000					
53 1,3,5-Trichlorobenzene	180		0.000					
72 4-Chlorobenzotrifluoride	1		0.000					
47 1,3-phenylenediamine	1		0.000					
79 2-Methylantracene	1		0.000					
36 2,3-Dichlorophenol	1		0.000					
39 Benzo[e]pyrene	1		0.000					
223 2,3-Dichlorobenzenamine	161		0.000					
61 CAG-800	1		0.000					
15 Lidocaine	1		0.000					
52 2,6-Dichlorotoluene	1		0.000					
66 4-Chlorophenol	1		0.000					
33 o-Anisidine	1		0.000					
35 1,2,3,4 -Tetrachlorobenzene	216		0.000					
41 2-Chlorotoluene	91		0.000					
18 CU-600	1		0.000					
22 N-Methylaniline	1		0.000					
45 2-Aminopyridine	1		0.000					
80 1,4-Dioxane	88		2.099					
81 N-Nitrosodimethylamine	42		2.320					
82 Pyridine	52		2.384					
31 Dimethylformamide	73		2.788					
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		5.299					
89 Phenol	94		5.429					
90 Aniline	93		5.439					
91 Bis(2-chloroethyl)ether	93		5.530					
93 2-Chlorophenol	128		5.610					
92 Pentachloroethane	167		5.633					
54 p-Fluoroaniline	111		5.762					
94 1,3-Dichlorobenzene	146		5.819					
95 1,4-Dichlorobenzene	146		5.915					
20 n-Decane	57		5.998					
96 Benzyl alcohol	108		6.086					
97 1,2-Dichlorobenzene	146		6.123					
98 2-Methylphenol	108		6.257					
99 2,2'-oxybis[1-chloropropane]	45		6.278					
104 Acetophenone	105		6.448					
101 N-Nitrosodi-n-propylamine	70		6.449					
73 4-Methylbenzenamine	106		6.460					
102 4-Methylphenol	108		6.471					
100 N-Nitrosopyrrolidine	100		6.493					
105 2-Toluidine	106		6.516					
103 N-Nitrosomorpholine	56		6.541					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
106 Hexachloroethane	117		6.583					
107 Nitrobenzene	77		6.663					
49 2,6-Dichloropyridine	112		6.783					
108 Pentachlorophenol_T	266		6.911					
109 N-Nitrosopiperidine	114		6.947					
110 Isophorone	82		6.989					
51 2-Chloroaniline	127		7.005					
111 2-Nitrophenol	139		7.090					
112 2,4-Dimethylphenol	107		7.181					
113 Tetraethyl lead	237		7.245					
115 Bis(2-chloroethoxy)methane	93		7.288					
116 o,o',o''-Triethylphosphorothioate	198		7.348					
119 Benzoic acid	105		7.384					
117 2,4-Dichlorophenol	162		7.421					
118 alpha,alpha-Dimethyl phenethylamine	58		7.470					
120 1,2,4-Trichlorobenzene	180		7.528					
121 Naphthalene	128		7.619					
123 4-Chloroaniline	127		7.699					
122 Alpha-Terpineol	59		7.732					
124 2,6-Dichlorophenol	162		7.796					
126 Hexachlorobutadiene	225		7.811					
125 Hexachloropropene	213		7.834					
134 4,4'-DDE	246		8.033					
127 Caprolactam	113		8.120					
129 N-Nitrosodi-n-butylamine	84		8.234					
128 p-Phenylene diamine	108		8.234					
130 Benzidine_T	184		8.327					
131 4-Chloro-3-methylphenol	107		8.362					
132 Safrole, Total	162		8.501					
133 2-Methylnaphthalene	142		8.527					
135 Phthalic anhydride	104		8.678					
136 Hexachlorocyclopentadiene	237		8.757					
138 1,2,4,5-Tetrachlorobenzene	216		8.766					
137 4,4'-DDD	235		8.797					
139 2,4,6-Trichlorophenol	196		8.907					
140 2,4,5-Trichlorophenol	196		8.955					
141 4,4'-DDT	235		9.048					
30 Dicyclohexylamine	138		9.118					
144 1,1'-Biphenyl	154		9.146					
143 2-Chloronaphthalene	162		9.152					
142 Isosafrole	162		9.169					
145 2-Nitroaniline	65		9.291					
42 1,4-Naphthoquinone	158		9.447					
146 1,4-Dinitrobenzene	168		9.527					
147 Dimethyl phthalate	163		9.537					
148 2,6-Dinitrotoluene	165		9.606					
50 1,3-Dinitrobenzene	168		9.634					
149 Acenaphthylene	152		9.681					
150 3-Nitroaniline	138		9.820					
151 Acenaphthene	153		9.906					
152 2,4-Dinitrophenol	184		9.948					
153 4-Nitrophenol	109		10.066					

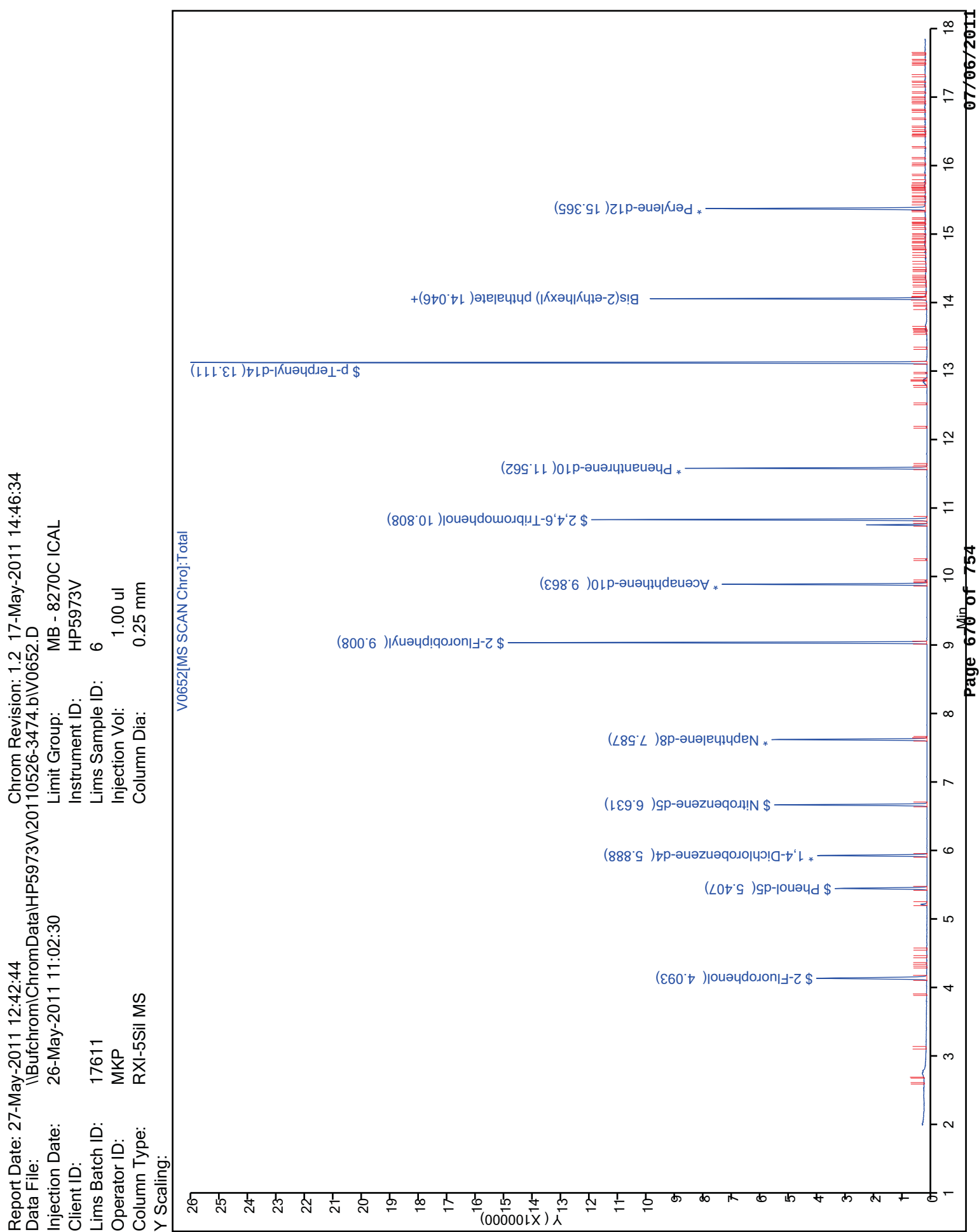
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
154 2,4-Dinitrotoluene	165		10.114					
155 Dibenzofuran	168		10.125					
156 Pentachlorobenzene	250		10.152					
157 1-Naphthylamine	143		10.280					
158 2,3,4,6-Tetrachlorophenol	232		10.294					
159 2-Naphthylamine	143		10.377					
160 Diethyl phthalate	149		10.418					
161 Fluorene	166		10.531					
162 4-Chlorophenyl phenyl ether	204		10.536					
164 4-Nitroaniline	138		10.568					
163 Thionazin	97		10.574					
166 4,6-Dinitro-2-methylphenol	198		10.600					
165 N-Nitro-o-toluidine	152		10.617					
167 N-Nitrosodiphenylamine	169		10.675					
168 1,2-Diphenylhydrazine	77		10.718					
29 Tributyl phosphate	99		10.740					
169 Diphenylamine	169		10.740					
170 Azobenzene	77		10.781					
171 Sulfotepp	322		10.943					
172 1,3,5-Trinitrobenzene	213		11.034					
173 Diallate	43		11.076					
174 Phorate	75		11.082					
176 4-Bromophenyl phenyl ether	248		11.092					
175 Phenacetin	108		11.103					
177 Hexachlorobenzene	284		11.172					
178 Dimethoate	87		11.263					
16 n-Octadecane	57		11.265					
180 Atrazine	200		11.288					
179 Simazine	201		11.306					
181 Pentachlorophenol	266		11.385					
182 4-Aminobiphenyl	169		11.434					
183 Pentachloronitrobenzene	237		11.461					
184 Pronamide	173		11.515					
185 Phenanthrene	178		11.594					
187 Disulfoton	88		11.637					
188 Anthracene	178		11.642					
186 Dinoseb	211		11.643					
189 Carbazole	167		11.813					
190 Methyl parathion	109		12.017					
191 Alachlor	160		12.027					
192 Di-n-butyl phthalate	149		12.165					
62 Anthraquinone	180		12.337					
193 Ethyl Parathion	97		12.396					
194 4-Nitroquinoline-1-oxide	190		12.423					
195 Methapyrilene	58		12.535					
196 Isodrin	193		12.690					
37 1-Hydroxyanthraquinone	224		12.743					
197 Fluoranthene	202		12.764					
198 Benzidine	184		12.881					
199 Pyrene	202		12.977					
34 1,4-Dihydroxyanthraquinone	240		13.170					
200 Aramite, Total	185		13.213					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
201 p-Dimethylamino azobenzene	120		13.293					
202 Chlorobenzilate	139		13.336					
64 9-Octadecenamide	72		13.485					
205 Butyl benzyl phthalate	149		13.538					
203 3,3'-Dimethylbenzidine	212		13.542					
204 Famphur	218		13.555					
206 Kepone	272		13.651					
207 2-Acetylaminofluorene	181		13.822					
208 3,3'-Dichlorobenzidine	252		14.008					
210 Bis(2-ethylhexyl) phthalate	149	14.024	14.024	-0.006	2	2286	0.4163	
209 Benzo[a]anthracene	228		14.040					
211 Chrysene	228		14.073					
59 Tricresyl phosphate	91		14.477					1
212 Di-n-octyl phthalate	149		14.569					
213 Benzo[b]fluoranthene	252		14.997					
214 Benzo[k]fluoranthene	252		15.023					
215 7,12-Dimethylbenz(a)anthracene	256		15.062					
216 Hexachlorophene	196		15.227					
217 Benzo[a]pyrene	252		15.317					
218 3-Methylcholanthrene	252		15.756					
219 Indeno[1,2,3-cd]pyrene	276		16.546					
220 Dibenz(a,h)anthracene	278		16.551					
221 Benzo[g,h,i]perylene	276		16.883					
56 Benzeneacetic acid (TIC)	302		18.050					
24 Dibenzo[a,e]pyrene	302		18.630					
S 222 Total Cresols	1		0.000					
S 77 3 & 4 Methylphenol	108		6.497					
S 78 3-Methylphenol	1		6.497					
T 26 trans Azobenzene (TIC)	77		0.000					1
T 38 1-Methylnaphthalene (TIC)	142		0.000					1
T 28 Pendimethalin (TIC)	1		0.000					1
T 65 Benefin (TIC)	1		0.000					1
T 25 Prometryn (TIC)	1		0.000					1

QC Flag Legend

Processing Flags

1 - Missing Peaks



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 480-17193/2-A
Matrix: Water Lab File ID: W0448.D
Analysis Method: 8270C Date Collected: _____
Extract. Method: 3510C Date Extracted: 05/23/2011 17:26
Sample wt/vol: 1000 (mL) Date Analyzed: 05/27/2011 12:19
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.: 17774 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	86.5		5.0	0.41
86-73-7	Fluorene	93.7		5.0	0.36
129-00-0	Pyrene	107		5.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	79		46-120
321-60-8	2-Fluorobiphenyl	87		48-120
1718-51-0	p-Terphenyl-d14	111		24-136

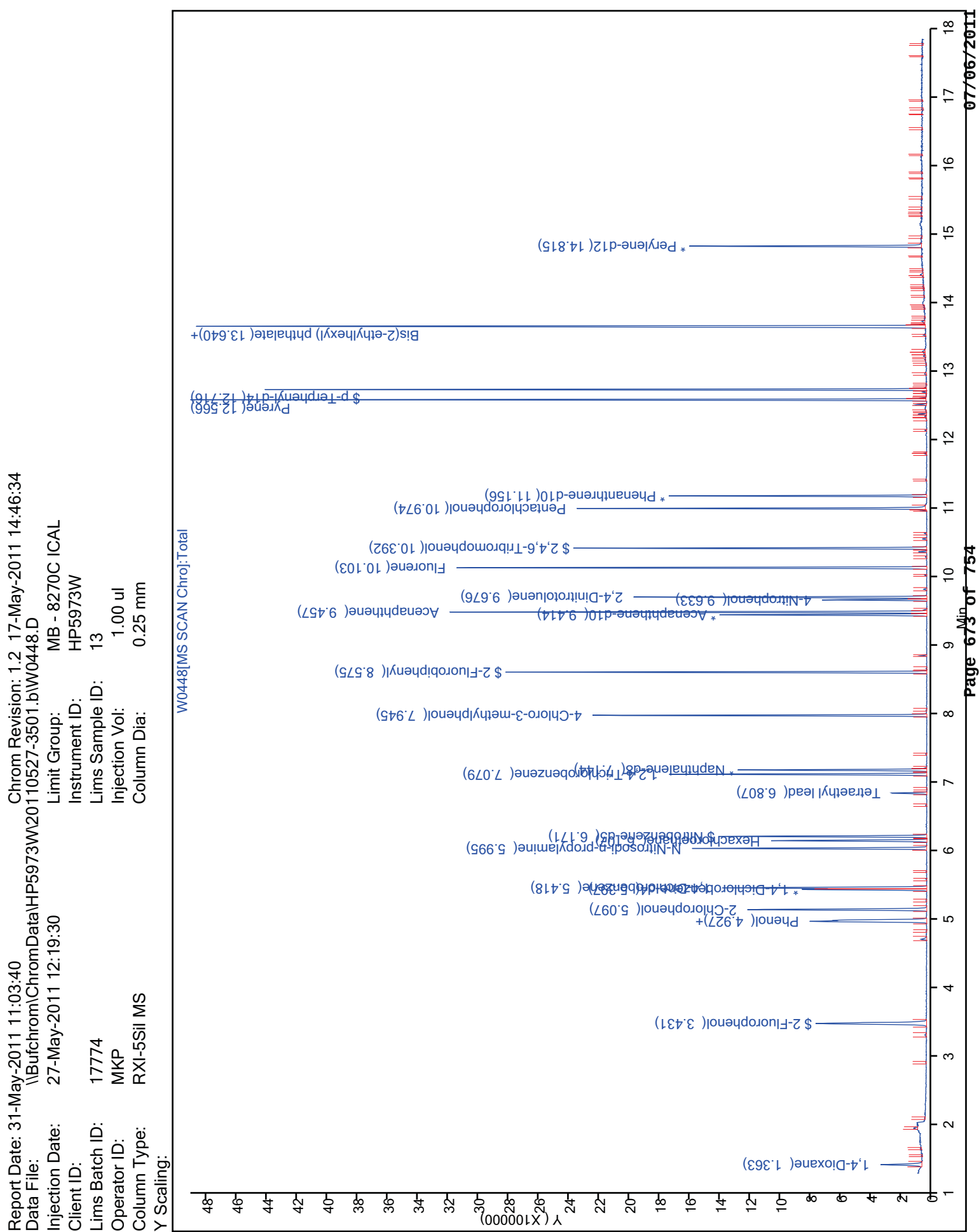
TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20110527-3501.b\W0448.D
 Lims ID: LCS 480-17193/2-A Client ID:
 Inject. Date: 27-May-2011 12:19:30 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: 480-0003501-013
 Misc. Info.: LCS 480-17193/2-A =LCS 480-17193/2-A
 Operator: MKP Instrument ID: HP5973W
 Vol. Injected: 1.0000 ALS Bottle#: 10
 Lims Batch ID: 17774 Lims Sample ID: 13
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973W\20110527-3501.b\W-8270.m
 Last Update: 31-May-2011 11:03:40 Calib Date: 23-May-2011 17:08:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973W\20110523-3373.b\W0277.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-16

First Level Reviewer: pagem

Date: 31-May-2011 11:03:40

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.397	5.397	0.0	69	139416	40.0	
* 2 Naphthalene-d8	136	7.144	7.144	0.0	99	571808	40.0	
* 3 Acenaphthene-d10	164	9.414	9.414	0.0	99	327940	40.0	
* 4 Phenanthrene-d10	188	11.156	11.156	0.0	98	560705	40.0	
* 5 Chrysene-d12	240	13.629	13.629	0.0	89	539121	40.0	
* 6 Perylene-d12	264	14.815	14.815	0.0	99	559924	40.0	
\$ 7 2-Fluorophenol	112	3.431	3.427	0.0	90	321275	62.8	
\$ 8 Phenol-d5	99	4.927	4.922	0.0	73	283595	48.4	
\$ 9 Nitrobenzene-d5	82	6.171	6.171	0.0	91	447692	79.1	
\$ 10 2-Fluorobiphenyl	172	8.575	8.575	0.0	99	849875	86.9	
\$ 11 2,4,6-Tribromophenol	330	10.392	10.397	-0.005	93	210348	157.0	
\$ 12 p-Terphenyl-d14	244	12.716	12.715	0.0	96	1253518	111.4	
55 1,4-Dioxane	88	1.363	1.362	0.0	88	98784	39.2	
72 Phenol	94	4.943	4.943	-0.005	94	203800	29.5	
75 2-Chlorophenol	128	5.097	5.098	-0.006	95	355739	67.3	
77 1,4-Dichlorobenzene	146	5.418	5.413	0.0	76	353160	61.6	
87 N-Nitrosodi-n-propylamine	70	5.995	5.989	0.0	91	317586	84.9	
89 Hexachloroethane	117	6.107	6.101	0.0	94	135141	57.5	
101 Tetraethyl lead	237	6.807	6.807	0.0	93	46738	21.4	
100 1,2,4-Trichlorobenzene	180	7.079	7.085	-0.006	94	326089	67.0	
117 4-Chloro-3-methylphenol	107	7.945	7.945	0.0	94	441197	89.5	
141 Acenaphthene	153	9.457	9.457	0.0	92	776665	86.5	
143 4-Nitrophenol	109	9.633	9.638	-0.005	94	78167	37.3	
144 2,4-Dinitrotoluene	165	9.676	9.676	0.0	81	319608	100.4	
151 Fluorene	166	10.103	10.103	0.0	83	938831	93.7	
172 Pentachlorophenol	266	10.974	10.974	0.0	84	212919	124.6	
193 Pyrene	202	12.566	12.566	0.0	98	1848924	106.8	
206 Bis(2-ethylhexyl) phthalate	149	13.640	13.645	-0.005	96	995993	97.3	



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-17443/2-A
 Matrix: Water Lab File ID: V0653.D
 Analysis Method: 8270C Date Collected: _____
 Extract. Method: 3510C Date Extracted: 05/25/2011 08:46
 Sample wt/vol: 1000(mL) Date Analyzed: 05/26/2011 11:26
 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.: 17611 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	87.4		5.0	0.41
208-96-8	Acenaphthylene	90.0		5.0	0.38
120-12-7	Anthracene	111		5.0	0.28
56-55-3	Benz(a)anthracene	111		5.0	0.36
50-32-8	Benzo(a)pyrene	105		5.0	0.47
205-99-2	Benzo(b)fluoranthene	105		5.0	0.34
191-24-2	Benzo(g,h,i)perylene	111		5.0	0.35
207-08-9	Benzo(k)fluoranthene	105		5.0	0.73
218-01-9	Chrysene	111		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	111		5.0	0.42
206-44-0	Fluoranthene	114		5.0	0.40
86-73-7	Fluorene	99.7		5.0	0.36
193-39-5	Indeno(1,2,3-c,d)pyrene	111		5.0	0.47
91-20-3	Naphthalene	81.3		5.0	0.76
85-01-8	Phenanthrene	109		5.0	0.44
129-00-0	Pyrene	110		5.0	0.34
91-57-6	2-Methylnaphthalene	78.0		5.0	0.60

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	92		46-120
321-60-8	2-Fluorobiphenyl	95		48-120
1718-51-0	p-Terphenyl-d14	121		24-136

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20110526-3474.b\V0653.D
 Lims ID: LCS 480-17443/2-A Client ID:
 Inject. Date: 26-May-2011 11:26:30 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: 480-0003474-007
 Misc. Info.: LCS 480-17443/2-A
 Operator: MKP Instrument ID: HP5973V
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 17611 Lims Sample ID: 7
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973V\20110526-3474.b\V-8270.m
 Last Update: 27-May-2011 16:08:20 Calib Date: 25-May-2011 14:48:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973V\20110524-3425.b\V0604.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: Deconvolution ID
 Process Host: CORP-CTX-19

First Level Reviewer: pagem

Date: 27-May-2011 12:44:15

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.894	5.894	0.0	72	69056	40.0	
* 2 Naphthalene-d8	136	7.592	7.592	0.0	96	273461	40.0	
* 3 Acenaphthene-d10	164	9.863	9.863	0.0	90	171762	40.0	
* 4 Phenanthrene-d10	188	11.567	11.567	0.0	91	294994	40.0	
* 5 Chrysene-d12	240	14.051	14.051	0.0	86	325059	40.0	
* 6 Perylene-d12	264	15.365	15.371	-0.006	99	349681	40.0	
\$ 9 2-Fluorophenol	112	4.099	4.093	0.006	90	188075	90.6	
\$ 10 Phenol-d5	99	5.413	5.413	0.0	74	157502	63.8	
\$ 11 Nitrobenzene-d5	82	6.636	6.636	0.0	78	221296	92.4	
\$ 12 2-Fluorobiphenyl	172	9.008	9.013	-0.005	99	512425	95.1	
\$ 13 2,4,6-Tribromophenol	330	10.814	10.814	0.0	92	133986	191.8	
\$ 14 p-Terphenyl-d14	244	13.111	13.111	0.0	97	855271	121.0	
80 1,4-Dioxane	88	2.063	2.099	-0.036	93	38448	43.5	
81 N-Nitrosodimethylamine	42	2.320	2.320	0.0	81	55347	53.5	
82 Pyridine	52	2.384	2.384	0.0	93	75558	50.5	
88 Benzaldehyde	77	5.285	5.299	-0.014	90	145543	87.9	
89 Phenol	94	5.434	5.429	0.005	73	132984	46.4	
90 Aniline	93	5.439	5.439	0.0	86	256150	79.5	
91 Bis(2-chloroethyl)ether	93	5.530	5.530	0.0	96	182792	89.2	
93 2-Chlorophenol	128	5.610	5.610	0.0	93	208055	88.6	
94 1,3-Dichlorobenzene	146	5.819	5.819	0.0	95	170192	62.6	
95 1,4-Dichlorobenzene	146	5.915	5.915	0.0	79	174874	64.0	
96 Benzyl alcohol	108	6.086	6.086	0.0	90	121939	84.3	
97 1,2-Dichlorobenzene	146	6.123	6.123	0.0	93	171399	66.9	
98 2-Methylphenol	108	6.262	6.257	0.005	91	174489	89.5	
99 2,2'-oxybis[1-chloropropane]	45	6.278	6.278	0.0	82	154000	79.4	
104 Acetophenone	105	6.438	6.448	-0.010	77	305211	102.1	
101 N-Nitrosodi-n-propylamine	70	6.454	6.449	0.005	76	155315	100.6	
102 4-Methylphenol	108	6.476	6.471	0.005	91	343235	167.6	E
106 Hexachloroethane	117	6.583	6.583	0.0	86	61829	59.8	
107 Nitrobenzene	77	6.663	6.663	0.0	81	224145	90.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
110 Isophorone	82	6.989	6.989	0.0	95	421299	100.0	
111 2-Nitrophenol	139	7.090	7.090	0.0	96	124996	105.8	
112 2,4-Dimethylphenol	107	7.181	7.181	0.0	97	250195	98.7	
113 Tetraethyl lead	237	7.240	7.245	-0.005	89	18511	16.5	
115 Bis(2-chloroethoxy)methane	93	7.288	7.288	0.0	100	228578	97.7	
119 Benzoic acid	105	7.304	7.384	-0.080	67	43176	25.3	
117 2,4-Dichlorophenol	162	7.421	7.421	0.0	94	198400	102.4	
120 1,2,4-Trichlorobenzene	180	7.523	7.528	-0.005	92	153829	69.0	
121 Naphthalene	128	7.619	7.619	0.0	96	536498	81.3	
123 4-Chloroaniline	127	7.699	7.699	0.0	83	271442	98.5	
126 Hexachlorobutadiene	225	7.811	7.811	0.0	92	93317	62.3	
127 Caprolactam	113	8.148	8.120	0.028	74	22966	33.1	
131 4-Chloro-3-methylphenol	107	8.362	8.362	0.0	90	232472	107.8	
133 2-Methylnaphthalene	142	8.527	8.527	0.0	85	360870	78.0	
136 Hexachlorocyclopentadiene	237	8.752	8.757	-0.005	87	116000	65.1	
139 2,4,6-Trichlorophenol	196	8.907	8.907	0.0	89	167116	108.9	
140 2,4,5-Trichlorophenol	196	8.955	8.955	0.0	94	181333	109.3	
144 1,1'-Biphenyl	154	9.131	9.146	-0.015	91	487374	82.3	
143 2-Chloronaphthalene	162	9.152	9.152	0.0	96	362147	75.8	
145 2-Nitroaniline	65	9.291	9.291	0.0	81	150390	108.2	
146 1,4-Dinitrobenzene	168		9.527					
147 Dimethyl phthalate	163	9.542	9.537	0.005	89	617570	106.9	
148 2,6-Dinitrotoluene	165	9.606	9.606	0.0	90	142719	118.8	
50 1,3-Dinitrobenzene	168		9.634					
149 Acenaphthylene	152	9.681	9.681	0.0	92	646073	90.0	
150 3-Nitroaniline	138	9.825	9.820	0.005	92	134304	108.5	
151 Acenaphthene	153	9.906	9.906	0.0	93	392769	87.4	
152 2,4-Dinitrophenol	184	9.948	9.948	0.0	84	80808	123.8	
153 4-Nitrophenol	109	10.066	10.066	0.0	90	53619	60.3	
154 2,4-Dinitrotoluene	165	10.114	10.114	0.0	88	201725	116.4	
155 Dibenzofuran	168	10.119	10.125	-0.006	86	616297	91.7	
158 2,3,4,6-Tetrachlorophenol	232	10.285	10.294	-0.009	71	146458	123.3	
160 Diethyl phthalate	149	10.418	10.418	0.0	97	625634	110.4	
161 Fluorene	166	10.531	10.531	0.0	83	556875	99.7	
162 4-Chlorophenyl phenyl ether	204	10.536	10.536	0.0	88	274020	93.7	
164 4-Nitroaniline	138	10.573	10.568	0.005	80	143449	116.4	
166 4,6-Dinitro-2-methylphenol	198	10.605	10.600	0.005	89	125691	124.6	
167 N-Nitrosodiphenylamine	169	10.675	10.675	0.0	57	433864	111.4	
168 1,2-Diphenylhydrazine	77	10.718	10.718	0.0	96	486095	95.6	
176 4-Bromophenyl phenyl ether	248	11.092	11.092	0.0	58	180377	103.0	
177 Hexachlorobenzene	284	11.172	11.172	0.0	87	196366	108.1	
180 Atrazine	200	11.284	11.288	-0.004	92	197257	139.0	
181 Pentachlorophenol	266	11.380	11.385	-0.005	84	126693	117.1	
185 Phenanthrene	178	11.588	11.594	-0.006	97	854795	108.8	
188 Anthracene	178	11.642	11.642	0.0	97	866479	110.5	
189 Carbazole	167	11.813	11.813	0.0	83	806156	111.5	
192 Di-n-butyl phthalate	149	12.165	12.165	0.0	100	1008198	115.9	
197 Fluoranthene	202	12.764	12.764	0.0	97	1017975	113.9	
198 Benzidine	184	12.881	12.881	0.0	97	478293	105.9	
199 Pyrene	202	12.977	12.977	0.0	98	1014897	109.6	
205 Butyl benzyl phthalate	149	13.538	13.538	0.0	95	504414	119.0	
208 3,3'-Dichlorobenzidine	252	14.008	14.008	0.0	66	292166	85.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
210 Bis(2-ethylhexyl) phthalate	149	14.030	14.030	0.0	93	692544	120.2	
209 Benzo[a]anthracene	228	14.040	14.040	0.0	97	1033711	110.9	
211 Chrysene	228	14.078	14.073	0.005	92	994252	110.7	
212 Di-n-octyl phthalate	149	14.569	14.569	0.0	98	1113246	123.4	
213 Benzo[b]fluoranthene	252	14.997	14.997	0.0	93	1103582	105.4	
214 Benzo[k]fluoranthene	252	15.023	15.023	0.0	98	1081262	104.5	
217 Benzo[a]pyrene	252	15.317	15.317	0.0	72	914972	105.3	
219 Indeno[1,2,3-cd]pyrene	276	16.551	16.546	0.005	94	1282158	110.5	
220 Dibenz(a,h)anthracene	278	16.557	16.551	0.006	57	1094704	111.2	
221 Benzo[g,h,i]perylene	276	16.888	16.883	0.005	90	1025093	111.2	
S 78 3-Methylphenol	1				0		167.6	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Report Date: 27-May-2011 16:09:33

Chrom Revision: 1.2 17-May-2011 14:46:34

Data File: \\Bufchrom\ChromData\HP5973V\20110526-3474.bV\0653.D

Injection Date: 26-May-2011 11:26:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973V

Lims Batch ID: 17611

Lims Sample ID: 7

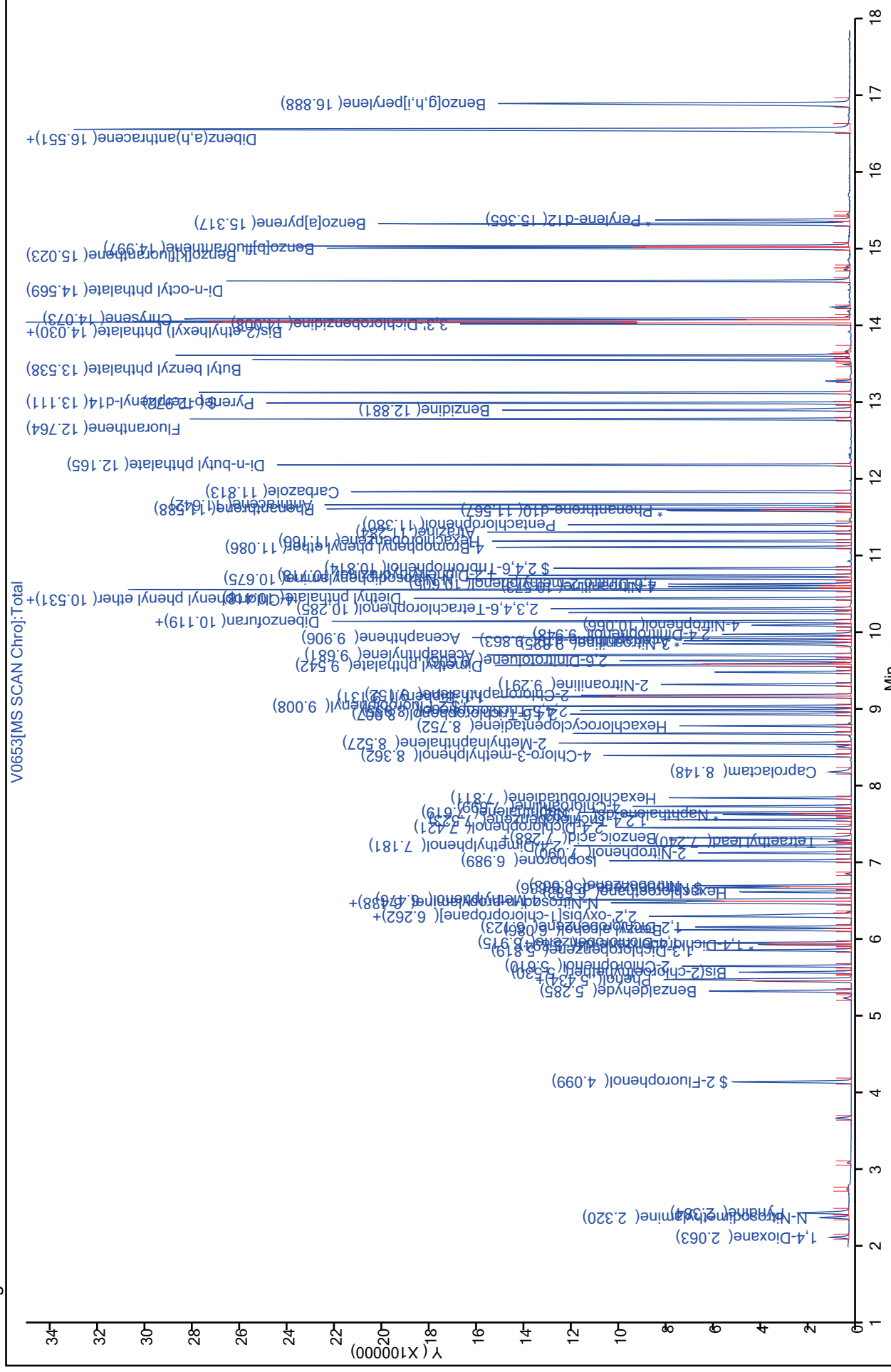
Operator ID: MKP

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-5072-1

SDG No.: _____

Instrument ID: HP5973VStart Date: 05/25/2011 08:22Analysis Batch Number: 17360End Date: 05/25/2011 18:22

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-17360/1		05/25/2011 08:22	1	V0588.D	RXI-5Sil MS 0.25 (mm)
CCV 480-17360/21		05/25/2011 09:03	1		RXI-5Sil MS 0.25 (mm)
IC 480-17360/2		05/25/2011 10:02	1	V0592.D	RXI-5Sil MS 0.25 (mm)
IC 480-17360/3		05/25/2011 10:26	1	V0593.D	RXI-5Sil MS 0.25 (mm)
IC 480-17360/4		05/25/2011 10:50	1	V0594.D	RXI-5Sil MS 0.25 (mm)
ICIS 480-17360/5		05/25/2011 11:14	1	V0595.D	RXI-5Sil MS 0.25 (mm)
IC 480-17360/6		05/25/2011 11:37	1	V0596.D	RXI-5Sil MS 0.25 (mm)
IC 480-17360/7		05/25/2011 12:01	1	V0597.D	RXI-5Sil MS 0.25 (mm)
ICVL 480-17360/8		05/25/2011 12:25	1		RXI-5Sil MS 0.25 (mm)
IC 480-17360/22		05/25/2011 12:49	1		RXI-5Sil MS 0.25 (mm)
IC 480-17360/23		05/25/2011 13:12	1		RXI-5Sil MS 0.25 (mm)
IC 480-17360/24		05/25/2011 13:36	1		RXI-5Sil MS 0.25 (mm)
IC 480-17360/25		05/25/2011 14:00	1		RXI-5Sil MS 0.25 (mm)
IC 480-17360/26		05/25/2011 14:24	1		RXI-5Sil MS 0.25 (mm)
IC 480-17360/27		05/25/2011 14:48	1		RXI-5Sil MS 0.25 (mm)
ICV 480-17360/9		05/25/2011 15:11	1		RXI-5Sil MS 0.25 (mm)
CCVIS 480-17360/20		05/25/2011 15:35	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/25/2011 15:59	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/25/2011 16:23	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/25/2011 16:47	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/25/2011 17:10	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/25/2011 17:34	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/25/2011 17:58	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/25/2011 18:22	1		RXI-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-5072-1

SDG No.: _____

Instrument ID: HP5973VStart Date: 05/26/2011 08:40Analysis Batch Number: 17611End Date: 05/26/2011 20:16

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTTP 480-17611/1		05/26/2011 08:40	1	V0647.D	RXI-5Sil MS 0.25 (mm)
CCVIS 480-17611/2		05/26/2011 09:27	1	V0648.D	RXI-5Sil MS 0.25 (mm)
CCV 480-17611/3		05/26/2011 09:51	1		RXI-5Sil MS 0.25 (mm)
CCV 480-17611/4		05/26/2011 10:15	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/26/2011 10:38	1		RXI-5Sil MS 0.25 (mm)
MB 480-17443/1-A		05/26/2011 11:02	1	V0652.D	RXI-5Sil MS 0.25 (mm)
LCS 480-17443/2-A		05/26/2011 11:26	1	V0653.D	RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/26/2011 11:50	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/26/2011 12:13	1		RXI-5Sil MS 0.25 (mm)
480-5174-1	MW-8DR	05/26/2011 12:37	1	V0656.D	RXI-5Sil MS 0.25 (mm)
480-5174-2	EQUIPMENT BLANK	05/26/2011 13:01	1	V0657.D	RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/26/2011 13:24	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/26/2011 14:12	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/26/2011 14:36	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/26/2011 14:59	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/26/2011 15:23	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/26/2011 15:47	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/26/2011 16:11	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/26/2011 17:22	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/26/2011 17:46	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/26/2011 18:09	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/26/2011 18:33	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/26/2011 18:57	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/26/2011 19:20	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/26/2011 19:44	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/26/2011 20:16	1		RXI-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.: _____

Instrument ID: HP5973V Start Date: 05/27/2011 07:53Analysis Batch Number: 17775 End Date: 05/27/2011 19:12

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTTP 480-17775/1		05/27/2011 07:53	1	V0692.D	RXI-5Sil MS 0.25 (mm)
CCVIS 480-17775/2		05/27/2011 08:09	1	V0693.D	RXI-5Sil MS 0.25 (mm)
CCV 480-17775/3		05/27/2011 08:32	1		RXI-5Sil MS 0.25 (mm)
CCV 480-17775/4		05/27/2011 08:56	1		RXI-5Sil MS 0.25 (mm)
480-5174-1 DL	MW-8DR DL	05/27/2011 09:20	50	V0696.D	RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/27/2011 09:44	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/27/2011 10:07	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/27/2011 10:31	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/27/2011 10:55	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/27/2011 11:18	5		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/27/2011 11:42	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/27/2011 12:06	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/27/2011 12:29	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/27/2011 12:53	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/27/2011 13:17	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/27/2011 13:40	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/27/2011 16:03	50		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/27/2011 16:26	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/27/2011 16:50	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/27/2011 17:37	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/27/2011 18:48	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/27/2011 19:12	1		RXI-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.: _____

Instrument ID: HP5973W Start Date: 05/23/2011 09:31Analysis Batch Number: 17115 End Date: 05/23/2011 17:08

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-17115/1		05/23/2011 09:31	1	W0260.D	RXI-5Sil MS 0.25 (mm)
IC 480-17115/2		05/23/2011 11:37	1	W0263.D	RXI-5Sil MS 0.25 (mm)
IC 480-17115/3		05/23/2011 12:24	1	W0265.D	RXI-5Sil MS 0.25 (mm)
IC 480-17115/4		05/23/2011 12:48	1	W0266.D	RXI-5Sil MS 0.25 (mm)
ICIS 480-17115/5		05/23/2011 13:11	1	W0267.D	RXI-5Sil MS 0.25 (mm)
IC 480-17115/6		05/23/2011 13:35	1	W0268.D	RXI-5Sil MS 0.25 (mm)
IC 480-17115/7		05/23/2011 13:59	1	W0269.D	RXI-5Sil MS 0.25 (mm)
ICV 480-17115/8		05/23/2011 14:22	1		RXI-5Sil MS 0.25 (mm)
ICVL 480-17115/9		05/23/2011 14:46	1		RXI-5Sil MS 0.25 (mm)
IC 480-17115/10		05/23/2011 15:09	1		RXI-5Sil MS 0.25 (mm)
IC 480-17115/11		05/23/2011 15:33	1		RXI-5Sil MS 0.25 (mm)
IC 480-17115/12		05/23/2011 15:57	1		RXI-5Sil MS 0.25 (mm)
IC 480-17115/13		05/23/2011 16:20	1		RXI-5Sil MS 0.25 (mm)
IC 480-17115/14		05/23/2011 16:44	1		RXI-5Sil MS 0.25 (mm)
IC 480-17115/15		05/23/2011 17:08	1		RXI-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-5072-1

SDG No.: _____

Instrument ID: HP5973WStart Date: 05/27/2011 07:45Analysis Batch Number: 17774End Date: 05/27/2011 19:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTTP 480-17774/1		05/27/2011 07:45	1	W0436.D	RXI-5Sil MS 0.25 (mm)
CCVIS 480-17774/2		05/27/2011 08:00	1	W0437.D	RXI-5Sil MS 0.25 (mm)
CCV 480-17774/3		05/27/2011 08:24	1		RXI-5Sil MS 0.25 (mm)
CCV 480-17774/4		05/27/2011 08:47	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/27/2011 09:11	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/27/2011 09:34	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/27/2011 09:58	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/27/2011 10:21	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/27/2011 10:45	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/27/2011 11:09	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/27/2011 11:32	1		RXI-5Sil MS 0.25 (mm)
MB 480-17193/1-A		05/27/2011 11:56	1	W0447.D	RXI-5Sil MS 0.25 (mm)
LCS 480-17193/2-A		05/27/2011 12:19	1	W0448.D	RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/27/2011 12:43	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/27/2011 13:06	1		RXI-5Sil MS 0.25 (mm)
480-5072-1	DW-1R	05/27/2011 13:30	1	W0451.D	RXI-5Sil MS 0.25 (mm)
480-5072-2	MW-3DR	05/27/2011 13:53	1	W0452.D	RXI-5Sil MS 0.25 (mm)
480-5072-3	MW-3DR DUP	05/27/2011 15:53	1	W0453.D	RXI-5Sil MS 0.25 (mm)
480-5072-4	DW-3R	05/27/2011 16:16	10	W0454.D	RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/27/2011 16:40	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/27/2011 17:03	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/27/2011 17:27	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/27/2011 17:50	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/27/2011 18:14	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/27/2011 18:37	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/27/2011 19:01	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/27/2011 19:24	1		RXI-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.: _____

Instrument ID: HP5973W Start Date: 05/31/2011 07:31Analysis Batch Number: 18006 End Date: 05/31/2011 19:32

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-18006/1		05/31/2011 07:31	1	W0470.D	RXI-5Sil MS 0.25 (mm)
CCVIS 480-18006/2		05/31/2011 07:47	1	W0471.D	RXI-5Sil MS 0.25 (mm)
CCV 480-18006/3		05/31/2011 08:10	1	W0472.D	RXI-5Sil MS 0.25 (mm)
CCV 480-18006/4		05/31/2011 08:34	1	W0473.D	RXI-5Sil MS 0.25 (mm)
480-5072-1 DL	DW-1R DL	05/31/2011 08:57	50	W0474.D	RXI-5Sil MS 0.25 (mm)
480-5072-2 DL	MW-3DR DL	05/31/2011 09:21	10	W0475.D	RXI-5Sil MS 0.25 (mm)
480-5072-3 DL	MW-3DR DUP DL	05/31/2011 09:44	10	W0476.D	RXI-5Sil MS 0.25 (mm)
480-5072-4 DL	DW-3R DL	05/31/2011 10:07	50	W0477.D	RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/31/2011 10:31	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/31/2011 10:54	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/31/2011 11:18	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/31/2011 11:42	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/31/2011 12:05	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/31/2011 12:28	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/31/2011 12:52	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/31/2011 13:16	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/31/2011 13:39	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/31/2011 16:47	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/31/2011 17:11	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/31/2011 17:34	5		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/31/2011 17:58	5		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/31/2011 18:21	20		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/31/2011 18:45	20		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/31/2011 19:08	20		RXI-5Sil MS 0.25 (mm)
ZZZZZ		05/31/2011 19:32	20		RXI-5Sil MS 0.25 (mm)

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.:

Batch Number: 17193 Batch Start Date: 05/23/11 17:26 Batch Analyst: Trawally, Lamin

Batch Method: 3510C Batch End Date: 05/23/11 23:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FinalAmount	FirstAdjustpH	SecondAdjustpH	O_8270625surr 00001
MB 480-17193/1		3510C, 8270C		5	1000 mL	1 mL	<2	>11	1 mL
LCS 480-17193/2		3510C, 8270C		5	1000 mL	1 mL	<2	>11	1 mL
480-5072-A-1	DW-1R	3510C, 8270C	T	6	1040 mL	1 mL	<2	>11	1 mL
480-5072-A-2	MW-3DR	3510C, 8270C	T	6	1060 mL	1 mL	<2	>11	1 mL
480-5072-B-3	MW-3DR DUP	3510C, 8270C	T	6	1060 mL	1 mL	<2	>11	1 mL
480-5072-B-4	DW-3R	3510C, 8270C	T	6	970 mL	1 mL	<2	>11	1 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	O_8270short 00002	AnalysisComment		
MB 480-17193/1		3510C, 8270C					
LCS 480-17193/2		3510C, 8270C		1 mL			
480-5072-A-1	DW-1R	3510C, 8270C	T		clear		
480-5072-A-2	MW-3DR	3510C, 8270C	T		clear		
480-5072-B-3	MW-3DR DUP	3510C, 8270C	T		clear		
480-5072-B-4	DW-3R	3510C, 8270C	T		clear		

Batch Notes	
Acid used for pH adjustment	1:1 Sulfuric Acid
Acid used for pH adjust Lot #	0092408
Base used for pH adjustment	Sodium Hydroxide
Base used for pH adjust Lot #	HCO85253
Na2SO4 Lot Number	27861001
Prep Solvent Lot #	K04E14
Prep Solvent Name	MeCl2
Prep Solvent Volume Used	360 mL
Person's name who did the prep	LTT
Person's name who witnessed reagent drop	LTT
Sufficient volume for MS/MSD?	YES

Basis	Basis Description
T	Total/NA

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.: _____

Batch Number: 17443 Batch Start Date: 05/25/11 08:46 Batch Analyst: Viscuso, Kim

Batch Method: 3510C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FinalAmount	FirstAdjustpH	SecondAdjustpH	O_8270625snrr 00001
MB 480-17443/1		3510C, 8270C		5	1000 mL	1 mL	<2	>11	1 mL
LCS 480-17443/2		3510C, 8270C		5	1000 mL	1 mL	<2	>11	1 mL
480-5174-A-1	MW-8DR	3510C, 8270C	T	5	1000 mL	1 mL	<2	>11	1 mL
480-5174-A-2	EQUIPMENT BLANK	3510C, 8270C	T	5	1020 mL	1 mL	<2	>11	1 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	O_8270full#1 00002	O_8270full#2 00003	AnalysisComment	
MB 480-17443/1		3510C, 8270C					
LCS 480-17443/2		3510C, 8270C		1 mL	1 mL		
480-5174-A-1	MW-8DR	3510C, 8270C	T			Light Yellow	
480-5174-A-2	EQUIPMENT BLANK	3510C, 8270C	T			Clear	

Batch Notes	
Acid used for pH adjustment	1:1 Sulfuric Acid
Acid used for pH adjust Lot #	0092408
Base used for pH adjustment	Sodium Hydroxide
Base used for pH adjust Lot #	HC085253
Na2SO4 Lot Number	27861001
Prep Solvent Lot #	K04E14
Prep Solvent Name	MeCl2
Prep Solvent Volume Used	360 mL
Person's name who did the prep	KXV
Person's name who witnessed reagent drop	KXV
Sufficient volume for MS/MSD?	Yes

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-5072-1

SDG No.: _____

Project: RG&E East Station Former MPG Site

Client Sample ID	Lab Sample ID
DW-1R	480-5072-1
DW-1R	480-5072-1 RA
MW-3DR	480-5072-2
MW-3DR DUP	480-5072-3
DW-3R	480-5072-4
MW-8DR	480-5174-1
EQUIPMENT BLANK	480-5174-2

Comments:

Client Sample ID:	DW-1R	Lab Sample ID:	480-5072-1
Lab Name:	TestAmerica Buffalo	Job No.:	480-5072-1
SDG ID.:			
Matrix:	Water	Date Sampled:	05/17/2011 14:10
Reporting Basis:	WET	Date Received:	05/18/2011 16:50

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.65	0.010	0.0050	mg/L			1	9012A
57-12-5	Cyanide, Total	0.85	0.050	0.025	mg/L		H	5	9012A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: <u>MW-3DR</u>	Lab Sample ID: <u>480-5072-2</u>
Lab Name: <u>TestAmerica Buffalo</u>	Job No.: <u>480-5072-1</u>
SDG ID.: _____	
Matrix: <u>Water</u>	Date Sampled: <u>05/18/2011 11:20</u>
Reporting Basis: <u>WET</u>	Date Received: <u>05/18/2011 16:50</u>

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	2.9	0.10	0.050	mg/L			10	9012A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID:	MW-3DR DUP	Lab Sample ID:	480-5072-3
Lab Name:	TestAmerica Buffalo	Job No.:	480-5072-1
SDG ID.:			
Matrix:	Water	Date Sampled:	05/18/2011 11:20
Reporting Basis:	WET	Date Received:	05/18/2011 16:50

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	1.1	0.050	0.025	mg/L			5	9012A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID:	DW-3R	Lab Sample ID:	480-5072-4
Lab Name:	TestAmerica Buffalo	Job No.:	480-5072-1
SDG ID.:			
Matrix:	Water	Date Sampled:	05/18/2011 14:10
Reporting Basis:	WET	Date Received:	05/18/2011 16:50

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.37	0.010	0.0050	mg/L			1	9012A

Client Sample ID:	MW-8DR	Lab Sample ID:	480-5174-1
Lab Name:	TestAmerica Buffalo	Job No.:	480-5072-1
SDG ID.:			
Matrix:	Water	Date Sampled:	05/18/2011 15:20
Reporting Basis:	WET	Date Received:	05/20/2011 09:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.065	0.010	0.0050	mg/L			1	9012A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: EQUIPMENT BLANK Lab Sample ID: 480-5174-2
Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
SDG ID.: _____
Matrix: Water Date Sampled: 05/18/2011 17:00
Reporting Basis: WET Date Received: 05/20/2011 09:30

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.: 480-5072-1
SDG No.: _____
Analyst: JR Batch Start Date: 05/26/2011
Reporting Units: mg/L Analytical Batch No.: 17770

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
25	CCV	10:55	Cyanide, Total	0.247	0.250	99	90-110		WC_CNL_INT_00014
26	CCB	10:56	Cyanide, Total	ND					
37	CCV	11:04	Cyanide, Total	0.243	0.250	97	90-110		WC_CNL_INT_00014
38	CCB	11:05	Cyanide, Total	ND					
49	CCV	11:12	Cyanide, Total	0.246	0.250	99	90-110		WC_CNL_INT_00014
50	CCB	11:13	Cyanide, Total	ND					
61	CCV	11:21	Cyanide, Total	0.249	0.250	99	90-110		WC_CNL_INT_00014
62	CCB	11:22	Cyanide, Total	ND					
73	CCV	11:30	Cyanide, Total	0.255	0.250	102	90-110		WC_CNL_INT_00014
74	CCB	11:30	Cyanide, Total	ND					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1
SDG No.: _____
Analyst: MD Batch Start Date: 06/03/2011
Reporting Units: mg/L Analytical Batch No.: 18601

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
12	CCV	14:46	Cyanide, Total	0.236	0.250	94	90-110		WC_CNL_INT_00015
13	CCB	14:47	Cyanide, Total	ND					
24	CCV	14:55	Cyanide, Total	0.241	0.250	97	90-110		WC_CNL_INT_00015
25	CCB	14:56	Cyanide, Total	ND					
36	CCV	15:04	Cyanide, Total	0.242	0.250	97	90-110		WC_CNL_INT_00015
37	CCB	15:04	Cyanide, Total	ND					
72	CCV	15:29	Cyanide, Total	0.242	0.250	97	90-110		WC_CNL_INT_00015
73	CCB	15:32	Cyanide, Total	ND					
79	CCV	15:37	Cyanide, Total	0.242	0.250	97	90-110		WC_CNL_INT_00015
80	CCB	15:38	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.: 480-5072-1

SDG No.: _____

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 17770	Date: 05/26/2011 10:57	Prep Batch: 17546	Date: 05/25/2011 12:00				
9012A	MB 480-17546/2-A	Cyanide, Total	ND		mg/L	0.010	1
Batch ID: 17770	Date: 05/26/2011 11:14	Prep Batch: 17566	Date: 05/25/2011 16:35				
9012A	MB 480-17566/1-A	Cyanide, Total	ND		mg/L	0.010	1
Batch ID: 18601	Date: 06/03/2011 14:48	Prep Batch: 18302	Date: 06/01/2011 18:30				
9012A	MB 480-18302/1-A	Cyanide, Total	ND		mg/L	0.010	1

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.: _____

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 17770 Date: 05/26/2011 10:57 Prep Batch: 17546 Date: 05/25/2011 12:00 LCS Source: WC_CN_50ppm_00011											
9012A	LCS 480-17546/1-A	Cyanide, Total	0.254		mg/L	0.250	102	90-110			
Batch ID: 17770 Date: 05/26/2011 11:15 Prep Batch: 17566 Date: 05/25/2011 16:35 LCS Source: WC_CN_50ppm_00011											
9012A	LCS 480-17566/2-A	Cyanide, Total	0.247		mg/L	0.250	99	90-110			
Batch ID: 18601 Date: 06/03/2011 14:49 Prep Batch: 18302 Date: 06/01/2011 18:30 LCS Source: WC_CN_50ppm_00010											
9012A	LCS 480-18302/2-A	Cyanide, Total	0.284		mg/L	0.250	114	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: 480-5072-1
SDG Number: _____
Matrix: Water Instrument ID: LACHAT1
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: 480-5072-1
SDG Number: _____
Matrix: Water Instrument ID: LACHAT1
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.: 480-5072-1

SDG No.: _____

Prep Method: 9012A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
LCS 480-17546/1-A	05/25/2011 12:00	17546		50	50
MB 480-17546/2-A	05/25/2011 12:00	17546		50	50
480-5174-1	05/25/2011 12:00	17546		50	50
480-5174-2	05/25/2011 12:00	17546		50	50

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.: _____

Prep Method: 9012A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 480-17566/1-A	05/25/2011 16:35	17566		50	50
LCS 480-17566/2-A	05/25/2011 16:35	17566		50	50
480-5072-1	05/25/2011 16:35	17566		50	50
480-5072-4	05/25/2011 16:35	17566		50	50

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.: _____

Prep Method: 9012A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 480-18302/1-A	06/01/2011 18:30	18302		50	50
LCS 480-18302/2-A	06/01/2011 18:30	18302		50	50
480-5072-1 RA	06/01/2011 18:30	18302		50	50
480-5072-2	06/01/2011 18:30	18302		50	50
480-5072-3	06/01/2011 18:30	18302		50	50

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.: _____

Instrument ID: LACHAT1 Method: 9012A

Start Date: 05/26/2011 10:37 End Date: 05/26/2011 12:00

Lab Sample ID	D / F	T y p e	Time	Analytes															
				C N															
CCV 480-17770/1			10:37																
CCB 480-17770/2			10:38																
ZZZZZZ			10:40																
ZZZZZZ			10:40																
ZZZZZZ			10:41																
ZZZZZZ			10:42																
ZZZZZZ			10:42																
ZZZZZZ			10:43																
ZZZZZZ			10:44																
ZZZZZZ			10:45																
ZZZZZZ			10:45																
ZZZZZZ			10:46																
CCV 480-17770/13			10:47																
CCB 480-17770/14			10:47																
ZZZZZZ			10:48																
ZZZZZZ			10:49																
ZZZZZZ			10:49																
ZZZZZZ			10:50																
ZZZZZZ			10:51																
ZZZZZZ			10:52																
ZZZZZZ			10:52																
ZZZZZZ			10:53																
ZZZZZZ			10:54																
ZZZZZZ			10:55																
CCV 480-17770/25	1		10:55	X															
CCB 480-17770/26	1		10:56	X															
LCS 480-17546/1-A	1	T	10:57	X															
MB 480-17546/2-A	1	T	10:57	X															
ZZZZZZ			10:58																
ZZZZZZ			10:59																
ZZZZZZ			10:59																
ZZZZZZ			11:00																
ZZZZZZ			11:01																
480-5174-1	1	T	11:02	X															
480-5174-2	1	T	11:02	X															
ZZZZZZ			11:03																
CCV 480-17770/37	1		11:04	X															
CCB 480-17770/38	1		11:05	X															
ZZZZZZ			11:05																
ZZZZZZ			11:06																
ZZZZZZ			11:07																
ZZZZZZ			11:07																

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.: _____

Instrument ID: LACHAT1 Method: 9012A

Start Date: 05/26/2011 10:37 End Date: 05/26/2011 12:00

Lab Sample ID	D / F	T y p e	Time	Analytes															
				C N															
ZZZZZZ			11:08																
ZZZZZZ			11:09																
ZZZZZZ			11:09																
ZZZZZZ			11:10																
ZZZZZZ			11:11																
ZZZZZZ			11:12																
CCV 480-17770/49	1		11:12	X															
CCB 480-17770/50	1		11:13	X															
MB 480-17566/1-A	1	T	11:14	X															
LCS 480-17566/2-A	1	T	11:15	X															
ZZZZZZ			11:15																
ZZZZZZ			11:16																
ZZZZZZ			11:17																
ZZZZZZ			11:17																
ZZZZZZ			11:18																
ZZZZZZ			11:19																
ZZZZZZ			11:20																
ZZZZZZ			11:20																
CCV 480-17770/61	1		11:21	X															
CCB 480-17770/62	1		11:22	X															
480-5072-1	1	T	11:22	X															
480-5072-4	1	T	11:23	X															
ZZZZZZ			11:24																
ZZZZZZ			11:25																
ZZZZZZ			11:25																
ZZZZZZ			11:26																
ZZZZZZ			11:27																
ZZZZZZ			11:28																
ZZZZZZ			11:28																
ZZZZZZ			11:29																
CCV 480-17770/73	1		11:30	X															
CCB 480-17770/74	1		11:30	X															
ZZZZZZ			11:31																
ZZZZZZ			11:32																
ZZZZZZ			11:33																
ZZZZZZ			11:33																
ZZZZZZ			11:34																
ZZZZZZ			11:35																
ZZZZZZ			11:35																
ZZZZZZ			11:36																
ZZZZZZ			11:37																
ZZZZZZ			11:38																

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.: _____

Instrument ID: LACHAT1 Method: 9012A

Start Date: 05/26/2011 10:37 End Date: 05/26/2011 12:00

Lab Sample ID	D / F	T y p e	Time	Analytes															
				C N															
CCV 480-17770/85			11:38																
CCB 480-17770/86			11:39																
ZZZZZZ			11:40																
ZZZZZZ			11:41																
ZZZZZZ			11:41																
ZZZZZZ			11:42																
ZZZZZZ			11:43																
ZZZZZZ			11:44																
ZZZZZZ			11:44																
ZZZZZZ			11:45																
ZZZZZZ			11:46																
ZZZZZZ			11:46																
CCV 480-17770/97			11:47																
CCB 480-17770/98			11:48																
ZZZZZZ			11:49																
ZZZZZZ			11:49																
ZZZZZZ			11:50																
ZZZZZZ			11:51																
ZZZZZZ			11:52																
ZZZZZZ			11:52																
ZZZZZZ			11:53																
ZZZZZZ			11:54																
ZZZZZZ			11:55																
ZZZZZZ			11:55																
CCV 480-17770/109			11:56																
CCB 480-17770/110			11:57																
ZZZZZZ			11:57																
ZZZZZZ			11:58																
CCV 480-17770/113			11:59																
CCB 480-17770/114			12:00																

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.: _____

Instrument ID: LACHAT1 Method: 9012A

Start Date: 06/03/2011 14:34 End Date: 06/03/2011 15:45

Lab Sample ID	D / F	T y p e	Time	Analytes															
				C N															
CCV 480-18601/1			14:34																
CCB 480-18601/2			14:34																
ZZZZZZ			14:40																
ZZZZZZ			14:41																
ZZZZZZ			14:41																
ZZZZZZ			14:42																
ZZZZZZ			14:43																
ZZZZZZ			14:44																
ZZZZZZ			14:44																
ZZZZZZ			14:45																
ZZZZZZ			14:46																
CCV 480-18601/12	1		14:46	X															
CCB 480-18601/13	1		14:47	X															
MB 480-18302/1-A	1	T	14:48	X															
LCS 480-18302/2-A	1	T	14:49	X															
ZZZZZZ			14:49																
ZZZZZZ			14:50																
ZZZZZZ			14:51																
ZZZZZZ			14:51																
ZZZZZZ			14:52																
ZZZZZZ			14:53																
ZZZZZZ			14:54																
ZZZZZZ			14:54																
CCV 480-18601/24	1		14:55	X															
CCB 480-18601/25	1		14:56	X															
ZZZZZZ			14:56																
ZZZZZZ			14:57																
ZZZZZZ			14:58																
ZZZZZZ			14:59																
ZZZZZZ			14:59																
ZZZZZZ			15:00																
ZZZZZZ			15:01																
ZZZZZZ			15:01																
ZZZZZZ			15:02																
ZZZZZZ			15:03																
CCV 480-18601/36	1		15:04	X															
CCB 480-18601/37	1		15:04	X															
ZZZZZZ			15:05																
ZZZZZZ			15:06																
ZZZZZZ			15:06																
ZZZZZZ			15:07																
ZZZZZZ			15:08																

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.: _____

Instrument ID: LACHAT1 Method: 9012A

Start Date: 06/03/2011 14:34 End Date: 06/03/2011 15:45

Lab Sample ID	D / F	T y p e	Time	Analytes															
				C N															
ZZZZZZ			15:09																
ZZZZZZ			15:09																
ZZZZZZ			15:10																
ZZZZZZ			15:11																
ZZZZZZ			15:11																
CCV 480-18601/48			15:12																
CCB 480-18601/49			15:13																
ZZZZZZ			15:14																
ZZZZZZ			15:14																
ZZZZZZ			15:15																
ZZZZZZ			15:16																
ZZZZZZ			15:17																
ZZZZZZ			15:17																
ZZZZZZ			15:18																
ZZZZZZ			15:19																
ZZZZZZ			15:19																
ZZZZZZ			15:20																
CCV 480-18601/60			15:21																
CCB 480-18601/61			15:22																
ZZZZZZ			15:22																
ZZZZZZ			15:23																
ZZZZZZ			15:24																
ZZZZZZ			15:24																
ZZZZZZ			15:25																
ZZZZZZ			15:26																
ZZZZZZ			15:27																
ZZZZZZ			15:27																
ZZZZZZ			15:28																
ZZZZZZ			15:29																
CCV 480-18601/72	1		15:29	X															
CCB 480-18601/73	1		15:32	X															
ZZZZZZ			15:33																
480-5072-1 RA	5	T	15:34	X															
480-5072-2	10	T	15:35	X															
480-5072-3	5	T	15:35	X															
ZZZZZZ			15:36																
CCV 480-18601/79	1		15:37	X															
CCB 480-18601/80	1		15:38	X															
ZZZZZZ			15:39																
ZZZZZZ			15:39																
ZZZZZZ			15:40																
ZZZZZZ			15:41																

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.: _____

Instrument ID: LACHAT1 Method: 9012A

Start Date: 06/03/2011 14:34 End Date: 06/03/2011 15:45

Lab Sample ID	D / F	T y p e	Time	Analytes															
				C N															
ZZZZZZ			15:44																
ZZZZZZ			15:45																

Prep Types

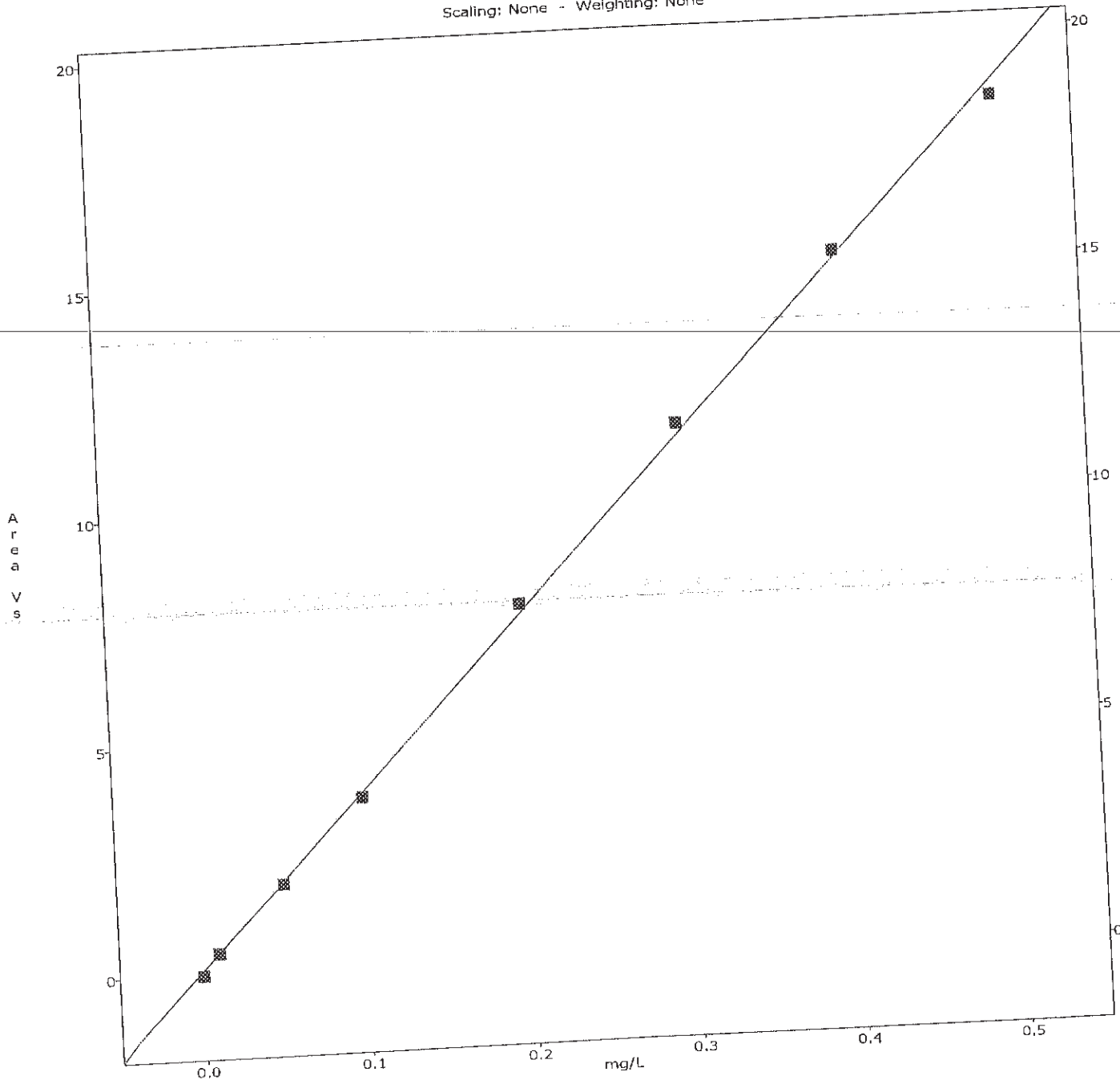
T = Total/NA

CYANIDE

Lvl	Area	mg/L	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Replic STD	Replic % RSD	Residual 1st Poly
1	18483444	0.50	18483444					0.0	0.0	1.8
2	15226675	0.40	15226675					0.0	0.0	-1.0
3	11586957	0.30	11586957					0.0	0.0	-2.2
4	7796468	0.20	7796468					0.0	0.0	-2.7
5	3745959	0.10	3745959					0.0	0.0	2.7
6	1927002	0.05	1927002					0.0	0.0	2.6
7	470925	0.01	470925					0.0	0.0	2.1
8	0	0.00	0					0.0	0.0	
9		0.00								

1st Order Poly
 Conc = 2.671e-008 Area - 2.793e-003
 r = 0.9996

Scaling: None - Weighting: None



Printed: Thursday, May 26, 2011 - 12:52 PM

Solutions:
Cyanide 335.4/9012/335.1/4500

Potassium Phosphate Buffer	192771	Exp. 19 JUNE 2011
Pyridine Barbituric Acid	198998	Exp. 24 JUNE 2011
Chloramine-T	195114	Exp. 27 MAY 2011

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

**** Curve ran May 24, 2011 ****
50ppm INT STD = 193028
Curve Filename = CN052411

METHOD DESCRIPTION:

Created: Mar 26, 2011 13:05:27
 Modified: May 24, 2011 9:35:30

ANALYTE DATA:

Analyte Name: CYANIDE
 Concentration Units: mg/L
 OPERATOR: JFR Direct
 ACQ. TIME: May 26, 2011 10:37:35
 DATA FILENAME: C:\OMNION\DATA\CN05261A.FDT
 METHOD FILENAME: H:\LACHAT\LACHAT1\CYANIDE.MET
 TRAY FILENAME: H:\LACHAT\LACHAT1\CN05261A.TRA

TRAY DESCRIPTION:

Created: May 26, 2011 10:17:03
 Modified: May 26, 2011 12:03:15
 CN05261A

Multi-Channel Table

Type: Unknowns

Channel Range: 1 to 8 -- Cup Range: 1 to 30

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	CYANIDE (mg/L)
1	CCV	26 May 2011	10:37:39	1	0.2503 100%
2	CCB	26 May 2011	10:38:22	1	-0.0028 <0.01
3	LCS 480-17545/1-A	26 May 2011	10:40:01	1	0.4088 102%
4	MB 480-17545/2-A	26 May 2011	10:40:45	1	-0.0028 <0.01
5	480-5112-S-1-A	26 May 2011	10:41:27	1	-0.0028
6	480-5112-S-2-A	26 May 2011	10:42:10	1	-0.0028
7	480-5114-S-1-A	26 May 2011	10:42:53	1	-0.0028
8	480-5115-G-1-A	26 May 2011	10:43:35	1	-0.0028
9	480-5115-G-2-A	26 May 2011	10:44:18	1	-0.0028
10	480-5115-G-3-A	26 May 2011	10:45:01	1	-0.0028
11	480-5115-G-4-A	26 May 2011	10:45:44	1	-0.0028
12	480-5115-G-5-A	26 May 2011	10:46:25	1	-0.0028
13	CCV	26 May 2011	10:47:07	1	0.2438 98%
14	CCB	26 May 2011	10:47:48	1	-0.0028 <0.01
15	480-5115-G-6-A	26 May 2011	10:48:30	1	-0.0028
16	480-5115-G-7-A	26 May 2011	10:49:14	1	-0.0028
17	480-5115-G-8-A	26 May 2011	10:49:58	1	-0.0028
18	480-5115-G-9-A	26 May 2011	10:50:42	1	-0.0028
19	480-5115-G-10-A	26 May 2011	10:51:25	1	-0.0028
20	480-5115-G-12-A	26 May 2011	10:52:09	1	-0.0028
21	480-5115-G-13-A	26 May 2011	10:52:52	1	-0.0028
22	480-5115-G-14-A	26 May 2011	10:53:34	1	-0.0028
23	480-5115-G-14-B DU	26 May 2011	10:54:17	1	-0.0028
24	480-5115-G-14-C MS	26 May 2011	10:55:00	1	0.0972
25	CCV	26 May 2011	10:55:42	1	0.2471 99%
26	CCB	26 May 2011	10:56:25	1	-0.0028 <0.01
27	LCS 480-17546/1-A	26 May 2011	10:57:08	1	0.2545 102%
28	MB 480-17546/2-A	26 May 2011	10:57:49	1	-0.0028 <0.01
29	480-5100-G-4-A	26 May 2011	10:58:31	1	-0.0028
30	480-5118-G-1-A	26 May 2011	10:59:13	1	-0.0028

OPERATOR:
ACQ. TIME:
DATA FILENAME:
METHOD FILENAME:

JFR
May 26, 2011 10:37:35
C:\OMNION\DATA\CN05261A.FDT
H:\LCHAT\LCHAT1\CYANIDE.MET

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 31 to 60

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	CYANIDE (mg/L)
31	480-5118-G-2-A	26 May 2011	10:59:56	1	-0.0028
32	480-5103-C-1-A	26 May 2011	11:00:40	1	0.0235
33	480-5131-G-1-A	26 May 2011	11:01:24	1	-0.0028
34	480-5174-C-1-A	26 May 2011	11:02:08	1	0.0650
35	480-5174-C-2-A	26 May 2011	11:02:51	1	-0.0028
36	480-5143-F-5-A	26 May 2011	11:03:35	1	0.1172
37	CCV	26 May 2011	11:04:18	1	0.2431 9.7%
38	CCB	26 May 2011	11:05:01	1	-0.0028 <0.01
39	480-5158-H-1-A	26 May 2011	11:05:43	1	-0.0028
40	480-5162-H-1-A	26 May 2011	11:06:26	1	-0.0028
41	480-5162-H-2-A	26 May 2011	11:07:09	1	0.0067
42	480-5162-H-3-A	26 May 2011	11:07:51	1	-0.0028
43	480-5162-H-4-A	26 May 2011	11:08:34	1	-0.0028
44	480-5162-H-5-A	26 May 2011	11:09:16	1	-0.0028
45	480-5162-H-6-A	26 May 2011	11:09:57	1	-0.0028
46	480-5162-H-6-B DU	26 May 2011	11:10:41	1	-0.0028
47	480-5162-H-7-A	26 May 2011	11:11:25	1	-0.0028
48	480-5162-H-7-B MS	26 May 2011	11:12:09	1	0.3074
49	CCV	26 May 2011	11:12:53	1	0.2464 99%
50	CCB	26 May 2011	11:13:36	1	-0.0028 <0.01
51	MB 480-17566/1-A	26 May 2011	11:14:20	1	-0.0028 <0.01
52	LCS 480-17566/2-A	26 May 2011	11:15:04	1	0.2472 99%
53	480-5039-I-1-C	26 May 2011	11:15:47	1	-0.0028
54	480-5040-I-1-C	26 May 2011	11:16:29	1	-0.0028
55	480-5040-I-2-B	26 May 2011	11:17:12	1	-0.0028
56	480-5042-V-1-B	26 May 2011	11:17:55	1	-0.0028
57	480-5070-B-1-B	26 May 2011	11:18:37	1	0.0068
58	480-5072-C-2-B	26 May 2011	11:19:20	1	-1.1618
59	480-5072-C-3-B	26 May 2011	11:20:03	1	1.0921
60	480-5084-F-1-B	26 May 2011	11:20:46	1	0.2876

OPERATOR: JFR
 ACQ. TIME: May 26, 2011 10:37:35
 DATA FILENAME: C:\OMNION\DATA\CN05261A.FDT
 METHOD FILENAME: H:\LACHAT\LACHAT1\CYANIDE.MET

Multi-Channel Table
 Type: Unknowns
 Channel Range: 1 to 8 -- Cup Range: 61 to 90

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	CYANIDE (mg/L)
61	CCV	26 May 2011	11:21:29	1	0.2485 99.0%
62	CCB	26 May 2011	11:22:13	1	-0.0028 20.01
63	480-5072-C-1-B	26 May 2011	11:22:57	1	0.6511
64	480-5072-C-4-B	26 May 2011	11:23:41	1	0.3729
65	480-5112-S-1-B	26 May 2011	11:24:24	1	-0.0028
66	480-5112-S-1-C DU	26 May 2011	11:25:08	1	-0.0028
67	480-5112-S-2-B	26 May 2011	11:25:52	1	-0.0028
68	480-5114-S-1-B	26 May 2011	11:26:36	1	-0.0028
69	480-5115-G-1-B	26 May 2011	11:27:18	1	0.0867
70	480-5115-G-1-C MS	26 May 2011	11:28:01	1	-0.0028
71	480-5115-G-2-B	26 May 2011	11:28:44	1	-0.0028
72	480-5115-G-3-B	26 May 2011	11:29:26	1	0.2548 102.0%
73	CCV	26 May 2011	11:30:09	1	-0.0028 20.01
74	CCB	26 May 2011	11:30:52	1	-0.0028 20.01
75	MB 480-17567/1-A	26 May 2011	11:31:35	1	0.1647
76	LCS 480-17567/2-A	26 May 2011	11:32:20	1	0.0377
77	480-5115-G-4-B	26 May 2011	11:33:04	1	0.0237
78	480-5115-G-4-C DU	26 May 2011	11:33:48	1	-0.0028
79	480-5115-G-5-B	26 May 2011	11:34:32	1	0.1066
80	480-5115-G-5-C MS	26 May 2011	11:35:16	1	-0.0028
81	480-5115-G-6-B	26 May 2011	11:35:59	1	-0.0028
82	480-5115-G-7-B	26 May 2011	11:36:43	1	-0.0028
83	480-5115-G-8-B	26 May 2011	11:37:27	1	-0.0028
84	480-5115-G-9-B	26 May 2011	11:38:11	1	0.2490 99.0%
85	CCV	26 May 2011	11:38:55	1	-0.0028 20.01
86	CCB	26 May 2011	11:39:38	1	-0.0028
87	480-5162-H-8-A	26 May 2011	11:40:22	1	-0.0028
88	480-5162-H-9-A	26 May 2011	11:41:06	1	-0.0028
89	480-5162-H-10-A	26 May 2011	11:41:48	1	-0.0028
90	480-5162-H-11-A	26 May 2011	11:42:31	1	-0.0028

7 RPD=46% FAIL

OPERATOR:
ACQ. TIME:
DATA FILENAME:
METHOD FILENAME:

JFR
May 26, 2011 10:37:35
C:\OMNION\DATA\CN05261A.FDT
H:\LACHAT\LACHAT1\CYANIDE.MET

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 91 to 120

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	CYANIDE (mg/L)
91	480-5162-H-12-A	26 May 2011	11:43:16	1	0.0426
92	480-5162-H-13-A	26 May 2011	11:44:01	1	0.0315
93	480-5162-H-14-A	26 May 2011	11:44:46	1	-0.0028
94	480-5162-H-15-A	26 May 2011	11:45:30	1	-0.0028
95	480-5169-A-1-A	26 May 2011	11:46:14	1	-0.0028
96	480-5173-N-1-A	26 May 2011	11:46:58	1	-0.0028
97	CCV	26 May 2011	11:47:42	1	0.2437 97%
98	CCB	26 May 2011	11:48:25	1	-0.0028 <0.01
99	MB 480-17568/1-A	26 May 2011	11:49:09	1	-0.0028 NA
100	LCS 480-17568/2-A	26 May 2011	11:49:53	1	0.2152
101	480-5169-A-1-B;NA	26 May 2011	11:50:37	1	-0.0028
102	480-5169-A-1-C DU;NA	26 May 2011	11:51:21	1	-0.0028
103	480-5179-L-1-A	26 May 2011	11:52:05	1	-0.0028
104	480-5179-L-1-B MS	26 May 2011	11:52:49	1	0.0654
105	480-5179-M-2-A	26 May 2011	11:53:32	1	-0.0028
106	480-5188-F-1-A	26 May 2011	11:54:16	1	-0.0028
107	480-5188-F-2-A	26 May 2011	11:55:01	1	-0.0028
108	480-5205-R-1-A	26 May 2011	11:55:46	1	0.0082
109	CCV	26 May 2011	11:56:31	1	0.2519 101%
110	CCB	26 May 2011	11:57:16	1	-0.0028 <0.01
111	les 480-17567/2-a	26 May 2011	11:57:59	1	0.3476 139%
112	LCS 480-17568/2-A	26 May 2011	11:58:43	1	0.2126 86%
113	CCV	26 May 2011	11:59:27	1	0.2541 102%
114	CCB	26 May 2011	12:00:11	1	-0.0028 <0.01

Method - Ch. 1 (CYANIDE)

METHOD DESCRIPTION:

Created: Mar 26, 2011 13:05:27
 Modified: May 24, 2011 9:35:30

ANALYTE DATA:

Analyte Name: CYANIDE
 Concentration Units: mg/L
 OPERATOR: JFR
 ACQ. TIME: May 26, 2011 10:37:35
 DATA FILENAME: C:\OMNION\DATA\CN05261A.FDT
 METHOD FILENAME: H:\LACHAT\LACHAT1\CYANIDE.MET
 TRAY FILENAME: H:\LACHAT\LACHAT1\CN05261A.TRA

TRAY DESCRIPTION:

Created: May 26, 2011 10:17:03
 Modified: May 26, 2011 12:03:15
 CN05261A

Multi-Channel Table

Type: Unknowns

Channel Range: 1 to 8 -- Cup Range: 1 to 30

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	CYANIDE (uv-s)
1	CCV	26 May 2011	10:37:39	1	9476211.0000
2	CCB	26 May 2011	10:38:22	1	0.0000
3	LCS 480-17545/1-A	26 May 2011	10:40:01	1	15410279.0000
4	MB 480-17545/2-A	26 May 2011	10:40:45	1	0.0000
5	480-5112-S-1-A	26 May 2011	10:41:27	1	0.0000
6	480-5112-S-2-A	26 May 2011	10:42:10	1	0.0000
7	480-5114-S-1-A	26 May 2011	10:42:53	1	0.0000
8	480-5115-G-1-A	26 May 2011	10:43:35	1	0.0000
9	480-5115-G-2-A	26 May 2011	10:44:18	1	0.0000
10	480-5115-G-3-A	26 May 2011	10:45:01	1	0.0000
11	480-5115-G-4-A	26 May 2011	10:45:44	1	0.0000
12	480-5115-G-5-A	26 May 2011	10:46:25	1	9230144.0000
13	CCV	26 May 2011	10:47:07	1	0.0000
14	CCB	26 May 2011	10:47:48	1	0.0000
15	480-5115-G-6-A	26 May 2011	10:48:30	1	0.0000
16	480-5115-G-7-A	26 May 2011	10:49:14	1	0.0000
17	480-5115-G-8-A	26 May 2011	10:49:58	1	0.0000
18	480-5115-G-9-A	26 May 2011	10:50:42	1	0.0000
19	480-5115-G-10-A	26 May 2011	10:51:25	1	0.0000
20	480-5115-G-12-A	26 May 2011	10:52:09	1	0.0000
21	480-5115-G-13-A	26 May 2011	10:52:52	1	0.0000
22	480-5115-G-14-A	26 May 2011	10:53:34	1	0.0000
23	480-5115-G-14-B DU	26 May 2011	10:54:17	1	0.0000
24	480-5115-G-14-C MS	26 May 2011	10:55:00	1	3741581.0000
25	CCV	26 May 2011	10:55:42	1	9355098.0000
26	CCB	26 May 2011	10:56:25	1	0.0000
27	LCS 480-17546/1-A	26 May 2011	10:57:08	1	9630682.0000
28	MB 480-17546/2-A	26 May 2011	10:57:49	1	0.0000
29	480-5100-G-4-A	26 May 2011	10:58:31	1	0.0000
30	480-5118-G-1-A	26 May 2011	10:59:13	1	0.0000

OPERATOR:
ACQ. TIME:
DATA FILENAME:
METHOD FILENAME:

JFR
May 26, 2011 10:37:35
C:\OMNION\DATA\CN05261A.FDT
H:\LCHAT\LCHAT1\CYANIDE.MET

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 31 to 60

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	CYANIDE (uv-s)
31	480-5118-G-2-A	26 May 2011	10:59:56	1	0.0000
32	480-5103-C-1-A	26 May 2011	11:00:40	1	984090.0000
33	480-5131-G-1-A	26 May 2011	11:01:24	1	0.0000
34	480-5174-C-1-A	26 May 2011	11:02:08	1	2538752.0000
35	480-5174-C-2-A	26 May 2011	11:02:51	1	0.0000
36	480-5143-F-5-A	26 May 2011	11:03:35	1	4492135.0000
37	CCV	26 May 2011	11:04:18	1	9205658.0000
38	CCB	26 May 2011	11:05:01	1	0.0000
39	480-5158-H-1-A	26 May 2011	11:05:43	1	0.0000
40	480-5162-H-1-A	26 May 2011	11:06:26	1	0.0000
41	480-5162-H-2-A	26 May 2011	11:07:09	1	357037.0000
42	480-5162-H-3-A	26 May 2011	11:07:51	1	0.0000
43	480-5162-H-4-A	26 May 2011	11:08:34	1	0.0000
44	480-5162-H-5-A	26 May 2011	11:09:16	1	0.0000
45	480-5162-H-6-A	26 May 2011	11:09:57	1	0.0000
46	480-5162-H-6-B DU	26 May 2011	11:10:41	1	0.0000
47	480-5162-H-7-A	26 May 2011	11:11:25	1	0.0000
48	480-5162-H-7-B MS	26 May 2011	11:12:09	1	11614195.0000
49	CCV	26 May 2011	11:12:53	1	9330215.0000
50	CCB	26 May 2011	11:13:36	1	0.0000
51	MB 480-17566/1-A	26 May 2011	11:14:20	1	0.0000
52	LCS 480-17566/2-A	26 May 2011	11:15:04	1	9358349.0000
53	480-5039-I-1-C	26 May 2011	11:15:47	1	0.0000
54	480-5040-I-1-C	26 May 2011	11:16:29	1	0.0000
55	480-5040-I-2-B	26 May 2011	11:17:12	1	0.0000
56	480-5042-V-1-B	26 May 2011	11:17:55	1	0.0000
57	480-5070-B-1-B	26 May 2011	11:18:37	1	359072.0000
58	480-5072-C-2-B	26 May 2011	11:19:20	1	43597864.0000
59	480-5072-C-3-B	26 May 2011	11:20:03	1	40987776.0000
60	480-5084-F-1-B	26 May 2011	11:20:46	1	10870503.0000

OPERATOR: JFR
 ACQ. TIME: May 26, 2011 10:37:35
 DATA FILENAME: C:\OMNION\DATA\CN05261A.FDT
 METHOD FILENAME: H:\LACHAT\LACHAT1\CYANIDE.MET

Multi-Channel Table
 Type: Unknowns
 Channel Range: 1 to 8 -- Cup Range: 61 to 90

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	CYANIDE (uv-s)
61	CCV	26 May 2011	11:21:29	1	9407821.0000
62	CCB	26 May 2011	11:22:13	1	0.0000
63	480-5072-C-1-B	26 May 2011	11:22:57	1	24480730.0000
64	480-5072-C-4-B	26 May 2011	11:23:41	1	14064794.0000
65	480-5112-S-1-B	26 May 2011	11:24:24	1	0.0000
66	480-5112-S-1-C DU	26 May 2011	11:25:08	1	0.0000
67	480-5112-S-2-B	26 May 2011	11:25:52	1	0.0000
68	480-5114-S-1-B	26 May 2011	11:26:36	1	0.0000
69	480-5115-G-1-B	26 May 2011	11:27:18	1	0.0000
70	480-5115-G-1-C MS	26 May 2011	11:28:01	1	3351911.0000
71	480-5115-G-2-B	26 May 2011	11:28:44	1	0.0000
72	480-5115-G-3-B	26 May 2011	11:29:26	1	0.0000
73	CCV	26 May 2011	11:30:09	1	9643994.0000
74	CCB	26 May 2011	11:30:52	1	0.0000
75	MB 480-175671-A	26 May 2011	11:31:35	1	0.0000
76	LCS 480-175672-A	26 May 2011	11:32:20	1	6269274.0000
77	480-5115-G-4-B	26 May 2011	11:33:04	1	1517082.0000
78	480-5115-G-4-C DU	26 May 2011	11:33:48	1	991936.0000
79	480-5115-G-5-B	26 May 2011	11:34:32	1	0.0000
80	480-5115-G-5-C MS	26 May 2011	11:35:16	1	4094119.0000
81	480-5115-G-6-B	26 May 2011	11:35:59	1	0.0000
82	480-5115-G-7-B	26 May 2011	11:36:43	1	0.0000
83	480-5115-G-8-B	26 May 2011	11:37:27	1	0.0000
84	480-5115-G-9-B	26 May 2011	11:38:11	1	0.0000
85	CCV	26 May 2011	11:38:55	1	9426125.0000
86	CCB	26 May 2011	11:39:38	1	0.0000
87	480-5162-H-8-A	26 May 2011	11:40:22	1	0.0000
88	480-5162-H-9-A	26 May 2011	11:41:06	1	0.0000
89	480-5162-H-10-A	26 May 2011	11:41:48	1	0.0000
90	480-5162-H-11-A	26 May 2011	11:42:31	1	0.0000

OPERATOR:
ACQ. TIME:
DATA FILENAME:
METHOD FILENAME:

JFR
May 26, 2011 10:37:35
C:\OMNION\DATA\CN05261A.FDT
H:\LACHAT\LACHAT1\CYANIDE.MET

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 91 to 120

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	CYANIDE (uv-s)
91	480-5162-H-12-A	26 May 2011	11:43:16	1	1697613.0000
92	480-5162-H-13-A	26 May 2011	11:44:01	1	1282931.0000
93	480-5162-H-14-A	26 May 2011	11:44:46	1	0.0000
94	480-5162-H-15-A	26 May 2011	11:45:30	1	0.0000
95	480-5169-A-1-A	26 May 2011	11:46:14	1	0.0000
96	480-5173-N-1-A	26 May 2011	11:46:58	1	0.0000
97	CCV	26 May 2011	11:47:42	1	9227187.0000
98	CCB	26 May 2011	11:48:25	1	0.0000
99	MB 480-17568/1-A	26 May 2011	11:49:09	1	0.0000
100	LCS 480-17568/2-A	26 May 2011	11:49:53	1	8162164.0000
101	480-5169-A-1-B;NA	26 May 2011	11:50:37	1	0.0000
102	480-5169-A-1-C DU;NA	26 May 2011	11:51:21	1	0.0000
103	480-5179-L-1-A	26 May 2011	11:52:05	1	0.0000
104	480-5179-L-1-B MS	26 May 2011	11:52:49	1	2552896.0000
105	480-5179-M-2-A	26 May 2011	11:53:32	1	0.0000
106	480-5188-F-1-A	26 May 2011	11:54:16	1	0.0000
107	480-5188-F-2-A	26 May 2011	11:55:01	1	0.0000
108	480-5205-R-1-A	26 May 2011	11:55:46	1	412134.0000
109	CCV	26 May 2011	11:56:31	1	9535373.0000
110	CCB	26 May 2011	11:57:16	1	0.0000
111	ics 480-17567/2-a	26 May 2011	11:57:59	1	13116736.0000
112	LCS 480-17568/2-A	26 May 2011	11:58:43	1	8064282.0000
113	CCV	26 May 2011	11:59:27	1	9617280.0000
114	CCB	26 May 2011	12:00:11	1	0.0000

TestAmerica BUFFALO
Cyanide Distillation Logbook

Logbook# A11-01-03

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Volume (ml)	Soil Weight (g)	Spike Amount	If Spiked Please	Comments
5-25-11	PSN	US	4PM	1	50	7/11	4000	☒	
		MB	BLANK	2					
		5112	S-1	3					
		5112	S-2	4					
		5114	S-1	5					
		5115	G-1	6					
		5115	G-2	7					
		5115	G-3	8					
		5115	G-4	9					
		5115	G-5	10					
		5115	G-6	11					
		5115	G-7	12					
		5115	G-8	13					
		5115	G-9	14					
		5115	G-10	15					

Start Time _____ End Time _____ H₂S _____ Cl₂ _____ ERA Water Lot# _____

Magnesium Chloride: 194039 Cyanide Total Standard: 194039 Cyanide Free Standard: _____

Sulfamic Acid: 198812 Cyanide Intermediate Standard: 193235 0.25N NaOH: 194039

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 _____

Rev. 1
12/15/2009

123/200

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Volume (ml)	Soil Weight (g)	Spike Amount (μL)	If Spiked Please	Comments
5-25-11	PSN	5115	G-12	16	50			☒	
		5115	G-13	17					
		5115	G-14	18					
		5115	G-14 20	19					
		5115	G-14 MS	20			100	☒	
		109	2500021				250	☒	
		MB	BLANK 22						PREPARED AT BENCH
		5100	G-4	23					
		5118	G-1	24					
		5118	G-2	25					
		5103	C-1	26					
		5131	G-1	27					
		5174	C-1	28					
		5174	C-2	29					
		5143	B-3	30					

Start Time _____ End Time _____ H₂S _____ ERA Water Lot# _____

Magnesium Chloride: _____ Cyanide Total Standard: _____ ERA Soil Lot# _____ Cyanide Free Standard: _____

Sulmalic Acid: _____ Cyanide Intermediate Standard _____ 0.25N NaOH: _____

Acetate Buffer: _____ Zinc Acetate: _____

Block Temp Check: _____ Corrected Temp °C (After Correction factor has been applied) _____ Cell# _____

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) _____ Date _____

Other: _____ Reviewed By _____

Logbook# A11-01-03

[illegible]

Start Time _____ End Time _____ ERA Soil Lot# _____ Cyanide Free Standard: _____

Magnesium Chloride: _____ Cyanide Total Standard: _____ 0.25N NaOH: _____

Sulmalic Acid: _____ Cyanide Intermediate 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 _____

TestAmerica BUFFALO
Cyanide Distillation Logbook

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Volume (ml)	Soil Weight (g)	Spike Amount (ml)	If Spiked Please	Comments
5-25-11	M.D.C.	MBRK	BLANK	1	50		250	✓	
		LCS	Q0.25ppm	2					
		5039	I-1	3					
		5040	I-1	4					
		5040	I-2	5					
		5042	V-1	6					
		5070	B-1	7					
		5072	C-2	8					
		5072	C-3	9					
		5084	F-1	10					
		5072	C-1	11					
		5072	C-4	12					
		5112	S-1	13					
		5112	P-1 DU	14					
		5112	S-2	15					

ERA Water Lot#

ERA Soil Lot#

ERA Water Lot#

Cyanide Free Standard:

0.25N NaOH: 194037

H₂SO₄: 31692

Cyanide Intermediate Standard

193135

Cyanide Total Standard:

194039

Magnesium Chloride:

198812

Cyanide Free Standard:

0.25N NaOH: 194037

H₂SO₄: 31692

Cyanide Intermediate Standard

193135

Cyanide Total Standard:

194039

Magnesium Chloride:

198812

Cyanide Free Standard:

0.25N NaOH: 194037

H₂SO₄: 31692

Cyanide Intermediate Standard

193135

Cyanide Total Standard:

194039

Magnesium Chloride:

198812

Cyanide Free Standard:

0.25N NaOH: 194037

H₂SO₄: 31692

Cyanide Intermediate Standard

193135

Cyanide Total Standard:

194039

Magnesium Chloride:

198812

Cyanide Free Standard:

0.25N NaOH: 194037

H₂SO₄: 31692

Cyanide Intermediate Standard

193135

Cyanide Total Standard:

194039

Magnesium Chloride:

198812

Cyanide Free Standard:

0.25N NaOH: 194037

H₂SO₄: 31692

Cyanide Intermediate Standard

193135

Cyanide Total Standard:

194039

Magnesium Chloride:

198812

Cyanide Free Standard:

0.25N NaOH: 194037

H₂SO₄: 31692

Cyanide Intermediate Standard

193135

Cyanide Total Standard:

194039

Magnesium Chloride:

198812

Cyanide Free Standard:

0.25N NaOH: 194037

H₂SO₄: 31692

Cyanide Intermediate Standard

193135

Cyanide Total Standard:

194039

Magnesium Chloride:

198812

Cyanide Free Standard:

0.25N NaOH: 194037

H₂SO₄: 31692

Cyanide Intermediate Standard

193135

Cyanide Total Standard:

194039

Magnesium Chloride:

198812

Cyanide Free Standard:

0.25N NaOH: 194037

H₂SO₄: 31692

Cyanide Intermediate Standard

193135

Cyanide Total Standard:

194039

Magnesium Chloride:

198812

Cyanide Free Standard:

0.25N NaOH: 194037

H₂SO₄: 31692

Cyanide Intermediate Standard

193135

Cyanide Total Standard:

194039

Magnesium Chloride:

198812

126/200

Batch 17566

TestAmerica BUFFALO
Cyanide Distillation Logbook

Comments

II Spiked
Please

Spike
Amount

Soil Weight
(g)

Sample
Volume
(ml)

Dist.
Flask
#

Sample
I.D.

Job #

Analyst

Distillation
Date



(42)

16

17

18

19

20

5-114 3-1

5-115 6-1

5-115 6-1 MS

5-115 6-2

5-115 6-3

50

1

1

1

1

100

ERA Water Lot#

ERA Soil Lot#

Cyanide Free Standard:

H₂S

End Time

Cyanide Total Standard:

0.25N NaOH:

Cyanide Intermediate Standard

Zinc Acetate:

Acetate Buffer:

Block Temp Check:

Corrected Temp °C (After Correction factor has been applied)

Corrected Temp °C (After Correction factor has been applied)

Date

Reviewed By

12/7/200

See Page 126

Rev. 1
12/15/2009

Cyanide Distillation Logbook

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Volume (ml)	Soil Weight (g)	Spike Amount (μl)	If Spiked Please	Comments
5-25-11	MAL	MBLK	BLANK	1	50			✓	
		LES	@ 0.25 ppm	2			250	✓	AMMENABLE
		5169	A-1	3					AMMENABLE
		5169	A-1 DU	4					
		5179	L-1	5			100	✓	
		5179	L-1 MS	6					
		5179	M-2	7					
		5188	F-1	8					
		5188	F-2	9					
		5205	R-1	10					

Start Time 2:10 End Time _____

Cyanide Total Standard: _____

ERA Soil Lot# _____

Cyanide Free Standard: _____

0.25N NaOH: _____

Magnesium Chloride: _____

Cyanide Intermediate Standard _____

Zinc Acetate: _____

Subsulfic Acid: _____

Acetate Buffer: _____

Block Temp Check: _____

Block# _____ Measured Temp °C _____

Corrected Temp °C (After Correction factor has been applied) _____

Block# _____ Measured Temp °C _____

Corrected Temp °C (After Correction factor has been applied) _____

Reviewed By See page 126 Date _____

Other: _____

Rev. 1
12/15/2009

See page 126

BATCH 17568

TestAmerica BUFFALO
Cyanide Distillation Logbook

Comments

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Volume (ml)	Soil Weight (g)	Spike Amount	If Spiked Please	
5-25-11	MAC	MBLK	BLANK	1	50		250	✓	
		LC5	0.25 ppm	2					
		5115	G-4	3					
		5115	G-4 DV	4			100	✓	
		5115	G-5	5					
		5115	G-5 MS	6					
		5115	G-6	7					
		5115	G-7	8					
		5115	G-8	9					
		5115	G-9	10					
		5115	G-10	11	MLK				
		5115	G-12	12	MLK				
		5115	G-13	13	MLK				
		5162	H-8	11					
		5162	H-9	12					

ERA Water Lot#

ERA Soil Lot#

Cyanide Free Standard:

H₂S

Cyanide Total Standard:

0.25N NaOH:

Cyanide Intermediate Standard

Zinc Acetate:

Magnesium Chloride:

Sulfuric Acid:

Acetate Buffer:

Block Temp Check:

Block#

Measured Temp °C

Corrected Temp °C

Block#

Measured Temp °C

Corrected Temp °C

Other:

Cell#

Cell#

Reviewed By

Date

See page 126

128/200

Rev. 1

12/15/2009

17567

TestAmerica BUFFALO
Comprehensive Distillation Logbook

[illegible]

Start Time	End Time	Cl ₂	ERA Water Lot#
		H ₂ S	ERA Soil Lot#
Magnesium Chloride:	Cyanide Total Standard:	0.25N NaOH:	Cyanide Free Standard:
Sulfamic Acid:	Cyanide Intermediate Standard:		
Acetate Buffer:	Zinc Acetate:		
Block Temp Check:	Corrected Temp ° C (After Correction factor has been applied)	Cell#	
Block#	Measured Temp °C	Cell#	Date
	Corrected Temp ° C (After Correction factor has been applied)		

250

Rev. 1
12/15/2009

See fax 126

129/200

18601

CYANIDE

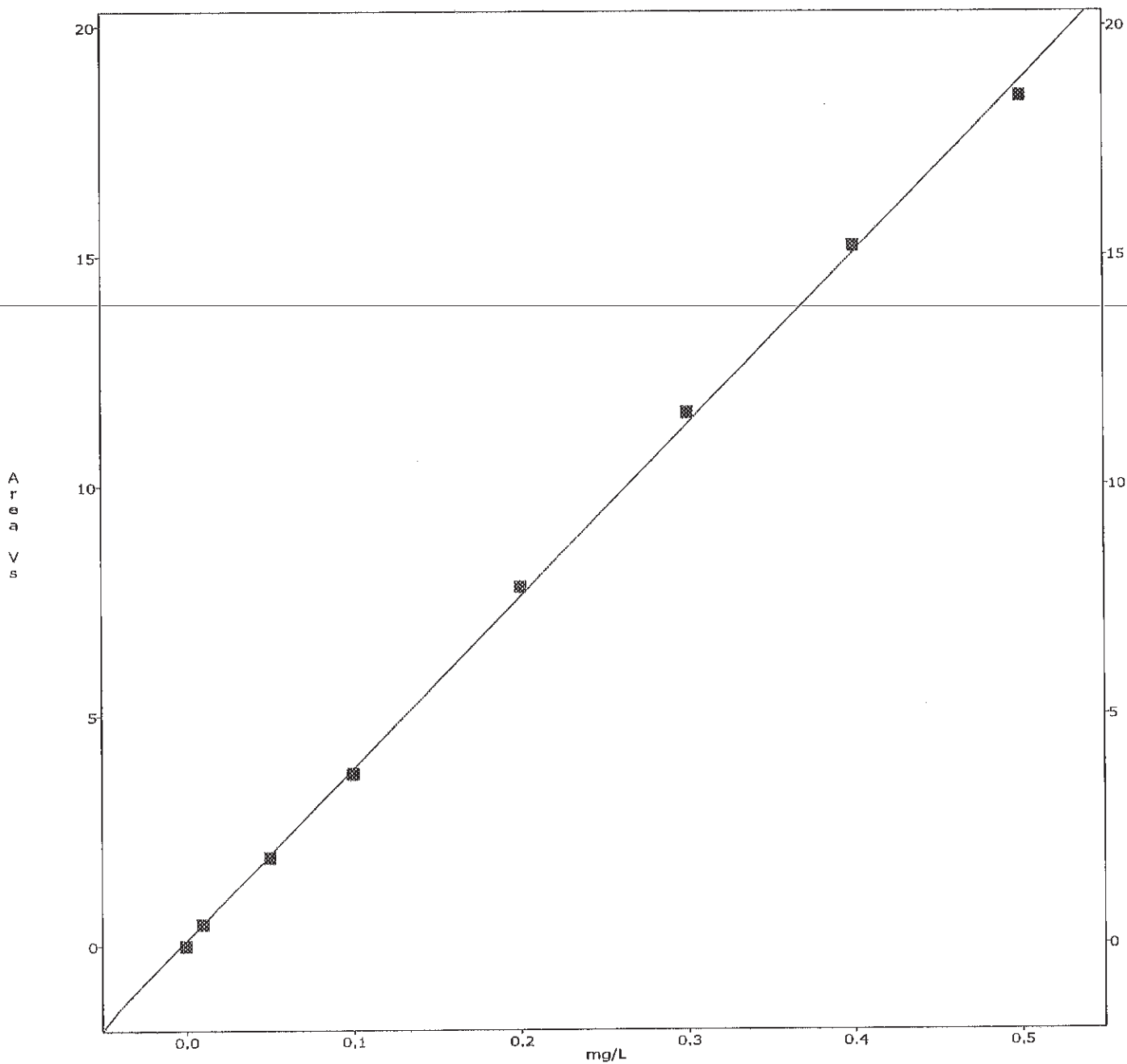
Lvl	Area	mg/L	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Replic STD	Replic % RSD	Residual 1st Poly
1	18483444	0.50	18483444					0.0	0.0	1.8
2	15226675	0.40	15226675					0.0	0.0	-1.0
3	11586957	0.30	11586957					0.0	0.0	-2.2
4	7796468	0.20	7796468					0.0	0.0	-2.7
5	3745959	0.10	3745959					0.0	0.0	2.7
6	1927002	0.05	1927002					0.0	0.0	2.6
7	470925	0.01	470925					0.0	0.0	2.1
8	0	0.00	0					0.0	0.0	
9		0.00						0.0	0.0	

1st Order Poly

Conc = 2.671e-008 Area - 2.793e-003

r = 0.9996

Scaling: None - Weighting: None



Solutions:
Cyanide 335.4/9012/335.1/4500

Potassium Phosphate Buffer	215306	Exp. 03 JULY 2011
Pyridine Barbituric Acid	208638	Exp. 28 JUNE 2011
Chloramine-T	208282	Exp. 04 JUNE 2011

LCS = 0.4mg/L, 0.25mg/L
CCV = 0.25mg/L
MS/SD = 0.1mg/L

<u>ERA D064-541</u>	Actual = 31.5 mg/Kg
	Range = 10.8 - 45.4 mg/Kg

<u>ERA D067-541</u>	Actual = 44.0 mg/Kg
	Range = 12.8 - 53.8 mg/Kg

**** Curve ran May 24, 2011 ****
50ppm INT STD = 193028
Curve Filename = CN052411

Method - Ch. 1 (CYANIDE)

METHOD DESCRIPTION:

Created: Mar 26, 2011 13:05:27
 Modified: May 24, 2011 9:35:30

ANALYTE DATA:

Analyte Name: CYANIDE
 Concentration Units: mg/L
 OPERATOR: jmun Direct
 ACQ. TIME: Jun 3, 2011 14:34:04
 DATA FILENAME: C:\OMNION\DATA\CN06031A.FDT
 METHOD FILENAME: H:\LACHAT\LACHAT\CYANIDE.MET
 TRAY FILENAME: H:\LACHAT\LACHAT\CN06031A.TRA

TRAY DESCRIPTION:

Created: Jun 3, 2011 13:54:28
 Modified: Jun 3, 2011 15:44:49
 CN006011A

Multi-Channel Table

Type: Unknowns

Channel Range: 1 to 8 -- Cup Range: 1 to 30

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	CYANIDE (mg/L)
1	CCV	03 Jun 2011	14:34:08	1	0.2353 94%
2	CCB	03 Jun 2011	14:34:51	1	-0.0028 ND
3	MB LCS 480-18266/1-A	03 Jun 2011	14:40:32	1	-0.0028 ND
4	MB 480-18266/2-A	03 Jun 2011	14:41:14	1	0.4234 106%
5	480-5341-E-13-A	03 Jun 2011	14:41:57	1	-0.0028
6	480-5341-E-28-A	03 Jun 2011	14:42:40	1	-0.0028
7	480-5346-G-1-A	03 Jun 2011	14:43:23	1	-0.0028
8	480-5346-G-2-A	03 Jun 2011	14:44:05	1	-0.0028
9	480-5346-G-3-A	03 Jun 2011	14:44:48	1	-0.0028
11	480-5346-G-5-A	03 Jun 2011	14:45:31	1	-0.0028
12	480-5346-G-6-A	03 Jun 2011	14:46:12	1	-0.0028
13	CCV	03 Jun 2011	14:46:54	1	0.2358 94%
14	CCB	03 Jun 2011	14:47:35	1	-0.0028 ND
15	MB 480-18302/1-A	03 Jun 2011	14:48:17	1	-0.0028 ND
16	LCS 480-18302/2-A	03 Jun 2011	14:49:01	1	0.2840 114%
17	480-4629-A-1-B	03 Jun 2011	14:49:45	1	-0.0028
18	480-5280-C-5-C	03 Jun 2011	14:50:29	1	-0.0028
19	480-5280-C-6-B	03 Jun 2011	14:51:12	1	-0.0028
20	480-5072-C-1-C	03 Jun 2011	14:51:56	1	0.8310
21	480-5072-C-2-C	03 Jun 2011	14:52:39	1	1.8362
22	480-5072-C-3-C	03 Jun 2011	14:53:22	1	1.0614
23	480-5346-G-7-A	03 Jun 2011	14:54:04	1	-0.0028
24	480-5346-G-8-A	03 Jun 2011	14:54:47	1	-0.0028
25	CCV	03 Jun 2011	14:55:30	1	0.2413 97%
26	CCB	03 Jun 2011	14:56:12	1	-0.0028 ND
27	480-5346-G-1-B DU	03 Jun 2011	14:56:55	1	-0.0028 RPD = ND
28	480-5346-G-2-B MS	03 Jun 2011	14:57:37	1	0.1093 MS = 109%
29	480-5364-F-1-A	03 Jun 2011	14:58:18	1	-0.0028
30	480-5364-F-1-B DU	03 Jun 2011	14:59:00	1	0.0322

OPERATOR: jmm
 ACQ. TIME: Jun 3, 2011 14:34:04
 DATA FILENAME: C:\OMNION\DATA\CN06031A.FDT
 METHOD FILENAME: H:\LACHAT\LACHAT1\CYANIDE.MET

Multi-Channel Table
 Type: Unknowns
 Channel Range: 1 to 8 -- Cup Range: 31 to 60

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	CYANIDE (mg/L)
31	480-5364-F-2-A	03 Jun 2011	14:59:44	1	-0.0028
32	480-5364-F-2-B MS	03 Jun 2011	15:00:28	1	0.1163 MS = 116%
33	480-5364-F-3-A	03 Jun 2011	15:01:11	1	-0.0028
34	480-5364-F-4-A	03 Jun 2011	15:01:55	1	-0.0028
35	480-5364-F-4-B MS	03 Jun 2011	15:02:39	1	0.1108 MS = 111%
36	480-5364-F-4-C MSD	03 Jun 2011	15:03:23	1	0.1145 MS = 115%
37	CCV	03 Jun 2011	15:04:05	1	0.2425 97%
38	CCB	03 Jun 2011	15:04:48	1	-0.0028 ND
39	MB 480-18477/1-A	03 Jun 2011	15:05:31	1	-0.0028 ND
40	LCS 480-18477/2-A	03 Jun 2011	15:06:14	1	0.4339 108%
41	480-5346-G-4-A	03 Jun 2011	15:06:56	1	-0.0028
42	480-5346-G-4-B DU	03 Jun 2011	15:07:39	1	-0.0028 REP = ND
43	480-5364-F-5-A	03 Jun 2011	15:08:22	1	-0.0028
44	480-5364-F-6-A	03 Jun 2011	15:09:03	1	-0.0028
45	480-5364-F-6-B MS	03 Jun 2011	15:09:45	1	0.1264 MS = 126%
46	480-5364-F-7-A	03 Jun 2011	15:10:29	1	-0.0028
47	480-5364-F-8-A	03 Jun 2011	15:11:13	1	-0.0028
48	480-5364-F-9-A	03 Jun 2011	15:11:56	1	-0.0028
49	CCV	03 Jun 2011	15:12:40	1	0.2454 98%
50	CCB	03 Jun 2011	15:13:24	1	-0.0028 ND
51	480-5364-F-10-A	03 Jun 2011	15:14:08	1	-0.0028
52	480-5364-F-11-A	03 Jun 2011	15:14:51	1	-0.0028
53	480-5364-F-12-A	03 Jun 2011	15:15:34	1	-0.0028
54	480-5364-F-13-A	03 Jun 2011	15:16:17	1	-0.0028
55	480-5364-F-14-A	03 Jun 2011	15:17:00	1	-0.0028
56	480-5364-F-15-A	03 Jun 2011	15:17:42	1	-0.0028
57	480-5364-F-16-A	03 Jun 2011	15:18:25	1	-0.0028
58	480-5364-F-17-A	03 Jun 2011	15:19:08	1	-0.0028
59	480-5364-F-18-A	03 Jun 2011	15:19:50	1	-0.0028
60	480-5365-D-1-A	03 Jun 2011	15:20:33	1	-0.0028

OPERATOR: jmm
 ACQ. TIME: Jun 3, 2011 14:34:04
 DATA FILENAME: C:\OMNION\DATA\CN06031A.FDT
 METHOD FILENAME: H:\LACHAT\LACHAT1\CYANIDE.MET

Multi-Channel Table
 Type: Unknowns
 Channel Range: 1 to 8 -- Cup Range: 61 to 90

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	CYANIDE (mg/L)
61	CCV	03 Jun 2011	15:21:18	1	0.2472 99%
62	CCB	03 Jun 2011	15:22:02	1	-0.0028 ND
63	MB 480-18478/1-A	03 Jun 2011	15:22:45	1	-0.0028 ND
64	LCS 480-18478/2-A	03 Jun 2011	15:23:29	1	0.4102 103%
65	480-5365-D-2-A	03 Jun 2011	15:24:13	1	-0.0028
66	480-5365-D-2-B DU	03 Jun 2011	15:24:57	1	-0.0028 RPD = ND
67	480-5383-E-1-A	03 Jun 2011	15:25:41	1	-0.0028
68	480-5383-E-1-B MS	03 Jun 2011	15:26:24	1	0.1149 MS = 115%
69	480-5394-F-1-A	03 Jun 2011	15:27:07	1	-0.0028
70	480-5396-F-1-A	03 Jun 2011	15:27:50	1	-0.0028
71	480-5396-F-2-A	03 Jun 2011	15:28:33	1	-0.0028
72	480-5396-F-3-A	03 Jun 2011	15:29:15	1	-0.0028
73	CCV	03 Jun 2011	15:29:58	1	0.2417 97%
74	CCB	03 Jun 2011	15:32:47	1	-0.0028 ND
75	LCS 480-18302/2-A*	03 Jun 2011	15:33:30	1	0.2772
76	480-5072-C-1-C@5	03 Jun 2011	15:34:15	1	$0.1709 \times 5 = 0.8545$
77	480-5072-C-2-C@10	03 Jun 2011	15:35:00	1	$0.2934 \times 10 = 2.934$
78	480-5072-C-3-C@5	03 Jun 2011	15:35:43	1	$0.2105 \times 5 = 1.0525$
79	480-5364-F-1-B DU*	03 Jun 2011	15:36:28	1	0.0302
85	CCV	03 Jun 2011	15:37:36	1	0.2422 97%
86	CCB	03 Jun 2011	15:38:19	1	-0.0028 ND
87	CCV1 IDOC-MD	03 Jun 2011	15:39:02	1	0.2345 94%
88	CCV2 IDOC-MD	03 Jun 2011	15:39:44	1	0.2238 89.5% - See below, Cup 91
89	CCV3 IDOC-MD	03 Jun 2011	15:40:27	1	0.2313 93%
90	CCV4 IDOC-MD	03 Jun 2011	15:41:10	1	0.2416 97%

OPERATOR: jmm
ACQ. TIME: Jun 3, 2011 14:34:04
DATA FILENAME: C:\OMNION\DATA\CN06031A.FDT
METHOD FILENAME: H:\LACHAT\LACHAT1\CYANIDE.MET

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 91 to 120

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	CYANIDE (mg/L)
91	CCVI IDOC-MD*	03 Jun 2011	15:44:16	1	0.2445 98%
95	CCB IDOC-MD	03 Jun 2011	15:45:00	1	-0.0028 ND

Method - Ch. 1 (CYANIDE)

METHOD DESCRIPTION:

Created: Mar 26, 2011 13:05:27
 Modified: May 24, 2011 9:35:30

ANALYTE DATA:

Analyte Name: CYANIDE
 Concentration Units: mg/L
 OPERATOR: jmm Direct
 ACQ. TIME: Jun 3, 2011 14:34:04
 DATA FILENAME: C:\OMNION\DATA\CN06031A.FDT
 METHOD FILENAME: H:\LACHAT\LACHAT\CYANIDE.MET
 TRAY FILENAME: H:\LACHAT\LACHAT\CN06031A.TRA

TRAY DESCRIPTION:

Created: Jun 3, 2011 13:54:28
 Modified: Jun 3, 2011 15:44:49
 CN06011A

Multi-Channel Table

Type: Unknowns

Channel Range: 1 to 8 -- Cup Range: 1 to 30

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	CYANIDE (uv-s)
1	CCV	03 Jun 2011	14:34:08	1	8913459.0000
2	CCB	03 Jun 2011	14:34:51	1	0.0000
3	LCS 480-18266/1-A	03 Jun 2011	14:40:32	1	0.0000
4	MB 480-18266/2-A	03 Jun 2011	14:41:14	1	15954829.0000
5	480-5341-E-13-A	03 Jun 2011	14:41:57	1	0.0000
6	480-5341-E-28-A	03 Jun 2011	14:42:40	1	0.0000
7	480-5346-G-1-A	03 Jun 2011	14:43:23	1	0.0000
8	480-5346-G-2-A	03 Jun 2011	14:44:05	1	0.0000
9	480-5346-G-3-A	03 Jun 2011	14:44:48	1	0.0000
11	480-5346-G-5-A	03 Jun 2011	14:45:31	1	0.0000
12	480-5346-G-6-A	03 Jun 2011	14:46:12	1	0.0000
13	CCV	03 Jun 2011	14:46:54	1	8930727.0000
14	CCB	03 Jun 2011	14:47:35	1	0.0000
15	MB 480-18302/1-A	03 Jun 2011	14:48:17	1	0.0000
16	LCS 480-18302/2-A	03 Jun 2011	14:49:01	1	10735488.0000
17	480-4629-A-1-B	03 Jun 2011	14:49:45	1	0.0000
18	480-5280-C-5-C	03 Jun 2011	14:50:29	1	0.0000
19	480-5280-C-6-B	03 Jun 2011	14:51:12	1	0.0000
20	480-5072-C-1-C	03 Jun 2011	14:51:56	1	31215924.0000
21	480-5072-C-2-C	03 Jun 2011	14:52:39	1	58845720.0000
22	480-5072-C-3-C	03 Jun 2011	14:53:22	1	39839884.0000
23	480-5346-G-7-A	03 Jun 2011	14:54:04	1	0.0000
24	480-5346-G-8-A	03 Jun 2011	14:54:47	1	0.0000
25	CCV	03 Jun 2011	14:55:30	1	9139712.0000
26	CCB	03 Jun 2011	14:56:12	1	0.0000
27	480-5346-G-1-B DU	03 Jun 2011	14:56:55	1	0.0000
28	480-5346-G-2-B MS	03 Jun 2011	14:57:37	1	4195303.0000
29	480-5364-F-1-A	03 Jun 2011	14:58:18	1	0.0000
30	480-5364-F-1-B DU	03 Jun 2011	14:59:00	1	1308723.0000

OPERATOR: jmm
 ACQ. TIME: Jun 3, 2011 14:34:04
 DATA FILENAME: C:\OMNION\DATA\CN06031A.FDT
 METHOD FILENAME: H:\LACHAT\LACHAT1\CYANIDE.MET

Multi-Channel Table
 Type: Unknowns
 Channel Range: 1 to 8 -- Cup Range: 31 to 60

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	CYANIDE (uv-s)
31	480-5364-F-2-A	03 Jun 2011	14:59:44	1	0.0000
32	480-5364-F-2-B MS	03 Jun 2011	15:00:28	1	4459226.0000
33	480-5364-F-3-A	03 Jun 2011	15:01:11	1	0.0000
34	480-5364-F-4-A	03 Jun 2011	15:01:55	1	0.0000
35	480-5364-F-4-B MS	03 Jun 2011	15:02:39	1	4253888.0000
36	480-5364-F-4-C MSD	03 Jun 2011	15:03:23	1	4390964.0000
37	CCV	03 Jun 2011	15:04:05	1	9181786.0000
38	CCB	03 Jun 2011	15:04:48	1	0.0000
39	MB 480-18477/1-A	03 Jun 2011	15:05:31	1	0.0000
40	LCS 480-18477/2-A	03 Jun 2011	15:06:14	1	16347008.0000
41	480-5346-G-4-A	03 Jun 2011	15:06:56	1	0.0000
42	480-5346-G-4-B DU	03 Jun 2011	15:07:39	1	0.0000
43	480-5364-F-5-A	03 Jun 2011	15:08:22	1	0.0000
44	480-5364-F-6-A	03 Jun 2011	15:09:03	1	0.0000
45	480-5364-F-6-B MS	03 Jun 2011	15:09:45	1	4834983.0000
46	480-5364-F-7-A	03 Jun 2011	15:10:29	1	0.0000
47	480-5364-F-8-A	03 Jun 2011	15:11:13	1	0.0000
48	480-5364-F-9-A	03 Jun 2011	15:11:56	1	0.0000
49	CCV	03 Jun 2011	15:12:40	1	9292480.0000
50	CCB	03 Jun 2011	15:13:24	1	0.0000
51	480-5364-F-10-A	03 Jun 2011	15:14:08	1	0.0000
52	480-5364-F-11-A	03 Jun 2011	15:14:51	1	0.0000
53	480-5364-F-12-A	03 Jun 2011	15:15:34	1	0.0000
54	480-5364-F-13-A	03 Jun 2011	15:16:17	1	0.0000
55	480-5364-F-14-A	03 Jun 2011	15:17:00	1	0.0000
56	480-5364-F-15-A	03 Jun 2011	15:17:42	1	0.0000
57	480-5364-F-16-A	03 Jun 2011	15:18:25	1	0.0000
58	480-5364-F-17-A	03 Jun 2011	15:19:08	1	0.0000
59	480-5364-F-18-A	03 Jun 2011	15:19:50	1	0.0000
60	480-5365-D-1-A	03 Jun 2011	15:20:33	1	0.0000

OPERATOR: jmm
 ACQ. TIME: Jun 3, 2011 14:34:04
 DATA FILENAME: C:\OMNION\DATA\CN06031A.FDT
 METHOD FILENAME: H:\LACHAT\LACHAT1\CYANIDE.MET

Multi-Channel Table
 Type: Unknowns
 Channel Range: 1 to 8 -- Cup Range: 61 to 90

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	CYANIDE (uv-s)
61	CCV	03 Jun 2011	15:21:18	1	9358003.0000
62	CCB	03 Jun 2011	15:22:02	1	0.0000
63	MB 480-18478/1-A	03 Jun 2011	15:22:45	1	0.0000
64	LCS 480-18478/2-A	03 Jun 2011	15:23:29	1	15460890.0000
65	480-5365-D-2-A	03 Jun 2011	15:24:13	1	0.0000
66	480-5365-D-2-B DU	03 Jun 2011	15:24:57	1	0.0000
67	480-5383-E-1-A	03 Jun 2011	15:25:41	1	0.0000
68	480-5383-E-1-B MS	03 Jun 2011	15:26:24	1	4407885.0000
69	480-5394-F-1-A	03 Jun 2011	15:27:07	1	0.0000
70	480-5396-F-1-A	03 Jun 2011	15:27:50	1	0.0000
71	480-5396-F-2-A	03 Jun 2011	15:28:33	1	0.0000
72	480-5396-F-3-A	03 Jun 2011	15:29:15	1	0.0000
73	CCV	03 Jun 2011	15:29:58	1	9151322.0000
74	CCB	03 Jun 2011	15:32:47	1	0.0000
75	LCS 480-18302/2-A*	03 Jun 2011	15:33:30	1	10482983.0000
76	480-5072-C-1-C@5	03 Jun 2011	15:34:15	1	6501620.0000
77	480-5072-C-2-C@10	03 Jun 2011	15:35:00	1	11087552.0000
78	480-5072-C-3-C@5	03 Jun 2011	15:35:43	1	7984436.0000
79	480-5364-F-1-B DU*	03 Jun 2011	15:36:28	1	1234598.0000
85	CCV	03 Jun 2011	15:37:36	1	9170650.0000
86	CCB	03 Jun 2011	15:38:19	1	0.0000
87	CCV1 IDOC-MD	03 Jun 2011	15:39:02	1	8883175.0000
88	CCV2 IDOC-MD	03 Jun 2011	15:39:44	1	8484467.0000
89	CCV3 IDOC-MD	03 Jun 2011	15:40:27	1	8764570.0000
90	CCV4 IDOC-MD	03 Jun 2011	15:41:10	1	9149325.0000

OPERATOR: jmm
ACQ. TIME: Jun 3, 2011 14:34:04
DATA FILENAME: C:\OMNION\DATA\CN06031A.FDT
METHOD FILENAME: H:\LACHAT\LACHAT1\CYANIDE.MET

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 91 to 120

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	CYANIDE (uv-s)
91	CCVI IDOC-MD*	03 Jun 2011	15:44:16	1	9257536.0000
95	CCB IDOC-MD	03 Jun 2011	15:45:00	1	0.0000

Cyanide Distillation Logbook

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Volume (ml)	Soil Weight (g)	Spike Amount	If Spiked Please	Comments
6-1-11	MOL	MBLK	BLANK	1	50			☒	
		LCS	@ 0.25 ppm	2			250	☒	
		4629	A-1	3					
		5280	C-5	4					
		5280	C-6	5					
		5072	C-1	6					
		5072	C-2	7					
		5072	C-3	8					
		5346	G-7	9					
		5346	G-8	10					
		5346	G-1 DU	11			100	☒	For Jim
		5346	G-2 MS	12					For Jim
		5364	F-1	13					
		5364	F-1 DU	14					
		5364	F-2	15					

Not at
BLUEP

Start Time 18:30 End Time _____ H₂S _____ Cl₂ _____ ERA Water Lot# _____
 Magnesium Chloride: 194039 Cyanide Total Standard: _____ ERA Soil Lot# 203202
 Sulfamic Acid: 198812 Cyanide Intermediate Standard 193135 0.25N NaOH: 194037 mk Cyanide Free Standard: _____

Methyl Red
H₂SO₄ 3/692

Zinc Acetate: _____

Acetate Buffer: _____

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# _____

Reviewed By _____ Date _____

Other: _____

Batch 18302

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145/200

Logbook# A11-01-03

[illegible]

Start Time _____	End Time _____	H ₂ S _____	Cl ₂ _____	ERA Water Lot# _____
Magnesium Chloride: _____	Cyanide Total Standard: _____	ERA Soil Lot# _____		
Sulmalic Acid: _____	Cyanide Intermediate Standard _____	0.25N NaOH: _____		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 _____

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TestAmerica BUFFALO
Cyanide Distillation Logbook

Logbook# A11-01-03

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Volume (ml)	Soil Weight (g)	Spike Amount	If Spiked Please	Comments
6-2-11	MAL	MBLK	BLANK	1	50			☒	
		LCS	@0.4ppm	2			400	☒	
		5346	G-4	3					
		5346	G-4 DU	4					
		5364	F-5	5					
		5364	F-6	6					
		5364	F-6 MS	7			100	☒	
		5364	F-7	8					
		5364	F-8	9					
		5364	F-9	10					
		5364	F-10	11					
		5364	F-11	12					
		5364	F-12	13					
		5364	F-13	14					
		5364	F-14	15					

Start Time 16:20 End Time 194039 H₂S ☒ Cl₂ ☒ ERA Water Lot#
 Magnesium Chloride: 194039 Cyanide Total Standard: ERA Soil Lot#
 Sulfuric Acid: 198812 Cyanide Intermediate Standard 212786 0.25N NaOH: 203202 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

BATCH 18477

Rev. 1
12/15/2009

1.0 3814522

Logbook# A11-01-03

Start Time _____ End Time _____ H₂S _____ Cl₂ _____ ERA Water Lot# _____

Magnesium Chloride: _____ ERA Soil Lot# _____

Cyanide Total Standard: _____

Cyanide Intermediate Standard _____ 0.25N NaOH: _____ Cyanide Free Standard: _____

Acetate Buffer:

Block Temp Check:

[illegible]

Block#		Measured Temp °C	Corrected Temp ° C (After Correction factor has been applied)	Cell#

Reviewed By _____ Date _____

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Historical Data Summary Report

For Batch 18601

Data												
Lab Sample ID	Client Sample	Method	Analyte	Prep Type	Unit	Points	Dilution	Result	Fail 3-Sigma Limits	Fail Client Limits		
480-5280-C-5-C	MW-25	335.4	Cyanide, Total	Total/NA	mg/L	4	1.0	ND	☐ 0-0	☐ 0-0	☐	0-0
480-5280-C-6-B	MW-26	335.4	Cyanide, Total	Total/NA	mg/L	5	1.0	ND	☐ 0-0	☐ 0-0	☐	0-0
480-5341-E-13-A	MW-15	335.4	Cyanide, Total	Total/NA	mg/L	8	1.0	ND	☐ 0-0	☐ 0-0	☐	0-0
480-5341-E-28-A	RMW-39	335.4	Cyanide, Total	Total/NA	mg/L	7	1.0	ND	☐ 0-0	☐ 0-0	☐	0-0
480-5346-G-1-A	G31M	9012A	Total Cyanide	Total/NA	mg/L	8	1.0	ND	☐ 0-0	☐ 0-0	☐	0-0
480-5346-G-2-A	R02U	9012A	Total Cyanide	Total/NA	mg/L	8	1.0	ND	☐ 0-0	☐ 0-0	☐	0-0
480-5346-G-3-A	G37M	9012A	Total Cyanide	Total/NA	mg/L	8	1.0	ND	☐ 0-0	☐ 0-0	☐	0-0
480-5346-G-4-A	G35U	9012A	Total Cyanide	Total/NA	mg/L	8	1.0	ND	☐ 0-0	☐ 0-0	☐	0-0
480-5346-G-5-A	G38M	9012A	Total Cyanide	Total/NA	mg/L	8	1.0	ND	☐ 0-0	☐ 0-0	☐	0-0
480-5346-G-6-A	G36M	9012A	Total Cyanide	Total/NA	mg/L	8	1.0	ND	☐ 0-0	☐ 0-0	☐	0-0
480-5346-G-7-A	G40M	9012A	Total Cyanide	Total/NA	mg/L	8	1.0	ND	☐ 0-0	☐ 0-0	☐	0-0
480-5346-G-8-A	G11U	9012A	Total Cyanide	Total/NA	mg/L	8	1.0	ND	☐ 0-0	☐ 0-0	☐	0-0
480-5365-D-1-A	DSI-L-AST	9012A	Cyanide, Total	Total/NA	mg/L	4	1.0	ND	☐ 0-0	☐ 0-0	☐	0-0
480-5365-D-2-A	DSI-L-UST	9012A	Cyanide, Total	Total/NA	mg/L	4	1.0	ND	☐ 0-0	☐ 0-0	☐	0-0
480-5394-F-1-A	R28M	9012A	Total Cyanide	Total/NA	mg/L	8	1.0	ND	☐ 0-0	☐ 0-0	☐	0-0
480-5396-F-1-A	G46D	9012A	Total Cyanide	Total/NA	mg/L	8	1.0	ND	☐ 0-0	☐ 0-0	☐	0-0
480-5396-F-2-A	G48D	9012A	Total Cyanide	Total/NA	mg/L	8	1.0	ND	☐ 0-0	☐ 0-0	☐	0-0
480-5396-F-3-A	G50D	9012A	Total Cyanide	Total/NA	mg/L	8	1.0	ND	☐ 0-0	☐ 0-0	☐	0-0

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.: _____

Batch Number: 17546 Batch Start Date: 05/25/11 12:00 Batch Analyst: Rojecki, James

Batch Method: 9012A Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WC_CN_5Oppm 00011		
LCS 480-17546/1		9012A, 9012A		50 mL	50 mL	250 uL		
MB 480-17546/2		9012A, 9012A		50 mL	50 mL			
480-5174-C-1	MW-8DR	9012A, 9012A	T	50 mL	50 mL			
480-5174-C-2	EQUIPMENT BLANK	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.: 480-5072-1

SDG No.: _____

Batch Number: 17566 Batch Start Date: 05/25/11 16:35 Batch Analyst: Leader, Michael

Batch Method: 9012A Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	SulfideCheck	ChlorineCheck	WC_CN_50ppm 00011
MB 480-17566/1		9012A, 9012A		50 mL	50 mL			
LCS 480-17566/2		9012A, 9012A		50 mL	50 mL			250 uL
480-5072-C-1	DW-1R	9012A, 9012A	T	50 mL	50 mL	0	0	
480-5072-C-4	DW-3R	9012A, 9012A	T	50 mL	50 mL	0	0	

Batch Notes	
Methyl Red Indicator Reagent ID	146943
Magnesium Chloride Reagent ID Number	194039
Sodium Hydroxide Reagent ID Number	194037
Sulfamic Acid Reagent ID Number	198812
Sulfuric Acid Reagent ID Number	31692

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.: _____

Batch Number: 17770 Batch Start Date: 05/26/11 10:37 Batch Analyst: Rojecki, James

Batch Method: 9012A Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WC_CNLI INT 00014		
CCV 480-17770/25		9012A		50 mL	50 mL	0.25 mL		
CCB 480-17770/26		9012A		50 mL				
LCS 480-17546/1-A		9012A		50 mL				
MB 480-17546/2-A		9012A		50 mL				
480-5174-C-1-A	MW-8DR	9012A	T	50 mL				
480-5174-C-2-A	EQUIPMENT BLANK	9012A	T	50 mL				
CCV 480-17770/37		9012A		50 mL	50 mL	0.25 mL		
CCB 480-17770/38		9012A		50 mL				
CCV 480-17770/49		9012A		50 mL	50 mL	0.25 mL		
CCB 480-17770/50		9012A		50 mL				
MB 480-17566/1-A		9012A		50 mL				
LCS 480-17566/2-A		9012A		50 mL				
CCV 480-17770/61		9012A		50 mL	50 mL	0.25 mL		
CCB 480-17770/62		9012A		50 mL				
480-5072-C-1-B	DW-1R	9012A	T	50 mL				
480-5072-C-4-B	DW-3R	9012A	T	50 mL				
CCV 480-17770/73		9012A		50 mL	50 mL	0.25 mL		
CCB 480-17770/74		9012A		50 mL				

Batch Notes	

Basis Description	
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.: _____

Batch Number: 18302 Batch Start Date: 06/01/11 18:30 Batch Analyst: Leader, Michael

Batch Method: 9012A Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WC_CN_50ppm 00010		
MB 480-18302/1		9012A, 9012A		50 mL	50 mL			
LCS 480-18302/2		9012A, 9012A		50 mL	50 mL	250 uL		
480-5072-C-1	DW-1R	9012A, 9012A	T	50 mL	50 mL			
480-5072-C-2	MW-3DR	9012A, 9012A	T	50 mL	50 mL			
480-5072-C-3	MW-3DR DUP	9012A, 9012A	T	50 mL	50 mL			

Batch Notes	
Methyl Red Indicator Reagent ID	146943
Magnesium Chloride Reagent ID Number	194039
Sodium Hydroxide Reagent ID Number	203202
Sulfamic Acid Reagent ID Number	198812
Sulfuric Acid Reagent ID Number	31692

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-5072-1

SDG No.: _____

Batch Number: 18601 Batch Start Date: 06/03/11 14:34 Batch Analyst: Deplato, Michael

Batch Method: 9012A Batch End Date: 06/03/11 15:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WC_CNLI INT _00015		
CCV 480-18601/12		9012A		50 mL	50 mL	0.25 mL		
CCV 480-18601/24		9012A		50 mL	50 mL	0.25 mL		
CCV 480-18601/36		9012A		50 mL	50 mL	0.25 mL		
CCV 480-18601/72		9012A		50 mL	50 mL	0.25 mL		
CCV 480-18601/79		9012A		50 mL	50 mL	0.25 mL		

Batch Notes	

Basis	Basis Description

Shipping and Receiving Documents

Client Information Client Contact: Mr. Bryan Massa Company: META Environmental Address: 49 Clarendon Street City: Watertown State: MA, 02472 Phone: 508-771-4556(Tel) Email: bmassa@metainv.com Project Name: RG&E East Station, Former MPG Site Site:		Lab PM: Giglia, Denise E-Mail: denise.giglia@metainv.com Phone: 617-650-6426		Carrier Tracking Info: DOC No: 480-13435-2637.1 Page: Page 1 of 1 Job #:	
Analysis Requested					
Due Date Requested: TAT Requested (days):		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Ammonia H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:			
PO #: 4700139970 WO #: East Station/Sieve Muffin Project #: 48003354 SSOW#:		Special Instructions/Note:			
Sample Identification		Total Number of Containers			
Sample Date Sample Time Sample Type (C=Com, G=grab) Preservation Code: Field Filtered Sample (Yes or No)		9012A - Cyanide, Total B270C - PAH Samvolatiles B260B - BTEX - B260			
DW-12 MW-3DR MW-3DR-2VP DW-3R		Water Water Water Water Water Water Water Water			
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months			
Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/OC Requirements:			
Empty Kit Relinquished by		Method of Shipment:			
Date:		Time:			
Delivered by: 5/18/11 15:00 Received by: 5-18-11 16:50 Delivered by: 5-18-11 16:50 Received by: 5-18-11 16:50		Company: META Company: BFL Company: BFL Company: BFL			
Custody Seal Subject: A Yes A No Custody Seal No.		Cooler Temperature(s) To and Other Remarks: 3.9			

Login Sample Receipt Checklist

Client: META Environmental

Job Number: 480-5072-1

Login Number: 5072

List Source: TestAmerica Buffalo

List Number: 1

Creator: Wienke, Robert

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	

Login Sample Receipt Checklist

Client: META Environmental

Job Number: 480-5072-1

Login Number: 5174

List Source: TestAmerica Buffalo

List Number: 1

Creator: Rabb, Mike

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	RG&E
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	