

**NAPL AND GROUNDWATER GAUGING REPORT FOR PERFORMANCE MONITORING OF ISS IRM
FOR EAST STATION FORMER MGP SITE ROCHESTER, NEW YORK
NOVEMBER 3 AND 4, 2011 MONITORING EVENT**

January 2012

Prepared for:

Rochester Gas & Electric Corporation
89 East Avenue
Rochester, New York 14649

Prepared by:

Ish Inc.
8404 Six Forks Road, Suite 203
Raleigh, NC 27615

TABLE OF CONTENTS

1.0	INTRODUCTION.....	1
2.0	FIELD ACTIVITIES	1
3.0	GROUNDWATER FLOW CHARACTERISTICS	1
4.0	NAPL GAUGING RESULTS	2
5.0	GROUNDWATER ANALYTICAL AND MONITORING RESULTS	2
5.1	Water Quality and Monitoring Results.....	2
5.2	Data Validation	2
5.3	Equipment and Trip Blanks, Field Duplicates	3
6.0	SUMMARY OF OBSERVATIONS FROM NOVEMBER 2011 SAMPLING EVENT	3
7.0	REFERENCES.....	3

TABLES

1	Summary of Monitoring Well Gauging and Sampling Events for Performance Monitoring and NAPL Recovery Wells
2	Groundwater Elevations and NAPL Measurements – October 2008 through November 2011
3	Groundwater Analytical Results for the Shallow Bedrock Monitoring Wells – October 2008 through November 2011
4	Equipment Blank Results – November 2011
5	Groundwater Analytical Results, Field Duplicate Samples – November 2011

FIGURES

1	Monitoring and Recovery Well Locations
2	Benzene Concentrations in Shallow Bedrock Wells over Time
3	Toluene Concentrations in Shallow Bedrock Wells over Time
4	Ethylbenzene Concentrations in Shallow Bedrock Wells over Time
5	Total Xylene Concentrations in Shallow Bedrock Wells over Time
6	Naphthalene Concentrations in Shallow Bedrock Wells over Time
7	Total Cyanide Concentrations in Shallow Bedrock Wells over Time
8	Water Levels in Shallow Bedrock Wells over Time

APPENDICES

A	Field Sampling Sheets
B	Laboratory Analytical Data and DUSRs

1.0 INTRODUCTION

This **NAPL and Groundwater Gauging Report**, dated January 2012, has been prepared to summarize the findings of the field events performed on November 3 and 4, 2011, at the Rochester Gas & Electric Corporation's (RG&E's) East Station former MGP Site, located in Rochester, New York. This event was performed according to the **"ISS IRM Plan for NAPL Monitoring and Recovery with Water Quality Monitoring for the East Station former MGP Site"** (Performance Monitoring Plan), revised April 2010. Table 1 lists the monitoring and recovery wells that were gauged. Figure 1 shows the locations of the wells.

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

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

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

2.0 FIELD ACTIVITIES

Field activities performed on November 3 and 4, 2011, consisted of recording static water levels, gauging for LNAPL and DNAPL in 30 monitoring wells and collecting groundwater quality samples from (three of the five) shallow bedrock monitoring wells beneath the ISS columns. Two shallow bedrock monitoring wells, DW-3R and MW-5R, were not sampled because field personnel observed NAPL in the well water at the time of sampling after purging and recovery had occurred. The methods used for groundwater level measurements, NAPL gauging and groundwater sample collection for this performance monitoring event were consistent with those used for previous monitoring events and in past site investigation work. Field activities performed are identified in Table 1.

3.0 GROUNDWATER FLOW CHARACTERISTICS

The groundwater elevation data is presented in Table 2. Since the locations that were gauged during the November 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), groundwater flow is generally from the eastern site area, westerly towards the ISS columns.

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

4.0 NAPL GAUGING RESULTS

During the November 3, 2011 gauging event, approximately 0.80 feet of LNAPL was measured in monitoring well RW-5. In addition, measurable DNAPL was recorded in DW-3R (0.40 feet), and MW-5R (0.10 feet). These observations are consistent with previous gauging results for these monitoring locations, as presented in Table 2. Finally, DNAPL was removed from DW-3R and MW-5R during purging and found to be coating the sampling equipment after removal from the wells (sampling sheets for these wells are included in Appendix A). NAPL measurements reported in the table are before any purging or sampling activity, unless otherwise noted.

5.0 GROUNDWATER ANALYTICAL AND MONITORING RESULTS

The three groundwater samples collected for the performance monitoring program were analyzed for benzene, toluene, ethylbenzene and xylenes (BTEX) via EPA Method 8260B, for PAH compounds via EPA Method 8270C and for total cyanide via EPA Method 9012A (Table 3). The analytical laboratory reports for the November 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 November 2011 sampling event. Each of the three monitoring wells sampled during this round exhibited detections for BTEX compounds, several PAH constituents and total cyanide. (DW-1R, MW-3DR and MW-8DR were installed to monitor the occurrence of NAPL and water quality parameters in the shallow bedrock zone underneath the ISS columns). Measurable DNAPL also was recorded in DW-3R and MW-5R and was present in the purge water from these two locations.

As shown in Table 3 and Figures 2 through 7, the November 2011 results were in the range of the previous five rounds of groundwater quality data from the three wells that were sampled.

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). Non-conforming QA/QC results were evaluated with respect to their implications for data reliability and usability, and data results were flagged accordingly on the results sheets. These qualifiers appear in the analytical data summary tables provided with this report.

5.3 Equipment and Trip Blanks, Field Duplicates

Analytical results for the equipment blank sample showed only a low level detection of naphthalene (Table 4). A trip blank was not analyzed by the laboratory, but the equipment blank was shipped with the samples and did not show any detectable concentrations for BTEX. In addition, field duplicate results were collected to verify the consistency of the field sampling procedures. In general, relative percent differences (RPDs) of less than 30% for groundwater duplicates indicate that both field sampling procedures and the analytical precision are of sufficient quality. As shown in Table 5, the RPDs for measurements of individual compounds were less than 30%, except for total cyanide which had an RPD of 34. 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 NOVEMBER 2011 SAMPLING EVENT

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

- Approximately 0.80 feet of LNAPL was measured in monitoring well RW-5.
- Measurable DNAPL (0.40 feet) was recorded in DW-3R and (0.10 feet) in MW-5R.
- Following purging and well recovery, NAPL droplets observed in the well water of DW-3R and MW-5R, precluded the collection of samples 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 being scheduled for April/May 2012, as indicated in the NYSDEC-approved Performance Monitoring Plan.

7.0 REFERENCES

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

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

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

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

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

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

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

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

TABLES

TABLE 1

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

Well ID	October 13-15, 2008			February 9 and 10, 2009			May 18 and 19, 2009		August 17 and 18, 2009		November 17, 2009		May 4 and 5, 2010			October 12 and 13, 2010			May 16-18, 2011			November 3-4, 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	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	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	x	NS	x
MW-3DR	x	x	x	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	NG	NS	NG

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

TABLE 2

GROUNDWATER ELEVATIONS AND NAPL MEASUREMENTS

RG&E East Station Former MGP Site

Rochester, New York

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

Notes:

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

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

Notes:

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

TABLE 2

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

Well ID	TOC ⁽¹⁾ Elevation ⁽²⁾	November 3, 2011			
		Depth to Groundwater (feet from TOC)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Groundwater Elevation ⁽²⁾
Shallow Bedrock Monitoring Wells					
DW-1R	401.04	11.58	NP	NP	389.46
DW-3R	407.42	15.35	NP	0.40	392.07
MW-3DR	401.02	11.56	NP	NP	389.46
MW-5R	410.50	16.15	NP	0.10	394.35
MW-8DR	411.63	18.15	NP	NP	393.48
ISS Barrier Monitoring Wells					
MW-2R	401.62	12.15	NP	NP	389.47
MW-4R	403.25	11.38	NP	NP	391.87
PZ-01R	411.80	20.09	NP	NP	391.71
Recovery Wells					
RW-1	412.71	15.65	NP	NP	397.06
RW-2	412.51	15.41	NP	NP	397.10
RW-3	412.35	15.19	NP	NP	397.16
RW-4	411.97	14.75	NP	NP	397.22
RW-5	411.86	14.70	0.80	NP	397.96
RW-6	410.17	12.95	NP	NP	397.22
RW-7	410.25	14.99	NP	NP	395.26
RW-8	407.69	10.29	NP	NP	397.40
RW-9	406.90	9.57	NP	NP	397.33
RW-10	405.53	8.87	NP	NP	396.66
RW-11	404.19	6.66	NP	NP	397.53
RW-12	403.60	6.15	NP	NP	397.45
RW-13	404.64	7.75	NP	NP	396.89
RW-14	401.72	4.95	NP	NP	396.77
RW-15	401.86	5.11	NP	NP	396.75
RW-16	402.08	5.32	NP	NP	396.76
RW-17	402.02	5.28	NP	NP	396.74
RW-18	402.49	5.79	NP	NP	396.70
RW-19	402.43	5.73	NP	NP	396.70
RW-20	406.02	9.27	NP	NP	396.75
RW-21	403.25	5.85	NP	NP	397.40
RW-22	403.64	6.34	NP	NP	397.30
RW-23	413.72	NM	NM	NM	NM
Shallow Monitoring Wells					
TPMW-1	419.06	NM	NM	NM	NM
TPMW-2	414.79	NM	NM	NM	NM

Notes:

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

TABLE 3
GROUNDWATER ANALYTICAL RESULTS
FOR THE SHALLOW BEDROCK MONITORING WELLS - OCTOBER 2008 THROUGH NOVEMBER 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-1R 11/3/2011	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	DW-3R 11/3/2011	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	MW-3DR 11/3/2011
<u>Volatiles</u>																			
Benzene	µg/L	37,000	2,000 D	39,000 D	38,000	39,000 D	30,000 D	19,000	17,000 D	23,000 D	20,000	11,000 D	NS	19,000	27,000 D	2,500 D	1,500	2,700 D	1,100 D
Toluene	µg/L	13,000	270	8,900 D	11,000	12,000 D	7,900	2,100	2,300	2,200	1,600	2,300	NS	9,700	5,500	360	290	460	110 D
Ethylbenzene	µg/L	3,500	170	3,000	3,800	4,000	2,400	1,800	1,300	1,800	2,200	2,400	NS	4,800	5,700	1,700	1,400	1,800 D	990 D
Xylenes, Total	ug/L	4,200	290	3,600	4,400	4,900	2,800	1,900	2,500	2,100	2,100	3,000	NS	4,100	3,900	680	560	780	320 D
<u>Semi-Volatiles</u>																			
Naphthalene	µg/L	2,900	1.4	4,100	5,000 D	4,300 D	2,500	920	2,700 D	6,700	20,000 D	5,500 D	NS	2,500	3,900 D	1,600	1,000 DJ	930 D	650
2-Methylnaphthalene	µg/L	410	3.2	430	440 D	460 D	270	93	240 D	1,100	8,700 D	860	NS	180 J	220 D	84	46	53	30
Acenaphthylene	µg/L	130 J	2.8	24 U	8.9	11	99 U	83 U	7.3	51	260 J	39 J	NS	70 J	62	9.8	9.0	16	4.4 J
Acenaphthene	µg/L	34 J	6.1	98	65 J	120	73 J	39 J	61	310	3,100 D	200	NS	47 J	14	53	31	55	35
Fluorene	µg/L	210 U	2.6	27 J	23 J	38	20 J	10 J	18	130	1,700 D	67	NS	200 U	7.9	7.4 J	6.3	9.5	5.5 J
Phenanthrene	µg/L	210 U	1.8	27	26	42	24 J	9.8 J	17	300	4,900 D	84	NS	200 U	5.9	8.6 J	6.0	7.1	2.9 J
Anthracene	µg/L	210 U	0.48 U	24 UJ	4.0	7.4	23 J	83 U	4.1	77	1,300 D	19 J	NS	200 U	0.80	9.8 U	0.67	1.1 J	25 U
Fluoranthene	µg/L	210 U	0.48 U	24 UJ	1.0	2.5 J	99 U	83 U	1.9	69	1,300 D	11 J	NS	200 U	0.47 U	9.8 U	0.19 J	4.7 U	25 U
Pyrene	µg/L	210 U	0.48 U	24 UJ	1.0	2.9 J	99 U	83 U	2.6	110	2,000 D	17 J	NS	200 U	0.47 U	9.8 U	0.19 J	4.7 U	25 U
Benz[a]anthracene	µg/L	210 U	0.48 U	24 UJ	0.48 U	4.8 U	99 U	83 U	0.61	38	280 J	5.0 J	NS	200 U	0.47 U	9.8 U	0.52 U	4.7 U	25 U
Chrysene	µg/L	210 U	0.48 U	24 UJ	0.48 UJ	4.8 U	99 U	83 U	0.60	32	230 J	3.5 J	NS	200 U	0.47 U	9.8 U	0.52 U	4.7 U	25 U
Benzo[b]fluoranthene	µg/L	210 U	0.48 U	24 UJ	0.48 U	4.8 U	99 U	83 U	0.49 U	30 U	150 J	52 U	NS	200 U	0.47 U	9.8 U	0.52 U	4.7 U	25 U
Benzo[k]fluoranthene	µg/L	210 U	0.48 U	24 UJ	0.48 UJ	4.8 U	99 U	83 U	0.49 U	30 U	64 J	52 U	NS	200 U	0.47 U	9.8 U	0.52 U	4.7 U	25 U
Benzo[a]pyrene	µg/L	210 U	0.48 U	24 U	0.48 U	4.8 U	99 U	83 U	1.5	48	250 J	52 U	NS	200 U	0.47 U	9.8 U	0.52 U	4.7 U	25 U
Indeno[1,2,3-cd]pyrene	µg/L	210 U	0.48 U	24 UJ	0.48 UJ	4.8 U	99 U	83 U	0.49 U	30 U	70 J	52 U	NS	200 U	0.47 U	9.8 U	0.52 U	4.7 U	25 U
Dibenz[a,h]anthracene	µg/L	210 U	0.48 U	24 UJ	0.48 UJ	4.8 U	99 U	83 U	0.49 U	30 U	2.8 UJ	52 U	NS	200 U	0.47 U	9.8 U	0.52 U	4.7 U	25 U
Benzo[g,h,i]perylene	µg/L	210 U	0.48 U	24 UJ	0.48 UJ	4.8 U	99 U	83 U	0.49 U	30 U	94 J	52 U	NS	200 U	0.47 U	9.8 U	0.52 U	4.7 U	25 U
<u>Cyanide</u>																			
Cyanide, Total	µg/L	1,000	1,020 J	1,090	976	850 J	710 J	260	164 J	212	282	370	NS	1,000	1,470 J	1,100 J	1,240	2,900 J	1,200 J
<u>Field Data</u>																			
Conductivity	µS/cm	3,100	3,020	3,560	4,440	3,280	4,100	1,057	1,200	869	1,390	1,313	NS	2,993	4,500	3,880	4,360	3,206	3,370
pH	SU	7.27	8.07	6.92	6.63	6.85	7.13	7.18	8.08	7.39	6.99	7.13	NS	7.52	7.83	7.22	6.98	7.00	7.19
Temperature	C	17.5	15.7	12.8	11.41	8.98	11.5	15.2	13.4	15.7	13.88	11.52	NS	17.3	15.0	15.0	15.2	10.25	12.49
Turbidity	NTU	10	130	1.4	4.2	7.0	0.0	15	47	10	12.2	137	NS	0	27	0	3.9	3.0	8.7
ORP	mV	-235	-125	-342	-326	-231.4	-344	-13	-196	-56	-153	-188.4	NS	-163	-200	-358	-322	-266	-296
DO	mg/L	2.89	NA	0.14	0.42	1.40	0.0	0.80	NA	0.00	1.41	0.61	NS	0.30	NA	0.00	0.97	1.11	1.18

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 NOVEMBER 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-5R 11/3/2011	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	MW-8DR 11/4/2011
<u>Volatiles</u>													
Benzene	µg/L	25,000	38,000 D	32,000 J	27,000	NS	NS	37,000	18,000 D	60,000 D	30,000 D	23,000 D	47,000 D
Toluene	µg/L	6,000	6,900 J	3,600	2,800	NS	NS	2,000 U	55 J	100 U	210	64	36
Ethylbenzene	µg/L	2,600	3,200 J	1,500	1,700	NS	NS	1,900 J	840	2,600	1,700	740 D	2,300 D
Xylenes, Total	ug/L	4,100	4,400 J	2,200	2,400	NS	NS	1,300 J	470	1,700	820	600	1,700 D
<u>Semi-Volatiles</u>													
Naphthalene	µg/L	8,200	4,500 D	7,300	7,500 D	NS	NS	6,000 J	1,300 D	6,000	7,300 D	4,600 D	6,500
2-Methylnaphthalene	µg/L	1,000	490 D	1,100	960 D	NS	NS	690 J	98	530	690 D	570 D	690
Acenaphthylene	µg/L	130 J	61	99	61	NS	NS	-- R	1.3	29 U	6.2	4.1 J	530 U
Acenaphthene	µg/L	120 J	72	230	180 D	NS	NS	140 J	30	110	150 D	160	170 J
Fluorene	µg/L	78 J	48	160	83	NS	NS	-- R	7.4	27 J	33	39	43 J
Phenanthrene	µg/L	110 J	85	370	180 D	NS	NS	-- R	3.8	26 J	27	29	49 J
Anthracene	µg/L	420 U	17	78	31	NS	NS	-- R	0.77	29 U	4.4	5.6	530 U
Fluoranthene	µg/L	420 U	15	79	25	NS	NS	-- R	0.48 U	29 U	0.52 J	1.1 J	530 U
Pyrene	µg/L	420 U	23	130	36	NS	NS	-- R	0.48 U	29 U	0.63	1.2 J	530 U
Benz[a]anthracene	µg/L	420 U	8.2	48	13	NS	NS	-- R	0.48 U	29 U	0.58 U	5.0 U	530 U
Chrysene	µg/L	420 U	6.8	39	9.1	NS	NS	-- R	0.48 U	29 U	0.58 U	5.0 U	530 U
Benzo[b]fluoranthene	µg/L	420 U	5.2	15 J	6.1	NS	NS	-- R	0.48 U	29 U	0.58 U	5.0 U	530 U
Benzo[k]fluoranthene	µg/L	420 U	0.49 U	10 J	1.9	NS	NS	-- R	0.48 U	29 U	0.58 U	5.0 U	530 U
Benzo[a]pyrene	µg/L	420 U	6.4	48	10	NS	NS	-- R	0.48 U	29 U	0.58 U	5.0 U	530 U
Indeno[1,2,3-cd]pyrene	µg/L	420 U	3.2	31 U	2.4	NS	NS	-- R	0.48 U	29 U	0.58 U	5.0 U	530 U
Dibenz[a,h]anthracene	µg/L	420 U	2.7	31 U	0.54 U	NS	NS	-- R	0.48 U	29 U	0.58 U	5.0 U	530 U
Benzo[g,h,i]perylene	µg/L	420 U	3.4	31 U	3.1	NS	NS	-- R	0.48 U	29 U	0.58 U	0.47 J	530 U
<u>Cyanide</u>													
Cyanide, Total	µg/L	68	372 J	480	270	NS	NS	85.0	44.3	55.7	53.8	65.0	43.0 J
<u>Field Data</u>													
Conductivity	µS/cm	872	2,810	2,040	2,430	NS	NS	2,218	2,710	2,450	3,020	2,073	3,630
pH	SU	9.90	7.00	7.35	6.99	NS	NS	7.19	7.14	7.29	7.08	6.83	7.05
Temperature	C	14.6	14.9	16.7	14.71	NS	NS	16.9	15	16.1	12.5	9.63	11.44
Turbidity	NTU	5.0	48	10	10.4	NS	NS	40	100	1.3	17.6	5.19	24.7
ORP	mV	-250	-120	-153	-103	NS	NS	-125	-165	-66	-74	-33.7	-47
DO	mg/L	2.36	NA	0.84	0.57	NS	NS	3.83	NA	1.62	2.78	1.21	5.93

Notes:
D - Indicates that the result is from a diluted run
J - Indicates an estimated value.
U - Indicates that the constituent was not detected at the reported detection limit.
R - Indicates that the result was rejected due to surrogate recoveries, which were recovered at 0%.
NA - Not available - readings were not accurate
NS - Not sampled

TABLE 4

EQUIPMENT BLANK RESULTS - NOVEMBER 2011
RG&E East Station Former MGP Site
Rochester, New York

Parameter	Units	EQUIPMENT BLANK 11/4/2011
<u>Volatiles</u>		
Benzene	µg/L	1.0 U
Toluene	µg/L	1.0 U
Ethylbenzene	µg/L	1.0 U
Xylenes, Total	ug/L	2.0 U
<u>Semi-Volatiles</u>		
Naphthalene	µg/L	6.1
2-Methylnaphthalene	µg/L	4.9 U
Acenaphthylene	µg/L	4.9 U
Acenaphthene	µg/L	4.9 U
Fluorene	µg/L	4.9 U
Phenanthrene	µg/L	4.9 U
Anthracene	µg/L	4.9 U
Fluoranthene	µg/L	4.9 U
Pyrene	µg/L	4.9 U
Benz[a]anthracene	µg/L	4.9 U
Chrysene	µg/L	4.9 U
Benzo[b]fluoranthene	µg/L	4.9 U
Benzo[k]fluoranthene	µg/L	4.9 U
Benzo[a]pyrene	µg/L	4.9 U
Indeno[1,2,3-cd]pyrene	µg/L	4.9 U
Dibenz[a,h]anthracene	µg/L	4.9 U
Benzo[g,h,i]perylene	µg/L	4.9 U
<u>Cyanide</u>		
Cyanide, Total	µg/L	10 U

Notes:

NS - Not sampled

J - Indicates an estimated value.

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

TABLE 5

GROUNDWATER ANALYTICAL RESULTS
FIELD DUPLICATE SAMPLES - NOVEMBER 2011
RG&E East Station Former MGP Site
Rochester, New York

Parameter	Units	MW-3DR 11/3/2011	MW-3DR DUP 11/3/2011	RPD
<u>Volatiles</u>				
Benzene	µg/L	1,100 D	1,100 D	0
Toluene	µg/L	110 D	110 D	0
Ethylbenzene	µg/L	990 D	980 D	1
Xylenes, Total	ug/L	320 D	300 D	6
<u>Semi-Volatiles</u>				
Naphthalene	µg/L	650	600	8
2-Methylnaphthalene	µg/L	30	28	7
Acenaphthylene	µg/L	4.4 J	3.8 J	15
Acenaphthene	µg/L	35	34	3
Fluorene	µg/L	5.5 J	5.7 J	4
Phenanthrene	µg/L	2.9 J	2.6 J	11
Anthracene	µg/L	25 U	24 U	4
Fluoranthene	µg/L	25 U	24 U	NC
Pyrene	µg/L	25 U	24 U	NC
Benz[a]anthracene	µg/L	25 U	24 U	NC
Chrysene	µg/L	25 U	24 U	NC
Benzo[b]fluoranthene	µg/L	25 U	24 U	NC
Benzo[k]fluoranthene	µg/L	25 U	24 U	NC
Benzo[a]pyrene	µg/L	25 U	24 U	NC
Indeno[1,2,3-cd]pyrene	µg/L	25 U	24 U	NC
Dibenz(a,h)anthracene	µg/L	25 U	24 U	NC
Benzo[g,h,i]perylene	µg/L	25 U	24 U	NC
<u>Cyanide</u>				
Cyanide, Total	µg/L	1,200 J	850 J	34

Notes:

RPD - Relative percent difference

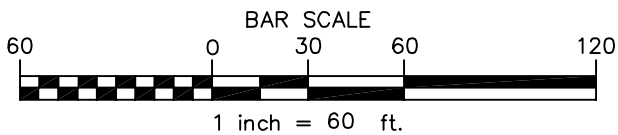
NC - Not calculated, parameter not detected in at least one sample

D - Indicates that the result is from a diluted run

J - Indicates an estimated value.

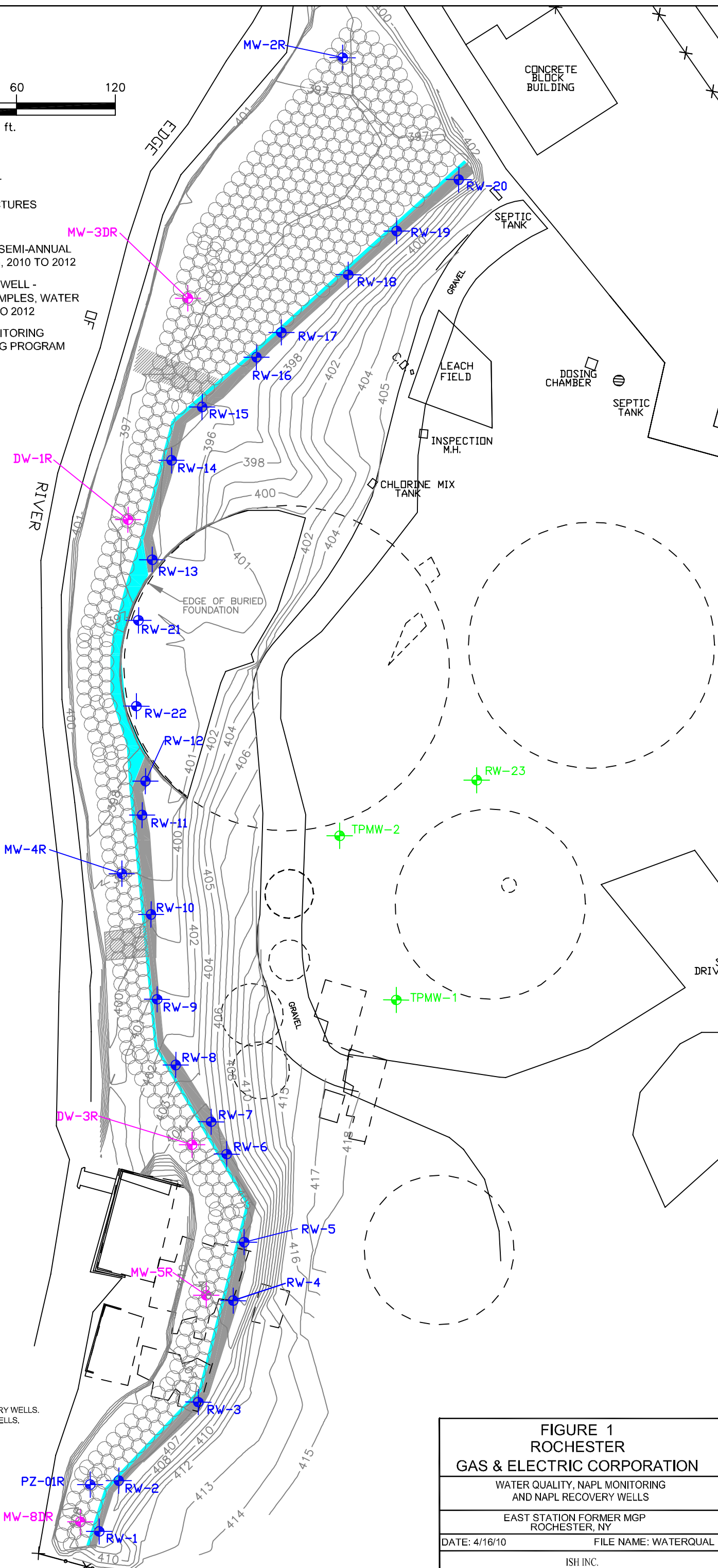
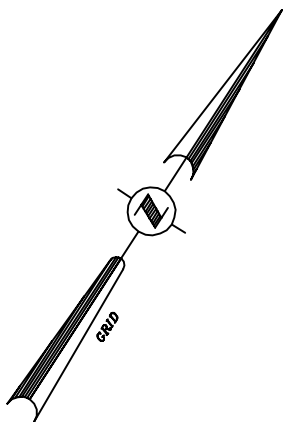
U - Indicates that the constituent was not detected at the reported detection limit.

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:

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

Figure 2
Benzene Concentrations in Shallow Bedrock Wells over Time

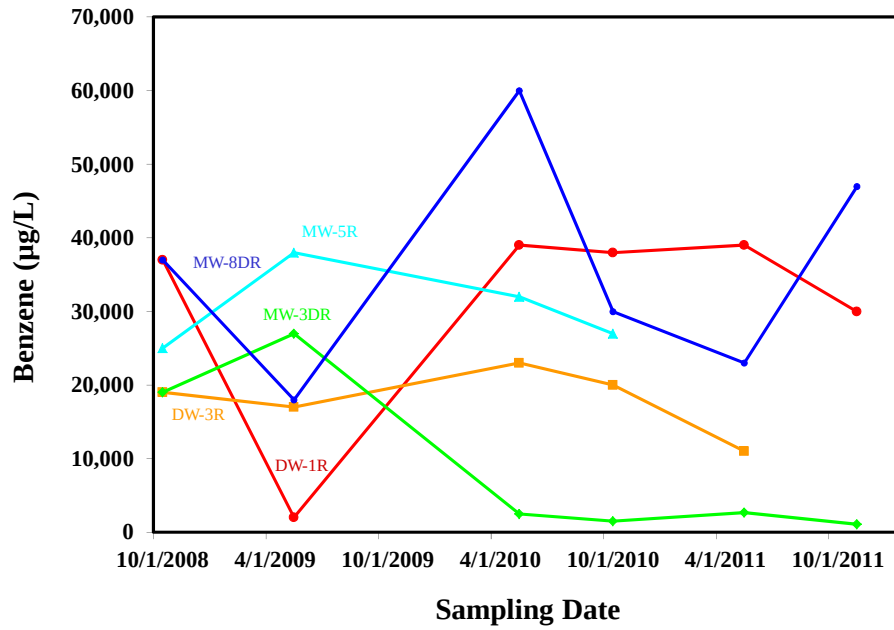


Figure 3
Toluene Concentrations in Shallow Bedrock Wells over Time

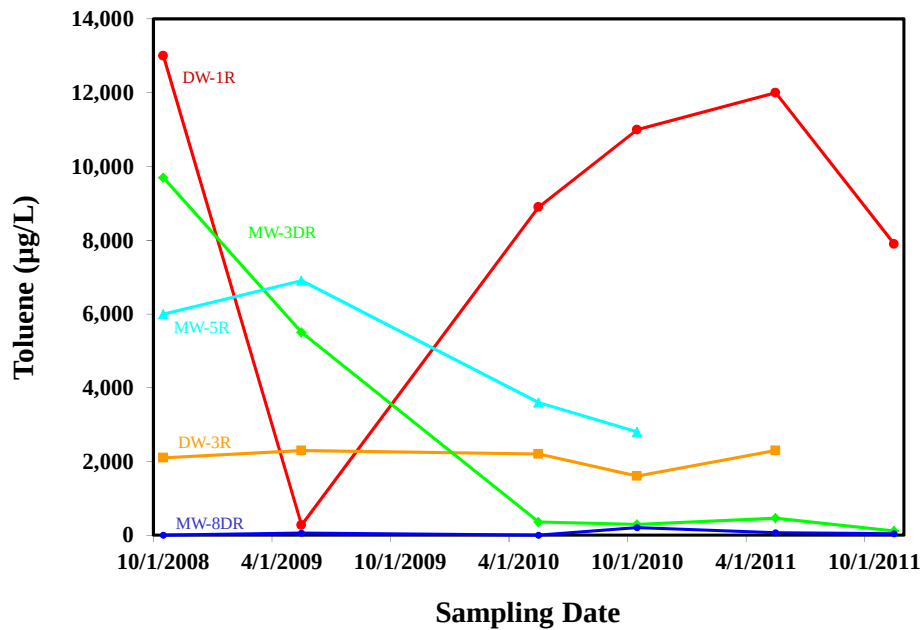


Figure 4
Ethylbenzene Concentrations in Shallow Bedrock Wells over Time

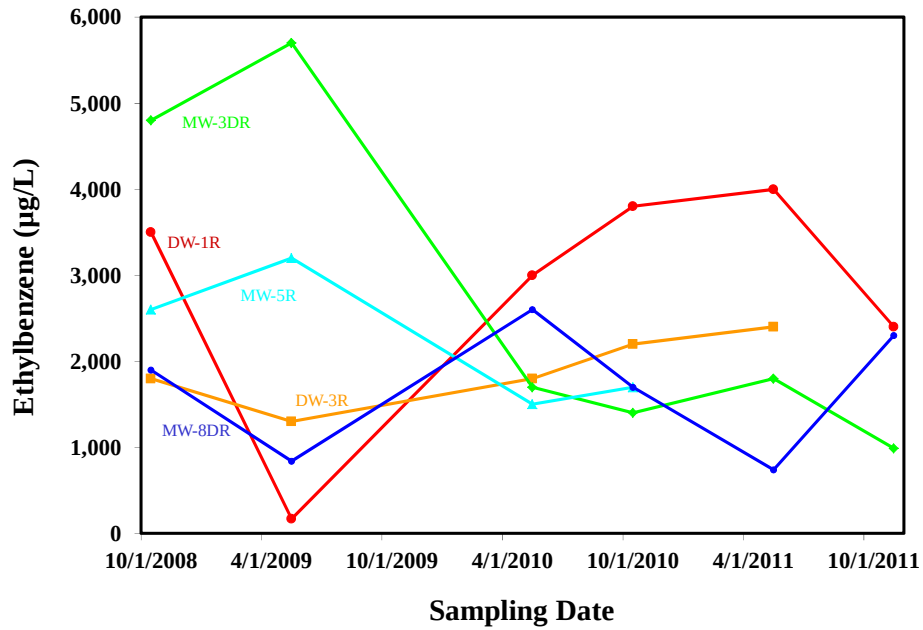


Figure 5
Total Xylene Concentrations in Shallow Bedrock Wells over Time

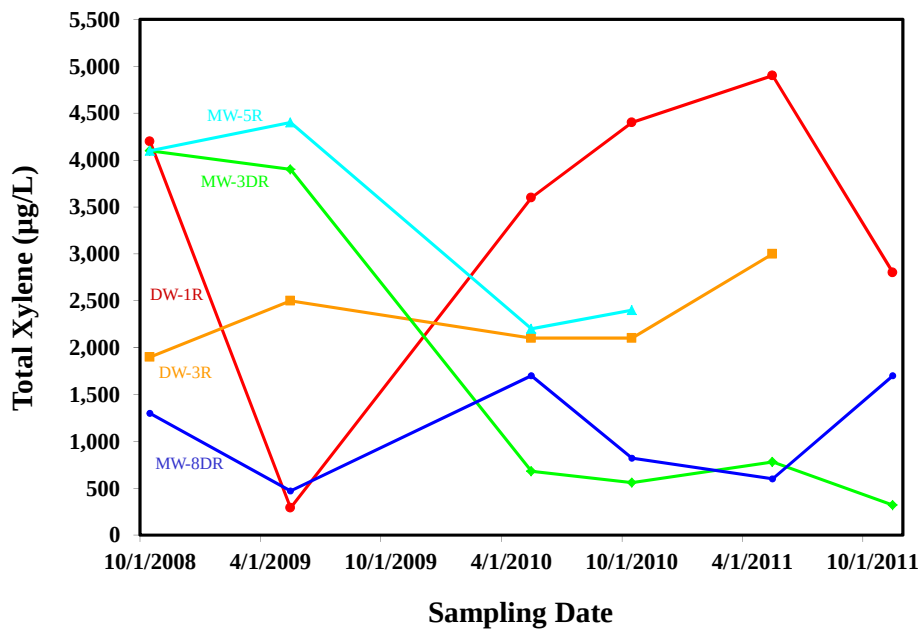


Figure 6
Naphthalene Concentrations in Shallow Bedrock Wells over Time

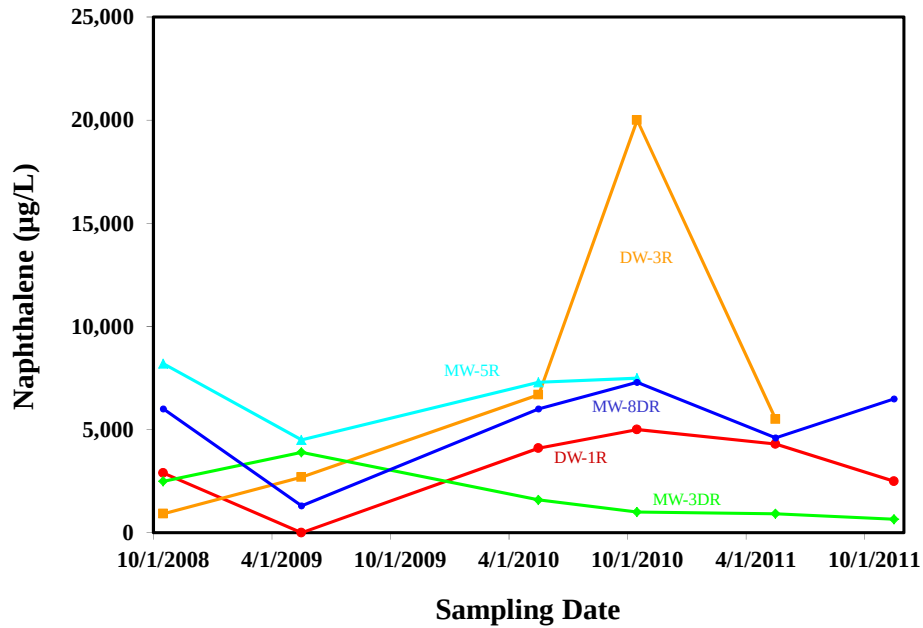


Figure 7
Total Cyanide Concentrations in Shallow Bedrock Wells over Time

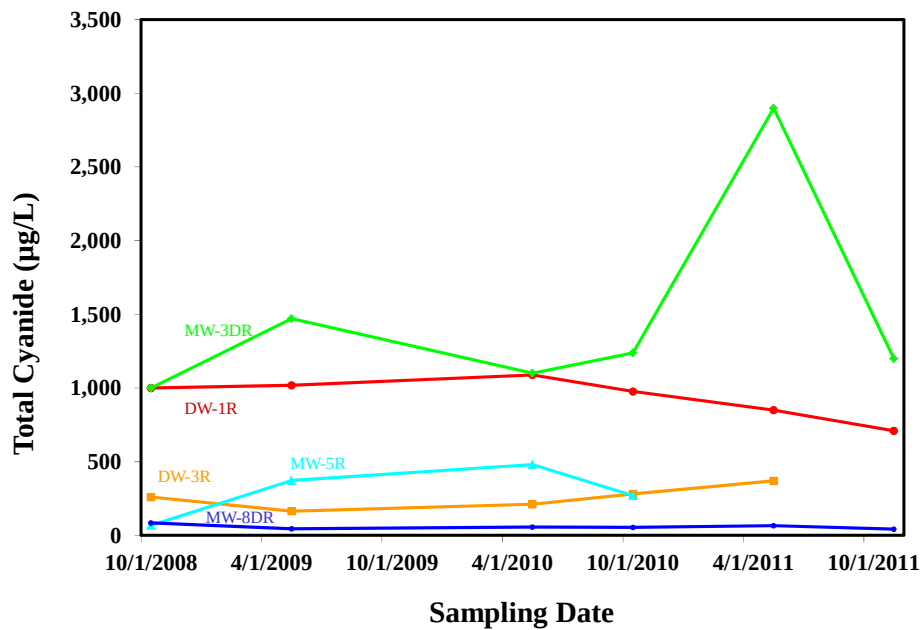
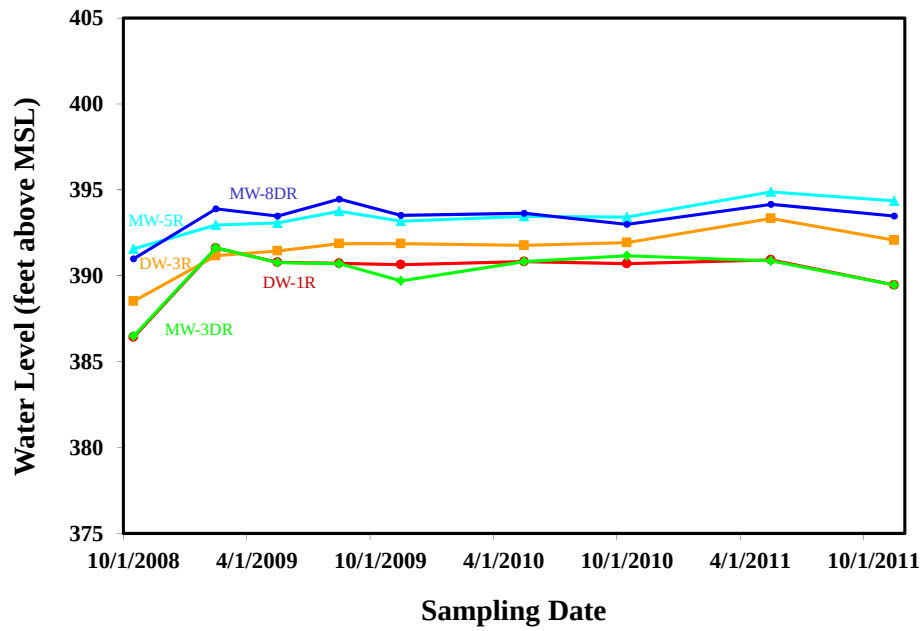


Figure 8
Water Levels in Shallow Bedrock Wells over Time



APPENDIX A

GROUNDWATER SAMPLING FIELD SHEETS

Well Number: DW-112

Date: 11/3/11

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

[illegible]

Well Sampling Data Sheet

Well Number: DW 12

SAMPLE APPEARANCE

Initial Volumes

Final Volumes

Turbidity

clearclear

Color

clearclear

Odor

MGP like odorMGP like odor

SAMPLES COLLECTED

Sample Time: 18:03

ID	Analysis	Quantity	Volume
<u>DW 12</u>	<u>BTEX</u>	<u>3</u>	<u>40mL</u>
<u>DW 12</u>	<u>PAHs</u>	<u>2</u>	<u>1000mL</u>
<u>DW 12</u>	<u>Total Cyanide</u>	<u>1</u>	<u>250mL</u>

PUMPING RATES

Average Purge _____ mL/min

Average Sampling _____ mL/min

OTHER READINGS

PID (ppm) _____

CO₂ (mg/L) _____

PURGE WATER DISPOSAL

On-site storage pending analysis _____

Relinquished to licensed hauler X

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 Sampling Data Sheet

Well Number: DW312

Client: RG&E Site: East Station
Personnel: BGM Weather: Cloud ~ 50

Date: 11/4/22

PUMPING PARAMETERS

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	<u>29.07</u>	<u>29.05</u>	
Water level from top of casing	<u>14.09</u>	<u>15.35</u>	
Feet of water in casing	<u>14.98</u>	<u>13.7</u>	
NAPL level from top of casing (if present)	<u>Trace</u>	<u>28.65</u>	Type: _____
NAPL thickness	<u>Trace</u>	<u>0.4</u>	

Min gallons of purge (feet of water X gal/ft X {2 or 3} well vols.) $\frac{(13.7)(.16)(2)}{4} = 1.1$
 Approx. time to purge 1/2 well volume at 150 mL/min (1/2 well in gal X 25.2 min) $1.1 \times 25.2 = 27.72$

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	_____	_____

Bailer Type: Teflon Stainless Steel Disposable

CHEMICAL PARAMETERS

[illegible]

Well Sampling Data Sheet

Well Number: DW3R

SAMPLE APPEARANCE

Initial Volumes

Final Volumes

Turbidity

Color

Odor

SAMPLES COLLECTED

Sample Time: _____

ID	Analysis	Quantity	Volume
<u>DW3R</u>	_____	_____	_____
<u>DW3R</u>	_____	_____	_____
<u>DW3R</u>	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

PUMPING RATES

Average Purge _____ mL/min

Average Sampling _____ mL/min

OTHER READINGS

PID (ppm) _____

CO₂ (mg/L) _____

PURGE WATER DISPOSAL

On-site storage pending analysis

Relinquished to licensed hauler

Discharge in sewer (previous analysis completed)

Discharge on ground (previous analysis completed)

x

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

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

Began purging and drawl (80 drawl 20 water) came into
well immediately. disconnected water quantity meter and
begin purging

[illegible]

Well Sampling Data Sheet

Well Number: MW3DN

SAMPLE APPEARANCE

Initial Volumes

Turbidity

Color

Odor

Final Volumes

ClearclearSurfaceClearclearSurface

SAMPLES COLLECTED

Sample Time: 1805

ID	Analysis	Quantity	Volume
<u>MW3DN</u>	<u>BTEX</u>	<u>3</u>	<u>40 ml</u>
<u>MW3DN</u>	<u>PAHs</u>	<u>2</u>	<u>1000 ml</u>
<u>MW3DN</u>	<u>Cyanide</u>	<u>1</u>	<u>250 ml</u>
<u>MW3DN DUP</u>	<u>BTEX</u>	<u>3</u>	<u>40 ml</u>
<u>MW3DN DUP</u>	<u>PAHs</u>	<u>2</u>	<u>1000 ml</u>
<u>MW3DN DUP</u>	<u>Cyanide</u>	<u>1</u>	<u>40 ml</u>

PUMPING RATES

Average Purge 150 mL/minAverage Sampling 156 mL/min

OTHER READINGS

PID (ppm) _____

CO₂ (mg/L) _____

PURGE WATER DISPOSAL

On-site storage pending analysis _____

Relinquished to licensed hauler x

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 512

Site: East Station

Personnel: BSM

Weather: Clear ~ 50

Date: 11/4/11

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	<u>31.23</u>	<u>31.22</u>	
Water level from top of casing	<u>15.63</u>	<u>16.15</u>	
Feet of water in casing	<u>15.60</u>	<u>15.07</u>	
NAPL level from top of casing (if present)	<u>31.12</u>	<u>31.02</u>	Type: _____
NAPL thickness	<u>1"</u>	<u>0.1</u>	

Min gallons of purge (feet of water X gal/ft X {2 or 3} well vols.) $(15.07)(.16)(1) = 4.8/4 = 1.2$
 Approx. time to purge 1/2 well volume at 150 mL/min (1/2 well in gal X 25.2 min) $1.2 \times 25.2 = 30.24$

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	_____	_____

Bailer Type:	Teflon	Stainless Steel	Disposable

[illegible]

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

Well Sampling Data Sheet

Well Number: MW 5R

SAMPLE APPEARANCE

Initial Volumes

Turbidity

Color

Odor

Final Volumes

SAMPLES COLLECTED

Sample Time: _____

ID	Analysis	Quantity	Volume
<u>MW 5R</u>	_____	_____	_____
<u>MW 5R</u>	_____	_____	_____
<u>MW 5R</u>	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

PUMPING RATES

Average Purge _____ mL/min

Average Sampling _____ mL/min

OTHER READINGS

PID (ppm) _____

CO₂ (mg/L) _____

PURGE WATER DISPOSAL

On-site storage pending analysis _____

Relinquished to licensed hauler X

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.)

AFTER 2min of Purging WELL starting Pumping NAPL - Discarded
Flow Cell and began Purging

Well Sampling Data Sheet

Well Number: MW 8DR

SAMPLE APPEARANCE

Initial Volumes

Final Volumes

Turbidity

Color

Odor

clearclearno p. infoclearclearMBP like

SAMPLES COLLECTED

Sample Time: 1210

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

PUMPING RATES

Average Purge 150 mL/minAverage Sampling 180 mL/min

OTHER READINGS

PID (ppm) _____

CO₂ (mg/L) _____

PURGE WATER DISPOSAL

On-site storage pending analysis _____

Relinquished to licensed hauler X

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: RG&E Site: East STATION Date: 11-3-11
Personnel: R. Parrella Weather: Overcast 63°F

Well ID	Depth to Bottom	Depth to Water	Feet of Water	LNAPL Thickness	DNAPL Thickness	PID
RW20	18.80	9.27	9.53	NA	NA	na
RW19	15.26	5.73	9.53			
RW18	17.26	5.79	11.47			
RW17	17.49	5.28	12.21			
RW16	18.34	5.32	13.02			
RW15	15.85	5.11	10.74			
RW14	16.21	4.95	11.26			
RW13	19.70	7.75	11.95			
RW21	22.21	5.85	16.36			
RW22	24.03	6.34	17.69			
RW12	18.21	6.15	12.06			
RW11	19.18	6.66	12.52			
RW10	17.41	8.87	8.54			
RW9	16.91	9.57	7.34			
RW8	17.05	10.29	6.76			
RW7	20.28	14.99	5.29			
RW6	17.99	12.95	5.04	↓		
RW5	17.79	14.65	2.29	*4.7-15.5	0.8	
RW4	19.02	14.75	4.27	NA		
RW3	20.45	15.19	5.26	↓		
RW2	23.10	15.41	7.77	↓		
RW1	17.45	15.65	1.8	↓	↓	↓

Water Level Work Sheet

Client: ALGE Site: East station Date: 11/3/11
Personnel: Bryan Massa Weather: overcast, 263°

[illegible]

APPENDIX B

LABORATORY ANALYTICAL DATA AND DUSRs

East Station

Site: RGE-East Station
Laboratory: Test America, NY
Report No.: 480-12393-1
Reviewer: Lisa McDonagh
Date: January 10, 2012

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
DW 1R	480-12393-01	VOC/SVOC
MW 3 DR	480-12393-02	VOC/SVOC
MW 3 DR DUP	480-12393-03	VOC/SVOC
MW 8 DR	480-12393-04	VOC/SVOC
EB-1	480-12393-05	VOC

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

The above-listed aqueous samples were collected on November 3 and 4, 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
- NA • Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Control Sample (LCS) Results
- * • Internal Standards
- * • Field Duplicate Results
- Quantitation Limits and Data Assessment
- * • Sample Quantitation and Compound Identification
- * - All criteria were met.

All results are usable for project objectives.

East Station

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

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

- Potential uncertainty exists for select VOC and SVOC results, which were below the lowest calibration standard. These results were qualified as estimated (J). These results can be used for project objectives as estimated values, which may have a minor impact on the data usability.
- The VOC positive result for toluene in sample MW 8 DR was qualified as estimated (J) due to surrogate recoveries less than 10. The result may be biased low. The result can be used for project objectives as an estimated value, which may have a minor impact on the data usability.
- The SVOC positive results for anthracene in sample DW 1R and phenanthrene in samples DW 1R, MW 3 DR, MW 3 DR DUP and MW 8 DR were qualified as estimated (J) due to high %RPD. The results may be biased high. The results can be used for project objectives as estimated values, which may have a minor impact on the data usability.

Data Completeness

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

Holding Times and Sample Preservation

All criteria were met in the VOC and SVOC analyses.

GC/MS Tunes

All criteria were met in the VOC and SVOC analyses.

Initial and Continuing Calibrations

All criteria were met in the VOC and SVOC analyses

Blanks

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

East Station

Compound	Blank ID	Level Detected	Action Level	Associated Samples
Naphthalene	Equipment	6.1 ug/L	31 ug/L	All samples 480-12393-1.

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

VOC

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

Sample Control Limits	Recovery			Validation Actions
	DCA 66-137	TOL 71-126	BFB 73-120	
MW 8 DR	0	-	-	Estimate (J) the positive result for toluene in this sample. All other results were reported from the diluted analysis.

- Criteria met

SVOC

All criteria were met in the SVOC analyses.

MS/MSD Results

Matrix spike samples were not submitted with the data package.

LCS Results

VOC

All criteria were met in the VOC analyses.

East Station

SVOC

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

Compound	Recovery (%)	RPD	Control Limits	Associated Samples	Validation Actions
Anthracene	-/-	18	<15	All samples 480-12393-1.	Estimate the positive results for anthracene in sample DW 1R and phenanthrene in samples DW 1R, MW 3 DR, MW 3 DR DUP and MW 8 DR.
Benz(a)anthracene	-/-	19			
Benzo(a)pyrene	-/-	20			
Benzo(b)fluoranthene	-/-	16			
Benzo(ghi)perylene	-/-	18			
Chrysene	-/-	19			
Dibenz(a,h)anthracene	-/-	19			
Fluoranthene	-/-	20			
Indeno(123cd)pyrene	-/-	20			
Phenanthrene	-/-	18			

Internal Standards

All criteria were met in the VOC and SVOC analyses.

Field Duplicate Results

Samples MW 3 DR and MW 3 DR 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 3 DR (ug/L)	MW 3 DR DUP (ug/L)	RPD (%)
Benzene	1100	1100	0
Toluene	110	110	0
Ethylbenzene	990	980	1
m,p-xylene	150	140	7
o-xylene	160	150	6
Xylenes, total	320	300	6
Acenaphthene	35	34	3

East Station

Compound	MW 3 DR (ug/L)	MW 3 DR DUP (ug/L)	RPD (%)
Acenaphthylene	4.4	3.8	15
Fluorene	5.5	5.7	4
Naphthalene	650	600	8
Phenanthrene	2.9	2.6	11
2-methylnaphthalene	30	28	7

NC – Not calculable

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

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

Quantitation Limits and Data Assessment

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

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

Sample	VOC Analysis Reported	SVOC Analysis Reported
DW 1R	1:125 and 1:400 dilution. Report the result for benzene from the 1:400 dilution. Report all other results from the 1:125 dilution.	1:20 dilution.
MW 3 DR	1:1 and 1:25 dilution. Report the results for benzene, toluene, ethylbenzene, o-xylene and total xylenes from the 1:25 dilution. Report all other results from the 1:1 dilution.	1:5 dilution.
MW 3 DR DUP	1:1 and 1:25 dilution. Report the results for benzene, toluene, ethylbenzene, o-xylene and total xylenes from the 1:25 dilution. Report all other results from the 1:1 dilution.	1:5 dilution.

East Station

Sample	VOC Analysis Reported	SVOC Analysis Reported
MW8 DR	1:1 and 1:800 dilutions. Report the results for benzene, ethylbenzene, m,p-xylene, o-xylene and total xylenes from the 1:800 dilution. Report all other results from the 1:1 dilution.	1:100 dilution.

NR- A dilution was not required

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

Sample Quantitation and Compound Identification

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

Site: Rochester Gas and Electric, East Station, NY
Laboratory: Test America, Buffalo, NY
Report No.: 480-12393
Reviewer: Lorie MacKinnon
Date: January 4, 2012

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
DW 1R	480-12393-1	Cyanide
MW 3 DR	480-12393-2	Cyanide
MW 3 DR DUP	480-12393-3	Cyanide
MW 8 DR	480-12393-4	Cyanide
EB-1	480-12393-5	Cyanide

Associated QC Samples(s): Field Blanks: EB-1
Field Duplicate pair: MW3 DR/MW3 DR DUP

The above-listed aqueous samples and equipment blank sample were collected on November 3 and 4, 2011 and were analyzed for cyanide by SW-846 method 9012. The data validation was performed in accordance with the USEPA Region 2 *Standard Operating Procedure for the Evaluation of Metals for the Contract Laboratory Program*, SOP HW-2, Revision 13 (September 2006), modified as necessary to accommodate the non-CLP methodology used.

The inorganic data were evaluated based on the following parameters:

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

- * - All criteria were met for this parameter.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives.

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

- The positive results for cyanide in samples MW 3 DR and MW 3 DR 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 effect 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 DW 1R, MW 3 DR, MW 3 DR DUP, and MW 8 DR were qualified as estimated (J) due to low MS recovery. The results may be biased low. The results are usable for project objectives as estimated values which may have a minor effect 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

All criteria were met.

Instrument Calibration

All recovery criteria were met.

Blank Results

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

MS Results

An MS analysis was performed on sample DW 1R. Cyanide (70%) was recovered below the control limits of 75-125. The positive results for cyanide in samples DW 1R, MW 3 DR, MW 3 DR DUP, and MW 8 DR were estimated (J).

Laboratory Duplicate Results

A laboratory duplicate analysis was not associated with this sample set. Validation action was not taken on this basis.

Field Duplicate Results

Samples MW 3 DR and MW 3 DR 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 3 DR and MW 3 DR DUP were estimated (J).

Compound	MW 3 DR (mg/L)	MW 3 DR DUP (mg/L)	RPD (%)
Cyanide	1.2	0.85	34.1

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

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

LCS Results

All criteria were met.

Detection Limits Results

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

Sample	Cyanide Dilution Reported
DW 1R	2-fold
MW 3 DR	10-fold
MW 3 DR DUP	10-fold

Sample Quantitation Results

Calculations were spot-checked; no discrepancies were noted.

ANALYTICAL REPORT

Job Number: 480-12393-1

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

For:

META Environmental
49 Clarendon Street
Watertown, MA 02472

Attention: Peter DeClercq



Approved for release.
Denise Giglia
Project Manager I
12/19/2011 4:19 PM

Denise Giglia
Project Manager I
denise.giglia@testamericainc.com
12/19/2011

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

Table of Contents

Cover Title Page	1
Data Summaries	5
Report Narrative	5
Manual Integration Summary	6
Sample Summary	7
Executive Summary	8
Method Summary	10
Method / Analyst Summary	11
Sample Datasheets	12
Surrogate Summary	31
QC Data Summary	33
Data Qualifiers	43
QC Association Summary	44
Lab Chronicle	47
Certification Summary	51
Organic Sample Data	52
GC/MS VOA	52
Method 8260B	52
Method 8260B QC Summary	53
Method 8260B Sample Data	74
Standards Data	141
Method 8260B ICAL Data	141
Method 8260B CCAL Data	209
Raw QC Data	233
Method 8260B Tune Data	233
Method 8260B Blank Data	251

Table of Contents

Method 8260B LCS/LCSD Data	273
Method 8260B Run Logs	285
GC/MS Semi VOA	291
Method 8270C	291
Method 8270C QC Summary	292
Method 8270C Sample Data	305
Standards Data	344
Method 8270C ICAL Data	344
Method 8270C CCAL Data	378
Raw QC Data	400
Method 8270C Tune Data	400
Method 8270C Blank Data	412
Method 8270C LCS/LCSD Data	419
Method 8270C Run Logs	429
Method 8270C Prep Data	432
Inorganic Sample Data	434
General Chemistry Data	434
Gen Chem Cover Page	435
Gen Chem Sample Data	436
Gen Chem QC Data	441
Gen Chem ICV/CCV	441
Gen Chem Blanks	445
Gen Chem MS/MSD/PDS	446
Gen Chem LCS/LCSD	447
Gen Chem MDL	448
Gen Chem Preparation Log	450

Table of Contents

Gen Chem Analysis Run Log	453
Gen Chem Raw Data	463
Gen Chem Prep Data	514
Shipping and Receiving Documents	524
Client Chain of Custody	525
Sample Receipt Checklist	526

Job Narrative
480-12393-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method 8260B: Due to sample matrix the surrogate 1,2-Dichloroethane-d4 was not recovery in sample MW 8 DR (480-12393-4). The required dilution of this sample exhibited compliant recoveries for all surrogates.

Method 8260B: The following samples were diluted due to the abundance of target analytes: DW 1R (480-12393-1), MW 3 DR DL (480-12393-2 DL), MW 3 DR DUP DL (480-12393-3 DL). Elevated reporting limits (RLs) are provided.

Method 8260B: The following samples were diluted due to the abundance of target analytes: DW 1R DL (480-12393-1 DL), MW 8 DR DL (480-12393-4 DL). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

GC/MS Semi VOA

Method 8270C: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 480-39229 exceeded control limits for several analytes.

Method 8270C: The following samples was diluted due to an abundance of target analytes : DW 1R (480-12393-1), MW 8 DR (480-12393-4). As such, surrogate recoveries were reduced to a level in which they do not provide useful information. Elevated reporting limits (RLs) are provided.

Method 8270C: The following samples were diluted due to the abundance of target analytes: MW 3 DR (480-12393-2), MW 3 DR DUP (480-12393-3). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

General Chemistry

Method 335.4, 9012A, SM 4500 CN G: The matrix spike recovery for batch 40455 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria. (480-12384-4 MS)

No other analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

This report was revised to add 2-methylnaphthalene.

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1

SDG No.: _____

Instrument ID: HP5973N Analysis Batch Number: 40606Lab Sample ID: 480-12393-4 Client Sample ID: MW 8 DRDate Analyzed: 11/16/11 13:18 Lab File ID: N3548.D GC Column: ZB-624 (60) ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzene	4.34	Split Peak	HillL	11/16/11 14:05

SAMPLE SUMMARY

Client: META Environmental

Job Number: 480-12393-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-12393-1	DW 1R	Water	11/03/2011 1803	11/05/2011 0900
480-12393-2	MW 3 DR	Water	11/03/2011 1805	11/05/2011 0900
480-12393-3	MW 3 DR DUP	Water	11/03/2011 1805	11/05/2011 0900
480-12393-4	MW 8 DR	Water	11/04/2011 1210	11/05/2011 0900
480-12393-5	EB-1	Water	11/04/2011 1200	11/05/2011 0900

EXECUTIVE SUMMARY - Detections

Client: META Environmental

Job Number: 480-12393-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-12393-1	DW 1R					
Benzene		30000		400	ug/L	8260B
Toluene		7900		130	ug/L	8260B
Ethylbenzene		2400		130	ug/L	8260B
m-Xylene & p-Xylene		1900		250	ug/L	8260B
o-Xylene		910		130	ug/L	8260B
Xylenes, Total		2800		250	ug/L	8260B
Acenaphthene		73	J	99	ug/L	8270C
Anthracene		23	J *	99	ug/L	8270C
Fluorene		20	J	99	ug/L	8270C
Naphthalene		2500		99	ug/L	8270C
Phenanthrene		24	J *	99	ug/L	8270C
2-Methylnaphthalene		270		99	ug/L	8270C
Cyanide, Total		0.71		0.020	mg/L	9012A
480-12393-2	MW 3 DR					
Benzene		1100		25	ug/L	8260B
Toluene		110		25	ug/L	8260B
Ethylbenzene		990		25	ug/L	8260B
m-Xylene & p-Xylene		150		2.0	ug/L	8260B
o-Xylene		160		25	ug/L	8260B
Xylenes, Total		320		50	ug/L	8260B
Acenaphthene		35		25	ug/L	8270C
Acenaphthylene		4.4	J	25	ug/L	8270C
Fluorene		5.5	J	25	ug/L	8270C
Naphthalene		650		25	ug/L	8270C
Phenanthrene		2.9	J *	25	ug/L	8270C
2-Methylnaphthalene		30		25	ug/L	8270C
Cyanide, Total		1.2		0.10	mg/L	9012A

EXECUTIVE SUMMARY - Detections

Client: META Environmental

Job Number: 480-12393-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-12393-3	MW 3 DR DUP					
Benzene		1100		25	ug/L	8260B
Toluene		110		25	ug/L	8260B
Ethylbenzene		980		25	ug/L	8260B
m-Xylene & p-Xylene		140		2.0	ug/L	8260B
o-Xylene		150		25	ug/L	8260B
Xylenes, Total		300		50	ug/L	8260B
Acenaphthene		34		24	ug/L	8270C
Acenaphthylene		3.8	J	24	ug/L	8270C
Fluorene		5.7	J	24	ug/L	8270C
Naphthalene		600		24	ug/L	8270C
Phenanthrene		2.6	J *	24	ug/L	8270C
2-Methylnaphthalene		28		24	ug/L	8270C
Cyanide, Total		0.85		0.10	mg/L	9012A
480-12393-4	MW 8 DR					
Benzene		47000		800	ug/L	8260B
Toluene		36		1.0	ug/L	8260B
Ethylbenzene		2300		800	ug/L	8260B
m-Xylene & p-Xylene		1000	J	1600	ug/L	8260B
o-Xylene		650	J	800	ug/L	8260B
Xylenes, Total		1700		1600	ug/L	8260B
Acenaphthene		170	J	530	ug/L	8270C
Fluorene		43	J	530	ug/L	8270C
Naphthalene		6500		530	ug/L	8270C
Phenanthrene		49	J *	530	ug/L	8270C
2-Methylnaphthalene		690		530	ug/L	8270C
Cyanide, Total		0.043		0.010	mg/L	9012A
480-12393-5	EB-1					
Naphthalene		6.1		4.9	ug/L	8270C

METHOD SUMMARY

Client: META Environmental

Job Number: 480-12393-1

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)				SW846 3510C
Cyanide, Total and/or Amenable		TAL BUF	SW846 9012A	
Cyanide, Total and/or Amenable, Distillation				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: 480-12393-1

Method	Analyst	Analyst ID
SW846 8260B	Cwiklinski, Charles D	CDC
SW846 8260B	Hill, Leah	LH
SW846 8270C	Franz, Rosemary	RF
SW846 8270C	McKernan, Ryan	RMM
SW846 9012A	Rojecki, James	JR
SW846 9012A	Shantz, Katelyn	KS

Analytical Data

Client: META Environmental

Job Number: 480-12393-1

Client Sample ID: DW 1R

Lab Sample ID: 480-12393-1

Client Matrix: Water

Date Sampled: 11/03/2011 1803

Date Received: 11/05/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-40801	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N3583.D
Dilution:	125			Initial Weight/Volume:	5 mL
Analysis Date:	11/17/2011 0305			Final Weight/Volume:	5 mL
Prep Date:	11/17/2011 0305				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	30000	E (400x)	51	130
Toluene	7900		64	130
Ethylbenzene	2400		93	130
m-Xylene & p-Xylene	1900		83	250
o-Xylene	910		95	130
Xylenes, Total	2800		83	250
Surrogate	%Rec	Qualifier	Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)	81		66 - 137	
Toluene-d8 (Surr)	106		71 - 126	
4-Bromofluorobenzene (Surr)	102		73 - 120	

EMM
11/10/12

Analytical Data

Client: META Environmental

Job Number: 480-12393-1

Client Sample ID: DW 1R

Lab Sample ID: 480-12393-1

Client Matrix: Water

Date Sampled: 11/03/2011 1803

Date Received: 11/05/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-40867	Instrument ID:	HP5973C
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C15619.D
Dilution:	400			Initial Weight/Volume:	5 mL
Analysis Date:	11/17/2011 1438	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	11/17/2011 1438				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	30000		160	400
Toluene	8200		200	400
Ethylbenzene	2400		300	400
m-Xylene & p-Xylene	1900		260	800
o-Xylene	930		300	400
Xylenes, Total	2800		260	800
Surrogate	%Rec	Qualifier	Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)	81		66 - 137	
Toluene-d8 (Surr)	96		71 - 126	
4-Bromofluorobenzene (Surr)	103		73 - 120	

Emm
11/19/11

Analytical Data

Client: META Environmental

Job Number: 480-12393-1

Client Sample ID: MW 3 DR

Lab Sample ID: 480-12393-2

Date Sampled: 11/03/2011 1805

Client Matrix: Water

Date Received: 11/05/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-40606	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N3546.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/16/2011 1231			Final Weight/Volume:	5 mL
Prep Date:	11/16/2011 1231				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	~~480~~ 1100	~~E~~ (25X)	0.41	1.0
Toluene	~~110~~ 110	~~E~~ (25X)	0.51	1.0
Ethylbenzene	~~380~~ 990	~~E~~ (25X)	0.74	1.0
m-Xylene & p-Xylene	150		0.66	2.0
o-Xylene	~~150~~ 160	~~E~~ (25X)	0.76	1.0
Xylenes, Total	~~300~~ 320	~~E~~ (25X)	0.66	2.0
Surrogate	%Rec	Qualifier	Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)	68		66 - 137	
Toluene-d8 (Surr)	104		71 - 126	
4-Bromofluorobenzene (Surr)	104		73 - 120	

Emm
11/16/11

Analytical Data

Client: META Environmental

Job Number: 480-12393-1

Client Sample ID: MW 3 DR

Lab Sample ID: 480-12393-2

Client Matrix: Water

Date Sampled: 11/03/2011 1805

Date Received: 11/05/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-40801	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N3584.D
Dilution:	25			Initial Weight/Volume:	5 mL
Analysis Date:	11/17/2011 0328	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	11/17/2011 0328				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	1100		10	25
Toluene	110		13	25
Ethylbenzene	990		19	25
m-Xylene & p-Xylene	160		17	50
o-Xylene	160		19	25
Xylenes, Total	320		17	50
Surrogate	%Rec	Qualifier	Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)	85		66 - 137	
Toluene-d8 (Surr)	106		71 - 126	
4-Bromofluorobenzene (Surr)	102		73 - 120	

Emm
11/17/11

Analytical Data

Client: META Environmental

Job Number: 480-12393-1

Client Sample ID: MW 3 DR DUP

Lab Sample ID: 480-12393-3

Date Sampled: 11/03/2011 1805

Client Matrix: Water

Date Received: 11/05/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-40606	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N3547.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/16/2011 1254			Final Weight/Volume:	5 mL
Prep Date:	11/16/2011 1254				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	~~480~~ 1100	E (25X)	0.41	1.0
Toluene	~~100~~ 110	E (25X)	0.51	1.0
Ethylbenzene	~~380~~ 980	E (25X)	0.74	1.0
m-Xylene & p-Xylene	140		0.66	2.0
o-Xylene	~~150~~ 150	E (25X)	0.76	1.0
Xylenes, Total	~~290~~ 300	E (25X)	0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	68		66 - 137
Toluene-d8 (Surr)	104		71 - 126
4-Bromofluorobenzene (Surr)	102		73 - 120

Ehm
11/16/12

Analytical Data

Client: META Environmental

Job Number: 480-12393-1

Client Sample ID: MW 3 DR DUP

Lab Sample ID: 480-12393-3

Client Matrix: Water

Date Sampled: 11/03/2011 1805

Date Received: 11/05/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-40801	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N3585.D
Dilution:	25			Initial Weight/Volume:	5 mL
Analysis Date:	11/17/2011 0352	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	11/17/2011 0352				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	1100		10	25
Toluene	110		13	25
Ethylbenzene	980		19	25
m-Xylene & p-Xylene	150		17	50
o-Xylene	150		19	25
Xylenes, Total	300		17	50
Surrogate	%Rec	Qualifier	Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)	85		66 - 137	
Toluene-d8 (Surr)	106		71 - 126	
4-Bromofluorobenzene (Surr)	102		73 - 120	

EM
11/17/11

Analytical Data

Client: META Environmental

Job Number: 480-12393-1

Client Sample ID: MW 8 DR

Lab Sample ID: 480-12393-4

Client Matrix: Water

Date Sampled: 11/04/2011 1210

Date Received: 11/05/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-40606	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N3548.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/16/2011 1318			Final Weight/Volume:	5 mL
Prep Date:	11/16/2011 1318				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	1900	E ~~J~~ (800x)	0.41	1.0
Toluene	36	J	0.51	1.0
Ethylbenzene	550	E ~~J~~ (200x)	0.74	1.0
m-Xylene & p-Xylene	610	E ~~J~~ (800x)	0.66	2.0
o-Xylene	510	E ~~J~~ (200x)	0.76	1.0
Xylenes, Total	1100	E ~~J~~ (800x)	0.66	2.0

Handwritten notes in red: 47000, 2300, 1000, 650, 1700, J, J

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	0	X	66 - 137
Toluene-d8 (Surr)	105		71 - 126
4-Bromofluorobenzene (Surr)	94		73 - 120

Emm
11/19/11

Analytical Data

Client: META Environmental

Job Number: 480-12393-1

Client Sample ID: MW 8 DR

Lab Sample ID: 480-12393-4

Client Matrix: Water

Date Sampled: 11/04/2011 1210

Date Received: 11/05/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-40985	Instrument ID:	HP5973C
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C15642.D
Dilution:	800			Initial Weight/Volume:	5 mL
Analysis Date:	11/18/2011 0108	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	11/18/2011 0108				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	47000		330	800
Toluene	ND		410	800
Ethylbenzene	2300		590	800
m-Xylene & p-Xylene	1000	J	530	1600
o-Xylene	650	J	610	800
Xylenes, Total	1700		530	1600
Surrogate	%Rec	Qualifier	Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)	88		66 - 137	
Toluene-d8 (Surr)	104		71 - 126	
4-Bromofluorobenzene (Surr)	112		73 - 120	

Emm
11/18/11

Analytical Data

Client: META Environmental

Job Number: 480-12393-1

Client Sample ID: EB-1

Lab Sample ID: 480-12393-5

Client Matrix: Water

Date Sampled: 11/04/2011 1200

Date Received: 11/05/2011 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-40801	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N3587.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	11/17/2011 0437			Final Weight/Volume:	5 mL
Prep Date:	11/17/2011 0437				

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)	88		66 - 137
Toluene-d8 (Surr)	106		71 - 126
4-Bromofluorobenzene (Surr)	100		73 - 120

ERM
11/14/12

Analytical Data

Client: META Environmental

Job Number: 480-12393-1

Client Sample ID: DW 1R

Lab Sample ID: 480-12393-1

Client Matrix: Water

Date Sampled: 11/03/2011 1803

Date Received: 11/05/2011 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-39801	Instrument ID:	HP5973X
Prep Method:	3510C	Prep Batch:	480-39229	Lab File ID:	X0712.D
Dilution:	20			Initial Weight/Volume:	1010 mL
Analysis Date:	11/10/2011 1633			Final Weight/Volume:	1 mL
Prep Date:	11/07/2011 1412			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	73	J J	8.1	99
Acenaphthylene	ND		7.5	99
Anthracene	23	J J	5.5	99
Benzo(a)anthracene	ND		7.1	99
Benzo(a)pyrene	ND		9.3	99
Benzo(b)fluoranthene	ND		6.7	99
Benzo(g,h,i)perylene	ND		6.9	99
Benzo(k)fluoranthene	ND		14	99
Chrysene	ND		6.5	99
Dibenz(a,h)anthracene	ND		8.3	99
Fluoranthene	ND		7.9	99
Fluorene	20	J J	7.1	99
Indeno(1,2,3-c,d)pyrene	ND		9.3	99
Naphthalene	2500		15	99
Phenanthrene	24	J J	8.7	99
Pyrene	ND		6.7	99
2-Methylnaphthalene	270		12	99
Surrogate	%Rec	Qualifier	Acceptance Limits	
Nitrobenzene-d5	72		46 - 120	
2-Fluorobiphenyl	97		48 - 120	
p-Terphenyl-d14	62		24 - 136	

Emm
11/11/11

Analytical Data

Client: META Environmental

Job Number: 480-12393-1

Client Sample ID: MW 3 DR

Lab Sample ID: 480-12393-2

Client Matrix: Water

Date Sampled: 11/03/2011 1805

Date Received: 11/05/2011 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-39801	Instrument ID:	HP5973X
Prep Method:	3510C	Prep Batch:	480-39229	Lab File ID:	X0713.D
Dilution:	5.0			Initial Weight/Volume:	1010 mL
Analysis Date:	11/10/2011 1656			Final Weight/Volume:	1 mL
Prep Date:	11/07/2011 1412			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	35		2.0	25
Acenaphthylene	4.4	J	1.9	25
Anthracene	ND		1.4	25
Benz(a)anthracene	ND		1.8	25
Benzo(a)pyrene	ND		2.3	25
Benzo(b)fluoranthene	ND		1.7	25
Benzo(g,h,i)perylene	ND		1.7	25
Benzo(k)fluoranthene	ND		3.6	25
Chrysene	ND		1.6	25
Dibenz(a,h)anthracene	ND		2.1	25
Fluoranthene	ND		2.0	25
Fluorene	5.5	J	1.8	25
Indeno(1,2,3-c,d)pyrene	ND		2.3	25
Naphthalene	650		3.8	25
Phenanthrene	2.9	J	2.2	25
Pyrene	ND		1.7	25
2-Methylnaphthalene	30		3.0	25

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	82		46 - 120
2-Fluorobiphenyl	92		48 - 120
p-Terphenyl-d14	55		24 - 136

Emm
11/10/11

Analytical Data

Client: META Environmental

Job Number: 480-12393-1

Client Sample ID: MW 3 DR DUP

Lab Sample ID: 480-12393-3

Client Matrix: Water

Date Sampled: 11/03/2011 1805

Date Received: 11/05/2011 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-39801	Instrument ID:	HP5973X
Prep Method:	3510C	Prep Batch:	480-39229	Lab File ID:	X0714.D
Dilution:	5.0			Initial Weight/Volume:	1060 mL
Analysis Date:	11/10/2011 1719			Final Weight/Volume:	1 mL
Prep Date:	11/07/2011 1412			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	34		1.9	24
Acenaphthylene	3.8	J J	1.8	24
Anthracene	ND	J	1.3	24
Benz(a)anthracene	ND	J	1.7	24
Benzo(a)pyrene	ND	J	2.2	24
Benzo(b)fluoranthene	ND	J	1.6	24
Benzo(g,h,i)perylene	ND	J	1.7	24
Benzo(k)fluoranthene	ND	J	3.4	24
Chrysene	ND	J	1.6	24
Dibenz(a,h)anthracene	ND	J	2.0	24
Fluoranthene	ND	J	1.9	24
Fluorene	5.7	J J	1.7	24
Indeno(1,2,3-c,d)pyrene	ND	J	2.2	24
Naphthalene	600		3.6	24
Phenanthrene	2.6	J J	2.1	24
Pyrene	ND		1.6	24
2-Methylnaphthalene	28		2.8	24
Surrogate	%Rec	Qualifier	Acceptance Limits	
Nitrobenzene-d5	75		46 - 120	
2-Fluorobiphenyl	93		48 - 120	
p-Terphenyl-d14	110		24 - 136	

EPA
11/11/11

Analytical Data

Client: META Environmental

Job Number: 480-12393-1

Client Sample ID: MW 8 DR

Lab Sample ID: 480-12393-4

Client Matrix: Water

Date Sampled: 11/04/2011 1210

Date Received: 11/05/2011 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-39801	Instrument ID:	HP5973X
Prep Method:	3510C	Prep Batch:	480-39229	Lab File ID:	X0715.D
Dilution:	100			Initial Weight/Volume:	950 mL
Analysis Date:	11/10/2011 1742			Final Weight/Volume:	1 mL
Prep Date:	11/07/2011 1412			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	170	J J	43	530
Acenaphthylene	ND		40	530
Anthracene	ND		29	530
Benz(a)anthracene	ND		38	530
Benzo(a)pyrene	ND		49	530
Benzo(b)fluoranthene	ND		36	530
Benzo(g,h,i)perylene	ND		37	530
Benzo(k)fluoranthene	ND		77	530
Chrysene	ND		35	530
Dibenz(a,h)anthracene	ND		44	530
Fluoranthene	ND		42	530
Fluorene	43	J J	38	530
Indeno(1,2,3-c,d)pyrene	ND		49	530
Naphthalene	6500		80	530
Phenanthrene	49	J J	46	530
Pyrene	ND		36	530
2-Methylnaphthalene	690		63	530

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	79		46 - 120
2-Fluorobiphenyl	106		48 - 120
p-Terphenyl-d14	82		24 - 136

Exam
11/12

Analytical Data

Client: META Environmental

Job Number: 480-12393-1

Client Sample ID: EB-1

Lab Sample ID: 480-12393-5

Date Sampled: 11/04/2011 1200

Client Matrix: Water

Date Received: 11/05/2011 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-39590	Instrument ID:	HP5973X
Prep Method:	3510C	Prep Batch:	480-39229	Lab File ID:	X0646.D
Dilution:	1.0			Initial Weight/Volume:	1030 mL
Analysis Date:	11/09/2011 2313			Final Weight/Volume:	1 mL
Prep Date:	11/07/2011 1412			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		0.71	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	6.1		0.74	4.9
Phenanthrene	ND		0.43	4.9
Pyrene	ND		0.33	4.9
2-Methylnaphthalene	ND		0.58	4.9

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	78		46 - 120
2-Fluorobiphenyl	82		48 - 120
p-Terphenyl-d14	90		24 - 136

EMM
11/11/11

Analytical Data

Client: META Environmental

Job Number: 480-12393-1

General Chemistry**Client Sample ID:** DW 1R**Lab Sample ID:** 480-12393-1**Client Matrix:** Water**Date Sampled:** 11/03/2011 1803**Date Received:** 11/05/2011 0900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.71		mg/L	0.010	0.020	2.0	9012A

Analysis Batch: 480-40944 Analysis Date: 11/17/2011 1417
Prep Batch: 480-40786 Prep Date: 11/16/2011 1646

Analytical Data

Client: META Environmental

Job Number: 480-12393-1

General Chemistry

Client Sample ID: MW 3 DR

Lab Sample ID: 480-12393-2

Date Sampled: 11/03/2011 1805

Client Matrix: Water

Date Received: 11/05/2011 0900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	1.2	J	mg/L	0.050	0.10	10	9012A

Analysis Batch: 480-40944 Analysis Date: 11/17/2011 1418
Prep Batch: 480-40786 Prep Date: 11/16/2011 1646

Analytical Data

Client: META Environmental

Job Number: 480-12393-1

General Chemistry

Client Sample ID: MW 3 DR DUP

Lab Sample ID: 480-12393-3

Client Matrix: Water

Date Sampled: 11/03/2011 1805

Date Received: 11/05/2011 0900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.85	J	mg/L	0.050	0.10	10	9012A

Analysis Batch: 480-40944 Analysis Date: 11/17/2011 1419
Prep Batch: 480-40786 Prep Date: 11/16/2011 1646

Analytical Data

Client: META Environmental

Job Number: 480-12393-1

General Chemistry

Client Sample ID: MW 8 DR

Lab Sample ID: 480-12393-4

Client Matrix: Water

Date Sampled: 11/04/2011 1210

Date Received: 11/05/2011 0900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.043	J	mg/L	0.0050	0.010	1.0	9012A
	Analysis Batch: 480-41133		Analysis Date: 11/18/2011 1345				
	Prep Batch: 480-41045		Prep Date: 11/18/2011 1022				

Analytical Data

Client: META Environmental

Job Number: 480-12393-1

General Chemistry

Client Sample ID: EB-1

Lab Sample ID: 480-12393-5

Client Matrix: Water

Date Sampled: 11/04/2011 1200

Date Received: 11/05/2011 0900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	ND		mg/L	0.0050	0.010	1.0	9012A
Analysis Batch: 480-40455		Analysis Date: 11/15/2011 1224					
Prep Batch: 480-40070		Prep Date: 11/11/2011 1435					

Client: META Environmental

Job Number: 480-12393-1

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

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
480-12393-1 DL	DW 1R DL	81	96	103
480-12393-1	DW 1R	81	106	102
480-12393-2	MW 3 DR	68	104	104
480-12393-2 DL	MW 3 DR DL	85	106	102
480-12393-3	MW 3 DR DUP	68	104	102
480-12393-3 DL	MW 3 DR DUP DL	85	106	102
480-12393-4 DL	MW 8 DR DL	88	104	112
480-12393-4	MW 8 DR	0X	105	94
480-12393-5	EB-1	88	106	100
MB 480-40606/5		88	105	98
MB 480-40801/5		87	107	100
MB 480-40867/5		92	101	106
MB 480-40985/5		89	104	109
LCS 480-40606/4		85	105	100
LCS 480-40801/4		84	107	103
LCS 480-40867/4		89	100	109
LCS 480-40985/4		87	103	112

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: 480-12393-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	NBZ %Rec	FBP %Rec	TPH %Rec
480-12393-1	DW 1R	72	97	62
480-12393-2	MW 3 DR	82	92	55
480-12393-3	MW 3 DR DUP	75	93	110
480-12393-4	MW 8 DR	79	106	82
480-12393-5	EB-1	78	82	90
MB 480-39229/1-A		81	83	112
LCS 480-39229/2-A		80	84	106
LCSD 480-39229/3-A		95	97	127

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: 480-12393-1

Method Blank - Batch: 480-40606

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 480-40606/5	Analysis Batch: 480-40606	Instrument ID: HP5973N
Client Matrix: Water	Prep Batch: N/A	Lab File ID: N3540.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 11/16/2011 1001	Units: ug/L	Final Weight/Volume: 5 mL
Prep Date: 11/16/2011 1001		
Leach Date: N/A		

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

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	88	66 - 137
Toluene-d8 (Surr)	105	71 - 126
4-Bromofluorobenzene (Surr)	98	73 - 120

Lab Control Sample - Batch: 480-40606

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 480-40606/4	Analysis Batch: 480-40606	Instrument ID: HP5973N
Client Matrix: Water	Prep Batch: N/A	Lab File ID: N3539.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 11/16/2011 0938	Units: ug/L	Final Weight/Volume: 5 mL
Prep Date: 11/16/2011 0938		
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	25.0	22.4	90	71 - 124	
Toluene	25.0	22.7	91	70 - 122	
Ethylbenzene	25.0	22.6	90	77 - 123	
m-Xylene & p-Xylene	50.0	46.1	92	76 - 122	
o-Xylene	25.0	22.6	90	76 - 122	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	85	66 - 137
Toluene-d8 (Surr)	105	71 - 126
4-Bromofluorobenzene (Surr)	100	73 - 120

Quality Control Results

Client: META Environmental

Job Number: 480-12393-1

Method Blank - Batch: 480-40801

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 480-40801/5	Analysis Batch:	480-40801	Instrument ID:	HP5973N
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N3571.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/16/2011 2211	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/16/2011 2211				
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)	87	66 - 137
Toluene-d8 (Surr)	107	71 - 126
4-Bromofluorobenzene (Surr)	100	73 - 120

Lab Control Sample - Batch: 480-40801

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 480-40801/4	Analysis Batch:	480-40801	Instrument ID:	HP5973N
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N3570.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/16/2011 2149	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/16/2011 2149				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	25.0	25.5	102	71 - 124	
Toluene	25.0	26.2	105	70 - 122	
Ethylbenzene	25.0	25.8	103	77 - 123	
m-Xylene & p-Xylene	50.0	52.2	104	76 - 122	
o-Xylene	25.0	25.9	104	76 - 122	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	84	66 - 137
Toluene-d8 (Surr)	107	71 - 126
4-Bromofluorobenzene (Surr)	103	73 - 120

Quality Control Results

Client: META Environmental

Job Number: 480-12393-1

Method Blank - Batch: 480-40867

Method: 8260B

Preparation: 5030B

Lab Sample ID:	MB 480-40867/5	Analysis Batch:	480-40867	Instrument ID:	HP5973C
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C15613.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/17/2011 1134	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/17/2011 1134				
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)	92	66 - 137
Toluene-d8 (Surr)	101	71 - 126
4-Bromofluorobenzene (Surr)	106	73 - 120

Lab Control Sample - Batch: 480-40867

Method: 8260B

Preparation: 5030B

Lab Sample ID:	LCS 480-40867/4	Analysis Batch:	480-40867	Instrument ID:	HP5973C
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C15614.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	11/17/2011 1219	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	11/17/2011 1219				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	25.0	24.9	100	71 - 124	
Toluene	25.0	24.9	100	70 - 122	
Ethylbenzene	25.0	24.4	98	77 - 123	
m-Xylene & p-Xylene	50.0	51.8	104	76 - 122	
o-Xylene	25.0	24.3	97	76 - 122	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	89	66 - 137
Toluene-d8 (Surr)	100	71 - 126
4-Bromofluorobenzene (Surr)	109	73 - 120

Quality Control Results

Client: META Environmental

Job Number: 480-12393-1

Method Blank - Batch: 480-40985

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 480-40985/5
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/18/2011 0024
Prep Date: 11/18/2011 0024
Leach Date: N/A

Analysis Batch: 480-40985
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: HP5973C
Lab File ID: C15641.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

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)	89	66 - 137
Toluene-d8 (Surr)	104	71 - 126
4-Bromofluorobenzene (Surr)	109	73 - 120

Lab Control Sample - Batch: 480-40985

Method: 8260B

Preparation: 5030B

Lab Sample ID: LCS 480-40985/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/17/2011 2359
Prep Date: 11/17/2011 2359
Leach Date: N/A

Analysis Batch: 480-40985
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: HP5973C
Lab File ID: C15640.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	25.0	26.8	107	71 - 124	
Toluene	25.0	27.8	111	70 - 122	
Ethylbenzene	25.0	26.8	107	77 - 123	
m-Xylene & p-Xylene	50.0	57.6	115	76 - 122	
o-Xylene	25.0	27.3	109	76 - 122	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	87	66 - 137
Toluene-d8 (Surr)	103	71 - 126
4-Bromofluorobenzene (Surr)	112	73 - 120

Quality Control Results

Client: META Environmental

Job Number: 480-12393-1

Method Blank - Batch: 480-39229

Method: 8270C

Preparation: 3510C

Lab Sample ID: MB 480-39229/1-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 11/09/2011 1450
 Prep Date: 11/07/2011 1412
 Leach Date: N/A

Analysis Batch: 480-39590
 Prep Batch: 480-39229
 Leach Batch: N/A
 Units: ug/L

Instrument ID: HP5973X
 Lab File ID: X0624.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	81	46 - 120
2-Fluorobiphenyl	83	48 - 120
p-Terphenyl-d14	112	24 - 136

Quality Control Results

Client: META Environmental

Job Number: 480-12393-1

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 480-39229

Method: 8270C

Preparation: 3510C

LCS Lab Sample ID: LCS 480-39229/2-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 11/09/2011 1513
 Prep Date: 11/07/2011 1412
 Leach Date: N/A

Analysis Batch: 480-39590
 Prep Batch: 480-39229
 Leach Batch: N/A
 Units: ug/L

Instrument ID: HP5973X
 Lab File ID: X0625.D
 Initial Weight/Volume: 1000 mL
 Final Weight/Volume: 1 mL
 Injection Volume: 1 uL

LCSD Lab Sample ID: LCSD 480-39229/3-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 11/09/2011 1536
 Prep Date: 11/07/2011 1412
 Leach Date: N/A

Analysis Batch: 480-39590
 Prep Batch: 480-39229
 Leach Batch: N/A
 Units: ug/L

Instrument ID: HP5973X
 Lab File ID: X0626.D
 Initial Weight/Volume: 1000 mL
 Final Weight/Volume: 1 mL
 Injection Volume: 1 uL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Acenaphthene	87	100	60 - 120	14	24		
Acenaphthylene	84	97	63 - 120	14	18		
Anthracene	93	111	69 - 131	18	15		*
Benz(a)anthracene	99	120	73 - 138	19	15		*
Benzo(a)pyrene	95	116	74 - 126	20	15		*
Benzo(b)fluoranthene	93	109	75 - 133	16	15		*
Benzo(g,h,i)perylene	104	125	66 - 152	18	15		*
Benzo(k)fluoranthene	86	107	75 - 133	21	22		
Chrysene	99	120	69 - 140	19	15		*
Dibenz(a,h)anthracene	95	115	67 - 144	19	15		*
Fluoranthene	91	111	67 - 133	20	15		*
Fluorene	91	106	66 - 129	15	15		
Indeno(1,2,3-c,d)pyrene	95	116	69 - 146	20	15		*
Naphthalene	71	79	48 - 120	11	29		
Phenanthrene	91	110	67 - 130	18	15		*
Pyrene	101	122	58 - 136	19	19		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Nitrobenzene-d5	80		95		46 - 120		
2-Fluorobiphenyl	84		97		48 - 120		
p-Terphenyl-d14	106		127		24 - 136		

Quality Control Results

Client: META Environmental

Job Number: 480-12393-1

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 480-39229**

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

LCS Lab Sample ID: LCS 480-39229/2-A Units: ug/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/09/2011 1513
Prep Date: 11/07/2011 1412
Leach Date: N/A

LCSD Lab Sample ID: LCSD 480-39229/3-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/09/2011 1536
Prep Date: 11/07/2011 1412
Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Acenaphthene	100	100	87.3	100
Acenaphthylene	100	100	84.3	97.2
Anthracene	100	100	92.5	111 *
Benz(a)anthracene	100	100	99.0	120 *
Benzo(a)pyrene	100	100	95.1	116 *
Benzo(b)fluoranthene	100	100	93.0	109 *
Benzo(g,h,i)perylene	100	100	104	125 *
Benzo(k)fluoranthene	100	100	86.1	107
Chrysene	100	100	99.0	120 *
Dibenz(a,h)anthracene	100	100	94.8	115 *
Fluoranthene	100	100	91.3	111 *
Fluorene	100	100	90.8	106
Indeno(1,2,3-c,d)pyrene	100	100	95.1	116 *
Naphthalene	100	100	70.9	79.4
Phenanthrene	100	100	91.4	110 *
Pyrene	100	100	101	122

Quality Control Results

Client: META Environmental

Job Number: 480-12393-1

Method Blank - Batch: 480-40070

Method: 9012A Preparation: 9012A

Lab Sample ID: MB 480-40070/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/15/2011 1209
Prep Date: 11/11/2011 1435
Leach Date: N/A

Analysis Batch: 480-40455
Prep Batch: 480-40070
Leach Batch: N/A
Units: mg/L

Instrument ID: LACHAT2
Lab File ID: OM_11-15-2011_11-44
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: 480-40070

Method: 9012A Preparation: 9012A

Lab Sample ID: LCS 480-40070/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/15/2011 1208
Prep Date: 11/11/2011 1435
Leach Date: N/A

Analysis Batch: 480-40455
Prep Batch: 480-40070
Leach Batch: N/A
Units: mg/L

Instrument ID: LACHAT2
Lab File ID: OM_11-15-2011_11-44
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	0.250	0.236	94	90 - 110	

Quality Control Results

Client: META Environmental

Job Number: 480-12393-1

Method Blank - Batch: 480-40786

Method: 9012A
Preparation: 9012A

Lab Sample ID: MB 480-40786/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/17/2011 1214
Prep Date: 11/16/2011 1646
Leach Date: N/A

Analysis Batch: 480-40927
Prep Batch: 480-40786
Leach Batch: N/A
Units: mg/L

Instrument ID: LACHAT2
Lab File ID: OM_11-17-2011_12-11
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: 480-40786

Method: 9012A
Preparation: 9012A

Lab Sample ID: LCS 480-40786/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/17/2011 1215
Prep Date: 11/16/2011 1646
Leach Date: N/A

Analysis Batch: 480-40927
Prep Batch: 480-40786
Leach Batch: N/A
Units: mg/L

Instrument ID: LACHAT2
Lab File ID: OM_11-17-2011_12-11
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	0.250	0.253	101	90 - 110	

Matrix Spike - Batch: 480-40786

Method: 9012A
Preparation: 9012A

Lab Sample ID: 480-12393-1
Client Matrix: Water
Dilution: 2.0
Analysis Date: 11/17/2011 1417
Prep Date: 11/16/2011 1646
Leach Date: N/A

Analysis Batch: 480-40944
Prep Batch: 480-40786
Leach Batch: N/A
Units: mg/L

Instrument ID: LACHAT2
Lab File ID: OM_11-17-2011_02-13
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	0.71	0.100	0.776	70	85 - 115	4

Quality Control Results

Client: META Environmental

Job Number: 480-12393-1

Method Blank - Batch: 480-41045

Method: 9012A Preparation: 9012A

Lab Sample ID: MB 480-41045/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/18/2011 1330
Prep Date: 11/18/2011 1022
Leach Date: N/A

Analysis Batch: 480-41133
Prep Batch: 480-41045
Leach Batch: N/A
Units: mg/L

Instrument ID: LACHAT2
Lab File ID: OM_11-18-2011_01-06
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: 480-41045

Method: 9012A Preparation: 9012A

Lab Sample ID: LCS 480-41045/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/18/2011 1330
Prep Date: 11/18/2011 1022
Leach Date: N/A

Analysis Batch: 480-41133
Prep Batch: 480-41045
Leach Batch: N/A
Units: mg/L

Instrument ID: LACHAT2
Lab File ID: OM_11-18-2011_01-06
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	0.400	0.420	105	90 - 110	

DATA REPORTING QUALIFIERS

Client: META Environmental

Job Number: 480-12393-1

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

Quality Control Results

Client: META Environmental

Job Number: 480-12393-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report	Client Matrix	Method	Prep Batch
		Basis			
GC/MS VOA					
Analysis Batch:480-40606					
LCS 480-40606/4	Lab Control Sample	T	Water	8260B	
MB 480-40606/5	Method Blank	T	Water	8260B	
480-12393-2	MW 3 DR	T	Water	8260B	
480-12393-3	MW 3 DR DUP	T	Water	8260B	
480-12393-4	MW 8 DR	T	Water	8260B	
Analysis Batch:480-40801					
LCS 480-40801/4	Lab Control Sample	T	Water	8260B	
MB 480-40801/5	Method Blank	T	Water	8260B	
480-12393-1	DW 1R	T	Water	8260B	
480-12393-2DL	MW 3 DR	T	Water	8260B	
480-12393-3DL	MW 3 DR DUP	T	Water	8260B	
480-12393-5	EB-1	T	Water	8260B	
Analysis Batch:480-40867					
LCS 480-40867/4	Lab Control Sample	T	Water	8260B	
MB 480-40867/5	Method Blank	T	Water	8260B	
480-12393-1DL	DW 1R	T	Water	8260B	
Analysis Batch:480-40985					
LCS 480-40985/4	Lab Control Sample	T	Water	8260B	
MB 480-40985/5	Method Blank	T	Water	8260B	
480-12393-4DL	MW 8 DR	T	Water	8260B	

Report Basis

T = Total

Quality Control Results

Client: META Environmental

Job Number: 480-12393-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
GC/MS Semi VOA					
Prep Batch: 480-39229					
LCS 480-39229/2-A	Lab Control Sample	T	Water	3510C	
LCSD 480-39229/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 480-39229/1-A	Method Blank	T	Water	3510C	
480-12393-1	DW 1R	T	Water	3510C	
480-12393-2	MW 3 DR	T	Water	3510C	
480-12393-3	MW 3 DR DUP	T	Water	3510C	
480-12393-4	MW 8 DR	T	Water	3510C	
480-12393-5	EB-1	T	Water	3510C	
Analysis Batch:480-39590					
LCS 480-39229/2-A	Lab Control Sample	T	Water	8270C	480-39229
LCSD 480-39229/3-A	Lab Control Sample Duplicate	T	Water	8270C	480-39229
MB 480-39229/1-A	Method Blank	T	Water	8270C	480-39229
480-12393-5	EB-1	T	Water	8270C	480-39229
Analysis Batch:480-39801					
480-12393-1	DW 1R	T	Water	8270C	480-39229
480-12393-2	MW 3 DR	T	Water	8270C	480-39229
480-12393-3	MW 3 DR DUP	T	Water	8270C	480-39229
480-12393-4	MW 8 DR	T	Water	8270C	480-39229

Report Basis

T = Total

Quality Control Results

Client: META Environmental

Job Number: 480-12393-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 480-40070					
LCS 480-40070/2-A	Lab Control Sample	T	Water	9012A	
MB 480-40070/1-A	Method Blank	T	Water	9012A	
480-12393-5	EB-1	T	Water	9012A	
Analysis Batch:480-40455					
LCS 480-40070/2-A	Lab Control Sample	T	Water	9012A	480-40070
MB 480-40070/1-A	Method Blank	T	Water	9012A	480-40070
480-12393-5	EB-1	T	Water	9012A	480-40070
Prep Batch: 480-40786					
LCS 480-40786/2-A	Lab Control Sample	T	Water	9012A	
MB 480-40786/1-A	Method Blank	T	Water	9012A	
480-12393-1	DW 1R	T	Water	9012A	
480-12393-1MS	Matrix Spike	T	Water	9012A	
480-12393-2	MW 3 DR	T	Water	9012A	
480-12393-3	MW 3 DR DUP	T	Water	9012A	
Analysis Batch:480-40927					
LCS 480-40786/2-A	Lab Control Sample	T	Water	9012A	480-40786
MB 480-40786/1-A	Method Blank	T	Water	9012A	480-40786
Analysis Batch:480-40944					
480-12393-1	DW 1R	T	Water	9012A	480-40786
480-12393-1MS	Matrix Spike	T	Water	9012A	480-40786
480-12393-2	MW 3 DR	T	Water	9012A	480-40786
480-12393-3	MW 3 DR DUP	T	Water	9012A	480-40786
Prep Batch: 480-41045					
LCS 480-41045/2-A	Lab Control Sample	T	Water	9012A	
MB 480-41045/1-A	Method Blank	T	Water	9012A	
480-12393-4	MW 8 DR	T	Water	9012A	
Analysis Batch:480-41133					
LCS 480-41045/2-A	Lab Control Sample	T	Water	9012A	480-41045
MB 480-41045/1-A	Method Blank	T	Water	9012A	480-41045
480-12393-4	MW 8 DR	T	Water	9012A	480-41045

Report Basis

T = Total

Quality Control Results

Client: META Environmental

Job Number: 480-12393-1

Laboratory Chronicle

Lab ID: 480-12393-1

Client ID: DW 1R

Sample Date/Time: 11/03/2011 18:03

Received Date/Time: 11/05/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-12393-E-1		480-40801		11/17/2011 03:05	125	TAL BUF	LH
A:8260B	480-12393-E-1		480-40801		11/17/2011 03:05	125	TAL BUF	LH
P:5030B	480-12393-E-1	DL	480-40867		11/17/2011 14:38	400	TAL BUF	LH
A:8260B	480-12393-E-1	DL	480-40867		11/17/2011 14:38	400	TAL BUF	LH
P:3510C	480-12393-B-1-A		480-39801	480-39229	11/07/2011 14:12	20	TAL BUF	DE
A:8270C	480-12393-B-1-A		480-39801	480-39229	11/10/2011 16:33	20	TAL BUF	RMM
P:9012A	480-12393-C-1-B ^2		480-40944	480-40786	11/16/2011 16:46	2	TAL BUF	PN
A:9012A	480-12393-C-1-B ^2		480-40944	480-40786	11/17/2011 14:17	2	TAL BUF	KS

Lab ID: 480-12393-1 MS

Client ID: DW 1R

Sample Date/Time: 11/03/2011 18:03

Received Date/Time: 11/05/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:9012A	480-12393-C-1-C MS ^2		480-40944	480-40786	11/16/2011 16:46	2	TAL BUF	PN
A:9012A	480-12393-C-1-C MS ^2		480-40944	480-40786	11/17/2011 14:17	2	TAL BUF	KS

Lab ID: 480-12393-2

Client ID: MW 3 DR

Sample Date/Time: 11/03/2011 18:05

Received Date/Time: 11/05/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-12393-D-2		480-40606		11/16/2011 12:31	1	TAL BUF	CDC
A:8260B	480-12393-D-2		480-40606		11/16/2011 12:31	1	TAL BUF	CDC
P:5030B	480-12393-E-2	DL	480-40801		11/17/2011 03:28	25	TAL BUF	LH
A:8260B	480-12393-E-2	DL	480-40801		11/17/2011 03:28	25	TAL BUF	LH
P:3510C	480-12393-A-2-A		480-39801	480-39229	11/07/2011 14:12	5	TAL BUF	DE
A:8270C	480-12393-A-2-A		480-39801	480-39229	11/10/2011 16:56	5	TAL BUF	RMM
P:9012A	480-12393-C-2-B ^10		480-40944	480-40786	11/16/2011 16:46	10	TAL BUF	PN
A:9012A	480-12393-C-2-B ^10		480-40944	480-40786	11/17/2011 14:18	10	TAL BUF	KS

Quality Control Results

Client: META Environmental

Job Number: 480-12393-1

Laboratory Chronicle

Lab ID: 480-12393-3

Client ID: MW 3 DR DUP

Sample Date/Time: 11/03/2011 18:05

Received Date/Time: 11/05/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-12393-D-3		480-40606		11/16/2011 12:54	1	TAL BUF	CDC
A:8260B	480-12393-D-3		480-40606		11/16/2011 12:54	1	TAL BUF	CDC
P:5030B	480-12393-E-3	DL	480-40801		11/17/2011 03:52	25	TAL BUF	LH
A:8260B	480-12393-E-3	DL	480-40801		11/17/2011 03:52	25	TAL BUF	LH
P:3510C	480-12393-A-3-A		480-39801	480-39229	11/07/2011 14:12	5	TAL BUF	DE
A:8270C	480-12393-A-3-A		480-39801	480-39229	11/10/2011 17:19	5	TAL BUF	RMM
P:9012A	480-12393-C-3-B ^10		480-40944	480-40786	11/16/2011 16:46	10	TAL BUF	PN
A:9012A	480-12393-C-3-B ^10		480-40944	480-40786	11/17/2011 14:19	10	TAL BUF	KS

Lab ID: 480-12393-4

Client ID: MW 8 DR

Sample Date/Time: 11/04/2011 12:10

Received Date/Time: 11/05/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-12393-D-4		480-40606		11/16/2011 13:18	1	TAL BUF	CDC
A:8260B	480-12393-D-4		480-40606		11/16/2011 13:18	1	TAL BUF	CDC
P:5030B	480-12393-F-4	DL	480-40985		11/18/2011 01:08	800	TAL BUF	LH
A:8260B	480-12393-F-4	DL	480-40985		11/18/2011 01:08	800	TAL BUF	LH
P:3510C	480-12393-B-4-A		480-39801	480-39229	11/07/2011 14:12	100	TAL BUF	DE
A:8270C	480-12393-B-4-A		480-39801	480-39229	11/10/2011 17:42	100	TAL BUF	RMM
P:9012A	480-12393-C-4-C		480-41133	480-41045	11/18/2011 10:22	1	TAL BUF	PN
A:9012A	480-12393-C-4-C		480-41133	480-41045	11/18/2011 13:45	1	TAL BUF	JR

Lab ID: 480-12393-5

Client ID: EB-1

Sample Date/Time: 11/04/2011 12:00

Received Date/Time: 11/05/2011 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-12393-E-5		480-40801		11/17/2011 04:37	1	TAL BUF	LH
A:8260B	480-12393-E-5		480-40801		11/17/2011 04:37	1	TAL BUF	LH
P:3510C	480-12393-B-5-A		480-39590	480-39229	11/07/2011 14:12	1	TAL BUF	DE
A:8270C	480-12393-B-5-A		480-39590	480-39229	11/09/2011 23:13	1	TAL BUF	RF
P:9012A	480-12393-C-5-A		480-40455	480-40070	11/11/2011 14:35	1	TAL BUF	PN
A:9012A	480-12393-C-5-A		480-40455	480-40070	11/15/2011 12:24	1	TAL BUF	KS

Quality Control Results

Client: META Environmental

Job Number: 480-12393-1

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 480-40606/5		480-40606		11/16/2011 10:01	1	TAL BUF	CDC
A:8260B	MB 480-40606/5		480-40606		11/16/2011 10:01	1	TAL BUF	CDC
P:5030B	MB 480-40801/5		480-40801		11/16/2011 22:11	1	TAL BUF	LH
A:8260B	MB 480-40801/5		480-40801		11/16/2011 22:11	1	TAL BUF	LH
P:5030B	MB 480-40867/5		480-40867		11/17/2011 11:34	1	TAL BUF	LH
A:8260B	MB 480-40867/5		480-40867		11/17/2011 11:34	1	TAL BUF	LH
P:5030B	MB 480-40985/5		480-40985		11/18/2011 00:24	1	TAL BUF	LH
A:8260B	MB 480-40985/5		480-40985		11/18/2011 00:24	1	TAL BUF	LH
P:3510C	MB 480-39229/1-A		480-39590	480-39229	11/07/2011 14:12	1	TAL BUF	DE
A:8270C	MB 480-39229/1-A		480-39590	480-39229	11/09/2011 14:50	1	TAL BUF	RF
P:9012A	MB 480-40070/1-A		480-40455	480-40070	11/11/2011 14:35	1	TAL BUF	PN
A:9012A	MB 480-40070/1-A		480-40455	480-40070	11/15/2011 12:09	1	TAL BUF	KS
P:9012A	MB 480-40786/1-A		480-40927	480-40786	11/16/2011 16:46	1	TAL BUF	PN
A:9012A	MB 480-40786/1-A		480-40927	480-40786	11/17/2011 12:14	1	TAL BUF	KS
P:9012A	MB 480-41045/1-A		480-41133	480-41045	11/18/2011 10:22	1	TAL BUF	PN
A:9012A	MB 480-41045/1-A		480-41133	480-41045	11/18/2011 13:30	1	TAL BUF	JR

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 480-40606/4		480-40606		11/16/2011 09:38	1	TAL BUF	CDC
A:8260B	LCS 480-40606/4		480-40606		11/16/2011 09:38	1	TAL BUF	CDC
P:5030B	LCS 480-40801/4		480-40801		11/16/2011 21:49	1	TAL BUF	LH
A:8260B	LCS 480-40801/4		480-40801		11/16/2011 21:49	1	TAL BUF	LH
P:5030B	LCS 480-40867/4		480-40867		11/17/2011 12:19	1	TAL BUF	LH
A:8260B	LCS 480-40867/4		480-40867		11/17/2011 12:19	1	TAL BUF	LH
P:5030B	LCS 480-40985/4		480-40985		11/17/2011 23:59	1	TAL BUF	LH
A:8260B	LCS 480-40985/4		480-40985		11/17/2011 23:59	1	TAL BUF	LH
P:3510C	LCS 480-39229/2-A		480-39590	480-39229	11/07/2011 14:12	1	TAL BUF	DE
A:8270C	LCS 480-39229/2-A		480-39590	480-39229	11/09/2011 15:13	1	TAL BUF	RF
P:9012A	LCS 480-40070/2-A		480-40455	480-40070	11/11/2011 14:35	1	TAL BUF	PN
A:9012A	LCS 480-40070/2-A		480-40455	480-40070	11/15/2011 12:08	1	TAL BUF	KS
P:9012A	LCS 480-40786/2-A		480-40927	480-40786	11/16/2011 16:46	1	TAL BUF	PN
A:9012A	LCS 480-40786/2-A		480-40927	480-40786	11/17/2011 12:15	1	TAL BUF	KS
P:9012A	LCS 480-41045/2-A		480-41133	480-41045	11/18/2011 10:22	1	TAL BUF	PN
A:9012A	LCS 480-41045/2-A		480-41133	480-41045	11/18/2011 13:30	1	TAL BUF	JR

Quality Control Results

Client: META Environmental

Job Number: 480-12393-1

Laboratory Chronicle

Lab ID: LCSD

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	LCSD 480-39229/3-A		480-39590	480-39229	11/07/2011 14:12	1	TAL BUF	DE
A:8270C	LCSD 480-39229/3-A		480-39590	480-39229	11/09/2011 15:36	1	TAL BUF	RF

Lab References:

TAL BUF = TestAmerica Buffalo

Certification Summary

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

TestAmerica Job ID: 480-12393-1

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	NELAC Secondary AB	3	460185
TestAmerica Buffalo	Virginia	State Program	3	278
TestAmerica Buffalo	Washington	State Program	10	C1677
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.: 480-12393-1
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	480-12393-1	81	106	102
DW 1R DL	480-12393-1 DL	81	96	103
MW 3 DR	480-12393-2	68	104	104
MW 3 DR DL	480-12393-2 DL	85	106	102
MW 3 DR DUP	480-12393-3	68	104	102
MW 3 DR DUP DL	480-12393-3 DL	85	106	102
MW 8 DR	480-12393-4	0 X	105	94
MW 8 DR DL	480-12393-4 DL	88	104	112
EB-1	480-12393-5	88	106	100
	MB 480-40606/5	88	105	98
	MB 480-40801/5	87	107	100
	MB 480-40867/5	92	101	106
	MB 480-40985/5	89	104	109
	LCS 480-40606/4	85	105	100
	LCS 480-40801/4	84	107	103
	LCS 480-40867/4	89	100	109
	LCS 480-40985/4	87	103	112

	<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.: 480-12393-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: N3539.D
Lab ID: LCS 480-40606/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Benzene	25.0	22.4	90	71-124	
Toluene	25.0	22.7	91	70-122	
Ethylbenzene	25.0	22.6	90	77-123	
m-Xylene & p-Xylene	50.0	46.1	92	76-122	
o-Xylene	25.0	22.6	90	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.: 480-12393-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: N3570.D
Lab ID: LCS 480-40801/4 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	26.2	105	70-122	
Ethylbenzene	25.0	25.8	103	77-123	
m-Xylene & p-Xylene	50.0	52.2	104	76-122	
o-Xylene	25.0	25.9	104	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.: 480-12393-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: C15614.D
Lab ID: LCS 480-40867/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Benzene	25.0	24.9	100	71-124	
Toluene	25.0	24.9	100	70-122	
Ethylbenzene	25.0	24.4	98	77-123	
m-Xylene & p-Xylene	50.0	51.8	104	76-122	
o-Xylene	25.0	24.3	97	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.: 480-12393-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: C15640.D
Lab ID: LCS 480-40985/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Benzene	25.0	26.8	107	71-124	
Toluene	25.0	27.8	111	70-122	
Ethylbenzene	25.0	26.8	107	77-123	
m-Xylene & p-Xylene	50.0	57.6	115	76-122	
o-Xylene	25.0	27.3	109	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.: 480-12393-1
SDG No.: _____
Lab File ID: N3540.D Lab Sample ID: MB 480-40606/5
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5973N Date Analyzed: 11/16/2011 10:01
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 480-40606/4	N3539.D	11/16/2011 09:38
MW 3 DR	480-12393-2	N3546.D	11/16/2011 12:31
MW 3 DR DUP	480-12393-3	N3547.D	11/16/2011 12:54
MW 8 DR	480-12393-4	N3548.D	11/16/2011 13:18

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1
SDG No.: _____
Lab File ID: N3571.D Lab Sample ID: MB 480-40801/5
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5973N Date Analyzed: 11/16/2011 22:11
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 480-40801/4	N3570.D	11/16/2011 21:49
DW 1R	480-12393-1	N3583.D	11/17/2011 03:05
MW 3 DR DL	480-12393-2 DL	N3584.D	11/17/2011 03:28
MW 3 DR DUP DL	480-12393-3 DL	N3585.D	11/17/2011 03:52
EB-1	480-12393-5	N3587.D	11/17/2011 04:37

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1
SDG No.: _____
Lab File ID: C15613.D Lab Sample ID: MB 480-40867/5
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5973C Date Analyzed: 11/17/2011 11:34
GC Column: ZB-624 (30) ID: 0.53 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-40867/4	C15614.D	11/17/2011 12:19
DW 1R DL	480-12393-1 DL	C15619.D	11/17/2011 14:38

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1
SDG No.: _____
Lab File ID: C15641.D Lab Sample ID: MB 480-40985/5
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5973C Date Analyzed: 11/18/2011 00:24
GC Column: ZB-624 (30) ID: 0.53 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-40985/4	C15640.D	11/17/2011 23:59
MW 8 DR DL	480-12393-4 DL	C15642.D	11/18/2011 01:08

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

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1
SDG No.: _____
Lab File ID: C15095.D BFB Injection Date: 11/04/2011
Instrument ID: HP5973C BFB Injection Time: 12:45
Analysis Batch No.: 38908

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	23.6
75	30.0 - 60.0 % of mass 95	50.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.8
173	Less than 2.0 % of mass 174	0.5 (0.7) 1
174	50.0 - 120.00 % of mass 95	68.8
175	5.0 - 9.0 % of mass 174	5.1 (7.4) 1
176	95.0 - 101.0 % of mass 174	65.8 (95.6) 1
177	5.0 - 9.0 % of mass 176	4.2 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD 480-38908/2	C15097.D	11/04/2011	13:41
	STD 480-38908/3	C15098.D	11/04/2011	14:06
	STD 480-38908/4	C15099.D	11/04/2011	14:32
	STD 480-38908/5	C15100.D	11/04/2011	14:57
	STD 480-38908/6	C15101.D	11/04/2011	15:22
	STD 480-38908/7	C15102.D	11/04/2011	15:47

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

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1
 SDG No.: _____
 Lab File ID: C15609.D BFB Injection Date: 11/17/2011
 Instrument ID: HP5973C BFB Injection Time: 09:37
 Analysis Batch No.: 40867

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	45.5
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	0.3 (0.4) 1
174	50.0 - 120.00 % of mass 95	81.1
175	5.0 - 9.0 % of mass 174	5.8 (7.2) 1
176	95.0 - 101.0 % of mass 174	77.8 (95.9) 1
177	5.0 - 9.0 % of mass 176	4.8 (6.1) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-40867/2	C15610.D	11/17/2011	10:06
	MB 480-40867/5	C15613.D	11/17/2011	11:34
	LCS 480-40867/4	C15614.D	11/17/2011	12:19
DW 1R DL	480-12393-1 DL	C15619.D	11/17/2011	14:38

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

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1
SDG No.: _____
Lab File ID: C15636.D BFB Injection Date: 11/17/2011
Instrument ID: HP5973C BFB Injection Time: 22:01
Analysis Batch No.: 40985

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	17.2
75	30.0 - 60.0 % of mass 95	43.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.4
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	87.0
175	5.0 - 9.0 % of mass 174	6.6 (7.6) 1
176	95.0 - 101.0 % of mass 174	84.3 (96.9) 1
177	5.0 - 9.0 % of mass 176	5.9 (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 480-40985/2	C15638.D	11/17/2011	22:56
	LCS 480-40985/4	C15640.D	11/17/2011	23:59
	MB 480-40985/5	C15641.D	11/18/2011	00:24
MW 8 DR DL	480-12393-4 DL	C15642.D	11/18/2011	01:08

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

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1
 SDG No.: _____
 Lab File ID: N2239.D BFB Injection Date: 10/19/2011
 Instrument ID: HP5973N BFB Injection Time: 08:41
 Analysis Batch No.: 36062

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	16.9
75	30.0 - 60.0 % of mass 95	50.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.8
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	83.2
175	5.0 - 9.0 % of mass 174	6.2 (7.5) 1
176	95.0 - 101.0 % of mass 174	81.3 (97.7) 1
177	5.0 - 9.0 % of mass 176	5.7 (7.0) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD 480-36062/5	N2241.D	10/19/2011	09:30
	STD 480-36062/6	N2242.D	10/19/2011	09:53
	STD 480-36062/7	N2243.D	10/19/2011	10:16
	STD 480-36062/8	N2244.D	10/19/2011	10:39
	STD 480-36062/9	N2245.D	10/19/2011	11:03
	STD 480-36062/10	N2246.D	10/19/2011	11:26

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

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1
SDG No.: _____
Lab File ID: N3536.D BFB Injection Date: 11/16/2011
Instrument ID: HP5973N BFB Injection Time: 08:15
Analysis Batch No.: 40606

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	15.8
75	30.0 - 60.0 % of mass 95	45.4
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	82.7
175	5.0 - 9.0 % of mass 174	6.2 (7.4) 1
176	95.0 - 101.0 % of mass 174	80.0 (96.6) 1
177	5.0 - 9.0 % of mass 176	5.7 (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 480-40606/2	N3537.D	11/16/2011	08:39
	LCS 480-40606/4	N3539.D	11/16/2011	09:38
	MB 480-40606/5	N3540.D	11/16/2011	10:01
MW 3 DR	480-12393-2	N3546.D	11/16/2011	12:31
MW 3 DR DUP	480-12393-3	N3547.D	11/16/2011	12:54
MW 8 DR	480-12393-4	N3548.D	11/16/2011	13:18

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

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1
 SDG No.: _____
 Lab File ID: N3567.D BFB Injection Date: 11/16/2011
 Instrument ID: HP5973N BFB Injection Time: 20:31
 Analysis Batch No.: 40801

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	15.0
75	30.0 - 60.0 % of mass 95	44.0
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	80.0
175	5.0 - 9.0 % of mass 174	5.0 (6.3) 1
176	95.0 - 101.0 % of mass 174	77.0 (96.3) 1
177	5.0 - 9.0 % of mass 176	5.0 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-40801/2	N3568.D	11/16/2011	20:52
	LCS 480-40801/4	N3570.D	11/16/2011	21:49
	MB 480-40801/5	N3571.D	11/16/2011	22:11
DW 1R	480-12393-1	N3583.D	11/17/2011	03:05
MW 3 DR DL	480-12393-2 DL	N3584.D	11/17/2011	03:28
MW 3 DR DUP DL	480-12393-3 DL	N3585.D	11/17/2011	03:52
EB-1	480-12393-5	N3587.D	11/17/2011	04:37

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

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1
 SDG No.: _____
 Sample No.: STD 480-38908/5 Date Analyzed: 11/04/2011 14:57
 Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53 (mm)
 Lab File ID (Standard): C15100.D Heated Purge: (Y/N) N
 Calibration ID: 4664

	DFB		CBZ		DCB	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	611598	9.46	313053	11.83	291261	13.85
UPPER LIMIT	1223196	9.96	626106	12.33	582522	14.35
LOWER LIMIT	305799	8.96	156527	11.33	145631	13.35
LAB SAMPLE ID	CLIENT SAMPLE ID					
CCVIS 480-40867/2		442743	9.46	233611	11.83	245479
CCVIS 480-40985/2		449728	9.46	229253	11.83	242492

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

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

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1
 SDG No.: _____
 Sample No.: CCVIS 480-40867/2 Date Analyzed: 11/17/2011 10:06
 Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53 (mm)
 Lab File ID (Standard): C15610.D Heated Purge: (Y/N) N
 Calibration ID: 4665

		DFB		CBZ		DCB		
		AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD		442743	9.46	233611	11.83	245479	13.85	
UPPER LIMIT		885486	9.96	467222	12.33	490958	14.35	
LOWER LIMIT		221372	8.96	116806	11.33	122740	13.35	
LAB SAMPLE ID		CLIENT SAMPLE ID						
MB 480-40867/5		425448	9.46	220125	11.83	224090	13.85	
LCS 480-40867/4		456426	9.45	232567	11.83	240360	13.85	
480-12393-1 DL		DW 1R DL	522845	9.46	257875	11.83	266869	13.85

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

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

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1
SDG No.: _____
Sample No.: CCVIS 480-40985/2 Date Analyzed: 11/17/2011 22:56
Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53 (mm)
Lab File ID (Standard): C15638.D Heated Purge: (Y/N) N
Calibration ID: 4665

		DFB		CBZ		DCB		
		AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD		449728	9.46	229253	11.83	242492	13.85	
UPPER LIMIT		899456	9.96	458506	12.33	484984	14.35	
LOWER LIMIT		224864	8.96	114627	11.33	121246	13.35	
LAB SAMPLE ID		CLIENT SAMPLE ID						
LCS 480-40985/4		462426	9.46	231263	11.83	242476	13.85	
MB 480-40985/5		447082	9.46	224891	11.83	231533	13.85	
480-12393-4 DL		MW 8 DR DL	460845	9.46	228298	11.83	237451	13.85

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

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

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1
SDG No.: _____
Sample No.: STD 480-36062/8 Date Analyzed: 10/19/2011 10:39
Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25 (mm)
Lab File ID (Standard): N2244.D Heated Purge: (Y/N) N
Calibration ID: 4250

	DFB		CBZ		DCB		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	896699	4.62	783034	7.41	422885	9.88	
UPPER LIMIT	1793398	5.12	1566068	7.91	845770	10.38	
LOWER LIMIT	448350	4.12	391517	6.91	211443	9.38	
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-40606/2		723869	4.62	620418	7.41	336636	9.88
CCVIS 480-40801/2		687736	4.59	583553	7.38	313414	9.85

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

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

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1
 SDG No.: _____
 Sample No.: CCVIS 480-40606/2 Date Analyzed: 11/16/2011 08:39
 Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): N3537.D Heated Purge: (Y/N) N
 Calibration ID: 4251

		DFB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		723869	4.62	620418	7.41	336636	9.88
UPPER LIMIT		1447738	5.12	1240836	7.91	673272	10.38
LOWER LIMIT		361935	4.12	310209	6.91	168318	9.38
LAB SAMPLE ID		CLIENT SAMPLE ID					
LCS 480-40606/4		706275	4.62	602789	7.41	322513	9.88
MB 480-40606/5		673364	4.62	580177	7.41	295322	9.88
480-12393-2	MW 3 DR	695640	4.62	586871	7.41	319067	9.88
480-12393-3	MW 3 DR DUP	701786	4.62	594453	7.41	314976	9.88
480-12393-4	MW 8 DR	628040	4.63	560871	7.42	263595	9.88

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

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

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1
 SDG No.: _____
 Sample No.: CCVIS 480-40801/2 Date Analyzed: 11/16/2011 20:52
 Instrument ID: HP5973N GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): N3568.D Heated Purge: (Y/N) N
 Calibration ID: 4251

		DFB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		687736	4.59	583553	7.38	313414	9.85
UPPER LIMIT		1375472	5.09	1167106	7.88	626828	10.35
LOWER LIMIT		343868	4.09	291777	6.88	156707	9.35
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-40801/4		673086	4.59	569551	7.38	302245	9.85
MB 480-40801/5		650042	4.59	556657	7.38	282679	9.85
480-12393-1	DW 1R	656683	4.59	558361	7.38	299051	9.85
480-12393-2 DL	MW 3 DR DL	640381	4.59	551383	7.38	298089	9.85
480-12393-3 DL	MW 3 DR DUP DL	645232	4.59	551225	7.38	295014	9.85
480-12393-5	EB-1	632655	4.59	542441	7.38	274716	9.85

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

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

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1
 SDG No.: _____
 Client Sample ID: DW 1R Lab Sample ID: 480-12393-1
 Matrix: Water Lab File ID: N3583.D
 Analysis Method: 8260B Date Collected: 11/03/2011 18:03
 Sample wt/vol: 5(mL) Date Analyzed: 11/17/2011 03:05
 Soil Aliquot Vol: _____ Dilution Factor: 125
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 40801 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	27000	E	130	51
108-88-3	Toluene	7900		130	64
100-41-4	Ethylbenzene	2400		130	93
179601-23-1	m-Xylene & p-Xylene	1900		250	83
95-47-6	o-Xylene	910		130	95
1330-20-7	Xylenes, Total	2800		250	83

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	81		66-137
2037-26-5	Toluene-d8 (Surr)	106		71-126
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7595.b\N3583.D
 Lims ID: 480-12393-E-1 Client ID: DW 1R
 Inject. Date: 17-Nov-2011 03:05:30 Dil. Factor: 125.0000
 Sample Type: Client
 Sample ID: 480-12393-E-1
 Misc. Info.: 480-0007595-018
 Operator: CDC Instrument ID: HP5973N
 Vol. Injected: 1.0000 ALS Bottle#: 12
 Lims Batch ID: 40801 Lims Sample ID: 18
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20111116-7595.b\N-8260.m
 Last Update: 16-Nov-2011 23:33:21 Calib Date: 19-Oct-2011 15:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20111019-6796.b\N2257.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: HillL

Date: 17-Nov-2011 12:10:16

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.591	4.585	0.006	89	656683	25.0	
* 2 Chlorobenzene-d5	117	7.384	7.384	0.0	83	558361	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.848	9.847	0.001	93	299051	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.196	4.196	0.0	0	172874	20.2	
\$ 6 Toluene-d8 (Surr)	98	5.936	5.936	0.0	82	748956	26.6	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.631	8.631	0.0	92	226151	25.4	
55 Benzene	78	4.202	4.202	0.0	96	6502994	212.8	E
73 Toluene	92	6.003	6.003	0.0	92	1227099	63.0	
88 Ethylbenzene	91	7.518	7.517	0.001	97	702808	19.4	
90 m-Xylene & p-Xylene	106	7.639	7.639	0.0	100	215099	14.8	
91 o-Xylene	106	8.053	8.053	0.0	95	101281	7.28	
S 125 Total BTEX	1				0		317.3	
S 126 Xylenes, Total	1				0		22.1	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Report Date: 17-Nov-2011 12:10:16

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7595.b\N3583.D

Injection Date: 17-Nov-2011 03:05:30

Limit Group: MV - 8260B ICAL

Client ID: DW 1R

Instrument ID: HP5973N

Lims Batch ID: 40801

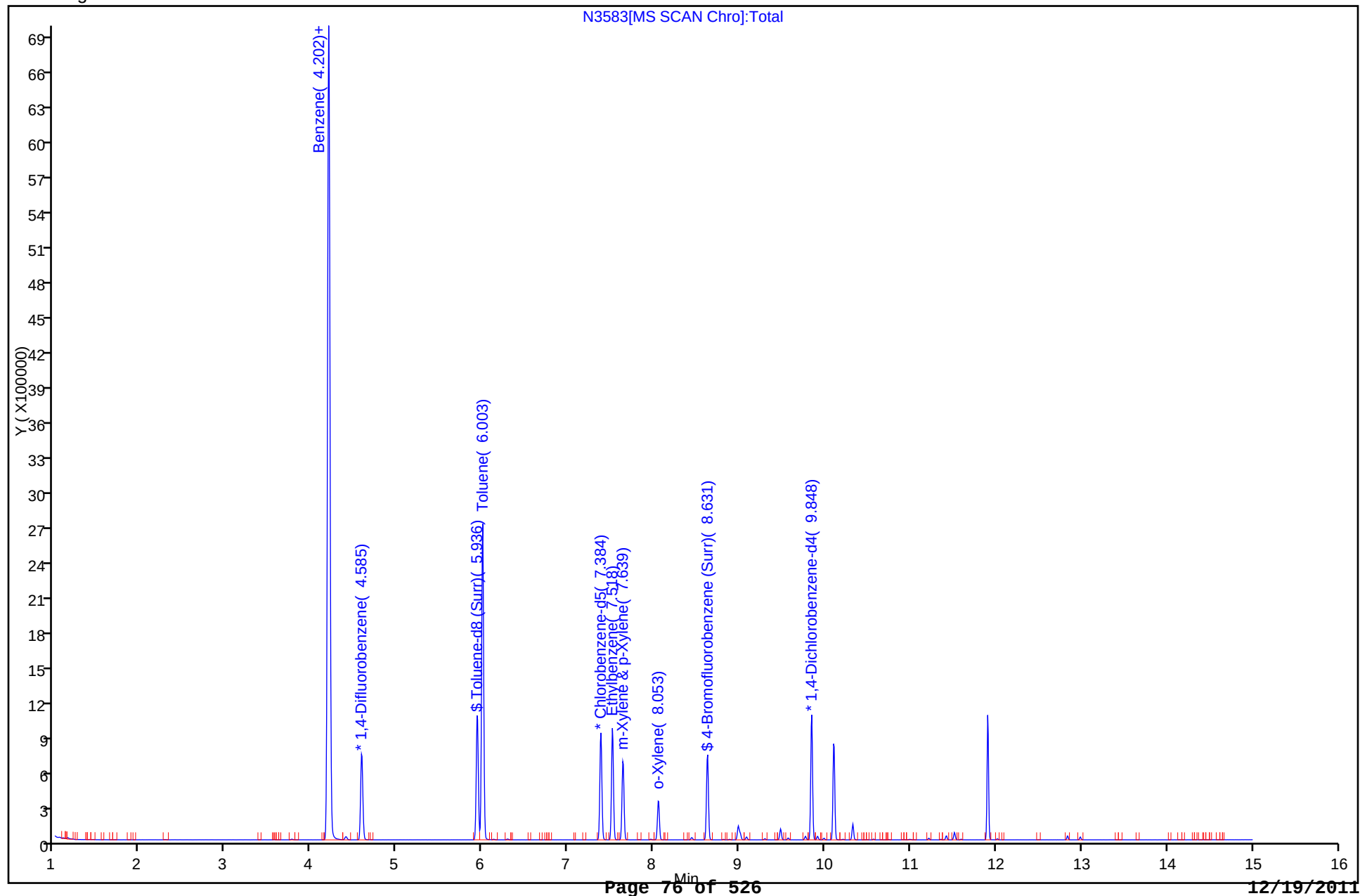
Lims Sample ID: 18

Operator ID: CDC

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 17-Nov-2011 12:10:16

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7595.b\N3583.D

Injection Date: 17-Nov-2011 03:05:30

Limit Group: MV - 8260B ICAL

Client ID: DW 1R

Instrument ID: HP5973N

Lims Batch ID: 40801

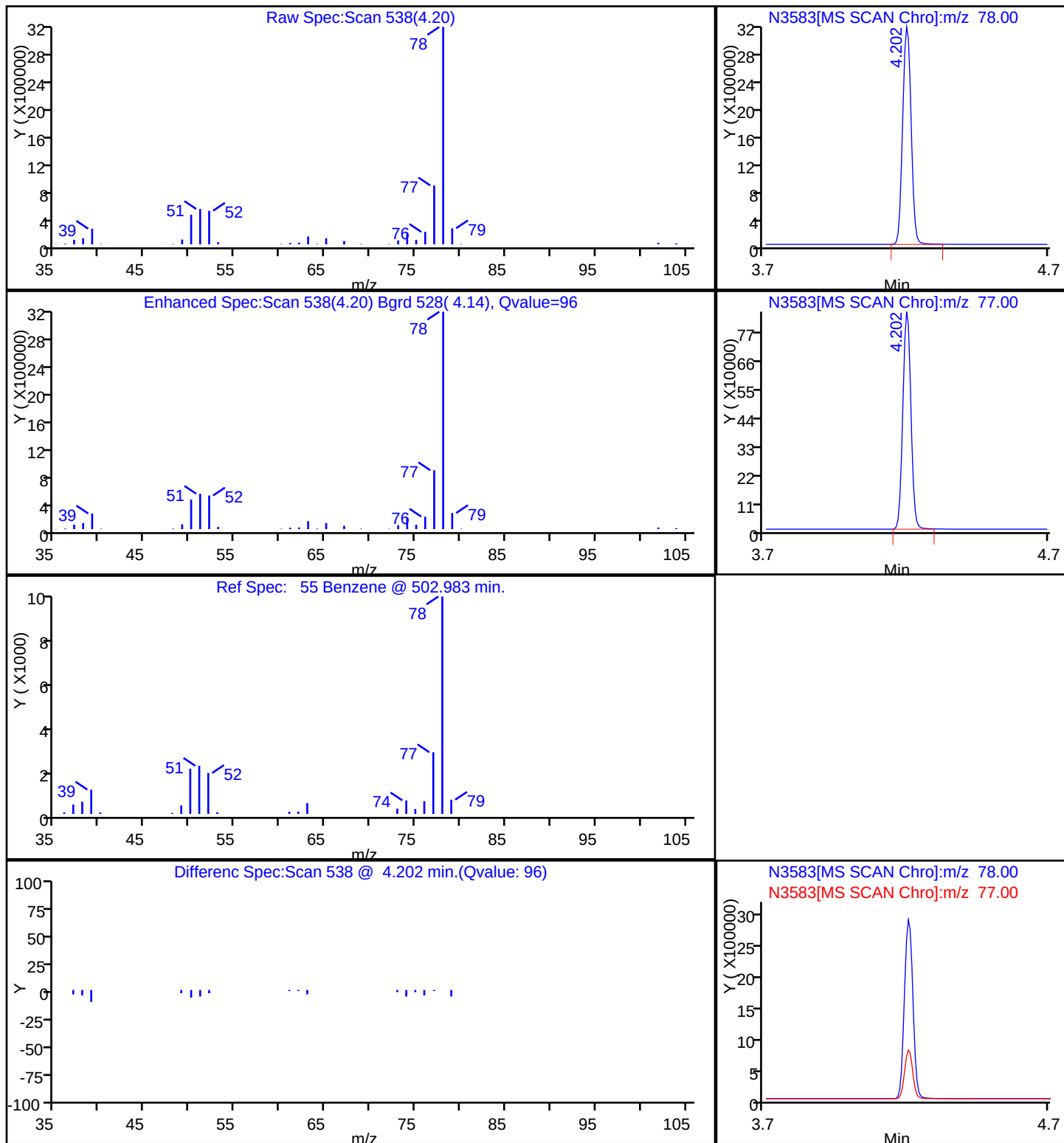
Lims Sample ID: 18

Operator ID: CDC

Column Type: ZB-624

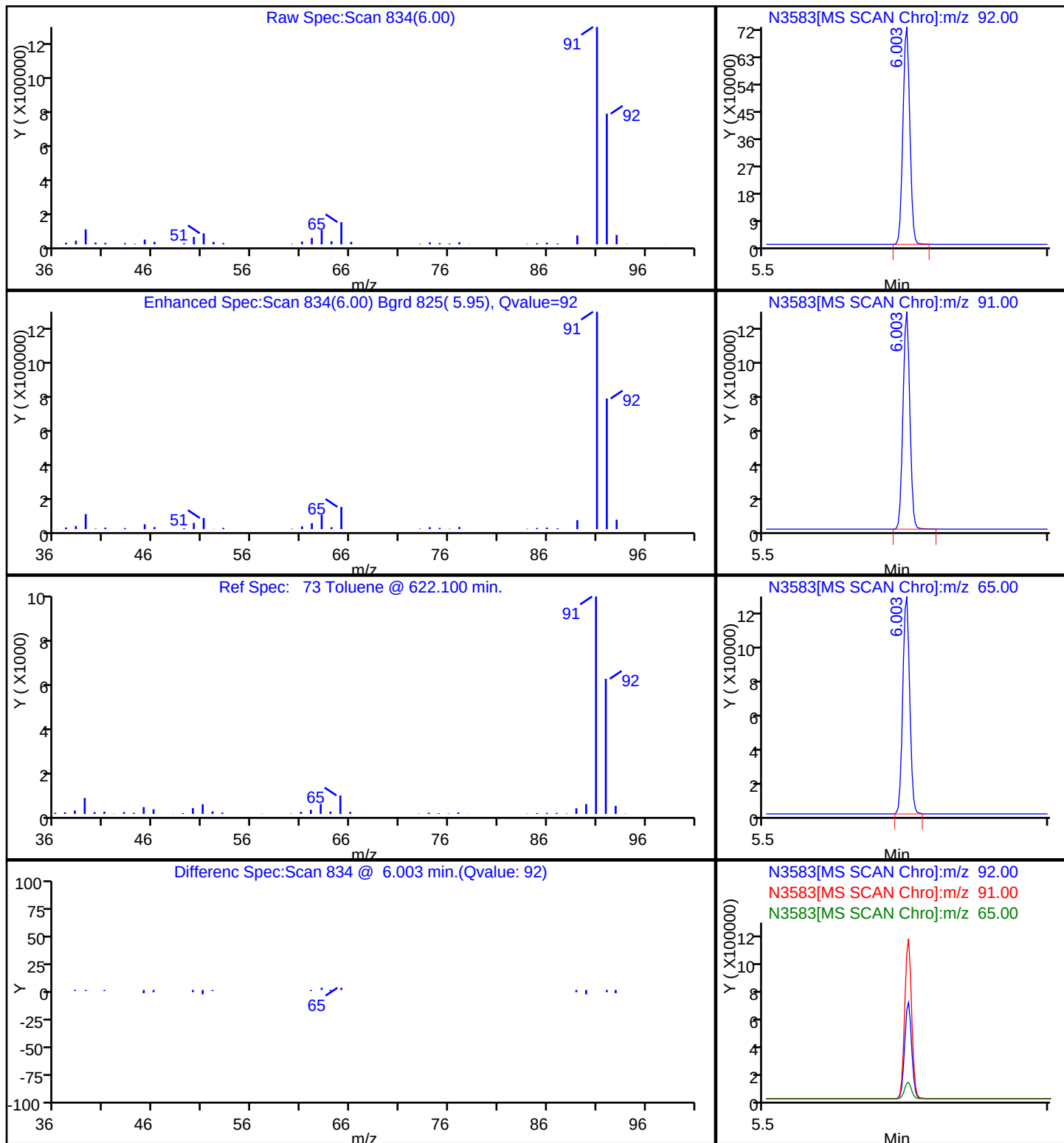
Column Dia: 0.25 mm

55 Benzene



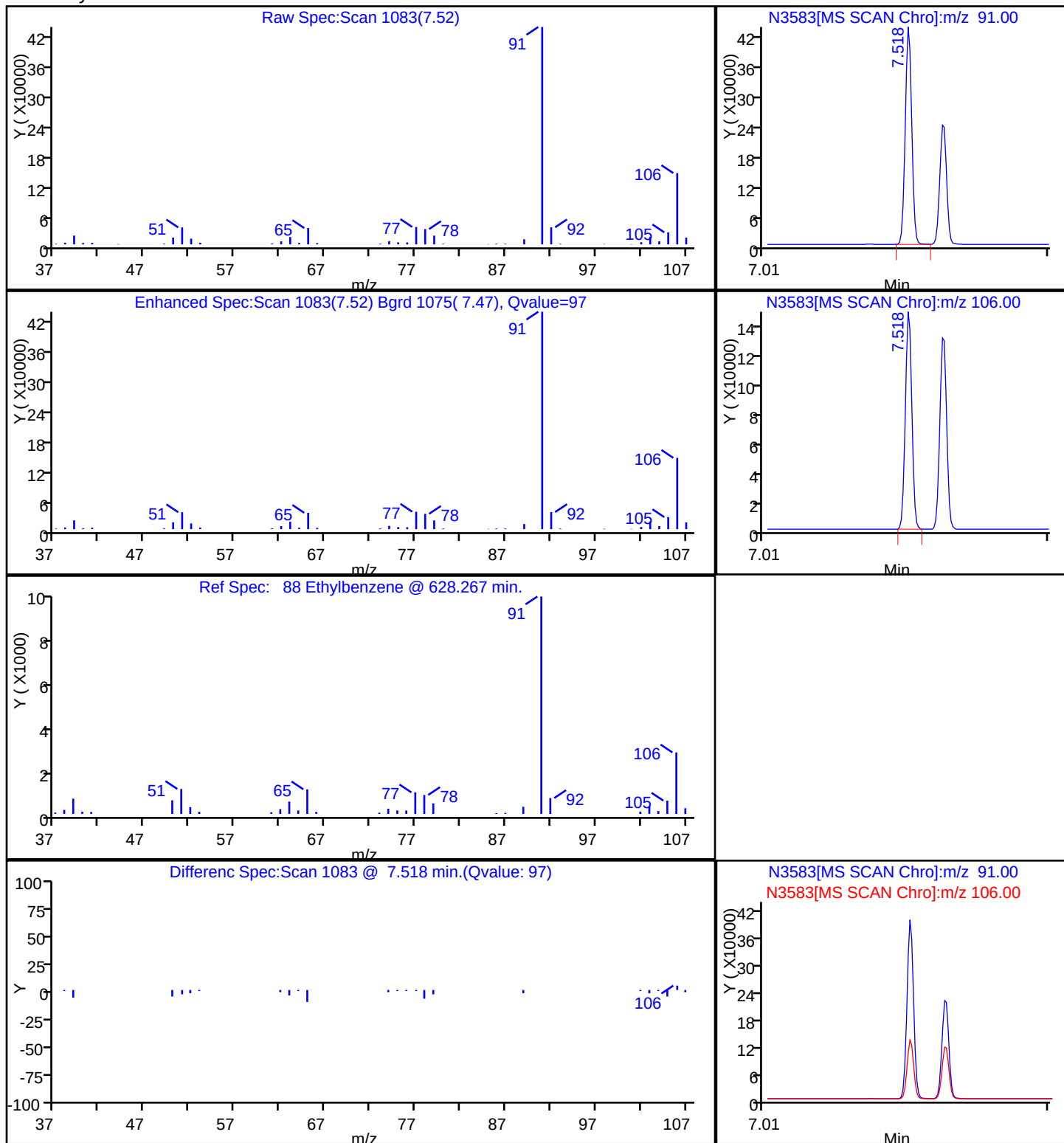
Report Date: 17-Nov-2011 12:10:16
Data File: \\Bufchrom\ChromData\HP5973N\20111116-7595.b\N3583.D
Injection Date: 17-Nov-2011 03:05:30
Client ID: DW 1R
Lims Batch ID: 40801
Operator ID: CDC
Column Type: ZB-624
73 Toluene

Chrom Revision: 2.0 01-Sep-2011 14:10:00
Limit Group: MV - 8260B ICAL
Instrument ID: HP5973N
Lims Sample ID: 18
Column Dia: 0.25 mm



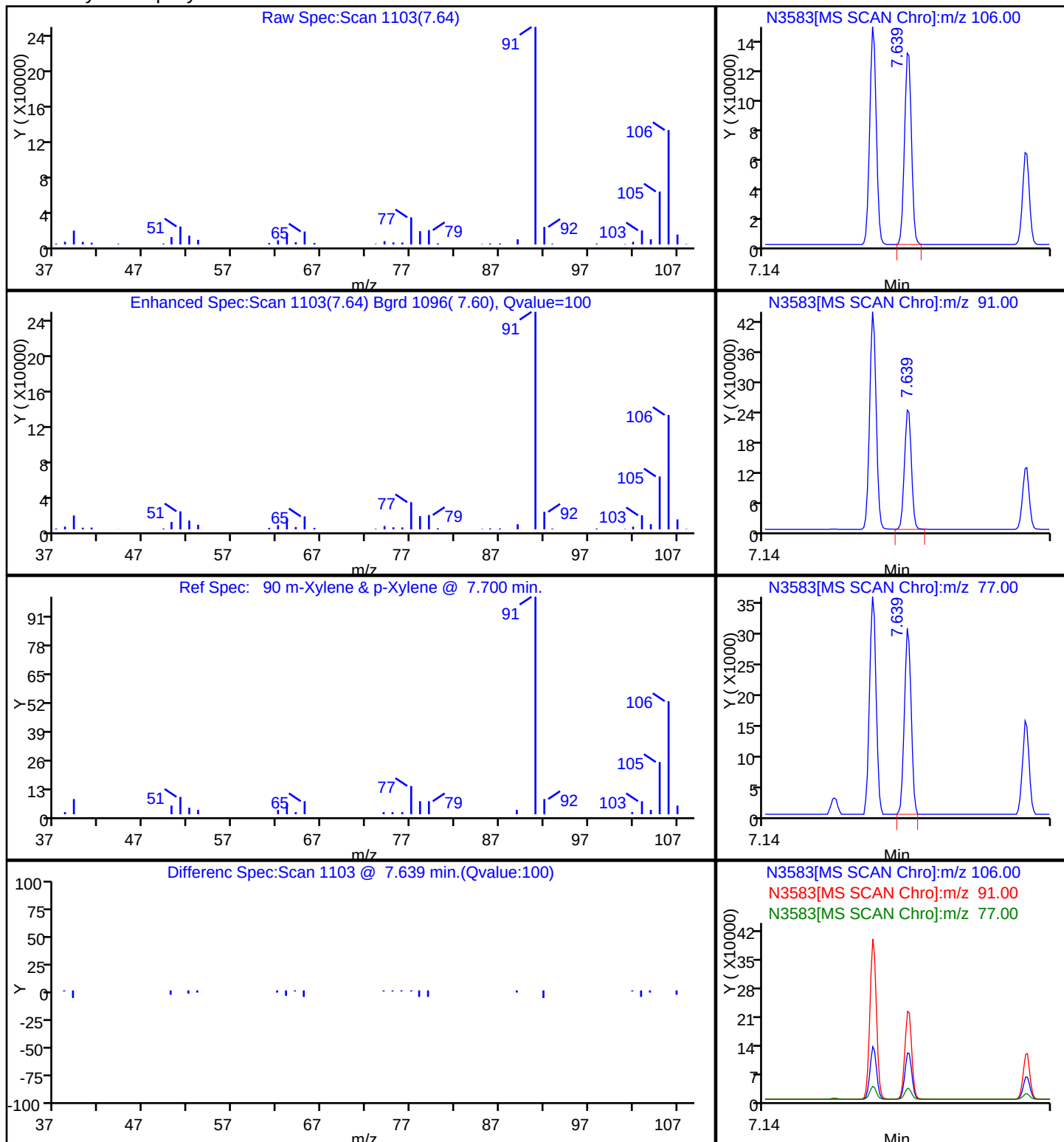
Report Date: 17-Nov-2011 12:10:16
Data File: \\Bufchrom\ChromData\HP5973N\20111116-7595.b\N3583.D
Injection Date: 17-Nov-2011 03:05:30
Client ID: DW 1R
Lims Batch ID: 40801
Operator ID: CDC
Column Type: ZB-624
88 Ethylbenzene

Chrom Revision: 2.0 01-Sep-2011 14:10:00
Limit Group: MV - 8260B ICAL
Instrument ID: HP5973N
Lims Sample ID: 18
Column Dia: 0.25 mm



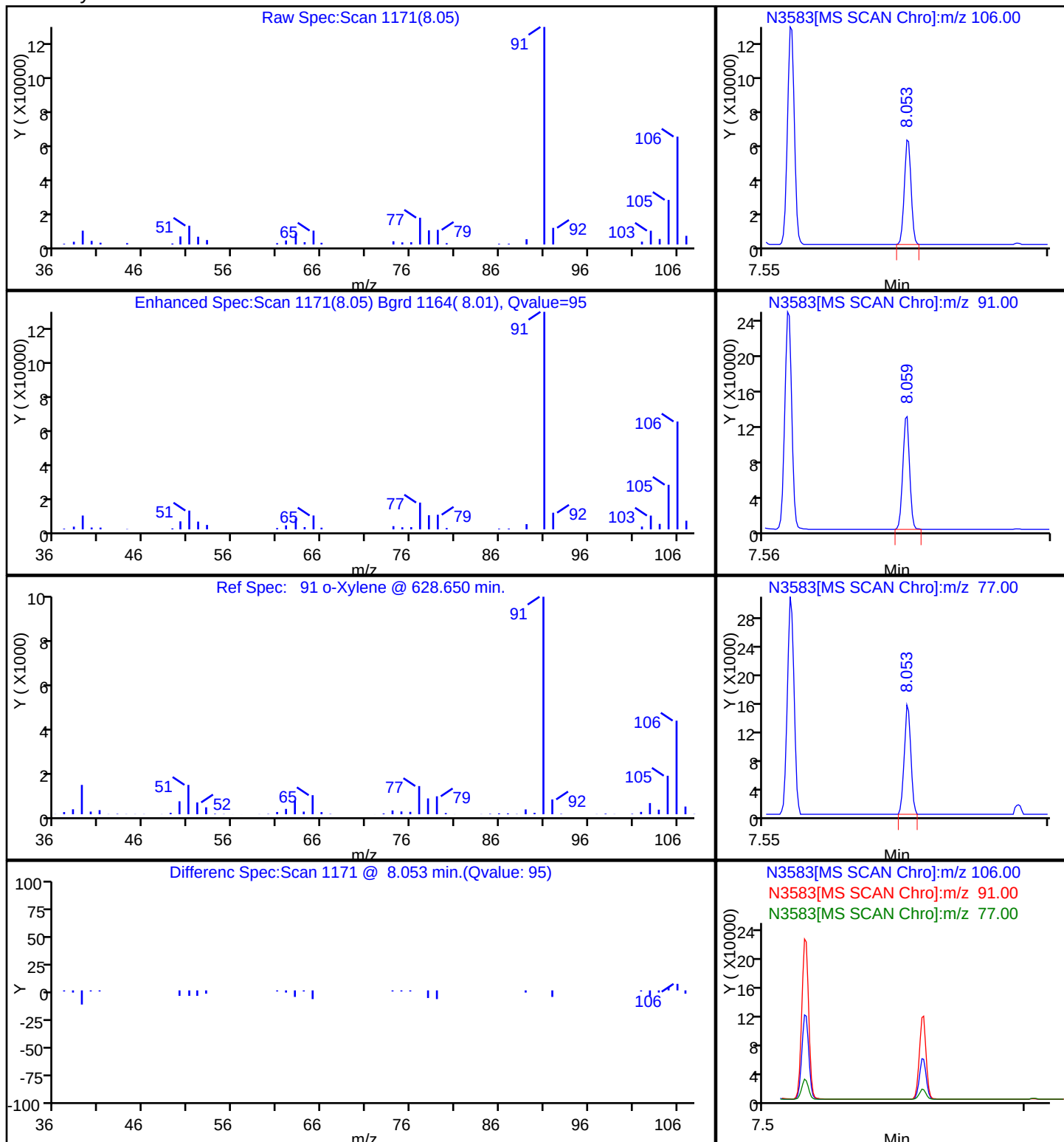
Report Date: 17-Nov-2011 12:10:16
Data File: \\Bufchrom\ChromData\HP5973N\20111116-7595.b\N3583.D
Injection Date: 17-Nov-2011 03:05:30
Client ID: DW 1R
Lims Batch ID: 40801
Operator ID: CDC
Column Type: ZB-624
90 m-Xylene & p-Xylene

Chrom Revision: 2.0 01-Sep-2011 14:10:00
Limit Group: MV - 8260B ICAL
Instrument ID: HP5973N
Lims Sample ID: 18
Column Dia: 0.25 mm



Report Date: 17-Nov-2011 12:10:16
 Data File: \\Bufchrom\ChromData\HP5973N\20111116-7595.b\N3583.D
 Injection Date: 17-Nov-2011 03:05:30
 Client ID: DW 1R
 Lims Batch ID: 40801
 Operator ID: CDC
 Column Type: ZB-624
 91 o-Xylene

Chrom Revision: 2.0 01-Sep-2011 14:10:00
 Limit Group: MV - 8260B ICAL
 Instrument ID: HP5973N
 Lims Sample ID: 18
 Column Dia: 0.25 mm



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1
 SDG No.: _____
 Client Sample ID: DW 1R DL Lab Sample ID: 480-12393-1 DL
 Matrix: Water Lab File ID: C15619.D
 Analysis Method: 8260B Date Collected: 11/03/2011 18:03
 Sample wt/vol: 5(mL) Date Analyzed: 11/17/2011 14:38
 Soil Aliquot Vol: _____ Dilution Factor: 400
 Soil Extract Vol.: _____ GC Column: ZB-624 (30) ID: 0.53(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 40867 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	30000		400	160
108-88-3	Toluene	8200		400	200
100-41-4	Ethylbenzene	2400		400	300
179601-23-1	m-Xylene & p-Xylene	1900		800	260
95-47-6	o-Xylene	930		400	300
1330-20-7	Xylenes, Total	2800		800	260

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	81		66-137
2037-26-5	Toluene-d8 (Surr)	96		71-126
460-00-4	4-Bromofluorobenzene (Surr)	103		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973C\20111117-7606.b\C15619.D
 Lims ID: 480-12393-E-1 Client ID: DW 1R
 Inject. Date: 17-Nov-2011 14:38:30 Dil. Factor: 400.0000
 Sample Type: Client
 Sample ID: 480-12393-E-1
 Misc. Info.: 480-0007606-006
 Operator: LH Instrument ID: HP5973C
 Vol. Injected: 1.0000 ALS Bottle#: 33
 Lims Batch ID: 40867 Lims Sample ID: 6
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973C\20111117-7606.b\C-8260.m
 Last Update: 17-Nov-2011 12:37:26 Calib Date: 04-Nov-2011 20:26:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973C\20111104-7267.b\C15113.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: cwiklinc

Date: 17-Nov-2011 17:51:26

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	9.455	9.455	0.0	94	522845	25.0	
* 2 Chlorobenzene-d5	82	11.826	11.826	0.0	85	257875	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.854	13.854	0.0	94	266869	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	9.194	9.194	0.0	0	86865	20.2	
\$ 5 Toluene-d8 (Surr)	98	10.652	10.652	0.0	92	546908	24.1	
\$ 6 4-Bromofluorobenzene (Surr)	174	12.775	12.775	0.0	88	182769	25.8	
57 Benzene	78	9.241	9.241	0.0	96	1944818	75.8	
74 Toluene	92	10.700	10.700	0.0	93	324476	20.5	
88 Ethylbenzene	91	11.862	11.862	0.0	97	190005	6.08	
90 m-Xylene & p-Xylene	106	11.945	11.945	0.0	98	53438	4.69	
91 o-Xylene	106	12.301	12.301	0.0	89	26462	2.33	
S 123 Total BTEX	1				0		109.4	
S 124 Xylenes, Total	1				0		7.03	

Report Date: 17-Nov-2011 17:51:27

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973C\20111117-7606.b\C15619.D

Injection Date: 17-Nov-2011 14:38:30

Limit Group: MV - 8260B ICAL

Client ID: DW 1R

Instrument ID: HP5973C

Lims Batch ID: 40867

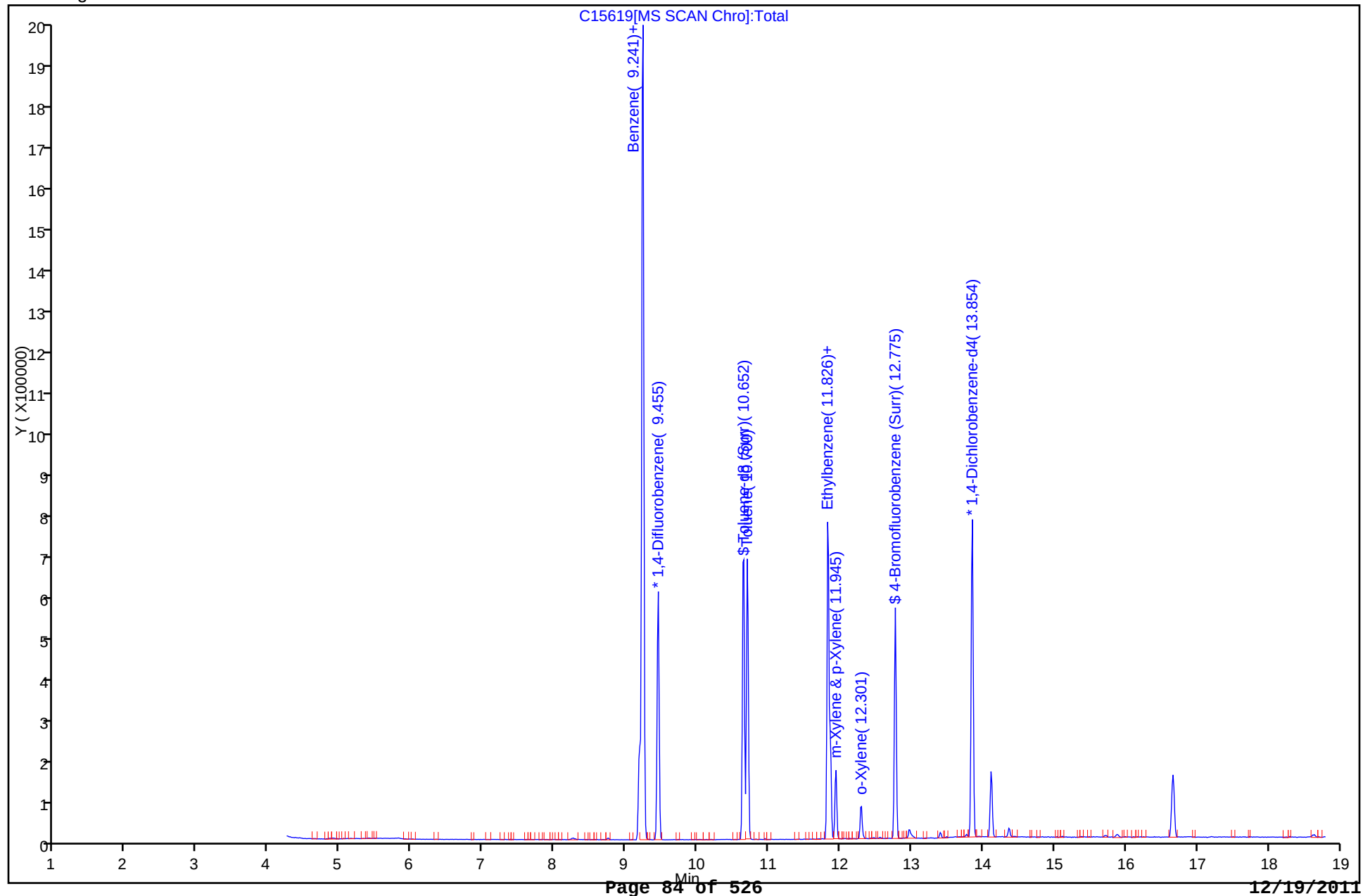
Lims Sample ID: 6

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 17-Nov-2011 17:51:27

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973C\20111117-7606.b\C15619.D

Injection Date: 17-Nov-2011 14:38:30

Limit Group: MV - 8260B ICAL

Client ID: DW 1R

Instrument ID: HP5973C

Lims Batch ID: 40867

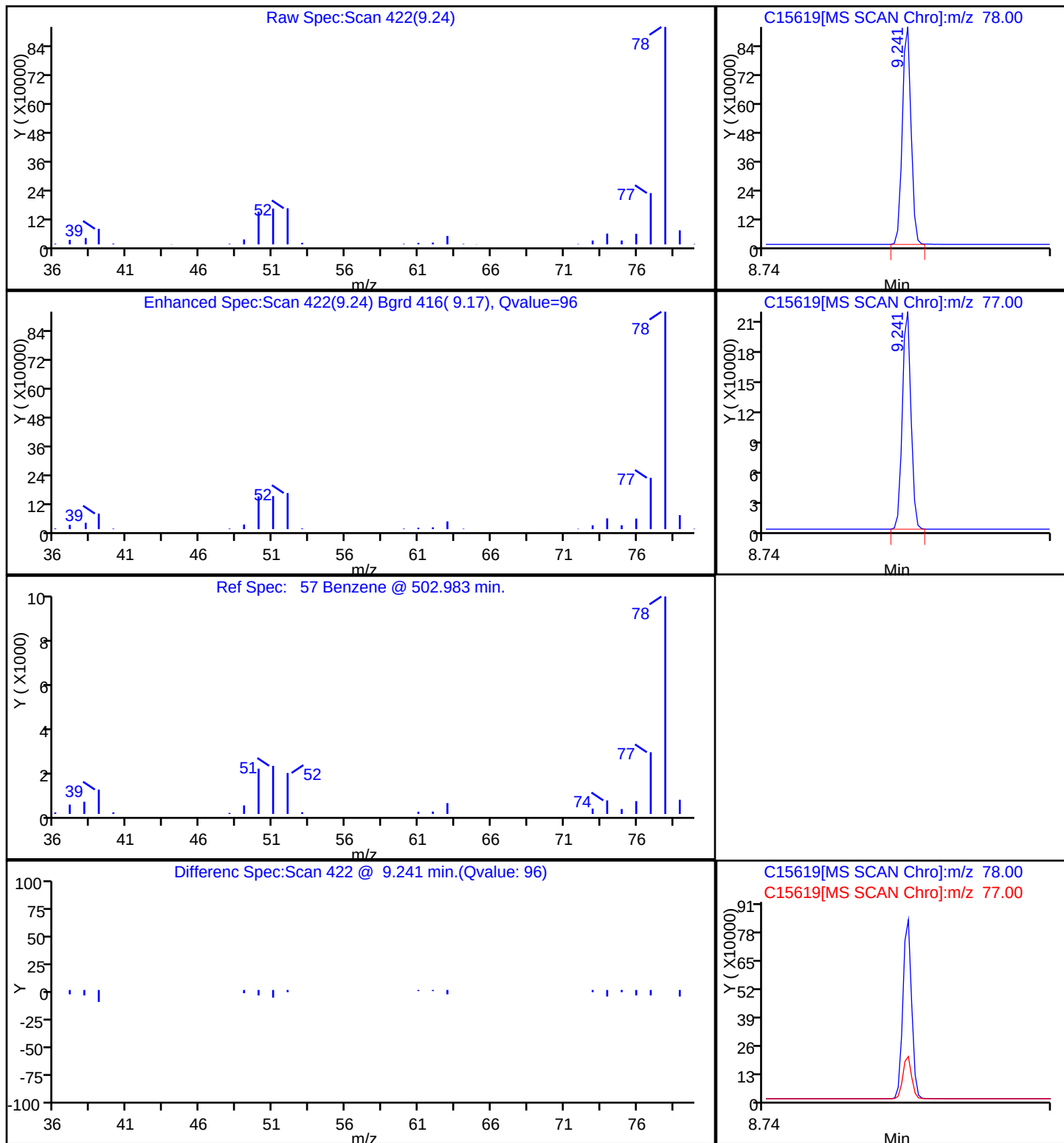
Lims Sample ID: 6

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

57 Benzene



Report Date: 17-Nov-2011 17:51:27

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973C\20111117-7606.b\C15619.D

Injection Date: 17-Nov-2011 14:38:30

Limit Group: MV - 8260B ICAL

Client ID: DW 1R

Instrument ID: HP5973C

Lims Batch ID: 40867

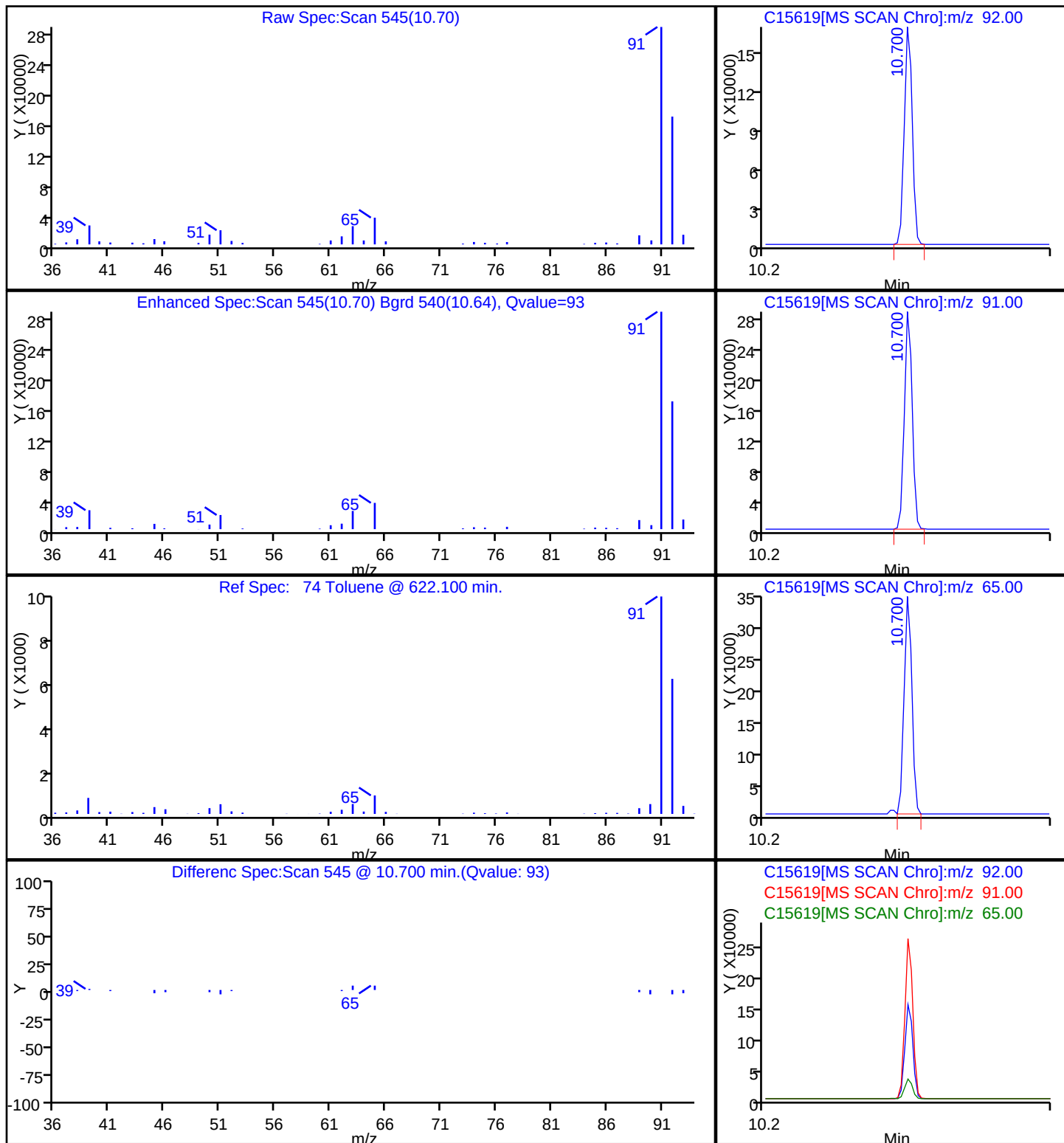
Lims Sample ID: 6

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

74 Toluene



Report Date: 17-Nov-2011 17:51:27

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973C\20111117-7606.b\C15619.D

Injection Date: 17-Nov-2011 14:38:30

Limit Group: MV - 8260B ICAL

Client ID: DW 1R

Instrument ID: HP5973C

Lims Batch ID: 40867

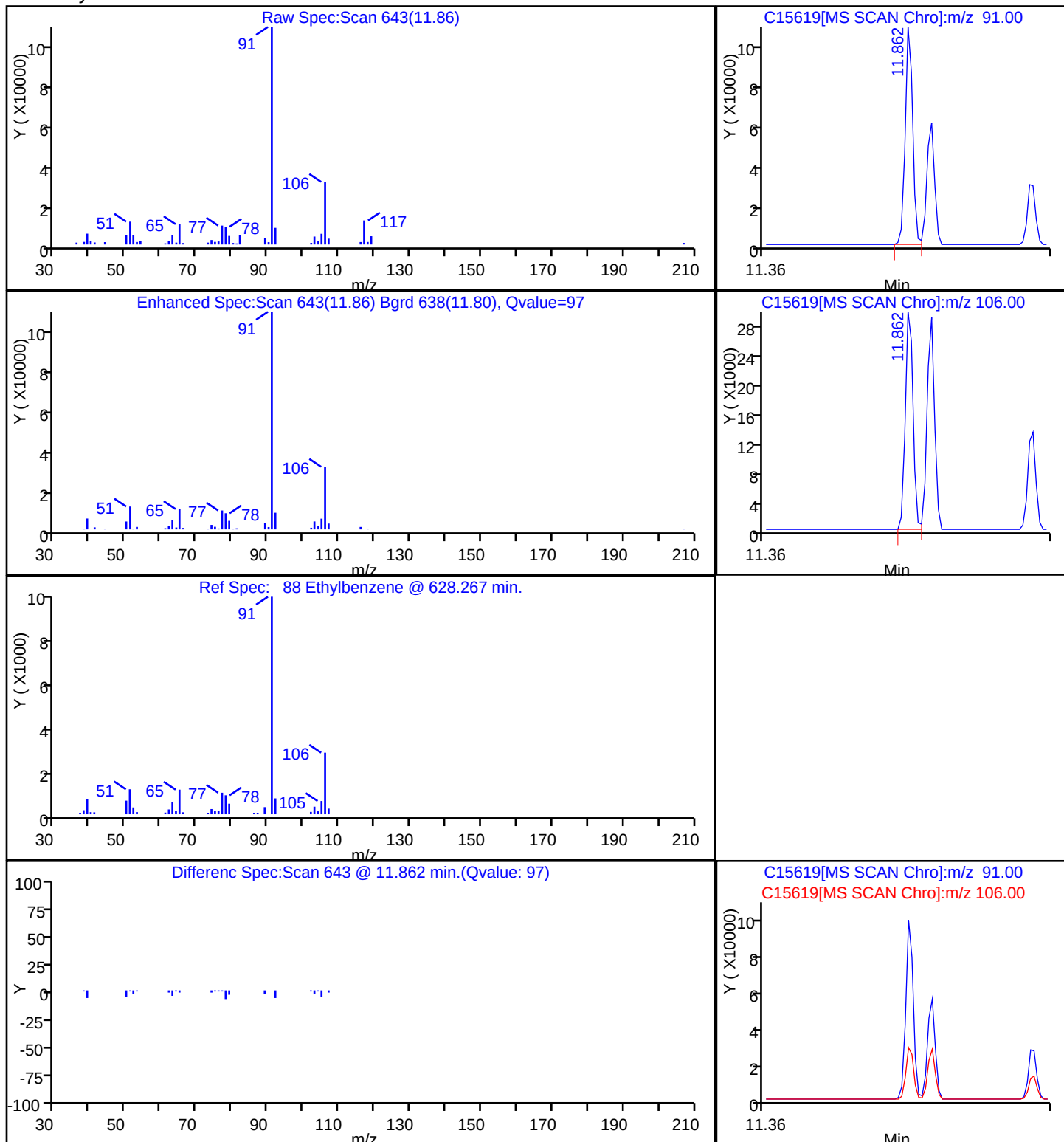
Lims Sample ID: 6

Operator ID: LH

Column Type: ZB-624

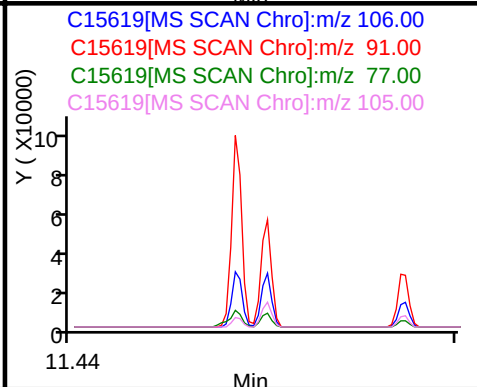
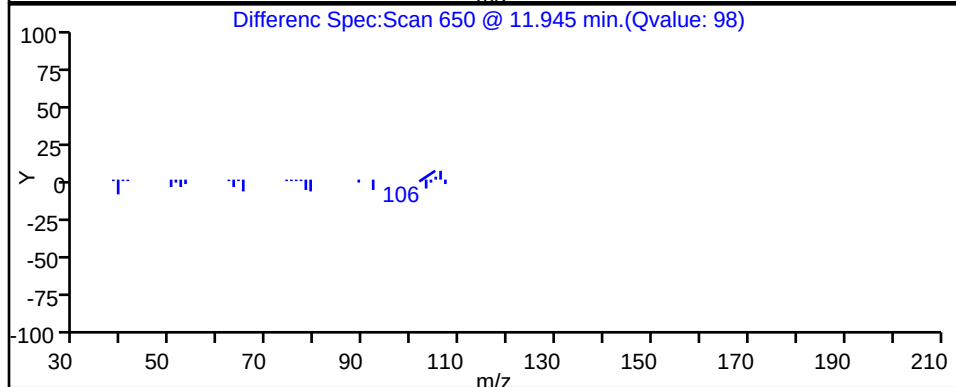
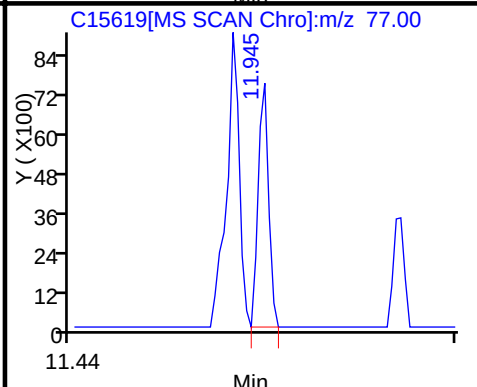
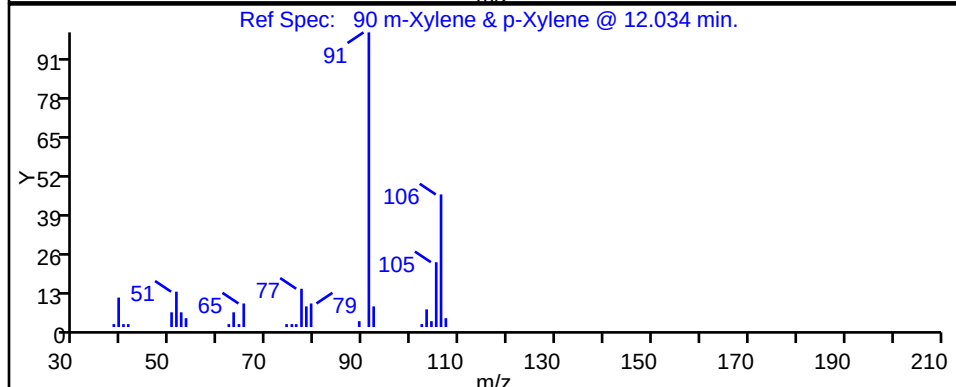
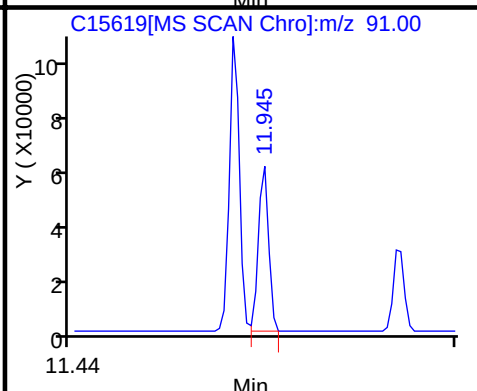
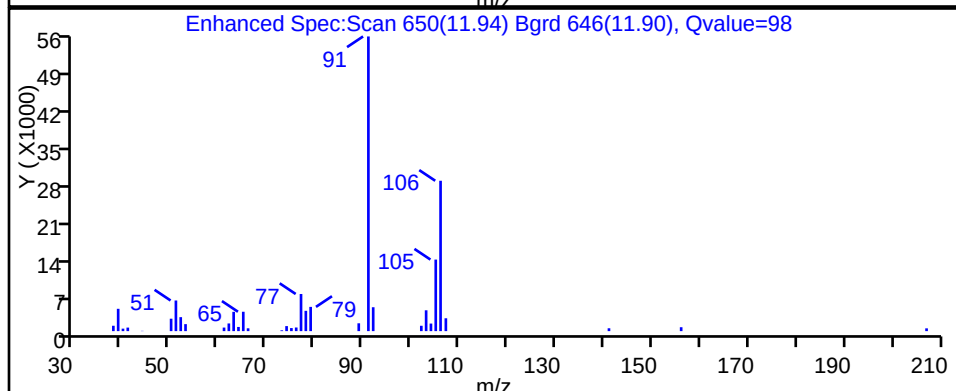
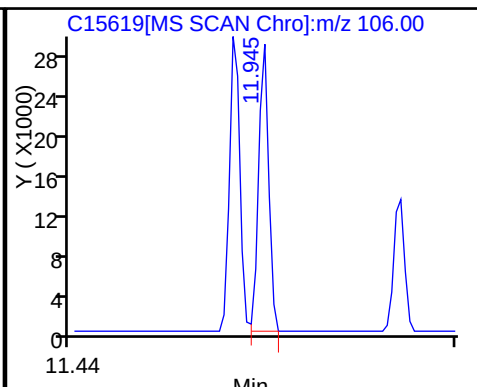
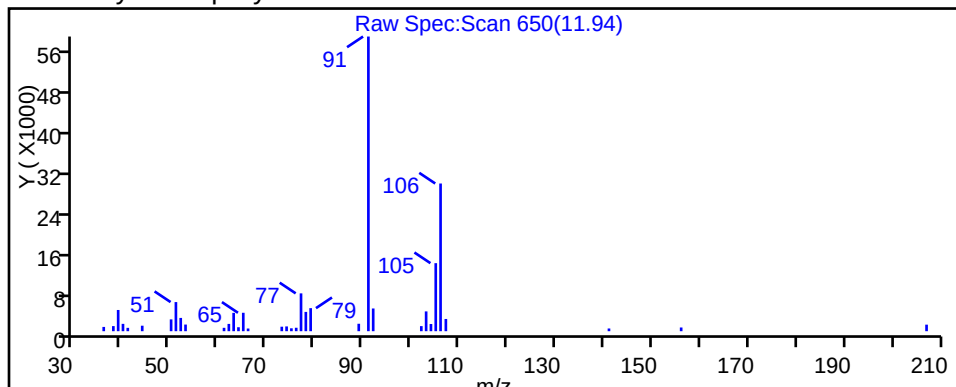
Column Dia: 0.25 mm

88 Ethylbenzene



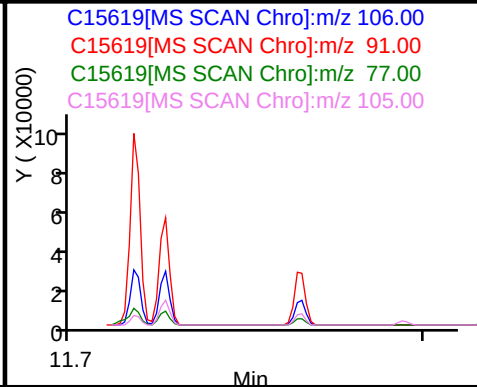
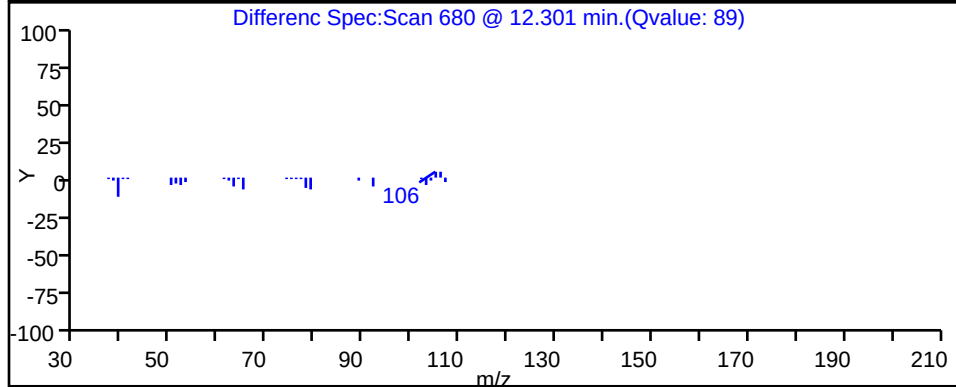
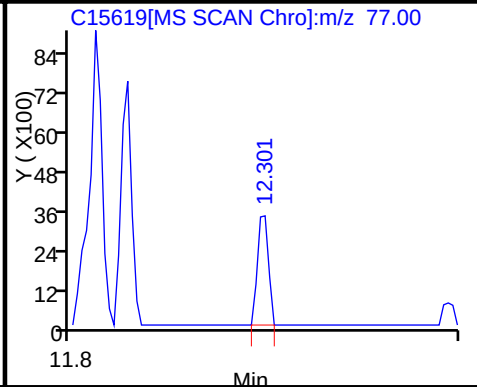
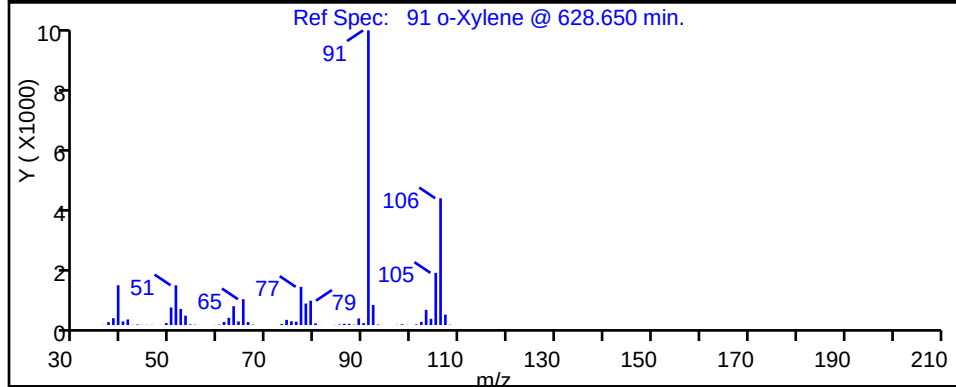
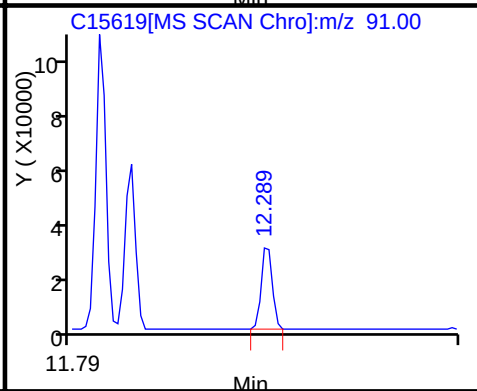
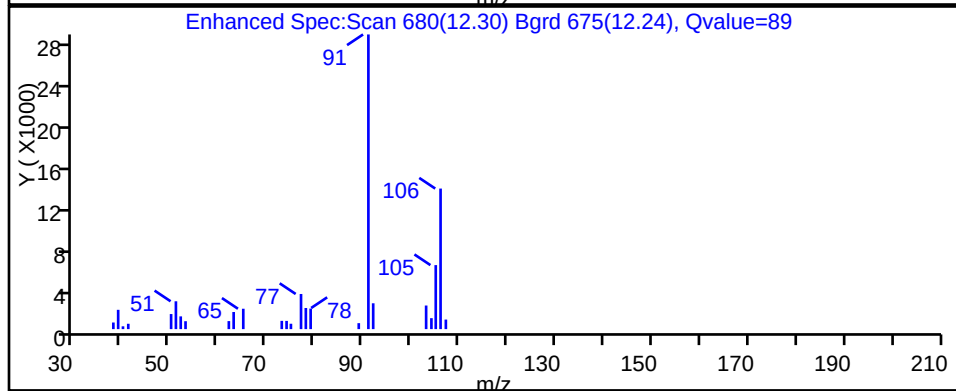
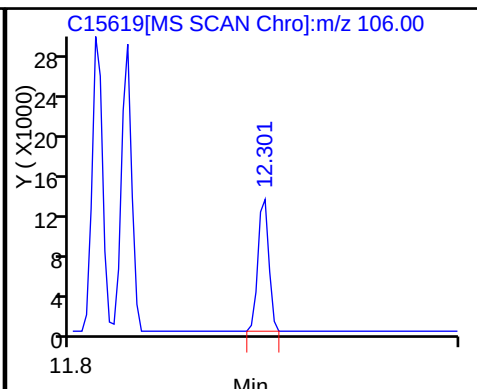
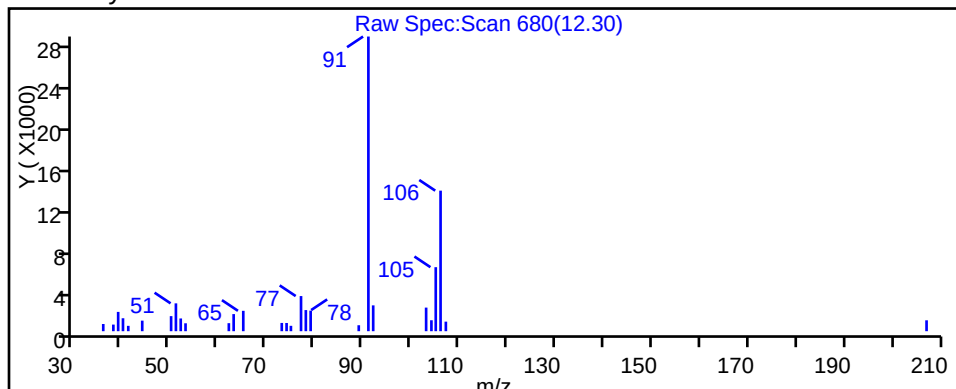
Report Date: 17-Nov-2011 17:51:27
 Data File: \\Bufchrom\ChromData\HP5973C\20111117-7606.b\C15619.D
 Injection Date: 17-Nov-2011 14:38:30
 Client ID: DW 1R
 Lims Batch ID: 40867
 Operator ID: LH
 Column Type: ZB-624
 90 m-Xylene & p-Xylene

Chrom Revision: 2.0 01-Sep-2011 14:10:00
 Limit Group: MV - 8260B ICAL
 Instrument ID: HP5973C
 Lims Sample ID: 6
 Column Dia: 0.25 mm



Report Date: 17-Nov-2011 17:51:27
 Data File: \\Bufchrom\ChromData\HP5973C\20111117-7606.b\C15619.D
 Injection Date: 17-Nov-2011 14:38:30
 Client ID: DW 1R
 Lims Batch ID: 40867
 Operator ID: LH
 Column Type: ZB-624
 91 o-Xylene

Chrom Revision: 2.0 01-Sep-2011 14:10:00
 Limit Group: MV - 8260B ICAL
 Instrument ID: HP5973C
 Lims Sample ID: 6
 Column Dia: 0.25 mm



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1
 SDG No.: _____
 Client Sample ID: MW 3 DR Lab Sample ID: 480-12393-2
 Matrix: Water Lab File ID: N3546.D
 Analysis Method: 8260B Date Collected: 11/03/2011 18:05
 Sample wt/vol: 5(mL) Date Analyzed: 11/16/2011 12:31
 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.: 40606 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	480	E	1.0	0.41
108-88-3	Toluene	110	E	1.0	0.51
100-41-4	Ethylbenzene	380	E	1.0	0.74
179601-23-1	m-Xylene & p-Xylene	150		2.0	0.66
95-47-6	o-Xylene	150	E	1.0	0.76
1330-20-7	Xylenes, Total	300	E	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	68		66-137
2037-26-5	Toluene-d8 (Surr)	104		71-126
460-00-4	4-Bromofluorobenzene (Surr)	104		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7564.b\N3546.D
 Lims ID: 480-12393-D-2 Client ID: MW 3 DR
 Inject. Date: 16-Nov-2011 12:31:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-12393-D-2
 Misc. Info.: 480-0007564-007
 Operator: LH Instrument ID: HP5973N
 Vol. Injected: 1.0000 ALS Bottle#: 33
 Lims Batch ID: 40606 Lims Sample ID: 7
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20111116-7564.b\N-8260.m
 Last Update: 16-Nov-2011 10:19:58 Calib Date: 19-Oct-2011 15:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20111019-6796.b\N2257.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: HillL

Date: 16-Nov-2011 14:04:44

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	89	695640	25.0	
* 2 Chlorobenzene-d5	117	7.414	7.414	0.0	83	586871	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.878	9.878	0.0	92	319067	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.232	4.226	0.006	0	155480	17.1	
\$ 6 Toluene-d8 (Surr)	98	5.972	5.966	0.006	82	774312	26.1	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.661	8.661	0.0	92	241842	25.9	
55 Benzene	78	4.238	4.232	0.006	92	15614041	482.4	E
73 Toluene	92	6.033	6.033	0.0	93	2157903	105.5	E
88 Ethylbenzene	91	7.560	7.548	0.012	86	14609956	383.3	E
90 m-Xylene & p-Xylene	106	7.676	7.676	0.0	98	2239204	146.6	
91 o-Xylene	106	8.089	8.083	0.006	94	2233614	152.7	E
S 125 Total BTEX	1				0		1270.5	
S 126 Xylenes, Total	1				0		299.3	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Report Date: 16-Nov-2011 14:04:44

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7564.b\N3546.D

Injection Date: 16-Nov-2011 12:31:30

Limit Group: MV - 8260B ICAL

Client ID: MW 3 DR

Instrument ID: HP5973N

Lims Batch ID: 40606

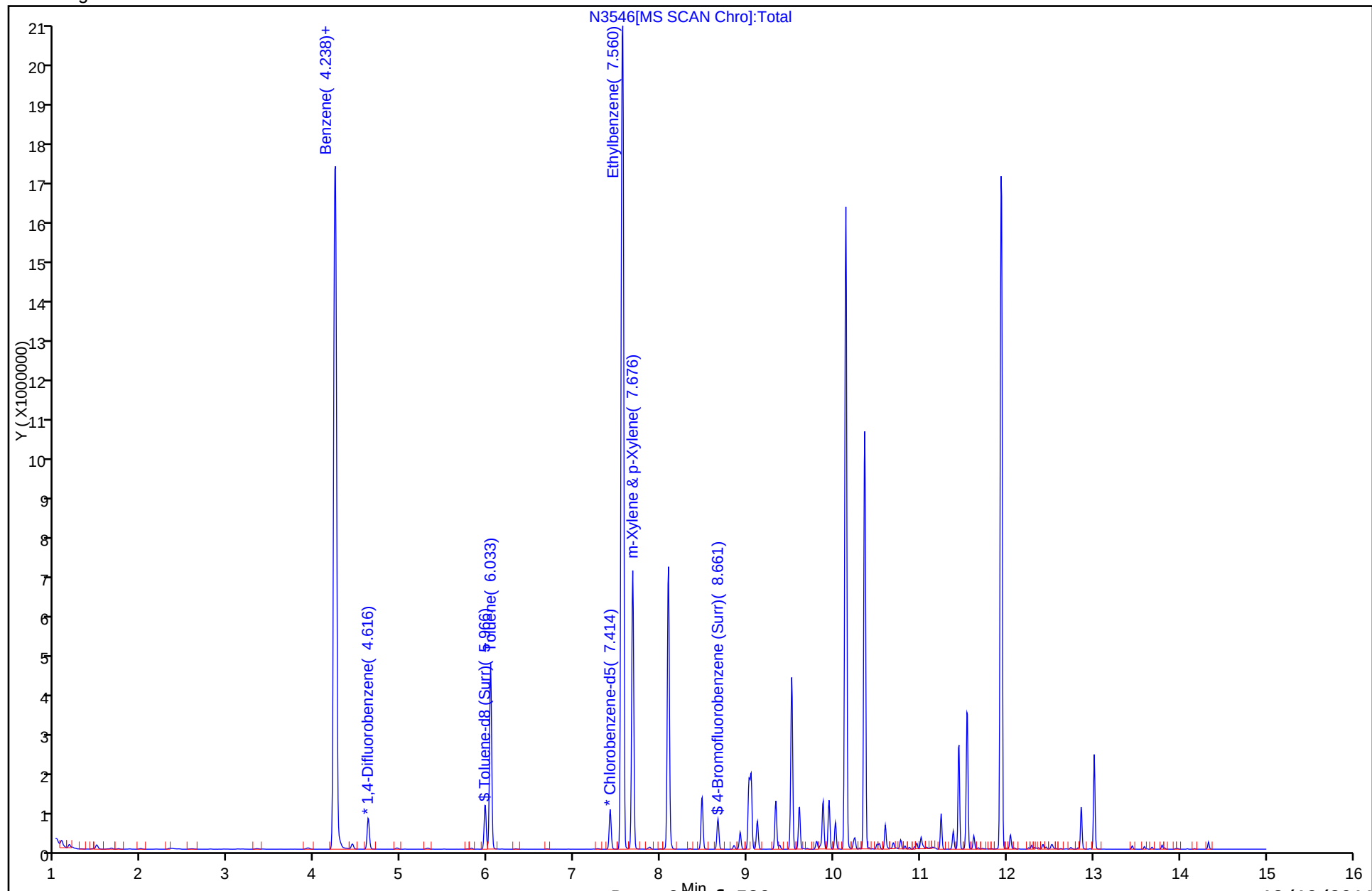
Lims Sample ID: 7

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 16-Nov-2011 14:04:44

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7564.b\N3546.D

Injection Date: 16-Nov-2011 12:31:30

Limit Group: MV - 8260B ICAL

Client ID: MW 3 DR

Instrument ID: HP5973N

Lims Batch ID: 40606

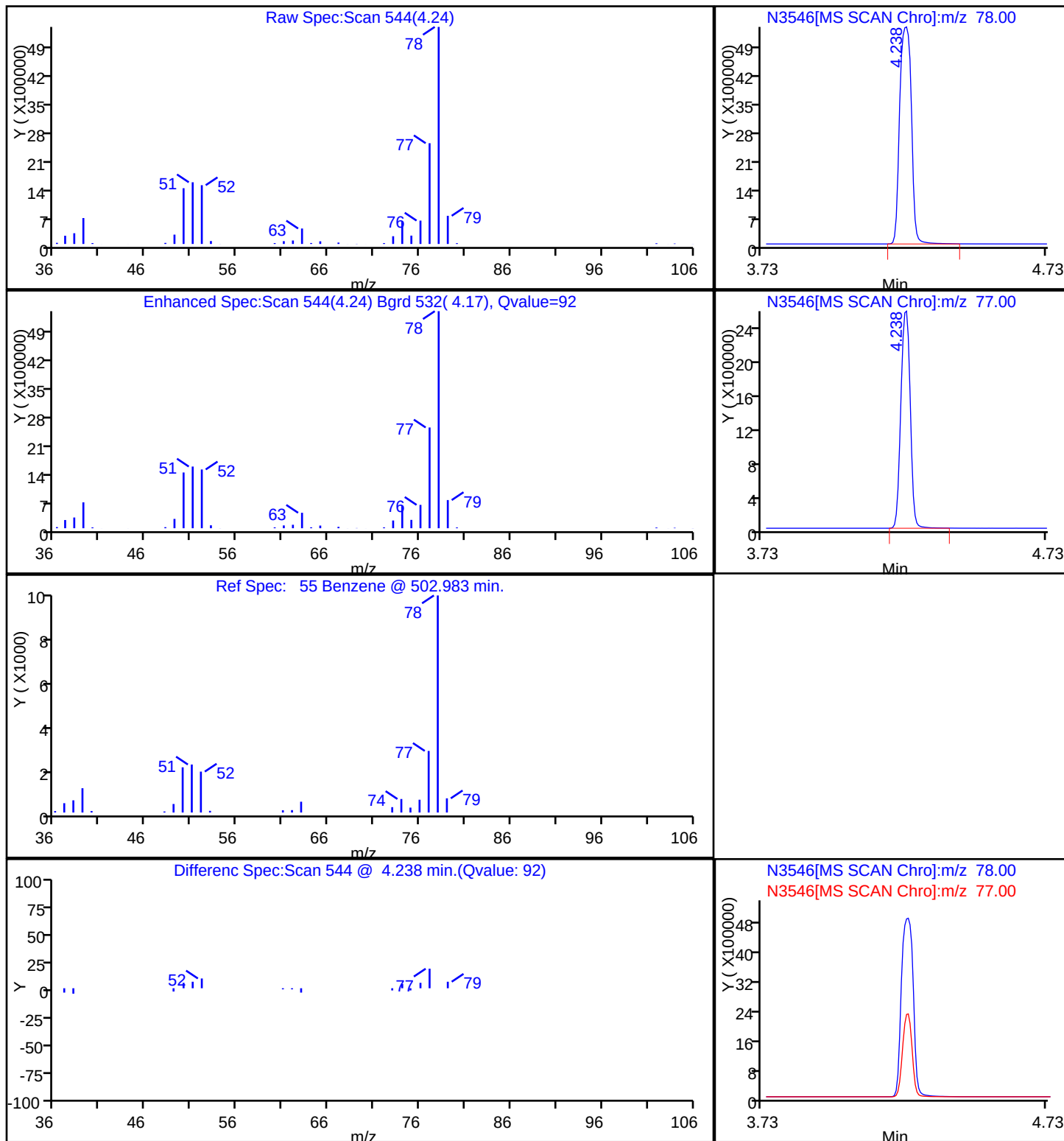
Lims Sample ID: 7

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

55 Benzene



Report Date: 16-Nov-2011 14:04:44

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7564.b\N3546.D

Injection Date: 16-Nov-2011 12:31:30

Limit Group: MV - 8260B ICAL

Client ID: MW 3 DR

Instrument ID: HP5973N

Lims Batch ID: 40606

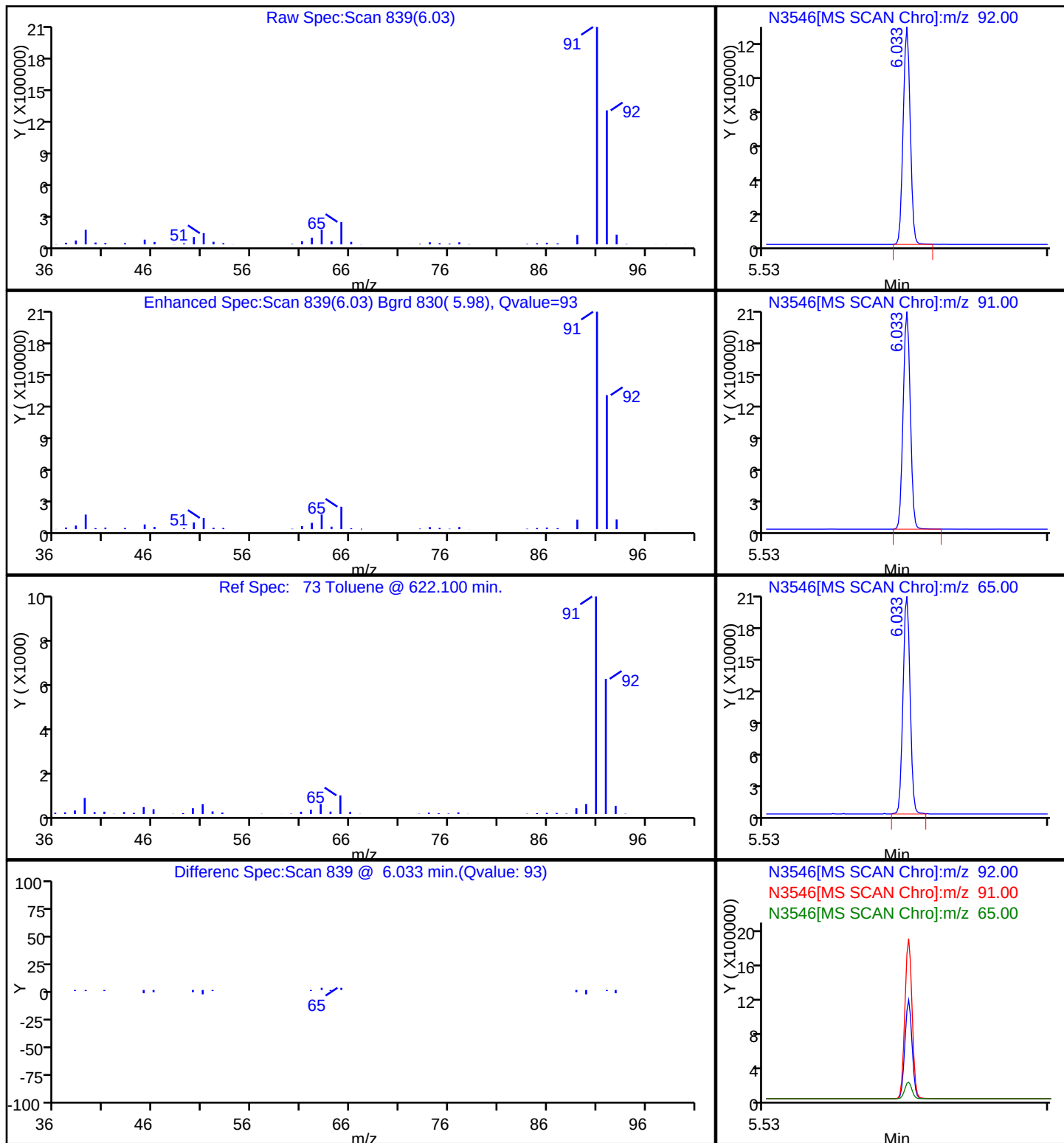
Lims Sample ID: 7

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

73 Toluene



Report Date: 16-Nov-2011 14:04:44

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7564.b\N3546.D

Injection Date: 16-Nov-2011 12:31:30

Limit Group: MV - 8260B ICAL

Client ID: MW 3 DR

Instrument ID: HP5973N

Lims Batch ID: 40606

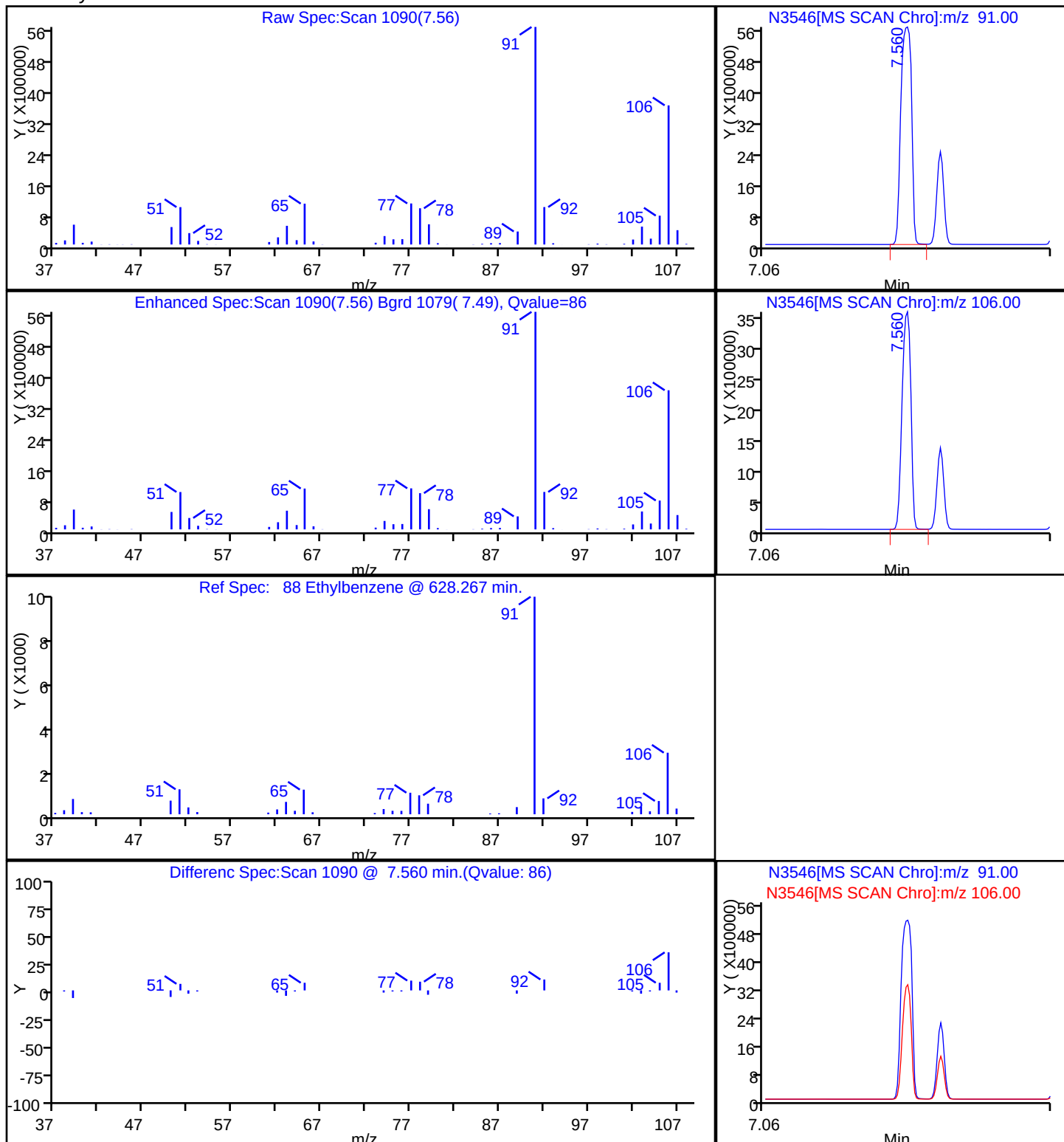
Lims Sample ID: 7

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

88 Ethylbenzene



Report Date: 16-Nov-2011 14:04:44

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7564.b\N3546.D

Injection Date: 16-Nov-2011 12:31:30

Limit Group: MV - 8260B ICAL

Client ID: MW 3 DR

Instrument ID: HP5973N

Lims Batch ID: 40606

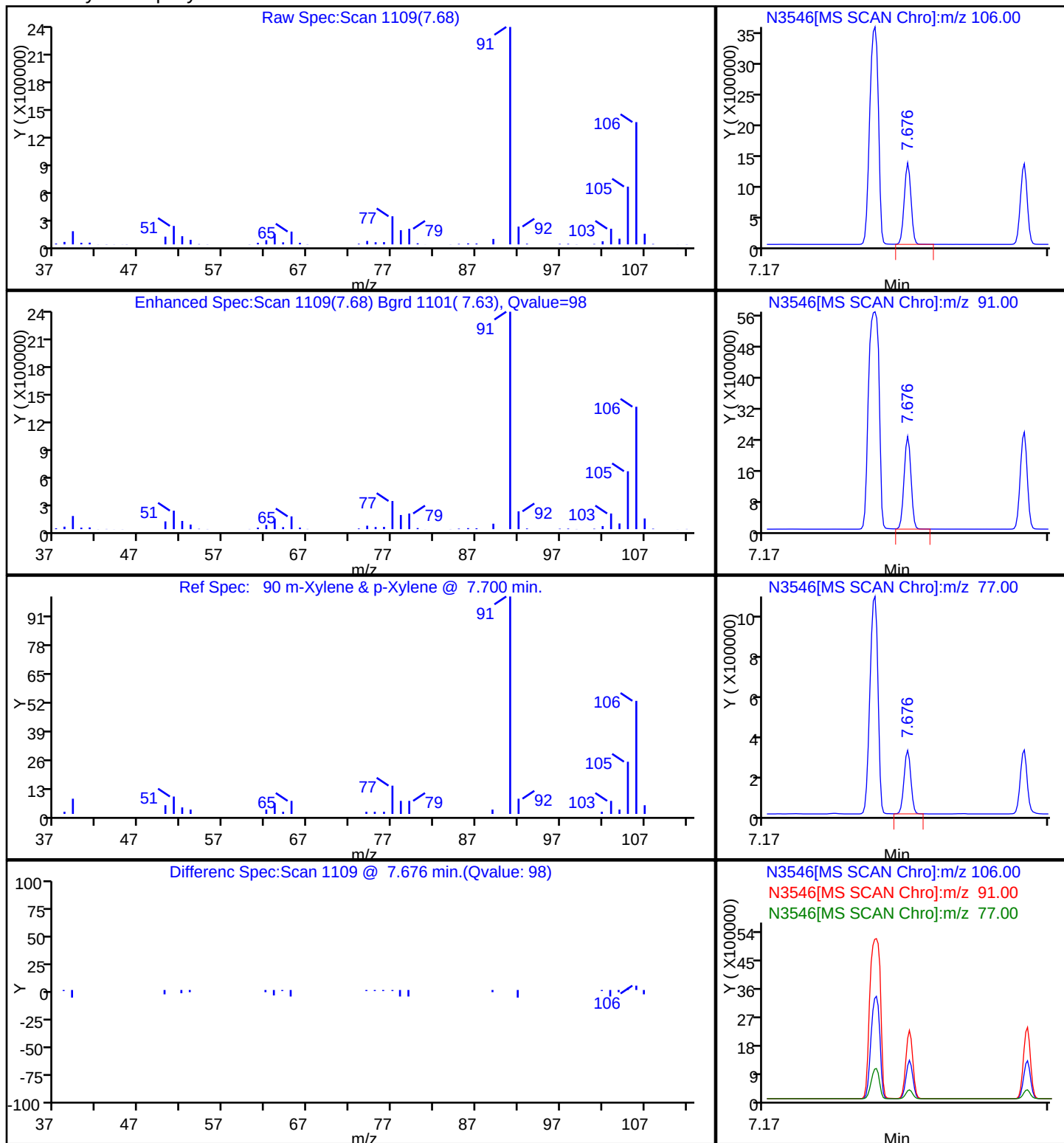
Lims Sample ID: 7

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

90 m-Xylene & p-Xylene



Report Date: 16-Nov-2011 14:04:44

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7564.b\N3546.D

Injection Date: 16-Nov-2011 12:31:30

Limit Group: MV - 8260B ICAL

Client ID: MW 3 DR

Instrument ID: HP5973N

Lims Batch ID: 40606

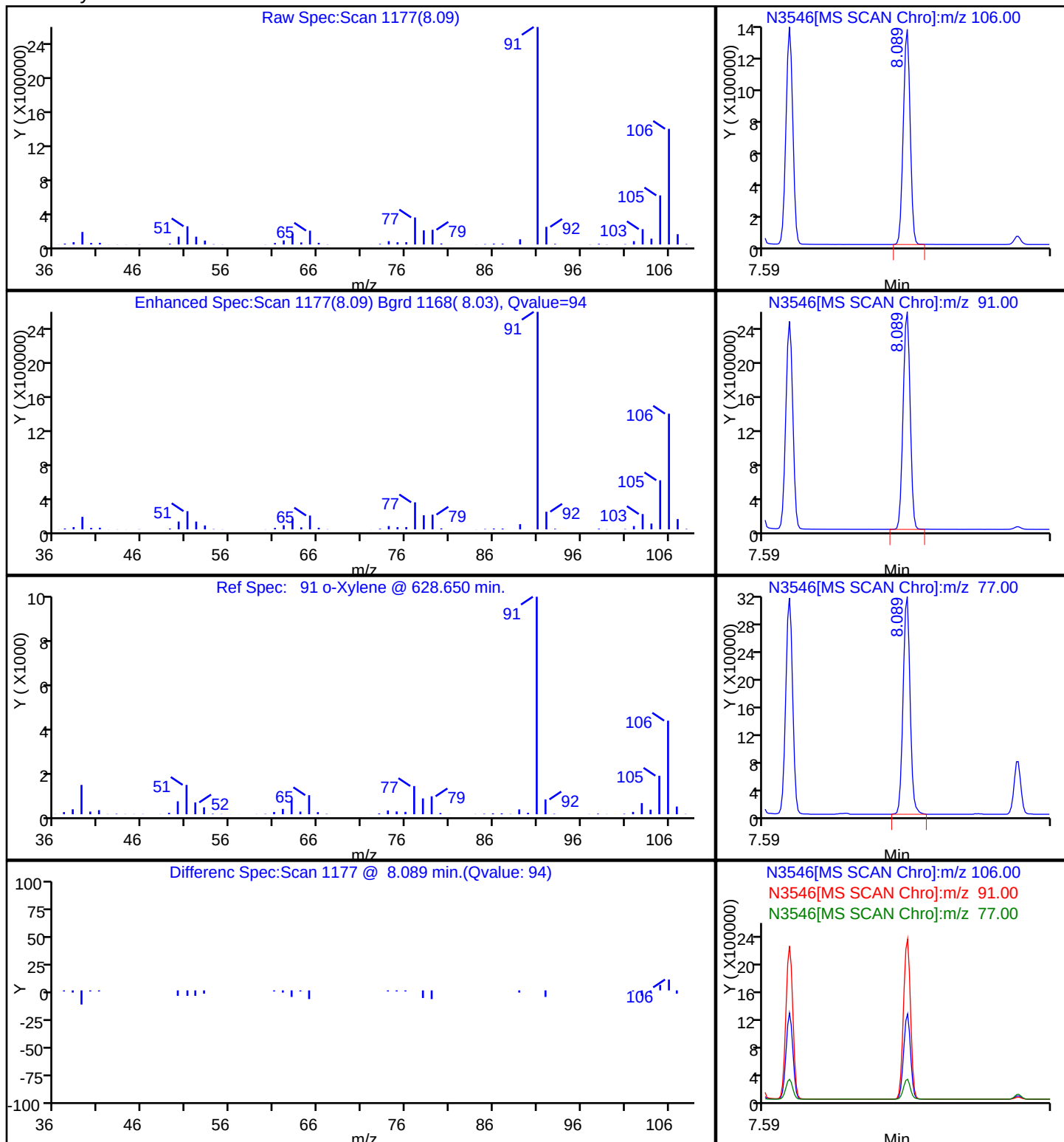
Lims Sample ID: 7

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

91 o-Xylene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1
 SDG No.: _____
 Client Sample ID: MW 3 DR DL Lab Sample ID: 480-12393-2 DL
 Matrix: Water Lab File ID: N3584.D
 Analysis Method: 8260B Date Collected: 11/03/2011 18:05
 Sample wt/vol: 5(mL) Date Analyzed: 11/17/2011 03:28
 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.: 40801 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	1100		25	10
108-88-3	Toluene	110		25	13
100-41-4	Ethylbenzene	990		25	19
179601-23-1	<i>m</i> -Xylene & <i>p</i> -Xylene	160		50	17
95-47-6	<i>o</i> -Xylene	160		25	19
1330-20-7	Xylenes, Total	320		50	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	85		66-137
2037-26-5	Toluene-d8 (Surr)	106		71-126
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7595.b\N3584.D
 Lims ID: 480-12393-E-2 Client ID: MW 3 DR
 Inject. Date: 17-Nov-2011 03:28:30 Dil. Factor: 25.0000
 Sample Type: Client
 Sample ID: 480-12393-E-2
 Misc. Info.: 480-0007595-019
 Operator: CDC Instrument ID: HP5973N
 Vol. Injected: 1.0000 ALS Bottle#: 13
 Lims Batch ID: 40801 Lims Sample ID: 19
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20111116-7595.b\N-8260.m
 Last Update: 16-Nov-2011 23:33:21 Calib Date: 19-Oct-2011 15:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20111019-6796.b\N2257.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: HillL

Date: 17-Nov-2011 12:10:23

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.585	4.585	0.0	89	640381	25.0	
* 2 Chlorobenzene-d5	117	7.384	7.384	0.0	82	551383	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.848	9.847	0.001	93	298089	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.196	4.196	0.0	0	177368	21.2	
\$ 6 Toluene-d8 (Surr)	98	5.936	5.936	0.0	82	737799	26.5	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.631	8.631	0.0	93	223905	25.5	
55 Benzene	78	4.202	4.202	0.0	95	1284254	43.1	
73 Toluene	92	6.003	6.003	0.0	87	86271	4.49	
88 Ethylbenzene	91	7.518	7.517	0.001	97	1416792	39.6	
90 m-Xylene & p-Xylene	106	7.645	7.639	0.006	100	90780	6.33	
91 o-Xylene	106	8.053	8.053	0.0	93	87856	6.39	
S 125 Total BTEX	1				0		99.9	
S 126 Xylenes, Total	1				0		12.7	

Report Date: 17-Nov-2011 12:10:23

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7595.b\N3584.D

Injection Date: 17-Nov-2011 03:28:30

Limit Group: MV - 8260B ICAL

Client ID: MW 3 DR

Instrument ID: HP5973N

Lims Batch ID: 40801

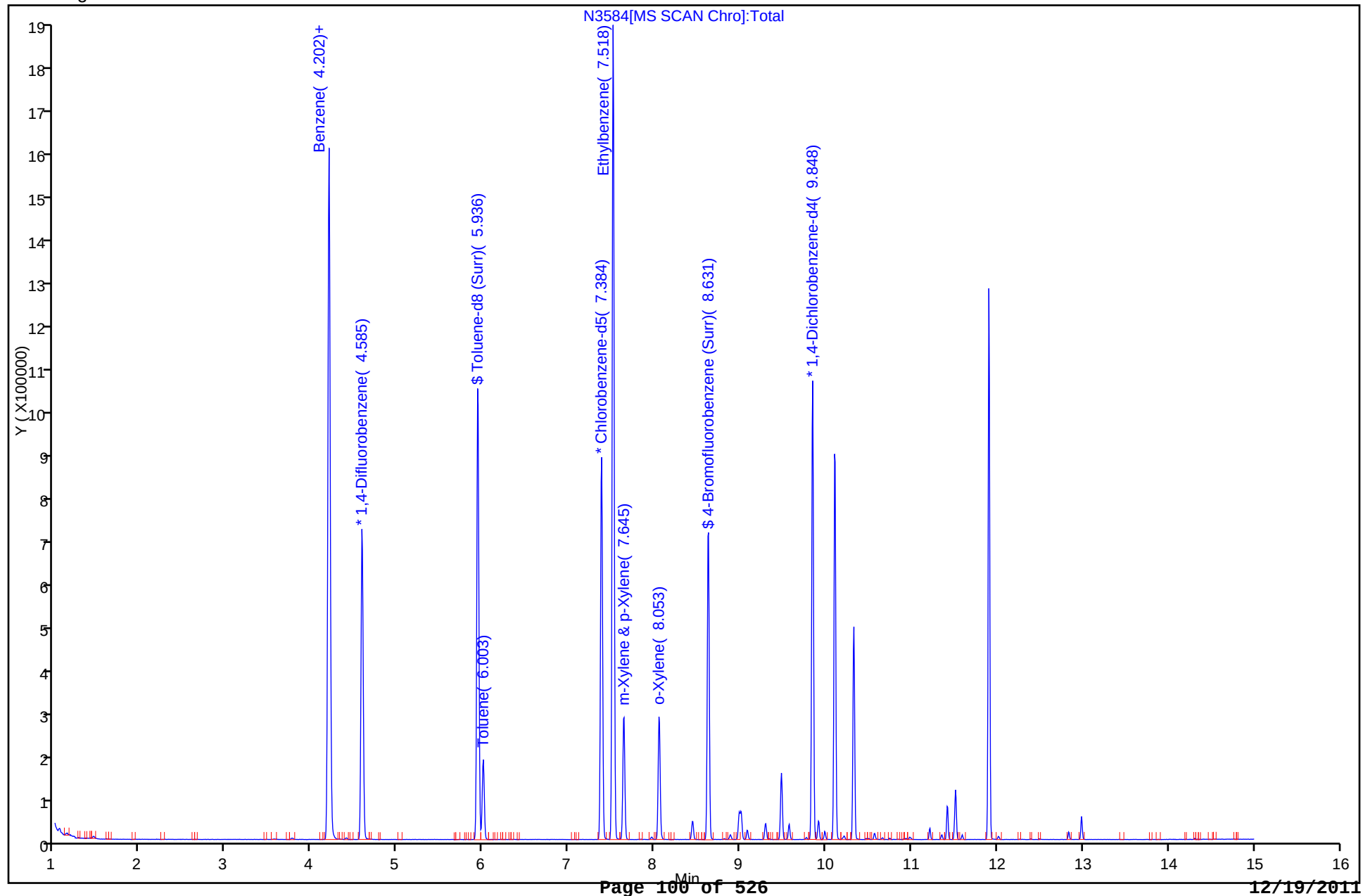
Lims Sample ID: 19

Operator ID: CDC

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 17-Nov-2011 12:10:23

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7595.b\N3584.D

Injection Date: 17-Nov-2011 03:28:30

Limit Group: MV - 8260B ICAL

Client ID: MW 3 DR

Instrument ID: HP5973N

Lims Batch ID: 40801

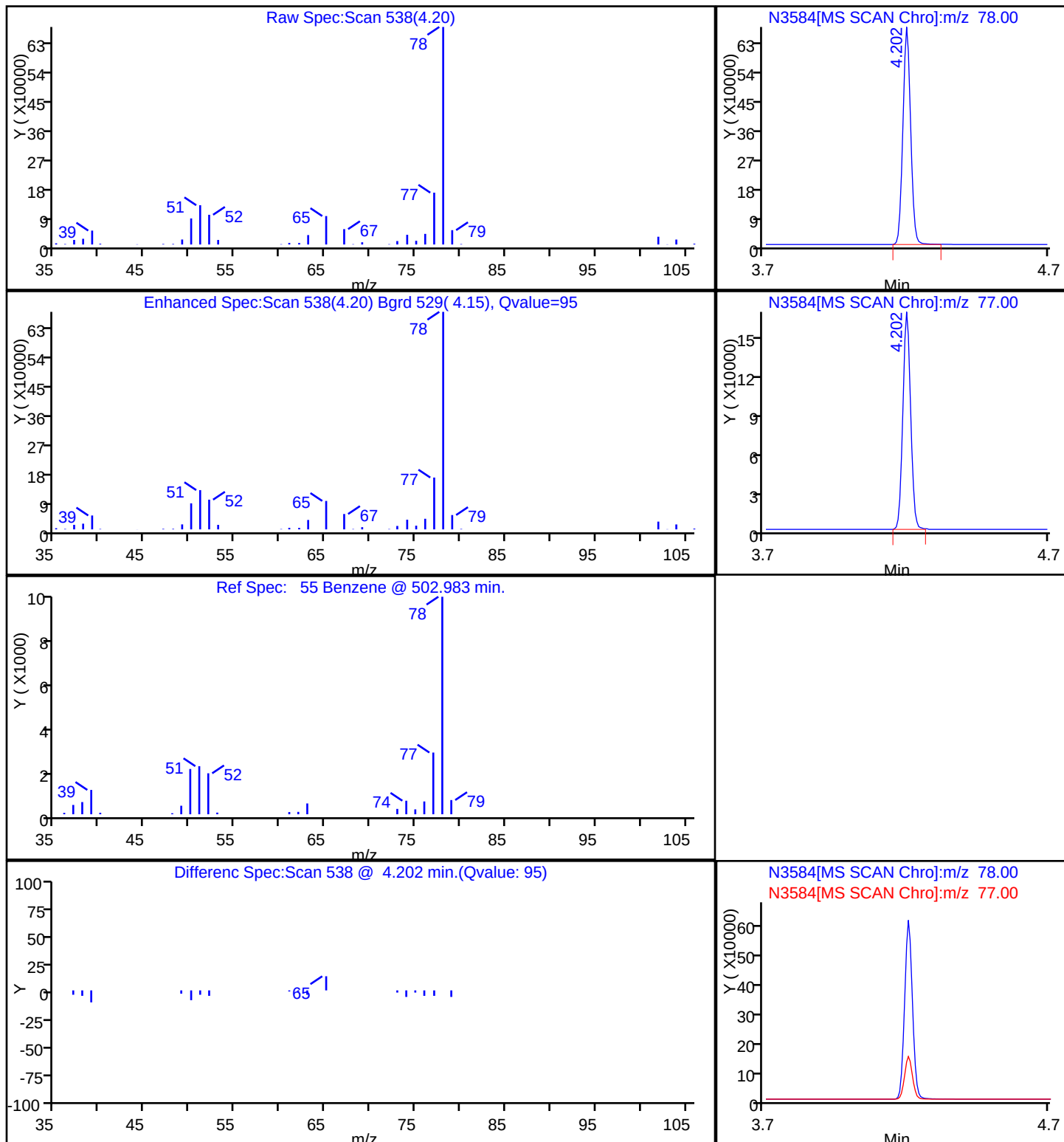
Lims Sample ID: 19

Operator ID: CDC

Column Type: ZB-624

Column Dia: 0.25 mm

55 Benzene



Report Date: 17-Nov-2011 12:10:23

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7595.b\N3584.D

Injection Date: 17-Nov-2011 03:28:30

Limit Group: MV - 8260B ICAL

Client ID: MW 3 DR

Instrument ID: HP5973N

Lims Batch ID: 40801

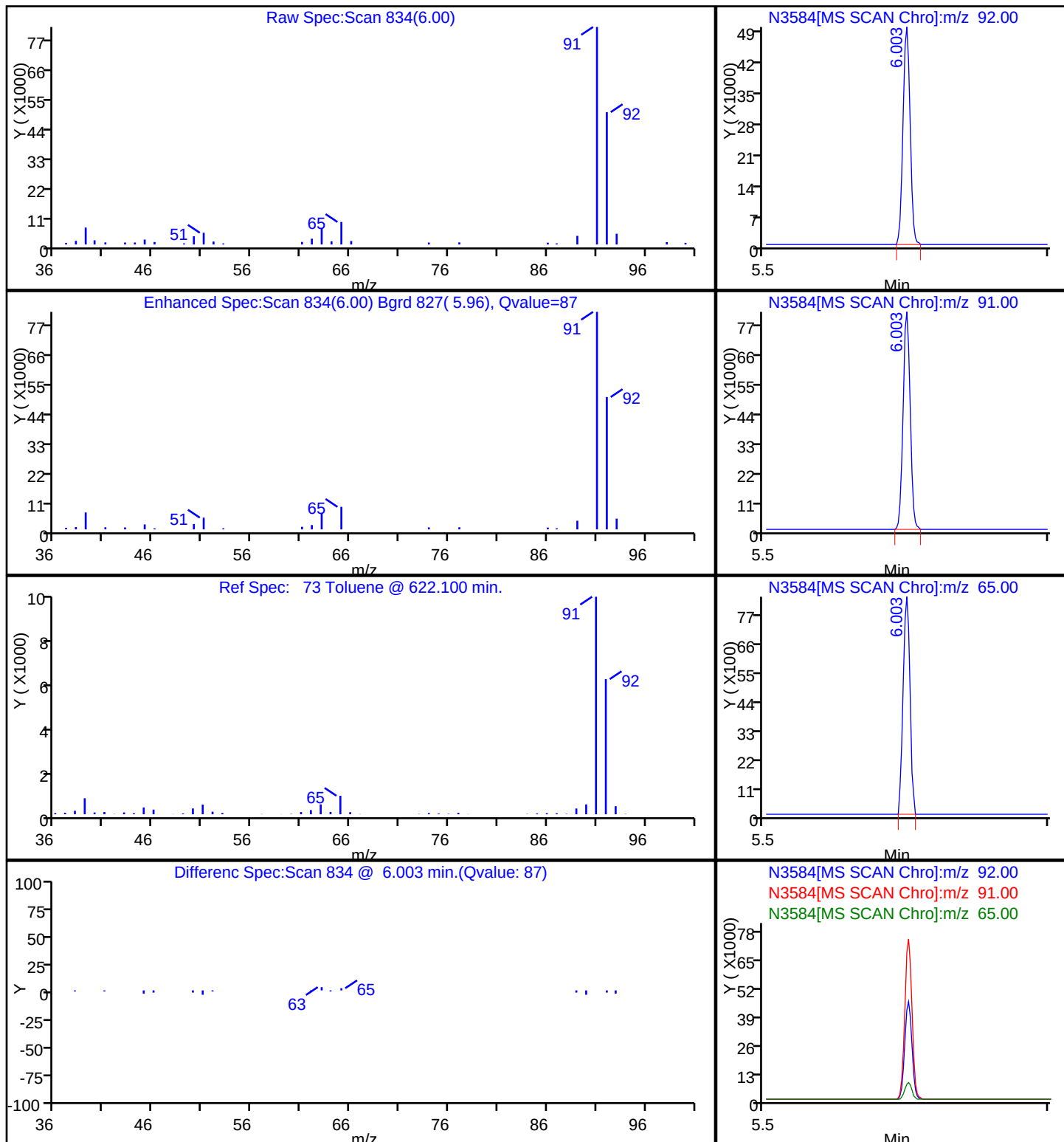
Lims Sample ID: 19

Operator ID: CDC

Column Type: ZB-624

Column Dia: 0.25 mm

73 Toluene



Report Date: 17-Nov-2011 12:10:23

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7595.b\N3584.D

Injection Date: 17-Nov-2011 03:28:30

Limit Group: MV - 8260B ICAL

Client ID: MW 3 DR

Instrument ID: HP5973N

Lims Batch ID: 40801

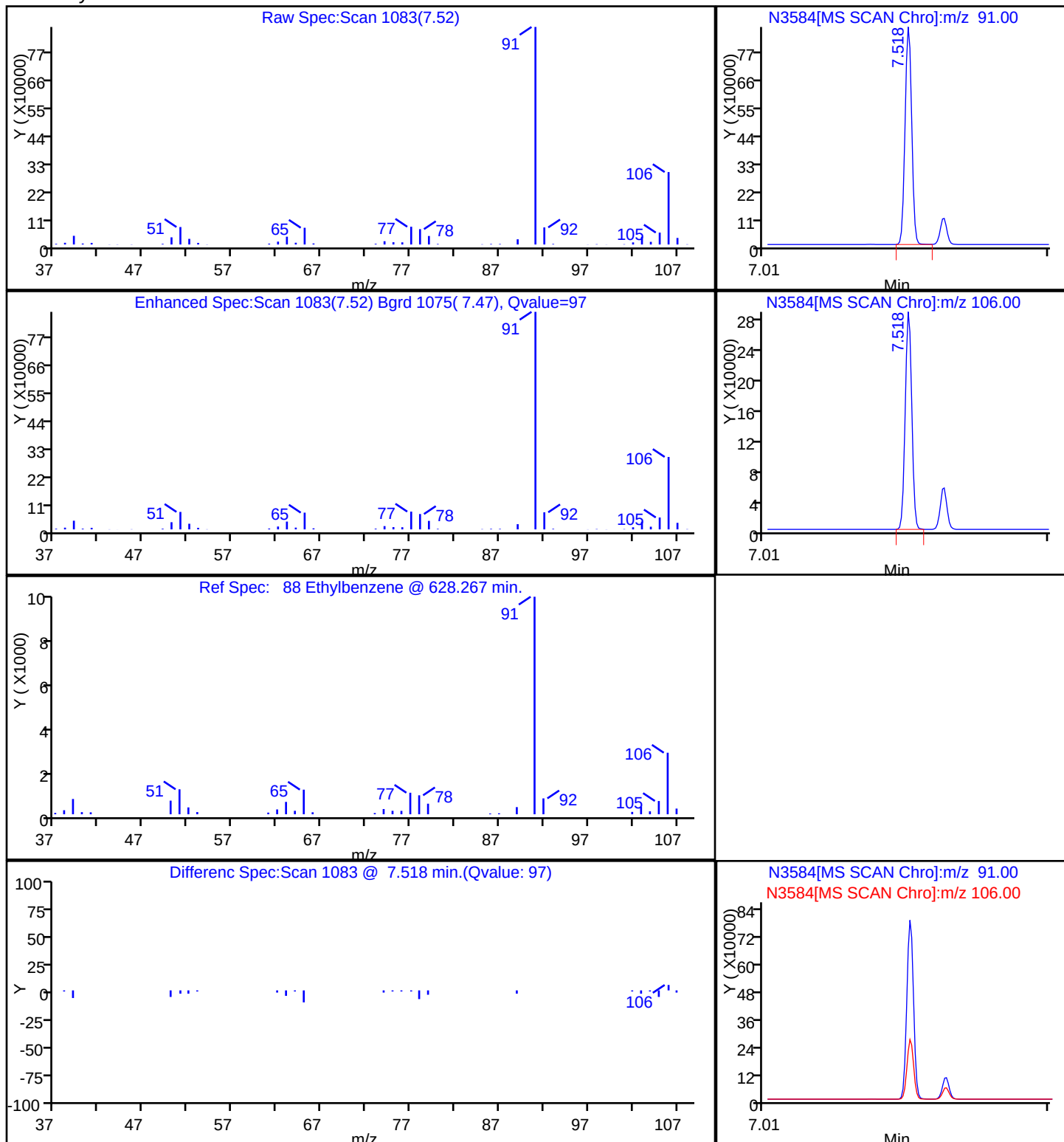
Lims Sample ID: 19

Operator ID: CDC

Column Type: ZB-624

Column Dia: 0.25 mm

88 Ethylbenzene



Report Date: 17-Nov-2011 12:10:23

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7595.b\N3584.D

Injection Date: 17-Nov-2011 03:28:30

Limit Group: MV - 8260B ICAL

Client ID: MW 3 DR

Instrument ID: HP5973N

Lims Batch ID: 40801

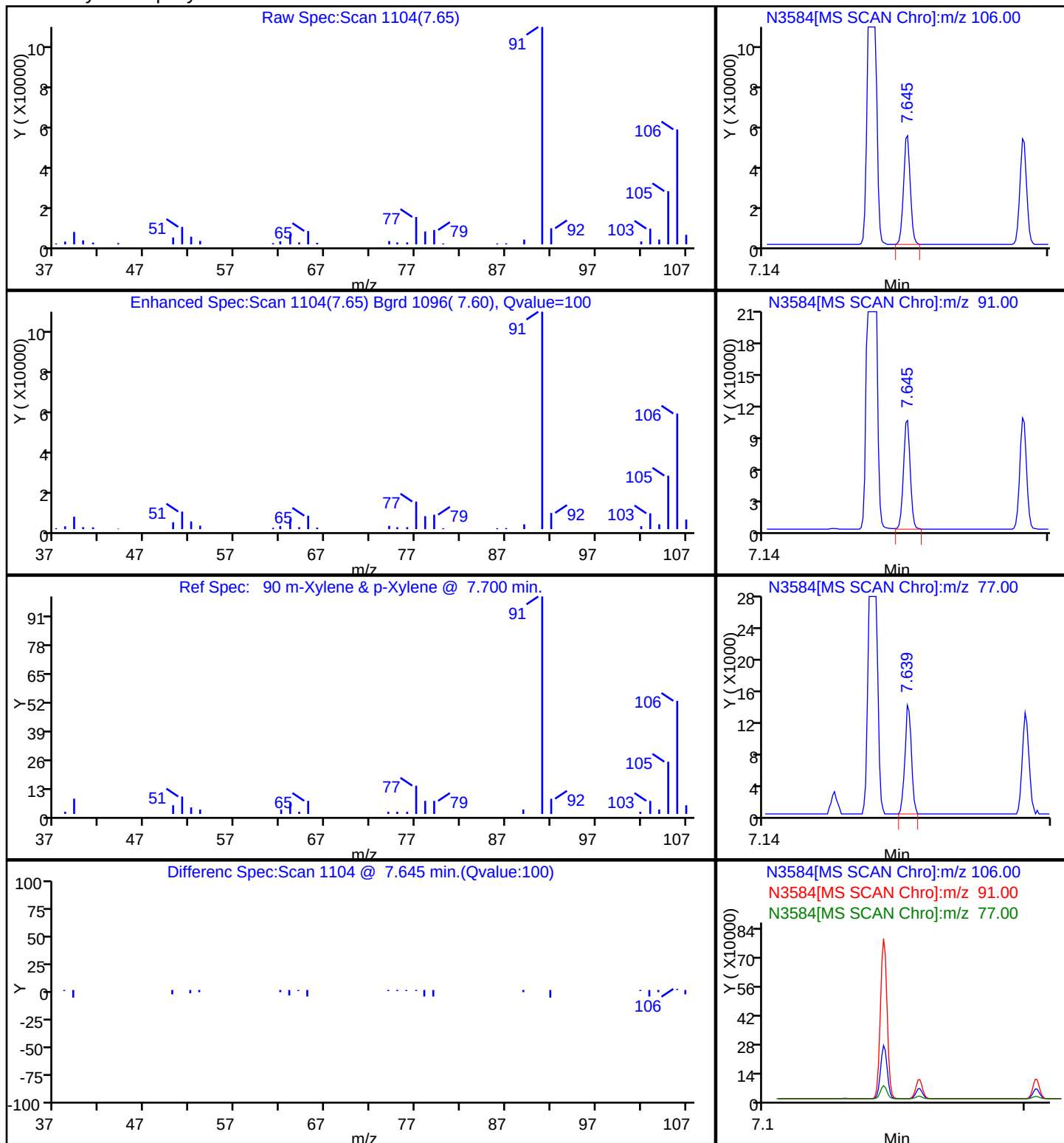
Lims Sample ID: 19

Operator ID: CDC

Column Type: ZB-624

Column Dia: 0.25 mm

90 m-Xylene & p-Xylene



Report Date: 17-Nov-2011 12:10:23

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7595.b\N3584.D

Injection Date: 17-Nov-2011 03:28:30

Limit Group: MV - 8260B ICAL

Client ID: MW 3 DR

Instrument ID: HP5973N

Lims Batch ID: 40801

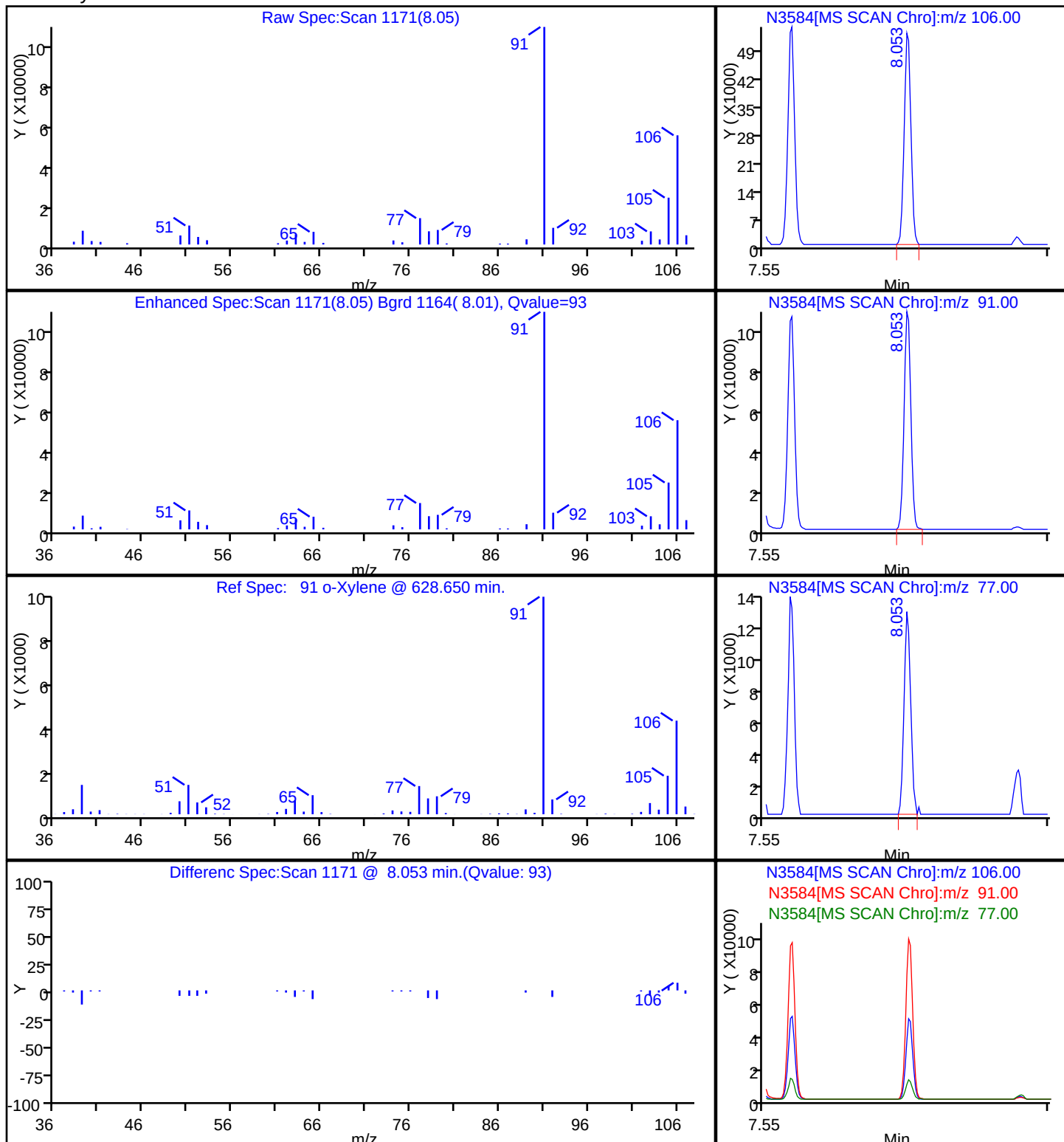
Lims Sample ID: 19

Operator ID: CDC

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.: 480-12393-1
 SDG No.: _____
 Client Sample ID: MW 3 DR DUP Lab Sample ID: 480-12393-3
 Matrix: Water Lab File ID: N3547.D
 Analysis Method: 8260B Date Collected: 11/03/2011 18:05
 Sample wt/vol: 5(mL) Date Analyzed: 11/16/2011 12:54
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 40606 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	480	E	1.0	0.41
108-88-3	Toluene	100	E	1.0	0.51
100-41-4	Ethylbenzene	380	E	1.0	0.74
179601-23-1	m-Xylene & p-Xylene	140		2.0	0.66
95-47-6	o-Xylene	150	E	1.0	0.76
1330-20-7	Xylenes, Total	290	E	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	68		66-137
2037-26-5	Toluene-d8 (Surr)	104		71-126
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7564.b\N3547.D
 Lims ID: 480-12393-D-3 Client ID: MW 3 DR DUP
 Inject. Date: 16-Nov-2011 12:54:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-12393-D-3
 Misc. Info.: 480-0007564-008
 Operator: LH Instrument ID: HP5973N
 Vol. Injected: 1.0000 ALS Bottle#: 34
 Lims Batch ID: 40606 Lims Sample ID: 8
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20111116-7564.b\N-8260.m
 Last Update: 16-Nov-2011 10:19:58 Calib Date: 19-Oct-2011 15:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20111019-6796.b\N2257.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: HillL

Date: 16-Nov-2011 14:04:52

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	89	701786	25.0	
* 2 Chlorobenzene-d5	117	7.414	7.414	0.0	83	594453	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.878	9.878	0.0	92	314976	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.233	4.226	0.006	0	156247	17.1	
\$ 6 Toluene-d8 (Surr)	98	5.966	5.966	0.0	82	778129	25.9	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.661	8.661	0.0	93	240157	25.4	
55 Benzene	78	4.233	4.232	0.0	91	15701255	480.9	E
73 Toluene	92	6.033	6.033	0.0	94	2105441	101.6	E
88 Ethylbenzene	91	7.560	7.548	0.012	87	14523212	376.2	E
90 m-Xylene & p-Xylene	106	7.676	7.676	0.0	98	2136307	138.1	
91 o-Xylene	106	8.089	8.083	0.006	94	2174127	146.7	E
S 125 Total BTEX	1				0		1243.5	
S 126 Xylenes, Total	1				0		284.8	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Report Date: 16-Nov-2011 14:04:52

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7564.b\N3547.D

Injection Date: 16-Nov-2011 12:54:30

Limit Group: MV - 8260B ICAL

Client ID: MW 3 DR DUP

Instrument ID: HP5973N

Lims Batch ID: 40606

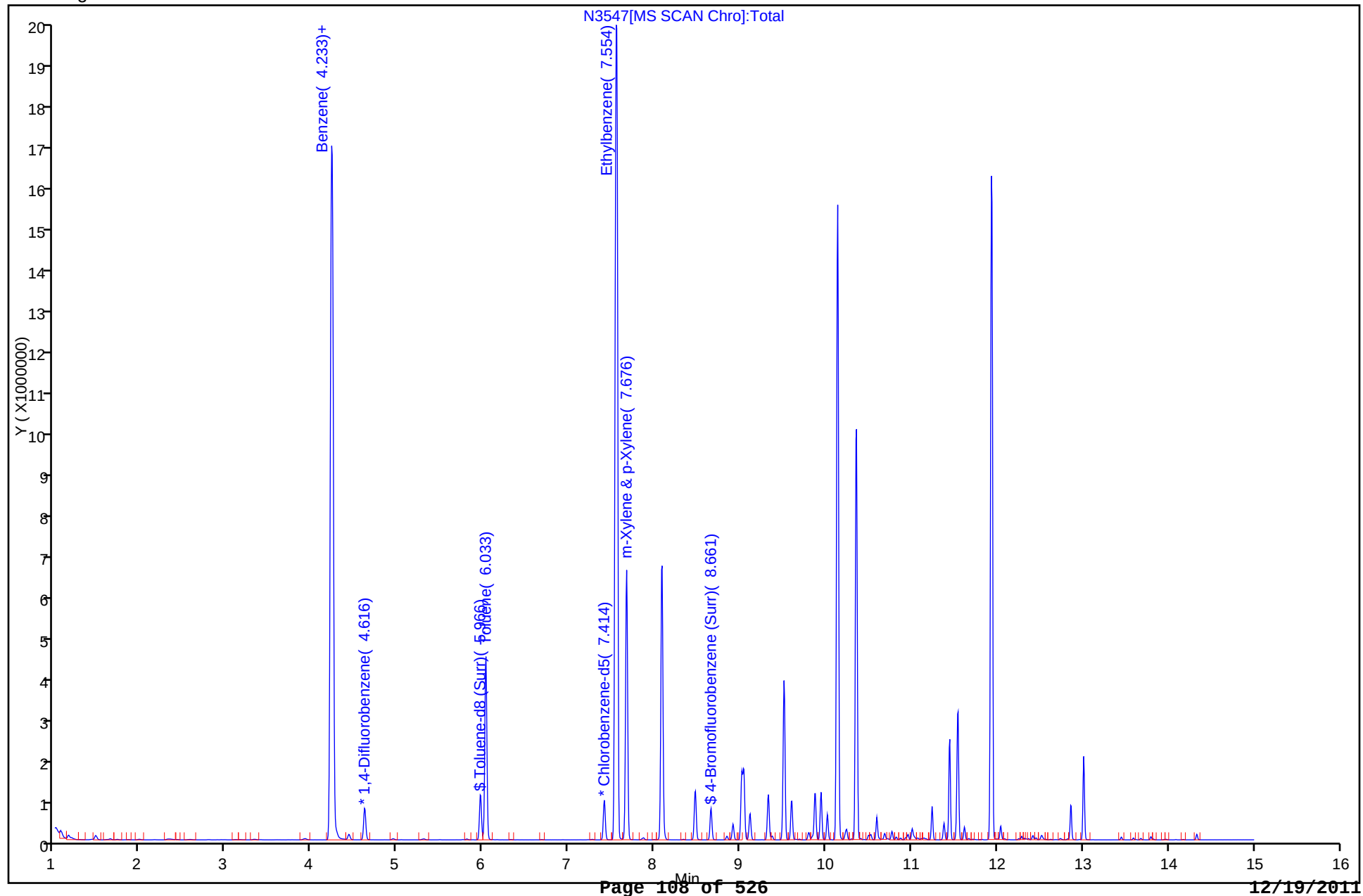
Lims Sample ID: 8

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 16-Nov-2011 14:04:52

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7564.b\N3547.D

Injection Date: 16-Nov-2011 12:54:30

Limit Group: MV - 8260B ICAL

Client ID: MW 3 DR DUP

Instrument ID: HP5973N

Lims Batch ID: 40606

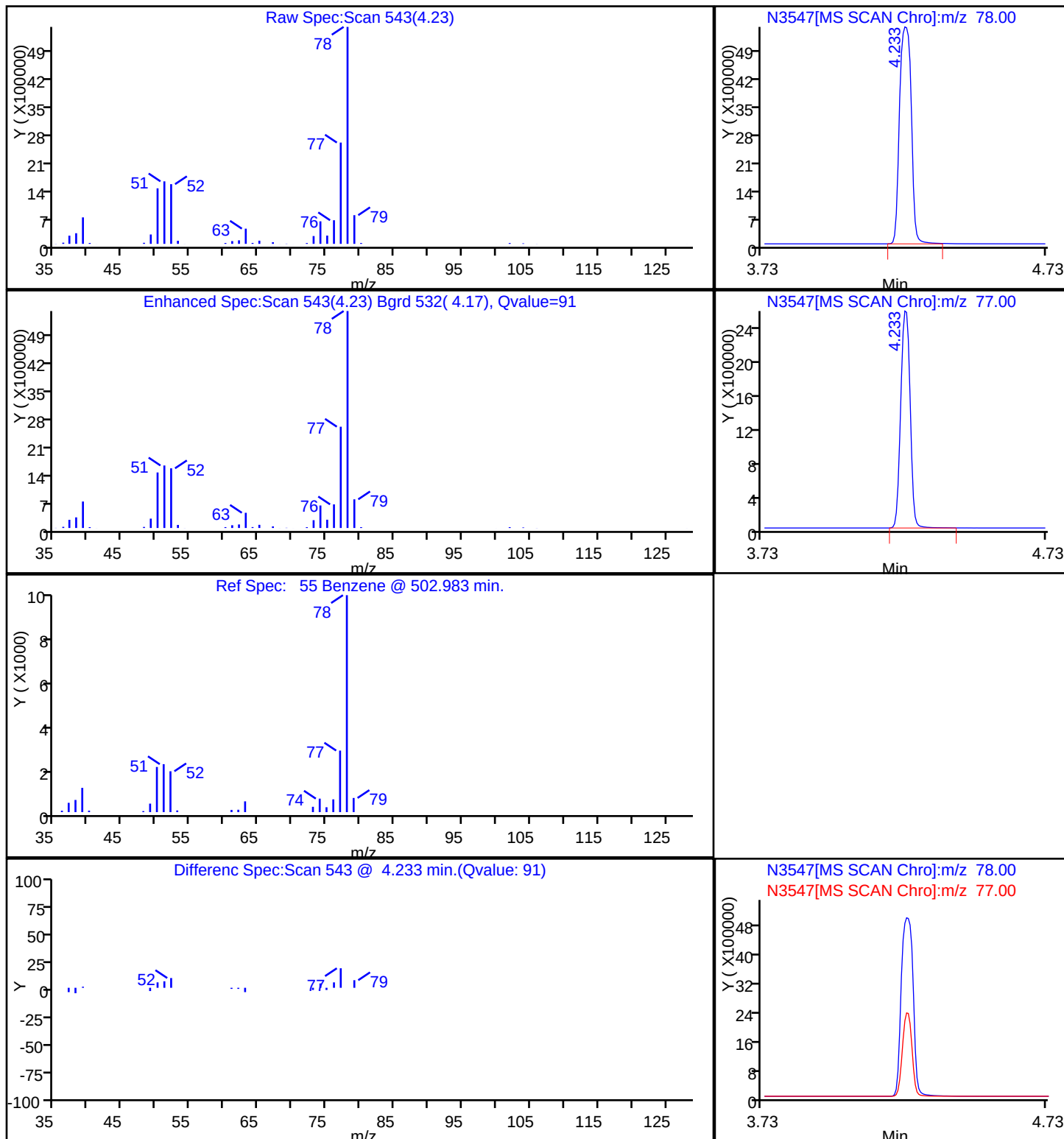
Lims Sample ID: 8

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

55 Benzene



Report Date: 16-Nov-2011 14:04:52

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7564.b\N3547.D

Injection Date: 16-Nov-2011 12:54:30

Limit Group: MV - 8260B ICAL

Client ID: MW 3 DR DUP

Instrument ID: HP5973N

Lims Batch ID: 40606

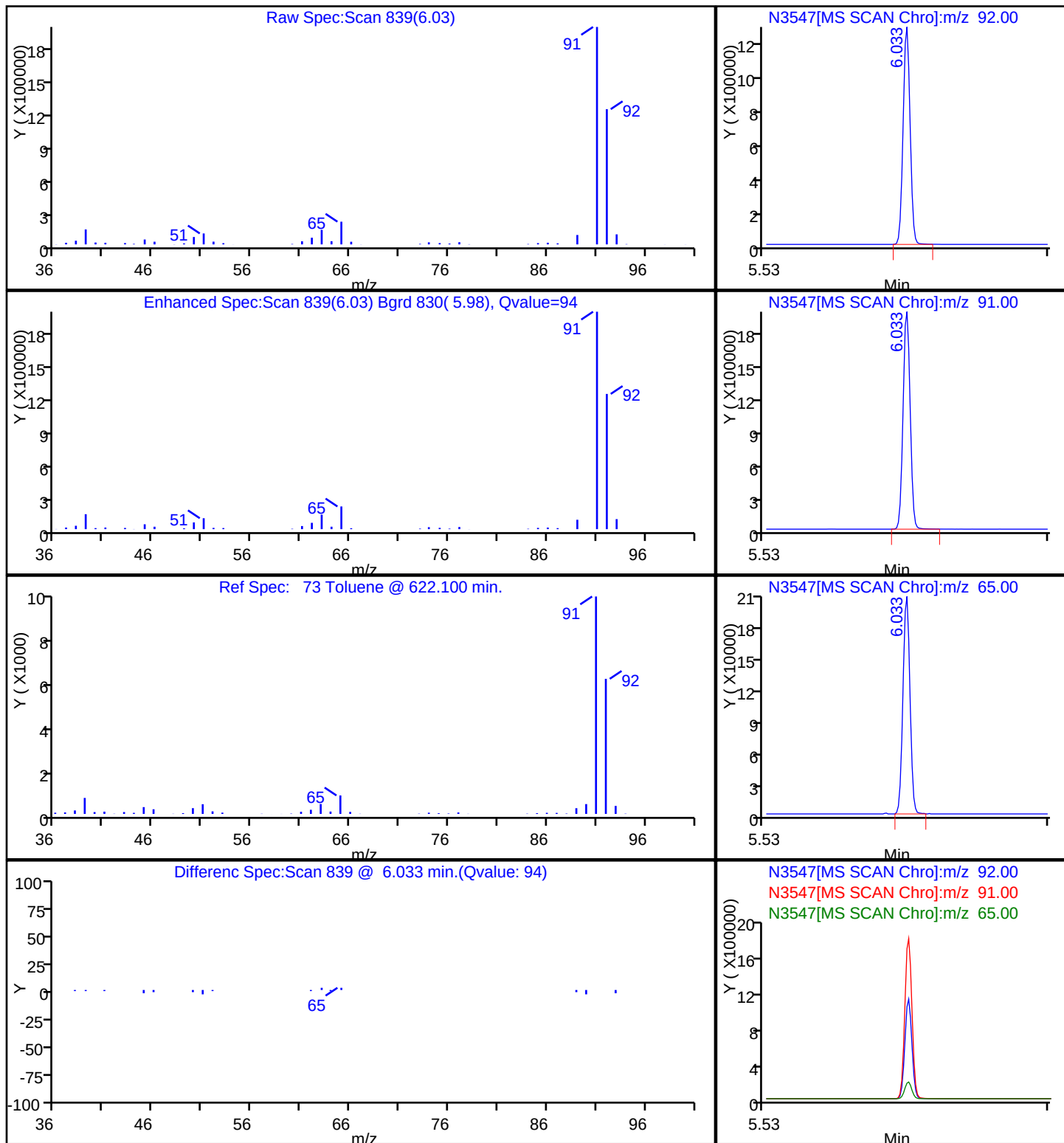
Lims Sample ID: 8

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

73 Toluene



Report Date: 16-Nov-2011 14:04:52

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7564.b\N3547.D

Injection Date: 16-Nov-2011 12:54:30

Limit Group: MV - 8260B ICAL

Client ID: MW 3 DR DUP

Instrument ID: HP5973N

Lims Batch ID: 40606

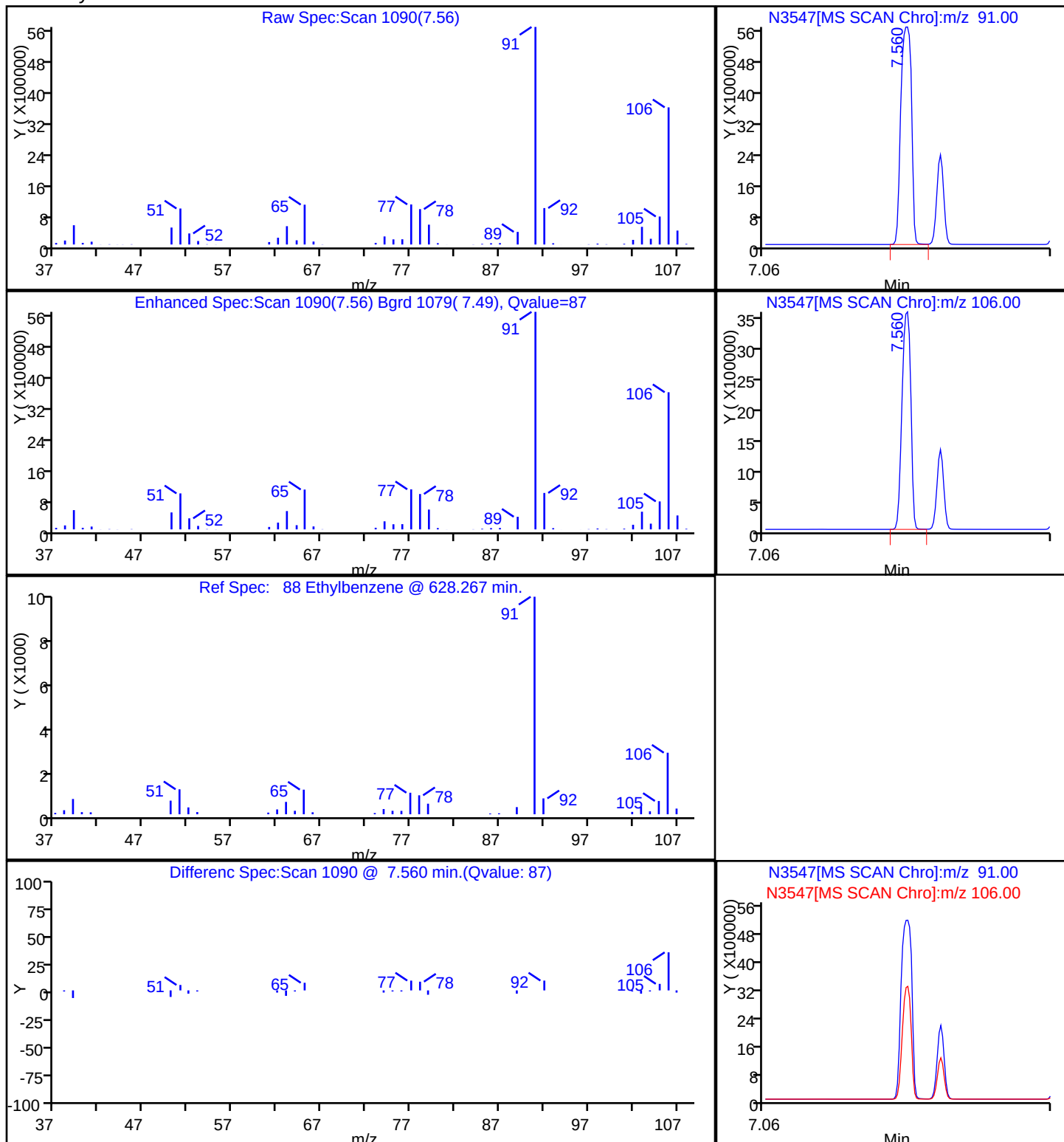
Lims Sample ID: 8

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

88 Ethylbenzene



Report Date: 16-Nov-2011 14:04:52

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7564.b\N3547.D

Injection Date: 16-Nov-2011 12:54:30

Limit Group: MV - 8260B ICAL

Client ID: MW 3 DR DUP

Instrument ID: HP5973N

Lims Batch ID: 40606

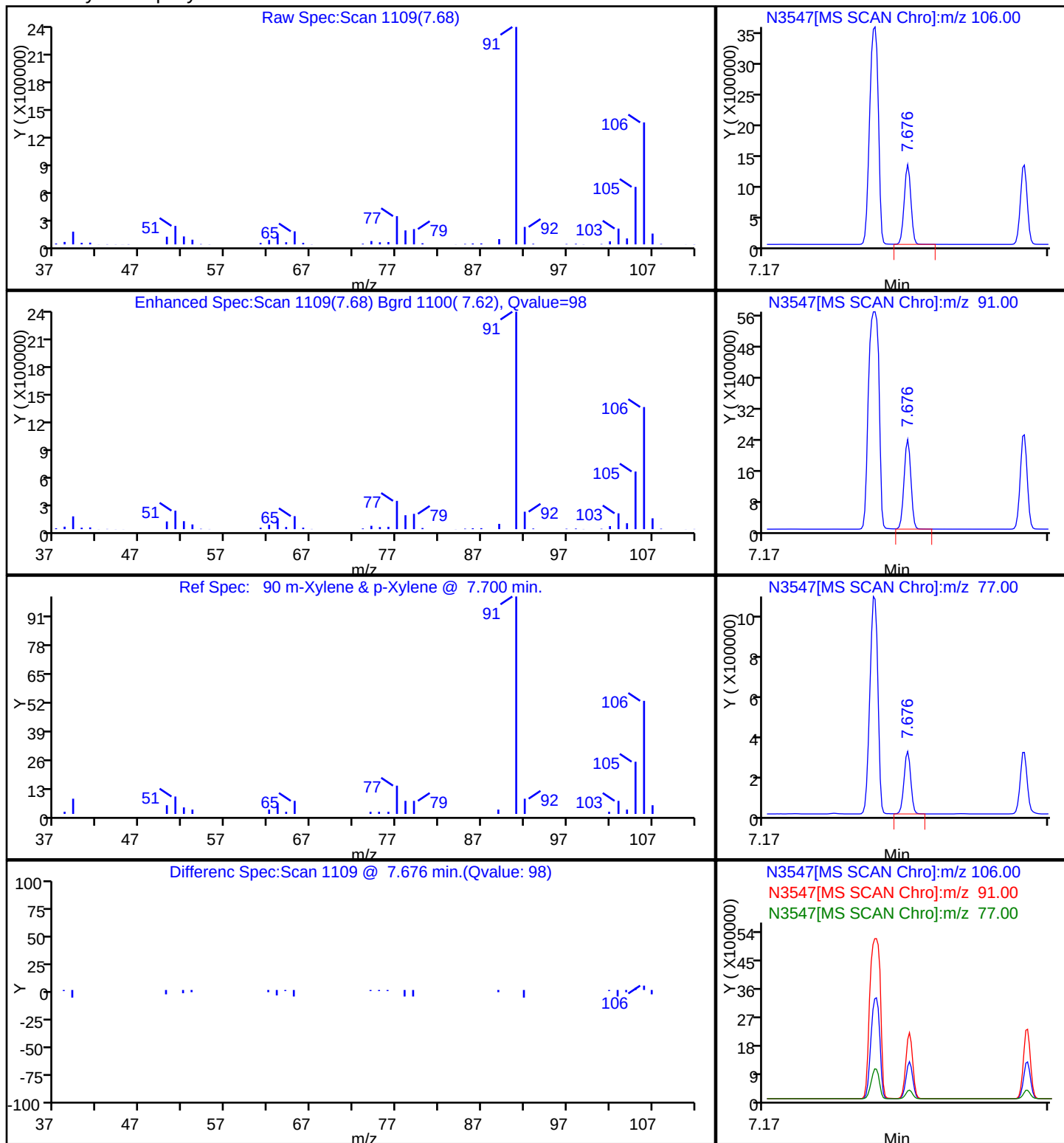
Lims Sample ID: 8

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

90 m-Xylene & p-Xylene



Report Date: 16-Nov-2011 14:04:52

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7564.b\N3547.D

Injection Date: 16-Nov-2011 12:54:30

Limit Group: MV - 8260B ICAL

Client ID: MW 3 DR DUP

Instrument ID: HP5973N

Lims Batch ID: 40606

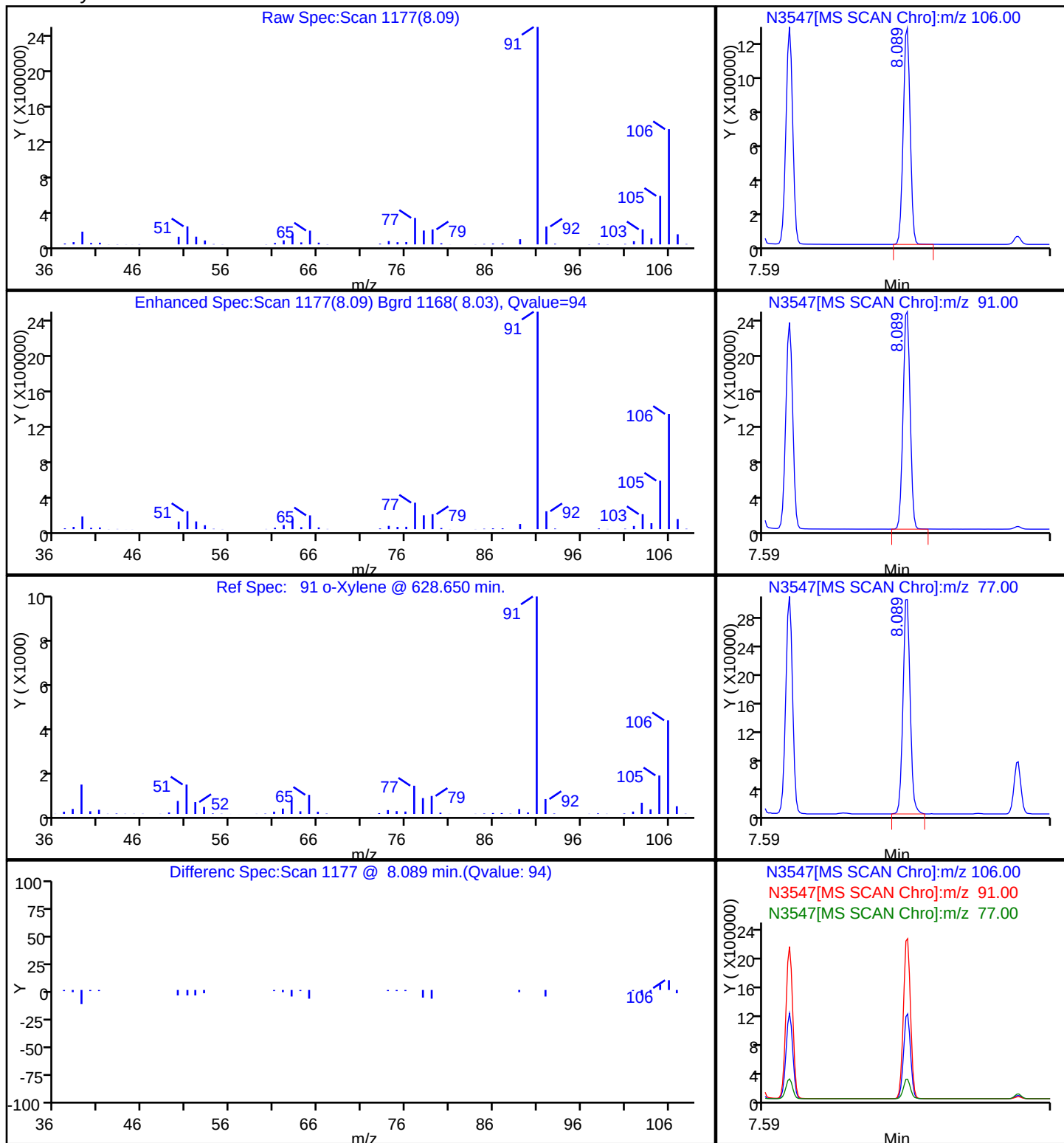
Lims Sample ID: 8

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

91 o-Xylene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1
 SDG No.: _____
 Client Sample ID: MW 3 DR DUP DL Lab Sample ID: 480-12393-3 DL
 Matrix: Water Lab File ID: N3585.D
 Analysis Method: 8260B Date Collected: 11/03/2011 18:05
 Sample wt/vol: 5(mL) Date Analyzed: 11/17/2011 03:52
 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.: 40801 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	1100		25	10
108-88-3	Toluene	110		25	13
100-41-4	Ethylbenzene	980		25	19
179601-23-1	<i>m</i> -Xylene & <i>p</i> -Xylene	150		50	17
95-47-6	<i>o</i> -Xylene	150		25	19
1330-20-7	Xylenes, Total	300		50	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	85		66-137
2037-26-5	Toluene-d8 (Surr)	106		71-126
460-00-4	4-Bromofluorobenzene (Surr)	102		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7595.b\N3585.D
 Lims ID: 480-12393-E-3 Client ID: MW 3 DR DUP
 Inject. Date: 17-Nov-2011 03:52:30 Dil. Factor: 25.0000
 Sample Type: Client
 Sample ID: 480-12393-E-3
 Misc. Info.: 480-0007595-020
 Operator: CDC Instrument ID: HP5973N
 Vol. Injected: 1.0000 ALS Bottle#: 14
 Lims Batch ID: 40801 Lims Sample ID: 20
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20111116-7595.b\N-8260.m
 Last Update: 16-Nov-2011 23:33:21 Calib Date: 19-Oct-2011 15:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20111019-6796.b\N2257.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: HillL

Date: 17-Nov-2011 12:10:29

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.591	4.585	0.006	89	645232	25.0	
* 2 Chlorobenzene-d5	117	7.384	7.384	0.0	83	551225	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.848	9.847	0.001	93	295014	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.196	4.196	0.0	0	179300	21.3	
\$ 6 Toluene-d8 (Surr)	98	5.942	5.936	0.006	82	740209	26.6	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.631	8.631	0.0	92	224782	25.6	
55 Benzene	78	4.202	4.202	0.0	95	1280473	42.7	
73 Toluene	92	6.003	6.003	0.0	81	85653	4.46	
88 Ethylbenzene	91	7.518	7.517	0.001	97	1403449	39.2	
90 m-Xylene & p-Xylene	106	7.645	7.639	0.006	100	87623	6.11	
91 o-Xylene	106	8.059	8.053	0.006	94	84981	6.18	
S 125 Total BTEX	1				0		98.6	
S 126 Xylenes, Total	1				0		12.3	

Report Date: 17-Nov-2011 12:10:29

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7595.b\N3585.D

Injection Date: 17-Nov-2011 03:52:30

Limit Group: MV - 8260B ICAL

Client ID: MW 3 DR DUP

Instrument ID: HP5973N

Lims Batch ID: 40801

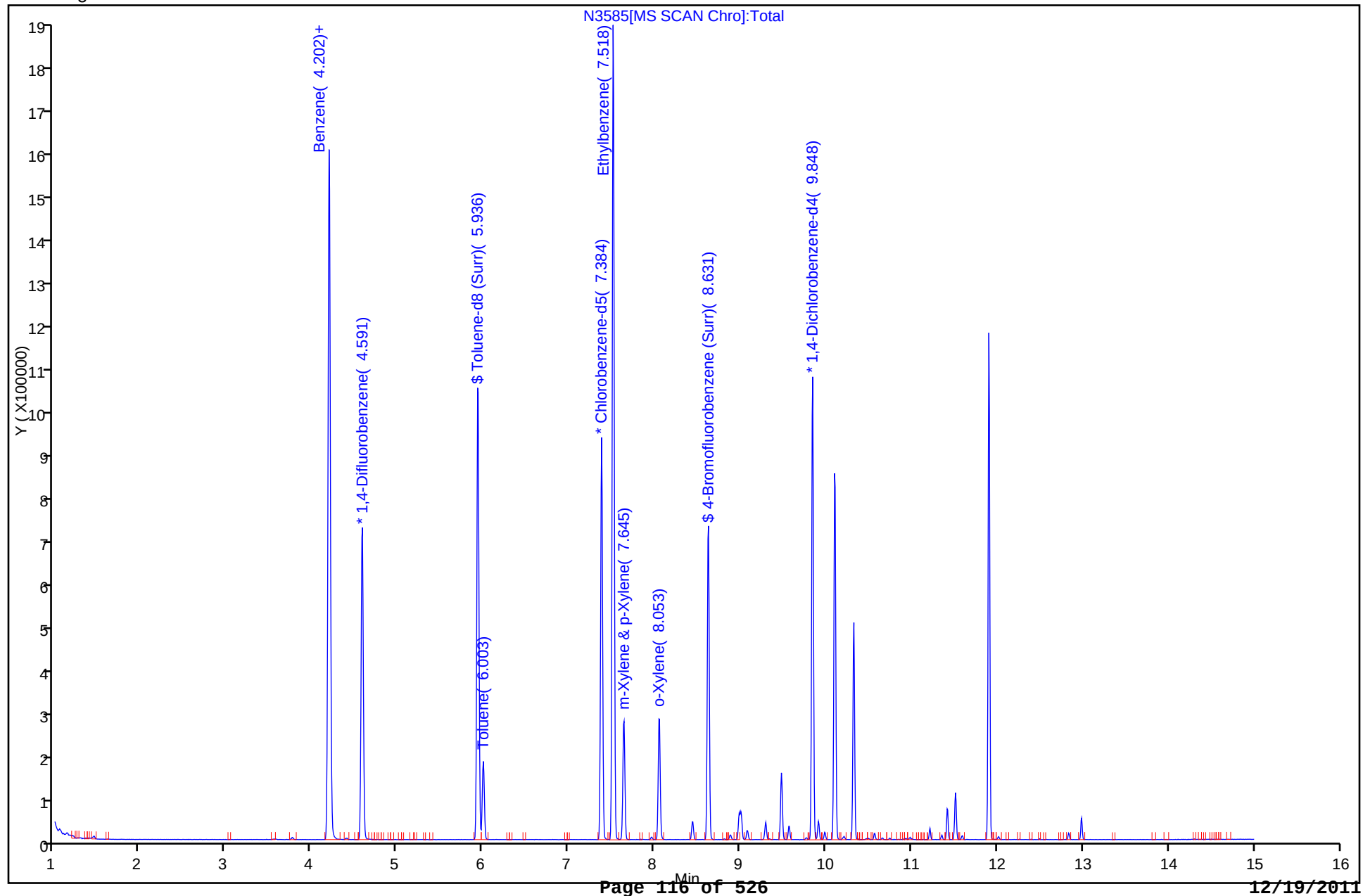
Lims Sample ID: 20

Operator ID: CDC

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 17-Nov-2011 12:10:29

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7595.b\N3585.D

Injection Date: 17-Nov-2011 03:52:30

Limit Group: MV - 8260B ICAL

Client ID: MW 3 DR DUP

Instrument ID: HP5973N

Lims Batch ID: 40801

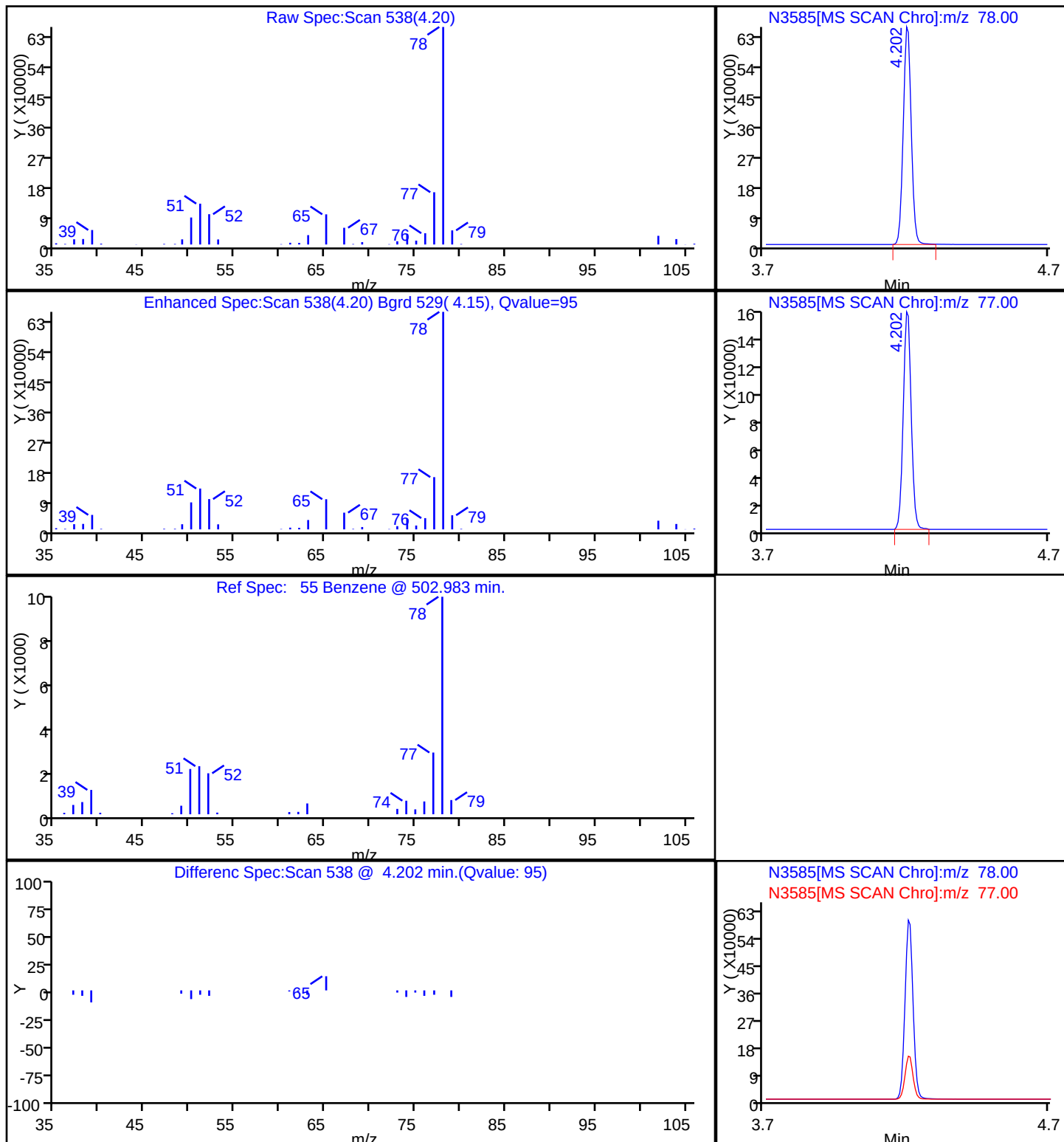
Lims Sample ID: 20

Operator ID: CDC

Column Type: ZB-624

Column Dia: 0.25 mm

55 Benzene



Report Date: 17-Nov-2011 12:10:29

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7595.b\N3585.D

Injection Date: 17-Nov-2011 03:52:30

Limit Group: MV - 8260B ICAL

Client ID: MW 3 DR DUP

Instrument ID: HP5973N

Lims Batch ID: 40801

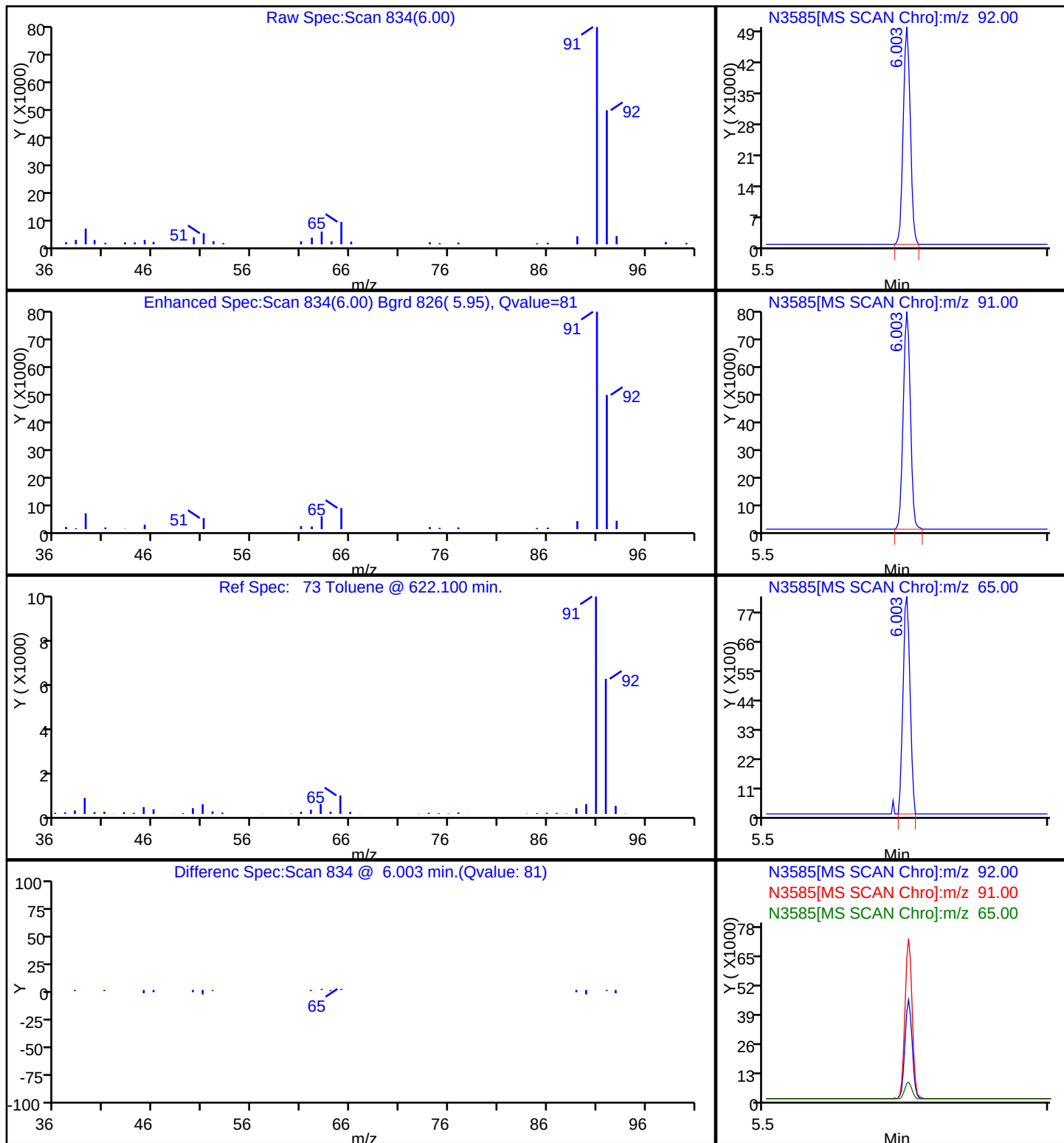
Lims Sample ID: 20

Operator ID: CDC

Column Type: ZB-624

Column Dia: 0.25 mm

73 Toluene



Report Date: 17-Nov-2011 12:10:29

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7595.b\N3585.D

Injection Date: 17-Nov-2011 03:52:30

Limit Group: MV - 8260B ICAL

Client ID: MW 3 DR DUP

Instrument ID: HP5973N

Lims Batch ID: 40801

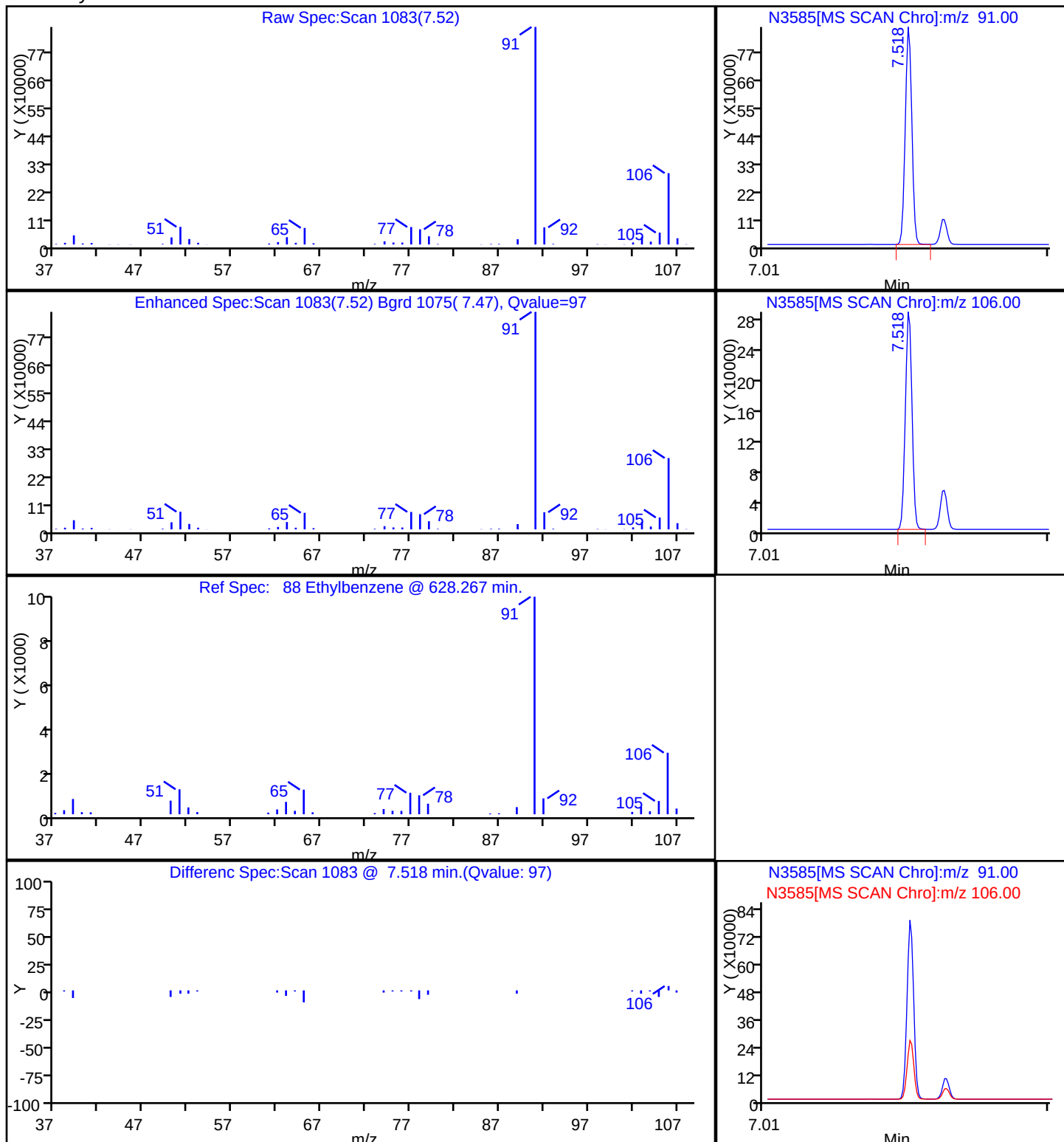
Lims Sample ID: 20

Operator ID: CDC

Column Type: ZB-624

Column Dia: 0.25 mm

88 Ethylbenzene



Report Date: 17-Nov-2011 12:10:29

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7595.b\N3585.D

Injection Date: 17-Nov-2011 03:52:30

Limit Group: MV - 8260B ICAL

Client ID: MW 3 DR DUP

Instrument ID: HP5973N

Lims Batch ID: 40801

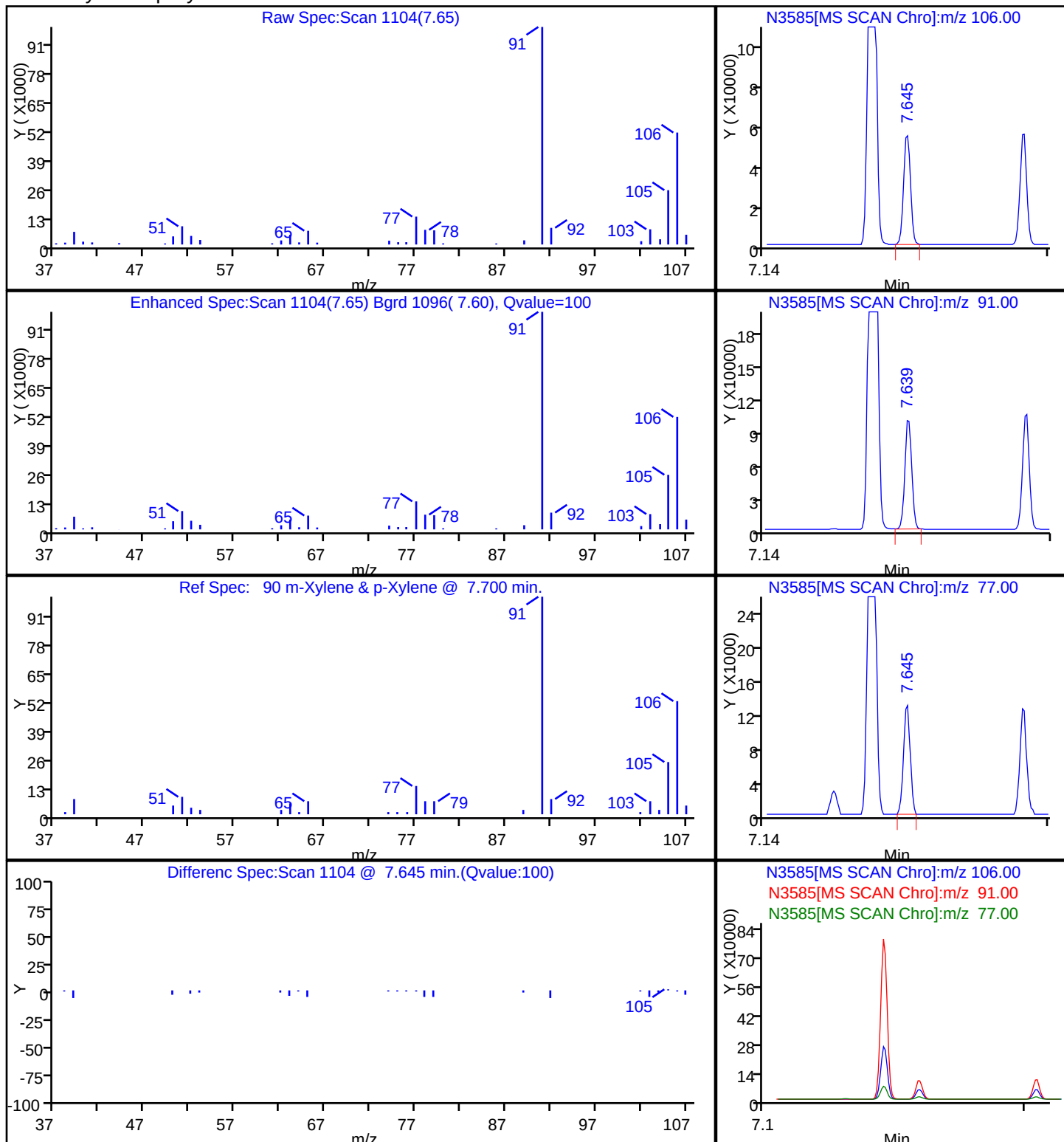
Lims Sample ID: 20

Operator ID: CDC

Column Type: ZB-624

Column Dia: 0.25 mm

90 m-Xylene & p-Xylene



Report Date: 17-Nov-2011 12:10:29

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7595.b\N3585.D

Injection Date: 17-Nov-2011 03:52:30

Limit Group: MV - 8260B ICAL

Client ID: MW 3 DR DUP

Instrument ID: HP5973N

Lims Batch ID: 40801

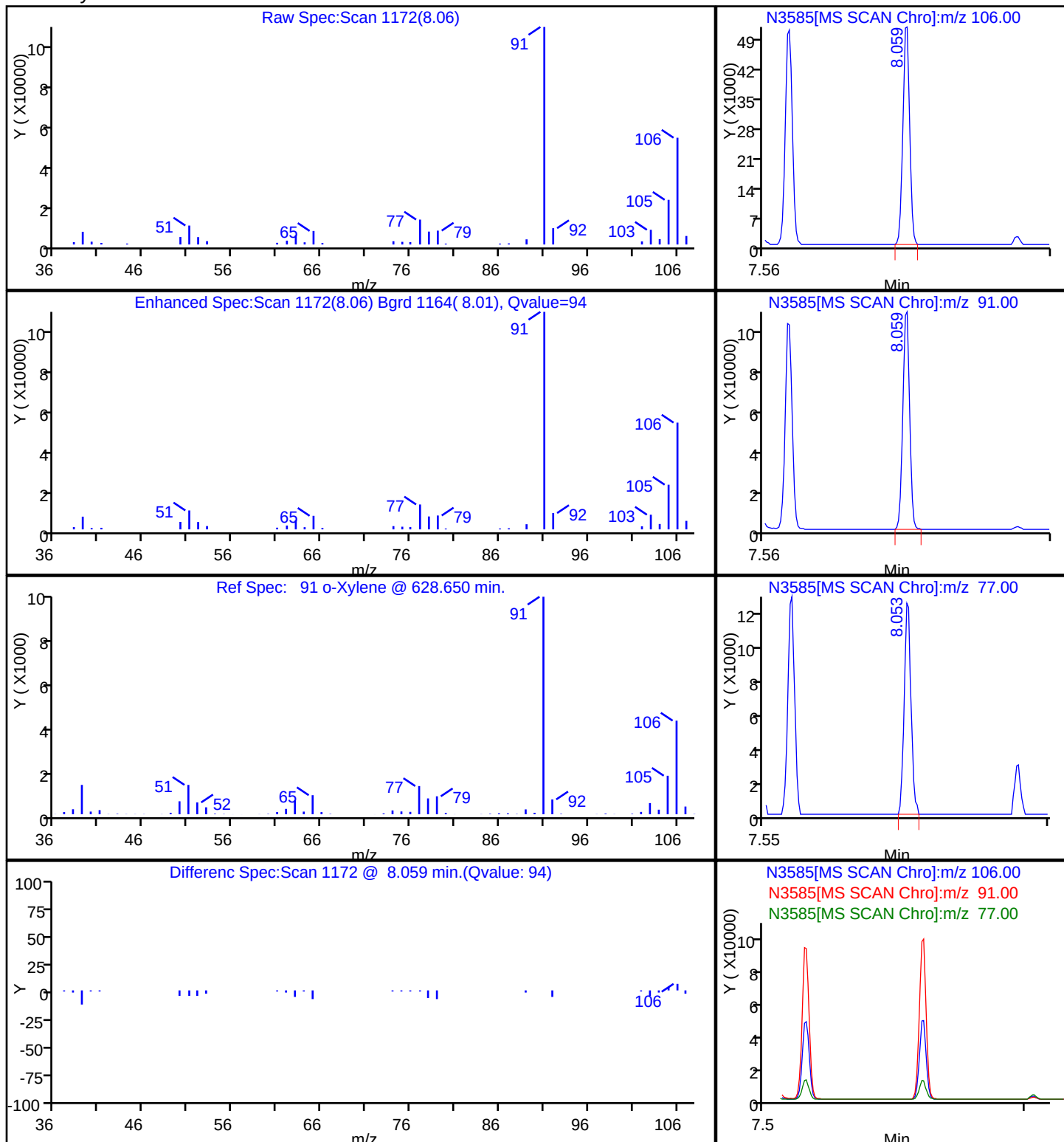
Lims Sample ID: 20

Operator ID: CDC

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.: 480-12393-1
 SDG No.: _____
 Client Sample ID: MW 8 DR Lab Sample ID: 480-12393-4
 Matrix: Water Lab File ID: N3548.D
 Analysis Method: 8260B Date Collected: 11/04/2011 12:10
 Sample wt/vol: 5(mL) Date Analyzed: 11/16/2011 13:18
 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.: 40606 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	1900	E	1.0	0.41
108-88-3	Toluene	36		1.0	0.51
100-41-4	Ethylbenzene	550	E	1.0	0.74
179601-23-1	m-Xylene & p-Xylene	610	E	2.0	0.66
95-47-6	o-Xylene	510	E	1.0	0.76
1330-20-7	Xylenes, Total	1100	E	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	0	X	66-137
2037-26-5	Toluene-d8 (Surr)	105		71-126
460-00-4	4-Bromofluorobenzene (Surr)	94		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7564.b\N3548.D
 Lims ID: 480-12393-D-4 Client ID: MW 8 DR
 Inject. Date: 16-Nov-2011 13:18:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-12393-D-4
 Misc. Info.: 480-0007564-028
 Operator: LH Instrument ID: HP5973N
 Vol. Injected: 1.0000 ALS Bottle#: 35
 Lims Batch ID: 40606 Lims Sample ID: 28
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20111116-7564.b\N-8260.m
 Last Update: 16-Nov-2011 10:19:58 Calib Date: 19-Oct-2011 15:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20111019-6796.b\N2257.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: HillL

Date: 16-Nov-2011 14:05:12

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.628	4.616	0.012	89	628040	25.0	
* 2 Chlorobenzene-d5	117	7.420	7.414	0.006	82	560871	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.878	9.878	0.0	87	263595	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65		4.226					
\$ 6 Toluene-d8 (Surr)	98	5.972	5.966	0.006	82	743637	26.3	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.661	8.661	0.0	92	209954	23.5	
55 Benzene	78	4.342	4.342	0.110	68	56759065	1942.4	EM
73 Toluene	92	6.033	6.033	0.0	90	711344	36.4	
88 Ethylbenzene	91	7.572	7.548	0.024	78	19971944	548.3	E
90 m-Xylene & p-Xylene	106	7.688	7.676	0.012	84	8908435	610.4	E
91 o-Xylene	106	8.095	8.083	0.012	88	7090061	507.1	E
S 125 Total BTEX	1				0		3644.6	
S 126 Xylenes, Total	1				0		1117.5	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Review Flags

M - Manually Integrated

Report Date: 16-Nov-2011 14:05:12

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7564.b\N3548.D

Injection Date: 16-Nov-2011 13:18:30

Limit Group: MV - 8260B ICAL

Client ID: MW 8 DR

Instrument ID: HP5973N

Lims Batch ID: 40606

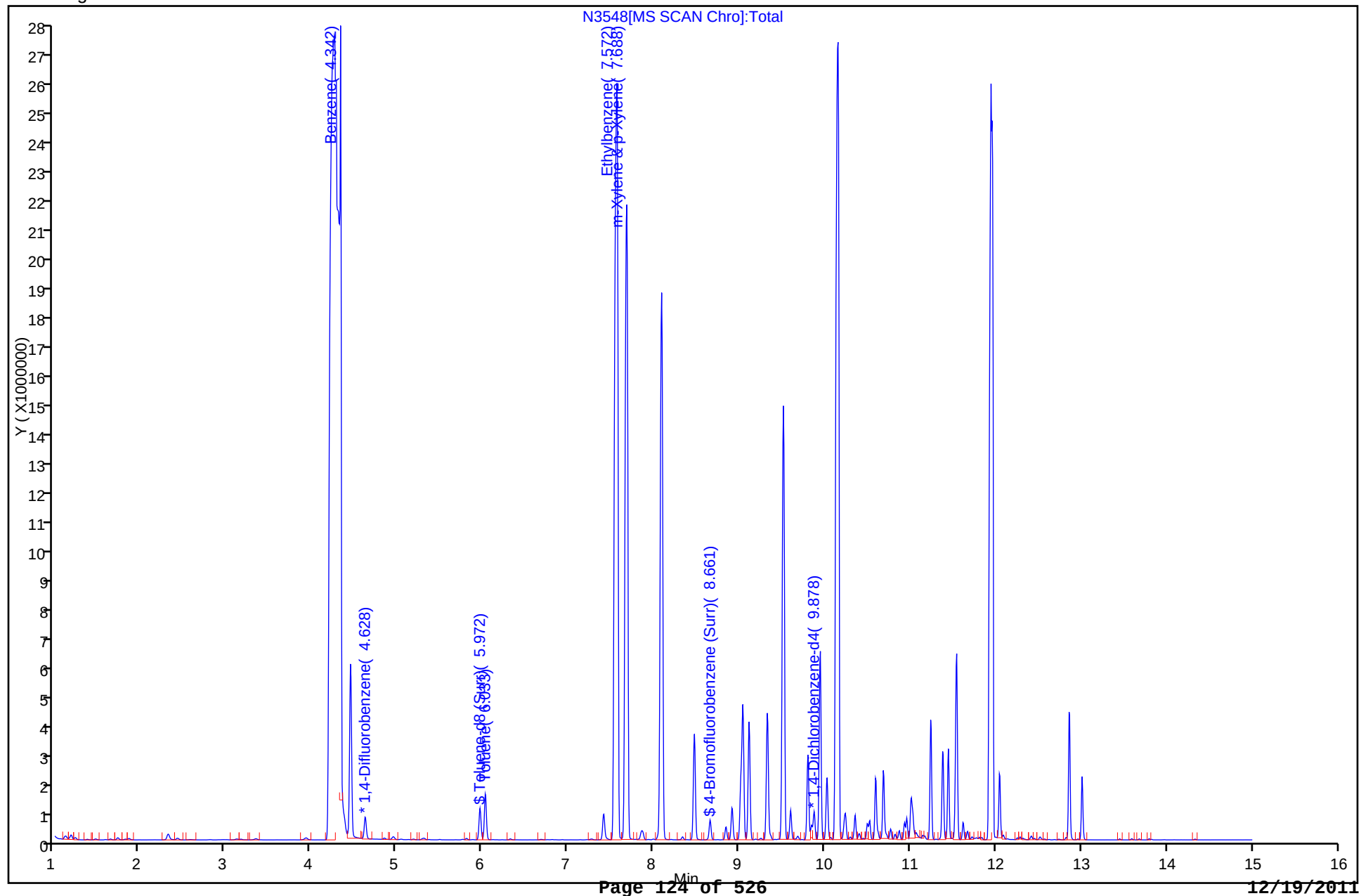
Lims Sample ID: 28

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 16-Nov-2011 14:05:12

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7564.b\N3548.D

Injection Date: 16-Nov-2011 13:18:30

Limit Group: MV - 8260B ICAL

Client ID: MW 8 DR

Instrument ID: HP5973N

Lims Batch ID: 40606

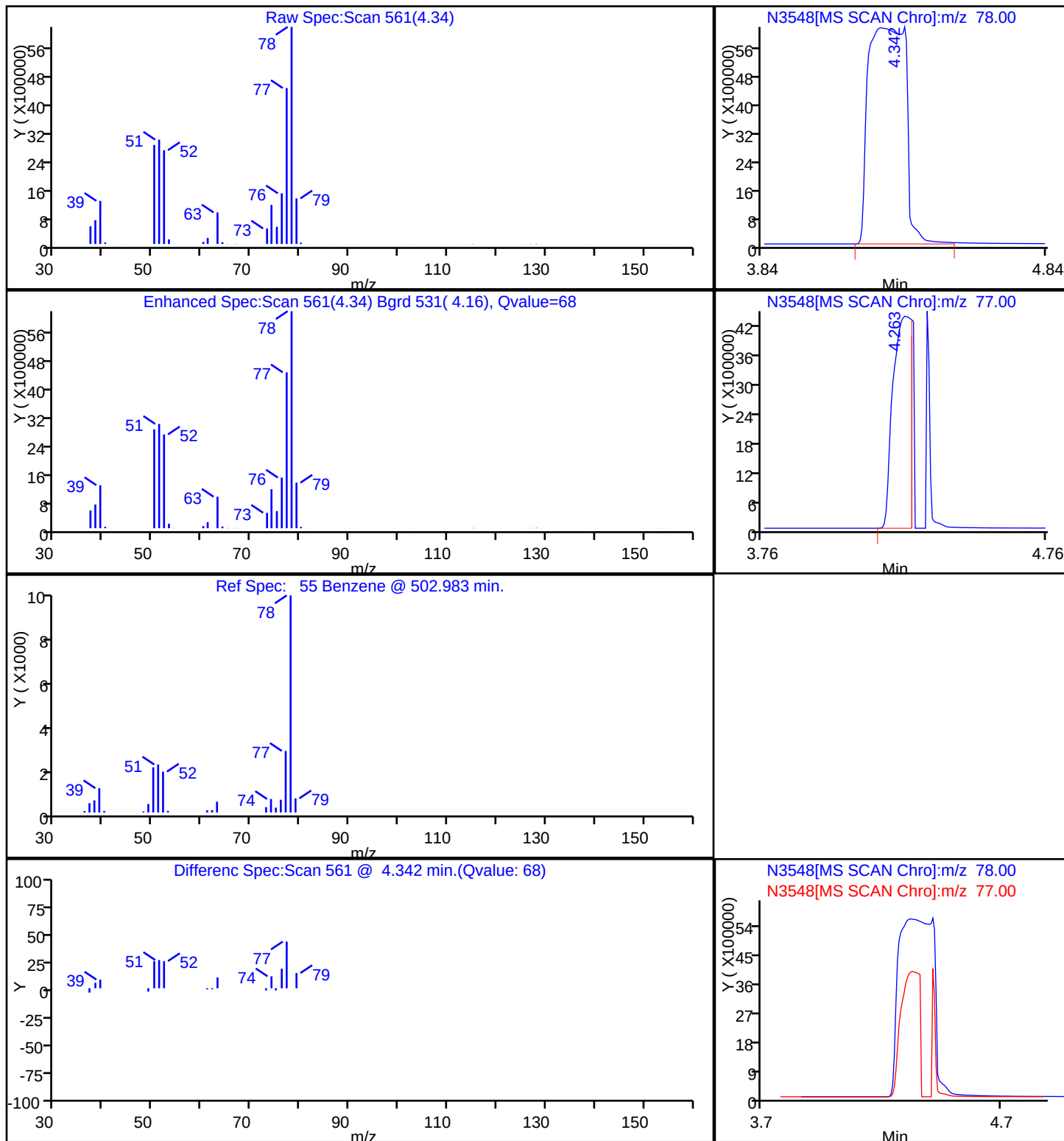
Lims Sample ID: 28

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

55 Benzene



Report Date: 16-Nov-2011 14:05:12

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7564.b\N3548.D

Injection Date: 16-Nov-2011 13:18:30

Limit Group: MV - 8260B ICAL

Client ID: MW 8 DR

Instrument ID: HP5973N

Lims Batch ID: 40606

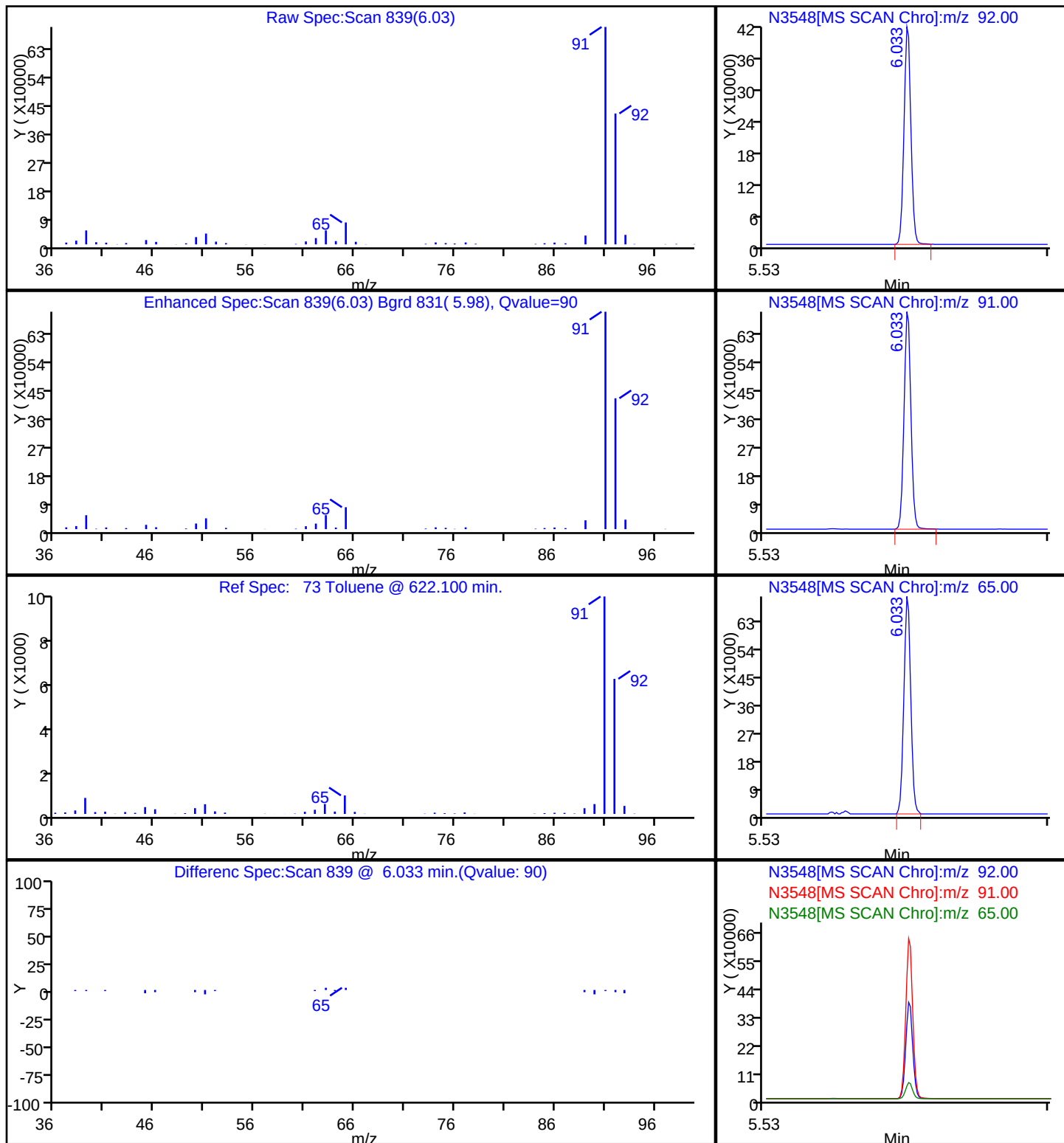
Lims Sample ID: 28

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

73 Toluene



Report Date: 16-Nov-2011 14:05:12

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7564.b\N3548.D

Injection Date: 16-Nov-2011 13:18:30

Limit Group: MV - 8260B ICAL

Client ID: MW 8 DR

Instrument ID: HP5973N

Lims Batch ID: 40606

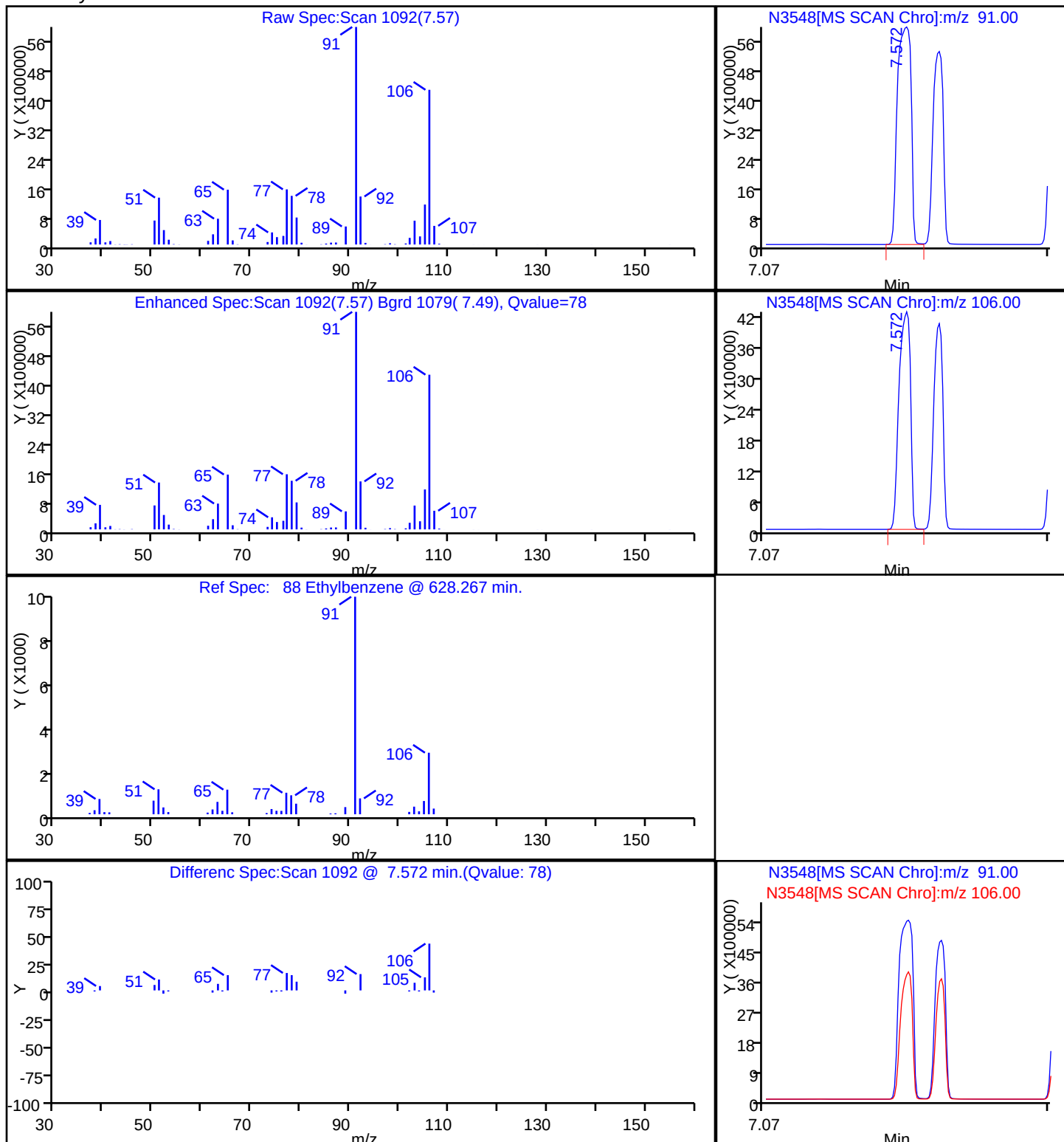
Lims Sample ID: 28

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

88 Ethylbenzene



Report Date: 16-Nov-2011 14:05:12

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7564.b\N3548.D

Injection Date: 16-Nov-2011 13:18:30

Limit Group: MV - 8260B ICAL

Client ID: MW 8 DR

Instrument ID: HP5973N

Lims Batch ID: 40606

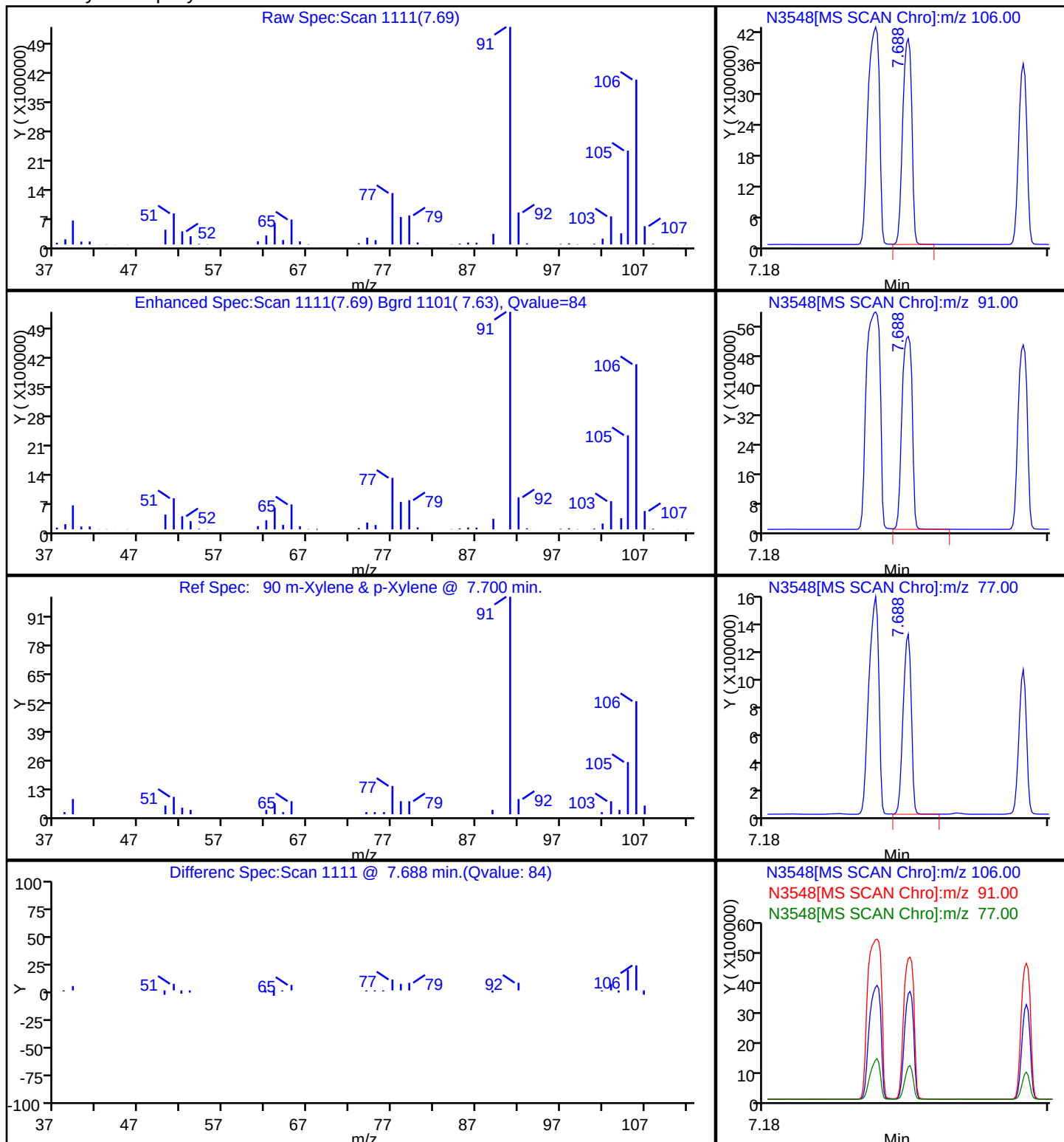
Lims Sample ID: 28

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

90 m-Xylene & p-Xylene



Report Date: 16-Nov-2011 14:05:12

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7564.b\N3548.D

Injection Date: 16-Nov-2011 13:18:30

Limit Group: MV - 8260B ICAL

Client ID: MW 8 DR

Instrument ID: HP5973N

Lims Batch ID: 40606

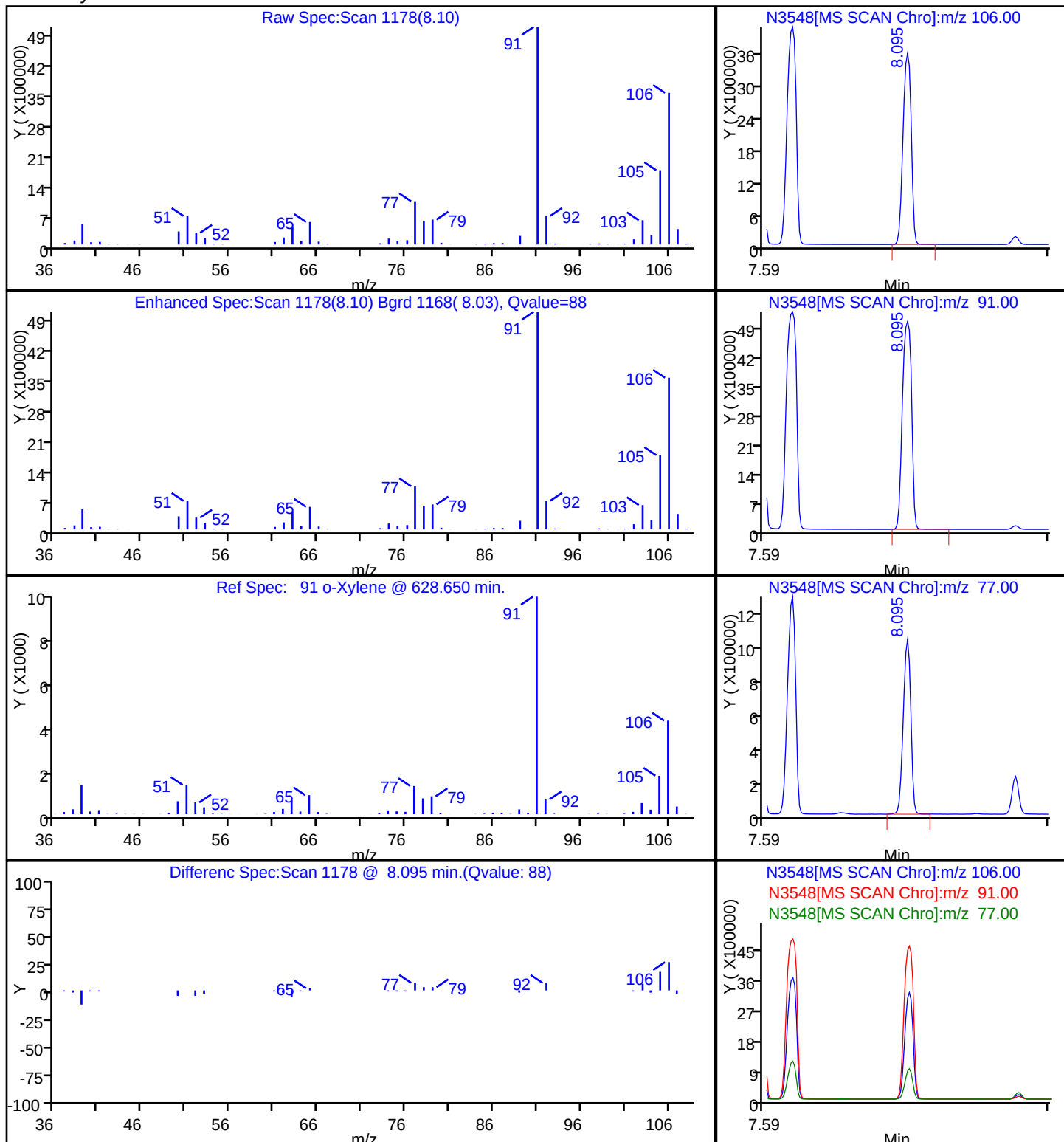
Lims Sample ID: 28

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

91 o-Xylene

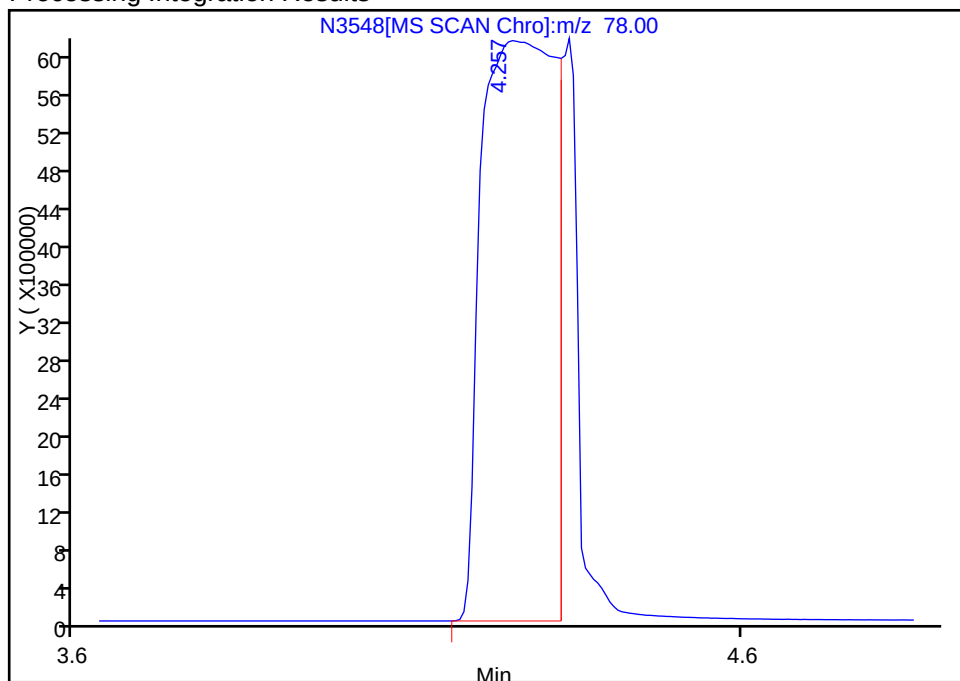


Data File: \\Bufchrom\ChromData\HP5973N\20111116-7564.b\N3548.D
Injection Date: 16-Nov-2011 13:18:30 Limit Group: MV - 8260B ICAL
Client ID: MW 8 DR Instrument ID: HP5973N
Lims Batch ID: 40606 Lims Sample ID: 28
Operator ID: LH
Column Type: ZB-624 Column Dia: 0.25 mm

55 Benzene, Signal: 1, m/z: 78.0 Type: quant, RT: 4.23

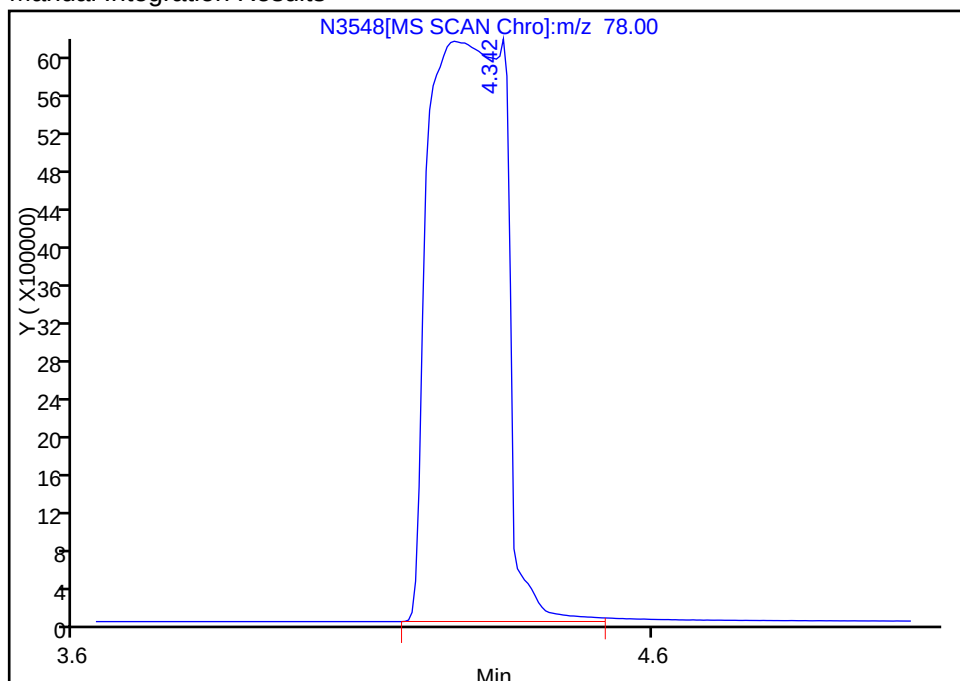
RT: 4.26
Response: 47211427
Amount: 1615.6996

Processing Integration Results



RT: 4.34
Response: 56759065
Amount: 1942.4450

Manual Integration Results



Reviewer: HillL, 16-Nov-2011 14:05:12
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1
 SDG No.: _____
 Client Sample ID: MW 8 DR DL Lab Sample ID: 480-12393-4 DL
 Matrix: Water Lab File ID: C15642.D
 Analysis Method: 8260B Date Collected: 11/04/2011 12:10
 Sample wt/vol: 5(mL) Date Analyzed: 11/18/2011 01:08
 Soil Aliquot Vol: _____ Dilution Factor: 800
 Soil Extract Vol.: _____ GC Column: ZB-624 (30) ID: 0.53(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 40985 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	47000		800	330
108-88-3	Toluene	ND		800	410
100-41-4	Ethylbenzene	2300		800	590
179601-23-1	m-Xylene & p-Xylene	1000	J	1600	530
95-47-6	o-Xylene	650	J	800	610
1330-20-7	Xylenes, Total	1700		1600	530

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		66-137
2037-26-5	Toluene-d8 (Surr)	104		71-126
460-00-4	4-Bromofluorobenzene (Surr)	112		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973C\20111117-7630.b\C15642.D
 Lims ID: 480-12393-F-4 Client ID: MW 8 DR
 Inject. Date: 18-Nov-2011 01:08:30 Dil. Factor: 800.0000
 Sample Type: Client
 Sample ID: 480-12393-F-4
 Misc. Info.: 480-0007630-006
 Operator: CDC Instrument ID: HP5973C
 Vol. Injected: 1.0000 ALS Bottle#: 1
 Lims Batch ID: 40985 Lims Sample ID: 6
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973C\20111117-7630.b\C-8260.m
 Last Update: 18-Nov-2011 00:48:12 Calib Date: 04-Nov-2011 20:26:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973C\20111104-7267.b\C15113.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: HillL

Date: 18-Nov-2011 12:21:52

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	9.455	9.454	0.001	94	460845	25.0	
* 2 Chlorobenzene-d5	82	11.826	11.826	0.0	85	228298	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.854	13.854	0.0	94	237451	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	9.194	9.182	0.012	0	83080	21.9	
\$ 5 Toluene-d8 (Surr)	98	10.652	10.652	0.0	92	521127	25.9	
\$ 6 4-Bromofluorobenzene (Surr)	174	12.775	12.775	0.0	87	174968	27.9	
57 Benzene	78	9.241	9.241	0.0	96	1321447	58.4	
74 Toluene	92		10.700					
88 Ethylbenzene	91	11.862	11.862	0.0	88	81080	2.93	
90 m-Xylene & p-Xylene	106	11.945	11.945	0.0	83	13076	1.30	
91 o-Xylene	106	12.301	12.301	0.0	65	8161	0.8133	
S 123 Total BTEX	1				0		63.5	
S 124 Xylenes, Total	1				0		2.11	

Report Date: 18-Nov-2011 12:21:52

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973C\20111117-7630.b\C15642.D

Injection Date: 18-Nov-2011 01:08:30

Limit Group: MV - 8260B ICAL

Client ID: MW 8 DR

Instrument ID: HP5973C

Lims Batch ID: 40985

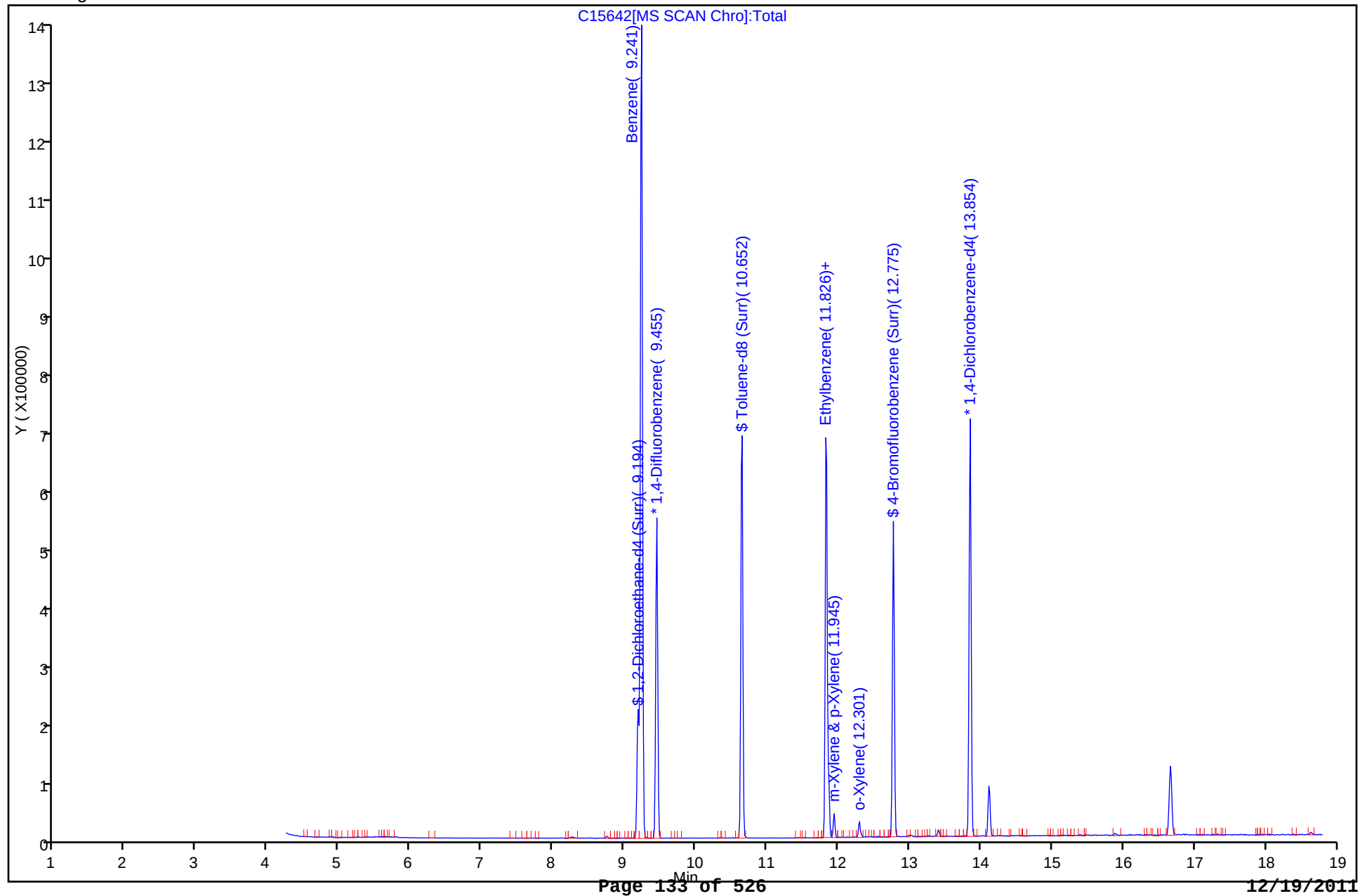
Lims Sample ID: 6

Operator ID: CDC

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 18-Nov-2011 12:21:52

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973C\20111117-7630.b\C15642.D

Injection Date: 18-Nov-2011 01:08:30

Limit Group: MV - 8260B ICAL

Client ID: MW 8 DR

Instrument ID: HP5973C

Lims Batch ID: 40985

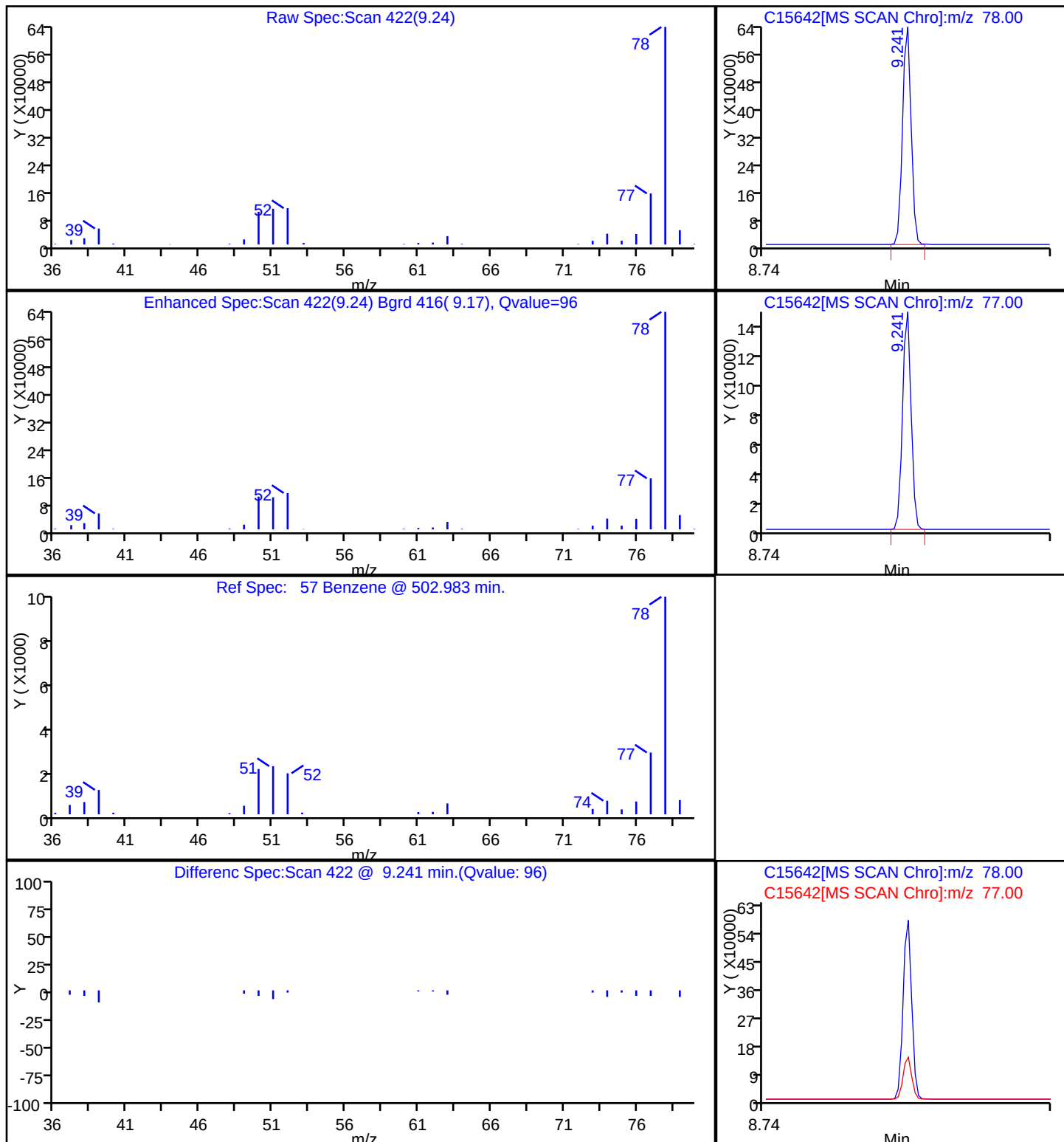
Lims Sample ID: 6

Operator ID: CDC

Column Type: ZB-624

Column Dia: 0.25 mm

57 Benzene



Report Date: 18-Nov-2011 12:21:52

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973C\20111117-7630.b\C15642.D

Injection Date: 18-Nov-2011 01:08:30

Limit Group: MV - 8260B ICAL

Client ID: MW 8 DR

Instrument ID: HP5973C

Lims Batch ID: 40985

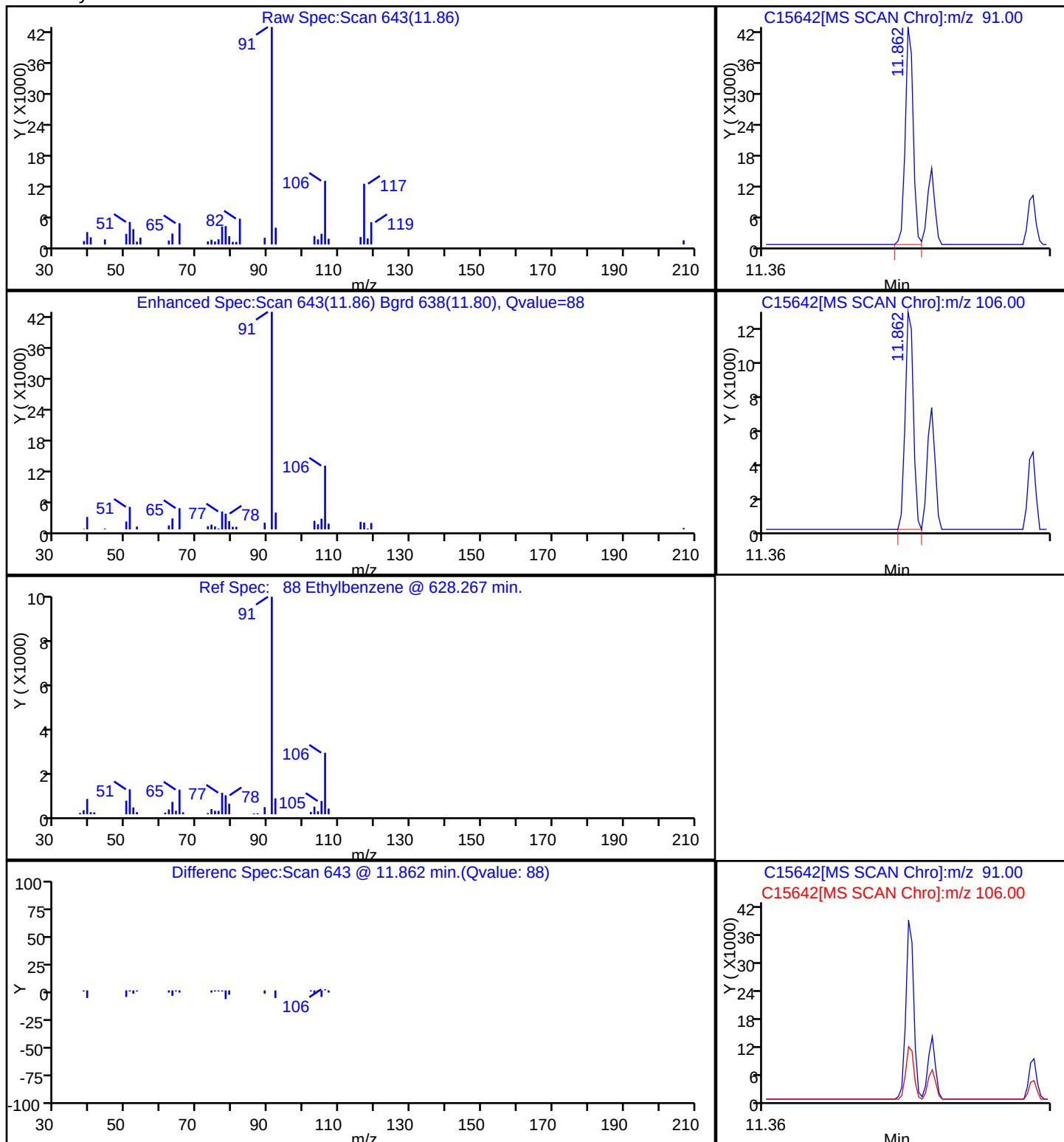
Lims Sample ID: 6

Operator ID: CDC

Column Type: ZB-624

Column Dia: 0.25 mm

88 Ethylbenzene



Report Date: 18-Nov-2011 12:21:52

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973C\20111117-7630.b\C15642.D

Injection Date: 18-Nov-2011 01:08:30

Limit Group: MV - 8260B ICAL

Client ID: MW 8 DR

Instrument ID: HP5973C

Lims Batch ID: 40985

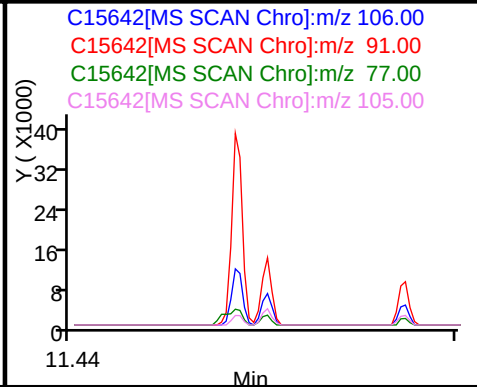
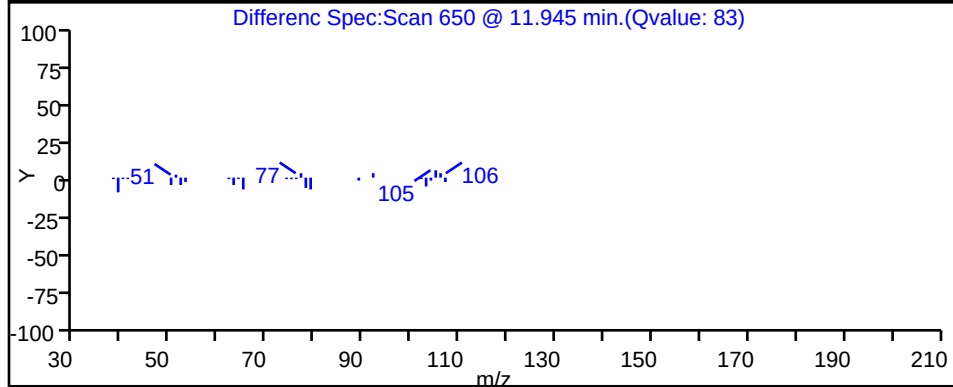
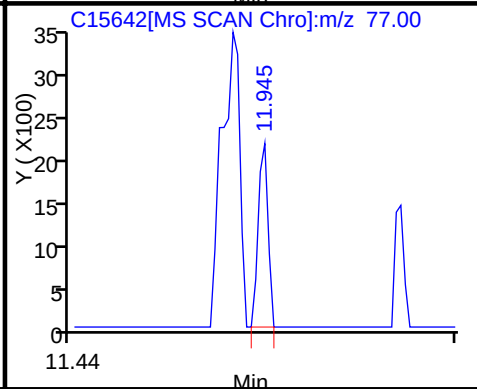
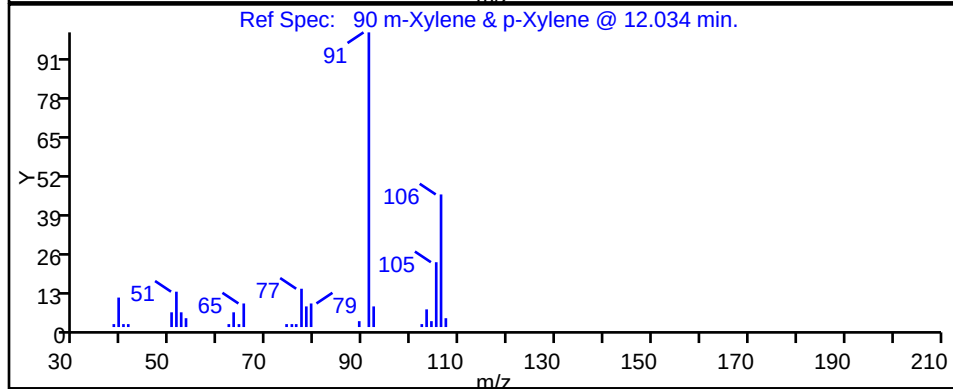
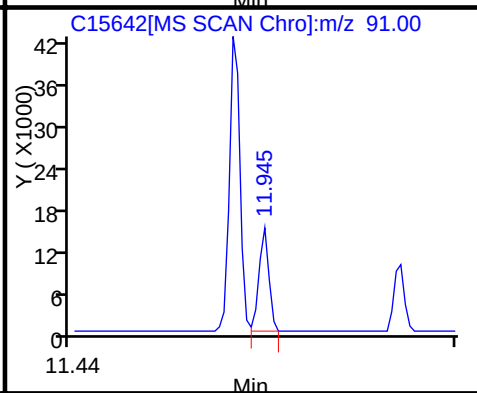
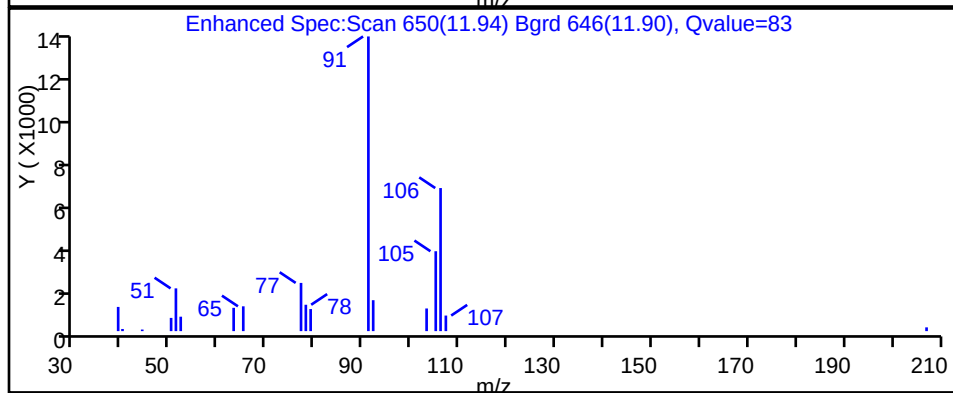
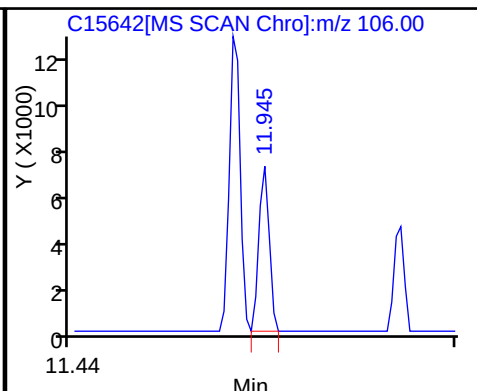
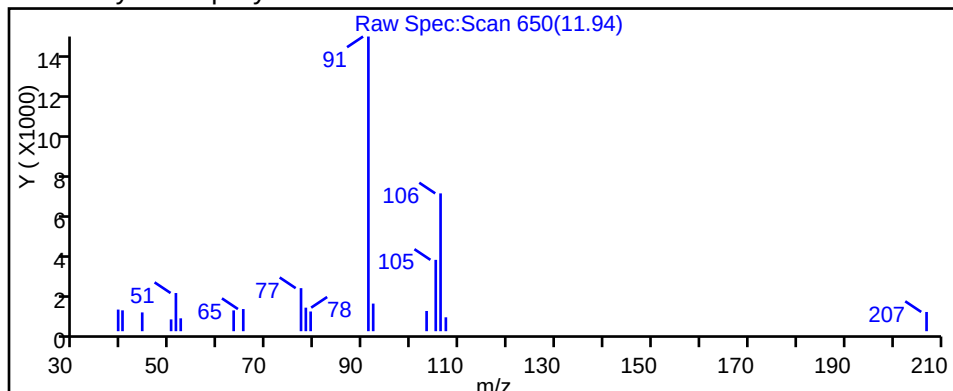
Lims Sample ID: 6

Operator ID: CDC

Column Type: ZB-624

Column Dia: 0.25 mm

90 m-Xylene & p-Xylene



Report Date: 18-Nov-2011 12:21:52

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973C\20111117-7630.b\C15642.D

Injection Date: 18-Nov-2011 01:08:30

Limit Group: MV - 8260B ICAL

Client ID: MW 8 DR

Instrument ID: HP5973C

Lims Batch ID: 40985

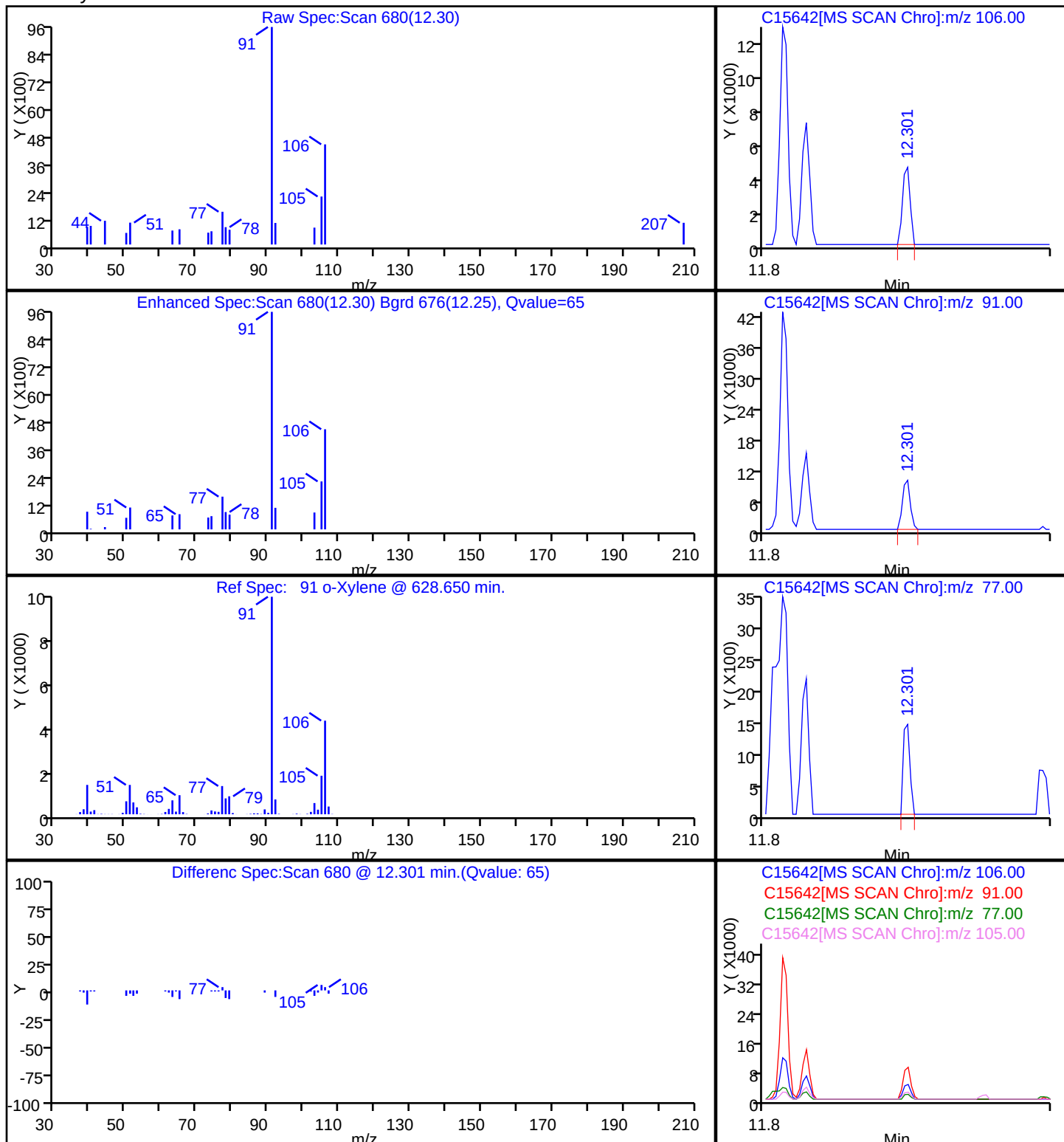
Lims Sample ID: 6

Operator ID: CDC

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.: 480-12393-1
 SDG No.: _____
 Client Sample ID: EB-1 Lab Sample ID: 480-12393-5
 Matrix: Water Lab File ID: N3587.D
 Analysis Method: 8260B Date Collected: 11/04/2011 12:00
 Sample wt/vol: 5(mL) Date Analyzed: 11/17/2011 04:37
 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.: 40801 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		66-137
2037-26-5	Toluene-d8 (Surr)	106		71-126
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7595.b\N3587.D
 Lims ID: 480-12393-E-5 Client ID: EB-1
 Inject. Date: 17-Nov-2011 04:37:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-12393-E-5
 Misc. Info.: 480-0007595-022
 Operator: CDC Instrument ID: HP5973N
 Vol. Injected: 1.0000 ALS Bottle#: 16
 Lims Batch ID: 40801 Lims Sample ID: 22
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20111116-7595.b\N-8260.m
 Last Update: 16-Nov-2011 23:33:21 Calib Date: 19-Oct-2011 15:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20111019-6796.b\N2257.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: HillL

Date: 17-Nov-2011 12:10:35

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.591	4.585	0.006	90	632655	25.0	
* 2 Chlorobenzene-d5	117	7.384	7.384	0.0	83	542441	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.848	9.847	0.001	92	274716	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.196	4.196	0.0	0	180364	21.9	
\$ 6 Toluene-d8 (Surr)	98	5.942	5.936	0.006	82	725967	26.5	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.631	8.631	0.0	92	214754	24.9	
55 Benzene	78		4.202					
73 Toluene	92		6.003					
88 Ethylbenzene	91		7.517					
90 m-Xylene & p-Xylene	106		7.639					
91 o-Xylene	106		8.053					
S 125 Total BTEX	1		30.000					7
S 126 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Report Date: 17-Nov-2011 12:10:35

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7595.b\N3587.D

Injection Date: 17-Nov-2011 04:37:30

Limit Group: MV - 8260B ICAL

Client ID: EB-1

Instrument ID: HP5973N

Lims Batch ID: 40801

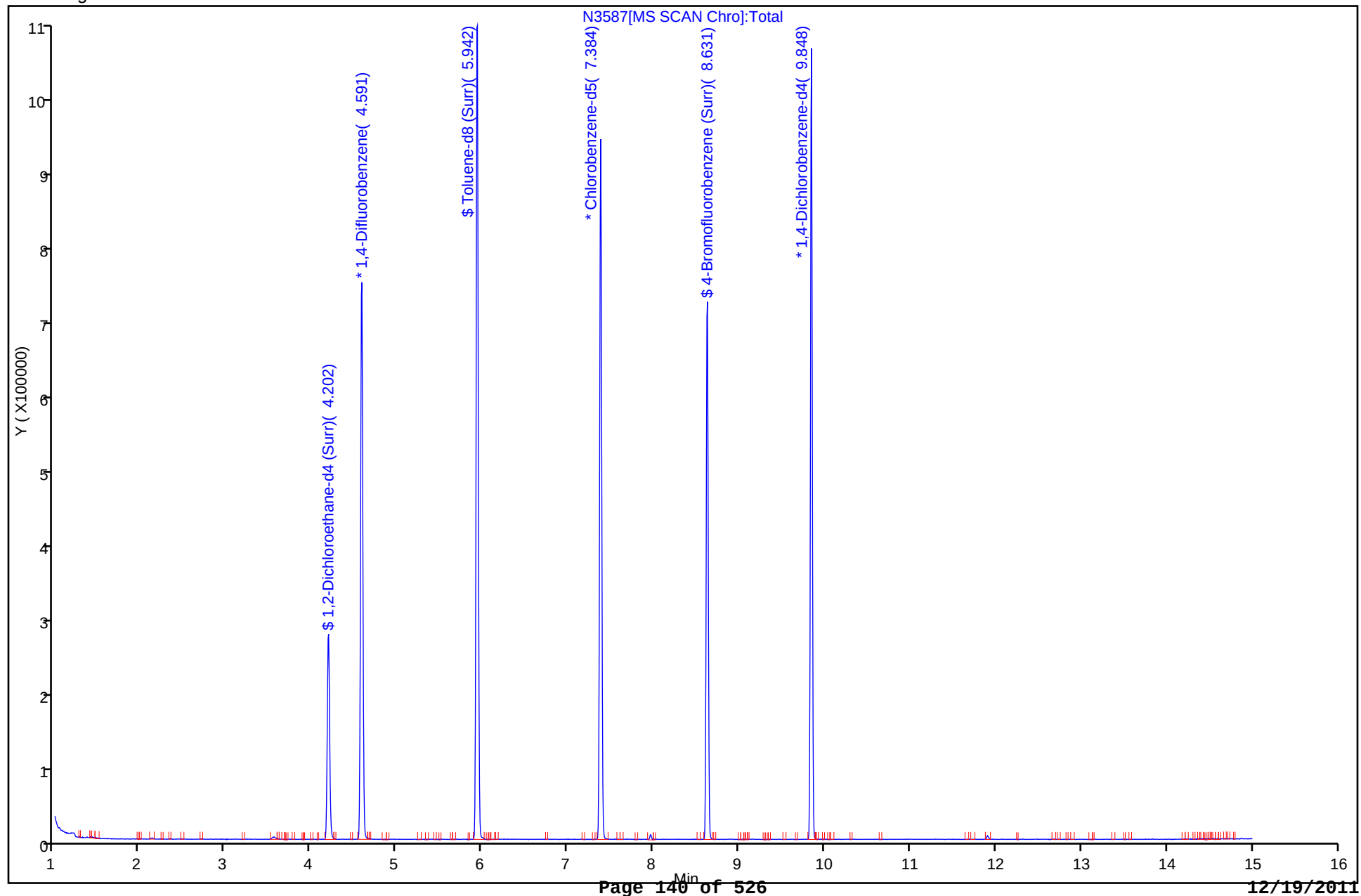
Lims Sample ID: 22

Operator ID: CDC

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



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

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1 Analy Batch No.: 38908

SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 13:41 Calibration End Date: 11/04/2011 15:47 Calibration ID: 4664

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-38908/2	C15097.D
Level 2	STD 480-38908/3	C15098.D
Level 3	STD 480-38908/4	C15099.D
Level 4	STD 480-38908/5	C15100.D
Level 5	STD 480-38908/6	C15101.D
Level 6	STD 480-38908/7	C15102.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	0.3522 0.3421	0.3714	0.3536	0.3659	0.3118	Ave		0.3495				6.1		15.0			
Chloromethane	0.5473 0.4285	0.4891	0.4691	0.4590	0.3926	Ave		0.4643			0.1000	11.0		15.0			
Vinyl chloride	0.4401 0.4057	0.4469	0.4243	0.4298	0.3700	Ave		0.4195				6.7		30.0			
Bromomethane	0.3168 0.2424	0.2722	0.2554	0.2533	0.2193	Ave		0.2599				13.0		15.0			
Chloroethane	0.2953 0.2571	0.2855	0.2703	0.2650	0.2338	Ave		0.2678				8.1		15.0			
Trichlorofluoromethane	0.4956 0.4853	0.5299	0.4953	0.5098	0.4436	Ave		0.4932				5.8		15.0			
Acrolein	0.0391 0.0425	0.0413	0.0409	0.0427	0.0391	Ave		0.0409				3.9		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2312 0.2698	0.2747	0.2762	0.2759	0.2400	Ave		0.2613				7.7		15.0			
1,1-Dichloroethene	0.3297 0.2759	0.3055	0.2866	0.2923	0.2512	Ave		0.2902				9.2		30.0			
Acetone	0.1155 0.1033	0.1060	0.1077	0.1074	0.0961	Ave		0.1060				6.0		15.0			
Iodomethane	0.3125 0.3276	0.3334	0.3308	0.3323	0.2958	Ave		0.3220				4.6		15.0			
Carbon disulfide	0.8057 0.8293	0.8696	0.8479	0.8474	0.7452	Ave		0.8242				5.4		15.0			
Methyl acetate	0.4771 0.4463	0.4574	0.4640	0.4462	0.4171	Ave		0.4513				4.5		15.0			
Acetonitrile	0.0305 0.0243	0.0257	0.0261	0.0258	0.0228	Ave		0.0259				10.0		15.0			
Methylene Chloride	0.3625 0.3176	0.3405	0.3344	0.3286	0.2893	Ave		0.3288				7.4		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1 Analy Batch No.: 38908

SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 13:41 Calibration End Date: 11/04/2011 15:47 Calibration ID: 4664

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	0.8611 0.8924	0.8621	0.8685	0.8954	0.8083	Ave		0.8646				3.6		15.0			
Acrylonitrile	0.1303 0.1377	0.1342	0.1338	0.1391	0.1287	Ave		0.1340				3.0		15.0			
trans-1,2-Dichloroethene	0.3361 0.3093	0.3289	0.3284	0.3202	0.2824	Ave		0.3175				6.1		15.0			
Vinyl acetate	0.4922 0.5543	0.5208	0.5295	0.5546	0.5166	Ave		0.5280				4.5		15.0			
1,1-Dichloroethane	0.6766 0.6226	0.6689	0.6492	0.6511	0.5710	Ave		0.6399			0.1000	6.0		15.0			
2-Butanone (MEK)	0.1566 0.1560	0.1518	0.1557	0.1570	0.1459	Ave		0.1538				2.8		15.0			
2,2-Dichloropropane	0.5107 0.4817	0.4975	0.4879	0.4970	0.4361	Ave		0.4852				5.4		15.0			
cis-1,2-Dichloroethene	0.3736 0.3438	0.3576	0.3550	0.3592	0.3150	Ave		0.3507				5.7		15.0			
Bromochloromethane	0.1824 0.1681	0.1791	0.1737	0.1735	0.1541	Ave		0.1718				5.8		15.0			
Tetrahydrofuran	0.1002 0.0977	0.0957	0.0973	0.0999	0.0909	Ave		0.0970				3.5		15.0			
Chloroform	0.8591 0.5663	0.6683	0.6062	0.5988	0.5268	Ave		0.6376				19.0		30.0			
1,1,1-Trichloroethane	0.5264 0.5135	0.5336	0.5202	0.5351	0.4666	Ave		0.5159				4.9		15.0			
Cyclohexane	0.5649 0.5900	0.6008	0.6082	0.6113	0.5304	Ave		0.5843				5.4		15.0			
1,1-Dichloropropene	0.4693 0.4346	0.4669	0.4373	0.4524	0.3989	Ave		0.4432				5.9		15.0			
Carbon tetrachloride	0.4748 0.4567	0.4688	0.4515	0.4695	0.4117	Ave		0.4555				5.1		15.0			
Benzene	1.3141 1.1855	1.2908	1.2351	1.2445	1.0935	Ave		1.2272				6.5		15.0			
1,2-Dichloroethane	0.6029 0.5308	0.5699	0.5580	0.5645	0.4923	Ave		0.5531				6.8		15.0			
Trichloroethene	0.3788 0.3317	0.3582	0.3391	0.3363	0.3028	Ave		0.3411				7.5		15.0			
Methylcyclohexane	0.4238 0.4496	0.4613	0.4499	0.4563	0.4020	Ave		0.4405				5.2		15.0			
1,2-Dichloropropane	0.4071 0.3549	0.3721	0.3699	0.3678	0.3275	Ave		0.3666				7.1		30.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1 Analy Batch No.: 38908

SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 13:41 Calibration End Date: 11/04/2011 15:47 Calibration ID: 4664

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	0.2343 0.2123	0.2128	0.2211	0.2176	0.1946	Ave		0.2154				6.0		15.0			
Bromodichloromethane	0.4687 0.4492	0.4445	0.4444	0.4506	0.4075	Ave		0.4441				4.5		15.0			
2-Chloroethyl vinyl ether	0.2009 0.2267	0.2135	0.2210	0.2250	0.2105	Ave		0.2163				4.6		15.0			
cis-1,3-Dichloropropene	0.5649 0.5286	0.5075	0.5227	0.5218	0.4801	Ave		0.5209				5.3		15.0			
4-Methyl-2-pentanone (MIBK)	0.6045 0.6418	0.6286	0.6498	0.6514	0.6003	Ave		0.6294				3.6		15.0			
Toluene	1.6718 1.4823	1.5993	1.5558	1.5267	1.3536	Ave		1.5316				7.1		30.0			
Ethyl methacrylate	0.5655 0.7626	0.6540	0.6668	0.7209	0.6890	Ave		0.6765				9.9		15.0			
trans-1,3-Dichloropropene	1.0654 0.9750	0.9381	0.9580	0.9477	0.8882	Ave		0.9621				6.1		15.0			
1,1,2-Trichloroethane	0.5691 0.4639	0.4864	0.4842	0.4744	0.4265	Ave		0.4841				9.7		15.0			
2-Hexanone	0.4193 0.4551	0.4322	0.4546	0.4488	0.4253	Ave		0.4392				3.6		15.0			
Tetrachloroethene	0.6576 0.6011	0.6763	0.6301	0.6384	0.5543	Ave		0.6263				6.9		15.0			
1,3-Dichloropropane	1.1411 0.9653	1.0322	1.0185	0.9860	0.8940	Ave		1.0062				8.2		15.0			
Dibromochloromethane	0.6939 0.6657	0.6306	0.6269	0.6388	0.5934	Ave		0.6415				5.4		15.0			
1,2-Dibromoethane	0.6747 0.5691	0.5986	0.5908	0.5741	0.5244	Ave		0.5886				8.4		15.0			
Chlorobenzene	2.0530 1.6657	1.8228	1.7439	1.7255	1.5349	Ave		1.7576			0.3000	9.9		15.0			
Ethylbenzene	3.4976 2.8555	3.1639	3.0548	2.9875	2.6318	Ave		3.0318				9.7		30.0			
1,1,1,2-Tetrachloroethane	0.6976 0.6468	0.6268	0.6420	0.6443	0.5790	Ave		0.6394				6.0		15.0			
m-Xylene & p-Xylene	1.1922 1.0691	1.1464	1.1236	1.1057	0.9858	Ave		1.1038				6.4		15.0			
o-Xylene	1.2360 1.0621	1.1271	1.1023	1.0907	0.9752	Ave		1.0989				7.8		15.0			
Styrene	2.0599 1.7994	1.8600	1.8587	1.8349	1.6585	Ave		1.8452				7.0		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1 Analy Batch No.: 38908

SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 13:41 Calibration End Date: 11/04/2011 15:47 Calibration ID: 4664

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								
Isopropylbenzene	3.3217 2.9048	3.2098	3.0491	3.0223	2.6865	Ave		3.0324				7.4		15.0			
Bromoform	0.4266 0.4312	0.3945	0.3862	0.4010	0.3833	Ave		0.4038			0.1000	5.1		15.0			
1,1,2,2-Tetrachloroethane	0.8975 0.7783	0.8115	0.8097	0.7982	0.7282	Ave		0.8039			0.3000	6.9		15.0			
trans-1,4-Dichloro-2-butene	0.2492 0.2759	0.2671	0.2670	0.2723	0.2552	Ave		0.2645				3.9		15.0			
N-Propylbenzene	4.2992 3.6878	4.0310	3.8819	3.8918	3.4334	Ave		3.8709				7.6		15.0			
1,2,3-Trichloropropane	0.3061 0.2364	0.2485	0.2531	0.2447	0.2232	Ave		0.2520				11.0		15.0			
Bromobenzene	0.8973 0.7738	0.8362	0.8123	0.8003	0.7110	Ave		0.8051				7.7		15.0			
1,3,5-Trimethylbenzene	2.8393 2.4368	2.5990	2.5625	2.5406	2.2443	Ave		2.5371				7.7		15.0			
2-Chlorotoluene	0.8508 0.7266	0.7806	0.7766	0.7593	0.6667	Ave		0.7601				8.1		15.0			
4-Chlorotoluene	0.8509 0.7544	0.8204	0.7901	0.7868	0.6967	Ave		0.7832				6.8		15.0			
tert-Butylbenzene	0.5673 0.5030	0.5342	0.5205	0.5145	0.4593	Ave		0.5165				6.9		15.0			
1,2,4-Trimethylbenzene	2.8578 2.5172	2.6959	2.6579	2.6059	2.3225	Ave		2.6095				6.9		15.0			
sec-Butylbenzene	3.2238 2.8613	3.1170	2.9733	2.9921	2.6291	Ave		2.9661				7.0		15.0			
4-Isopropyltoluene	2.6248 2.4391	2.5847	2.4767	2.5001	2.2418	Ave		2.4779				5.4		15.0			
1,3-Dichlorobenzene	1.7084 1.4256	1.5763	1.5139	1.4902	1.3254	Ave		1.5066				8.7		15.0			
1,4-Dichlorobenzene	1.8179 1.4561	1.6228	1.5567	1.5129	1.3457	Ave		1.5520				10.0		15.0			
n-Butylbenzene	2.5114 2.1883	2.3487	2.2573	2.2553	2.0238	Ave		2.2642				7.2		15.0			
1,2-Dichlorobenzene	1.6467 1.3882	1.5026	1.4662	1.4360	1.2817	Ave		1.4535				8.4		15.0			
1,2-Dibromo-3-Chloropropane	0.1599 0.1558	0.1569	0.1534	0.1549	0.1397	Ave		0.1534				4.6		15.0			
1,2,4-Trichlorobenzene	0.9361 0.9617	0.9496	0.9592	0.9729	0.8734	Ave		0.9421				3.8		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1 Analy Batch No.: 38908

SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 13:41 Calibration End Date: 11/04/2011 15:47 Calibration ID: 4664

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	0.3475 0.3062	0.3392	0.3244	0.3153	0.2805	Ave		0.3189				7.6		15.0			
Naphthalene	2.4727 2.5418	2.3513	2.3962	2.4804	2.2957	Ave		2.4230				3.8		15.0			
1,2,3-Trichlorobenzene	0.8761 0.8913	0.8487	0.8747	0.8939	0.8098	Ave		0.8658				3.7		15.0			
1,2-Dichloroethane-d4 (Surr)	0.1883 0.2114	0.2106	0.2194	0.2107	0.1957	Lin2F		0.2060							0.9960		0.9900
Toluene-d8 (Surr)	2.1109 2.2219	2.2009	2.3281	2.2922	2.0716	Lin2F		2.2042							0.9980		0.9900
4-Bromofluorobenzene (Surr)	0.7677 0.6811	0.6636	0.7024	0.6785	0.6304	Lin2F		0.6873							0.9940		0.9900

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.: 480-12393-1 Analy Batch No.: 38908

SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 13:41 Calibration End Date: 11/04/2011 15:47 Calibration ID: 4664

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-38908/2	C15097.D
Level 2	STD 480-38908/3	C15098.D
Level 3	STD 480-38908/4	C15099.D
Level 4	STD 480-38908/5	C15100.D
Level 5	STD 480-38908/6	C15101.D
Level 6	STD 480-38908/7	C15102.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	9725 856176	46192	87660	223791	430314	1.00 100	5.00	10.0	25.0	50.0
Chloromethane	DFB	Ave	15109 1072600	60825	116318	280740	541863	1.00 100	5.00	10.0	25.0	50.0
Vinyl chloride	DFB	Ave	12150 1015525	55577	105195	262894	510744	1.00 100	5.00	10.0	25.0	50.0
Bromomethane	DFB	Ave	8747 606651	33855	63324	154938	302658	1.00 100	5.00	10.0	25.0	50.0
Chloroethane	DFB	Ave	8153 643483	35511	67013	162077	322699	1.00 100	5.00	10.0	25.0	50.0
Trichlorofluoromethane	DFB	Ave	13682 1214730	65896	122798	311816	612249	1.00 100	5.00	10.0	25.0	50.0
Acrolein	DFB	Ave	21589 2126854	102673	203017	522231	1078278	20.0 2000	100	200	500	1000
1,1,2-Trichloro-1,2,2-trifluoroethane	DFB	Ave	6383 675219	34161	68483	168749	331328	1.00 100	5.00	10.0	25.0	50.0
1,1-Dichloroethene	DFB	Ave	9102 690538	37989	71052	178764	346701	1.00 100	5.00	10.0	25.0	50.0
Acetone	DFB	Ave	15940 1292939	65913	133521	328490	663438	5.00 500	25.0	50.0	125	250
Iodomethane	DFB	Ave	8627 819862	41460	82007	203239	408277	1.00 100	5.00	10.0	25.0	50.0
Carbon disulfide	DFB	Ave	22245 2075544	108145	210236	518258	1028640	1.00 100	5.00	10.0	25.0	50.0
Methyl acetate	DFB	Ave	13171 1117126	56881	115055	272894	575659	1.00 100	5.00	10.0	25.0	50.0
Acetonitrile	DFB	Ave	33732 2428821	128003	258825	630450	1259869	40.0 4000	200	400	1000	2000
Methylene Chloride	DFB	Ave	10009 794978	42348	82916	200975	399319	1.00 100	5.00	10.0	25.0	50.0
Methyl tert-butyl ether	DFB	Ave	23774 2233563	107217	215331	547635	1115736	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.: 480-12393-1 Analy Batch No.: 38908

SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 13:41 Calibration End Date: 11/04/2011 15:47 Calibration ID: 4664

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
Acrylonitrile	DFB	Ave	17987 1723207	83419	165846	425426	888135	5.00 500	25.0	50.0	125	250
trans-1,2-Dichloroethene	DFB	Ave	9279 774055	40905	81423	195834	389744	1.00 100	5.00	10.0	25.0	50.0
Vinyl acetate	DFB	Ave	67939 6936218	323847	656399	1696001	3565564	5.00 500	25.0	50.0	125	250
1,1-Dichloroethane	DFB	Ave	18679 1558257	83184	160957	398214	788124	1.00 100	5.00	10.0	25.0	50.0
2-Butanone (MEK)	DFB	Ave	21613 1951705	94403	192993	480126	1006837	5.00 500	25.0	50.0	125	250
2,2-Dichloropropane	DFB	Ave	14101 1205653	61877	120967	303949	601955	1.00 100	5.00	10.0	25.0	50.0
cis-1,2-Dichloroethene	DFB	Ave	10316 860409	44469	88018	219675	434835	1.00 100	5.00	10.0	25.0	50.0
Bromochloromethane	DFB	Ave	5035 420849	22277	43056	106135	212721	1.00 100	5.00	10.0	25.0	50.0
Tetrahydrofuran	DFB	Ave	13833 1222740	59517	120681	305471	627533	5.00 500	25.0	50.0	125	250
Chloroform	DFB	Ave	23718 1417371	83118	150300	366254	727176	1.00 100	5.00	10.0	25.0	50.0
1,1,1-Trichloroethane	DFB	Ave	14534 1285140	66366	128978	327268	644075	1.00 100	5.00	10.0	25.0	50.0
Cyclohexane	DFB	Ave	15596 1476761	74720	150793	373882	732085	1.00 100	5.00	10.0	25.0	50.0
1,1-Dichloropropene	DFB	Ave	12956 1087850	58061	108435	276693	550537	1.00 100	5.00	10.0	25.0	50.0
Carbon tetrachloride	DFB	Ave	13108 1142974	58301	111942	287173	568316	1.00 100	5.00	10.0	25.0	50.0
Benzene	DFB	Ave	36282 2967318	160526	306228	761125	1509310	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloroethane	DFB	Ave	16645 1328568	70880	138349	345269	679536	1.00 100	5.00	10.0	25.0	50.0
Trichloroethene	DFB	Ave	10459 830238	44545	84065	205692	417880	1.00 100	5.00	10.0	25.0	50.0
Methylcyclohexane	DFB	Ave	11701 1125332	57373	111556	279092	554912	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloropropane	DFB	Ave	11240 888397	46282	91711	224929	452060	1.00 100	5.00	10.0	25.0	50.0
Dibromomethane	DFB	Ave	6468 531388	26471	54814	133069	268535	1.00 100	5.00	10.0	25.0	50.0
Bromodichloromethane	DFB	Ave	12939 1124213	55275	110175	275561	562448	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.: 480-12393-1 Analy Batch No.: 38908

SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 13:41 Calibration End Date: 11/04/2011 15:47 Calibration ID: 4664

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	27731 2837304	132760	274019	688128	1452622	5.00 500	25.0	50.0	125	250
cis-1,3-Dichloropropene	DFB	Ave	15595 1322963	63115	129594	319132	662691	1.00 100	5.00	10.0	25.0	50.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	42288 4114600	196983	409685	1019559	2126262	5.00 500	25.0	50.0	125	250
Toluene	CBZ	Ave	23389 1900490	100238	196163	477939	958946	1.00 100	5.00	10.0	25.0	50.0
Ethyl methacrylate	CBZ	Ave	7912 977724	40992	84076	225692	488104	1.00 100	5.00	10.0	25.0	50.0
trans-1,3-Dichloropropene	CBZ	Ave	14905 1250135	58796	120792	296688	629192	1.00 100	5.00	10.0	25.0	50.0
1,1,2-Trichloroethane	CBZ	Ave	7962 594747	30485	61056	148503	302117	1.00 100	5.00	10.0	25.0	50.0
2-Hexanone	CBZ	Ave	29332 2917288	135445	286573	702528	1506614	5.00 500	25.0	50.0	125	250
Tetrachloroethene	CBZ	Ave	9200 770722	42390	79443	199868	392696	1.00 100	5.00	10.0	25.0	50.0
1,3-Dichloropropane	CBZ	Ave	15964 1237668	64693	128421	308661	633339	1.00 100	5.00	10.0	25.0	50.0
Dibromochloromethane	CBZ	Ave	9708 853495	39525	79044	199993	420346	1.00 100	5.00	10.0	25.0	50.0
1,2-Dibromoethane	CBZ	Ave	9439 729663	37521	74489	179711	371521	1.00 100	5.00	10.0	25.0	50.0
Chlorobenzene	CBZ	Ave	28723 2135653	114245	219884	540186	1087342	1.00 100	5.00	10.0	25.0	50.0
Ethylbenzene	CBZ	Ave	48933 3661175	198307	385172	935259	1864402	1.00 100	5.00	10.0	25.0	50.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	9760 829367	39283	80944	201692	410178	1.00 100	5.00	10.0	25.0	50.0
m-Xylene & p-Xylene	CBZ	Ave	33360 2741465	143704	283356	692275	1396704	2.00 200	10.0	20.0	50.0	100
o-Xylene	CBZ	Ave	17292 1361812	70646	138986	341432	690842	1.00 100	5.00	10.0	25.0	50.0
Styrene	CBZ	Ave	28819 2307089	116579	234355	574417	1174897	1.00 100	5.00	10.0	25.0	50.0
Isopropylbenzene	DCB	Ave	42743 3486534	184178	356062	880274	1767595	1.00 100	5.00	10.0	25.0	50.0
Bromoform	CBZ	Ave	5969 552808	24727	48695	125531	271547	1.00 100	5.00	10.0	25.0	50.0
1,1,2,2-Tetrachloroethane	DCB	Ave	11549 934148	46563	94549	232484	479120	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.: 480-12393-1 Analy Batch No.: 38908

SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 13:41 Calibration End Date: 11/04/2011 15:47 Calibration ID: 4664

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-1,4-Dichloro-2-butene	DCB	Ave	16034 1655641	76635	155897	396597	839544	5.00 500	25.0	50.0	125	250
N-Propylbenzene	DCB	Ave	55322 4426321	231297	453319	1133536	2259015	1.00 100	5.00	10.0	25.0	50.0
1,2,3-Trichloropropane	DCB	Ave	3939 283759	14258	29556	71282	146856	1.00 100	5.00	10.0	25.0	50.0
Bromobenzene	DCB	Ave	11546 928712	47981	94858	233099	467829	1.00 100	5.00	10.0	25.0	50.0
1,3,5-Trimethylbenzene	DCB	Ave	36536 2924796	149131	299242	739987	1476638	1.00 100	5.00	10.0	25.0	50.0
2-Chlorotoluene	DCB	Ave	10948 872088	44792	90691	221161	438630	1.00 100	5.00	10.0	25.0	50.0
4-Chlorotoluene	DCB	Ave	10949 905441	47074	92262	229153	458397	1.00 100	5.00	10.0	25.0	50.0
tert-Butylbenzene	DCB	Ave	7300 603719	30654	60786	149856	302221	1.00 100	5.00	10.0	25.0	50.0
1,2,4-Trimethylbenzene	DCB	Ave	36774 3021302	154689	310376	759009	1528094	1.00 100	5.00	10.0	25.0	50.0
sec-Butylbenzene	DCB	Ave	41483 3434256	178849	347210	871495	1729804	1.00 100	5.00	10.0	25.0	50.0
4-Isopropyltoluene	DCB	Ave	33776 2927556	148306	289220	728195	1474991	1.00 100	5.00	10.0	25.0	50.0
1,3-Dichlorobenzene	DCB	Ave	21984 1711044	90448	176787	434030	872017	1.00 100	5.00	10.0	25.0	50.0
1,4-Dichlorobenzene	DCB	Ave	23393 1747726	93115	181786	440644	885372	1.00 100	5.00	10.0	25.0	50.0
n-Butylbenzene	DCB	Ave	32317 2626569	134769	263604	656875	1331579	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichlorobenzene	DCB	Ave	21189 1666162	86217	171213	418245	843292	1.00 100	5.00	10.0	25.0	50.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	2058 187060	9004	17910	45116	91916	1.00 100	5.00	10.0	25.0	50.0
1,2,4-Trichlorobenzene	DCB	Ave	12046 1154262	54488	112009	283361	574627	1.00 100	5.00	10.0	25.0	50.0
Hexachlorobutadiene	DCB	Ave	4472 367559	19461	37886	91840	184573	1.00 100	5.00	10.0	25.0	50.0
Naphthalene	DCB	Ave	31819 3050781	134917	279823	722453	1510475	1.00 100	5.00	10.0	25.0	50.0
1,2,3-Trichlorobenzene	DCB	Ave	11274 1069845	48697	102150	260357	532811	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloroethane-d4 (Surr)	DFB	Lin2F	5198 529222	26191	54405	128834	270129	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.: 480-12393-1 Analy Batch No.: 38908

SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 13:41 Calibration End Date: 11/04/2011 15:47 Calibration ID: 4664

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	Lin2F	29532 2848786	137946	293547	717572	1467546	1.00 100	5.00	10.0	25.0	50.0
4-Bromofluorobenzene (Surr)	CBZ	Lin2F	10740 873297	41593	88561	212401	446605	1.00 100	5.00	10.0	25.0	50.0

Curve Type Legend:

Ave = Average ISTD
Lin2F = Linear 1/conc^2 ISTD forced zero

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973C\20111104-7267.b\C15097.D
 Lims ID: STD Client ID:
 Inject. Date: 04-Nov-2011 13:41:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: STD
 Misc. Info.: 480-0007267-002
 Operator: LH Instrument ID: HP5973C
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 38908 Lims Sample ID: 2
 Sublist: chrom-C-8260*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973C\20111104-7267.b\C-8260.m
 Last Update: 04-Nov-2011 20:56:50 Calib Date: 04-Nov-2011 20:26:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973C\20111104-7267.b\C15113.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: cwiklinc

Date: 04-Nov-2011 20:56:50

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	9.455	9.454	0.001	96	690221	25.0	
* 2 Chlorobenzene-d5	82	11.826	11.826	0.0	90	349763	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.854	13.854	0.0	96	321697	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	9.194	9.182	0.012	0	5198	0.9139	
\$ 5 Toluene-d8 (Surr)	98	10.652	10.641	0.011	54	29532	0.9576	
\$ 6 4-Bromofluorobenzene (Surr)	174	12.775	12.775	0.0	48	10740	1.12	
10 Dichlorodifluoromethane	85	4.486	4.486	0.0	44	9725	1.01	
12 Chloromethane	50	4.865	4.877	-0.012	75	15109	1.18	
13 Vinyl chloride	62	5.114	5.114	0.0	32	12150	1.05	
14 Bromomethane	94	5.719	5.719	0.0	76	8747	1.22	
15 Chloroethane	64	5.873	5.873	0.0	53	8153	1.10	
17 Trichlorofluoromethane	101	6.217	6.217	0.0	42	13682	1.00	
20 Acrolein	56	6.751	6.751	0.0	73	21589	19.1	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	6.798	6.798	0.0	11	6383	0.8848	
22 1,1-Dichloroethene	96	6.858	6.858	0.0	59	9102	1.14	
23 Acetone	43	6.905	6.905	0.0	87	15940	5.45	
25 Iodomethane	142	7.095	7.095	0.0	75	8627	0.9703	
26 Carbon disulfide	76	7.178	7.178	0.0	78	22245	0.9776	
27 Methyl acetate	43	7.202	7.202	0.0	83	13171	1.06	
29 Acetonitrile	40	7.237	7.237	0.0	98	33732	47.2	
30 Methylene Chloride	84	7.379	7.379	0.0	75	10009	1.10	
32 Methyl tert-butyl ether	73	7.557	7.557	0.0	83	23774	1.00	
33 Acrylonitrile	53	7.605	7.605	0.0	80	17987	4.86	
34 trans-1,2-Dichloroethene	96	7.617	7.617	0.0	69	9279	1.06	
37 Vinyl acetate	43	7.961	7.961	0.0	95	67939	4.66	
39 1,1-Dichloroethane	63	8.020	8.008	0.012	42	18679	1.06	
43 2-Butanone (MEK)	43	8.470	8.470	0.0	95	21613	5.09	
44 2,2-Dichloropropane	77	8.518	8.506	0.012	51	14101	1.05	
45 cis-1,2-Dichloroethene	96	8.518	8.506	0.012	54	10316	1.07	
48 Chlorobromomethane	128	8.731	8.731	0.0	70	5035	1.06	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	8.743	8.743	0.0	70	13833	5.17	
50 Chloroform	83	8.755	8.755	0.0	71	23718	1.35	
51 1,1,1-Trichloroethane	97	8.933	8.933	0.0	66	14534	1.02	
52 Cyclohexane	56	8.980	8.968	0.012	73	15596	0.9668	
54 1,1-Dichloropropene	75	9.040	9.040	0.0	58	12956	1.06	
55 Carbon tetrachloride	117	9.075	9.063	0.012	59	13108	1.04	
57 Benzene	78	9.241	9.229	0.012	91	36282	1.07	
58 1,2-Dichloroethane	62	9.253	9.253	0.0	62	16645	1.09	
62 Trichloroethene	95	9.716	9.704	0.012	76	10459	1.11	
64 Methylcyclohexane	83	9.858	9.858	0.0	68	11701	0.9621	
65 1,2-Dichloropropane	63	9.917	9.917	0.0	65	11240	1.11	
67 Dibromomethane	93	10.048	10.048	0.0	77	6468	1.09	
68 Dichlorobromomethane	83	10.119	10.107	0.012	64	12939	1.06	
69 2-Chloroethyl vinyl ether	63	10.237	10.237	0.0	80	27731	4.64	
72 cis-1,3-Dichloropropene	75	10.439	10.427	0.012	53	15595	1.08	
73 4-Methyl-2-pentanone (MIBK)	43	10.475	10.463	0.012	84	42288	4.80	
74 Toluene	92	10.700	10.700	0.0	85	23389	1.09	
75 Ethyl methacrylate	69	10.771	10.771	0.0	41	7912	0.8360	
77 trans-1,3-Dichloropropene	75	10.842	10.842	0.0	65	14905	1.11	
79 1,1,2-Trichloroethane	83	11.020	11.020	0.0	49	7962	1.18	
80 2-Hexanone	43	11.103	11.103	0.0	84	29332	4.77	
81 Tetrachloroethene	166	11.150	11.150	0.0	75	9200	1.05	
82 1,3-Dichloropropane	76	11.174	11.162	0.012	58	15964	1.13	
83 Chlorodibromomethane	129	11.388	11.388	0.0	39	9708	1.08	
84 Ethylene Dibromide	107	11.530	11.518	0.012	41	9439	1.15	
87 Chlorobenzene	112	11.862	11.862	0.0	71	28723	1.17	
88 Ethylbenzene	91	11.862	11.862	0.0	82	48933	1.15	
89 1,1,1,2-Tetrachloroethane	131	11.898	11.898	0.0	24	9760	1.09	
90 m-Xylene & p-Xylene	106	11.945	11.945	0.0	98	33360	2.16	
91 o-Xylene	106	12.301	12.301	0.0	82	17292	1.12	
92 Styrene	104	12.301	12.301	0.0	78	28819	1.12	
94 Isopropylbenzene	105	12.562	12.562	0.0	76	42743	1.10	
95 Bromoform	173	12.585	12.585	0.0	31	5969	1.06	
97 1,1,2,2-Tetrachloroethane	83	12.858	12.846	0.012	30	11549	1.12	
98 trans-1,4-Dichloro-2-butene	53	12.882	12.882	0.0	69	16034	4.71	
99 N-Propylbenzene	91	12.917	12.917	0.0	88	55322	1.11	
100 1,2,3-Trichloropropane	110	12.941	12.929	0.012	1	3939	1.21	
101 Bromobenzene	156	12.977	12.965	0.012	36	11546	1.11	
102 1,3,5-Trimethylbenzene	105	13.036	13.036	0.0	53	36536	1.12	
103 2-Chlorotoluene	126	13.083	13.083	0.0	82	10948	1.12	
105 4-Chlorotoluene	126	13.178	13.166	0.012	74	10949	1.09	
106 tert-Butylbenzene	134	13.368	13.368	0.0	74	7300	1.10	
107 1,2,4-Trimethylbenzene	105	13.404	13.404	0.0	46	36774	1.10	
109 sec-Butylbenzene	105	13.570	13.558	0.012	64	41483	1.09	
110 4-Isopropyltoluene	119	13.664	13.664	0.0	72	33776	1.06	
111 1,3-Dichlorobenzene	146	13.795	13.795	0.0	76	21984	1.13	
113 1,4-Dichlorobenzene	146	13.878	13.878	0.0	45	23393	1.17	
115 n-Butylbenzene	91	14.080	14.080	0.0	76	32317	1.11	
116 1,2-Dichlorobenzene	146	14.305	14.293	0.012	63	21189	1.13	
117 1,2-Dibromo-3-Chloropropane	75	15.182	15.182	0.0	1	2058	1.04	
119 1,2,4-Trichlorobenzene	180	16.226	16.226	0.0	29	12046	0.99	
120 Hexachlorobutadiene	225	16.344	16.344	0.0	1	4472	1.09	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	16.665	16.665	0.0	51	31819	1.02	
122 1,2,3-Trichlorobenzene	180	17.032	17.032	0.0	30	11274	1.01	
S 125 1,2-Dichloroethene, Total	1				0		2.12	
S 126 1,3-Dichloropropene, Total	1				0		2.19	
S 123 Total BTEX	1				0		6.60	
S 124 Xylenes, Total	1				0		3.28	

Report Date: 04-Nov-2011 20:56:50

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973C\20111104-7267.b\C15097.D

Injection Date: 04-Nov-2011 13:41:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973C

Lims Batch ID: 38908

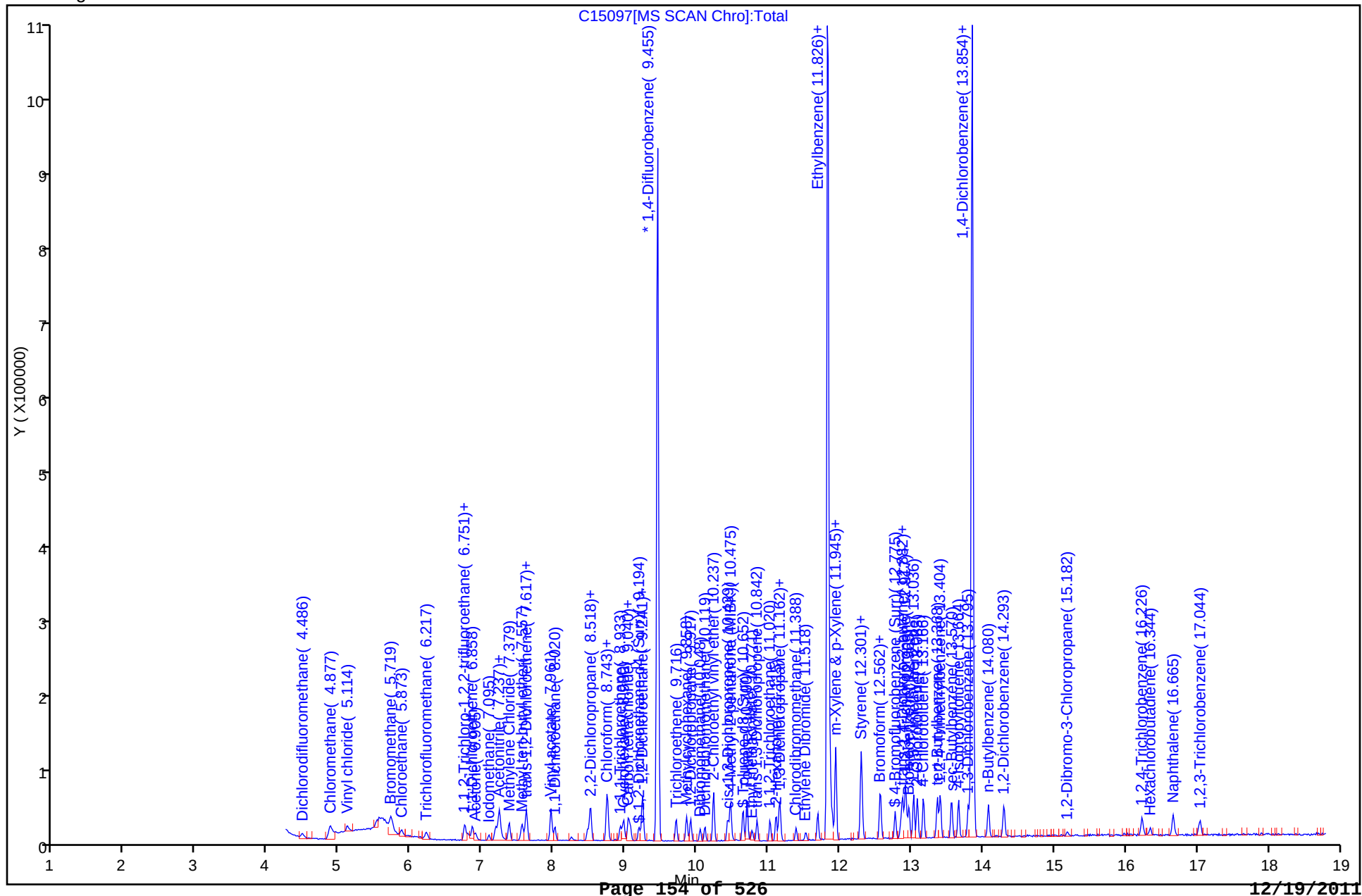
Lims Sample ID: 2

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973C\20111104-7267.b\C15098.D
 Lims ID: STD-2 Client ID:
 Inject. Date: 04-Nov-2011 14:06:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: STD-2
 Misc. Info.: 480-0007267-003
 Operator: LH Instrument ID: HP5973C
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 38908 Lims Sample ID: 3
 Sublist: chrom-C-8260*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973C\20111104-7267.b\C-8260.m
 Last Update: 04-Nov-2011 20:58:26 Calib Date: 04-Nov-2011 20:26:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973C\20111104-7267.b\C15113.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: cwiklinc

Date: 04-Nov-2011 20:58:26

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	9.455	9.454	0.001	96	621832	25.0	
* 2 Chlorobenzene-d5	82	11.826	11.826	0.0	89	313386	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.854	13.854	0.0	93	286897	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	9.194	9.182	0.012	0	26191	5.11	
\$ 5 Toluene-d8 (Surr)	98	10.652	10.641	0.011	91	137946	4.99	
\$ 6 4-Bromofluorobenzene (Surr)	174	12.775	12.775	0.0	78	41593	4.83	
10 Dichlorodifluoromethane	85	4.486	4.486	0.0	81	46192	5.31	
12 Chloromethane	50	4.877	4.877	0.0	88	60825	5.27	
13 Vinyl chloride	62	5.114	5.114	0.0	65	55577	5.33	
14 Bromomethane	94	5.731	5.719	0.012	79	33855	5.24	
15 Chloroethane	64	5.873	5.873	0.0	81	35511	5.33	
17 Trichlorofluoromethane	101	6.229	6.217	0.012	72	65896	5.37	
20 Acrolein	56	6.751	6.751	0.0	92	102673	100.9	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	6.798	6.798	0.0	67	34161	5.26	
22 1,1-Dichloroethene	96	6.869	6.858	0.011	79	37989	5.26	
23 Acetone	43	6.905	6.905	0.0	94	65913	25.0	
25 Iodomethane	142	7.095	7.095	0.0	95	41460	5.18	
26 Carbon disulfide	76	7.190	7.178	0.012	98	108145	5.28	
27 Methyl acetate	43	7.201	7.202	-0.001	93	56881	5.07	
29 Acetonitrile	40	7.237	7.237	0.0	99	128003	198.9	
30 Methylene Chloride	84	7.379	7.379	0.0	88	42348	5.18	
32 Methyl tert-butyl ether	73	7.557	7.557	0.0	91	107217	4.99	
33 Acrylonitrile	53	7.616	7.605	0.011	95	83419	25.0	
34 trans-1,2-Dichloroethene	96	7.616	7.617	-0.001	86	40905	5.18	
37 Vinyl acetate	43	7.960	7.961	-0.001	97	323847	24.7	
39 1,1-Dichloroethane	63	8.020	8.008	0.012	78	83184	5.23	
43 2-Butanone (MEK)	43	8.470	8.470	0.0	95	94403	24.7	
44 2,2-Dichloropropane	77	8.518	8.506	0.012	62	61877	5.13	
45 cis-1,2-Dichloroethene	96	8.518	8.506	0.012	72	44469	5.10	
48 Chlorobromomethane	128	8.743	8.731	0.012	61	22277	5.21	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	8.755	8.743	0.012	79	59517	24.7	
50 Chloroform	83	8.755	8.755	0.0	81	83118	5.24	
51 1,1,1-Trichloroethane	97	8.933	8.933	0.0	87	66366	5.17	
52 Cyclohexane	56	8.980	8.968	0.012	93	74720	5.14	
54 1,1-Dichloropropene	75	9.039	9.040	-0.001	85	58061	5.27	
55 Carbon tetrachloride	117	9.075	9.063	0.012	59	58301	5.15	
57 Benzene	78	9.241	9.229	0.012	95	160526	5.26	
58 1,2-Dichloroethane	62	9.253	9.253	0.0	78	70880	5.15	
62 Trichloroethene	95	9.715	9.704	0.011	87	44545	5.25	
64 Methylcyclohexane	83	9.858	9.858	0.0	94	57373	5.24	
65 1,2-Dichloropropane	63	9.917	9.917	0.0	69	46282	5.08	
67 Dibromomethane	93	10.047	10.048	-0.001	82	26471	4.94	
68 Dichlorobromomethane	83	10.119	10.107	0.012	79	55275	5.00	
69 2-Chloroethyl vinyl ether	63	10.237	10.237	0.0	91	132760	24.7	
72 cis-1,3-Dichloropropene	75	10.427	10.427	0.0	72	63115	4.87	
73 4-Methyl-2-pentanone (MIBK)	43	10.474	10.463	0.011	97	196983	25.0	
74 Toluene	92	10.700	10.700	0.0	92	100238	5.22	
75 Ethyl methacrylate	69	10.771	10.771	0.0	84	40992	4.83	
77 trans-1,3-Dichloropropene	75	10.842	10.842	0.0	88	58796	4.88	
79 1,1,2-Trichloroethane	83	11.020	11.020	0.0	85	30485	5.02	
80 2-Hexanone	43	11.103	11.103	0.0	96	135445	24.6	
81 Tetrachloroethene	166	11.150	11.150	0.0	84	42390	5.40	
82 1,3-Dichloropropane	76	11.162	11.162	0.0	78	64693	5.13	
83 Chlorodibromomethane	129	11.387	11.388	-0.001	73	39525	4.91	
84 Ethylene Dibromide	107	11.530	11.518	0.012	83	37521	5.09	
87 Chlorobenzene	112	11.862	11.862	0.0	74	114245	5.19	
88 Ethylbenzene	91	11.862	11.862	0.0	92	198307	5.22	
89 1,1,1,2-Tetrachloroethane	131	11.897	11.898	-0.001	37	39283	4.90	
90 m-Xylene & p-Xylene	106	11.945	11.945	0.0	98	143704	10.4	
91 o-Xylene	106	12.301	12.301	0.0	85	70646	5.13	
92 Styrene	104	12.301	12.301	0.0	84	116579	5.04	
94 Isopropylbenzene	105	12.561	12.562	-0.001	96	184178	5.29	
95 Bromoform	173	12.585	12.585	0.0	54	24727	4.88	
97 1,1,2,2-Tetrachloroethane	83	12.858	12.846	0.012	70	46563	5.05	
98 trans-1,4-Dichloro-2-butene	53	12.882	12.882	0.0	88	76635	25.3	
99 N-Propylbenzene	91	12.917	12.917	0.0	98	231297	5.21	
100 1,2,3-Trichloropropane	110	12.929	12.929	0.0	1	14258	4.93	
101 Bromobenzene	156	12.965	12.965	0.0	65	47981	5.19	
102 1,3,5-Trimethylbenzene	105	13.036	13.036	0.0	67	149131	5.12	
103 2-Chlorotoluene	126	13.083	13.083	0.0	82	44792	5.14	
105 4-Chlorotoluene	126	13.166	13.166	0.0	99	47074	5.24	
106 tert-Butylbenzene	134	13.368	13.368	0.0	88	30654	5.17	
107 1,2,4-Trimethylbenzene	105	13.403	13.404	-0.001	96	154689	5.17	
109 sec-Butylbenzene	105	13.569	13.558	0.011	92	178849	5.25	
110 4-Isopropyltoluene	119	13.664	13.664	0.0	94	148306	5.22	
111 1,3-Dichlorobenzene	146	13.795	13.795	0.0	93	90448	5.23	
113 1,4-Dichlorobenzene	146	13.878	13.878	0.0	75	93115	5.23	
115 n-Butylbenzene	91	14.079	14.080	-0.001	95	134769	5.19	
116 1,2-Dichlorobenzene	146	14.293	14.293	0.0	91	86217	5.17	
117 1,2-Dibromo-3-Chloropropane	75	15.182	15.182	0.0	19	9004	5.11	
119 1,2,4-Trichlorobenzene	180	16.226	16.226	0.0	82	54488	5.04	
120 Hexachlorobutadiene	225	16.344	16.344	0.0	61	19461	5.32	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	16.665	16.665	-0.001	92	134917	4.85	
122 1,2,3-Trichlorobenzene	180	17.032	17.032	0.0	83	48697	4.90	
S 125 1,2-Dichloroethene, Total	1				0		10.3	
S 126 1,3-Dichloropropene, Total	1				0		9.75	
S 123 Total BTEX	1				0		31.2	
S 124 Xylenes, Total	1				0		15.5	

Report Date: 04-Nov-2011 20:58:26

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973C\20111104-7267.b\C15098.D

Injection Date: 04-Nov-2011 14:06:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973C

Lims Batch ID: 38908

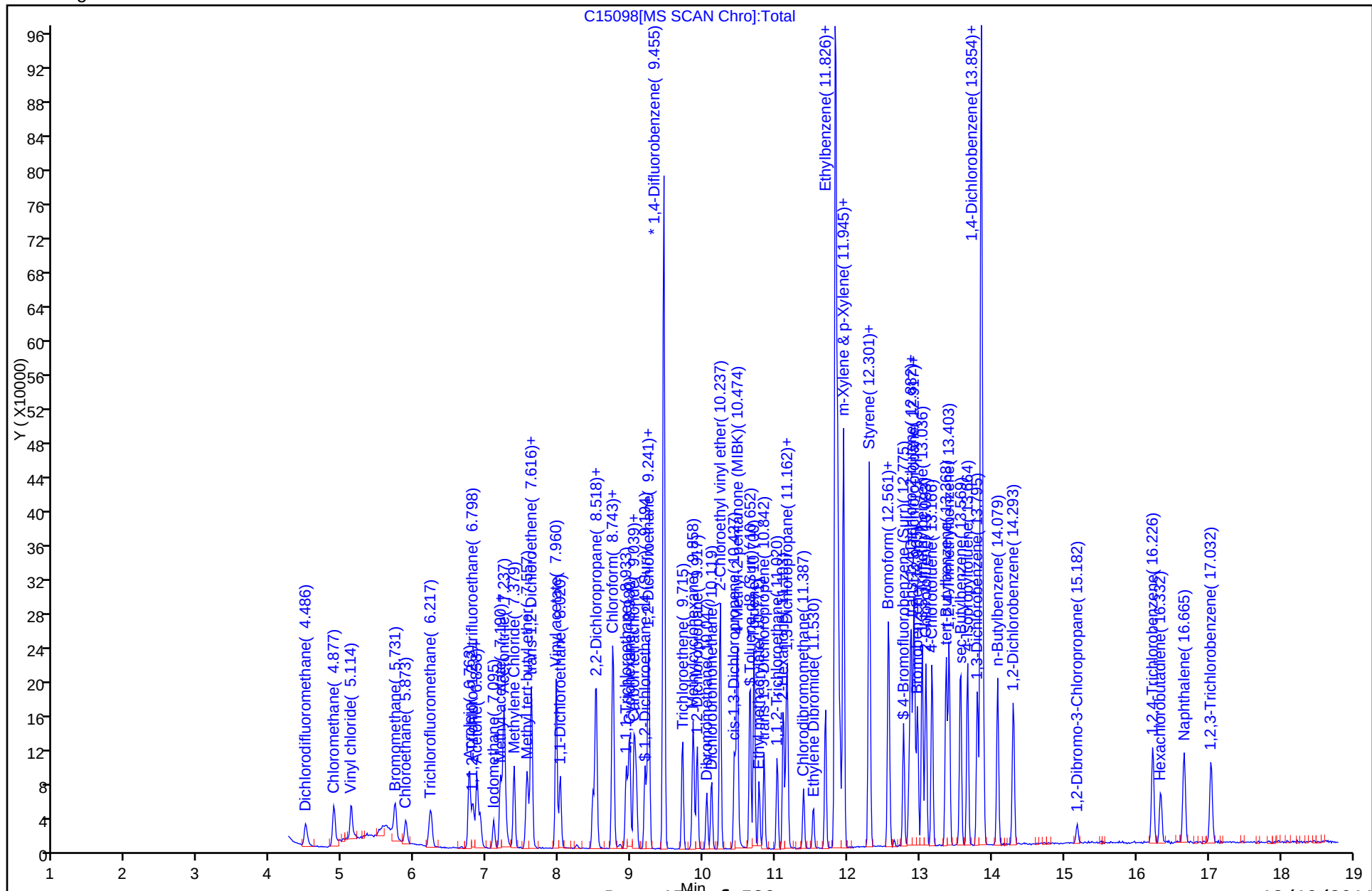
Lims Sample ID: 3

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973C\20111104-7267.b\C15099.D
 Lims ID: STD-3 Client ID:
 Inject. Date: 04-Nov-2011 14:32:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: STD-3
 Misc. Info.: 480-0007267-004
 Operator: LH Instrument ID: HP5973C
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 38908 Lims Sample ID: 4
 Sublist: chrom-C-8260*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973C\20111104-7267.b\C-8260.m
 Last Update: 04-Nov-2011 20:58:36 Calib Date: 04-Nov-2011 20:26:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973C\20111104-7267.b\C15113.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: cwiklinc

Date: 04-Nov-2011 20:58:36

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	9.455	9.454	0.001	96	619855	25.0	
* 2 Chlorobenzene-d5	82	11.826	11.826	0.0	90	315221	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.854	13.854	0.0	81	291942	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	9.194	9.182	0.012	0	54405	10.7	
\$ 5 Toluene-d8 (Surr)	98	10.640	10.641	-0.001	95	293547	10.6	
\$ 6 4-Bromofluorobenzene (Surr)	174	12.775	12.775	0.0	81	88561	10.2	
10 Dichlorodifluoromethane	85	4.486	4.486	0.0	81	87660	10.1	
12 Chloromethane	50	4.877	4.877	0.0	88	116318	10.1	
13 Vinyl chloride	62	5.114	5.114	0.0	83	105195	10.1	
14 Bromomethane	94	5.719	5.719	0.0	88	63324	9.83	
15 Chloroethane	64	5.873	5.873	0.0	93	67013	10.1	
17 Trichlorofluoromethane	101	6.217	6.217	0.0	81	122798	10.0	
20 Acrolein	56	6.751	6.751	0.0	92	203017	200.1	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	6.798	6.798	0.0	79	68483	10.6	
22 1,1-Dichloroethene	96	6.858	6.858	0.0	82	71052	9.88	
23 Acetone	43	6.905	6.905	0.0	95	133521	50.8	
25 Iodomethane	142	7.095	7.095	0.0	96	82007	10.3	
26 Carbon disulfide	76	7.178	7.178	0.0	99	210236	10.3	
27 Methyl acetate	43	7.202	7.202	0.0	97	115055	10.3	
29 Acetonitrile	40	7.237	7.237	0.0	99	258825	403.5	
30 Methylene Chloride	84	7.379	7.379	0.0	92	82916	10.2	
32 Methyl tert-butyl ether	73	7.557	7.557	0.0	93	215331	10.0	
33 Acrylonitrile	53	7.605	7.605	0.0	96	165846	49.9	
34 trans-1,2-Dichloroethene	96	7.617	7.617	0.0	90	81423	10.3	
37 Vinyl acetate	43	7.960	7.961	-0.001	97	656399	50.1	
39 1,1-Dichloroethane	63	8.008	8.008	0.0	81	160957	10.1	
43 2-Butanone (MEK)	43	8.470	8.470	0.0	99	192993	50.6	
44 2,2-Dichloropropane	77	8.506	8.506	0.0	63	120967	10.1	
45 cis-1,2-Dichloroethene	96	8.518	8.506	0.012	73	88018	10.1	
48 Chlorobromomethane	128	8.731	8.731	0.0	83	43056	10.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	8.743	8.743	0.0	88	120681	50.2	
50 Chloroform	83	8.755	8.755	0.0	82	150300	9.51	
51 1,1,1-Trichloroethane	97	8.933	8.933	0.0	89	128978	10.1	
52 Cyclohexane	56	8.968	8.968	0.0	93	150793	10.4	
54 1,1-Dichloropropene	75	9.040	9.040	0.0	87	108435	9.87	
55 Carbon tetrachloride	117	9.063	9.063	0.0	78	111942	9.91	
57 Benzene	78	9.241	9.229	0.012	96	306228	10.1	
58 1,2-Dichloroethane	62	9.253	9.253	0.0	73	138349	10.1	
62 Trichloroethene	95	9.704	9.704	0.0	89	84065	9.94	
64 Methylcyclohexane	83	9.858	9.858	0.0	96	111556	10.2	
65 1,2-Dichloropropane	63	9.917	9.917	0.0	70	91711	10.1	
67 Dibromomethane	93	10.048	10.048	0.0	88	54814	10.3	
68 Dichlorobromomethane	83	10.107	10.107	0.0	80	110175	10.0	
69 2-Chloroethyl vinyl ether	63	10.237	10.237	0.0	91	274019	51.1	
72 cis-1,3-Dichloropropene	75	10.427	10.427	0.0	84	129594	10.0	
73 4-Methyl-2-pentanone (MIBK)	43	10.463	10.463	0.0	98	409685	51.6	
74 Toluene	92	10.700	10.700	0.0	92	196163	10.2	
75 Ethyl methacrylate	69	10.771	10.771	0.0	91	84076	9.86	
77 trans-1,3-Dichloropropene	75	10.842	10.842	0.0	84	120792	9.96	
79 1,1,2-Trichloroethane	83	11.020	11.020	0.0	89	61056	10.0	
80 2-Hexanone	43	11.103	11.103	0.0	97	286573	51.7	
81 Tetrachloroethene	166	11.150	11.150	0.0	83	79443	10.1	
82 1,3-Dichloropropane	76	11.162	11.162	0.0	80	128421	10.1	
83 Chlorodibromomethane	129	11.388	11.388	0.0	84	79044	9.77	
84 Ethylene Dibromide	107	11.530	11.518	0.012	94	74489	10.0	
87 Chlorobenzene	112	11.862	11.862	0.0	72	219884	9.92	
88 Ethylbenzene	91	11.862	11.862	0.0	93	385172	10.1	
89 1,1,1,2-Tetrachloroethane	131	11.897	11.898	-0.001	45	80944	10.0	
90 m-Xylene & p-Xylene	106	11.945	11.945	0.0	99	283356	20.4	
91 o-Xylene	106	12.301	12.301	0.0	84	138986	10.0	
92 Styrene	104	12.301	12.301	0.0	84	234355	10.1	
94 Isopropylbenzene	105	12.562	12.562	0.0	97	356062	10.1	
95 Bromoform	173	12.585	12.585	0.0	70	48695	9.56	
97 1,1,2,2-Tetrachloroethane	83	12.846	12.846	0.0	72	94549	10.1	
98 trans-1,4-Dichloro-2-butene	53	12.882	12.882	0.0	90	155897	50.5	
99 N-Propylbenzene	91	12.917	12.917	0.0	98	453319	10.0	
100 1,2,3-Trichloropropane	110	12.929	12.929	0.0	1	29556	10.0	
101 Bromobenzene	156	12.977	12.965	0.012	47	94858	10.1	
102 1,3,5-Trimethylbenzene	105	13.036	13.036	0.0	69	299242	10.1	
103 2-Chlorotoluene	126	13.083	13.083	0.0	91	90691	10.2	
105 4-Chlorotoluene	126	13.166	13.166	0.0	99	92262	10.1	
106 tert-Butylbenzene	134	13.368	13.368	0.0	91	60786	10.1	
107 1,2,4-Trimethylbenzene	105	13.404	13.404	0.0	97	310376	10.2	
109 sec-Butylbenzene	105	13.570	13.558	0.012	94	347210	10.0	
110 4-Isopropyltoluene	119	13.664	13.664	0.0	95	289220	10.0	
111 1,3-Dichlorobenzene	146	13.795	13.795	0.0	95	176787	10.0	
113 1,4-Dichlorobenzene	146	13.878	13.878	0.0	79	181786	10.0	
115 n-Butylbenzene	91	14.079	14.080	-0.001	97	263604	9.97	
116 1,2-Dichlorobenzene	146	14.293	14.293	0.0	92	171213	10.1	
117 1,2-Dibromo-3-Chloropropane	75	15.182	15.182	0.0	53	17910	10.0	
119 1,2,4-Trichlorobenzene	180	16.226	16.226	0.0	91	112009	10.2	
120 Hexachlorobutadiene	225	16.344	16.344	0.0	78	37886	10.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	16.665	16.665	0.0	97	279823	9.89	
122 1,2,3-Trichlorobenzene	180	17.032	17.032	0.0	91	102150	10.1	
S 125 1,2-Dichloroethene, Total	1				0		20.5	
S 126 1,3-Dichloropropene, Total	1				0		20.0	
S 123 Total BTEX	1				0		60.7	
S 124 Xylenes, Total	1				0		30.4	

Report Date: 04-Nov-2011 20:58:36

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973C\20111104-7267.b\C15099.D

Injection Date: 04-Nov-2011 14:32:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973C

Lims Batch ID: 38908

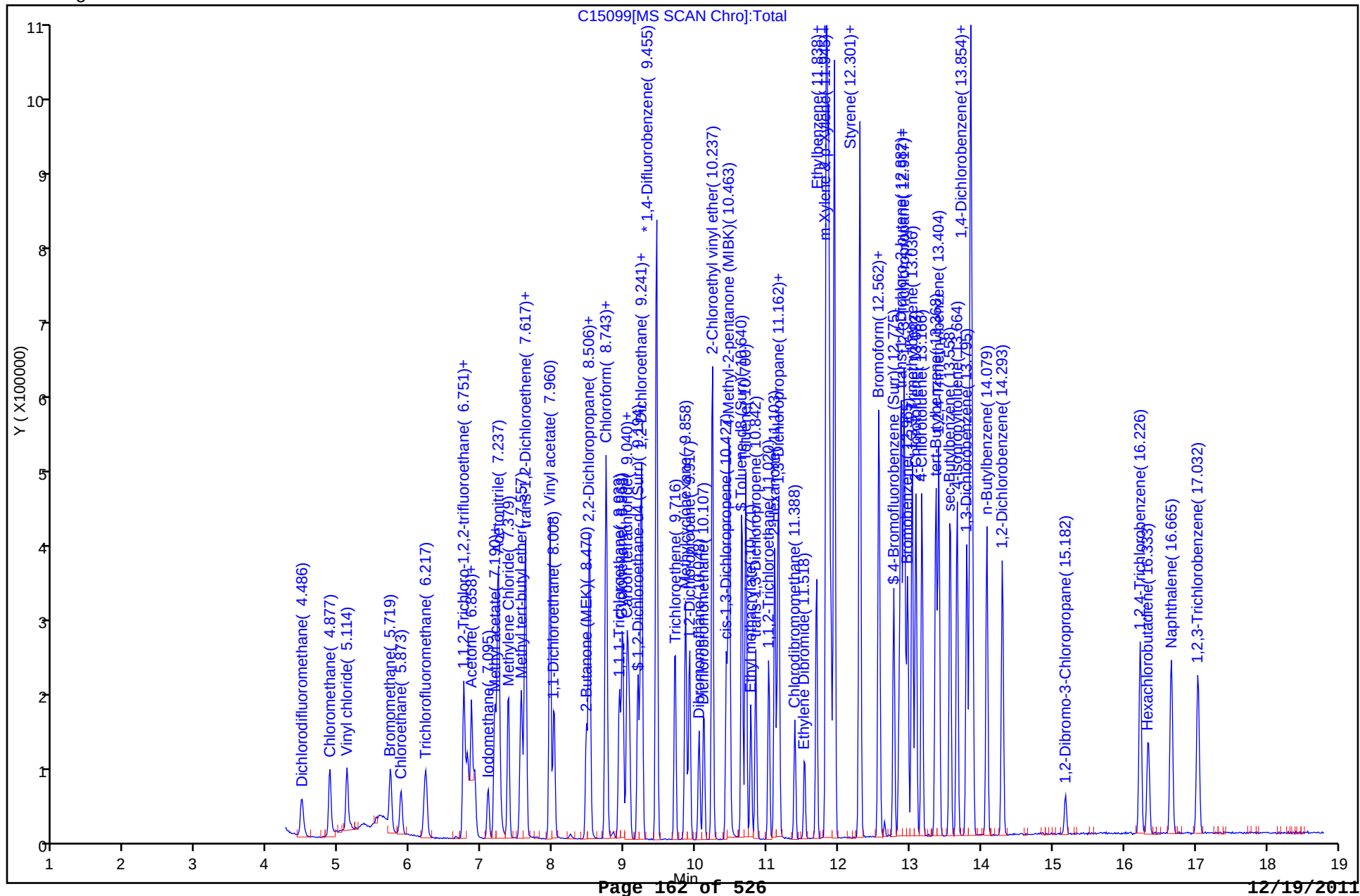
Lims Sample ID: 4

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973C\20111104-7267.b\C15100.D
 Lims ID: STD-4 Client ID:
 Inject. Date: 04-Nov-2011 14:57:30 Dil. Factor: 1.0000
 Sample Type: ICIS Calib Level: 4
 Sample ID: STD-4
 Misc. Info.: 480-0007267-005
 Operator: LH Instrument ID: HP5973C
 Vol. Injected: 1.0000 ALS Bottle#: 5
 Lims Batch ID: 38908 Lims Sample ID: 5
 Sublist: chrom-C-8260*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973C\20111104-7267.b\C-8260.m
 Last Update: 04-Nov-2011 20:59:03 Calib Date: 04-Nov-2011 20:26:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973C\20111104-7267.b\C15113.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: cwiklinc

Date: 04-Nov-2011 20:59:03

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	9.455	9.455	0.0	95	611598	25.0	
* 2 Chlorobenzene-d5	82	11.826	11.826	0.0	89	313053	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.854	13.854	0.0	77	291261	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	9.182	9.182	0.0	0	128834	25.6	
\$ 5 Toluene-d8 (Surr)	98	10.641	10.641	0.0	95	717572	26.0	
\$ 6 4-Bromofluorobenzene (Surr)	174	12.775	12.775	0.0	83	212401	24.7	
10 Dichlorodifluoromethane	85	4.486	4.486	0.0	87	223791	26.2	
12 Chloromethane	50	4.877	4.877	0.0	89	280740	24.7	
13 Vinyl chloride	62	5.114	5.114	0.0	84	262894	25.6	
14 Bromomethane	94	5.719	5.719	0.0	91	154938	24.4	
15 Chloroethane	64	5.873	5.873	0.0	94	162077	24.7	
17 Trichlorofluoromethane	101	6.217	6.217	0.0	84	311816	25.8	
20 Acrolein	56	6.751	6.751	0.0	96	522231	521.6	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	6.798	6.798	0.0	86	168749	26.4	
22 1,1-Dichloroethene	96	6.858	6.858	0.0	83	178764	25.2	
23 Acetone	43	6.905	6.905	0.0	96	328490	126.7	
25 Iodomethane	142	7.095	7.095	0.0	99	203239	25.8	
26 Carbon disulfide	76	7.178	7.178	0.0	100	518258	25.7	
27 Methyl acetate	43	7.202	7.202	0.0	97	272894	24.7	
29 Acetonitrile	40	7.237	7.237	0.0	99	630450	996.1	
30 Methylene Chloride	84	7.379	7.379	0.0	90	200975	25.0	
32 Methyl tert-butyl ether	73	7.557	7.557	0.0	94	547635	25.9	
33 Acrylonitrile	53	7.605	7.605	0.0	95	425426	129.8	
34 trans-1,2-Dichloroethene	96	7.617	7.617	0.0	89	195834	25.2	
37 Vinyl acetate	43	7.961	7.961	0.0	97	1696001	131.3	
39 1,1-Dichloroethane	63	8.008	8.008	0.0	84	398214	25.4	
43 2-Butanone (MEK)	43	8.470	8.470	0.0	99	480126	127.6	
44 2,2-Dichloropropane	77	8.506	8.506	0.0	63	303949	25.6	
45 cis-1,2-Dichloroethene	96	8.506	8.506	0.0	75	219675	25.6	
48 Chlorobromomethane	128	8.731	8.731	0.0	85	106135	25.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	8.743	8.743	0.0	89	305471	128.8	
50 Chloroform	83	8.755	8.755	0.0	83	366254	23.5	
51 1,1,1-Trichloroethane	97	8.933	8.933	0.0	91	327268	25.9	
52 Cyclohexane	56	8.968	8.968	0.0	93	373882	26.2	
54 1,1-Dichloropropene	75	9.040	9.040	0.0	89	276693	25.5	
55 Carbon tetrachloride	117	9.063	9.063	0.0	80	287173	25.8	
57 Benzene	78	9.229	9.229	0.0	97	761125	25.4	
58 1,2-Dichloroethane	62	9.253	9.253	0.0	73	345269	25.5	
62 Trichloroethene	95	9.704	9.704	0.0	90	205692	24.6	
64 Methylcyclohexane	83	9.858	9.858	0.0	96	279092	25.9	
65 1,2-Dichloropropane	63	9.917	9.917	0.0	81	224929	25.1	
67 Dibromomethane	93	10.048	10.048	0.0	90	133069	25.2	
68 Dichlorobromomethane	83	10.107	10.107	0.0	68	275561	25.4	
69 2-Chloroethyl vinyl ether	63	10.237	10.237	0.0	92	688128	130.1	
72 cis-1,3-Dichloropropene	75	10.427	10.427	0.0	85	319132	25.0	
73 4-Methyl-2-pentanone (MIBK)	43	10.463	10.463	0.0	98	1019559	129.4	
74 Toluene	92	10.700	10.700	0.0	92	477939	24.9	
75 Ethyl methacrylate	69	10.771	10.771	0.0	88	225692	26.6	
77 trans-1,3-Dichloropropene	75	10.842	10.842	0.0	84	296688	24.6	
79 1,1,2-Trichloroethane	83	11.020	11.020	0.0	90	148503	24.5	
80 2-Hexanone	43	11.103	11.103	0.0	97	702528	127.7	
81 Tetrachloroethene	166	11.150	11.150	0.0	85	199868	25.5	
82 1,3-Dichloropropane	76	11.162	11.162	0.0	76	308661	24.5	
83 Chlorodibromomethane	129	11.388	11.388	0.0	88	199993	24.9	
84 Ethylene Dibromide	107	11.518	11.518	0.0	98	179711	24.4	
87 Chlorobenzene	112	11.862	11.862	0.0	72	540186	24.5	
88 Ethylbenzene	91	11.862	11.862	0.0	94	935259	24.6	
89 1,1,1,2-Tetrachloroethane	131	11.898	11.898	0.0	55	201692	25.2	
90 m-Xylene & p-Xylene	106	11.945	11.945	0.0	98	692275	50.1	
91 o-Xylene	106	12.301	12.301	0.0	84	341432	24.8	
92 Styrene	104	12.301	12.301	0.0	84	574417	24.9	
94 Isopropylbenzene	105	12.562	12.562	0.0	98	880274	24.9	
95 Bromoform	173	12.585	12.585	0.0	75	125531	24.8	
97 1,1,2,2-Tetrachloroethane	83	12.846	12.846	0.0	74	232484	24.8	
98 trans-1,4-Dichloro-2-butene	53	12.882	12.882	0.0	92	396597	128.7	
99 N-Propylbenzene	91	12.917	12.917	0.0	99	1133536	25.1	
100 1,2,3-Trichloropropane	110	12.929	12.929	0.0	1	71282	24.3	
101 Bromobenzene	156	12.965	12.965	0.0	73	233099	24.8	
102 1,3,5-Trimethylbenzene	105	13.036	13.036	0.0	69	739987	25.0	
103 2-Chlorotoluene	126	13.083	13.083	0.0	85	221161	25.0	
105 4-Chlorotoluene	126	13.166	13.166	0.0	99	229153	25.1	
106 tert-Butylbenzene	134	13.368	13.368	0.0	92	149856	24.9	
107 1,2,4-Trimethylbenzene	105	13.404	13.404	0.0	72	759009	25.0	
109 sec-Butylbenzene	105	13.558	13.558	0.0	96	871495	25.2	
110 4-Isopropyltoluene	119	13.664	13.664	0.0	91	728195	25.2	
111 1,3-Dichlorobenzene	146	13.795	13.795	0.0	96	434030	24.7	
113 1,4-Dichlorobenzene	146	13.878	13.878	0.0	81	440644	24.4	
115 n-Butylbenzene	91	14.080	14.080	0.0	97	656875	24.9	
116 1,2-Dichlorobenzene	146	14.293	14.293	0.0	94	418245	24.7	
117 1,2-Dibromo-3-Chloropropane	75	15.182	15.182	0.0	60	45116	25.2	
119 1,2,4-Trichlorobenzene	180	16.226	16.226	0.0	93	283361	25.8	
120 Hexachlorobutadiene	225	16.344	16.344	0.0	91	91840	24.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	16.665	16.665	0.0	97	722453	25.6	
122 1,2,3-Trichlorobenzene	180	17.032	17.032	0.0	91	260357	25.8	
S 125 1,2-Dichloroethene, Total	1				0		50.8	
S 126 1,3-Dichloropropene, Total	1				0		49.7	
S 123 Total BTEX	1				0		149.8	
S 124 Xylenes, Total	1				0		74.9	

Report Date: 04-Nov-2011 20:59:03

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973C\20111104-7267.b\C15100.D

Injection Date: 04-Nov-2011 14:57:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973C

Lims Batch ID: 38908

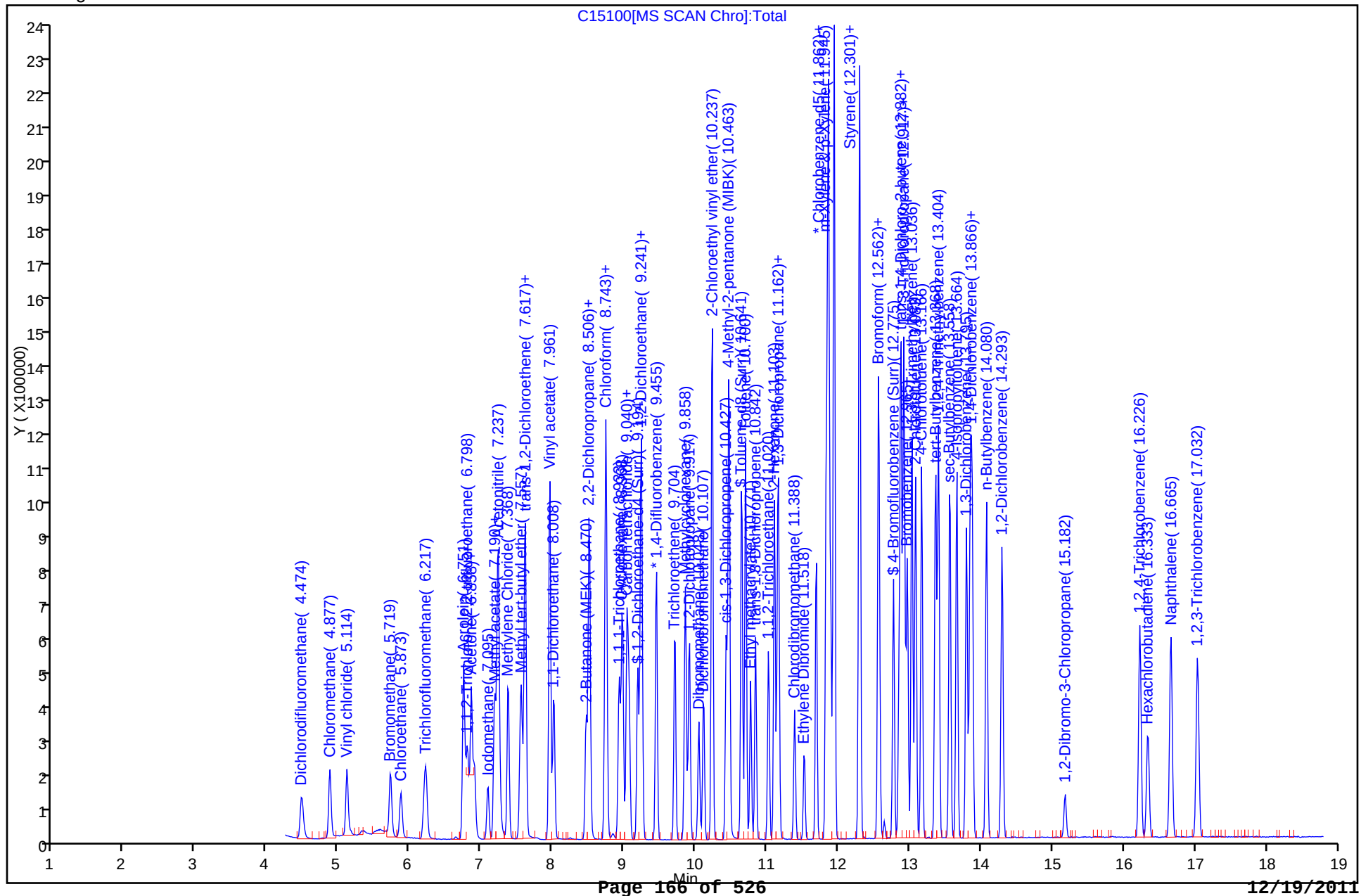
Lims Sample ID: 5

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973C\20111104-7267.b\C15101.D
 Lims ID: STD-5 Client ID:
 Inject. Date: 04-Nov-2011 15:22:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: STD-5
 Misc. Info.: 480-0007267-006
 Operator: LH Instrument ID: HP5973C
 Vol. Injected: 1.0000 ALS Bottle#: 6
 Lims Batch ID: 38908 Lims Sample ID: 6
 Sublist: chrom-C-8260*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973C\20111104-7267.b\C-8260.m
 Last Update: 04-Nov-2011 20:59:29 Calib Date: 04-Nov-2011 20:26:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973C\20111104-7267.b\C15113.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: cwiklinc

Date: 04-Nov-2011 20:59:29

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	9.454	9.455	-0.001	96	690140	25.0	
* 2 Chlorobenzene-d5	82	11.826	11.826	0.0	90	354213	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.854	13.854	0.0	68	328974	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	9.194	9.182	0.012	0	270129	47.5	
\$ 5 Toluene-d8 (Surr)	98	10.652	10.641	0.011	94	1467546	47.0	
\$ 6 4-Bromofluorobenzene (Surr)	174	12.775	12.775	0.0	84	446605	45.9	
10 Dichlorodifluoromethane	85	4.486	4.486	0.0	86	430314	44.6	
12 Chloromethane	50	4.889	4.877	0.012	89	541863	42.3	
13 Vinyl chloride	62	5.126	5.114	0.012	84	510744	44.1	
14 Bromomethane	94	5.731	5.719	0.012	91	302658	42.2	
15 Chloroethane	64	5.873	5.873	0.0	95	322699	43.6	
17 Trichlorofluoromethane	101	6.217	6.217	0.0	84	612249	45.0	
20 Acrolein	56	6.751	6.751	0.0	98	1078278	954.4	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	6.810	6.798	0.012	86	331328	45.9	
22 1,1-Dichloroethene	96	6.857	6.858	-0.001	82	346701	43.3	
23 Acetone	43	6.905	6.905	0.0	98	663438	226.7	
25 Iodomethane	142	7.095	7.095	0.0	98	408277	45.9	
26 Carbon disulfide	76	7.190	7.178	0.012	100	1028640	45.2	
27 Methyl acetate	43	7.201	7.202	-0.001	98	575659	46.2	
29 Acetonitrile	40	7.237	7.237	0.0	99	1259869	1764.1	
30 Methylene Chloride	84	7.379	7.379	0.0	89	399319	44.0	
32 Methyl tert-butyl ether	73	7.557	7.557	0.0	94	1115736	46.7	
33 Acrylonitrile	53	7.605	7.605	0.0	96	888135	240.2	
34 trans-1,2-Dichloroethene	96	7.616	7.617	-0.001	85	389744	44.5	
37 Vinyl acetate	43	7.960	7.961	-0.001	97	3565564	244.6	
39 1,1-Dichloroethane	63	8.020	8.008	0.012	84	788124	44.6	
43 2-Butanone (MEK)	43	8.470	8.470	0.0	99	1006837	237.1	
44 2,2-Dichloropropane	77	8.506	8.506	0.0	64	601955	44.9	
45 cis-1,2-Dichloroethene	96	8.518	8.506	0.012	73	434835	44.9	
48 Chlorobromomethane	128	8.743	8.731	0.012	70	212721	44.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	8.743	8.743	0.0	89	627533	234.4	
50 Chloroform	83	8.755	8.755	0.0	82	727176	41.3	
51 1,1,1-Trichloroethane	97	8.933	8.933	0.0	91	644075	45.2	
52 Cyclohexane	56	8.980	8.968	0.012	94	732085	45.4	
54 1,1-Dichloropropene	75	9.039	9.040	-0.001	85	550537	45.0	
55 Carbon tetrachloride	117	9.075	9.063	0.012	70	568316	45.2	
57 Benzene	78	9.241	9.229	0.012	96	1509310	44.6	
58 1,2-Dichloroethane	62	9.253	9.253	0.0	69	679536	44.5	
62 Trichloroethene	95	9.715	9.704	0.011	94	417880	44.4	
64 Methylcyclohexane	83	9.858	9.858	0.0	97	554912	45.6	
65 1,2-Dichloropropane	63	9.917	9.917	0.0	70	452060	44.7	
67 Dibromomethane	93	10.047	10.048	-0.001	91	268535	45.2	
68 Dichlorobromomethane	83	10.119	10.107	0.012	70	562448	45.9	
69 2-Chloroethyl vinyl ether	63	10.237	10.237	0.0	91	1452622	243.3	
72 cis-1,3-Dichloropropene	75	10.427	10.427	0.0	86	662691	46.1	
73 4-Methyl-2-pentanone (MIBK)	43	10.462	10.463	-0.001	98	2126262	238.4	
74 Toluene	92	10.700	10.700	0.0	92	958946	44.2	
75 Ethyl methacrylate	69	10.771	10.771	0.0	86	488104	50.9	
77 trans-1,3-Dichloropropene	75	10.842	10.842	0.0	83	629192	46.2	
79 1,1,2-Trichloroethane	83	11.020	11.020	0.0	90	302117	44.0	
80 2-Hexanone	43	11.103	11.103	0.0	97	1506614	242.1	
81 Tetrachloroethene	166	11.150	11.150	0.0	85	392696	44.3	
82 1,3-Dichloropropane	76	11.162	11.162	0.0	75	633339	44.4	
83 Chlorodibromomethane	129	11.387	11.388	-0.001	88	420346	46.2	
84 Ethylene Dibromide	107	11.518	11.518	0.0	98	371521	44.5	
87 Chlorobenzene	112	11.862	11.862	0.0	75	1087342	43.7	
88 Ethylbenzene	91	11.862	11.862	0.0	93	1864402	43.4	
89 1,1,1,2-Tetrachloroethane	131	11.897	11.898	-0.001	63	410178	45.3	
90 m-Xylene & p-Xylene	106	11.945	11.945	0.0	98	1396704	89.3	
91 o-Xylene	106	12.301	12.301	0.0	85	690842	44.4	
92 Styrene	104	12.301	12.301	0.0	85	1174897	44.9	
94 Isopropylbenzene	105	12.561	12.562	-0.001	98	1767595	44.3	
95 Bromoform	173	12.585	12.585	0.0	76	271547	47.5	
97 1,1,2,2-Tetrachloroethane	83	12.846	12.846	0.0	73	479120	45.3	
98 trans-1,4-Dichloro-2-butene	53	12.882	12.882	0.0	93	839544	241.3	
99 N-Propylbenzene	91	12.917	12.917	0.0	99	2259015	44.3	
100 1,2,3-Trichloropropane	110	12.929	12.929	0.0	1	146856	44.3	
101 Bromobenzene	156	12.965	12.965	0.0	73	467829	44.2	
102 1,3,5-Trimethylbenzene	105	13.036	13.036	0.0	70	1476638	44.2	
103 2-Chlorotoluene	126	13.083	13.083	0.0	85	438630	43.9	
105 4-Chlorotoluene	126	13.166	13.166	0.0	99	458397	44.5	
106 tert-Butylbenzene	134	13.368	13.368	0.0	92	302221	44.5	
107 1,2,4-Trimethylbenzene	105	13.403	13.404	-0.001	73	1528094	44.5	
109 sec-Butylbenzene	105	13.558	13.558	0.0	96	1729804	44.3	
110 4-Isopropyltoluene	119	13.664	13.664	0.0	95	1474991	45.2	
111 1,3-Dichlorobenzene	146	13.795	13.795	0.0	95	872017	44.0	
113 1,4-Dichlorobenzene	146	13.878	13.878	0.0	92	885372	43.4	
115 n-Butylbenzene	91	14.079	14.080	-0.001	98	1331579	44.7	
116 1,2-Dichlorobenzene	146	14.293	14.293	0.0	93	843292	44.1	
117 1,2-Dibromo-3-Chloropropane	75	15.182	15.182	0.0	70	91916	45.5	
119 1,2,4-Trichlorobenzene	180	16.226	16.226	0.0	93	574627	46.4	
120 Hexachlorobutadiene	225	16.344	16.344	0.0	90	184573	44.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	16.664	16.665	-0.001	98	1510475	47.4	
122 1,2,3-Trichlorobenzene	180	17.032	17.032	0.0	93	532811	46.8	
S 125 1,2-Dichloroethene, Total	1				0		89.4	
S 126 1,3-Dichloropropene, Total	1				0		92.2	
S 123 Total BTEX	1				0		265.8	
S 124 Xylenes, Total	1				0		133.7	

Report Date: 04-Nov-2011 20:59:29

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973C\20111104-7267.b\C15101.D

Injection Date: 04-Nov-2011 15:22:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973C

Lims Batch ID: 38908

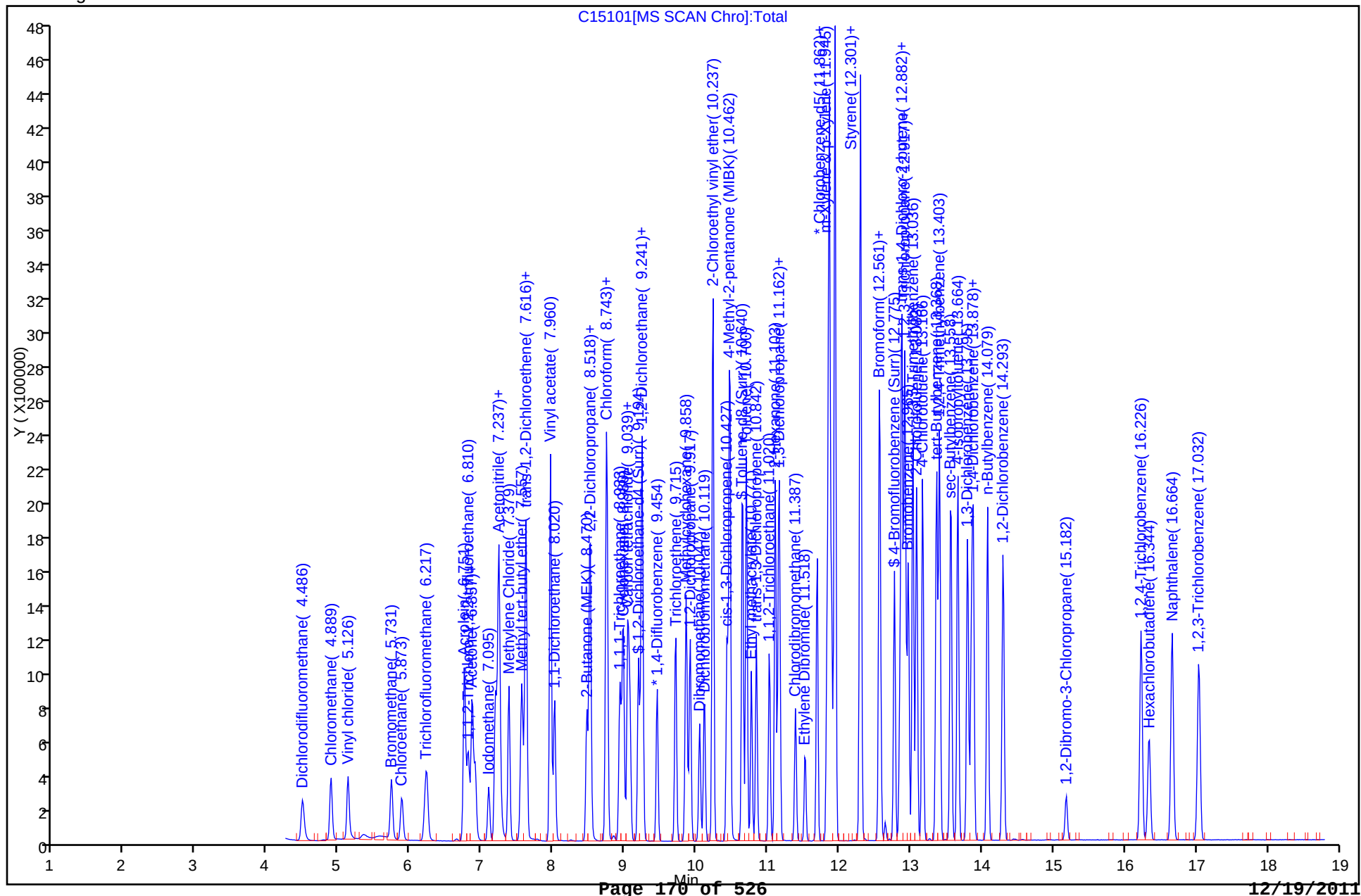
Lims Sample ID: 6

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973C\20111104-7267.b\C15102.D
 Lims ID: STD-6 Client ID:
 Inject. Date: 04-Nov-2011 15:47:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: STD-6
 Misc. Info.: 480-0007267-007
 Operator: LH Instrument ID: HP5973C
 Vol. Injected: 1.0000 ALS Bottle#: 7
 Lims Batch ID: 38908 Lims Sample ID: 7
 Sublist: chrom-C-8260*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973C\20111104-7267.b\C-8260.m
 Last Update: 04-Nov-2011 20:59:48 Calib Date: 04-Nov-2011 20:26:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973C\20111104-7267.b\C15113.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: cwiklinc

Date: 04-Nov-2011 20:59:48

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	9.455	9.455	0.0	95	625727	25.0	
* 2 Chlorobenzene-d5	82	11.826	11.826	0.0	89	320541	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.854	13.854	0.0	57	300066	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	9.182	9.182	0.0	0	529222	102.6	
\$ 5 Toluene-d8 (Surr)	98	10.640	10.641	-0.001	95	2848786	100.8	
\$ 6 4-Bromofluorobenzene (Surr)	174	12.775	12.775	0.0	84	873297	99.1	
10 Dichlorodifluoromethane	85	4.486	4.486	0.0	87	856176	97.9	
12 Chloromethane	50	4.877	4.877	0.0	89	1072600	92.3	
13 Vinyl chloride	62	5.114	5.114	0.0	84	1015525	96.7	
14 Bromomethane	94	5.731	5.719	0.012	91	606651	93.3	
15 Chloroethane	64	5.873	5.873	0.0	94	643483	96.0	
17 Trichlorofluoromethane	101	6.217	6.217	0.0	87	1214730	98.4	
20 Acrolein	56	6.751	6.751	0.0	98	2126854	2076.3	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	6.798	6.798	0.0	88	675219	103.2	
22 1,1-Dichloroethene	96	6.858	6.858	0.0	83	690538	95.1	
23 Acetone	43	6.905	6.905	0.0	96	1292939	487.3	
25 Iodomethane	142	7.095	7.095	0.0	99	819862	101.7	
26 Carbon disulfide	76	7.178	7.178	0.0	100	2075544	100.6	
27 Methyl acetate	43	7.201	7.202	-0.001	97	1117126	98.9	
29 Acetonitrile	40	7.237	7.237	0.0	99	2428821	3751.0	
30 Methylene Chloride	84	7.379	7.379	0.0	90	794978	96.6	
32 Methyl tert-butyl ether	73	7.557	7.557	0.0	94	2233563	103.2	
33 Acrylonitrile	53	7.605	7.605	0.0	97	1723207	514.0	
34 trans-1,2-Dichloroethene	96	7.617	7.617	0.0	90	774055	97.4	
37 Vinyl acetate	43	7.960	7.961	-0.001	97	6936218	524.9	
39 1,1-Dichloroethane	63	8.020	8.008	0.012	84	1558257	97.3	
43 2-Butanone (MEK)	43	8.470	8.470	0.0	99	1951705	506.9	
44 2,2-Dichloropropane	77	8.506	8.506	0.0	63	1205653	99.3	
45 cis-1,2-Dichloroethene	96	8.506	8.506	0.0	75	860409	98.0	
48 Chlorobromomethane	128	8.731	8.731	0.0	86	420849	97.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	8.743	8.743	0.0	89	1222740	503.8	
50 Chloroform	83	8.755	8.755	0.0	82	1417371	88.8	
51 1,1,1-Trichloroethane	97	8.933	8.933	0.0	91	1285140	99.5	
52 Cyclohexane	56	8.968	8.968	0.0	94	1476761	101.0	
54 1,1-Dichloropropene	75	9.040	9.040	0.0	89	1087850	98.1	
55 Carbon tetrachloride	117	9.063	9.063	0.0	69	1142974	100.3	
57 Benzene	78	9.229	9.229	0.0	97	2967318	96.6	
58 1,2-Dichloroethane	62	9.253	9.253	0.0	73	1328568	96.0	
62 Trichloroethene	95	9.715	9.704	0.011	94	830238	97.2	
64 Methylcyclohexane	83	9.858	9.858	0.0	97	1125332	102.1	
65 1,2-Dichloropropane	63	9.917	9.917	0.0	70	888397	96.8	
67 Dibromomethane	93	10.048	10.048	0.0	91	531388	98.5	
68 Dichlorobromomethane	83	10.107	10.107	0.0	69	1124213	101.1	
69 2-Chloroethyl vinyl ether	63	10.237	10.237	0.0	91	2837304	524.2	
72 cis-1,3-Dichloropropene	75	10.427	10.427	0.0	87	1322963	101.5	
73 4-Methyl-2-pentanone (MIBK)	43	10.463	10.463	0.0	98	4114600	509.9	
74 Toluene	92	10.700	10.700	0.0	93	1900490	96.8	
75 Ethyl methacrylate	69	10.771	10.771	0.0	87	977724	112.7	
77 trans-1,3-Dichloropropene	75	10.842	10.842	0.0	83	1250135	101.3	
79 1,1,2-Trichloroethane	83	11.020	11.020	0.0	90	594747	95.8	
80 2-Hexanone	43	11.103	11.103	0.0	97	2917288	518.0	
81 Tetrachloroethene	166	11.150	11.150	0.0	85	770722	96.0	
82 1,3-Dichloropropane	76	11.162	11.162	0.0	74	1237668	95.9	
83 Chlorodibromomethane	129	11.388	11.388	0.0	89	853495	103.8	
84 Ethylene Dibromide	107	11.518	11.518	0.0	97	729663	96.7	
87 Chlorobenzene	112	11.862	11.862	0.0	74	2135653	94.8	
88 Ethylbenzene	91	11.862	11.862	0.0	93	3661175	94.2	
89 1,1,1,2-Tetrachloroethane	131	11.897	11.898	-0.001	70	829367	101.2	
90 m-Xylene & p-Xylene	106	11.945	11.945	0.0	97	2741465	193.7	
91 o-Xylene	106	12.301	12.301	0.0	84	1361812	96.7	
92 Styrene	104	12.301	12.301	0.0	85	2307089	97.5	
94 Isopropylbenzene	105	12.562	12.562	0.0	98	3486534	95.8	
95 Bromoform	173	12.585	12.585	0.0	76	552808	106.8	
97 1,1,2,2-Tetrachloroethane	83	12.846	12.846	0.0	73	934148	96.8	
98 trans-1,4-Dichloro-2-butene	53	12.882	12.882	0.0	94	1655641	521.6	
99 N-Propylbenzene	91	12.917	12.917	0.0	98	4426321	95.3	
100 1,2,3-Trichloropropane	110	12.929	12.929	0.0	1	283759	93.8	
101 Bromobenzene	156	12.965	12.965	0.0	73	928712	96.1	
102 1,3,5-Trimethylbenzene	105	13.036	13.036	0.0	70	2924796	96.0	
103 2-Chlorotoluene	126	13.083	13.083	0.0	85	872088	95.6	
105 4-Chlorotoluene	126	13.166	13.166	0.0	99	905441	96.3	
106 tert-Butylbenzene	134	13.368	13.368	0.0	92	603719	97.4	
107 1,2,4-Trimethylbenzene	105	13.403	13.404	-0.001	73	3021302	96.5	
109 sec-Butylbenzene	105	13.558	13.558	0.0	96	3434256	96.5	
110 4-Isopropyltoluene	119	13.664	13.664	0.0	95	2927556	98.4	
111 1,3-Dichlorobenzene	146	13.795	13.795	0.0	95	1711044	94.6	
113 1,4-Dichlorobenzene	146	13.878	13.878	0.0	92	1747726	93.8	
115 n-Butylbenzene	91	14.079	14.080	-0.001	98	2626569	96.7	
116 1,2-Dichlorobenzene	146	14.293	14.293	0.0	94	1666162	95.5	
117 1,2-Dibromo-3-Chloropropane	75	15.182	15.182	0.0	79	187060	101.6	
119 1,2,4-Trichlorobenzene	180	16.226	16.226	0.0	90	1154262	102.1	
120 Hexachlorobutadiene	225	16.344	16.344	0.0	76	367559	96.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	16.665	16.665	0.0	98	3050781	104.9	
122 1,2,3-Trichlorobenzene	180	17.032	17.032	0.0	92	1069845	103.0	
S 125 1,2-Dichloroethene, Total	1				0		195.4	
S 126 1,3-Dichloropropene, Total	1				0		202.8	
S 123 Total BTEX	1				0		577.9	
S 124 Xylenes, Total	1				0		290.4	

Report Date: 04-Nov-2011 20:59:48

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973C\20111104-7267.b\C15102.D

Injection Date: 04-Nov-2011 15:47:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973C

Lims Batch ID: 38908

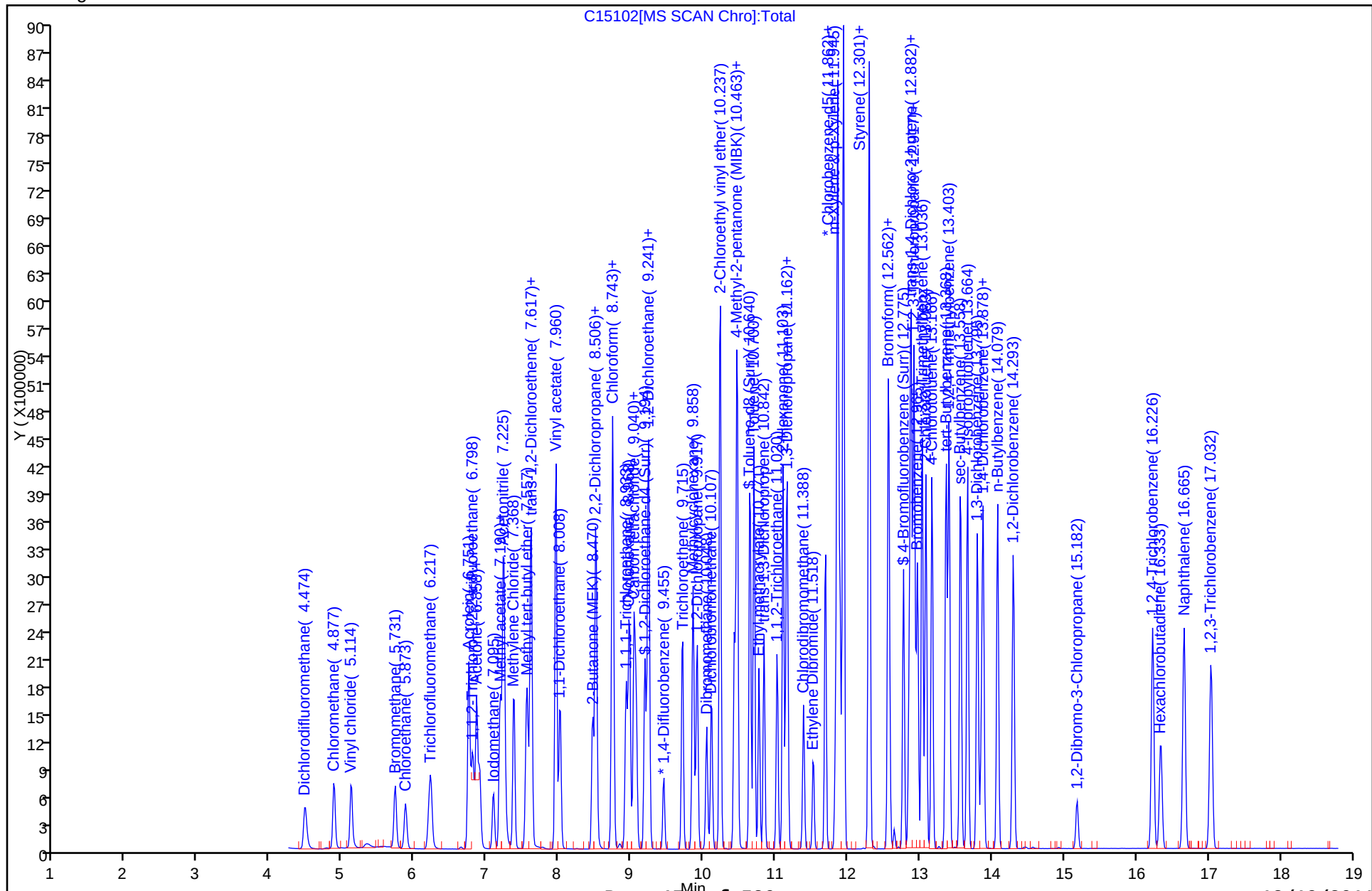
Lims Sample ID: 7

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



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

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1 Analy Batch No.: 36062

SDG No.: _____

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

Calibration Start Date: 10/19/2011 09:30 Calibration End Date: 10/19/2011 11:26 Calibration ID: 4250

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-36062/5	N2241.D
Level 2	STD 480-36062/6	N2242.D
Level 3	STD 480-36062/7	N2243.D
Level 4	STD 480-36062/8	N2244.D
Level 5	STD 480-36062/9	N2245.D
Level 6	STD 480-36062/10	N2246.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	0.2375 0.2094	0.2402	0.2268	0.2174	0.2303	Ave		0.2269				5.2		15.0			
Chloromethane	0.3058 0.2595	0.3004	0.2960	0.2741	0.2742	Ave		0.2850			0.1000	6.4		15.0			
Vinyl chloride	0.2928 0.2823	0.3148	0.3134	0.3039	0.2992	Ave		0.3011				4.1		30.0			
Bromomethane	0.2699 0.1585	0.1830	0.1589	0.1617	0.1603	Lin1F		0.1606							0.9960		0.9900
Chloroethane	0.1598 0.1780	0.2087	0.1630	0.1693	0.1737	Ave		0.1754				10.0		15.0			
Trichlorofluoromethane	0.2354 0.2802	0.2893	0.2913	0.2857	0.3051	Ave		0.2812				8.5		15.0			
Acrolein	0.0099 0.0068	0.0069	0.0063	0.0067	0.0066	Lin1F		0.0067							0.9980		0.9900
1,1-Dichloroethene	0.2965 0.2574	0.3024	0.2891	0.2771	0.2761	Ave		0.2831				5.8		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2326 0.2133	0.2306	0.2295	0.2194	0.2314	Ave		0.2262				3.5		15.0			
Acetone	0.0697 0.0657	0.0658	0.0666	0.0672	0.0658	Ave		0.0668				2.3		15.0			
Iodomethane	0.3535 0.2835	0.3141	0.3037	0.2950	0.2943	Ave		0.3073				8.1		15.0			
Carbon disulfide	0.8120 0.6405	0.7089	0.6835	0.6721	0.6801	Ave		0.6995				8.5		15.0			
Methyl acetate	0.3344 0.2855	0.2812	0.2870	0.2988	0.2948	Ave		0.2969				6.6		15.0			
Acetonitrile	0.0136 0.0128	0.0133	0.0122	0.0128	0.0127	Ave		0.0129				3.8		15.0			
Methylene Chloride	0.2862 0.2719	0.2944	0.2926	0.2796	0.2796	Ave		0.2841				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 EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1 Analy Batch No.: 36062

SDG No.: _____

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

Calibration Start Date: 10/19/2011 09:30 Calibration End Date: 10/19/2011 11:26 Calibration ID: 4250

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	0.2740 0.2817	0.2930	0.2903	0.2859	0.2847	Ave		0.2849				2.4		15.0			
Methyl tert-butyl ether	1.0052 0.8537	0.8623	0.8750	0.8595	0.8452	Ave		0.8835				6.8		15.0			
Acrylonitrile	0.1012 0.0781	0.0828	0.0776	0.0798	0.0772	Ave		0.0828				11.0		15.0			
1,1-Dichloroethane	0.4504 0.4679	0.4930	0.4806	0.4886	0.4736	Ave		0.4757			0.1000	3.2		15.0			
Vinyl acetate	0.4270 0.3617	0.3750	0.3867	0.3875	0.3807	Ave		0.3864				5.7		15.0			
2,2-Dichloropropane	0.3833 0.3354	0.3830	0.3688	0.3590	0.3531	Ave		0.3638				5.1		15.0			
cis-1,2-Dichloroethene	0.2850 0.3088	0.3209	0.3161	0.3133	0.3077	Ave		0.3086				4.1		15.0			
2-Butanone (MEK)	0.1076 0.1025	0.0994	0.1028	0.1040	0.1023	Ave		0.1031				2.6		15.0			
Bromochloromethane	0.1277 0.1449	0.1460	0.1444	0.1476	0.1445	Ave		0.1425				5.2		15.0			
Tetrahydrofuran	0.0749 0.0657	0.0654	0.0662	0.0667	0.0658	Ave		0.0675				5.4		15.0			
Chloroform	0.6228 0.4850	0.5363	0.5123	0.4998	0.4884	Ave		0.5241				9.9		30.0			
1,1,1-Trichloroethane	0.2902 0.3470	0.3252	0.3260	0.3399	0.3459	Ave		0.3290				6.5		15.0			
Cyclohexane	0.5052 0.3993	0.4518	0.4219	0.4165	0.4245	Ave		0.4365				8.6		15.0			
Carbon tetrachloride	0.3093 0.3537	0.3511	0.3514	0.3548	0.3535	Ave		0.3456				5.2		15.0			
1,1-Dichloropropene	0.3523 0.3884	0.4054	0.3934	0.4007	0.3952	Ave		0.3893				4.9		15.0			
Benzene	1.1201 1.1275	1.2005	1.1859	1.1861	1.1588	Ave		1.1632				2.9		15.0			
1,2-Dichloroethane	0.3304 0.3613	0.3649	0.3757	0.3696	0.3638	Ave		0.3609				4.4		15.0			
Trichloroethene	0.2707 0.2914	0.3041	0.2971	0.2969	0.2927	Ave		0.2922				3.9		15.0			
Methylcyclohexane	0.5466 0.4736	0.5141	0.4883	0.4782	0.4926	Ave		0.4989				5.5		15.0			
1,2-Dichloropropane	0.2473 0.2671	0.2791	0.2748	0.2739	0.2680	Ave		0.2684				4.2		30.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1 Analy Batch No.: 36062

SDG No.: _____

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

Calibration Start Date: 10/19/2011 09:30 Calibration End Date: 10/19/2011 11:26 Calibration ID: 4250

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	0.1703 0.1610	0.1607	0.1644	0.1636	0.1611	Ave		0.1635				2.2		15.0			
Bromodichloromethane	0.3750 0.3791	0.3725	0.3800	0.3804	0.3767	Ave		0.3773				0.8		15.0			
2-Chloroethyl vinyl ether	0.1813 0.1625	0.1552	0.1614	0.1643	0.1632	Ave		0.1646				5.3		15.0			
cis-1,3-Dichloropropene	0.4346 0.4661	0.4687	0.4728	0.4717	0.4682	Ave		0.4637				3.1		15.0			
4-Methyl-2-pentanone (MIBK)	0.3114 0.2408	0.2512	0.2533	0.2534	0.2469	Ave		0.2595				10.0		15.0			
Toluene	0.8326 0.8639	0.8893	0.8827	0.8857	0.8755	Ave		0.8716				2.4		30.0			
trans-1,3-Dichloropropene	0.4293 0.4901	0.4758	0.4837	0.4898	0.4892	Ave		0.4763				5.0		15.0			
Ethyl methacrylate	0.5848 0.4109	0.3961	0.3908	0.4022	0.4054	Lin1F		0.4078							0.9990		0.9900
1,1,2-Trichloroethane	0.2467 0.2289	0.2329	0.2338	0.2333	0.2297	Ave		0.2342				2.7		15.0			
Tetrachloroethene	0.3422 0.3577	0.3871	0.3605	0.3714	0.3673	Ave		0.3644				4.1		15.0			
1,3-Dichloropropane	0.4433 0.4768	0.4721	0.4843	0.4855	0.4769	Ave		0.4731				3.3		15.0			
2-Hexanone	0.2247 0.1738	0.1721	0.1752	0.1797	0.1767	Ave		0.1837				11.0		15.0			
Dibromochloromethane	0.2899 0.3262	0.3034	0.3112	0.3157	0.3222	Ave		0.3114				4.3		15.0			
1,2-Dibromoethane	0.2645 0.2795	0.2737	0.2793	0.2799	0.2770	Ave		0.2757				2.2		15.0			
Chlorobenzene	0.9307 0.9225	0.9682	0.9655	0.9466	0.9415	Ave		0.9458			0.3000	1.9		15.0			
1,1,1,2-Tetrachloroethane	0.3043 0.3239	0.3113	0.3246	0.3222	0.3276	Ave		0.3190				2.9		15.0			
Ethylbenzene	1.6236 1.5345	1.6661	1.6444	1.6563	1.6166	Ave		1.6236				2.9		30.0			
m-Xylene & p-Xylene	0.6316 0.6312	0.6605	0.6570	0.6657	0.6571	Ave		0.6505				2.3		15.0			
o-Xylene	0.6004 0.6233	0.6373	0.6293	0.6262	0.6229	Ave		0.6232				2.0		15.0			
Styrene	1.0210 1.0766	1.0625	1.0818	1.0912	1.0988	Ave		1.0720				2.6		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 EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1 Analy Batch No.: 36062

SDG No.: _____

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

Calibration Start Date: 10/19/2011 09:30 Calibration End Date: 10/19/2011 11:26 Calibration ID: 4250

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	0.1522 0.1994	0.1692	0.1840	0.1884	0.1923	Ave		0.1809			0.1000	9.6		15.0			
Isopropylbenzene	3.1018 2.7495	3.1873	3.0192	3.0030	2.9169	Ave		2.9963				5.1		15.0			
Bromobenzene	0.7629 0.7368	0.7945	0.7659	0.7673	0.7512	Ave		0.7631				2.5		15.0			
1,1,2,2-Tetrachloroethane	0.6572 0.6148	0.6510	0.6501	0.6409	0.6259	Ave		0.6400			0.3000	2.6		15.0			
1,2,3-Trichloropropane	0.1658 0.1843	0.1929	0.1968	0.1906	0.1869	Ave		0.1862				5.9		15.0			
N-Propylbenzene	3.7529 3.3096	3.8827	3.7313	3.7553	3.6007	Ave		3.6721				5.4		15.0			
trans-1,4-Dichloro-2-butene	0.2002 0.1667	0.1622	0.1646	0.1712	0.1675	Ave		0.1721				8.2		15.0			
2-Chlorotoluene	0.7492 0.6976	0.7754	0.7442	0.7320	0.7211	Ave		0.7366				3.6		15.0			
1,3,5-Trimethylbenzene	2.4752 2.3361	2.5995	2.5269	2.5339	2.4677	Ave		2.4899				3.6		15.0			
4-Chlorotoluene	2.6882 2.3580	2.6237	2.5417	2.5397	2.4712	Ave		2.5371				4.6		15.0			
tert-Butylbenzene	0.5432 0.5317	0.5780	0.5476	0.5503	0.5381	Ave		0.5481				2.9		15.0			
1,2,4-Trimethylbenzene	2.5074 2.3851	2.5966	2.5831	2.5631	2.5174	Ave		2.5255				3.1		15.0			
sec-Butylbenzene	3.1269 2.8466	3.2401	3.1282	3.1304	3.0489	Ave		3.0869				4.3		15.0			
1,3-Dichlorobenzene	1.4305 1.4399	1.5220	1.4906	1.4883	1.4821	Ave		1.4756				2.3		15.0			
4-Isopropyltoluene	2.5420 2.4625	2.7299	2.6303	2.6899	2.6123	Ave		2.6111				3.7		15.0			
1,4-Dichlorobenzene	1.5424 1.4717	1.5788	1.5482	1.5475	1.5189	Ave		1.5346				2.4		15.0			
n-Butylbenzene	2.2407 2.2245	2.4044	2.3545	2.4383	2.3325	Ave		2.3325				3.7		15.0			
1,2-Dichlorobenzene	1.3635 1.3432	1.4322	1.4240	1.4028	1.3794	Ave		1.3909				2.5		15.0			
1,2-Dibromo-3-Chloropropane	0.0772 0.1049	0.0920	0.1061	0.1059	0.1072	Ave		0.0989				12.0		15.0			
1,2,4-Trichlorobenzene	0.6236 0.7903	0.7441	0.7950	0.8428	0.8327	Ave		0.7714				10.0		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1 Analy Batch No.: 36062

SDG No.: _____

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

Calibration Start Date: 10/19/2011 09:30 Calibration End Date: 10/19/2011 11:26 Calibration ID: 4250

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	0.3317 0.3190	0.3748	0.3608	0.3582	0.3452	Ave		0.3483				5.9		15.0			
Naphthalene	1.3422 1.7953	1.6010	1.7876	1.9060	1.9187	Ave		1.7251				13.0		15.0			
1,2,3-Trichlorobenzene	0.4951 0.6318	0.6038	0.6566	0.6964	0.6820	Ave		0.6276				12.0		15.0			
1,2-Dichloroethane-d4 (Surr)	0.3564 0.3184	0.3061	0.3140	0.3371	0.3251	Ave		0.3262				5.6		15.0			
Toluene-d8 (Surr)	1.3323 1.2102	1.1876	1.1945	1.3619	1.2842	Ave		1.2618				5.9		15.0			
4-Bromofluorobenzene (Surr)	0.4240 0.3924	0.3667	0.3847	0.4132	0.4065	Ave		0.3979				5.2		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.: 480-12393-1 Analy Batch No.: 36062

SDG No.: _____

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

Calibration Start Date: 10/19/2011 09:30 Calibration End Date: 10/19/2011 11:26 Calibration ID: 4250

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-36062/5	N2241.D
Level 2	STD 480-36062/6	N2242.D
Level 3	STD 480-36062/7	N2243.D
Level 4	STD 480-36062/8	N2244.D
Level 5	STD 480-36062/9	N2245.D
Level 6	STD 480-36062/10	N2246.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	8258 779746	42084	79398	194931	411133	1.00 100	5.00	10.0	25.0	50.0
Chloromethane	DFB	Ave	10634 966529	52626	103604	245749	489523	1.00 100	5.00	10.0	25.0	50.0
Vinyl chloride	DFB	Ave	10182 1051535	55150	109704	272547	534219	1.00 100	5.00	10.0	25.0	50.0
Bromomethane	DFB	Lin1F	9385 590391	32069	55621	145027	286110	1.00 100	5.00	10.0	25.0	50.0
Chloroethane	DFB	Ave	5557 662760	36571	57046	151852	310198	1.00 100	5.00	10.0	25.0	50.0
Trichlorofluoromethane	DFB	Ave	8185 1043661	50692	101974	256229	544729	1.00 100	5.00	10.0	25.0	50.0
Acrolein	DFB	Lin1F	6869 503473	24030	44369	120543	236005	20.0 2000	100	200	500	1000
1,1-Dichloroethene	DFB	Ave	10310 958701	52981	101193	248432	492987	1.00 100	5.00	10.0	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	DFB	Ave	8089 794468	40405	80346	196761	413130	1.00 100	5.00	10.0	25.0	50.0
Acetone	DFB	Ave	12110 1223659	57605	116592	301408	587567	5.00 500	25.0	50.0	125	250
Iodomethane	DFB	Ave	12290 1055992	55028	106320	264510	525429	1.00 100	5.00	10.0	25.0	50.0
Carbon disulfide	DFB	Ave	28235 2385594	124204	239262	602708	1214245	1.00 100	5.00	10.0	25.0	50.0
Methyl acetate	DFB	Ave	11628 1063188	49262	100462	267953	526266	1.00 100	5.00	10.0	25.0	50.0
Acetonitrile	DFB	Ave	18874 1902744	93142	170450	458591	907912	40.0 4000	200	400	1000	2000
Methylene Chloride	DFB	Ave	9950 1012775	51584	102433	250753	499206	1.00 100	5.00	10.0	25.0	50.0
trans-1,2-Dichloroethene	DFB	Ave	9528 1049289	51338	101639	256351	508207	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.: 480-12393-1 Analy Batch No.: 36062

SDG No.: _____

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

Calibration Start Date: 10/19/2011 09:30 Calibration End Date: 10/19/2011 11:26 Calibration ID: 4250

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	34952 3179449	151082	306315	770747	1509004	1.00 100	5.00	10.0	25.0	50.0
Acrylonitrile	DFB	Ave	17599 1454800	72560	135819	357748	689068	5.00 500	25.0	50.0	125	250
1,1-Dichloroethane	DFB	Ave	15662 1742649	86367	168232	438119	845534	1.00 100	5.00	10.0	25.0	50.0
Vinyl acetate	DFB	Ave	74229 6735591	328468	676870	1737297	3398219	5.00 500	25.0	50.0	125	250
2,2-Dichloropropane	DFB	Ave	13327 1249080	67111	129113	321945	630467	1.00 100	5.00	10.0	25.0	50.0
cis-1,2-Dichloroethene	DFB	Ave	9908 1150027	56219	110650	280960	549400	1.00 100	5.00	10.0	25.0	50.0
2-Butanone (MEK)	DFB	Ave	18703 1908299	87066	180011	466409	912990	5.00 500	25.0	50.0	125	250
Bromochloromethane	DFB	Ave	4440 539597	25576	50551	132388	257917	1.00 100	5.00	10.0	25.0	50.0
Tetrahydrofuran	DFB	Ave	13025 1224285	57301	115959	299190	587750	5.00 500	25.0	50.0	125	250
Chloroform	DFB	Ave	21656 1806162	93963	179351	448171	871953	1.00 100	5.00	10.0	25.0	50.0
1,1,1-Trichloroethane	DFB	Ave	10092 1292212	56983	114118	304803	617549	1.00 100	5.00	10.0	25.0	50.0
Cyclohexane	DFB	Ave	17565 1486985	79155	147677	373479	757842	1.00 100	5.00	10.0	25.0	50.0
Carbon tetrachloride	DFB	Ave	10753 1317473	61521	123023	318158	631150	1.00 100	5.00	10.0	25.0	50.0
1,1-Dichloropropene	DFB	Ave	12249 1446590	71036	137719	359348	705621	1.00 100	5.00	10.0	25.0	50.0
Benzene	DFB	Ave	38947 4199276	210337	415150	1063547	2068869	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloroethane	DFB	Ave	11488 1345540	63929	131512	331396	649522	1.00 100	5.00	10.0	25.0	50.0
Trichloroethene	DFB	Ave	9414 1085324	53283	104017	266194	522508	1.00 100	5.00	10.0	25.0	50.0
Methylcyclohexane	DFB	Ave	19005 1763777	90077	170923	428786	879406	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloropropane	DFB	Ave	8599 994745	48907	96211	245622	478467	1.00 100	5.00	10.0	25.0	50.0
Dibromomethane	DFB	Ave	5920 599560	28148	57543	146736	287655	1.00 100	5.00	10.0	25.0	50.0
Bromodichloromethane	DFB	Ave	13040 1411815	65258	133036	341134	672625	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.: 480-12393-1 Analy Batch No.: 36062

SDG No.: _____

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

Calibration Start Date: 10/19/2011 09:30 Calibration End Date: 10/19/2011 11:26 Calibration ID: 4250

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	31519 3026762	135915	282434	736697	1456571	5.00 500	25.0	50.0	125	250
cis-1,3-Dichloropropene	DFB	Ave	15110 1735808	82124	165521	422950	835928	1.00 100	5.00	10.0	25.0	50.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	46880 3921679	192027	388592	992264	1921043	5.00 500	25.0	50.0	125	250
Toluene	CBZ	Ave	25072 2813608	135977	270795	693549	1362662	1.00 100	5.00	10.0	25.0	50.0
trans-1,3-Dichloropropene	CBZ	Ave	12928 1596141	72759	148385	383499	761304	1.00 100	5.00	10.0	25.0	50.0
Ethyl methacrylate	CBZ	Lin1F	17611 1338056	60568	119869	314922	630968	1.00 100	5.00	10.0	25.0	50.0
1,1,2-Trichloroethane	CBZ	Ave	7428 745469	35618	71720	182664	357562	1.00 100	5.00	10.0	25.0	50.0
Tetrachloroethene	CBZ	Ave	10305 1165014	59187	110583	290849	571722	1.00 100	5.00	10.0	25.0	50.0
1,3-Dichloropropane	CBZ	Ave	13350 1552737	72187	148574	380142	742182	1.00 100	5.00	10.0	25.0	50.0
2-Hexanone	CBZ	Ave	33834 2830090	131566	268791	703548	1375190	5.00 500	25.0	50.0	125	250
Dibromochloromethane	CBZ	Ave	8730 1062350	46398	95455	247209	501408	1.00 100	5.00	10.0	25.0	50.0
1,2-Dibromoethane	CBZ	Ave	7964 910251	41855	85670	219175	431185	1.00 100	5.00	10.0	25.0	50.0
Chlorobenzene	CBZ	Ave	28027 3004318	148044	296170	741207	1465251	1.00 100	5.00	10.0	25.0	50.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	9163 1054965	47601	99576	252300	509811	1.00 100	5.00	10.0	25.0	50.0
Ethylbenzene	CBZ	Ave	48890 4997405	254759	504441	1296950	2515995	1.00 100	5.00	10.0	25.0	50.0
m-Xylene & p-Xylene	CBZ	Ave	38039 4111130	201983	403117	1042528	2045314	2.00 200	10.0	20.0	50.0	100
o-Xylene	CBZ	Ave	18079 2029872	97451	193034	490352	969388	1.00 100	5.00	10.0	25.0	50.0
Styrene	CBZ	Ave	30744 3506191	162467	331858	854467	1710171	1.00 100	5.00	10.0	25.0	50.0
Bromoform	CBZ	Ave	4582 649460	25877	56459	147522	299219	1.00 100	5.00	10.0	25.0	50.0
Isopropylbenzene	DCB	Ave	47679 4997227	252891	493555	1269931	2495749	1.00 100	5.00	10.0	25.0	50.0
Bromobenzene	DCB	Ave	11726 1339213	63038	125202	324478	642723	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.: 480-12393-1 Analy Batch No.: 36062

SDG No.: _____

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

Calibration Start Date: 10/19/2011 09:30 Calibration End Date: 10/19/2011 11:26 Calibration ID: 4250

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	10102 1117410	51652	106274	271017	535506	1.00 100	5.00	10.0	25.0	50.0
1,2,3-Trichloropropane	DCB	Ave	2548 334987	15308	32174	80590	159923	1.00 100	5.00	10.0	25.0	50.0
N-Propylbenzene	DCB	Ave	57687 6015289	308065	609966	1588057	3080876	1.00 100	5.00	10.0	25.0	50.0
trans-1,4-Dichloro-2-butene	DCB	Ave	15385 1515270	64337	134577	361936	716638	5.00 500	25.0	50.0	125	250
2-Chlorotoluene	DCB	Ave	11516 1267922	61518	121657	309539	616978	1.00 100	5.00	10.0	25.0	50.0
1,3,5-Trimethylbenzene	DCB	Ave	38047 4245891	206248	413073	1071556	2111412	1.00 100	5.00	10.0	25.0	50.0
4-Chlorotoluene	DCB	Ave	41321 4285662	208168	415487	1074019	2114426	1.00 100	5.00	10.0	25.0	50.0
tert-Butylbenzene	DCB	Ave	8349 966451	45856	89516	232712	460377	1.00 100	5.00	10.0	25.0	50.0
1,2,4-Trimethylbenzene	DCB	Ave	38542 4334966	206021	422257	1083909	2153917	1.00 100	5.00	10.0	25.0	50.0
sec-Butylbenzene	DCB	Ave	48064 5173791	257079	511374	1323814	2608737	1.00 100	5.00	10.0	25.0	50.0
1,3-Dichlorobenzene	DCB	Ave	21989 2617056	120757	243669	629366	1268126	1.00 100	5.00	10.0	25.0	50.0
4-Isopropyltoluene	DCB	Ave	39073 4475608	216593	429983	1137539	2235126	1.00 100	5.00	10.0	25.0	50.0
1,4-Dichlorobenzene	DCB	Ave	23709 2674892	125264	253092	654430	1299585	1.00 100	5.00	10.0	25.0	50.0
n-Butylbenzene	DCB	Ave	34442 4042956	190774	384885	1031141	1995733	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichlorobenzene	DCB	Ave	20959 2441298	113631	232781	593223	1180263	1.00 100	5.00	10.0	25.0	50.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	1187 190614	7303	17345	44803	91755	1.00 100	5.00	10.0	25.0	50.0
1,2,4-Trichlorobenzene	DCB	Ave	9585 1436366	59038	129958	356404	712472	1.00 100	5.00	10.0	25.0	50.0
Hexachlorobutadiene	DCB	Ave	5099 579779	29738	58973	151498	295389	1.00 100	5.00	10.0	25.0	50.0
Naphthalene	DCB	Ave	20631 3262994	127027	292220	806039	1641652	1.00 100	5.00	10.0	25.0	50.0
1,2,3-Trichlorobenzene	DCB	Ave	7610 1148288	47908	107334	294516	583547	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloroethane-d4 (Surr)	DFB	Ave	12392 1185714	53624	109935	302253	580488	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.: 480-12393-1 Analy Batch No.: 36062

SDG No.: _____

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

Calibration Start Date: 10/19/2011 09:30 Calibration End Date: 10/19/2011 11:26 Calibration ID: 4250

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	40119 3941274	181596	366444	1066383	1998722	1.00 100	5.00	10.0	25.0	50.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	12769 1277856	56078	118007	323541	632706	1.00 100	5.00	10.0	25.0	50.0

Curve Type Legend:

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20111019-6796.b\N2241.D
 Lims ID: STD Client ID:
 Inject. Date: 19-Oct-2011 09:30:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: STD
 Misc. Info.: 480-0006796-005
 Operator: LH Instrument ID: HP5973N
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 36062 Lims Sample ID: 5
 Sublist: chrom-N-8260*sub7
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20111019-6796.b\N-8260.m
 Last Update: 19-Oct-2011 16:46:29 Calib Date: 19-Oct-2011 15:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20111019-6796.b\N2257.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: diasn

Date: 19-Oct-2011 16:46:29

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	869264	25.0	
* 2 Chlorobenzene-d5	117	7.414	7.414	0.0	85	752807	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.878	9.878	0.0	94	384281	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.226	4.226	0.0	0	12392	1.03	
\$ 6 Toluene-d8 (Surr)	98	5.966	5.966	0.0	65	40119	0.9890	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.661	8.661	0.0	75	12769	1.01	
11 Dichlorodifluoromethane	85	0.996	0.990	0.006	48	8258	1.04	
13 Chloromethane	50	1.063	1.081	-0.018	64	10634	1.05	
14 Vinyl chloride	62	1.154	1.160	-0.006	58	10182	0.9814	
15 Bromomethane	94	1.343	1.355	-0.012	85	9385	1.25	
16 Chloroethane	64	1.404	1.410	-0.006	61	5557	0.9711	
18 Trichlorofluoromethane	101	1.598	1.610	-0.012	64	8185	0.9034	
20 Acrolein	56	1.915	1.927	-0.012	44	6869	23.8	
22 1,1-Dichloroethene	96	1.969	1.988	-0.019	77	10310	1.03	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	1.982	1.988	-0.006	45	8089	1.03	
23 Acetone	43	2.067	2.061	0.006	84	12110	5.09	
24 Iodomethane	142	2.097	2.109	-0.012	73	12290	1.09	
25 Carbon disulfide	76	2.152	2.158	-0.006	98	28235	1.09	
28 Methyl acetate	43	2.328	2.316	0.012	74	11628	1.06	
29 Acetonitrile	40	2.328	2.316	0.012	96	18874	41.2	
30 Methylene Chloride	84	2.407	2.413	-0.006	63	9950	1.01	
33 trans-1,2-Dichloroethene	96	2.602	2.602	0.0	54	9528	0.9788	
32 Methyl tert-butyl ether	73	2.614	2.602	0.012	86	34952	1.08	
34 Acrylonitrile	53	2.651	2.638	0.013	84	17599	5.59	
36 1,1-Dichloroethane	63	2.973	2.973	0.0	39	15662	0.9594	
39 Vinyl acetate	43	3.040	3.034	0.006	96	74229	5.24	
42 2,2-Dichloropropane	77	3.478	3.472	0.006	54	13327	1.03	
43 cis-1,2-Dichloroethene	96	3.496	3.490	0.006	57	9908	0.9526	
44 2-Butanone (MEK)	43	3.569	3.539	0.030	94	18703	5.08	
47 Chlorobromomethane	128	3.709	3.709	0.0	73	4440	0.9276	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	3.782	3.740	0.042	77	13025	5.29	
50 Chloroform	83	3.794	3.794	0.0	86	21656	1.11	
51 1,1,1-Trichloroethane	97	3.892	3.898	-0.006	48	10092	0.9212	
52 Cyclohexane	56	3.910	3.916	-0.006	83	17565	1.10	
53 Carbon tetrachloride	117	4.026	4.032	-0.006	69	10753	0.9314	
54 1,1-Dichloropropene	75	4.038	4.044	-0.006	64	12249	0.9356	
55 Benzene	78	4.226	4.232	-0.006	91	38947	0.9714	
57 1,2-Dichloroethane	62	4.293	4.293	0.0	59	11488	0.9440	
60 Trichloroethene	95	4.829	4.829	0.0	73	9414	0.9540	
62 Methylcyclohexane	83	4.950	4.944	0.006	76	19005	1.07	
63 1,2-Dichloropropane	63	5.054	5.054	0.0	75	8599	0.9489	
64 Dibromomethane	93	5.182	5.181	0.001	75	5920	1.02	
67 Dichlorobromomethane	83	5.346	5.346	0.0	83	13040	0.99	
69 2-Chloroethyl vinyl ether	63	5.638	5.638	0.0	88	31519	5.25	
71 cis-1,3-Dichloropropene	75	5.759	5.753	0.006	61	15110	0.9590	
72 4-Methyl-2-pentanone (MIBK)	43	5.924	5.911	0.013	92	46880	5.51	
73 Toluene	92	6.033	6.033	0.0	85	25072	0.9691	
75 trans-1,3-Dichloropropene	75	6.319	6.319	0.0	74	12928	0.9342	
77 Ethyl methacrylate	69	6.398	6.392	0.006	73	17611	1.19	
78 1,1,2-Trichloroethane	83	6.502	6.495	0.007	54	7428	1.03	
79 Tetrachloroethene	166	6.550	6.550	0.0	84	10305	0.9591	
80 1,3-Dichloropropane	76	6.648	6.648	0.0	76	13350	0.9546	
82 2-Hexanone	43	6.757	6.745	0.012	92	33834	5.56	
83 Chlorodibromomethane	129	6.879	6.873	0.006	39	8730	0.9574	
84 Ethylene Dibromide	107	6.964	6.958	0.006	51	7964	0.9717	
85 Chlorobenzene	112	7.445	7.444	0.001	40	28027	0.99	
88 Ethylbenzene	91	7.548	7.548	0.0	93	48890	0.99	
89 1,1,1,2-Tetrachloroethane	131	7.548	7.548	0.0	19	9163	0.9714	
90 m-Xylene & p-Xylene	106	7.676	7.676	0.0	99	38039	1.95	
91 o-Xylene	106	8.089	8.083	0.006	90	18079	0.9789	
92 Styrene	104	8.120	8.120	0.0	80	30744	0.9667	
93 Bromoform	173	8.339	8.339	0.0	50	4582	0.8936	
95 Isopropylbenzene	105	8.479	8.479	0.0	81	47679	1.02	
97 Bromobenzene	156	8.801	8.801	0.0	81	11726	1.00	
98 1,1,2,2-Tetrachloroethane	83	8.893	8.892	0.001	57	10102	1.01	
99 1,2,3-Trichloropropane	110	8.911	8.911	0.0	28	2548	0.9304	
100 N-Propylbenzene	91	8.917	8.917	0.0	92	57687	1.00	
101 trans-1,4-Dichloro-2-butene	53	8.941	8.941	0.0	67	15385	5.39	
102 2-Chlorotoluene	126	9.008	9.008	0.0	89	11516	1.01	
104 1,3,5-Trimethylbenzene	105	9.118	9.117	0.001	83	38047	0.9883	
105 4-Chlorotoluene	91	9.130	9.130	0.0	88	41321	1.03	
106 tert-Butylbenzene	134	9.458	9.452	0.006	77	8349	0.99	
108 1,2,4-Trimethylbenzene	105	9.513	9.513	0.0	79	38542	0.9890	
109 sec-Butylbenzene	105	9.683	9.683	0.0	75	48064	1.00	
110 1,3-Dichlorobenzene	146	9.805	9.805	0.0	88	21989	0.9802	
111 4-Isopropyltoluene	119	9.842	9.841	0.001	85	39073	0.9717	
113 1,4-Dichlorobenzene	146	9.896	9.896	0.0	14	23709	1.00	
115 n-Butylbenzene	91	10.255	10.249	0.006	89	34442	0.9578	
116 1,2-Dichlorobenzene	146	10.267	10.261	0.006	83	20959	0.9858	
117 1,2-Dibromo-3-Chloropropane	75	11.022	11.028	-0.006	1	1187	0.8432	
119 1,2,4-Trichlorobenzene	180	11.727	11.721	0.006	53	9585	0.8505	
120 Hexachlorobutadiene	225	11.861	11.855	0.006	42	5099	0.9616	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	11.934	11.928	0.006	72	20631	0.8264	
122 1,2,3-Trichlorobenzene	180	12.141	12.141	0.0	53	7610	0.8310	
S 123 1,3-Dichloropropene, Total	1				0		1.89	
S 124 1,2-Dichloroethene, Total	1				0		1.93	
S 125 Total BTEX	1				0		5.86	
S 126 Xylenes, Total	1				0		2.93	

Report Date: 19-Oct-2011 16:46:30

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973N\20111019-6796.b\N2241.D

Injection Date: 19-Oct-2011 09:30:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 36062

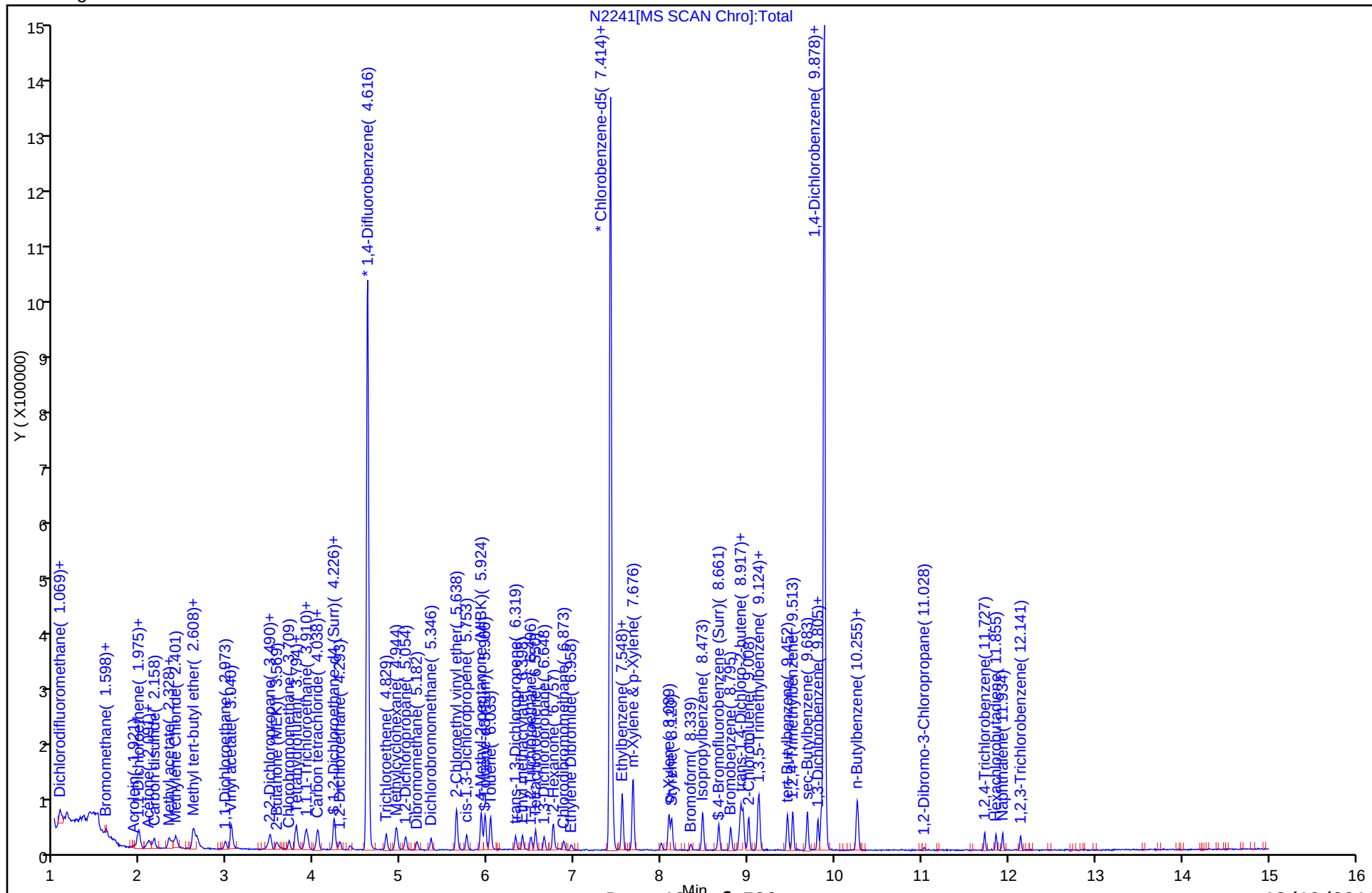
Lims Sample ID: 5

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20111019-6796.b\N2242.D
 Lims ID: STD-2 Client ID:
 Inject. Date: 19-Oct-2011 09:53:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: STD-2
 Misc. Info.: 480-0006796-006
 Operator: LH Instrument ID: HP5973N
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 36062 Lims Sample ID: 6
 Sublist: chrom-N-8260*sub7
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20111019-6796.b\N-8260.m
 Last Update: 19-Oct-2011 16:47:21 Calib Date: 19-Oct-2011 15:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20111019-6796.b\N2257.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: diasn

Date: 19-Oct-2011 16:47:21

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	876017	25.0	
* 2 Chlorobenzene-d5	117	7.414	7.414	0.0	86	764548	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.878	9.878	0.0	93	396711	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.226	4.226	0.0	0	53624	4.59	
\$ 6 Toluene-d8 (Surr)	98	5.966	5.966	0.0	72	181596	4.59	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.661	8.661	0.0	88	56078	4.57	
11 Dichlorodifluoromethane	85	0.996	0.990	0.006	97	42084	5.18	
13 Chloromethane	50	1.075	1.081	-0.006	88	52626	5.12	
14 Vinyl chloride	62	1.160	1.160	0.0	97	55150	5.18	
15 Bromomethane	94	1.349	1.355	-0.006	87	32069	4.47	
16 Chloroethane	64	1.410	1.410	0.0	98	36571	5.82	
18 Trichlorofluoromethane	101	1.610	1.610	0.0	96	50692	5.35	
20 Acrolein	56	1.921	1.927	-0.006	85	24030	87.7	
22 1,1-Dichloroethene	96	1.981	1.988	-0.007	98	52981	5.18	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	1.987	1.988	-0.001	67	40405	5.07	
23 Acetone	43	2.073	2.061	0.012	95	57605	24.3	
24 Iodomethane	142	2.103	2.109	-0.006	95	55028	4.89	
25 Carbon disulfide	76	2.158	2.158	0.0	98	124204	4.85	
28 Methyl acetate	43	2.322	2.316	0.006	73	49262	4.61	
29 Acetonitrile	40	2.322	2.316	0.006	99	93142	201.1	
30 Methylene Chloride	84	2.413	2.413	0.0	84	51584	5.13	
33 trans-1,2-Dichloroethene	96	2.608	2.602	0.006	70	51338	5.15	
32 Methyl tert-butyl ether	73	2.614	2.602	0.012	84	151082	4.74	
34 Acrylonitrile	53	2.651	2.638	0.013	96	72560	23.5	
36 1,1-Dichloroethane	63	2.979	2.973	0.006	91	86367	5.16	
39 Vinyl acetate	43	3.040	3.034	0.006	97	328468	23.6	
42 2,2-Dichloropropane	77	3.472	3.472	0.0	85	67111	5.11	
43 cis-1,2-Dichloroethene	96	3.496	3.490	0.006	81	56219	5.24	
44 2-Butanone (MEK)	43	3.551	3.539	0.012	96	87066	24.0	
47 Chlorobromomethane	128	3.709	3.709	0.0	88	25576	5.20	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	3.764	3.740	0.024	81	57301	23.7	
50 Chloroform	83	3.794	3.794	0.0	77	93963	4.85	
51 1,1,1-Trichloroethane	97	3.898	3.898	0.0	91	56983	5.11	
52 Cyclohexane	56	3.922	3.916	0.006	78	79155	4.93	
53 Carbon tetrachloride	117	4.032	4.032	0.0	84	61521	5.19	
54 1,1-Dichloropropene	75	4.044	4.044	0.0	92	71036	5.25	
55 Benzene	78	4.232	4.232	0.0	97	210337	5.14	
57 1,2-Dichloroethane	62	4.293	4.293	0.0	80	63929	5.14	
60 Trichloroethene	95	4.828	4.829	-0.001	92	53283	5.23	
62 Methylcyclohexane	83	4.944	4.944	0.0	86	90077	5.01	
63 1,2-Dichloropropane	63	5.054	5.054	0.0	88	48907	5.23	
64 Dibromomethane	93	5.181	5.181	0.0	88	28148	4.87	
67 Dichlorobromomethane	83	5.346	5.346	0.0	93	65258	4.95	
69 2-Chloroethyl vinyl ether	63	5.638	5.638	0.0	94	135915	23.2	
71 cis-1,3-Dichloropropene	75	5.753	5.753	0.0	84	82124	5.11	
72 4-Methyl-2-pentanone (MIBK)	43	5.917	5.911	0.006	96	192027	23.1	
73 Toluene	92	6.033	6.033	0.0	90	135977	5.12	
75 trans-1,3-Dichloropropene	75	6.319	6.319	0.0	90	72759	5.12	
77 Ethyl methacrylate	69	6.398	6.392	0.006	84	60568	4.30	
78 1,1,2-Trichloroethane	83	6.495	6.495	0.0	93	35618	4.90	
79 Tetrachloroethene	166	6.550	6.550	0.0	89	59187	5.27	
80 1,3-Dichloropropane	76	6.647	6.648	-0.001	87	72187	5.05	
82 2-Hexanone	43	6.751	6.745	0.006	93	131566	22.4	
83 Chlorodibromomethane	129	6.879	6.873	0.006	82	46398	5.01	
84 Ethylene Dibromide	107	6.958	6.958	0.0	88	41855	5.02	
85 Chlorobenzene	112	7.438	7.444	-0.006	88	148044	5.10	
88 Ethylbenzene	91	7.548	7.548	0.0	98	254759	5.05	
89 1,1,1,2-Tetrachloroethane	131	7.548	7.548	0.0	41	47601	4.98	
90 m-Xylene & p-Xylene	106	7.670	7.676	-0.006	99	201983	10.1	
91 o-Xylene	106	8.089	8.083	0.006	96	97451	5.13	
92 Styrene	104	8.120	8.120	0.0	91	162467	5.02	
93 Bromoform	173	8.339	8.339	0.0	83	25877	4.98	
95 Isopropylbenzene	105	8.479	8.479	0.0	95	252891	5.15	
97 Bromobenzene	156	8.801	8.801	0.0	90	63038	5.13	
98 1,1,2,2-Tetrachloroethane	83	8.892	8.892	0.0	96	51652	5.01	
99 1,2,3-Trichloropropane	110	8.911	8.911	0.0	52	15308	5.27	
100 N-Propylbenzene	91	8.917	8.917	0.0	98	308065	5.11	
101 trans-1,4-Dichloro-2-butene	53	8.941	8.941	0.0	86	64337	22.8	
102 2-Chlorotoluene	126	9.008	9.008	0.0	94	61518	5.15	
104 1,3,5-Trimethylbenzene	105	9.117	9.117	0.0	86	206248	5.12	
105 4-Chlorotoluene	91	9.130	9.130	0.0	98	208168	5.01	
106 tert-Butylbenzene	134	9.452	9.452	0.0	89	45856	5.19	
108 1,2,4-Trimethylbenzene	105	9.513	9.513	0.0	66	206021	5.08	
109 sec-Butylbenzene	105	9.683	9.683	0.0	92	257079	5.12	
110 1,3-Dichlorobenzene	146	9.805	9.805	0.0	98	120757	5.14	
111 4-Isopropyltoluene	119	9.841	9.841	0.0	93	216593	5.14	
113 1,4-Dichlorobenzene	146	9.902	9.896	0.006	84	125264	5.07	
115 n-Butylbenzene	91	10.249	10.249	0.0	94	190774	5.09	
116 1,2-Dichlorobenzene	146	10.267	10.261	0.006	97	113631	5.12	
117 1,2-Dibromo-3-Chloropropane	75	11.028	11.028	0.0	55	7303	5.02	
119 1,2,4-Trichlorobenzene	180	11.727	11.721	0.006	93	59038	5.05	
120 Hexachlorobutadiene	225	11.855	11.855	0.0	89	29738	5.28	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	11.934	11.928	0.006	96	127027	4.95	
122 1,2,3-Trichlorobenzene	180	12.141	12.141	0.0	94	47908	5.04	
S 123 1,3-Dichloropropene, Total	1				0		10.2	
S 124 1,2-Dichloroethene, Total	1				0		10.4	
S 125 Total BTEX	1				0		30.6	
S 126 Xylenes, Total	1				0		15.2	

Report Date: 19-Oct-2011 16:47:21

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973N\20111019-6796.b\N2242.D

Injection Date: 19-Oct-2011 09:53:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 36062

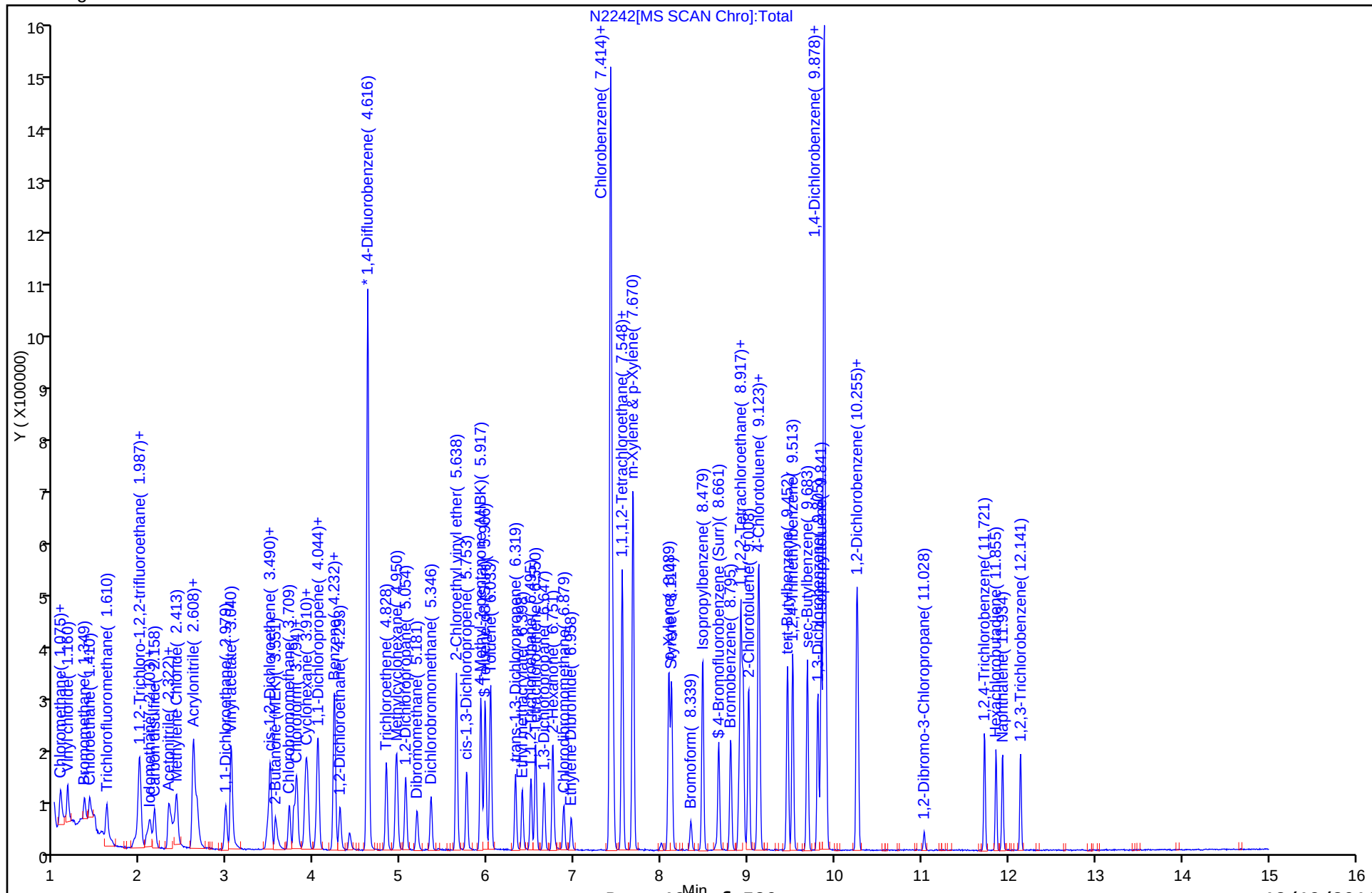
Lims Sample ID: 6

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20111019-6796.b\N2243.D
 Lims ID: STD-3 Client ID:
 Inject. Date: 19-Oct-2011 10:16:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: STD-3
 Misc. Info.: 480-0006796-007
 Operator: LH Instrument ID: HP5973N
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 36062 Lims Sample ID: 7
 Sublist: chrom-N-8260*sub7
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20111019-6796.b\N-8260.m
 Last Update: 19-Oct-2011 16:51:48 Calib Date: 19-Oct-2011 15:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20111019-6796.b\N2257.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: diasn

Date: 19-Oct-2011 16:51:48

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	875166	25.0	
* 2 Chlorobenzene-d5	117	7.414	7.414	0.0	86	766911	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.878	9.878	0.0	92	408677	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.226	4.226	0.0	0	109935	9.56	
\$ 6 Toluene-d8 (Surr)	98	5.966	5.966	0.0	71	366444	9.41	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.661	8.661	0.0	88	118007	9.69	
11 Dichlorodifluoromethane	85	1.002	0.990	0.012	96	79398	9.84	
13 Chloromethane	50	1.081	1.081	0.0	88	103604	10.1	
14 Vinyl chloride	62	1.160	1.160	0.0	66	109704	10.2	
15 Bromomethane	94	1.355	1.355	0.0	88	55621	8.22	
16 Chloroethane	64	1.416	1.410	0.006	99	57046	9.30	
18 Trichlorofluoromethane	101	1.610	1.610	0.0	98	101974	10.6	
20 Acrolein	56	1.927	1.927	0.0	88	44369	170.2	
22 1,1-Dichloroethene	96	1.988	1.988	0.0	98	101193	9.92	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	1.994	1.988	0.006	71	80346	10.1	
23 Acetone	43	2.067	2.061	0.006	99	116592	49.5	
24 Iodomethane	142	2.103	2.109	-0.006	96	106320	9.59	
25 Carbon disulfide	76	2.164	2.158	0.006	98	239262	9.50	
28 Methyl acetate	43	2.322	2.316	0.006	80	100462	9.55	
29 Acetonitrile	40	2.322	2.316	0.006	99	170450	375.9	
30 Methylene Chloride	84	2.413	2.413	0.0	78	102433	10.2	
33 trans-1,2-Dichloroethene	96	2.602	2.602	0.0	72	101639	10.2	
32 Methyl tert-butyl ether	73	2.608	2.602	0.006	94	306315	9.72	
34 Acrylonitrile	53	2.645	2.638	0.007	98	135819	45.5	
36 1,1-Dichloroethane	63	2.979	2.973	0.006	97	168232	10.1	
39 Vinyl acetate	43	3.040	3.034	0.006	97	676870	49.1	
42 2,2-Dichloropropane	77	3.472	3.472	0.0	85	129113	9.87	
43 cis-1,2-Dichloroethene	96	3.496	3.490	0.006	82	110650	10.2	
44 2-Butanone (MEK)	43	3.545	3.539	0.006	96	180011	49.7	
47 Chlorobromomethane	128	3.715	3.709	0.006	88	50551	10.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	3.752	3.740	0.012	84	115959	48.5	
50 Chloroform	83	3.794	3.794	0.0	94	179351	9.44	
51 1,1,1-Trichloroethane	97	3.904	3.898	0.006	88	114118	10.2	
52 Cyclohexane	56	3.916	3.916	0.0	89	147677	9.40	
53 Carbon tetrachloride	117	4.032	4.032	0.0	86	123023	10.3	
54 1,1-Dichloropropene	75	4.044	4.044	0.0	92	137719	10.1	
55 Benzene	78	4.232	4.232	0.0	96	415150	10.1	
57 1,2-Dichloroethane	62	4.299	4.293	0.006	74	131512	10.4	
60 Trichloroethene	95	4.829	4.829	0.0	95	104017	10.2	
62 Methylcyclohexane	83	4.950	4.944	0.006	87	170923	9.63	
63 1,2-Dichloropropane	63	5.054	5.054	0.0	91	96211	10.2	
64 Dibromomethane	93	5.181	5.181	0.0	86	57543	9.98	
67 Dichlorobromomethane	83	5.346	5.346	0.0	93	133036	10.1	
69 2-Chloroethyl vinyl ether	63	5.638	5.638	0.0	92	282434	48.7	
71 cis-1,3-Dichloropropene	75	5.753	5.753	0.0	87	165521	10.2	
72 4-Methyl-2-pentanone (MIBK)	43	5.918	5.911	0.007	96	388592	47.4	
73 Toluene	92	6.033	6.033	0.0	91	270795	10.1	
75 trans-1,3-Dichloropropene	75	6.319	6.319	0.0	95	148385	10.3	
77 Ethyl methacrylate	69	6.398	6.392	0.006	87	119869	8.81	
78 1,1,2-Trichloroethane	83	6.495	6.495	0.0	91	71720	9.88	
79 Tetrachloroethene	166	6.550	6.550	0.0	90	110583	9.87	
80 1,3-Dichloropropane	76	6.648	6.648	0.0	91	148574	10.3	
82 2-Hexanone	43	6.745	6.745	0.0	95	268791	46.6	
83 Chlorodibromomethane	129	6.873	6.873	0.0	87	95455	10.2	
84 Ethylene Dibromide	107	6.958	6.958	0.0	97	85670	10.2	
85 Chlorobenzene	112	7.438	7.444	-0.006	92	296170	10.1	
88 Ethylbenzene	91	7.548	7.548	0.0	98	504441	9.98	
89 1,1,1,2-Tetrachloroethane	131	7.548	7.548	0.0	40	99576	10.3	
90 m-Xylene & p-Xylene	106	7.676	7.676	0.0	100	403117	20.1	
91 o-Xylene	106	8.083	8.083	0.0	97	193034	10.1	
92 Styrene	104	8.120	8.120	0.0	95	331858	10.2	
93 Bromoform	173	8.339	8.339	0.0	93	56459	10.6	
95 Isopropylbenzene	105	8.479	8.479	0.0	95	493555	9.81	
97 Bromobenzene	156	8.801	8.801	0.0	91	125202	9.91	
98 1,1,2,2-Tetrachloroethane	83	8.892	8.892	0.0	97	106274	10.0	
99 1,2,3-Trichloropropane	110	8.911	8.911	0.0	52	32174	10.6	
100 N-Propylbenzene	91	8.917	8.917	0.0	98	609966	9.87	
101 trans-1,4-Dichloro-2-butene	53	8.941	8.941	0.0	86	134577	47.2	
102 2-Chlorotoluene	126	9.008	9.008	0.0	94	121657	9.92	
104 1,3,5-Trimethylbenzene	105	9.117	9.117	0.0	87	413073	9.97	
105 4-Chlorotoluene	91	9.130	9.130	0.0	98	415487	9.78	
106 tert-Butylbenzene	134	9.452	9.452	0.0	91	89516	9.87	
108 1,2,4-Trimethylbenzene	105	9.513	9.513	0.0	63	422257	10.1	
109 sec-Butylbenzene	105	9.683	9.683	0.0	93	511374	9.91	
110 1,3-Dichlorobenzene	146	9.805	9.805	0.0	98	243669	10.1	
111 4-Isopropyltoluene	119	9.841	9.841	0.0	88	429983	9.93	
113 1,4-Dichlorobenzene	146	9.902	9.896	0.006	94	253092	9.96	
115 n-Butylbenzene	91	10.249	10.249	0.0	94	384885	9.98	
116 1,2-Dichlorobenzene	146	10.261	10.261	0.0	96	232781	10.1	
117 1,2-Dibromo-3-Chloropropane	75	11.028	11.028	0.0	63	17345	11.1	
119 1,2,4-Trichlorobenzene	180	11.727	11.721	0.006	94	129958	10.6	
120 Hexachlorobutadiene	225	11.855	11.855	0.0	95	58973	10.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	11.934	11.928	0.006	97	292220	10.8	
122 1,2,3-Trichlorobenzene	180	12.141	12.141	0.0	96	107334	10.7	
S 123 1,3-Dichloropropene, Total	1				0		20.5	
S 124 1,2-Dichloroethene, Total	1				0		20.4	
S 125 Total BTEX	1				0		60.4	
S 126 Xylenes, Total	1				0		30.2	

Report Date: 19-Oct-2011 16:51:48

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973N\20111019-6796.b\N2243.D

Injection Date: 19-Oct-2011 10:16:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 36062

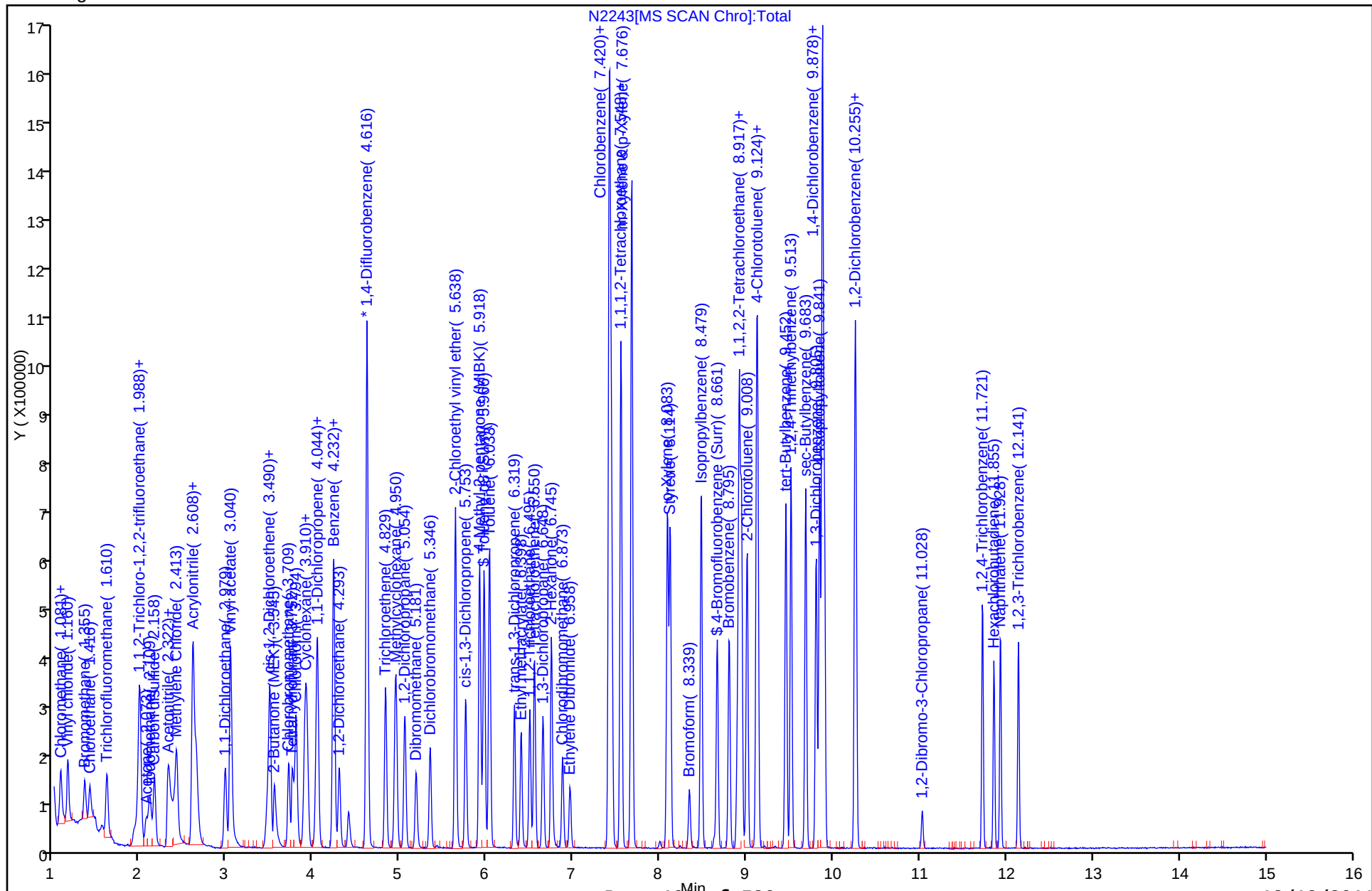
Lims Sample ID: 7

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20111019-6796.b\N2244.D
 Lims ID: STD-4 Client ID:
 Inject. Date: 19-Oct-2011 10:39:30 Dil. Factor: 1.0000
 Sample Type: ICIS Calib Level: 4
 Sample ID: STD-4
 Misc. Info.: 480-0006796-008
 Operator: LH Instrument ID: HP5973N
 Vol. Injected: 1.0000 ALS Bottle#: 5
 Lims Batch ID: 36062 Lims Sample ID: 8
 Sublist: chrom-N-8260*sub7
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20111019-6796.b\N-8260.m
 Last Update: 19-Oct-2011 16:44:08 Calib Date: 19-Oct-2011 15:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20111019-6796.b\N2257.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: diasn

Date: 19-Oct-2011 16:44:08

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	896699	25.0	
* 2 Chlorobenzene-d5	117	7.414	7.414	0.0	86	783034	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.878	9.878	0.0	83	422885	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.226	4.226	0.0	0	302253	25.0	
\$ 6 Toluene-d8 (Surr)	98	5.966	5.966	0.0	72	1066383	25.0	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.661	8.661	0.0	88	323541	25.0	
11 Dichlorodifluoromethane	85	0.990	0.990	0.0	98	194931	25.0	
13 Chloromethane	50	1.081	1.081	0.0	100	245749	25.0	
14 Vinyl chloride	62	1.160	1.160	0.0	97	272547	25.0	
15 Bromomethane	94	1.355	1.355	0.0	89	145027	25.0	
16 Chloroethane	64	1.410	1.410	0.0	91	151852	25.0	
18 Trichlorofluoromethane	101	1.610	1.610	0.0	97	256229	25.0	
20 Acrolein	56	1.927	1.927	0.0	87	120543	500.0	
22 1,1-Dichloroethene	96	1.988	1.988	0.0	98	248432	25.0	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	1.988	1.988	0.0	69	196761	25.0	
23 Acetone	43	2.061	2.061	0.0	95	301408	125.0	
24 Iodomethane	142	2.109	2.109	0.0	97	264510	25.0	
25 Carbon disulfide	76	2.158	2.158	0.0	98	602708	25.0	
28 Methyl acetate	43	2.316	2.316	0.0	78	267953	25.0	
29 Acetonitrile	40	2.316	2.316	0.0	99	458591	1000.0	
30 Methylene Chloride	84	2.413	2.413	0.0	78	250753	25.0	
33 trans-1,2-Dichloroethene	96	2.602	2.602	0.0	65	256351	25.0	
32 Methyl tert-butyl ether	73	2.602	2.602	0.0	88	770747	25.0	
34 Acrylonitrile	53	2.638	2.638	0.0	96	357748	125.0	
36 1,1-Dichloroethane	63	2.973	2.973	0.0	97	438119	25.0	
39 Vinyl acetate	43	3.034	3.034	0.0	97	1737297	125.0	
42 2,2-Dichloropropane	77	3.472	3.472	0.0	84	321945	25.0	
43 cis-1,2-Dichloroethene	96	3.490	3.490	0.0	83	280960	25.0	
44 2-Butanone (MEK)	43	3.539	3.539	0.0	92	466409	125.0	
47 Chlorobromomethane	128	3.709	3.709	0.0	90	132388	25.0	

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	299190	125.0	
50 Chloroform	83	3.794	3.794	0.0	89	448171	25.0	
51 1,1,1-Trichloroethane	97	3.898	3.898	0.0	91	304803	25.0	
52 Cyclohexane	56	3.916	3.916	0.0	85	373479	25.0	
53 Carbon tetrachloride	117	4.032	4.032	0.0	81	318158	25.0	
54 1,1-Dichloropropene	75	4.044	4.044	0.0	94	359348	25.0	
55 Benzene	78	4.232	4.232	0.0	96	1063547	25.0	
57 1,2-Dichloroethane	62	4.293	4.293	0.0	81	331396	25.0	
60 Trichloroethene	95	4.829	4.829	0.0	97	266194	25.0	
62 Methylcyclohexane	83	4.944	4.944	0.0	89	428786	25.0	
63 1,2-Dichloropropane	63	5.054	5.054	0.0	93	245622	25.0	
64 Dibromomethane	93	5.181	5.181	0.0	87	146736	25.0	
67 Dichlorobromomethane	83	5.346	5.346	0.0	94	341134	25.0	
69 2-Chloroethyl vinyl ether	63	5.638	5.638	0.0	94	736697	125.0	
71 cis-1,3-Dichloropropene	75	5.753	5.753	0.0	89	422950	25.0	
72 4-Methyl-2-pentanone (MIBK)	43	5.911	5.911	0.0	96	992264	125.0	
73 Toluene	92	6.033	6.033	0.0	88	693549	25.0	
75 trans-1,3-Dichloropropene	75	6.319	6.319	0.0	94	383499	25.0	
77 Ethyl methacrylate	69	6.392	6.392	0.0	88	314922	25.0	
78 1,1,2-Trichloroethane	83	6.495	6.495	0.0	92	182664	25.0	
79 Tetrachloroethene	166	6.550	6.550	0.0	90	290849	25.0	
80 1,3-Dichloropropane	76	6.648	6.648	0.0	87	380142	25.0	
82 2-Hexanone	43	6.745	6.745	0.0	94	703548	125.0	
83 Chlorodibromomethane	129	6.873	6.873	0.0	87	247209	25.0	
84 Ethylene Dibromide	107	6.958	6.958	0.0	98	219175	25.0	
85 Chlorobenzene	112	7.444	7.444	0.0	93	741207	25.0	
88 Ethylbenzene	91	7.548	7.548	0.0	98	1296950	25.0	
89 1,1,1,2-Tetrachloroethane	131	7.548	7.548	0.0	40	252300	25.0	
90 m-Xylene & p-Xylene	106	7.676	7.676	0.0	100	1042528	50.0	
91 o-Xylene	106	8.083	8.083	0.0	97	490352	25.0	
92 Styrene	104	8.120	8.120	0.0	94	854467	25.0	
93 Bromoform	173	8.339	8.339	0.0	91	147522	25.0	
95 Isopropylbenzene	105	8.479	8.479	0.0	95	1269931	25.0	
97 Bromobenzene	156	8.801	8.801	0.0	91	324478	25.0	
98 1,1,2,2-Tetrachloroethane	83	8.892	8.892	0.0	97	271017	25.0	
99 1,2,3-Trichloropropane	110	8.911	8.911	0.0	51	80590	25.0	
100 N-Propylbenzene	91	8.917	8.917	0.0	98	1588057	25.0	
101 trans-1,4-Dichloro-2-butene	53	8.941	8.941	0.0	91	361936	125.0	
102 2-Chlorotoluene	126	9.008	9.008	0.0	94	309539	25.0	
104 1,3,5-Trimethylbenzene	105	9.117	9.117	0.0	86	1071556	25.0	
105 4-Chlorotoluene	91	9.130	9.130	0.0	98	1074019	25.0	
106 tert-Butylbenzene	134	9.452	9.452	0.0	90	232712	25.0	
108 1,2,4-Trimethylbenzene	105	9.513	9.513	0.0	70	1083909	25.0	
109 sec-Butylbenzene	105	9.683	9.683	0.0	94	1323814	25.0	
110 1,3-Dichlorobenzene	146	9.805	9.805	0.0	98	629366	25.0	
111 4-Isopropyltoluene	119	9.841	9.841	0.0	86	1137539	25.0	
113 1,4-Dichlorobenzene	146	9.902	9.902	0.0	94	654430	25.0	
115 n-Butylbenzene	91	10.249	10.249	0.0	95	1031141	25.0	
116 1,2-Dichlorobenzene	146	10.261	10.261	0.0	97	593223	25.0	
117 1,2-Dibromo-3-Chloropropane	75	11.028	11.028	0.0	78	44803	25.0	
119 1,2,4-Trichlorobenzene	180	11.721	11.721	0.0	94	356404	25.0	
120 Hexachlorobutadiene	225	11.855	11.855	0.0	95	151498	25.0	

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	806039	25.0	
122 1,2,3-Trichlorobenzene	180	12.141	12.141	0.0	96	294516	25.0	
S 123 1,3-Dichloropropene, Total	1				0		50.0	
S 124 1,2-Dichloroethene, Total	1				0		50.0	
S 125 Total BTEX	1				0		150.0	
S 126 Xylenes, Total	1				0		75.0	

Report Date: 19-Oct-2011 16:44:08

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973N\20111019-6796.b\N2244.D

Injection Date: 19-Oct-2011 10:39:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 36062

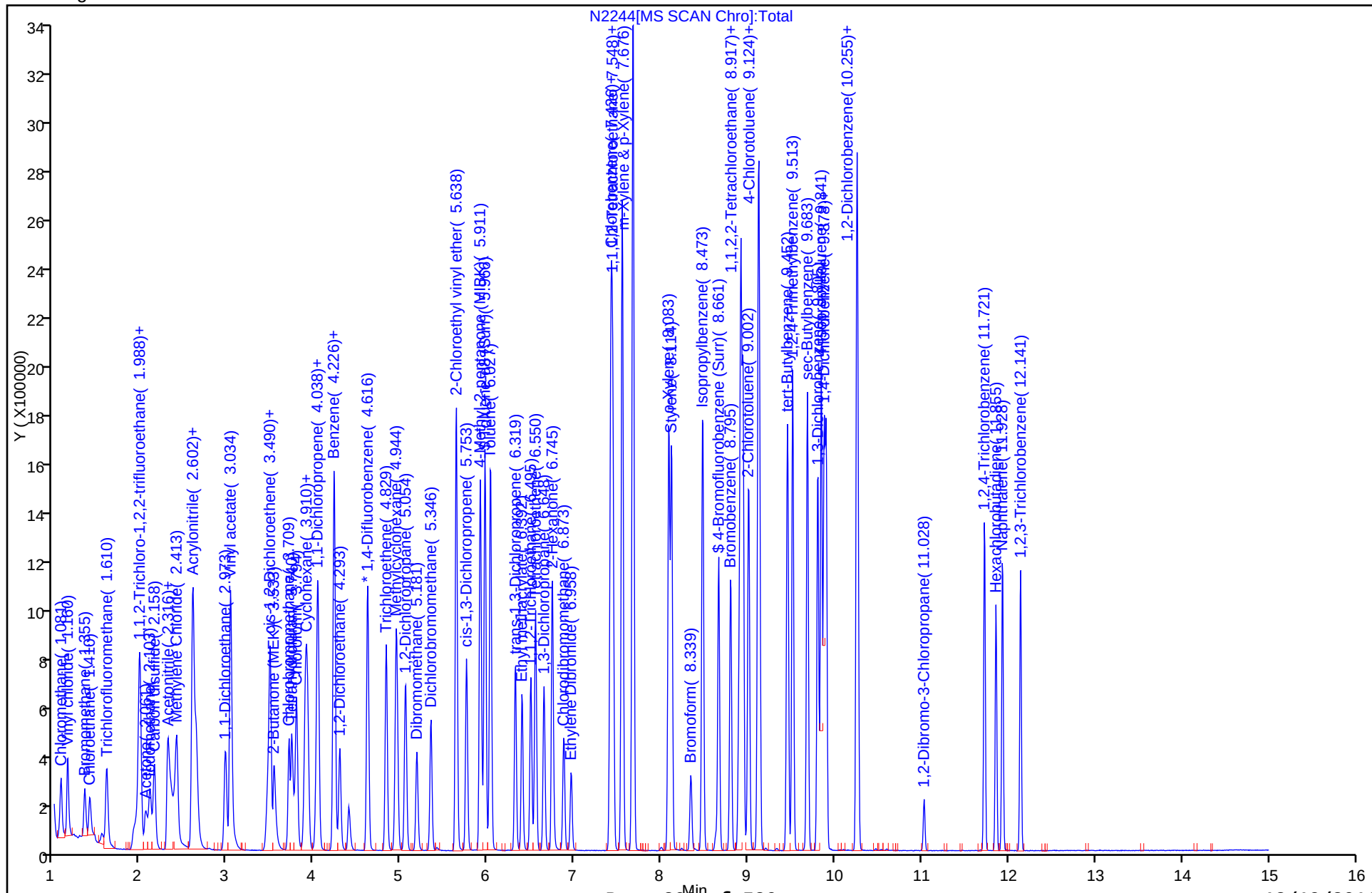
Lims Sample ID: 8

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20111019-6796.b\N2245.D
 Lims ID: STD-5 Client ID:
 Inject. Date: 19-Oct-2011 11:03:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: STD-5
 Misc. Info.: 480-0006796-009
 Operator: LH Instrument ID: HP5973N
 Vol. Injected: 1.0000 ALS Bottle#: 6
 Lims Batch ID: 36062 Lims Sample ID: 9
 Sublist: chrom-N-8260*sub7
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20111019-6796.b\N-8260.m
 Last Update: 19-Oct-2011 16:52:42 Calib Date: 19-Oct-2011 15:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20111019-6796.b\N2257.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: diasn

Date: 19-Oct-2011 16:52:42

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	892672	25.0	
* 2 Chlorobenzene-d5	117	7.414	7.414	0.0	86	778179	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.878	9.878	0.0	71	427813	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.226	4.226	0.0	0	580488	49.6	
\$ 6 Toluene-d8 (Surr)	98	5.966	5.966	0.0	72	1998722	50.5	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.661	8.661	0.0	89	632706	50.9	
11 Dichlorodifluoromethane	85	1.002	0.990	0.012	86	411133	50.0	
13 Chloromethane	50	1.093	1.081	0.012	89	489523	47.3	
14 Vinyl chloride	62	1.166	1.160	0.006	98	534219	49.1	
15 Bromomethane	94	1.367	1.355	0.012	90	286110	49.2	
16 Chloroethane	64	1.422	1.410	0.012	91	310198	49.7	
18 Trichlorofluoromethane	101	1.617	1.610	0.006	98	544729	54.2	
20 Acrolein	56	1.927	1.927	0.0	89	236005	992.4	
22 1,1-Dichloroethene	96	1.994	1.988	0.006	99	492987	47.9	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.000	1.988	0.012	73	413130	50.6	
23 Acetone	43	2.061	2.061	0.0	96	587567	245.5	
24 Iodomethane	142	2.115	2.109	0.006	97	525429	47.1	
25 Carbon disulfide	76	2.164	2.158	0.006	98	1214245	47.8	
28 Methyl acetate	43	2.316	2.316	0.0	80	526266	49.3	
29 Acetonitrile	40	2.316	2.316	0.0	99	907912	1970.1	
30 Methylene Chloride	84	2.420	2.413	0.007	80	499206	48.8	
33 trans-1,2-Dichloroethene	96	2.608	2.602	0.006	65	508207	49.8	
32 Methyl tert-butyl ether	73	2.602	2.602	0.0	94	1509004	47.5	
34 Acrylonitrile	53	2.645	2.638	0.007	98	689068	230.5	
36 1,1-Dichloroethane	63	2.979	2.973	0.006	97	845534	49.6	
39 Vinyl acetate	43	3.040	3.034	0.006	97	3398219	243.2	
42 2,2-Dichloropropane	77	3.478	3.472	0.006	82	630467	47.8	
43 cis-1,2-Dichloroethene	96	3.496	3.490	0.006	82	549400	49.9	
44 2-Butanone (MEK)	43	3.533	3.539	-0.006	92	912990	247.7	
47 Chlorobromomethane	128	3.715	3.709	0.006	90	257917	50.9	

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	587750	242.7	
50 Chloroform	83	3.801	3.794	0.006	79	871953	45.9	
51 1,1,1-Trichloroethane	97	3.904	3.898	0.006	90	617549	53.1	
52 Cyclohexane	56	3.916	3.916	0.0	82	757842	47.8	
53 Carbon tetrachloride	117	4.038	4.032	0.006	72	631150	51.4	
54 1,1-Dichloropropene	75	4.044	4.044	0.0	94	705621	50.7	
55 Benzene	78	4.232	4.232	0.0	96	2068869	49.5	
57 1,2-Dichloroethane	62	4.293	4.293	0.0	80	649522	50.4	
60 Trichloroethene	95	4.829	4.829	0.0	97	522508	50.1	
62 Methylcyclohexane	83	4.950	4.944	0.006	88	879406	48.9	
63 1,2-Dichloropropane	63	5.054	5.054	0.0	91	478467	49.9	
64 Dibromomethane	93	5.181	5.181	0.0	88	287655	49.1	
67 Dichlorobromomethane	83	5.346	5.346	0.0	95	672625	50.0	
69 2-Chloroethyl vinyl ether	63	5.638	5.638	0.0	94	1456571	247.1	
71 cis-1,3-Dichloropropene	75	5.753	5.753	0.0	91	835928	50.5	
72 4-Methyl-2-pentanone (MIBK)	43	5.912	5.911	0.001	95	1921043	234.5	
73 Toluene	92	6.033	6.033	0.0	89	1362662	50.1	
75 trans-1,3-Dichloropropene	75	6.319	6.319	0.0	94	761304	51.6	
77 Ethyl methacrylate	69	6.392	6.392	0.0	89	630968	50.1	
78 1,1,2-Trichloroethane	83	6.496	6.495	0.001	91	357562	48.8	
79 Tetrachloroethene	166	6.550	6.550	0.0	89	571722	50.2	
80 1,3-Dichloropropane	76	6.648	6.648	0.0	88	742182	50.5	
82 2-Hexanone	43	6.739	6.745	-0.006	95	1375190	237.9	
83 Chlorodibromomethane	129	6.879	6.873	0.006	86	501408	52.2	
84 Ethylene Dibromide	107	6.958	6.958	0.0	98	431185	50.4	
85 Chlorobenzene	112	7.445	7.444	0.001	94	1465251	49.5	
88 Ethylbenzene	91	7.548	7.548	0.0	98	2515995	49.2	
89 1,1,1,2-Tetrachloroethane	131	7.548	7.548	0.0	40	509811	51.5	
90 m-Xylene & p-Xylene	106	7.676	7.676	0.0	99	2045314	100.4	
91 o-Xylene	106	8.089	8.083	0.006	96	969388	50.0	
92 Styrene	104	8.120	8.120	0.0	94	1710171	51.3	
93 Bromoform	173	8.339	8.339	0.0	91	299219	54.2	
95 Isopropylbenzene	105	8.479	8.479	0.0	96	2495749	47.9	
97 Bromobenzene	156	8.801	8.801	0.0	91	642723	48.9	
98 1,1,2,2-Tetrachloroethane	83	8.892	8.892	0.0	97	535506	48.5	
99 1,2,3-Trichloropropane	110	8.911	8.911	0.0	52	159923	50.1	
100 N-Propylbenzene	91	8.917	8.917	0.0	97	3080876	48.1	
101 trans-1,4-Dichloro-2-butene	53	8.941	8.941	0.0	92	716638	241.9	
102 2-Chlorotoluene	126	9.008	9.008	0.0	95	616978	48.4	
104 1,3,5-Trimethylbenzene	105	9.118	9.117	0.001	87	2111412	48.9	
105 4-Chlorotoluene	91	9.130	9.130	0.0	98	2114426	48.0	
106 tert-Butylbenzene	134	9.452	9.452	0.0	91	460377	48.8	
108 1,2,4-Trimethylbenzene	105	9.513	9.513	0.0	63	2153917	49.3	
109 sec-Butylbenzene	105	9.683	9.683	0.0	94	2608737	48.6	
110 1,3-Dichlorobenzene	146	9.805	9.805	0.0	98	1268126	50.0	
111 4-Isopropyltoluene	119	9.842	9.841	0.001	88	2235126	49.5	
113 1,4-Dichlorobenzene	146	9.902	9.896	0.006	94	1299585	49.1	
115 n-Butylbenzene	91	10.249	10.249	0.0	94	1995733	49.5	
116 1,2-Dichlorobenzene	146	10.267	10.261	0.006	98	1180263	49.3	
117 1,2-Dibromo-3-Chloropropane	75	11.028	11.028	0.0	83	91755	54.9	
119 1,2,4-Trichlorobenzene	180	11.727	11.721	0.006	94	712472	54.2	
120 Hexachlorobutadiene	225	11.855	11.855	0.0	96	295389	48.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	11.934	11.928	0.006	97	1641652	56.1	
122 1,2,3-Trichlorobenzene	180	12.141	12.141	0.0	94	583547	54.4	
S 123 1,3-Dichloropropene, Total	1				0		102.2	
S 124 1,2-Dichloroethene, Total	1				0		99.7	
S 125 Total BTEX	1				0		299.3	
S 126 Xylenes, Total	1				0		150.4	

Report Date: 19-Oct-2011 16:52:42

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973N\20111019-6796.b\N2245.D

Injection Date: 19-Oct-2011 11:03:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 36062

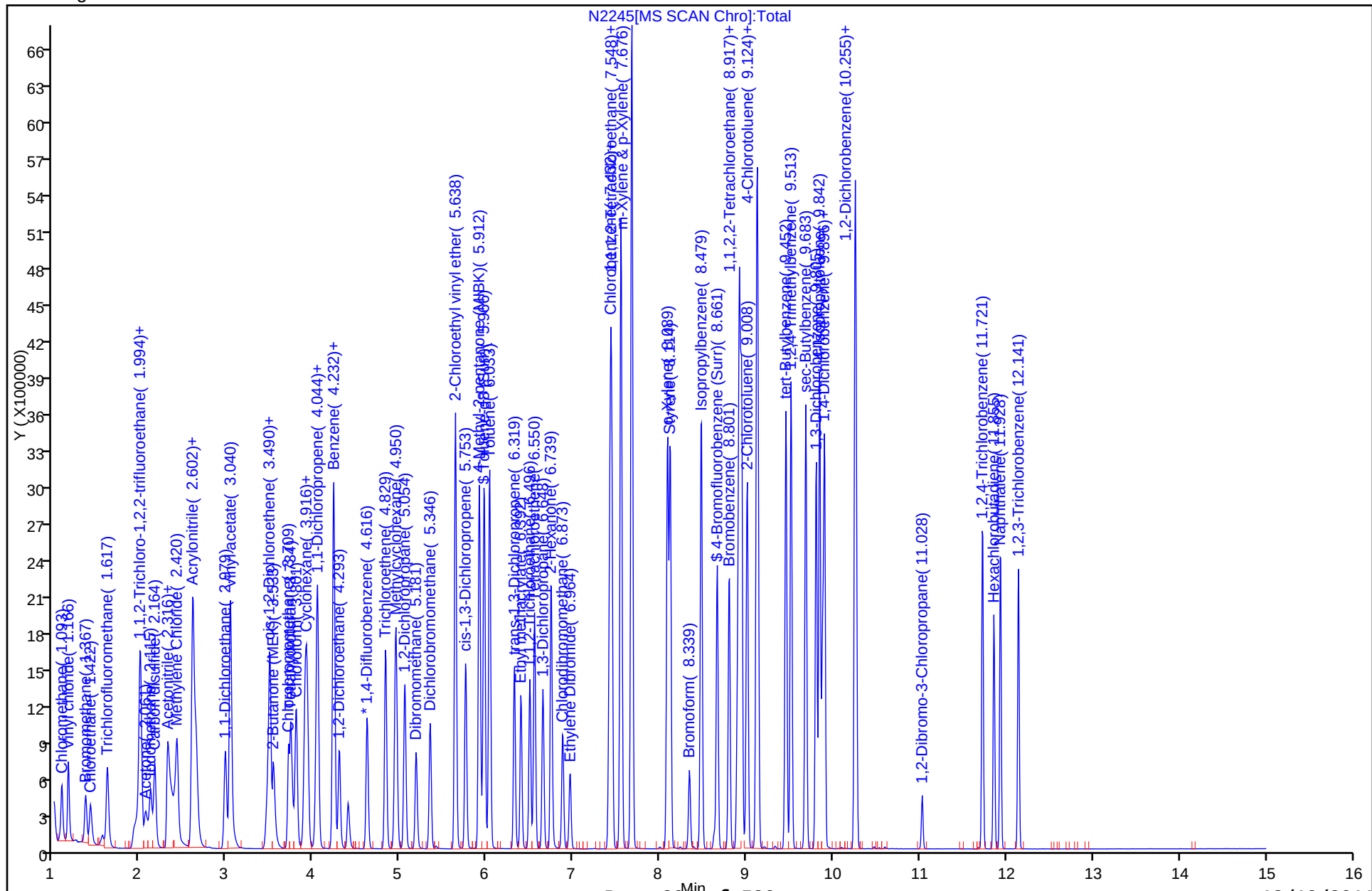
Lims Sample ID: 9

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20111019-6796.b\N2246.D
 Lims ID: STD-6 Client ID:
 Inject. Date: 19-Oct-2011 11:26:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: STD-6
 Misc. Info.: 480-0006796-010
 Operator: LH Instrument ID: HP5973N
 Vol. Injected: 1.0000 ALS Bottle#: 7
 Lims Batch ID: 36062 Lims Sample ID: 10
 Sublist: chrom-N-8260*sub7
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20111019-6796.b\N-8260.m
 Last Update: 19-Oct-2011 16:53:44 Calib Date: 19-Oct-2011 15:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20111019-6796.b\N2257.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: diasn

Date: 19-Oct-2011 16:53:44

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	931089	25.0	
* 2 Chlorobenzene-d5	117	7.414	7.414	0.0	85	814192	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.878	9.878	0.0	65	454376	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.220	4.226	-0.006	0	1185714	97.6	
\$ 6 Toluene-d8 (Surr)	98	5.966	5.966	0.0	73	3941274	95.9	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.661	8.661	0.0	89	1277856	98.6	
11 Dichlorodifluoromethane	85	0.990	0.990	0.0	98	779746	92.3	
13 Chloromethane	50	1.087	1.081	0.006	100	966529	91.1	
14 Vinyl chloride	62	1.160	1.160	0.0	97	1051535	93.8	
15 Bromomethane	94	1.367	1.355	0.012	90	590391	98.7	
16 Chloroethane	64	1.422	1.410	0.012	91	662760	101.4	
18 Trichlorofluoromethane	101	1.610	1.610	0.0	98	1043661	99.7	
20 Acrolein	56	1.921	1.927	-0.006	91	503473	2014.1	
22 1,1-Dichloroethene	96	1.988	1.988	0.0	99	958701	90.9	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	1.988	1.988	0.0	69	794468	94.3	
23 Acetone	43	2.048	2.061	-0.013	96	1223659	491.9	
24 Iodomethane	142	2.109	2.109	0.0	98	1055992	92.3	
25 Carbon disulfide	76	2.158	2.158	0.0	98	2385594	91.6	
28 Methyl acetate	43	2.304	2.316	-0.012	79	1063188	96.1	
29 Acetonitrile	40	2.310	2.316	-0.006	99	1902744	3965.3	
30 Methylene Chloride	84	2.413	2.413	0.0	78	1012775	95.7	
33 trans-1,2-Dichloroethene	96	2.596	2.602	-0.006	62	1049289	98.9	
32 Methyl tert-butyl ether	73	2.596	2.602	-0.006	88	3179449	96.6	
34 Acrylonitrile	53	2.639	2.638	0.0	97	1454800	471.8	
36 1,1-Dichloroethane	63	2.973	2.973	0.0	97	1742649	98.4	
39 Vinyl acetate	43	3.028	3.034	-0.006	97	6735591	468.0	
42 2,2-Dichloropropane	77	3.472	3.472	0.0	83	1249080	92.2	
43 cis-1,2-Dichloroethene	96	3.490	3.490	0.0	81	1150027	100.1	
44 2-Butanone (MEK)	43	3.527	3.539	-0.012	92	1908299	497.0	
47 Chlorobromomethane	128	3.709	3.709	0.0	89	539597	101.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	3.727	3.740	-0.013	82	1224285	487.1	
50 Chloroform	83	3.794	3.794	0.0	89	1806162	92.5	
51 1,1,1-Trichloroethane	97	3.898	3.898	0.0	89	1292212	105.4	
52 Cyclohexane	56	3.916	3.916	0.0	88	1486985	91.5	
53 Carbon tetrachloride	117	4.032	4.032	0.0	77	1317473	102.3	
54 1,1-Dichloropropene	75	4.038	4.044	-0.006	94	1446590	99.8	
55 Benzene	78	4.226	4.232	-0.006	97	4199276	96.9	
57 1,2-Dichloroethane	62	4.293	4.293	0.0	80	1345540	100.1	
60 Trichloroethene	95	4.829	4.829	0.0	96	1085324	99.7	
62 Methylcyclohexane	83	4.950	4.944	0.006	87	1763777	94.9	
63 1,2-Dichloropropane	63	5.048	5.054	-0.006	92	994745	99.5	
64 Dibromomethane	93	5.181	5.181	0.0	91	599560	98.5	
67 Dichlorobromomethane	83	5.340	5.346	-0.006	95	1411815	100.5	
69 2-Chloroethyl vinyl ether	63	5.638	5.638	0.0	94	3026762	493.6	
71 cis-1,3-Dichloropropene	75	5.753	5.753	0.0	92	1735808	100.5	
72 4-Methyl-2-pentanone (MIBK)	43	5.911	5.911	0.0	94	3921679	464.0	
73 Toluene	92	6.033	6.033	0.0	88	2813608	99.1	
75 trans-1,3-Dichloropropene	75	6.319	6.319	0.0	93	1596141	102.9	
77 Ethyl methacrylate	69	6.392	6.392	0.0	88	1338056	100.8	
78 1,1,2-Trichloroethane	83	6.496	6.495	0.001	91	745469	97.7	
79 Tetrachloroethene	166	6.550	6.550	0.0	84	1165014	98.2	
80 1,3-Dichloropropane	76	6.648	6.648	0.0	87	1552737	100.8	
82 2-Hexanone	43	6.739	6.745	-0.006	89	2830090	473.0	
83 Chlorodibromomethane	129	6.873	6.873	0.0	86	1062350	104.7	
84 Ethylene Dibromide	107	6.958	6.958	0.0	97	910251	101.4	
85 Chlorobenzene	112	7.445	7.444	0.001	93	3004318	97.5	
88 Ethylbenzene	91	7.548	7.548	0.0	98	4997405	94.5	
89 1,1,1,2-Tetrachloroethane	131	7.548	7.548	0.0	42	1054965	101.6	
90 m-Xylene & p-Xylene	106	7.676	7.676	0.0	94	4111130	194.1	
91 o-Xylene	106	8.089	8.083	0.006	96	2029872	100.0	
92 Styrene	104	8.120	8.120	0.0	94	3506191	100.4	
93 Bromoform	173	8.339	8.339	0.0	91	649460	110.2	
95 Isopropylbenzene	105	8.479	8.479	0.0	96	4997227	91.8	
97 Bromobenzene	156	8.801	8.801	0.0	91	1339213	96.6	
98 1,1,2,2-Tetrachloroethane	83	8.892	8.892	0.0	97	1117410	96.1	
99 1,2,3-Trichloropropane	110	8.911	8.911	0.0	53	334987	99.0	
100 N-Propylbenzene	91	8.917	8.917	0.0	96	6015289	90.1	
101 trans-1,4-Dichloro-2-butene	53	8.941	8.941	0.0	93	1515270	484.5	
102 2-Chlorotoluene	126	9.008	9.008	0.0	95	1267922	94.7	
104 1,3,5-Trimethylbenzene	105	9.118	9.117	0.001	87	4245891	93.8	
105 4-Chlorotoluene	91	9.130	9.130	0.0	98	4285662	92.9	
106 tert-Butylbenzene	134	9.458	9.452	0.006	89	966451	97.0	
108 1,2,4-Trimethylbenzene	105	9.513	9.513	0.0	66	4334966	94.4	
109 sec-Butylbenzene	105	9.683	9.683	0.0	95	5173791	92.2	
110 1,3-Dichlorobenzene	146	9.805	9.805	0.0	98	2617056	97.6	
111 4-Isopropyltoluene	119	9.841	9.841	0.0	85	4475608	94.3	
113 1,4-Dichlorobenzene	146	9.902	9.896	0.006	93	2674892	95.9	
115 n-Butylbenzene	91	10.249	10.249	0.0	94	4042956	95.4	
116 1,2-Dichlorobenzene	146	10.267	10.261	0.006	97	2441298	96.6	
117 1,2-Dibromo-3-Chloropropane	75	11.028	11.028	0.0	82	190614	106.0	
119 1,2,4-Trichlorobenzene	180	11.727	11.721	0.006	91	1436366	102.4	
120 Hexachlorobutadiene	225	11.855	11.855	0.0	95	579779	91.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	11.934	11.928	0.006	97	3262994	104.1	
122 1,2,3-Trichlorobenzene	180	12.141	12.141	0.0	94	1148288	100.7	
S 123 1,3-Dichloropropene, Total	1				0		203.4	
S 124 1,2-Dichloroethene, Total	1				0		198.9	
S 125 Total BTEX	1				0		584.6	
S 126 Xylenes, Total	1				0		294.1	

Report Date: 19-Oct-2011 16:53:44

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973N\20111019-6796.b\N2246.D

Injection Date: 19-Oct-2011 11:26:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 36062

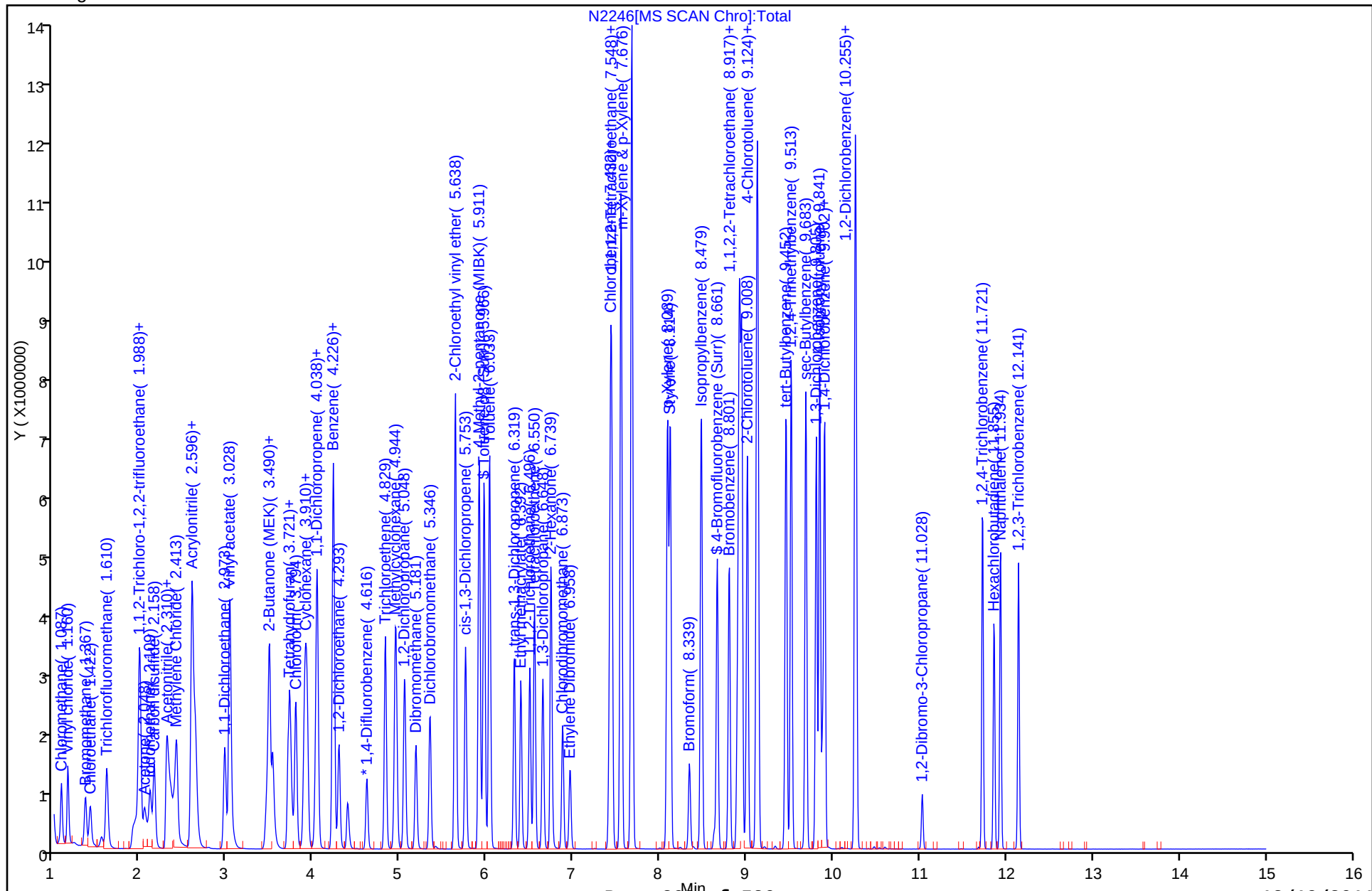
Lims Sample ID: 10

Operator ID: LH

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.: 480-12393-1

SDG No.: _____

Lab Sample ID: CCVIS 480-40867/2 Calibration Date: 11/17/2011 10:06

Instrument ID: HP5973C Calib Start Date: 11/04/2011 13:41

GC Column: ZB-624 (30) ID: 0.53 (mm) Calib End Date: 11/04/2011 15:47

Lab File ID: C15610.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	0.3495	0.3029		21.7	25.0	-13.3	50.0
Chloromethane	Ave	0.4643	0.3854	0.1000	20.8	25.0	-17.0	50.0
Vinyl chloride	Ave	0.4195	0.3924		23.4	25.0	-6.4	20.0
Bromomethane	Ave	0.2599	0.2532		24.4	25.0	-2.6	50.0
Chloroethane	Ave	0.2678	0.2561		23.9	25.0	-4.4	50.0
Trichlorofluoromethane	Ave	0.4932	0.4879		24.7	25.0	-1.1	50.0
Acrolein	Ave	0.0409	0.0295		361	500	-27.9	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2613	0.2736		26.2	25.0	4.7	50.0
1,1-Dichloroethene	Ave	0.2902	0.2959	0.1000	25.5	25.0	2.0	20.0
Acetone	Ave	0.1060	0.0644		75.9	125	-39.2	50.0
Iodomethane	Ave	0.3220	0.3359		26.1	25.0	4.3	50.0
Carbon disulfide	Ave	0.8242	0.7956		24.1	25.0	-3.5	50.0
Methyl acetate	Ave	0.4513	0.3656		20.2	25.0	-19.0	50.0
Acetonitrile	Ave	0.0259	0.0124		478	1000	-52.2*	50.0
Methylene Chloride	Ave	0.3288	0.3389		25.8	25.0	3.0	50.0
Methyl tert-butyl ether	Ave	0.8646	0.7654		22.1	25.0	-11.5	50.0
Acrylonitrile	Ave	0.1340	0.1124		105	125	-16.1	50.0
trans-1,2-Dichloroethene	Ave	0.3175	0.3352		26.4	25.0	5.6	50.0
Vinyl acetate	Ave	0.5280	0.4257		101	125	-19.4	50.0
1,1-Dichloroethane	Ave	0.6399	0.6131		24.0	25.0	-4.2	50.0
2-Butanone (MEK)	Ave	0.1538	0.1067		86.7	125	-30.6	50.0
2,2-Dichloropropane	Ave	0.4852	0.4763		24.5	25.0	-1.8	50.0
cis-1,2-Dichloroethene	Ave	0.3507	0.3587		25.6	25.0	2.3	50.0
Bromochloromethane	Ave	0.1718	0.1808		26.3	25.0	5.2	50.0
Tetrahydrofuran	Ave	0.0970	0.0669		86.3	125	-31.0	50.0
Chloroform	Ave	0.6376	0.5792		22.7	25.0	-9.2	20.0
1,1,1-Trichloroethane	Ave	0.5159	0.5081		24.6	25.0	-1.5	50.0
Cyclohexane	Ave	0.5843	0.4967		21.3	25.0	-15.0	50.0
1,1-Dichloropropene	Ave	0.4432	0.4320		24.4	25.0	-2.5	50.0
Carbon tetrachloride	Ave	0.4555	0.4570		25.1	25.0	0.3	50.0
Benzene	Ave	1.227	1.269		25.9	25.0	3.4	50.0
1,2-Dichloroethane	Ave	0.5531	0.4628		20.9	25.0	-16.3	50.0
Trichloroethene	Ave	0.3411	0.3352		24.6	25.0	-1.7	50.0
Methylcyclohexane	Ave	0.4405	0.4674		26.5	25.0	6.1	50.0
1,2-Dichloropropane	Ave	0.3666	0.3471		23.7	25.0	-5.3	20.0
Dibromomethane	Ave	0.2154	0.2156		25.0	25.0	0.0	50.0
Bromodichloromethane	Ave	0.4441	0.4286		24.1	25.0	-3.5	50.0
2-Chloroethyl vinyl ether	Ave	0.2163	0.1271		73.4	125	-41.3	50.0
cis-1,3-Dichloropropene	Ave	0.5209	0.4565		21.9	25.0	-12.4	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.6294	0.4680		93.0	125	-25.6	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1

SDG No.: _____

Lab Sample ID: CCVIS 480-40867/2 Calibration Date: 11/17/2011 10:06

Instrument ID: HP5973C Calib Start Date: 11/04/2011 13:41

GC Column: ZB-624 (30) ID: 0.53 (mm) Calib End Date: 11/04/2011 15:47

Lab File ID: C15610.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	1.532	1.555		25.4	25.0	1.5	20.0
Ethyl methacrylate	Ave	0.6765	0.6315		23.3	25.0	-6.7	50.0
trans-1,3-Dichloropropene	Ave	0.9621	0.8040		20.9	25.0	-16.4	50.0
1,1,2-Trichloroethane	Ave	0.4841	0.4642		24.0	25.0	-4.1	50.0
2-Hexanone	Ave	0.4392	0.3136		89.3	125	-28.6	50.0
Tetrachloroethene	Ave	0.6263	0.6973		27.8	25.0	11.3	50.0
1,3-Dichloropropane	Ave	1.006	0.9445		23.5	25.0	-6.1	50.0
Dibromochloromethane	Ave	0.6415	0.6046		23.6	25.0	-5.8	50.0
1,2-Dibromoethane	Ave	0.5886	0.5673		24.1	25.0	-3.6	50.0
Chlorobenzene	Ave	1.758	1.765	0.3000	25.1	25.0	0.4	50.0
Ethylbenzene	Ave	3.032	2.966		24.5	25.0	-2.2	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6394	0.6614		25.9	25.0	3.4	50.0
m-Xylene & p-Xylene	Ave	1.104	1.135		51.4	50.0	2.8	50.0
o-Xylene	Ave	1.099	1.082		24.6	25.0	-1.6	50.0
Styrene	Ave	1.845	1.740		23.6	25.0	-5.7	50.0
Isopropylbenzene	Ave	3.032	2.730		22.5	25.0	-10.0	50.0
Bromoform	Ave	0.4038	0.3656	0.1000	22.6	25.0	-9.5	50.0
1,1,2,2-Tetrachloroethane	Ave	0.8039	0.7049	0.3000	21.9	25.0	-12.3	50.0
trans-1,4-Dichloro-2-butene	Ave	0.2645	0.0417		19.7	125	-84.2*	50.0
N-Propylbenzene	Ave	3.871	3.365		21.7	25.0	-13.1	50.0
1,2,3-Trichloropropane	Ave	0.2520	0.2127		21.1	25.0	-15.6	50.0
Bromobenzene	Ave	0.8051	0.7595		23.6	25.0	-5.7	50.0
1,3,5-Trimethylbenzene	Ave	2.537	2.297		22.6	25.0	-9.5	50.0
2-Chlorotoluene	Ave	0.7601	0.7008		23.1	25.0	-7.8	50.0
4-Chlorotoluene	Ave	0.7832	0.7097		22.7	25.0	-9.4	50.0
tert-Butylbenzene	Ave	0.5165	0.4742		23.0	25.0	-8.2	50.0
1,2,4-Trimethylbenzene	Ave	2.610	2.385		22.9	25.0	-8.6	50.0
sec-Butylbenzene	Ave	2.966	2.949		24.9	25.0	-0.6	50.0
4-Isopropyltoluene	Ave	2.478	2.445		24.7	25.0	-1.3	50.0
1,3-Dichlorobenzene	Ave	1.507	1.408		23.4	25.0	-6.6	50.0
1,4-Dichlorobenzene	Ave	1.552	1.455		23.4	25.0	-6.3	50.0
n-Butylbenzene	Ave	2.264	2.329		25.7	25.0	2.9	50.0
1,2-Dichlorobenzene	Ave	1.454	1.352		23.2	25.0	-7.0	50.0
1,2-Dibromo-3-Chloropropane	Ave	0.1534	0.1114		18.2	25.0	-27.4	50.0
1,2,4-Trichlorobenzene	Ave	0.9421	0.9580		25.4	25.0	1.7	50.0
Hexachlorobutadiene	Ave	0.3189	0.4588		36.0	25.0	43.9	50.0
Naphthalene	Ave	2.423	2.082		21.5	25.0	-14.1	50.0
1,2,3-Trichlorobenzene	Ave	0.8658	0.8853		25.6	25.0	2.3	50.0
1,2-Dichloroethane-d4 (Surr)	Lin2F		0.1852		22.5	25.0	-10.0	50.0
Toluene-d8 (Surr)	Lin2F		2.278		25.8	25.0	3.2	50.0
4-Bromofluorobenzene (Surr)	Lin2F		0.7607		27.7	25.0	10.8	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973C\20111117-7606.b\C15610.D
 Lims ID: CCVIS Client ID:
 Inject. Date: 17-Nov-2011 10:06:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: CCVIS
 Misc. Info.: 480-0007606-002
 Operator: LH Instrument ID: HP5973C
 Vol. Injected: 1.0000 ALS Bottle#: 24
 Lims Batch ID: 40867 Lims Sample ID: 2
 Sublist: chrom-C-8260*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973C\20111117-7606.b\C-8260.m
 Last Update: 17-Nov-2011 10:24:03 Calib Date: 04-Nov-2011 20:26:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973C\20111104-7267.b\C15113.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: HillL

Date: 17-Nov-2011 10:24:03

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	9.455	9.455	0.0	94	442743	25.0	
* 2 Chlorobenzene-d5	82	11.826	11.826	0.0	85	233611	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.854	13.854	0.0	75	245479	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	9.194	9.194	0.0	0	82011	22.5	
\$ 5 Toluene-d8 (Surr)	98	10.652	10.652	0.0	92	532051	25.8	
\$ 6 4-Bromofluorobenzene (Surr)	174	12.775	12.775	0.0	87	177710	27.7	
10 Dichlorodifluoromethane	85	4.474	4.474	0.0	82	134126	21.7	
12 Chloromethane	50	4.889	4.889	0.0	88	170620	20.8	
13 Vinyl chloride	62	5.114	5.114	0.0	84	173745	23.4	
14 Bromomethane	94	5.731	5.731	0.0	89	112122	24.4	
15 Chloroethane	64	5.873	5.873	0.0	93	113391	23.9	
17 Trichlorofluoromethane	101	6.217	6.217	0.0	85	216006	24.7	
20 Acrolein	56	6.751	6.751	0.0	93	261315	360.5	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	6.798	6.798	0.0	82	121138	26.2	
22 1,1-Dichloroethene	96	6.858	6.858	0.0	84	131010	25.5	
23 Acetone	43	6.905	6.905	0.0	95	142583	75.9	
25 Iodomethane	142	7.095	7.095	0.0	99	148725	26.1	
26 Carbon disulfide	76	7.178	7.178	0.0	99	352231	24.1	
27 Methyl acetate	43	7.202	7.202	0.0	84	161843	20.2	
29 Acetonitrile	40	7.237	7.237	0.0	98	218904	477.8	
30 Methylene Chloride	84	7.379	7.379	0.0	83	150028	25.8	
32 Methyl tert-butyl ether	73	7.557	7.557	0.0	91	338887	22.1	
33 Acrylonitrile	53	7.605	7.605	0.0	99	248822	104.9	
34 trans-1,2-Dichloroethene	96	7.617	7.617	0.0	93	148392	26.4	
37 Vinyl acetate	43	7.960	7.960	0.0	97	942296	100.8	
39 1,1-Dichloroethane	63	8.020	8.020	0.0	85	271457	24.0	
43 2-Butanone (MEK)	43	8.470	8.470	0.0	100	236210	86.7	
45 cis-1,2-Dichloroethene	96	8.518	8.518	0.0	70	158815	25.6	
44 2,2-Dichloropropane	77	8.506	8.506	0.0	64	210879	24.5	
48 Chlorobromomethane	128	8.731	8.731	0.0	92	80025	26.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	8.743	8.743	0.0	75	148154	86.3	
50 Chloroform	83	8.755	8.755	0.0	80	256430	22.7	
51 1,1,1-Trichloroethane	97	8.933	8.933	0.0	92	224957	24.6	
52 Cyclohexane	56	8.980	8.980	0.0	88	219902	21.3	
54 1,1-Dichloropropene	75	9.040	9.040	0.0	88	191262	24.4	
55 Carbon tetrachloride	117	9.063	9.063	0.0	71	202331	25.1	
57 Benzene	78	9.241	9.241	0.0	94	561987	25.9	
58 1,2-Dichloroethane	62	9.253	9.253	0.0	73	204898	20.9	
62 Trichloroethene	95	9.716	9.716	0.0	94	148427	24.6	
64 Methylcyclohexane	83	9.858	9.858	0.0	91	206955	26.5	
65 1,2-Dichloropropane	63	9.917	9.917	0.0	67	153677	23.7	
67 Dibromomethane	93	10.048	10.048	0.0	92	95474	25.0	
68 Dichlorobromomethane	83	10.119	10.119	0.0	84	189751	24.1	
69 2-Chloroethyl vinyl ether	63	10.237	10.237	0.0	90	281277	73.4	
72 cis-1,3-Dichloropropene	75	10.427	10.427	0.0	90	202101	21.9	
73 4-Methyl-2-pentanone (MIBK)	43	10.474	10.474	0.0	94	546674	93.0	
74 Toluene	92	10.700	10.700	0.0	94	363200	25.4	
75 Ethyl methacrylate	69	10.771	10.771	0.0	78	147514	23.3	
77 trans-1,3-Dichloropropene	75	10.842	10.842	0.0	79	187828	20.9	
79 1,1,2-Trichloroethane	83	11.020	11.020	0.0	86	108442	24.0	
80 2-Hexanone	43	11.103	11.103	0.0	93	366326	89.3	
81 Tetrachloroethene	166	11.150	11.150	0.0	89	162894	27.8	
82 1,3-Dichloropropane	76	11.162	11.162	0.0	78	220638	23.5	
83 Chlorodibromomethane	129	11.388	11.388	0.0	88	141249	23.6	
84 Ethylene Dibromide	107	11.518	11.518	0.0	96	132523	24.1	
87 Chlorobenzene	112	11.862	11.862	0.0	77	412288	25.1	
88 Ethylbenzene	91	11.862	11.862	0.0	94	692949	24.5	
89 1,1,1,2-Tetrachloroethane	131	11.897	11.897	0.0	55	154498	25.9	
90 m-Xylene & p-Xylene	106	11.945	11.945	0.0	97	530169	51.4	
92 Styrene	104	12.301	12.301	0.0	87	406381	23.6	
91 o-Xylene	106	12.301	12.301	0.0	88	252672	24.6	
94 Isopropylbenzene	105	12.562	12.562	0.0	96	670239	22.5	
95 Bromoform	173	12.585	12.585	0.0	63	85408	22.6	
97 1,1,2,2-Tetrachloroethane	83	12.858	12.858	0.0	75	173037	21.9	
98 trans-1,4-Dichloro-2-butene	53	12.882	12.882	0.0	92	51149	19.7	
99 N-Propylbenzene	91	12.917	12.917	0.0	98	826029	21.7	
100 1,2,3-Trichloropropane	110	12.929	12.929	0.0	41	52214	21.1	
101 Bromobenzene	156	12.977	12.977	0.0	41	186443	23.6	
102 1,3,5-Trimethylbenzene	105	13.036	13.036	0.0	69	563932	22.6	
103 2-Chlorotoluene	126	13.083	13.083	0.0	85	172037	23.1	
105 4-Chlorotoluene	126	13.166	13.166	0.0	98	174214	22.7	
106 tert-Butylbenzene	134	13.368	13.368	0.0	87	116408	23.0	
107 1,2,4-Trimethylbenzene	105	13.404	13.404	0.0	98	585580	22.9	
109 sec-Butylbenzene	105	13.570	13.570	0.0	94	723832	24.9	
110 4-Isopropyltoluene	119	13.664	13.664	0.0	94	600080	24.7	
111 1,3-Dichlorobenzene	146	13.795	13.795	0.0	97	345520	23.4	
113 1,4-Dichlorobenzene	146	13.878	13.878	0.0	93	357127	23.4	
115 n-Butylbenzene	91	14.079	14.079	0.0	97	571687	25.7	
116 1,2-Dichlorobenzene	146	14.293	14.293	0.0	96	331768	23.2	
117 1,2-Dibromo-3-Chloropropane	75	15.182	15.182	0.0	65	27355	18.2	
119 1,2,4-Trichlorobenzene	180	16.238	16.238	0.0	92	235170	25.4	
120 Hexachlorobutadiene	225	16.344	16.344	0.0	86	112627	36.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	16.665	16.665	0.0	97	511055	21.5	
122 1,2,3-Trichlorobenzene	180	17.044	17.044	0.0	94	217312	25.6	
S 123 Total BTEX	1				0		151.7	
S 124 Xylenes, Total	1				0		76.0	
S 125 1,2-Dichloroethene, Total	1				0		52.0	
S 126 1,3-Dichloropropene, Total	1				0		42.8	

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973C\20111117-7606.b\C15610.D

Injection Date: 17-Nov-2011 10:06:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973C

Lims Batch ID: 40867

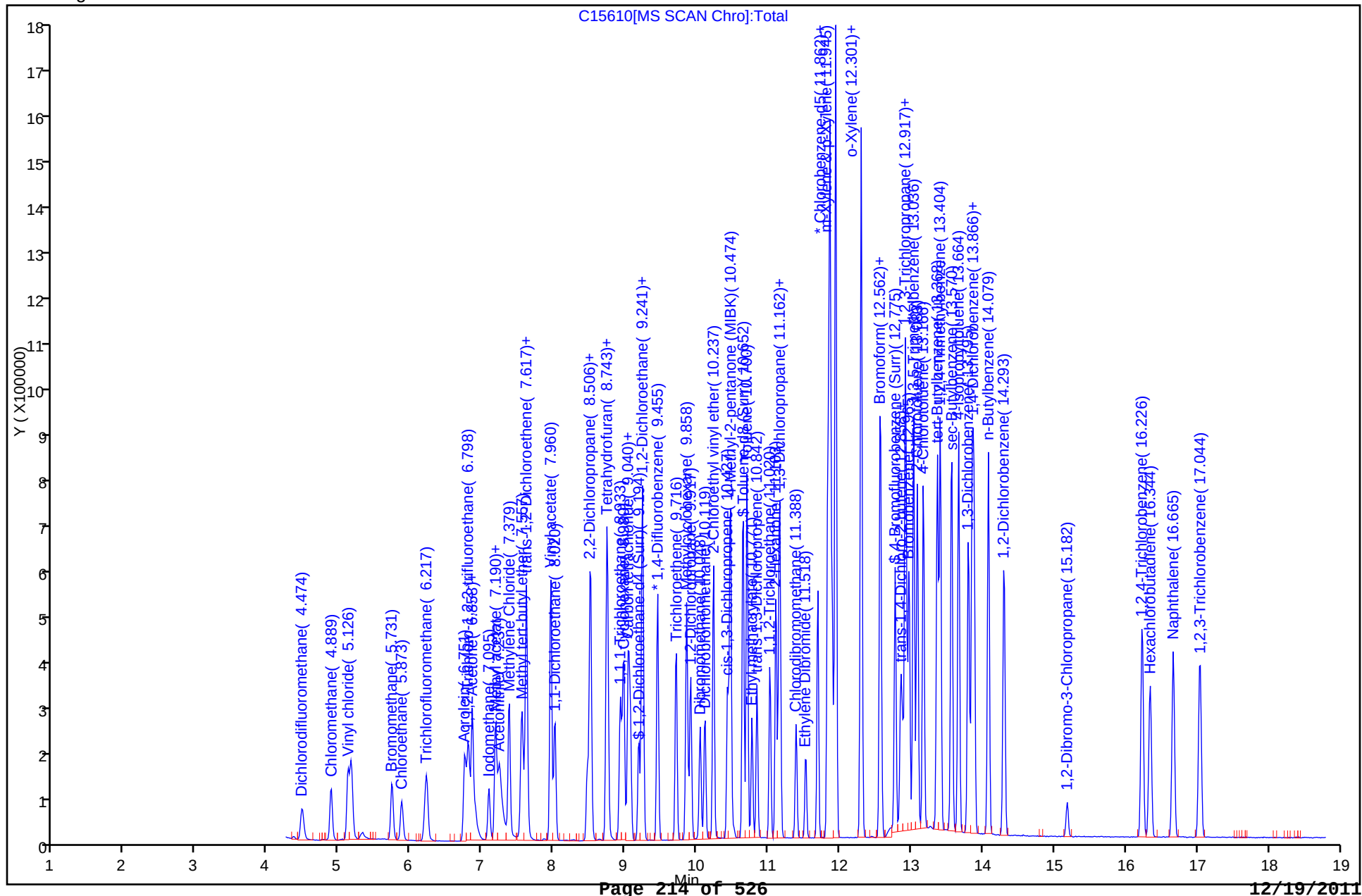
Lims Sample ID: 2

Operator ID: LH

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.: 480-12393-1

SDG No.: _____

Lab Sample ID: CCVIS 480-40985/2 Calibration Date: 11/17/2011 22:56

Instrument ID: HP5973C Calib Start Date: 11/04/2011 13:41

GC Column: ZB-624 (30) ID: 0.53 (mm) Calib End Date: 11/04/2011 15:47

Lab File ID: C15638.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	0.3495	0.2960		21.2	25.0	-15.3	50.0
Chloromethane	Ave	0.4643	0.3645	0.1000	19.6	25.0	-21.5	50.0
Vinyl chloride	Ave	0.4195	0.3957		23.6	25.0	-5.7	20.0
Bromomethane	Ave	0.2599	0.2623		25.2	25.0	0.9	50.0
Chloroethane	Ave	0.2678	0.2456		22.9	25.0	-8.3	50.0
Trichlorofluoromethane	Ave	0.4932	0.5003		25.4	25.0	1.4	50.0
Acrolein	Ave	0.0409	0.0382		466	500	-6.7	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2613	0.2860		27.4	25.0	9.4	50.0
1,1-Dichloroethene	Ave	0.2902	0.3115	0.1000	26.8	25.0	7.3	20.0
Acetone	Ave	0.1060	0.0820		96.7	125	-22.6	50.0
Iodomethane	Ave	0.3220	0.3508		27.2	25.0	8.9	50.0
Carbon disulfide	Ave	0.8242	0.8010		24.3	25.0	-2.8	50.0
Methyl acetate	Ave	0.4513	0.3717		20.6	25.0	-17.7	50.0
Acetonitrile	Ave	0.0259	0.0209		807	1000	-19.3	50.0
Methylene Chloride	Ave	0.3288	0.3507		26.7	25.0	6.7	50.0
Methyl tert-butyl ether	Ave	0.8646	0.8398		24.3	25.0	-2.9	50.0
Acrylonitrile	Ave	0.1340	0.1263		118	125	-5.7	50.0
trans-1,2-Dichloroethene	Ave	0.3175	0.3525		27.8	25.0	11.0	50.0
Vinyl acetate	Ave	0.5280	0.4417		105	125	-16.3	50.0
1,1-Dichloroethane	Ave	0.6399	0.6188		24.2	25.0	-3.3	50.0
2-Butanone (MEK)	Ave	0.1538	0.1216		98.8	125	-21.0	50.0
2,2-Dichloropropane	Ave	0.4852	0.4846		25.0	25.0	-0.1	50.0
cis-1,2-Dichloroethene	Ave	0.3507	0.3736		26.6	25.0	6.5	50.0
Bromochloromethane	Ave	0.1718	0.1906		27.7	25.0	11.0	50.0
Tetrahydrofuran	Ave	0.0970	0.0777		100	125	-19.9	50.0
Chloroform	Ave	0.6376	0.5999		23.5	25.0	-5.9	20.0
1,1,1-Trichloroethane	Ave	0.5159	0.5230		25.3	25.0	1.4	50.0
Cyclohexane	Ave	0.5843	0.5457		23.4	25.0	-6.6	50.0
1,1-Dichloropropene	Ave	0.4432	0.4467		25.2	25.0	0.8	50.0
Carbon tetrachloride	Ave	0.4555	0.4662		25.6	25.0	2.3	50.0
Benzene	Ave	1.227	1.298		26.4	25.0	5.7	50.0
1,2-Dichloroethane	Ave	0.5531	0.4670		21.1	25.0	-15.6	50.0
Trichloroethene	Ave	0.3411	0.3492		25.6	25.0	2.4	50.0
Methylcyclohexane	Ave	0.4405	0.5311		30.1	25.0	20.6	50.0
1,2-Dichloropropane	Ave	0.3666	0.3573		24.4	25.0	-2.5	20.0
Dibromomethane	Ave	0.2154	0.2207		25.6	25.0	2.4	50.0
Bromodichloromethane	Ave	0.4441	0.4290		24.2	25.0	-3.4	50.0
2-Chloroethyl vinyl ether	Ave	0.2163	0.1399		80.9	125	-35.3	50.0
cis-1,3-Dichloropropene	Ave	0.5209	0.4868		23.4	25.0	-6.5	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.6294	0.5185		103	125	-17.6	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1

SDG No.: _____

Lab Sample ID: CCVIS 480-40985/2 Calibration Date: 11/17/2011 22:56

Instrument ID: HP5973C Calib Start Date: 11/04/2011 13:41

GC Column: ZB-624 (30) ID: 0.53 (mm) Calib End Date: 11/04/2011 15:47

Lab File ID: C15638.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	1.532	1.648		26.9	25.0	7.6	20.0
Ethyl methacrylate	Ave	0.6765	0.6840		25.3	25.0	1.1	50.0
trans-1,3-Dichloropropene	Ave	0.9621	0.8544		22.2	25.0	-11.2	50.0
1,1,2-Trichloroethane	Ave	0.4841	0.4859		25.1	25.0	0.4	50.0
2-Hexanone	Ave	0.4392	0.3542		101	125	-19.4	50.0
Tetrachloroethene	Ave	0.6263	0.7536		30.1	25.0	20.3	50.0
1,3-Dichloropropane	Ave	1.006	0.9911		24.6	25.0	-1.5	50.0
Dibromochloromethane	Ave	0.6415	0.6365		24.8	25.0	-0.8	50.0
1,2-Dibromoethane	Ave	0.5886	0.5951		25.3	25.0	1.1	50.0
Chlorobenzene	Ave	1.758	1.880	0.3000	26.7	25.0	7.0	50.0
Ethylbenzene	Ave	3.032	3.183		26.2	25.0	5.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6394	0.6950		27.2	25.0	8.7	50.0
m-Xylene & p-Xylene	Ave	1.104	1.217		55.1	50.0	10.2	50.0
o-Xylene	Ave	1.099	1.187		27.0	25.0	8.0	50.0
Styrene	Ave	1.845	1.861		25.2	25.0	0.8	50.0
Isopropylbenzene	Ave	3.032	2.982		24.6	25.0	-1.7	50.0
Bromoform	Ave	0.4038	0.3716	0.1000	23.0	25.0	-8.0	50.0
1,1,2,2-Tetrachloroethane	Ave	0.8039	0.7394	0.3000	23.0	25.0	-8.0	50.0
trans-1,4-Dichloro-2-butene	Ave	0.2645	0.0483		22.8	125	-81.7*	50.0
N-Propylbenzene	Ave	3.871	3.624		23.4	25.0	-6.4	50.0
1,2,3-Trichloropropane	Ave	0.2520	0.2295		22.8	25.0	-8.9	50.0
Bromobenzene	Ave	0.8051	0.7962		24.7	25.0	-1.1	50.0
1,3,5-Trimethylbenzene	Ave	2.537	2.503		24.7	25.0	-1.3	50.0
2-Chlorotoluene	Ave	0.7601	0.7373		24.3	25.0	-3.0	50.0
4-Chlorotoluene	Ave	0.7832	0.7553		24.1	25.0	-3.6	50.0
tert-Butylbenzene	Ave	0.5165	0.5391		26.1	25.0	4.4	50.0
1,2,4-Trimethylbenzene	Ave	2.610	2.544		24.4	25.0	-2.5	50.0
sec-Butylbenzene	Ave	2.966	3.220		27.1	25.0	8.6	50.0
4-Isopropyltoluene	Ave	2.478	2.691		27.1	25.0	8.6	50.0
1,3-Dichlorobenzene	Ave	1.507	1.505		25.0	25.0	-0.1	50.0
1,4-Dichlorobenzene	Ave	1.552	1.529		24.6	25.0	-1.5	50.0
n-Butylbenzene	Ave	2.264	2.538		28.0	25.0	12.1	50.0
1,2-Dichlorobenzene	Ave	1.454	1.450		24.9	25.0	-0.3	50.0
1,2-Dibromo-3-Chloropropane	Ave	0.1534	0.1185		19.3	25.0	-22.8	50.0
1,2,4-Trichlorobenzene	Ave	0.9421	1.044		27.7	25.0	10.8	50.0
Hexachlorobutadiene	Ave	0.3189	0.5091		39.9	25.0	59.7*	50.0
Naphthalene	Ave	2.423	2.312		23.9	25.0	-4.6	50.0
1,2,3-Trichlorobenzene	Ave	0.8658	0.9608		27.7	25.0	11.0	50.0
1,2-Dichloroethane-d4 (Surr)	Lin2F		0.1821		22.1	25.0	-11.6	50.0
Toluene-d8 (Surr)	Lin2F		2.286		25.9	25.0	3.6	50.0
4-Bromofluorobenzene (Surr)	Lin2F		0.7715		28.1	25.0	12.4	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973C\20111117-7630.b\C15638.D
 Lims ID: CCVIS Client ID:
 Inject. Date: 17-Nov-2011 22:56:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: CCVIS
 Misc. Info.: 480-0007630-002
 Operator: CDC Instrument ID: HP5973C
 Vol. Injected: 1.0000 ALS Bottle#: 1
 Lims Batch ID: 40985 Lims Sample ID: 2
 Sublist: chrom-C-8260*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973C\20111117-7630.b\C-8260.m
 Last Update: 17-Nov-2011 23:14:33 Calib Date: 04-Nov-2011 20:26:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973C\20111104-7267.b\C15113.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: jonesr

Date: 17-Nov-2011 23:14:33

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	9.455	9.455	0.0	94	449728	25.0	
* 2 Chlorobenzene-d5	82	11.826	11.826	0.0	85	229253	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.854	13.854	0.0	75	242492	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	9.194	9.194	0.0	0	81884	22.1	
\$ 5 Toluene-d8 (Surr)	98	10.652	10.652	0.0	92	524043	25.9	
\$ 6 4-Bromofluorobenzene (Surr)	174	12.775	12.775	0.0	89	176877	28.1	
10 Dichlorodifluoromethane	85	4.486	4.486	0.0	83	133137	21.2	
12 Chloromethane	50	4.889	4.889	0.0	88	163942	19.6	
13 Vinyl chloride	62	5.126	5.126	0.0	83	177941	23.6	
14 Bromomethane	94	5.743	5.743	0.0	86	117980	25.2	
15 Chloroethane	64	5.885	5.885	0.0	93	110457	22.9	
17 Trichlorofluoromethane	101	6.229	6.229	0.0	83	225010	25.4	
20 Acrolein	56	6.751	6.751	0.0	92	343324	466.3	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	6.810	6.810	0.0	82	128608	27.4	
22 1,1-Dichloroethene	96	6.869	6.869	0.0	88	140082	26.8	
23 Acetone	43	6.905	6.905	0.0	95	184479	96.7	
25 Iodomethane	142	7.095	7.095	0.0	99	157749	27.2	
26 Carbon disulfide	76	7.190	7.190	0.0	99	360247	24.3	
27 Methyl acetate	43	7.201	7.201	0.0	74	167143	20.6	
29 Acetonitrile	40	7.237	7.237	0.0	99	375774	807.4	
30 Methylene Chloride	84	7.379	7.379	0.0	84	157723	26.7	
32 Methyl tert-butyl ether	73	7.557	7.557	0.0	89	377694	24.3	
33 Acrylonitrile	53	7.605	7.605	0.0	100	283920	117.8	
34 trans-1,2-Dichloroethene	96	7.628	7.628	0.0	96	158535	27.8	
37 Vinyl acetate	43	7.960	7.960	0.0	97	993271	104.6	
39 1,1-Dichloroethane	63	8.020	8.020	0.0	85	278286	24.2	
43 2-Butanone (MEK)	43	8.470	8.470	0.0	99	273407	98.8	
44 2,2-Dichloropropane	77	8.506	8.506	0.0	65	217916	25.0	
45 cis-1,2-Dichloroethene	96	8.518	8.518	0.0	70	168018	26.6	
48 Chlorobromomethane	128	8.743	8.743	0.0	70	85738	27.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	8.743	8.743	0.0	84	174669	100.1	
50 Chloroform	83	8.755	8.755	0.0	80	269779	23.5	
51 1,1,1-Trichloroethane	97	8.933	8.933	0.0	92	235197	25.3	
52 Cyclohexane	56	8.980	8.980	0.0	89	245421	23.4	
54 1,1-Dichloropropene	75	9.040	9.040	0.0	91	200890	25.2	
55 Carbon tetrachloride	117	9.075	9.075	0.0	68	209646	25.6	
57 Benzene	78	9.241	9.241	0.0	94	583663	26.4	
58 1,2-Dichloroethane	62	9.253	9.253	0.0	69	210029	21.1	
62 Trichloroethene	95	9.715	9.715	0.0	93	157045	25.6	
64 Methylcyclohexane	83	9.858	9.858	0.0	90	238865	30.1	
65 1,2-Dichloropropane	63	9.917	9.917	0.0	81	160665	24.4	
67 Dibromomethane	93	10.047	10.047	0.0	92	99236	25.6	
68 Dichlorobromomethane	83	10.119	10.119	0.0	70	192943	24.2	
69 2-Chloroethyl vinyl ether	63	10.237	10.237	0.0	90	314603	80.9	
72 cis-1,3-Dichloropropene	75	10.427	10.427	0.0	91	218933	23.4	
73 4-Methyl-2-pentanone (MIBK)	43	10.474	10.474	0.0	93	594330	103.0	
74 Toluene	92	10.700	10.700	0.0	94	377736	26.9	
75 Ethyl methacrylate	69	10.771	10.771	0.0	79	156814	25.3	
77 trans-1,3-Dichloropropene	75	10.842	10.842	0.0	79	195864	22.2	
79 1,1,2-Trichloroethane	83	11.020	11.020	0.0	87	111400	25.1	
80 2-Hexanone	43	11.103	11.103	0.0	93	405995	100.8	
81 Tetrachloroethene	166	11.150	11.150	0.0	90	172770	30.1	
82 1,3-Dichloropropane	76	11.162	11.162	0.0	77	227202	24.6	
83 Chlorodibromomethane	129	11.388	11.388	0.0	87	145909	24.8	
84 Ethylene Dibromide	107	11.518	11.518	0.0	96	136431	25.3	
87 Chlorobenzene	112	11.862	11.862	0.0	76	430999	26.7	
88 Ethylbenzene	91	11.862	11.862	0.0	94	729609	26.2	
89 1,1,1,2-Tetrachloroethane	131	11.897	11.897	0.0	54	159334	27.2	
90 m-Xylene & p-Xylene	106	11.945	11.945	0.0	97	557889	55.1	
92 Styrene	104	12.301	12.301	0.0	87	426542	25.2	
91 o-Xylene	106	12.301	12.301	0.0	87	272036	27.0	
94 Isopropylbenzene	105	12.561	12.561	0.0	96	723163	24.6	
95 Bromoform	173	12.585	12.585	0.0	64	85181	23.0	
97 1,1,2,2-Tetrachloroethane	83	12.858	12.858	0.0	75	179295	23.0	
98 trans-1,4-Dichloro-2-butene	53	12.882	12.882	0.0	94	58555	22.8	
99 N-Propylbenzene	91	12.917	12.917	0.0	98	878762	23.4	
100 1,2,3-Trichloropropane	110	12.929	12.929	0.0	39	55653	22.8	
101 Bromobenzene	156	12.977	12.977	0.0	41	193073	24.7	
102 1,3,5-Trimethylbenzene	105	13.036	13.036	0.0	69	606985	24.7	
103 2-Chlorotoluene	126	13.083	13.083	0.0	92	178796	24.3	
105 4-Chlorotoluene	126	13.166	13.166	0.0	98	183163	24.1	
106 tert-Butylbenzene	134	13.368	13.368	0.0	87	130737	26.1	
107 1,2,4-Trimethylbenzene	105	13.403	13.403	0.0	70	616817	24.4	
109 sec-Butylbenzene	105	13.569	13.569	0.0	93	780867	27.1	
110 4-Isopropyltoluene	119	13.664	13.664	0.0	96	652500	27.1	
111 1,3-Dichlorobenzene	146	13.795	13.795	0.0	97	364963	25.0	
113 1,4-Dichlorobenzene	146	13.878	13.878	0.0	91	370862	24.6	
115 n-Butylbenzene	91	14.079	14.079	0.0	97	615538	28.0	
116 1,2-Dichlorobenzene	146	14.293	14.293	0.0	96	351569	24.9	
117 1,2-Dibromo-3-Chloropropane	75	15.182	15.182	0.0	66	28738	19.3	
119 1,2,4-Trichlorobenzene	180	16.226	16.226	0.0	93	253239	27.7	
120 Hexachlorobutadiene	225	16.344	16.344	0.0	86	123449	39.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	16.665	16.665	0.0	96	560694	23.9	
122 1,2,3-Trichlorobenzene	180	17.032	17.032	0.0	93	232987	27.7	
S 125 1,2-Dichloroethene, Total	1				0		54.4	
S 126 1,3-Dichloropropene, Total	1				0		45.6	
S 123 Total BTEX	1				0		161.7	
S 124 Xylenes, Total	1				0		82.1	

Report Date: 17-Nov-2011 23:14:33

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973C\20111117-7630.b\C15638.D

Injection Date: 17-Nov-2011 22:56:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973C

Lims Batch ID: 40985

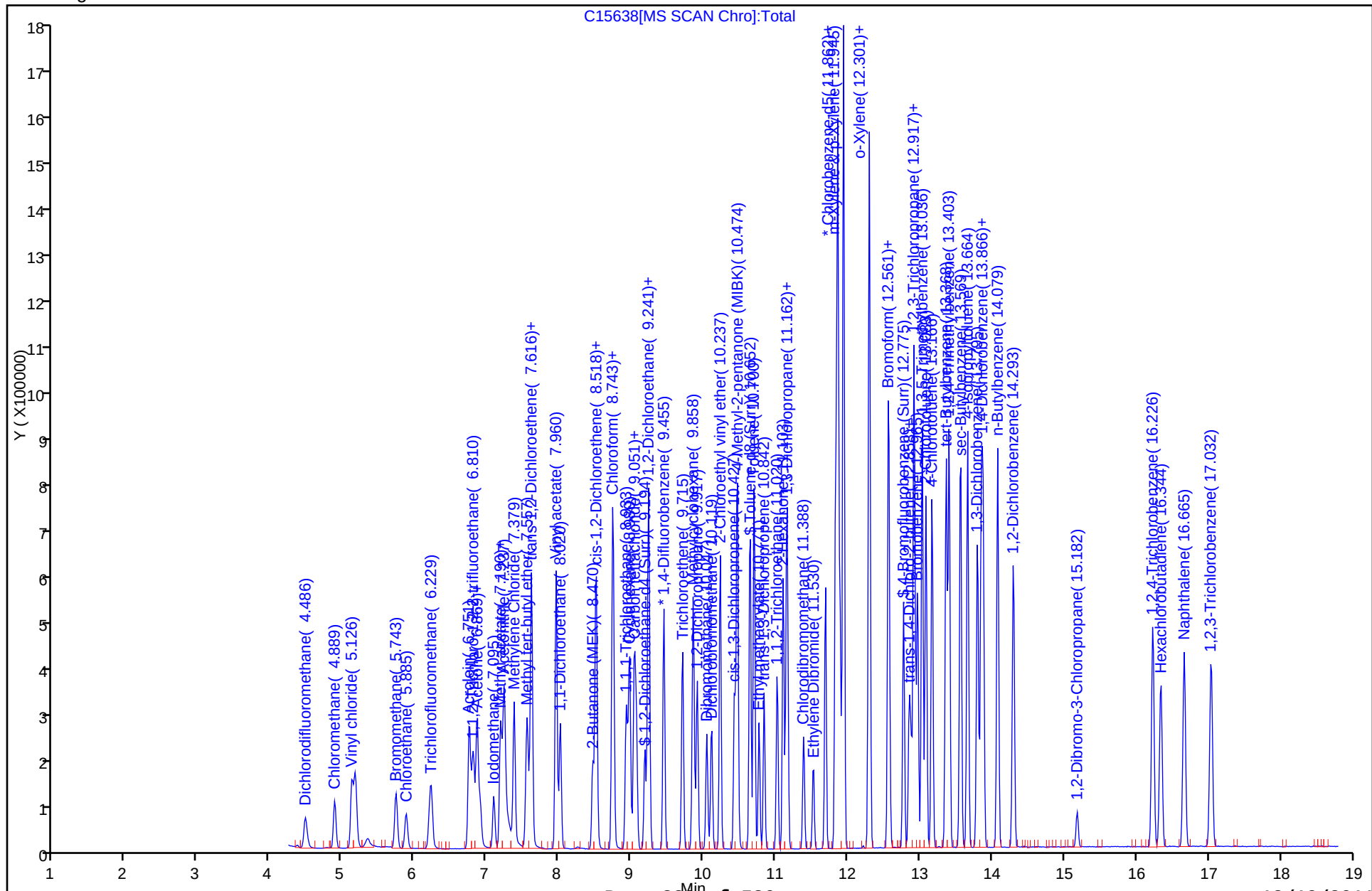
Lims Sample ID: 2

Operator ID: CDC

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.: 480-12393-1

SDG No.: _____

Lab Sample ID: CCVIS 480-40606/2 Calibration Date: 11/16/2011 08:39

Instrument ID: HP5973N Calib Start Date: 10/19/2011 09:30

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 10/19/2011 11:26

Lab File ID: N3537.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	0.2269	0.2607		28.7	25.0	14.9	50.0
Chloromethane	Ave	0.2850	0.2825	0.1000	24.8	25.0	-0.9	50.0
Vinyl chloride	Ave	0.3011	0.2997		24.9	25.0	-0.5	20.0
Bromomethane	Lin1F		0.1278		19.9	25.0	-20.4	50.0
Chloroethane	Ave	0.1754	0.1102		15.7	25.0	-37.2	50.0
Trichlorofluoromethane	Ave	0.2812	0.2554		22.7	25.0	-9.2	50.0
Acrolein	Lin1F		0.0296		2210	500	341.0*	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2262	0.2118		23.4	25.0	-6.3	50.0
1,1-Dichloroethene	Ave	0.2831	0.2811	0.1000	24.8	25.0	-0.7	20.0
Acetone	Ave	0.0668	0.0653		122	125	-2.2	50.0
Iodomethane	Ave	0.3073	0.2751		22.4	25.0	-10.5	50.0
Carbon disulfide	Ave	0.6995	0.6271		22.4	25.0	-10.4	50.0
Methyl acetate	Ave	0.2969	0.3083		26.0	25.0	3.8	50.0
Acetonitrile	Ave	0.0129	0.0132		1020	1000	2.4	50.0
Methylene Chloride	Ave	0.2841	0.2701		23.8	25.0	-4.9	50.0
Methyl tert-butyl ether	Ave	0.8835	0.7412		21.0	25.0	-16.1	50.0
trans-1,2-Dichloroethene	Ave	0.2849	0.2823		24.8	25.0	-0.9	50.0
Acrylonitrile	Ave	0.0828	0.0902		136	125	8.9	50.0
1,1-Dichloroethane	Ave	0.4757	0.4377		23.0	25.0	-8.0	50.0
Vinyl acetate	Ave	0.3864	0.3241		105	125	-16.1	50.0
2,2-Dichloropropane	Ave	0.3638	0.2628		18.1	25.0	-27.7	50.0
cis-1,2-Dichloroethene	Ave	0.3086	0.3050		24.7	25.0	-1.2	50.0
2-Butanone (MEK)	Ave	0.1031	0.1099		133	125	6.6	50.0
Bromochloromethane	Ave	0.1425	0.1509		26.5	25.0	5.9	50.0
Tetrahydrofuran	Ave	0.0675	0.0711		132	125	5.3	50.0
Chloroform	Ave	0.5241	0.4504		21.5	25.0	-14.1	20.0
1,1,1-Trichloroethane	Ave	0.3290	0.2715		20.6	25.0	-17.5	50.0
Cyclohexane	Ave	0.4365	0.3897		22.3	25.0	-10.7	50.0
Carbon tetrachloride	Ave	0.3456	0.2870		20.8	25.0	-17.0	50.0
1,1-Dichloropropene	Ave	0.3893	0.3698		23.8	25.0	-5.0	50.0
Benzene	Ave	1.163	1.139		24.5	25.0	-2.1	50.0
1,2-Dichloroethane	Ave	0.3609	0.3056		21.2	25.0	-15.3	50.0
Trichloroethene	Ave	0.2922	0.2785		23.8	25.0	-4.7	50.0
Methylcyclohexane	Ave	0.4989	0.4908		24.6	25.0	-1.6	50.0
1,2-Dichloropropane	Ave	0.2684	0.2599		24.2	25.0	-3.2	20.0
Dibromomethane	Ave	0.1635	0.1541		23.6	25.0	-5.7	50.0
Bromodichloromethane	Ave	0.3773	0.3238		21.5	25.0	-14.2	50.0
2-Chloroethyl vinyl ether	Ave	0.1646	0.1640		125	125	-0.4	50.0
cis-1,3-Dichloropropene	Ave	0.4637	0.4145		22.3	25.0	-10.6	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2595	0.2497		120	125	-3.8	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1

SDG No.: _____

Lab Sample ID: CCVIS 480-40606/2 Calibration Date: 11/16/2011 08:39

Instrument ID: HP5973N Calib Start Date: 10/19/2011 09:30

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 10/19/2011 11:26

Lab File ID: N3537.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	0.8716	0.8559		24.5	25.0	-1.8	20.0
trans-1,3-Dichloropropene	Ave	0.4763	0.4198		22.0	25.0	-11.9	50.0
Ethyl methacrylate	Lin1F		0.3669		22.5	25.0	-10.0	50.0
1,1,2-Trichloroethane	Ave	0.2342	0.2360		25.2	25.0	0.8	50.0
Tetrachloroethene	Ave	0.3644	0.3690		25.3	25.0	1.3	50.0
1,3-Dichloropropane	Ave	0.4731	0.4892		25.9	25.0	3.4	50.0
2-Hexanone	Ave	0.1837	0.1775		121	125	-3.4	50.0
Dibromochloromethane	Ave	0.3114	0.3078		24.7	25.0	-1.2	50.0
1,2-Dibromoethane	Ave	0.2757	0.2906		26.4	25.0	5.4	50.0
Chlorobenzene	Ave	0.9458	0.9555	0.3000	25.3	25.0	1.0	50.0
1,1,1,2-Tetrachloroethane	Ave	0.3190	0.2960		23.2	25.0	-7.2	50.0
Ethylbenzene	Ave	1.624	1.555		23.9	25.0	-4.2	20.0
m-Xylene & p-Xylene	Ave	0.6505	0.6340		48.7	50.0	-2.5	50.0
o-Xylene	Ave	0.6232	0.5995		24.0	25.0	-3.8	50.0
Styrene	Ave	1.072	1.021		23.8	25.0	-4.8	50.0
Bromoform	Ave	0.1809	0.1824	0.1000	25.2	25.0	0.8	50.0
Isopropylbenzene	Ave	2.996	2.825		23.6	25.0	-5.7	50.0
Bromobenzene	Ave	0.7631	0.7493		24.5	25.0	-1.8	50.0
1,1,2,2-Tetrachloroethane	Ave	0.6400	0.6766	0.3000	26.4	25.0	5.7	50.0
1,2,3-Trichloropropane	Ave	0.1862	0.2039		27.4	25.0	9.5	50.0
N-Propylbenzene	Ave	3.672	3.447		23.5	25.0	-6.1	50.0
trans-1,4-Dichloro-2-butene	Ave	0.1721	0.1361		98.9	125	-20.9	50.0
2-Chlorotoluene	Ave	0.7366	0.7101		24.1	25.0	-3.6	50.0
1,3,5-Trimethylbenzene	Ave	2.490	2.354		23.6	25.0	-5.5	50.0
4-Chlorotoluene	Ave	2.537	2.266		22.3	25.0	-10.7	50.0
tert-Butylbenzene	Ave	0.5481	0.5470		24.9	25.0	-0.2	50.0
1,2,4-Trimethylbenzene	Ave	2.525	2.367		23.4	25.0	-6.3	50.0
sec-Butylbenzene	Ave	3.087	3.045		24.7	25.0	-1.3	50.0
1,3-Dichlorobenzene	Ave	1.476	1.474		25.0	25.0	-0.0	50.0
4-Isopropyltoluene	Ave	2.611	2.636		25.2	25.0	0.9	50.0
1,4-Dichlorobenzene	Ave	1.535	1.508		24.6	25.0	-1.7	50.0
n-Butylbenzene	Ave	2.332	2.292		24.6	25.0	-1.8	50.0
1,2-Dichlorobenzene	Ave	1.391	1.388		25.0	25.0	-0.2	50.0
1,2-Dibromo-3-Chloropropane	Ave	0.0989	0.1032		26.1	25.0	4.3	50.0
1,2,4-Trichlorobenzene	Ave	0.7714	0.9182		29.8	25.0	19.0	50.0
Hexachlorobutadiene	Ave	0.3483	0.3837		27.5	25.0	10.2	50.0
Naphthalene	Ave	1.725	2.218		32.1	25.0	28.6	50.0
1,2,3-Trichlorobenzene	Ave	0.6276	0.7900		31.5	25.0	25.9	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3262	0.2754		21.1	25.0	-15.6	50.0
Toluene-d8 (Surr)	Ave	1.262	1.328		26.3	25.0	5.2	50.0
4-Bromofluorobenzene (Surr)	Ave	0.3979	0.4092		25.7	25.0	2.8	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7564.b\N3537.D
 Lims ID: CCVIS Client ID:
 Inject. Date: 16-Nov-2011 08:39:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: CCVIS
 Misc. Info.: 480-0007564-002
 Operator: LH Instrument ID: HP5973N
 Vol. Injected: 1.0000 ALS Bottle#: 24
 Lims Batch ID: 40606 Lims Sample ID: 2
 Sublist: chrom-N-8260*sub7
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20111116-7564.b\N-8260.m
 Last Update: 16-Nov-2011 08:59:46 Calib Date: 19-Oct-2011 15:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20111019-6796.b\N2257.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: HillL

Date: 16-Nov-2011 08:59:46

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	723869	25.0	
* 2 Chlorobenzene-d5	117	7.414	7.414	0.0	84	620418	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.878	9.878	0.0	71	336636	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.226	4.226	0.0	0	199314	21.1	
\$ 6 Toluene-d8 (Surr)	98	5.966	5.966	0.0	71	823627	26.3	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.661	8.661	0.0	93	253863	25.7	
11 Dichlorodifluoromethane	85	1.002	1.002	0.0	86	188713	28.7	
13 Chloromethane	50	1.087	1.087	0.0	99	204491	24.8	
14 Vinyl chloride	62	1.166	1.166	0.0	98	216930	24.9	
15 Bromomethane	94	1.367	1.367	0.0	89	92519	19.9	
16 Chloroethane	64	1.422	1.422	0.0	98	79777	15.7	
18 Trichlorofluoromethane	101	1.610	1.610	0.0	96	184893	22.7	
20 Acrolein	56	1.933	1.933	0.0	95	428565	2205.2	E
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	1.994	1.994	0.0	67	153348	23.4	
22 1,1-Dichloroethene	96	1.994	1.994	0.0	91	203454	24.8	
23 Acetone	43	2.061	2.061	0.0	95	236491	122.3	
24 Iodomethane	142	2.115	2.115	0.0	96	199122	22.4	
25 Carbon disulfide	76	2.164	2.164	0.0	97	453909	22.4	
28 Methyl acetate	43	2.316	2.316	0.0	91	223134	26.0	
29 Acetonitrile	40	2.353	2.353	0.0	99	382061	1024.1	
30 Methylene Chloride	84	2.420	2.420	0.0	77	195549	23.8	
33 trans-1,2-Dichloroethene	96	2.608	2.608	0.0	67	204358	24.8	
32 Methyl tert-butyl ether	73	2.602	2.602	0.0	88	536505	21.0	
34 Acrylonitrile	53	2.645	2.645	0.0	97	326283	136.1	
36 1,1-Dichloroethane	63	2.979	2.979	0.0	84	316846	23.0	
39 Vinyl acetate	43	3.040	3.040	0.0	97	1173065	104.8	
42 2,2-Dichloropropane	77	3.478	3.478	0.0	81	190265	18.1	
43 cis-1,2-Dichloroethene	96	3.496	3.496	0.0	78	220768	24.7	
44 2-Butanone (MEK)	43	3.539	3.539	0.0	92	397700	133.2	
47 Chlorobromomethane	128	3.715	3.715	0.0	86	109235	26.5	

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	257310	131.7	
50 Chloroform	83	3.794	3.794	0.0	88	326001	21.5	
51 1,1,1-Trichloroethane	97	3.904	3.904	0.0	93	196497	20.6	
52 Cyclohexane	56	3.916	3.916	0.0	85	282097	22.3	
53 Carbon tetrachloride	117	4.038	4.038	0.0	62	207734	20.8	
54 1,1-Dichloropropene	75	4.044	4.044	0.0	97	267684	23.8	
55 Benzene	78	4.232	4.232	0.0	96	824177	24.5	
57 1,2-Dichloroethane	62	4.293	4.293	0.0	80	221229	21.2	
60 Trichloroethene	95	4.829	4.829	0.0	93	201627	23.8	
62 Methylcyclohexane	83	4.950	4.950	0.0	84	355267	24.6	
63 1,2-Dichloropropane	63	5.054	5.054	0.0	96	188105	24.2	
64 Dibromomethane	93	5.181	5.181	0.0	86	111553	23.6	
67 Dichlorobromomethane	83	5.346	5.346	0.0	94	234351	21.5	
69 2-Chloroethyl vinyl ether	63	5.638	5.638	0.0	92	593467	124.5	
71 cis-1,3-Dichloropropene	75	5.753	5.753	0.0	92	300059	22.3	
72 4-Methyl-2-pentanone (MIBK)	43	5.912	5.912	0.0	94	774706	120.3	
73 Toluene	92	6.033	6.033	0.0	90	531034	24.5	
75 trans-1,3-Dichloropropene	75	6.319	6.319	0.0	89	260475	22.0	
77 Ethyl methacrylate	69	6.392	6.392	0.0	86	227603	22.5	
78 1,1,2-Trichloroethane	83	6.496	6.496	0.0	89	146440	25.2	
79 Tetrachloroethene	166	6.550	6.550	0.0	83	228950	25.3	
80 1,3-Dichloropropane	76	6.648	6.648	0.0	83	303532	25.9	
82 2-Hexanone	43	6.745	6.745	0.0	93	550638	120.8	
83 Chlorodibromomethane	129	6.873	6.873	0.0	86	190954	24.7	
84 Ethylene Dibromide	107	6.958	6.958	0.0	97	180318	26.4	
85 Chlorobenzene	112	7.445	7.445	0.0	96	592790	25.3	
88 Ethylbenzene	91	7.548	7.548	0.0	97	964698	23.9	
89 1,1,1,2-Tetrachloroethane	131	7.548	7.548	0.0	39	183639	23.2	
90 m-Xylene & p-Xylene	106	7.676	7.676	0.0	99	786706	48.7	
91 o-Xylene	106	8.083	8.083	0.0	95	371909	24.0	
92 Styrene	104	8.120	8.120	0.0	94	633444	23.8	
93 Bromoform	173	8.339	8.339	0.0	95	113155	25.2	
95 Isopropylbenzene	105	8.479	8.479	0.0	94	950834	23.6	
97 Bromobenzene	156	8.795	8.795	0.0	89	252248	24.5	
98 1,1,2,2-Tetrachloroethane	83	8.892	8.892	0.0	96	227776	26.4	
99 1,2,3-Trichloropropane	110	8.911	8.911	0.0	52	68655	27.4	
100 N-Propylbenzene	91	8.917	8.917	0.0	97	1160216	23.5	
101 trans-1,4-Dichloro-2-butene	53	8.941	8.941	0.0	83	229086	98.9	
102 2-Chlorotoluene	126	9.008	9.008	0.0	96	239033	24.1	
104 1,3,5-Trimethylbenzene	105	9.118	9.118	0.0	86	792473	23.6	
105 4-Chlorotoluene	91	9.130	9.130	0.0	97	762906	22.3	
106 tert-Butylbenzene	134	9.452	9.452	0.0	83	184129	24.9	
108 1,2,4-Trimethylbenzene	105	9.513	9.513	0.0	65	796761	23.4	
109 sec-Butylbenzene	105	9.683	9.683	0.0	93	1025185	24.7	
110 1,3-Dichlorobenzene	146	9.805	9.805	0.0	96	496279	25.0	
111 4-Isopropyltoluene	119	9.842	9.842	0.0	86	887301	25.2	
113 1,4-Dichlorobenzene	146	9.902	9.902	0.0	95	507699	24.6	
115 n-Butylbenzene	91	10.249	10.249	0.0	94	771404	24.6	
116 1,2-Dichlorobenzene	146	10.267	10.267	0.0	99	467403	25.0	
117 1,2-Dibromo-3-Chloropropane	75	11.028	11.028	0.0	77	34724	26.1	
119 1,2,4-Trichlorobenzene	180	11.727	11.727	0.0	91	309089	29.8	
120 Hexachlorobutadiene	225	11.855	11.855	0.0	96	129155	27.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	11.934	11.934	0.0	96	746719	32.1	
122 1,2,3-Trichlorobenzene	180	12.141	12.141	0.0	97	265932	31.5	
S 123 1,3-Dichloropropene, Total	1				0		44.4	
S 124 1,2-Dichloroethene, Total	1				0		49.5	
S 125 Total BTEX	1				0		145.7	
S 126 Xylenes, Total	1				0		72.8	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Report Date: 16-Nov-2011 08:59:46

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7564.b\N3537.D

Injection Date: 16-Nov-2011 08:39:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 40606

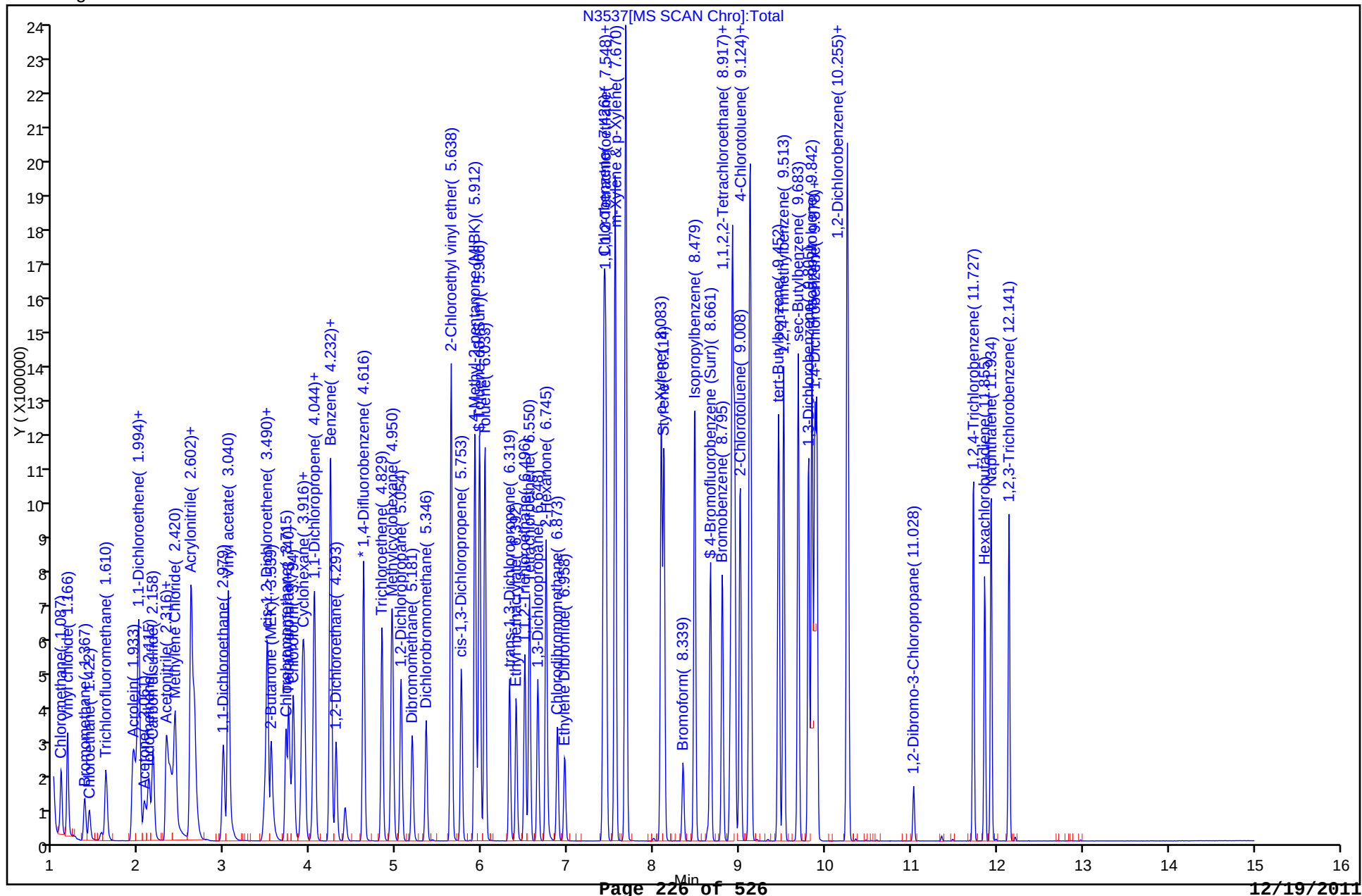
Lims Sample ID: 2

Operator ID: LH

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.: 480-12393-1

SDG No.: _____

Lab Sample ID: CCVIS 480-40801/2 Calibration Date: 11/16/2011 20:52

Instrument ID: HP5973N Calib Start Date: 10/19/2011 09:30

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 10/19/2011 11:26

Lab File ID: N3568.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	0.2269	0.2608		28.7	25.0	14.9	50.0
Chloromethane	Ave	0.2850	0.2804	0.1000	24.6	25.0	-1.6	50.0
Vinyl chloride	Ave	0.3011	0.2957		24.6	25.0	-1.8	20.0
Bromomethane	Lin1F		0.1248		19.4	25.0	-22.4	50.0
Chloroethane	Ave	0.1754	0.1564		22.3	25.0	-10.8	50.0
Trichlorofluoromethane	Ave	0.2812	0.2657		23.6	25.0	-5.5	50.0
Acrolein	Lin1F		0.0315		2340	500	368.6*	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2262	0.2038		22.5	25.0	-9.9	50.0
1,1-Dichloroethene	Ave	0.2831	0.2783	0.1000	24.6	25.0	-1.7	20.0
Acetone	Ave	0.0668	0.0678		127	125	1.6	50.0
Iodomethane	Ave	0.3073	0.2691		21.9	25.0	-12.4	50.0
Carbon disulfide	Ave	0.6995	0.6102		21.8	25.0	-12.8	50.0
Methyl acetate	Ave	0.2969	0.3323		28.0	25.0	11.9	50.0
Acetonitrile	Ave	0.0129	0.0127		988	1000	-1.2	50.0
Methylene Chloride	Ave	0.2841	0.2707		23.8	25.0	-4.7	50.0
Methyl tert-butyl ether	Ave	0.8835	0.7901		22.4	25.0	-10.6	50.0
trans-1,2-Dichloroethene	Ave	0.2849	0.2850		25.0	25.0	0.0	50.0
Acrylonitrile	Ave	0.0828	0.0976		147	125	17.9	50.0
1,1-Dichloroethane	Ave	0.4757	0.4637		24.4	25.0	-2.5	50.0
Vinyl acetate	Ave	0.3864	0.3335		108	125	-13.7	50.0
2,2-Dichloropropane	Ave	0.3638	0.2754		18.9	25.0	-24.3	50.0
cis-1,2-Dichloroethene	Ave	0.3086	0.3175		25.7	25.0	2.9	50.0
2-Butanone (MEK)	Ave	0.1031	0.1180		143	125	14.4	50.0
Bromochloromethane	Ave	0.1425	0.1561		27.4	25.0	9.5	50.0
Tetrahydrofuran	Ave	0.0675	0.0776		144	125	15.0	50.0
Chloroform	Ave	0.5241	0.4602		22.0	25.0	-12.2	20.0
1,1,1-Trichloroethane	Ave	0.3290	0.2834		21.5	25.0	-13.9	50.0
Cyclohexane	Ave	0.4365	0.4006		22.9	25.0	-8.2	50.0
Carbon tetrachloride	Ave	0.3456	0.2986		21.6	25.0	-13.6	50.0
1,1-Dichloropropene	Ave	0.3893	0.3866		24.8	25.0	-0.7	50.0
Benzene	Ave	1.163	1.188		25.5	25.0	2.1	50.0
1,2-Dichloroethane	Ave	0.3609	0.3153		21.8	25.0	-12.6	50.0
Trichloroethene	Ave	0.2922	0.2888		24.7	25.0	-1.2	50.0
Methylcyclohexane	Ave	0.4989	0.5116		25.6	25.0	2.5	50.0
1,2-Dichloropropane	Ave	0.2684	0.2736		25.5	25.0	1.9	20.0
Dibromomethane	Ave	0.1635	0.1614		24.7	25.0	-1.3	50.0
Bromodichloromethane	Ave	0.3773	0.3422		22.7	25.0	-9.3	50.0
2-Chloroethyl vinyl ether	Ave	0.1646	0.1785		136	125	8.4	50.0
cis-1,3-Dichloropropene	Ave	0.4637	0.4356		23.5	25.0	-6.1	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2595	0.2689		130	125	3.6	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1

SDG No.: _____

Lab Sample ID: CCVIS 480-40801/2 Calibration Date: 11/16/2011 20:52

Instrument ID: HP5973N Calib Start Date: 10/19/2011 09:30

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 10/19/2011 11:26

Lab File ID: N3568.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	0.8716	0.8917		25.6	25.0	2.3	20.0
trans-1,3-Dichloropropene	Ave	0.4763	0.4443		23.3	25.0	-6.7	50.0
Ethyl methacrylate	Lin1F		0.3870		23.7	25.0	-5.2	50.0
1,1,2-Trichloroethane	Ave	0.2342	0.2521		26.9	25.0	7.6	50.0
Tetrachloroethene	Ave	0.3644	0.3847		26.4	25.0	5.6	50.0
1,3-Dichloropropane	Ave	0.4731	0.5174		27.3	25.0	9.4	50.0
2-Hexanone	Ave	0.1837	0.1947		133	125	6.0	50.0
Dibromochloromethane	Ave	0.3114	0.3334		26.8	25.0	7.0	50.0
1,2-Dibromoethane	Ave	0.2757	0.3073		27.9	25.0	11.5	50.0
Chlorobenzene	Ave	0.9458	0.9858	0.3000	26.1	25.0	4.2	50.0
1,1,1,2-Tetrachloroethane	Ave	0.3190	0.3107		24.4	25.0	-2.6	50.0
Ethylbenzene	Ave	1.624	1.630		25.1	25.0	0.4	20.0
m-Xylene & p-Xylene	Ave	0.6505	0.6548		50.3	50.0	0.7	50.0
o-Xylene	Ave	0.6232	0.6234		25.0	25.0	0.0	50.0
Styrene	Ave	1.072	1.066		24.9	25.0	-0.6	50.0
Bromoform	Ave	0.1809	0.2050	0.1000	28.3	25.0	13.3	50.0
Isopropylbenzene	Ave	2.996	2.984		24.9	25.0	-0.4	50.0
Bromobenzene	Ave	0.7631	0.7820		25.6	25.0	2.5	50.0
1,1,2,2-Tetrachloroethane	Ave	0.6400	0.7322	0.3000	28.6	25.0	14.4	50.0
1,2,3-Trichloropropane	Ave	0.1862	0.2152		28.9	25.0	15.6	50.0
N-Propylbenzene	Ave	3.672	3.623		24.7	25.0	-1.3	50.0
trans-1,4-Dichloro-2-butene	Ave	0.1721	0.1414		103	125	-17.8	50.0
2-Chlorotoluene	Ave	0.7366	0.7455		25.3	25.0	1.2	50.0
1,3,5-Trimethylbenzene	Ave	2.490	2.423		24.3	25.0	-2.7	50.0
4-Chlorotoluene	Ave	2.537	2.352		23.2	25.0	-7.3	50.0
tert-Butylbenzene	Ave	0.5481	0.5798		26.4	25.0	5.8	50.0
1,2,4-Trimethylbenzene	Ave	2.525	2.467		24.4	25.0	-2.3	50.0
sec-Butylbenzene	Ave	3.087	3.183		25.8	25.0	3.1	50.0
1,3-Dichlorobenzene	Ave	1.476	1.544		26.2	25.0	4.7	50.0
4-Isopropyltoluene	Ave	2.611	2.737		26.2	25.0	4.8	50.0
1,4-Dichlorobenzene	Ave	1.535	1.568		25.6	25.0	2.2	50.0
n-Butylbenzene	Ave	2.332	2.397		25.7	25.0	2.8	50.0
1,2-Dichlorobenzene	Ave	1.391	1.437		25.8	25.0	3.3	50.0
1,2-Dibromo-3-Chloropropane	Ave	0.0989	0.1141		28.8	25.0	15.4	50.0
1,2,4-Trichlorobenzene	Ave	0.7714	0.9316		30.2	25.0	20.8	50.0
Hexachlorobutadiene	Ave	0.3483	0.3991		28.6	25.0	14.6	50.0
Naphthalene	Ave	1.725	2.496		36.2	25.0	44.7	50.0
1,2,3-Trichlorobenzene	Ave	0.6276	0.8074		32.2	25.0	28.6	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3262	0.2698		20.7	25.0	-17.3	50.0
Toluene-d8 (Surr)	Ave	1.262	1.347		26.7	25.0	6.8	50.0
4-Bromofluorobenzene (Surr)	Ave	0.3979	0.4113		25.8	25.0	3.4	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7595.b\N3568.D
 Lims ID: CCVIS Client ID:
 Inject. Date: 16-Nov-2011 20:52:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: CCVIS
 Misc. Info.: 480-0007595-002
 Operator: CDC Instrument ID: HP5973N
 Vol. Injected: 1.0000 ALS Bottle#: 1
 Lims Batch ID: 40801 Lims Sample ID: 2
 Sublist: chrom-N-8260*sub7
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20111116-7595.b\N-8260.m
 Last Update: 16-Nov-2011 22:29:04 Calib Date: 19-Oct-2011 15:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20111019-6796.b\N2257.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: cwiklinc

Date: 16-Nov-2011 21:11:38

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.585	4.585	0.0	90	687736	25.0	
* 2 Chlorobenzene-d5	117	7.384	7.384	0.0	83	583553	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.847	9.847	0.0	71	313414	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.196	4.196	0.0	0	185542	20.7	
\$ 6 Toluene-d8 (Surr)	98	5.936	5.936	0.0	70	786193	26.7	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.631	8.631	0.0	94	240026	25.8	
11 Dichlorodifluoromethane	85	0.990	0.990	0.0	96	179372	28.7	
13 Chloromethane	50	1.081	1.081	0.0	99	192811	24.6	
14 Vinyl chloride	62	1.154	1.154	0.0	98	203371	24.6	
15 Bromomethane	94	1.355	1.355	0.0	89	85838	19.4	
16 Chloroethane	64	1.403	1.403	0.0	99	107569	22.3	
18 Trichlorofluoromethane	101	1.598	1.598	0.0	96	182745	23.6	
20 Acrolein	56	1.908	1.908	0.0	89	432601	2342.9	E
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	1.975	1.975	0.0	66	140160	22.5	
22 1,1-Dichloroethene	96	1.975	1.975	0.0	91	191396	24.6	
23 Acetone	43	2.042	2.042	0.0	96	233258	126.9	
24 Iodomethane	142	2.091	2.091	0.0	95	185097	21.9	
25 Carbon disulfide	76	2.140	2.140	0.0	97	419619	21.8	
28 Methyl acetate	43	2.298	2.298	0.0	94	228509	28.0	
29 Acetonitrile	40	2.334	2.334	0.0	99	350073	987.7	
30 Methylene Chloride	84	2.395	2.395	0.0	80	186179	23.8	
33 trans-1,2-Dichloroethene	96	2.584	2.584	0.0	63	195968	25.0	
32 Methyl tert-butyl ether	73	2.584	2.584	0.0	87	543399	22.4	
34 Acrylonitrile	53	2.620	2.620	0.0	98	335584	147.3	
36 1,1-Dichloroethane	63	2.955	2.955	0.0	94	318870	24.4	
39 Vinyl acetate	43	3.016	3.016	0.0	97	1146640	107.9	
42 2,2-Dichloropropane	77	3.454	3.454	0.0	76	189389	18.9	
43 cis-1,2-Dichloroethene	96	3.466	3.466	0.0	79	218320	25.7	
44 2-Butanone (MEK)	43	3.508	3.508	0.0	91	405725	143.1	
47 Chlorobromomethane	128	3.685	3.685	0.0	88	107357	27.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	3.715	3.715	0.0	84	266834	143.7	
50 Chloroform	83	3.770	3.770	0.0	87	316489	22.0	
51 1,1,1-Trichloroethane	97	3.873	3.873	0.0	93	194909	21.5	
52 Cyclohexane	56	3.892	3.892	0.0	85	275498	22.9	
53 Carbon tetrachloride	117	4.007	4.007	0.0	73	205351	21.6	
54 1,1-Dichloropropene	75	4.013	4.013	0.0	97	265853	24.8	
55 Benzene	78	4.202	4.202	0.0	96	817144	25.5	
57 1,2-Dichloroethane	62	4.269	4.269	0.0	80	216872	21.8	
60 Trichloroethene	95	4.798	4.798	0.0	94	198605	24.7	
62 Methylcyclohexane	83	4.920	4.920	0.0	85	351830	25.6	
63 1,2-Dichloropropane	63	5.023	5.023	0.0	97	188168	25.5	
64 Dibromomethane	93	5.151	5.151	0.0	89	111012	24.7	
67 Dichlorobromomethane	83	5.315	5.315	0.0	94	235357	22.7	
69 2-Chloroethyl vinyl ether	63	5.607	5.607	0.0	92	613646	135.5	
71 cis-1,3-Dichloropropene	75	5.723	5.723	0.0	91	299591	23.5	
72 4-Methyl-2-pentanone (MIBK)	43	5.881	5.881	0.0	93	784542	129.5	
73 Toluene	92	6.003	6.003	0.0	90	520336	25.6	
75 trans-1,3-Dichloropropene	75	6.289	6.289	0.0	90	259246	23.3	
77 Ethyl methacrylate	69	6.368	6.368	0.0	85	225847	23.7	
78 1,1,2-Trichloroethane	83	6.465	6.465	0.0	89	147102	26.9	
79 Tetrachloroethene	166	6.520	6.520	0.0	88	224509	26.4	
80 1,3-Dichloropropane	76	6.617	6.617	0.0	84	301925	27.3	
82 2-Hexanone	43	6.714	6.714	0.0	88	568180	132.5	
83 Chlorodibromomethane	129	6.842	6.842	0.0	85	194533	26.8	
84 Ethylene Dibromide	107	6.927	6.927	0.0	98	179317	27.9	
85 Chlorobenzene	112	7.408	7.408	0.0	95	575281	26.1	
89 1,1,1,2-Tetrachloroethane	131	7.517	7.517	0.0	41	181313	24.4	
88 Ethylbenzene	91	7.517	7.517	0.0	97	951191	25.1	
90 m-Xylene & p-Xylene	106	7.639	7.639	0.0	100	764233	50.3	
91 o-Xylene	106	8.053	8.053	0.0	95	363767	25.0	
92 Styrene	104	8.083	8.083	0.0	94	621999	24.9	
93 Bromoform	173	8.308	8.308	0.0	95	119618	28.3	
95 Isopropylbenzene	105	8.442	8.442	0.0	95	935338	24.9	
97 Bromobenzene	156	8.765	8.765	0.0	89	245085	25.6	
98 1,1,2,2-Tetrachloroethane	83	8.862	8.862	0.0	96	229490	28.6	
99 1,2,3-Trichloropropane	110	8.880	8.880	0.0	51	67445	28.9	
100 N-Propylbenzene	91	8.886	8.886	0.0	96	1135448	24.7	
101 trans-1,4-Dichloro-2-butene	53	8.911	8.911	0.0	83	221567	102.7	
102 2-Chlorotoluene	126	8.971	8.971	0.0	95	233647	25.3	
104 1,3,5-Trimethylbenzene	105	9.087	9.087	0.0	87	759350	24.3	
105 4-Chlorotoluene	91	9.093	9.093	0.0	98	737035	23.2	
106 tert-Butylbenzene	134	9.422	9.422	0.0	88	181730	26.4	
108 1,2,4-Trimethylbenzene	105	9.482	9.482	0.0	63	773091	24.4	
109 sec-Butylbenzene	105	9.653	9.653	0.0	93	997672	25.8	
110 1,3-Dichlorobenzene	146	9.774	9.774	0.0	97	483979	26.2	
111 4-Isopropyltoluene	119	9.811	9.811	0.0	88	857798	26.2	
113 1,4-Dichlorobenzene	146	9.872	9.872	0.0	95	491577	25.6	
115 n-Butylbenzene	91	10.225	10.225	0.0	93	751292	25.7	
116 1,2-Dichlorobenzene	146	10.237	10.237	0.0	99	450252	25.8	
117 1,2-Dibromo-3-Chloropropane	75	10.997	10.997	0.0	77	35761	28.8	
119 1,2,4-Trichlorobenzene	180	11.697	11.697	0.0	94	291969	30.2	
120 Hexachlorobutadiene	225	11.831	11.831	0.0	95	125084	28.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	11.904	11.904	0.0	96	782244	36.2	
122 1,2,3-Trichlorobenzene	180	12.117	12.117	0.0	95	253053	32.2	
S 125 Total BTEX	1				0		151.5	
S 126 Xylenes, Total	1				0		75.3	
S 123 1,3-Dichloropropene, Total	1				0		46.8	
S 124 1,2-Dichloroethene, Total	1				0		50.7	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Report Date: 16-Nov-2011 22:29:04

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7595.b\N3568.D

Injection Date: 16-Nov-2011 20:52:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 40801

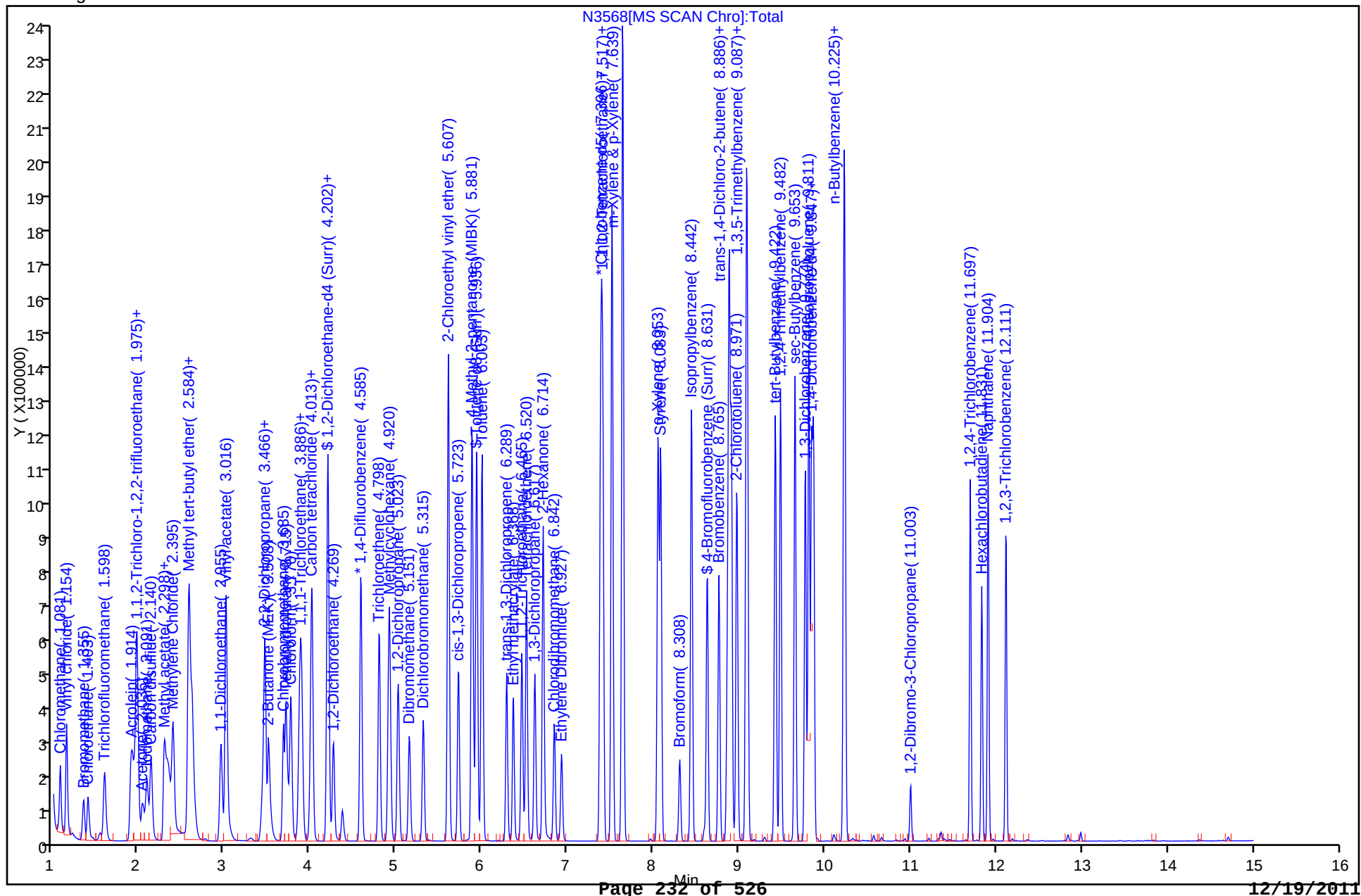
Lims Sample ID: 2

Operator ID: CDC

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973C\20111104-7267.b\C15095.D
Lims ID: BFB Client ID:
Inject. Date: 04-Nov-2011 12:45:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.: 480-0007267-001
Operator: LH Instrument ID: HP5973C
Vol. Injected: 1.0000 ALS Bottle#: 30
Lims Batch ID: 38908 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973C\20111104-7267.b\C-8260.m
Last Update: 04-Nov-2011 12:55:44 Calib Date: 05-Oct-2011 19:19:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973C\20111005-6458.b\C14106.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Process Host: CORP-CTX-16

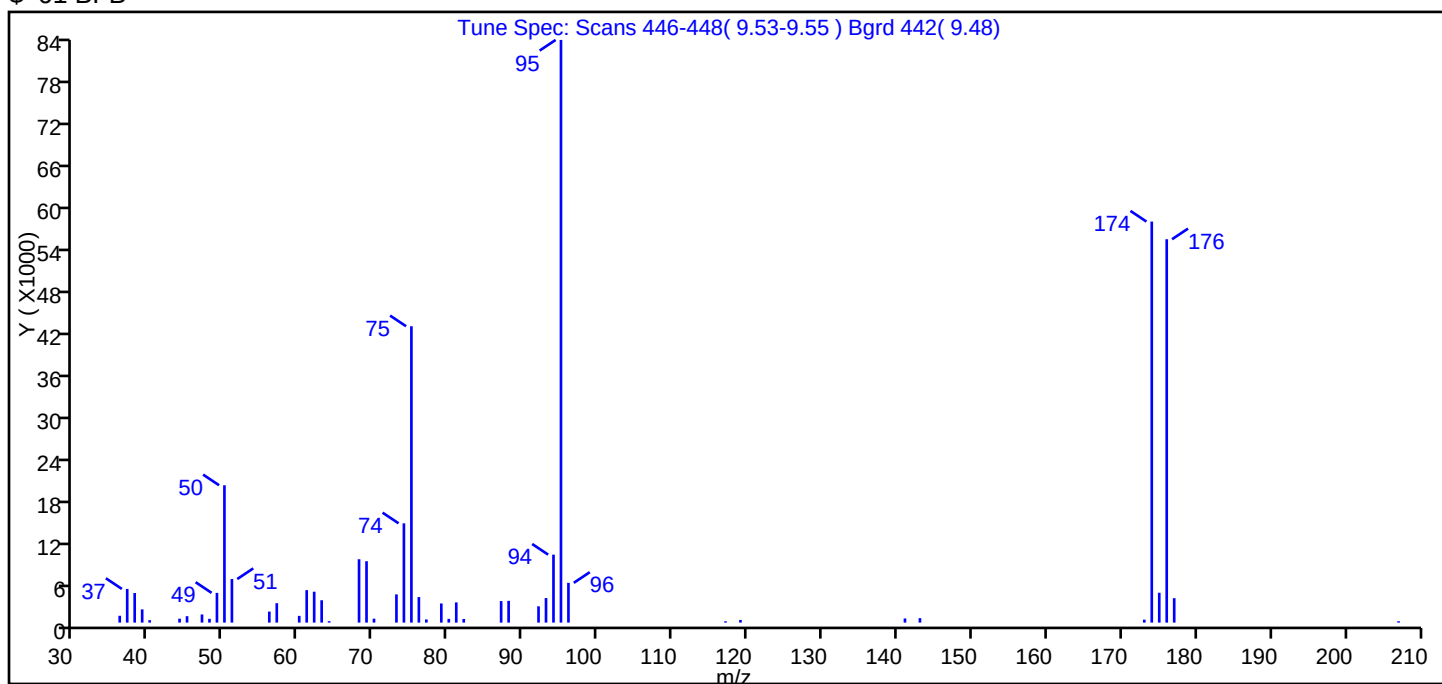
First Level Reviewer: HillL

Date: 04-Nov-2011 12:55:44

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
\$ 61 BFB	95	9.538	9.538	0.0	0	235465	0	

Data File: \\Bufchrom\ChromData\HP5973C\201111104-7267.b\C15095.D
Injection Date: 04-Nov-2011 12:45:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973C
Lims Batch ID: 38908 Lims Sample ID: 1
Operator ID: LH
Column Type: ZB-624 Column Dia: 0.25 mm
Tune Method: BFB Method 8260

\$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	23.57
75	30.00 - 60.00% of mass 95	50.86
96	5.00 - 9.00% of mass 95	6.82
173	Less than 2.00% of mass 174	0.51 (0.74)
174	Greater than 50.00% of mass 95	68.82
175	5.00 - 9.00% of mass 174	5.12 (7.45)
176	95.00 - 101.00% of mass 174	65.79 (95.60)
177	5.00 - 9.00% of mass 176	4.19 (6.37)

Data File: \\Bufchrom\ChromData\HP5973C\20111104-7267.b\C15095.D\C-8260.rslt\spectra.d
Injection Date: 04-Nov-2011 12:45:30
Spectrum: Tune Spec: Scans 446-448(9.53-9.55) Bgrd 442(9.48)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 48

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	978	56.00	1578	75.00	42432	95.00	83424
37.00	4819	57.00	2778	76.00	3653	96.00	5691
38.00	4233	60.00	963	77.00	453	117.00	187
39.00	1894	61.00	4648	79.00	2740	119.00	381
40.00	344	62.00	4424	80.00	531	141.00	590
44.00	560	63.00	3200	81.00	2891	143.00	638
45.00	918	64.00	207	82.00	517	173.00	424
47.00	1163	68.00	9071	87.00	3078	174.00	57416
48.00	538	69.00	8789	88.00	3114	175.00	4275
49.00	4256	70.00	562	92.00	2333	176.00	54888
50.00	19664	73.00	4038	93.00	3512	177.00	3496
51.00	6235	74.00	14213	94.00	9730	207.00	193

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973C\20111117-7606.b\C15609.D
Lims ID: BFB Client ID:
Inject. Date: 17-Nov-2011 09:37:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.: 480-0007606-001
Operator: LH Instrument ID: HP5973C
Vol. Injected: 1.0000 ALS Bottle#: 23
Lims Batch ID: 40867 Lims Sample ID: 1
Detector: MS SCAN
Method: \\Bufchrom\ChromData\HP5973C\20111117-7606.b\C-8260.m
Last Update: 17-Nov-2011 09:46:35 Calib Date: 04-Nov-2011 20:26:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973C\20111104-7267.b\C15113.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Process Host: CORP-CTX-16

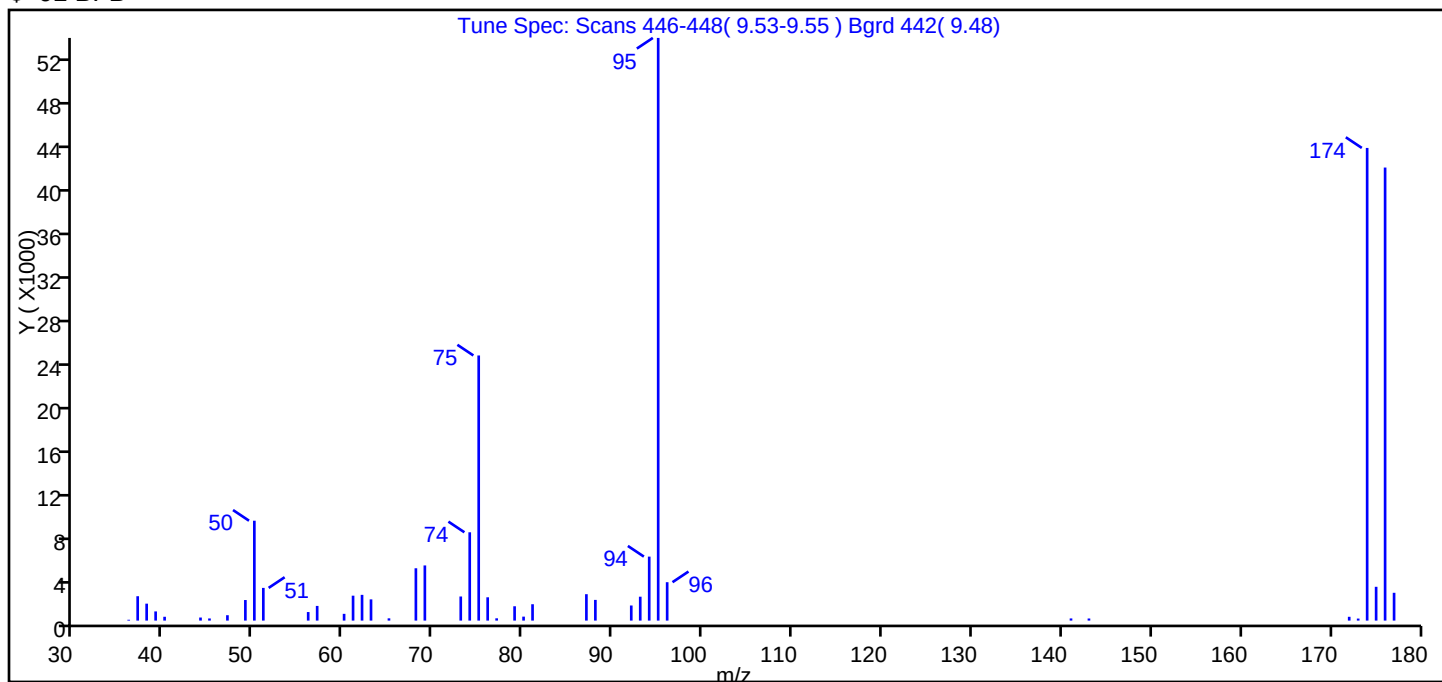
First Level Reviewer: HillL

Date: 17-Nov-2011 09:46:35

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
\$ 61 BFB	95	9.538	9.538	0.0	0	142974	0	

Data File: \\Bufchrom\ChromData\HP5973C\20111117-7606.b\C15609.D
Injection Date: 17-Nov-2011 09:37:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973C
Lims Batch ID: 40867 Lims Sample ID: 1
Operator ID: LH
Column Type: ZB-624 Column Dia: 0.25 mm
Tune Method: BFB Method 8260

\$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.14
75	30.00 - 60.00% of mass 95	45.50
96	5.00 - 9.00% of mass 95	6.59
173	Less than 2.00% of mass 174	0.35 (0.43)
174	Greater than 50.00% of mass 95	81.12
175	5.00 - 9.00% of mass 174	5.80 (7.15)
176	95.00 - 101.00% of mass 174	77.75 (95.85)
177	5.00 - 9.00% of mass 176	4.77 (6.14)

Data File: \\Bufchrom\ChromData\HP5973C\20111117-7606.b\C15609.D\C-8260.rslt\spectra.d

Injection Date: 17-Nov-2011 09:37:30

Spectrum: Tune Spec: Scans 446-448(9.53-9.55) Bgrd 442(9.48)

Base Peak: 95.00

Minimum % Base Peak: 0

Number of Points: 43

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	77	56.00	778	75.00	24120	95.00	53008
37.00	2218	57.00	1335	76.00	2120	96.00	3493
38.00	1541	60.00	615	77.00	208	141.00	197
39.00	835	61.00	2267	79.00	1304	143.00	191
40.00	348	62.00	2342	80.00	361	172.00	346
44.00	279	63.00	1931	81.00	1489	173.00	185
45.00	195	65.00	206	87.00	2403	174.00	43000
47.00	490	68.00	4761	88.00	1883	175.00	3075
49.00	1871	69.00	5018	92.00	1374	176.00	41216
50.00	9087	73.00	2193	93.00	2174	177.00	2530
51.00	2975	74.00	8034	94.00	5821		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973C\20111117-7630.b\C15636.D
Lims ID: BFB Client ID:
Inject. Date: 17-Nov-2011 22:01:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.: 480-0007630-001
Operator: CDC Instrument ID: HP5973C
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 40985 Lims Sample ID: 1
Detector: MS SCAN
Method: \\Bufchrom\ChromData\HP5973C\20111117-7630.b\C-8260.m
Last Update: 17-Nov-2011 22:09:38 Calib Date: 04-Nov-2011 20:26:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973C\20111104-7267.b\C15113.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Process Host: CORP-CTX-19

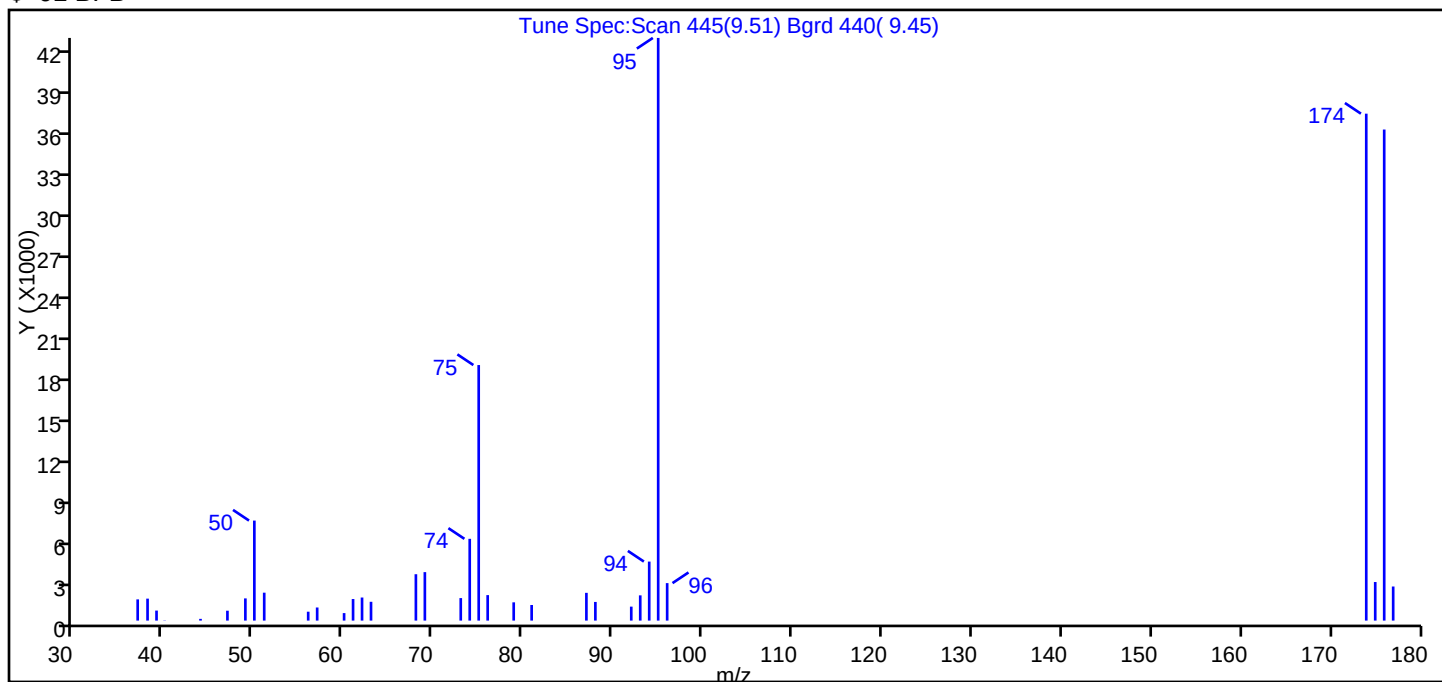
First Level Reviewer: jonesr

Date: 17-Nov-2011 22:09:38

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
\$ 61 BFB	95	9.514	9.514	0.0	0	97513	0	

Data File: \\Bufchrom\ChromData\HP5973C\20111117-7630.b\C15636.D
Injection Date: 17-Nov-2011 22:01:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973C
Lims Batch ID: 40985 Lims Sample ID: 1
Operator ID: CDC
Column Type: ZB-624 Column Dia: 0.25 mm
Tune Method: BFB Method 8260

\$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.17
75	30.00 - 60.00% of mass 95	43.86
96	5.00 - 9.00% of mass 95	6.43
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	87.00
175	5.00 - 9.00% of mass 174	6.62 (7.61)
176	95.00 - 101.00% of mass 174	84.28 (96.87)
177	5.00 - 9.00% of mass 176	5.85 (6.94)

Data File: \\Bufchrom\ChromData\HP5973C\20111117-7630.b\C15636.D\C-8260.rslt\spectra.d

Injection Date: 17-Nov-2011 22:01:30

Spectrum: Tune Spec:Scan 445(9.51) Bgrd 440(9.45)

Base Peak: 95.00

Minimum % Base Peak: 0

Number of Points: 34

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	1551	56.00	650	74.00	5977	94.00	4314
38.10	1605	57.00	958	75.00	18680	95.00	42592
39.10	732	60.00	548	76.00	1863	96.00	2740
40.00	19	61.00	1576	78.90	1335	173.90	37056
44.00	127	62.00	1687	80.90	1140	174.90	2820
47.00	722	63.00	1375	87.00	2029	175.90	35896
49.00	1623	68.00	3390	88.00	1364	176.90	2492
50.00	7311	69.00	3543	92.00	1021		
51.10	2041	73.00	1645	93.00	1845		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20111019-6796.b\N2239.D
Lims ID: BFB Client ID:
Inject. Date: 19-Oct-2011 08:41:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.: 480-0006796-004
Operator: LH Instrument ID: HP5973N
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 36062 Lims Sample ID: 4
Detector: MS SCAN
Method: \\Bufchrom\ChromData\HP5973N\20111019-6796.b\N-8260.m
Last Update: 19-Oct-2011 08:51:51 Calib Date: 11-Oct-2011 14:45:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973N\20111011-6583.b\N1968.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Process Host: CORP-CTX-19

First Level Reviewer: HillL

Date: 19-Oct-2011 08:51:17

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
\$ 4 BFB	95	3.442	3.442	0.0	87	216299	0	

Data File: \\Bufchrom\ChromData\HP5973N\20111019-6796.b\N2239.D

Injection Date: 19-Oct-2011 08:41:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 36062

Lims Sample ID: 4

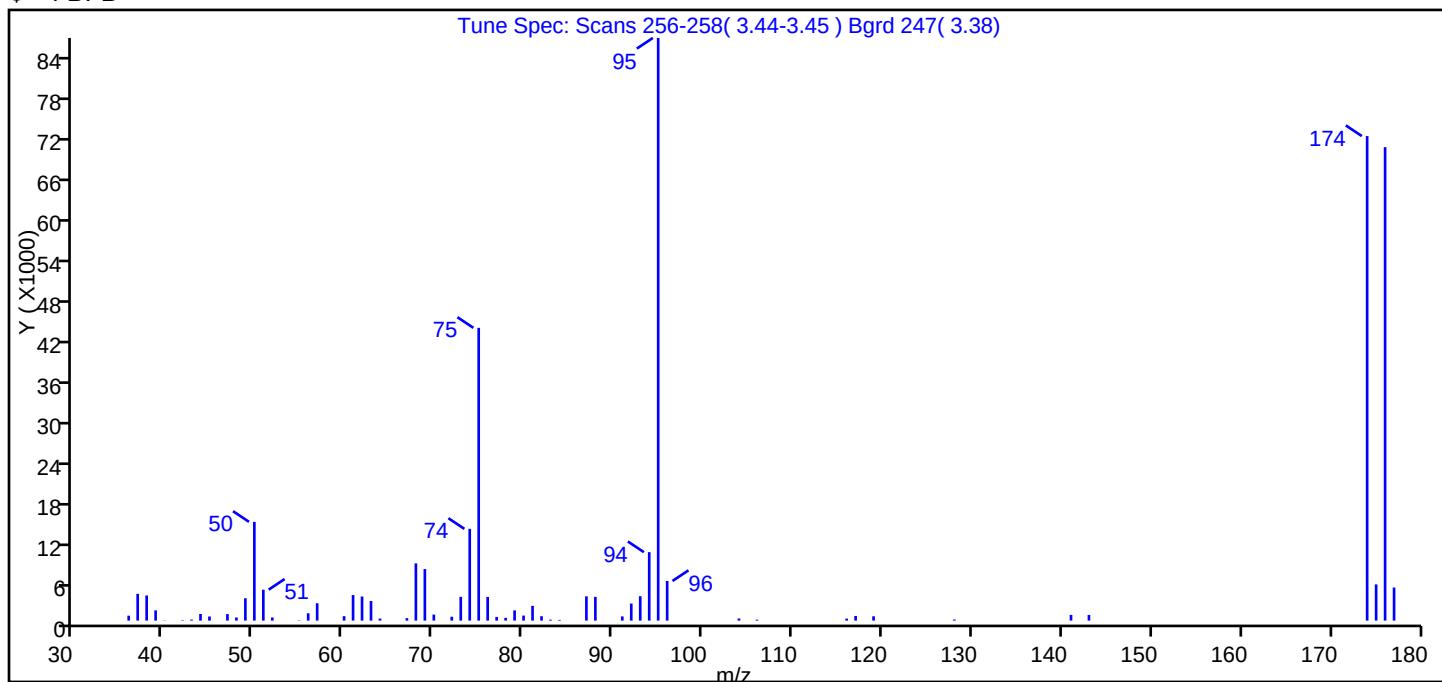
Operator ID: LH

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	16.95
75	30.00 - 60.00% of mass 95	50.24
96	5.00 - 9.00% of mass 95	6.80
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	83.16
175	5.00 - 9.00% of mass 174	6.22 (7.48)
176	95.00 - 101.00% of mass 174	81.25 (97.71)
177	5.00 - 9.00% of mass 176	5.67 (6.98)

Data File: \\Bufchrom\ChromData\HP5973N\20111019-6796.b\N2239.D\N-8260.rslt\spectra.d
Injection Date: 19-Oct-2011 08:41:30
Spectrum: Tune Spec: Scans 256-258(3.44-3.45) Bgrd 247(3.38)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 60

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	729	55.00	47	75.00	43672	94.00	10210
37.00	3985	56.00	1094	76.00	3529	95.00	86920
38.00	3749	57.00	2591	77.00	543	96.00	5910
39.00	1521	60.00	663	78.00	407	104.00	317
40.00	34	61.00	3814	79.00	1522	106.00	139
42.00	69	62.00	3592	80.00	749	116.00	295
43.00	153	63.00	2916	81.00	2199	117.00	691
44.00	986	64.00	302	82.00	654	119.00	644
45.00	613	67.00	363	83.00	137	128.00	156
47.00	975	68.00	8538	84.00	106	141.00	846
48.00	462	69.00	7687	87.00	3620	143.00	836
49.00	3333	70.00	897	88.00	3541	174.00	72280
50.00	14730	72.00	574	91.00	625	175.00	5403
51.00	4612	73.00	3542	92.00	2540	176.00	70624
52.00	467	74.00	13682	93.00	3638	177.00	4929

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7564.b\N3536.D
Lims ID: BFB Client ID:
Inject. Date: 16-Nov-2011 08:15:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.: 480-0007564-001
Operator: LH Instrument ID: HP5973N
Vol. Injected: 1.0000 ALS Bottle#: 23
Lims Batch ID: 40606 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973N\20111116-7564.b\N-8260.m
Last Update: 16-Nov-2011 08:24:44 Calib Date: 19-Oct-2011 15:41:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973N\20111019-6796.b\N2257.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Process Host: CORP-CTX-16

First Level Reviewer: HillL

Date: 16-Nov-2011 08:24:44

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	217646	0	

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7564.b\N3536.D

Injection Date: 16-Nov-2011 08:15:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 40606

Lims Sample ID: 1

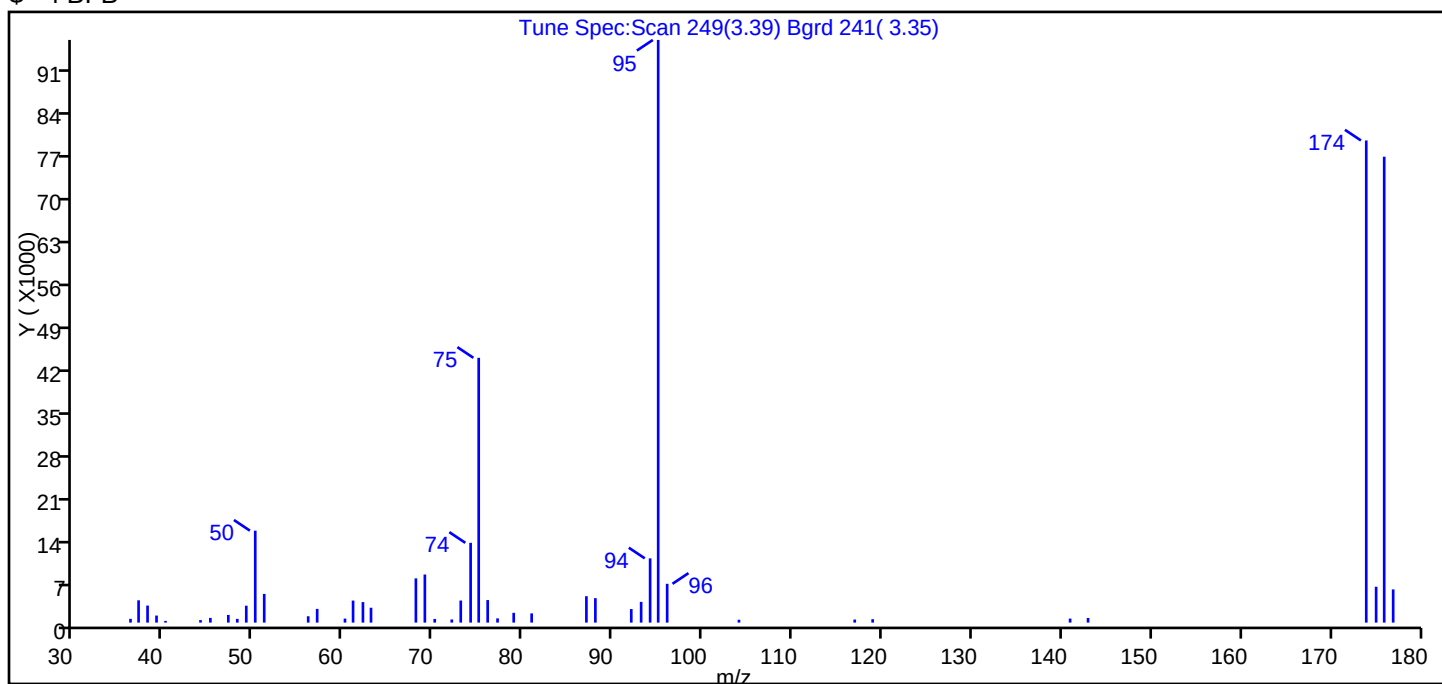
Operator ID: LH

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	15.78
75	30.00 - 60.00% of mass 95	45.44
96	5.00 - 9.00% of mass 95	6.66
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	82.75
175	5.00 - 9.00% of mass 174	6.15 (7.44)
176	95.00 - 101.00% of mass 174	79.96 (96.63)
177	5.00 - 9.00% of mass 176	5.70 (7.13)

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7564.b\N3536.D\N-8260.rslt\spectra.d
Injection Date: 16-Nov-2011 08:15:30
Spectrum: Tune Spec:Scan 249(3.39) Bgrd 241(3.35)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 45

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.20	612	56.00	1033	75.00	43176	104.00	469
37.10	3634	57.00	2237	76.00	3675	116.90	499
38.10	2777	60.10	654	77.10	690	118.90	553
39.10	1148	61.00	3592	78.90	1592	140.90	656
40.10	274	62.10	3344	80.90	1502	142.90	753
44.00	410	63.00	2423	87.00	4307	173.90	78616
45.10	766	68.00	7211	88.00	3984	175.00	5847
47.10	1250	69.00	7843	92.00	2207	175.90	75968
48.10	603	70.10	593	93.10	3380	176.90	5413
49.10	2755	72.00	511	94.10	10474		
50.10	14990	73.00	3600	95.00	95008		
51.10	4676	74.10	13011	96.00	6327		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7595.b\N3567.D
Lims ID: BFB Client ID:
Inject. Date: 16-Nov-2011 20:31:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.: 480-0007595-001
Operator: CDC Instrument ID: HP5973N
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 40801 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973N\20111116-7595.b\N-8260.m
Last Update: 16-Nov-2011 20:38:57 Calib Date: 19-Oct-2011 15:41:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973N\20111019-6796.b\N2257.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Process Host: CORP-CTX-19

First Level Reviewer: cwiklinc

Date: 16-Nov-2011 20:38:57

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
\$ 4 BFB	95	3.327	3.327	0.0	91	223442	0	

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7595.b\N3567.D

Injection Date: 16-Nov-2011 20:31:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 40801

Lims Sample ID: 1

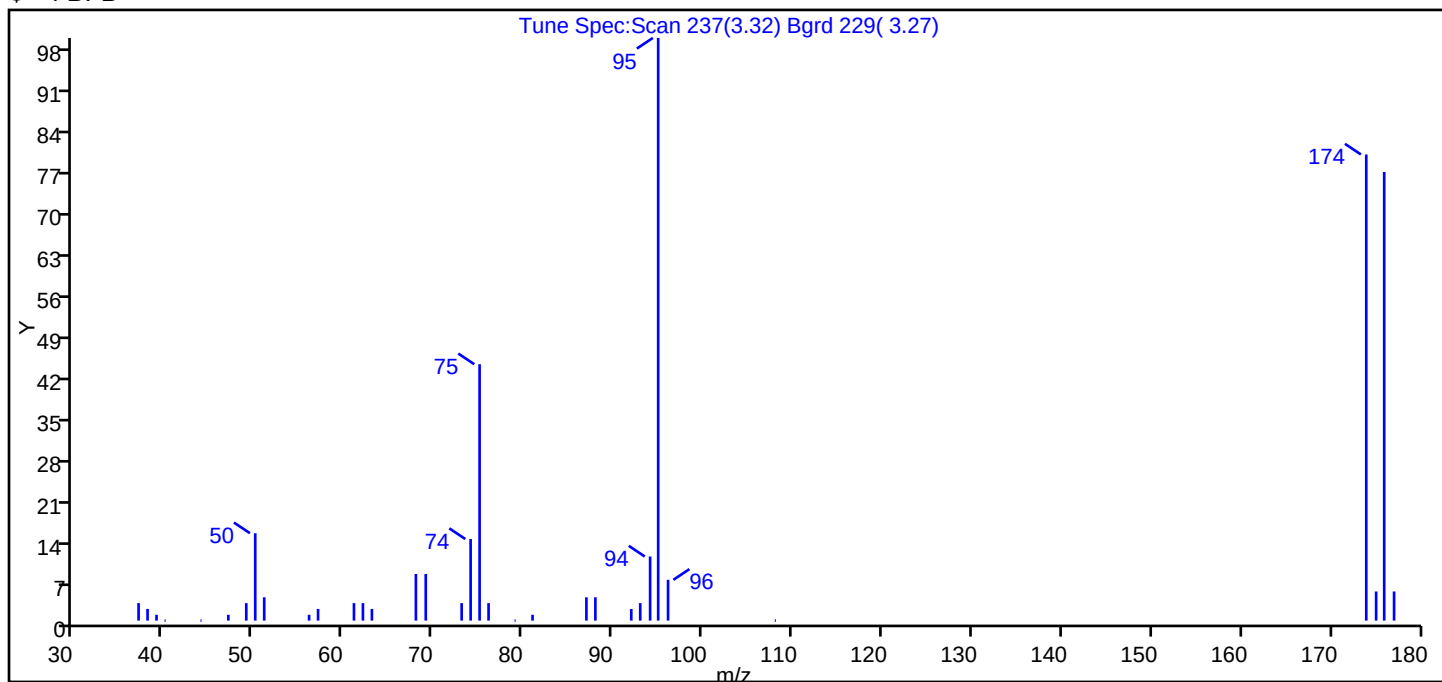
Operator ID: CDC

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	15.00
75	30.00 - 60.00% of mass 95	44.00
96	5.00 - 9.00% of mass 95	7.00
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	80.00
175	5.00 - 9.00% of mass 174	5.00 (6.25)
176	95.00 - 101.00% of mass 174	77.00 (96.25)
177	5.00 - 9.00% of mass 176	5.00 (6.49)

Data File: \\Bufchrom\ChromData\HP5973N\201111116-7595.b\N3567.D\N-8260.rslt\spectra.d

Injection Date: 16-Nov-2011 20:31:30

Spectrum: Tune Spec:Scan 237(3.32) Bgrd 229(3.27)

Base Peak: 95.00

Minimum % Base Peak: 0

Number of Points: 34

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.10	3	56.10	1	75.10	44	95.00	100
38.10	2	57.10	2	76.10	3	96.10	7
39.10	1	61.10	3	79.00	0	108.00	0
40.00	0	62.10	3	81.00	1	173.90	80
44.00	0	63.10	2	87.00	4	175.00	5
47.10	1	68.00	8	88.00	4	175.90	77
49.10	3	69.10	8	92.00	2	177.00	5
50.10	15	73.10	3	93.00	3		
51.10	4	74.10	14	94.10	11		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-40606/5
 Matrix: Water Lab File ID: N3540.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 11/16/2011 10:01
 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.: 40606 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		66-137
2037-26-5	Toluene-d8 (Surr)	105		71-126
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7564.b\N3540.D
 Lims ID: MB Client ID:
 Inject. Date: 16-Nov-2011 10:01:30 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: MB
 Misc. Info.: 480-0007564-005
 Operator: LH Instrument ID: HP5973N
 Vol. Injected: 1.0000 ALS Bottle#: 27
 Lims Batch ID: 40606 Lims Sample ID: 5
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20111116-7564.b\N-8260.m
 Last Update: 16-Nov-2011 10:19:58 Calib Date: 19-Oct-2011 15:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20111019-6796.b\N2257.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: HillL

Date: 16-Nov-2011 10:19:58

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	89	673364	25.0	
* 2 Chlorobenzene-d5	117	7.414	7.414	0.0	82	580177	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.878	9.878	0.0	93	295322	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.226	4.226	0.0	0	192274	21.9	
\$ 6 Toluene-d8 (Surr)	98	5.972	5.966	0.006	82	771472	26.3	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.661	8.661	0.0	91	227610	24.6	
11 Dichlorodifluoromethane	85		1.002					
12 Chlorodifluoromethane	51		1.008					
13 Chloromethane	50		1.087					
14 Vinyl chloride	62		1.166					
15 Bromomethane	94		1.367					
16 Chloroethane	64		1.422					
17 Dichlorofluoromethane	67		1.592					
18 Trichlorofluoromethane	101		1.610					
19 Ethyl ether	59		1.781					
81 Propene oxide	58		1.860					
20 Acrolein	56		1.933					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		1.994					
22 1,1-Dichloroethene	96		1.994					
23 Acetone	43		2.061					
24 Iodomethane	142		2.115					
25 Carbon disulfide	76		2.164					
26 Isopropyl alcohol	45		2.225					
27 3-Chloro-1-propene	41		2.267					
28 Methyl acetate	43		2.316					
29 Acetonitrile	40		2.353					
30 Methylene Chloride	84		2.420					
31 2-Methyl-2-propanol	59		2.566					
32 Methyl tert-butyl ether	73		2.602					
33 trans-1,2-Dichloroethene	96		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		2.791					
36 1,1-Dichloroethane	63		2.979					
37 Isopropyl ether	45		3.010					
38 2-Chloro-1,3-butadiene	53		3.034					
39 Vinyl acetate	43		3.040					
40 1,1-Dimethoxyethane	75		3.077					
41 Tert-butyl ethyl ether	59		3.332					
42 2,2-Dichloropropane	77		3.478					
43 cis-1,2-Dichloroethene	96		3.496					
44 2-Butanone (MEK)	43		3.539					
45 Ethyl acetate	43		3.581					
46 Propionitrile	54		3.618					
47 Chlorobromomethane	128		3.715					
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		4.038					
54 1,1-Dichloropropene	75		4.044					
55 Benzene	78		4.232					
56 Isobutyl alcohol	43		4.293					
57 1,2-Dichloroethane	62		4.293					
58 Tert-amyl methyl ether	73		4.330					
59 n-Heptane	43		4.439					
60 Trichloroethene	95		4.829					
61 n-Butanol	56		4.902					
62 Methylcyclohexane	83		4.950					
63 1,2-Dichloropropane	63		5.054					
64 Dibromomethane	93		5.181					
65 Methyl methacrylate	41		5.188					
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		6.033					
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		7.457					
87 4-Chlorobenzotrifluoride	180		7.518					

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		8.083					
92 Styrene	104		8.120					
93 Bromoform	173		8.339					
94 2-Chlorobenzotrifluoride	180		8.406					
95 Isopropylbenzene	105		8.479					
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		9.081					
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		9.902					
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	117		0.000					1
T 129 tert-amyl alcohol TIC	1		0.000					1
T 127 Ethanol TIC	1		0.000					1
T 10 Ethylene oxide	1		0.000					1

QC Flag Legend

Processing Flags

1 - Missing Peaks

7 - Failed Limit of Detection

Report Date: 16-Nov-2011 10:19:58

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7564.b\N3540.D

Injection Date: 16-Nov-2011 10:01:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 40606

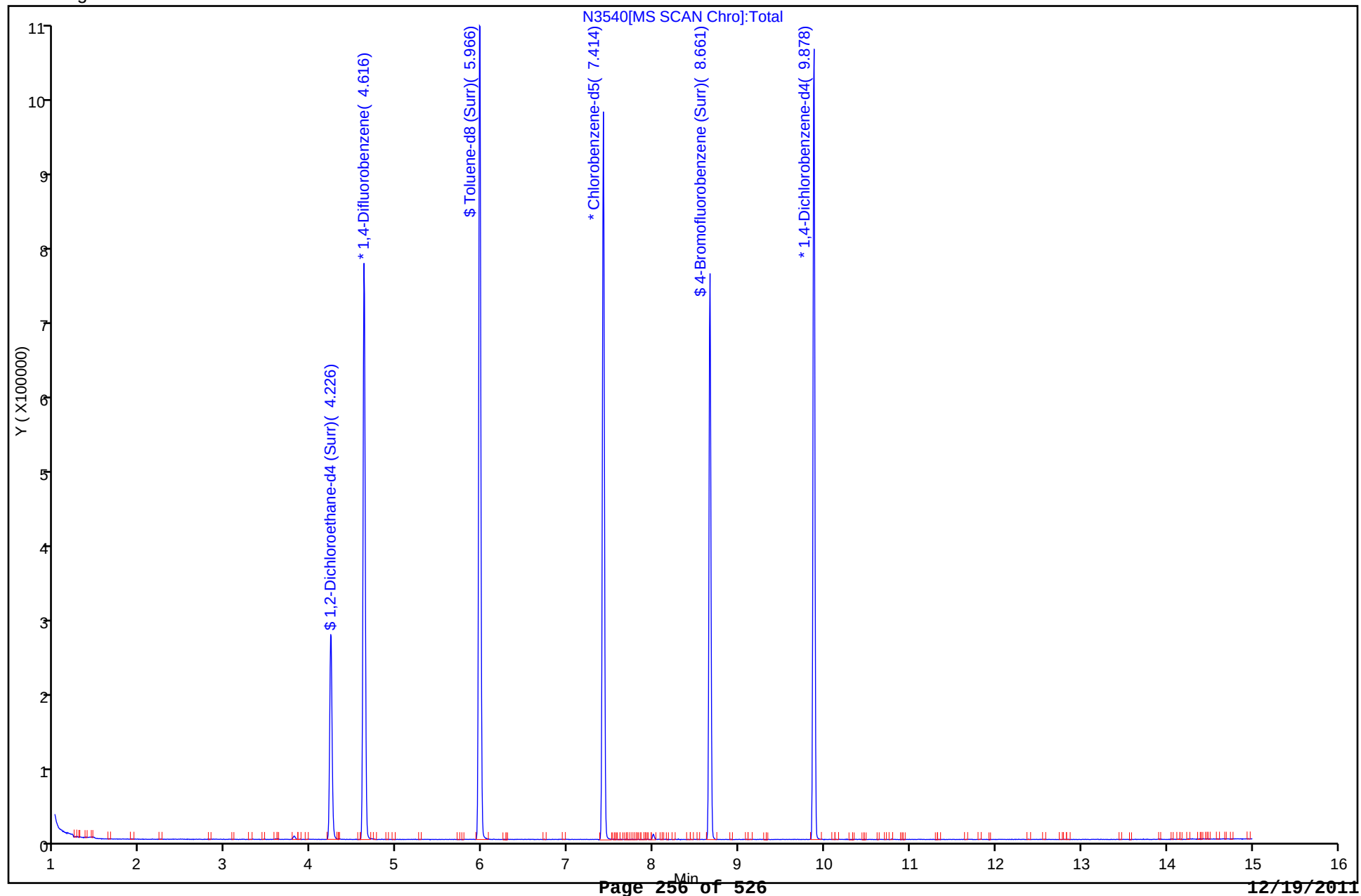
Lims Sample ID: 5

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-40801/5
 Matrix: Water Lab File ID: N3571.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 11/16/2011 22:11
 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.: 40801 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)	87		66-137
2037-26-5	Toluene-d8 (Surr)	107		71-126
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7595.b\N3571.D
 Lims ID: MB Client ID:
 Inject. Date: 16-Nov-2011 22:11:30 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: MB
 Misc. Info.: 480-0007595-005
 Operator: CDC Instrument ID: HP5973N
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 40801 Lims Sample ID: 5
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20111116-7595.b\N-8260.m
 Last Update: 16-Nov-2011 22:29:22 Calib Date: 19-Oct-2011 15:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20111019-6796.b\N2257.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: cwiklinc

Date: 16-Nov-2011 22:29:22

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.585	4.585	0.0	90	650042	25.0	
* 2 Chlorobenzene-d5	117	7.384	7.384	0.0	82	556657	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.848	9.847	0.001	92	282679	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.196	4.196	0.0	0	184966	21.8	
\$ 6 Toluene-d8 (Surr)	98	5.936	5.936	0.0	82	753018	26.8	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.631	8.631	0.0	92	221355	25.0	
11 Dichlorodifluoromethane	85		0.990					
12 Chlorodifluoromethane	51		0.996					
13 Chloromethane	50		1.081					
14 Vinyl chloride	62		1.154					
15 Bromomethane	94		1.355					
16 Chloroethane	64		1.403					
17 Dichlorofluoromethane	67		1.568					
18 Trichlorofluoromethane	101		1.598					
19 Ethyl ether	59		1.763					
81 Propene oxide	58		1.842					
20 Acrolein	56		1.908					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		1.975					
22 1,1-Dichloroethene	96		1.975					
23 Acetone	43		2.042					
24 Iodomethane	142		2.091					
25 Carbon disulfide	76		2.140					
26 Isopropyl alcohol	45		2.194					
27 3-Chloro-1-propene	41		2.249					
28 Methyl acetate	43		2.298					
29 Acetonitrile	40		2.334					
30 Methylene Chloride	84		2.395					
31 2-Methyl-2-propanol	59		2.535					
33 trans-1,2-Dichloroethene	96		2.584					
32 Methyl tert-butyl ether	73		2.584					
34 Acrylonitrile	53		2.620					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
35 Hexane	57		2.760					
36 1,1-Dichloroethane	63		2.955					
37 Isopropyl ether	45		2.985					
38 2-Chloro-1,3-butadiene	53		3.004					
39 Vinyl acetate	43		3.016					
40 1,1-Dimethoxyethane	75		3.046					
41 Tert-butyl ethyl ether	59		3.302					
42 2,2-Dichloropropane	77		3.454					
43 cis-1,2-Dichloroethene	96		3.466					
44 2-Butanone (MEK)	43		3.508					
45 Ethyl acetate	43		3.557					
46 Propionitrile	54		3.588					
47 Chlorobromomethane	128		3.685					
48 Methacrylonitrile	41		3.697					
49 Tetrahydrofuran	42		3.715					
50 Chloroform	83		3.770					
51 1,1,1-Trichloroethane	97		3.873					
52 Cyclohexane	56		3.892					
53 Carbon tetrachloride	117		4.007					
54 1,1-Dichloropropene	75		4.013					
55 Benzene	78		4.202					
56 Isobutyl alcohol	43		4.263					
57 1,2-Dichloroethane	62		4.269					
58 Tert-amyl methyl ether	73		4.305					
59 n-Heptane	43		4.409					
60 Trichloroethene	95		4.798					
61 n-Butanol	56		4.877					
62 Methylcyclohexane	83		4.920					
63 1,2-Dichloropropane	63		5.023					
64 Dibromomethane	93		5.151					
65 Methyl methacrylate	41		5.157					
66 1,4-Dioxane	88		5.182					
67 Dichlorobromomethane	83		5.315					
68 2-Nitropropane	43		5.553					
69 2-Chloroethyl vinyl ether	63		5.607					
70 Epichlorohydrin	57		5.680					
71 cis-1,3-Dichloropropene	75		5.723					
72 4-Methyl-2-pentanone (MIBK)	43		5.881					
73 Toluene	92		6.003					
74 2-Methylthiophene	97		6.131					
75 trans-1,3-Dichloropropene	75		6.289					
76 3-Methylthiophene	97		6.289					
77 Ethyl methacrylate	69		6.368					
78 1,1,2-Trichloroethane	83		6.465					
79 Tetrachloroethene	166		6.520					
80 1,3-Dichloropropane	76		6.617					
82 2-Hexanone	43		6.714					
83 Chlorodibromomethane	129		6.842					
84 Ethylene Dibromide	107		6.927					
85 Chlorobenzene	112		7.408					
86 3-Chlorobenzotrifluoride	180		7.426					
87 4-Chlorobenzotrifluoride	180		7.487					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
89 1,1,1,2-Tetrachloroethane	131		7.517					
88 Ethylbenzene	91		7.517					
90 m-Xylene & p-Xylene	106		7.639					
91 o-Xylene	106		8.053					
92 Styrene	104		8.083					
93 Bromoform	173		8.308					
94 2-Chlorobenzotrifluoride	180		8.375					
95 Isopropylbenzene	105		8.442					
96 Cyclohexanone	55		8.588					
97 Bromobenzene	156		8.765					
98 1,1,2,2-Tetrachloroethane	83		8.862					
99 1,2,3-Trichloropropane	110		8.880					
100 N-Propylbenzene	91		8.886					
101 trans-1,4-Dichloro-2-butene	53		8.911					
102 2-Chlorotoluene	126		8.971					
103 3-Chlorotoluene	126		9.045					
104 1,3,5-Trimethylbenzene	105		9.087					
105 4-Chlorotoluene	91		9.093					
106 tert-Butylbenzene	134		9.422					
107 Pentachloroethane	167		9.470					
108 1,2,4-Trimethylbenzene	105		9.482					
109 sec-Butylbenzene	105		9.653					
110 1,3-Dichlorobenzene	146		9.774					
111 4-Isopropyltoluene	119		9.811					
112 Dicyclopentadiene	66		9.842					
113 1,4-Dichlorobenzene	146		9.872					
114 1,2,3-Trimethylbenzene	105		9.915					
115 n-Butylbenzene	91		10.225					
116 1,2-Dichlorobenzene	146		10.237					
117 1,2-Dibromo-3-Chloropropane	75		10.997					
118 1,3,5-Trichlorobenzene	180		11.150					
119 1,2,4-Trichlorobenzene	180		11.697					
120 Hexachlorobutadiene	225		11.831					
121 Naphthalene	128		11.904					
122 1,2,3-Trichlorobenzene	180		12.117					
S 125 Total BTEX	1		30.000					7
S 126 Xylenes, Total	1		30.000					7
S 123 1,3-Dichloropropene, Total	1		30.000					7
S 124 1,2-Dichloroethene, Total	1		30.000					7
T 129 tert-amyl alcohol TIC	1		0.000					1
T 127 Ethanol TIC	1		0.000					1
T 10 Ethylene oxide	1		0.000					1
T 9 bis(2-chloromethyl)ether TIC	1		0.000					1
T 8 t-Amyl alcohol	59		0.000					1
T 128 Hexachloroethane TIC	117		0.000					1

QC Flag Legend

Processing Flags

1 - Missing Peaks

7 - Failed Limit of Detection

Report Date: 16-Nov-2011 22:29:22

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7595.b\N3571.D

Injection Date: 16-Nov-2011 22:11:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 40801

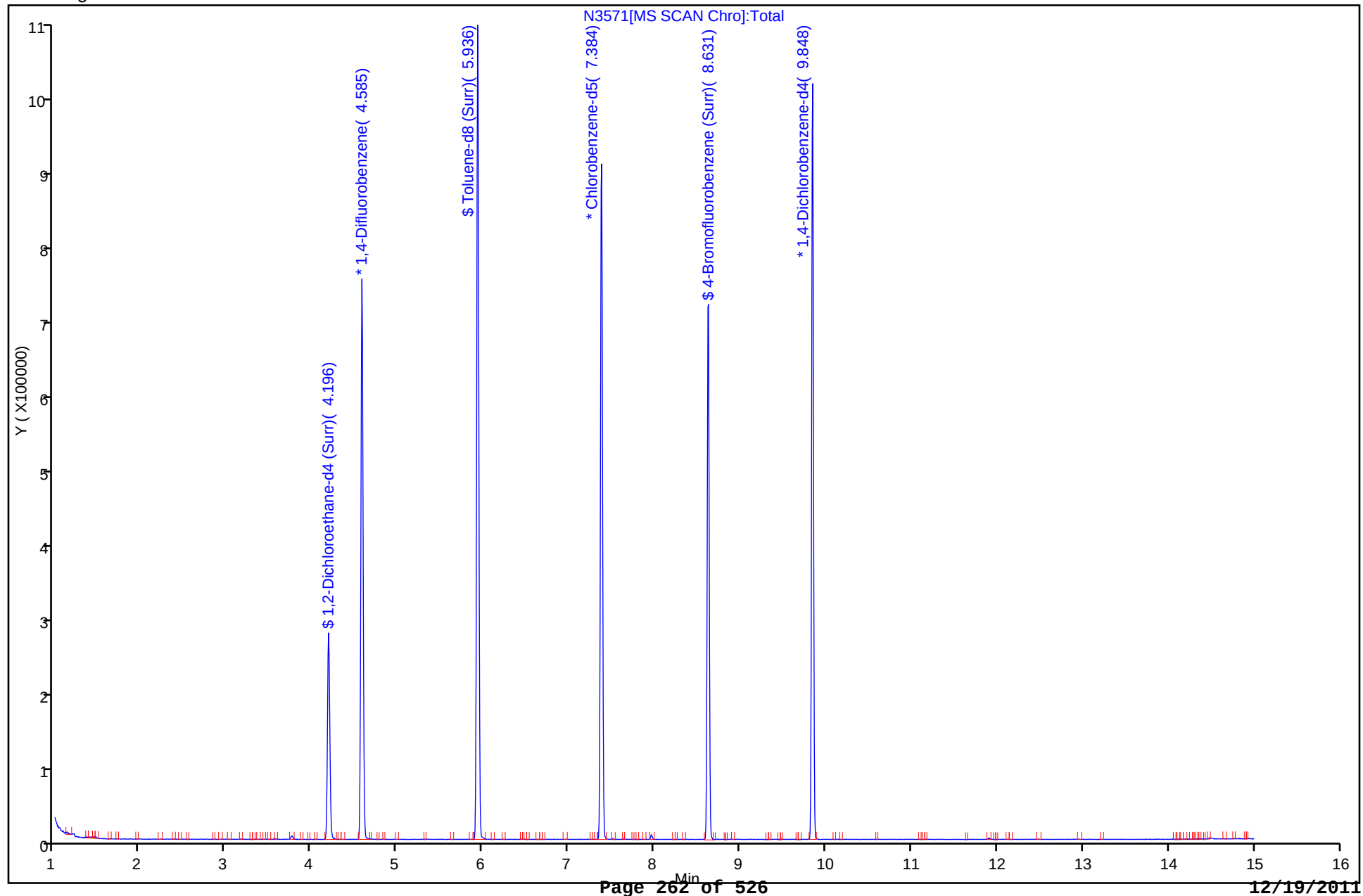
Lims Sample ID: 5

Operator ID: CDC

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.: 480-12393-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-40867/5
 Matrix: Water Lab File ID: C15613.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 11/17/2011 11:34
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (30) ID: 0.53(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 40867 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)	92		66-137
2037-26-5	Toluene-d8 (Surr)	101		71-126
460-00-4	4-Bromofluorobenzene (Surr)	106		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973C\20111117-7606.b\C15613.D
 Lims ID: MB Client ID:
 Inject. Date: 17-Nov-2011 11:34:30 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: MB
 Misc. Info.: 480-0007606-005
 Operator: LH Instrument ID: HP5973C
 Vol. Injected: 1.0000 ALS Bottle#: 27
 Lims Batch ID: 40867 Lims Sample ID: 5
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973C\20111117-7606.b\C-8260.m
 Last Update: 17-Nov-2011 12:37:26 Calib Date: 04-Nov-2011 20:26:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973C\20111104-7267.b\C15113.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: HillL

Date: 17-Nov-2011 12:37:26

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	9.455	9.455	-0.001	94	425448	25.0	
* 2 Chlorobenzene-d5	82	11.826	11.826	0.0	85	220125	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.854	13.854	0.0	94	224090	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	9.194	9.194	0.0	0	80535	23.0	
\$ 5 Toluene-d8 (Surr)	98	10.652	10.652	0.0	92	490532	25.3	
\$ 6 4-Bromofluorobenzene (Surr)	174	12.775	12.775	0.0	88	160881	26.6	
10 Dichlorodifluoromethane	85		4.474					
11 Chlorodifluoromethane	51		4.510					
12 Chloromethane	50		4.889					
13 Vinyl chloride	62		5.114					
14 Bromomethane	94		5.731					
15 Chloroethane	64		5.873					
16 Dichlorofluoromethane	67		6.146					
17 Trichlorofluoromethane	101		6.217					
18 Ethyl ether	59		6.526					
19 Propene oxide	58		6.668					
20 Acrolein	56		6.751					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		6.798					
22 1,1-Dichloroethene	96		6.858					
23 Acetone	43		6.905					
24 Isopropyl alcohol	45		7.012					
25 Iodomethane	142		7.095					
26 Carbon disulfide	76		7.178					
27 Methyl acetate	43		7.202					
28 3-Chloro-1-propene	41		7.237					
29 Acetonitrile	40		7.237					
30 Methylene Chloride	84		7.379					
31 2-Methyl-2-propanol	59		7.391					
32 Methyl tert-butyl ether	73		7.557					
33 Acrylonitrile	53		7.605					
34 trans-1,2-Dichloroethene	96		7.617					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
35 Hexane	57		7.771					
36 Isopropyl ether	45		7.925					
37 Vinyl acetate	43		7.960					
38 1,1-Dimethoxyethane	75		8.020					
39 1,1-Dichloroethane	63		8.020					
40 2-Chloro-1,3-butadiene	53		8.067					
41 Tert-butyl ethyl ether	59		8.245					
42 Ethyl acetate	43		8.447					
43 2-Butanone (MEK)	43		8.470					
44 2,2-Dichloropropane	77		8.506					
45 cis-1,2-Dichloroethene	96		8.518					
46 Propionitrile	54		8.565					
47 Methacrylonitrile	41		8.684					
48 Chlorobromomethane	128		8.731					
49 Tetrahydrofuran	42		8.743					
50 Chloroform	83		8.755					
51 1,1,1-Trichloroethane	97		8.933					
52 Cyclohexane	56		8.980					
53 Isobutyl alcohol	43		9.004					
54 1,1-Dichloropropene	75		9.040					
55 Carbon tetrachloride	117		9.063					
56 Tert-amyl methyl ether	73		9.194					
57 Benzene	78		9.241					
58 1,2-Dichloroethane	62		9.253					
59 n-Heptane	43		9.265					
60 n-Butanol	56		9.514					
62 Trichloroethene	95		9.716					
63 Methyl methacrylate	41		9.834					
64 Methylcyclohexane	83		9.858					
65 1,2-Dichloropropane	63		9.917					
66 1,4-Dioxane	88		10.000					
67 Dibromomethane	93		10.048					
68 Dichlorobromomethane	83		10.119					
69 2-Chloroethyl vinyl ether	63		10.237					
70 2-Nitropropane	43		10.273					
71 Epichlorohydrin	57		10.368					
72 cis-1,3-Dichloropropene	75		10.427					
73 4-Methyl-2-pentanone (MIBK)	43		10.474					
74 Toluene	92		10.700					
75 Ethyl methacrylate	69		10.771					
76 2-Methylthiophene	97		10.830					
77 trans-1,3-Dichloropropene	75		10.842					
78 3-Methylthiophene	97		10.949					
79 1,1,2-Trichloroethane	83		11.020					
80 2-Hexanone	43		11.103					
81 Tetrachloroethene	166		11.150					
82 1,3-Dichloropropane	76		11.162					
83 Chlorodibromomethane	129		11.388					
84 Ethylene Dibromide	107		11.518					
85 3-Chlorobenzotrifluoride	180		11.672					
86 4-Chlorobenzotrifluoride	180		11.720					
87 Chlorobenzene	112		11.862					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
88 Ethylbenzene	91		11.862					
89 1,1,1,2-Tetrachloroethane	131		11.897					
90 m-Xylene & p-Xylene	106		11.945					
92 Styrene	104		12.301					
91 o-Xylene	106		12.301					
93 2-Chlorobenzotrifluoride	180		12.467					
94 Isopropylbenzene	105		12.562					
95 Bromoform	173		12.585					
96 Cyclohexanone	55		12.775					
97 1,1,2,2-Tetrachloroethane	83		12.858					
98 trans-1,4-Dichloro-2-butene	53		12.882					
99 N-Propylbenzene	91		12.917					
100 1,2,3-Trichloropropane	110		12.929					
101 Bromobenzene	156		12.977					
102 1,3,5-Trimethylbenzene	105		13.036					
103 2-Chlorotoluene	126		13.083					
104 3-Chlorotoluene	126		13.131					
105 4-Chlorotoluene	126		13.166					
106 tert-Butylbenzene	134		13.368					
107 1,2,4-Trimethylbenzene	105		13.404					
108 Pentachloroethane	167		13.486					
109 sec-Butylbenzene	105		13.570					
110 4-Isopropyltoluene	119		13.664					
111 1,3-Dichlorobenzene	146		13.795					
112 1,2,3-Trimethylbenzene	105		13.854					
113 1,4-Dichlorobenzene	146		13.878					
114 Dicyclopentadiene	66		13.913					
115 n-Butylbenzene	91		14.079					
116 1,2-Dichlorobenzene	146		14.293					
117 1,2-Dibromo-3-Chloropropane	75		15.182					
118 1,3,5-Trichlorobenzene	180		15.372					
119 1,2,4-Trichlorobenzene	180		16.238					
120 Hexachlorobutadiene	225		16.344					
121 Naphthalene	128		16.665					
122 1,2,3-Trichlorobenzene	180		17.044					
S 123 Total BTEX	1		30.000					7
S 124 Xylenes, Total	1		30.000					7
S 125 1,2-Dichloroethene, Total	1		30.000					7
S 126 1,3-Dichloropropene, Total	1		30.000					7
T 127 Ethanol TIC	45		0.000					1
T 128 Hexachloroethane TIC	117		0.000					1
T 9 bis(2-chloromethyl)ether TIC	1		0.000					1
T 8 t-Amyl alcohol	59		0.000					1
T 7 Ethylene oxide	1		0.000					1

QC Flag Legend

Processing Flags

1 - Missing Peaks

7 - Failed Limit of Detection

Report Date: 17-Nov-2011 12:37:26

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973C\20111117-7606.b\C15613.D

Injection Date: 17-Nov-2011 11:34:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973C

Lims Batch ID: 40867

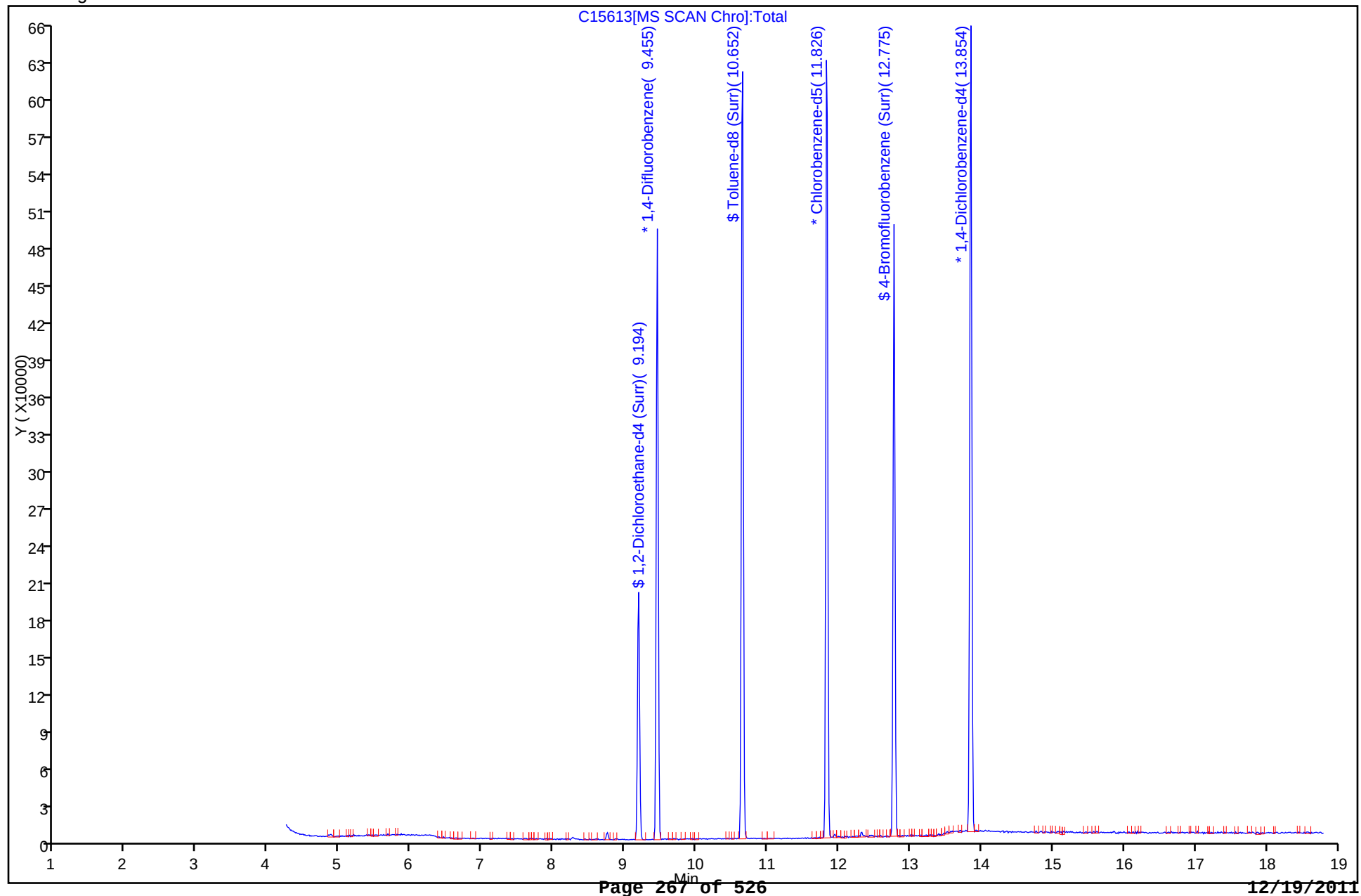
Lims Sample ID: 5

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-40985/5
 Matrix: Water Lab File ID: C15641.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 11/18/2011 00:24
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (30) ID: 0.53(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 40985 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)	89		66-137
2037-26-5	Toluene-d8 (Surr)	104		71-126
460-00-4	4-Bromofluorobenzene (Surr)	109		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973C\20111117-7630.b\C15641.D
 Lims ID: MB Client ID:
 Inject. Date: 18-Nov-2011 00:24:30 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: MB
 Misc. Info.: 480-0007630-005
 Operator: CDC Instrument ID: HP5973C
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 40985 Lims Sample ID: 5
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973C\20111117-7630.b\C-8260.m
 Last Update: 18-Nov-2011 00:48:12 Calib Date: 04-Nov-2011 20:26:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973C\20111104-7267.b\C15113.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: jonesr

Date: 18-Nov-2011 00:48:12

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	9.455	9.454	0.001	94	447082	25.0	
* 2 Chlorobenzene-d5	82	11.826	11.826	0.0	85	224891	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.854	13.854	0.0	94	231533	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	9.194	9.182	0.012	0	81780	22.2	
\$ 5 Toluene-d8 (Surr)	98	10.652	10.652	0.0	92	514116	25.9	
\$ 6 4-Bromofluorobenzene (Surr)	174	12.775	12.775	0.0	88	168742	27.3	
10 Dichlorodifluoromethane	85		4.486					
11 Chlorodifluoromethane	51		4.509					
12 Chloromethane	50		4.889					
13 Vinyl chloride	62		5.126					
14 Bromomethane	94		5.743					
15 Chloroethane	64		5.885					
16 Dichlorofluoromethane	67		6.146					
17 Trichlorofluoromethane	101		6.229					
18 Ethyl ether	59		6.525					
19 Propene oxide	58		6.656					
20 Acrolein	56		6.751					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		6.810					
22 1,1-Dichloroethene	96		6.869					
23 Acetone	43		6.905					
24 Isopropyl alcohol	45		7.000					
25 Iodomethane	142		7.095					
26 Carbon disulfide	76		7.190					
27 Methyl acetate	43		7.201					
28 3-Chloro-1-propene	41		7.237					
29 Acetonitrile	40		7.237					
30 Methylene Chloride	84		7.379					
31 2-Methyl-2-propanol	59		7.391					
32 Methyl tert-butyl ether	73		7.557					
33 Acrylonitrile	53		7.605					
34 trans-1,2-Dichloroethene	96		7.628					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
35 Hexane	57		7.771					
36 Isopropyl ether	45		7.925					
37 Vinyl acetate	43		7.960					
38 1,1-Dimethoxyethane	75		8.008					
39 1,1-Dichloroethane	63		8.020					
40 2-Chloro-1,3-butadiene	53		8.067					
41 Tert-butyl ethyl ether	59		8.245					
42 Ethyl acetate	43		8.435					
43 2-Butanone (MEK)	43		8.470					
44 2,2-Dichloropropane	77		8.506					
45 cis-1,2-Dichloroethene	96		8.518					
46 Propionitrile	54		8.565					
47 Methacrylonitrile	41		8.672					
48 Chlorobromomethane	128		8.743					
49 Tetrahydrofuran	42		8.743					
50 Chloroform	83		8.755					
51 1,1,1-Trichloroethane	97		8.933					
52 Cyclohexane	56		8.980					
53 Isobutyl alcohol	43		9.004					
54 1,1-Dichloropropene	75		9.040					
55 Carbon tetrachloride	117		9.075					
56 Tert-amyl methyl ether	73		9.194					
57 Benzene	78		9.241					
58 1,2-Dichloroethane	62		9.253					
59 n-Heptane	43		9.265					
60 n-Butanol	56		9.502					
62 Trichloroethene	95		9.715					
63 Methyl methacrylate	41		9.834					
64 Methylcyclohexane	83		9.858					
65 1,2-Dichloropropane	63		9.917					
66 1,4-Dioxane	88		9.976					
67 Dibromomethane	93		10.047					
68 Dichlorobromomethane	83		10.119					
69 2-Chloroethyl vinyl ether	63		10.237					
70 2-Nitropropane	43		10.273					
71 Epichlorohydrin	57		10.368					
72 cis-1,3-Dichloropropene	75		10.427					
73 4-Methyl-2-pentanone (MIBK)	43		10.474					
74 Toluene	92		10.700					
75 Ethyl methacrylate	69		10.771					
76 2-Methylthiophene	97		10.830					
77 trans-1,3-Dichloropropene	75		10.842					
78 3-Methylthiophene	97		10.949					
79 1,1,2-Trichloroethane	83		11.020					
80 2-Hexanone	43		11.103					
81 Tetrachloroethene	166		11.150					
82 1,3-Dichloropropane	76		11.162					
83 Chlorodibromomethane	129		11.388					
84 Ethylene Dibromide	107		11.518					
85 3-Chlorobenzotrifluoride	180		11.672					
86 4-Chlorobenzotrifluoride	180		11.719					
87 Chlorobenzene	112		11.862					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
88 Ethylbenzene	91		11.862					
89 1,1,1,2-Tetrachloroethane	131		11.897					
90 m-Xylene & p-Xylene	106		11.945					
92 Styrene	104		12.301					
91 o-Xylene	106		12.301					
93 2-Chlorobenzotrifluoride	180		12.467					
94 Isopropylbenzene	105		12.561					
95 Bromoform	173		12.585					
96 Cyclohexanone	55		12.775					
97 1,1,2,2-Tetrachloroethane	83		12.858					
98 trans-1,4-Dichloro-2-butene	53		12.882					
99 N-Propylbenzene	91		12.917					
100 1,2,3-Trichloropropane	110		12.929					
101 Bromobenzene	156		12.977					
102 1,3,5-Trimethylbenzene	105		13.036					
103 2-Chlorotoluene	126		13.083					
104 3-Chlorotoluene	126		13.131					
105 4-Chlorotoluene	126		13.166					
106 tert-Butylbenzene	134		13.368					
107 1,2,4-Trimethylbenzene	105		13.403					
108 Pentachloroethane	167		13.486					
109 sec-Butylbenzene	105		13.569					
110 4-Isopropyltoluene	119		13.664					
111 1,3-Dichlorobenzene	146		13.795					
112 1,2,3-Trimethylbenzene	105		13.854					
113 1,4-Dichlorobenzene	146		13.878					
114 Dicyclopentadiene	66		13.913					
115 n-Butylbenzene	91		14.079					
116 1,2-Dichlorobenzene	146		14.293					
117 1,2-Dibromo-3-Chloropropane	75		15.182					
118 1,3,5-Trichlorobenzene	180		15.372					
119 1,2,4-Trichlorobenzene	180		16.226					
120 Hexachlorobutadiene	225		16.344					
121 Naphthalene	128		16.665					
122 1,2,3-Trichlorobenzene	180		17.032					
S 125 1,2-Dichloroethene, Total	1		30.000					7
S 126 1,3-Dichloropropene, Total	1		30.000					7
S 123 Total BTEX	1		30.000					7
S 124 Xylenes, Total	1		30.000					7
T 8 t-Amyl alcohol	59		0.000					1
T 7 Ethylene oxide	1		0.000					1
T 9 bis(2-chloromethyl)ether TIC	1		0.000					1
T 127 Ethanol TIC	45		0.000					1
T 128 Hexachloroethane TIC	117		0.000					1

QC Flag Legend

Processing Flags

1 - Missing Peaks

7 - Failed Limit of Detection

Report Date: 18-Nov-2011 00:48:12

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973C\20111117-7630.b\C15641.D

Injection Date: 18-Nov-2011 00:24:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973C

Lims Batch ID: 40985

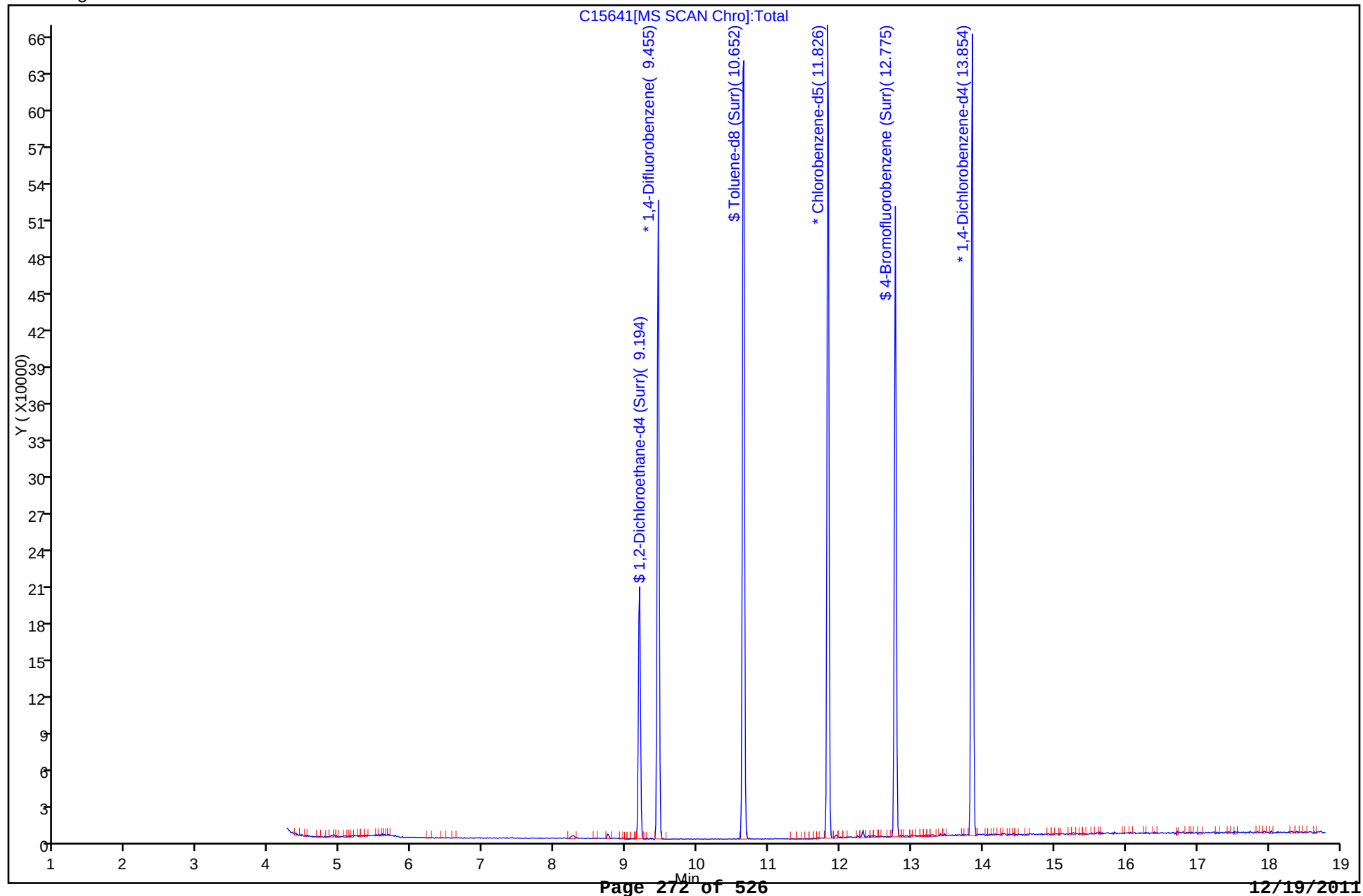
Lims Sample ID: 5

Operator ID: CDC

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.: 480-12393-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-40606/4
 Matrix: Water Lab File ID: N3539.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 11/16/2011 09:38
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 40606 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	22.4		1.0	0.41
108-88-3	Toluene	22.7		1.0	0.51
100-41-4	Ethylbenzene	22.6		1.0	0.74
179601-23-1	m-Xylene & p-Xylene	46.1		2.0	0.66
95-47-6	o-Xylene	22.6		1.0	0.76
1330-20-7	Xylenes, Total	68.7		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	85		66-137
2037-26-5	Toluene-d8 (Surr)	105		71-126
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7564.b\N3539.D
 Lims ID: LCS Client ID:
 Inject. Date: 16-Nov-2011 09:38:30 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: LCS
 Misc. Info.: 480-0007564-004
 Operator: LH Instrument ID: HP5973N
 Vol. Injected: 1.0000 ALS Bottle#: 26
 Lims Batch ID: 40606 Lims Sample ID: 4
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20111116-7564.b\N-8260.m
 Last Update: 16-Nov-2011 10:16:32 Calib Date: 19-Oct-2011 15:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20111019-6796.b\N2257.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: HillL

Date: 16-Nov-2011 10:16:32

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	90	706275	25.0	
* 2 Chlorobenzene-d5	117	7.414	7.414	0.0	83	602789	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.878	9.878	0.0	93	322513	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.226	4.226	0.0	0	195980	21.3	
\$ 6 Toluene-d8 (Surr)	98	5.966	5.966	0.0	82	796664	26.2	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.661	8.661	0.0	93	240874	25.1	
22 1,1-Dichloroethene	96	1.988	1.994	-0.006	95	140211	17.5	
32 Methyl tert-butyl ether	73	2.602	2.602	0.0	89	486030	19.5	
33 trans-1,2-Dichloroethene	96	2.608	2.608	0.0	67	178062	22.1	
36 1,1-Dichloroethane	63	2.979	2.979	0.0	96	288926	21.5	
43 cis-1,2-Dichloroethene	96	3.496	3.496	0.0	75	190008	21.8	
55 Benzene	78	4.232	4.232	0.0	96	735040	22.4	
57 1,2-Dichloroethane	62	4.293	4.293	0.0	80	204916	20.1	
60 Trichloroethene	95	4.829	4.829	0.0	94	179662	21.8	
73 Toluene	92	6.033	6.033	0.0	89	477780	22.7	
79 Tetrachloroethene	166	6.550	6.550	0.0	97	206999	23.6	
85 Chlorobenzene	112	7.445	7.445	-0.001	95	536816	23.5	
88 Ethylbenzene	91	7.548	7.548	0.0	97	883816	22.6	
90 m-Xylene & p-Xylene	106	7.670	7.676	-0.006	100	722890	46.1	
91 o-Xylene	106	8.083	8.083	0.0	95	339345	22.6	
108 1,2,4-Trimethylbenzene	105	9.513	9.513	0.0	90	703924	21.6	
116 1,2-Dichlorobenzene	146	10.267	10.267	0.0	99	412162	23.0	
S 124 1,2-Dichloroethene, Total	1				0		43.9	
S 126 Xylenes, Total	1				0		68.7	

Report Date: 16-Nov-2011 10:16:32

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7564.b\N3539.D

Injection Date: 16-Nov-2011 09:38:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 40606

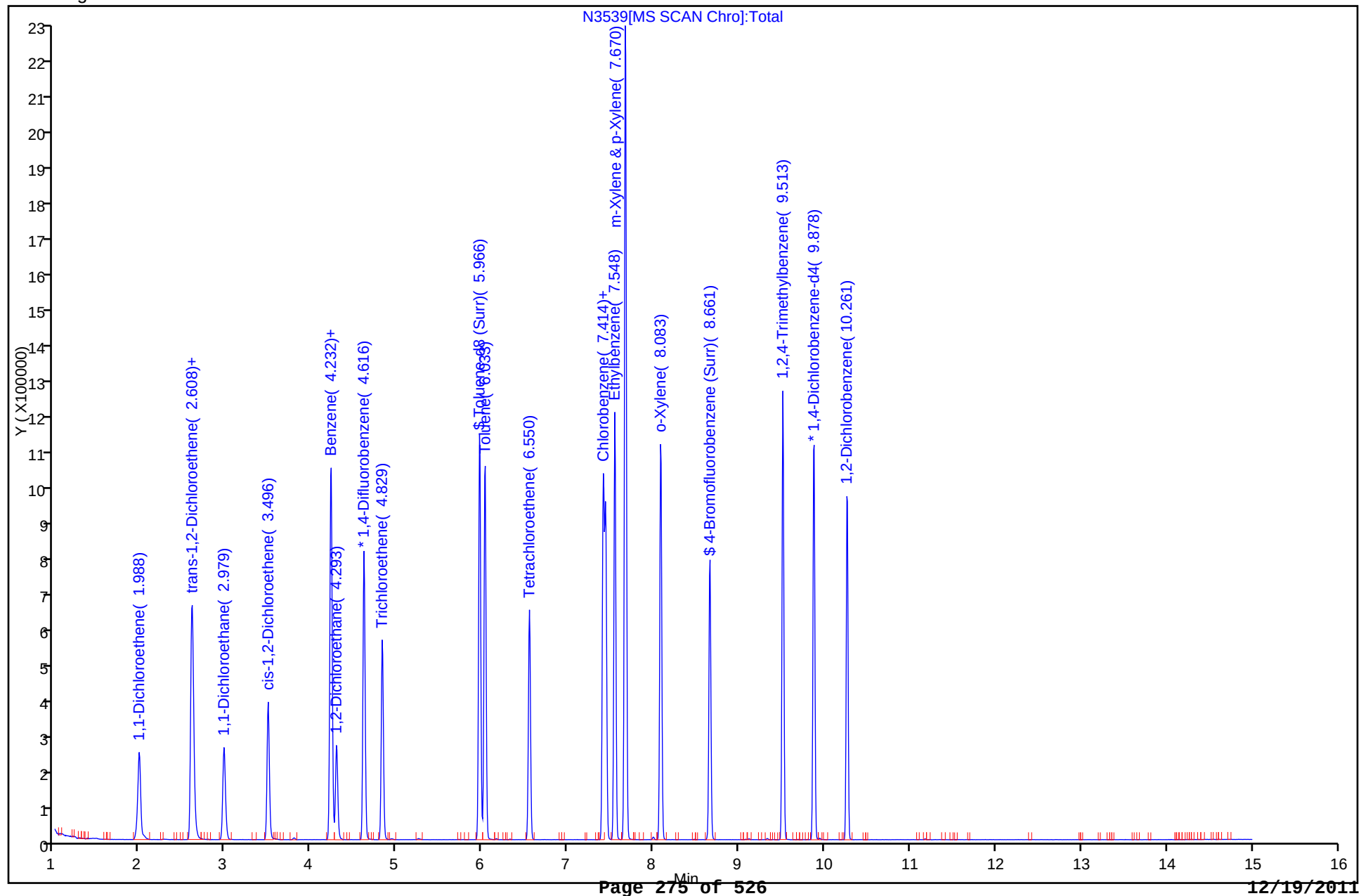
Lims Sample ID: 4

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-40801/4
 Matrix: Water Lab File ID: N3570.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 11/16/2011 21:49
 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.: 40801 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	26.2		1.0	0.51
100-41-4	Ethylbenzene	25.8		1.0	0.74
179601-23-1	m-Xylene & p-Xylene	52.2		2.0	0.66
95-47-6	o-Xylene	25.9		1.0	0.76
1330-20-7	Xylenes, Total	78.1		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)	107		71-126
460-00-4	4-Bromofluorobenzene (Surr)	103		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7595.b\N3570.D
 Lims ID: LCS Client ID:
 Inject. Date: 16-Nov-2011 21:49:30 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: LCS
 Misc. Info.: 480-0007595-004
 Operator: CDC Instrument ID: HP5973N
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 40801 Lims Sample ID: 4
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973N\20111116-7595.b\N-8260.m
 Last Update: 16-Nov-2011 22:19:01 Calib Date: 19-Oct-2011 15:41:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973N\20111019-6796.b\N2257.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: cwiklinc

Date: 16-Nov-2011 22:19:01

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.585	4.585	0.0	90	673086	25.0	
* 2 Chlorobenzene-d5	117	7.384	7.384	0.0	83	569551	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.847	9.848	-0.001	93	302245	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	4.196	4.196	0.0	0	183897	20.9	
\$ 6 Toluene-d8 (Surr)	98	5.936	5.936	0.0	82	771192	26.8	
\$ 7 4-Bromofluorobenzene (Surr)	174	8.631	8.631	0.0	93	233952	25.8	
22 1,1-Dichloroethene	96	1.969	1.975	-0.006	95	149892	19.7	
33 trans-1,2-Dichloroethene	96	2.584	2.584	0.0	66	191337	24.9	
32 Methyl tert-butyl ether	73	2.578	2.584	-0.006	88	526732	22.1	
36 1,1-Dichloroethane	63	2.955	2.955	0.0	96	317486	24.8	
43 cis-1,2-Dichloroethene	96	3.466	3.466	0.0	64	207830	25.0	
55 Benzene	78	4.202	4.202	0.0	95	799729	25.5	
57 1,2-Dichloroethane	62	4.269	4.269	0.0	79	215538	22.2	
60 Trichloroethene	95	4.798	4.798	0.0	94	194373	24.7	
73 Toluene	92	6.003	6.003	0.0	90	521065	26.2	
79 Tetrachloroethene	166	6.520	6.520	0.0	97	224398	27.0	
85 Chlorobenzene	112	7.408	7.408	0.0	95	582242	27.0	
88 Ethylbenzene	91	7.517	7.517	0.0	97	955915	25.8	
90 m-Xylene & p-Xylene	106	7.639	7.639	0.0	100	773731	52.2	
91 o-Xylene	106	8.053	8.053	0.0	95	367079	25.9	
108 1,2,4-Trimethylbenzene	105	9.482	9.482	0.0	89	755533	24.7	
116 1,2-Dichlorobenzene	146	10.237	10.237	0.0	99	435798	25.9	
S 126 Xylenes, Total	1				0		78.1	
S 124 1,2-Dichloroethene, Total	1				0		50.0	

Report Date: 16-Nov-2011 22:19:01

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973N\20111116-7595.b\N3570.D

Injection Date: 16-Nov-2011 21:49:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973N

Lims Batch ID: 40801

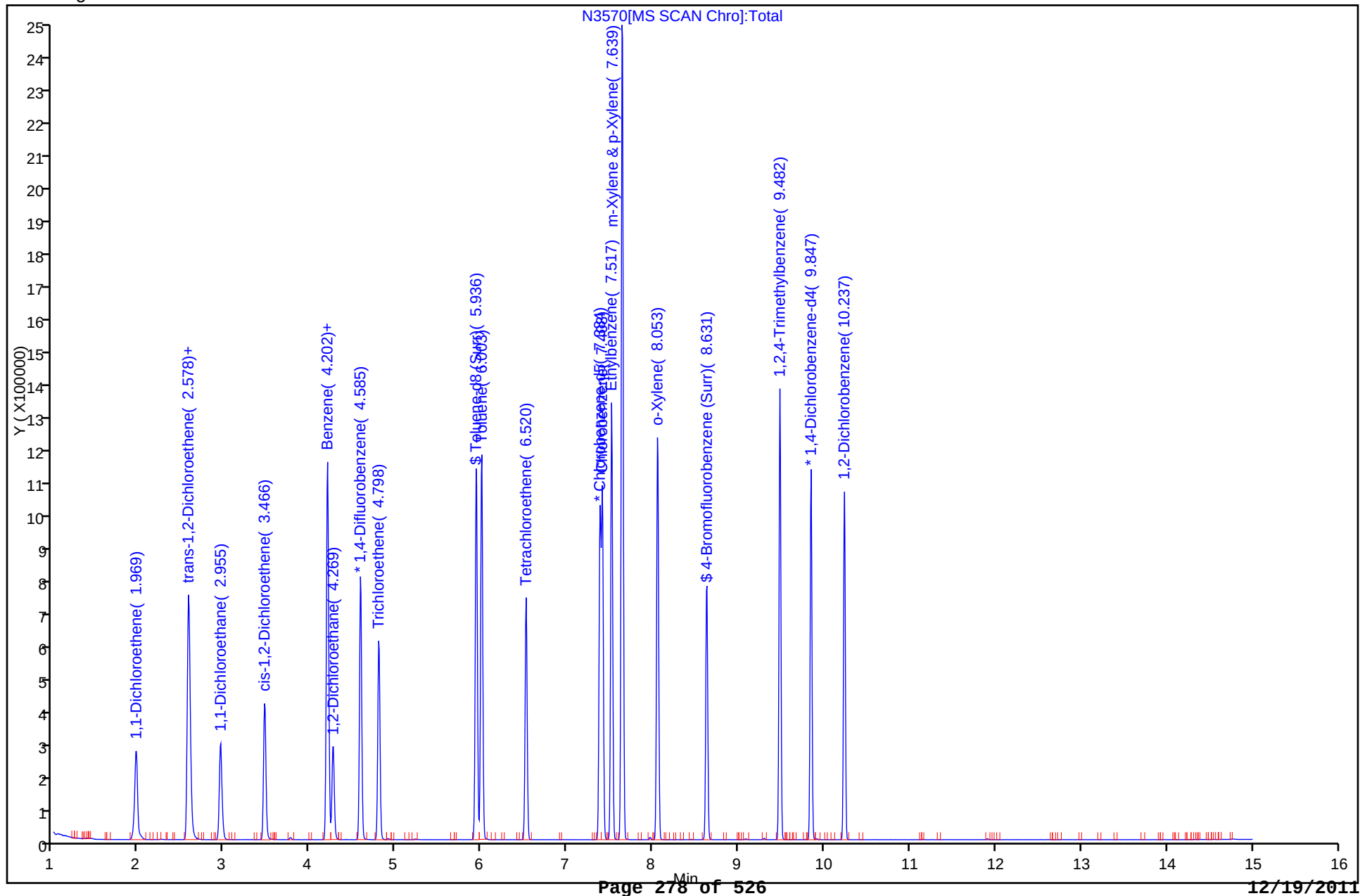
Lims Sample ID: 4

Operator ID: CDC

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.: 480-12393-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-40867/4
 Matrix: Water Lab File ID: C15614.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 11/17/2011 12:19
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (30) ID: 0.53(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 40867 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	24.9		1.0	0.41
108-88-3	Toluene	24.9		1.0	0.51
100-41-4	Ethylbenzene	24.4		1.0	0.74
179601-23-1	m-Xylene & p-Xylene	51.8		2.0	0.66
95-47-6	o-Xylene	24.3		1.0	0.76
1330-20-7	Xylenes, Total	76.1		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		66-137
2037-26-5	Toluene-d8 (Surr)	100		71-126
460-00-4	4-Bromofluorobenzene (Surr)	109		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973C\20111117-7606.b\C15614.D
 Lims ID: LCS Client ID:
 Inject. Date: 17-Nov-2011 12:19:30 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: LCS
 Misc. Info.: 480-0007606-004
 Operator: LH Instrument ID: HP5973C
 Vol. Injected: 1.0000 ALS Bottle#: 28
 Lims Batch ID: 40867 Lims Sample ID: 4
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973C\20111117-7606.b\C-8260.m
 Last Update: 17-Nov-2011 12:37:08 Calib Date: 04-Nov-2011 20:26:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973C\20111104-7267.b\C15113.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: HillL

Date: 17-Nov-2011 12:37:08

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	9.454	9.455	-0.001	94	456426	25.0	
* 2 Chlorobenzene-d5	82	11.826	11.826	0.0	86	232567	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.854	13.854	0.0	94	240360	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	9.194	9.194	0.0	0	83704	22.3	
\$ 5 Toluene-d8 (Surr)	98	10.652	10.652	0.0	91	515591	25.1	
\$ 6 4-Bromofluorobenzene (Surr)	174	12.775	12.775	0.0	86	174690	27.3	
22 1,1-Dichloroethene	96	6.869	6.858	0.011	88	119198	22.5	
32 Methyl tert-butyl ether	73	7.557	7.557	0.0	91	357268	22.6	
34 trans-1,2-Dichloroethene	96	7.628	7.617	0.011	96	145301	25.1	
39 1,1-Dichloroethane	63	8.020	8.020	0.0	83	265312	22.7	
45 cis-1,2-Dichloroethene	96	8.518	8.518	0.0	68	152153	23.8	
57 Benzene	78	9.241	9.241	0.0	95	557277	24.9	
58 1,2-Dichloroethane	62	9.253	9.253	0.0	68	209268	20.7	
62 Trichloroethene	95	9.715	9.716	-0.001	94	146987	23.6	
74 Toluene	92	10.700	10.700	0.0	94	354831	24.9	
81 Tetrachloroethene	166	11.150	11.150	0.0	90	159204	27.3	
87 Chlorobenzene	112	11.862	11.862	0.0	79	415738	25.4	
88 Ethylbenzene	91	11.862	11.862	0.0	93	688595	24.4	
90 m-Xylene & p-Xylene	106	11.945	11.945	0.0	98	532369	51.8	
91 o-Xylene	106	12.300	12.301	-0.001	97	248841	24.3	
107 1,2,4-Trimethylbenzene	105	13.403	13.404	-0.001	98	526161	21.0	
116 1,2-Dichlorobenzene	146	14.305	14.293	0.012	98	335740	24.0	
S 124 Xylenes, Total	1				0		76.2	
S 125 1,2-Dichloroethene, Total	1				0		48.8	

Report Date: 17-Nov-2011 12:37:09

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973C\20111117-7606.b\C15614.D

Injection Date: 17-Nov-2011 12:19:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973C

Lims Batch ID: 40867

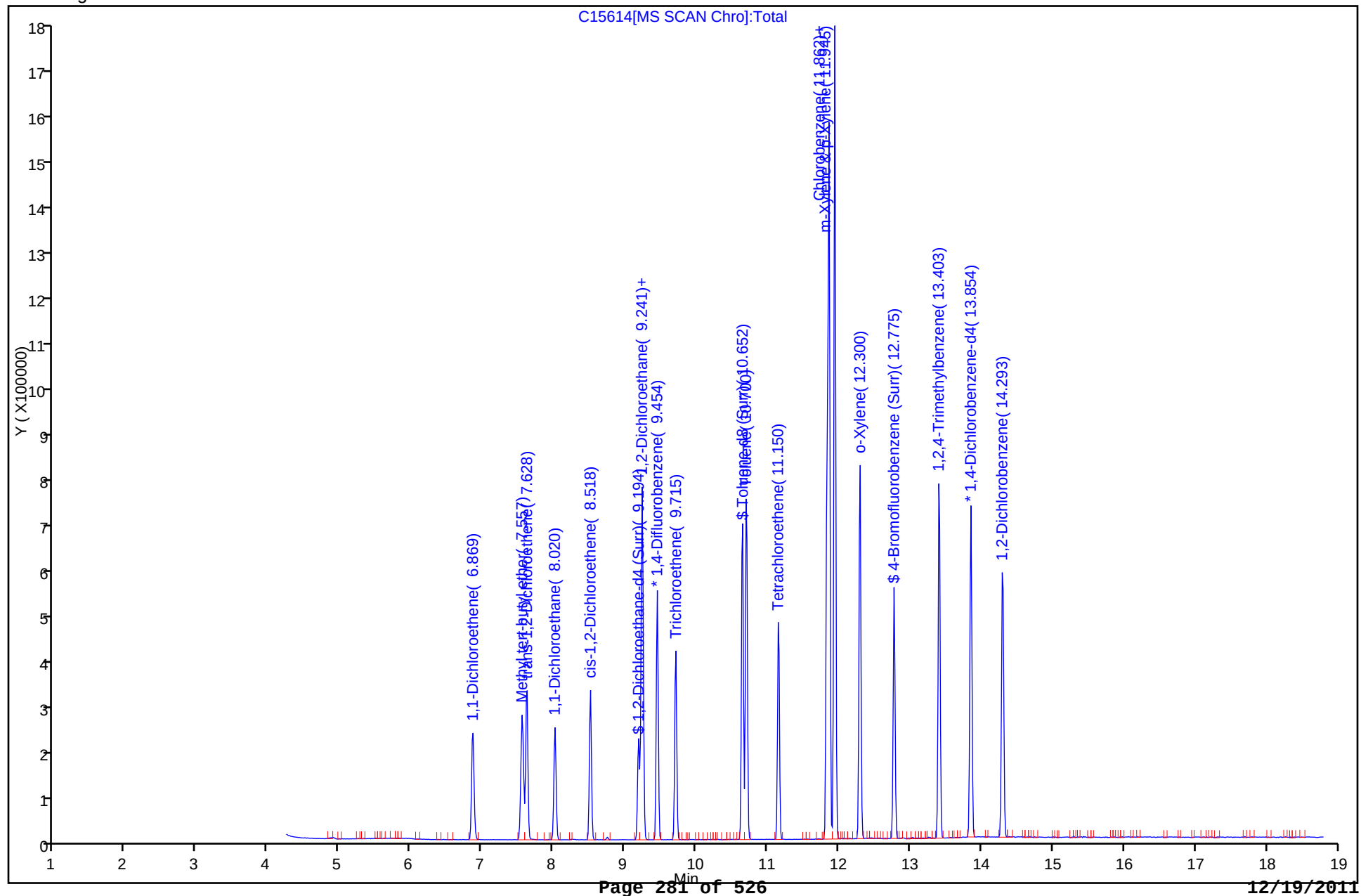
Lims Sample ID: 4

Operator ID: LH

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-40985/4
 Matrix: Water Lab File ID: C15640.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 11/17/2011 23:59
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (30) ID: 0.53(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 40985 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	26.8		1.0	0.41
108-88-3	Toluene	27.8		1.0	0.51
100-41-4	Ethylbenzene	26.8		1.0	0.74
179601-23-1	m-Xylene & p-Xylene	57.6		2.0	0.66
95-47-6	o-Xylene	27.3		1.0	0.76
1330-20-7	Xylenes, Total	84.9		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	87		66-137
2037-26-5	Toluene-d8 (Surr)	103		71-126
460-00-4	4-Bromofluorobenzene (Surr)	112		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973C\20111117-7630.b\C15640.D

Lims ID: LCS

Client ID:

Inject. Date: 17-Nov-2011 23:59:30

Dil. Factor: 1.0000

Sample Type: LCS

Sample ID: LCS

Misc. Info.: 480-0007630-004

Operator: CDC

Instrument ID: HP5973C

Vol. Injected: 1.0000

ALS Bottle#: 3

Lims Batch ID: 40985

Lims Sample ID: 4

Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973C\20111117-7630.b\C-8260.m

Last Update: 18-Nov-2011 00:38:33

Calib Date: 04-Nov-2011 20:26:30

Quant Method: Internal Standard

Quant By: Initial Calibration

Last ICal File: \\Bufchrom\ChromData\HP5973C\20111104-7267.b\C15113.D

Limit Group: MV - 8260B ICAL

Integrator: RTE

ID Type: RT Order ID

Process Host: CORP-CTX-19

First Level Reviewer: jonesr

Date: 18-Nov-2011 00:38:33

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	9.455	9.454	0.001	94	462426	25.0	
* 2 Chlorobenzene-d5	82	11.826	11.826	0.0	85	231263	25.0	
* 3 1,4-Dichlorobenzene-d4	152	13.854	13.854	0.0	94	242476	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	9.194	9.182	0.012	0	82528	21.7	
\$ 5 Toluene-d8 (Surr)	98	10.652	10.652	0.0	92	526241	25.8	
\$ 6 4-Bromofluorobenzene (Surr)	174	12.775	12.775	0.0	87	178442	28.1	
22 1,1-Dichloroethene	96	6.870	6.869	0.001	89	132523	24.7	
32 Methyl tert-butyl ether	73	7.557	7.557	0.0	90	402912	25.2	
34 trans-1,2-Dichloroethene	96	7.628	7.628	0.0	96	160181	27.3	
39 1,1-Dichloroethane	63	8.020	8.020	0.0	85	291975	24.7	
45 cis-1,2-Dichloroethene	96	8.518	8.518	0.0	66	168364	26.0	
57 Benzene	78	9.241	9.241	0.0	95	607337	26.8	
58 1,2-Dichloroethane	62	9.253	9.253	0.0	69	221465	21.6	
62 Trichloroethene	95	9.716	9.715	0.001	93	162724	25.8	
74 Toluene	92	10.700	10.700	0.0	94	394534	27.8	
81 Tetrachloroethene	166	11.150	11.150	0.0	91	176217	30.4	
87 Chlorobenzene	112	11.862	11.862	0.0	76	451105	27.7	
88 Ethylbenzene	91	11.862	11.862	0.0	94	751505	26.8	
90 m-Xylene & p-Xylene	106	11.945	11.945	0.0	97	587752	57.6	
91 o-Xylene	106	12.301	12.301	0.0	97	277839	27.3	
107 1,2,4-Trimethylbenzene	105	13.404	13.403	0.001	98	588752	23.3	
116 1,2-Dichlorobenzene	146	14.293	14.293	0.0	95	358971	25.5	
S 125 1,2-Dichloroethene, Total	1				0		53.2	
S 124 Xylenes, Total	1				0		84.9	

Report Date: 18-Nov-2011 00:38:33

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973C\20111117-7630.b\C15640.D

Injection Date: 17-Nov-2011 23:59:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973C

Lims Batch ID: 40985

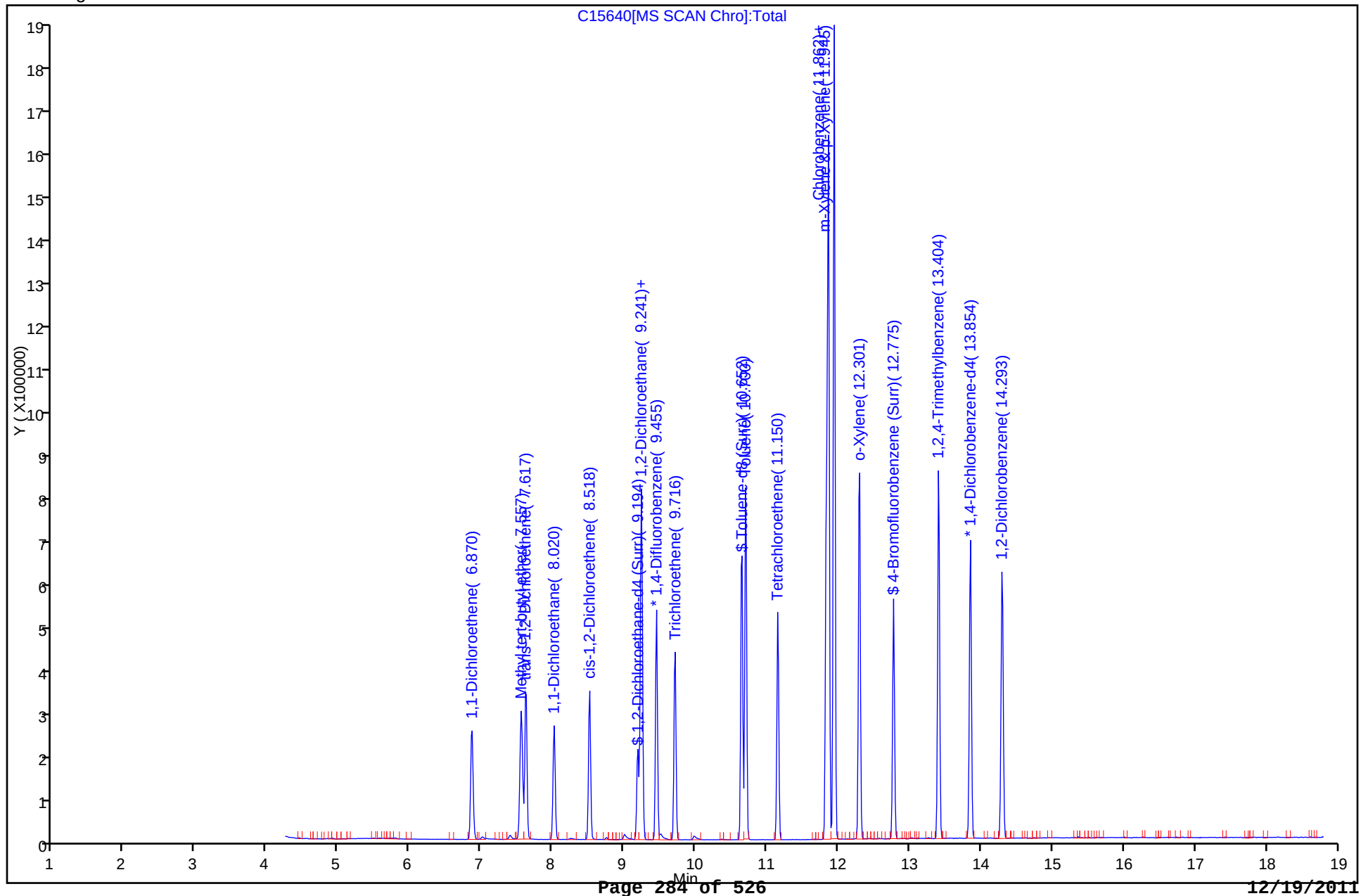
Lims Sample ID: 4

Operator ID: CDC

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1

SDG No.: _____

Instrument ID: HP5973C Start Date: 11/04/2011 12:45Analysis Batch Number: 38908 End Date: 11/04/2011 20:26

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-38908/1		11/04/2011 12:45	1	C15095.D	ZB-624 (30) 0.53 (mm)
STD 480-38908/2 IC		11/04/2011 13:41	1	C15097.D	ZB-624 (30) 0.53 (mm)
STD 480-38908/3 IC		11/04/2011 14:06	1	C15098.D	ZB-624 (30) 0.53 (mm)
STD 480-38908/4 IC		11/04/2011 14:32	1	C15099.D	ZB-624 (30) 0.53 (mm)
STD 480-38908/5 ICIS		11/04/2011 14:57	1	C15100.D	ZB-624 (30) 0.53 (mm)
STD 480-38908/6 IC		11/04/2011 15:22	1	C15101.D	ZB-624 (30) 0.53 (mm)
STD 480-38908/7 IC		11/04/2011 15:47	1	C15102.D	ZB-624 (30) 0.53 (mm)
ICV 480-38908/8		11/04/2011 16:39	1		ZB-624 (30) 0.53 (mm)
MDLV 480-38908/9		11/04/2011 17:30	1		ZB-624 (30) 0.53 (mm)
STD 480-38908/10 IC		11/04/2011 18:20	1		ZB-624 (30) 0.53 (mm)
STD 480-38908/11 IC		11/04/2011 18:45	1		ZB-624 (30) 0.53 (mm)
STD 480-38908/12 IC		11/04/2011 19:10	1		ZB-624 (30) 0.53 (mm)
STD 480-38908/13 IC		11/04/2011 19:35	1		ZB-624 (30) 0.53 (mm)
STD 480-38908/14 IC		11/04/2011 20:01	1		ZB-624 (30) 0.53 (mm)
STD 480-38908/15 IC		11/04/2011 20:26	1		ZB-624 (30) 0.53 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-12393-1

SDG No.: _____

Instrument ID: HP5973CStart Date: 11/17/2011 09:37Analysis Batch Number: 40867End Date: 11/17/2011 21:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-40867/1		11/17/2011 09:37	1	C15609.D	ZB-624 (30) 0.53 (mm)
CCVIS 480-40867/2		11/17/2011 10:06	1	C15610.D	ZB-624 (30) 0.53 (mm)
CCV 480-40867/3		11/17/2011 10:43	1		ZB-624 (30) 0.53 (mm)
MB 480-40867/5		11/17/2011 11:34	1	C15613.D	ZB-624 (30) 0.53 (mm)
LCS 480-40867/4		11/17/2011 12:19	1	C15614.D	ZB-624 (30) 0.53 (mm)
ZZZZZ		11/17/2011 12:58	25		ZB-624 (30) 0.53 (mm)
ZZZZZ		11/17/2011 13:23	25		ZB-624 (30) 0.53 (mm)
ZZZZZ		11/17/2011 13:48	25		ZB-624 (30) 0.53 (mm)
ZZZZZ		11/17/2011 14:13	1		ZB-624 (30) 0.53 (mm)
480-12393-1 DL	DW 1R DL	11/17/2011 14:38	400	C15619.D	ZB-624 (30) 0.53 (mm)
ZZZZZ		11/17/2011 15:54	1		ZB-624 (30) 0.53 (mm)
ZZZZZ		11/17/2011 16:19	1		ZB-624 (30) 0.53 (mm)
ZZZZZ		11/17/2011 16:45	1		ZB-624 (30) 0.53 (mm)
ZZZZZ		11/17/2011 17:10	1		ZB-624 (30) 0.53 (mm)
ZZZZZ		11/17/2011 17:35	1		ZB-624 (30) 0.53 (mm)
ZZZZZ		11/17/2011 18:00	1		ZB-624 (30) 0.53 (mm)
ZZZZZ		11/17/2011 18:25	1		ZB-624 (30) 0.53 (mm)
ZZZZZ		11/17/2011 18:50	1		ZB-624 (30) 0.53 (mm)
ZZZZZ		11/17/2011 19:15	1		ZB-624 (30) 0.53 (mm)
ZZZZZ		11/17/2011 19:40	40		ZB-624 (30) 0.53 (mm)
ZZZZZ		11/17/2011 20:04	1		ZB-624 (30) 0.53 (mm)
ZZZZZ		11/17/2011 20:30	1		ZB-624 (30) 0.53 (mm)
ZZZZZ		11/17/2011 20:55	1		ZB-624 (30) 0.53 (mm)
ZZZZZ		11/17/2011 21:20	1		ZB-624 (30) 0.53 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-12393-1

SDG No.: _____

Instrument ID: HP5973CStart Date: 11/17/2011 22:01Analysis Batch Number: 40985End Date: 11/18/2011 09:30

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-40985/1		11/17/2011 22:01	1	C15636.D	ZB-624 (30) 0.53 (mm)
CCVIS 480-40985/2		11/17/2011 22:56	1	C15638.D	ZB-624 (30) 0.53 (mm)
CCV 480-40985/3		11/17/2011 23:34	1		ZB-624 (30) 0.53 (mm)
LCS 480-40985/4		11/17/2011 23:59	1	C15640.D	ZB-624 (30) 0.53 (mm)
MB 480-40985/5		11/18/2011 00:24	1	C15641.D	ZB-624 (30) 0.53 (mm)
480-12393-4 DL	MW 8 DR DL	11/18/2011 01:08	800	C15642.D	ZB-624 (30) 0.53 (mm)
ZZZZZ		11/18/2011 01:34	1		ZB-624 (30) 0.53 (mm)
ZZZZZ		11/18/2011 01:59	1		ZB-624 (30) 0.53 (mm)
ZZZZZ		11/18/2011 02:24	1		ZB-624 (30) 0.53 (mm)
ZZZZZ		11/18/2011 02:49	1		ZB-624 (30) 0.53 (mm)
ZZZZZ		11/18/2011 03:14	1		ZB-624 (30) 0.53 (mm)
ZZZZZ		11/18/2011 03:40	1		ZB-624 (30) 0.53 (mm)
ZZZZZ		11/18/2011 04:05	1		ZB-624 (30) 0.53 (mm)
ZZZZZ		11/18/2011 04:30	1		ZB-624 (30) 0.53 (mm)
ZZZZZ		11/18/2011 04:55	1		ZB-624 (30) 0.53 (mm)
ZZZZZ		11/18/2011 05:20	1		ZB-624 (30) 0.53 (mm)
ZZZZZ		11/18/2011 05:46	1		ZB-624 (30) 0.53 (mm)
ZZZZZ		11/18/2011 06:35	1		ZB-624 (30) 0.53 (mm)
ZZZZZ		11/18/2011 07:00	1		ZB-624 (30) 0.53 (mm)
ZZZZZ		11/18/2011 07:25	1		ZB-624 (30) 0.53 (mm)
ZZZZZ		11/18/2011 07:50	1		ZB-624 (30) 0.53 (mm)
ZZZZZ		11/18/2011 08:15	1		ZB-624 (30) 0.53 (mm)
ZZZZZ		11/18/2011 08:40	1		ZB-624 (30) 0.53 (mm)
ZZZZZ		11/18/2011 09:05	1		ZB-624 (30) 0.53 (mm)
ZZZZZ		11/18/2011 09:30	1		ZB-624 (30) 0.53 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1

SDG No.: _____

Instrument ID: HP5973N Start Date: 10/19/2011 08:41Analysis Batch Number: 36062 End Date: 10/19/2011 15:41

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-36062/4		10/19/2011 08:41	1	N2239.D	ZB-624 (60) 0.25 (mm)
STD 480-36062/5 IC		10/19/2011 09:30	1	N2241.D	ZB-624 (60) 0.25 (mm)
STD 480-36062/6 IC		10/19/2011 09:53	1	N2242.D	ZB-624 (60) 0.25 (mm)
STD 480-36062/7 IC		10/19/2011 10:16	1	N2243.D	ZB-624 (60) 0.25 (mm)
STD 480-36062/8 ICIS		10/19/2011 10:39	1	N2244.D	ZB-624 (60) 0.25 (mm)
STD 480-36062/9 IC		10/19/2011 11:03	1	N2245.D	ZB-624 (60) 0.25 (mm)
STD 480-36062/10 IC		10/19/2011 11:26	1	N2246.D	ZB-624 (60) 0.25 (mm)
ICV 480-36062/11		10/19/2011 12:12	1		ZB-624 (60) 0.25 (mm)
MDLV 480-36062/12		10/19/2011 12:58	1		ZB-624 (60) 0.25 (mm)
STD 480-36062/13 IC		10/19/2011 13:45	1		ZB-624 (60) 0.25 (mm)
STD 480-36062/14 IC		10/19/2011 14:09	1		ZB-624 (60) 0.25 (mm)
STD 480-36062/15 IC		10/19/2011 14:31	1		ZB-624 (60) 0.25 (mm)
STD 480-36062/16 IC		10/19/2011 14:54	1		ZB-624 (60) 0.25 (mm)
STD 480-36062/17 IC		10/19/2011 15:18	1		ZB-624 (60) 0.25 (mm)
STD 480-36062/18 IC		10/19/2011 15:41	1		ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1

SDG No.: _____

Instrument ID: HP5973N Start Date: 11/16/2011 08:15Analysis Batch Number: 40606 End Date: 11/16/2011 19:27

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-40606/1		11/16/2011 08:15	1	N3536.D	ZB-624 (60) 0.25 (mm)
CCVIS 480-40606/2		11/16/2011 08:39	1	N3537.D	ZB-624 (60) 0.25 (mm)
CCV 480-40606/3		11/16/2011 09:14	1		ZB-624 (60) 0.25 (mm)
LCS 480-40606/4		11/16/2011 09:38	1	N3539.D	ZB-624 (60) 0.25 (mm)
MB 480-40606/5		11/16/2011 10:01	1	N3540.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		11/16/2011 10:35	5		ZB-624 (60) 0.25 (mm)
ZZZZZ		11/16/2011 10:57	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		11/16/2011 11:21	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		11/16/2011 11:44	1		ZB-624 (60) 0.25 (mm)
480-12393-2	MW 3 DR	11/16/2011 12:31	1	N3546.D	ZB-624 (60) 0.25 (mm)
480-12393-3	MW 3 DR DUP	11/16/2011 12:54	1	N3547.D	ZB-624 (60) 0.25 (mm)
480-12393-4	MW 8 DR	11/16/2011 13:18	1	N3548.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		11/16/2011 15:37	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		11/16/2011 15:59	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		11/16/2011 16:22	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		11/16/2011 16:45	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		11/16/2011 17:09	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		11/16/2011 17:31	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		11/16/2011 17:54	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		11/16/2011 18:18	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		11/16/2011 18:41	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		11/16/2011 19:04	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		11/16/2011 19:27	1		ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1

SDG No.: _____

Instrument ID: HP5973N Start Date: 11/16/2011 20:31Analysis Batch Number: 40801 End Date: 11/17/2011 07:40

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-40801/1		11/16/2011 20:31	1	N3567.D	ZB-624 (60) 0.25 (mm)
CCVIS 480-40801/2		11/16/2011 20:52	1	N3568.D	ZB-624 (60) 0.25 (mm)
CCV 480-40801/3		11/16/2011 21:25	1		ZB-624 (60) 0.25 (mm)
LCS 480-40801/4		11/16/2011 21:49	1	N3570.D	ZB-624 (60) 0.25 (mm)
MB 480-40801/5		11/16/2011 22:11	1	N3571.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		11/16/2011 22:49	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		11/16/2011 23:13	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		11/16/2011 23:59	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		11/17/2011 00:22	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		11/17/2011 00:45	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		11/17/2011 01:08	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		11/17/2011 01:32	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		11/17/2011 01:55	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		11/17/2011 02:18	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		11/17/2011 02:41	1		ZB-624 (60) 0.25 (mm)
480-12393-1	DW 1R	11/17/2011 03:05	125	N3583.D	ZB-624 (60) 0.25 (mm)
480-12393-2 DL	MW 3 DR DL	11/17/2011 03:28	25	N3584.D	ZB-624 (60) 0.25 (mm)
480-12393-3 DL	MW 3 DR DUP DL	11/17/2011 03:52	25	N3585.D	ZB-624 (60) 0.25 (mm)
480-12393-5	EB-1	11/17/2011 04:37	1	N3587.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		11/17/2011 05:00	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		11/17/2011 05:23	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		11/17/2011 05:45	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		11/17/2011 06:08	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		11/17/2011 06:31	2		ZB-624 (60) 0.25 (mm)
ZZZZZ		11/17/2011 06:54	5		ZB-624 (60) 0.25 (mm)
ZZZZZ		11/17/2011 07:17	5		ZB-624 (60) 0.25 (mm)
ZZZZZ		11/17/2011 07:40	5		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.: 480-12393-1
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	480-12393-1	72	97	62
MW 3 DR	480-12393-2	82	92	55
MW 3 DR DUP	480-12393-3	75	93	110
MW 8 DR	480-12393-4	79	106	82
EB-1	480-12393-5	78	82	90
	MB 480-39229/1-A	81	83	112
	LCS 480-39229/2-A	80	84	106
	LCSD 480-39229/3-A	95	97	127

	<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.: 480-12393-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: X0625.D
 Lab ID: LCS 480-39229/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acenaphthene	100	87.3	87	60-120	
Acenaphthylene	100	84.3	84	63-120	
Anthracene	100	92.5	93	69-131	
Benz (a) anthracene	100	99.0	99	73-138	
Benzo (a) pyrene	100	95.1	95	74-126	
Benzo (b) fluoranthene	100	93.0	93	75-133	
Benzo (g,h,i) perylene	100	104	104	66-152	
Benzo (k) fluoranthene	100	86.1	86	75-133	
Chrysene	100	99.0	99	69-140	
Dibenz (a,h) anthracene	100	94.8	95	67-144	
Fluoranthene	100	91.3	91	67-133	
Fluorene	100	90.8	91	66-129	
Indeno (1,2,3-c,d) pyrene	100	95.1	95	69-146	
Naphthalene	100	70.9	71	48-120	
Phenanthrene	100	91.4	91	67-130	
Pyrene	100	101	101	58-136	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: X0626.D
 Lab ID: LCSD 480-39229/3-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Acenaphthene	100	100	100	14	24	60-120	
Acenaphthylene	100	97.2	97	14	18	63-120	
Anthracene	100	111	111	18	15	69-131	*
Benz (a) anthracene	100	120	120	19	15	73-138	*
Benzo (a) pyrene	100	116	116	20	15	74-126	*
Benzo (b) fluoranthene	100	109	109	16	15	75-133	*
Benzo (g,h,i) perylene	100	125	125	18	15	66-152	*
Benzo (k) fluoranthene	100	107	107	21	22	75-133	
Chrysene	100	120	120	19	15	69-140	*
Dibenz (a,h) anthracene	100	115	115	19	15	67-144	*
Fluoranthene	100	111	111	20	15	67-133	*
Fluorene	100	106	106	15	15	66-129	
Indeno (1,2,3-c,d) pyrene	100	116	116	20	15	69-146	*
Naphthalene	100	79.4	79	11	29	48-120	
Phenanthrene	100	110	110	18	15	67-130	*
Pyrene	100	122	122	19	19	58-136	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1
SDG No.: _____
Lab File ID: X0624.D Lab Sample ID: MB 480-39229/1-A
Matrix: Water Date Extracted: 11/07/2011 14:12
Instrument ID: HP5973X Date Analyzed: 11/09/2011 14:50
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-39229/2-A	X0625.D	11/09/2011 15:13
	LCSD 480-39229/3-A	X0626.D	11/09/2011 15:36
EB-1	480-12393-5	X0646.D	11/09/2011 23:13
DW 1R	480-12393-1	X0712.D	11/10/2011 16:33
MW 3 DR	480-12393-2	X0713.D	11/10/2011 16:56
MW 3 DR DUP	480-12393-3	X0714.D	11/10/2011 17:19
MW 8 DR	480-12393-4	X0715.D	11/10/2011 17:42

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

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1
SDG No.: _____
Lab File ID: X0409.D DFTPP Injection Date: 11/04/2011
Instrument ID: HP5973X DFTPP Injection Time: 11:02
Analysis Batch No.: 38940

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	41.1
68	Less than 2.0 % of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	38.7
70	Less than 2.0 % of mass 69	0.0 (0.0) 1
127	40.0 - 60.0 % of mass 198	48.3
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	7.0
275	10.0 - 30.0 % of mass 198	21.7
365	Greater than 1.0 % of mass 198	2.3
441	Present but less than mass 443	9.6
442	Greater than 40.0 % of mass 198	66.3
443	17.0 - 23.0 % of mass 442	12.8 (19.3) 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 480-38940/2	X0413.D	11/04/2011	12:23
	IC 480-38940/3	X0414.D	11/04/2011	12:46
	IC 480-38940/4	X0415.D	11/04/2011	13:09
	ICIS 480-38940/5	X0416.D	11/04/2011	13:32
	IC 480-38940/6	X0417.D	11/04/2011	13:55
	IC 480-38940/7	X0418.D	11/04/2011	14:17

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

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1
SDG No.: _____
Lab File ID: X0618.D DFTPP Injection Date: 11/09/2011
Instrument ID: HP5973X DFTPP Injection Time: 12:37
Analysis Batch No.: 39590

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	37.8
68	Less than 2.0 % of mass 69	0.3 (1.0) 1
69	Mass 69 relative abundance	34.3
70	Less than 2.0 % of mass 69	0.2 (0.6) 1
127	40.0 - 60.0 % of mass 198	45.3
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	23.9
365	Greater than 1.0 % of mass 198	2.9
441	Present but less than mass 443	11.7
442	Greater than 40.0 % of mass 198	80.0
443	17.0 - 23.0 % of mass 442	15.8 (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 480-39590/2	X0619.D	11/09/2011	12:53
	MB 480-39229/1-A	X0624.D	11/09/2011	14:50
	LCS 480-39229/2-A	X0625.D	11/09/2011	15:13
	LCSD 480-39229/3-A	X0626.D	11/09/2011	15:36
EB-1	480-12393-5	X0646.D	11/09/2011	23:13

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

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1
SDG No.: _____
Lab File ID: X0708.D DFTPP Injection Date: 11/10/2011
Instrument ID: HP5973X DFTPP Injection Time: 15:09
Analysis Batch No.: 39801

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	39.2
68	Less than 2.0 % of mass 69	0.2 (0.6) 1
69	Mass 69 relative abundance	36.4
70	Less than 2.0 % of mass 69	0.0 (0.0) 1
127	40.0 - 60.0 % of mass 198	46.5
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	7.0
275	10.0 - 30.0 % of mass 198	24.7
365	Greater than 1.0 % of mass 198	3.3
441	Present but less than mass 443	11.9
442	Greater than 40.0 % of mass 198	81.6
443	17.0 - 23.0 % of mass 442	16.1 (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
	CCVIS 480-39801/2	X0709.D	11/10/2011	15:25
DW 1R	480-12393-1	X0712.D	11/10/2011	16:33
MW 3 DR	480-12393-2	X0713.D	11/10/2011	16:56
MW 3 DR DUP	480-12393-3	X0714.D	11/10/2011	17:19
MW 8 DR	480-12393-4	X0715.D	11/10/2011	17:42

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

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1
 SDG No.: _____
 Sample No.: ICIS 480-38940/5 Date Analyzed: 11/04/2011 13:32
 Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): X0416.D Heated Purge: (Y/N) N
 Calibration ID: 4660

	DCB		NPT		ANT		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	165315	6.23	616121	7.73	337509	9.78	
UPPER LIMIT	330630	6.73	1232242	8.23	675018	10.28	
LOWER LIMIT	82658	5.73	308061	7.23	168755	9.28	
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-39590/2		188406	6.21	696820	7.72	389265	9.77
CCVIS 480-39801/2		166942	6.21	620559	7.71	350731	9.77

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1
SDG No.: _____
Sample No.: ICIS 480-38940/5 Date Analyzed: 11/04/2011 13:32
Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25 (mm)
Lab File ID (Standard): X0416.D Heated Purge: (Y/N) N
Calibration ID: 4660

	PHN		CRY		PRY		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	535973	11.37	658651	13.76	769651	15.03	
UPPER LIMIT	1071946	11.87	1317302	14.26	1539302	15.53	
LOWER LIMIT	267987	10.87	329326	13.26	384826	14.53	
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-39590/2		630523	11.36	764493	13.75	911162	15.01
CCVIS 480-39801/2		558872	11.35	686666	13.75	809482	15.00

PHN = Phenanthrene-d10

CRY = Chrysene-d12

PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1
SDG No.: _____
Sample No.: CCVIS 480-39590/2 Date Analyzed: 11/09/2011 12:53
Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25 (mm)
Lab File ID (Standard): X0619.D Heated Purge: (Y/N) N
Calibration ID: 4660

	DCB		NPT		ANT		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	188406	6.21	696820	7.72	389265	9.77	
UPPER LIMIT	376812	6.71	1393640	8.22	778530	10.27	
LOWER LIMIT	94203	5.71	348410	7.22	194633	9.27	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 480-39229/1-A		165587	6.21	620562	7.72	337486	9.78
LCS 480-39229/2-A		173063	6.21	664872	7.72	369192	9.77
LCSD 480-39229/3-A		157127	6.21	605002	7.72	335863	9.77
480-12393-5	EB-1	171576	6.21	653478	7.72	355303	9.77

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1
SDG No.: _____
Sample No.: CCVIS 480-39590/2 Date Analyzed: 11/09/2011 12:53
Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25 (mm)
Lab File ID (Standard): X0619.D Heated Purge: (Y/N) N
Calibration ID: 4660

	PHN		CRY		PRY		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	630523	11.36	764493	13.75	911162	15.01	
UPPER LIMIT	1261046	11.86	1528986	14.25	1822324	15.51	
LOWER LIMIT	315262	10.86	382247	13.25	455581	14.51	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 480-39229/1-A		537902	11.36	654893	13.75	774977	15.01
LCS 480-39229/2-A		601777	11.36	662926	13.75	847915	15.01
LCSD 480-39229/3-A		538718	11.36	587318	13.75	753337	15.01
480-12393-5	EB-1	576987	11.36	684678	13.75	806760	15.00

PHN = Phenanthrene-d10

CRY = Chrysene-d12

PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1
SDG No.: _____
Sample No.: CCVIS 480-39801/2 Date Analyzed: 11/10/2011 15:25
Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25 (mm)
Lab File ID (Standard): X0709.D Heated Purge: (Y/N) N
Calibration ID: 4660

	DCB		NPT		ANT	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	166942	6.21	620559	7.71	350731	9.77
UPPER LIMIT	333884	6.71	1241118	8.21	701462	10.27
LOWER LIMIT	83471	5.71	310280	7.21	175366	9.27
LAB SAMPLE ID	CLIENT SAMPLE ID					
480-12393-1	DW 1R	143111	6.21	540108	7.71	290553 9.77
480-12393-2	MW 3 DR	136224	6.21	513330	7.71	280118 9.77
480-12393-3	MW 3 DR DUP	135615	6.21	509326	7.71	275788 9.77
480-12393-4	MW 8 DR	151496	6.21	572591	7.71	306492 9.77

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1
 SDG No.: _____
 Sample No.: CCVIS 480-39801/2 Date Analyzed: 11/10/2011 15:25
 Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): X0709.D Heated Purge: (Y/N) N
 Calibration ID: 4660

	PHN		CRY		PRY	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	558872	11.35	686666	13.75	809482	15.00
UPPER LIMIT	1117744	11.85	1373332	14.25	1618964	15.50
LOWER LIMIT	279436	10.85	343333	13.25	404741	14.50
LAB SAMPLE ID	CLIENT SAMPLE ID					
480-12393-1	DW 1R	464953	11.36	548846	13.74	627188 15.00
480-12393-2	MW 3 DR	448099	11.36	548034	13.74	629618 15.00
480-12393-3	MW 3 DR DUP	448052	11.36	532220	13.74	624442 15.00
480-12393-4	MW 8 DR	494193	11.36	576958	13.74	673462 15.00

PHN = Phenanthrene-d10

CRY = Chrysene-d12

PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1

SDG No.: _____

Client Sample ID: DW 1R Lab Sample ID: 480-12393-1

Matrix: Water Lab File ID: X0712.D

Analysis Method: 8270C Date Collected: 11/03/2011 18:03

Extract. Method: 3510C Date Extracted: 11/07/2011 14:12

Sample wt/vol: 1010(mL) Date Analyzed: 11/10/2011 16:33

Con. Extract Vol.: 1(mL) Dilution Factor: 20

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

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 39801 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	73	J	99	8.1
208-96-8	Acenaphthylene	ND		99	7.5
120-12-7	Anthracene	23	J *	99	5.5
56-55-3	Benz (a) anthracene	ND	*	99	7.1
50-32-8	Benzo (a) pyrene	ND	*	99	9.3
205-99-2	Benzo (b) fluoranthene	ND	*	99	6.7
191-24-2	Benzo (g, h, i) perylene	ND	*	99	6.9
207-08-9	Benzo (k) fluoranthene	ND		99	14
218-01-9	Chrysene	ND	*	99	6.5
53-70-3	Dibenz (a, h) anthracene	ND	*	99	8.3
206-44-0	Fluoranthene	ND	*	99	7.9
86-73-7	Fluorene	20	J	99	7.1
193-39-5	Indeno (1, 2, 3-c, d) pyrene	ND	*	99	9.3
91-20-3	Naphthalene	2500		99	15
85-01-8	Phenanthrene	24	J *	99	8.7
129-00-0	Pyrene	ND		99	6.7
91-57-6	2-Methylnaphthalene	270		99	12

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	72		46-120
321-60-8	2-Fluorobiphenyl	97		48-120
1718-51-0	p-Terphenyl-d14	62		24-136

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20111110-7427.b\X0712.D
 Lims ID: 480-12393-B-1-A Client ID: DW 1R
 Inject. Date: 10-Nov-2011 16:33:30 Dil. Factor: 20.0000
 Sample Type: Client
 Sample ID: 480-0007427-005
 Misc. Info.: 480-12393-B-1-A
 Operator: RJF Instrument ID: HP5973X
 Vol. Injected: 1.0000 ALS Bottle#: 5
 Lims Batch ID: 39801 Lims Sample ID: 5
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973X\20111110-7427.b\X-8270.m
 Last Update: 30-Nov-2011 11:47:43 Calib Date: 04-Nov-2011 14:17:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973X\20111104-7273.b\X0418.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: mckernar

Date: 11-Nov-2011 10:09:50

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.205	6.205	0.0	96	143111	40.0	
* 2 Naphthalene-d8	136	7.711	7.711	0.0	88	540108	40.0	
* 3 Acenaphthene-d10	164	9.773	9.768	0.005	58	290553	40.0	
* 4 Phenanthrene-d10	188	11.355	11.349	0.006	100	464953	40.0	
* 5 Chrysene-d12	240	13.743	13.743	0.0	99	548846	40.0	
* 6 Perylene-d12	264	15.003	15.003	0.0	99	627188	40.0	
\$ 9 Nitrobenzene-d5	82	6.867	6.862	0.005	80	17603	3.60	
\$ 10 2-Fluorobiphenyl	172	8.999	8.988	0.011	93	42082	4.87	
\$ 12 p-Terphenyl-d14	244	12.824	12.824	0.0	88	30654	3.11	
99 Naphthalene	128	7.738	7.733	0.005	98	1665465	128.4	
131 Acenaphthylene	152		9.597					
133 Acenaphthene	153	9.811	9.805	0.006	89	25519	3.67	
144 Fluorene	166	10.393	10.382	0.011	66	7905	0.99	
171 Phenanthrene	178	11.376	11.376	0.0	52	14265	1.19	
172 Anthracene	178	11.376	11.424	-0.048	58	14265	1.17	
182 Fluoranthene	202		12.487					
185 Pyrene	202		12.690					
197 Benzo[a]anthracene	228		13.737					
199 Chrysene	228		13.769					
203 Benzo[b]fluoranthene	252		14.656					
204 Benzo[k]fluoranthene	252		14.677					
206 Benzo[a]pyrene	252		14.950					
208 Indeno[1,2,3-cd]pyrene	276	16.088	16.088	0.0	1	3253	0.1925	
209 Dibenz(a,h)anthracene	278		16.093					
210 Benzo[g,h,i]perylene	276		16.398					
113 2-Methylnaphthalene	142	8.561	8.550	0.011	96	112916	13.7	

Report Date: 30-Nov-2011 12:17:59

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20111110-7427.b\X0712.D

Injection Date: 10-Nov-2011 16:33:30

Limit Group: MB - 8270C ICAL

Client ID: DW 1R

Instrument ID: HP5973X

Lims Batch ID: 39801

Lims Sample ID: 5

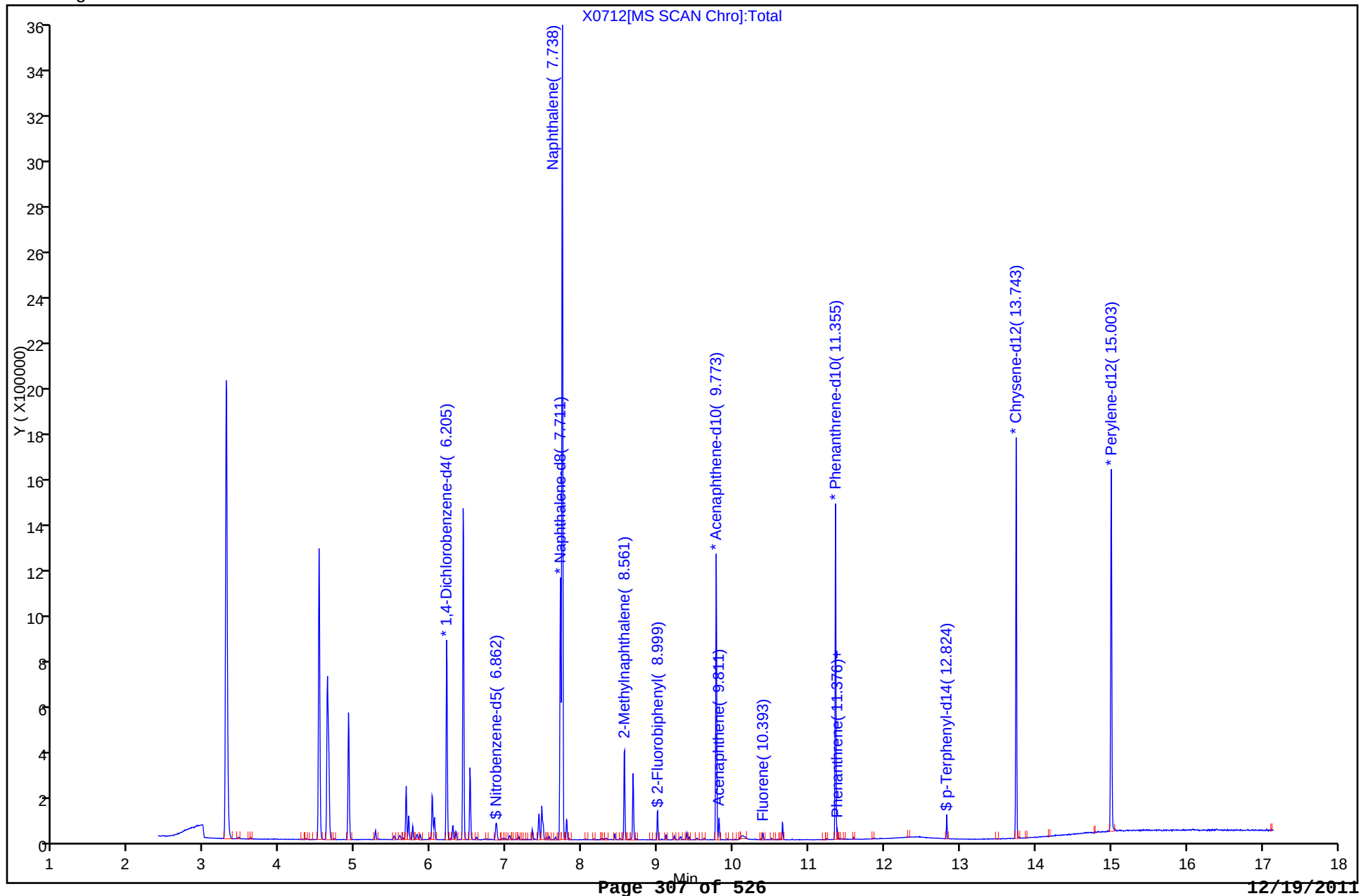
Operator ID: RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



Report Date: 30-Nov-2011 12:17:59

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20111110-7427.b\X0712.D

Injection Date: 10-Nov-2011 16:33:30

Limit Group: MB - 8270C ICAL

Client ID: DW 1R

Instrument ID: HP5973X

Lims Batch ID: 39801

Lims Sample ID: 5

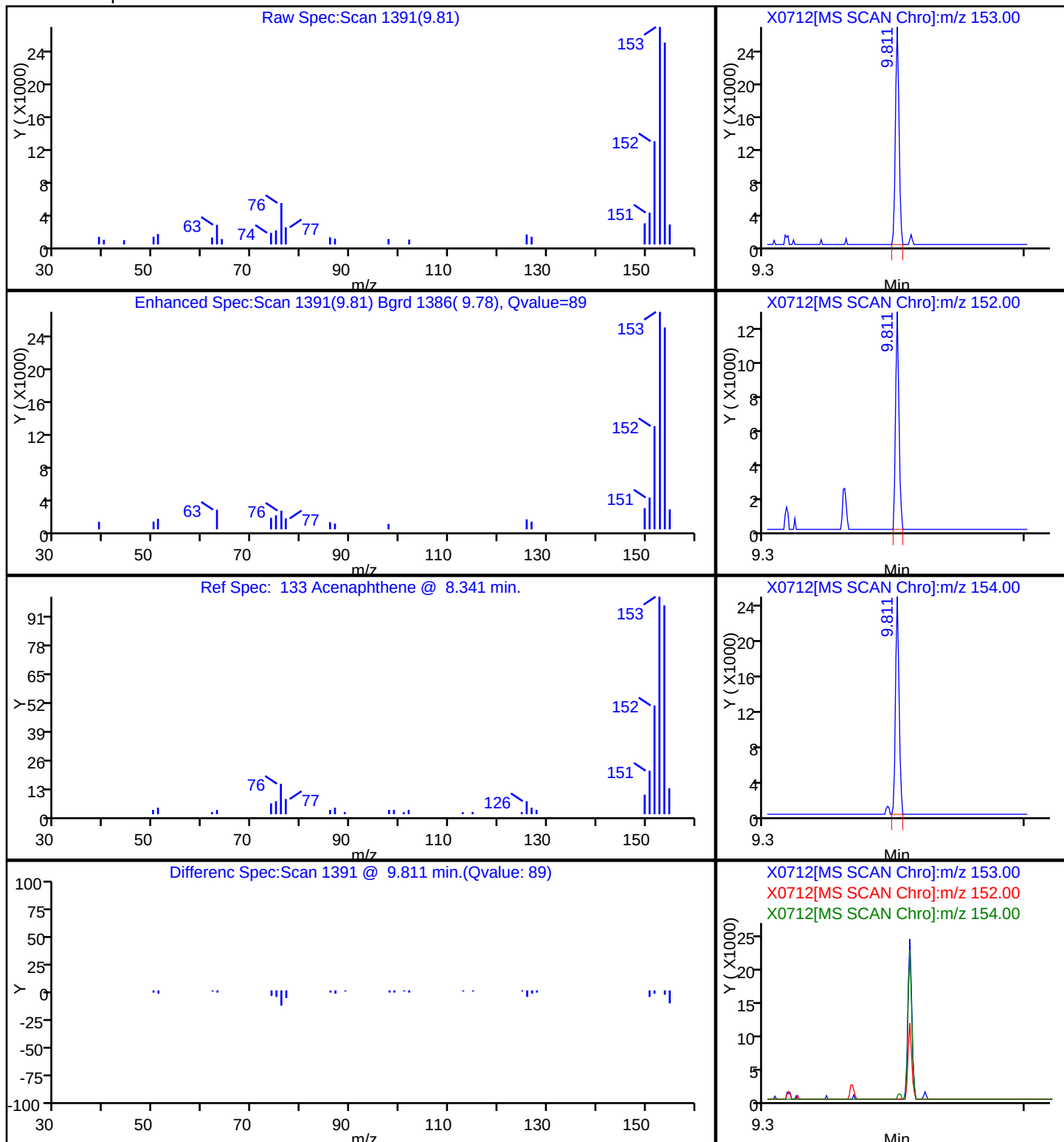
Operator ID: RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

133 Acenaphthene



Report Date: 30-Nov-2011 12:17:59

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20111110-7427.b\X0712.D

Injection Date: 10-Nov-2011 16:33:30

Limit Group: MB - 8270C ICAL

Client ID: DW 1R

Instrument ID: HP5973X

Lims Batch ID: 39801

Lims Sample ID: 5

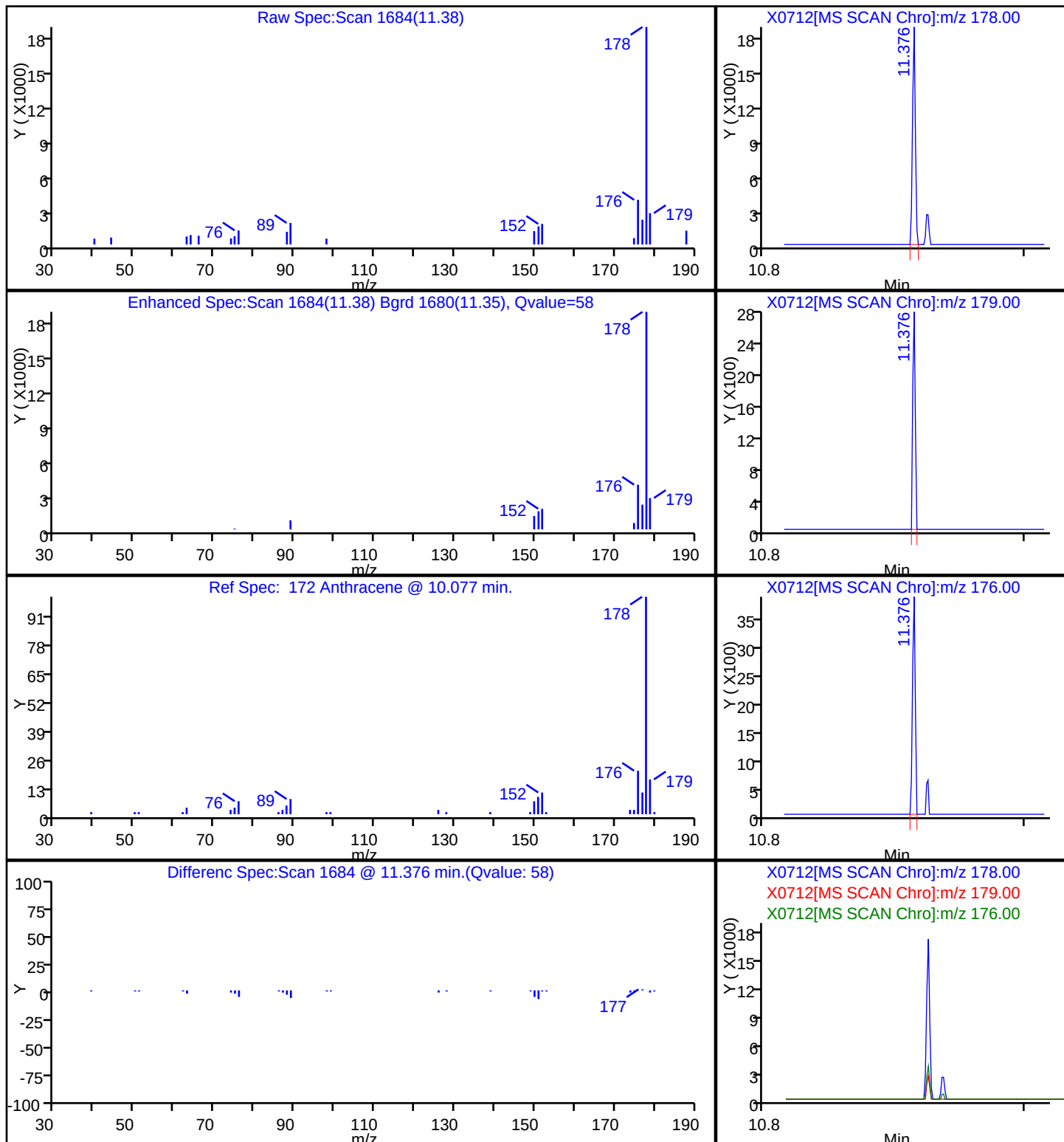
Operator ID: RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

172 Anthracene



Report Date: 30-Nov-2011 12:17:59

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20111110-7427.b\X0712.D

Injection Date: 10-Nov-2011 16:33:30

Limit Group: MB - 8270C ICAL

Client ID: DW 1R

Instrument ID: HP5973X

Lims Batch ID: 39801

Lims Sample ID: 5

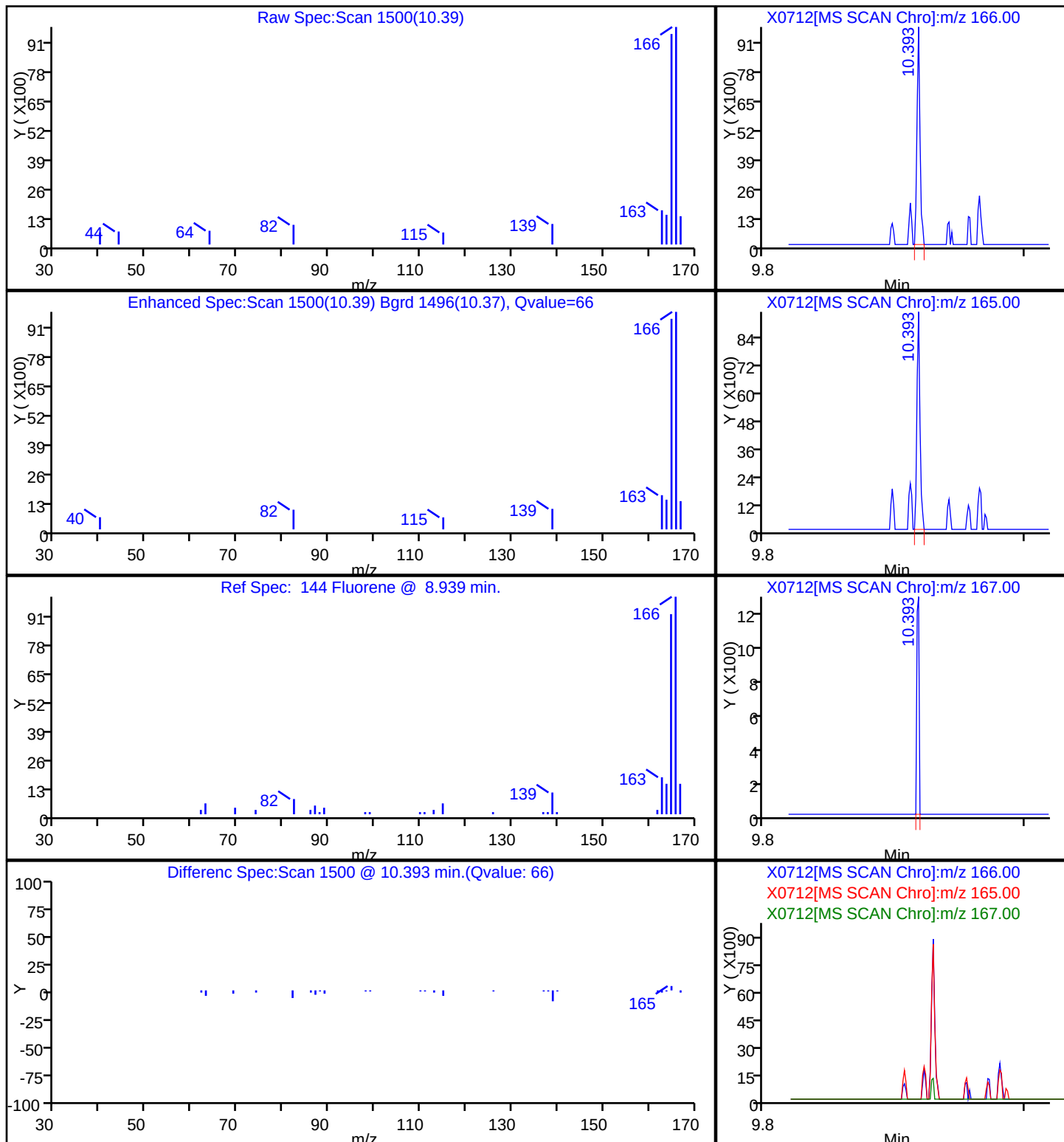
Operator ID: RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

144 Fluorene



Report Date: 30-Nov-2011 12:17:59

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20111110-7427.b\X0712.D

Injection Date: 10-Nov-2011 16:33:30

Limit Group: MB - 8270C ICAL

Client ID: DW 1R

Instrument ID: HP5973X

Lims Batch ID: 39801

Lims Sample ID: 5

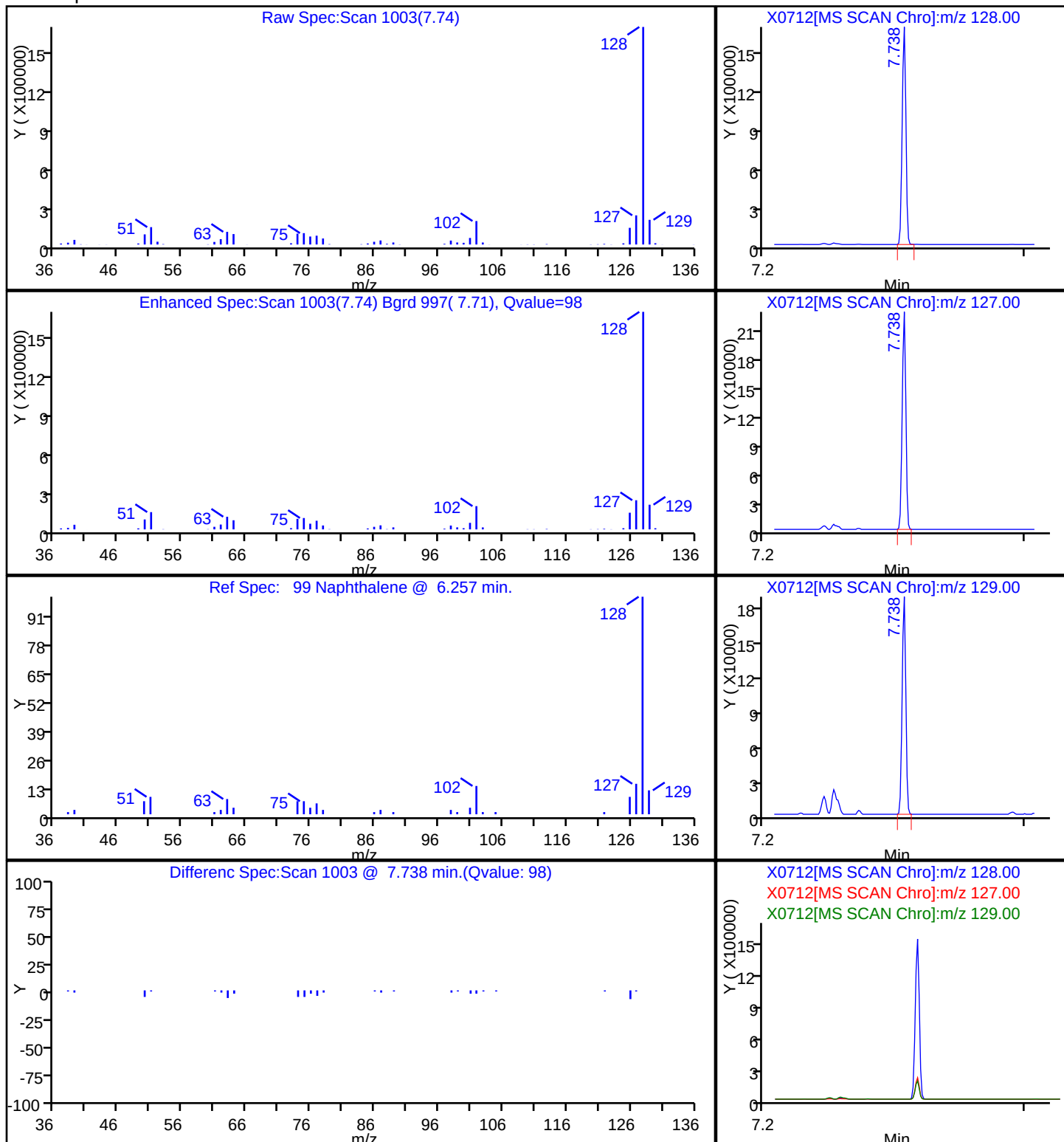
Operator ID: RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

99 Naphthalene



Report Date: 30-Nov-2011 12:17:59

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20111110-7427.b\X0712.D

Injection Date: 10-Nov-2011 16:33:30

Limit Group: MB - 8270C ICAL

Client ID: DW 1R

Instrument ID: HP5973X

Lims Batch ID: 39801

Lims Sample ID: 5

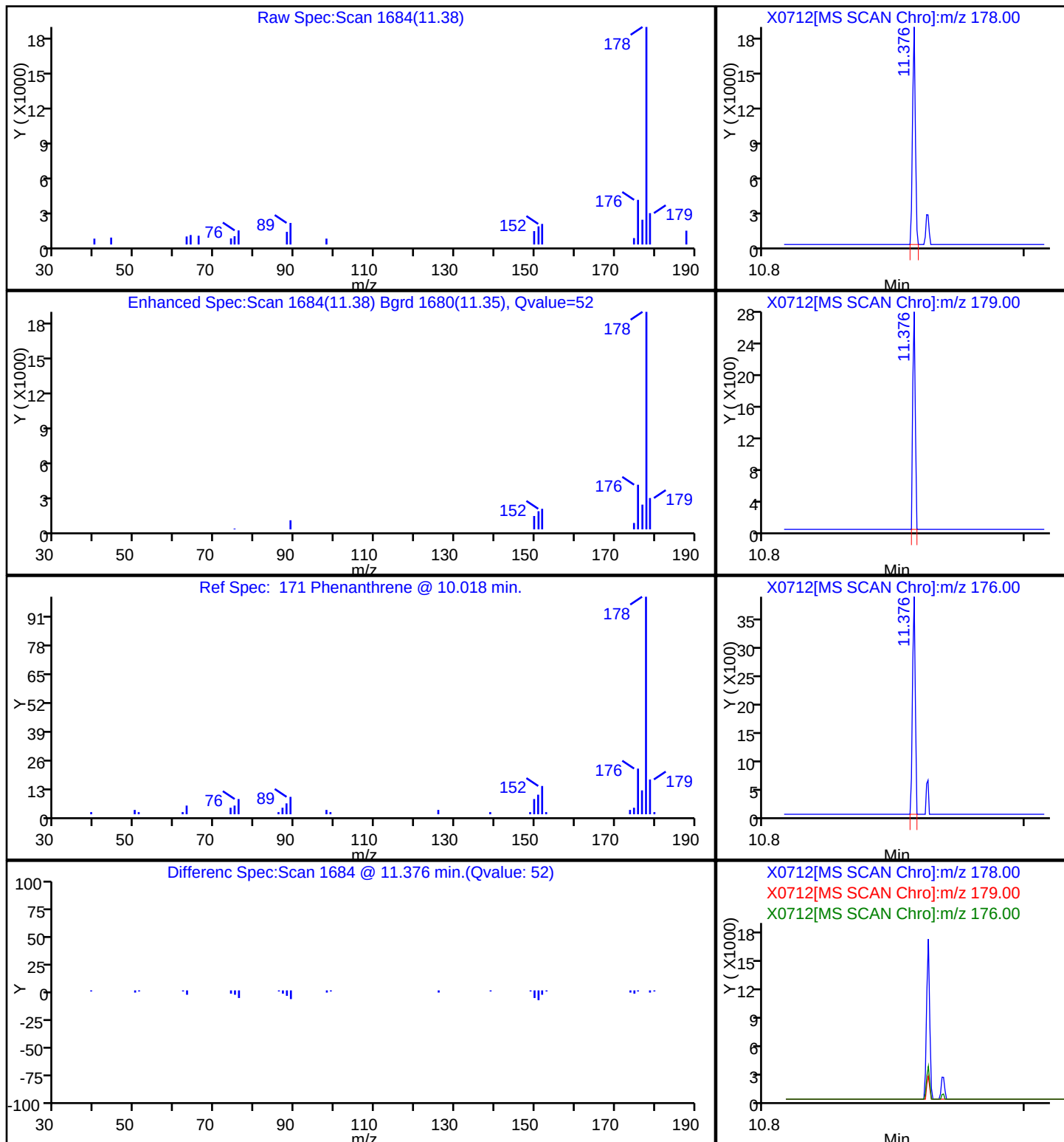
Operator ID: RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

171 Phenanthrene



Report Date: 30-Nov-2011 12:17:59

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20111110-7427.b\X0712.D

Injection Date: 10-Nov-2011 16:33:30

Limit Group: MB - 8270C ICAL

Client ID: DW 1R

Instrument ID: HP5973X

Lims Batch ID: 39801

Lims Sample ID: 5

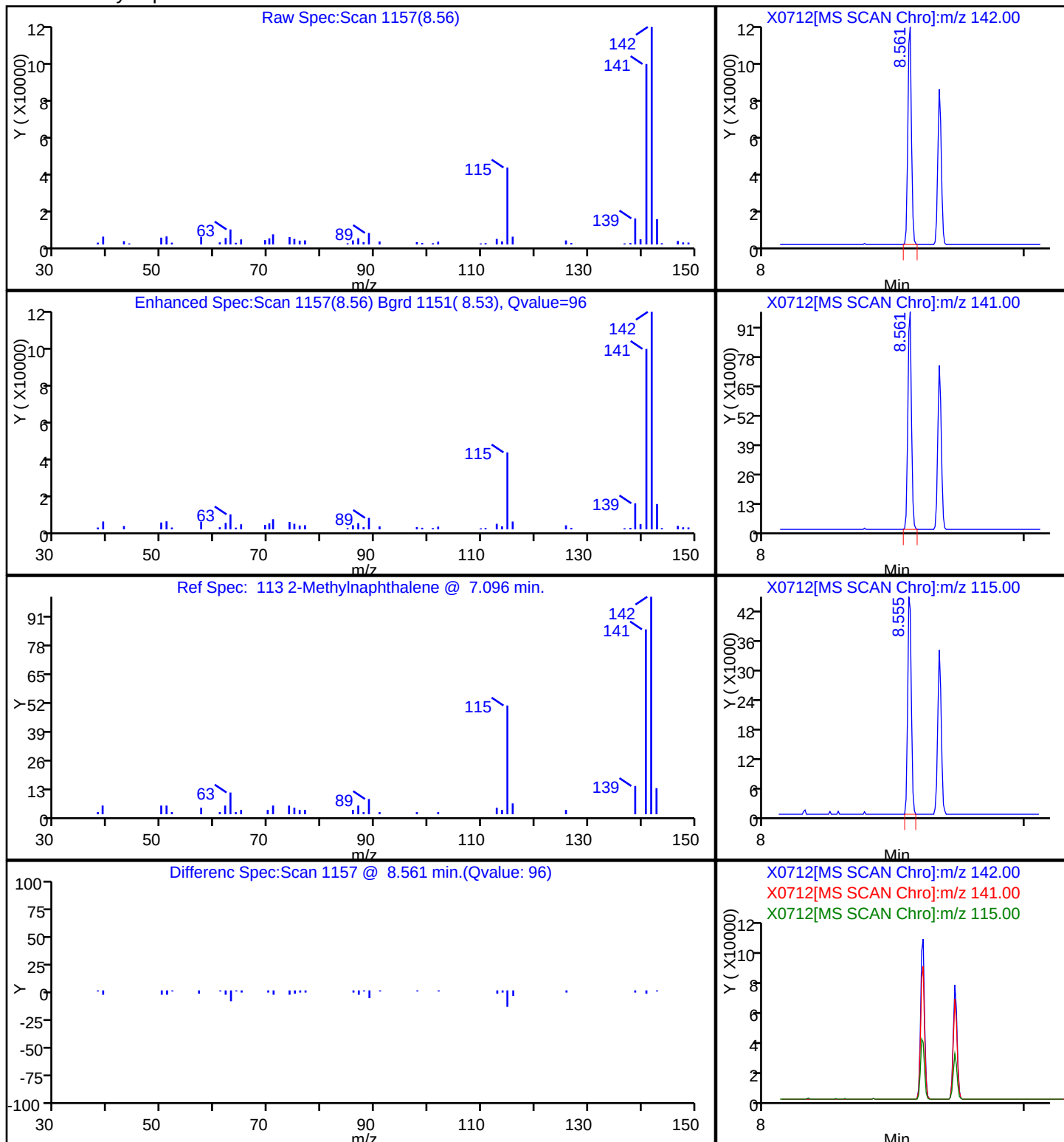
Operator ID: RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

113 2-Methylnaphthalene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1
 SDG No.: _____
 Client Sample ID: MW 3 DR Lab Sample ID: 480-12393-2
 Matrix: Water Lab File ID: X0713.D
 Analysis Method: 8270C Date Collected: 11/03/2011 18:05
 Extract. Method: 3510C Date Extracted: 11/07/2011 14:12
 Sample wt/vol: 1010(mL) Date Analyzed: 11/10/2011 16:56
 Con. Extract Vol.: 1(mL) Dilution Factor: 5
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 39801 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	35		25	2.0
208-96-8	Acenaphthylene	4.4	J	25	1.9
120-12-7	Anthracene	ND	*	25	1.4
56-55-3	Benz (a) anthracene	ND	*	25	1.8
50-32-8	Benzo (a) pyrene	ND	*	25	2.3
205-99-2	Benzo (b) fluoranthene	ND	*	25	1.7
191-24-2	Benzo (g, h, i) perylene	ND	*	25	1.7
207-08-9	Benzo (k) fluoranthene	ND		25	3.6
218-01-9	Chrysene	ND	*	25	1.6
53-70-3	Dibenz (a, h) anthracene	ND	*	25	2.1
206-44-0	Fluoranthene	ND	*	25	2.0
86-73-7	Fluorene	5.5	J	25	1.8
193-39-5	Indeno (1, 2, 3-c, d) pyrene	ND	*	25	2.3
91-20-3	Naphthalene	650		25	3.8
85-01-8	Phenanthrene	2.9	J *	25	2.2
129-00-0	Pyrene	ND		25	1.7
91-57-6	2-Methylnaphthalene	30		25	3.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	82		46-120
321-60-8	2-Fluorobiphenyl	92		48-120
1718-51-0	p-Terphenyl-d14	55		24-136

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20111110-7427.b\X0713.D
 Lims ID: 480-12393-A-2-A Client ID: MW 3 DR
 Inject. Date: 10-Nov-2011 16:56:30 Dil. Factor: 5.0000
 Sample Type: Client
 Sample ID: 480-0007427-006
 Misc. Info.: 480-12393-A-2-A
 Operator: RJF Instrument ID: HP5973X
 Vol. Injected: 1.0000 ALS Bottle#: 6
 Lims Batch ID: 39801 Lims Sample ID: 6
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973X\20111110-7427.b\X-8270.m
 Last Update: 30-Nov-2011 11:47:43 Calib Date: 04-Nov-2011 14:17:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973X\20111104-7273.b\X0418.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: mckernar

Date: 11-Nov-2011 10:10:28

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.210	6.205	0.005	95	136224	40.0	
* 2 Naphthalene-d8	136	7.711	7.711	0.0	88	513330	40.0	
* 3 Acenaphthene-d10	164	9.773	9.768	0.005	54	280118	40.0	
* 4 Phenanthrene-d10	188	11.355	11.349	0.006	100	448099	40.0	
* 5 Chrysene-d12	240	13.743	13.743	0.0	99	548034	40.0	
* 6 Perylene-d12	264	15.003	15.003	0.0	99	629618	40.0	
\$ 9 Nitrobenzene-d5	82	6.867	6.862	0.005	96	76346	16.4	
\$ 10 2-Fluorobiphenyl	172	8.993	8.988	0.005	99	153147	18.4	
\$ 12 p-Terphenyl-d14	244	12.824	12.824	0.0	96	108138	11.0	
99 Naphthalene	128	7.738	7.733	0.005	98	1609664	130.6	
131 Acenaphthylene	152	9.608	9.597	0.011	62	9770	0.8912	
133 Acenaphthene	153	9.811	9.805	0.006	96	47148	7.04	
144 Fluorene	166	10.393	10.382	0.011	73	8616	1.12	
171 Phenanthrene	178	11.376	11.376	0.0	24	6714	0.5813	
172 Anthracene	178		11.424					
182 Fluoranthene	202		12.487					
185 Pyrene	202		12.690					
197 Benzo[a]anthracene	228		13.737					
199 Chrysene	228		13.769					
203 Benzo[b]fluoranthene	252		14.656					
204 Benzo[k]fluoranthene	252		14.677					
206 Benzo[a]pyrene	252		14.950					
208 Indeno[1,2,3-cd]pyrene	276	16.077	16.088	-0.011	1	2369	0.1396	
209 Dibenz(a,h)anthracene	278		16.093					
210 Benzo[g,h,i]perylene	276		16.398					
113 2-Methylnaphthalene	142	8.561	8.550	0.011	92	47254	6.05	

Report Date: 30-Nov-2011 12:18:13

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20111110-7427.b\X0713.D

Injection Date: 10-Nov-2011 16:56:30

Limit Group: MB - 8270C ICAL

Client ID: MW 3 DR

Instrument ID: HP5973X

Lims Batch ID: 39801

Lims Sample ID: 6

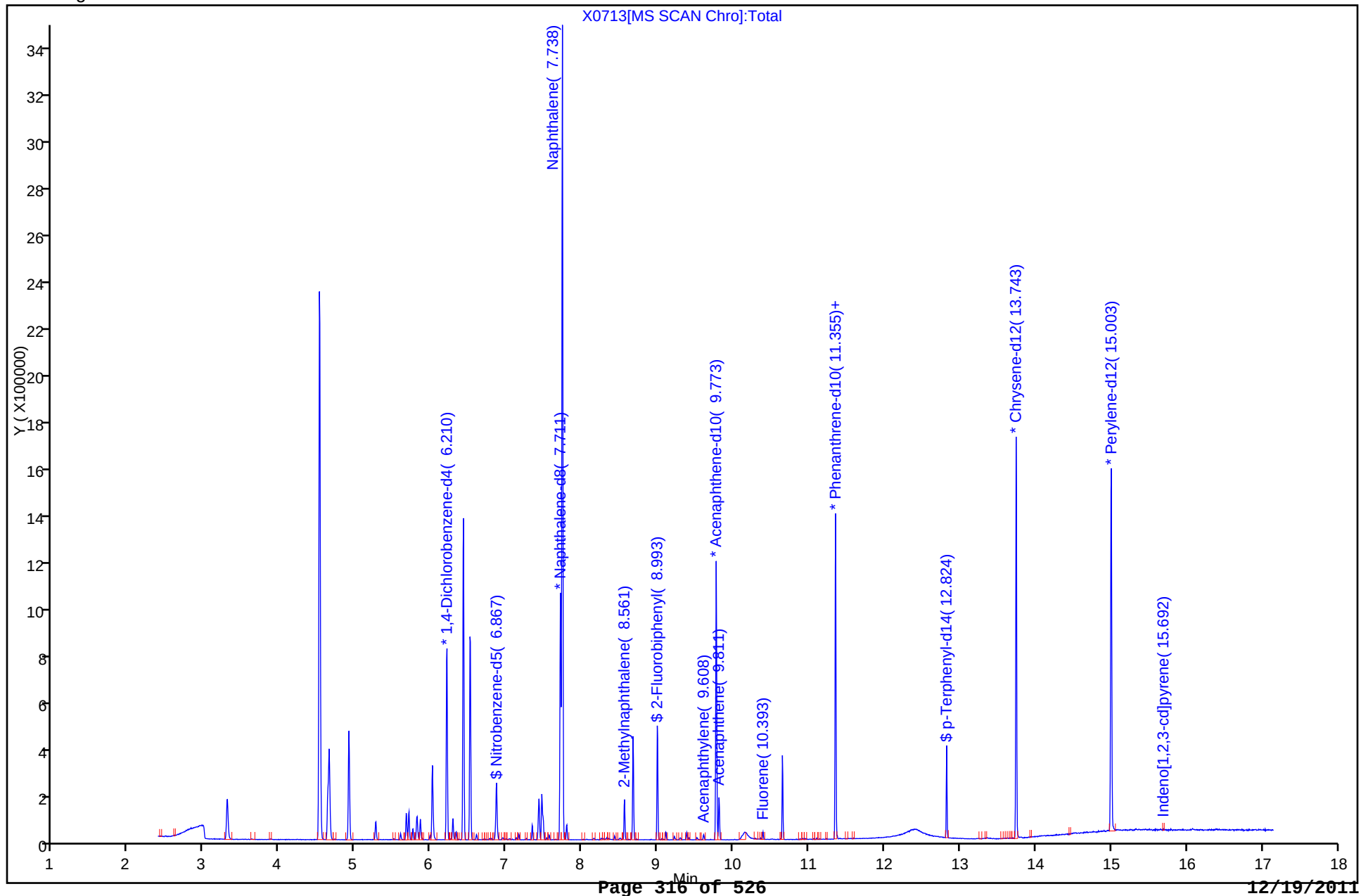
Operator ID: RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



Report Date: 30-Nov-2011 12:18:13

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20111110-7427.b\X0713.D

Injection Date: 10-Nov-2011 16:56:30

Limit Group: MB - 8270C ICAL

Client ID: MW 3 DR

Instrument ID: HP5973X

Lims Batch ID: 39801

Lims Sample ID: 6

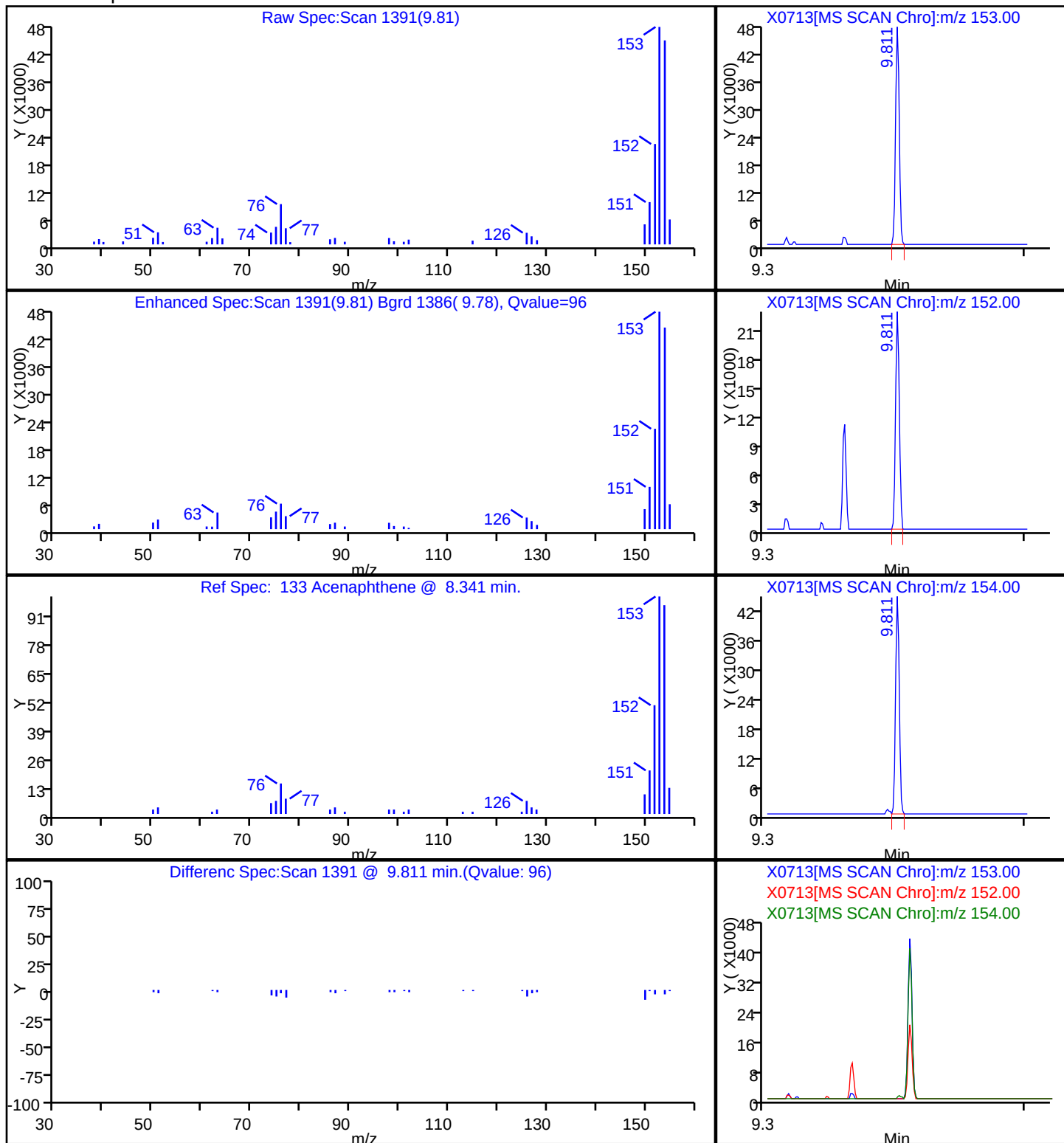
Operator ID: RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

133 Acenaphthene



Report Date: 30-Nov-2011 12:18:13

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20111110-7427.b\X0713.D

Injection Date: 10-Nov-2011 16:56:30

Limit Group: MB - 8270C ICAL

Client ID: MW 3 DR

Instrument ID: HP5973X

Lims Batch ID: 39801

Lims Sample ID: 6

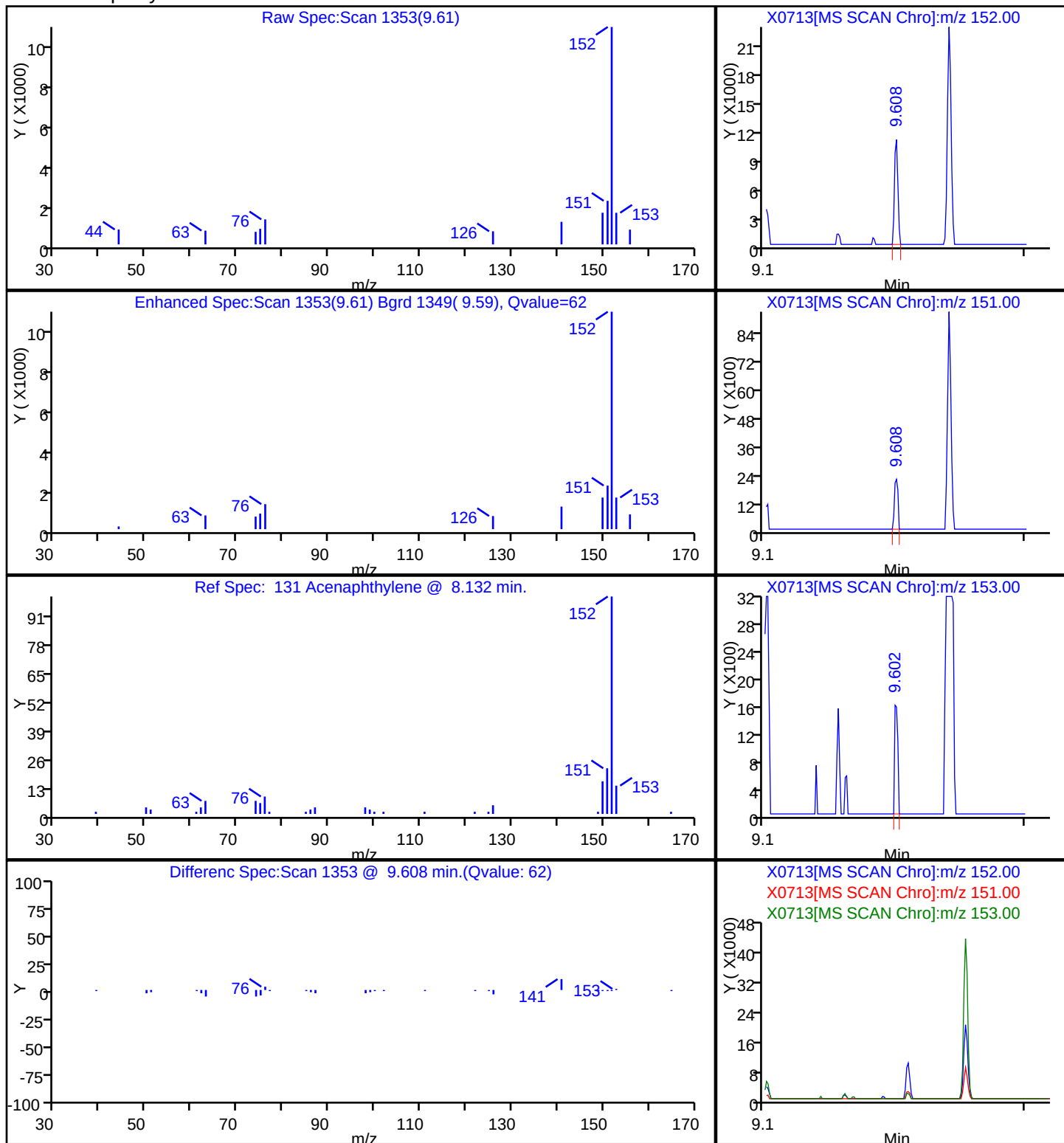
Operator ID: RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

131 Acenaphthylene



Report Date: 30-Nov-2011 12:18:13

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20111110-7427.b\X0713.D

Injection Date: 10-Nov-2011 16:56:30

Limit Group: MB - 8270C ICAL

Client ID: MW 3 DR

Instrument ID: HP5973X

Lims Batch ID: 39801

Lims Sample ID: 6

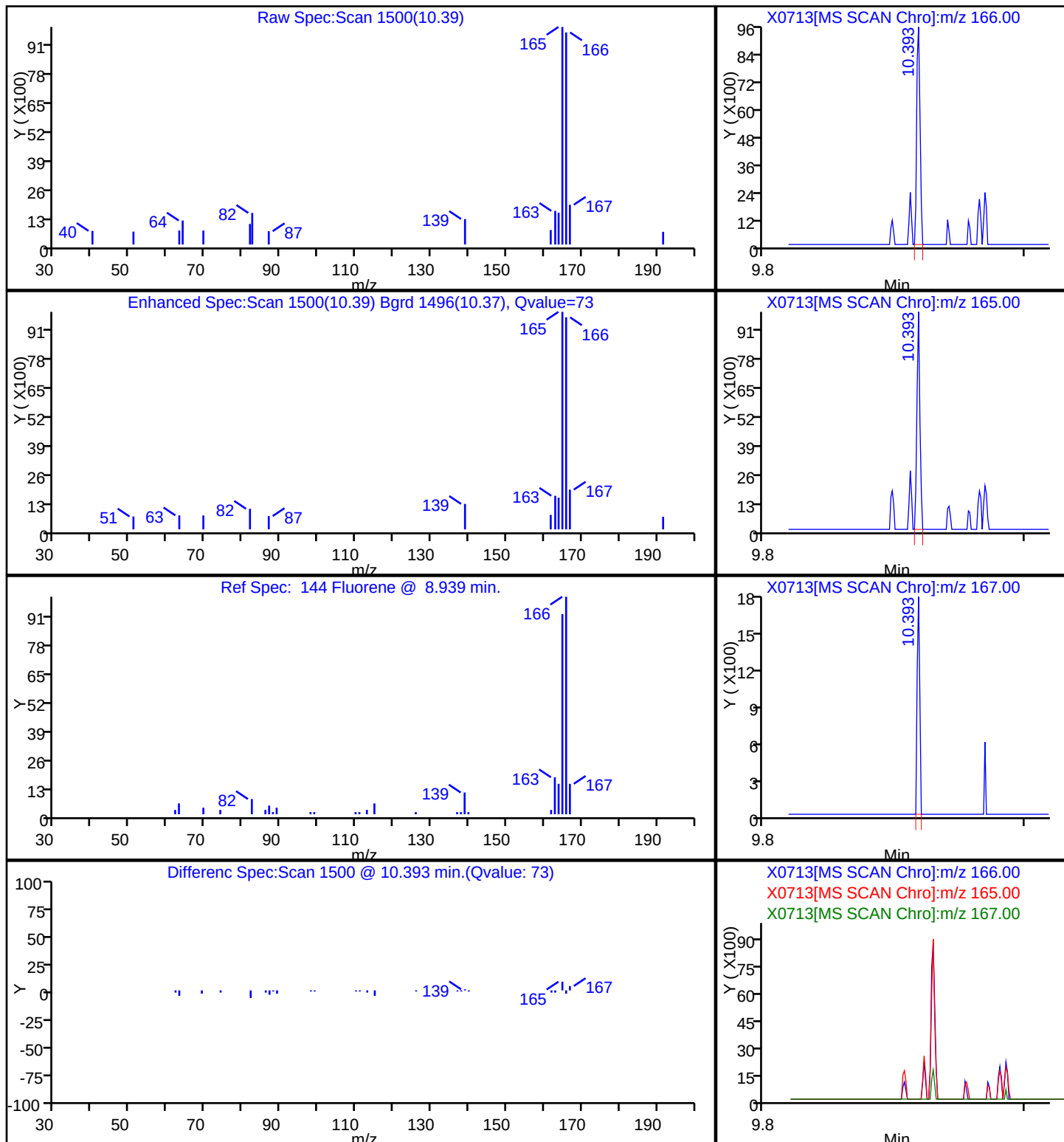
Operator ID: RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

144 Fluorene



Report Date: 30-Nov-2011 12:18:13

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20111110-7427.b\X0713.D

Injection Date: 10-Nov-2011 16:56:30

Limit Group: MB - 8270C ICAL

Client ID: MW 3 DR

Instrument ID: HP5973X

Lims Batch ID: 39801

Lims Sample ID: 6

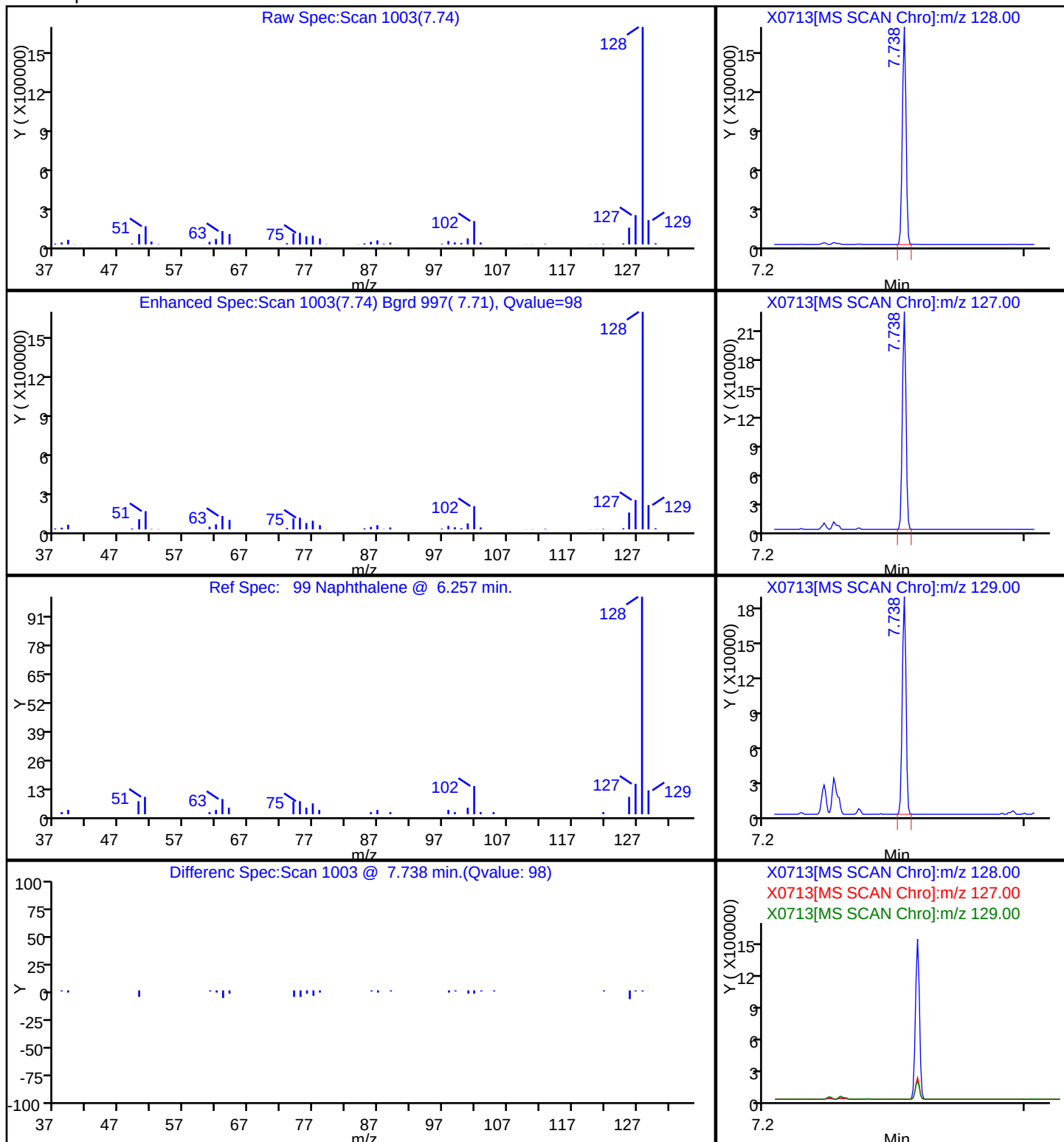
Operator ID: RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

99 Naphthalene



Report Date: 30-Nov-2011 12:18:13

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20111110-7427.b\X0713.D

Injection Date: 10-Nov-2011 16:56:30

Limit Group: MB - 8270C ICAL

Client ID: MW 3 DR

Instrument ID: HP5973X

Lims Batch ID: 39801

Lims Sample ID: 6

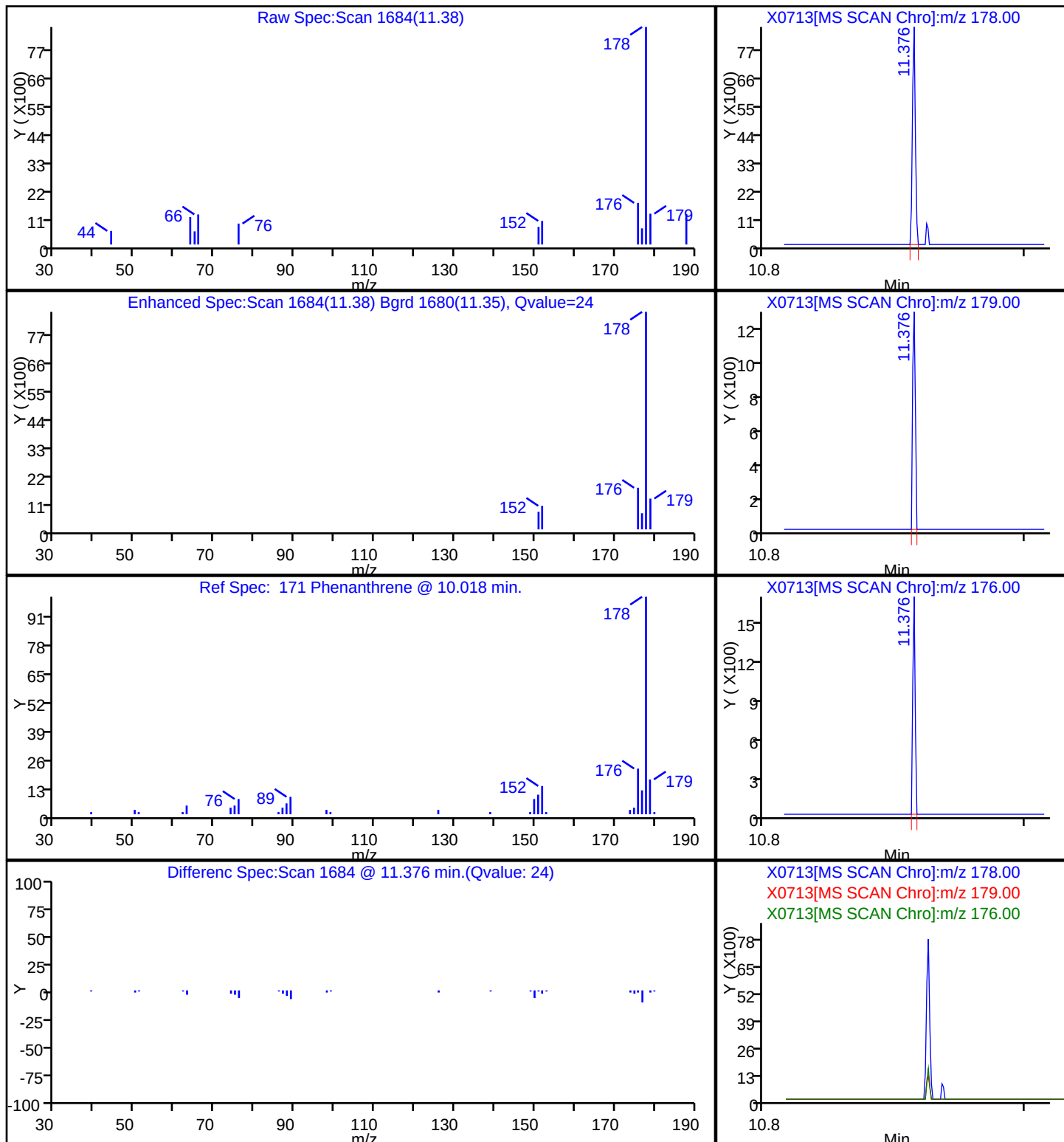
Operator ID: RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

171 Phenanthrene



Report Date: 30-Nov-2011 12:18:13

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20111110-7427.b\X0713.D

Injection Date: 10-Nov-2011 16:56:30

Limit Group: MB - 8270C ICAL

Client ID: MW 3 DR

Instrument ID: HP5973X

Lims Batch ID: 39801

Lims Sample ID: 6

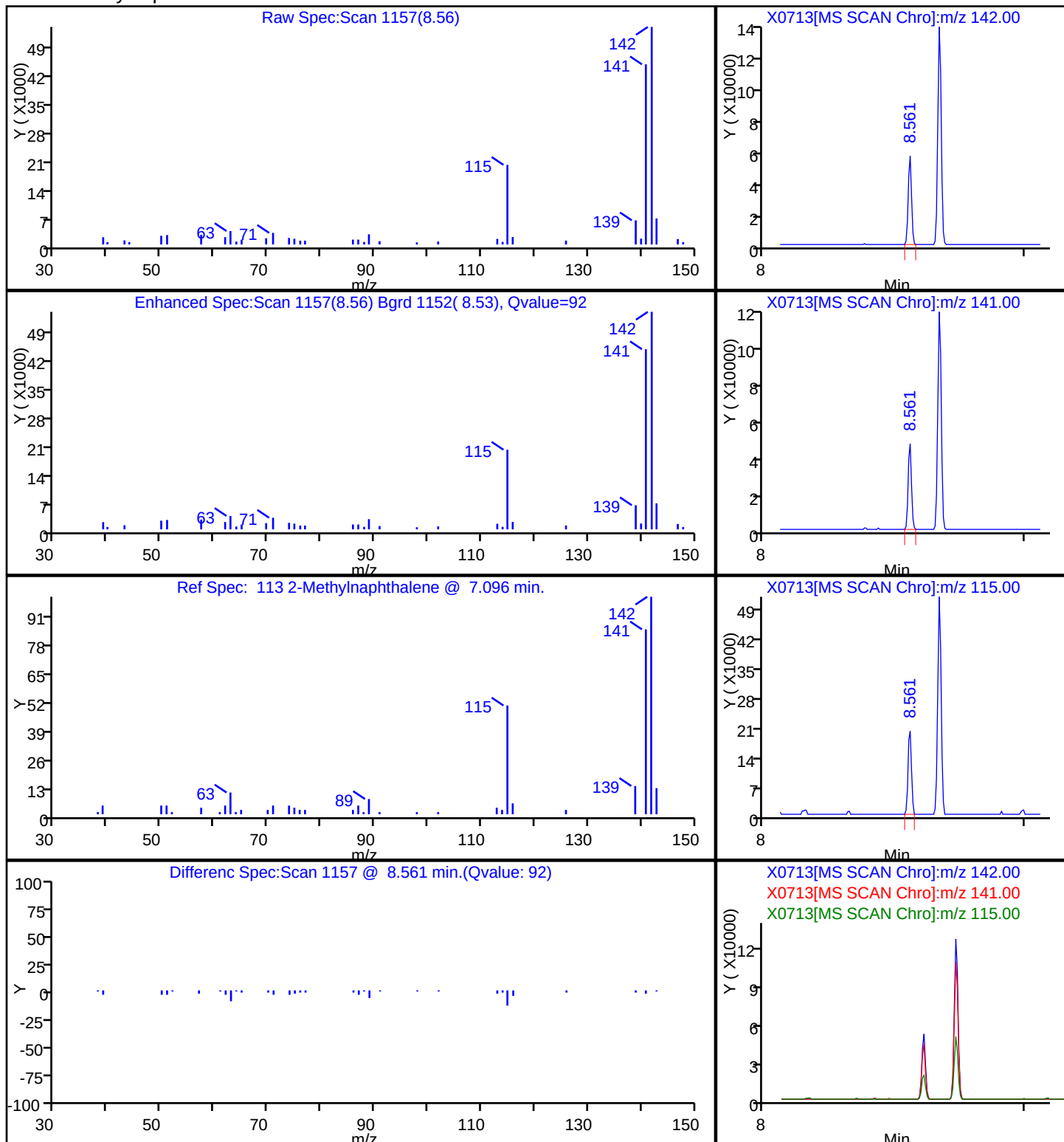
Operator ID: RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

113 2-Methylnaphthalene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1

SDG No.: _____

Client Sample ID: MW 3 DR DUP Lab Sample ID: 480-12393-3

Matrix: Water Lab File ID: X0714.D

Analysis Method: 8270C Date Collected: 11/03/2011 18:05

Extract. Method: 3510C Date Extracted: 11/07/2011 14:12

Sample wt/vol: 1060(mL) Date Analyzed: 11/10/2011 17:19

Con. Extract Vol.: 1(mL) Dilution Factor: 5

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

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 39801 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	34		24	1.9
208-96-8	Acenaphthylene	3.8	J	24	1.8
120-12-7	Anthracene	ND	*	24	1.3
56-55-3	Benz(a)anthracene	ND	*	24	1.7
50-32-8	Benzo(a)pyrene	ND	*	24	2.2
205-99-2	Benzo(b)fluoranthene	ND	*	24	1.6
191-24-2	Benzo(g,h,i)perylene	ND	*	24	1.7
207-08-9	Benzo(k)fluoranthene	ND		24	3.4
218-01-9	Chrysene	ND	*	24	1.6
53-70-3	Dibenz(a,h)anthracene	ND	*	24	2.0
206-44-0	Fluoranthene	ND	*	24	1.9
86-73-7	Fluorene	5.7	J	24	1.7
193-39-5	Indeno(1,2,3-c,d)pyrene	ND	*	24	2.2
91-20-3	Naphthalene	600		24	3.6
85-01-8	Phenanthrene	2.6	J *	24	2.1
129-00-0	Pyrene	ND		24	1.6
91-57-6	2-Methylnaphthalene	28		24	2.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	75		46-120
321-60-8	2-Fluorobiphenyl	93		48-120
1718-51-0	p-Terphenyl-d14	110		24-136

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20111110-7427.b\X0714.D
 Lims ID: 480-12393-A-3-A Client ID: MW 3 DR DUP
 Inject. Date: 10-Nov-2011 17:19:30 Dil. Factor: 5.0000
 Sample Type: Client
 Sample ID: 480-0007427-007
 Misc. Info.: 480-12393-A-3-A
 Operator: RJF Instrument ID: HP5973X
 Vol. Injected: 1.0000 ALS Bottle#: 7
 Lims Batch ID: 39801 Lims Sample ID: 7
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973X\20111110-7427.b\X-8270.m
 Last Update: 30-Nov-2011 11:47:43 Calib Date: 04-Nov-2011 14:17:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973X\20111104-7273.b\X0418.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: mckernar

Date: 11-Nov-2011 10:11:45

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.205	6.205	0.0	95	135615	40.0	
* 2 Naphthalene-d8	136	7.711	7.711	0.0	93	509326	40.0	
* 3 Acenaphthene-d10	164	9.773	9.768	0.005	63	275788	40.0	
* 4 Phenanthrene-d10	188	11.355	11.349	0.006	100	448052	40.0	
* 5 Chrysene-d12	240	13.743	13.743	0.0	99	532220	40.0	
* 6 Perylene-d12	264	15.003	15.003	0.0	99	624442	40.0	
\$ 9 Nitrobenzene-d5	82	6.867	6.862	0.005	96	69235	15.0	
\$ 10 2-Fluorobiphenyl	172	8.993	8.988	0.005	99	152810	18.6	
\$ 12 p-Terphenyl-d14	244	12.824	12.824	0.0	97	210429	22.0	
99 Naphthalene	128	7.738	7.733	0.005	98	1560117	127.6	
131 Acenaphthylene	152	9.608	9.597	0.011	47	8792	0.8146	
133 Acenaphthene	153	9.811	9.805	0.006	98	47414	7.19	
144 Fluorene	166	10.393	10.382	0.011	74	9102	1.20	
171 Phenanthrene	178	11.376	11.376	0.0	24	6408	0.5549	
172 Anthracene	178		11.424					
182 Fluoranthene	202		12.487					
185 Pyrene	202		12.690					
197 Benzo[a]anthracene	228		13.737					
199 Chrysene	228		13.769					
203 Benzo[b]fluoranthene	252		14.656					
204 Benzo[k]fluoranthene	252		14.677					
206 Benzo[a]pyrene	252		14.950					
208 Indeno[1,2,3-cd]pyrene	276		16.088					
209 Dibenz(a,h)anthracene	278		16.093					
210 Benzo[g,h,i]perylene	276		16.398					
113 2-Methylnaphthalene	142	8.561	8.550	0.011	93	46672	6.02	

Report Date: 30-Nov-2011 12:18:27

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20111110-7427.b\X0714.D

Injection Date: 10-Nov-2011 17:19:30

Limit Group: MB - 8270C ICAL

Client ID: MW 3 DR DUP

Instrument ID: HP5973X

Lims Batch ID: 39801

Lims Sample ID: 7

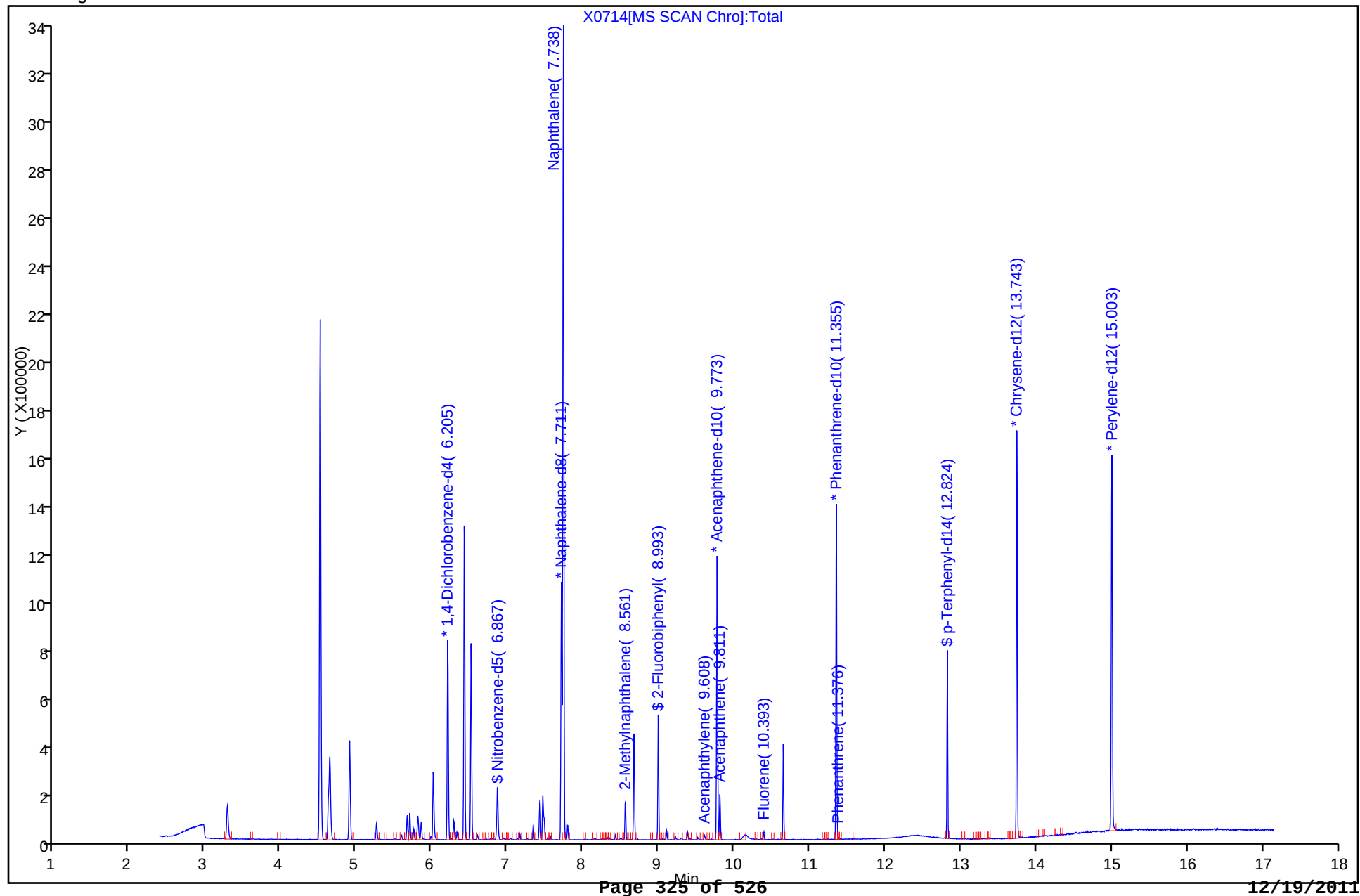
Operator ID: RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



Report Date: 30-Nov-2011 12:18:27

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20111110-7427.b\X0714.D

Injection Date: 10-Nov-2011 17:19:30

Limit Group: MB - 8270C ICAL

Client ID: MW 3 DR DUP

Instrument ID: HP5973X

Lims Batch ID: 39801

Lims Sample ID: 7

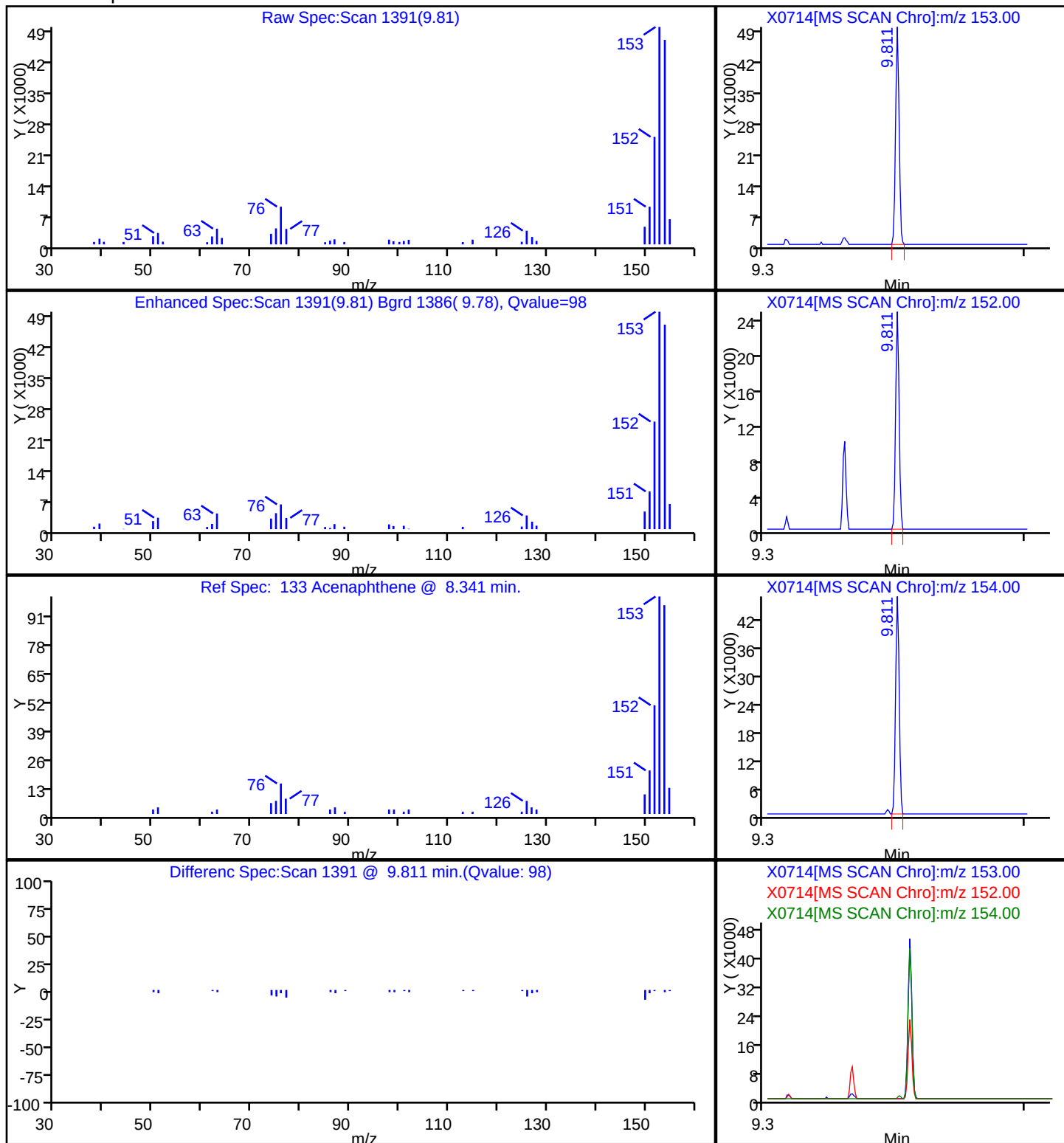
Operator ID: RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

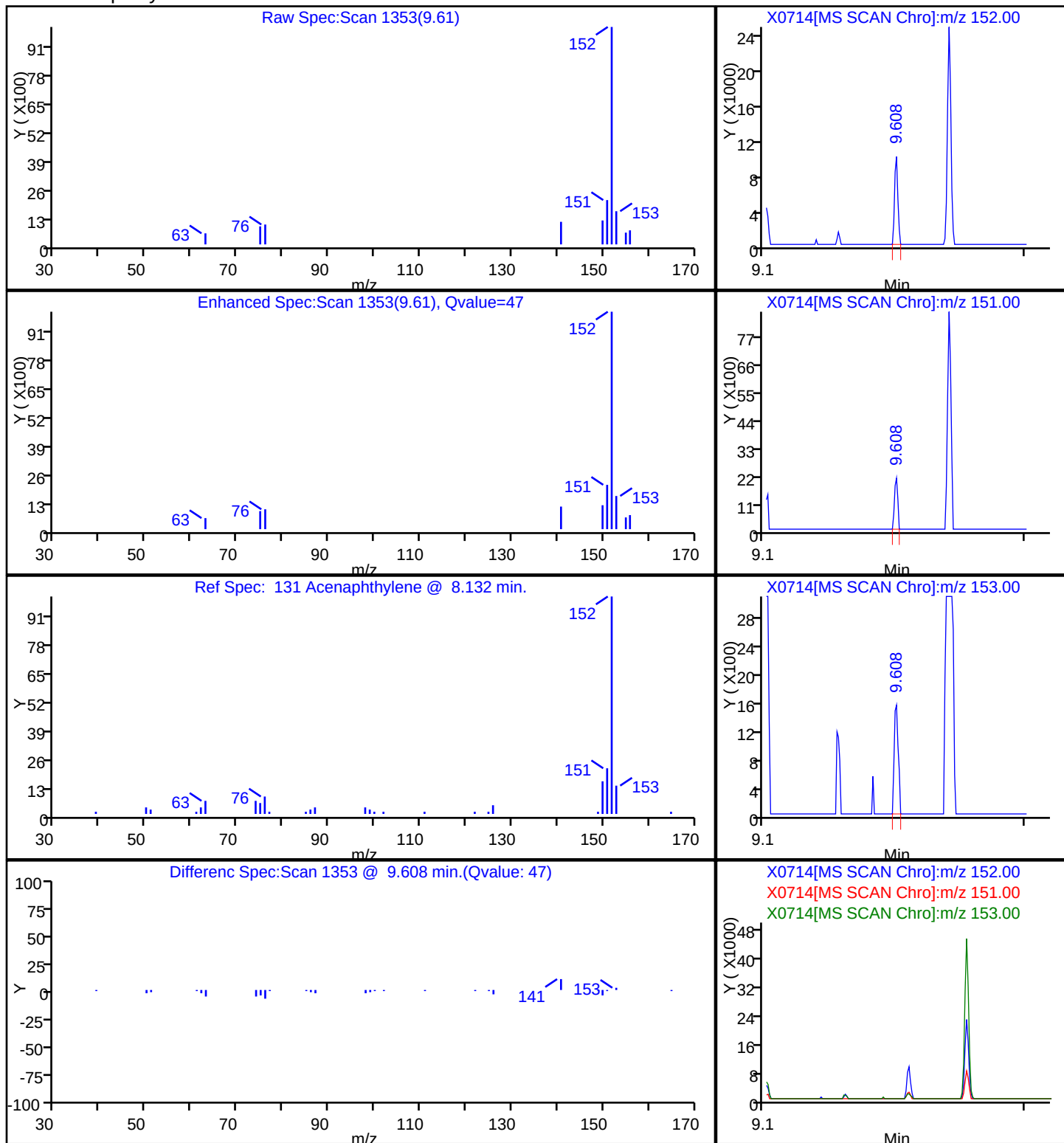
133 Acenaphthene



Report Date: 30-Nov-2011 12:18:27
Data File: \\Bufchrom\ChromData\HP5973X\20111110-7427.b\X0714.D
Injection Date: 10-Nov-2011 17:19:30
Client ID: MW 3 DR DUP
Lims Batch ID: 39801
Operator ID: RJF
Column Type: RXI-5Sil MS

Chrom Revision: 2.0 01-Sep-2011 14:10:00
Limit Group: MB - 8270C ICAL
Instrument ID: HP5973X
Lims Sample ID: 7
Injection Vol: 1.00 ul
Column Dia: 0.25 mm

131 Acenaphthylene



Data File: \\Bufchrom\ChromData\HP5973X\20111110-7427.b\X0714.D

Injection Date: 10-Nov-2011 17:19:30

Limit Group: MB - 8270C ICAL

Client ID: MW 3 DR DUP

Instrument ID: HP5973X

Lims Batch ID: 39801

Lims Sample ID: 7

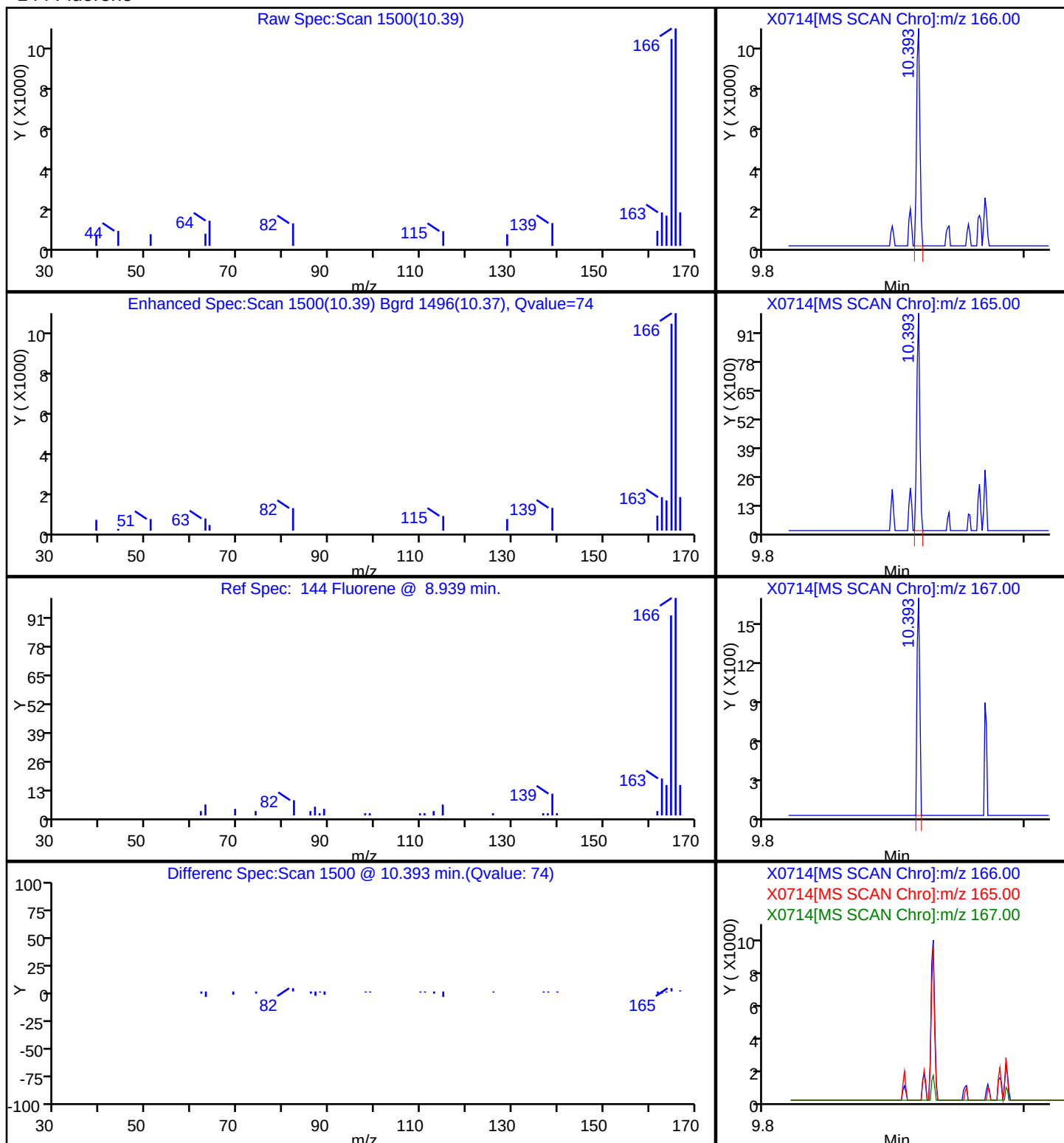
Operator ID: RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

144 Fluorene



Report Date: 30-Nov-2011 12:18:27

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20111110-7427.b\X0714.D

Injection Date: 10-Nov-2011 17:19:30

Limit Group: MB - 8270C ICAL

Client ID: MW 3 DR DUP

Instrument ID: HP5973X

Lims Batch ID: 39801

Lims Sample ID: 7

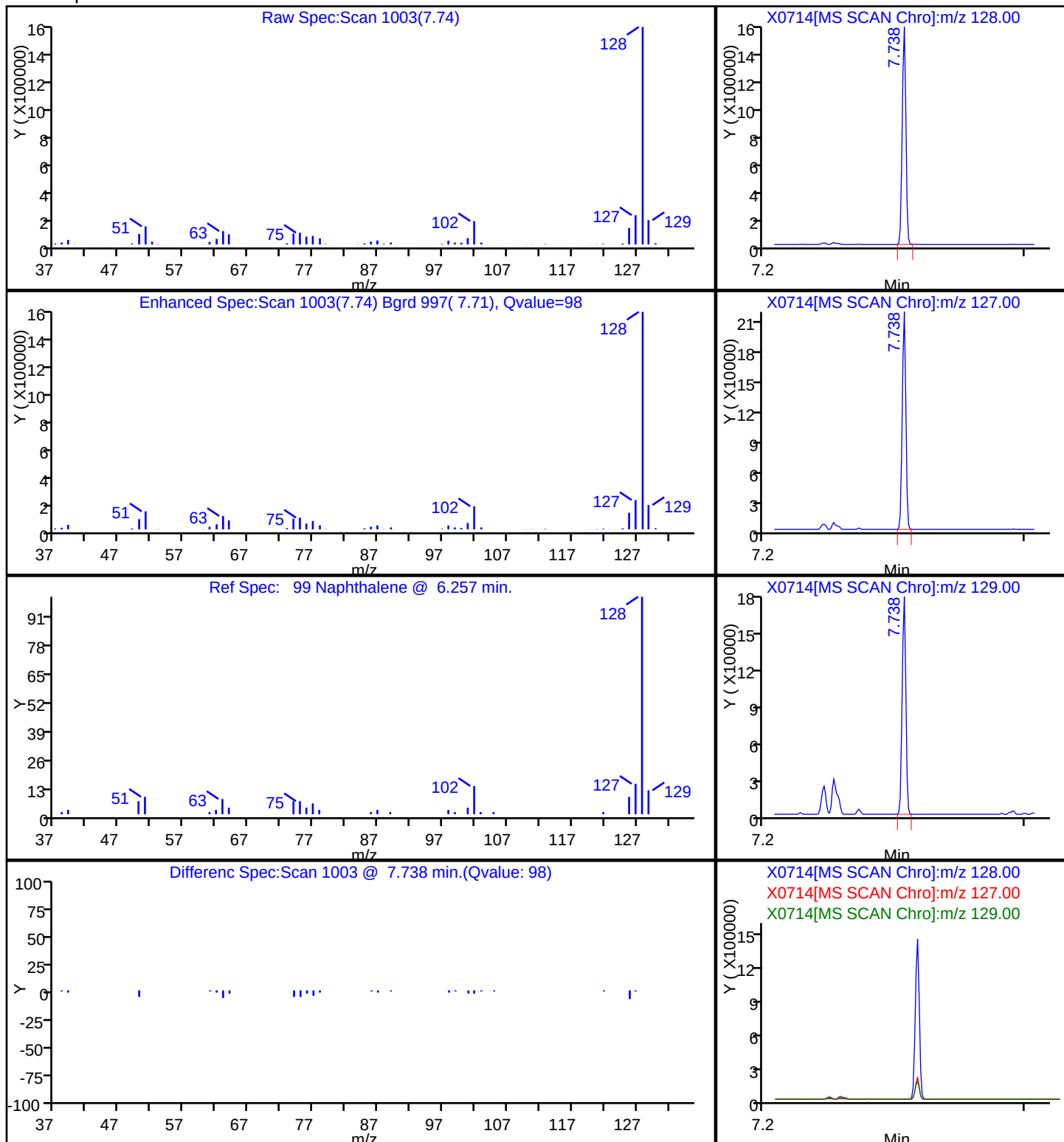
Operator ID: RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

99 Naphthalene



Report Date: 30-Nov-2011 12:18:27

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20111110-7427.b\X0714.D

Injection Date: 10-Nov-2011 17:19:30

Limit Group: MB - 8270C ICAL

Client ID: MW 3 DR DUP

Instrument ID: HP5973X

Lims Batch ID: 39801

Lims Sample ID: 7

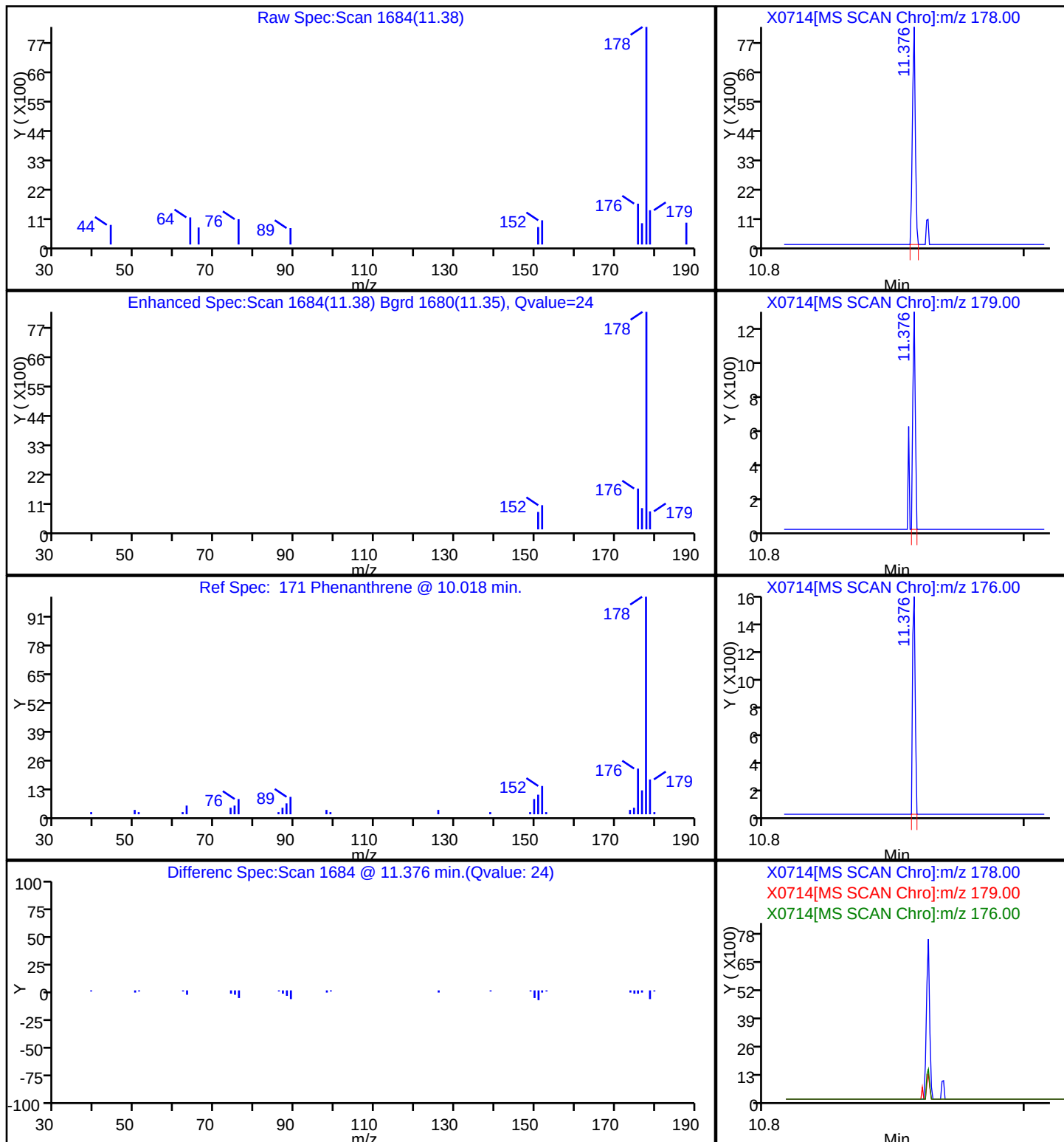
Operator ID: RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

171 Phenanthrene



Report Date: 30-Nov-2011 12:18:27

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20111110-7427.b\X0714.D

Injection Date: 10-Nov-2011 17:19:30

Limit Group: MB - 8270C ICAL

Client ID: MW 3 DR DUP

Instrument ID: HP5973X

Lims Batch ID: 39801

Lims Sample ID: 7

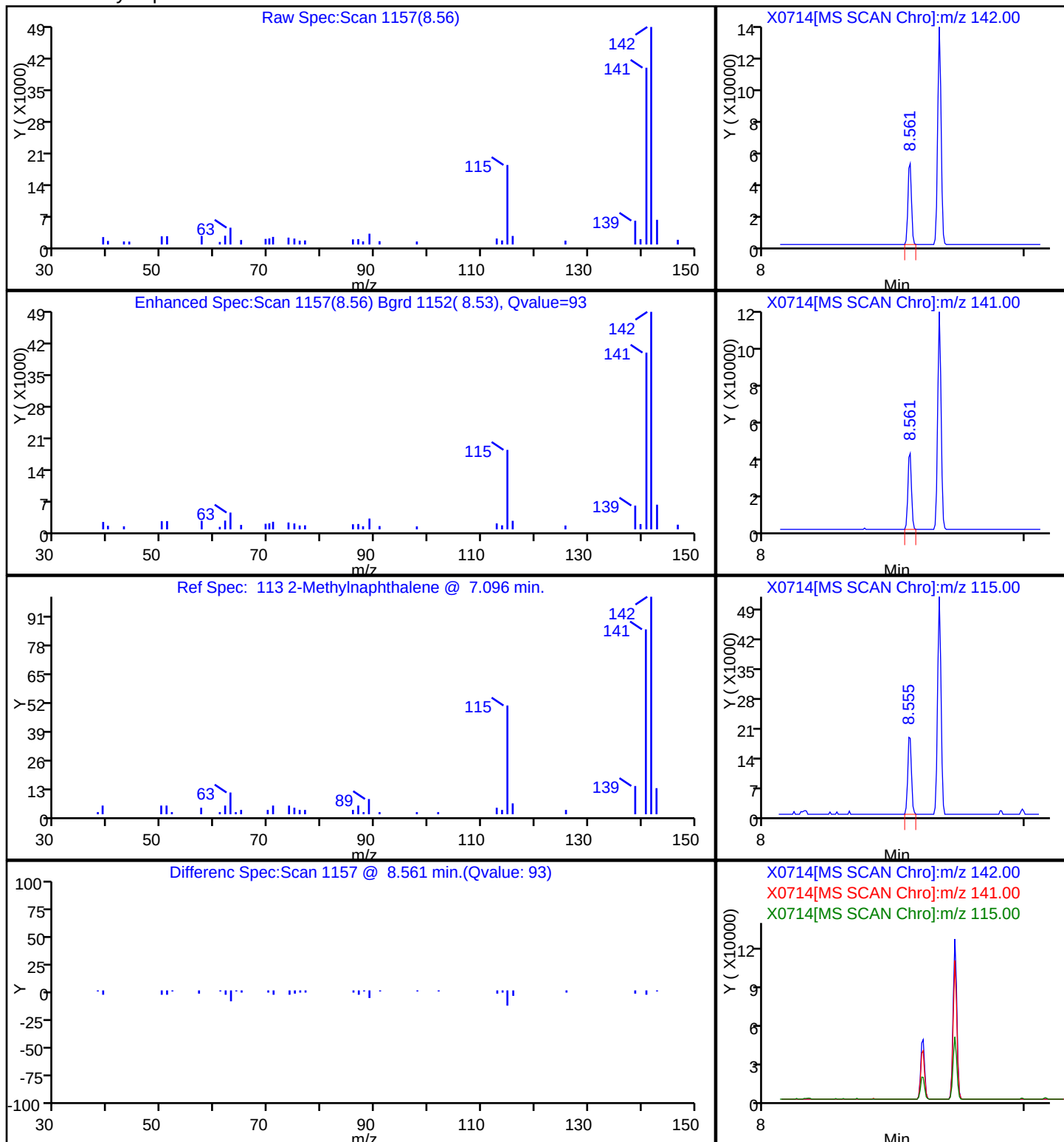
Operator ID: RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

113 2-Methylnaphthalene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1
 SDG No.: _____
 Client Sample ID: MW 8 DR Lab Sample ID: 480-12393-4
 Matrix: Water Lab File ID: X0715.D
 Analysis Method: 8270C Date Collected: 11/04/2011 12:10
 Extract. Method: 3510C Date Extracted: 11/07/2011 14:12
 Sample wt/vol: 950 (mL) Date Analyzed: 11/10/2011 17:42
 Con. Extract Vol.: 1 (mL) Dilution Factor: 100
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 39801 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	170	J	530	43
208-96-8	Acenaphthylene	ND		530	40
120-12-7	Anthracene	ND	*	530	29
56-55-3	Benz (a) anthracene	ND	*	530	38
50-32-8	Benzo (a) pyrene	ND	*	530	49
205-99-2	Benzo (b) fluoranthene	ND	*	530	36
191-24-2	Benzo (g, h, i) perylene	ND	*	530	37
207-08-9	Benzo (k) fluoranthene	ND		530	77
218-01-9	Chrysene	ND	*	530	35
53-70-3	Dibenz (a, h) anthracene	ND	*	530	44
206-44-0	Fluoranthene	ND	*	530	42
86-73-7	Fluorene	43	J	530	38
193-39-5	Indeno (1, 2, 3-c, d) pyrene	ND	*	530	49
91-20-3	Naphthalene	6500		530	80
85-01-8	Phenanthrene	49	J *	530	46
129-00-0	Pyrene	ND		530	36
91-57-6	2-Methylnaphthalene	690		530	63

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	79		46-120
321-60-8	2-Fluorobiphenyl	106		48-120
1718-51-0	p-Terphenyl-d14	82		24-136

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20111110-7427.b\X0715.D
 Lims ID: 480-12393-B-4-A Client ID: MW 8 DR
 Inject. Date: 10-Nov-2011 17:42:30 Dil. Factor: 100.0000
 Sample Type: Client
 Sample ID: 480-0007427-008
 Misc. Info.: 480-12393-B-4-A
 Operator: RJF Instrument ID: HP5973X
 Vol. Injected: 1.0000 ALS Bottle#: 8
 Lims Batch ID: 39801 Lims Sample ID: 8
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973X\20111110-7427.b\X-8270.m
 Last Update: 30-Nov-2011 11:47:43 Calib Date: 04-Nov-2011 14:17:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973X\20111104-7273.b\X0418.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: mckernar

Date: 11-Nov-2011 10:12:31

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.205	6.205	0.0	96	151496	40.0	
* 2 Naphthalene-d8	136	7.711	7.711	0.0	93	572591	40.0	
* 3 Acenaphthene-d10	164	9.773	9.768	0.005	53	306492	40.0	
* 4 Phenanthrene-d10	188	11.355	11.349	0.006	100	494193	40.0	
* 5 Chrysene-d12	240	13.743	13.743	0.0	99	576958	40.0	
* 6 Perylene-d12	264	15.004	15.003	0.001	99	673462	40.0	
\$ 9 Nitrobenzene-d5	82	6.867	6.862	0.005	27	4102	0.7913	
\$ 10 2-Fluorobiphenyl	172	8.999	8.988	0.011	46	9672	1.06	
\$ 12 p-Terphenyl-d14	244	12.824	12.824	0.0	22	8533	0.8239	
99 Naphthalene	128	7.738	7.733	0.005	98	846830	61.6	
131 Acenaphthylene	152		9.597					
133 Acenaphthene	153	9.811	9.805	0.006	81	11945	1.63	
144 Fluorene	166	10.393	10.382	0.011	61	3432	0.4088	
171 Phenanthrene	178	11.376	11.376	0.0	24	5877	0.4614	
172 Anthracene	178		11.424					
182 Fluoranthene	202		12.487					
185 Pyrene	202		12.690					
197 Benzo[a]anthracene	228		13.737					
199 Chrysene	228		13.769					
203 Benzo[b]fluoranthene	252		14.656					
204 Benzo[k]fluoranthene	252		14.677					
206 Benzo[a]pyrene	252		14.950					
208 Indeno[1,2,3-cd]pyrene	276		16.088					
209 Dibenz(a,h)anthracene	278		16.093					
210 Benzo[g,h,i]perylene	276		16.398					
113 2-Methylnaphthalene	142	8.561	8.550	0.011	97	57456	6.59	

Report Date: 30-Nov-2011 12:18:53

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20111110-7427.b\X0715.D

Injection Date: 10-Nov-2011 17:42:30

Limit Group: MB - 8270C ICAL

Client ID: MW 8 DR

Instrument ID: HP5973X

Lims Batch ID: 39801

Lims Sample ID: 8

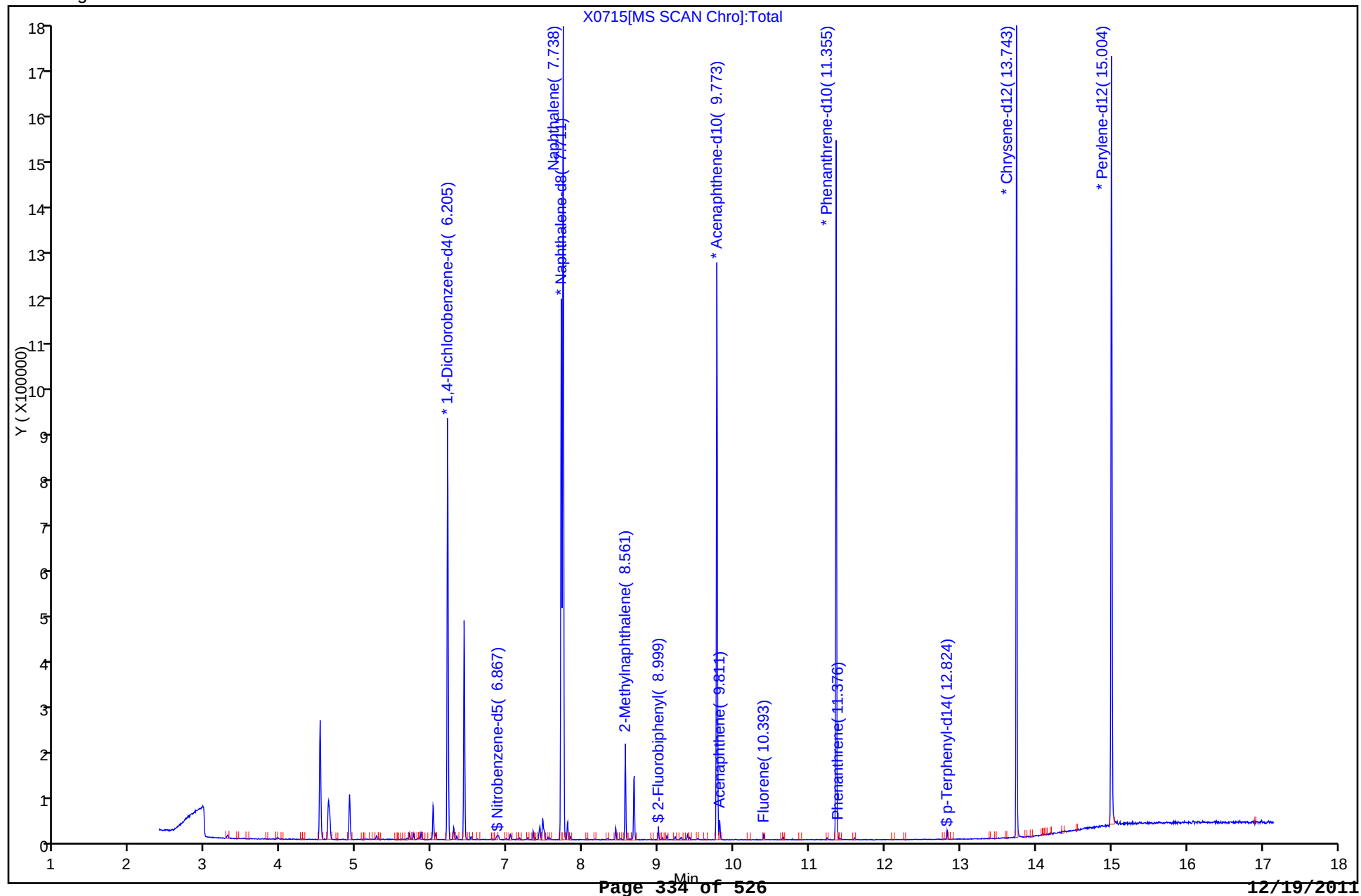
Operator ID: RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



Report Date: 30-Nov-2011 12:18:53

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20111110-7427.b\X0715.D

Injection Date: 10-Nov-2011 17:42:30

Limit Group: MB - 8270C ICAL

Client ID: MW 8 DR

Instrument ID: HP5973X

Lims Batch ID: 39801

Lims Sample ID: 8

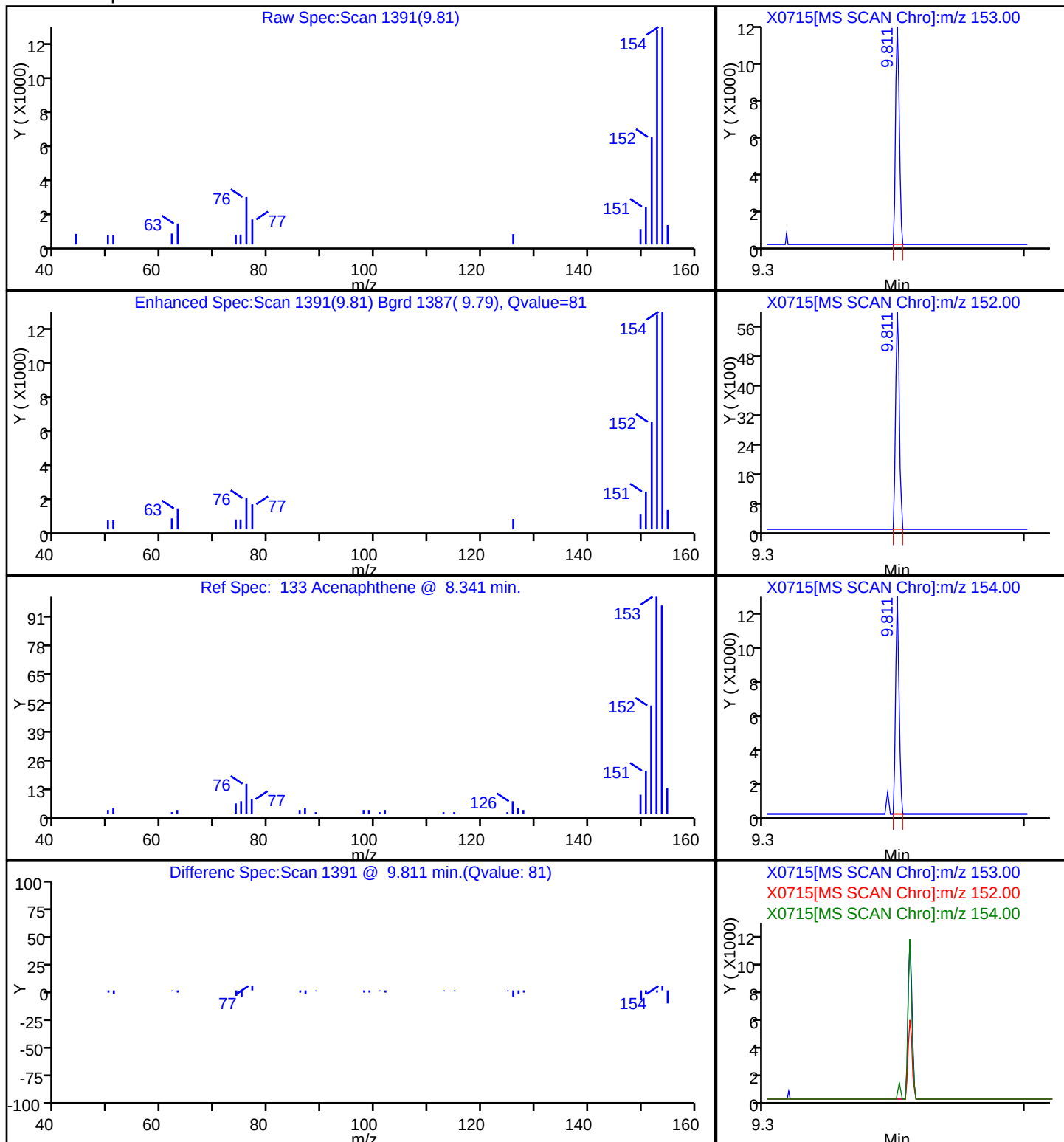
Operator ID: RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

133 Acenaphthene



Report Date: 30-Nov-2011 12:18:53

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20111110-7427.b\X0715.D

Injection Date: 10-Nov-2011 17:42:30

Limit Group: MB - 8270C ICAL

Client ID: MW 8 DR

Instrument ID: HP5973X

Lims Batch ID: 39801

Lims Sample ID: 8

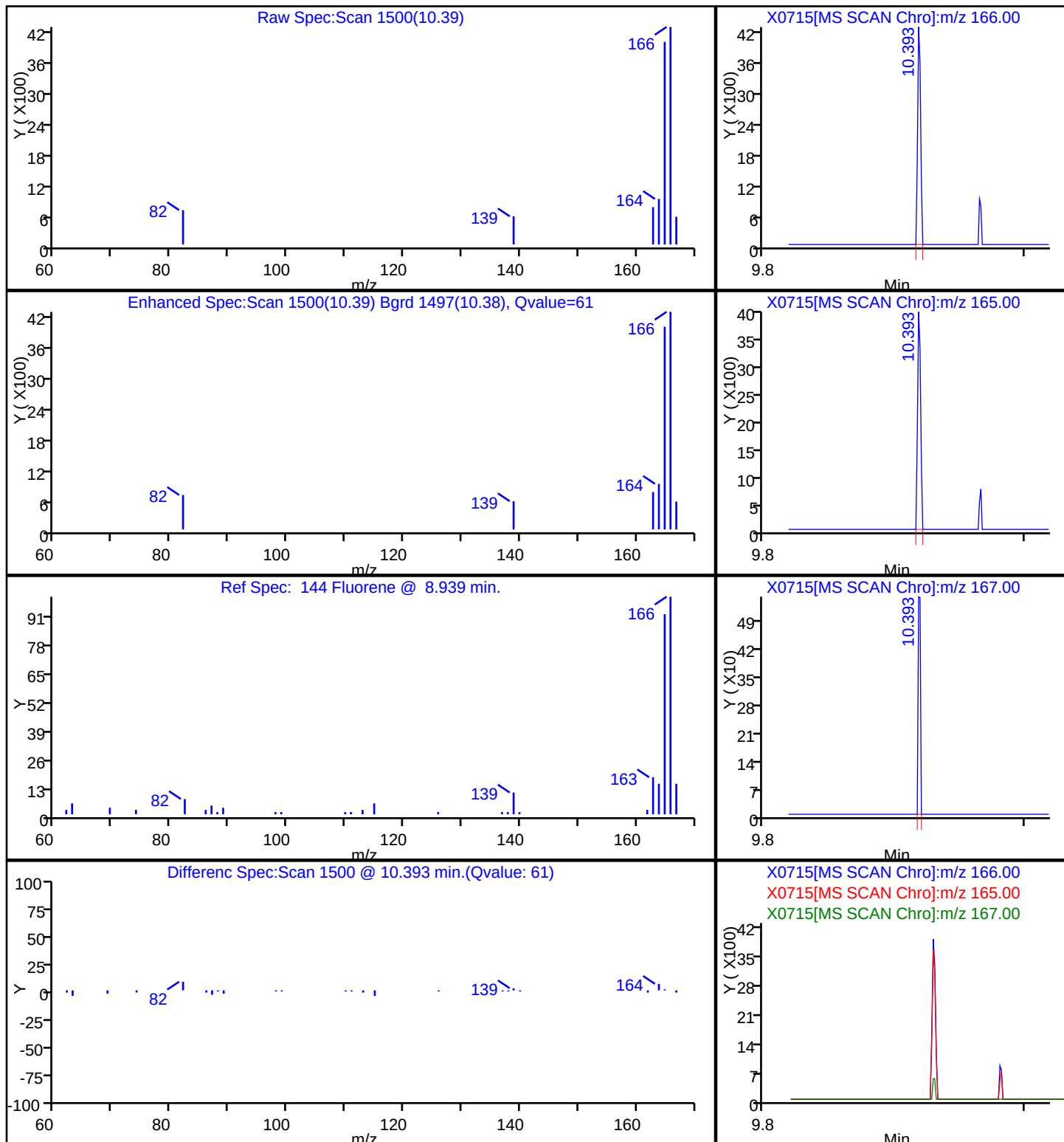
Operator ID: RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

144 Fluorene



Report Date: 30-Nov-2011 12:18:53

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20111110-7427.b\X0715.D

Injection Date: 10-Nov-2011 17:42:30

Limit Group: MB - 8270C ICAL

Client ID: MW 8 DR

Instrument ID: HP5973X

Lims Batch ID: 39801

Lims Sample ID: 8

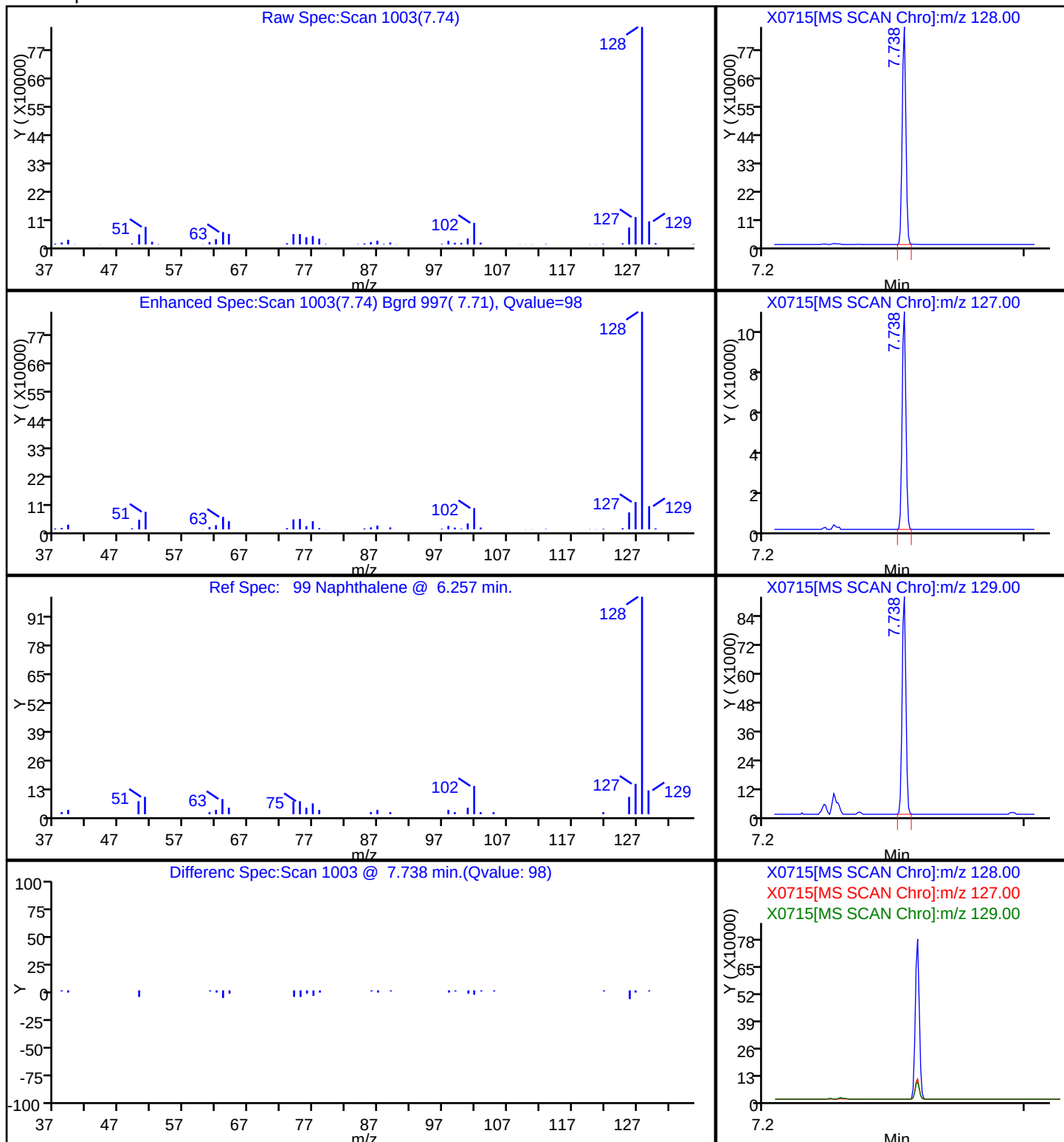
Operator ID: RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

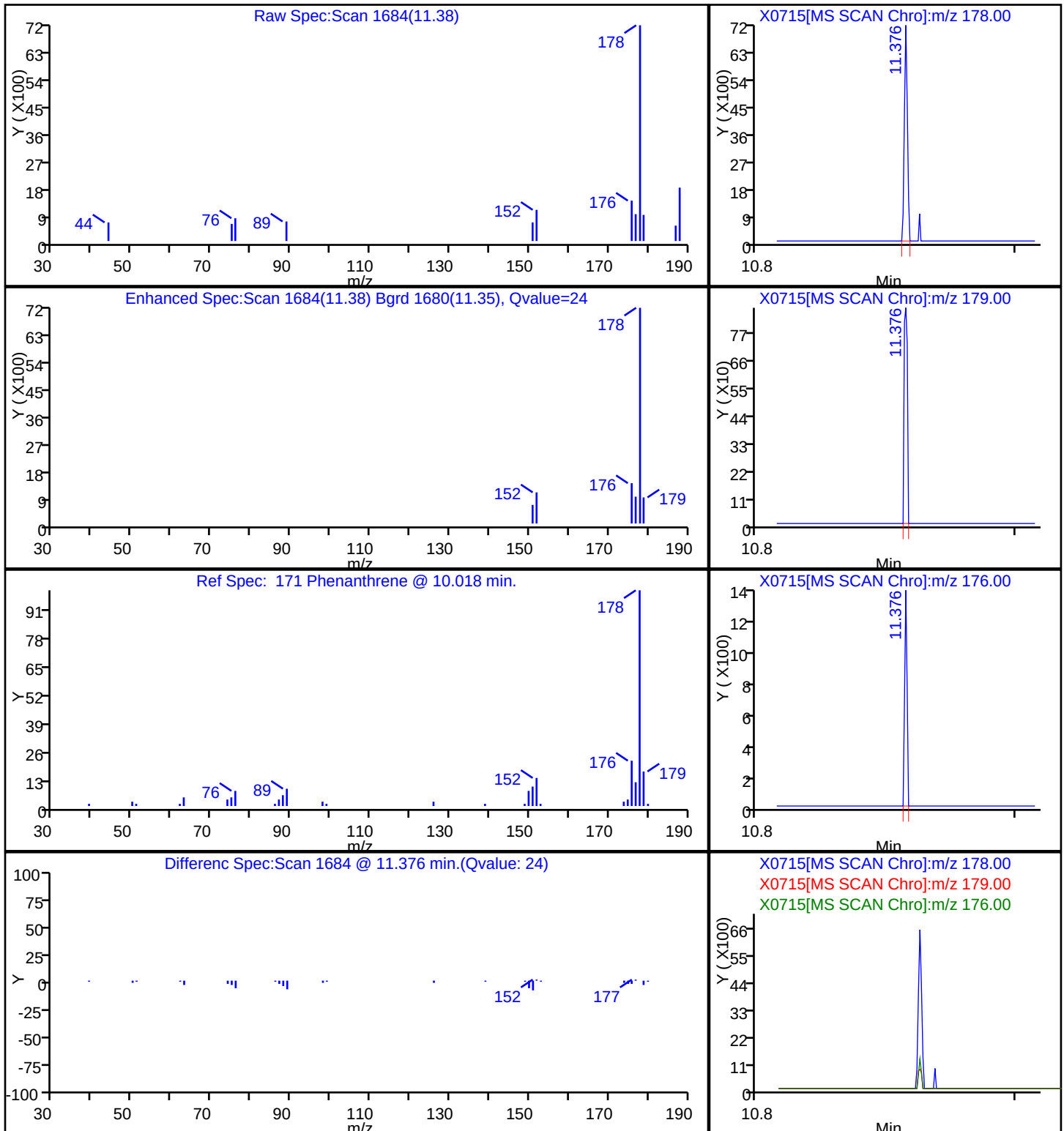
99 Naphthalene



Report Date: 30-Nov-2011 12:18:53
Data File: \\Bufchrom\ChromData\HP5973X\20111110-7427.b\X0715.D
Injection Date: 10-Nov-2011 17:42:30
Client ID: MW 8 DR
Lims Batch ID: 39801
Operator ID: RJF
Column Type: RXI-5Sil MS

Chrom Revision: 2.0 01-Sep-2011 14:10:00
Limit Group: MB - 8270C ICAL
Instrument ID: HP5973X
Lims Sample ID: 8
Injection Vol: 1.00 ul
Column Dia: 0.25 mm

171 Phenanthrene



Report Date: 30-Nov-2011 12:18:53

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20111110-7427.b\X0715.D

Injection Date: 10-Nov-2011 17:42:30

Limit Group: MB - 8270C ICAL

Client ID: MW 8 DR

Instrument ID: HP5973X

Lims Batch ID: 39801

Lims Sample ID: 8

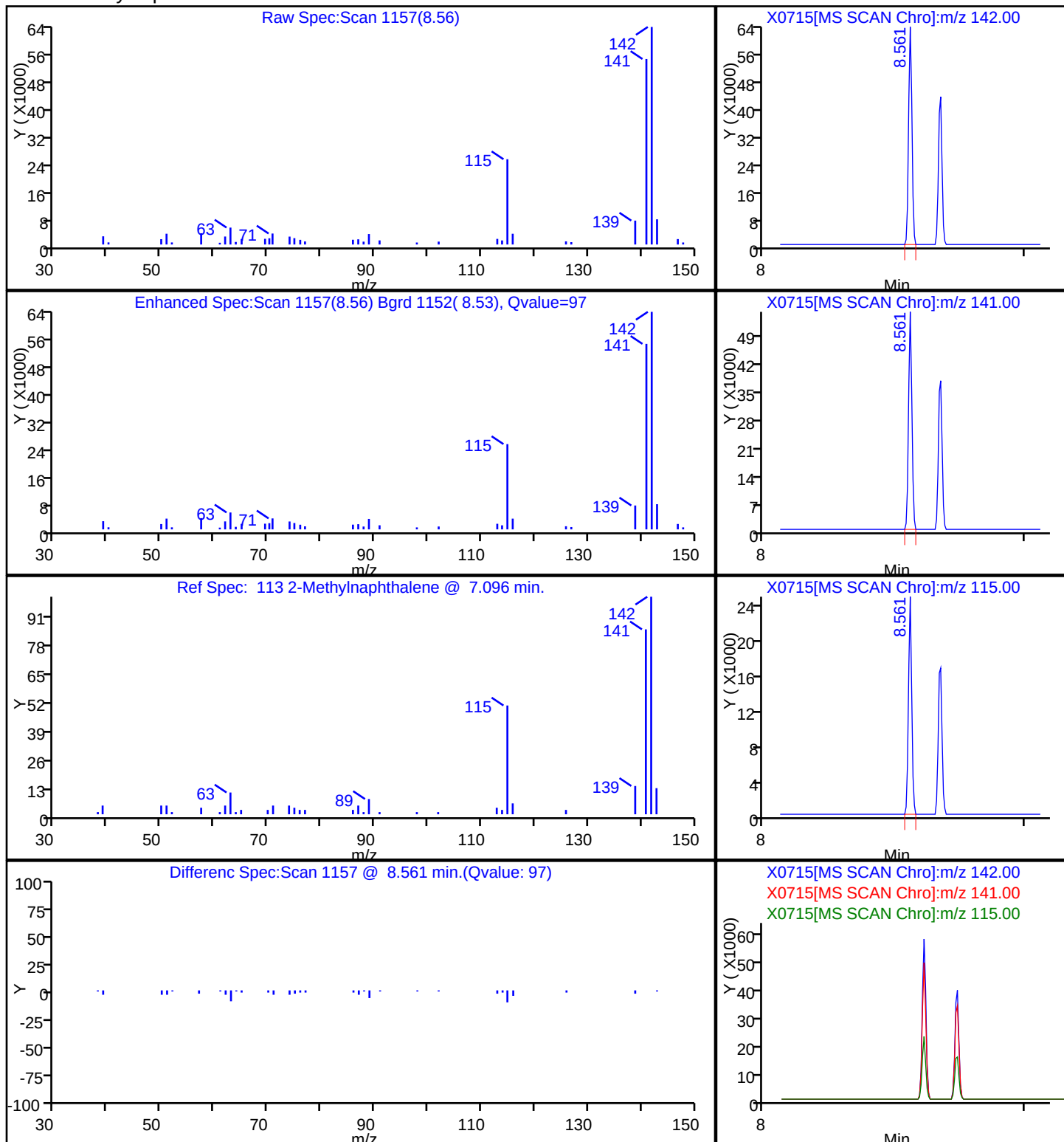
Operator ID: RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

113 2-Methylnaphthalene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1

SDG No.: _____

Client Sample ID: EB-1 Lab Sample ID: 480-12393-5

Matrix: Water Lab File ID: X0646.D

Analysis Method: 8270C Date Collected: 11/04/2011 12:00

Extract. Method: 3510C Date Extracted: 11/07/2011 14:12

Sample wt/vol: 1030 (mL) Date Analyzed: 11/09/2011 23:13

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.: 39590 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	0.71
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	6.1		4.9	0.74
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	0.58

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	78		46-120
321-60-8	2-Fluorobiphenyl	82		48-120
1718-51-0	p-Terphenyl-d14	90		24-136

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20111109-7399.b\X0646.D
 Lims ID: 480-12393-B-5-A Client ID: EB-1
 Inject. Date: 09-Nov-2011 23:13:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-0007399-029
 Misc. Info.: 480-12393-B-5-A
 Operator: RJF Instrument ID: HP5973X
 Vol. Injected: 1.0000 ALS Bottle#: 31
 Lims Batch ID: 39590 Lims Sample ID: 29
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973X\20111109-7399.b\X-8270.m
 Last Update: 10-Nov-2011 11:05:21 Calib Date: 04-Nov-2011 14:17:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973X\20111104-7273.b\X0418.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: WilkesD

Date: 30-Nov-2011 12:08:00

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.210	6.210	0.0	96	171576	40.0	
* 2 Naphthalene-d8	136	7.717	7.717	0.0	93	653478	40.0	
* 3 Acenaphthene-d10	164	9.773	9.773	0.0	56	355303	40.0	
* 4 Phenanthrene-d10	188	11.355	11.355	0.0	99	576987	40.0	
* 5 Chrysene-d12	240	13.748	13.748	0.0	100	684678	40.0	
* 6 Perylene-d12	264	15.003	15.009	-0.006	99	806760	40.0	
\$ 9 Nitrobenzene-d5	82	6.867	6.867	0.0	96	460192	77.8	
\$ 10 2-Fluorobiphenyl	172	8.993	8.993	0.0	100	866594	82.1	
\$ 12 p-Terphenyl-d14	244	12.829	12.829	0.0	97	1112629	90.5	
99 Naphthalene	128	7.738	7.738	0.0	80	98082	6.25	
131 Acenaphthylene	152		9.602					
133 Acenaphthene	153		9.805					
144 Fluorene	166		10.388					
171 Phenanthrene	178		11.376					
172 Anthracene	178		11.429					
182 Fluoranthene	202		12.492					
185 Pyrene	202		12.695					
197 Benzo[a]anthracene	228		13.737					
199 Chrysene	228		13.775					
203 Benzo[b]fluoranthene	252		14.661					
204 Benzo[k]fluoranthene	252		14.683					
206 Benzo[a]pyrene	252		14.955					
208 Indeno[1,2,3-cd]pyrene	276		16.098					
209 Dibenz(a,h)anthracene	278		16.098					
210 Benzo[g,h,i]perylene	276		16.408					
113 2-Methylnaphthalene	142		8.555					

Report Date: 30-Nov-2011 12:08:00

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20111109-7399.b\X0646.D

Injection Date: 09-Nov-2011 23:13:30

Limit Group: MB - 8270C ICAL

Client ID: EB-1

Instrument ID: HP5973X

Lims Batch ID: 39590

Lims Sample ID: 29

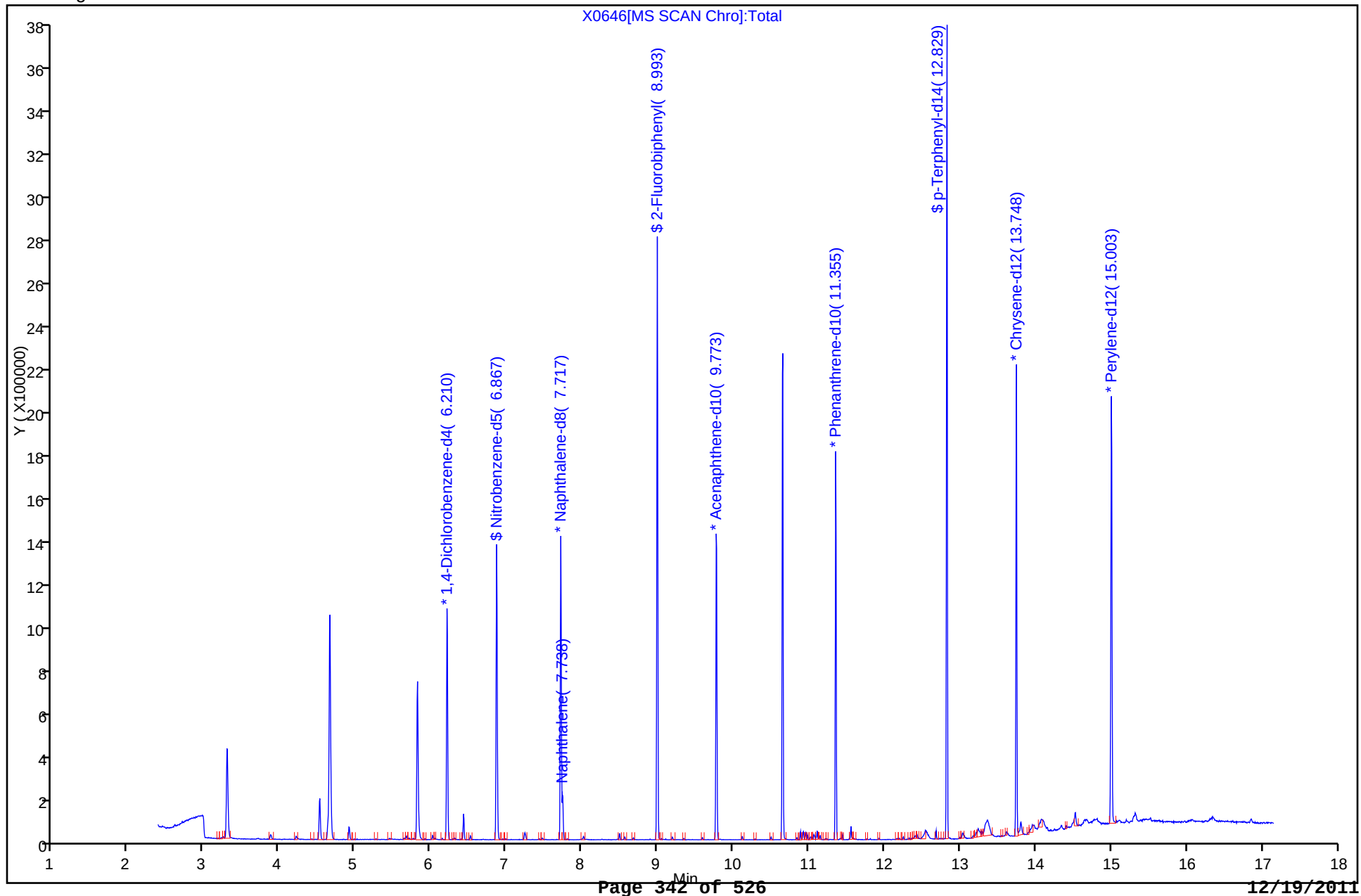
Operator ID: RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



Report Date: 30-Nov-2011 12:08:00

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20111109-7399.b\X0646.D

Injection Date: 09-Nov-2011 23:13:30

Limit Group: MB - 8270C ICAL

Client ID: EB-1

Instrument ID: HP5973X

Lims Batch ID: 39590

Lims Sample ID: 29

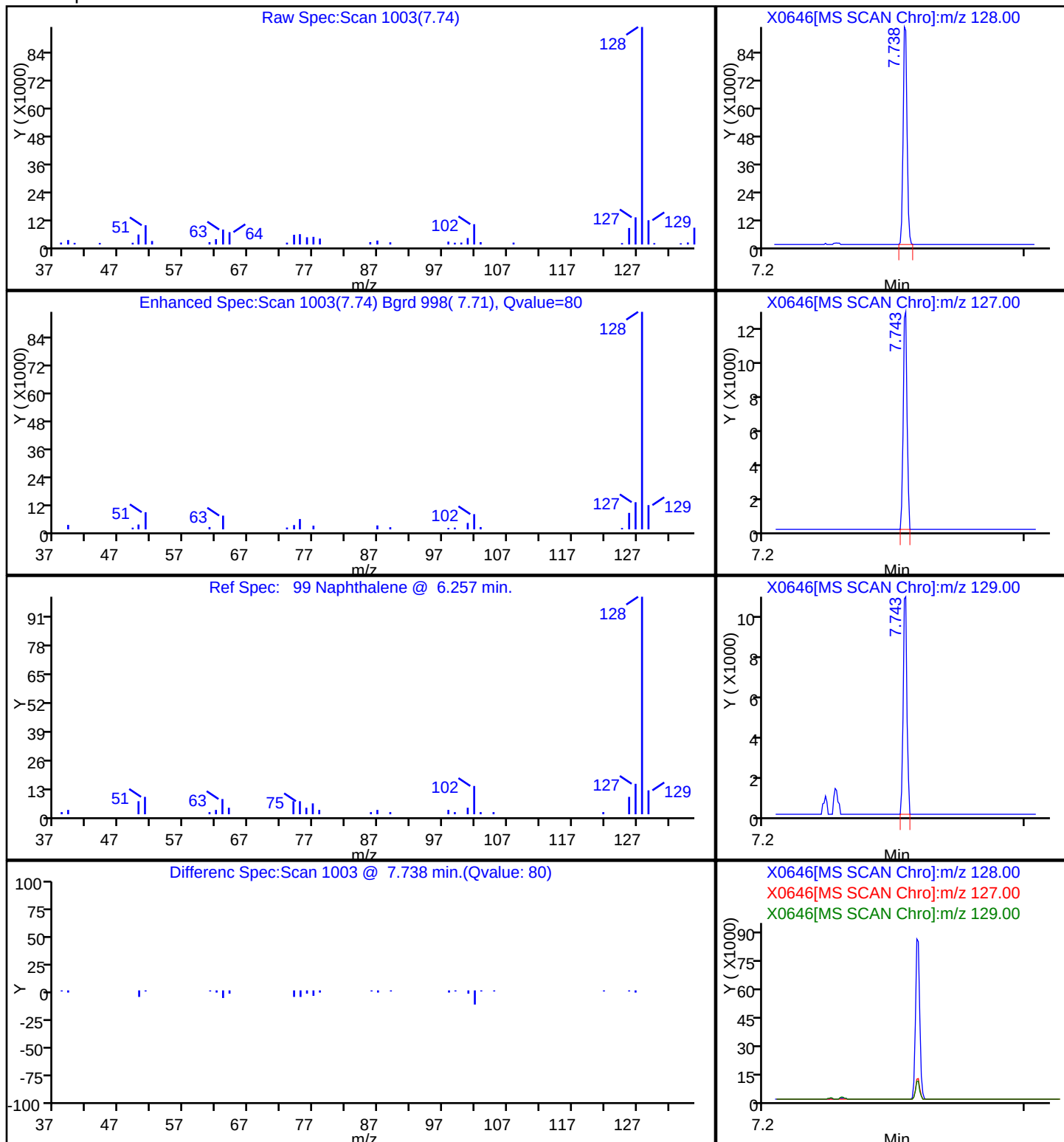
Operator ID: RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

99 Naphthalene



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

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1 Analy Batch No.: 38940

SDG No.: _____

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 12:23 Calibration End Date: 11/04/2011 14:17 Calibration ID: 4660

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-38940/7	X0418.D
Level 2	IC 480-38940/6	X0417.D
Level 3	ICIS 480-38940/5	X0416.D
Level 4	IC 480-38940/4	X0415.D
Level 5	IC 480-38940/3	X0414.D
Level 6	IC 480-38940/2	X0413.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	1.0595 0.8359	0.8960	0.9045	0.9055	0.8444	Ave		0.9076				8.9		15.0			
Pyridine	1.4362 1.3435	1.4815	1.4494	1.4463	1.3641	Ave		1.4201				3.8		15.0			
Aniline	2.3740 1.7369	2.2519	2.1204	2.0383	1.7917	Ave		2.0522				12.0		15.0			
Phenol	2.0456 1.6274	1.9964	1.9277	1.8583	1.6677	Ave		1.8538				9.3		15.0			
Bis (2-chloroethyl) ether	1.5648 1.3459	1.4854	1.4647	1.4531	1.3762	Ave		1.4484				5.4		15.0			
2-Chlorophenol	1.5798 1.3516	1.5400	1.5195	1.5039	1.3841	Ave		1.4798				6.1		15.0			
1,3-Dichlorobenzene	1.6597 1.3592	1.6194	1.5769	1.5491	1.3832	Ave		1.5246				8.2		15.0			
1,4-Dichlorobenzene	1.6811 1.3729	1.6443	1.5894	1.5704	1.3974	Ave		1.5426				8.3		15.0			
Benzyl alcohol	0.9426 0.8053	0.9710	0.9429	0.9368	0.8420	Ave		0.9068				7.3		15.0			
1,2-Dichlorobenzene	1.6076 1.2684	1.5526	1.4857	1.4555	1.2991	Ave		1.4448				9.4		15.0			
2-Methylphenol	1.2804 1.0599	1.2823	1.2604	1.2282	1.0867	Ave		1.1997				8.3		15.0			
bis (2-chloroisopropyl) ether	2.2881 1.6797	2.1966	2.0896	2.0220	1.7316	Qua	1.6288	2.2095	-0.004						0.9980		0.9900
N-Nitrosodi-n-propylamine	0.9198 0.8844	0.9793	0.9869	0.9801	0.9127	Ave		0.9439			0.0500	4.6		15.0			
4-Methylphenol	1.3145 1.1806	1.3377	1.3229	1.3237	1.2186	Ave		1.2830				5.2		15.0			
Hexachloroethane	0.5647 0.5150	0.5861	0.5796	0.5683	0.5223	Ave		0.5560				5.4		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 EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1 Analy Batch No.: 38940

SDG No.: _____

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 12:23 Calibration End Date: 11/04/2011 14:17 Calibration ID: 4660

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Nitrobenzene	0.3707 0.3485	0.3872	0.3782	0.3748	0.3494	Ave		0.3681				4.3		15.0			
Isophorone	0.6304 0.6013	0.6754	0.6672	0.6505	0.6061	Ave		0.6385				4.9		15.0			
2-Nitrophenol	0.1746 0.1896	0.1948	0.2026	0.2035	0.1919	Ave		0.1929				5.5		15.0			
2,4-Dimethylphenol	0.3596 0.3193	0.3672	0.3577	0.3591	0.3284	Ave		0.3485				5.6		15.0			
Tetraethyl lead	0.1549 0.1189	0.1596	0.1475	0.1398	0.1222	Ave		0.1405				12.0		15.0			
Bis(2-chloroethoxy)methane	0.4310 0.3571	0.4211	0.4076	0.3989	0.3639	Ave		0.3966				7.6		15.0			
2,4-Dichlorophenol	0.3125 0.2575	0.3131	0.3032	0.2875	0.2610	Ave		0.2891				8.6		15.0			
Benzoic acid	0.2813 0.2896	0.2738	0.2816	0.2924	0.2954	Ave		0.2857				2.9		15.0			
1,2,4-Trichlorobenzene	0.3358 0.2724	0.3315	0.3146	0.3084	0.2748	Ave		0.3063				8.9		15.0			
Naphthalene	1.0974 0.8290	1.0540	0.9897	0.9480	0.8447	Ave		0.9605				11.0		15.0			
4-Chloroaniline	0.4500 0.3881	0.4516	0.4428	0.4344	0.3922	Ave		0.4265				6.8		15.0			
Hexachlorobutadiene	0.1957 0.1639	0.1976	0.1884	0.1832	0.1661	Ave		0.1825				8.0		15.0			
4-Chloro-3-methylphenol	0.2902 0.2645	0.2919	0.2977	0.2903	0.2703	Ave		0.2842				4.7		15.0			
2-Methylnaphthalene	0.6763 0.5276	0.6625	0.6328	0.6107	0.5424	Ave		0.6087				10.0		15.0			
Hexachlorocyclopentadiene	0.3274 0.3601	0.3733	0.3960	0.3940	0.3622	Ave		0.3688			0.0500	6.9		15.0			
2,4,6-Trichlorophenol	0.3601 0.3423	0.3846	0.3847	0.3792	0.3476	Ave		0.3664				5.2		15.0			
2,4,5-Trichlorophenol	0.3707 0.3665	0.4053	0.4190	0.4120	0.3778	Ave		0.3919				5.8		15.0			
2-Chloronaphthalene	1.1855 0.9512	1.1666	1.1223	1.0863	0.9578	Ave		1.0783				9.5		15.0			
2-Nitroaniline	0.2775 0.3176	0.3293	0.3384	0.3370	0.3189	Ave		0.3198				7.0		15.0			
Dimethyl phthalate	1.3501 1.1213	1.3427	1.3144	1.2746	1.1586	Ave		1.2603				7.7		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1 Analy Batch No.: 38940

SDG No.: _____

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 12:23 Calibration End Date: 11/04/2011 14:17 Calibration ID: 4660

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	0.2434 0.2824	0.2877	0.2958	0.3047	0.2854	Ave		0.2832				7.5		15.0			
Acenaphthylene	1.6716 1.3748	1.7056	1.6456	1.5896	1.4058	Ave		1.5655				9.0		15.0			
3-Nitroaniline	0.2764 0.3091	0.3257	0.3350	0.3388	0.3161	Ave		0.3169				7.2		15.0			
Acenaphthene	1.0624 0.8364	1.0384	0.9866	0.9581	0.8545	Ave		0.9561				9.8		15.0			
2,4-Dinitrophenol	0.0577 0.1680	0.0885	0.1404	0.1645	0.1722	Lin1	-1.425	0.1787			0.0500				0.9970		0.9900
4-Nitrophenol	0.1672 0.1874	0.1732	0.1920	0.1934	0.1907	Ave		0.1840			0.0500	6.0		15.0			
2,4-Dinitrotoluene	0.3606 0.3340	0.3917	0.3997	0.3939	0.3412	Ave		0.3702				7.8		15.0			
Dibenzofuran	1.6676 1.1482	1.5904	1.4993	1.3970	1.1963	Ave		1.4165				15.0		15.0			
Diethyl phthalate	1.2521 1.0156	1.2482	1.2027	1.1638	1.0374	Ave		1.1533				9.0		15.0			
Fluorene	1.2841 0.8945	1.2462	1.1546	1.0784	0.9158	Ave		1.0956				15.0		15.0			
4-Chlorophenyl phenyl ether	0.6832 0.4379	0.6199	0.5663	0.5274	0.4473	Qua	1.3079	0.5672	-0.001						0.9960		0.9900
4-Nitroaniline	0.2966 0.3126	0.3254	0.3338	0.3365	0.3213	Ave		0.3210				4.6		15.0			
4,6-Dinitro-2-methylphenol	0.1001 0.1521	0.1250	0.1551	0.1586	0.1574	Lin1	-0.587	0.1607							0.9990		0.9900
N-Nitrosodiphenylamine	0.5850 0.4708	0.5699	0.5557	0.5363	0.4870	Ave		0.5341				8.6		15.0			
1,2-Diphenylhydrazine	1.2349 1.0060	1.2161	1.1933	1.1621	1.0315	Ave		1.1406				8.6		15.0			
4-Bromophenyl phenyl ether	0.2356 0.1899	0.2298	0.2261	0.2141	0.1968	Ave		0.2154				8.6		15.0			
Hexachlorobenzene	0.2607 0.1948	0.2425	0.2338	0.2200	0.2029	Ave		0.2258				11.0		15.0			
Pentachlorophenol	0.1079 0.1445	0.1298	0.1496	0.1541	0.1482	Ave		0.1390				12.0		15.0			
Phenanthrene	1.1970 0.8612	1.1404	1.0811	1.0149	0.8916	Ave		1.0310				13.0		15.0			
Anthracene	1.1844 0.8889	1.1407	1.1046	1.0463	0.9187	Ave		1.0473				11.0		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1 Analy Batch No.: 38940

SDG No.: _____

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 12:23 Calibration End Date: 11/04/2011 14:17 Calibration ID: 4660

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	1.1270 0.8670	1.1127	1.0630	1.0007	0.8986	Ave		1.0115				11.0		15.0			
Di-n-butyl phthalate	1.2498 1.0077	1.2857	1.2842	1.2054	1.0546	Ave		1.1813				10.0		15.0			
Fluoranthene	1.3663 0.9792	1.3077	1.2412	1.1598	1.0183	Ave		1.1787				13.0		15.0			
Benzidine	0.4751 0.4732	0.5309	0.5456	0.5302	0.4928	Ave		0.5080				6.2		15.0			
Pyrene	1.1107 0.8731	1.0686	1.0355	0.9963	0.8974	Ave		0.9969				9.5		15.0			
Butyl benzyl phthalate	0.4724 0.3881	0.4893	0.4777	0.4606	0.4031	Ave		0.4485				9.4		15.0			
3,3'-Dichlorobenzidine	0.3988 0.3783	0.4254	0.4355	0.4256	0.3841	Ave		0.4080				5.9		15.0			
Bis(2-ethylhexyl) phthalate	0.6896 0.5158	0.6642	0.6632	0.6224	0.5398	Ave		0.6158				12.0		15.0			
Benz(a)anthracene	1.1739 0.8185	1.0983	1.0041	0.9303	0.8417	Ave		0.9778				14.0		15.0			
Chrysene	1.1882 0.9010	1.1367	1.0928	1.0389	0.9246	Ave		1.0470				11.0		15.0			
Di-n-octyl phthalate	1.1228 1.0613	1.2258	1.2935	1.2503	1.1019	Ave		1.1759				7.9		15.0			
Benzo(b)fluoranthene	1.2075 0.8938	1.1238	1.1197	0.9897	0.9772	Ave		1.0519				11.0		15.0			
Benzo(k)fluoranthene	1.2050 0.8749	1.1949	1.1059	1.0809	0.8347	Ave		1.0494				15.0		15.0			
Benzo(a)pyrene	0.9695 0.7916	0.9654	0.9542	0.9081	0.8069	Ave		0.8993				9.0		15.0			
Indeno(1,2,3-c,d)pyrene	1.2302 0.9421	1.1633	1.1211	1.0483	0.9612	Ave		1.0777				11.0		15.0			
Dibenz(a,h)anthracene	1.0470 0.7547	1.0056	0.9652	0.8897	0.7779	Ave		0.9067				13.0		15.0			
Benzo(g,h,i)perylene	1.0472 0.8061	0.9417	0.9242	0.8850	0.8453	Ave		0.9083				9.3		15.0			
2-Fluorophenol	1.4613 1.4027	1.5332	1.5349	1.5236	1.4375	Ave		1.4822				3.8		15.0			
Phenol-d5	1.6987 1.3862	1.7185	1.6795	1.6482	1.4396	Ave		1.5951				9.0		15.0			
Nitrobenzene-d5	0.3542 0.3480	0.3720	0.3750	0.3698	0.3538	Ave		0.3621				3.2		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1 Analy Batch No.: 38940

SDG No.: _____

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 12:23 Calibration End Date: 11/04/2011 14:17 Calibration ID: 4660

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	1.3240 1.0383	1.2961	1.2299	1.1887	1.0546	Ave		1.1886				10.0		15.0			
2,4,6-Tribromophenol	0.0897 0.0947	0.1020	0.1046	0.1033	0.0969	Ave		0.0985				5.9		15.0			
p-Terphenyl-d14	0.8112 0.6283	0.7668	0.7482	0.7136	0.6403	Ave		0.7181				10.0		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.: 480-12393-1 Analy Batch No.: 38940

SDG No.: _____

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 12:23 Calibration End Date: 11/04/2011 14:17 Calibration ID: 4660

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-38940/7	X0418.D
Level 2	IC 480-38940/6	X0417.D
Level 3	ICIS 480-38940/5	X0416.D
Level 4	IC 480-38940/4	X0415.D
Level 5	IC 480-38940/3	X0414.D
Level 6	IC 480-38940/2	X0413.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	25382 615153	73173	186903	301044	543166	5.00 160	20.0	50.0	80.0	120
Pyridine	DCB	Ave	34405 988703	120985	299518	480831	877437	5.00 160	20.0	50.0	80.0	120
Aniline	DCB	Ave	56873 1278277	183894	438168	677669	1152514	5.00 160	20.0	50.0	80.0	120
Phenol	DCB	Ave	49005 1197637	163030	398341	617806	1072754	5.00 160	20.0	50.0	80.0	120
Bis(2-chloroethyl)ether	DCB	Ave	37486 990493	121306	302671	483095	885280	5.00 160	20.0	50.0	80.0	120
2-Chlorophenol	DCB	Ave	37847 994671	125758	313992	499984	890317	5.00 160	20.0	50.0	80.0	120
1,3-Dichlorobenzene	DCB	Ave	39761 1000263	132242	325865	515023	889737	5.00 160	20.0	50.0	80.0	120
1,4-Dichlorobenzene	DCB	Ave	40273 1010330	134282	328441	522096	898912	5.00 160	20.0	50.0	80.0	120
Benzyl alcohol	DCB	Ave	22582 592616	79298	194836	311453	541651	5.00 160	20.0	50.0	80.0	120
1,2-Dichlorobenzene	DCB	Ave	38512 933475	126789	307012	483890	835685	5.00 160	20.0	50.0	80.0	120
2-Methylphenol	DCB	Ave	30674 780004	104720	260457	408351	699009	5.00 160	20.0	50.0	80.0	120
bis (2-chloroisopropyl) ether	DCB	Qua	54815 1236149	179380	431813	672256	1113832	5.00 160	20.0	50.0	80.0	120
N-Nitrosodi-n-propylamine	DCB	Ave	22035 650866	79976	203936	325834	587112	5.00 160	20.0	50.0	80.0	120
4-Methylphenol	DCB	Ave	31491 868848	109240	273359	440078	783849	5.00 160	20.0	50.0	80.0	120
Hexachloroethane	DCB	Ave	13528 379029	47861	119781	188936	335992	5.00 160	20.0	50.0	80.0	120
Nitrobenzene	NPT	Ave	32649 955585	116172	291258	467885	850117	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.: 480-12393-1 Analy Batch No.: 38940

SDG No.: _____

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 12:23 Calibration End Date: 11/04/2011 14:17 Calibration ID: 4660

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	55522 1648588	202660	513829	812072	1474708	5.00 160	20.0	50.0	80.0	120
2-Nitrophenol	NPT	Ave	15379 519840	58465	156045	254106	466961	5.00 160	20.0	50.0	80.0	120
2,4-Dimethylphenol	NPT	Ave	31667 875570	110197	275464	448277	799028	5.00 160	20.0	50.0	80.0	120
Tetraethyl lead	NPT	Ave	13639 326134	47878	113559	174476	297268	5.00 160	20.0	50.0	80.0	120
Bis(2-chloroethoxy)methane	NPT	Ave	37958 979067	126350	313911	498075	885446	5.00 160	20.0	50.0	80.0	120
2,4-Dichlorophenol	NPT	Ave	27522 706023	93937	233522	358949	635046	5.00 160	20.0	50.0	80.0	120
Benzoic acid	NPT	Ave	495423 2381742	492933	650689	1095189	2156037	100 480	120	150	240	360
1,2,4-Trichlorobenzene	NPT	Ave	29571 746973	99487	242314	384991	668678	5.00 160	20.0	50.0	80.0	120
Naphthalene	NPT	Ave	96649 2272924	316270	762186	1183575	2055122	5.00 160	20.0	50.0	80.0	120
4-Chloroaniline	NPT	Ave	39630 1064183	135496	341042	542346	954360	5.00 160	20.0	50.0	80.0	120
Hexachlorobutadiene	NPT	Ave	17238 449348	59285	145119	228780	404208	5.00 160	20.0	50.0	80.0	120
4-Chloro-3-methylphenol	NPT	Ave	25553 725357	87599	229289	362370	657743	5.00 160	20.0	50.0	80.0	120
2-Methylnaphthalene	NPT	Ave	59556 1446528	198802	487386	762400	1319570	5.00 160	20.0	50.0	80.0	120
Hexachlorocyclopentadiene	ANT	Ave	15843 540988	61608	167048	270885	486640	5.00 160	20.0	50.0	80.0	120
2,4,6-Trichlorophenol	ANT	Ave	17423 514206	63474	162295	260667	467085	5.00 160	20.0	50.0	80.0	120
2,4,5-Trichlorophenol	ANT	Ave	17937 550566	66883	176791	283254	507549	5.00 160	20.0	50.0	80.0	120
2-Chloronaphthalene	ANT	Ave	57359 1429109	192527	473498	746829	1286921	5.00 160	20.0	50.0	80.0	120
2-Nitroaniline	ANT	Ave	13429 477220	54340	142778	231652	428434	5.00 160	20.0	50.0	80.0	120
Dimethyl phthalate	ANT	Ave	65327 1684602	221602	554540	876229	1556661	5.00 160	20.0	50.0	80.0	120
2,6-Dinitrotoluene	ANT	Ave	11775 424281	47476	124808	209474	383449	5.00 160	20.0	50.0	80.0	120
Acenaphthylene	ANT	Ave	80879 2065513	281484	694251	1092852	1888868	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.: 480-12393-1 Analy Batch No.: 38940

SDG No.: _____

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 12:23 Calibration End Date: 11/04/2011 14:17 Calibration ID: 4660

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	13373 464455	53748	141335	232911	424738	5.00 160	20.0	50.0	80.0	120
Acenaphthene	ANT	Ave	51404 1256676	171380	416213	658664	1148166	5.00 160	20.0	50.0	80.0	120
2,4-Dinitrophenol	ANT	Lin1	5584 252473	14606	59251	113062	231427	10.0 160	20.0	50.0	80.0	120
4-Nitrophenol	ANT	Ave	16178 281532	28592	80995	132934	256211	10.0 160	20.0	50.0	80.0	120
2,4-Dinitrotoluene	ANT	Ave	17450 501740	64643	168610	270828	458395	5.00 160	20.0	50.0	80.0	120
Dibenzofuran	ANT	Ave	80689 1725142	262468	632519	960441	1607398	5.00 160	20.0	50.0	80.0	120
Diethyl phthalate	ANT	Ave	60582 1525926	205990	507407	800070	1393898	5.00 160	20.0	50.0	80.0	120
Fluorene	ANT	Ave	62130 1343929	205666	487094	741356	1230455	5.00 160	20.0	50.0	80.0	120
4-Chlorophenyl phenyl ether	ANT	Qua	33056 657862	102303	238916	362550	601004	5.00 160	20.0	50.0	80.0	120
4-Nitroaniline	ANT	Ave	14351 469604	53710	140809	231331	431665	5.00 160	20.0	50.0	80.0	120
4,6-Dinitro-2-methylphenol	PHN	Lin1	15510 365101	33177	103880	175993	336162	10.0 160	20.0	50.0	80.0	120
N-Nitrosodiphenylamine	PHN	Ave	45331 1130062	151229	372294	594936	1039880	5.00 160	20.0	50.0	80.0	120
1,2-Diphenylhydrazine	ANT	Ave	59749 1511481	200708	503447	798887	1385873	5.00 160	20.0	50.0	80.0	120
4-Bromophenyl phenyl ether	PHN	Ave	18261 455743	60987	151485	237482	420208	5.00 160	20.0	50.0	80.0	120
Hexachlorobenzene	PHN	Ave	20203 467557	64348	156608	244051	433360	5.00 160	20.0	50.0	80.0	120
Pentachlorophenol	PHN	Ave	16716 346744	34433	100211	170913	316475	10.0 160	20.0	50.0	80.0	120
Phenanthrene	PHN	Ave	92760 2066992	302606	724328	1125940	1903755	5.00 160	20.0	50.0	80.0	120
Anthracene	PHN	Ave	91784 2133485	302694	740074	1160778	1961647	5.00 160	20.0	50.0	80.0	120
Carbazole	PHN	Ave	87336 2081100	295267	712191	1110185	1918881	5.00 160	20.0	50.0	80.0	120
Di-n-butyl phthalate	PHN	Ave	96854 2418657	341172	860371	1337258	2252020	5.00 160	20.0	50.0	80.0	120
Fluoranthene	PHN	Ave	105882 2350208	346994	831576	1286651	2174397	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.: 480-12393-1 Analy Batch No.: 38940

SDG No.: _____

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 12:23 Calibration End Date: 11/04/2011 14:17 Calibration ID: 4660

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	47206 1295766	179158	449212	702372	1233033	5.00 160	20.0	50.0	80.0	120
Pyrene	CRY	Ave	110350 2390593	360604	852521	1319764	2245234	5.00 160	20.0	50.0	80.0	120
Butyl benzyl phthalate	CRY	Ave	46936 1062597	165130	393306	610157	1008624	5.00 160	20.0	50.0	80.0	120
3,3'-Dichlorobenzidine	CRY	Ave	39621 1035803	143574	358574	563812	960930	5.00 160	20.0	50.0	80.0	120
Bis(2-ethylhexyl) phthalate	CRY	Ave	68516 1412180	224131	545981	824518	1350623	5.00 160	20.0	50.0	80.0	120
Benz(a)anthracene	CRY	Ave	116632 2241017	370648	826689	1232349	2105941	5.00 160	20.0	50.0	80.0	120
Chrysene	CRY	Ave	118055 2467063	383601	899753	1376234	2313216	5.00 160	20.0	50.0	80.0	120
Di-n-octyl phthalate	CRY	Ave	111552 2905889	413686	1064987	1656241	2756855	5.00 160	20.0	50.0	80.0	120
Benzo(b)fluoranthene	PRY	Ave	138015 3071130	431728	1077183	1576599	3047607	5.00 160	20.0	50.0	80.0	120
Benzo(k)fluoranthene	PRY	Ave	137732 3006372	459052	1063969	1721919	2603288	5.00 160	20.0	50.0	80.0	120
Benzo(a)pyrene	PRY	Ave	110820 2719999	370875	918035	1446623	2516635	5.00 160	20.0	50.0	80.0	120
Indeno(1,2,3-c,d)pyrene	PRY	Ave	140614 3237317	446925	1078564	1669953	2997922	5.00 160	20.0	50.0	80.0	120
Dibenz(a,h)anthracene	PRY	Ave	119674 2593230	386306	928549	1417237	2426074	5.00 160	20.0	50.0	80.0	120
Benzo(g,h,i)perylene	PRY	Ave	119703 2769719	361775	889170	1409729	2636361	5.00 160	20.0	50.0	80.0	120
2-Fluorophenol	DCB	Ave	35008 1032314	125204	317169	506555	924701	5.00 160	20.0	50.0	80.0	120
Phenol-d5	DCB	Ave	40695 1020174	140342	347049	547965	926039	5.00 160	20.0	50.0	80.0	120
Nitrobenzene-d5	NPT	Ave	31191 954135	111618	288818	461673	860852	5.00 160	20.0	50.0	80.0	120
2-Fluorobiphenyl	ANT	Ave	64063 1559898	213895	518873	817217	1416986	5.00 160	20.0	50.0	80.0	120
2,4,6-Tribromophenol	PHN	Ave	6948 227413	27077	70102	114568	206949	5.00 160	20.0	50.0	80.0	120
p-Terphenyl-d14	CRY	Ave	80595 1720253	258758	616001	945295	1602095	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.: 480-12393-1 Analy Batch No.: 38940

SDG No.: _____

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/04/2011 12:23 Calibration End Date: 11/04/2011 14:17 Calibration ID: 4660

Curve Type Legend:

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20111104-7273.b\X0413.D
 Lims ID: IC - 8270 - 160PT Client ID:
 Inject. Date: 04-Nov-2011 12:23:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: 480-0007273-002
 Misc. Info.: IC - 8270 - 160PT
 Operator: RJF Instrument ID: HP5973X
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 38940 Lims Sample ID: 2
 Sublist: chrom-X-8270*sub15
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973X\20111104-7273.b\X-8270.m
 Last Update: 04-Nov-2011 17:31:57 Calib Date: 04-Nov-2011 12:23:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973X\20111104-7273.b\X0413.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: franzzr

Date: 04-Nov-2011 17:31:57

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.231	6.232	-0.001	94	183983	40.0	
* 2 Naphthalene-d8	136	7.733	7.733	0.0	87	685472	40.0	
* 3 Acenaphthene-d10	164	9.784	9.789	-0.005	2	375606	40.0	
* 4 Phenanthrene-d10	188	11.371	11.371	0.0	99	600060	40.0	
* 5 Chrysene-d12	240	13.769	13.769	0.0	95	684526	40.0	
* 6 Perylene-d12	264	15.030	15.030	0.0	99	859024	40.0	
\$ 7 2-Fluorophenol	112	4.693	4.688	0.005	92	1032314	148.4	
\$ 8 Phenol-d5	99	5.841	5.836	0.005	83	1020174	131.0	
\$ 9 Nitrobenzene-d5	82	6.889	6.883	0.006	95	954135	143.7	
\$ 10 2-Fluorobiphenyl	172	9.009	9.009	0.0	100	1559898	134.0	
\$ 11 2,4,6-Tribromophenol	330	10.665	10.666	-0.001	55	227413	151.7	
\$ 12 p-Terphenyl-d14	244	12.845	12.840	0.005	99	1720253	141.1	
55 N-Nitrosodimethylamine	42	2.951	2.951	0.0	81	615153	186.0	
56 Pyridine	52	3.021	3.016	0.005	89	988703	188.3	
64 Aniline	93	5.847	5.842	0.005	92	1278277	127.3	
63 Phenol	94	5.857	5.852	0.005	87	1197637	135.8	
66 Bis(2-chloroethyl)ether	93	5.916	5.916	0.0	82	990493	147.4	
67 2-Chlorophenol	128	6.002	5.996	0.006	98	994671	149.5	
69 1,3-Dichlorobenzene	146	6.167	6.173	-0.006	96	1000263	142.6	
70 1,4-Dichlorobenzene	146	6.253	6.253	0.0	97	1010330	142.8	
71 Benzyl alcohol	108	6.413	6.408	0.005	90	592616	137.0	
72 1,2-Dichlorobenzene	146	6.434	6.440	-0.006	83	933475	143.9	
73 2-Methylphenol	108	6.563	6.557	0.006	92	780004	134.5	
74 2,2'-oxybis[1-chloropropane]	45	6.568	6.568	0.0	89	1236149	163.5	
78 N-Nitrosodi-n-propylamine	70	6.728	6.718	0.010	95	650866	149.8	
79 4-Methylphenol	108	6.744	6.744	0.0	94	868848	151.7	
81 Hexachloroethane	117	6.835	6.841	-0.006	93	379029	152.7	
83 Nitrobenzene	77	6.910	6.905	0.005	94	955585	143.1	
86 Isophorone	82	7.198	7.193	0.005	98	1648588	138.9	
87 2-Nitrophenol	139	7.289	7.289	0.0	83	519840	159.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
89 2,4-Dimethylphenol	107	7.369	7.364	0.005	94	875570	137.9	
90 Tetraethyl lead	237	7.412	7.412	0.0	53	326134	138.3	
94 Bis(2-chloroethoxy)methane	93	7.455	7.455	0.0	96	979067	141.0	
95 Benzoic acid	105	7.652	7.572	0.080	59	2381742	495.7	
97 2,4-Dichlorophenol	162	7.583	7.583	0.0	95	706023	148.8	
98 1,2,4-Trichlorobenzene	180	7.669	7.674	-0.006	84	746973	139.4	
99 Naphthalene	128	7.759	7.759	0.0	98	2272924	138.1	
101 4-Chloroaniline	127	7.829	7.829	0.0	98	1064183	145.0	
104 Hexachlorobutadiene	225	7.925	7.925	0.0	97	449348	150.6	
110 4-Chloro-3-methylphenol	107	8.427	8.427	0.0	95	725357	140.1	
113 2-Methylnaphthalene	142	8.571	8.571	0.0	97	1446528	138.0	
116 Hexachlorocyclopentadiene	237	8.774	8.774	0.0	89	540988	148.4	
118 2,4,6-Trichlorophenol	196	8.919	8.919	0.0	95	514206	145.0	
119 2,4,5-Trichlorophenol	196	8.967	8.967	0.0	96	550566	143.9	
124 2-Chloronaphthalene	162	9.138	9.138	0.0	100	1429109	138.8	
125 2-Nitroaniline	65	9.271	9.271	0.0	92	477220	152.1	
128 Dimethyl phthalate	163	9.496	9.490	0.006	98	1684602	138.4	
130 2,6-Dinitrotoluene	165	9.554	9.549	0.005	36	424281	159.4	
131 Acenaphthylene	152	9.624	9.624	0.0	99	2065513	130.0	
132 3-Nitroaniline	138	9.763	9.752	0.011	95	464455	149.1	
133 Acenaphthene	153	9.827	9.827	0.0	100	1256676	128.5	
134 2,4-Dinitrophenol	184	9.870	9.864	0.006	91	252473	167.6	
135 4-Nitrophenol	109	9.992	9.987	0.005	89	281532	142.5	
137 2,4-Dinitrotoluene	165	10.019	10.014	0.005	65	501740	145.0	
138 Dibenzofuran	168	10.024	10.025	-0.001	87	1725142	125.3	
142 Diethyl phthalate	149	10.302	10.297	0.005	100	1525926	129.3	
144 Fluorene	166	10.404	10.404	0.0	99	1343929	125.4	
145 4-Chlorophenyl phenyl ether	204	10.409	10.409	0.0	81	657862	157.7	
147 4-Nitroaniline	138	10.457	10.447	0.010	84	469604	145.9	
148 4,6-Dinitro-2-methylphenol	198	10.479	10.468	0.011	97	365101	168.0	
149 N-Nitrosodiphenylamine	169	10.543	10.537	0.006	98	1130062	146.8	
152 1,2-Diphenylhydrazine	77	10.580	10.575	0.005	99	1511481	127.6	
159 4-Bromophenyl phenyl ether	248	10.922	10.922	0.0	97	455743	144.0	
160 Hexachlorobenzene	284	11.002	10.997	0.005	96	467557	147.1	
165 Pentachlorophenol	266	11.200	11.200	0.0	97	346744	163.8	
171 Phenanthrene	178	11.397	11.392	0.005	100	2066992	131.4	
172 Anthracene	178	11.445	11.440	0.005	100	2133485	132.9	
173 Carbazole	167	11.611	11.606	0.005	100	2081100	142.7	
176 Di-n-butyl phthalate	149	11.942	11.937	0.005	100	2418657	135.7	
182 Fluoranthene	202	12.514	12.509	0.005	99	2350208	135.6	
183 Benzidine	184	12.626	12.626	0.0	100	1295766	140.4	
185 Pyrene	202	12.712	12.712	0.0	99	2390593	141.2	
192 Butyl benzyl phthalate	149	13.262	13.262	0.0	98	1062597	129.7	
196 3,3'-Dichlorobenzidine	252	13.732	13.727	0.005	74	1035803	144.8	
198 Bis(2-ethylhexyl) phthalate	149	13.753	13.753	0.0	93	1412180	127.5	
197 Benzo[a]anthracene	228	13.759	13.759	0.0	52	2241017	134.8	
199 Chrysene	228	13.796	13.791	0.005	99	2467063	139.6	
201 Di-n-octyl phthalate	149	14.288	14.288	0.0	99	2905889	134.2	
203 Benzo[b]fluoranthene	252	14.688	14.678	0.010	99	3071130	140.9	
204 Benzo[k]fluoranthene	252	14.715	14.704	0.011	99	3006372	136.4	
206 Benzo[a]pyrene	252	14.987	14.977	0.010	99	2719999	143.3	
208 Indeno[1,2,3-cd]pyrene	276	16.141	16.125	0.016	78	3237317	137.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
209 Dibenz(a,h)anthracene	278	16.147	16.131	0.016	90	2593230	132.8	
210 Benzo[g,h,i]perylene	276	16.462	16.441	0.021	98	2769719	137.9	
S 212 3 & 4 Methylphenol	108				0		151.7	
S 213 Total Cresols	1				0		286.2	
S 214 3-Methylphenol	1				0		151.7	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20111104-7273.b\X0414.D
 Lims ID: IC - 8270 - 120PT Client ID:
 Inject. Date: 04-Nov-2011 12:46:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: 480-0007273-003
 Misc. Info.: IC - 8270 - 120PT
 Operator: RJF Instrument ID: HP5973X
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 38940 Lims Sample ID: 3
 Sublist: chrom-X-8270*sub15
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973X\20111104-7273.b\X-8270.m
 Last Update: 04-Nov-2011 17:32:06 Calib Date: 04-Nov-2011 12:46:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973X\20111104-7273.b\X0414.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: franzr

Date: 04-Nov-2011 15:05:04

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.232	6.232	0.0	94	214419	40.0	
* 2 Naphthalene-d8	136	7.733	7.733	0.0	87	811015	40.0	
* 3 Acenaphthene-d10	164	9.784	9.789	-0.005	3	447864	40.0	
* 4 Phenanthrene-d10	188	11.371	11.371	0.0	100	711776	40.0	
* 5 Chrysene-d12	240	13.769	13.769	0.0	98	833971	40.0	
* 6 Perylene-d12	264	15.030	15.030	0.0	99	1039608	40.0	
\$ 7 2-Fluorophenol	112	4.688	4.688	0.0	92	924701	114.2	
\$ 8 Phenol-d5	99	5.842	5.836	0.006	79	926039	104.1	
\$ 9 Nitrobenzene-d5	82	6.889	6.883	0.006	94	860852	110.4	
\$ 10 2-Fluorobiphenyl	172	9.010	9.009	0.001	100	1416986	102.9	
\$ 11 2,4,6-Tribromophenol	330	10.666	10.666	0.0	57	206949	116.9	
\$ 12 p-Terphenyl-d14	244	12.845	12.840	0.005	100	1602095	108.0	
55 N-Nitrosodimethylamine	42	2.946	2.951	-0.005	80	543166	134.4	
56 Pyridine	52	3.010	3.016	-0.006	89	877437	137.0	
64 Aniline	93	5.842	5.842	0.0	95	1152514	100.8	
63 Phenol	94	5.858	5.852	0.006	85	1072754	105.5	
66 Bis(2-chloroethyl)ether	93	5.916	5.916	0.0	82	885280	112.6	
67 2-Chlorophenol	128	5.997	5.996	0.001	99	890317	114.4	
69 1,3-Dichlorobenzene	146	6.167	6.173	-0.006	96	889737	109.0	
70 1,4-Dichlorobenzene	146	6.253	6.253	0.0	92	898912	109.2	
71 Benzyl alcohol	108	6.408	6.408	0.0	91	541651	108.8	
72 1,2-Dichlorobenzene	146	6.435	6.440	-0.005	82	835685	110.4	
73 2-Methylphenol	108	6.563	6.557	0.006	89	699009	104.8	
74 2,2'-oxybis[1-chloropropane]	45	6.568	6.568	0.0	90	1113832	127.3	
78 N-Nitrosodi-n-propylamine	70	6.728	6.718	0.010	94	587112	114.7	
79 4-Methylphenol	108	6.744	6.744	0.0	94	783849	115.6	
81 Hexachloroethane	117	6.835	6.841	-0.006	94	335992	115.7	
83 Nitrobenzene	77	6.910	6.905	0.005	94	850117	108.3	
86 Isophorone	82	7.199	7.193	0.006	98	1474708	105.9	
87 2-Nitrophenol	139	7.289	7.289	0.0	82	466961	120.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
89 2,4-Dimethylphenol	107	7.369	7.364	0.005	94	799028	107.3	
90 Tetraethyl lead	237	7.407	7.412	-0.005	54	297268	106.9	
94 Bis(2-chloroethoxy)methane	93	7.455	7.455	0.0	96	885446	107.9	
95 Benzoic acid	105	7.642	7.572	0.070	59	2156037	375.3	
97 2,4-Dichlorophenol	162	7.583	7.583	0.0	95	635046	112.2	
98 1,2,4-Trichlorobenzene	180	7.669	7.674	-0.005	84	668678	106.0	
99 Naphthalene	128	7.759	7.759	0.0	98	2055122	105.5	
101 4-Chloroaniline	127	7.829	7.829	0.0	98	954360	109.9	
104 Hexachlorobutadiene	225	7.920	7.925	-0.005	99	404208	113.8	
110 4-Chloro-3-methylphenol	107	8.427	8.427	0.0	94	657743	108.1	
113 2-Methylnaphthalene	142	8.571	8.571	0.0	97	1319570	106.5	
116 Hexachlorocyclopentadiene	237	8.769	8.774	-0.005	91	486640	112.8	
118 2,4,6-Trichlorophenol	196	8.919	8.919	0.0	94	467085	111.2	
119 2,4,5-Trichlorophenol	196	8.967	8.967	0.0	95	507549	111.5	
124 2-Chloronaphthalene	162	9.138	9.138	0.0	100	1286921	105.3	
125 2-Nitroaniline	65	9.271	9.271	0.0	92	428434	115.5	
128 Dimethyl phthalate	163	9.496	9.490	0.006	98	1556661	107.7	
130 2,6-Dinitrotoluene	165	9.554	9.549	0.005	38	383449	120.7	
131 Acenaphthylene	152	9.624	9.624	0.0	98	1888868	101.0	
132 3-Nitroaniline	138	9.757	9.752	0.005	97	424738	115.2	
133 Acenaphthene	153	9.827	9.827	0.0	100	1148166	99.8	
134 2,4-Dinitrophenol	184	9.870	9.864	0.006	76	231427	125.5	
135 4-Nitrophenol	109	9.993	9.987	0.006	89	256211	111.1	
137 2,4-Dinitrotoluene	165	10.019	10.014	0.005	60	458395	112.2	
138 Dibenzofuran	168	10.025	10.025	0.0	85	1607398	111.4	
142 Diethyl phthalate	149	10.302	10.297	0.005	100	1393898	100.6	
144 Fluorene	166	10.404	10.404	0.0	99	1230455	110.4	
145 4-Chlorophenyl phenyl ether	204	10.404	10.409	-0.005	70	601004	108.9	
147 4-Nitroaniline	138	10.457	10.447	0.010	84	431665	113.4	
148 4,6-Dinitro-2-methylphenol	198	10.473	10.468	0.005	97	336162	125.6	
149 N-Nitrosodiphenylamine	169	10.537	10.537	0.0	97	1039880	112.9	
152 1,2-Diphenylhydrazine	77	10.580	10.575	0.005	99	1385873	99.6	
159 4-Bromophenyl phenyl ether	248	10.922	10.922	0.0	98	420208	111.7	
160 Hexachlorobenzene	284	10.997	10.997	0.0	98	433360	114.1	
165 Pentachlorophenol	266	11.200	11.200	0.0	98	316475	125.0	
171 Phenanthrene	178	11.398	11.392	0.006	100	1903755	102.3	
172 Anthracene	178	11.446	11.440	0.006	100	1961647	103.2	
173 Carbazole	167	11.611	11.606	0.005	100	1918881	109.9	
176 Di-n-butyl phthalate	149	11.937	11.937	0.0	100	2252020	106.2	
182 Fluoranthene	202	12.509	12.509	0.0	99	2174397	105.4	
183 Benzidine	184	12.626	12.626	0.0	100	1233033	110.8	
185 Pyrene	202	12.712	12.712	0.0	99	2245234	108.5	
192 Butyl benzyl phthalate	149	13.262	13.262	0.0	99	1008624	102.4	
196 3,3'-Dichlorobenzidine	252	13.732	13.727	0.005	72	960930	110.8	
198 Bis(2-ethylhexyl) phthalate	149	13.753	13.753	0.0	93	1350623	100.9	
197 Benzo[a]anthracene	228	13.759	13.759	0.0	52	2105941	104.2	
199 Chrysene	228	13.796	13.791	0.005	99	2313216	107.2	
201 Di-n-octyl phthalate	149	14.288	14.288	0.0	100	2756855	105.3	
203 Benzo[b]fluoranthene	252	14.683	14.678	0.005	98	3047607	113.3	
204 Benzo[k]fluoranthene	252	14.710	14.704	0.006	100	2603288	112.3	
206 Benzo[a]pyrene	252	14.982	14.977	0.005	99	2516635	109.0	
208 Indeno[1,2,3-cd]pyrene	276	16.136	16.125	0.011	80	2997922	105.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
209 Dibenz(a,h)anthracene	278	16.141	16.131	0.010	90	2426074	103.2	
210 Benzo[g,h,i]perylene	276	16.457	16.441	0.016	99	2636361	109.1	
S 212 3 & 4 Methylphenol	108				0		115.6	
S 213 Total Cresols	1				0		220.5	
S 214 3-Methylphenol	1				0		115.6	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20111104-7273.b\X0415.D
 Lims ID: IC - 8270 - 80PT Client ID:
 Inject. Date: 04-Nov-2011 13:09:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 4
 Sample ID: 480-0007273-004
 Misc. Info.: IC - 8270 - 80PT
 Operator: RJF Instrument ID: HP5973X
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 38940 Lims Sample ID: 4
 Sublist: chrom-X-8270*sub15
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973X\20111104-7273.b\X-8270.m
 Last Update: 04-Nov-2011 17:32:11 Calib Date: 04-Nov-2011 13:09:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973X\20111104-7273.b\X0415.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: franzr

Date: 04-Nov-2011 15:05:08

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.232	6.232	0.0	95	166233	40.0	
* 2 Naphthalene-d8	136	7.727	7.733	-0.006	93	624235	40.0	
* 3 Acenaphthene-d10	164	9.784	9.789	-0.005	11	343740	40.0	
* 4 Phenanthrene-d10	188	11.365	11.371	-0.006	99	554690	40.0	
* 5 Chrysene-d12	240	13.764	13.769	-0.005	99	662334	40.0	
* 6 Perylene-d12	264	15.025	15.030	-0.005	99	796489	40.0	
\$ 7 2-Fluorophenol	112	4.688	4.688	0.0	92	506555	80.7	
\$ 8 Phenol-d5	99	5.836	5.836	0.0	88	547965	80.1	
\$ 9 Nitrobenzene-d5	82	6.883	6.883	0.0	95	461673	77.8	
\$ 10 2-Fluorobiphenyl	172	9.004	9.009	-0.005	99	817217	77.8	
\$ 11 2,4,6-Tribromophenol	330	10.666	10.666	0.0	81	114568	83.1	
\$ 12 p-Terphenyl-d14	244	12.840	12.840	0.0	99	945295	80.0	
55 N-Nitrosodimethylamine	42	2.951	2.951	0.0	81	301044	91.2	
56 Pyridine	52	3.021	3.016	0.005	89	480831	92.2	
64 Aniline	93	5.842	5.842	0.0	90	677669	77.5	
63 Phenol	94	5.852	5.852	0.0	89	617806	78.7	
66 Bis(2-chloroethyl)ether	93	5.916	5.916	0.0	82	483095	79.0	
67 2-Chlorophenol	128	5.997	5.996	0.0	98	499984	82.1	
69 1,3-Dichlorobenzene	146	6.167	6.173	-0.006	96	515023	81.0	
70 1,4-Dichlorobenzene	146	6.253	6.253	0.0	91	522096	81.2	
71 Benzyl alcohol	108	6.408	6.408	0.0	91	311453	80.9	
72 1,2-Dichlorobenzene	146	6.435	6.440	-0.005	82	483890	81.8	
73 2-Methylphenol	108	6.557	6.557	0.0	97	408351	79.4	
74 2,2'-oxybis[1-chloropropane]	45	6.563	6.568	-0.005	88	672256	90.2	
78 N-Nitrosodi-n-propylamine	70	6.718	6.718	0.0	95	325834	81.1	
79 4-Methylphenol	108	6.739	6.744	-0.005	93	440078	82.4	
81 Hexachloroethane	117	6.835	6.841	-0.006	94	188936	83.0	
83 Nitrobenzene	77	6.905	6.905	0.0	91	467885	78.2	
86 Isophorone	82	7.193	7.193	0.0	98	812072	76.7	
87 2-Nitrophenol	139	7.284	7.289	-0.005	83	254106	85.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
89 2,4-Dimethylphenol	107	7.364	7.364	0.0	93	448277	78.8	
90 Tetraethyl lead	237	7.407	7.412	-0.005	55	174476	81.0	
94 Bis(2-chloroethoxy)methane	93	7.450	7.455	-0.005	96	498075	78.7	
95 Benzoic acid	105	7.594	7.572	0.022	73	1095189	247.2	
97 2,4-Dichlorophenol	162	7.583	7.583	0.0	94	358949	82.0	
98 1,2,4-Trichlorobenzene	180	7.669	7.674	-0.005	94	384991	79.4	
99 Naphthalene	128	7.754	7.759	-0.005	98	1183575	78.7	
101 4-Chloroaniline	127	7.829	7.829	0.0	98	542346	80.9	
104 Hexachlorobutadiene	225	7.920	7.925	-0.005	99	228780	82.7	
110 4-Chloro-3-methylphenol	107	8.422	8.427	-0.005	95	362370	78.2	
113 2-Methylnaphthalene	142	8.571	8.571	0.0	96	762400	79.7	
116 Hexachlorocyclopentadiene	237	8.769	8.774	-0.005	90	270885	82.2	
118 2,4,6-Trichlorophenol	196	8.913	8.919	-0.006	95	260667	81.3	
119 2,4,5-Trichlorophenol	196	8.961	8.967	-0.006	97	283254	81.3	
124 2-Chloronaphthalene	162	9.138	9.138	0.0	99	746829	79.8	
125 2-Nitroaniline	65	9.266	9.271	-0.005	93	231652	82.1	
128 Dimethyl phthalate	163	9.490	9.490	0.0	98	876229	79.2	
130 2,6-Dinitrotoluene	165	9.544	9.549	-0.005	28	209474	85.9	
131 Acenaphthylene	152	9.619	9.624	-0.005	99	1092852	77.1	
132 3-Nitroaniline	138	9.752	9.752	0.0	96	232911	83.0	
133 Acenaphthene	153	9.822	9.827	-0.005	99	658664	75.6	
134 2,4-Dinitrophenol	184	9.864	9.864	0.0	84	113062	81.9	
135 4-Nitrophenol	109	9.987	9.987	0.0	86	132934	77.6	
137 2,4-Dinitrotoluene	165	10.014	10.014	0.0	76	270828	86.4	
138 Dibenzofuran	168	10.025	10.025	0.0	91	960441	81.8	
142 Diethyl phthalate	149	10.297	10.297	0.0	100	800070	76.4	
144 Fluorene	166	10.399	10.404	-0.006	99	741356	82.3	
145 4-Chlorophenyl phenyl ether	204	10.404	10.409	-0.005	77	362550	81.9	
147 4-Nitroaniline	138	10.447	10.447	0.0	83	231331	80.0	
148 4,6-Dinitro-2-methylphenol	198	10.468	10.468	0.0	96	175993	84.3	
149 N-Nitrosodiphenylamine	169	10.537	10.537	0.0	98	594936	82.1	
152 1,2-Diphenylhydrazine	77	10.575	10.575	0.0	100	798887	76.0	
159 4-Bromophenyl phenyl ether	248	10.917	10.922	-0.005	96	237482	80.8	
160 Hexachlorobenzene	284	10.997	10.997	0.0	96	244051	81.9	
165 Pentachlorophenol	266	11.200	11.200	0.0	95	170913	86.4	
171 Phenanthrene	178	11.392	11.392	0.0	99	1125940	77.6	
172 Anthracene	178	11.440	11.440	0.0	99	1160778	78.3	
173 Carbazole	167	11.606	11.606	0.0	100	1110185	80.8	
176 Di-n-butyl phthalate	149	11.937	11.937	0.0	99	1337258	80.5	
182 Fluoranthene	202	12.509	12.509	0.0	99	1286651	79.6	
183 Benzidine	184	12.626	12.626	0.0	100	702372	80.6	
185 Pyrene	202	12.706	12.712	-0.006	99	1319764	80.0	
192 Butyl benzyl phthalate	149	13.257	13.262	-0.005	98	610157	78.6	
196 3,3'-Dichlorobenzidine	252	13.727	13.727	0.0	64	563812	82.0	
198 Bis(2-ethylhexyl) phthalate	149	13.753	13.753	0.0	83	824518	78.0	
197 Benzo[a]anthracene	228	13.753	13.759	-0.006	52	1232349	76.8	
199 Chrysene	228	13.785	13.791	-0.006	99	1376234	79.9	
201 Di-n-octyl phthalate	149	14.282	14.288	-0.006	99	1656241	80.4	
203 Benzo[b]fluoranthene	252	14.678	14.678	0.0	99	1576599	76.9	
204 Benzo[k]fluoranthene	252	14.704	14.704	0.0	96	1721919	82.8	
206 Benzo[a]pyrene	252	14.977	14.977	0.0	98	1446623	81.2	
208 Indeno[1,2,3-cd]pyrene	276	16.125	16.125	0.0	79	1669953	77.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
209 Dibenz(a,h)anthracene	278	16.125	16.131	-0.006	82	1417237	78.6	
210 Benzo[g,h,i]perylene	276	16.441	16.441	0.0	98	1409729	76.8	
S 212 3 & 4 Methylphenol	108				0		82.4	
S 213 Total Cresols	1				0		161.8	
S 214 3-Methylphenol	1				0		82.4	

Data File:

\\Bufchrom\\ChromData\\HP5973X\\20111104-7273.b\\X0415.D

Injection Date: 04-Nov-2011 13:09:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 38940

Lims Sample ID: 4

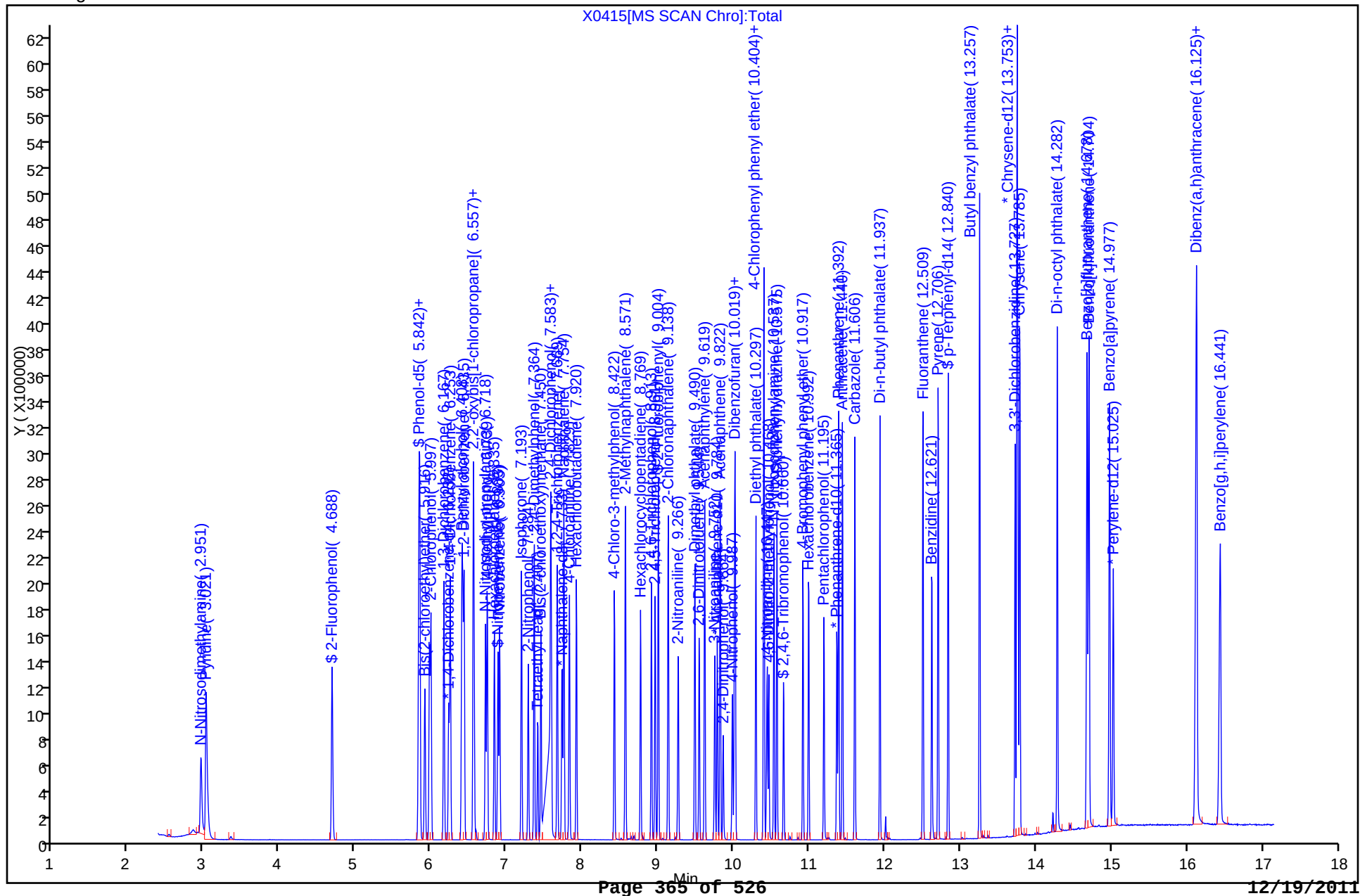
Operator ID: RJF

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\HP5973X\20111104-7273.b\X0416.D
 Lims ID: ICIS - 8270 - 50PT Client ID:
 Inject. Date: 04-Nov-2011 13:32:30 Dil. Factor: 1.0000
 Sample Type: ICIS Calib Level: 3
 Sample ID: 480-0007273-005
 Misc. Info.: ICIS - 8270 - 50PT
 Operator: RJF Instrument ID: HP5973X
 Vol. Injected: 1.0000 ALS Bottle#: 5
 Lims Batch ID: 38940 Lims Sample ID: 5
 Sublist: chrom-X-8270*sub15
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973X\20111104-7273.b\X-8270.m
 Last Update: 04-Nov-2011 17:32:15 Calib Date: 04-Nov-2011 13:32:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973X\20111104-7273.b\X0416.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: franzzr

Date: 04-Nov-2011 15:05:10

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.231	6.231	0.0	94	165315	40.0	
* 2 Naphthalene-d8	136	7.727	7.727	0.0	93	616121	40.0	
* 3 Acenaphthene-d10	164	9.784	9.784	0.0	31	337509	40.0	
* 4 Phenanthrene-d10	188	11.365	11.365	0.0	99	535973	40.0	
* 5 Chrysene-d12	240	13.764	13.764	0.0	99	658651	40.0	
* 6 Perylene-d12	264	15.025	15.025	0.0	99	769651	40.0	
\$ 7 2-Fluorophenol	112	4.682	4.682	0.0	92	317169	51.0	
\$ 8 Phenol-d5	99	5.831	5.831	0.0	90	347049	51.6	
\$ 9 Nitrobenzene-d5	82	6.883	6.883	0.0	94	288818	50.0	
\$ 10 2-Fluorobiphenyl	172	9.004	9.004	0.0	99	518873	50.8	
\$ 11 2,4,6-Tribromophenol	330	10.665	10.665	0.0	97	70102	53.0	
\$ 12 p-Terphenyl-d14	244	12.840	12.840	0.0	99	616001	52.3	
55 N-Nitrosodimethylamine	42	2.935	2.935	0.0	81	186903	54.5	
56 Pyridine	52	3.005	3.005	0.0	89	299518	55.3	
64 Aniline	93	5.841	5.841	0.0	81	438168	51.2	
63 Phenol	94	5.847	5.847	0.0	88	398341	51.6	
66 Bis(2-chloroethyl)ether	93	5.911	5.911	0.0	82	302671	49.9	
67 2-Chlorophenol	128	5.991	5.991	0.0	98	313992	51.7	
69 1,3-Dichlorobenzene	146	6.167	6.167	0.0	95	325865	51.5	
70 1,4-Dichlorobenzene	146	6.247	6.247	0.0	89	328441	51.4	
71 Benzyl alcohol	108	6.402	6.402	0.0	92	194836	51.4	
72 1,2-Dichlorobenzene	146	6.434	6.434	0.0	77	307012	52.0	
73 2-Methylphenol	108	6.557	6.557	0.0	92	260457	51.3	
74 2,2'-oxybis[1-chloropropane]	45	6.563	6.563	0.0	89	431813	52.1	
78 N-Nitrosodi-n-propylamine	70	6.717	6.717	0.0	95	203936	50.8	
79 4-Methylphenol	108	6.739	6.739	0.0	93	273359	51.3	
81 Hexachloroethane	117	6.835	6.835	0.0	94	119781	52.7	
83 Nitrobenzene	77	6.904	6.904	0.0	93	291258	50.0	
86 Isophorone	82	7.193	7.193	0.0	97	513829	50.0	
87 2-Nitrophenol	139	7.284	7.284	0.0	83	156045	53.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
89 2,4-Dimethylphenol	107	7.359	7.359	0.0	94	275464	49.9	
90 Tetraethyl lead	237	7.407	7.407	0.0	54	113559	53.2	
94 Bis(2-chloroethoxy)methane	93	7.449	7.449	0.0	97	313911	50.4	
95 Benzoic acid	105	7.562	7.562	0.0	59	650689	149.9	
97 2,4-Dichlorophenol	162	7.583	7.583	0.0	79	233522	53.7	
98 1,2,4-Trichlorobenzene	180	7.668	7.668	0.0	94	242314	50.8	
99 Naphthalene	128	7.754	7.754	0.0	95	762186	51.5	
101 4-Chloroaniline	127	7.829	7.829	0.0	97	341042	51.6	
104 Hexachlorobutadiene	225	7.920	7.920	0.0	99	145119	52.6	
110 4-Chloro-3-methylphenol	107	8.422	8.422	0.0	95	229289	50.7	
113 2-Methylnaphthalene	142	8.571	8.571	0.0	96	487386	51.7	
116 Hexachlorocyclopentadiene	237	8.769	8.769	0.0	90	167048	51.8	
118 2,4,6-Trichlorophenol	196	8.913	8.913	0.0	94	162295	51.9	
119 2,4,5-Trichlorophenol	196	8.961	8.961	0.0	97	176791	51.8	
124 2-Chloronaphthalene	162	9.138	9.138	0.0	98	473498	51.7	
125 2-Nitroaniline	65	9.266	9.266	0.0	90	142778	51.9	
128 Dimethyl phthalate	163	9.490	9.490	0.0	97	554540	51.3	
130 2,6-Dinitrotoluene	165	9.544	9.544	0.0	26	124808	52.4	
131 Acenaphthylene	152	9.618	9.618	0.0	98	694251	50.6	
132 3-Nitroaniline	138	9.752	9.752	0.0	94	141335	51.9	
133 Acenaphthene	153	9.821	9.821	0.0	99	416213	49.5	
134 2,4-Dinitrophenol	184	9.864	9.864	0.0	84	59251	47.5	
135 4-Nitrophenol	109	9.982	9.982	0.0	87	80995	49.8	
137 2,4-Dinitrotoluene	165	10.008	10.008	0.0	89	168610	55.2	
138 Dibenzofuran	168	10.019	10.019	0.0	95	632519	51.5	
142 Diethyl phthalate	149	10.297	10.297	0.0	99	507407	50.4	
144 Fluorene	166	10.398	10.398	0.0	98	487094	51.7	
145 4-Chlorophenyl phenyl ether	204	10.404	10.404	0.0	80	238916	51.7	
147 4-Nitroaniline	138	10.441	10.441	0.0	85	140809	50.4	
148 4,6-Dinitro-2-methylphenol	198	10.462	10.462	0.0	96	103880	53.1	
149 N-Nitrosodiphenylamine	169	10.532	10.532	0.0	97	372294	52.8	
152 1,2-Diphenylhydrazine	77	10.575	10.575	0.0	99	503447	49.8	
159 4-Bromophenyl phenyl ether	248	10.916	10.916	0.0	97	151485	53.2	
160 Hexachlorobenzene	284	10.991	10.991	0.0	98	156608	53.8	
165 Pentachlorophenol	266	11.194	11.194	0.0	97	100211	52.8	
171 Phenanthrene	178	11.392	11.392	0.0	99	724328	51.9	
172 Anthracene	178	11.440	11.440	0.0	100	740074	51.9	
173 Carbazole	167	11.606	11.606	0.0	100	712191	53.3	
176 Di-n-butyl phthalate	149	11.937	11.937	0.0	99	860371	53.7	
182 Fluoranthene	202	12.503	12.503	0.0	98	831576	53.0	
183 Benzidine	184	12.621	12.621	0.0	100	449212	52.8	
185 Pyrene	202	12.706	12.706	0.0	99	852521	52.0	
192 Butyl benzyl phthalate	149	13.256	13.256	0.0	98	393306	51.8	
196 3,3'-Dichlorobenzidine	252	13.727	13.727	0.0	54	358574	52.9	
198 Bis(2-ethylhexyl) phthalate	149	13.748	13.748	0.0	88	545981	52.2	
197 Benzo[a]anthracene	228	13.753	13.753	0.0	54	826689	51.7	
199 Chrysene	228	13.785	13.785	0.0	98	899753	52.5	
201 Di-n-octyl phthalate	149	14.282	14.282	0.0	100	1064987	53.0	
203 Benzo[b]fluoranthene	252	14.677	14.677	0.0	97	1077183	53.7	
204 Benzo[k]fluoranthene	252	14.699	14.699	0.0	97	1063969	52.7	
206 Benzo[a]pyrene	252	14.971	14.971	0.0	98	918035	53.1	
208 Indeno[1,2,3-cd]pyrene	276	16.120	16.120	0.0	80	1078564	51.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
209 Dibenz(a,h)anthracene	278	16.120	16.120	0.0	80	928549	53.3	
210 Benzo[g,h,i]perylene	276	16.430	16.430	0.0	97	889170	50.5	
S 212 3 & 4 Methylphenol	108				0		51.3	
S 213 Total Cresols	1				0		102.6	
S 214 3-Methylphenol	1				0		51.3	

Report Date: 04-Nov-2011 17:32:15

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20111104-7273.b\X0416.D

Injection Date: 04-Nov-2011 13:32:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 38940

Lims Sample ID: 5

Operator ID: RJF

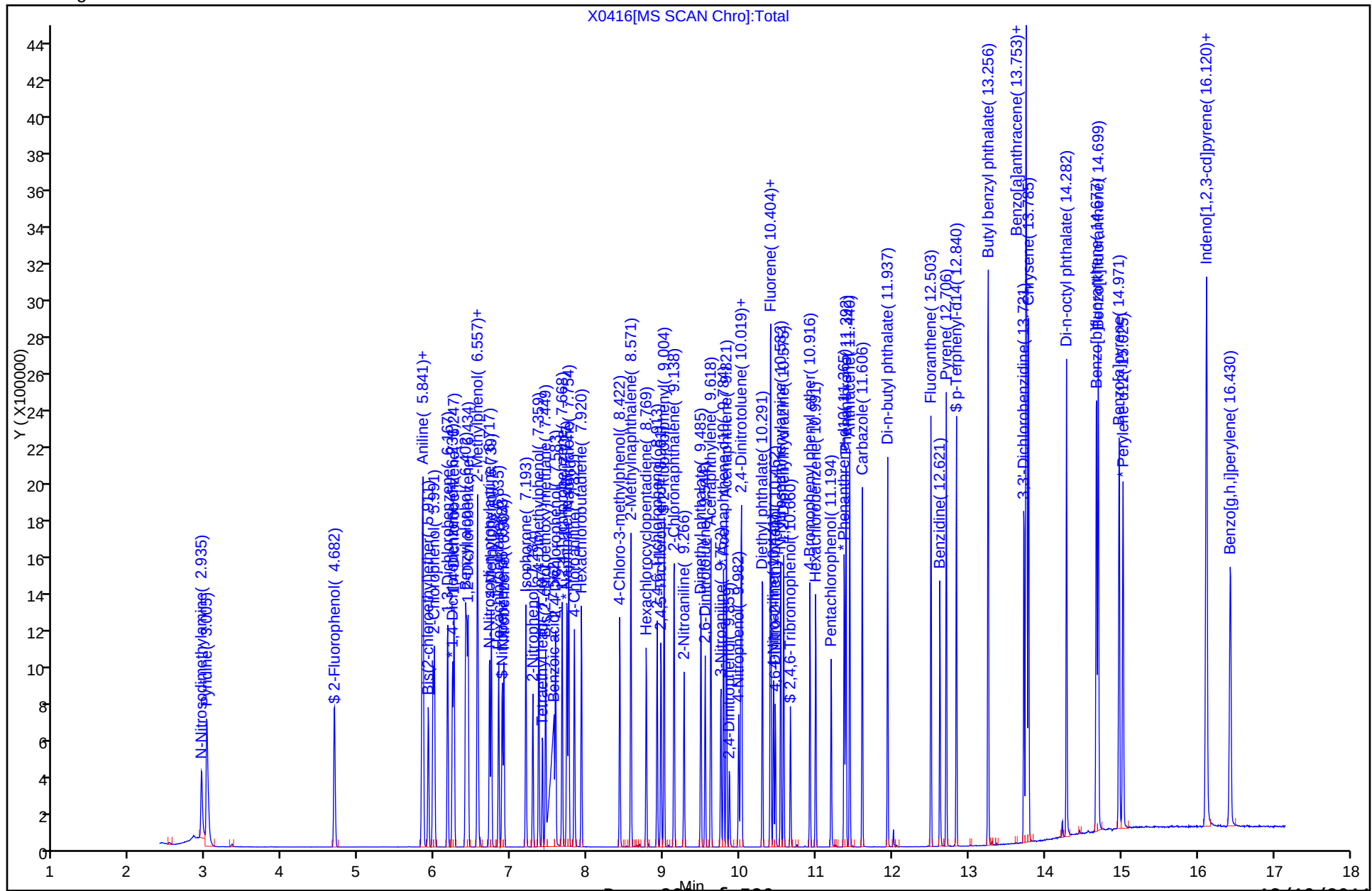
Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:

X0416[MS SCAN Chro]:Total



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20111104-7273.b\X0417.D
 Lims ID: IC - 8270 - 20PT Client ID:
 Inject. Date: 04-Nov-2011 13:55:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: 480-0007273-006
 Misc. Info.: IC - 8270 - 20PT
 Operator: RJF Instrument ID: HP5973X
 Vol. Injected: 1.0000 ALS Bottle#: 6
 Lims Batch ID: 38940 Lims Sample ID: 6
 Sublist: chrom-X-8270*sub15
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973X\20111104-7273.b\X-8270.m
 Last Update: 04-Nov-2011 17:32:19 Calib Date: 04-Nov-2011 13:55:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973X\20111104-7273.b\X0417.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: franzr

Date: 04-Nov-2011 15:05:13

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.231	6.231	0.0	94	163327	40.0	
* 2 Naphthalene-d8	136	7.727	7.727	0.0	93	600135	40.0	
* 3 Acenaphthene-d10	164	9.784	9.784	0.0	31	330072	40.0	
* 4 Phenanthrene-d10	188	11.365	11.365	0.0	99	530704	40.0	
* 5 Chrysene-d12	240	13.764	13.764	0.0	100	674940	40.0	
* 6 Perylene-d12	264	15.025	15.025	0.0	99	768346	40.0	
\$ 7 2-Fluorophenol	112	4.688	4.682	0.006	93	125204	20.5	
\$ 8 Phenol-d5	99	5.831	5.831	0.0	90	140342	21.4	
\$ 9 Nitrobenzene-d5	82	6.883	6.883	0.0	94	111618	20.2	
\$ 10 2-Fluorobiphenyl	172	9.004	9.004	0.0	99	213895	21.6	
\$ 11 2,4,6-Tribromophenol	330	10.666	10.665	0.001	68	27077	20.6	
\$ 12 p-Terphenyl-d14	244	12.840	12.840	0.0	99	258758	21.5	
55 N-Nitrosodimethylamine	42	2.951	2.935	0.016	78	73173	20.9	
56 Pyridine	52	3.021	3.005	0.016	90	120985	21.6	
64 Aniline	93	5.842	5.841	0.001	83	183894	22.0	
63 Phenol	94	5.842	5.847	-0.005	79	163030	21.7	
66 Bis(2-chloroethyl)ether	93	5.911	5.911	0.0	82	121306	20.4	
67 2-Chlorophenol	128	5.991	5.991	0.0	98	125758	21.0	
69 1,3-Dichlorobenzene	146	6.167	6.167	0.0	95	132242	21.2	
70 1,4-Dichlorobenzene	146	6.253	6.247	0.006	86	134282	21.3	
71 Benzyl alcohol	108	6.402	6.402	0.0	91	79298	21.4	
72 1,2-Dichlorobenzene	146	6.434	6.434	0.0	66	126789	21.7	
73 2-Methylphenol	108	6.557	6.557	0.0	95	104720	21.2	
74 2,2'-oxybis[1-chloropropane]	45	6.563	6.563	0.0	89	179380	20.5	
78 N-Nitrosodi-n-propylamine	70	6.712	6.717	-0.005	97	79976	20.3	
79 4-Methylphenol	108	6.739	6.739	0.0	92	109240	20.8	
81 Hexachloroethane	117	6.835	6.835	0.0	94	47861	21.2	
83 Nitrobenzene	77	6.905	6.904	0.001	91	116172	20.7	
86 Isophorone	82	7.193	7.193	0.0	97	202660	20.6	
87 2-Nitrophenol	139	7.284	7.284	0.0	85	58465	20.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
89 2,4-Dimethylphenol	107	7.364	7.359	0.005	93	110197	20.8	
90 Tetraethyl lead	237	7.412	7.407	0.005	52	47878	22.8	
94 Bis(2-chloroethoxy)methane	93	7.450	7.449	0.001	96	126350	21.0	
95 Benzoic acid	105	7.546	7.562	-0.016	59	492933	116.3	
97 2,4-Dichlorophenol	162	7.583	7.583	0.0	85	93937	22.0	
98 1,2,4-Trichlorobenzene	180	7.669	7.668	0.001	96	99487	21.5	
99 Naphthalene	128	7.754	7.754	0.0	90	316270	21.9	
101 4-Chloroaniline	127	7.829	7.829	0.0	98	135496	21.1	
104 Hexachlorobutadiene	225	7.920	7.920	0.0	95	59285	21.8	
110 4-Chloro-3-methylphenol	107	8.422	8.422	0.0	95	87599	20.3	
113 2-Methylnaphthalene	142	8.571	8.571	0.0	95	198802	21.7	
116 Hexachlorocyclopentadiene	237	8.774	8.769	0.005	90	61608	19.8	
118 2,4,6-Trichlorophenol	196	8.913	8.913	0.0	94	63474	20.9	
119 2,4,5-Trichlorophenol	196	8.967	8.961	0.006	94	66883	20.4	
124 2-Chloronaphthalene	162	9.138	9.138	0.0	98	192527	21.6	
125 2-Nitroaniline	65	9.266	9.266	0.0	91	54340	20.4	
128 Dimethyl phthalate	163	9.490	9.490	0.0	97	221602	21.1	
130 2,6-Dinitrotoluene	165	9.544	9.544	0.0	27	47476	20.4	
131 Acenaphthylene	152	9.618	9.618	0.0	98	281484	21.4	
132 3-Nitroaniline	138	9.747	9.752	-0.005	95	53748	20.4	
133 Acenaphthene	153	9.821	9.821	0.0	99	171380	21.3	
134 2,4-Dinitrophenol	184	9.864	9.864	0.0	75	14606	18.1	
135 4-Nitrophenol	109	9.982	9.982	0.0	85	28592	18.5	
137 2,4-Dinitrotoluene	165	10.008	10.008	0.0	90	64643	21.6	
138 Dibenzofuran	168	10.019	10.019	0.0	96	262468	19.8	
142 Diethyl phthalate	149	10.292	10.297	-0.005	100	205990	21.3	
144 Fluorene	166	10.398	10.398	0.0	99	205666	20.0	
145 4-Chlorophenyl phenyl ether	204	10.404	10.404	0.0	84	102303	20.2	
147 4-Nitroaniline	138	10.436	10.441	-0.005	84	53710	20.1	
148 4,6-Dinitro-2-methylphenol	198	10.463	10.462	0.001	95	33177	20.2	
149 N-Nitrosodiphenylamine	169	10.532	10.532	0.0	97	151229	21.6	
152 1,2-Diphenylhydrazine	77	10.575	10.575	0.0	99	200708	20.8	
159 4-Bromophenyl phenyl ether	248	10.917	10.916	0.001	97	60987	21.5	
160 Hexachlorobenzene	284	10.991	10.991	0.0	95	64348	22.0	
165 Pentachlorophenol	266	11.200	11.194	0.006	93	34433	18.4	
171 Phenanthrene	178	11.387	11.392	-0.005	98	302606	22.0	
172 Anthracene	178	11.440	11.440	0.0	99	302694	21.6	
173 Carbazole	167	11.600	11.606	-0.006	99	295267	22.2	
176 Di-n-butyl phthalate	149	11.937	11.937	0.0	99	341172	21.7	
182 Fluoranthene	202	12.503	12.503	0.0	98	346994	22.3	
183 Benzidine	184	12.621	12.621	0.0	100	179158	21.0	
185 Pyrene	202	12.706	12.706	0.0	98	360604	21.5	
192 Butyl benzyl phthalate	149	13.257	13.256	0.001	98	165130	21.6	
196 3,3'-Dichlorobenzidine	252	13.721	13.727	-0.006	53	143574	20.8	
198 Bis(2-ethylhexyl) phthalate	149	13.748	13.748	0.0	79	224131	21.4	
197 Benzo[a]anthracene	228	13.748	13.753	-0.005	52	370648	22.6	
199 Chrysene	228	13.785	13.785	0.0	98	383601	21.9	
201 Di-n-octyl phthalate	149	14.282	14.282	0.0	100	413686	20.7	
203 Benzo[b]fluoranthene	252	14.672	14.677	-0.005	97	431728	21.5	
204 Benzo[k]fluoranthene	252	14.694	14.699	-0.005	94	459052	22.9	
206 Benzo[a]pyrene	252	14.971	14.971	0.0	98	370875	21.5	
208 Indeno[1,2,3-cd]pyrene	276	16.109	16.120	-0.011	85	446925	21.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
209 Dibenz(a,h)anthracene	278	16.115	16.120	-0.005	81	386306	22.3	
210 Benzo[g,h,i]perylene	276	16.424	16.430	-0.006	98	361775	20.8	
S 212 3 & 4 Methylphenol	108				0		20.8	
S 213 Total Cresols	1				0		42.0	
S 214 3-Methylphenol	1				0		20.8	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20111104-7273.b\X0418.D
 Lims ID: IC - 8270 - 5PT Client ID:
 Inject. Date: 04-Nov-2011 14:17:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: IC - 8270 5PT
 Misc. Info.: IC - 8270 5PT
 Operator: RJF Instrument ID: HP5973X
 Vol. Injected: 1.0000 ALS Bottle#: 7
 Lims Batch ID: 38940 Lims Sample ID: 7
 Sublist: chrom-X-8270*sub15
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973X\20111104-7273.b\X-8270.m
 Last Update: 04-Nov-2011 17:32:23 Calib Date: 04-Nov-2011 14:17:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973X\20111104-7273.b\X0418.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: franzr

Date: 04-Nov-2011 15:05:15

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.231	6.231	0.0	94	191649	40.0	
* 2 Naphthalene-d8	136	7.733	7.727	0.006	93	704542	40.0	
* 3 Acenaphthene-d10	164	9.784	9.784	0.0	42	387085	40.0	
* 4 Phenanthrene-d10	188	11.365	11.365	0.0	99	619943	40.0	
* 5 Chrysene-d12	240	13.764	13.764	0.0	99	794843	40.0	
* 6 Perylene-d12	264	15.025	15.025	0.0	99	914418	40.0	
\$ 7 2-Fluorophenol	112	4.688	4.682	0.006	87	35008	4.93	
\$ 8 Phenol-d5	99	5.825	5.831	-0.006	81	40695	5.32	
\$ 9 Nitrobenzene-d5	82	6.883	6.883	0.0	90	31191	4.89	
\$ 10 2-Fluorobiphenyl	172	9.004	9.004	0.0	99	64063	5.57	
\$ 11 2,4,6-Tribromophenol	330	10.665	10.665	0.0	53	6948	4.55	
\$ 12 p-Terphenyl-d14	244	12.840	12.840	0.0	98	80595	5.65	
55 N-Nitrosodimethylamine	42	2.957	2.935	0.022	81	25382	5.84	
56 Pyridine	52	3.031	3.005	0.026	89	34405	5.06	
64 Aniline	93	5.841	5.841	0.0	85	56873	5.78	
63 Phenol	94	5.841	5.847	-0.006	75	49005	5.52	
66 Bis(2-chloroethyl)ether	93	5.911	5.911	0.0	80	37486	5.40	
67 2-Chlorophenol	128	5.991	5.991	0.0	98	37847	5.34	
69 1,3-Dichlorobenzene	146	6.167	6.167	0.0	93	39761	5.44	
70 1,4-Dichlorobenzene	146	6.253	6.247	0.006	31	40273	5.45	
71 Benzyl alcohol	108	6.402	6.402	0.0	91	22582	5.20	
72 1,2-Dichlorobenzene	146	6.434	6.434	0.0	67	38512	5.56	
73 2-Methylphenol	108	6.557	6.557	0.0	89	30674	5.34	
74 2,2'-oxybis[1-chloropropane]	45	6.563	6.563	0.0	87	54815	4.47	
78 N-Nitrosodi-n-propylamine	70	6.718	6.717	0.001	93	22035	4.87	
79 4-Methylphenol	108	6.739	6.739	0.0	89	31491	5.12	
81 Hexachloroethane	117	6.835	6.835	0.0	91	13528	5.08	
83 Nitrobenzene	77	6.905	6.904	0.001	87	32649	5.04	
86 Isophorone	82	7.193	7.193	0.0	95	55522	4.94	
87 2-Nitrophenol	139	7.284	7.284	0.0	74	15379	4.53	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
89 2,4-Dimethylphenol	107	7.364	7.359	0.005	90	31667	5.16	
90 Tetraethyl lead	237	7.412	7.407	0.005	50	13639	5.51	
94 Bis(2-chloroethoxy)methane	93	7.455	7.449	0.006	92	37958	5.43	
95 Benzoic acid	105	7.551	7.562	-0.011	58	495423	98.5	
97 2,4-Dichlorophenol	162	7.583	7.583	0.0	77	27522	5.40	
98 1,2,4-Trichlorobenzene	180	7.668	7.668	0.0	86	29571	5.48	
99 Naphthalene	128	7.754	7.754	0.0	81	96649	5.71	
101 4-Chloroaniline	127	7.834	7.829	0.005	93	39630	5.28	
104 Hexachlorobutadiene	225	7.920	7.920	0.0	78	17238	5.36	
110 4-Chloro-3-methylphenol	107	8.427	8.422	0.005	87	25553	5.11	
113 2-Methylnaphthalene	142	8.571	8.571	0.0	95	59556	5.55	
116 Hexachlorocyclopentadiene	237	8.774	8.769	0.005	75	15843	4.44	
118 2,4,6-Trichlorophenol	196	8.913	8.913	0.0	77	17423	4.91	
119 2,4,5-Trichlorophenol	196	8.967	8.961	0.006	78	17937	4.73	
124 2-Chloronaphthalene	162	9.138	9.138	0.0	98	57359	5.50	
125 2-Nitroaniline	65	9.271	9.266	0.005	80	13429	4.34	
128 Dimethyl phthalate	163	9.490	9.490	0.0	97	65327	5.36	
130 2,6-Dinitrotoluene	165	9.549	9.544	0.005	23	11775	4.30	
131 Acenaphthylene	152	9.618	9.618	0.0	97	80879	5.34	
132 3-Nitroaniline	138	9.752	9.752	0.0	88	13373	4.36	
133 Acenaphthene	153	9.821	9.821	0.0	98	51404	5.56	
134 2,4-Dinitrophenol	184	9.864	9.864	0.0	62	5584	11.2	
135 4-Nitrophenol	109	9.982	9.982	0.0	85	16178	9.09	
137 2,4-Dinitrotoluene	165	10.014	10.008	0.006	78	17450	4.87	
138 Dibenzofuran	168	10.024	10.019	0.005	95	80689	5.89	
142 Diethyl phthalate	149	10.292	10.297	-0.005	100	60582	5.43	
144 Fluorene	166	10.404	10.398	0.006	98	62130	5.86	
145 4-Chlorophenyl phenyl ether	204	10.404	10.404	0.0	75	33056	3.74	
147 4-Nitroaniline	138	10.436	10.441	-0.005	76	14351	4.62	
148 4,6-Dinitro-2-methylphenol	198	10.462	10.462	0.0	91	15510	9.88	
149 N-Nitrosodiphenylamine	169	10.532	10.532	0.0	96	45331	5.48	
152 1,2-Diphenylhydrazine	77	10.575	10.575	0.0	99	59749	5.41	
159 4-Bromophenyl phenyl ether	248	10.917	10.916	0.001	89	18261	5.47	
160 Hexachlorobenzene	284	10.991	10.991	0.0	88	20203	5.77	
165 Pentachlorophenol	266	11.200	11.194	0.006	81	16716	7.76	
171 Phenanthrene	178	11.387	11.392	-0.005	80	92760	5.80	
172 Anthracene	178	11.440	11.440	0.0	99	91784	5.65	
173 Carbazole	167	11.600	11.606	-0.006	99	87336	5.57	
176 Di-n-butyl phthalate	149	11.937	11.937	0.0	100	96854	5.29	
182 Fluoranthene	202	12.503	12.503	0.0	98	105882	5.80	
183 Benzidine	184	12.621	12.621	0.0	98	47206	4.68	
185 Pyrene	202	12.706	12.706	0.0	98	110350	5.57	
192 Butyl benzyl phthalate	149	13.256	13.256	0.0	98	46936	5.27	
196 3,3'-Dichlorobenzidine	252	13.721	13.727	-0.006	35	39621	4.89	
198 Bis(2-ethylhexyl) phthalate	149	13.748	13.748	0.0	77	68516	5.60	
197 Benzo[a]anthracene	228	13.748	13.753	-0.005	54	116632	6.00	
199 Chrysene	228	13.780	13.785	-0.005	96	118055	5.67	
201 Di-n-octyl phthalate	149	14.282	14.282	0.0	100	111552	4.77	
203 Benzo[b]fluoranthene	252	14.672	14.677	-0.005	99	138015	5.74	
204 Benzo[k]fluoranthene	252	14.694	14.699	-0.005	97	137732	5.74	
206 Benzo[a]pyrene	252	14.966	14.971	-0.005	98	110820	5.39	
208 Indeno[1,2,3-cd]pyrene	276	16.104	16.120	-0.016	87	140614	5.71	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
209 Dibenz(a,h)anthracene	278	16.109	16.120	-0.011	77	119674	5.77	
210 Benzo[g,h,i]perylene	276	16.419	16.430	-0.011	97	119703	5.77	
S 212 3 & 4 Methylphenol	108				0		5.12	
S 213 Total Cresols	1				0		10.5	
S 214 3-Methylphenol	1				0		5.12	

Report Date: 04-Nov-2011 17:32:23

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20111104-7273.b\X0418.D

Injection Date: 04-Nov-2011 14:17:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 38940

Lims Sample ID: 7

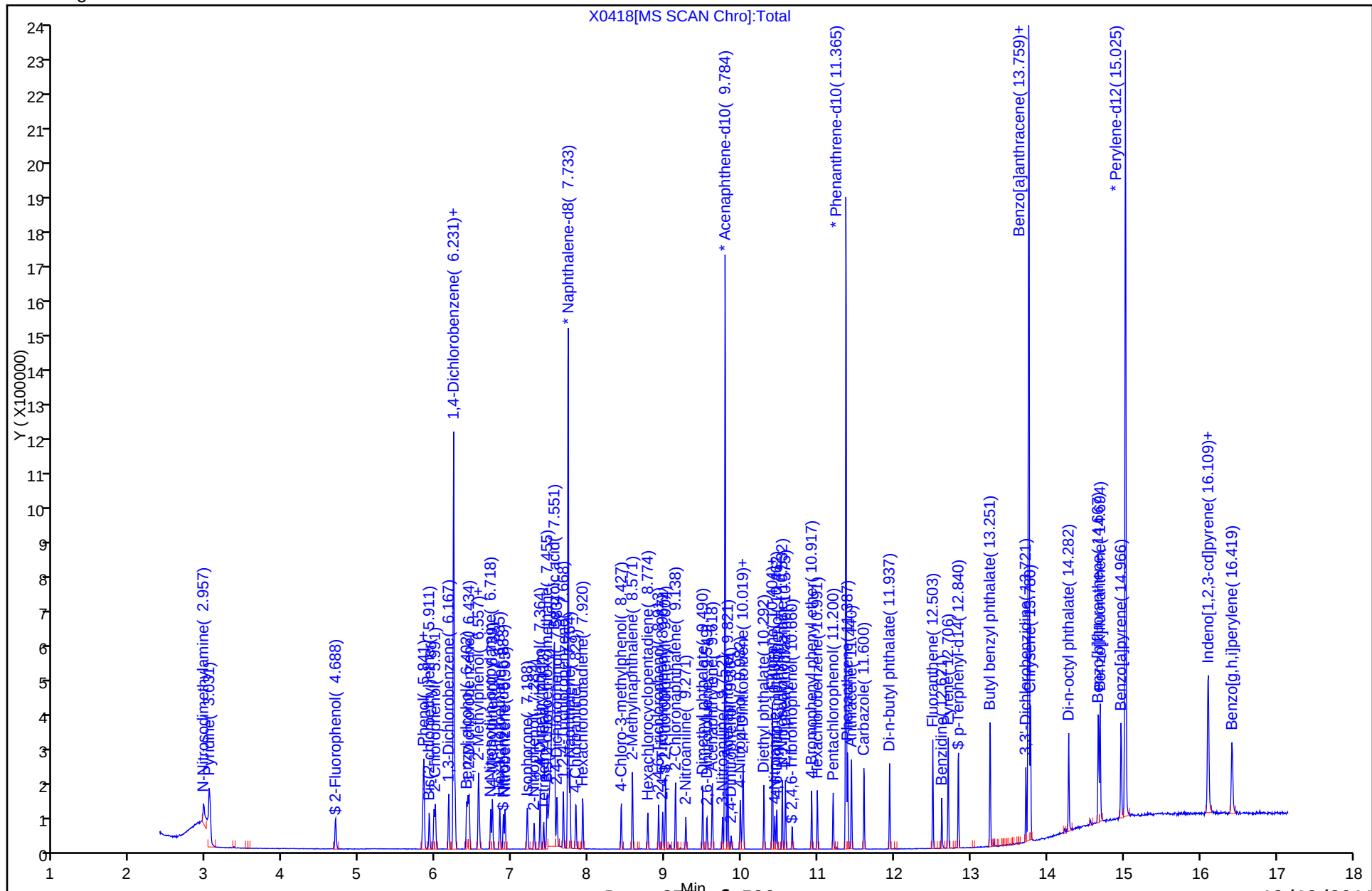
Operator ID: RJF

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.: 480-12393-1
SDG No.: _____
Lab Sample ID: CCVIS 480-39590/2 Calibration Date: 11/09/2011 12:53
Instrument ID: HP5973X Calib Start Date: 10/28/2011 17:27
GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 10/28/2011 19:21
Lab File ID: X0619.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
3,3'-Dimethylbenzidine	Ave	0.7399		0.0100		50000		100.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20111109-7399.b\X0619.D
 Lims ID: CCVIS - 8270 Client ID:
 Inject. Date: 09-Nov-2011 12:53:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: CCVIS
 Misc. Info.: CCVIS - 8270
 Operator: RJF Instrument ID: HP5973X
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 39590 Lims Sample ID: 2
 Sublist: chrom-X-8270*sub28
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973X\20111109-7399.b\X-8270.m
 Last Update: 09-Nov-2011 15:17:57 Calib Date: 04-Nov-2011 14:17:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973X\20111104-7273.b\X0418.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: franzzr

Date: 09-Nov-2011 15:17:57

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.210	6.210	0.0	94	188406	40.0	
* 2 Naphthalene-d8	136	7.717	7.717	0.0	98	696820	40.0	
* 3 Acenaphthene-d10	164	9.768	9.768	0.0	17	389265	40.0	
* 4 Phenanthrene-d10	188	11.355	11.355	0.0	99	630523	40.0	
* 5 Chrysene-d12	240	13.753	13.753	0.0	100	764493	40.0	
* 6 Perylene-d12	264	15.009	15.009	0.0	99	911162	40.0	
\$ 7 2-Fluorophenol	112	4.666	4.666	0.0	92	363415	52.1	
\$ 8 Phenol-d5	99	5.820	5.820	0.0	81	387882	51.6	
\$ 9 Nitrobenzene-d5	82	6.867	6.867	0.0	95	341342	54.1	
\$ 10 2-Fluorobiphenyl	172	8.993	8.993	0.0	91	602291	52.1	
\$ 11 2,4,6-Tribromophenol	330	10.649	10.649	0.0	64	82715	53.2	
\$ 12 p-Terphenyl-d14	244	12.829	12.829	0.0	100	706877	51.5	
55 N-Nitrosodimethylamine	42	2.898	2.898	0.0	83	221437	51.8	
56 Pyridine	52	2.967	2.967	0.0	91	344986	51.6	
64 Aniline	93	5.820	5.820	0.0	97	496290	51.3	
63 Phenol	94	5.836	5.836	0.0	87	462099	52.9	
66 Bis(2-chloroethyl)ether	93	5.895	5.895	0.0	82	350482	51.4	
67 2-Chlorophenol	128	5.975	5.975	0.0	98	361366	51.8	
69 1,3-Dichlorobenzene	146	6.146	6.146	0.0	97	377890	52.6	
70 1,4-Dichlorobenzene	146	6.231	6.231	0.0	92	385160	53.0	
71 Benzyl alcohol	108	6.392	6.392	0.0	90	221954	52.0	
72 1,2-Dichlorobenzene	146	6.418	6.418	0.0	71	353794	52.0	
74 2,2'-oxybis[1-chloropropane]	45	6.547	6.547	0.0	86	501774	51.7	
73 2-Methylphenol	108	6.547	6.547	0.0	85	294182	52.1	
78 N-Nitrosodi-n-propylamine	70	6.701	6.701	0.0	95	242613	54.6	
79 4-Methylphenol	108	6.734	6.734	0.0	93	318762	52.7	
81 Hexachloroethane	117	6.814	6.814	0.0	93	138543	52.9	
83 Nitrobenzene	77	6.888	6.888	0.0	95	344772	53.8	
86 Isophorone	82	7.177	7.177	0.0	98	606749	54.6	
87 2-Nitrophenol	139	7.268	7.268	0.0	86	182050	54.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
89 2,4-Dimethylphenol	107	7.353	7.353	0.0	94	321654	53.0	
90 Tetraethyl lead	237	7.391	7.391	0.0	54	123339	50.4	
94 Bis(2-chloroethoxy)methane	93	7.439	7.439	0.0	96	362859	52.5	
95 Benzoic acid	105	7.567	7.567	0.0	84	738250	148.3	
97 2,4-Dichlorophenol	162	7.572	7.572	0.0	96	264765	52.6	
98 1,2,4-Trichlorobenzene	180	7.652	7.652	0.0	94	278271	52.2	
99 Naphthalene	128	7.738	7.738	0.0	95	883169	52.8	
101 4-Chloroaniline	127	7.818	7.818	0.0	98	389289	52.4	
104 Hexachlorobutadiene	225	7.903	7.903	0.0	98	168133	52.9	
110 4-Chloro-3-methylphenol	107	8.422	8.422	0.0	95	272765	55.1	
113 2-Methylnaphthalene	142	8.555	8.555	0.0	95	556081	52.4	
116 Hexachlorocyclopentadiene	237	8.758	8.758	0.0	89	190510	53.1	
118 2,4,6-Trichlorophenol	196	8.902	8.902	0.0	96	188470	52.9	
119 2,4,5-Trichlorophenol	196	8.961	8.961	0.0	96	200111	52.5	
124 2-Chloronaphthalene	162	9.122	9.122	0.0	99	541159	51.6	
125 2-Nitroaniline	65	9.255	9.255	0.0	94	175168	56.3	
128 Dimethyl phthalate	163	9.474	9.474	0.0	99	647089	52.8	
130 2,6-Dinitrotoluene	165	9.533	9.533	0.0	35	152084	55.2	
131 Acenaphthylene	152	9.602	9.602	0.0	98	806309	52.9	
132 3-Nitroaniline	138	9.741	9.741	0.0	96	166275	53.9	
133 Acenaphthene	153	9.805	9.805	0.0	99	484415	52.1	
134 2,4-Dinitrophenol	184	9.853	9.853	0.0	88	62881	44.1	
135 4-Nitrophenol	109	9.987	9.987	0.0	88	102219	57.1	
137 2,4-Dinitrotoluene	165	9.998	9.998	0.0	91	198822	55.2	
138 Dibenzofuran	168	10.008	10.008	0.0	97	727433	52.8	
142 Diethyl phthalate	149	10.281	10.281	0.0	100	611508	54.5	
144 Fluorene	166	10.388	10.388	0.0	99	567073	53.2	
145 4-Chlorophenyl phenyl ether	204	10.393	10.393	0.0	97	277848	52.4	
147 4-Nitroaniline	138	10.430	10.430	0.0	84	171953	55.0	
148 4,6-Dinitro-2-methylphenol	198	10.452	10.452	0.0	97	128139	54.2	
149 N-Nitrosodiphenylamine	169	10.521	10.521	0.0	99	440107	52.3	
152 1,2-Diphenylhydrazine	77	10.559	10.559	0.0	99	612063	55.1	
159 4-Bromophenyl phenyl ether	248	10.906	10.906	0.0	98	175917	51.8	
160 Hexachlorobenzene	284	10.981	10.981	0.0	98	180579	50.7	
165 Pentachlorophenol	266	11.189	11.189	0.0	95	119212	54.4	
171 Phenanthrene	178	11.376	11.376	0.0	100	846642	52.1	
172 Anthracene	178	11.429	11.429	0.0	99	865776	52.4	
173 Carbazole	167	11.595	11.595	0.0	100	838019	52.6	
176 Di-n-butyl phthalate	149	11.926	11.926	0.0	99	1046471	56.2	
182 Fluoranthene	202	12.492	12.492	0.0	99	972898	52.4	
183 Benzidine	184	12.610	12.610	0.0	100	465102	47.9	
185 Pyrene	202	12.695	12.695	0.0	99	1007730	52.9	
191 3,3'-Dimethylbenzidine	212		13.240					
192 Butyl benzyl phthalate	149	13.246	13.246	0.0	99	490416	57.2	
196 3,3'-Dichlorobenzidine	252	13.710	13.710	0.0	61	427802	54.9	
198 Bis(2-ethylhexyl) phthalate	149	13.737	13.737	0.0	87	671882	57.1	
197 Benzo[a]anthracene	228	13.737	13.737	0.0	51	990251	53.0	
199 Chrysene	228	13.775	13.775	0.0	98	1048241	52.4	
201 Di-n-octyl phthalate	149	14.266	14.266	0.0	99	1311148	58.3	
203 Benzo[b]fluoranthene	252	14.661	14.661	0.0	98	1223558	51.1	
204 Benzo[k]fluoranthene	252	14.683	14.683	0.0	96	1254939	52.5	
206 Benzo[a]pyrene	252	14.955	14.955	0.0	98	1077739	52.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
208 Indeno[1,2,3-cd]pyrene	276	16.098	16.098	0.0	79	1248765	50.9	
209 Dibenz(a,h)anthracene	278	16.098	16.098	0.0	83	1065501	51.6	
210 Benzo[g,h,i]perylene	276	16.408	16.408	0.0	98	1047705	50.6	
S 212 3 & 4 Methylphenol	108				0		52.7	
S 213 Total Cresols	1				0		104.8	
S 214 3-Methylphenol	1				0		52.7	

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20111109-7399.b\X0619.D

Injection Date: 09-Nov-2011 12:53:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 39590

Lims Sample ID: 2

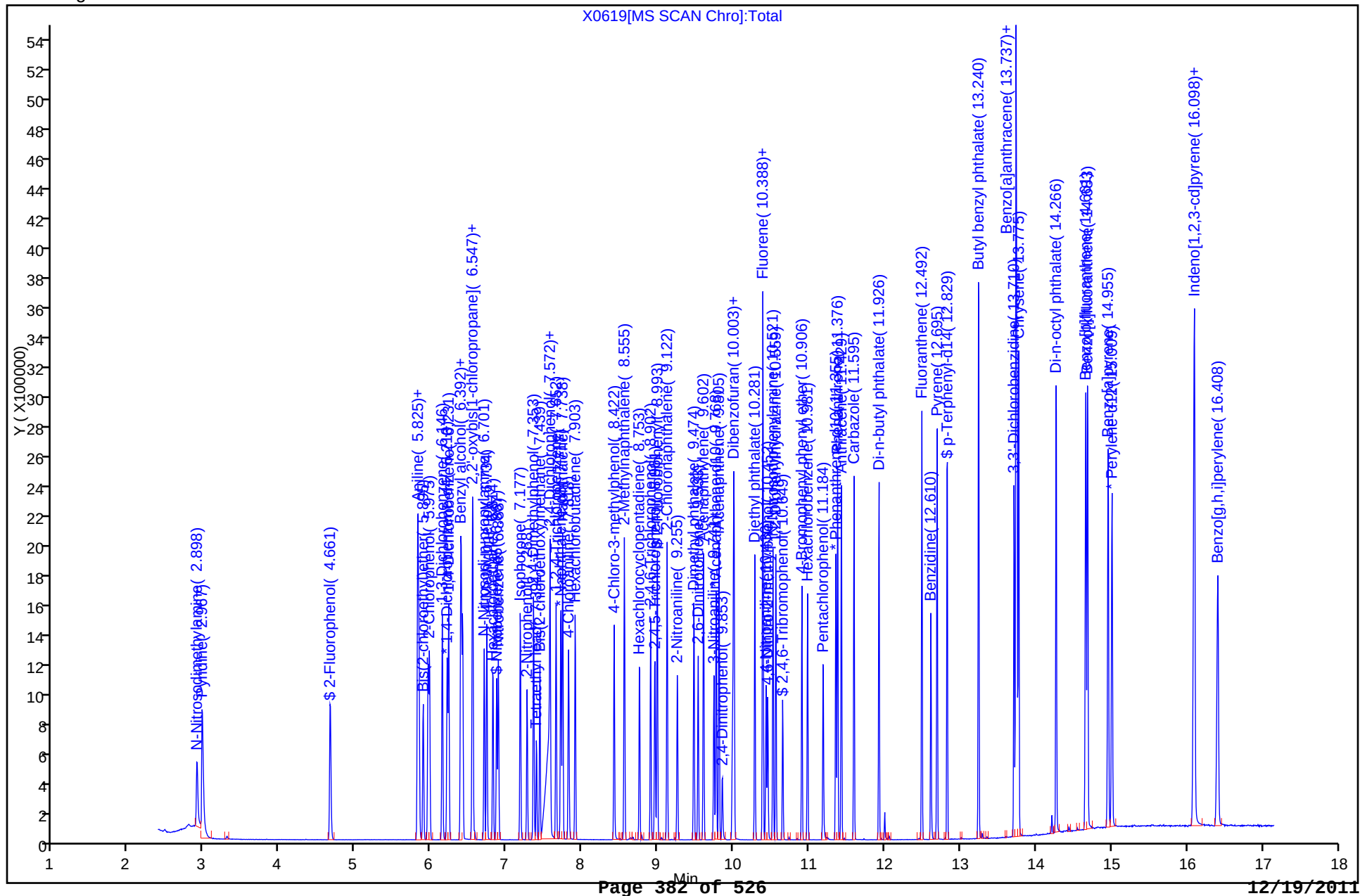
Operator ID: RJF

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.: 480-12393-1

SDG No.: _____

Lab Sample ID: CCVIS 480-39590/2 Calibration Date: 11/09/2011 12:53

Instrument ID: HP5973X Calib Start Date: 11/04/2011 12:23

GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 11/04/2011 14:17

Lab File ID: X0619.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Ave	0.9076	0.9403	0.0100	51800	50000	3.6	25.0
Pyridine	Ave	1.420	1.465	0.0100	51600	50000	3.1	100.0
Aniline	Ave	2.052	2.107	0.0100	51300	50000	2.7	100.0
Phenol	Ave	1.854	1.962	0.0100	52900	50000	5.8	20.0
Bis(2-chloroethyl)ether	Ave	1.448	1.488	0.0100	51400	50000	2.8	25.0
2-Chlorophenol	Ave	1.480	1.534	0.0100	51800	50000	3.7	25.0
1,3-Dichlorobenzene	Ave	1.525	1.605	0.0100	52600	50000	5.2	25.0
1,4-Dichlorobenzene	Ave	1.543	1.635	0.0100	53000	50000	6.0	20.0
Benzyl alcohol	Ave	0.9068	0.9425	0.0100	52000	50000	3.9	100.0
1,2-Dichlorobenzene	Ave	1.445	1.502	0.0100	52000	50000	4.0	25.0
2-Methylphenol	Ave	1.200	1.249	0.0100	52100	50000	4.1	25.0
bis (2-chloroisopropyl) ether	Qua		2.131	0.0100	51700	50000	3.4	25.0
N-Nitrosodi-n-propylamine	Ave	0.9439	1.030	0.0500	54600	50000	9.1	25.0
4-Methylphenol	Ave	1.283	1.354	0.0100	52700	50000	5.5	25.0
Hexachloroethane	Ave	0.5560	0.5883	0.0100	52900	50000	5.8	25.0
Nitrobenzene	Ave	0.3681	0.3958	0.0100	53800	50000	7.5	25.0
Isophorone	Ave	0.6385	0.6966	0.0100	54600	50000	9.1	25.0
2-Nitrophenol	Ave	0.1929	0.2090	0.0100	54200	50000	8.4	20.0
2,4-Dimethylphenol	Ave	0.3485	0.3693	0.0100	53000	50000	5.9	25.0
Tetraethyl lead	Ave	0.1405	0.1416	0.0100	50400	50000	0.8	40.0
Bis(2-chloroethoxy)methane	Ave	0.3966	0.4166	0.0100	52500	50000	5.0	25.0
Benzoic acid	Ave	0.2857	0.2825	0.0100	148000	150000	-1.1	25.0
2,4-Dichlorophenol	Ave	0.2891	0.3040	0.0100	52600	50000	5.1	20.0
1,2,4-Trichlorobenzene	Ave	0.3063	0.3195	0.0100	52200	50000	4.3	25.0
Naphthalene	Ave	0.9605	1.014	0.0100	52800	50000	5.6	25.0
4-Chloroaniline	Ave	0.4265	0.4469	0.0100	52400	50000	4.8	25.0
Hexachlorobutadiene	Ave	0.1825	0.1930	0.0100	52900	50000	5.8	20.0
4-Chloro-3-methylphenol	Ave	0.2842	0.3132	0.0100	55100	50000	10.2	20.0
2-Methylnaphthalene	Ave	0.6087	0.6384	0.0100	52400	50000	4.9	25.0
Hexachlorocyclopentadiene	Ave	0.3688	0.3915	0.0500	53100	50000	6.2	25.0
2,4,6-Trichlorophenol	Ave	0.3664	0.3873	0.0100	52900	50000	5.7	20.0
2,4,5-Trichlorophenol	Ave	0.3919	0.4113	0.0100	52500	50000	4.9	25.0
2-Chloronaphthalene	Ave	1.078	1.112	0.0100	51600	50000	3.1	25.0
2-Nitroaniline	Ave	0.3198	0.3600	0.0100	56300	50000	12.6	25.0
Dimethyl phthalate	Ave	1.260	1.330	0.0100	52800	50000	5.5	25.0
2,6-Dinitrotoluene	Ave	0.2832	0.3126	0.0100	55200	50000	10.4	25.0
Acenaphthylene	Ave	1.566	1.657	0.0100	52900	50000	5.9	25.0
3-Nitroaniline	Ave	0.3169	0.3417	0.0100	53900	50000	7.8	25.0
Acenaphthene	Ave	0.9561	0.996	0.0100	52100	50000	4.1	20.0
2,4-Dinitrophenol	Lin1		0.1292	0.0500	44100	50000	-11.8	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1

SDG No.: _____

Lab Sample ID: CCVIS 480-39590/2 Calibration Date: 11/09/2011 12:53

Instrument ID: HP5973X Calib Start Date: 11/04/2011 12:23

GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 11/04/2011 14:17

Lab File ID: X0619.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Nitrophenol	Ave	0.1840	0.2101	0.0500	57100	50000	14.2	25.0
2,4-Dinitrotoluene	Ave	0.3702	0.4086	0.0100	55200	50000	10.4	25.0
Dibenzofuran	Ave	1.416	1.495	0.0100	52800	50000	5.5	25.0
Diethyl phthalate	Ave	1.153	1.257	0.0100	54500	50000	9.0	25.0
Fluorene	Ave	1.096	1.165	0.0100	53200	50000	6.4	25.0
4-Chlorophenyl phenyl ether	Qua		0.5710	0.0100	52400	50000	4.8	25.0
4-Nitroaniline	Ave	0.3210	0.3534	0.0100	55000	50000	10.1	25.0
4,6-Dinitro-2-methylphenol	Lin1		0.1626	0.0100	54200	50000	8.4	25.0
N-Nitrosodiphenylamine	Ave	0.5341	0.5584	0.0100	52300	50000	4.5	20.0
1,2-Diphenylhydrazine	Ave	1.141	1.258	0.0100	55100	50000	10.3	25.0
4-Bromophenyl phenyl ether	Ave	0.2154	0.2232	0.0100	51800	50000	3.6	25.0
Hexachlorobenzene	Ave	0.2258	0.2291	0.0100	50700	50000	1.5	25.0
Pentachlorophenol	Ave	0.1390	0.1513	0.0100	54400	50000	8.8	20.0
Phenanthrene	Ave	1.031	1.074	0.0100	52100	50000	4.2	25.0
Anthracene	Ave	1.047	1.098	0.0100	52400	50000	4.9	25.0
Carbazole	Ave	1.012	1.063	0.0100	52600	50000	5.1	25.0
Di-n-butyl phthalate	Ave	1.181	1.328	0.0100	56200	50000	12.4	25.0
Fluoranthene	Ave	1.179	1.234	0.0100	52400	50000	4.7	20.0
Benzidine	Ave	0.5080	0.4867	0.0100	47900	50000	-4.2	25.0
Pyrene	Ave	0.997	1.055	0.0100	52900	50000	5.8	25.0
Butyl benzyl phthalate	Ave	0.4485	0.5132	0.0100	57200	50000	14.4	25.0
3,3'-Dichlorobenzidine	Ave	0.4080	0.4477	0.0100	54900	50000	9.7	25.0
Benz(a)anthracene	Ave	0.9778	1.036	0.0100	53000	50000	6.0	25.0
Bis(2-ethylhexyl) phthalate	Ave	0.6158	0.7031	0.0100	57100	50000	14.2	25.0
Chrysene	Ave	1.047	1.097	0.0100	52400	50000	4.8	25.0
Di-n-octyl phthalate	Ave	1.176	1.372	0.0100	58300	50000	16.7	20.0
Benzo(b)fluoranthene	Ave	1.052	1.074	0.0100	51100	50000	2.1	25.0
Benzo(k)fluoranthene	Ave	1.049	1.102	0.0100	52500	50000	5.0	25.0
Benzo(a)pyrene	Ave	0.8993	0.9463	0.0100	52600	50000	5.2	20.0
Dibenz(a,h)anthracene	Ave	0.9067	0.9355	0.0100	51600	50000	3.2	25.0
Indeno(1,2,3-c,d)pyrene	Ave	1.078	1.096	0.0100	50900	50000	1.7	25.0
Benzo(g,h,i)perylene	Ave	0.9083	0.9199	0.0100	50600	50000	1.3	25.0
2-Fluorophenol	Ave	1.482	1.543	0.0100	52100	50000	4.1	25.0
Phenol-d5	Ave	1.595	1.647	0.0100	51600	50000	3.3	25.0
Nitrobenzene-d5	Ave	0.3621	0.3919	0.0100	54100	50000	8.2	25.0
2-Fluorobiphenyl	Ave	1.189	1.238	0.0100	52100	50000	4.1	25.0
2,4,6-Tribromophenol	Ave	0.0985	0.1050	0.0100	53200	50000	6.5	25.0
p-Terphenyl-d14	Ave	0.7181	0.7397	0.0100	51500	50000	3.0	25.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20111109-7399.b\X0619.D
 Lims ID: CCVIS - 8270 Client ID:
 Inject. Date: 09-Nov-2011 12:53:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: CCVIS
 Misc. Info.: CCVIS - 8270
 Operator: RJF Instrument ID: HP5973X
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 39590 Lims Sample ID: 2
 Sublist: chrom-X-8270*sub28
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973X\20111109-7399.b\X-8270.m
 Last Update: 09-Nov-2011 15:17:57 Calib Date: 04-Nov-2011 14:17:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973X\20111104-7273.b\X0418.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: franzr

Date: 09-Nov-2011 15:17:57

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.210	6.210	0.0	94	188406	40.0	
* 2 Naphthalene-d8	136	7.717	7.717	0.0	98	696820	40.0	
* 3 Acenaphthene-d10	164	9.768	9.768	0.0	17	389265	40.0	
* 4 Phenanthrene-d10	188	11.355	11.355	0.0	99	630523	40.0	
* 5 Chrysene-d12	240	13.753	13.753	0.0	100	764493	40.0	
* 6 Perylene-d12	264	15.009	15.009	0.0	99	911162	40.0	
\$ 7 2-Fluorophenol	112	4.666	4.666	0.0	92	363415	52.1	
\$ 8 Phenol-d5	99	5.820	5.820	0.0	81	387882	51.6	
\$ 9 Nitrobenzene-d5	82	6.867	6.867	0.0	95	341342	54.1	
\$ 10 2-Fluorobiphenyl	172	8.993	8.993	0.0	91	602291	52.1	
\$ 11 2,4,6-Tribromophenol	330	10.649	10.649	0.0	64	82715	53.2	
\$ 12 p-Terphenyl-d14	244	12.829	12.829	0.0	100	706877	51.5	
55 N-Nitrosodimethylamine	42	2.898	2.898	0.0	83	221437	51.8	
56 Pyridine	52	2.967	2.967	0.0	91	344986	51.6	
64 Aniline	93	5.820	5.820	0.0	97	496290	51.3	
63 Phenol	94	5.836	5.836	0.0	87	462099	52.9	
66 Bis(2-chloroethyl)ether	93	5.895	5.895	0.0	82	350482	51.4	
67 2-Chlorophenol	128	5.975	5.975	0.0	98	361366	51.8	
69 1,3-Dichlorobenzene	146	6.146	6.146	0.0	97	377890	52.6	
70 1,4-Dichlorobenzene	146	6.231	6.231	0.0	92	385160	53.0	
71 Benzyl alcohol	108	6.392	6.392	0.0	90	221954	52.0	
72 1,2-Dichlorobenzene	146	6.418	6.418	0.0	71	353794	52.0	
74 2,2'-oxybis[1-chloropropane]	45	6.547	6.547	0.0	86	501774	51.7	
73 2-Methylphenol	108	6.547	6.547	0.0	85	294182	52.1	
78 N-Nitrosodi-n-propylamine	70	6.701	6.701	0.0	95	242613	54.6	
79 4-Methylphenol	108	6.734	6.734	0.0	93	318762	52.7	
81 Hexachloroethane	117	6.814	6.814	0.0	93	138543	52.9	
83 Nitrobenzene	77	6.888	6.888	0.0	95	344772	53.8	
86 Isophorone	82	7.177	7.177	0.0	98	606749	54.6	
87 2-Nitrophenol	139	7.268	7.268	0.0	86	182050	54.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
89 2,4-Dimethylphenol	107	7.353	7.353	0.0	94	321654	53.0	
90 Tetraethyl lead	237	7.391	7.391	0.0	54	123339	50.4	
94 Bis(2-chloroethoxy)methane	93	7.439	7.439	0.0	96	362859	52.5	
95 Benzoic acid	105	7.567	7.567	0.0	84	738250	148.3	
97 2,4-Dichlorophenol	162	7.572	7.572	0.0	96	264765	52.6	
98 1,2,4-Trichlorobenzene	180	7.652	7.652	0.0	94	278271	52.2	
99 Naphthalene	128	7.738	7.738	0.0	95	883169	52.8	
101 4-Chloroaniline	127	7.818	7.818	0.0	98	389289	52.4	
104 Hexachlorobutadiene	225	7.903	7.903	0.0	98	168133	52.9	
110 4-Chloro-3-methylphenol	107	8.422	8.422	0.0	95	272765	55.1	
113 2-Methylnaphthalene	142	8.555	8.555	0.0	95	556081	52.4	
116 Hexachlorocyclopentadiene	237	8.758	8.758	0.0	89	190510	53.1	
118 2,4,6-Trichlorophenol	196	8.902	8.902	0.0	96	188470	52.9	
119 2,4,5-Trichlorophenol	196	8.961	8.961	0.0	96	200111	52.5	
124 2-Chloronaphthalene	162	9.122	9.122	0.0	99	541159	51.6	
125 2-Nitroaniline	65	9.255	9.255	0.0	94	175168	56.3	
128 Dimethyl phthalate	163	9.474	9.474	0.0	99	647089	52.8	
130 2,6-Dinitrotoluene	165	9.533	9.533	0.0	35	152084	55.2	
131 Acenaphthylene	152	9.602	9.602	0.0	98	806309	52.9	
132 3-Nitroaniline	138	9.741	9.741	0.0	96	166275	53.9	
133 Acenaphthene	153	9.805	9.805	0.0	99	484415	52.1	
134 2,4-Dinitrophenol	184	9.853	9.853	0.0	88	62881	44.1	
135 4-Nitrophenol	109	9.987	9.987	0.0	88	102219	57.1	
137 2,4-Dinitrotoluene	165	9.998	9.998	0.0	91	198822	55.2	
138 Dibenzofuran	168	10.008	10.008	0.0	97	727433	52.8	
142 Diethyl phthalate	149	10.281	10.281	0.0	100	611508	54.5	
144 Fluorene	166	10.388	10.388	0.0	99	567073	53.2	
145 4-Chlorophenyl phenyl ether	204	10.393	10.393	0.0	97	277848	52.4	
147 4-Nitroaniline	138	10.430	10.430	0.0	84	171953	55.0	
148 4,6-Dinitro-2-methylphenol	198	10.452	10.452	0.0	97	128139	54.2	
149 N-Nitrosodiphenylamine	169	10.521	10.521	0.0	99	440107	52.3	
152 1,2-Diphenylhydrazine	77	10.559	10.559	0.0	99	612063	55.1	
159 4-Bromophenyl phenyl ether	248	10.906	10.906	0.0	98	175917	51.8	
160 Hexachlorobenzene	284	10.981	10.981	0.0	98	180579	50.7	
165 Pentachlorophenol	266	11.189	11.189	0.0	95	119212	54.4	
171 Phenanthrene	178	11.376	11.376	0.0	100	846642	52.1	
172 Anthracene	178	11.429	11.429	0.0	99	865776	52.4	
173 Carbazole	167	11.595	11.595	0.0	100	838019	52.6	
176 Di-n-butyl phthalate	149	11.926	11.926	0.0	99	1046471	56.2	
182 Fluoranthene	202	12.492	12.492	0.0	99	972898	52.4	
183 Benzidine	184	12.610	12.610	0.0	100	465102	47.9	
185 Pyrene	202	12.695	12.695	0.0	99	1007730	52.9	
191 3,3'-Dimethylbenzidine	212		13.240					
192 Butyl benzyl phthalate	149	13.246	13.246	0.0	99	490416	57.2	
196 3,3'-Dichlorobenzidine	252	13.710	13.710	0.0	61	427802	54.9	
198 Bis(2-ethylhexyl) phthalate	149	13.737	13.737	0.0	87	671882	57.1	
197 Benzo[a]anthracene	228	13.737	13.737	0.0	51	990251	53.0	
199 Chrysene	228	13.775	13.775	0.0	98	1048241	52.4	
201 Di-n-octyl phthalate	149	14.266	14.266	0.0	99	1311148	58.3	
203 Benzo[b]fluoranthene	252	14.661	14.661	0.0	98	1223558	51.1	
204 Benzo[k]fluoranthene	252	14.683	14.683	0.0	96	1254939	52.5	
206 Benzo[a]pyrene	252	14.955	14.955	0.0	98	1077739	52.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
208 Indeno[1,2,3-cd]pyrene	276	16.098	16.098	0.0	79	1248765	50.9	
209 Dibenz(a,h)anthracene	278	16.098	16.098	0.0	83	1065501	51.6	
210 Benzo[g,h,i]perylene	276	16.408	16.408	0.0	98	1047705	50.6	
S 212 3 & 4 Methylphenol	108				0		52.7	
S 213 Total Cresols	1				0		104.8	
S 214 3-Methylphenol	1				0		52.7	

Report Date: 09-Nov-2011 15:17:57

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File:

\\Bufchrom\ChromData\HP5973X\20111109-7399.b\X0619.D

Injection Date: 09-Nov-2011 12:53:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 39590

Lims Sample ID: 2

Operator ID: RJF

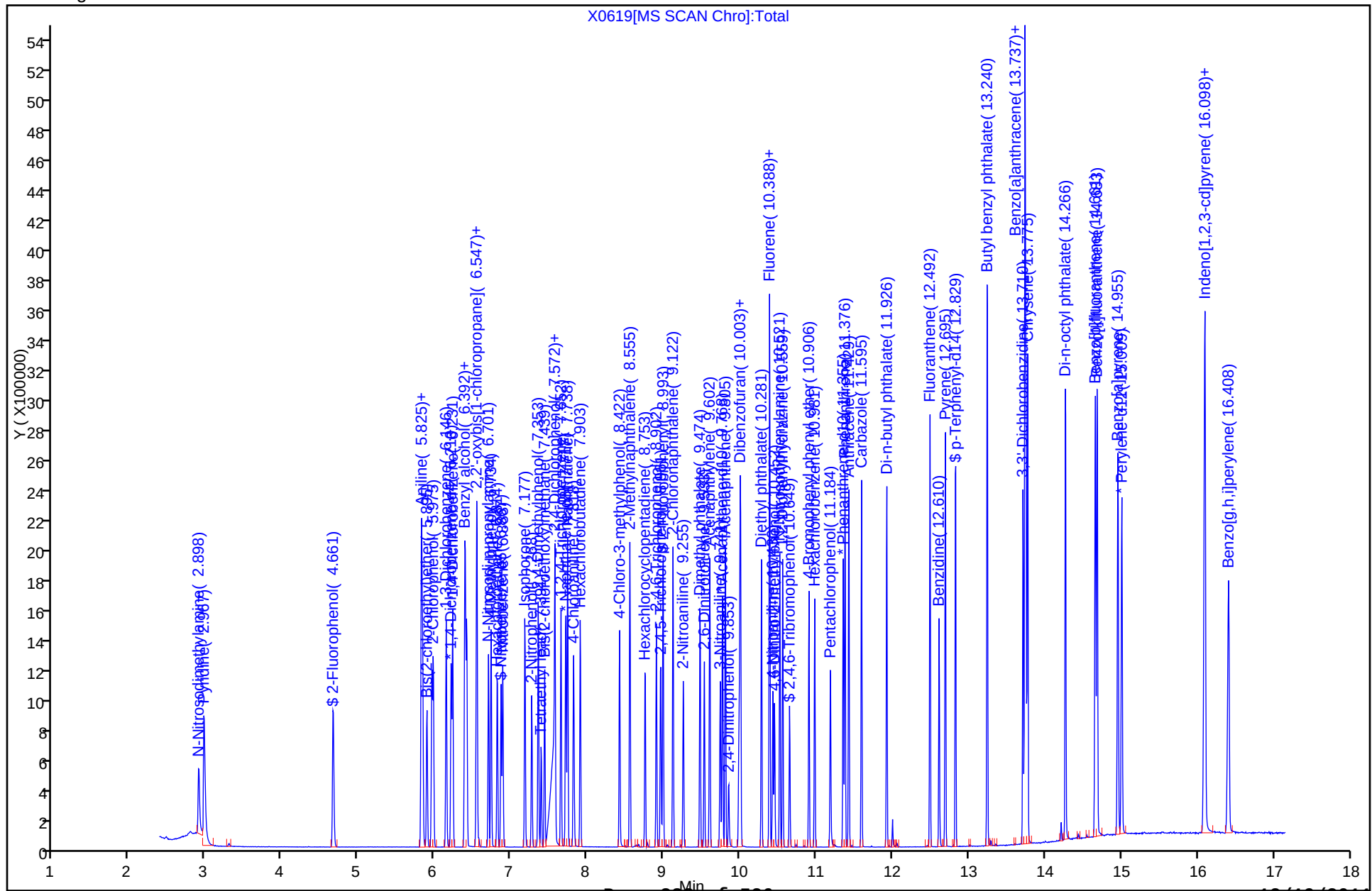
Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:

X0619[MS SCAN Chro]:Total



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1
SDG No.: _____
Lab Sample ID: CCVIS 480-39801/2 Calibration Date: 11/10/2011 15:25
Instrument ID: HP5973X Calib Start Date: 10/28/2011 17:27
GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 10/28/2011 19:21
Lab File ID: X0709.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
3,3'-Dimethylbenzidine	Ave	0.7399	0.5402	0.0100	36500	50000	-27.0	100.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20111110-7427.b\X0709.D
 Lims ID: CCVIS - 8270 Client ID:
 Inject. Date: 10-Nov-2011 15:25:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: CCVIS
 Misc. Info.: CCVIS - 8270
 Operator: RJF Instrument ID: HP5973X
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 39801 Lims Sample ID: 2
 Sublist: chrom-X-8270*sub28
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973X\20111110-7427.b\X-8270.m
 Last Update: 11-Nov-2011 10:05:02 Calib Date: 04-Nov-2011 14:17:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973X\20111104-7273.b\X0418.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: mckernar

Date: 11-Nov-2011 10:05:02

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.210	6.210	0.0	95	166942	40.0	
* 2 Naphthalene-d8	136	7.711	7.711	0.0	88	620559	40.0	
* 3 Acenaphthene-d10	164	9.768	9.768	0.0	12	350731	40.0	
* 4 Phenanthrene-d10	188	11.349	11.349	0.0	99	558872	40.0	
* 5 Chrysene-d12	240	13.748	13.748	0.0	99	686666	40.0	
* 6 Perylene-d12	264	15.003	15.003	0.0	99	809482	40.0	
\$ 7 2-Fluorophenol	112	4.655	4.655	0.0	95	313228	50.6	
\$ 8 Phenol-d5	99	5.809	5.809	0.0	92	349413	52.5	
\$ 9 Nitrobenzene-d5	82	6.862	6.862	0.0	96	300599	53.5	
\$ 10 2-Fluorobiphenyl	172	8.988	8.988	0.0	100	530960	50.9	
\$ 11 2,4,6-Tribromophenol	330	10.649	10.649	0.0	85	74861	54.4	
\$ 12 p-Terphenyl-d14	244	12.824	12.824	0.0	99	637380	51.7	
55 N-Nitrosodimethylamine	42	2.903	2.903	0.0	84	201795	53.3	
56 Pyridine	52	2.973	2.973	0.0	90	307093	51.8	
64 Aniline	93	5.820	5.820	0.0	85	431472	50.4	
63 Phenol	94	5.825	5.825	0.0	88	402734	52.1	
66 Bis(2-chloroethyl)ether	93	5.890	5.890	0.0	83	305230	50.5	
67 2-Chlorophenol	128	5.970	5.970	0.0	98	314271	50.9	
69 1,3-Dichlorobenzene	146	6.146	6.146	0.0	97	326239	51.3	
70 1,4-Dichlorobenzene	146	6.226	6.226	0.0	89	330287	51.3	
71 Benzyl alcohol	108	6.386	6.386	0.0	91	198558	52.5	
72 1,2-Dichlorobenzene	146	6.413	6.413	0.0	79	310189	51.4	
74 2,2'-oxybis[1-chloropropane]	45	6.541	6.541	0.0	86	454359	53.0	
73 2-Methylphenol	108	6.541	6.541	0.0	85	258271	51.6	
78 N-Nitrosodi-n-propylamine	70	6.696	6.696	0.0	97	214155	54.4	
79 4-Methylphenol	108	6.723	6.723	0.0	93	282341	52.7	
81 Hexachloroethane	117	6.814	6.814	0.0	94	123484	53.2	
83 Nitrobenzene	77	6.883	6.883	0.0	92	305559	53.5	
86 Isophorone	82	7.177	7.177	0.0	98	544285	54.9	
87 2-Nitrophenol	139	7.268	7.268	0.0	85	157499	52.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
89 2,4-Dimethylphenol	107	7.348	7.348	0.0	94	289933	53.6	
90 Tetraethyl lead	237	7.391	7.391	0.0	54	105003	48.2	
94 Bis(2-chloroethoxy)methane	93	7.433	7.433	0.0	97	322580	52.4	
95 Benzoic acid	105	7.562	7.562	0.0	80	620666	140.0	
97 2,4-Dichlorophenol	162	7.567	7.567	0.0	88	234568	52.3	
98 1,2,4-Trichlorobenzene	180	7.647	7.647	0.0	96	244712	51.5	
99 Naphthalene	128	7.733	7.733	0.0	98	775168	52.0	
101 4-Chloroaniline	127	7.813	7.813	0.0	98	350269	52.9	
104 Hexachlorobutadiene	225	7.904	7.904	0.0	98	150405	53.1	
110 4-Chloro-3-methylphenol	107	8.411	8.411	0.0	95	241759	54.8	
113 2-Methylnaphthalene	142	8.550	8.550	0.0	97	497735	52.7	
116 Hexachlorocyclopentadiene	237	8.753	8.753	0.0	91	165043	51.0	
118 2,4,6-Trichlorophenol	196	8.897	8.897	0.0	96	165354	51.5	
119 2,4,5-Trichlorophenol	196	8.951	8.951	0.0	97	177812	51.7	
124 2-Chloronaphthalene	162	9.116	9.116	0.0	99	488126	51.6	
125 2-Nitroaniline	65	9.250	9.250	0.0	95	156716	55.9	
128 Dimethyl phthalate	163	9.474	9.474	0.0	99	579764	52.5	
130 2,6-Dinitrotoluene	165	9.528	9.528	0.0	25	134076	54.0	
131 Acenaphthylene	152	9.597	9.597	0.0	99	722707	52.6	
132 3-Nitroaniline	138	9.736	9.736	0.0	97	148474	53.4	
133 Acenaphthene	153	9.805	9.805	0.0	100	438217	52.3	
134 2,4-Dinitrophenol	184	9.848	9.848	0.0	89	71105	53.4	
135 4-Nitrophenol	109	9.971	9.971	0.0	88	94849	58.8	
137 2,4-Dinitrotoluene	165	9.998	9.998	0.0	68	177671	54.7	
138 Dibenzofuran	168	10.003	10.003	0.0	90	653582	52.6	
142 Diethyl phthalate	149	10.281	10.281	0.0	100	555820	55.0	
144 Fluorene	166	10.382	10.382	0.0	99	509217	53.0	
145 4-Chlorophenyl phenyl ether	204	10.388	10.388	0.0	88	248017	51.8	
147 4-Nitroaniline	138	10.425	10.425	0.0	85	155039	55.1	
148 4,6-Dinitro-2-methylphenol	198	10.452	10.452	0.0	94	107960	51.7	
149 N-Nitrosodiphenylamine	169	10.521	10.521	0.0	98	391341	52.4	
152 1,2-Diphenylhydrazine	77	10.559	10.559	0.0	100	563536	56.3	
159 4-Bromophenyl phenyl ether	248	10.901	10.901	0.0	94	157437	52.3	
160 Hexachlorobenzene	284	10.975	10.975	0.0	98	163858	51.9	
165 Pentachlorophenol	266	11.184	11.184	0.0	97	101154	52.1	
171 Phenanthrene	178	11.376	11.376	0.0	99	762844	53.0	
172 Anthracene	178	11.424	11.424	0.0	99	782577	53.5	
173 Carbazole	167	11.590	11.590	0.0	100	758169	53.6	
176 Di-n-butyl phthalate	149	11.921	11.921	0.0	100	932064	56.5	
182 Fluoranthene	202	12.487	12.487	0.0	98	874046	53.1	
183 Benzidine	184	12.610	12.610	0.0	100	394109	45.2	
185 Pyrene	202	12.690	12.690	0.0	99	904208	52.8	
191 3,3'-Dimethylbenzidine	212	13.235	13.235	0.0	98	377365	36.5	
192 Butyl benzyl phthalate	149	13.240	13.240	0.0	97	435223	56.5	
196 3,3'-Dichlorobenzidine	252	13.711	13.711	0.0	57	369519	52.8	
198 Bis(2-ethylhexyl) phthalate	149	13.732	13.732	0.0	88	597169	56.5	
197 Benzo[a]anthracene	228	13.737	13.737	0.0	51	870043	51.8	
199 Chrysene	228	13.769	13.769	0.0	99	921133	51.2	
201 Di-n-octyl phthalate	149	14.266	14.266	0.0	100	1130209	56.0	
203 Benzo[b]fluoranthene	252	14.656	14.656	0.0	98	1070366	50.3	
204 Benzo[k]fluoranthene	252	14.677	14.677	0.0	96	1131542	53.3	
206 Benzo[a]pyrene	252	14.950	14.950	0.0	98	955150	52.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
208 Indeno[1,2,3-cd]pyrene	276	16.088	16.088	0.0	81	1118176	51.3	
209 Dibenz(a,h)anthracene	278	16.093	16.093	0.0	84	941128	51.3	
210 Benzo[g,h,i]perylene	276	16.398	16.398	0.0	98	932594	50.7	
S 214 3-Methylphenol	1				0		52.7	
S 213 Total Cresols	1				0		104.3	
S 212 3 & 4 Methylphenol	108				0		52.7	

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20111110-7427.b\X0709.D

Injection Date: 10-Nov-2011 15:25:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 39801

Lims Sample ID: 2

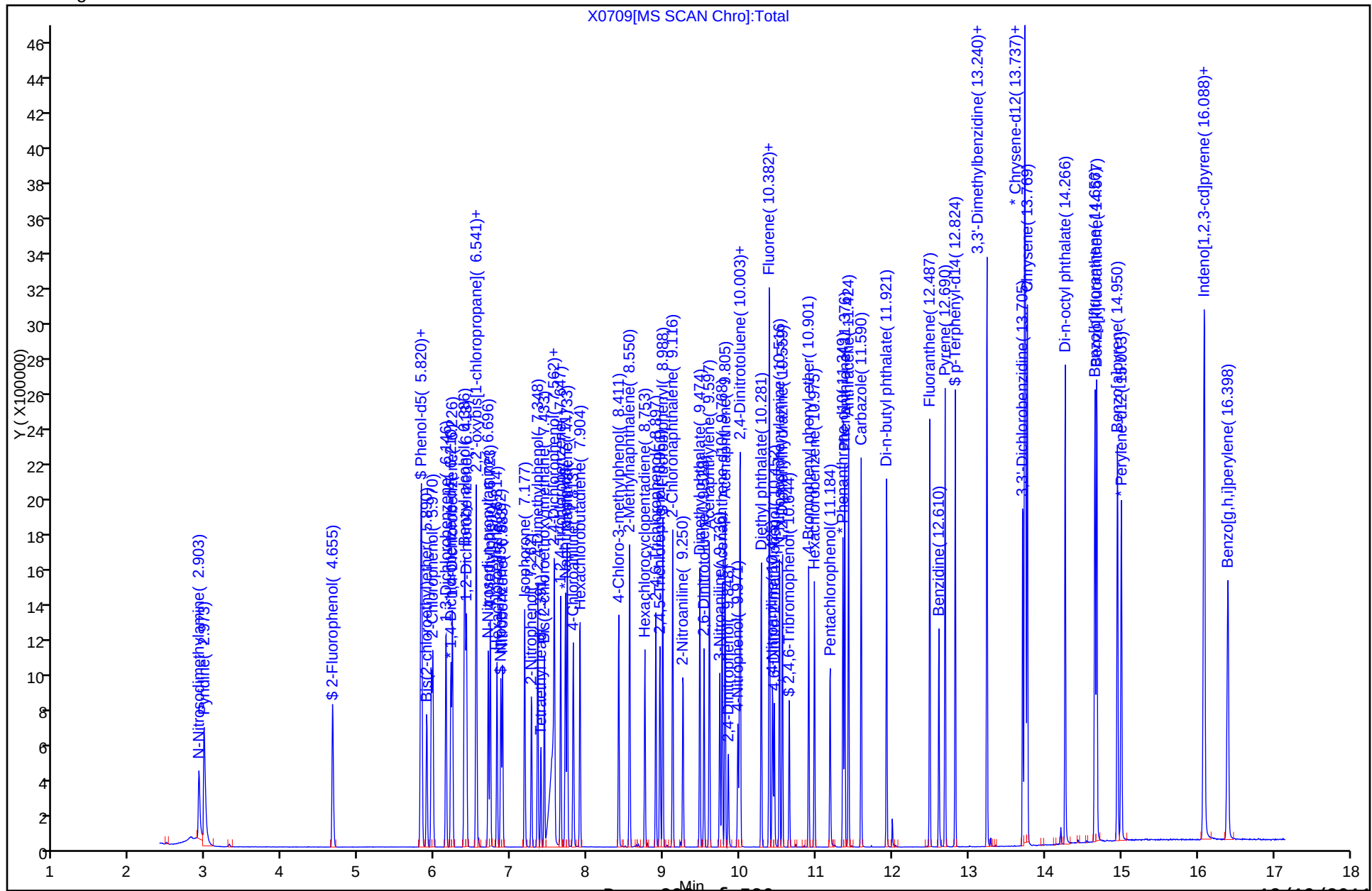
Operator ID: RJF

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.: 480-12393-1

SDG No.: _____

Lab Sample ID: CCVIS 480-39801/2 Calibration Date: 11/10/2011 15:25

Instrument ID: HP5973X Calib Start Date: 11/04/2011 12:23

GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 11/04/2011 14:17

Lab File ID: X0709.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Ave	0.9076	0.9670	0.0100	53300	50000	6.5	25.0
Pyridine	Ave	1.420	1.472	0.0100	51800	50000	3.6	100.0
Aniline	Ave	2.052	2.068	0.0100	50400	50000	0.8	100.0
Phenol	Ave	1.854	1.930	0.0100	52100	50000	4.1	20.0
Bis(2-chloroethyl)ether	Ave	1.448	1.463	0.0100	50500	50000	1.0	25.0
2-Chlorophenol	Ave	1.480	1.506	0.0100	50900	50000	1.8	25.0
1,3-Dichlorobenzene	Ave	1.525	1.563	0.0100	51300	50000	2.5	25.0
1,4-Dichlorobenzene	Ave	1.543	1.583	0.0100	51300	50000	2.6	20.0
Benzyl alcohol	Ave	0.9068	0.9515	0.0100	52500	50000	4.9	100.0
1,2-Dichlorobenzene	Ave	1.445	1.486	0.0100	51400	50000	2.9	25.0
2-Methylphenol	Ave	1.200	1.238	0.0100	51600	50000	3.2	25.0
bis (2-chloroisopropyl) ether	Qua		2.177	0.0100	53000	50000	6.0	25.0
N-Nitrosodi-n-propylamine	Ave	0.9439	1.026	0.0500	54400	50000	8.7	25.0
4-Methylphenol	Ave	1.283	1.353	0.0100	52700	50000	5.5	25.0
Hexachloroethane	Ave	0.5560	0.5918	0.0100	53200	50000	6.4	25.0
Nitrobenzene	Ave	0.3681	0.3939	0.0100	53500	50000	7.0	25.0
Isophorone	Ave	0.6385	0.7017	0.0100	54900	50000	9.9	25.0
2-Nitrophenol	Ave	0.1929	0.2030	0.0100	52600	50000	5.3	20.0
2,4-Dimethylphenol	Ave	0.3485	0.3738	0.0100	53600	50000	7.2	25.0
Tetraethyl lead	Ave	0.1405	0.1354	0.0100	48200	50000	-3.6	40.0
Bis(2-chloroethoxy)methane	Ave	0.3966	0.4159	0.0100	52400	50000	4.9	25.0
Benzoic acid	Ave	0.2857	0.2667	0.0100	140000	150000	-6.6	25.0
2,4-Dichlorophenol	Ave	0.2891	0.3024	0.0100	52300	50000	4.6	20.0
1,2,4-Trichlorobenzene	Ave	0.3063	0.3155	0.0100	51500	50000	3.0	25.0
Naphthalene	Ave	0.9605	0.999	0.0100	52000	50000	4.0	25.0
4-Chloroaniline	Ave	0.4265	0.4516	0.0100	52900	50000	5.9	25.0
Hexachlorobutadiene	Ave	0.1825	0.1939	0.0100	53100	50000	6.2	20.0
4-Chloro-3-methylphenol	Ave	0.2842	0.3117	0.0100	54800	50000	9.7	20.0
2-Methylnaphthalene	Ave	0.6087	0.6417	0.0100	52700	50000	5.4	25.0
Hexachlorocyclopentadiene	Ave	0.3688	0.3765	0.0500	51000	50000	2.1	25.0
2,4,6-Trichlorophenol	Ave	0.3664	0.3772	0.0100	51500	50000	2.9	20.0
2,4,5-Trichlorophenol	Ave	0.3919	0.4056	0.0100	51700	50000	3.5	25.0
2-Chloronaphthalene	Ave	1.078	1.113	0.0100	51600	50000	3.3	25.0
2-Nitroaniline	Ave	0.3198	0.3575	0.0100	55900	50000	11.8	25.0
Dimethyl phthalate	Ave	1.260	1.322	0.0100	52500	50000	4.9	25.0
2,6-Dinitrotoluene	Ave	0.2832	0.3058	0.0100	54000	50000	8.0	25.0
Acenaphthylene	Ave	1.566	1.648	0.0100	52600	50000	5.3	25.0
3-Nitroaniline	Ave	0.3169	0.3387	0.0100	53400	50000	6.9	25.0
Acenaphthene	Ave	0.9561	1.000	0.0100	52300	50000	4.5	20.0
2,4-Dinitrophenol	Lin1		0.1622	0.0500	53400	50000	6.8	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1

SDG No.: _____

Lab Sample ID: CCVIS 480-39801/2 Calibration Date: 11/10/2011 15:25

Instrument ID: HP5973X Calib Start Date: 11/04/2011 12:23

GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 11/04/2011 14:17

Lab File ID: X0709.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Nitrophenol	Ave	0.1840	0.2164	0.0500	58800	50000	17.6	25.0
2,4-Dinitrotoluene	Ave	0.3702	0.4053	0.0100	54700	50000	9.5	25.0
Dibenzofuran	Ave	1.416	1.491	0.0100	52600	50000	5.2	25.0
Diethyl phthalate	Ave	1.153	1.268	0.0100	55000	50000	9.9	25.0
Fluorene	Ave	1.096	1.162	0.0100	53000	50000	6.0	25.0
4-Chlorophenyl phenyl ether	Qua		0.5657	0.0100	51800	50000	3.6	25.0
4-Nitroaniline	Ave	0.3210	0.3536	0.0100	55100	50000	10.2	25.0
4,6-Dinitro-2-methylphenol	Lin1		0.1545	0.0100	51700	50000	3.4	25.0
N-Nitrosodiphenylamine	Ave	0.5341	0.5602	0.0100	52400	50000	4.9	20.0
1,2-Diphenylhydrazine	Ave	1.141	1.285	0.0100	56300	50000	12.7	25.0
4-Bromophenyl phenyl ether	Ave	0.2154	0.2254	0.0100	52300	50000	4.6	25.0
Hexachlorobenzene	Ave	0.2258	0.2346	0.0100	51900	50000	3.9	25.0
Pentachlorophenol	Ave	0.1390	0.1448	0.0100	52100	50000	4.2	20.0
Phenanthrene	Ave	1.031	1.092	0.0100	53000	50000	5.9	25.0
Anthracene	Ave	1.047	1.120	0.0100	53500	50000	7.0	25.0
Carbazole	Ave	1.012	1.085	0.0100	53600	50000	7.3	25.0
Di-n-butyl phthalate	Ave	1.181	1.334	0.0100	56500	50000	12.9	25.0
Fluoranthene	Ave	1.179	1.251	0.0100	53100	50000	6.1	20.0
Benzidine	Ave	0.5080	0.4592	0.0100	45200	50000	-9.6	25.0
Pyrene	Ave	0.997	1.053	0.0100	52800	50000	5.7	25.0
Butyl benzyl phthalate	Ave	0.4485	0.5071	0.0100	56500	50000	13.0	25.0
3,3'-Dichlorobenzidine	Ave	0.4080	0.4305	0.0100	52800	50000	5.5	25.0
Bis(2-ethylhexyl) phthalate	Ave	0.6158	0.6957	0.0100	56500	50000	13.0	25.0
Benz(a)anthracene	Ave	0.9778	1.014	0.0100	51800	50000	3.7	25.0
Chrysene	Ave	1.047	1.073	0.0100	51200	50000	2.5	25.0
Di-n-octyl phthalate	Ave	1.176	1.317	0.0100	56000	50000	12.0	20.0
Benzo(b)fluoranthene	Ave	1.052	1.058	0.0100	50300	50000	0.6	25.0
Benzo(k)fluoranthene	Ave	1.049	1.118	0.0100	53300	50000	6.6	25.0
Benzo(a)pyrene	Ave	0.8993	0.9440	0.0100	52500	50000	5.0	20.0
Indeno(1,2,3-c,d)pyrene	Ave	1.078	1.105	0.0100	51300	50000	2.5	25.0
Dibenz(a,h)anthracene	Ave	0.9067	0.9301	0.0100	51300	50000	2.6	25.0
Benzo(g,h,i)perylene	Ave	0.9083	0.9217	0.0100	50700	50000	1.5	25.0
2-Fluorophenol	Ave	1.482	1.501	0.0100	50600	50000	1.3	25.0
Phenol-d5	Ave	1.595	1.674	0.0100	52500	50000	5.0	25.0
Nitrobenzene-d5	Ave	0.3621	0.3875	0.0100	53500	50000	7.0	25.0
2-Fluorobiphenyl	Ave	1.189	1.211	0.0100	50900	50000	1.9	25.0
2,4,6-Tribromophenol	Ave	0.0985	0.1072	0.0100	54400	50000	8.7	25.0
p-Terphenyl-d14	Ave	0.7181	0.7426	0.0100	51700	50000	3.4	25.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20111110-7427.b\X0709.D
 Lims ID: CCVIS - 8270 Client ID:
 Inject. Date: 10-Nov-2011 15:25:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: CCVIS
 Misc. Info.: CCVIS - 8270
 Operator: RJF Instrument ID: HP5973X
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 39801 Lims Sample ID: 2
 Sublist: chrom-X-8270*sub28
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973X\20111110-7427.b\X-8270.m
 Last Update: 11-Nov-2011 10:05:02 Calib Date: 04-Nov-2011 14:17:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973X\20111104-7273.b\X0418.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: mckernar

Date: 11-Nov-2011 10:05:02

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.210	6.210	0.0	95	166942	40.0	
* 2 Naphthalene-d8	136	7.711	7.711	0.0	88	620559	40.0	
* 3 Acenaphthene-d10	164	9.768	9.768	0.0	12	350731	40.0	
* 4 Phenanthrene-d10	188	11.349	11.349	0.0	99	558872	40.0	
* 5 Chrysene-d12	240	13.748	13.748	0.0	99	686666	40.0	
* 6 Perylene-d12	264	15.003	15.003	0.0	99	809482	40.0	
\$ 7 2-Fluorophenol	112	4.655	4.655	0.0	95	313228	50.6	
\$ 8 Phenol-d5	99	5.809	5.809	0.0	92	349413	52.5	
\$ 9 Nitrobenzene-d5	82	6.862	6.862	0.0	96	300599	53.5	
\$ 10 2-Fluorobiphenyl	172	8.988	8.988	0.0	100	530960	50.9	
\$ 11 2,4,6-Tribromophenol	330	10.649	10.649	0.0	85	74861	54.4	
\$ 12 p-Terphenyl-d14	244	12.824	12.824	0.0	99	637380	51.7	
55 N-Nitrosodimethylamine	42	2.903	2.903	0.0	84	201795	53.3	
56 Pyridine	52	2.973	2.973	0.0	90	307093	51.8	
64 Aniline	93	5.820	5.820	0.0	85	431472	50.4	
63 Phenol	94	5.825	5.825	0.0	88	402734	52.1	
66 Bis(2-chloroethyl)ether	93	5.890	5.890	0.0	83	305230	50.5	
67 2-Chlorophenol	128	5.970	5.970	0.0	98	314271	50.9	
69 1,3-Dichlorobenzene	146	6.146	6.146	0.0	97	326239	51.3	
70 1,4-Dichlorobenzene	146	6.226	6.226	0.0	89	330287	51.3	
71 Benzyl alcohol	108	6.386	6.386	0.0	91	198558	52.5	
72 1,2-Dichlorobenzene	146	6.413	6.413	0.0	79	310189	51.4	
74 2,2'-oxybis[1-chloropropane]	45	6.541	6.541	0.0	86	454359	53.0	
73 2-Methylphenol	108	6.541	6.541	0.0	85	258271	51.6	
78 N-Nitrosodi-n-propylamine	70	6.696	6.696	0.0	97	214155	54.4	
79 4-Methylphenol	108	6.723	6.723	0.0	93	282341	52.7	
81 Hexachloroethane	117	6.814	6.814	0.0	94	123484	53.2	
83 Nitrobenzene	77	6.883	6.883	0.0	92	305559	53.5	
86 Isophorone	82	7.177	7.177	0.0	98	544285	54.9	
87 2-Nitrophenol	139	7.268	7.268	0.0	85	157499	52.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
89 2,4-Dimethylphenol	107	7.348	7.348	0.0	94	289933	53.6	
90 Tetraethyl lead	237	7.391	7.391	0.0	54	105003	48.2	
94 Bis(2-chloroethoxy)methane	93	7.433	7.433	0.0	97	322580	52.4	
95 Benzoic acid	105	7.562	7.562	0.0	80	620666	140.0	
97 2,4-Dichlorophenol	162	7.567	7.567	0.0	88	234568	52.3	
98 1,2,4-Trichlorobenzene	180	7.647	7.647	0.0	96	244712	51.5	
99 Naphthalene	128	7.733	7.733	0.0	98	775168	52.0	
101 4-Chloroaniline	127	7.813	7.813	0.0	98	350269	52.9	
104 Hexachlorobutadiene	225	7.904	7.904	0.0	98	150405	53.1	
110 4-Chloro-3-methylphenol	107	8.411	8.411	0.0	95	241759	54.8	
113 2-Methylnaphthalene	142	8.550	8.550	0.0	97	497735	52.7	
116 Hexachlorocyclopentadiene	237	8.753	8.753	0.0	91	165043	51.0	
118 2,4,6-Trichlorophenol	196	8.897	8.897	0.0	96	165354	51.5	
119 2,4,5-Trichlorophenol	196	8.951	8.951	0.0	97	177812	51.7	
124 2-Chloronaphthalene	162	9.116	9.116	0.0	99	488126	51.6	
125 2-Nitroaniline	65	9.250	9.250	0.0	95	156716	55.9	
128 Dimethyl phthalate	163	9.474	9.474	0.0	99	579764	52.5	
130 2,6-Dinitrotoluene	165	9.528	9.528	0.0	25	134076	54.0	
131 Acenaphthylene	152	9.597	9.597	0.0	99	722707	52.6	
132 3-Nitroaniline	138	9.736	9.736	0.0	97	148474	53.4	
133 Acenaphthene	153	9.805	9.805	0.0	100	438217	52.3	
134 2,4-Dinitrophenol	184	9.848	9.848	0.0	89	71105	53.4	
135 4-Nitrophenol	109	9.971	9.971	0.0	88	94849	58.8	
137 2,4-Dinitrotoluene	165	9.998	9.998	0.0	68	177671	54.7	
138 Dibenzofuran	168	10.003	10.003	0.0	90	653582	52.6	
142 Diethyl phthalate	149	10.281	10.281	0.0	100	555820	55.0	
144 Fluorene	166	10.382	10.382	0.0	99	509217	53.0	
145 4-Chlorophenyl phenyl ether	204	10.388	10.388	0.0	88	248017	51.8	
147 4-Nitroaniline	138	10.425	10.425	0.0	85	155039	55.1	
148 4,6-Dinitro-2-methylphenol	198	10.452	10.452	0.0	94	107960	51.7	
149 N-Nitrosodiphenylamine	169	10.521	10.521	0.0	98	391341	52.4	
152 1,2-Diphenylhydrazine	77	10.559	10.559	0.0	100	563536	56.3	
159 4-Bromophenyl phenyl ether	248	10.901	10.901	0.0	94	157437	52.3	
160 Hexachlorobenzene	284	10.975	10.975	0.0	98	163858	51.9	
165 Pentachlorophenol	266	11.184	11.184	0.0	97	101154	52.1	
171 Phenanthrene	178	11.376	11.376	0.0	99	762844	53.0	
172 Anthracene	178	11.424	11.424	0.0	99	782577	53.5	
173 Carbazole	167	11.590	11.590	0.0	100	758169	53.6	
176 Di-n-butyl phthalate	149	11.921	11.921	0.0	100	932064	56.5	
182 Fluoranthene	202	12.487	12.487	0.0	98	874046	53.1	
183 Benzidine	184	12.610	12.610	0.0	100	394109	45.2	
185 Pyrene	202	12.690	12.690	0.0	99	904208	52.8	
191 3,3'-Dimethylbenzidine	212	13.235	13.235	0.0	98	377365	36.5	
192 Butyl benzyl phthalate	149	13.240	13.240	0.0	97	435223	56.5	
196 3,3'-Dichlorobenzidine	252	13.711	13.711	0.0	57	369519	52.8	
198 Bis(2-ethylhexyl) phthalate	149	13.732	13.732	0.0	88	597169	56.5	
197 Benzo[a]anthracene	228	13.737	13.737	0.0	51	870043	51.8	
199 Chrysene	228	13.769	13.769	0.0	99	921133	51.2	
201 Di-n-octyl phthalate	149	14.266	14.266	0.0	100	1130209	56.0	
203 Benzo[b]fluoranthene	252	14.656	14.656	0.0	98	1070366	50.3	
204 Benzo[k]fluoranthene	252	14.677	14.677	0.0	96	1131542	53.3	
206 Benzo[a]pyrene	252	14.950	14.950	0.0	98	955150	52.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
208 Indeno[1,2,3-cd]pyrene	276	16.088	16.088	0.0	81	1118176	51.3	
209 Dibenz(a,h)anthracene	278	16.093	16.093	0.0	84	941128	51.3	
210 Benzo[g,h,i]perylene	276	16.398	16.398	0.0	98	932594	50.7	
S 214 3-Methylphenol	1				0		52.7	
S 213 Total Cresols	1				0		104.3	
S 212 3 & 4 Methylphenol	108				0		52.7	

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20111110-7427.b\X0709.D

Injection Date: 10-Nov-2011 15:25:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 39801

Lims Sample ID: 2

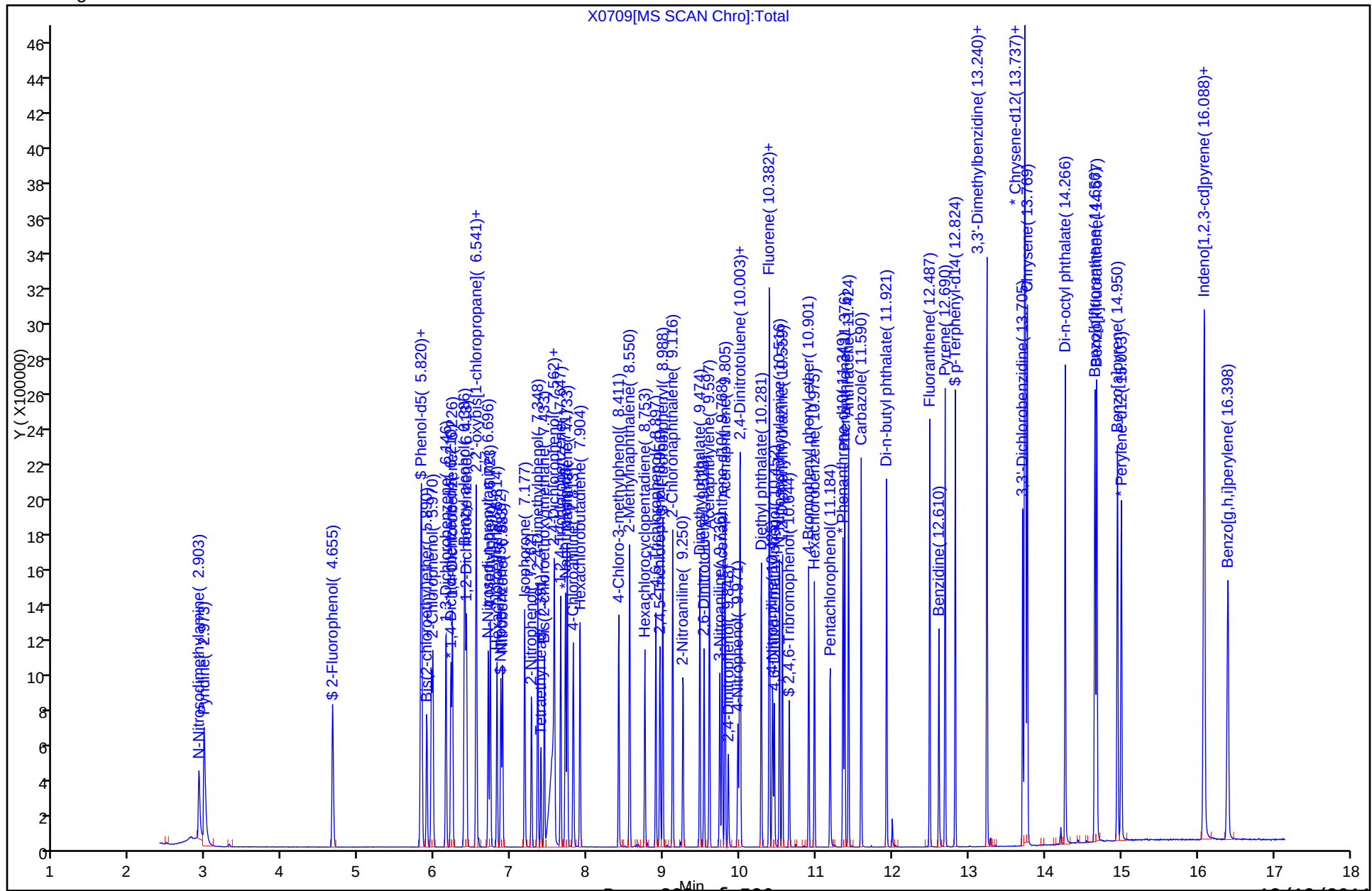
Operator ID: RJF

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\HP5973X\20111104-7273.b\X0409.D
Lims ID: DFTPP Client ID:
Inject. Date: 04-Nov-2011 11:02:30 Dil. Factor: 1.0000
Sample Type: DFTPP
Sample ID: DFTPP
Misc. Info.: DFTPP
Operator: RJF Instrument ID: HP5973X
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 38940 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973X\20111104-7273.b\X-8270.m
Last Update: 04-Nov-2011 15:04:58 Calib Date: 04-Nov-2011 14:17:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973X\20111104-7273.b\X0418.D
Limit Group: MB - 8270C ICAL
Integrator: RTE ID Type: RT Order ID
Process Host: CORP-CTX-19

First Level Reviewer: franzr

Date: 04-Nov-2011 15:04:58

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
84 Pentachlorophenol_T 93 DFTPP	266	6.947	6.947	0.0	94	121687	0	
109 Benzidine_T	184	8.278	8.278	0.0	99	886392	0	
111 4,4'-DDE	246		8.459					
115 4,4'-DDD	235	8.716	8.716	0.0	1	8171	0	
120 4,4'-DDT	235	8.961	8.961	0.0	97	375663	0	

Data File: \\Bufchrom\ChromData\HP5973X\20111104-7273.b\X0409.D

Injection Date: 04-Nov-2011 11:02:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 38940

Lims Sample ID: 1

Operator ID: RJF

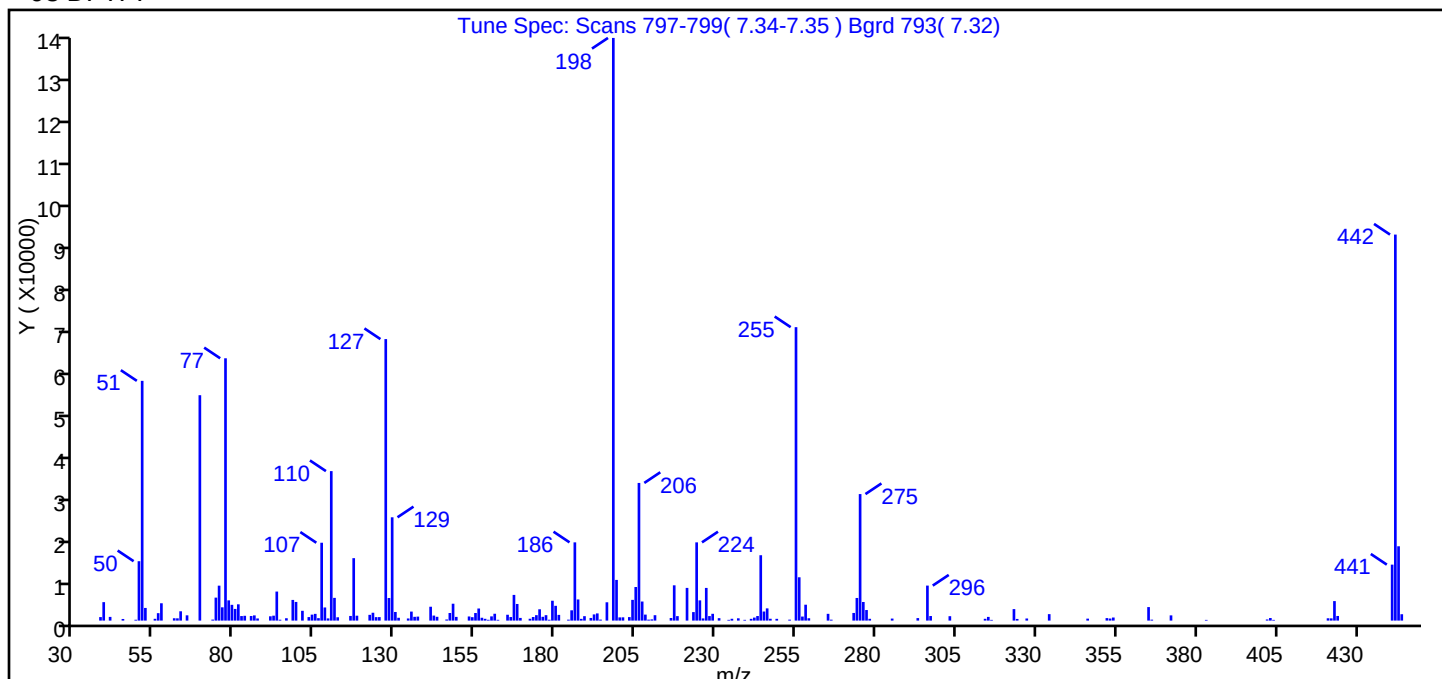
Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Tune Method: DFTPP Method 8270

93 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	41.15
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	38.68
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	48.31
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.98
275	10.00 - 30.00% of mass 198	21.71
365	Greater than 1.00% of mass 198	2.32
441	Present, but less than mass 443%	9.60 (75.30)
442	Greater than 40.00% of mass 198	66.25
443	17.00 - 23.00% of mass 442	12.76 (19.25)

Data File: \\Bufchrom\ChromData\HP5973X\20111104-7273.b\X0409.D\X-8270.rslt\spectra.d
Injection Date: 04-Nov-2011 11:02:30
Spectrum: Tune Spec: Scans 797-799(7.34-7.35) Bgrd 793(7.32)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 190

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	832	112.00	786	181.00	1353	249.00	418
39.00	4369	116.00	1101	184.00	223	253.00	223
40.00	14	117.00	14784	185.00	2436	255.00	69488
41.00	877	118.00	1161	186.00	18528	256.00	10259
45.00	385	122.00	1363	187.00	5006	257.00	958
49.00	201	123.00	1860	188.00	412	258.00	3763
50.00	14064	124.00	818	189.00	1048	259.00	556
51.00	56776	125.00	827	191.00	625	265.00	1603
52.00	2998	127.00	66664	192.00	1465	266.00	218
55.00	425	128.00	5348	193.00	1702	273.00	1810
56.00	1760	129.00	24464	194.00	236	274.00	5358
57.00	4104	130.00	2042	196.00	4338	275.00	29960
61.00	558	131.00	669	198.00	137984	276.00	4407
62.00	538	134.00	504	199.00	9633	277.00	2502
63.00	2205	135.00	2133	200.00	760	278.00	424
65.00	1249	136.00	895	201.00	776	285.00	480
69.00	53376	137.00	945	203.00	831	293.00	593
73.00	236	141.00	3282	204.00	4907	296.00	8290
74.00	5440	142.00	1189	205.00	7954	297.00	1083
75.00	8274	143.00	896	206.00	32600	303.00	1043
76.00	3145	146.00	262	207.00	4517	314.00	427
77.00	62120	147.00	1798	208.00	1420	315.00	875
78.00	4794	148.00	3998	209.00	230	316.00	171
79.00	3733	149.00	877	210.00	290	323.00	2724
80.00	2764	153.00	978	211.00	1277	324.00	392
81.00	3855	154.00	806	216.00	617	327.00	498
82.00	1076	155.00	1795	217.00	8355	334.00	1530
83.00	1137	156.00	2865	218.00	1061	346.00	462
85.00	1086	157.00	672	221.00	7742	352.00	590
86.00	1233	158.00	424	223.00	2012	353.00	490
87.00	507	159.00	192	224.00	18528	354.00	729
91.00	1020	160.00	1000	225.00	4793	365.00	3201
92.00	1164	161.00	1622	226.00	518	366.00	222

Report Date: 04-Nov-2011 15:04:58

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20111104-7273.b\X0409.D\X-8270.rslt\spectra.d

Injection Date: 04-Nov-2011 11:02:30

Spectrum: Tune Spec: Scans 797-799(7.34-7.35) Bgrd 793(7.32)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 190

m/z	Y	m/z	Y	m/z	Y	m/z	Y
93.00	6877	162.00	187	227.00	7738	372.00	1237
94.00	210	165.00	1385	228.00	1071	383.00	167
96.00	559	166.00	845	229.00	1610	402.00	266
98.00	4895	167.00	6083	231.00	575	403.00	609
99.00	4418	168.00	3937	234.00	178	404.00	170
101.00	2318	169.00	634	235.00	433	421.00	549
103.00	832	172.00	437	237.00	542	422.00	529
104.00	1413	173.00	848	239.00	178	423.00	4617
105.00	1595	174.00	1285	241.00	417	424.00	1095
106.00	575	175.00	2680	242.00	711	441.00	13253
107.00	18440	176.00	898	243.00	1080	442.00	91416
108.00	3109	177.00	1284	244.00	15481	443.00	17600
109.00	519	178.00	204	245.00	2150	444.00	1511
110.00	35400	179.00	4703	246.00	2892		
111.00	5381	180.00	3499	247.00	435		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20111109-7399.b\X0618.D
Lims ID: DFTPP Client ID:
Inject. Date: 09-Nov-2011 12:37:30 Dil. Factor: 1.0000
Sample Type: DFTPP
Sample ID: DFTPP
Misc. Info.: DFTPP
Operator: RJF Instrument ID: HP5973X
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 39590 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973X\20111109-7399.b\X-8270.m
Last Update: 09-Nov-2011 15:18:00 Calib Date: 04-Nov-2011 14:17:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973X\20111104-7273.b\X0418.D
Limit Group: MB - 8270C ICAL
Integrator: RTE ID Type: RT Order ID
Process Host: CORP-CTX-19

First Level Reviewer: franzr

Date: 09-Nov-2011 15:18:00

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
84 Pentachlorophenol_T 93 DFTPP	266	6.937	6.937	0.0	93	162315	0	
109 Benzidine_T	184	8.267	8.267	0.0	99	1166828	0	
111 4,4'-DDE	246		8.427					
115 4,4'-DDD	235	8.700	8.700	0.0	1	8670	0	
120 4,4'-DDT	235	8.951	8.951	0.0	96	521728	0	

Data File: \\Bufchrom\ChromData\HP5973X\20111109-7399.b\X0618.D

Injection Date: 09-Nov-2011 12:37:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 39590

Lims Sample ID: 1

Operator ID: RJF

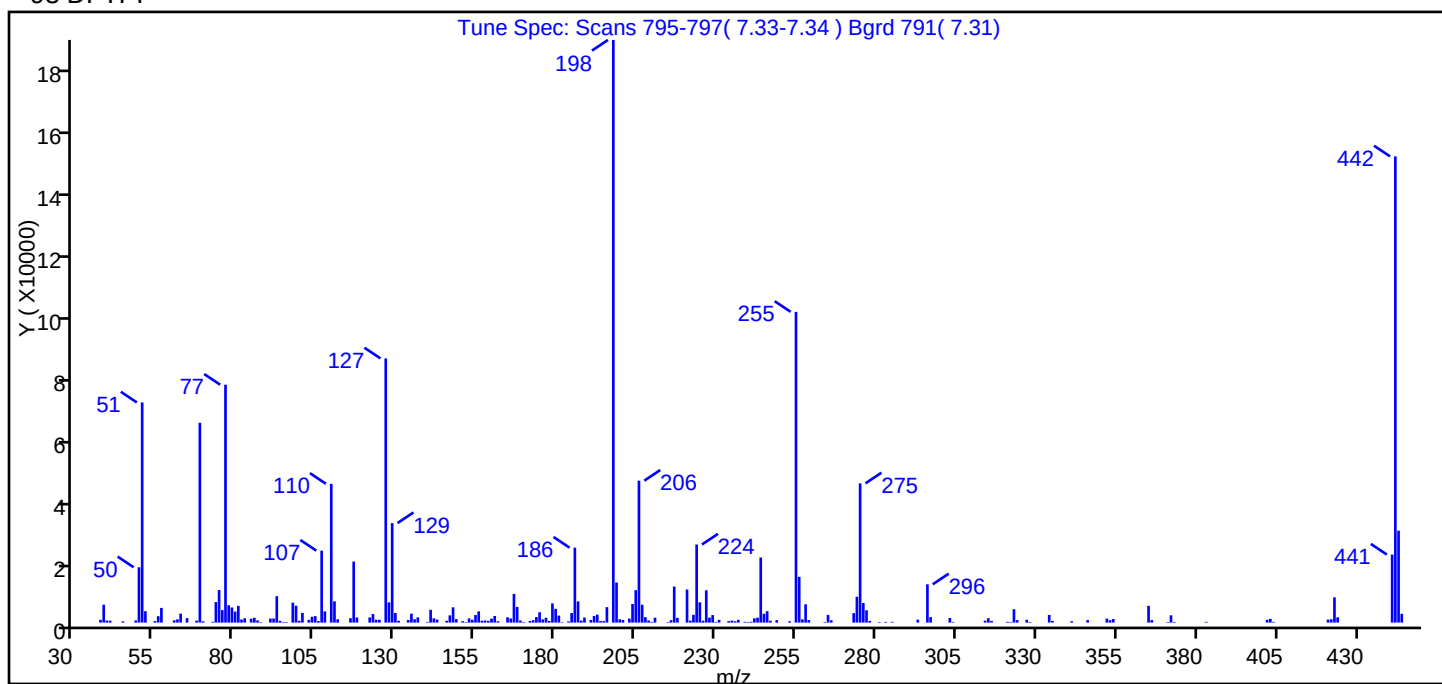
Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Tune Method: DFTPP Method 8270

93 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	37.78
68	Less than 2.00% of mass 69	0.34 (1.00)
69	Present	34.30
70	Less than 2.00% of mass 69	0.22 (0.64)
127	40.00 - 60.00% of mass 198	45.34
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.87
275	10.00 - 30.00% of mass 198	23.90
365	Greater than 1.00% of mass 198	2.88
441	Present, but less than mass 443%	11.68 (74.02)
442	Greater than 40.00% of mass 198	80.01
443	17.00 - 23.00% of mass 442	15.77 (19.71)

Data File: \\Bufchrom\ChromData\HP5973X\20111109-7399.b\X0618.D\X-8270.rslt\spectra.d
Injection Date: 09-Nov-2011 12:37:30
Spectrum: Tune Spec: Scans 795-797(7.33-7.34) Bgrd 791(7.31)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 217

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	887	117.00	19224	187.00	6664	258.00	5753
39.00	5626	118.00	1607	188.00	643	259.00	796
40.00	648	122.00	1629	189.00	1591	264.00	203
41.00	598	123.00	2673	191.00	819	265.00	2424
44.00	2	124.00	925	192.00	2096	266.00	735
45.00	406	125.00	896	193.00	2506	273.00	2986
49.00	690	127.00	83200	194.00	488	274.00	8125
50.00	17424	128.00	6361	195.00	463	275.00	43848
51.00	69328	129.00	31336	196.00	4869	276.00	6185
52.00	3595	130.00	3008	198.00	183488	277.00	3879
55.00	478	131.00	575	199.00	12608	278.00	522
56.00	2013	134.00	826	200.00	1040	281.00	188
57.00	4630	135.00	2822	201.00	803	283.00	224
61.00	713	136.00	1048	203.00	1258	285.00	241
62.00	1025	137.00	1638	204.00	5859	293.00	939
63.00	2823	140.00	199	205.00	10220	296.00	12062
65.00	1412	141.00	4019	206.00	44696	297.00	1727
68.00	632	142.00	1328	207.00	5632	303.00	1462
69.00	62928	143.00	967	208.00	1717	304.00	203
70.00	405	146.00	568	209.00	660	314.00	608
73.00	248	147.00	2282	210.00	233	315.00	1377
74.00	6468	148.00	4811	211.00	1544	316.00	532
75.00	10255	149.00	1103	215.00	173	321.00	269
76.00	3937	151.00	430	216.00	771	322.00	169
77.00	74912	152.00	168	217.00	11351	323.00	4217
78.00	5469	153.00	1312	218.00	1488	324.00	791
79.00	4771	154.00	895	221.00	10417	327.00	899
80.00	3469	155.00	2379	222.00	628	328.00	202
81.00	5272	156.00	3534	223.00	2465	334.00	2413
82.00	962	157.00	593	224.00	24592	335.00	534
83.00	1368	158.00	659	225.00	6383	341.00	439
85.00	1203	159.00	549	226.00	616	346.00	797
86.00	1502	160.00	1250	227.00	10178	352.00	1249

Report Date: 09-Nov-2011 15:18:00

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\201111109-7399.b\X0618.D\X-8270.rslt\spectra.d

Injection Date: 09-Nov-2011 12:37:30

Spectrum: Tune Spec: Scans 795-797(7.33-7.34) Bgrd 791(7.31)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 217

m/z	Y	m/z	Y	m/z	Y	m/z	Y
87.00	684	161.00	2079	228.00	1568	353.00	755
88.00	168	162.00	436	229.00	2365	354.00	1123
91.00	1265	165.00	1671	230.00	216	365.00	5282
92.00	1284	166.00	1294	231.00	864	366.00	801
93.00	8318	167.00	9035	234.00	466	371.00	173
94.00	556	168.00	4941	235.00	629	372.00	2296
95.00	195	169.00	655	236.00	425	373.00	220
96.00	198	170.00	182	237.00	876	383.00	244
98.00	6288	172.00	507	239.00	230	402.00	889
99.00	5311	173.00	749	240.00	201	403.00	1164
100.00	570	174.00	1760	241.00	264	404.00	237
101.00	3054	175.00	3247	242.00	1343	421.00	946
103.00	854	176.00	998	243.00	1549	422.00	1059
104.00	1842	177.00	1528	244.00	20480	423.00	7953
105.00	2035	178.00	521	245.00	2783	424.00	1671
106.00	503	179.00	6040	246.00	3590	441.00	21424
107.00	22656	180.00	4336	247.00	588	442.00	146816
108.00	3524	181.00	2208	249.00	784	443.00	28944
110.00	43704	182.00	167	253.00	422	444.00	2776
111.00	6683	184.00	371	255.00	97856		
112.00	1041	185.00	3006	256.00	14401		
116.00	1382	186.00	23600	257.00	1032		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20111110-7427.b\X0708.D
Lims ID: DFTPP Client ID:
Inject. Date: 10-Nov-2011 15:09:30 Dil. Factor: 1.0000
Sample Type: DFTPP
Sample ID: DFTPP
Misc. Info.: DFTPP
Operator: RJF Instrument ID: HP5973X
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 39801 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973X\20111110-7427.b\X-8270.m
Last Update: 11-Nov-2011 10:03:33 Calib Date: 04-Nov-2011 14:17:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973X\20111104-7273.b\X0418.D
Limit Group: MB - 8270C ICAL
Integrator: RTE ID Type: RT Order ID
Process Host: CORP-CTX-16

First Level Reviewer: mckernar

Date: 11-Nov-2011 10:03:33

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
84 Pentachlorophenol_T 93 DFTPP	266	6.931	6.931	0.0	96	74561	0	
109 Benzidine_T	184	8.262	8.262	0.0	99	868909	0	
111 4,4'-DDE	246		8.427					
115 4,4'-DDD	235	8.700	8.700	0.0	1	2419	0	
120 4,4'-DDT	235	8.945	8.945	0.0	97	402131	0	

Data File: \\Bufchrom\ChromData\HP5973X\20111110-7427.b\X0708.D

Injection Date: 10-Nov-2011 15:09:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 39801

Lims Sample ID: 1

Operator ID: RJF

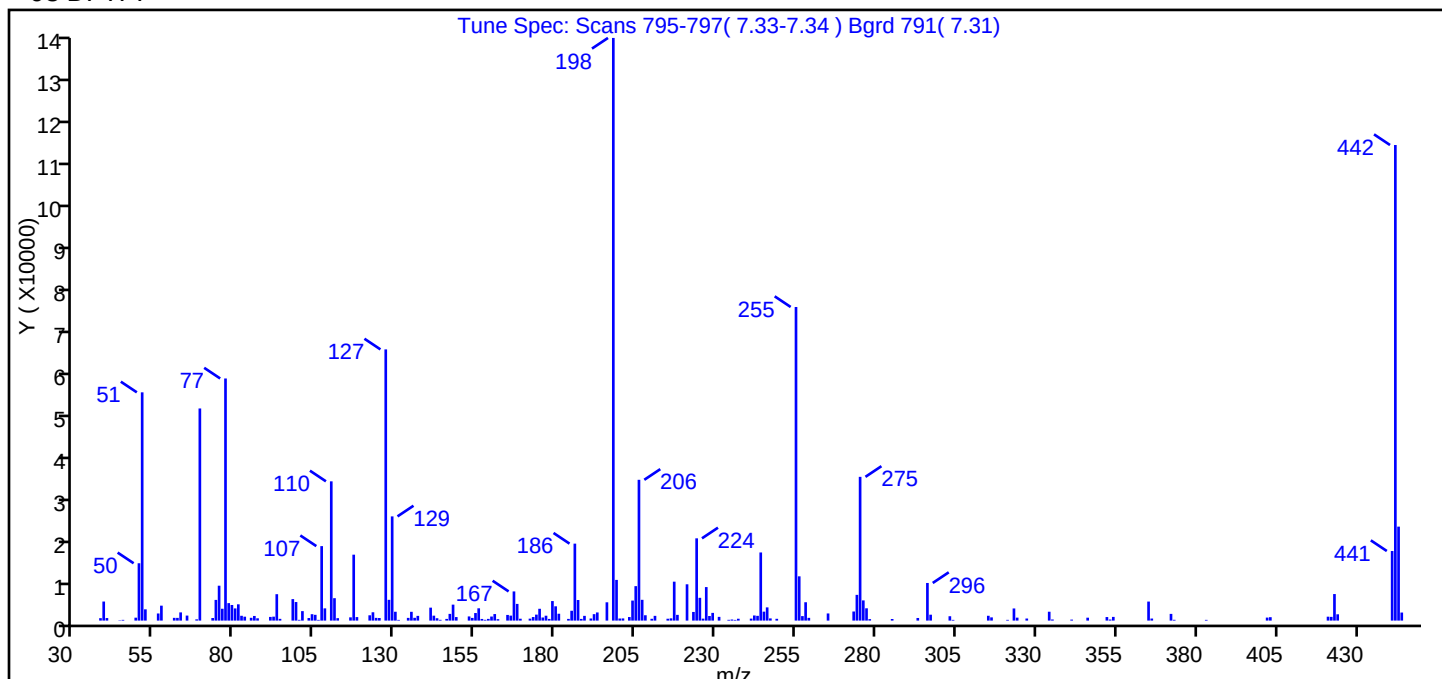
Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Tune Method: DFTPP Method 8270

93 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	39.18
68	Less than 2.00% of mass 69	0.21 (0.59)
69	Present	36.41
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	46.55
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.98
275	10.00 - 30.00% of mass 198	24.67
365	Greater than 1.00% of mass 198	3.27
441	Present, but less than mass 443%	11.94 (74.04)
442	Greater than 40.00% of mass 198	81.62
443	17.00 - 23.00% of mass 442	16.13 (19.76)

Data File: \\Bufchrom\ChromData\HP5973X\20111110-7427.b\X0708.D\X-8270.rslt\spectra.d
Injection Date: 10-Nov-2011 15:09:30
Spectrum: Tune Spec: Scans 795-797(7.33-7.34) Bgrd 791(7.31)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 190

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	581	116.00	776	181.00	1636	255.00	74784
39.00	4546	117.00	15721	184.00	405	256.00	10556
40.00	606	118.00	837	185.00	2344	257.00	1072
44.00	82	122.00	1264	186.00	18352	258.00	4377
45.00	176	123.00	1986	187.00	4908	259.00	656
49.00	696	124.00	649	188.00	403	265.00	1703
50.00	13672	125.00	619	189.00	1131	273.00	2170
51.00	54432	127.00	64672	191.00	499	274.00	6136
52.00	2687	128.00	4951	192.00	1535	275.00	34280
56.00	1698	129.00	24848	193.00	1942	276.00	4816
57.00	3561	130.00	2110	196.00	4365	277.00	2932
61.00	654	131.00	166	198.00	138944	278.00	352
62.00	648	134.00	647	199.00	9703	285.00	379
63.00	1956	135.00	2096	200.00	497	293.00	624
65.00	1197	136.00	665	201.00	519	296.00	8971
68.00	298	137.00	1126	203.00	848	297.00	1407
69.00	50584	141.00	3089	204.00	4777	303.00	1041
73.00	618	142.00	1174	205.00	8216	304.00	171
74.00	4933	143.00	564	206.00	33576	315.00	1151
75.00	8321	144.00	188	207.00	4955	316.00	769
76.00	2826	146.00	402	208.00	1274	321.00	179
77.00	57736	147.00	1601	210.00	431	323.00	2894
78.00	4167	148.00	3808	211.00	1131	324.00	703
79.00	3720	149.00	842	215.00	443	327.00	494
80.00	2906	153.00	994	216.00	535	334.00	2116
81.00	3883	154.00	641	217.00	9283	335.00	265
82.00	1147	155.00	1804	218.00	1368	341.00	237
83.00	932	156.00	2931	221.00	8658	346.00	693
85.00	665	157.00	394	223.00	2061	352.00	846
86.00	1107	158.00	189	224.00	19616	353.00	256
87.00	550	159.00	405	225.00	5431	354.00	882
91.00	877	160.00	968	226.00	467	365.00	4538
92.00	939	161.00	1559	227.00	7993	366.00	492

Report Date: 11-Nov-2011 10:03:34

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\201111110-7427.b\X0708.D\X-8270.rslt\spectra.d

Injection Date: 10-Nov-2011 15:09:30

Spectrum: Tune Spec: Scans 795-797(7.33-7.34) Bgrd 791(7.31)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 190

m/z	Y	m/z	Y	m/z	Y	m/z	Y
93.00	6296	162.00	342	228.00	1094	372.00	1599
94.00	417	165.00	1350	229.00	1839	373.00	191
98.00	5125	166.00	1185	231.00	888	383.00	175
99.00	4427	167.00	6957	234.00	183	402.00	718
100.00	179	168.00	3981	235.00	256	403.00	814
101.00	2258	169.00	446	236.00	167	421.00	931
103.00	611	172.00	466	237.00	444	422.00	889
104.00	1526	173.00	848	241.00	474	423.00	6330
105.00	1378	174.00	1425	242.00	1221	424.00	1503
106.00	172	175.00	2818	243.00	1134	441.00	16592
107.00	17760	176.00	739	244.00	16248	442.00	113408
108.00	2918	177.00	1166	245.00	2133	443.00	22408
110.00	33208	178.00	399	246.00	3151	444.00	1922
111.00	5344	179.00	4657	247.00	522		
112.00	582	180.00	3409	249.00	428		

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-39229/1-A
 Matrix: Water Lab File ID: X0624.D
 Analysis Method: 8270C Date Collected: _____
 Extract. Method: 3510C Date Extracted: 11/07/2011 14:12
 Sample wt/vol: 1000 (mL) Date Analyzed: 11/09/2011 14:50
 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.: 39590 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	81		46-120
321-60-8	2-Fluorobiphenyl	83		48-120
1718-51-0	p-Terphenyl-d14	112		24-136

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20111109-7399.b\X0624.D
 Lims ID: MB 480-39229/1-A Client ID:
 Inject. Date: 09-Nov-2011 14:50:30 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: 480-0007399-007
 Misc. Info.: MB 480-39229/1-A
 Operator: RJF Instrument ID: HP5973X
 Vol. Injected: 1.0000 ALS Bottle#: 9
 Lims Batch ID: 39590 Lims Sample ID: 7
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973X\20111109-7399.b\X-8270.m
 Last Update: 10-Nov-2011 11:05:21 Calib Date: 04-Nov-2011 14:17:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973X\20111104-7273.b\X0418.D
 Limit Group: MB - 8270C ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: franzr

Date: 10-Nov-2011 09:47:44

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.210	6.210	0.0	96	165587	40.0	
* 2 Naphthalene-d8	136	7.716	7.717	-0.001	93	620562	40.0	
* 3 Acenaphthene-d10	164	9.779	9.773	0.006	53	337486	40.0	
* 4 Phenanthrene-d10	188	11.355	11.355	0.0	99	537902	40.0	
* 5 Chrysene-d12	240	13.748	13.748	0.0	99	654893	40.0	
* 6 Perylene-d12	264	15.009	15.009	0.0	99	774977	40.0	
\$ 7 2-Fluorophenol	112	4.661	4.666	-0.005	94	398474	64.9	
\$ 8 Phenol-d5	99	5.820	5.820	0.0	85	329693	49.9	
\$ 9 Nitrobenzene-d5	82	6.867	6.867	0.0	96	455741	81.1	
\$ 10 2-Fluorobiphenyl	172	8.993	8.993	0.0	100	828095	82.6	
\$ 11 2,4,6-Tribromophenol	330	10.655	10.649	0.006	58	228521	172.4	
\$ 12 p-Terphenyl-d14	244	12.829	12.829	0.0	97	1321651	112.4	
16 1,2,3,4 -Tetrachlorobenzene	216		0.000					
231 2,4-Xylidine TIC	1		0.000					
32 Pendimethalin	1		0.000					
45 n,n'-Dimethylacetamide	1		0.000					
40 2-Chlorobenzotrifluoride	1		0.000					
49 Benzeneacetic acid (TIC)	1		0.000					
34 N-Methylaniline	1		0.000					
43 CU-600	1		0.000					
53 3-Chlorobenzotrifluoride	1		0.000					
226 CBF-400	1		0.000					
38 2,4-Dichlorotoluene	1		0.000					
18 1-Methylcyclopentanol	1		0.000					
39 2-Aminopyridine	1		0.000					
51 Phenylacetic Acid	1		0.000					
52 4-Chlorophenol	1		0.000					
14 Benzo[e]pyrene	1		0.000					
232 4,4'-Methylene bis(2-chloroaniline) T	1		0.000					
230 1,3-phenylenediamine TIC	1		0.000					
20 Lidocaine	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
229 o-Anisidine TIC	1		0.000					
24 2-Methylantracene	1		0.000					
42 3-Chlorotoluene	1		0.000					
27 2,6-Dichlorotoluene	1		0.000					
17 2,4,5-Trichlorotoluene	1		0.000					
225 5-Methyl-o-Anisidine TIC	1		0.000					
19 Chlorotoluene N.O.S	1		0.000					
30 Benzeneacetonitrile	1		0.000					
15 4,4'-Methylene bis(2-chloroaniline)	1		0.000					
50 CAG-800	1		0.000					
31 5-Ethyl-5-phenyl barbituric acid	1		0.000					
25 2,3-Dichlorophenol	1		0.000					
36 4-Chlorobenzotrifluoride	1		0.000					
33 1,3,5-Trichlorobenzene	180		0.000					
13 Dimethylformamide	1		0.000					
22 CN-500	1		0.000					
46 2-Chlorotoluene	91		0.000					
37 4-Chlorotoluene	91		0.000					
26 NVF-400	1		0.000					
228 CBF-500	1		0.000					
47 Chlorobenzotrifluoride N.O.S	1		0.000					
54 1,4-Dioxane	88		2.572					
55 N-Nitrosodimethylamine	42		2.898					
56 Pyridine	52		2.967					
44 4-Chloropyridine	78		3.035					
41 3-Chloropyridine	78		3.163					
21 2-Chloropyridine	78		3.825					
57 2-Picoline	93		3.897					
58 N-Nitrosomethylethylamine	88		4.014					
59 Methyl methanesulfonate	80		4.410					
23 p-Fluoroaniline	111		4.733					
60 N-Nitrosodiethylamine	102		4.906					
61 Ethyl methanesulfonate	79		5.280					
62 Benzaldehyde	77	5.686	5.681	0.005	80	14111	3.14	
29 2,6-Dichloropyridine	112		5.706					
64 Aniline	93		5.820					
63 Phenol	94	5.836	5.836	0.0	80	87795	11.4	
65 Pentachloroethane	167		5.879					
66 Bis(2-chloroethyl)ether	93		5.895					
67 2-Chlorophenol	128		5.975					
68 n-Decane	57		6.007					
69 1,3-Dichlorobenzene	146		6.146					
70 1,4-Dichlorobenzene	146		6.231					
82 4-Methylbenzenamine	106		6.335					
71 Benzyl alcohol	108		6.392					
72 1,2-Dichlorobenzene	146		6.418					
74 2,2'-oxybis[1-chloropropane]	45		6.547					
73 2-Methylphenol	108	6.552	6.547	0.005	59	5864	1.18	
75 N-Nitrosopyrrolidine	100		6.653					
92 o-Anisidine	108		6.662					
76 Acetophenone	105	6.691	6.691	0.0	91	24933	3.40	
77 N-Nitrosomorpholine	56		6.701					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
78 N-Nitrosodi-n-propylamine	70		6.701					
79 4-Methylphenol	108	6.744	6.734	0.010	54	12084	2.28	
80 2-Toluidine	106		6.739					
81 Hexachloroethane	117		6.814					
88 2-Chloroaniline	127		6.826					
83 Nitrobenzene	77		6.888					
84 Pentachlorophenol_T	266		6.937					
85 N-Nitrosopiperidine	114		7.059					
86 Isophorone	82		7.177					
87 2-Nitrophenol	139		7.268					
89 2,4-Dimethylphenol	107		7.353					
90 Tetraethyl lead	237		7.391					
108 5-Methyl-o-Anisidine	122		7.416					
91 o,o',o''-Triethylphosphorothioate	198		7.417					
94 Bis(2-chloroethoxy)methane	93		7.439					
95 Benzoic acid	105		7.567					
97 2,4-Dichlorophenol	162		7.572					
98 1,2,4-Trichlorobenzene	180		7.652					
35 Quinoline	129		7.659					
96 alpha,alpha-Dimethyl phenethylamine	58		7.674					
99 Naphthalene	128		7.738					
100 Alpha-Terpineol	59		7.765					
101 4-Chloroaniline	127		7.818					
102 2,6-Dichlorophenol	162		7.834					
103 Hexachloropropene	213		7.855					
104 Hexachlorobutadiene	225		7.903					
28 Dicyclohexamine	138		7.922					
105 Caprolactam	113		8.203					
106 N-Nitrosodi-n-butylamine	84		8.219					
107 p-Phenylene diamine	108		8.235					
109 Benzidine_T	184		8.267					
110 4-Chloro-3-methylphenol	107		8.422					
111 4,4'-DDE	246		8.427					
112 Safrole, Total	162		8.459					
113 2-Methylnaphthalene	142		8.555					
114 Phthalic anhydride	104		8.635					
115 4,4'-DDD	235		8.700					
116 Hexachlorocyclopentadiene	237		8.758					
117 1,2,4,5-Tetrachlorobenzene	216		8.764					
122 Isosafrole	162		8.806					
121 2,3-Dichlorobenzenamine	161		8.833					
118 2,4,6-Trichlorophenol	196		8.902					
120 4,4'-DDT	235		8.951					
119 2,4,5-Trichlorophenol	196		8.961					
123 1,1'-Biphenyl	154		9.106					
124 2-Chloronaphthalene	162		9.122					
125 2-Nitroaniline	65		9.255					
126 1,4-Naphthoquinone	158		9.325					
129 1,3-Dinitrobenzene	168		9.399					
128 Dimethyl phthalate	163		9.474					
127 1,4-Dinitrobenzene	168		9.495					
130 2,6-Dinitrotoluene	165		9.533					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
131 Acenaphthylene	152		9.602					
132 3-Nitroaniline	138		9.741					
133 Acenaphthene	153		9.805					
134 2,4-Dinitrophenol	184		9.853					
136 Pentachlorobenzene	250		9.971					
135 4-Nitrophenol	109		9.987					
137 2,4-Dinitrotoluene	165		9.998					
138 Dibenzofuran	168		10.008					
139 1-Naphthylamine	143		10.099					
140 2,3,4,6-Tetrachlorophenol	232		10.174					
141 2-Naphthylamine	143		10.190					
142 Diethyl phthalate	149		10.281					
143 Thionazin	97		10.366					
144 Fluorene	166		10.388					
145 4-Chlorophenyl phenyl ether	204		10.393					
146 N-Nitro-o-toluidine	152		10.414					
147 4-Nitroaniline	138		10.430					
148 4,6-Dinitro-2-methylphenol	198		10.452					
153 Azobenzene	77		10.476					
149 N-Nitrosodiphenylamine	169		10.521					
150 Diphenylamine	169		10.521					
151 Tributyl phosphate	99		10.521					
152 1,2-Diphenylhydrazine	77		10.559					
154 Sulfotepp	322		10.708					
155 1,3,5-Trinitrobenzene	213		10.799					
156 Diallate	43		10.831					
157 Phorate	75		10.836					
158 Phenacetin	108		10.868					
159 4-Bromophenyl phenyl ether	248		10.906					
160 Hexachlorobenzene	284		10.981					
161 Dimethoate	87		11.013					
162 Simazine	201		11.066					
163 Atrazine	200		11.093					
168 n-Octadecane	57		11.160					
164 4-Aminobiphenyl	169		11.173					
165 Pentachlorophenol	266		11.189					
166 Pentachloronitrobenzene	237		11.194					
167 Pronamide	173		11.253					
169 Disulfoton	88		11.365					
170 Dinoseb	211		11.371					
171 Phenanthrene	178		11.376					
172 Anthracene	178		11.429					
173 Carbazole	167		11.595					
174 Methyl parathion	109		11.723					
175 Alachlor	160		11.734					
179 Anthraquinone	180		11.789					
176 Di-n-butyl phthalate	149		11.926					
177 Ethyl Parathion	97		12.086					
178 4-Nitroquinoline-1-oxide	190		12.113					
184 1-Hydroxyanthraquinone	224		12.179					
180 Methapyrilene	58		12.188					
181 Isodrin	193		12.359					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
182 Fluoranthene	202		12.492					
189 1,4-Dihydroxyanthraquinone	240		12.590					
183 Benzidine	184		12.610					
185 Pyrene	202		12.695					
186 Aramite, Total	185		12.872					
194 9-Octadecenamide	72		12.932					
187 p-Dimethylamino azobenzene	120		12.947					
188 Chlorobenzilate	139		12.989					
190 Famphur	218		13.203					
191 3,3'-Dimethylbenzidine	212		13.240					
192 Butyl benzyl phthalate	149		13.246					
193 Kepone	272		13.294					
195 2-Acetylaminofluorene	181		13.470					
196 3,3'-Dichlorobenzidine	252		13.710					
198 Bis(2-ethylhexyl) phthalate	149		13.737					
197 Benzo[a]anthracene	228		13.737					
199 Chrysene	228		13.775					
200 Tricresyl phosphate	368		14.147					
201 Di-n-octyl phthalate	149		14.266					
202 7,12-Dimethylbenz(a)anthracene	256		14.645					
203 Benzo[b]fluoranthene	252		14.661					
204 Benzo[k]fluoranthene	252		14.683					
205 Hexachlorophene	196		14.811					
206 Benzo[a]pyrene	252		14.955					
207 3-Methylcholanthrene	252		15.276					
208 Indeno[1,2,3-cd]pyrene	276		16.098					
209 Dibenz(a,h)anthracene	278		16.098					
210 Benzo[g,h,i]perylene	276		16.408					
211 Dibenzo[a,e]pyrene	302		16.497					
S 212 3 & 4 Methylphenol	108				0		2.28	
S 213 Total Cresols	1				0		3.46	
S 214 3-Methylphenol	1				0		2.28	
T 216 trans Azobenzene (TIC)	1		0.000					1
T 217 Benefin (TIC)	1		0.000					1
T 227 Tris(2,3-dibromopropyl)phosphate TIC	1		0.000					1
T 215 Pendimethalin (TIC)	1		0.000					1
T 218 Prometryn (TIC)	1		0.000					1
T 219 1-Methylnaphthalene (TIC)	1		0.000					1
T 220 2,3,7,8-TCDD	322		0.000					1

QC Flag Legend

Processing Flags

1 - Missing Peaks

Report Date: 30-Nov-2011 12:04:16

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20111109-7399.b\X0624.D

Injection Date: 09-Nov-2011 14:50:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 39590

Lims Sample ID: 7

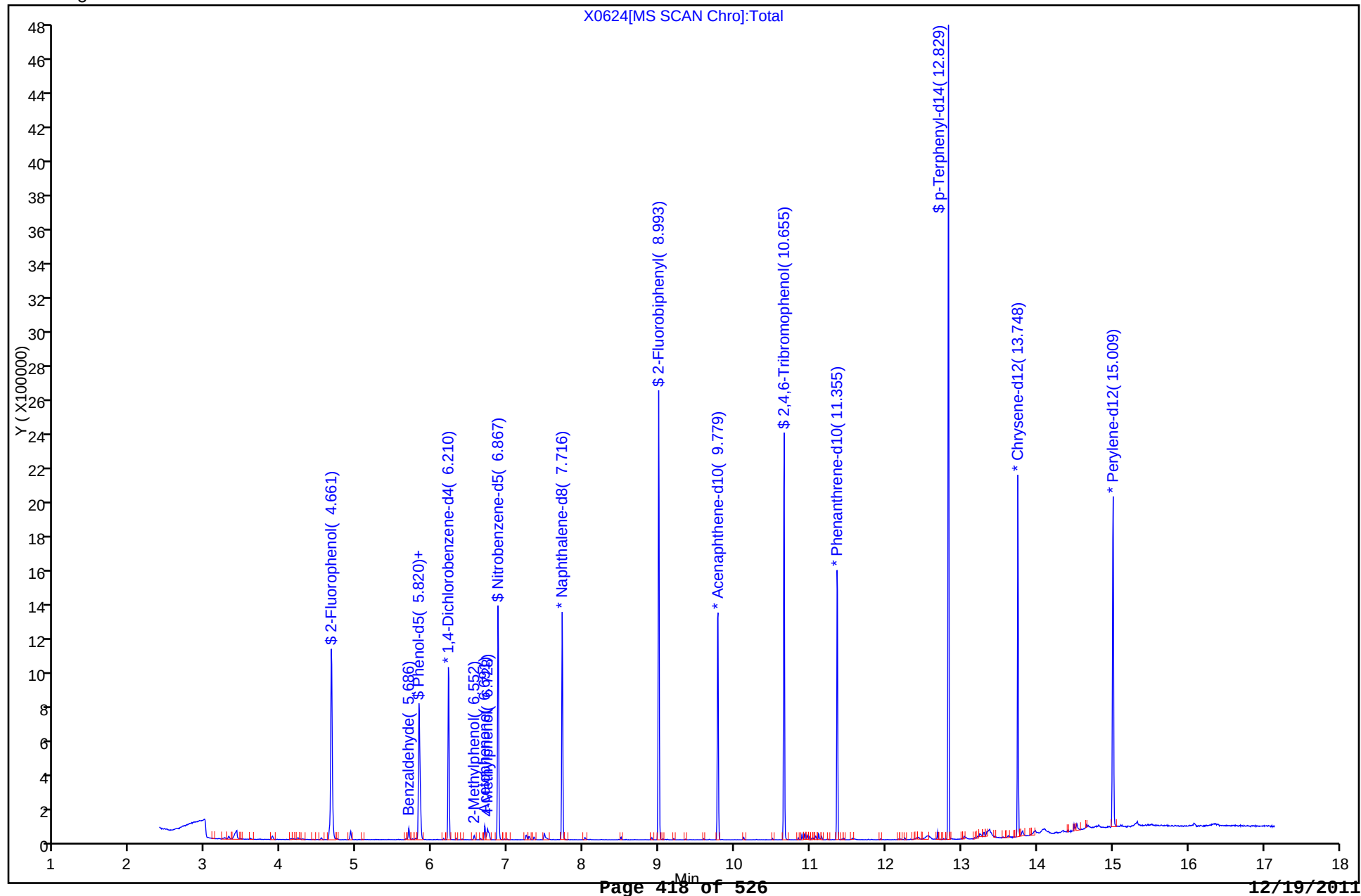
Operator ID: RJF

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-39229/2-A
 Matrix: Water Lab File ID: X0625.D
 Analysis Method: 8270C Date Collected: _____
 Extract. Method: 3510C Date Extracted: 11/07/2011 14:12
 Sample wt/vol: 1000 (mL) Date Analyzed: 11/09/2011 15:13
 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.: 39590 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	87.3		5.0	0.41
208-96-8	Acenaphthylene	84.3		5.0	0.38
120-12-7	Anthracene	92.5		5.0	0.28
56-55-3	Benz (a) anthracene	99.0		5.0	0.36
50-32-8	Benzo (a) pyrene	95.1		5.0	0.47
205-99-2	Benzo (b) fluoranthene	93.0		5.0	0.34
191-24-2	Benzo (g, h, i) perylene	104		5.0	0.35
207-08-9	Benzo (k) fluoranthene	86.1		5.0	0.73
218-01-9	Chrysene	99.0		5.0	0.33
53-70-3	Dibenz (a, h) anthracene	94.8		5.0	0.42
206-44-0	Fluoranthene	91.3		5.0	0.40
86-73-7	Fluorene	90.8		5.0	0.36
193-39-5	Indeno (1, 2, 3-c, d) pyrene	95.1		5.0	0.47
91-20-3	Naphthalene	70.9		5.0	0.76
85-01-8	Phenanthrene	91.4		5.0	0.44
129-00-0	Pyrene	101		5.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	80		46-120
321-60-8	2-Fluorobiphenyl	84		48-120
1718-51-0	p-Terphenyl-d14	106		24-136

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20111109-7399.b\X0625.D

Lims ID: LCS 480-39229/2-A

Client ID:

Inject. Date: 09-Nov-2011 15:13:30

Dil. Factor: 1.0000

Sample Type: LCS

Sample ID: 480-0007399-008

Misc. Info.: LCS 480-39229/2-A

Operator: RJF

Instrument ID: HP5973X

Vol. Injected: 1.0000

ALS Bottle#: 10

Lims Batch ID: 39590

Lims Sample ID: 8

Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973X\20111109-7399.b\X-8270.m

Last Update: 10-Nov-2011 09:49:35

Calib Date: 04-Nov-2011 14:17:30

Quant Method: Internal Standard

Quant By: Initial Calibration

Last ICal File: \\Bufchrom\ChromData\HP5973X\20111104-7273.b\X0418.D

Limit Group: MB - 8270C ICAL

Integrator: RTE

ID Type: RT Order ID

Process Host: CORP-CTX-19

First Level Reviewer: franzr

Date: 10-Nov-2011 09:50:39

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.210	6.210	0.0	95	173063	40.0	
* 2 Naphthalene-d8	136	7.717	7.717	0.0	93	664872	40.0	
* 3 Acenaphthene-d10	164	9.773	9.773	0.0	18	369192	40.0	
* 4 Phenanthrene-d10	188	11.355	11.355	0.0	99	601777	40.0	
* 5 Chrysene-d12	240	13.753	13.748	0.005	99	662926	40.0	
* 6 Perylene-d12	264	15.009	15.009	0.0	99	847915	40.0	
\$ 7 2-Fluorophenol	112	4.666	4.666	0.0	93	431717	67.3	
\$ 8 Phenol-d5	99	5.826	5.820	0.006	71	344011	49.8	
\$ 9 Nitrobenzene-d5	82	6.867	6.867	0.0	96	478539	79.5	
\$ 10 2-Fluorobiphenyl	172	8.994	8.993	0.001	88	918016	83.7	
\$ 11 2,4,6-Tribromophenol	330	10.655	10.649	0.006	60	211340	142.6	
\$ 12 p-Terphenyl-d14	244	12.829	12.829	0.0	97	1262513	106.1	
54 1,4-Dioxane	88	2.572	2.572	0.0	98	103068	30.4	
55 N-Nitrosodimethylamine	42	2.903	2.898	0.005	83	185661	47.3	
56 Pyridine	52	2.973	2.967	0.006	90	277192	45.1	
62 Benzaldehyde	77	5.687	5.681	0.006	88	324857	69.2	
64 Aniline	93	5.826	5.820	0.006	97	612558	69.0	
63 Phenol	94	5.836	5.836	0.0	88	315402	39.3	
66 Bis(2-chloroethyl)ether	93	5.895	5.895	0.0	82	446482	71.2	
67 2-Chlorophenol	128	5.980	5.975	0.005	98	448718	70.1	
69 1,3-Dichlorobenzene	146	6.146	6.146	0.0	97	351928	53.4	
70 1,4-Dichlorobenzene	146	6.232	6.231	0.001	96	363258	54.4	
71 Benzyl alcohol	108	6.392	6.392	0.0	94	285646	72.8	
72 1,2-Dichlorobenzene	146	6.419	6.418	0.001	82	351832	56.3	
74 2,2'-oxybis[1-chloropropane]	45	6.547	6.547	0.0	88	655114	77.3	
73 2-Methylphenol	108	6.552	6.547	0.005	92	365551	70.4	
76 Acetophenone	105	6.691	6.691	0.0	95	625882	81.5	
78 N-Nitrosodi-n-propylamine	70	6.707	6.701	0.006	95	347307	85.0	
79 4-Methylphenol	108	6.739	6.734	0.005	89	748398	134.8	
81 Hexachloroethane	117	6.819	6.814	0.005	95	124414	51.7	
83 Nitrobenzene	77	6.889	6.888	0.001	92	482117	78.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
86 Isophorone	82	7.182	7.177	0.005	98	925732	87.2	
87 2-Nitrophenol	139	7.268	7.268	0.0	87	262040	81.7	
89 2,4-Dimethylphenol	107	7.353	7.353	0.0	95	472823	81.6	
90 Tetraethyl lead	237	7.391	7.391	0.0	54	45828	19.6	
94 Bis(2-chloroethoxy)methane	93	7.439	7.439	0.0	97	535114	81.2	
95 Benzoic acid	105	7.466	7.567	-0.101	57	26473	5.58	
97 2,4-Dichlorophenol	162	7.572	7.572	0.0	95	401987	83.6	
98 1,2,4-Trichlorobenzene	180	7.653	7.652	0.001	96	314291	61.7	
99 Naphthalene	128	7.738	7.738	0.0	98	1131537	70.9	
101 4-Chloroaniline	127	7.818	7.818	0.0	98	573138	80.8	
104 Hexachlorobutadiene	225	7.904	7.903	0.001	99	177515	58.5	
105 Caprolactam	113	8.240	8.203	0.037	96	44336	25.5	
110 4-Chloro-3-methylphenol	107	8.422	8.422	0.0	96	445662	94.4	
113 2-Methylnaphthalene	142	8.555	8.555	0.0	95	760823	75.2	
116 Hexachlorocyclopentadiene	237	8.753	8.758	-0.005	91	222458	65.3	
118 2,4,6-Trichlorophenol	196	8.903	8.902	0.001	97	307890	91.0	
119 2,4,5-Trichlorophenol	196	8.961	8.961	0.0	97	329884	91.2	
123 1,1'-Biphenyl	154	9.106	9.106	0.0	100	960356	71.8	
124 2-Chloronaphthalene	162	9.122	9.122	0.0	100	782498	78.6	
125 2-Nitroaniline	65	9.261	9.255	0.006	92	298594	101.2	
129 1,3-Dinitrobenzene	168	9.400	9.399	0.001	90	185830	120.2	
128 Dimethyl phthalate	163	9.480	9.474	0.006	99	1064440	91.5	
127 1,4-Dinitrobenzene	168	9.501	9.495	0.006	83	204016	104.9	
130 2,6-Dinitrotoluene	165	9.538	9.533	0.005	15	268216	102.6	
131 Acenaphthylene	152	9.608	9.602	0.006	97	1218311	84.3	
132 3-Nitroaniline	138	9.747	9.741	0.006	97	264897	90.6	
133 Acenaphthene	153	9.811	9.805	0.006	99	770570	87.3	
134 2,4-Dinitrophenol	184	9.854	9.853	0.001	94	154264	101.5	
135 4-Nitrophenol	109	9.987	9.987	0.0	88	95869	56.5	
137 2,4-Dinitrotoluene	165	10.003	9.998	0.005	77	332483	97.3	
138 Dibenzofuran	168	10.009	10.008	0.001	97	1111722	85.0	
140 2,3,4,6-Tetrachlorophenol	232	10.169	10.174	-0.005	97	267403	111.0	
142 Diethyl phthalate	149	10.286	10.281	0.005	100	1046457	98.3	
144 Fluorene	166	10.388	10.388	0.0	98	918256	90.8	
145 4-Chlorophenyl phenyl ether	204	10.393	10.393	0.0	80	441517	97.0	
147 4-Nitroaniline	138	10.441	10.430	0.011	84	285276	96.3	
148 4,6-Dinitro-2-methylphenol	198	10.457	10.452	0.005	96	239642	102.8	
149 N-Nitrosodiphenylamine	169	10.527	10.521	0.006	99	749670	93.3	
152 1,2-Diphenylhydrazine	77	10.564	10.559	0.005	99	1030685	97.9	
159 4-Bromophenyl phenyl ether	248	10.906	10.906	0.0	96	293376	90.5	
160 Hexachlorobenzene	284	10.981	10.981	0.0	98	300544	88.5	
163 Atrazine	200	11.098	11.093	0.005	93	320759	94.8	
165 Pentachlorophenol	266	11.189	11.189	0.0	97	211501	101.1	
171 Phenanthrene	178	11.381	11.376	0.005	100	1417547	91.4	
172 Anthracene	178	11.430	11.429	0.001	100	1456651	92.5	
173 Carbazole	167	11.595	11.595	0.0	100	1416447	93.1	
176 Di-n-butyl phthalate	149	11.926	11.926	0.0	100	1746271	98.3	
182 Fluoranthene	202	12.498	12.492	0.006	99	1619187	91.3	
183 Benzidine	184	12.616	12.610	0.006	100	622614	74.0	
185 Pyrene	202	12.696	12.695	0.001	99	1669380	101.0	
192 Butyl benzyl phthalate	149	13.246	13.246	0.0	99	863285	116.1	
196 3,3'-Dichlorobenzidine	252	13.716	13.710	0.006	67	566956	83.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
198 Bis(2-ethylhexyl) phthalate	149	13.737	13.737	0.0	92	1089139	106.7	
197 Benzo[a]anthracene	228	13.743	13.737	0.006	52	1604331	99.0	
199 Chrysene	228	13.775	13.775	0.0	99	1718153	99.0	
201 Di-n-octyl phthalate	149	14.272	14.266	0.006	100	2217821	113.8	
203 Benzo[b]fluoranthene	252	14.667	14.661	0.006	100	2073660	93.0	
204 Benzo[k]fluoranthene	252	14.688	14.683	0.005	99	1915499	86.1	
206 Benzo[a]pyrene	252	14.961	14.955	0.006	99	1812181	95.1	
208 Indeno[1,2,3-cd]pyrene	276	16.104	16.098	0.006	80	2172498	95.1	
209 Dibenz(a,h)anthracene	278	16.109	16.098	0.011	88	1821646	94.8	
210 Benzo[g,h,i]perylene	276	16.419	16.408	0.011	99	2005765	104.2	
S 214 3-Methylphenol	1				0		134.8	

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20111109-7399.b\X0625.D

Injection Date: 09-Nov-2011 15:13:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 39590

Lims Sample ID: 8

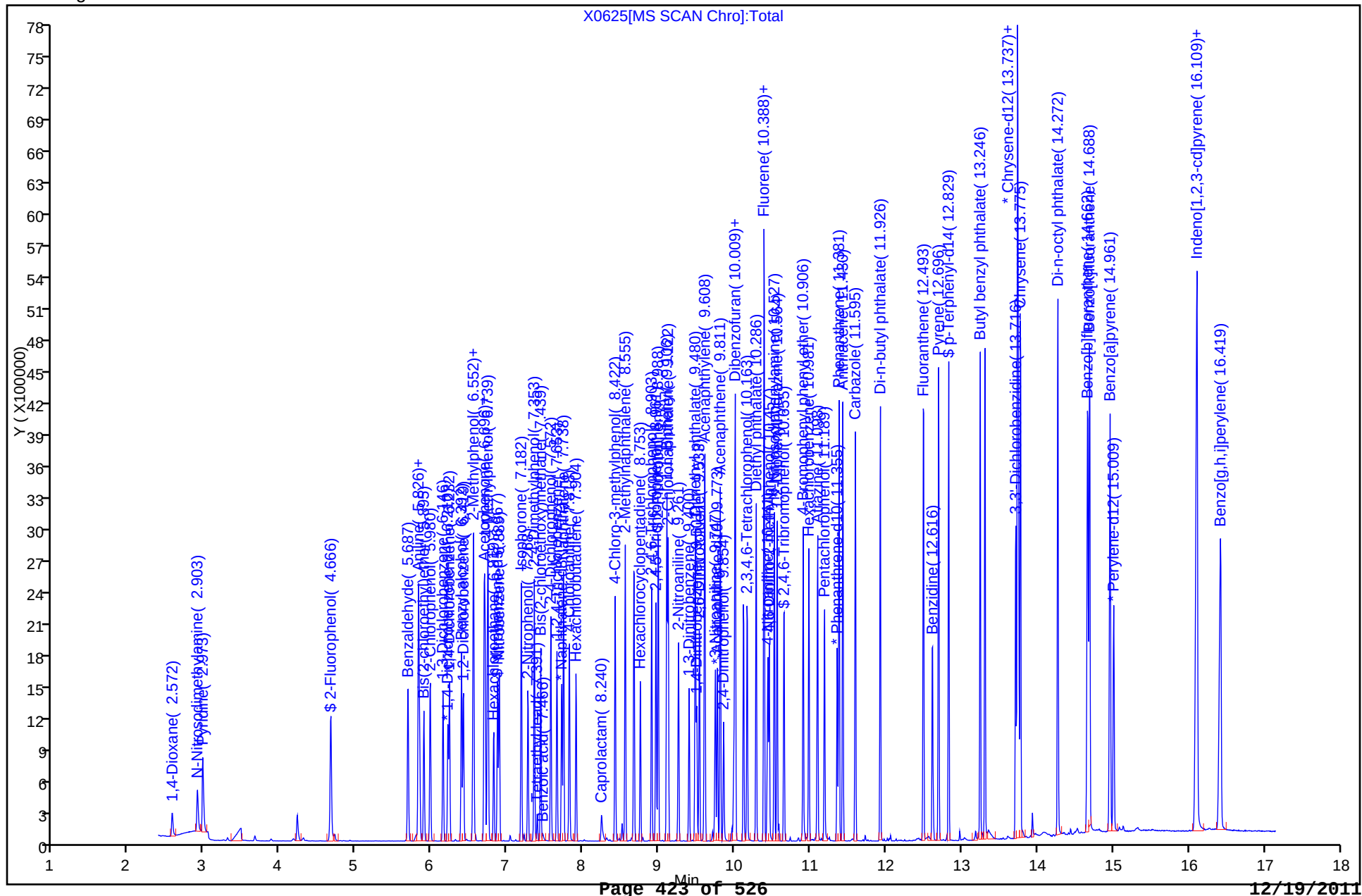
Operator ID:

Injection Vol: 1.00 ul

Column Type: RXI-5Sil MS

Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 480-39229/3-A
 Matrix: Water Lab File ID: X0626.D
 Analysis Method: 8270C Date Collected: _____
 Extract. Method: 3510C Date Extracted: 11/07/2011 14:12
 Sample wt/vol: 1000 (mL) Date Analyzed: 11/09/2011 15:36
 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.: 39590 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	100		5.0	0.41
208-96-8	Acenaphthylene	97.2		5.0	0.38
120-12-7	Anthracene	111		5.0	0.28
56-55-3	Benz (a) anthracene	120		5.0	0.36
50-32-8	Benzo (a) pyrene	116		5.0	0.47
205-99-2	Benzo (b) fluoranthene	109		5.0	0.34
191-24-2	Benzo (g, h, i) perylene	125		5.0	0.35
207-08-9	Benzo (k) fluoranthene	107		5.0	0.73
218-01-9	Chrysene	120		5.0	0.33
53-70-3	Dibenz (a, h) anthracene	115		5.0	0.42
206-44-0	Fluoranthene	111		5.0	0.40
86-73-7	Fluorene	106		5.0	0.36
193-39-5	Indeno (1, 2, 3-c, d) pyrene	116		5.0	0.47
91-20-3	Naphthalene	79.4		5.0	0.76
85-01-8	Phenanthrene	110		5.0	0.44
129-00-0	Pyrene	122		5.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	95		46-120
321-60-8	2-Fluorobiphenyl	97		48-120
1718-51-0	p-Terphenyl-d14	127		24-136

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20111109-7399.b\X0626.D

Lims ID: LCSD 480-39229/3-A

Client ID:

Inject. Date: 09-Nov-2011 15:36:30

Dil. Factor: 1.0000

Sample Type: LCSD

Sample ID: 480-0007399-009

Misc. Info.: LCSD 480-39229/3-A

Operator: RJF

Instrument ID: HP5973X

Vol. Injected: 1.0000

ALS Bottle#: 11

Lims Batch ID: 39590

Lims Sample ID: 9

Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973X\20111109-7399.b\X-8270.m

Last Update: 10-Nov-2011 09:53:11

Calib Date: 04-Nov-2011 14:17:30

Quant Method: Internal Standard

Quant By: Initial Calibration

Last ICal File: \\Bufchrom\ChromData\HP5973X\20111104-7273.b\X0418.D

Limit Group: MB - 8270C ICAL

Integrator: RTE

ID Type: RT Order ID

Process Host: CORP-CTX-19

First Level Reviewer: franzr

Date: 10-Nov-2011 09:53:11

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.210	6.210	0.0	95	157127	40.0	
* 2 Naphthalene-d8	136	7.717	7.717	0.0	93	605002	40.0	
* 3 Acenaphthene-d10	164	9.773	9.773	0.0	17	335863	40.0	
* 4 Phenanthrene-d10	188	11.355	11.355	0.0	99	538718	40.0	
* 5 Chrysene-d12	240	13.753	13.748	0.005	99	587318	40.0	
* 6 Perylene-d12	264	15.009	15.009	0.0	99	753337	40.0	
\$ 7 2-Fluorophenol	112	4.666	4.666	0.0	93	467412	80.3	
\$ 8 Phenol-d5	99	5.825	5.820	0.005	71	369127	58.9	
\$ 9 Nitrobenzene-d5	82	6.867	6.867	0.0	96	522606	95.4	
\$ 10 2-Fluorobiphenyl	172	8.993	8.993	0.0	86	971107	97.3	
\$ 11 2,4,6-Tribromophenol	330	10.655	10.649	0.006	56	236286	178.0	
\$ 12 p-Terphenyl-d14	244	12.829	12.829	0.0	97	1338137	126.9	
54 1,4-Dioxane	88	2.567	2.572	-0.005	98	115356	37.4	
55 N-Nitrosodimethylamine	42	2.903	2.898	0.005	83	202159	56.7	
56 Pyridine	52	2.973	2.967	0.006	91	332756	59.6	
62 Benzaldehyde	77	5.687	5.681	0.006	88	352482	82.7	
64 Aniline	93	5.825	5.820	0.005	98	689189	85.5	
63 Phenol	94	5.841	5.836	0.005	83	341979	47.0	
66 Bis(2-chloroethyl)ether	93	5.895	5.895	0.0	83	495540	87.1	
67 2-Chlorophenol	128	5.980	5.975	0.005	98	487957	83.9	
69 1,3-Dichlorobenzene	146	6.146	6.146	0.0	97	375576	62.7	
70 1,4-Dichlorobenzene	146	6.231	6.231	0.0	97	384397	63.4	
71 Benzyl alcohol	108	6.392	6.392	0.0	94	307442	86.3	
72 1,2-Dichlorobenzene	146	6.418	6.418	0.0	79	376011	66.3	
74 2,2'-oxybis[1-chloropropane]	45	6.547	6.547	0.0	88	704631	94.6	
73 2-Methylphenol	108	6.552	6.547	0.005	94	391139	83.0	
76 Acetophenone	105	6.691	6.691	0.0	94	687805	98.7	
78 N-Nitrosodi-n-propylamine	70	6.707	6.701	0.006	96	372449	100.5	
79 4-Methylphenol	108	6.739	6.734	0.005	89	802275	159.2	
81 Hexachloroethane	117	6.819	6.814	0.005	95	135797	62.2	
83 Nitrobenzene	77	6.894	6.888	0.006	90	518558	93.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
86 Isophorone	82	7.182	7.177	0.005	98	1013458	104.9	
87 2-Nitrophenol	139	7.268	7.268	0.0	87	287280	98.5	
89 2,4-Dimethylphenol	107	7.353	7.353	0.0	95	512079	97.1	
90 Tetraethyl lead	237	7.391	7.391	0.0	54	43828	20.6	
94 Bis(2-chloroethoxy)methane	93	7.439	7.439	0.0	97	574483	95.8	
95 Benzoic acid	105	7.471	7.567	-0.096	61	36651	8.48	
97 2,4-Dichlorophenol	162	7.572	7.572	0.0	95	438841	100.3	
98 1,2,4-Trichlorobenzene	180	7.652	7.652	0.0	97	324074	70.0	
99 Naphthalene	128	7.738	7.738	0.0	98	1153569	79.4	
101 4-Chloroaniline	127	7.818	7.818	0.0	98	628812	97.5	
104 Hexachlorobutadiene	225	7.904	7.903	0.001	99	186484	67.6	
105 Caprolactam	113	8.245	8.203	0.042	94	49878	31.5	
110 4-Chloro-3-methylphenol	107	8.422	8.422	0.0	96	485488	113.0	
113 2-Methylnaphthalene	142	8.555	8.555	0.0	97	760411	82.6	
116 Hexachlorocyclopentadiene	237	8.753	8.758	-0.005	91	225910	72.9	
118 2,4,6-Trichlorophenol	196	8.903	8.902	0.001	97	332403	108.0	
119 2,4,5-Trichlorophenol	196	8.961	8.961	0.0	97	360815	109.7	
123 1,1'-Biphenyl	154	9.106	9.106	0.0	100	985024	81.0	
124 2-Chloronaphthalene	162	9.122	9.122	0.0	100	796457	88.0	
125 2-Nitroaniline	65	9.261	9.255	0.005	93	330221	123.0	
129 1,3-Dinitrobenzene	168	9.399	9.399	0.0	91	204682	145.4	
128 Dimethyl phthalate	163	9.480	9.474	0.006	100	1163436	109.9	
127 1,4-Dinitrobenzene	168	9.501	9.495	0.006	84	225587	127.5	
130 2,6-Dinitrotoluene	165	9.538	9.533	0.005	15	292117	122.8	
131 Acenaphthylene	152	9.608	9.602	0.006	97	1277715	97.2	
132 3-Nitroaniline	138	9.747	9.741	0.006	96	285224	107.2	
133 Acenaphthene	153	9.811	9.805	0.006	99	804769	100.2	
134 2,4-Dinitrophenol	184	9.853	9.853	0.0	93	174479	124.2	
135 4-Nitrophenol	109	9.987	9.987	0.0	89	102186	66.2	
137 2,4-Dinitrotoluene	165	10.003	9.998	0.005	77	365105	117.5	
138 Dibenzofuran	168	10.008	10.008	0.0	97	1155263	97.1	
140 2,3,4,6-Tetrachlorophenol	232	10.169	10.174	-0.005	97	298484	136.2	
142 Diethyl phthalate	149	10.286	10.281	0.005	100	1142225	118.0	
144 Fluorene	166	10.388	10.388	0.0	98	973739	105.9	
145 4-Chlorophenyl phenyl ether	204	10.393	10.393	0.0	80	465433	117.3	
147 4-Nitroaniline	138	10.441	10.430	0.011	85	313666	116.4	
148 4,6-Dinitro-2-methylphenol	198	10.457	10.452	0.005	96	264700	126.0	
149 N-Nitrosodiphenylamine	169	10.527	10.521	0.006	97	816169	113.5	
152 1,2-Diphenylhydrazine	77	10.564	10.559	0.005	99	1103183	115.2	
159 4-Bromophenyl phenyl ether	248	10.906	10.906	0.0	96	316968	109.3	
160 Hexachlorobenzene	284	10.981	10.981	0.0	97	325907	107.2	
163 Atrazine	200	11.098	11.093	0.005	93	355110	115.4	
165 Pentachlorophenol	266	11.189	11.189	0.0	97	238893	127.6	
171 Phenanthrene	178	11.381	11.376	0.005	100	1523898	109.7	
172 Anthracene	178	11.429	11.429	0.0	100	1562847	110.8	
173 Carbazole	167	11.595	11.595	0.0	100	1542699	113.2	
176 Di-n-butyl phthalate	149	11.926	11.926	0.0	100	1876739	118.0	
182 Fluoranthene	202	12.498	12.492	0.006	99	1769051	111.4	
183 Benzidine	184	12.615	12.610	0.005	100	765437	102.6	
185 Pyrene	202	12.696	12.695	0.001	99	1785693	122.0	
192 Butyl benzyl phthalate	149	13.246	13.246	0.0	99	926105	140.6	
196 3,3'-Dichlorobenzidine	252	13.716	13.710	0.006	67	573558	95.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
198 Bis(2-ethylhexyl) phthalate	149	13.737	13.737	0.0	93	1179187	130.4	
197 Benzo[a]anthracene	228	13.743	13.737	0.006	54	1724268	120.1	
199 Chrysene	228	13.780	13.775	0.005	99	1847621	120.2	
201 Di-n-octyl phthalate	149	14.272	14.266	0.006	99	2378385	137.7	
203 Benzo[b]fluoranthene	252	14.667	14.661	0.006	99	2154578	108.8	
204 Benzo[k]fluoranthene	252	14.694	14.683	0.011	99	2107779	106.6	
206 Benzo[a]pyrene	252	14.961	14.955	0.006	98	1962986	115.9	
208 Indeno[1,2,3-cd]pyrene	276	16.109	16.098	0.011	74	2361286	116.3	
209 Dibenz(a,h)anthracene	278	16.109	16.098	0.011	87	1966654	115.2	
210 Benzo[g,h,i]perylene	276	16.424	16.408	0.016	99	2139351	125.1	
S 214 3-Methylphenol	1				0		159.2	

Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5973X\20111109-7399.b\X0626.D

Injection Date: 09-Nov-2011 15:36:30

Limit Group: MB - 8270C ICAL

Client ID:

Instrument ID: HP5973X

Lims Batch ID: 39590

Lims Sample ID: 9

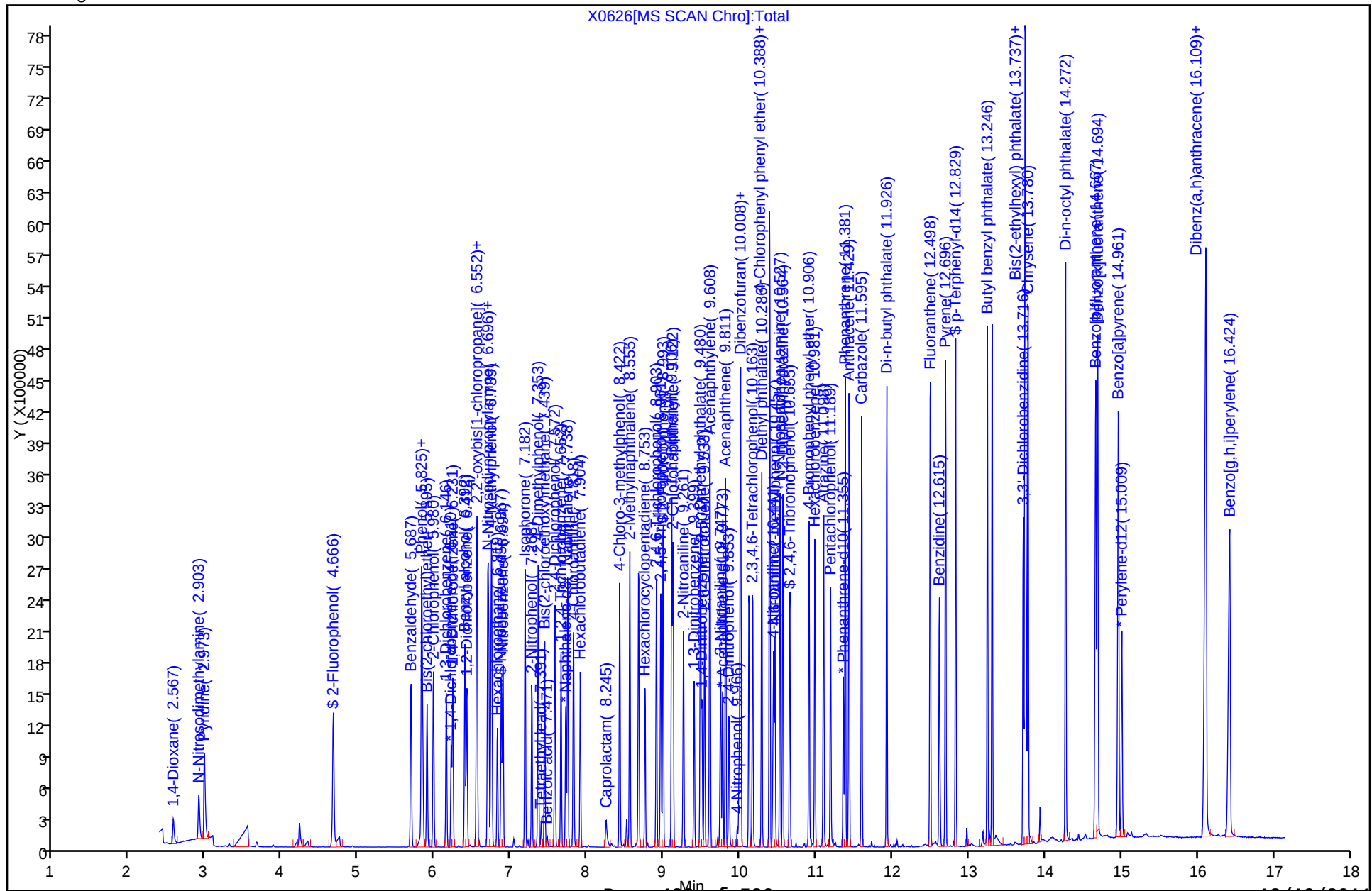
Operator ID: RJF

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 Buffalo Job No.: 480-12393-1

SDG No.: _____

Instrument ID: HP5973X Start Date: 11/04/2011 11:02Analysis Batch Number: 38940 End Date: 11/04/2011 14:40

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-38940/1		11/04/2011 11:02	1	X0409.D	RXI-5Sil MS 0.25 (mm)
IC 480-38940/2		11/04/2011 12:23	1	X0413.D	RXI-5Sil MS 0.25 (mm)
IC 480-38940/3		11/04/2011 12:46	1	X0414.D	RXI-5Sil MS 0.25 (mm)
IC 480-38940/4		11/04/2011 13:09	1	X0415.D	RXI-5Sil MS 0.25 (mm)
ICIS 480-38940/5		11/04/2011 13:32	1	X0416.D	RXI-5Sil MS 0.25 (mm)
IC 480-38940/6		11/04/2011 13:55	1	X0417.D	RXI-5Sil MS 0.25 (mm)
IC 480-38940/7		11/04/2011 14:17	1	X0418.D	RXI-5Sil MS 0.25 (mm)
ICV 480-38940/8		11/04/2011 14:40	1		RXI-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-12393-1

SDG No.: _____

Instrument ID: HP5973XStart Date: 11/09/2011 12:37Analysis Batch Number: 39590End Date: 11/09/2011 23:13

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-39590/1		11/09/2011 12:37	1	X0618.D	RXI-5Sil MS 0.25 (mm)
CCVIS 480-39590/2		11/09/2011 12:53	1	X0619.D	RXI-5Sil MS 0.25 (mm)
CCV 480-39590/3		11/09/2011 13:16	1		RXI-5Sil MS 0.25 (mm)
CCV 480-39590/4		11/09/2011 13:39	1		RXI-5Sil MS 0.25 (mm)
CCV 480-39590/5		11/09/2011 14:02	1		RXI-5Sil MS 0.25 (mm)
MB 480-39229/1-A		11/09/2011 14:50	1	X0624.D	RXI-5Sil MS 0.25 (mm)
LCS 480-39229/2-A		11/09/2011 15:13	1	X0625.D	RXI-5Sil MS 0.25 (mm)
LCSD 480-39229/3-A		11/09/2011 15:36	1	X0626.D	RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/09/2011 15:59	1000		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/09/2011 16:22	20		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/09/2011 16:45	100		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/09/2011 17:08	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/09/2011 17:30	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/09/2011 17:53	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/09/2011 18:16	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/09/2011 18:39	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/09/2011 19:01	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/09/2011 19:24	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/09/2011 19:47	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/09/2011 20:10	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/09/2011 20:33	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/09/2011 21:19	1		RXI-5Sil MS 0.25 (mm)
480-12393-5	EB-1	11/09/2011 23:13	1	X0646.D	RXI-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-12393-1

SDG No.: _____

Instrument ID: HP5973XStart Date: 11/10/2011 15:09Analysis Batch Number: 39801End Date: 11/11/2011 02:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-39801/1		11/10/2011 15:09	1	X0708.D	RXI-5Sil MS 0.25 (mm)
CCVIS 480-39801/2		11/10/2011 15:25	1	X0709.D	RXI-5Sil MS 0.25 (mm)
CCV 480-39801/3		11/10/2011 15:48	1		RXI-5Sil MS 0.25 (mm)
CCV 480-39801/4		11/10/2011 16:10	1		RXI-5Sil MS 0.25 (mm)
480-12393-1	DW 1R	11/10/2011 16:33	20	X0712.D	RXI-5Sil MS 0.25 (mm)
480-12393-2	MW 3 DR	11/10/2011 16:56	5	X0713.D	RXI-5Sil MS 0.25 (mm)
480-12393-3	MW 3 DR DUP	11/10/2011 17:19	5	X0714.D	RXI-5Sil MS 0.25 (mm)
480-12393-4	MW 8 DR	11/10/2011 17:42	100	X0715.D	RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/10/2011 18:05	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/10/2011 18:28	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/10/2011 18:50	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/10/2011 19:13	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/10/2011 19:36	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/10/2011 19:59	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/10/2011 20:22	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/10/2011 20:45	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/10/2011 21:08	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/10/2011 21:31	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/10/2011 21:53	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/10/2011 22:16	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/10/2011 22:39	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/10/2011 23:02	10		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/10/2011 23:25	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/10/2011 23:48	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/11/2011 00:11	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/11/2011 00:34	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/11/2011 00:57	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/11/2011 01:20	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/11/2011 01:42	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/11/2011 02:05	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/11/2011 02:28	10		RXI-5Sil MS 0.25 (mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1

SDG No.: _____

Batch Number: 39229 Batch Start Date: 11/07/11 14:12 Batch Analyst: Evers, DavidBatch Method: 3510C Batch End Date: 11/07/11 23:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FinalAmount	FirstAdjustpH	SecondAdjustpH	O_8270625surr 00002
MB 480-39229/1		3510C, 8270C		5	1000 mL	1 mL	<2	>11	1 mL
LCS 480-39229/2		3510C, 8270C		5	1000 mL	1 mL	<2	>11	1 mL
LCSD 480-39229/3		3510C, 8270C		5	1000 mL	1 mL	<2	>11	1 mL
480-12393-B-1	DW 1R	3510C, 8270C	T	6	1010 mL	1 mL	<2	>11	1 mL
480-12393-A-2	MW 3 DR	3510C, 8270C	T	6	1010 mL	1 mL	<2	>11	1 mL
480-12393-A-3	MW 3 DR DUP	3510C, 8270C	T	6	1060 mL	1 mL	<2	>11	1 mL
480-12393-B-4	MW 8 DR	3510C, 8270C	T	6	950 mL	1 mL	<2	>11	1 mL
480-12393-B-5	EB-1	3510C, 8270C	T	5	1030 mL	1 mL	<2	>11	1 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	O_8270full#1 00013	O_8270full#2 00011				
MB 480-39229/1		3510C, 8270C							
LCS 480-39229/2		3510C, 8270C		1 mL	1 mL				
LCSD 480-39229/3		3510C, 8270C		1 mL	1 mL				
480-12393-B-1	DW 1R	3510C, 8270C	T						
480-12393-A-2	MW 3 DR	3510C, 8270C	T						
480-12393-A-3	MW 3 DR DUP	3510C, 8270C	T						
480-12393-B-4	MW 8 DR	3510C, 8270C	T						
480-12393-B-5	EB-1	3510C, 8270C	T						

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1

SDG No.: _____

Batch Number: 39229 Batch Start Date: 11/07/11 14:12 Batch Analyst: Evers, DavidBatch Method: 3510C Batch End Date: 11/07/11 23:00

Batch Notes	
Acid used for pH adjustment	1:1 Sulfuric
Acid used for pH adjust Lot #	1080403
Base used for pH adjustment	Sodium Hydroxide
Base used for pH adjust Lot #	HC090126
Person's name who did the concentration	DLE
Final Concentrator Volume	1 mL
Na2SO4 Lot Number	27861005
Prep Solvent Lot #	K32E35
Prep Solvent Name	MeCl2
Prep Solvent Volume Used	360 mL
Person's name who did the prep	KB
Person's name who witnessed reagent drop	DLE
Sufficient volume for MS/MSD?	No

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-12393-1
SDG No.: _____
Project: RG&E East Station Former MPG Site-RI

Client Sample ID	Lab Sample ID
<u>DW 1R</u>	<u>480-12393-1</u>
<u>MW 3 DR</u>	<u>480-12393-2</u>
<u>MW 3 DR DUP</u>	<u>480-12393-3</u>
<u>MW 8 DR</u>	<u>480-12393-4</u>
<u>EB-1</u>	<u>480-12393-5</u>

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: DW 1R
Lab Name: TestAmerica Buffalo
SDG ID.:
Matrix: Water
Reporting Basis: WET

Lab Sample ID: 480-12393-1
Job No.: 480-12393-1
Date Sampled: 11/03/2011 18:03
Date Received: 11/05/2011 09:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.71	0.020	0.010	mg/L			2	9012A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW 3 DR

Lab Sample ID: 480-12393-2

Lab Name: TestAmerica Buffalo

Job No.: 480-12393-1

SDG ID.:

Matrix: Water

Date Sampled: 11/03/2011 18:05

Reporting Basis: WET

Date Received: 11/05/2011 09:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	1.2	0.10	0.050	mg/L			10	9012A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW 3 DR DUP Lab Sample ID: 480-12393-3
Lab Name: TestAmerica Buffalo Job No.: 480-12393-1
SDG ID.:
Matrix: Water Date Sampled: 11/03/2011 18:05
Reporting Basis: WET Date Received: 11/05/2011 09:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.85	0.10	0.050	mg/L			10	9012A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW 8 DR

Lab Sample ID: 480-12393-4

Lab Name: TestAmerica Buffalo

Job No.: 480-12393-1

SDG ID.:

Matrix: Water

Date Sampled: 11/04/2011 12:10

Reporting Basis: WET

Date Received: 11/05/2011 09:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.043	0.010	0.0050	mg/L			1	9012A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: EB-1 Lab Sample ID: 480-12393-5
Lab Name: TestAmerica Buffalo Job No.: 480-12393-1
SDG ID.: _____
Matrix: Water Date Sampled: 11/04/2011 12:00
Reporting Basis: WET Date Received: 11/05/2011 09:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	ND	0.010	0.0050	mg/L			1	9012A

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1
SDG No.: _____
Analyst: KS Batch Start Date: 11/15/2011
Reporting Units: mg/L Analytical Batch No.: 40455

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
25	CCV	12:07	Cyanide, Total	0.256	0.250	102	90-110		WC_CN_50ppm_00028
26	CCB	12:08	Cyanide, Total	ND					
37	CCV	12:17	Cyanide, Total	0.252	0.250	101	90-110		WC_CN_50ppm_00028
38	CCB	12:18	Cyanide, Total	ND					
49	CCV	12:28	Cyanide, Total	0.254	0.250	102	90-110		WC_CN_50ppm_00028
50	CCB	12:29	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.: 480-12393-1
SDG No.: _____
Analyst: KS Batch Start Date: 11/17/2011
Reporting Units: mg/L Analytical Batch No.: 40927

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	CCV	12:12	Cyanide, Total	0.247	0.250	99	90-110		WC_CN_50ppm_00028
2	CCB	12:13	Cyanide, Total	ND					
13	CCV	12:23	Cyanide, Total	0.247	0.250	99	90-110		WC_CN_50ppm_00028
14	CCB	12:24	Cyanide, Total	ND					
25	CCV	12:34	Cyanide, Total	0.240	0.250	96	90-110		WC_CN_50ppm_00028
26	CCB	12:35	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.: 480-12393-1
SDG No.: _____
Analyst: KS Batch Start Date: 11/17/2011
Reporting Units: mg/L Analytical Batch No.: 40944

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	CCV	14:14	Cyanide, Total	0.249	0.250	100	90-110		WC_CN_50ppm_00028
2	CCB	14:15	Cyanide, Total	ND					
9	CCV	14:21	Cyanide, Total	0.240	0.250	96	90-110		WC_CN_50ppm_00028
10	CCB	14:22	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.: 480-12393-1
SDG No.: _____
Analyst: JR Batch Start Date: 11/18/2011
Reporting Units: mg/L Analytical Batch No.: 41133

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
25	CCV	13:28	Cyanide, Total	0.264	0.250	106	90-110		WC_CNL_INT_00023
26	CCB	13:29	Cyanide, Total	ND					
37	CCV	13:38	Cyanide, Total	0.269	0.250	108	90-110		WC_CNL_INT_00023
38	CCB	13:39	Cyanide, Total	ND					
49	CCV	13:49	Cyanide, Total	0.266	0.250	106	90-110		WC_CNL_INT_00023
50	CCB	13:50	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.: 480-12393-1

SDG No.: _____

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 40455	Date: 11/15/2011 12:09	Prep Batch: 40070	Date: 11/11/2011 14:35				
9012A	MB 480-40070/1-A	Cyanide, Total	ND		mg/L	0.010	1
Batch ID: 40927	Date: 11/17/2011 12:14	Prep Batch: 40786	Date: 11/16/2011 16:46				
9012A	MB 480-40786/1-A	Cyanide, Total	ND		mg/L	0.010	1
Batch ID: 41133	Date: 11/18/2011 13:30	Prep Batch: 41045	Date: 11/18/2011 10:22				
9012A	MB 480-41045/1-A	Cyanide, Total	ND		mg/L	0.010	1

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1

SDG No.: _____

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 40944 Date: 11/17/2011 14:17 Prep Batch: 40786 Date: 11/16/2011 16:46											
9012A	480-12393-1	Cyanide, Total	0.71		mg/L						
9012A	480-12393-1	Cyanide, Total	0.776		mg/L	0.100	70	85-115			4
MS											

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1

SDG No.: _____

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 40455 Date: 11/15/2011 12:08 Prep Batch: 40070 Date: 11/11/2011 14:35 LCS Source: WC_CN_50ppm_00028											
9012A	LCS 480-40070/2-A	Cyanide, Total	0.236		mg/L	0.250	94	90-110			
Batch ID: 40927 Date: 11/17/2011 12:15 Prep Batch: 40786 Date: 11/16/2011 16:46 LCS Source: WC_CN_50ppm_00028											
9012A	LCS 480-40786/2-A	Cyanide, Total	0.253		mg/L	0.250	101	90-110			
Batch ID: 41133 Date: 11/18/2011 13:30 Prep Batch: 41045 Date: 11/18/2011 10:22 LCS Source: WC_CN_50ppm_00028											
9012A	LCS 480-41045/2-A	Cyanide, Total	0.420		mg/L	0.400	105	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: 480-12393-1
SDG Number: _____
Matrix: Water Instrument ID: LACHAT2
Method: 9012A MDL Date: 01/29/2010 00:00
Prep Method: 9012A

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Cyanide, Total		0.01	0.005

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-12393-1
SDG Number: _____
Matrix: Water Instrument ID: LACHAT2
Method: 9012A XMDL Date: 01/29/2010 00:00

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Cyanide, Total		0.01	0.005

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1

SDG No.: _____

Prep Method: 9012A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 480-40070/1-A	11/11/2011 14:35	40070		50	50
LCS 480-40070/2-A	11/11/2011 14:35	40070		50	50
480-12393-5	11/11/2011 14:35	40070		50	50

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1

SDG No.: _____

Prep Method: 9012A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 480-40786/1-A	11/16/2011 16:46	40786		50	50
LCS 480-40786/2-A	11/16/2011 16:46	40786		50	50
480-12393-1	11/16/2011 16:46	40786		50	50
480-12393-1 MS	11/16/2011 16:46	40786		50	50
480-12393-2	11/16/2011 16:46	40786		50	50
480-12393-3	11/16/2011 16:46	40786		50	50

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1

SDG No.: _____

Prep Method: 9012A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 480-41045/1-A	11/18/2011 10:22	41045		50	50
LCS 480-41045/2-A	11/18/2011 10:22	41045		50	50
480-12393-4	11/18/2011 10:22	41045		50	50

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1

SDG No.: _____

Instrument ID: LACHAT2 Method: 9012A

Start Date: 11/15/2011 11:45 End Date: 11/15/2011 12:59

Lab Sample ID	D / F	T y p e	Time	Analytes															
				C N															
CCV 480-40455/1			11:45																
CCB 480-40455/2			11:46																
ZZZZZZ			11:47																
ZZZZZZ			11:48																
ZZZZZZ			11:49																
ZZZZZZ			11:50																
ZZZZZZ			11:51																
ZZZZZZ			11:52																
ZZZZZZ			11:53																
ZZZZZZ			11:53																
ZZZZZZ			11:54																
ZZZZZZ			11:55																
CCV 480-40455/13			11:56																
CCB 480-40455/14			11:57																
ZZZZZZ			11:58																
ZZZZZZ			11:59																
ZZZZZZ			12:00																
ZZZZZZ			12:00																
ZZZZZZ			12:01																
ZZZZZZ			12:02																
ZZZZZZ			12:03																
ZZZZZZ			12:04																
ZZZZZZ			12:05																
ZZZZZZ			12:06																
CCV 480-40455/25	1		12:07	X															
CCB 480-40455/26	1		12:08	X															
LCS 480-40070/2-A	1	T	12:08	X															
MB 480-40070/1-A	1	T	12:09	X															
ZZZZZZ			12:10																
ZZZZZZ			12:11																
ZZZZZZ			12:12																
ZZZZZZ			12:13																
ZZZZZZ			12:14																
ZZZZZZ			12:15																
ZZZZZZ			12:16																
ZZZZZZ			12:16																
CCV 480-40455/37	1		12:17	X															
CCB 480-40455/38	1		12:18	X															
ZZZZZZ			12:19																
ZZZZZZ			12:20																
ZZZZZZ			12:21																
ZZZZZZ			12:22																

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1

SDG No.: _____

Instrument ID: LACHAT2 Method: 9012A

Start Date: 11/15/2011 11:45 End Date: 11/15/2011 12:59

Lab Sample ID	D / F	T y p e	Time	Analytes															
				C N															
ZZZZZZ			12:23																
480-12393-5	1	T	12:24	X															
ZZZZZZ			12:24																
ZZZZZZ			12:25																
ZZZZZZ			12:26																
ZZZZZZ			12:27																
CCV 480-40455/49	1		12:28	X															
CCB 480-40455/50	1		12:29	X															
ZZZZZZ			12:30																
ZZZZZZ			12:31																
ZZZZZZ			12:32																
ZZZZZZ			12:33																
ZZZZZZ			12:33																
ZZZZZZ			12:34																
ZZZZZZ			12:35																
ZZZZZZ			12:36																
ZZZZZZ			12:37																
ZZZZZZ			12:38																
CCV 480-40455/61			12:39																
CCB 480-40455/62			12:40																
ZZZZZZ			12:41																
ZZZZZZ			12:42																
ZZZZZZ			12:43																
ZZZZZZ			12:43																
ZZZZZZ			12:44																
ZZZZZZ			12:45																
ZZZZZZ			12:46																
ZZZZZZ			12:47																
ZZZZZZ			12:48																
ZZZZZZ			12:49																
CCV 480-40455/73			12:50																
CCB 480-40455/74			12:51																
ZZZZZZ			12:51																
ZZZZZZ			12:52																
ZZZZZZ			12:53																
ZZZZZZ			12:54																
ZZZZZZ			12:55																
ZZZZZZ			12:56																
ZZZZZZ			12:57																
ZZZZZZ			12:58																
ZZZZZZ			12:59																

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1

SDG No.: _____

Instrument ID: LACHAT2 Method: 9012A

Start Date: 11/15/2011 11:45 End Date: 11/15/2011 12:59

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1

SDG No.: _____

Instrument ID: LACHAT2 Method: 9012A

Start Date: 11/17/2011 12:12 End Date: 11/17/2011 13:59

Lab Sample ID	D / F	T y p e	Time	Analytes															
				C N															
CCV 480-40927/1	1		12:12	X															
CCB 480-40927/2	1		12:13	X															
MB 480-40786/1-A	1	T	12:14	X															
LCS 480-40786/2-A	1	T	12:15	X															
ZZZZZZ			12:16																
ZZZZZZ			12:16																
ZZZZZZ			12:17																
ZZZZZZ			12:18																
ZZZZZZ			12:19																
ZZZZZZ			12:20																
ZZZZZZ			12:21																
ZZZZZZ			12:22																
CCV 480-40927/13	1		12:23	X															
CCB 480-40927/14	1		12:24	X															
ZZZZZZ			12:25																
ZZZZZZ			12:25																
ZZZZZZ			12:26																
ZZZZZZ			12:27																
ZZZZZZ			12:28																
ZZZZZZ			12:29																
ZZZZZZ			12:30																
ZZZZZZ			12:31																
ZZZZZZ			12:32																
ZZZZZZ			12:33																
CCV 480-40927/25	1		12:34	X															
CCB 480-40927/26	1		12:35	X															
ZZZZZZ			12:35																
ZZZZZZ			12:36																
ZZZZZZ			12:37																
ZZZZZZ			12:38																
ZZZZZZ			12:39																
ZZZZZZ			12:40																
ZZZZZZ			12:41																
ZZZZZZ			12:42																
ZZZZZZ			12:43																
ZZZZZZ			12:44																
CCV 480-40927/37			12:44																
CCB 480-40927/38			12:45																
ZZZZZZ			12:46																
ZZZZZZ			12:47																
ZZZZZZ			12:48																
ZZZZZZ			12:49																

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1

SDG No.: _____

Instrument ID: LACHAT2 Method: 9012A

Start Date: 11/17/2011 12:12 End Date: 11/17/2011 13:59

Lab Sample ID	D / F	T y p e	Time	Analytes															
				C N															
ZZZZZZ			12:50																
ZZZZZZ			12:51																
ZZZZZZ			12:52																
ZZZZZZ			12:53																
ZZZZZZ			12:54																
ZZZZZZ			12:54																
CCV 480-40927/49			12:55																
CCB 480-40927/50			12:56																
ZZZZZZ			12:57																
ZZZZZZ			12:58																
ZZZZZZ			12:59																
ZZZZZZ			13:00																
ZZZZZZ			13:01																
ZZZZZZ			13:02																
ZZZZZZ			13:02																
CCV 480-40927/58			13:03																
CCB 480-40927/59			13:04																
ZZZZZZ			13:05																
ZZZZZZ			13:06																
ZZZZZZ			13:07																
ZZZZZZ			13:08																
ZZZZZZ			13:09																
ZZZZZZ			13:10																
ZZZZZZ			13:11																
ZZZZZZ			13:12																
ZZZZZZ			13:13																
ZZZZZZ			13:13																
CCV 480-40927/70			13:14																
CCB 480-40927/71			13:15																
ZZZZZZ			13:16																
ZZZZZZ			13:17																
ZZZZZZ			13:18																
ZZZZZZ			13:19																
ZZZZZZ			13:20																
ZZZZZZ			13:21																
ZZZZZZ			13:22																
ZZZZZZ			13:23																
ZZZZZZ			13:23																
ZZZZZZ			13:24																
CCV 480-40927/82			13:25																
CCB 480-40927/83			13:26																
ZZZZZZ			13:27																

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1

SDG No.: _____

Instrument ID: LACHAT2 Method: 9012A

Start Date: 11/17/2011 12:12 End Date: 11/17/2011 13:59

Lab Sample ID	D / F	T y p e	Time	Analytes															
				C N															
ZZZZZZ			13:28																
ZZZZZZ			13:29																
ZZZZZZ			13:30																
ZZZZZZ			13:31																
ZZZZZZ			13:32																
ZZZZZZ			13:33																
ZZZZZZ			13:33																
ZZZZZZ			13:34																
ZZZZZZ			13:35																
CCV 480-40927/94			13:36																
CCB 480-40927/95			13:37																
ZZZZZZ			13:38																
ZZZZZZ			13:39																
ZZZZZZ			13:40																
ZZZZZZ			13:41																
ZZZZZZ			13:42																
ZZZZZZ			13:43																
ZZZZZZ			13:44																
ZZZZZZ			13:44																
ZZZZZZ			13:45																
ZZZZZZ			13:46																
CCV 480-40927/106			13:47																
CCB 480-40927/107			13:48																
ZZZZZZ			13:49																
ZZZZZZ			13:50																
ZZZZZZ			13:51																
ZZZZZZ			13:52																
ZZZZZZ			13:53																
ZZZZZZ			13:54																
ZZZZZZ			13:54																
ZZZZZZ			13:55																
ZZZZZZ			13:56																
ZZZZZZ			13:57																
ZZZZZZ			13:58																
ZZZZZZ			13:59																

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1

SDG No.: _____

Instrument ID: LACHAT2 Method: 9012A

Start Date: 11/17/2011 14:14 End Date: 11/17/2011 14:22

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				C N																	
CCV 480-40944/1	1		14:14	X																	
CCB 480-40944/2	1		14:15	X																	
ZZZZZZ			14:16																		
480-12393-1	2	T	14:17	X																	
480-12393-1 MS	2	T	14:17	X																	
480-12393-2	10	T	14:18	X																	
480-12393-3	10	T	14:19	X																	
ZZZZZZ			14:20																		
CCV 480-40944/9	1		14:21	X																	
CCB 480-40944/10	1		14:22	X																	

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1

SDG No.: _____

Instrument ID: LACHAT2 Method: 9012A

Start Date: 11/18/2011 13:07 End Date: 11/18/2011 14:25

Lab Sample ID	D / F	T y p e	Time	Analytes															
				C N															
CCV 480-41133/1			13:07																
CCB 480-41133/2			13:08																
ZZZZZZ			13:08																
ZZZZZZ			13:09																
ZZZZZZ			13:10																
ZZZZZZ			13:11																
ZZZZZZ			13:12																
ZZZZZZ			13:13																
ZZZZZZ			13:14																
ZZZZZZ			13:15																
ZZZZZZ			13:16																
ZZZZZZ			13:16																
CCV 480-41133/13			13:17																
CCB 480-41133/14			13:18																
ZZZZZZ			13:19																
ZZZZZZ			13:20																
ZZZZZZ			13:21																
ZZZZZZ			13:22																
ZZZZZZ			13:22																
ZZZZZZ			13:23																
ZZZZZZ			13:24																
ZZZZZZ			13:25																
ZZZZZZ			13:26																
ZZZZZZ			13:27																
CCV 480-41133/25	1		13:28	X															
CCB 480-41133/26	1		13:29	X															
MB 480-41045/1-A	1	T	13:30	X															
LCS 480-41045/2-A	1	T	13:30	X															
ZZZZZZ			13:31																
ZZZZZZ			13:32																
ZZZZZZ			13:33																
ZZZZZZ			13:34																
ZZZZZZ			13:35																
ZZZZZZ			13:36																
ZZZZZZ			13:37																
ZZZZZZ			13:37																
CCV 480-41133/37	1		13:38	X															
CCB 480-41133/38	1		13:39	X															
ZZZZZZ			13:40																
ZZZZZZ			13:41																
ZZZZZZ			13:42																
ZZZZZZ			13:43																

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1

SDG No.: _____

Instrument ID: LACHAT2 Method: 9012A

Start Date: 11/18/2011 13:07 End Date: 11/18/2011 14:25

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				C N																	
ZZZZZZ			13:44																		
480-12393-4	1	T	13:45	X																	
ZZZZZZ			13:45																		
ZZZZZZ			13:46																		
ZZZZZZ			13:47																		
ZZZZZZ			13:48																		
CCV 480-41133/49	1		13:49	X																	
CCB 480-41133/50	1		13:50	X																	
ZZZZZZ			13:51																		
ZZZZZZ			13:52																		
ZZZZZZ			13:52																		
ZZZZZZ			13:53																		
ZZZZZZ			13:54																		
ZZZZZZ			13:55																		
ZZZZZZ			13:56																		
ZZZZZZ			13:57																		
ZZZZZZ			13:58																		
ZZZZZZ			13:59																		
CCV 480-41133/61			14:00																		
CCB 480-41133/62			14:00																		
ZZZZZZ			14:01																		
ZZZZZZ			14:02																		
ZZZZZZ			14:03																		
ZZZZZZ			14:04																		
ZZZZZZ			14:05																		
ZZZZZZ			14:06																		
ZZZZZZ			14:07																		
ZZZZZZ			14:07																		
ZZZZZZ			14:08																		
ZZZZZZ			14:09																		
CCV 480-41133/73			14:10																		
CCB 480-41133/74			14:11																		
ZZZZZZ			14:12																		
ZZZZZZ			14:13																		
ZZZZZZ			14:14																		
CCV 480-41133/78			14:15																		
CCB 480-41133/79			14:15																		
ZZZZZZ			14:16																		
ZZZZZZ			14:17																		
ZZZZZZ			14:18																		
ZZZZZZ			14:19																		
ZZZZZZ			14:20																		

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1

SDG No.: _____

Instrument ID: LACHAT2 Method: 9012A

Start Date: 11/18/2011 13:07 End Date: 11/18/2011 14:25

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				C	N																
ZZZZZZ			14:21																		
ZZZZZZ			14:22																		
ZZZZZZ			14:23																		
ZZZZZZ			14:24																		
ZZZZZZ			14:24																		
ZZZZZZ			14:25																		

Prep Types

T = Total/NA

Solutions:
Cyanide 335.4/9012/335.1/4500

Potassium Phosphate Buffer	480107	Exp. 22 November 2011
Pyridine Barbituric Acid	480170	Exp. 22 November 2011
Chloramine-T	480106	Exp. 22 November 2011

LCS =0.4mg/L, 0.25mg/L
CCV =0.25mg/L
MS/SD =0.1mg/L

<u>ERA D064-541</u>	Actual =31.5mg/Kg Range =10.8- 45.4mg/Kg

<u>ERA D067-541</u>	Actual =44.0mg/Kg Range =12.8– 53.8mg/Kg

50ppm INT STD =475166

Original Run Filename: OM_11-15-2011_11-44-57AM.OMN Created: 11/15/2011 11:44:57 AM

Original Run Author's Signature: [Buflachat]

Current Run Filename: OM_11-15-2011_11-44-57AM.OMN Last Modified: 11/15/2011 1:01:19 PM

Current Run Author's Signature: [Buflachat]

Description: Default New Run

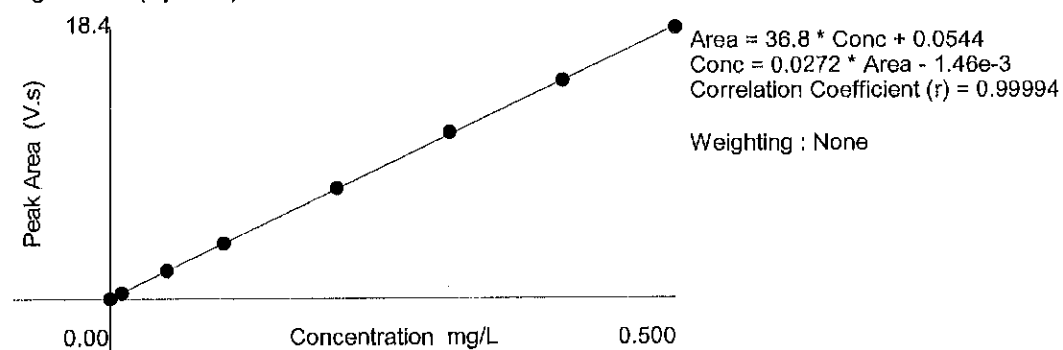
Sample	Rep.	Cup No.	Channel 1			Detection Time	Description
			Cyanide Conc. (mg/L)	Area (V.s)	Height (V)		
CCV	1	S10	0.252	9.34	0.673	11/15/2011@11:45:54 AM	
Known Conc:			0.250				
Calibration:			Table/Fig. : 1				
CCB	1	S11	-1.02e-3	0.0161	2.36e-3	11/15/2011@11:46:47 AM	
Known Conc:			0.00				
mb 480-40067/1-a	1	1	1.06e-4	0.0575	3.05e-3	11/15/2011@11:47:41 AM	
lcs 480-40067/2-a	1	2	0.324	12.0	0.864	11/15/2011@11:48:36 AM	
480-12373-f-1-a	1	3	2.50e-3	0.146	0.0100	11/15/2011@11:49:29 AM	
480-12326-d-1-a	1	4	-4.60e-4	0.0366	3.62e-3	11/15/2011@11:50:23 AM	
480-12326-d-3-a	1	5	-6.42e-4	0.0299	2.60e-3	11/15/2011@11:51:18 AM	
480-12326-d-4-a	1	6	-2.38e-3	-0.0340	-2.55e-3	11/15/2011@11:52:11 AM	
480-12326-d-7-a	1	7	-3.77e-4	0.0397	2.96e-3	11/15/2011@11:53:05 AM	
480-12326-d-9-a	1	8	-1.47e-4	0.0482	3.72e-3	11/15/2011@11:53:57 AM	
480-12326-d-11-a	1	9	2.42e-4	0.0625	2.21e-3	11/15/2011@11:54:50 AM	
480-12326-d-13-a	1	10	-6.36e-4	0.0302	2.94e-3	11/15/2011@11:55:43 AM	
CCV	1	S10	0.252	9.32	0.668	11/15/2011@11:56:36 AM	
Known Conc:			100				
CCB	1	S11	-2.03e-3	-0.0213	-2.46e-3	11/15/2011@11:57:29 AM	
Known Conc:			100				
480-12326-d-14-a	1	11	-5.96e-4	0.0316	3.12e-3	11/15/2011@11:58:21 AM	
480-12373-f-2-a	1	12	4.34e-3	0.213	0.0150	11/15/2011@11:59:13 AM	
480-12393-c-1-a	1	13	0.947	34.9	2.51	11/15/2011@12:00:05 PM	
480-12393-c-2-a	1	14	1.08	39.7	2.88	11/15/2011@12:00:57 PM	
480-12393-c-3-a	1	15	1.20	44.1	3.16	11/15/2011@12:01:49 PM	
480-12376-l-1-a	1	16	0.0119	0.490	0.0343	11/15/2011@12:02:43 PM	
480-12381-d-1-a	1	17	-2.15e-3	-0.0257	-2.23e-3	11/15/2011@12:03:37 PM	
480-12381-d-1-b du	1	18	-6.40e-4	0.0300	2.43e-3	11/15/2011@12:04:31 PM	
480-12381-d-2-a	1	19	4.70e-4	0.0709	6.22e-3	11/15/2011@12:05:25 PM	
480-12381-d-2-b ms	1	20	0.0713	2.68	0.191	11/15/2011@12:06:19 PM	
CCV	1	S10	0.256	9.48	0.680	11/15/2011@12:07:12 PM	
Known Conc:			100				
CCB	1	S11	-1.24e-3	7.88e-3	2.22e-3	11/15/2011@12:08:05 PM	
Known Conc:			100				
mb 480-40070/1-a	1	21	0.236	8.74	0.630	11/15/2011@12:08:59 PM	
lcs 480-40070/2-a	1	22	3.91e-3	0.198	0.0142	11/15/2011@12:09:52 PM	
480-12381-d-3-a	1	23	-3.24e-3	-0.0658	-5.28e-3	11/15/2011@12:10:45 PM	
480-12381-d-4-a	1	24	-5.29e-4	0.0341	2.65e-3	11/15/2011@12:11:38 PM	
480-12381-d-5-a	1	25	3.96e-3	0.199	0.0133	11/15/2011@12:12:31 PM	
480-12381-d-6-a	1	26	2.08e-4	0.0612	4.36e-3	11/15/2011@12:13:24 PM	
480-12383-l-1-a	1	27	6.67e-3	0.299	0.0213	11/15/2011@12:14:16 PM	
480-12384-g-1-a	1	28	3.37e-5	0.0548	4.52e-3	11/15/2011@12:15:10 PM	
480-12384-g-2-a	1	29	-2.26e-3	-0.0297	-2.42e-3	11/15/2011@12:16:02 PM	
480-12384-g-3-a	1	30	-8.17e-5	0.0506	3.36e-3	11/15/2011@12:16:53 PM	
CCV	1	S10	0.252	9.34	0.669	11/15/2011@12:17:46 PM	
Known Conc:			100				
CCB	1	S11	-7.79e-4	0.0249	3.17e-3	11/15/2011@12:18:39 PM	
Known Conc:			100				
480-12384-g-4-a	1	31	-1.18e-3	0.0100	2.38e-3	11/15/2011@12:19:33 PM	
480-12384-g-5-a	1	32	-5.03e-4	0.0351	4.03e-3	11/15/2011@12:20:27 PM	
480-12384-g-5-b du	1	33	-5.15e-4	0.0346	2.91e-3	11/15/2011@12:21:22 PM	
480-12384-g-4-b	1	34	0.0374	1.43	0.101	11/15/2011@12:22:17 PM	
480-12384-g-4-c ms	1	35	0.163	6.05	0.438	11/15/2011@12:23:10 PM	
480-12393-c-5-a	1	36	-1.90e-4	0.0466	3.45e-3	11/15/2011@12:24:06 PM	
480-12425-a-3-a	1	37	8.56e-3	0.369	0.0258	11/15/2011@12:24:59 PM	
480-12426-a-1-a	1	38	8.23e-3	0.357	0.0237	11/15/2011@12:25:53 PM	
480-12426-a-3-a	1	39	0.0114	0.475	0.0337	11/15/2011@12:26:48 PM	
480-0/0-c	1	40	0.218	8.08	0.580	11/15/2011@12:27:41 PM	
CCV	1	S10	0.254	9.40	0.673	11/15/2011@12:28:35 PM	

		Known Conc:		100				
CCB	1	S11	-1.01e-3	0.0163	1.94e-3	11/15/2011@12:29:29 PM		
		Known Conc:		100				
mb 480-40072/1-a	1	41	0.0271	1.05	0.0756	11/15/2011@12:30:23 PM		
lcs 480-40072/2-a	1	42	0.248	9.18	0.660	11/15/2011@12:31:17 PM		
480-12426-a-1-b	1	43	0.0109	0.454	0.0313	11/15/2011@12:32:10 PM		
480-12426-a-3-b	1	44	0.0123	0.506	0.0346	11/15/2011@12:33:04 PM		
480-12232-h-2-a	1	45	1.68e-4	0.0598	3.71e-3	11/15/2011@12:33:57 PM		
480-12314-s-1-a	1	46	2.06e-3	0.130	9.25e-3	11/15/2011@12:34:51 PM		
480-12427-j-1-a	1	47	-1.33e-4	0.0487	3.20e-3	11/15/2011@12:35:47 PM		
480-12427-j-2-a	1	48	-3.13e-3	-0.0616	-3.40e-3	11/15/2011@12:36:41 PM		
480-12427-j-3-a	1	49	4.16e-4	0.0689	5.25e-3	11/15/2011@12:37:35 PM		
480-12427-j-4-a	1	50	-3.87e-4	0.0393	3.33e-3	11/15/2011@12:38:30 PM		
CCV	1	S10	0.250	9.24	0.661	11/15/2011@12:39:23 PM		
		Known Conc:		100				
CCB	1	S11	7.64e-5	0.0564	4.38e-3	11/15/2011@12:40:17 PM		
		Known Conc:		100				
480-12427-j-5-a	1	51	-1.01e-3	0.0164	2.27e-3	11/15/2011@12:41:12 PM		
480-12427-j-5-b du	1	52	-1.48e-3	-8.38e-4	1.47e-3	11/15/2011@12:42:06 PM		
480-12427-j-6-a	1	53	-2.35e-4	0.0449	3.94e-3	11/15/2011@12:43:00 PM		
480-12427-j-6-b ms	1	54	0.0883	3.30	0.239	11/15/2011@12:43:55 PM		
480-12427-j-7-a	1	55	-1.19e-4	0.0492	4.30e-3	11/15/2011@12:44:49 PM		
480-12427-j-8-a	1	56	-2.64e-4	0.0438	2.88e-3	11/15/2011@12:45:43 PM		
480-12427-j-9-a	1	57	-1.82e-3	-0.0134	-1.85e-3	11/15/2011@12:46:35 PM		
480-12427-j-10-a	1	58	2.80e-4	0.0639	4.78e-3	11/15/2011@12:47:28 PM		
480-12427-j-11-a	1	59	1.78e-4	0.0601	4.91e-3	11/15/2011@12:48:21 PM		
480-12427-j-12-a	1	60	-4.10e-4	0.0385	3.00e-3	11/15/2011@12:49:13 PM		
CCV	1	S10	0.248	9.17	0.728	11/15/2011@12:50:06 PM		
		Known Conc:		100				
CCB	1	S11	-1.51e-3	-1.85e-3	2.07e-3	11/15/2011@12:51:00 PM		
		Known Conc:		100				
LCS 480-40067/2-A	1	61	-1.21e-3	8.88e-3	-3.70e-3	11/15/2011@12:51:54 PM		
Sample76	1	62	0.633	23.4	6.48	11/15/2011@12:52:50 PM		
Sample77	1	63	0.521	19.3	5.80	11/15/2011@12:53:44 PM		
480-12393-c-1-a^5	1	64	0.229	8.47	0.623	11/15/2011@12:54:56 PM		
480-12393-c-2-a^5	1	65	0.229	8.49	0.613	11/15/2011@12:55:50 PM		
480-12393-c-3-a^5	1	66	0.285	10.6	0.758	11/15/2011@12:56:44 PM		
lcs 480-40067/2-a	1	67	0.312	11.5	0.829	11/15/2011@12:57:40 PM		
CCV	1	S10	0.252	9.34	0.670	11/15/2011@12:58:33 PM		
		Known Conc:		100				
CCB	1	S11	-5.51e-4	0.0333	2.88e-3	11/15/2011@12:59:26 PM		
		Known Conc:		100				

Table : 1 (Cyanide)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	0.500	1	18.4	1.28	0.0	0.5	0.497	9/30/2011	10:23:41 AM
2	0.400	1	14.8	1.04	0.0	0.1	0.400	9/30/2011	10:24:33 AM
3	0.300	1	11.2	0.789	0.0	-1.3	0.304	9/30/2011	10:25:26 AM
4	0.200	1	7.47	0.526	0.0	-0.7	0.201	9/30/2011	10:26:19 AM
5	0.100	1	3.74	0.261	0.0	0.0	0.100	9/30/2011	10:27:13 AM
6	0.0500	1	1.90	0.131	0.0	-0.3	0.0502	9/30/2011	10:28:07 AM
7	0.0100	1	0.386	0.0267	0.0	8.5	9.04e-3	9/30/2011	10:29:03 AM
8	0.00	1	-2.88e-3	1.04e-3			-1.53e-3	9/30/2011	10:29:58 AM

Figure : 1 (Cyanide)



Original Run Filename: OM_11-15-2011_01-50-00PM.OMN Created: 11/15/2011 1:50:00 PM

Original Run Author's Signature: [Buflachat]

Current Run Filename: OM_11-15-2011_01-50-00PM.OMN Last Modified: 11/15/2011 1:57:07 PM

Current Run Author's Signature: [Buflachat]

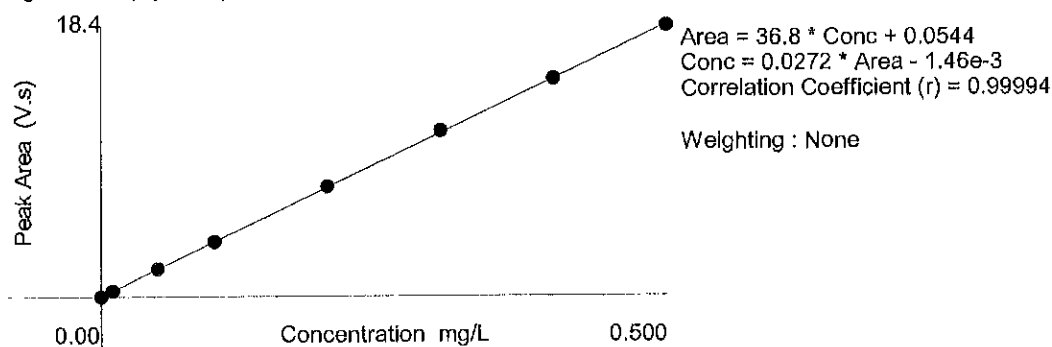
Description: Default New Run

Sample	Rep.	Cup No.	Channel 1			Detection Time	Description
			Cyanide	Area	Height		
Conc. (mg/L)			(V.s)	(V)			
CCV	1	S10	0.264	9.76	0.700	11/15/2011@1:50:52 PM	
Known Conc:			0.250				
Calibration:			Table/Fig. : 1				
CCB	1	S11	-1.17e-3	0.0106	2.74e-3	11/15/2011@1:51:45 PM	
Known Conc:			0.00				
480-12426-a-1-a;NA	1	1	8.66e-3	0.372	0.0257	11/15/2011@1:52:38 PM	
480-12426-a-3-a;NA	1	2	0.0120	0.494	0.0346	11/15/2011@1:53:31 PM	
CCV	1	S10	0.256	9.48	0.676	11/15/2011@1:54:24 PM	
Known Conc:			100				
CCB	1	S11	-1.91e-3	-0.0167	2.62e-3	11/15/2011@1:55:16 PM	
Known Conc:			100				

Table : 1 (Cyanide)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	0.500	1	18.4	1.28	0.0	0.5	0.497	9/30/2011	10:23:41 AM
2	0.400	1	14.8	1.04	0.0	0.1	0.400	9/30/2011	10:24:33 AM
3	0.300	1	11.2	0.789	0.0	-1.3	0.304	9/30/2011	10:25:26 AM
4	0.200	1	7.47	0.526	0.0	-0.7	0.201	9/30/2011	10:26:19 AM
5	0.100	1	3.74	0.261	0.0	0.0	0.100	9/30/2011	10:27:13 AM
6	0.0500	1	1.90	0.131	0.0	-0.3	0.0502	9/30/2011	10:28:07 AM
7	0.0100	1	0.386	0.0267	0.0	8.5	9.04e-3	9/30/2011	10:29:03 AM
8	0.00	1	-2.88e-3	1.04e-3			-1.53e-3	9/30/2011	10:29:58 AM

Figure : 1 (Cyanide)



Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Volume (ml)	Soil Weight (g)	Spike Amount	If Spiked Please 	Comments
11-11-11	PSN	MB	BLANK	1	50				
			LC5 @ 47ppm	2			400mg	✓	
			12373 F-1	3					
			12326 D-1	4					
			D-3	5					
			D-4	6					
			D-7	7					
			D-9	8					
			D-11	9					
			D-13	10					
			D-14	11					
			F-2	12					
		12373	C-1	13					
		12393	C-2	14					
			C-3	15					

Start Time 6:00 End Time 4:55:57

Magnesium Chloride: 455573

Sulfuric Acid: 6125365

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 #

Other:

Reviewed By Date

Cyanide Total Standard:

Cyanide Intermediate Standard 466763

Zinc Acetate:

ERA Soil Lot#

0.25N NaOH: 466949

14801-310309

ERA Water Lot#

Cyanide Free Standard:

SAMPLES

1-20 - batch # 40007

21-40 - batch # 40070

41-60 - batch # 40072

Rev. 1

12/15/2009

19/200

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Volume (ml)	Soil Weight (g)	Spike Amount	If Spiked Please 	Comments
11-11-11	DSN	12386	L-1	16					
		12381	D-1	17					
			D-1 D-0	18					
			D-2	19			100 mL	✓	
			D-2 MS - 20	20					
		MB	BLANK	21			250 mL	✓	
		LCS	@ 25 ppm	22					
		12381	D-3	23					
			D-4	24					
			D-5	25					
			D-6	26					
		12383	D-1	27					
		12384	G-1	28					
			G-2	29					
			G-3	30					

Start Time _____ End Time _____ H₂S _____ Cl₂ _____ ERA Water Lot# _____
 Magnesium Chloride: _____ Cyanide Total Standard: _____ ERA Soil Lot# _____ Cyanide Free Standard: _____
 Sulfamic Acid: _____ Cyanide Intermediate Standard _____ 0.25N NaOH: _____

Acetate Buffer: _____ Zinc Acetate: _____
 Block Temp Check: _____
 Block# _____ Measured Temp °C _____ Corrected Temp °C (After Correction factor has been applied) _____ Cell# _____
 Block# _____ Measured Temp °C _____ Corrected Temp °C (After Correction factor has been applied) _____ Cell# _____
 Reviewed By _____ Date _____

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Volume (ml)	Soil Weight (g)	Spike Amount	If Spiked Please 	Comments
11-11-11	PSN	12384	G-4	31	50 mL				
		12384	G-5	32					
			G-5 DU	33					
			G-4	34					
			G-4 MS	35			100 mL	✓	
		12383	G-5	36					
		12405	A-3	37					
		12426	A-1	38					Ammen ↓
			A-3	39					
		IDOG	IDOCIRS	40					
		MB	BLANK	41					
		LLS	@ 125 ppm	42			250 mL	✓	
		12426	A1	43					
		L	A3	44					
		12332	H-2	45					

Start Time _____ End Time _____ H₂S _____ Cl₂ _____ ERA Water Lot# _____
 Magnesium Chloride: _____ Cyanide Total Standard: _____ ERA Soil Lot# _____
 Sulfuric 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 _____

Rev. 1

12/15/2009

193/200

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Volume (ml)	Soil Weight (g)	Spike Amount	If Spiked Please 	Comments
11/11/11	PSN	12314	S-1	46	50 ml				
		12487	J-1	47					
			J-2	48					
			J-3	49					
			J-4	50					
			J-5	51					
			J-5 DU	52					
			J-6	53					
			J-6 NS	54					
			J-7	55					
			J-8	56					
			J-9	57					
			J-10	58					
			J-11	59					
			J-12	60					

Start Time _____ End Time _____ H₂S _____ Cl₂ _____ ERA Water Lot# _____
 Magnesium Chloride: _____ Cyanide Total Standard: _____ ERA Soil Lot# _____ Cyanide Free Standard: _____
 Sulfuric Acid: _____ Cyanide Intermediate Standard _____ 0.25N NaOH: _____
 Acetate Buffer: _____ Zinc Acetate: _____
 Block Temp Check: _____
 Block# _____ Measured Temp °C _____ Corrected Temp °C (After Correction factor has been applied) _____ Cell# _____
 Block# _____ Measured Temp °C _____ Corrected Temp °C (After Correction factor has been applied) _____ Cell# _____
 Other: _____ Reviewed By _____ Date _____

WC Cyanide Digestion @ 11/11/2011 5:55:17 AM

Login Method	Lab Sample ID	SRF	Method Description	Job Number	Alt Sample Matrix	Client	Date Sampled	HT Expires	2nd Level Due	Assigned To	PM	Sample Matrix	Status	Batch	Rush
12332	480-12326-2		Cyanide, Total and/or Amenable, 480-J12326-1	Ground Water		Waste Management Menomonee	11/02/11 09:50	11/16/11 23:59	11/21/2011		JS	Water	Ready	No	No
9012A_Prep												9012A			
12314	480-12314-1		Cyanide, Total and/or Amenable, 480-J12314-1	Leachate		Waste Management Menomonee	11/03/11 14:40	11/17/11 23:59	11/22/2011		JS	Water	Ready	No	No
9012A_Prep												9012A			
12326	480-12326-1		Cyanide, Total and/or Amenable, 480-J12326-1	Ground Water		Waste Management Wayne, MI	11/03/11 00:00	11/17/11 23:59	11/22/2011		JS	Water	Ready	No	No
9012A_Prep												9012A			
12326	480-12326-3		Cyanide, Total and/or Amenable, 480-J12326-1	Ground Water		Waste Management Wayne, MI	11/03/11 10:09	11/17/11 23:59	11/22/2011		JS	Water	Ready	No	No
9012A_Prep												9012A			
12326	480-12326-4		Cyanide, Total and/or Amenable, 480-J12326-1	Ground Water		Waste Management Wayne, MI	11/03/11 08:24	11/17/11 23:59	11/22/2011		JS	Water	Ready	No	No
9012A_Prep												9012A			
12326	480-12326-7		Cyanide, Total and/or Amenable, 480-J12326-1	Ground Water		Waste Management Wayne, MI	11/03/11 10:31	11/17/11 23:59	11/22/2011		JS	Water	Ready	No	No
9012A_Prep												9012A			
12326	480-12326-9		Cyanide, Total and/or Amenable, 480-J12326-1	Ground Water		Waste Management Wayne, MI	11/03/11 09:19	11/17/11 23:59	11/22/2011		JS	Water	Ready	No	No
9012A_Prep												9012A			
12326	480-12326-11		Cyanide, Total and/or Amenable, 480-J12326-1	Ground Water		Waste Management Wayne, MI	11/03/11 09:51	11/17/11 23:59	11/22/2011		JS	Water	Ready	No	No
9012A_Prep												9012A			
12326	480-12326-13		Cyanide, Total and/or Amenable, 480-J12326-1	Ground Water		Waste Management Wayne, MI	11/03/11 14:58	11/17/11 23:59	11/22/2011		JS	Water	Ready	No	No
9012A_Prep												9012A			
12326	480-12326-14		Cyanide, Total and/or Amenable, 480-J12326-1	Ground Water		Waste Management Wayne, MI	11/03/11 08:05	11/17/11 23:59	11/22/2011		JS	Water	Ready	No	No
9012A_Prep												9012A			
12373	480-12373-1		Distillation, Cyanide 480-J12373-1	Leachate		Waste Corporation of America Waste	11/03/11 15:06	11/17/11 23:59	11/16/2011		RV	Water	Ready	No	No
Distill_CN												335.4			
12373	480-12373-2		Distillation, Cyanide 480-J12373-1	Leachate		Waste Corporation of America Waste	11/03/11 15:30	11/17/11 23:59	11/16/2011		RV	Water	Ready	No	No
Distill_CN												335.4			
12393	480-12393-1		Cyanide, Total and/or Amenable, 480-J12393-1	Water		Rochester Gas & Electric Rochester,	11/03/11 18:03	11/17/11 23:59	11/22/2011		DG	Water	Ready	No	No
9012A_Prep												9012A			
12393	480-12393-2		Cyanide, Total and/or Amenable, 480-J12393-1	Water		Rochester Gas & Electric Rochester,	11/03/11 18:05	11/17/11 23:59	11/22/2011		DG	Water	Ready	No	No
9012A_Prep												9012A			
12393	480-12393-3		Cyanide, Total and/or Amenable, 480-J12393-1	Water		Rochester Gas & Electric Rochester,	11/03/11 18:05	11/17/11 23:59	11/22/2011		DG	Water	Ready	No	No
9012A_Prep												9012A			
12407	480-12407-1		Cyanide, Total and/or Amenable, 480-J12407-1	Solid		New York State Electric & Gas	11/03/11 14:15	11/17/11 23:59	11/16/2011		DG	Solid	Ready	No	No
9012A_Prep												9012A			
12376	480-12376-1		Distillation, Cyanide 480-J12376-1	Leachate		Waste Management Lennox MI	11/04/11 13:50	11/18/11 23:59	11/22/2011		JS	Water	Ready	No	No
Distill_CN												335.4			

WC Cyanide Digestion @ 11/11/2011 5:55:17 AM

Login Method	Lab Sample ID	SRF	Method Description	Job Number	Alt Sample Matrix	Date Sampled	HT Expires	2nd Level Due	PM	Sample Matrix	Status	Batch	Rush
12381 Distill_CN	480-12381-1		Distillation, Cyanide	480-J12381-1	Ground Water	11/04/11 15:20	11/18/11 23:59	11/22/2011	PG	Water	Ready	No	No
12381 Distill_CN	480-12381-2		Distillation, Cyanide	480-J12381-1	Ground Water	11/04/11 11:45	11/18/11 23:59	11/22/2011	PG	Water	Ready	No	No
12381 Distill_CN	480-12381-3		Distillation, Cyanide	480-J12381-1	Ground Water	11/04/11 12:48	11/18/11 23:59	11/22/2011	PG	Water	Ready	No	No
12381 Distill_CN	480-12381-4		Distillation, Cyanide	480-J12381-1	Ground Water	11/04/11 14:15	11/18/11 23:59	11/22/2011	PG	Water	Ready	No	No
12381 Distill_CN	480-12381-5		Distillation, Cyanide	480-J12381-1	Ground Water	11/04/11 13:55	11/18/11 23:59	11/22/2011	PG	Water	Ready	No	No
12381 Distill_CN	480-12381-6		Distillation, Cyanide	480-J12381-1	Ground Water	11/04/11 15:00	11/18/11 23:59	11/22/2011	PG	Water	Ready	No	No
12383 9012A_Prep	480-12383-1		Cyanide, Total and/or Amenable, 480-J12383-1 Leachate			11/04/11 13:20	11/18/11 23:59	11/22/2011	JS	Water	Ready	No	No
12384 Distill_CN	480-12384-1		Distillation, Cyanide	480-J12229-1	Ground Water	11/04/11 14:00	11/18/11 23:59	11/22/2011	JS	Water	Ready	No	No
12384 Distill_CN	480-12384-2		Distillation, Cyanide	480-J12229-1	Ground Water	11/04/11 14:50	11/18/11 23:59	11/22/2011	JS	Water	Ready	No	No
12384 Distill_CN	480-12384-3		Distillation, Cyanide	480-J12229-1	Ground Water	11/04/11 15:30	11/18/11 23:59	11/22/2011	JS	Water	Ready	No	No
12384 Distill_CN	480-12384-4		Distillation, Cyanide	480-J12229-1	Ground Water	11/04/11 14:45	11/18/11 23:59	11/22/2011	JS	Water	Ready	No	No
12384 Distill_CN	480-12384-5		Distillation, Cyanide	480-J12229-1	Ground Water	11/04/11 15:50	11/18/11 23:59	11/22/2011	JS	Water	Ready	No	No
12393 9012A_Prep	480-12393-4		Cyanide, Total and/or Amenable, 480-J12393-1 Water			11/04/11 12:10	11/18/11 23:59	11/22/2011	DG	Water	Ready	No	No
12393 9012A_Prep	480-12393-5		Cyanide, Total and/or Amenable, 480-J12393-1 Water			11/04/11 12:00	11/18/11 23:59	11/22/2011	DG	Water	Ready	No	No
12425 Distill_CN	480-12425-3		Distillation, Cyanide	480-J12425-1	Water	11/07/11 08:15	11/21/11 23:59	11/18/2011	JS	Water	Ready	No	No
12426 Distill_CN	480-12426-1		Distillation, Cyanide	480-J12426-1	Water	11/07/11 08:05	11/21/11 23:59	11/18/2011	JS	Water	Ready	No	No
12426 4500_CN_C	480-12426-1		Cyanide: Distillation 480-J12426-1 Water			11/07/11 08:05	11/21/11 23:59	11/18/2011	JS	Water	Ready	No	No

WC Cyanide Digestion @ 11/11/2011 5:55:17 AM

Login Method	Lab Sample ID	SRF	Method Description	Job Number	Alt Sample Matrix	Date Sampled	HT Expires	2nd Level Due	PM	Sample Matrix	Status	Batch	Rush
						Client		Assigned To	A-Method				
									MAC01				
12426	480-12426-3		Distillation, Cyanide	480-J12426-1	Water	11/07/11 08:15	11/21/11 23:59	11/18/2011	JS	Water	Ready	No	No
Distill_CN						Honeywell International Inc			335.4				
									MAC01				
12426	480-12426-3		Cyanide: Distillation	480-J12426-1	Water	11/07/11 08:15	11/21/11 23:59	11/18/2011	JS	Water	Ready	No	No
4500_CN_C						Honeywell International Inc			4500_CN_G				
									MAC01				
12427	480-12427-1		Distillation, Cyanide	480-J12427-1	Ground Water	11/07/11 13:40	11/21/11 23:59	11/29/2011	JS	Water	Ready	No	No
Distill_CN						Waste Management Wilmington IL			335.4				
12427	480-12427-2		Distillation, Cyanide	480-J12427-1	Ground Water	11/07/11 10:40	11/21/11 23:59	11/29/2011	JS	Water	Ready	No	No
Distill_CN						Waste Management Wilmington IL			335.4				
12427	480-12427-3		Distillation, Cyanide	480-J12427-1	Ground Water	11/07/11 11:40	11/21/11 23:59	11/29/2011	JS	Water	Ready	No	No
Distill_CN						Waste Management Wilmington IL			335.4				
12427	480-12427-4		Distillation, Cyanide	480-J12427-1	Ground Water	11/07/11 12:25	11/21/11 23:59	11/29/2011	JS	Water	Ready	No	No
Distill_CN						Waste Management Wilmington IL			335.4				
12427	480-12427-5		Distillation, Cyanide	480-J12427-1	Ground Water	11/07/11 10:55	11/21/11 23:59	11/29/2011	JS	Water	Ready	No	No
Distill_CN						Waste Management Wilmington IL			335.4				
12427	480-12427-6		Distillation, Cyanide	480-J12427-1	Ground Water	11/07/11 11:50	11/21/11 23:59	11/29/2011	JS	Water	Ready	No	No
Distill_CN						Waste Management Wilmington IL			335.4				
12427	480-12427-7		Distillation, Cyanide	480-J12427-1	Ground Water	11/07/11 12:45	11/21/11 23:59	11/29/2011	JS	Water	Ready	No	No
Distill_CN						Waste Management Wilmington IL			335.4				
12427	480-12427-8		Distillation, Cyanide	480-J12427-1	Ground Water	11/07/11 13:35	11/21/11 23:59	11/29/2011	JS	Water	Ready	No	No
Distill_CN						Waste Management Wilmington IL			335.4				
12427	480-12427-9		Distillation, Cyanide	480-J12427-1	Ground Water	11/07/11 14:30	11/21/11 23:59	11/29/2011	JS	Water	Ready	No	No
Distill_CN						Waste Management Wilmington IL			335.4				
12427	480-12427-10		Distillation, Cyanide	480-J12427-1	Ground Water	11/07/11 15:35	11/21/11 23:59	11/29/2011	JS	Water	Ready	No	No
Distill_CN						Waste Management Wilmington IL			335.4				
12427	480-12427-11		Distillation, Cyanide	480-J12427-1	Ground Water	11/07/11 11:50	11/21/11 23:59	11/29/2011	JS	Water	Ready	No	No
Distill_CN						Waste Management Wilmington IL			335.4				
12427	480-12427-12		Distillation, Cyanide	480-J12427-1	Ground Water	11/07/11 12:40	11/21/11 23:59	11/29/2011	JS	Water	Ready	No	No
Distill_CN						Waste Management Wilmington IL			335.4				
12427	480-12427-13		Distillation, Cyanide	480-J12427-1	Ground Water	11/07/11 13:25	11/21/11 23:59	11/29/2011	JS	Water	Ready	No	No
Distill_CN						Waste Management Wilmington IL			335.4				
12427	480-12427-14		Distillation, Cyanide	480-J12427-1	Ground Water	11/07/11 14:15	11/21/11 23:59	11/29/2011	JS	Water	Ready	No	No
Distill_CN						Waste Management Wilmington IL			335.4				

Status Report

5:55:17AM

11/11/2011

WC Cyanide Digestion @ 11/11/2011 5:55:17 AM

Method	Lab Sample ID	SRF	Job Number	Method Description	Alt Sample Matrix	Client	Date Sampled	HT Expires	2nd Level Due Assigned To	PM	Sample Matrix	Status	Batch	Rush
12427 Distill_CN	480-12427-15		Distillation, Cyanide 480-J12427-1	Ground Water		Waste Management Wilmington IL	11/07/11 15:10	11/21/11 23:59	11/29/2011	JS	Water 335.4	Ready	No JCOC	No
12427 Distill_CN	480-12427-16		Distillation, Cyanide 480-J12427-1	Ground Water		Waste Management Wilmington IL	11/07/11 16:10	11/21/11 23:59	11/29/2011	JS	Water 335.4	Ready	No	No
12427 Distill_CN	480-12427-17		Distillation, Cyanide 480-J12427-1	Ground Water		Waste Management Wilmington IL	11/07/11 17:00	11/21/11 23:59	11/29/2011	JS	Water 335.4	Ready	No	No
12427 Distill_CN	480-12427-18		Distillation, Cyanide 480-J12427-1	Ground Water		Waste Management Wilmington IL	11/07/11 15:45	11/21/11 23:59	11/29/2011	JS	Water 335.4	Ready	No	No
12427 Distill_CN	480-12427-19		Distillation, Cyanide 480-J12427-1	Ground Water		Waste Management Wilmington IL	11/07/11 16:50	11/21/11 23:59	11/29/2011	JS	Water 335.4	Ready	No	No
12427 Distill_CN	480-12427-20		Distillation, Cyanide 480-J12427-1	Ground Water		Waste Management Wilmington IL	11/07/11 14:40	11/21/11 23:59	11/29/2011	JS	Water 335.4	Ready	No	No
12427 Distill_CN	480-12427-21		Distillation, Cyanide 480-J12427-1	Ground Water		Waste Management Wilmington IL	11/07/11 16:25	11/21/11 23:59	11/29/2011	JS	Water 335.4	Ready	No	No
12427 Distill_CN	480-12427-22		Distillation, Cyanide 480-J12427-1	Ground Water		Waste Management Wilmington IL	11/07/11 11:00	11/21/11 23:59	11/29/2011	JS	Water 335.4	Ready	No	No
12434 9012A_Prep	480-12434-1		Cyanide, Total and/or Amenable, 480-J12434-1	Surface Water		Waste Management Norcross, GA	11/07/11 13:00	11/21/11 23:59	11/28/2011	PG	Water 9012A	Ready	No	No
12434 9012A_Prep	480-12434-2		Cyanide, Total and/or Amenable, 480-J12434-1	Surface Water		Waste Management Norcross, GA	11/07/11 14:20	11/21/11 23:59	11/28/2011	PG	Water 9012A	Ready	No	No
12434 9012A_Prep	480-12434-4		Cyanide, Total and/or Amenable, 480-J12434-1	Surface Water		Waste Management Norcross, GA	11/07/11 14:00	11/21/11 23:59	11/28/2011	PG	Water 9012A	Ready	No	No
12443 4500_CN_C	480-12443-1		Cyanide: Distillation 480-J12443-1	Ground Water		Waste Management Zeeland, MI	11/07/11 14:47	11/21/11 23:59	11/22/2011	JS	Water 4500_CN_E	Ready	No	No
12443 4500_CN_C	480-12443-2		Cyanide: Distillation 480-J12443-1	Ground Water		Waste Management Zeeland, MI	11/07/11 14:47	11/21/11 23:59	11/22/2011	JS	Water 4500_CN_G	Ready	No	No
12443 4500_CN_C	480-12443-3		Cyanide: Distillation 480-J12443-1	Ground Water		Waste Management Zeeland, MI	11/07/11 12:47	11/21/11 23:59	11/22/2011	JS	Water 4500_CN_E	Ready	No	No
12443 4500_CN_C	480-12443-3		Cyanide: Distillation 480-J12443-1	Ground Water		Waste Management Zeeland, MI	11/07/11 12:47	11/21/11 23:59	11/22/2011	JS	Water 4500_CN_G	Ready	No	No
12443 4500_CN_C	480-12443-3		Cyanide: Distillation 480-J12443-1	Ground Water		Waste Management Zeeland, MI	11/07/11 13:42	11/21/11 23:59	11/22/2011	JS	Water 4500_CN_E	Ready	No	No
12443 4500_CN_C	480-12443-3		Cyanide: Distillation 480-J12443-1	Ground Water		Waste Management Zeeland, MI	11/07/11 13:42	11/21/11 23:59	11/22/2011	JS	Water 4500_CN_G	Ready	No	No

WC Cyanide Digestion @ 11/11/2011 5:55:17AM

Login Method	Lab Sample ID	SRF	Method Description	Job Number	Alt Sample Matrix	Date Sampled	HT Expires	2nd Level Due	PM	Sample Matrix	Status	Batch	Rush
12443	480-12443-4		Cyanide: Distillation	480-J12443-1	Ground Water	11/07/11 00:00	11/21/11 23:59	11/22/2011	JS	Water	Ready	No	No
	4500_CN_C					Waste Management Zeeland, MI				4500_CN_E			
12443	480-12443-4		Cyanide: Distillation	480-J12443-1	Ground Water	11/07/11 00:00	11/21/11 23:59	11/22/2011	JS	Water	Ready	No	No
	4500_CN_C					Waste Management Zeeland, MI				4500_CN_G			
12448	480-12448-1		Distillation, Cyanide	480-J12447-1	Leachate	11/07/11 10:30	11/21/11 23:59	11/28/2011	PG	Water	Ready	No	No
	Distill_CN					Waste Management Burnsville, MN				335.4			
12450	480-12450-1		Distillation, Cyanide	480-J12450-1	Leachate	11/07/11 11:00	11/21/11 23:59	11/28/2011	PG	Water	Ready	No	No
	Distill_CN					Waste Management Burnsville, MN				335.4			
12482	480-12482-1		Cyanide: Distillation	480-J12482-1	Water	11/07/11 16:00	11/21/11 23:59	11/21/2011	BF	Water	Ready	No	No
	4500_CN_C					Brown and Caldwell Allendale, NJ				4500_CN_E			
	SDG open												
12474	480-12474-1		Cyanide, Total and/or Amenable,	480-J12474-1	Leachate	11/08/11 12:30	11/22/11 23:59	11/29/2011	JS	Water	Ready	No	No
	9012A_Prep					Waste Management Wilmington IL				9012A			
12475	480-12475-1		Distillation, Cyanide	480-J12427-1	Ground Water	11/08/11 11:45	11/22/11 23:59	11/29/2011	JS	Water	Ready	No	No
	Distill_CN					Waste Management Wilmington IL				335.4			
12475	480-12475-2		Distillation, Cyanide	480-J12427-1	Ground Water	11/08/11 10:10	11/22/11 23:59	11/29/2011	JS	Water	Ready	No	No
	Distill_CN					Waste Management Wilmington IL				335.4			
12475	480-12475-3		Distillation, Cyanide	480-J12427-1	Ground Water	11/08/11 10:25	11/22/11 23:59	11/29/2011	JS	Water	Ready	No	No
	Distill_CN					Waste Management Wilmington IL				335.4			
12475	480-12475-4		Distillation, Cyanide	480-J12427-1	Ground Water	11/08/11 11:30	11/22/11 23:59	11/29/2011	JS	Water	Ready	No	No
	Distill_CN					Waste Management Wilmington IL				335.4			
12475	480-12475-5		Distillation, Cyanide	480-J12427-1	Ground Water	11/08/11 11:05	11/22/11 23:59	11/29/2011	JS	Water	Ready	No	No
	Distill_CN					Waste Management Wilmington IL				335.4			
12475	480-12475-6		Distillation, Cyanide	480-J12427-1	Ground Water	11/08/11 11:50	11/22/11 23:59	11/29/2011	JS	Water	Ready	No	No
	Distill_CN					Waste Management Wilmington IL				335.4			
12475	480-12475-7		Distillation, Cyanide	480-J12427-1	Ground Water	11/08/11 09:40	11/22/11 23:59	11/29/2011	JS	Water	Ready	No	No
	Distill_CN					Waste Management Wilmington IL				335.4			
12475	480-12475-8		Distillation, Cyanide	480-J12427-1	Ground Water	11/08/11 10:50	11/22/11 23:59	11/29/2011	JS	Water	Ready	No	No
	Distill_CN					Waste Management Wilmington IL				335.4			

Historical Data Summary Report

For Batch 40455

Lab Sample ID	Client Sample	Method	Analyte	Prep Type	Unit	Data				Result	Fail	
						Points	Dilution	3-Sigma Limits	Cient Limits			
480-12232-H-2-A	T112	9012A	Total Cyanide	Total/NA	mg/L	8	1.0	0-0	0-0	ND	☐	☐
480-12314-S-1-A	L313	9012A	Cyanide	Total/NA	mg/L	8	1.0	0-0.065	0-0.056	ND	☐	☐
480-12381-D-3-A	MW05	335.4	Cyanide, Total	Total/NA	mg/L	2	1.0	0-0	0-0	ND	☐	☐
480-12381-D-4-A	MW06D	335.4	Cyanide, Total	Total/NA	mg/L	2	1.0	0-0	0-0	ND	☐	☐
480-12381-D-5-A	MW06S	335.4	Cyanide, Total	Total/NA	mg/L	2	1.0	0-0	0-0	ND	☐	☐
480-12381-D-6-A	MW07	335.4	Cyanide, Total	Total/NA	mg/L	2	1.0	0-0	0-0	ND	☐	☐
480-12383-J-1-A	L304	9012A	Total Cyanide	Total/NA	mg/L	2	1.0	0-0	0-0	ND	☐	☐
480-12384-G-1-A	G01D	335.4	Total Cyanide	Total/NA	mg/L	8	1.0	0-0	0-0	ND	☐	☐
480-12384-G-2-A	G02D	335.4	Total Cyanide	Total/NA	mg/L	8	1.0	0-0	0-0	ND	☐	☐
480-12384-G-3-A	G17D	335.4	Total Cyanide	Total/NA	mg/L	8	1.0	0-0	0-0	ND	☐	☐
480-12384-G-4-A	G18D	335.4	Total Cyanide	Total/NA	mg/L	8	1.0	0-0	0-0	ND	☐	☐
480-12384-G-5-A	G27D	335.4	Total Cyanide	Total/NA	mg/L	8	1.0	0-0	0-0	ND	☐	☐
480-12425-A-3-A	602G-W-111107	335.4	Cyanide, Total	Total/NA	mg/L	8	1.0	0-0.012	0-0.011	0.0086	☐	☐
480-12427-J-10-A	G1L0	335.4	Total Cyanide	Total/NA	mg/L	8	1.0	0-0	0-0	ND	☐	☐
480-12427-J-11-A	G1L1	335.4	Total Cyanide	Total/NA	mg/L	8	1.0	0-0	0-0	ND	☐	☐
480-12427-J-12-A	G1L2	335.4	Total Cyanide	Total/NA	mg/L	8	1.0	0-0	0-0	ND	☐	☐
480-12427-J-1-A	G1E2	335.4	Total Cyanide	Total/NA	mg/L	8	1.0	0-0	0-0	ND	☐	☐
480-12427-J-2-A	G1K1	335.4	Total Cyanide	Total/NA	mg/L	8	1.0	0-0	0-0	ND	☐	☐
480-12427-J-3-A	G1K2	335.4	Total Cyanide	Total/NA	mg/L	5	1.0	0-0	0-0	ND	☐	☐
480-12427-J-4-A	G1K3	335.4	Total Cyanide	Total/NA	mg/L	8	1.0	0-0	0-0	ND	☐	☐
480-12427-J-5-A	G1K5	335.4	Total Cyanide	Total/NA	mg/L	5	1.0	0-0	0-0	ND	☐	☐
480-12427-J-6-A	G1K6	335.4	Total Cyanide	Total/NA	mg/L	5	1.0	0-0	0-0	ND	☐	☐
480-12427-J-7-A	G1K7	335.4	Total Cyanide	Total/NA	mg/L	8	1.0	0-0	0-0	ND	☐	☐
480-12427-J-8-A	G1K8	335.4	Total Cyanide	Total/NA	mg/L	8	1.0	0-0	0-0	ND	☐	☐
480-12427-J-9-A	G1K9	335.4	Total Cyanide	Total/NA	mg/L	8	1.0	0-0	0-0	ND	☐	☐

Historical Data Summary Report

For Batch 40469

Lab Sample ID	Client Sample	Method	Analyte	Data				Result	Fail 3-Sigma Limits	Fail Client Limits
				Prep Type	Unit	Points	Dilution			
480-12426-A-1-A	001G-BW-111107	4500_CN_G	Cyanide, Non-amenable	Total/NA	mg/L	5	1.0	0.0087	☒ 0 - 0.007	☒ 0 - 0.006
480-12426-A-3-A	602G-BW-111107	4500_CN_G	Cyanide, Non-amenable	Total/NA	mg/L	5	1.0	0.012	☒ 0 - 0	☒ 0 - 0

ok confirmed.

SEE TO
SHEET:
11/15/11

40927

Solutions:
Cyanide 335.4/9012/335.1/4500

Potassium Phosphate Buffer	480107	Exp. 22 November 2011
Pyridine Barbituric Acid	480170	Exp. 22 November 2011
Chloramine-T	480106	Exp. 22 November 2011

LCS =0.4mg/L, 0.25mg/L
CCV =0.25mg/L
MS/SD =0.1mg/L

ERA D064-541

Actual =31.5mg/Kg
Range =10.8- 45.4mg/Kg

ERA D067-541

Actual =44.0mg/Kg
Range =12.8- 53.8mg/Kg

50ppm INT STD =475166

Original Run Filename: OM_11-17-2011_12-11-33PM.OMN Created: 11/17/2011 12:11:33 PM
 Original Run Author's Signature: [BufLachat]
 Current Run Filename: OM_11-17-2011_12-11-33PM.OMN Last Modified: 11/17/2011 2:01:24 PM
 Current Run Author's Signature: [BufLachat]
 Description: Default New Run

Sample	Rep.	Cup No.	Channel 1			Detection Time	Description
			Cyanide Conc. (mg/L)	Area (V.s)	Height (V)		
CCV	1	S10	0.247	9.16	0.671	11/17/2011@12:12:26 PM	
		Known Conc:	100				
CCB	1	S11	-5.38e-4	0.0338	2.16e-3	11/17/2011@12:13:19 PM	
		Known Conc:	100				
mb 480-40786/1-a	1	61	-2.05e-3	-0.0221	1.84e-3	11/17/2011@12:14:13 PM	
lcs 480-40786/2-a	1	62	0.253	9.37	0.693	11/17/2011@12:15:06 PM	
480-12426-a-1-c	1	63	6.48e-3	0.292	0.0213	11/17/2011@12:16:02 PM	
480-12426-a-3-c	1	64	4.02e-3	0.202	0.0139	11/17/2011@12:16:56 PM	
480-12326-d-1-b	1	65	-4.03e-4	0.0388	2.03e-3	11/17/2011@12:17:50 PM	
480-12326-d-3-b	1	66	-6.62e-4	0.0292	2.26e-3	11/17/2011@12:18:45 PM	
480-12326-d-4-b	1	67	-1.06e-3	0.0146	1.96e-3	11/17/2011@12:19:39 PM	
480-12326-d-7-b	1	68	-1.20e-3	9.45e-3	2.02e-3	11/17/2011@12:20:33 PM	
480-12326-d-9-b	1	69	-2.88e-4	0.0430	2.05e-3	11/17/2011@12:21:28 PM	
480-12326-d-11-b	1	70	-1.30e-3	5.55e-3	1.65e-3	11/17/2011@12:22:22 PM	
CCV	1	S10	0.247	9.14	0.667	11/17/2011@12:23:15 PM	
		Known Conc:	100				
CCB	1	S11	-1.04e-3	0.0153	1.65e-3	11/17/2011@12:24:09 PM	
		Known Conc:	100				
480-12326-d-13-b	1	71	-6.31e-4	0.0303	2.70e-3	11/17/2011@12:25:04 PM	
480-12326-d-14-b	1	72	-1.20e-3	9.28e-3	1.29e-3	11/17/2011@12:25:57 PM	
480-12326-d-14-c du	1	73	-9.91e-5	0.0499	2.97e-3	11/17/2011@12:26:51 PM	
480-12373-f-1-b	1	74	1.40e-3	0.105	8.50e-3	11/17/2011@12:27:46 PM	
480-12373-f-2-b	1	75	3.18e-3	0.171	0.0119	11/17/2011@12:28:39 PM	
480-12393-c-1-b	1	76	0.723	26.7	1.97	11/17/2011@12:29:35 PM	
480-12393-c-1-c ms	1	77	0.787	29.0	2.15	11/17/2011@12:30:29 PM	
480-12393-c-2-b	1	78	1.22	45.1	3.31	11/17/2011@12:31:24 PM	
480-12393-c-3-b	1	79	0.862	31.8	2.33	11/17/2011@12:32:18 PM	
480-12376-l-1-b	1	80	8.05e-3	0.350	0.0261	11/17/2011@12:33:13 PM	
CCV	1	S10	0.240	8.90	0.650	11/17/2011@12:34:06 PM	
		Known Conc:	100				
CCB	1	S11	-8.53e-4	0.0222	2.66e-3	11/17/2011@12:35:00 PM	
		Known Conc:	100				
mb 480-40787/1-a	1	81	-1.57e-3	-4.26e-3	1.64e-3	11/17/2011@12:35:55 PM	
lcs 480-40787/2-a	1	82	0.235	8.72	0.644	11/17/2011@12:36:49 PM	
480-12381-d-1-c	1	83	8.35e-4	0.0843	6.20e-3	11/17/2011@12:37:43 PM	
480-12381-d-2-c	1	84	-1.34e-3	4.37e-3	1.62e-3	11/17/2011@12:38:38 PM	
480-12482-e-1-b	1	85	-8.41e-4	0.0226	1.47e-3	11/17/2011@12:39:32 PM	
480-12553-c-6-a	1	86	-1.17e-3	0.0106	1.81e-3	11/17/2011@12:40:26 PM	
480-12556-u-1-a	1	87	6.28e-3	0.285	0.0212	11/17/2011@12:41:20 PM	
480-12434-c-2-b	1	88	0.197	7.29	0.544	11/17/2011@12:42:14 PM	
480-12443-c-4-c	1	89	1.91e-3	0.124	8.93e-3	11/17/2011@12:43:08 PM	
480-12490-f-1-a	1	90	3.58e-3	0.185	0.0125	11/17/2011@12:44:02 PM	
CCV	1	S10	0.243	9.00	0.660	11/17/2011@12:44:56 PM	
		Known Conc:	100				
CCB	1	S11	-7.78e-4	0.0249	2.87e-3	11/17/2011@12:45:50 PM	
		Known Conc:	100				
480-12490-f-2-a	1	91	0.0174	0.694	0.0501	11/17/2011@12:46:46 PM	
480-12490-f-3-b	1	92	0.156	5.78	0.428	11/17/2011@12:47:41 PM	
480-12490-f-4-b	1	93	0.138	5.15	0.380	11/17/2011@12:48:36 PM	
480-12490-f-4-c ms	1	94	0.229	8.50	0.626	11/17/2011@12:49:31 PM	
480-12490-f-5-b	1	95	-1.71e-4	0.0473	2.99e-3	11/17/2011@12:50:25 PM	
480-12490-f-5-c du	1	96	-9.14e-4	0.0199	2.16e-3	11/17/2011@12:51:19 PM	
480-12490-f-6-b	1	97	-1.13e-5	0.0532	3.02e-3	11/17/2011@12:52:14 PM	
480-12490-f-7-b	1	98	1.75e-3	0.118	9.59e-3	11/17/2011@12:53:07 PM	
480-12490-f-8-a	1	99	0.0260	1.01	0.0752	11/17/2011@12:54:02 PM	
480-12475-f-1-c	1	100	-5.93e-4	0.0317	1.76e-3	11/17/2011@12:54:56 PM	
CCV	1	S10	0.244	9.04	0.661	11/17/2011@12:55:49 PM	
		Known Conc:	100				

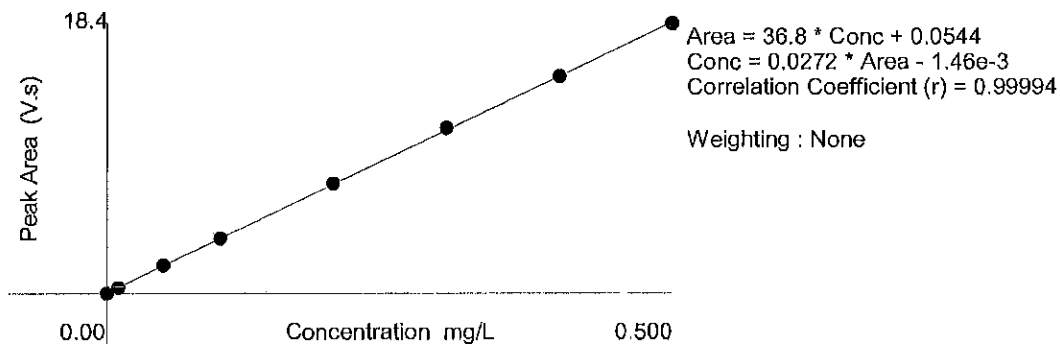
CCB	1	S11	-1.11e-3	0.0129	2.34e-3	11/17/2011@12:56:43 PM
Known Conc:			100			
mb 480-40790/1-a	1	101	-1.33e-3	4.59e-3	-1.11e-3	11/17/2011@12:57:36 PM
lcs 480-40790/2-a	1	102	0.184	6.83	0.504	11/17/2011@12:58:30 PM
480-12475-f-2-c	1	103	-2.17e-4	0.0456	3.58e-3	11/17/2011@12:59:23 PM
480-12475-f-3-d	1	104	7.51e-4	0.0812	5.37e-3	11/17/2011@1:00:16 PM
480-12475-f-4-d	1	105	-7.00e-4	0.0278	3.33e-3	11/17/2011@1:01:09 PM
480-12475-f-5-d	1	106	-1.01e-4	0.0498	3.22e-3	11/17/2011@1:02:04 PM
480-12475-f-6-c	1	107	-1.73e-3	-0.0101	2.07e-3	11/17/2011@1:02:59 PM
CCV	1	S10	0.246	9.11	0.668	11/17/2011@1:03:52 PM
Known Conc:			100			
CCB	1	S11	-2.84e-3	-0.0511	-4.62e-3	11/17/2011@1:04:47 PM
Known Conc:			100			
mb 480-40886/1-a	1	121	0.580	21.4	7.49	11/17/2011@1:05:44 PM
lcs 480-40886/2-a	1	122	0.372	13.8	1.07	11/17/2011@1:06:39 PM
480-12507-b-1-a	1	123	6.86e-4	0.0788	5.54e-3	11/17/2011@1:07:34 PM
Calibration: Table/Fig. : 1						
480-12507-c-2-a	1	124	-6.25e-4	0.0306	2.33e-3	11/17/2011@1:08:29 PM
480-12507-c-3-a	1	125	-7.97e-4	0.0242	2.43e-3	11/17/2011@1:09:24 PM
480-12507-c-4-a	1	126	-2.00e-4	0.0462	3.31e-3	11/17/2011@1:10:19 PM
480-12507-c-5-a	1	127	-9.26e-4	0.0195	2.27e-3	11/17/2011@1:11:14 PM
480-12558-e-7-a	1	128	-1.37e-3	3.30e-3	4.53e-3	11/17/2011@1:12:09 PM
480-12558-e-8-a	1	129	-1.38e-3	2.69e-3	1.73e-3	11/17/2011@1:13:03 PM
480-12558-e-8-b du	1	130	-1.23e-3	8.16e-3	9.95e-4	11/17/2011@1:13:58 PM
CCV	1	S10	0.241	8.92	0.654	11/17/2011@1:14:51 PM
Known Conc:			100			
CCB	1	S11	-9.33e-4	0.0192	2.26e-3	11/17/2011@1:15:44 PM
Known Conc:			100			
480-12558-e-9-a	1	131	-9.15e-5	0.0502	3.06e-3	11/17/2011@1:16:38 PM
480-12558-e-9-b ms	1	132	0.0823	3.09	0.228	11/17/2011@1:17:34 PM
480-12558-e-10-a	1	133	-6.36e-4	0.0301	3.05e-3	11/17/2011@1:18:27 PM
480-12558-e-11-a	1	134	-7.85e-4	0.0247	2.25e-3	11/17/2011@1:19:21 PM
480-12558-e-12-a	1	135	4.66e-5	0.0553	3.87e-3	11/17/2011@1:20:17 PM
480-12558-e-13-a	1	136	-5.83e-4	0.0321	2.32e-3	11/17/2011@1:21:13 PM
480-12558-e-14-a	1	137	-4.74e-4	0.0361	1.82e-3	11/17/2011@1:22:08 PM
480-12558-e-15-a	1	138	-9.90e-4	0.0171	3.13e-3	11/17/2011@1:23:03 PM
480-12558-e-16-a	1	139	-1.13e-3	0.0121	2.05e-3	11/17/2011@1:23:59 PM
480-12558-e-17-a	1	140	-1.06e-4	0.0497	3.55e-3	11/17/2011@1:24:54 PM
CCV	1	S10	0.248	9.19	0.676	11/17/2011@1:25:47 PM
Known Conc:			100			
CCB	1	S11	-2.43e-3	-0.0359	-1.45e-3	11/17/2011@1:26:42 PM
Known Conc:			100			
mb 480-40890/1-a	1	141	-1.52e-4	0.0480	2.15e-3	11/17/2011@1:27:38 PM
lcs 480-40890/2-a	1	142	0.225	8.36	0.616	11/17/2011@1:28:32 PM
480-12700-d-1-a	1	143	5.07e-5	0.0554	4.07e-3	11/17/2011@1:29:27 PM
360-37564-b-1-a	1	144	0.0454	1.73	0.127	11/17/2011@1:30:21 PM
360-37564-b-2-a	1	145	0.0318	1.23	0.0895	11/17/2011@1:31:16 PM
480-12558-e-18-a	1	146	-5.29e-4	0.0341	2.86e-3	11/17/2011@1:32:10 PM
480-12558-e-18-b du	1	147	-1.60e-3	-5.48e-3	-1.58e-3	11/17/2011@1:33:05 PM
480-12558-e-19-a	1	148	-9.72e-4	0.0178	2.00e-3	11/17/2011@1:33:59 PM
480-12558-e-19-b ms	1	149	0.0906	3.39	0.251	11/17/2011@1:34:53 PM
480-12558-e-21-a	1	150	-6.31e-4	0.0303	2.23e-3	11/17/2011@1:35:48 PM
CCV	1	S10	0.240	8.90	0.650	11/17/2011@1:36:40 PM
Known Conc:			100			
CCB	1	S11	-7.79e-4	0.0249	1.75e-3	11/17/2011@1:37:36 PM
Known Conc:			100			
480-12562-f-1-a	1	151	-5.25e-4	0.0342	2.28e-3	11/17/2011@1:38:33 PM
480-12562-f-2-a	1	152	-1.14e-3	0.0117	1.72e-3	11/17/2011@1:39:28 PM
480-12562-f-2-b ms	1	153	0.0988	3.69	0.274	11/17/2011@1:40:23 PM
480-12562-f-2-c msd	1	154	0.105	3.93	0.289	11/17/2011@1:41:18 PM
480-12562-f-3-a	1	155	-1.51e-4	0.0480	4.16e-3	11/17/2011@1:42:14 PM
480-12562-f-4-a	1	156	-1.89e-4	0.0466	2.52e-3	11/17/2011@1:43:09 PM
480-12562-f-5-a	1	157	-2.23e-4	0.0454	4.21e-3	11/17/2011@1:44:04 PM
mb 480-40891/1-a	1	158	-7.00e-4	0.0278	1.70e-3	11/17/2011@1:44:59 PM
lcs 480-40891/2-a	1	159	0.174	6.47	0.479	11/17/2011@1:45:53 PM
480-12407-d-1-c	1	160	1.17e-4	0.0579	4.06e-3	11/17/2011@1:46:48 PM
CCV	1	S10	0.246	9.11	0.669	11/17/2011@1:47:41 PM
Known Conc:			100			

CCB	1	S11	-1.20e-3	9.34e-3	1.84e-3	11/17/2011@1:48:35 PM
Known Conc:			100			
480-12597-d-2-a	1	161	7.80e-4	0.0823	5.55e-3	11/17/2011@1:49:30 PM
480-12393-c-1-b^2	1	162	0.347	12.8	0.941	11/17/2011@1:50:24 PM
480-12393-c-1-c ms^2	1	163	0.390	14.4	1.06	11/17/2011@1:51:18 PM
480-12393-c-2-b^10	1	164	0.119	4.43	0.325	11/17/2011@1:52:13 PM
480-12393-c-3-b^10	1	165	0.0857	3.21	0.236	11/17/2011@1:53:07 PM
Sample186	1	166	0.546	20.1	4.60	11/17/2011@1:54:03 PM
Sample187	1	167	0.395	14.6	6.51	11/17/2011@1:54:59 PM
Sample188	1	168	0.153	5.68	2.79	11/17/2011@1:55:55 PM
Sample189	1	169	0.369	13.6	4.89	11/17/2011@1:56:50 PM
Sample190	1	170	0.271	10.0	4.36	11/17/2011@1:57:45 PM
480-12490-f-6-b	1	S10	0.205	7.61	0.855	11/17/2011@1:58:38 PM
Known Conc:			100			
480-12490-f-7-b	1	S11	-7.85e-4	0.0247	2.35e-3	11/17/2011@1:59:32 PM
Known Conc:			100			

Table : 1 (Cyanide)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	0.500	1	18.4	1.28	0.0	0.5	0.497	9/30/2011	10:23:41 AM
2	0.400	1	14.8	1.04	0.0	0.1	0.400	9/30/2011	10:24:33 AM
3	0.300	1	11.2	0.789	0.0	-1.3	0.304	9/30/2011	10:25:26 AM
4	0.200	1	7.47	0.526	0.0	-0.7	0.201	9/30/2011	10:26:19 AM
5	0.100	1	3.74	0.261	0.0	0.0	0.100	9/30/2011	10:27:13 AM
6	0.0500	1	1.90	0.131	0.0	-0.3	0.0502	9/30/2011	10:28:07 AM
7	0.0100	1	0.386	0.0267	0.0	8.5	9.04e-3	9/30/2011	10:29:03 AM
8	0.00	1	-2.88e-3	1.04e-3			-1.53e-3	9/30/2011	10:29:58 AM

Figure : 1 (Cyanide)



TestAmerica BUFFALO
Cyanide Distillation Logbook

Logbook# A11-02-12

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Volume (ml)	Soil Weight (g)	Spike Amount	If Spiked Please ☒	Comments
11-16-11	PSN	12553	B-1	16	50				
			B-2	17					
			C-3	18					
			C-4	19					
			C-5	20					
		MB	BLANK	21			250.00	☒	
		665	Q 257ppm	22					
		12426	A-1	23					
			A-3	24					
		12326	D-1	25					
			D-3	26					
			D-7	27					
			D-7	28					
			D-9	29					
			D-11	30					

Start Time _____ End Time _____ H₂S _____ Cl₂ _____ ERA Water Lot# _____

Magnesium Chloride: _____ Cyanide Total Standard: _____ ERA Soil Lot# _____ Cyanide Free Standard: _____

Sulfamic Acid: _____ Cyanide Intermediate Standard _____ 0.25N NaOH: _____

Acetate Buffer: _____ Zinc Acetate: _____

Block Temp Check:

Block# _____ Measured Temp °C _____ Corrected Temp °C (After Correction factor has been applied) _____ Cell# _____

Block# _____ Measured Temp °C _____ Corrected Temp °C (After Correction factor has been applied) _____ Cell# _____

Reviewed By _____ Date _____

Other _____

12/19/2011
Rev. 1
12/15/2009

200/200

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Volume (ml)	Soil Weight (g)	Spike Amount	If Spiked Please 	Comments
11-16-11	PSN	12553	C-6	48					
		12556	U-1	47					
		12434	C-2	48					
		12443	C-4	49					
		12490	F-1	50					
			F-2	51					
			F-3	52					
			F-4	53					
			F-4 MS	54					
			F-5	55					
			F-5 DU	56					
			F-6	57					
			F-7	58					
			F-8	59					
		12475	F-1	60					

Start Time

End Time

H₂SCl₂

ERA Water Lot#

Magnesium Chloride:

Cyanide Total Standard:

ERA Soil Lot#

Sulfuric 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 _____

Rev. 1

12/15/2009

199/200

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Volume (mL)	Soil Weight (g)	Spike Amount	If Spiked Please 	Comments
11-16-11	PSN	12326	D-13	31	50				
			D-14	32					
			D-14D0	33					
		12373	F-1	34					
			F-2	35					
		12393	G-1	36					
			G-1MS	37					
			G-2	38					
			G-3	39					
		12376	L-1	40					
		MB	BLANK	41			250mL		
		LCS	@-250ppm	42					
		12381	D-1	43					
			D-2	44					
		12482	E-1	45					

Start Time: _____ End Time: _____ H₂S: _____ Cl₂: _____ ERA Soil Lot#: _____ ERA Water Lot#: _____

Magnesium Chloride: _____ Cyanide Total Standard: _____ Cyanide Free Standard: _____
 Sulfuric Acid: _____ Cyanide Intermediate Standard: _____ 0.25N NaOH: _____

Acetate Buffer: _____ Zinc Acetate: _____
 Block Temp Check: _____
 Block # _____ Measured Temp °C _____ Corrected Temp °C (After Correction factor has been applied) _____ Cell# _____
 Block # _____ Measured Temp °C _____ Corrected Temp °C (After Correction factor has been applied) _____ Cell# _____
 Reviewed By: _____ Date: _____

TestAmerica BUFFALO

Cyanide Distillation Logbook

Logbook# A11-02-12

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Volume (ml)	Soil Weight (g)	Spike Amount	If Spiked Please	Comments
11-16-11	PSN	MB	BLANK	61				☒	
		LCS	Q-257pm	62			2.50mL	☒	
		12475	F-2	63					
			F-3	64					
			F-4	65					
			F-5	66					
			F-6	67					
			F-7	68					
			F-8	69					
		12448	M-1	70					
		12474	S-1	71					
		12450	N-1	72					
		12558	E-1	73					
			E-1 DU	74					
			E-2	75					

Start Time _____ End Time _____ H₂S _____ Cl₂ _____ 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:

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# _____

Revised By: _____ Date: _____

Cyanide Distillation Logbook

Logbook# A11-02-12

[illegible]

Start Time

End Time

SII

5

EPA Water Lot#

Magnesium Chloride:

Cyanide Total Standard:

ERA Soil Lot#

Sulfamic Acid:

Cyanide Intermediate Standard

0.25N NaOH:

Cyanide Free Standard:

Acetate Buffer:

Zinc Acetate:

Block Temp Check:

Block#	Measured Temp °C
1	25.0
2	25.0
3	25.0
4	25.0
5	25.0
6	25.0
7	25.0
8	25.0
9	25.0
10	25.0
11	25.0
12	25.0
13	25.0
14	25.0
15	25.0
16	25.0
17	25.0
18	25.0
19	25.0
20	25.0
21	25.0
22	25.0
23	25.0
24	25.0
25	25.0
26	25.0
27	25.0
28	25.0
29	25.0
30	25.0
31	25.0
32	25.0
33	25.0
34	25.0
35	25.0
36	25.0
37	25.0
38	25.0
39	25.0
40	25.0
41	25.0
42	25.0
43	25.0
44	25.0
45	25.0
46	25.0
47	25.0
48	25.0
49	25.0
50	25.0
51	25.0
52	25.0
53	25.0
54	25.0
55	25.0
56	25.0
57	25.0
58	25.0
59	25.0
60	25.0
61	25.0
62	25.0
63	25.0
64	25.0
65	25.0
66	25.0
67	25.0
68	25.0
69	25.0
70	25.0
71	25.0
72	25.0
73	25.0
74	25.0
75	25.0
76	25.0
77	25.0
78	25.0
79	25.0
80	25.0
81	25.0
82	25.0
83	25.0
84	25.0
85	25.0
86	25.0
87	25.0
88	25.0
89	25.0
90	25.0
91	25.0
92	25.0
93	25.0
94	25.0
95	25.0
96	25.0
97	25.0
98	25.0
99	25.0
100	25.0

Corrected Temp °C (After Correction factor has been applied)

Cell 14

Block#	Measured Temp °C
1	25.0
2	25.0
3	25.0
4	25.0
5	25.0
6	25.0
7	25.0
8	25.0
9	25.0
10	25.0
11	25.0
12	25.0
13	25.0
14	25.0
15	25.0
16	25.0
17	25.0
18	25.0
19	25.0
20	25.0
21	25.0
22	25.0
23	25.0
24	25.0
25	25.0
26	25.0
27	25.0
28	25.0
29	25.0
30	25.0
31	25.0
32	25.0
33	25.0
34	25.0
35	25.0
36	25.0
37	25.0
38	25.0
39	25.0
40	25.0
41	25.0
42	25.0
43	25.0
44	25.0
45	25.0
46	25.0
47	25.0
48	25.0
49	25.0
50	25.0
51	25.0
52	25.0
53	25.0
54	25.0
55	25.0
56	25.0
57	25.0
58	25.0
59	25.0
60	25.0
61	25.0
62	25.0
63	25.0
64	25.0
65	25.0
66	25.0
67	25.0
68	25.0
69	25.0
70	25.0
71	25.0
72	25.0
73	25.0
74	25.0
75	25.0
76	25.0
77	25.0
78	25.0
79	25.0
80	25.0
81	25.0
82	25.0
83	25.0
84	25.0
85	25.0
86	25.0
87	25.0
88	25.0
89	25.0
90	25.0
91	25.0
92	25.0
93	25.0
94	25.0
95	25.0
96	25.0
97	25.0
98	25.0
99	25.0
100	25.0

Corrected Temp °C (After Correction factor has been applied)

Cell#

12) Further:

Reviewed By

Date _____

TestAmerica BUFFALO

Cyanide Distillation Logbook

Logbook# A11-02-12

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Volume (ml)	Soil Weight (g)	Spike Amount	If Spiked Please	Comments
11-17-11	PSN	MB	BLANK	1	50			☒	
		LCS	0.4 ppm	2			400 mL	☒	
		12507	B-1	3					
			C-2	4					
			C-3	5					
			C-4	6					
			C-5	7					
		12558	E-7	8					
			E-8	9					
			E-8DU	10					
			E-9	11					
			E-9 MS	12			160 mL	☒	
			E-10	13					
			E-11	14					
			E-12	15					

Start Time 6:15 End Time H_2S ☒ Cl_2 ☒ ERA Soil Lot# ERA Water Lot#

Magnesium Chloride: Cyanide Total Standard: Cyanide Intermediate Standard 466963 0.25N NaOH: Cyanide Free Standard:

Sulfamic Acid: 482351

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#

Reviewed By Date

TestAmerica BUFFALO

Cyanide Distillation Logbook

Logbook# A11-02-12

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Volume (ml)	Soil Weight (g)	Spike Amount	If Spiked Please	Comments
11-17-11	PSN	12558	E-13	16	50			☒	
			E-14	17					
			E-15	18					
			E-16	19					
			E-17	20					
		MB	BLANK	21					
		LCS	Q-25 ppm	22					
		LCS	15 SOIL	23		1.5039g	2.50mL	☒	
		12407	D-1	24		1.5009g			
		12597	D-2	25		1.5009g			
		12700	D-1	26					
		360-37564	B-1	27					
			B-2	28					
		12558	E-18	29					
			E-18	30					

Start Time _____ End Time _____ H₂S _____ Cl₂ _____ ERA Water Lot# _____
 Magnesium Chloride: _____ Cyanide Total Standard: _____ ERA Soil Lot# 39269
 Sulphuric 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# _____
 Reviewed By _____ Date _____

TestAmerica BUFFALO

Cyanide Distillation Logbook

Logbook# A11-02-12

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Volume (ml)	Soil Weight (g)	Spike Amount	If Spiked Please	Comments
11-17-11	PSN	12558	E-19	31	50			☒	
			E-19MS	32			100mL	☒	
			E-21	33					
		12562	F-1	34					
			F-2	35					
			F-2MS	36			100mL	☒	
			F-2MSD	37			100mL	☒	
			F-3	38					
			F-4	39					
			F-5	40					
		~~12563~~	~~F-1~~ BANK	41					
		LCS	~~F-2~~ (P-25) ^{PM 11-11-11}	42			400mL 250mL	☒	
		12563	~~F-2~~ ^{PM 11-11-11}	43					
			~~F-2MSD~~	44					
			F-2MS	45			100mL	☒	

Start Time _____ End Time _____ H₂S _____ Cl₂ _____ ERA Water Lot# _____
 Magnesium Chloride _____ Cyanide Total Standard: _____ ERA Soil Lot# _____
 Sulfamic Acid _____ Cyanide Intermediate Standard 66963 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# _____
 Operator: _____ Reviewed By _____ Date _____

TestAmerica BUFFALO

Cyanide Distillation Logbook

Logbook# A11-02-12

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Volume (ml)	Soil Weight (g)	Spike Amount	If Spiked Please	Comments
11-07-10	PSN	12563	F-2 MSD	46	50		100 mL	☒	
		12563	F-3	47					
		12579	E-4	48					
			G-5	49					
		12766	B-1	50					
		12507	B-1	51					Ammenale
			C-2	52					
			G-3	53					
			C-4	54					
			C-5	55					
		12766	B-5	56					
			B-2	57					
			B-4	58					
			B-3	59					
		12684	A-1	60					

Start Time _____ End Time _____ H₂S _____ Cl₂ _____ ERA Water Lot# _____
 Magnesium Chloride: _____ Cyanide Total Standard: _____ ERA Soil Lot# _____ Cyanide Free Standard: _____
 Sulfamic Acid: _____ Cyanide Intermediate Standard: _____ 0.25N NaOH: _____

Zinc Acetate: _____

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 _____

Rev. 1
 11/15/2009

40944

Solutions:
Cyanide 335.4/9012/335.1/4500

Potassium Phosphate Buffer	480107	Exp. 22 November 2011
Pyridine Barbituric Acid	480170	Exp. 22 November 2011
Chloramine-T	480106	Exp. 22 November 2011

LCS =0.4mg/L, 0.25mg/L
CCV =0.25mg/L
MS/SD =0.1mg/L

ERA D064-541

Actual =31.5mg/Kg
Range =10.8- 45.4mg/Kg

ERA D067-541

Actual =44.0mg/Kg
Range =12.8- 53.8mg/Kg

50ppm INT STD =475166

Original Run Filename: OM_11-17-2011_02-13-32PM.OMN Created: 11/17/2011 2:13:32 PM

Original Run Author's Signature: [BufLachat]

Current Run Filename: OM_11-17-2011_02-13-32PM.OMN Last Modified: 11/17/2011 2:24:10 PM

Current Run Author's Signature: [BufLachat]

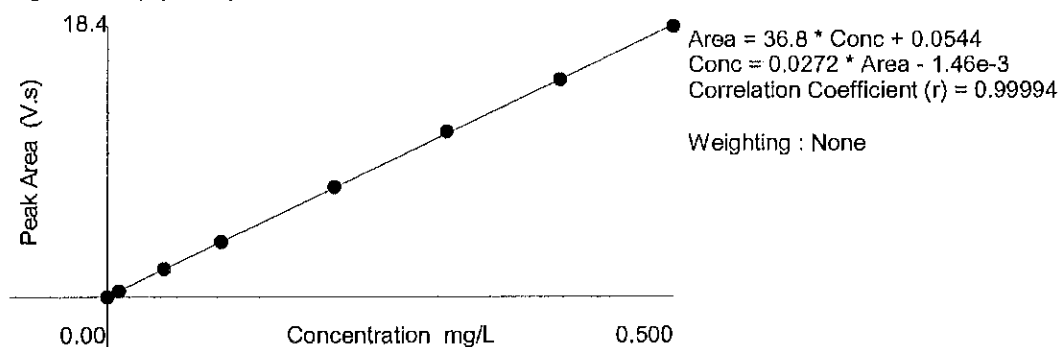
Description: Default New Run

Sample	Rep.	Cup No.	Channel 1			Detection Time	Description
			Cyanide	Area	Height		
Conc. (mg/L)			(V.s)	(V)			
CCV	1	S10	0.249	9.24	0.676	11/17/2011@2:14:23 PM	
Known Conc:			0.250				
CCB	1	S11	-1.59e-3	-5.14e-3	1.75e-3	11/17/2011@2:15:15 PM	
Known Conc:			0.00				
Calibration:			Table/Fig. : 1				
480-12597-D-2-A	1	1	7.17e-4	0.0800	4.30e-3	11/17/2011@2:16:09 PM	
480-12393-C-1-B^2	1	2	0.353	13.0	0.958	11/17/2011@2:17:02 PM	
480-12393-C-1-C MS^2	1	3	0.388	14.3	1.06	11/17/2011@2:17:55 PM	
480-12393-C-2-B^10	1	4	0.120	4.46	0.329	11/17/2011@2:18:48 PM	
480-12393-C-B^10	1	5	0.0845	3.16	0.231	11/17/2011@2:19:41 PM	
mb 480-40886/1-a	1	6	-8.01e-4	0.0241	2.17e-3	11/17/2011@2:20:33 PM	
CCV	1	S10	0.240	8.91	0.653	11/17/2011@2:21:26 PM	
Known Conc:			100				
CCB	1	S11	-9.74e-4	0.0177	2.51e-3	11/17/2011@2:22:18 PM	
Known Conc:			100				

Table : 1 (Cyanide)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	0.500	1	18.4	1.28	0.0	0.5	0.497	9/30/2011	10:23:41 AM
2	0.400	1	14.8	1.04	0.0	0.1	0.400	9/30/2011	10:24:33 AM
3	0.300	1	11.2	0.789	0.0	-1.3	0.304	9/30/2011	10:25:26 AM
4	0.200	1	7.47	0.526	0.0	-0.7	0.201	9/30/2011	10:26:19 AM
5	0.100	1	3.74	0.261	0.0	0.0	0.100	9/30/2011	10:27:13 AM
6	0.0500	1	1.90	0.131	0.0	-0.3	0.0502	9/30/2011	10:28:07 AM
7	0.0100	1	0.386	0.0267	0.0	8.5	9.04e-3	9/30/2011	10:29:03 AM
8	0.00	1	-2.88e-3	1.04e-3			-1.53e-3	9/30/2011	10:29:58 AM

Figure : 1 (Cyanide)



Cyanide Distillation Logbook

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Volume (ml)	Soil Weight (g)	Spike Amount	If Spiked Please ☒	Comments
11-16-11	PSJ	12553	B-1	16	50				
			B-2	17					
			C-3	18					
			C-4	19					
			C-5	20					
		MB	BLANK	21			250 µL	☒	
		665	Q 257pm	22					
		12426	A-1	23					
			A-3	24					
		12326	D-1	25					
			D-3	26					
			D-7	27					
			D-7	28					
			D-9	29					
			D-11	30					

Start Time: _____ End Time: _____ H₂S: _____ Cl₂: _____ ERA Water Lot#: _____
 Magnesium Chloride: _____ Cyanide Total Standard: _____ ERA Soil Lot#: _____ Cyanide Free Standard: _____
 Sulfamic Acid: _____ Cyanide Intermediate Standard: _____ 0.25N NaOH: _____

Acetate Buffer: _____ Zinc Acetate: _____

Block Temp Check:

Block # _____ Measured Temp °C _____ Corrected Temp °C (After Correction factor has been applied) _____ Cell # _____

Block # _____ Measured Temp °C _____ Corrected Temp °C (After Correction factor has been applied) _____ Cell # _____

Reviewed By: _____ Date: _____

Other: _____

12/19/2011
 rev. 1
 2/15/2009

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Volume (ml)	Soil Weight (g)	Spike Amount	If Spiked Please 	Comments
11-16-91	PJN	12553	C-6	46					
		12556	U-1	47					
		12434	C-2	48					
		12443	C-4	49					
		12490	F-1	50					
			F-2	51					
			F-3	52					
			F-4	53					
			F-4 MS	54					
			F-5	55					
			F-5 DU	56					
			F-6	57					
			F-7	58					
			F-8	59					
		12475	F-1	60					

Start Time _____ End Time _____ H₂S _____ Cl₂ _____ ERA Water Lot# _____

Magnesium Chloride: _____ Cyanide Total Standard: _____ ERA Soil Lot# _____
 Subhalic Acid: _____ Cyanide Intermediate Standard: _____ 0.25N NaOH: _____ Cyanide Free Standard: _____

Acetate Buffer: _____ Zinc Acetate: _____

Block Temp Check: _____ 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 _____

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Volume (mL)	Soil Weight (g)	Spike Amount	If Spiked Please 	Comments
11-16-01	PSN	12326	D-13	31	50				
			D-14	32					
			D-14 DU	33					
		12373	F-1	34					
			F-2	35					
		12393	G-1	36					
			G-1 MS	37					
			G-2	38					
			G-3	39					
		12376	L-1	40					
		MB	BLANK	41			250 mL	✓	
		LCS	Q-25 ppm	42					
		12381	D-1	43					
			D-2	44					
		12482	E-1	45					

Start Time _____ End Time _____ H₂S _____ Cl₂ _____ ERA Water Lot# _____
 Magnesium Chloride: _____ Cyanide Total Standard: _____ ERA Soil Lot# _____ Cyanide Free Standard: _____
 Culmalic Acid: _____ Cyanide Intermediate Standard: _____ 0.25N NaOH: _____
 Acetate Buffer: _____ Zinc Acetate: _____
 Block Temp Check: _____
 Block # _____ Measured Temp °C _____ Corrected Temp °C (After Correction factor has been applied) _____ Cell# _____
 Block # _____ Measured Temp °C _____ Corrected Temp °C (After Correction factor has been applied) _____ Cell# _____
 Other: _____ Reviewed By _____ Date _____

TestAmerica BUFFALO

Cyanide Distillation Logbook

Logbook# A11-02-12

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Volume (ml)	Soil Weight (g)	Spike Amount	If Spiked Please	Comments
11-16-11	PSN	MB	BLANK	61				☒	
		LCS	@.2577pm	62			2.50mL	☒	
		12475	F-2	63					
			F-3	64					
			F-4	65					
			F-5	66					
			F-6	67					
			F-7	68					
			F-8	69					
		12448	M-1	70					
		12474	S-1	71					
		12450	N-1	72					
		12558	E-1	73					
			E-1 DU	74					
			E-2	75					

Start Time _____ End Time _____ H₂S _____ Cl₂ _____ 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# _____

Reviewed By _____ Date _____

12/19/2011

TestAmerica BUFFALO

Logbook# A11-02-12

Cyanide Distillation Logbook

[illegible]

Start Time _____ End Time _____ H_2S _____ Cl_2 _____ ERA Water Lot# _____

Magnesium Chloride: _____ Cyanide Total Standard: _____ ERA Soil Lot# _____

Sulfamic Acid: _____ Cyanide Intermediate Standard _____ 0.25N NaOH: _____ Cyanide Free Standard: _____

Acetate Buffer: _____ Zinc Acetate: _____
 Block Temp Check: _____ Corrected Temp °C (After Correction factor has been applied) _____
 Block# _____ Measured Temp °C _____

Block#	Measured Temp °C	Corrected Temp °C (After Correction factor has been applied)	Cell#
1	25.0	25.0	1
2	25.0	25.0	2
3	25.0	25.0	3
4	25.0	25.0	4
5	25.0	25.0	5
6	25.0	25.0	6
7	25.0	25.0	7
8	25.0	25.0	8
9	25.0	25.0	9
10	25.0	25.0	10
11	25.0	25.0	11
12	25.0	25.0	12
13	25.0	25.0	13
14	25.0	25.0	14
15	25.0	25.0	15
16	25.0	25.0	16
17	25.0	25.0	17
18	25.0	25.0	18
19	25.0	25.0	19
20	25.0	25.0	20
21	25.0	25.0	21
22	25.0	25.0	22
23	25.0	25.0	23
24	25.0	25.0	24
25	25.0	25.0	25
26	25.0	25.0	26
27	25.0	25.0	27
28	25.0	25.0	28
29	25.0	25.0	29
30	25.0	25.0	30
31	25.0	25.0	31
32	25.0	25.0	32
33	25.0	25.0	33
34	25.0	25.0	34
35	25.0	25.0	35
36	25.0	25.0	36
37	25.0	25.0	37
38	25.0	25.0	38
39	25.0	25.0	39
40	25.0	25.0	40
41	25.0	25.0	41
42	25.0	25.0	42
43	25.0	25.0	43
44	25.0	25.0	44
45	25.0	25.0	45
46	25.0	25.0	46
47	25.0	25.0	47
48	25.0	25.0	48
49	25.0	25.0	49
50	25.0	25.0	50
51	25.0	25.0	51
52	25.0	25.0	52
53	25.0	25.0	53
54	25.0	25.0	54
55	25.0	25.0	55
56	25.0	25.0	56
57	25.0	25.0	57
58	25.0	25.0	58
59	25.0	25.0	59
60	25.0	25.0	60
61	25.0	25.0	61
62	25.0	25.0	62
63	25.0	25.0	63
64	25.0	25.0	64
65	25.0	25.0	65
66	25.0	25.0	66
67	25.0	25.0	67
68	25.0	25.0	68
69	25.0	25.0	69
70	25.0	25.0	70
71	25.0	25.0	71
72	25.0	25.0	72
73	25.0	25.0	73
74	25.0	25.0	74
75	25.0	25.0	75
76	25.0	25.0	76
77	25.0	25.0	77
78	25.0	25.0	78
79	25.0	25.0	79
80	25.0	25.0	80
81	25.0	25.0	81
82	25.0	25.0	82
83	25.0	25.0	83
84	25.0	25.0	84
85	25.0	25.0	85
86	25.0	25.0	86
87	25.0	25.0	87
88	25.0	25.0	88
89	25.0	25.0	89
90	25.0	25.0	90
91	25.0	25.0	91
92	25.0	25.0	92
93	25.0	25.0	93
94	25.0	25.0	94

Block#	Measured Temp °C	Corrected Temp °C (After Correction factor has been applied)	Cell#
1	25.0	25.0	1
2	25.0	25.0	2
3	25.0	25.0	3
4	25.0	25.0	4
5	25.0	25.0	5
6	25.0	25.0	6
7	25.0	25.0	7
8	25.0	25.0	8
9	25.0	25.0	9
10	25.0	25.0	10
11	25.0	25.0	11
12	25.0	25.0	12
13	25.0	25.0	13
14	25.0	25.0	14
15	25.0	25.0	15
16	25.0	25.0	16
17	25.0	25.0	17
18	25.0	25.0	18
19	25.0	25.0	19
20	25.0	25.0	20
21	25.0	25.0	21
22	25.0	25.0	22
23	25.0	25.0	23
24	25.0	25.0	24
25	25.0	25.0	25
26	25.0	25.0	26
27	25.0	25.0	27
28	25.0	25.0	28
29	25.0	25.0	29
30	25.0	25.0	30
31	25.0	25.0	31
32	25.0	25.0	32
33	25.0	25.0	33
34	25.0	25.0	34
35	25.0	25.0	35
36	25.0	25.0	36
37	25.0	25.0	37
38	25.0	25.0	38
39	25.0	25.0	39
40	25.0	25.0	40
41	25.0	25.0	41
42	25.0	25.0	42
43	25.0	25.0	43
44	25.0	25.0	44
45	25.0	25.0	45
46	25.0	25.0	46
47	25.0	25.0	47
48	25.0	25.0	48
49	25.0	25.0	49
50	25.0	25.0	50
51	25.0	25.0	51
52	25.0	25.0	52
53	25.0	25.0	53
54	25.0	25.0	54
55	25.0	25.0	55
56	25.0	25.0	56
57	25.0	25.0	57
58	25.0	25.0	58
59	25.0	25.0	59
60	25.0	25.0	60
61	25.0	25.0	61
62	25.0	25.0	62
63	25.0	25.0	63
64	25.0	25.0	64
65	25.0	25.0	65
66	25.0	25.0	66
67	25.0	25.0	67
68	25.0	25.0	68
69	25.0	25.0	69
70	25.0	25.0	70
71	25.0	25.0	71
72	25.0	25.0	72
73	25.0	25.0	73
74	25.0	25.0	74
75	25.0	25.0	75
76	25.0	25.0	76
77	25.0	25.0	77
78	25.0	25.0	78
79	25.0	25.0	79
80	25.0	25.0	80
81	25.0	25.0	81
82	25.0	25.0	82
83	25.0	25.0	83
84	25.0	25.0	84
85	25.0	25.0	85
86	25.0	25.0	86
87	25.0	25.0	87
88	25.0	25.0	88
89	25.0	25.0	89
90	25.0	25.0	90
91	25.0	25.0	91
92	25.0	25.0	92
93	25.0	25.0	93
94	25.0	25.0	94

12. **Author:** _____
Reviewed By _____
Date _____

TestAmerica BUFFALO

Cyanide Distillation Logbook

Logbook# A11-02-12

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Volume (ml)	Soil Weight (g)	Spike Amount	If Spiked Please	Comments
11-17-11	PSN	MB	BLANK	1	50			☒	
		LCS	Q.4 ppm	2			400 mL	☒	
		12507	B-1	3					
			C-2	4					
			C-3	5					
			C-4	6					
			C-5	7					
		12558	E-7	8					
			E-8	9					
			E-8DU	10					
			E-9	11					
			E-9 MS	12			100 mL	☒	
			E-10	13					
			E-11	14					
			E-12	15					

Start Time 6:15 End Time _____ H_2S ☒ Cl_2 ☒ ERA Water Lot# _____
 Magnesium Chloride: _____ Cyanide Total Standard: _____ ERA Soil Lot# _____
 Sulphuric Acid: 482351 Cyanide Intermediate Standard 4166963 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# _____
 Reviewed By _____ Date _____

TestAmerica BUFFALO

Cyanide Distillation Logbook

Logbook# A11-02-12

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Volume (ml)	Soil Weight (g)	Spike Amount	If Spiked Please 	Comments
11-17-11	PSN	12558	E-13	16	50				
			E-14	17					
			E-15	18					
			E-16	19					
			E-17	20					
		MB	BLANK	21					
		LCS	Q-25 ppm	22			250mL	✓	
		LCS	165 SOIL	23		.5039g			
		12407	D-1	24		.5009g			
		12597	D-2	25		.5009g			
		12700	D-1	26					
		360-37564	B-1	27					
			B-2	28					
		12558	E-18	29					
			E-18	30					

Start Time _____ End Time _____ H₂S _____ Cl₂ _____ ERA Water Lot# _____
 Magnesium Chloride: _____ Cyanide Total Standard: _____ ERA Soil Lot# 39269
 Sulfamic 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 _____

Cyanide Distillation Logbook

Logbook# A11-02-12

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Volume (ml)	Soil Weight (g)	Spike Amount	If Spiked Please 	Comments
11-17-11	PSN	12558	E-19	31	50				
			E-19MS	32			100mL	✓	
			E-21	33					
		12562	F-1	34					
			F-2	35					
			F-2MS	36			100mL	✓	
			F-2MSD	37			100mL	✓	
			F-3	38					
			F-4	39					
			F-5	40					
		~~12563~~	~~F-1~~ ~~SAWK~~	41					
		~~12563~~	~~F-2~~ ~~MS~~	42			400mL 250mL PN-11-07-11	✓	
		12563	F-1	43					
			F-2	44					
			F-2MSD	45			100mL	✓	

Start Time _____ End Time _____ H₂S _____ Cl₂ _____ ERA Water Lot# _____

Magnesium Chloride: _____ Cyanide Total Standard: _____ ERA Soil Lot# _____

Sulfamic Acid: _____ Cyanide Intermediate Standard 0.25N NaOH 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# _____

Reviewed By _____ Date _____

TestAmerica BUFFALO

Cyanide Distillation Logbook

Logbook# A11-02-12

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Volume (ml)	Soil Weight (g)	Spike Amount	If Spiked Please	Comments
11-07-11	PJN	12563	F-2 MSD	46	50		100 uL	☒	
		12563	F-3	47					
		12579	E-4	48					
			G-5	49					
		12766	B-1	50					
		12507	B-1	51					Ammenable
			C-2	52					
			G-3	53					
			C-4	54					
			C-5	55					
		12766	B-5	56					
			B-2	57					
			B-4	58					
			B-3	59					
		12684	A-1	60					

Start Time _____ End Time _____ H₂S _____ Cl₂ _____ ERA Water Lot# _____
 Magnesium Chloride: _____ Cyanide Total Standard: _____ ERA Soil Lot# _____
 Sulphuric 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# _____

Reviewed By _____ Date _____

Solutions:
Cyanide 335.4/9012/335.1/4500

Potassium Phosphate Buffer	480107	Exp. 22 November 2011
Pyridine Barbituric Acid	480170	Exp. 22 November 2011
Chloramine-T	480106	Exp. 22 November 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- 45.4mg/Kg

ERA D067-541

Actual =44.0mg/Kg

Range =12.8– 53.8mg/Kg

50ppm INT STD =475166

Original Run Filename: OM_11-18-2011_01-06-14PM.OMN Created: 11/18/2011 1:06:14 PM

Original Run Author's Signature: [Buflachat]

Current Run Filename: OM_11-18-2011_01-06-14PM.OMN Last Modified: 11/18/2011 2:28:00 PM

Current Run Author's Signature: [Buflachat]

Description: Default New Run

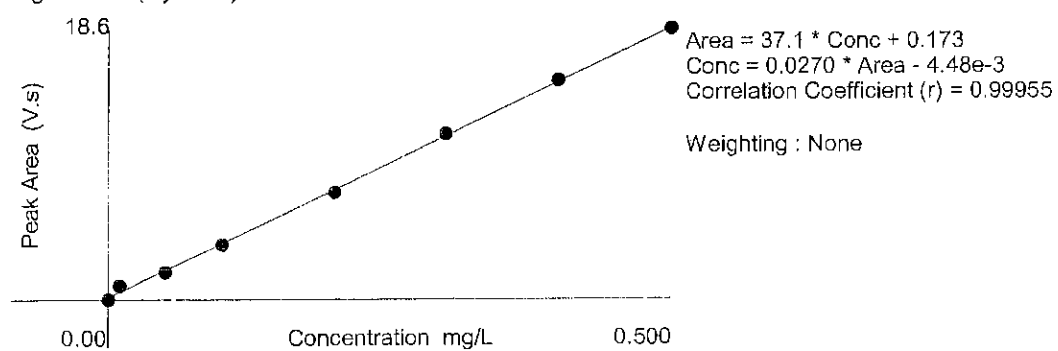
Sample	Rep.	Cup No.	Channel 1			Detection Time	Description
			Cyanide	Area	Height		
			Conc. (mg/L)	(V.s)	(V)		
CCV	1	S10	0.274	10.3	0.748	11/18/2011@1:07:11 PM	
Known Conc:			100				
Calibration:			Table/Fig. : 1				
CCB	1	S11	-3.79e-3	0.0255	2.45e-3	11/18/2011@1:08:03 PM	
Known Conc:			100				
mb 480-40963/1-a	1	1	-4.81e-3	-0.0123	1.70e-3	11/18/2011@1:08:57 PM	
lcs 480-40963/2-a	1	2	0.319	12.0	0.868	11/18/2011@1:09:49 PM	
480-12563-f-1-a	1	3	0.0239	1.05	0.0753	11/18/2011@1:10:47 PM	
480-12563-f-2-a	1	4	0.0109	0.571	0.0418	11/18/2011@1:11:40 PM	
480-12563-f-2-b ms	1	5	0.117	4.51	0.327	11/18/2011@1:12:32 PM	
480-12563-f-2-c msd	1	6	0.122	4.68	0.337	11/18/2011@1:13:24 PM	
480-12563-f-3-a	1	7	0.0440	1.80	0.130	11/18/2011@1:14:17 PM	
480-12579-e-4-a	1	8	-1.49e-3	0.111	7.26e-3	11/18/2011@1:15:10 PM	
480-12579-g-5-a	1	9	-3.67e-3	0.0302	2.28e-3	11/18/2011@1:16:02 PM	
480-12766-b-1-a	1	10	-3.20e-3	0.0476	2.71e-3	11/18/2011@1:16:54 PM	
CCV	1	S10	0.272	10.3	0.736	11/18/2011@1:17:46 PM	
Known Conc:			100				
CCB	1	S11	-4.16e-3	0.0119	2.29e-3	11/18/2011@1:18:39 PM	
Known Conc:			100				
480-12507-b-1-b;NA	1	11	-5.03e-4	0.148	0.0104	11/18/2011@1:19:31 PM	
480-12507-c-2-b;NA	1	12	-4.06e-3	0.0155	1.26e-3	11/18/2011@1:20:23 PM	
480-12507-c-3-b;NA	1	13	-3.85e-3	0.0235	1.20e-3	11/18/2011@1:21:15 PM	
480-12507-c-4-b;NA	1	14	-4.64e-3	-5.88e-3	1.41e-3	11/18/2011@1:22:07 PM	
480-12507-c-5-b;NA	1	15	-3.60e-3	0.0326	3.14e-3	11/18/2011@1:22:58 PM	
480-12766-b-5-a	1	16	-4.05e-3	0.0159	2.57e-3	11/18/2011@1:23:52 PM	
480-12766-b-2-a	1	17	-3.25e-3	0.0456	2.80e-3	11/18/2011@1:24:46 PM	
480-12766-b-4-a	1	18	-3.82e-3	0.0244	3.07e-3	11/18/2011@1:25:40 PM	
480-12766-b-3-a	1	19	-3.88e-3	0.0223	2.36e-3	11/18/2011@1:26:34 PM	
480-12684-a-1-b	1	20	-3.88e-3	0.0224	2.27e-3	11/18/2011@1:27:28 PM	
CCV	1	S10	0.264	9.96	0.715	11/18/2011@1:28:20 PM	
Known Conc:			100				
CCB	1	S11	-3.90e-3	0.0215	2.20e-3	11/18/2011@1:29:12 PM	
Known Conc:			100				
mb 480-41045/1-a	1	21	-4.07e-3	0.0151	2.50e-3	11/18/2011@1:30:06 PM	
lcs 480-41045/2-a	1	22	0.420	15.7	1.14	11/18/2011@1:30:58 PM	
480-12827-h-1-a	1	23	0.0212	0.953	0.0680	11/18/2011@1:31:50 PM	
480-12846-a-1-a	1	24	4.89e-3	0.348	0.0248	11/18/2011@1:32:43 PM	
480-12846-a-3-a	1	25	4.36e-3	0.328	0.0231	11/18/2011@1:33:36 PM	
480-12661-d-2-b	1	26	1.85e-4	0.173	0.0120	11/18/2011@1:34:28 PM	
480-12661-d-4-b	1	27	0.0118	0.602	0.0432	11/18/2011@1:35:20 PM	
480-12661-d-6-b	1	28	4.20e-3	0.322	0.0229	11/18/2011@1:36:12 PM	
480-12229-h-1-c	1	29	-3.88e-3	0.0224	2.31e-3	11/18/2011@1:37:04 PM	
480-12234-e-24-c	1	30	-2.78e-3	0.0630	4.26e-3	11/18/2011@1:37:55 PM	
CCV	1	S10	0.269	10.1	0.726	11/18/2011@1:38:48 PM	
Known Conc:			100				
CCB	1	S11	-5.46e-3	-0.0365	-1.78e-3	11/18/2011@1:39:41 PM	
Known Conc:			100				
480-12234-e-26-c	1	31	-2.73e-3	0.0650	4.35e-3	11/18/2011@1:40:35 PM	
480-12667-c-2-b	1	32	1.00e-3	0.203	0.0146	11/18/2011@1:41:28 PM	
480-12667-c-2-c du	1	33	1.07e-3	0.206	0.0125	11/18/2011@1:42:21 PM	
480-12667-c-4-b	1	34	0.0177	0.822	0.0573	11/18/2011@1:43:15 PM	
480-12667-c-4-c ms	1	35	0.0891	3.47	0.249	11/18/2011@1:44:08 PM	
480-12393-c-4-c	1	36	0.0427	1.75	0.125	11/18/2011@1:45:01 PM	
480-12482-e-2-c	1	37	-2.38e-3	0.0781	5.61e-3	11/18/2011@1:45:54 PM	
480-12482-e-3-b	1	38	8.29e-3	0.474	0.0345	11/18/2011@1:46:47 PM	
480-12482-e-4-b	1	39	-1.75e-3	0.101	6.65e-3	11/18/2011@1:47:41 PM	
480-12558-e-1-c	1	40	-4.75e-3	-0.0100	-1.29e-3	11/18/2011@1:48:33 PM	
CCV	1	S10	0.266	10.0	0.719	11/18/2011@1:49:26 PM	

		Known Conc:		100				
CCB	1	S11	-4.26e-3	8.33e-3	2.89e-3	11/18/2011@1:50:18 PM		
		Known Conc:		100				
MB 480-41108/1-A	1	41	-4.52e-3	-1.37e-3	2.70e-3	11/18/2011@1:51:11 PM		
LCS 480-41108/2-A	1	42	0.268	10.1	0.729	11/18/2011@1:52:03 PM		
480-12443-B-1-C;na	1	43	0.0106	0.561	0.0399	11/18/2011@1:52:55 PM		
480-12443-C-2-C;na	1	44	-2.81e-3	0.0621	5.63e-3	11/18/2011@1:53:48 PM		
480-12443-C-3-C;na	1	45	-3.29e-3	0.0440	2.70e-3	11/18/2011@1:54:40 PM		
480-12443-C-4-D;na	1	46	-3.37e-3	0.0410	3.22e-3	11/18/2011@1:55:34 PM		
480-12558-E-2-C	1	47	-3.23e-3	0.0463	2.85e-3	11/18/2011@1:56:28 PM		
480-12558-E-3-B	1	48	-3.27e-3	0.0450	3.84e-3	11/18/2011@1:57:22 PM		
480-12558-E-4-B	1	49	-3.89e-3	0.0221	2.56e-3	11/18/2011@1:58:16 PM		
480-12558-E-4-C DU	1	50	-3.45e-3	0.0381	2.67e-3	11/18/2011@1:59:10 PM		
CCV	1	S10	0.269	10.1	0.726	11/18/2011@2:00:03 PM		
		Known Conc:		100				
CCB	1	S11	-4.27e-3	7.68e-3	2.40e-3	11/18/2011@2:00:56 PM		
		Known Conc:		100				
480-12558-E-5-B	1	51	-3.41e-3	0.0398	2.85e-3	11/18/2011@2:01:49 PM		
480-12558-E-5-C MS	1	52	0.0790	3.10	0.221	11/18/2011@2:02:42 PM		
480-12558-E-6-B	1	53	-3.15e-3	0.0493	3.15e-3	11/18/2011@2:03:35 PM		
480-12614-D-1-A	1	54	-3.60e-3	0.0328	4.35e-3	11/18/2011@2:04:28 PM		
480-12614-D-2-A	1	55	-3.93e-3	0.0204	1.77e-3	11/18/2011@2:05:21 PM		
480-12614-D-3-A	1	56	-3.85e-3	0.0232	1.60e-3	11/18/2011@2:06:14 PM		
480-12614-D-4-A	1	57	-5.02e-3	-0.0199	-1.73e-3	11/18/2011@2:07:07 PM		
480-12614-D-5-A	1	58	-4.09e-3	0.0143	2.91e-3	11/18/2011@2:07:59 PM		
480-12622-E-1-A	1	59	8.19e-3	0.470	0.0347	11/18/2011@2:08:52 PM		
480-12622-E-2-A	1	60	1.55e-3	0.224	0.0152	11/18/2011@2:09:44 PM		
CCV	1	S10	0.267	10.1	0.722	11/18/2011@2:10:36 PM		
		Known Conc:		100				
C CB	1	S11	-3.90e-3	0.0214	1.96e-3	11/18/2011@2:11:29 PM		
		Known Conc:		100				
lcsre	1	81	0.314	11.8	0.855	11/18/2011@2:12:22 PM		
12563f1a	1	82	0.0238	1.05	0.0744	11/18/2011@2:13:16 PM		
12563f2a	1	83	0.0114	0.589	0.0403	11/18/2011@2:14:09 PM		
CCV	1	S10	0.267	10.1	0.720	11/18/2011@2:15:02 PM		
		Known Conc:		100				
CCB	1	S11	-4.66e-3	-6.74e-3	-2.99e-3	11/18/2011@2:15:54 PM		
		Known Conc:		100				
480-11512-j-2-d	1	91	0.686	25.6	6.82	11/18/2011@2:16:49 PM		
480-11677-g-2-a	1	92	0.583	21.8	5.67	11/18/2011@2:17:43 PM		
480-11677-g-2-b ms	1	93	0.568	21.2	5.54	11/18/2011@2:18:38 PM		
480-11677-g-2-c msd	1	94	0.600	22.4	5.62	11/18/2011@2:19:33 PM		
480-11609-g-1-a	1	95	0.630	23.5	6.62	11/18/2011@2:20:27 PM		
480-11612-q-3-a	1	96	0.549	20.5	6.15	11/18/2011@2:21:21 PM		
480-11681-e-1-b	1	97	0.568	21.2	5.78	11/18/2011@2:22:15 PM		
480-11720-h-1-b	1	98	0.605	22.6	5.92	11/18/2011@2:23:10 PM		
480-11720-h-5-b	1	99	0.329	12.4	6.19	11/18/2011@2:24:03 PM		
480-11722-k-1-b	1	100	0.684	25.6	6.67	11/18/2011@2:24:56 PM		
CCV	1	S10	0.269	10.1	0.752	11/18/2011@2:25:48 PM		
		Known Conc:		100				

Table : 1 (Cyanide)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	0.500	1	18.6	1.36	0.0	0.3	0.498	10/28/2011	1:14:53 PM
2	0.400	1	15.1	1.10	0.0	-0.7	0.402	10/28/2011	1:15:45 PM
3	0.300	1	11.4	0.836	0.0	-1.2	0.304	10/28/2011	1:16:37 PM
4	0.200	1	7.39	0.540	0.0	2.6	0.195	10/28/2011	1:17:30 PM
5	0.100	1	3.79	0.277	0.0	2.2	0.0978	10/28/2011	1:18:23 PM
6	0.0500	1	1.88	0.137	0.0	7.1	0.0463	10/28/2011	1:19:17 PM
7	0.0100	1	0.965	0.0688	0.0	-77.7	0.0215	10/28/2011	1:20:11 PM
8	0.00	1	3.19e-4	8.58e-4			-4.47e-3	10/28/2011	1:21:07 PM

Figure : 1 (Cyanide)



TestAmerica BUFFALO

Cyanide Distillation Logbook

Logbook# A11-02-12

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Volume (ml)	Soil Weight (g)	Spike Amount	If Spiked Please	Comments
11-18-11	PSN	MB	BLANK	1	50			☒	
		LC5	@ .4 ppm	2			400 mL	☒	
		12027	H-1	3					
		12046	A-1	4					
			A-3	5					
		12661	D-2	6					
			D-4	7					
			D-6	8					
		12229	H-1	9					
		12234	E-24	10					
			E-26	11					
		12667	C-2	12					
			C-2 DU	13					
			C-4	14					
			C-4 MS	15			100 mL	☒	

Start Time 8:00 End Time _____ H₂S ☒ ERA Water Lot# _____
 Magnesium Chloride: 455573 Cyanide Total Standard: _____ ERA Soil Lot# _____
 Sulfamic Acid: 482351 Cyanide Intermediate Standard 466963 0.25N NaOH: 466946 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# _____
 Reviewed By _____ Date _____

TestAmerica BUFFALO

Cyanide Distillation Logbook

Logbook# A11-02-12

[illegible]

Start Time	End Time	H ₂ S	Cl ₂	ERA Water Lot#
Magnesium Chloride:	Cyanide Total Standard:			ERA Soil Lot#
Sulfamic Acid:	Cyanide Intermediate Standard	0.25N NaOH:		Cyanide Free Standard:
Acetate Buffer:	Zinc Acetate:			
lock Temp Check:				
lock#	Measured Temp °C	Corrected Temp °C (After Correction factor has been applied)		Cell#
lock#	Measured Temp °C	Corrected Temp °C (After Correction factor has been applied)		Cell#

12. Reviewed By _____ Date _____

12/19/2011

TestAmerica BUFFALO

Cyanide Distillation Logbook

Logbook# A11-02-12

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Volume (ml)	Soil Weight (g)	Spike Amount	If Spiked Please	Comments
11-18-11	PSN	MB	BLANK	21	50			☒	
		LLS	@.25ppm	22			250uL	☒	
		12443	B-1	23					Ammonable
			C-2	24					
			C-3	25					
			C-4	26					
		12558	E-2	27					
			E-3	28					
			E-4	29					
			E-4 DU	30					
			E-5	31					
			E-5 MS	32			100uL	☒	
			E-6	33					
		12614	D-1	34					
			D-2	35					

Start Time _____ End Time _____ H₂S _____ Cl₂ _____ ERA Water Lot# _____
 Magnesium Chloride: _____ Cyanide Total Standard: _____ ERA Soil Lot# _____
 Sulfamic 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# _____
 Reviewed By _____ Date _____

Cyanide Distillation Logbook

Logbook# A11-02-12

[illegible]

Start time

End Line

I-I, S

(15)

ERA Waterford

Magnesium Chloride:

Cyanide Total Standard:

ERA Soil Lab

Sulfamic Acid:

Cyanide Intermediate Standard

0.25N NaOH

Variable Price Schedule

Acetate Buffer:

Zinc Acetate:

Block Temp Check:

1

Block#	Measured Temp °C
1	25.0
2	25.0
3	25.0
4	25.0
5	25.0
6	25.0
7	25.0
8	25.0
9	25.0
10	25.0
11	25.0
12	25.0
13	25.0
14	25.0
15	25.0
16	25.0
17	25.0
18	25.0
19	25.0
20	25.0
21	25.0
22	25.0
23	25.0
24	25.0
25	25.0
26	25.0
27	25.0
28	25.0
29	25.0
30	25.0
31	25.0
32	25.0
33	25.0
34	25.0
35	25.0
36	25.0
37	25.0
38	25.0
39	25.0
40	25.0
41	25.0
42	25.0
43	25.0
44	25.0
45	25.0
46	25.0
47	25.0
48	25.0
49	25.0
50	25.0
51	25.0
52	25.0
53	25.0
54	25.0
55	25.0
56	25.0
57	25.0
58	25.0
59	25.0
60	25.0
61	25.0
62	25.0
63	25.0
64	25.0
65	25.0
66	25.0
67	25.0
68	25.0
69	25.0
70	25.0
71	25.0
72	25.0
73	25.0
74	25.0
75	25.0
76	25.0
77	25.0
78	25.0
79	25.0
80	25.0
81	25.0
82	25.0
83	25.0
84	25.0
85	25.0
86	25.0
87	25.0
88	25.0
89	25.0
90	25.0
91	25.0
92	25.0
93	25.0
94	25.0
95	25.0
96	25.0
97	25.0
98	25.0
99	25.0
100	25.0

Corrected Temp °C (After Correction factor has been applied)

Cell)

Block#	Measured Temp °C
1	25.0
2	25.0
3	25.0
4	25.0
5	25.0
6	25.0
7	25.0
8	25.0
9	25.0
10	25.0
11	25.0
12	25.0
13	25.0
14	25.0
15	25.0
16	25.0
17	25.0
18	25.0
19	25.0
20	25.0
21	25.0
22	25.0
23	25.0
24	25.0
25	25.0
26	25.0
27	25.0
28	25.0
29	25.0
30	25.0
31	25.0
32	25.0
33	25.0
34	25.0
35	25.0
36	25.0
37	25.0
38	25.0
39	25.0
40	25.0
41	25.0
42	25.0
43	25.0
44	25.0
45	25.0
46	25.0
47	25.0
48	25.0
49	25.0
50	25.0
51	25.0
52	25.0
53	25.0
54	25.0
55	25.0
56	25.0
57	25.0
58	25.0
59	25.0
60	25.0
61	25.0
62	25.0
63	25.0
64	25.0
65	25.0
66	25.0
67	25.0
68	25.0
69	25.0
70	25.0
71	25.0
72	25.0
73	25.0
74	25.0
75	25.0
76	25.0
77	25.0
78	25.0
79	25.0
80	25.0
81	25.0
82	25.0
83	25.0
84	25.0
85	25.0
86	25.0
87	25.0
88	25.0
89	25.0
90	25.0
91	25.0
92	25.0
93	25.0
94	25.0
95	25.0
96	25.0
97	25.0
98	25.0
99	25.0
100	25.0

Corrected Temp °C (After Correction factor has been applied)

附記

12.

Reviewed By

Date _____

TestAmerica BUFFALO

Cyanide Distillation Logbook

Logbook# A11-02-12

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Volume (ml)	Soil Weight (g)	Spike Amount	If Spiked Please	Comments
11-17-11	PSN	12558	E-19	31	50			☒	
			E-19MS	32			100mL	☒	
			E-21	33					
		12562	F-1	34					
			F-2	35					
			F-2MS	36			100mL	☒	
			F-2MSD	37			100mL	☒	
			F-3	38					
			F-4	39					
			F-5	40					
		~~12563~~	~~F-1~~ BANK	41					
		~~12563~~	~~F-2~~ @ 25mL	42			400mL 250mL PN-11-07-11	☒	
		12563	F-1	43					
			F-2MSD	44					
			F-2MS	45			100mL	☒	

Start Time _____ End Time _____ H₂S _____ Cl₂ _____ ERA Water Lot# _____
 Magnesium Chloride: _____ Cyanide Total Standard: _____ ERA Soil Lot# _____
 Sulphuric Acid: _____ Cyanide Intermediate Standard 466963 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# _____
 Operator: _____ Reviewed By: _____ Date: _____

TestAmerica BUFFALO

Cyanide Distillation Logbook

Logbook# A11-02-12

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Volume (ml)	Soil Weight (g)	Spike Amount	If Spiked Please	Comments
11-07-11	PSN	12563	F-2 MSD	46	50		100 mL	☒	
		12563	F-3	47					
		12579	E-4	48					
			G-5	49					
		12766	B-1	50					
		12507	B-1	51					Ammenable
			C-2	52					
			G-3	53					
			C-1	54					
			C-5	55					
		12766	B-5	56					
			B-2	57					
			B-4	58					
			B-3	59					
		12684	A-1	60					

Start Time _____ End Time _____ H₂S _____ Cl₂ _____ ERA Water Lot# _____
 Magnesium Chloride: _____ Cyanide Total Standard: _____ ERA Soil Lot# _____
 Sulphamic 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# _____

Operator: _____ Reviewed By: _____ Date: _____

Rev. 1

11/15/2009

Historical Data Summary Report

For Batch 41133

Lab Sample ID	Client Sample	Method	Analyte	Prep Type	Unit	Points	Dilution	Result	Data	
									Fail 3-Sigma Limits	Fail Client Limits
480-12229-H-1-C	G04S	335.4	Total Cyanide	Total/NA	mg/L	8	1.0	ND	☐ 0-0	☐ 0-0
480-12234-E-26-C	RMW-39	335.4	Cyanide, Total	Total/NA	mg/L	8	1.0	ND	☐ 0-0	☐ 0-0
480-12443-B-1-C	MW-7S	4500_CN_G	Cyanide, Non-amenable	Total/NA	mg/L	1	1.0	0.011	☒ 0-0	☒ 0-0
480-12443-C-2-C	MW-12	4500_CN_G	Cyanide, Non-amenable	Total/NA	mg/L	1	1.0	ND	☐ 0-0	☐ 0-0
480-12443-C-3-C	PZ-2R	4500_CN_G	Cyanide, Non-amenable	Total/NA	mg/L	1	1.0	ND	☐ 0-0	☐ 0-0
480-12443-C-4-D	DUP 2	4500_CN_G	Cyanide, Non-amenable	Total/NA	mg/L	1	1.0	ND	☐ 0-0	☐ 0-0
480-12507-B-1-B	MW-3S	4500_CN_G	Cyanide, Non-amenable	Total/NA	mg/L	1	1.0	ND	☐ 0-0	☐ 0-0
480-12507-C-2-B	MW-13R	4500_CN_G	Cyanide, Non-amenable	Total/NA	mg/L	1	1.0	ND	☐ 0-0	☐ 0-0
480-12507-C-3-B	MW-30S	4500_CN_G	Cyanide, Non-amenable	Total/NA	mg/L	1	1.0	ND	☐ 0-0	☐ 0-0
480-12507-C-4-B	MW-31	4500_CN_G	Cyanide, Non-amenable	Total/NA	mg/L	1	1.0	ND	☐ 0-0	☐ 0-0
480-12507-C-5-B	MW-32	4500_CN_G	Cyanide, Non-amenable	Total/NA	mg/L	1	1.0	ND	☐ 0-0	☐ 0-0
480-12558-E-1-C	G06D	9012A	Total Cyanide	Total/NA	mg/L	4	1.0	ND	☐ 0-0	☐ 0-0
480-12558-E-2-C	G27S	9012A	Total Cyanide	Total/NA	mg/L	8	1.0	ND	☐ 0-0	☐ 0-0
480-12558-E-3-B	G26S	9012A	Total Cyanide	Total/NA	mg/L	5	1.0	ND	☐ 0-0	☐ 0-0
480-12558-E-4-B	G25S	9012A	Total Cyanide	Total/NA	mg/L	4	1.0	ND	☐ 0-0	☐ 0-0
480-12558-E-5-B	G24S	9012A	Total Cyanide	Total/NA	mg/L	4	1.0	ND	☐ 0-0	☐ 0-0
480-12558-E-6-B	G08D	9012A	Total Cyanide	Total/NA	mg/L	4	1.0	ND	☐ 0-0	☐ 0-0
480-12614-D-1-A	MW-19R	4500_CN_E	Cyanide, Total	Total/NA	mg/L	1	1.0	ND	☐ 0-0	☐ 0-0
480-12614-D-2-A	MW-20R	4500_CN_E	Cyanide, Total	Total/NA	mg/L	1	1.0	ND	☐ 0-0	☐ 0-0
480-12614-D-3-A	MW-28D	4500_CN_E	Cyanide, Total	Total/NA	mg/L	1	1.0	ND	☐ 0-0	☐ 0-0
480-12614-D-4-A	MW-28S	4500_CN_E	Cyanide, Total	Total/NA	mg/L	2	1.0	ND	☐ 0-0	☐ 0-0
480-12614-D-5-A	PT-7R	4500_CN_E	Cyanide, Total	Total/NA	mg/L	1	1.0	ND	☐ 0-0	☐ 0-0
480-12622-E-1-A	BLACK OAK UNIT	335.4	Cyanide, Total	Total/NA	mg/L	2	1.0	ND	☐ 0-0.023	☒ 0.005 - 0.007
480-12622-E-2-A	HARTVILLE UNIT	335.4	Cyanide, Total	Total/NA	mg/L	2	1.0	ND	☐ 0-0	☐ 0-0
480-12846-A-1-A	001G-BW-111116	335.4	Cyanide, Total	Total/NA	mg/L	6	1.0	ND	☒ 0.002 - 0.015	☒ 0.005 - 0.016
480-12846-A-3-A	602G-BW-111116	335.4	Cyanide, Total	Total/NA	mg/L	7	1.0	ND	☐ 0-0.013	☐ 0-0.011

OKND

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1

SDG No.: _____

Batch Number: 40070 Batch Start Date: 11/11/11 14:35 Batch Analyst: Nyznyk, PeterBatch Method: 9012A Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
480-12393-C-5	EB-1	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.: 480-12393-1

SDG No.: _____

Batch Number: 40070 Batch Start Date: 11/11/11 14:35 Batch Analyst: Nyznyk, PeterBatch Method: Distill/CN Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WC_CN_50ppm 00028			
MB 480-40070/1		Distill/CN, 9012A		50 mL	50 mL				
LCS 480-40070/2		Distill/CN, 9012A		50 mL	50 mL	250 uL			

Batch Notes	

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1

SDG No.: _____

Batch Number: 40455 Batch Start Date: 11/15/11 11:45 Batch Analyst: Shantz, KatelynBatch Method: 9012A Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MV_8260_STK 00019	WC_CN_50ppm 00028		
CCV 480-40455/25		9012A		5 mL	5 mL		25 uL		
CCB 480-40455/26		9012A		5 mL	5 mL				
LCS 480-40070/2-A		9012A		5 mL	5 mL				
MB 480-40070/1-A		9012A		5 mL	5 mL	# mL			
CCV 480-40455/37		9012A		5 mL	5 mL		25 uL		
CCB 480-40455/38		9012A		5 mL	5 mL				
480-12393-C-5-A	EB-1	9012A	T	5 mL	5 mL				
CCV 480-40455/49		9012A		5 mL	5 mL		25 uL		
CCB 480-40455/50		9012A		5 mL	5 mL				

Batch Notes	

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1

SDG No.: _____

Batch Number: 40786 Batch Start Date: 11/16/11 16:46 Batch Analyst: Nyznyk, PeterBatch Method: 9012A Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WC_CN_50ppm 00028			
480-12393-C-1	DW 1R	9012A, 9012A	T	50 mL	50 mL				
480-12393-C-1 MS	DW 1R	9012A, 9012A	T	50 mL	50 mL	100 uL			
480-12393-C-2	MW 3 DR	9012A, 9012A	T	50 mL	50 mL				
480-12393-C-3	MW 3 DR DUP	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.: 480-12393-1

SDG No.: _____

Batch Number: 40786 Batch Start Date: 11/16/11 16:46 Batch Analyst: Nyznyk, PeterBatch Method: Distill/CN Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WC_CN_50ppm 00028			
MB 480-40786/1		Distill/CN, 9012A		50 mL	50 mL				
LCS 480-40786/2		Distill/CN, 9012A		50 mL	50 mL	250 uL			

Batch Notes	

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1

SDG No.: _____

Batch Number: 40927 Batch Start Date: 11/17/11 12:12 Batch Analyst: Shantz, KatelynBatch Method: 9012A Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WC_CN_50ppm 00028			
CCV 480-40927/1		9012A		5 mL	5 mL	25 uL			
CCB 480-40927/2		9012A		5 mL	5 mL				
MB 480-40786/1-A		9012A		5 mL	5 mL				
LCS 480-40786/2-A		9012A		5 mL	5 mL				
CCV 480-40927/13		9012A		5 mL	5 mL	25 uL			
CCB 480-40927/14		9012A		5 mL	5 mL				
CCV 480-40927/25		9012A		5 mL	5 mL	25 uL			
CCB 480-40927/26		9012A		5 mL	5 mL				

Batch Notes	

Basis	Basis Description

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1

SDG No.: _____

Batch Number: 40944 Batch Start Date: 11/17/11 14:14 Batch Analyst: Shantz, KatelynBatch Method: 9012A Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WC_CN_50ppm 00028			
CCV 480-40944/1		9012A		5 mL	5 mL	25 uL			
CCB 480-40944/2		9012A		5 mL	5 mL				
480-12393-C-1-B ^2	DW 1R	9012A	T	5 mL	5 mL				
480-12393-C-1-C MS ^2	DW 1R	9012A	T	5 mL	5 mL				
480-12393-C-2-B ^10	MW 3 DR	9012A	T	5 mL	5 mL				
480-12393-C-3-B ^10	MW 3 DR DUP	9012A	T	5 mL	5 mL				
CCV 480-40944/9		9012A		5 mL	5 mL	25 uL			
CCB 480-40944/10		9012A		5 mL	5 mL				

Batch Notes	

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1

SDG No.: _____

Batch Number: 41045 Batch Start Date: 11/18/11 10:22 Batch Analyst: Nyznyk, PeterBatch Method: 9012A Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
480-12393-C-4	MW 8 DR	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.: 480-12393-1

SDG No.: _____

Batch Number: 41045 Batch Start Date: 11/18/11 10:22 Batch Analyst: Nyznyk, PeterBatch Method: Distill/CN Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WC_CN_50ppm 00028			
MB 480-41045/1		Distill/CN, 9012A		50 mL	50 mL				
LCS 480-41045/2		Distill/CN, 9012A		50 mL	50 mL	400 uL			

Batch Notes	

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-12393-1

SDG No.: _____

Batch Number: 41133 Batch Start Date: 11/18/11 13:07 Batch Analyst: Rojecki, JamesBatch Method: 9012A Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	WC_CNL_INT 00023				
CCV 480-41133/25		9012A		5 mL	0.025 mL				
CCB 480-41133/26		9012A		5 mL					
MB 480-41045/1-A		9012A		5 mL					
LCS 480-41045/2-A		9012A		5 mL					
CCV 480-41133/37		9012A		5 mL	0.025 mL				
CCB 480-41133/38		9012A		5 mL					
480-12393-C-4-C	MW 8 DR	9012A	T	5 mL					
CCV 480-41133/49		9012A		5 mL	0.025 mL				
CCB 480-41133/50		9012A		5 mL					

Batch Notes	

Basis	Basis Description
T	Total/NA

Shipping and Receiving Documents

TestAmerica

[illegible]

Login Sample Receipt Checklist

Client: META Environmental

Job Number: 480-12393-1

Login Number: 12393

List Source: TestAmerica Buffalo

List Number: 1

Creator: May, Joel M

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	
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	