



WALDEN ASSOCIATES, INC.

ENVIRONMENTAL CONSULTANTS
16 SPRING STREET
OYSTER BAY, NEW YORK 11771
(516) 624-7200, FAX (516) 624-3219
EMAIL: INQUIRIES@WALDEN-ASSOC.COM

September 23, 2003

Mr. Joseph Jones
DEC DER Project Manager
New York State Department of Environmental Conservation
625 Broadway, 11th Floor
Albany, New York 12233-7015

Re: NYSDEC Voluntary Cleanup Program Site #V-00244-1
Imperial Cleaners, ACO #D1-30001-01-03 effective 4/18/01
SVE Well Pulsing Report – September 2003

Dear Mr. Jones:

Walden Associates, Inc. (Walden) has been retained by the owner of 218 Lakeville Road (218 Lakeville Road Associates, L.P.) to aid in site investigation, remedial system deployment and the oversight of operation and maintenance (O&M) activities of the remediation system at the above referenced site (Figure 1). The owner continues to utilize the services of Anson Environmental, Ltd. (AEL) to maintain the on-site remediation system. This report summarizes SVE system operations for the referenced period and summarizes the results of the SVE well pulsing program conducted from June 20, 2003 through August 7, 2003.

I. SVE Well Pulsing Summary

Well Pulsing Activities

The well-pulsing program consisted of three events of shutting down the remaining operating SVE wells (RW-3, FD-2 and B-3) for a two-week period and then returning the wells to service for a one-week period to determine if VOC concentrations from the individual wells increased above pre-shutdown concentrations or rebounded. During each pulsing event, individual extraction wells are monitored for volatile organic compounds (VOCs), using a calibrated Photoionization Device (PID). The table below summarizes the dates of the three pulses.

	Pulse 1	Pulse 2	Pulse 3
System Shutdown	6/9/03	6/30/03	7/24/03
Perc Badge Sampling	6/11/03	7/9/03	7/30/03
Groundwater Sampling	6/17/03	7/9/03	8/1/03
System Restoration	6/23/03	7/16/03	8/7/03

Perc Badge Sampling

As per the requirements of the NYSDEC and the New York State Department of Health (NYSDOH), perc badge sampling was implemented before the end of each pulsing round as

- In Imperial Cleaners, in the basement, above the floor drain.
- In Imperial Cleaners, in the basement, by the west side basement door.
- In Lake Success Deli, by the south side basement wall.
- In Lake Success Deli, by the north side basement wall.
- In Lake Success Deli, in the kitchen.
- In Tobacco Plaza, in the center portion of the basement
- In Tobacco Plaza, on the main floor by the phone.
- In Goodstein Reality, on the main floor by the reception desk.
- In Goodstein Reality, in the basement adjacent to the laundry machine.
- In the nail salon at 220 Lakeville Road, on the main floor by the couch.

In the previous well pulsing event of December 2002-February 2003, two perc badges were placed in "Here Comes The Bridesmaid" of 218 Lakeville Road. This establishment was not open during this round of well pulsing, hence no perc badges were placed in the facility.

Table 1 summarizes perc badge results for the six perc badge sample points in 2 and 4 University Place. The NYSDOH Ambient Air Guideline is established at 100 ug/m^3 . No sample point in either residence was higher than 6.6 ug/m^3 for any of the three pulses. Raw air sampling results are included in Appendix B.

There were several samples from the commercial properties at 218 Lakeville Road that yielded concentrations above 100 ug/m^3 . However, these results are not higher than the concentrations detected when the SVE system was operating. The Plural Air Space report (dated May 7, 2003), which investigated interconnections between the basements and ground floors of the tenants of 218 Lakeville Road, concluded that the PCE detected in the 218 Lakeville Rd building resulted from the storage of dry cleaned clothes at Imperial Cleaners.

Groundwater Sampling

Groundwater samples were collected from the five site monitoring wells during the three pulsing events. The wells were sampled during the second week of system shut down during each pulse. The sampling procedure was described in the work plan agreed upon with the NYSDEC. All groundwater samples were analyzed for VOCs via EPA Method 8260 with NYSDEC ASP Category B deliverable package. Appendix C contains analytical results of groundwater sampling prepared by Severn Trent Laboratories (STL) and L.A.B. Validation Corporation's independent validation of STLs procedures and results.

The results of the three sampling events indicated all five monitoring wells yielded concentrations below the RL for all parameters or a non-detect reading.

SVE Well Pulsing Conclusions

The pulsed wells meet the criteria for shut down, as:

- SVE system pulsing was successful for all three pulses, as there was no significant rebound of VOCs during any of the three pulsing events.
- All perc badges placed in residences registered perc levels more than an order of magnitude below NYSDOH ambient air quality guidelines. Perc badge sampling results for the commercial properties were in the same range as past sampling events, indicating that operation of the SVE system does not affect the PCE concentrations in the building. As mentioned in Walden's "Plural Air Space Investigation" report submitted to the NYSDEC on May 7, 2003, the storage of newly dry-cleaned clothes at Imperial Cleaners is the most likely source for the PCE detected.
- Groundwater analyses yielded non-detectable concentrations or below RL concentrations for all parameters for all three pulses.

II. O&M Summary

AEL visited 218 Lakeville Road on August 11 to monitor the SVE system and perform general operation and maintenance (O&M) on the system. AEL logged system parameters on a dedicated O&M log form, which is included in Appendix A. Work that was completed on-site during the visit is summarized as follows:

- All extraction wells were monitored for volatile organic compounds (VOCs), using a calibrated photo-ionization detector (PID). Graph 4 indicates PID recorded VOC concentrations in individual extraction wells.
- Vacuum readings from all on-site and off-site piezometers were recorded in the vadose zone to confirm the influence of vacuum from the SVE system. Vacuum readings were recorded with a Dwyer Mark III Series 475 digital manometer.
- AEL collected quantitative VOC air samples from influent and effluent GAC absorption system locations.

Carbon Drum Replacement

Qualitative VOC monitoring with a PID is utilized to record the performance of the GAC absorption system. This monitoring is done to check for signs of breakthrough in the first GAC absorption drum. PID-recorded VOCs and flow meter readings are summarized in Table 2. PID-recorded VOC concentrations (reported in calibrant-gas-equivalents) are used by AEL to determine when the primary GAC absorption drum requires replacement. AEL typically replaces the primary (influent) GAC drum when the intermediate VOC reading is 25% or greater of the influent VOC concentration. Graph 5 shows the trend of VOC concentrations from the three designated monitoring points: influent, intermediate and effluent. Carbon change-out did not occur during the monitoring period, as the intermediate VOC was only 12.5 percent of the influent VOC. Walden believes the Anson-recorded effluent VOC concentration was a calibration error of their PID. It is unclear how the effluent could have a significantly higher concentration of VOC than before the treatment of the second carbon drum. No individual contaminants were found in the laboratory analysis of the effluent stream. No waste drums were removed from the site during the monitoring period.

SVE Air Sampling

In accord with the NYSDEC request, air samples are collected from sampling ports on the influent and effluent sides of the GAC absorption drums using charcoal tube sampling media. These samples are collected for tetrachloroethylene analysis and its breakdown products including vinyl chloride. Two charcoal tubes are collected for each sample with the air volumes of one and fifteen liter(s). Metering valves control the sampling flow-rate through the tubes in accordance with NIOSH sampling protocols. The tubes are attached to each sampling location and the required flow/volume is passed through the sampling media. Once this is complete, each tube is then sealed and sent to Galson for desorption and analysis.

SVE Air Sampling Results

AEL collected SVE air samples following the previously described procedures from influent and effluent GAC absorption system locations. Samples were sent to Galson Laboratories and analyzed for tetrachloroethylene (PCE) and its breakdown compounds using the NIOSH methods 1003, 1007 and 1022. Two charcoal tubes were collected from each sampling location (one tube for NIOSH methods 1003 and 1022 and one tube for NIOSH method 1007).

SVE sampling results are tabulated in Table 3 and all laboratory data is set forth in Appendix D. The laboratory analytical data indicated detectable concentrations of PCE in the influent air stream of the GAC absorption system. No other compounds were detected from the influent and effluent air samples.

System Monitoring Results

In order to calculate the total mass of individual VOCs removed during the month of July, several system operational parameters must be known or assumed:

- GAC influent VOC concentrations reported by Galson Laboratories are assumed to have occurred during the entire monitoring period.
- Number of operational days during the monitoring period.
- Flow rate (cfm) for the monitoring period is considered constant.

These parameters combine to indicate that approximately 2.28 pounds of PCE (tetrachloroethylene) were removed from the subsurface during the monitoring period with an influent concentration of 18 mg/m³. This mass was calculated with a flow rate of 180 cfm and an operational period of 30 days.

There were no other compounds detected in the influent air stream at a concentration above 1 mg/m³. Table 4 summarizes monthly mass results of SVE influent VOCs. A total of approximately 578.5 pounds of PCE have been removed from the subsurface since system startup in January 2001. Graph 5 shows the trend of tetrachloroethylene removal on a monthly basis since startup.

All analytical results from the effluent air samples indicated non-detect readings. Table 5 summarizes the mass results of the SVE effluent VOCs during each monitoring period since system startup.

III. September Work Items

The following is a list of work that will be completed during the month of August:

- Operation and maintenance visit to monitor SVE system parameters.
- Monthly individual extraction well monitoring for VOC concentrations utilizing a calibrated PID.
- Monthly SVE radius of influence confirmation.
- Monthly quantitative SVE air sampling on influent and effluent GAC filtration system.

Very truly yours,

Walden Associates, Inc.
Environmental Consultants



Joseph M. Heaney III, PE
Principal

Att.

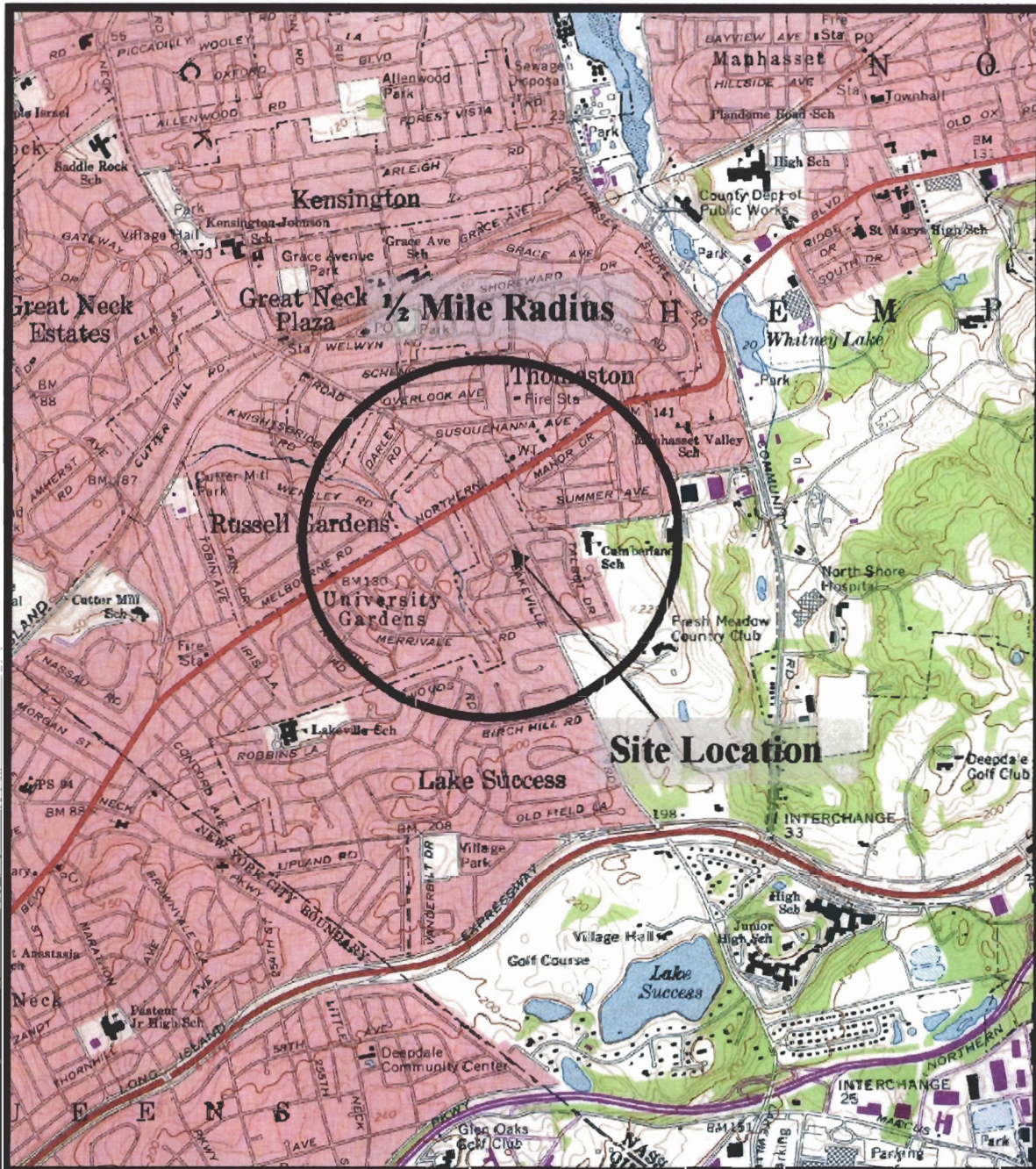
cc: K. Carpenter
M. Lesser, Esq.
G. Litwin (2 copies)
B. Mitchell
F. Werfel
M. Rubin, Esq.
D. Anson

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FIGURE 1

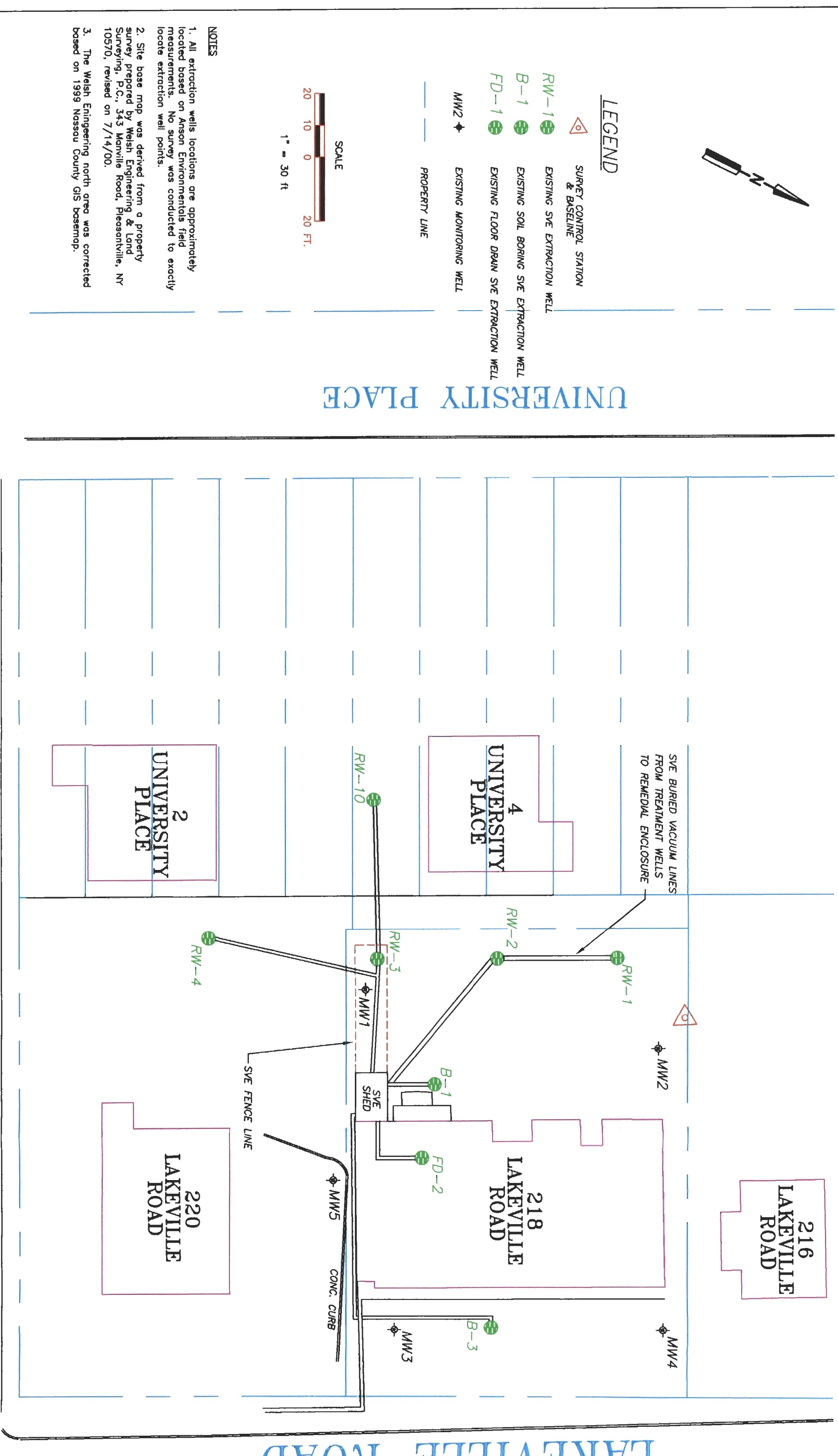
Imperial Cleaners
218 Lakeville Road
Lake Success, New York

LOCATION MAP



(USGS QUAD Sea Cliff, New York)

(Scale 1:24000)



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SOIL VAPOR EXTRACTION WELL LOCATIONS			
218 LAKEVILLE ROAD			
IMPERIAL CLEANERS			
LAKE SUCCESS, NEW YORK			
JOB #	FILE NAME	PLT DATE	W/NO
218 Lakeville	Fig-Extraction	W/NO	

Table 1

Tetrachloroethylene (PCE) Air Sampling Results Summary

		June 11, 2003 SVE Well Pulse 1	July 9, 2003 SVE Well Pulse 2	July 31, 2003 SVE Well Pulse 3
4 University Place				
	Main Floor	2.3	2.6	1.7
	Basement Bedroom	2.3	2.3	1.7
	Basement Furnace Room	2.1	2.6	1.7
	Basement Room Sump	1.4	2.1	1.2
2 University Place				
	First Floor, Kitchen	2.1	2.2	1.4
	Basement Bedroom - East	6.6	3.5	2.6

Notes:

1. All SVE wells RW-1, 2, 4 and B-3 were not operational during sampling.
2. NYS DOH Ambient Air Guideline is established at 100 ug/m3.

Table 2

VOC Concentrations and SVE Flow Readings

Date	Location ID	December-02 *		January-03 *		2/26/03		3/28/2003		4/18/2003		5/19/2003		7/23/2003		8/11/2003	
		ppm	cfm	ppm	cfm	ppm	cfm	ppm	cfm	ppm	cfm	ppm	cfm	ppm	cfm	ppm	cfm
Extraction well Location	RW-1	0.0	<10	0.0	<10	0.0	<1	0.0	<13	0.0	<10	0.0	10	0.0	<10	0	<10
	RW-2	0.0	<10	0.0	<10	0.0	<1	0.0	<13	0.0	<10	0.0	<10	0.0	<10	0	<10
	RW-3	1.6	59.2	1.6	55.4	1.7	41	1.3	52	1.1	52	1.1	57	0.0	60	4.1	65
	RW-4	0.0	3.7	0.0	<10	0.0	4	0.4	<13	0.0	<10	0.0	10	0.0	<10	0	<10
	RW-10	0.1	14.0	0.4	<10	0.0	8	0.0	<13	0.0	<10	0.0	10	0.0	<10	0	<10
	B-1	0.0	5.7	0.0	<10	0.1	4	0.0	13	0.2	13	0.0	10	0.0	<10	0	<10
	FD-2	0.7	50.7	1.4	49.0	0.1	52	0.0	46	0.2	47	2.0	44	0.0	52	2.3	52
	B-3	2.1	33.5	2.5	41.6	0.5	44	0.0	35	0.7	32	2.0	29	0.0	39	4.1	39
	GAC Influent	2.8	145	2.9	145	0.1	140	1.1	140	0.2	140	0.7	140	0.0	140	3.2	140
	GAC Intermediate	0.3	196	1.0	196	0.0	196	0.0	189	0.0	189	0.0	182	0.0	185	0.4	182
GAC	GAC Effluent	0.0	234	0.5	234	0.0	234	0.0	252	0.0	252	0.0	234	0.0	242	2.3	234

Note

All data was recorded by Anson Environmental, Ltd. of Huntington, New York.
 • - November and December 2002 and January 2003 values are averaged over the month.
 No sampling was performed in June 2003 due to miscommunication between Anson Environmental and Walden
 VOCs are measured in parts-per-million (calibrant gas equivalents).
 Flow is measured in cubic-feet-per-minute.

Table 3

Influent and Effluent SVE Air Sampling Results Summary

Compound	Influent	Effluent	Influent	Effluent	Influent	Effluent	Influent	Effluent	Influent	Effluent	Influent	Effluent
	12/17/02	12/17/02	1/31/03	1/31/03	2/26/03	2/26/03	3/28/03	3/28/03	4/18/03	4/18/03	5/19/03	5/19/03
	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
1,1,2 Trichloroethane	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
1,1 Dichloroethene	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
1,2 Dichloroethylene	<200	<200	<300 (1)	<200	<200	<200	<200	<200	<200	<200	<200	<200
Trichloroethylene	300	<300	500	<300	<300	<300	<300	<300	<300	<300	<300	<300
1,1,1 Trichloroethane	500	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300	<300
Tetrachloroethylene	5,700	<300	5,600	<300	<300	<300	900	<300	1,100	<300	1,100	<300
Vinyl Chloride	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000

Notes:

- 1, 2-Dichloroethylene was not analyzed and is assumed to be non-detect. Please note Galson Laboratories explanation in Appendix B of Walden Associates, Inc.'s January 2003 O&M Report.
- Vinyl Chloride was analyzed under NIOSH method 1007 utilizing a 1-liter air sample. All other compounds were analyzed under NIOSH methods 1003 and 1022 utilizing a 15-liter air sample.
- Samples were collected by Anson Environmental, Ltd. of Huntington, New York.
- Samples were analyzed by Galson Laboratories of East Syracuse, New York.
- ns - not sampled

Mass Summary of Influent SVE VOCs (lbs)

	1,2 Dichloroethylene	Trichloroethylene	Tetrachloroethylene	Vinyl Chloride	1,1 Dichloroethane	1,1,1 Trichloroethane	1,1,2 Trichloroethane
January-01 (1)	na	1.89	313.59	ND	ND	ND	ND
February-01 (1)	na	ND	7.09	ND	ND	ND	ND
March-01 (2)	np	np	60.38	np	np	np	np
April-01 (2)	np	np	32.46	np	np	np	np
May-01	0.64	0.59	83.79	ND	ND	ND	ND
June-01	0.10	0.05	7.39	ND	ND	ND	ND
July-01	ND	ND	5.84	ND	ND	ND	ND
August-01	ND	ND	3.43	ND	ND	ND	ND
September-01	ND	ND	4.70	ND	ND	ND	ND
October-01	0.17	ND	4.62	ND	ND	ND	ND
November-01	0.27	0.16	7.62	ND	ND	ND	ND
December-01	ND	ND	4.46	ND	ND	ND	ND
January-02	ND	ND	2.62	ND	ND	ND	ND
February-02	ND	ND	1.48	ND	ND	ND	ND
March-02	2.22	ND	0.93	ND	ND	ND	ND
April-02	ND	ND	2.38	ND	ND	ND	ND
May-02	0.12	ND	5.85	ND	ND	ND	ND
June-02	ND	ND	1.02	ND	ND	ND	ND
July-02	ND	ND	4.16	ND	ND	ND	ND
August-02	ND	ND	3.44	ND	ND	ND	ND
September-02	ND	ND	1.74	ND	ND	ND	ND
October-02	ND	0.17	3.51	ND	ND	0.17	ND
November-02	ND	ND	1.11	ND	ND	ND	ND
December-02	ND	0.16	3.11	ND	ND	0.27	ND
January-03	ND	0.27	3.06	ND	ND	ND	ND
February-03	ND	ND	ND	ND	ND	ND	ND
March-03	ND	ND	0.47	ND	ND	ND	ND
April-03	ND	ND	0.56	ND	ND	ND	ND
May-03	ND	ND	0.56	ND	ND	ND	ND
June-03	NA	NA	NA	NA	NA	NA	NA
July-03	0.32	0.02	4.98	ND	ND	ND	ND
August-03	ND	ND	3.04	ND	ND	ND	ND
Total	3.52	3.29	578.50	ND	ND	0.44	ND

(1) Samples were analyzed by Environmental Testing Laboratories, Inc. of Farmingdale, New York, using EPA Method 8260.

(2) No laboratory analytical data was collected. Air was periodically monitored for VOCs utilizing a Photovac 2020 PID.

Mass calculation correlates all P/D results to tetrachloroethylene.

Samples were analyzed by Galson Laboratories of East Syracuse, New York, using NIOSH method 1003, 1007 and 1022.

ND - Non-detect

na - not available

Table 5

Mass Summary of Effluent SVE VOCs (lbs)

	1,2 Dichloroethylene	Trichloroethylene	Tetrachloroethylene	Vinyl Chloride	1,1 Dichloroethane	1,1,1 Trichloroethane	1,1,2 Trichloroethane
January-01 (1)	na	1.12	134.46	ND	ND	ND	ND
February-01 (1)	na	ND	1.05	ND	ND	ND	ND
March-01 (2)	np	np	ND	np	np	np	np
April-01 (2)	np	np	0.51	np	np	np	np
May-01	ND	ND	ND	ND	ND	ND	ND
June-01	ND	ND	ND	ND	ND	ND	ND
July-01	ND	ND	ND	ND	ND	ND	ND
August-01	ND	ND	ND	ND	ND	ND	ND
September-02	ND	ND	ND	ND	ND	ND	ND
October-02	0.33	ND	ND	ND	ND	ND	ND
November-01	ND	ND	ND	ND	ND	ND	ND
December-01	ND	ND	ND	ND	ND	ND	ND
January-02	ND	ND	ND	ND	ND	ND	ND
February-02	ND	ND	ND	ND	ND	ND	ND
March-02	20.24	ND	ND	ND	ND	ND	ND
April-02	0.76	ND	ND	ND	ND	ND	ND
May-02	0.25	ND	ND	ND	ND	ND	ND
June-02	ND	ND	ND	ND	ND	ND	ND
July-02	ND	ND	ND	ND	ND	ND	ND
August-02	ND	ND	ND	ND	ND	ND	ND
September-02	ND	ND	ND	ND	ND	ND	ND
October-02	ND	ND	ND	ND	ND	ND	ND
November-02	ND	ND	ND	ND	ND	ND	ND
December-02	ND	ND	ND	ND	ND	ND	ND
January-03	ND	ND	ND	ND	ND	ND	ND
February-03	ND	ND	ND	ND	ND	ND	ND
March-03	ND	ND	ND	ND	ND	ND	ND
April-03	ND	ND	ND	ND	ND	ND	ND
May-03	ND	ND	ND	ND	ND	ND	ND
June-03	NA	NA	NA	NA	NA	NA	NA
July-03	np	ND	ND	ND	ND	ND	ND
August-03	ND	ND	ND	ND	ND	ND	ND

Notes:

(1) Samples were analyzed by Environmental Testing Laboratories, Inc. of Farmingdale, New York, using EPA Method 8260.

(2) No laboratory analytical data was collected. Air was periodically monitored for VOCs utilizing a Photovac 2020 PID.

Mass calculation correlates all PID results to tetrachloroethylene.

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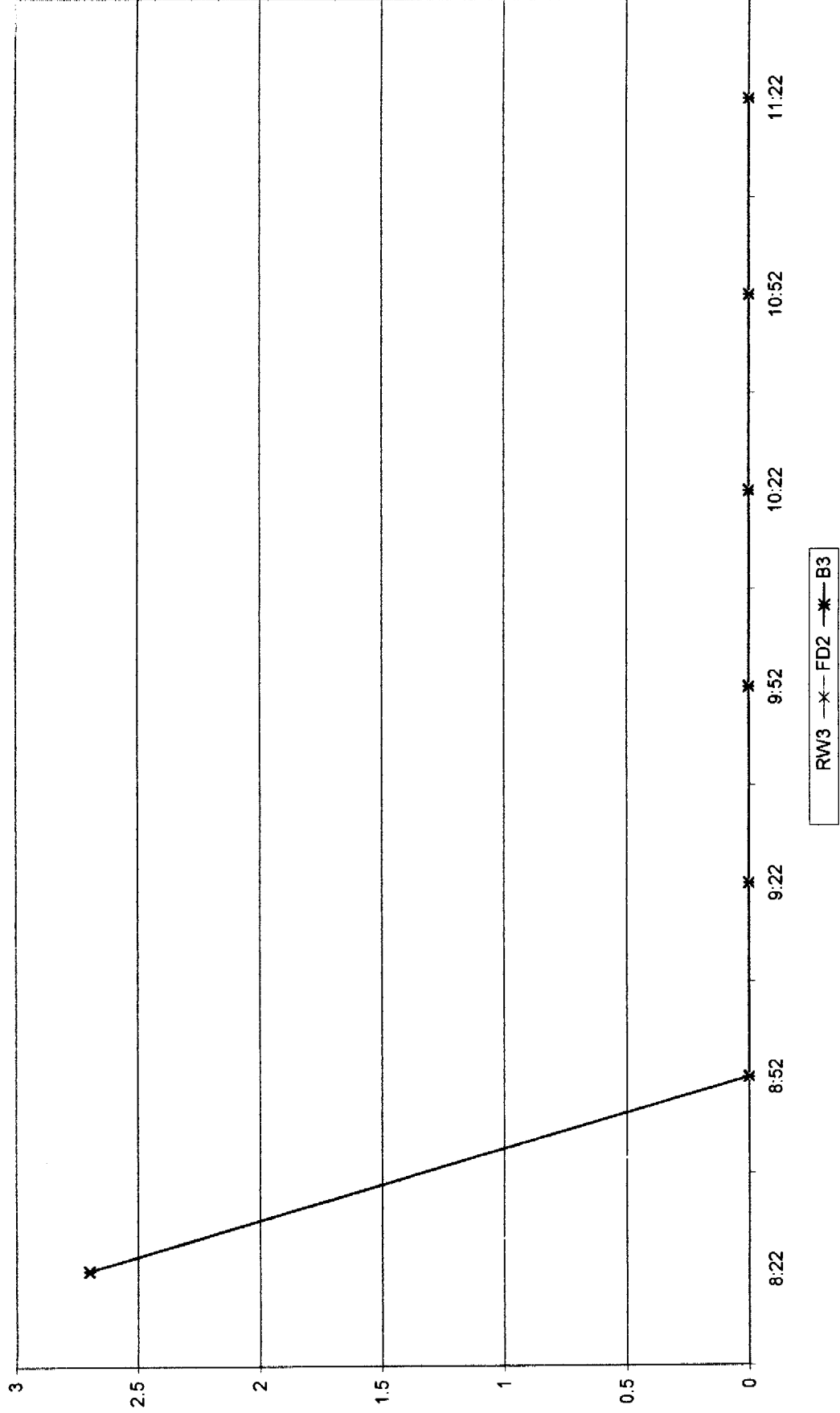
ND - Non-detect

na - not available

np - not applicable

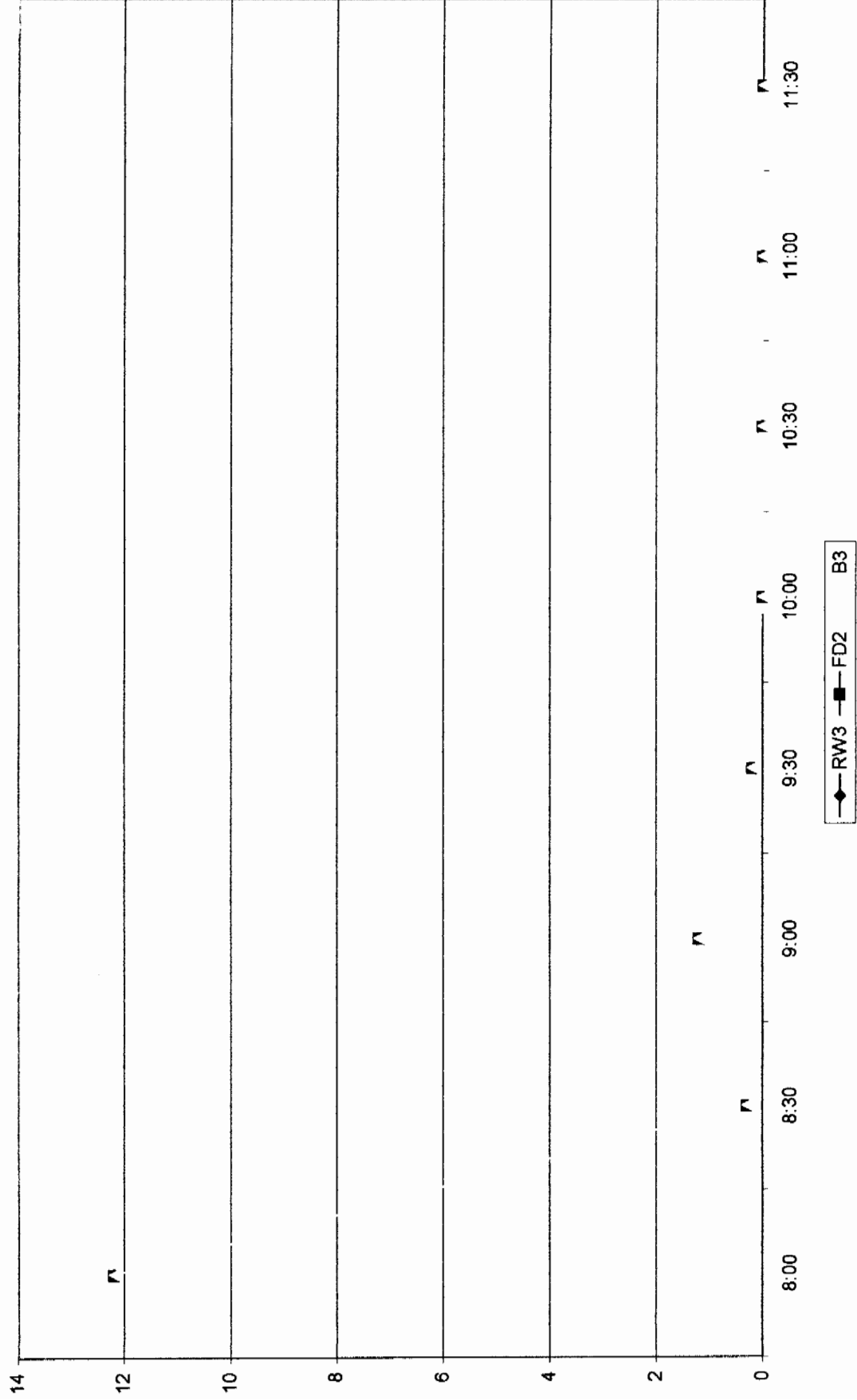
Graph 1

Restoration of Individual Extraction Wells, Pulse I



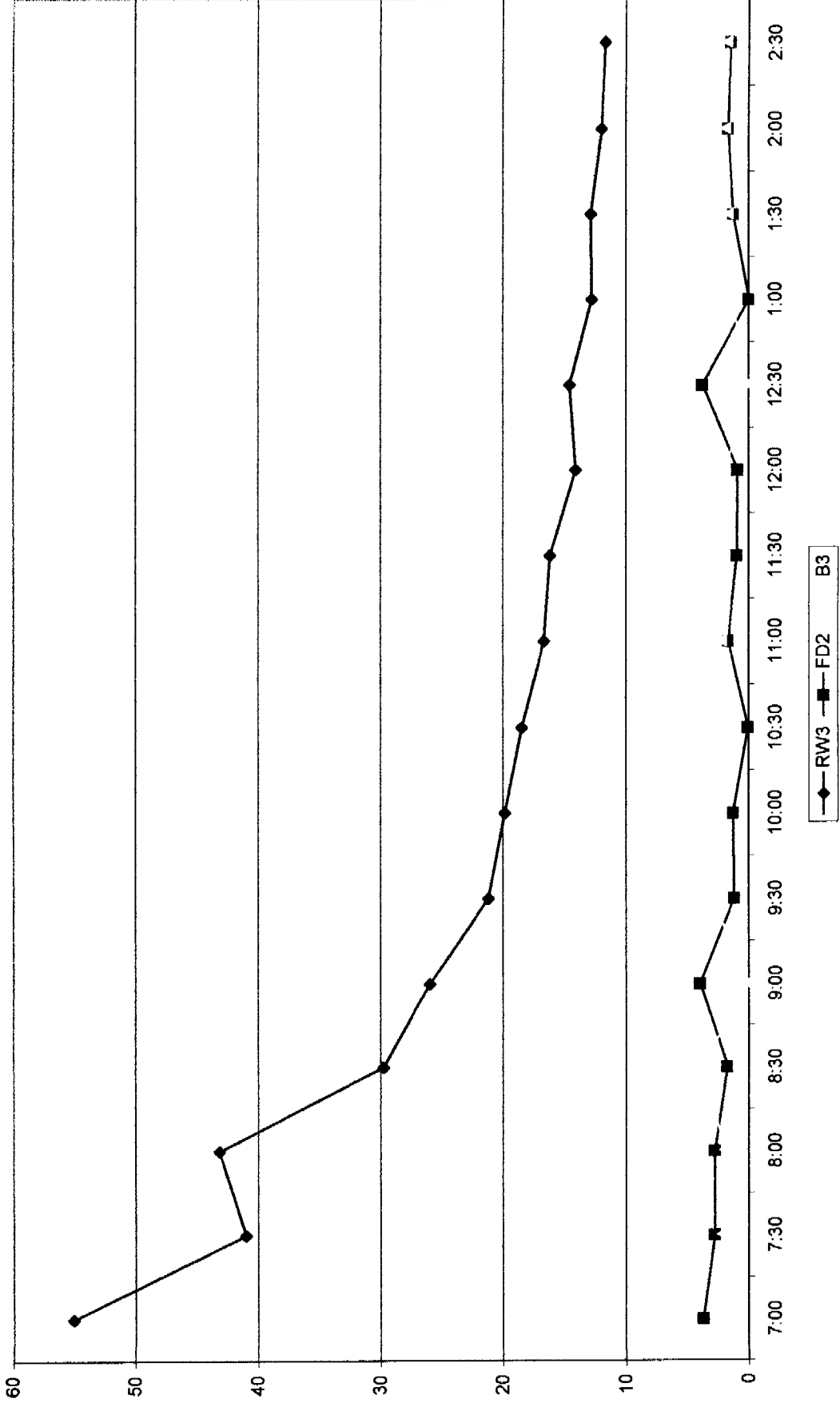
Graph 2

Restoration of Individual Extraction Wells, Pulse 2



Graph 3

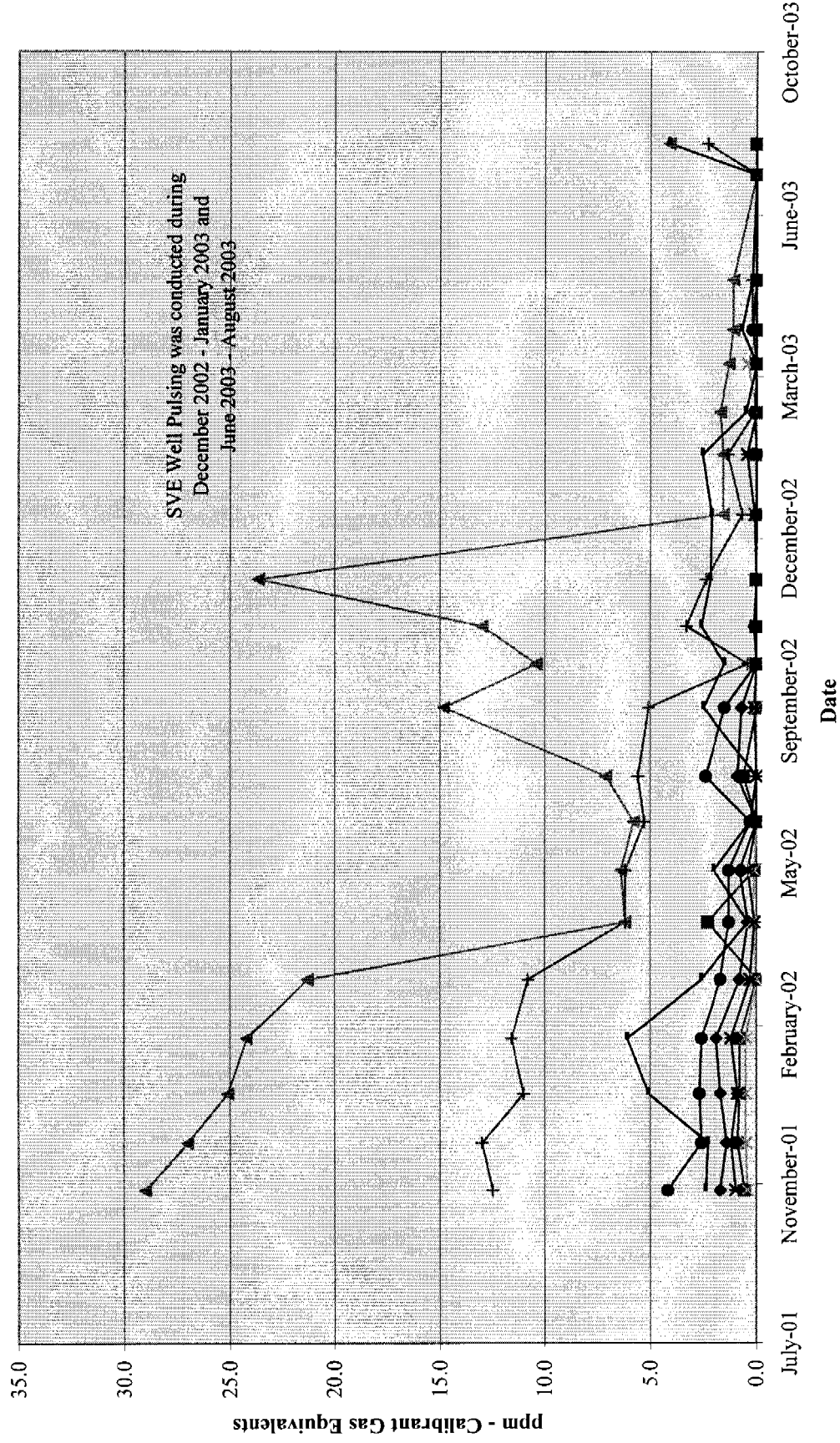
Restoration of Individual Extraction Wells, Pulse 3



Imperial Cleaners
 218 Lakeville Road
 Lake Success, New York

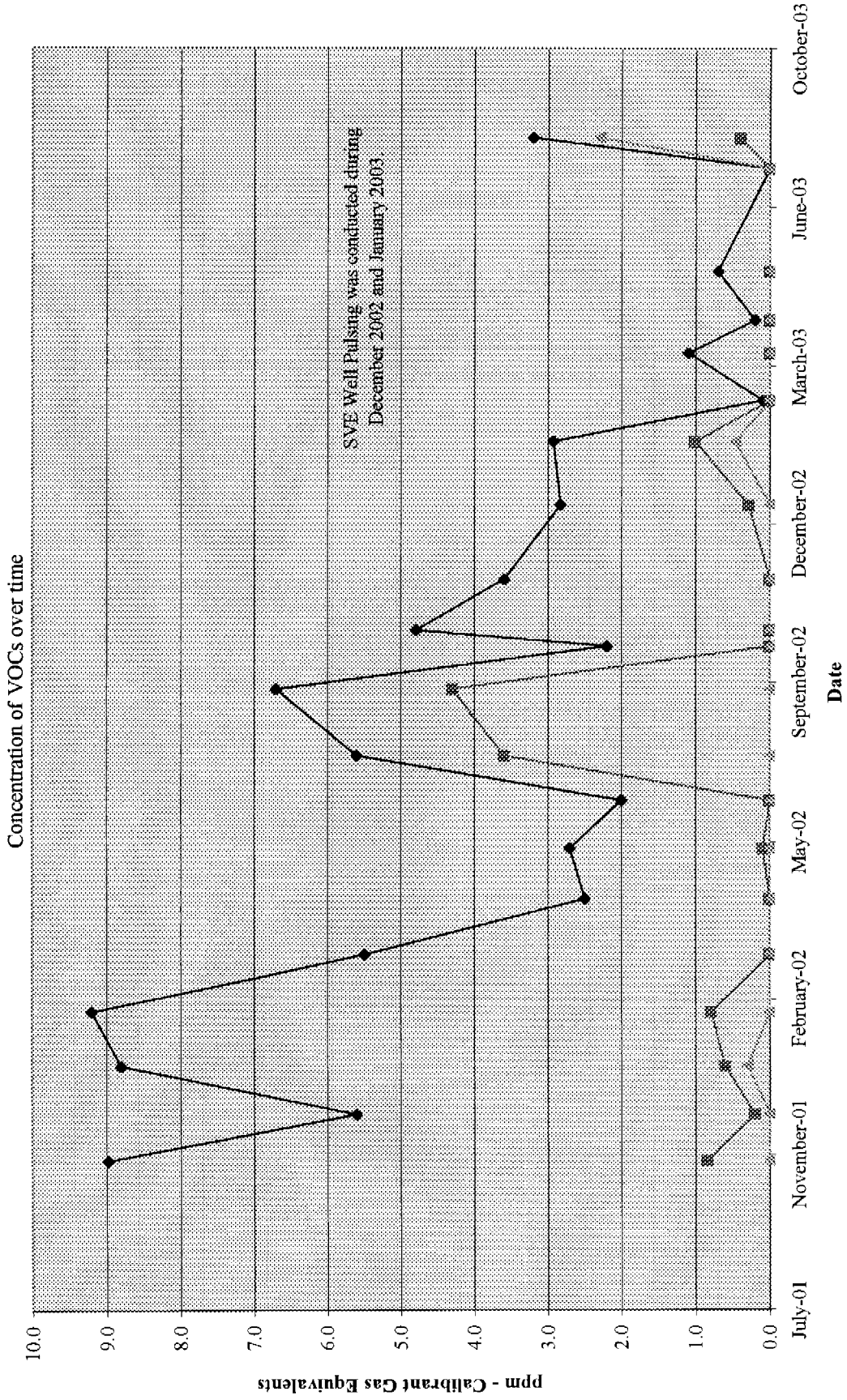
Graph 4

Extraction Well VOC Concentrations



Note: Background concentrations
 range from 0.1 to 1.0 ppm

Graph 5

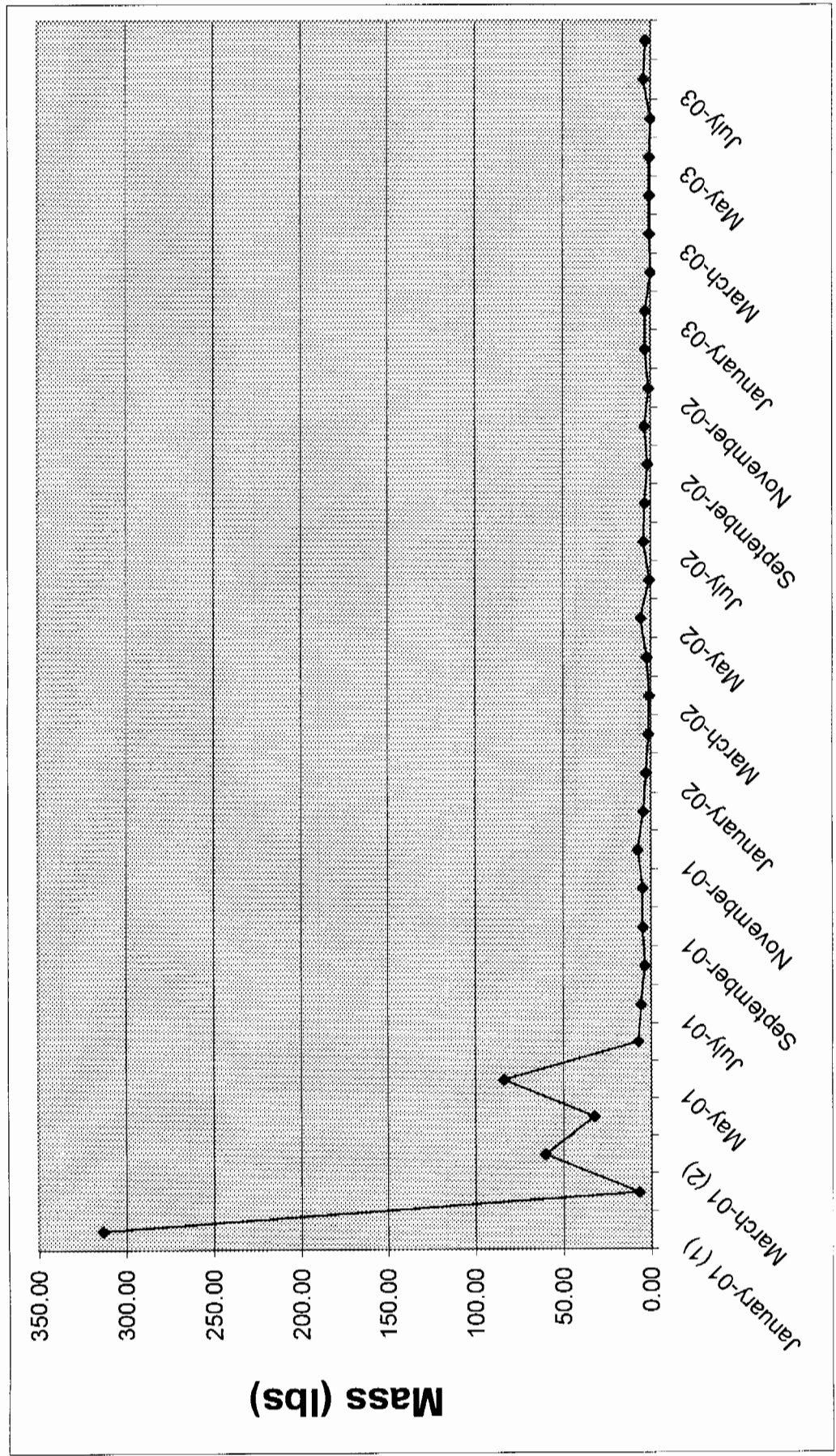


Note: Background concentrations range
from 0.1 to 1.0 ppm

Imperial Cleaners
218 Lakeville Road
Lake Success, New York

Graph 6

Mass of Tetrachloroethylene (lbs)



Appendix A

Operation and Maintenance Forms
June - August 2003



WALDEN ASSOCIATES, INC.

**218 LAKEVILLE ROAD
LAKE SUCCESS, NEW YORK**

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date 6/10

Inspected By: STB - NSA

Control Panel	Arrival	Departure
System	On / Off	On / Off

1st step of well pump

SVE SYSTEM INSIDE TRAILER	
Was Moisture Separator Emptied?	Yes / No
Moisture Disposal Drum	F / 75 / 50 / 25 / E
SVE Relief Valve	Open / <u>Closed</u>

*250
60
35*

SVE WELL READINGS (INSIDE TRAILER)				
SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve
RW-1	cfm	ppm	inches of Water	O / 50 / <u>C</u>
RW-2	cfm	ppm	inches of Water	O / 50 / <u>C</u>
RW-3	<u>60</u> cfm	<u>0</u> ppm	<u>23</u> inches of Water	<u>O</u> / 50 / C
RW-4	cfm	ppm	inches of Water	O / 50 / <u>C</u>
RW-10	cfm	ppm	inches of Water	O / 50 / <u>C</u>
B-1	cfm	ppm	inches of Water	O / 50 / <u>C</u>
FD-2	<u>54</u> cfm	<u>0</u> ppm	<u>29</u> inches of Water	<u>O</u> / 50 / C
B-3	<u>3.9</u> cfm	<u>0.1</u> ppm	<u>27</u> inches of Water	<u>O</u> / 50 / C

SVE SYSTEM FLOW				
	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum				<u>50</u> inch of Water
Pressure		<u>1</u> psi		
Flow	<u>140</u> cfm	<u>180</u> cfm	<u>240</u> cfm	

CARBON SYSTEM				
	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	<u>1.3</u> ppm	<u>0.3</u> ppm	<u>0.1</u> ppm	
Temp	<u>82</u> degrees F	<u>82</u> degrees F	<u>82</u> degrees F	<u>all same</u>

SVE Radius of Influence				
Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1		PZ-1		
P-2		PZ-2		
P-4		PZ-3		
P-5		PZ-4		
P-6		PZ-5		
		PZ-6		

**218 LAKEVILLE ROAD
LAKE SUCCESS, NEW YORK**

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date 6/23

Inspected By: NSB

8:22 a.m

Control Panel	Arrival	Departure
System	<u>On</u> / Off	<u>On</u> / Off

SVE SYSTEM INSIDE TRAILER	
Was Moisture Separator Emptied?	<u>Yes</u> / No
Moisture Disposal Drum	F / 75 / 50 / 25 / <u>E</u>
SVE Relief Valve	Open / <u>Closed</u>

SVE WELL READINGS (INSIDE TRAILER)				
SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve
RW-1	— cfm	— ppm	— inches of Water	O / 50 / <u>C</u>
RW-2	— cfm	— ppm	— inches of Water	O / 50 / <u>C</u>
RW-3	<u>62</u> cfm	<u>1.2</u> ppm	<u>20</u> inches of Water	<u>O</u> / 50 / C
RW-4	— cfm	— ppm	— inches of Water	O / 50 / <u>C</u>
RW-10	— cfm	— ppm	— inches of Water	O / 50 / <u>C</u>
B-1	— cfm	— ppm	— inches of Water	O / 50 / <u>C</u>
FD-2	<u>53</u> cfm	<u>1.5</u> ppm	<u>24</u> inches of Water	<u>O</u> / 50 / C
B-3	<u>40</u> ~~74~~ cfm	<u>0</u> ppm	<u>2</u> inches of Water	<u>O</u> / 50 / C

SVE SYSTEM FLOW				
	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum				<u>50</u> inch of Water
Pressure		<u>12.7</u> psi		
Flow	<u>140</u> cfm	<u>175</u> cfm	<u>240</u> cfm	

CARBON SYSTEM				
	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	<u>12.7</u> ppm	<u>0.0</u> ppm	<u>0.0</u> ppm	
Temp	<u>70</u> degrees F	<u>70</u> degrees F	<u>70</u> degrees F	

SVE Radius of Influence				
Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1		PZ-1		
P-2		PZ-2		
P-4		PZ-3		
P-5		PZ-4		
P-6		PZ-5		
		PZ-6		

218 LAKEVILLE ROAD
LAKE SUCCESS, NEW YORK

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date 6/23

Inspected By: NSB

8:52

Control Panel	Arrival	Departure
System	On / Off	On / Off

SVE SYSTEM INSIDE TRAILER

Was Moisture Separator Emptied?	Yes / No
Moisture Disposal Drum	F / 75 / 50 / 25 / <u>E</u>
SVE Relief Valve	Open / <u>Closed</u>

SVE WELL READINGS (INSIDE TRAILER)

SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve
RW-1	/ cfm	/ ppm	/ inches of Water	O / 50 / <u>C</u>
RW-2	/ cfm	/ ppm	/ inches of Water	O / 50 / <u>C</u>
RW-3	62 cfm	0.0 ppm	24 inches of Water	<u>O</u> / 50 / C
RW-4	/ cfm	/ ppm	/ inches of Water	O / 50 / <u>C</u>
RW-10	/ cfm	/ ppm	/ inches of Water	O / 50 / <u>C</u>
B-1	/ cfm	/ ppm	/ inches of Water	O / 50 / <u>C</u>
FD-2	54 cfm	0 ppm	25 inches of Water	<u>O</u> / 50 / C
B-3	40 cfm	0 ppm	23 inches of Water	<u>O</u> / 50 / C

SVE SYSTEM FLOW

	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum				50 inch of Water
Pressure				
Flow	140 cfm	185 cfm	240 cfm	

CARBON SYSTEM

	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	6.6 ppm	0 ppm	0 ppm	
Temp	72 degrees F	72 degrees F	72 degrees F	

SVE Radius of Influence

Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1		PZ-1		
P-2		PZ-2		
P-4		PZ-3		
P-5		PZ-4		
P-6		PZ-5		
		PZ-6		

218 LAKEVILLE ROAD
LAKE SUCCESS, NEW YORK

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date 6/23

Inspected By: NSB 9:22

Control Panel	Arrival	Departure
System	<u>On</u> / Off	<u>On</u> / Off

SVE SYSTEM INSIDE TRAILER

Was Moisture Separator Emptied?	<u>Yes</u> / No
Moisture Disposal Drum	F / 75 / 50 / 25 <u>B</u>
SVE Relief Valve	Open <u>Closed</u>

SVE WELL READINGS (INSIDE TRAILER)

SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve
RW-1	/ cfm	/ ppm	/ inches of Water	O / 50 / <u>C</u>
RW-2	/ cfm	/ ppm	/ inches of Water	O / 50 / <u>O</u>
RW-3	58 cfm	0 ppm	23 inches of Water	<u>O</u> / 50 / C
RW-4	/ cfm	/ ppm	/ inches of Water	O / 50 <u>C</u>
RW-10	/ cfm	/ ppm	/ inches of Water	O / 50 <u>C</u>
B-1	/ cfm	/ ppm	/ inches of Water	O / 50 <u>C</u>
FD-2	55 cfm	0 ppm	25 inches of Water	<u>O</u> / 50 / C
B-3	40 cfm	0 ppm	23 inches of Water	<u>O</u> / 50 / C

SVE SYSTEM FLOW

	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum				50 inch of Water
Pressure		/ psi		
Flow	140 cfm	140 cfm	140 cfm	

CARBON SYSTEM

	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	4.1 ppm	0 ppm	0 ppm	
Temp	0 degrees F	0 degrees F	0 degrees F	

SVE Radius of Influence

Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1		PZ-1		
P-2		PZ-2		
P-4		PZ-3		
P-5		PZ-4		
P-6		PZ-5		
		PZ-6		

218 LAKEVILLE ROAD
LAKE SUCCESS, NEW YORK

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date 6/23

Inspected By: NSB

9:52

Control Panel	Arrival	Departure
System	<u>On</u> / Off	<u>On</u> / Off

SVE SYSTEM INSIDE TRAILER

Was Moisture Separator Emptied?	<u>Yes</u> / No
Moisture Disposal Drum	F / 75 / 50 / 25 <u>E</u>
SVE Relief Valve	Open / <u>Closed</u>

SVE WELL READINGS (INSIDE TRAILER)

SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve
RW-1	<u> </u> cfm	<u> </u> ppm	<u> </u> inches of Water	<u>O</u> / 50 / <u>9</u>
RW-2	<u> </u> cfm	<u> </u> ppm	<u> </u> inches of Water	<u>O</u> / 50 / <u>10</u>
RW-3	<u>57</u> cfm	<u>0</u> ppm	<u>23</u> inches of Water	<u>10</u> / 50 / <u>C</u>
RW-4	<u> </u> cfm	<u> </u> ppm	<u> </u> inches of Water	<u>O</u> / 50 / <u>C</u>
RW-10	<u> </u> cfm	<u> </u> ppm	<u> </u> inches of Water	<u>O</u> / 50 / <u>C</u>
B-1	<u> </u> cfm	<u> </u> ppm	<u> </u> inches of Water	<u>O</u> / 50 / <u>C</u>
FD-2	<u>55</u> cfm	<u>9</u> ppm	<u>26</u> inches of Water	<u>10</u> / 50 / <u>C</u>
B-3	<u>39</u> cfm	<u>0</u> ppm	<u>23</u> inches of Water	<u>10</u> / 50 / <u>C</u>

SVE SYSTEM FLOW

	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum	<u> </u>	<u> </u>	<u> </u>	<u>52</u> inches of Water
Pressure	<u> </u>	<u> </u> psi	<u> </u>	<u> </u>
Flow	<u>140</u> cfm	<u>140</u> cfm	<u>140</u> cfm	<u> </u>

CARBON SYSTEM

	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	<u>2.4</u> ppm	<u>0</u> ppm	<u>1</u> ppm	
Temp	<u>72</u> degrees F	<u>72</u> degrees F	<u>72</u> degrees F	

SVE Radius of Influence

Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1		PZ-1		
P-2		PZ-2		
P-4		PZ-3		
P-5		PZ-4		
P-6		PZ-5		
		PZ-6		

218 LAKEVILLE ROAD
LAKE SUCCESS, NEW YORK

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date

6/23

Inspected By:

NSB

10:22

Control Panel	Arrival	Departure
System	On / Off	On / Off

SVE SYSTEM INSIDE TRAILER

Was Moisture Separator Emptied?	Yes / No
Moisture Disposal Drum	F / 75 / 50 / 25 / E
SVE Relief Valve	Open / Closed

SVE WELL READINGS (INSIDE TRAILER)

SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve
RW-1	cfm	ppm	inches of Water	O / 50 / C
RW-2	cfm	ppm	inches of Water	O / 50 / C
RW-3	60 cfm	2 ppm	23 inches of Water	O / 50 / C
RW-4	cfm	ppm	inches of Water	O / 50 / C
RW-10	cfm	ppm	inches of Water	O / 50 / C
B-1	cfm	ppm	inches of Water	O / 50 / C
FD-2	55 cfm	0 ppm	28 inches of Water	O / 50 / C
B-3	40 cfm	0 ppm	25 inches of Water	O / 50 / C

SVE SYSTEM FLOW

	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum				51 inch of Water
Pressure		psi		
Flow	140 cfm	180 cfm	240 cfm	

CARBON SYSTEM

	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	1.6 ppm	0 ppm	0 ppm	
Temp	72 degrees F	72 degrees F	72 degrees F	

SVE Radius of Influence

Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1		PZ-1		
P-2		PZ-2		
P-4		PZ-3		
P-5		PZ-4		
P-6		PZ-5		
		PZ-6		

218 LAKEVILLE ROAD
LAKE SUCCESS, NEW YORK

10:52

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date 6/23

Inspected By: NSD

+3 hrs

Control Panel	Arrival	Departure
System	On / Off	On / Off

SVE SYSTEM INSIDE TRAILER

Was Moisture Separator Emptied?	Yes / No
Moisture Disposal Drum	F / 75 / 50 / 25 / E
SVE Relief Valve	Open / Closed

SVE WELL READINGS (INSIDE TRAILER)

SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve
RW-1	cfm	ppm	inches of Water	O / 50 / C
RW-2	cfm	ppm	inches of Water	O / 50 / C
RW-3	60 cfm	0 ppm	24 inches of Water	O / 50 / C
RW-4	cfm	ppm	inches of Water	O / 50 / C
RW-10	cfm	ppm	inches of Water	O / 50 / C
B-1	cfm	ppm	inches of Water	O / 50 / C
FD-2	55 cfm	0 ppm	28 inches of Water	O / 50 / C
B-3	46 cfm	0 ppm	23 inches of Water	O / 50 / C

SVE SYSTEM FLOW

	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum				50 inch of Water
Pressure		psi		
Flow	142 cfm	192 cfm	240 cfm	

CARBON SYSTEM

	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	0.3 ppm	0 ppm	0 ppm	
Temp	72 degrees F	72 degrees F	72 degrees F	

SVE Radius of Influence

Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1		PZ-1		
P-2		PZ-2		
P-4		PZ-3		
P-5		PZ-4		
P-6		PZ-5		
		PZ-6		

218 LAKEVILLE ROAD
LAKE SUCCESS, NEW YORK

11:22

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date 6/23

Inspected By: NSB

Control Panel	Arrival	Departure
System	On / Off	On / Off

SVE SYSTEM INSIDE TRAILER

Was Moisture Separator Emptied?	Yes / No
Moisture Disposal Drum	F / 75 / 50 / 25 / E
SVE Relief Valve	Open / Closed

SVE WELL READINGS (INSIDE TRAILER)

SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve
RW-1	— cfm	— ppm	— inches of Water	O / 50 / C
RW-2	— cfm	— ppm	— inches of Water	O / 50 / C
RW-3	60 cfm	0 ppm	22 inches of Water	O / 50 / C
RW-4	— cfm	— ppm	— inches of Water	O / 50 / C
RW-10	— cfm	— ppm	— inches of Water	O / 50 / C
B-1	— cfm	— ppm	— inches of Water	O / 50 / C
FD-2	55 cfm	0 ppm	26 inches of Water	O / 50 / C
B-3	40 cfm	0 ppm	23 inches of Water	O / 50 / C

SVE SYSTEM FLOW

	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum				90 inch of Water
Pressure		— psi		
Flow	140 cfm	175 cfm	225 cfm	

CARBON SYSTEM

	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	0 ppm	0 ppm	0 ppm	
Temp	72 degrees F	72 degrees F	72 degrees F	

SVE Radius of Influence

Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1		PZ-1		
P-2		PZ-2		
P-4		PZ-3		
P-5		PZ-4		
P-6		PZ-5		
		PZ-6		

218 LAKEVILLE ROAD
LAKE SUCCESS, NEW YORK

11:52

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date 6/23

Inspected By: NSB

Control Panel	Arrival	Departure
System	On / Off	On / Off

SVE SYSTEM INSIDE TRAILER	
Was Moisture Separator Emptied?	<u>Yes</u> / No
Moisture Disposal Drum	F / 75 / 50 / 25 <u>(E)</u>
SVE Relief Valve	Open / <u>Closed</u>

SVE WELL READINGS (INSIDE TRAILER)					
SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve	
RW-1	<u>—</u> cfm	<u>—</u> ppm	<u>—</u> inches of Water	O / 50 <u>(C)</u>	
RW-2	<u>—</u> cfm	<u>—</u> ppm	<u>—</u> inches of Water	O / 50 <u>(C)</u>	
RW-3	<u>58</u> cfm	<u>0</u> ppm	<u>23</u> inches of Water	<u>(O)</u> 50 / C	
RW-4	<u>—</u> cfm	<u>—</u> ppm	<u>—</u> inches of Water	O / 50 <u>(C)</u>	
RW-10	<u>—</u> cfm	<u>—</u> ppm	<u>—</u> inches of Water	O / 50 <u>(C)</u>	
B-1	<u>—</u> cfm	<u>—</u> ppm	<u>—</u> inches of Water	O / 50 <u>(C)</u>	
FD-2	<u>54</u> cfm	<u>0</u> ppm	<u>24</u> inches of Water	<u>(O)</u> 50 / C	
B-3	<u>40</u> cfm	<u>0</u> ppm	<u>23</u> inches of Water	<u>(O)</u> 50 / C	

SVE SYSTEM FLOW				
	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum				inch of Water
Pressure		<u>—</u> psi		
Flow	<u>140</u> cfm	<u>140</u> cfm	<u>240</u> cfm	

CARBON SYSTEM				
	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	<u>0</u> ppm	<u>0</u> ppm	<u>0</u> ppm	
Temp	<u>72</u> degrees F	<u>72</u> degrees F	<u>72</u> degrees F	

SVE Radius of Influence				
Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1		PZ-1		
P-2		PZ-2		
P-4		PZ-3		
P-5		PZ-4		
P-6		PZ-5		
		PZ-6		

Appendix F, Part 2

Pulse 2 Operation and Maintenance Log Forms

Pay 1,
Pulse #2

218 LAKEVILLE ROAD
LAKE SUCCESS, NEW YORK

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date 6/30/03

Inspected By: MSB & JEL

Control Panel	Arrival	Departure
System	On / Off	On / Off

SVE SYSTEM INSIDE TRAILER

Was Moisture Separator Emptied?	Yes / No
Moisture Disposal Drum	F / 75 / 50 / 25 / E
SVE Relief Valve	Open / Closed

SVE WELL READINGS (INSIDE TRAILER)

SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve
RW-1	— cfm	— ppm	— inches of Water	O / 50 / C
RW-2	— cfm	— ppm	— inches of Water	O / 50 / C
RW-3	62 cfm	0.2 ppm	21 inches of Water	O / 50 / C
RW-4	— cfm	— ppm	— inches of Water	O / 50 / C
RW-10	— cfm	— ppm	— inches of Water	O / 50 / C
B-1	— cfm	— ppm	— inches of Water	O / 50 / C
FD-2	54 cfm	0.1 ppm	27 inches of Water	O / 50 / C
B-3	39 cfm	0 ppm	25 inches of Water	O / 50 / C

SVE SYSTEM FLOW

	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum				50 inch of Water
Pressure				
Flow	140 cfm	180 cfm	225 cfm	

CARBON SYSTEM

	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	10.5 ppm	— ppm	— ppm	
Temp	75 degrees F	75 degrees F	75 degrees F	

SVE Radius of Influence

Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1		PZ-1		
P-2		PZ-2		
P-4		PZ-3		
P-5		PZ-4		
P-6		PZ-5		
		PZ-6		

84.12 +030 218 LAKEVILLE ROAD
LAKE SUCCESS, NEW YORK

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date 7/14

Inspected By: NJB

Control Panel	Arrival	Departure
System	On <u>Off</u>	<u>On</u> / Off

SVE SYSTEM INSIDE TRAILER

Was Moisture Separator Emptied?	<u>Yes</u> / No
Moisture Disposal Drum	F / 75 / 50 / 25 / <u>E</u>
SVE Relief Valve	Open / <u>Closed</u>

SVE WELL READINGS (INSIDE TRAILER)

SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve
RW-1	<u>/</u> cfm	<u>/</u> ppm	<u>/</u> inches of Water	O / 50 <u>C</u>
RW-2	<u>/</u> cfm	<u>/</u> ppm	<u>/</u> inches of Water	O / 50 <u>C</u>
RW-3	<u>68</u> cfm	<u>0</u> ppm	<u>20</u> inches of Water	<u>0</u> / 50 / C
RW-4	<u>/</u> cfm	<u>/</u> ppm	<u>/</u> inches of Water	O / 50 <u>C</u>
RW-10	<u>/</u> cfm	<u>/</u> ppm	<u>/</u> inches of Water	O / 50 <u>C</u>
B-1	<u>/</u> cfm	<u>/</u> ppm	<u>/</u> inches of Water	O / 50 <u>C</u>
FD-2	<u>52</u> cfm	<u>0</u> ppm	<u>23</u> inches of Water	<u>0</u> / 50 / C
B-3	<u>39</u> cfm	<u>0</u> ppm	<u>22</u> inches of Water	<u>0</u> / 50 / C

SVE SYSTEM FLOW

	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum				<u>49</u> inch of Water
Pressure				
Flow	<u>140</u> cfm	<u>190</u> cfm	<u>240</u> cfm	

CARBON SYSTEM

	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	<u>535</u> ppm	<u>13.1</u> ppm	<u>0</u> ppm	
Temp	<u>75</u> degrees F	<u>75</u> degrees F	<u>75</u> degrees F	

SVE Radius of Influence

Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1		PZ-1		
P-2		PZ-2		
P-4		PZ-3		
P-5		PZ-4		
P-6		PZ-5		
		PZ-6		

8:30
+ 1hr

218 LAKEVILLE ROAD
LAKE SUCCESS, NEW YORK

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date 7/14

Inspected By: NSB

Control Panel	Arrival	Departure
System	On / Off	On / Off

SVE SYSTEM INSIDE TRAILER	
Was Moisture Separator Emptied?	Yes / No
Moisture Disposal Drum	F / 75 / 50 / 25 / (E)
SVE Relief Valve	Open / Closed

SVE WELL READINGS (INSIDE TRAILER)					
SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve	
RW-1	cfm	ppm	inches of Water	O / 50	
RW-2	cfm	ppm	inches of Water	O / 50	
RW-3	66 cfm	2000 ppm	21 inches of Water	O / 50 / C	
RW-4	cfm	ppm	inches of Water	O / 50	
RW-10	cfm	ppm	inches of Water	O / 50	
B-1	cfm	ppm	inches of Water	O / 50	
FD-2	51 cfm	490 ppm	25 inches of Water	O / 50 / C	
B-3	39 cfm	101 ppm	22 inches of Water	O / 50 / C	

SVE SYSTEM FLOW				
	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum				54 inch of Water
Pressure		psi		
Flow	140 cfm	140 cfm	240 cfm	

CARBON SYSTEM				
	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	1440 ppm	0 ppm	0 ppm	
Temp	75 degrees F	75 degrees F	75 degrees F	

SVE Radius of Influence				
Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1		PZ-1		
P-2		PZ-2		
P-4		PZ-3		
P-5		PZ-4		
P-6		PZ-5		
		PZ-6		

7/14

218 LAKEVILLE ROAD
LAKE SUCCESS, NEW YORK

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date 9:00 a.m. + 1.5 hr Inspected By: NSB

Control Panel	Arrival	Departure
System	On / <u>Off</u>	<u>On</u> / Off

SVE SYSTEM INSIDE TRAILER

Was Moisture Separator Emptied?	<u>Yes</u> / No
Moisture Disposal Drum	F / 75 / 50 / 25 / <u>E</u>
SVE Relief Valve	Open / <u>Closed</u>

SVE WELL READINGS (INSIDE TRAILER)

SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve
RW-1	— cfm	— ppm	— inches of Water	O / 50 / <u>C</u>
RW-2	— cfm	— ppm	— inches of Water	O / 50 / <u>C</u>
RW-3	70 cfm	1270 ppm	20 inches of Water	<u>O</u> / 50 / C
RW-4	— cfm	— ppm	— inches of Water	O / 50 / <u>C</u>
RW-10	— cfm	— ppm	— inches of Water	O / 50 / <u>C</u>
B-1	— cfm	— ppm	— inches of Water	O / 50 / <u>C</u>
FD-2	52 cfm	93 ppm	23 inches of Water	<u>O</u> / 50 / C
B-3	40 cfm	200 ppm	20 inches of Water	<u>O</u> / 50 / C

SVE SYSTEM FLOW

	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum				49 inch of Water
Pressure		— psi		
Flow	140 cfm	150 cfm	230 cfm	

CARBON SYSTEM

	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	1500 ppm	0 ppm	0 ppm	
Temp	75 degrees F	75 degrees F	75 degrees F	

SVE Radius of Influence

Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1		PZ-1		
P-2		PZ-2		
P-4		PZ-3		
P-5		PZ-4		
P-6		PZ-5		
		PZ-6		

9:30

+2hr

218 LAKEVILLE ROAD
LAKE SUCCESS, NEW YORK

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date 7/14Inspected By: NSB

Control Panel	Arrival	Departure
System	On / <u>Off</u>	<u>On</u> / Off

SVE SYSTEM INSIDE TRAILER

Was Moisture Separator Emptied?	<u>Yes</u> / ~~No~~
Moisture Disposal Drum	F / 75 / 50 / 25 / <u>E</u>
SVE Relief Valve	Open / <u>Closed</u>

SVE WELL READINGS (INSIDE TRAILER)

SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve
RW-1	<u> </u> cfm	<u> </u> ppm	<u> </u> inches of Water	O / 50 / <u>C</u>
RW-2	<u> </u> cfm	<u> </u> ppm	<u> </u> inches of Water	O / 50 / <u>C</u>
RW-3	<u>19</u> cfm	<u>1520</u> ppm	<u>70</u> inches of Water	<u>C</u> / 50 / C
RW-4	<u> </u> cfm	<u> </u> ppm	<u> </u> inches of Water	O / 50 / <u>C</u>
RW-10	<u> </u> cfm	<u> </u> ppm	<u> </u> inches of Water	O / 50 / <u>C</u>
B-1	<u> </u> cfm	<u> </u> ppm	<u> </u> inches of Water	O / 50 / <u>C</u>
FD-2	<u>23</u> cfm	<u>47</u> ppm	<u>52</u> inches of Water	<u>C</u> / 50 / C
B-3	<u>22</u> cfm	<u>260</u> ppm	<u>40</u> inches of Water	<u>C</u> / 50 / C

SVE SYSTEM FLOW

	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum	<u> </u>	<u> </u>	<u> </u>	<u> </u> inch of Water
Pressure	<u> </u>	<u> </u> psi	<u> </u>	<u> </u>
Flow	<u>140</u> cfm	<u>185</u> cfm	<u>225</u> cfm	<u> </u>

CARBON SYSTEM

	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	<u>1330</u> ppm	<u>0</u> ppm	<u>0</u> ppm	
Temp	<u>75</u> degrees F	<u>75</u> degrees F	<u>75</u> degrees F	

SVE Radius of Influence

Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1	<u> </u>	PZ-1	<u> </u>	
P-2	<u> </u>	PZ-2	<u> </u>	
P-4	<u> </u>	PZ-3	<u> </u>	
P-5	<u> </u>	PZ-4	<u> </u>	
P-6	<u> </u>	PZ-5	<u> </u>	
		PZ-6	<u> </u>	

218 LAKEVILLE ROAD
LAKE SUCCESS, NEW YORK

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date 10:00 7/14

Inspected By: NSB

Control Panel	Arrival	Departure
System	On / <u>Off</u>	<u>On</u> / Off

SVE SYSTEM INSIDE TRAILER

Was Moisture Separator Emptied?	<u>Yes</u> / No
Moisture Disposal Drum	F / 75 / 50 / 25 / F
SVE Relief Valve	Open / <u>Closed</u>

SVE WELL READINGS (INSIDE TRAILER)

SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve
RW-1	<u>1</u> cfm	<u>1</u> ppm	<u>1</u> inches of Water	O / 50 <u>C</u>
RW-2	<u>1</u> cfm	<u>1</u> ppm	<u>1</u> inches of Water	O / 50 <u>C</u>
RW-3	<u>20</u> cfm	<u>1160</u> ppm	<u>70</u> inches of Water	<u>C</u> / 50 / C
RW-4	<u>1</u> cfm	<u>1</u> ppm	<u>1</u> inches of Water	O / 50 <u>C</u>
RW-10	<u>1</u> cfm	<u>1</u> ppm	<u>1</u> inches of Water	O / 50 <u>C</u>
B-1	<u>1</u> cfm	<u>1</u> ppm	<u>1</u> inches of Water	O / 50 <u>C</u>
FD-2	<u>22</u> cfm	<u>7</u> ppm	<u>52</u> inches of Water	<u>C</u> / 50 / C
B-3	<u>22</u> cfm	<u>300</u> ppm	<u>40</u> inches of Water	<u>C</u> / 50 / C

SVE SYSTEM FLOW

	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum				inch of Water
Pressure				
Flow	<u>1110</u> cfm	<u>180</u> cfm	<u>230</u> cfm	

CARBON SYSTEM

	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	<u>1120</u> ppm	<u>0</u> ppm	<u>0</u> ppm	
Temp	<u>75</u> degrees F	<u>75</u> degrees F	<u>75</u> degrees F	

SVE Radius of Influence

Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1		PZ-1		
P-2		PZ-2		
P-4		PZ-3		
P-5		PZ-4		
P-6		PZ-5		
		PZ-6		

+ 3hr

218 LAKEVILLE ROAD
LAKE SUCCESS, NEW YORK

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date 10:30 7/14

Inspected By: NSB

Control Panel	Arrival	Departure
System	<u>On / Off</u>	<u>On / Off</u>

SVE SYSTEM INSIDE TRAILER

Was Moisture Separator Emptied?	<u>Yes / No</u>
Moisture Disposal Drum	F / 75 / 50 / 25 / <u>E</u>
SVE Relief Valve	Open / <u>Closed</u>

SVE WELL READINGS (INSIDE TRAILER)

SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve
RW-1	— cfm	— ppm	— inches of Water	O / 50 <u>C</u>
RW-2	— cfm	— ppm	— inches of Water	O / 50 <u>C</u>
RW-3	<u>70</u> cfm	<u>420</u> ppm	<u>19</u> inches of Water	<u>O</u> 50 / C
RW-4	— cfm	— ppm	— inches of Water	O / 50 <u>C</u>
RW-10	— cfm	— ppm	— inches of Water	O / 50 <u>C</u>
B-1	— cfm	— ppm	— inches of Water	O / 50 <u>C</u>
FD-2	<u>52</u> cfm	<u>37</u> ppm	<u>23</u> inches of Water	<u>O</u> 50 / C
B-3	<u>40</u> cfm	<u>430</u> ppm	<u>22</u> inches of Water	<u>O</u> 50 / C

SVE SYSTEM FLOW

	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum				inch of Water
Pressure		psi		
Flow	<u>140</u> cfm	<u>185</u> cfm	<u>240</u> cfm	

CARBON SYSTEM

	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	<u>1045</u> ppm	<u>0</u> ppm	<u>0</u> ppm	
Temp	<u>76</u> degrees F	<u>75</u> degrees F	<u>75</u> degrees F	

SVE Radius of Influence

Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1		PZ-1		
P-2		PZ-2		
P-4		PZ-3		
P-5		PZ-4		
P-6		PZ-5		
		PZ-6		

11:00 AM hr-218 LAKEVILLE ROAD
+ 3.5 LAKE SUCCESS, NEW YORK

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date 7/14

Inspected By: NSB

Control Panel	Arrival	Departure
System	On ☒ Off	On ☒ Off

SVE SYSTEM INSIDE TRAILER	
Was Moisture Separator Emptied?	Yes ☒ No
Moisture Disposal Drum	F / 75 / 50 / 25 ☒ E
SVE Relief Valve	Open ☒ Closed

SVE WELL READINGS (INSIDE TRAILER)				
SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve
RW-1	_____ cfm	_____ ppm	_____ inches of Water	O / 50 / C
RW-2	_____ cfm	_____ ppm	_____ inches of Water	O / 50 / C
RW-3	<u>79</u> cfm	<u>1061</u> ppm	<u>67</u> inches of Water	<u>O</u> / 50 / <u>C</u>
RW-4	_____ cfm	_____ ppm	_____ inches of Water	O / 50 / <u>C</u>
RW-10	_____ cfm	_____ ppm	_____ inches of Water	O / 50 / <u>C</u>
B-1	_____ cfm	_____ ppm	_____ inches of Water	O / 50 / <u>C</u>
FD-2	<u>21</u> cfm	<u>87</u> ppm	<u>51</u> inches of Water	<u>O</u> / 50 / <u>C</u>
B-3	<u>20</u> cfm	<u>385</u> ppm	<u>34</u> inches of Water	<u>O</u> / 50 / <u>C</u>

SVE SYSTEM FLOW				
	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum				<u>43</u> inch of Water
Pressure				
Flow	<u>140</u> cfm	<u>180</u> cfm	<u>220</u> cfm	

CARBON SYSTEM				
	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	<u>1107</u> ppm	<u>0</u> ppm	<u>0</u> ppm	
Temp	<u>75</u> degrees F	<u>75</u> degrees F	<u>75</u> degrees F	

SVE Radius of Influence				
Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1		PZ-1		
P-2		PZ-2		
P-4		PZ-3		
P-5		PZ-4		
P-6		PZ-5		
		PZ-6		

11:30 AM
+ 4 hr

218 LAKEVILLE ROAD
LAKE SUCCESS, NEW YORK

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date 7/14

Inspected By: NSB

Control Panel	Arrival	Departure
System	<u>On</u> / Off	On / <u>Off</u>

SVE SYSTEM INSIDE TRAILER	
Was Moisture Separator Emptied?	<u>Yes</u> / No
Moisture Disposal Drum	F / 75 / 50 / 25 <u>E</u>
SVE Relief Valve	Open / <u>Closed</u>

SVE WELL READINGS (INSIDE TRAILER)					
SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve	
RW-1	<u> </u> cfm	<u> </u> ppm	<u> </u> inches of Water	O / 50 / <u>C</u>	
RW-2	<u> </u> cfm	<u> </u> ppm	<u> </u> inches of Water	O / 50 / <u>C</u>	
RW-3	<u>70</u> cfm	<u>700</u> ppm	<u>19</u> inches of Water	<u>O</u> / 50 / C	
RW-4	<u> </u> cfm	<u> </u> ppm	<u> </u> inches of Water	O / 50 / <u>C</u>	
RW-10	<u> </u> cfm	<u> </u> ppm	<u> </u> inches of Water	O / 50 / <u>C</u>	
B-1	<u> </u> cfm	<u> </u> ppm	<u> </u> inches of Water	O / 50 / <u>C</u>	
FD-2	<u>2252</u> cfm	<u>105</u> ppm	<u>22</u> inches of Water	<u>O</u> / 50 / C	
B-3	<u>40</u> cfm	<u>450</u> ppm	<u>21</u> inches of Water	<u>O</u> / 50 / C	

SVE SYSTEM FLOW				
	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum				<u>44</u> inch of Water
Pressure		<u> </u> psi		
Flow	<u>140</u> cfm	<u>140</u> cfm	<u>220</u> cfm	

CARBON SYSTEM				
	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	<u>960</u> ppm	<u>0</u> ppm	<u>0</u> ppm	
Temp	<u>73</u> degrees F	<u>75</u> degrees F	<u>75</u> degrees F	

SVE Radius of Influence				
Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1		PZ-1		
P-2		PZ-2		
P-4		PZ-3		
P-5		PZ-4		
P-6		PZ-5		
		PZ-6		

12:00
7/14 4.5hr

218 LAKEVILLE ROAD
LAKE SUCCESS, NEW YORK

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date _____

Inspected By: N5B

Control Panel	Arrival	Departure
System	On / <u>Off</u>	<u>On</u> / Off

SVE SYSTEM INSIDE TRAILER

Was Moisture Separator Emptied?	<u>Yes</u> / No
Moisture Disposal Drum	F / 75 / 50 / 25 / <u>E</u>
SVE Relief Valve	Open / <u>Closed</u>

SVE WELL READINGS (INSIDE TRAILER)

SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve
RW-1	<u>/</u> cfm	<u>/</u> ppm	<u>/</u> inches of Water	O / 50 <u>C</u>
RW-2	<u>/</u> cfm	<u>/</u> ppm	<u>/</u> inches of Water	O / 50 <u>C</u>
RW-3	<u>70</u> cfm	<u>1473</u> ppm	<u>20</u> inches of Water	<u>O</u> / 50 / C
RW-4	<u>/</u> cfm	<u>/</u> ppm	<u>/</u> inches of Water	O / 50 <u>C</u>
RW-10	<u>/</u> cfm	<u>/</u> ppm	<u>/</u> inches of Water	O / 50 <u>C</u>
B-1	<u>/</u> cfm	<u>/</u> ppm	<u>/</u> inches of Water	O / 50 <u>C</u>
FD-2	<u>52</u> cfm	<u>40</u> ppm	<u>22</u> inches of Water	<u>O</u> / 50 / C
B-3	<u>40</u> cfm	<u>652</u> ppm	<u>20</u> inches of Water	<u>O</u> / 50 / C

SVE SYSTEM FLOW

	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum				<u>45</u> inch of Water
Pressure		<u>/</u> psi		
Flow	<u>140</u> cfm	<u>180</u> cfm	<u>220</u> cfm	

CARBON SYSTEM

	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	<u>882</u> ppm	<u>0</u> ppm	<u>0</u> ppm	
Temp	<u>75</u> degrees F	<u>75</u> degrees F	<u>73</u> degrees F	

SVE Radius of Influence

Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1		PZ-1		
P-2		PZ-2		
P-4		PZ-3		
P-5		PZ-4		
P-6		PZ-5		
		PZ-6		

12:30

5hr

218 LAKEVILLE ROAD
LAKE SUCCESS, NEW YORK

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date

7/1/14

Inspected By:

NSB

Control Panel	Arrival	Departure
System	On / <u>Off</u>	<u>On</u> / Off

SVE SYSTEM INSIDE TRAILER

Was Moisture Separator Emptied?	<u>Yes</u> / No
Moisture Disposal Drum	F / 75 / 50 / 25 / <u>E</u>
SVE Relief Valve	Open / <u>Closed</u>

SVE WELL READINGS (INSIDE TRAILER)

SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve
RW-1	— cfm	— ppm	— inches of Water	O / 50 / <u>C</u>
RW-2	— cfm	— ppm	— inches of Water	O / 50 / <u>C</u>
RW-3	70 cfm	1540 ppm	19 inches of Water	<u>C</u> / 50 / C
RW-4	— cfm	— ppm	— inches of Water	O / 50 / <u>C</u>
RW-10	— cfm	— ppm	— inches of Water	O / 50 / <u>C</u>
B-1	— cfm	— ppm	— inches of Water	O / 50 / <u>C</u>
FD-2	52 cfm	150 ppm	23 inches of Water	<u>C</u> / 50 / C
B-3	41 cfm	450 ppm	21 inches of Water	<u>C</u> / 50 / C

SVE SYSTEM FLOW

	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum				inch of Water
Pressure		— psi		
Flow	140 cfm	160 cfm	220 cfm	

CARBON SYSTEM

	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	824 ppm	0 ppm	0 ppm	
Temp	75 degrees F	75 degrees F	75 degrees F	

SVE Radius of Influence

Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1		PZ-1		
P-2		PZ-2		
P-4		PZ-3		
P-5		PZ-4		
P-6		PZ-5		
		PZ-6		

5:30 hr
13:00 (1pm) 218 LAKEVILLE ROAD
LAKE SUCCESS, NEW YORK

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date 7/14

Inspected By: NSB

Control Panel	Arrival	Departure
System	On <u>Off</u>	<u>On</u> / Off

SVE SYSTEM INSIDE TRAILER

Was Moisture Separator Emptied?	Yes / <u>No</u>
Moisture Disposal Drum	F / 75 / 50 / 25 / <u>E</u>
SVE Relief Valve	<u>Open</u> / Closed

SVE WELL READINGS (INSIDE TRAILER)

SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve
RW-1	— cfm	— ppm	— inches of Water	O / 50 / <u>C</u>
RW-2	— cfm	— ppm	— inches of Water	O / 50 / <u>C</u>
RW-3	<u>70</u> cfm	<u>310</u> ppm	<u>20</u> inches of Water	<u>O</u> / 50 / C
RW-4	— cfm	— ppm	— inches of Water	O / 50 / <u>C</u>
RW-10	— cfm	— ppm	— inches of Water	O / 50 / <u>C</u>
B-1	— cfm	— ppm	— inches of Water	O / 50 / <u>C</u>
FD-2	<u>52</u> cfm	<u>310</u> ppm	<u>22</u> inches of Water	<u>O</u> / 50 / C
B-3	<u>40</u> cfm	<u>430</u> ppm	<u>21</u> inches of Water	<u>O</u> / 50 / C

SVE SYSTEM FLOW

	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum				<u>45</u> inch of Water
Pressure				
Flow	<u>145</u> cfm	<u>190</u> cfm	<u>250</u> cfm	

CARBON SYSTEM

	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	<u>774</u> ppm	<u>0</u> ppm	<u>0</u> ppm	
Temp	<u>75</u> degrees F	<u>75</u> degrees F	<u>75</u> degrees F	

SVE Radius of Influence

Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1		PZ-1		
P-2		PZ-2		
P-4		PZ-3		
P-5		PZ-4		
P-6		PZ-5		
		PZ-6		

6:00 hr
1:30 pm

218 LAKEVILLE ROAD
LAKE SUCCESS, NEW YORK

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date 7/14

Inspected By: NSB

Control Panel	Arrival	Departure
System	On / <u>Off</u>	<u>On</u> / Off

SVE SYSTEM INSIDE TRAILER	
Was Moisture Separator Emptied?	<u>Yes</u> / No
Moisture Disposal Drum	F / 75 / 50 / 25 <u>E</u>
SVE Relief Valve	Open / <u>Closed</u>

SVE WELL READINGS (INSIDE TRAILER)				
SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve
RW-1	— cfm	— ppm	— inches of Water	O / 50 / <u>C</u>
RW-2	— cfm	— ppm	— inches of Water	O / 50 / <u>C</u>
RW-3	<u>70</u> cfm	<u>1459</u> ppm	<u>20</u> inches of Water	<u>O</u> / 50 / C
RW-4	— cfm	— ppm	— inches of Water	O / 50 / <u>C</u>
RW-10	— cfm	— ppm	— inches of Water	O / 50 / <u>C</u>
B-1	— cfm	— ppm	— inches of Water	O / 50 / <u>C</u>
FD-2	<u>52</u> cfm	<u>310</u> ppm	<u>22</u> inches of Water	<u>O</u> / 50 / C
B-3	<u>22</u> <u>40</u> cfm	<u>460</u> ppm	<u>21</u> inches of Water	<u>O</u> / 50 / C

SVE SYSTEM FLOW				
	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum				<u>44</u> inch of Water
Pressure				
Flow	<u>140</u> cfm	<u>180</u> cfm	<u>225</u> cfm	

CARBON SYSTEM				
	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	<u>758</u> ppm	<u>0</u> ppm	<u>0</u> ppm	
Temp	<u>75</u> degrees F	<u>75</u> degrees F	<u>75</u> degrees F	

SVE Radius of Influence				
Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1		PZ-1		
P-2		PZ-2		
P-4		PZ-3		
P-5		PZ-4		
P-6		PZ-5		
		PZ-6		

218 LAKEVILLE ROAD
LAKE SUCCESS, NEW YORK

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date 7/14 6:30 (2pm)

Inspected By: NJB

Control Panel	Arrival	Departure
System	On / <u>Off</u>	<u>On</u> / Off

SVE SYSTEM INSIDE TRAILER

Was Moisture Separator Emptied?	<u>Yes</u> / No
Moisture Disposal Drum	F / 75 / 50 / 25 <u>E</u>
SVE Relief Valve	Open / <u>Closed</u>

SVE WELL READINGS (INSIDE TRAILER)

SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve
RW-1	— cfm	— ppm	— inches of Water	O / 50 / <u>C</u>
RW-2	— cfm	— ppm	— inches of Water	O / 50 / <u>C</u>
RW-3	<u>70</u> cfm	<u>480</u> ppm	<u>20</u> inches of Water	<u>O</u> / 50 / C
RW-4	— cfm	— ppm	— inches of Water	O / 50 / <u>C</u>
RW-10	— cfm	— ppm	— inches of Water	O / 50 / <u>C</u>
B-1	— cfm	— ppm	— inches of Water	O / 50 / <u>O</u>
FD-2	<u>51</u> cfm	<u>280</u> ppm	<u>22</u> inches of Water	<u>O</u> / 50 / C
B-3	<u>40</u> cfm	<u>420</u> ppm	<u>20</u> inches of Water	<u>O</u> / 50 / C

SVE SYSTEM FLOW

	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum				<u>45</u> inch of Water
Pressure		— psi		
Flow	<u>140</u> cfm	<u>180</u> cfm	<u>240</u> cfm	

CARBON SYSTEM

	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	<u>716</u> ppm	<u>C</u> ppm	<u>C</u> ppm	
Temp	<u>75</u> degrees F	<u>75</u> degrees F	<u>75</u> degrees F	

SVE Radius of Influence

Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1		PZ-1		
P-2		PZ-2		
P-4		PZ-3		
P-5		PZ-4		
P-6		PZ-5		
		PZ-6		

47 hrs
2:30 PM

218 LAKEVILLE ROAD
LAKE SUCCESS, NEW YORK

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date 7/14

Inspected By: NSB

Control Panel	Arrival	Departure
System	On / <u>Off</u>	<u>On</u> / Off

SVE SYSTEM INSIDE TRAILER

Was Moisture Separator Emptied?	<u>Yes</u> / No
Moisture Disposal Drum	F / 75 / 50 / 25 / <u>E</u>
SVE Relief Valve	Open / <u>Closed</u>

SVE WELL READINGS (INSIDE TRAILER)

SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve
RW-1	<u> </u> cfm	<u> </u> ppm	<u> </u> inches of Water	O / 50 / <u>C</u>
RW-2	<u> </u> cfm	<u> </u> ppm	<u> </u> inches of Water	O / 50 / <u>C</u>
RW-3	<u>68</u> cfm	<u>1570</u> ppm	<u>20</u> inches of Water	<u>O</u> / 50 / C
RW-4	<u> </u> cfm	<u> </u> ppm	<u> </u> inches of Water	O / 50 / <u>C</u>
RW-10	<u> </u> cfm	<u> </u> ppm	<u> </u> inches of Water	O / 50 / <u>C</u>
B-1	<u> </u> cfm	<u> </u> ppm	<u> </u> inches of Water	O / 50 / <u>C</u>
FD-2	<u>52</u> cfm	<u>1570</u> ppm	<u>23</u> inches of Water	<u>O</u> / 50 / C
B-3	<u>34</u> cfm	<u>110</u> ppm	<u>22</u> inches of Water	<u>O</u> / 50 / C

SVE SYSTEM FLOW

	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum	<u> </u>			<u>50</u> inch of Water
Pressure	<u> </u> psi			<u> </u>
Flow	<u>140</u> cfm	<u>140</u> cfm	<u>240</u> cfm	

CARBON SYSTEM

	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	<u>1050</u> ppm	<u>0</u> ppm	<u>0</u> ppm	
Temp	<u>75</u> degrees F	<u>75</u> degrees F	<u>75</u> degrees F	

SVE Radius of Influence

Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1		PZ-1		
P-2		PZ-2		
P-4		PZ-3		
P-5		PZ-4		
P-6		PZ-5		
		PZ-6		

+7.5hr
3pm

218 LAKEVILLE ROAD
LAKE SUCCESS, NEW YORK

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date 7/14

Inspected By: NSB

Control Panel	Arrival	Departure
System	On <u>Off</u>	<u>On</u> / Off

SVE SYSTEM INSIDE TRAILER

Was Moisture Separator Emptied?	<u>Yes</u> / No
Moisture Disposal Drum	F / 75 / 50 / 25 / <u>E</u>
SVE Relief Valve	Open / <u>Closed</u>

SVE WELL READINGS (INSIDE TRAILER)

SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve
RW-1	<u> </u> cfm	<u> </u> ppm	<u> </u> inches of Water	O / 50 / C
RW-2	<u> </u> cfm	<u> </u> ppm	<u> </u> inches of Water	O / 50 / C
RW-3	<u>68</u> cfm	<u>1365</u> ppm	<u>20</u> inches of Water	O / 50 / C
RW-4	<u> </u> cfm	<u> </u> ppm	<u> </u> inches of Water	O / 50 / C
RW-10	<u> </u> cfm	<u> </u> ppm	<u> </u> inches of Water	O / 50 / C
B-1	<u> </u> cfm	<u> </u> ppm	<u> </u> inches of Water	O / 50 / C
FD-2	<u>52</u> cfm	<u>575</u> ppm	<u>23</u> inches of Water	O / 50 / C
B-3	<u>30</u> cfm	<u>675</u> ppm	<u>22</u> inches of Water	O / 50 / C

SVE SYSTEM FLOW

	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum	<u> </u>	<u> </u>	<u> </u>	<u>50</u> inch of Water
Pressure	<u> </u>	<u> </u> psi	<u> </u>	<u> </u>
Flow	<u>140</u> cfm	<u>140</u> cfm	<u>230</u> cfm	<u> </u>

CARBON SYSTEM

	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	<u>1015</u> ppm	<u>0</u> ppm	<u>0</u> ppm	
Temp	<u>75</u> degrees F	<u>75</u> degrees F	<u>75</u> degrees F	

SVE Radius of Influence

Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1	<u> </u>	PZ-1	<u> </u>	
P-2	<u> </u>	PZ-2	<u> </u>	
P-4	<u> </u>	PZ-3	<u> </u>	
P-5	<u> </u>	PZ-4	<u> </u>	
P-6	<u> </u>	PZ-5	<u> </u>	
		PZ-6	<u> </u>	

3:30 PM

+ 6hr

218 LAKEVILLE ROAD
LAKE SUCCESS, NEW YORK

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date 7/14

Inspected By:

N 5/3

Control Panel	Arrival	Departure
System	On / Off	On / Off

SVE SYSTEM INSIDE TRAILER

Was Moisture Separator Emptied?	Yes / No
Moisture Disposal Drum	F / 75 / 50 / 25 / E
SVE Relief Valve	Open / Closed

SVE WELL READINGS (INSIDE TRAILER)

SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve
RW-1	— cfm	— ppm	— inches of Water	0 / 50 / C
RW-2	— cfm	— ppm	— inches of Water	0 / 50 / C
RW-3	68 cfm	1550 ppm	20 inches of Water	0 / 50 / C
RW-4	— cfm	— ppm	— inches of Water	0 / 50 / C
RW-10	— cfm	— ppm	— inches of Water	0 / 50 / C
B-1	— cfm	— ppm	— inches of Water	0 / 50 / C
FD-2	52 cfm	430 ppm	23 inches of Water	0 / 50 / C
B-3	39 cfm	556 ppm	22 inches of Water	0 / 50 / C

SVE SYSTEM FLOW

	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum				50 inch of Water
Pressure		— psi		
Flow	140 cfm	160 cfm	230 cfm	

CARBON SYSTEM

	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	1025 ppm	— ppm	— ppm	
Temp	76 degrees F	76 degrees F	75 degrees F	

SVE Radius of Influence

Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1		PZ-1		
P-2		PZ-2		
P-4		PZ-3		
P-5		PZ-4		
P-6		PZ-5		
		PZ-6		

218 LAKEVILLE ROAD
LAKE SUCCESS, NEW YORK

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date 7/16/03

Inspected By: BVL

1:20 on-site

10/16/03

Control Panel	Arrival	Departure
System	On / <u>Off</u>	On / <u>Off</u>

OVER FOR CONTINUOUS MONITORING DATA - WELL PULSING #2

SVE SYSTEM INSIDE TRAILER	
Was Moisture Separator Emptied?	Yes <u>No</u>
Moisture Disposal Drum	F / 75 / 50 / 25 <u>E</u>
SVE Relief Valve	Open / <u>Closed</u>

SVE WELL READINGS (INSIDE TRAILER)				
SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve
RW-1	cfm	ppm	inches of Water	0 / 50 / <u>C</u>
RW-2	cfm	ppm	inches of Water	0 / 50 / <u>C</u>
RW-3	65 cfm	12.2 ppm	22 inches of Water	<u>C</u> / 50 / C
RW-4	cfm	ppm	inches of Water	0 / 50 / <u>C</u>
RW-10	cfm	ppm	inches of Water	0 / 50 / <u>C</u>
B-1	cfm	ppm	inches of Water	0 / 50 / <u>C</u>
FD-2	52 cfm	0 ppm	30 inches of Water	<u>C</u> / 50 / C
B-3	30 cfm	0 ppm	25 inches of Water	<u>C</u> / 50 / C

SVE SYSTEM FLOW				
	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum				inch of Water
Pressure				
Flow	130 cfm	120 cfm	170 cfm	

CARBON SYSTEM				
	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	2.1 ppm	0 ppm	0 ppm	
Temp	degrees F	degrees F	degrees F	

SVE Radius of Influence				
Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1		PZ-1		
P-2		PZ-2		
P-4		PZ-3		
P-5		PZ-4		
P-6		PZ-5		
		PZ-6		

+ 1.5 hr
after restart

218 LAKEVILLE ROAD
LAKE SUCCESS, NEW YORK

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date 7/16/03

Inspected By: BVI

Control Panel	Arrival	Dep.
System	On <u>Off</u>	<u>On</u> / Off

SVE SYSTEM INSIDE TRAILER	
Was Moisture Separator Emptied?	Yes / No
Moisture Disposal Drum	F / 75 / 50 / 25 / E
SVE Relief Valve	Open / Closed

SVE WELL READINGS (INSIDE TRAILER)				
SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve
RW-1	cfm	ppm	inches of Water	O / 50 / C
RW-2	cfm	ppm	inches of Water	O / 50 / C
RW-3	65 cfm	12.2 ppm	22 inches of Water	O / 50 / C
RW-4	cfm	ppm	inches of Water	O / 50 / C
RW-10	cfm	ppm	inches of Water	O / 50 / C
B-1	cfm	ppm	inches of Water	O / 50 / C
FD-2	52 cfm	0 ppm	30 inches of Water	O / 50 / C
B-3	30 cfm	0 ppm	25 inches of Water	O / 50 / C

SVE SYSTEM FLOW				
	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum				inch of Water
Pressure		psi		
Flow	130 cfm	120 cfm	170 cfm	

CARBON SYSTEM				
	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	2.1 ppm	0 ppm	0 ppm	
Temp	degrees F	degrees F	degrees F	

SVE Radius of Influence				
Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1		PZ-1		
P-2		PZ-2		
P-4		PZ-3		
P-5		PZ-4		
P-6		PZ-5		
		PZ-6		

+2hr

218 LAKEVILLE ROAD
LAKE SUCCESS, NEW YORK

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date 7/16Inspected By: BVI

Control Panel	Arrival	Departure
System	On / Off	On / Off

SVE SYSTEM INSIDE TRAILER

Was Moisture Separator Emptied?	Yes / No
Moisture Disposal Drum	75 % / 25 %
SVE Relief Valve	Open / Closed

SVE WELL READINGS (INSIDE TRAILER)

SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve
RW-1		cfm	ppm	inches of Water
RW-2		cfm	ppm	inches of Water
RW-3	65	220.3	22	inches of Water
RW-4		cfm	ppm	inches of Water
RW-10		cfm	ppm	inches of Water
B-1		cfm	ppm	inches of Water
FD-2	52	0	30	inches of Water
B-3	30	0	25	inches of Water

SVE SYSTEM FLOW

	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum				inch of Water
Pressure		psi		
Flow	cfm	cfm	cfm	

CARBON SYSTEM

	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	0.0	0	0	
Temp	degrees F	degrees F	degrees F	

SVE Radius of Influence

Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1		PZ-1		
P-2		PZ-2		
P-4		PZ-3		
P-5		PZ-4		
P-6		PZ-5		
		PZ-6		

+2.5hr

218 LAKEVILLE ROAD
LAKE SUCCESS, NEW YORK

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date 7/16

Inspected By: BVI

Control Panel	Arrival	Departure
System	On <u>Off</u>	<u>On</u> / Off

SVE SYSTEM INSIDE TRAILER

Was Moisture Separator emptied?	Yes No
Moisture Disposal Drum	1 75 50 25 0
SVE Relief Valve	Open / closed

SVE WELL READINGS (INSIDE TRAILER)

SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve
RW-1				
RW-2				
RW-3	65	1.2	22	
RW-4				
RW-5				
B-1				
FD-2	52	0	30	
B-3	30	0	25	

SVE SYSTEM FLOW

	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum				inch of Water
Pressure		psi		
Flow	130 cfm	120 cfm	170 cfm	

CARBON SYSTEM

	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	0.3	0	0	
Temp	degrees F	degrees F	degrees F	

SVE Radius of Influence

Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1		PZ-1		
P-2		PZ-2		
P-4		PZ-3		
P-5		PZ-4		
P-6		PZ-5		
		PZ-6		

+3hr

218 LAKEVILLE ROAD
LAKE SUCCESS, NEW YORK

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date 7/16Inspected By: BUE

Control Panel	Arrival	Departure
System	On ☒ Off	☒ On ☐ Off

SVE SYSTEM INSIDE TRAILER

Was Moisture Separator Emptied?	Yes No
Moisture Disposal Drum	Full Empty
SVE Relief Valve	Open Closed

SVE WELL READINGS (INSIDE TRAILER)

SVE WELL #	Flow	PID Readings	Vacuum	Bail Valve
RW-1				
RW-2				
RW-3	65	0.2	22	
RW-4				
RW-5				
B-1				
FD-2	52	0	30	
B-3	30	0	25	

SVE SYSTEM FLOW

	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum				inch of Water
Pressure				
Flow	130 cfm	120 cfm	170 cfm	

CARBON SYSTEM

	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	0 ppm	0 ppm	0 ppm	
Temp	degrees F	degrees F	degrees F	

SVE Radius of Influence

Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1		PZ-1		
P-2		PZ-2		
P-4		PZ-3		
P-5		PZ-4		
P-6		PZ-5		
		PZ-6		

+3.5hr

218 LAKEVILLE ROAD
LAKE SUCCESS, NEW YORK

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date 7/16Inspected By: BVI

Control Panel	Arrival	Departure
System	On <u>Off</u>	<u>On</u> Off

SVE SYSTEM INSIDE TRAILER

Was Moisture Separator Emptied?	Yes No
Moisture Disposal Drum	1 75 50 25
SVE Relief Valve	Open Closed

SVE WELL READINGS (INSIDE TRAILER)

SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve
RW-1	cfm	ppm	inches of Water	0 50
RW-2	cfm	ppm	inches of Water	0 50
RW-3	65 cfm	0 ppm	0 inches of Water	0 50
RW-4	cfm	ppm	inches of Water	0 50
RW-10	cfm	ppm	inches of Water	0 50
B-1	cfm	ppm	inches of Water	0 50
ED-2	52 cfm	0 ppm	30 inches of Water	0 50
B-3	30 cfm	0 ppm	25 inches of Water	0 50

SVE SYSTEM FLOW

	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum				inch of Water
Pressure		psi		
Flow	130 cfm	120 cfm	170 cfm	

CARBON SYSTEM

	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	0 ppm	0 ppm	0 ppm	
Temp	degrees F	degrees F	degrees F	

SVE Radius of Influence

Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1		PZ-1		
P-2		PZ-2		
P-4		PZ-3		
P-5		PZ-4		
P-6		PZ-5		
		PZ-6		

+4hr

218 LAKEVILLE ROAD
LAKE SUCCESS, NEW YORK

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date 7/16

Inspected By: BVF

Control Panel	Arrival	Departure
System	On / <u>Off</u>	<u>On</u> / Off

SVE SYSTEM INSIDE TRAILER

Was Moisture Separator Emptied?	Yes No
Moisture Disposal Drum	F 75 50 25 L
SVE Relief Valve	Open Closed

SVE WELL READINGS (INSIDE TRAILER)

SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve
RW-1	cfm	ppm	inches of Water	0 50
RW-2	cfm	ppm	inches of Water	0 50
RW-3	65 cfm	0 ppm	22 inches of Water	0 50
RW-4	cfm	ppm	inches of Water	0 50
RW-5	cfm	ppm	inches of Water	0 50
B-1	cfm	ppm	inches of Water	0 50
ED-2	52 cfm	0 ppm	30 inches of Water	0 50
B-3	30 cfm	0 ppm	25 inches of Water	0 50

SVE SYSTEM FLOW

	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum				inch of Water
Pressure		psi		
Flow	130 cfm	120 cfm	170 cfm	

CARBON SYSTEM

	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	0 ppm	0 ppm	0 ppm	
Temp	degrees F	degrees F	degrees F	

SVE Radius of Influence

Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1		PZ-1		
P-2		PZ-2		
P-4		PZ-3		
P-5		PZ-4		
P-6		PZ-5		
		PZ-6		

+4.5hr

218 LAKEVILLE ROAD
LAKE SUCCESS, NEW YORK

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date 7/16

Inspected By:

BVI

Control Panel	Arrival	Departure
System	On ☒ Off ☐	☒ On ☐ Off

SVE SYSTEM INSIDE TRAILER

Was Moisture Separator Emptied?	Yes No
Moisture Disposal Drum	0 75 50 25 0
SVE Relief Valve	Open Closed

SVE WELL READINGS (INSIDE TRAILER)

SVE WELL #	Flow	PID Readings	Vacuum	Bail Valve
RW-1	cfm	ppm	inches of Water	0 50 0
RW-2	cfm	ppm	inches of Water	0 50 0
RW-3	65 cfm	0 ppm	22 inches of Water	50 0
RW-4	cfm	ppm	inches of Water	50 0
RW-5	cfm	ppm	inches of Water	50 0
B-1	cfm	ppm	inches of Water	50 0
FD-2	52 cfm	0 ppm	30 inches of Water	50 0
B-3	30 cfm	0 ppm	25 inches of Water	0 50 0

SVE SYSTEM FLOW

	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum				inch of Water
Pressure		psi		
Flow	130 cfm	120 cfm	170 cfm	

CARBON SYSTEM

	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	0 ppm	0 ppm	0 ppm	
Temp	degrees F	degrees F	degrees F	

SVE Radius of Influence

Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1		PZ-1		
P-2		PZ-2		
P-4		PZ-3		
P-5		PZ-4		
P-6		PZ-5		
		PZ-6		

+5hr

218 LAKEVILLE ROAD
LAKE SUCCESS, NEW YORK

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date 7/16Inspected By: BVI

Control Panel	Arrival	Departure
System	On Off	On Off

SVE SYSTEM INSIDE TRAILER

Was Moisture Separator Emptied?	Yes No
Moisture Disposal Drum	1 75 50 25 0
SVE Relief Valve	Open Closed

SVE WELL READINGS (INSIDE TRAILER)

SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve
RW-1	cfm	ppm	inches of Water	() 50 ()
RW-2	cfm	ppm	inches of Water	() 50 ()
RW-3	65 cfm	0 ppm	22 inches of Water	() 50 ()
RW-4	cfm	ppm	inches of Water	() 50 ()
RW-5	cfm	ppm	inches of Water	() 50 ()
B-1	cfm	ppm	inches of Water	() 50 ()
FD-2	52 cfm	0 ppm	30 inches of Water	() 50 ()
P-3	30 cfm	0 ppm	25 inches of Water	() 50 ()

SVE SYSTEM FLOW

	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum				inch of Water
Pressure		psi		
Flow	130 cfm	120 cfm	170 cfm	

CARBON SYSTEM

	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	0 ppm	0 ppm	0 ppm	
Temp	degrees F	degrees F	degrees F	

SVE Radius of Influence

Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1		PZ-1		
P-2		PZ-2		
P-4		PZ-3		
P-5		PZ-4		
P-6		PZ-5		
		PZ-6		

Appendix F, Part 3

Pulse 3 Operation and Maintenance Log Forms

218 LAKEVILLE ROAD
LAKE SUCCESS, NEW YORK

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date 7/24/03

Inspected By: DVI/NSD

2nd pulse, 1st on-cycle.

Control Panel	Arrival	Departure
System	On ☒	On / Off ☒

SVE SYSTEM INSIDE TRAILER

Was Moisture Separator Emptied?	Yes / ☒ No
Moisture Disposal Drum	F / 75 / 50 / <u>23</u> / E
SVE Relief Valve	Open / ☒ Closed

SVE WELL READINGS (INSIDE TRAILER)

SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve
RW-1	cfm	ppm	inches of Water	O / 50 / ☒ C
RW-2	cfm	ppm	inches of Water	O / 50 / ☒ C
RW-3	<u>60</u> cfm	<u>6</u> ppm	<u>25</u> inches of Water	☒ O / 50 / C
RW-4	cfm	ppm	inches of Water	O / 50 / ☒ C
RW-10	cfm	ppm	inches of Water	O / 50 / ☒ C
B-1	cfm	ppm	inches of Water	O / 50 / ☒ C
FD-2	<u>52</u> cfm	<u>6</u> ppm	<u>25</u> inches of Water	☒ O / 50 / C
B-3	<u>39</u> cfm	<u>0</u> ppm	<u>15</u> inches of Water	☒ O / 50 / C

SVE SYSTEM FLOW

	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum				<u>50</u> inch of Water
Pressure		psi		
Flow	<u>140</u> cfm	<u>140</u> cfm	<u>155</u> cfm	

CARBON SYSTEM

	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	<u>0</u> ppm	<u>0</u> ppm	<u>0</u> ppm	<u>collected lab samples.</u>
Temp	degrees F	degrees F	degrees F	

SVE Radius of Influence

Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1	<u>—</u>	PZ-1	<u>— NA</u>	
P-2	<u>0.8</u>	PZ-2	<u>0.40</u>	
P-4	<u>—</u>	PZ-3	<u>— NA</u>	
P-5	<u>0.34</u>	PZ-4	<u>0.6</u>	
P-6	<u>0.26</u>	PZ-5	<u>—</u>	
		PZ-6	<u>0.</u>	

10:07 am 25 mil

0.4

10-30

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date 8/6

Inspected By: NSB

Control Panel	Arrival	Departure
System	On / <u>Off</u>	<u>On</u> / Off

SVE SYSTEM INSIDE TRAILER	
Was Moisture Separator Emptied?	<u>Yes</u> / No
Moisture Disposal Drum	F / 75 / 50 / 25 / <u>E</u>
SVE Relief Valve	Open / <u>Closed</u>

SVE WELL READINGS (INSIDE TRAILER)					
SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve	
RW-1	<u>1</u> cfm	<u>1</u> ppm	<u>1</u> inches of Water	O / 50 / <u>C</u>	
RW-2	<u>1</u> cfm	<u>1</u> ppm	<u>1</u> inches of Water	O / 50 / <u>C</u>	
RW-3	<u>70</u> cfm	<u>55.1</u> ppm	<u>20</u> inches of Water	<u>O</u> / 50 / C	
RW-4	<u>1</u> cfm	<u>1</u> ppm	<u>1</u> inches of Water	O / 50 / <u>C</u>	
RW-10	<u>1</u> cfm	<u>1</u> ppm	<u>1</u> inches of Water	O / 50 / <u>C</u>	
B-1	<u>1</u> cfm	<u>1</u> ppm	<u>1</u> inches of Water	O / 50 / <u>C</u>	
FD-2	<u>52</u> cfm	<u>3.7</u> ppm	<u>24</u> inches of Water	<u>O</u> / 50 / C	
B-3	<u>40</u> cfm	<u>1.5</u> ppm	<u>22</u> inches of Water	<u>O</u> / 50 / C	

SVE SYSTEM FLOW				
	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum				<u>1</u> inch of Water
Pressure		<u>49</u> psi		
Flow	<u>140</u> cfm	<u>180</u> cfm	<u>225</u> cfm	

CARBON SYSTEM				
	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	<u>21.0</u> ppm	<u>0</u> ppm	<u>0</u> ppm	
Temp	<u>78</u> degrees F	<u>70</u> degrees F	<u>70</u> degrees F	

SVE Radius of Influence				
Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1		PZ-1		
P-2		PZ-2		
P-4		PZ-3		
P-5		PZ-4		
P-6		PZ-5		
		PZ-6		

LAKE SUCCESS, NEW YORK

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Inspected By: NJB

Control Panel	Arrival	Departure
System	On <u>Off</u>	<u>On</u> / Off

SVE SYSTEM INSIDE TRAILER

Was Moisture Separator Emptied?	Yes / No
Moisture Disposal Drum	F / 75 / 50 / 25 / E
SVE Relief Valve	Open / <u>Closed</u>

SVE WELL READINGS (INSIDE TRAILER)

SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve
RW-1	\ cfm	\ ppm	\ inches of Water	O / 50 / <u>C</u>
RW-2	\ cfm	\ ppm	\ inches of Water	O / 50 / <u>C</u>
RW-3	70 cfm	41.0 ppm	20 inches of Water	<u>O</u> / 50 / C
RW-4	\ cfm	\ ppm	\ inches of Water	O / 50 / <u>C</u>
RW-10	\ cfm	\ ppm	\ inches of Water	O / 50 / <u>C</u>
B-1	\ cfm	\ ppm	\ inches of Water	O / 50 / <u>C</u>
FD-2	53 cfm	2.8 ppm	22 inches of Water	<u>O</u> / 50 / C
B-3	40 cfm	2.2 ppm	3 inches of Water	<u>O</u> / 50 / C

SVE SYSTEM FLOW

	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum				45 inch of Water
Pressure		\ psi		
Flow	140 cfm	190 cfm	240 cfm	

CARBON SYSTEM

	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	16.0 ppm	0 ppm	<u>0</u> ppm	
Temp	70 degrees F	70 degrees F	70 degrees F	

SVE Radius of Influence

Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1		PZ-1		
P-2		PZ-2		
P-4		PZ-3		
P-5		PZ-4		
P-6		PZ-5		
		PZ-6		

LAKE SUCCESS, NEW YORK

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date 9/6Inspected By: NSB

Control Panel	Arrival	Departure
System	On / <u>Off</u>	<u>On</u> / Off

SVE SYSTEM INSIDE TRAILER

Was Moisture Separator Emptied?	Yes / No
Moisture Disposal Drum	F / 75 / 50 / 25 <u>5</u>
SVE Relief Valve	Open / <u>Closed</u>

SVE WELL READINGS (INSIDE TRAILER)

SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve
RW-1	\ cfm	\ ppm	\ inches of Water	O / 50 / <u>C</u>
RW-2	\ cfm	\ ppm	\ inches of Water	O / 50 / <u>C</u>
RW-3	<u>70</u> cfm	<u>43.2</u> ppm	<u>20</u> inches of Water	<u>O</u> / 50 / <u>C</u>
RW-4	\ cfm	\ ppm	\ inches of Water	O / 50 / <u>C</u>
RW-10	\ cfm	\ ppm	\ inches of Water	O / 50 / <u>C</u>
B-1	\ cfm	\ ppm	\ inches of Water	O / 50 / <u>C</u>
FD-2	<u>52</u> cfm	<u>2.8</u> ppm	<u>21</u> inches of Water	<u>C</u> / 50 / <u>C</u>
B-3	<u>39</u> cfm	<u>2.0</u> ppm	<u>20</u> inches of Water	<u>C</u> / 50 / <u>C</u>

SVE SYSTEM FLOW

	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum				<u>42</u> inch of Water
Pressure				
Flow	<u>145</u> cfm	<u>180</u> cfm	<u>240</u> cfm	

CARBON SYSTEM

	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	<u>15.8</u> ppm	<u>0</u> ppm	<u>0</u> ppm	
Temp	<u>70</u> degrees F	<u>72</u> degrees F	<u>70</u> degrees F	

SVE Radius of Influence

Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1		PZ-1		
P-2		PZ-2		
P-4		PZ-3		
P-5		PZ-4		
P-6		PZ-5		
		PZ-6		

218 LAKEVILLE ROAD
LAKE SUCCESS, NEW YORK

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date

8/6

Inspected By:

NSB

Control Panel	Arrival	Departure
System	On / Off	On / Off

SVE SYSTEM INSIDE TRAILER

Was Moisture Separator Emptied?	Yes / No
Moisture Disposal Drum	F / 75 / 50 / 25 / E
SVE Relief Valve	Open / Closed

SVE WELL READINGS (INSIDE TRAILER)

SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve
RW-1	cfm	ppm	inches of Water	O / 50 / C
RW-2	cfm	ppm	inches of Water	O / 50 / C
RW-3	70 cfm	29.8 ppm	20 inches of Water	O / 50 / C
RW-4	cfm	ppm	inches of Water	O / 50 / C
RW-10	cfm	ppm	inches of Water	O / 50 / C
B-1	cfm	ppm	inches of Water	O / 50 / C
FD-2	53 cfm	1.8 ppm	23 inches of Water	O / 50 / C
B-3	42 cfm	3.8 ppm	21 inches of Water	O / 50 / C

SVE SYSTEM FLOW

	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum				49 inch of Water
Pressure		psi		
Flow	140 cfm	140 cfm	220 cfm	

CARBON SYSTEM

	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	12.4 ppm	0 ppm	0 ppm	
Temp	70 degrees F	70 degrees F	70 degrees F	

SVE Radius of Influence

Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1		PZ-1		
P-2		PZ-2		
P-4		PZ-3		
P-5		PZ-4		
P-6		PZ-5		
		PZ-6		

218 LAKEVILLE ROAD
LAKE SUCCESS, NEW YORK

x2.5 hr

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date 8/6

Inspected By: NJB

Control Panel	Arrival	Departure
System	On <u>Off</u>	<u>On</u> / Off

SVE SYSTEM INSIDE TRAILER

Was Moisture Separator Emptied?	<u>Yes</u> / No
Moisture Disposal Drum	F / 75 / 50 / 25 <u>E</u>
SVE Relief Valve	Open / <u>Closed</u>

SVE WELL READINGS (INSIDE TRAILER)

SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve
RW-1	<u>—</u> cfm	<u>—</u> ppm	<u>—</u> inches of Water	<u>O</u> / 50 / <u>O</u>
RW-2	<u>—</u> cfm	<u>—</u> ppm	<u>—</u> inches of Water	<u>O</u> / 50 / <u>O</u>
RW-3	<u>70</u> cfm	<u>26.0</u> ppm	<u>20</u> inches of Water	<u>O</u> / 50 / <u>C</u>
RW-4	<u>—</u> cfm	<u>—</u> ppm	<u>—</u> inches of Water	<u>O</u> / 50 / <u>C</u>
RW-10	<u>—</u> cfm	<u>—</u> ppm	<u>—</u> inches of Water	<u>O</u> / 50 / <u>C</u>
B-1	<u>—</u> cfm	<u>—</u> ppm	<u>—</u> inches of Water	<u>O</u> / 50 / <u>C</u>
FD-2	<u>55</u> cfm	<u>4.0</u> ppm	<u>22</u> inches of Water	<u>O</u> / 50 / <u>C</u>
B-3	<u>42</u> cfm	<u>0.2</u> ppm	<u>22</u> inches of Water	<u>O</u> / 50 / <u>C</u>

SVE SYSTEM FLOW

	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum				<u>45</u> <u>inch</u> of Water
Pressure		<u>4.8</u> psi		
Flow	<u>140</u> cfm	<u>180</u> cfm	<u>240</u> cfm	

CARBON SYSTEM

	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	<u>903</u> ppm	<u>0</u> ppm	<u>0</u> ppm	
Temp	<u>21</u> degrees F	<u>70</u> degrees F	<u>70</u> degrees F	

SVE Radius of Influence

Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1		PZ-1		
P-2		PZ-2		
P-4		PZ-3		
P-5		PZ-4		
P-6		PZ-5		
		PZ-6		

LAKEVILLE ROAD
LAKE SUCCESS, NEW YORK

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date 8/6

Inspected By: NSB

Control Panel	Arrival	Departure
System	On <u>Off</u>	<u>On</u> / Off

SVE SYSTEM INSIDE TRAILER

Was Moisture Separator Emptied?	<u>Yes</u> / No
Moisture Disposal Drum	F / 75 / 50 / 25 <u>E</u>
SVE Relief Valve	Open / <u>Closed</u>

SVE WELL READINGS (INSIDE TRAILER)

SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve
RW-1	— cfm	— ppm	— inches of Water	O / 50 / <u>C</u>
RW-2	— cfm	— ppm	— inches of Water	O / 50 / <u>C</u>
RW-3	<u>70</u> cfm	<u>21.2</u> ppm	<u>21</u> inches of Water	<u>C</u> / 50 / C
RW-4	— cfm	— ppm	— inches of Water	O / 50 / <u>C</u>
RW-10	— cfm	— ppm	— inches of Water	O / 50 / <u>C</u>
B-1	— cfm	— ppm	— inches of Water	O / 50 / <u>C</u>
FD-2	<u>54</u> cfm	<u>102</u> ppm	<u>22</u> inches of Water	O / 50 / C
B-3	<u>42</u> cfm	<u>30.0</u> ppm	<u>20</u> inches of Water	O / 50 / C

SVE SYSTEM FLOW

	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum				<u>45</u> inch of Water
Pressure				
Flow	<u>140</u> cfm	<u>180</u> cfm	<u>240</u> cfm	

CARBON SYSTEM

	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	<u>9.4</u> ppm	<u>0</u> ppm	<u>0</u> ppm	
Temp	<u>70</u> degrees F	<u>70</u> degrees F	<u>70</u> degrees F	

SVE Radius of Influence

Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1		PZ-1		
P-2		PZ-2		
P-4		PZ-3		
P-5		PZ-4		
P-6		PZ-5		
		PZ-6		

LAKEVILLE ROAD
LAKE SUCCESS, NEW YORK

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date 8/6

Inspected By: NJB

Control Panel	Arrival	Departure
System	On / <u>Off</u>	<u>On</u> / Off

SVE SYSTEM INSIDE TRAILER	
Was Moisture Separator Emptied?	<u>Yes</u> / No
Moisture Disposal Drum	F / 75 / 50 / 25 / <u>E</u>
SVE Relief Valve	Open / <u>Closed</u>

SVE WELL READINGS (INSIDE TRAILER)				
SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve
RW-1	<u>—</u> cfm	<u>—</u> ppm	<u>—</u> inches of Water	O / 50 / <u>C</u>
RW-2	<u>—</u> cfm	<u>—</u> ppm	<u>—</u> inches of Water	O / 50 / <u>C</u>
RW-3	<u>70</u> cfm	<u>19.9</u> ppm	<u>21</u> inches of Water	<u>C</u> / 50 / C
RW-4	<u>—</u> cfm	<u>—</u> ppm	<u>—</u> inches of Water	O / 50 / <u>C</u>
RW-10	<u>—</u> cfm	<u>—</u> ppm	<u>—</u> inches of Water	O / 50 / <u>C</u>
B-1	<u>—</u> cfm	<u>—</u> ppm	<u>—</u> inches of Water	O / 50 / <u>C</u>
FD-2	<u>54</u> cfm	<u>1.3</u> ppm	<u>22</u> inches of Water	<u>C</u> / 50 / C
B-3	<u>42</u> cfm	<u>2.7</u> ppm	<u>21</u> inches of Water	<u>C</u> / 50 / C

SVE SYSTEM FLOW				
	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum				<u>45</u> inch of Water
Pressure				
Flow	<u>140</u> cfm	<u>140</u> cfm	<u>220</u> cfm	

CARBON SYSTEM				
	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	<u>8.1</u> ppm	<u>10.0</u> ppm	<u>2.4</u> ppm	
Temp	<u>70</u> degrees F	<u>71</u> degrees F	<u>71</u> degrees F	

SVE Radius of Influence				
Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1		PZ-1		
P-2		PZ-2		
P-4		PZ-3		
P-5		PZ-4		
P-6		PZ-5		
		PZ-6		

210 LAKEVILLE ROAD
LAKE SUCCESS, NEW YORK

14hr

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date 8/6

Inspected By: NSB

Control Panel	Arrival	Departure
System	On / Off	On / Off

SVE SYSTEM INSIDE TRAILER

Was Moisture Separator Emptied?	(Yes) No
Moisture Disposal Drum	F / 75 / 50 / 25 / E
SVE Relief Valve	Open / Closed

SVE WELL READINGS (INSIDE TRAILER)

SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve
RW-1	— cfm	— ppm	— inches of Water	O / 50 / C
RW-2	— cfm	— ppm	— inches of Water	O / 50 / C
RW-3	70 cfm	18.5 ppm	24 inches of Water	O / 50 / C
RW-4	— cfm	— ppm	— inches of Water	O / 50 / C
RW-10	— cfm	— ppm	— inches of Water	O / 50 / C
B-1	— cfm	— ppm	— inches of Water	O / 50 / C
FD-2	54 cfm	0.1 ppm	25 inches of Water	O / 50 / C
B-3	40 cfm	2.3 ppm	20 inches of Water	O / 50 / C

SVE SYSTEM FLOW

	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum				48 inch of Water
Pressure		— psi		
Flow	140 cfm	180 cfm	235 cfm	

CARBON SYSTEM

	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	7.2 ppm	0 ppm	0 ppm	
Temp	70 degrees F	70 degrees F	70 degrees F	

SVE Radius of Influence

Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1		PZ-1		
P-2		PZ-2		
P-4		PZ-3		
P-5		PZ-4		
P-6		PZ-5		
		PZ-6		

218 LAKEVILLE ROAD
LAKE SUCCESS, NEW YORK

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date 8/6

Inspected By: N.B.

Control Panel	Arrival	Departure
System	On ☒ Off	On ☒ Off

SVE SYSTEM INSIDE TRAILER

Was Moisture Separator Emptied?	Yes ☒ No
Moisture Disposal Drum	F / 75 / 50 / 25 / E
SVE Relief Valve	Open / ☒ Closed

SVE WELL READINGS (INSIDE TRAILER)

SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve
RW-1	— cfm	— ppm	— inches of Water	O / 50 / ☒
RW-2	— cfm	— ppm	— inches of Water	O / 50 / ☒
RW-3	70 cfm	16.7 ppm	20 inches of Water	C / 50 / C
RW-4	— cfm	— ppm	— inches of Water	O / 50 / ☒
RW-10	— cfm	— ppm	— inches of Water	O / 50 / ☒
B-1	— cfm	— ppm	— inches of Water	O / 50 / ☒
FD-2	53 cfm	1.7 ppm	22 inches of Water	C / 50 / C
B-3	55 cfm	2.3 ppm	21 inches of Water	C / 50 / C

SVE SYSTEM FLOW

	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum				48 inch of Water
Pressure		X psi		
Flow	146 cfm	140 cfm	236 cfm	

CARBON SYSTEM

	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	7.3 ppm	0.0 ppm	0.0 ppm	
Temp	70 degrees F	70 degrees F	74 degrees F	

SVE Radius of Influence

Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1		PZ-1		
P-2		PZ-2		
P-4		PZ-3		
P-5		PZ-4		
P-6		PZ-5		
		PZ-6		

218 LAKEVILLE ROAD
LAKE SUCCESS, NEW YORK

+ 5hr

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date 8/6

Inspected By: MSB

Control Panel	Arrival	Departure
System	On / <u>Off</u>	<u>On</u> / Off

SVE SYSTEM INSIDE TRAILER	
Was Moisture Separator Emptied?	<u>Yes</u> / No
Moisture Disposal Drum	F / 75 / 50 / 25 / <u>E</u>
SVE Relief Valve	Open / <u>Closed</u>

SVE WELL READINGS (INSIDE TRAILER)				
SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve
RW-1	<u>—</u> cfm	<u>—</u> ppm	<u>—</u> inches of Water	O / 50 / <u>O</u>
RW-2	<u>—</u> cfm	<u>—</u> ppm	<u>—</u> inches of Water	O / 50 / <u>O</u>
RW-3	<u>70</u> cfm	<u>16.2</u> ppm	<u>21</u> inches of Water	<u>O</u> / 50 / C
RW-4	<u>—</u> cfm	<u>—</u> ppm	<u>—</u> inches of Water	O / 50 / <u>O</u>
RW-10	<u>—</u> cfm	<u>—</u> ppm	<u>—</u> inches of Water	O / 50 / <u>O</u>
B-1	<u>—</u> cfm	<u>—</u> ppm	<u>—</u> inches of Water	O / 50 / <u>O</u>
FD-2	<u>5-1</u> cfm	<u>1.0</u> ppm	<u>24</u> inches of Water	<u>O</u> / 50 / C
B-3	<u>42</u> cfm	<u>2.4</u> ppm	<u>22</u> inches of Water	<u>O</u> / 50 / C

SVE SYSTEM FLOW				
	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum				<u>45</u> inch of Water
Pressure				
Flow	<u>140</u> cfm	<u>180</u> cfm	<u>234</u> cfm	

CARBON SYSTEM				
	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	<u>6.1</u> ppm	<u>0</u> ppm	<u>0</u> ppm	
Temp	<u>70</u> degrees F	<u>70</u> degrees F	<u>70</u> degrees F	

SVE Radius of Influence				
Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1		PZ-1		
P-2		PZ-2		
P-4		PZ-3		
P-5		PZ-4		
P-6		PZ-5		
		PZ-6		

**218 LAKEVILLE ROAD
LAKE SUCCESS, NEW YORK**

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date 8/6

Inspected By: NSR

Control Panel	Arrival	Departure
System	On ☒ Off	☒ On / Off

SVE SYSTEM INSIDE TRAILER

Was Moisture Separator Emptied?	☒ Yes / No
Moisture Disposal Drum	F / 75 / 50 / 25 / <u>E</u>
SVE Relief Valve	Open / ☒ Closed

SVE WELL READINGS (INSIDE TRAILER)

SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve
RW-1	— cfm	— ppm	— inches of Water	O / 50 ☒
RW-2	— cfm	— ppm	— inches of Water	O / 50 ☒
RW-3	70 cfm	14.1 ppm	21 inches of Water	☒ O / 50 / C
RW-4	— cfm	— ppm	— inches of Water	O / 50 ☒
RW-10	— cfm	— ppm	— inches of Water	O / 50 ☒
B-1	— cfm	— ppm	— inches of Water	O / 50 / ☒
FD-2	54 cfm	0.9 ppm	23 inches of Water	☒ O / 50 / C
B-3	41 cfm	1.9 ppm	22 inches of Water	☒ O / 50 / C

SVE SYSTEM FLOW

	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum				45 inch of Water
Pressure			psi	
Flow	140 cfm	190 cfm	240 cfm	

CARBON SYSTEM

	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	5.6 ppm	0 ppm	0 ppm	
Temp	70 degrees F	70 degrees F	70 degrees F	

SVE Radius of Influence

Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1		PZ-1		
P-2		PZ-2		
P-4		PZ-3		
P-5		PZ-4		
P-6		PZ-5		
		PZ-6		

218 LAKEVILLE ROAD
LAKE SUCCESS, NEW YORK

1, 24
+6hr

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date 8/6

Inspected By: NSB

Control Panel	Arrival	Departure
System	On / Off	On / Off

SVE SYSTEM INSIDE TRAILER	
Was Moisture Separator Emptied?	Yes / No
Moisture Disposal Drum	F / 75 / 50 / 25 / E
SVE Relief Valve	Open / Closed

SVE WELL READINGS (INSIDE TRAILER)				
SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve
RW-1	cfm	ppm	inches of Water	O / 50 / C
RW-2	cfm	ppm	inches of Water	O / 50 / C
RW-3	70 cfm	14.6 ppm	20 inches of Water	O / 50 / C
RW-4	cfm	ppm	inches of Water	O / 50 / C
RW-10	cfm	ppm	inches of Water	O / 50 / C
B-1	cfm	ppm	inches of Water	O / 50 / C
FD-2	54 cfm	3.8 ppm	22 inches of Water	O / 50 / C
B-3	42 cfm	0 ppm	21 inches of Water	O / 50 / C

SVE SYSTEM FLOW				
	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum				45 inch of Water
Pressure			psi	
Flow	140 cfm	140 cfm	240 cfm	

CARBON SYSTEM				
	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	5.4 ppm	0.8 ppm	0.0 ppm	
Temp	75 degrees F	73 degrees F	75 degrees F	

SVE Radius of Influence				
Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1		PZ-1		
P-2		PZ-2		
P-4		PZ-3		
P-5		PZ-4		
P-6		PZ-5		
		PZ-6		

218 LAKEVILLE ROAD
LAKE SUCCESS, NEW YORK

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date 8/6

Inspected By: NJB

Control Panel	Arrival	Departure
System	On / Off	On / Off

SVE SYSTEM INSIDE TRAILER

Was Moisture Separator Emptied?	Yes / No
Moisture Disposal Drum	F / 75 / 50 / 25 / E
SVE Relief Valve	Open / Closed

SVE WELL READINGS (INSIDE TRAILER)

SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve
RW-1	cfm	ppm	inches of Water	O / 50 / C
RW-2	cfm	ppm	inches of Water	O / 50 / C
RW-3	70 cfm	12.8 ppm	21 inches of Water	O / 50 / C
RW-4	cfm	ppm	inches of Water	O / 50 / C
RW-10	cfm	ppm	inches of Water	O / 50 / C
B-1	cfm	ppm	inches of Water	O / 50 / C
FD-2	54 cfm	0 ppm	25 inches of Water	O / 50 / C
B-3	43 cfm	1.4 ppm	21 inches of Water	O / 50 / C

SVE SYSTEM FLOW

	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum				45 inch of Water
Pressure			psi	
Flow	140 cfm	140 cfm	230 cfm	

CARBON SYSTEM

	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	5.8 ppm	0 ppm	0 ppm	
Temp	75 degrees F	75 degrees F	75 degrees F	

SVE Radius of Influence

Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1		PZ-1		
P-2		PZ-2		
P-4		PZ-3		
P-5		PZ-4		
P-6		PZ-5		
		PZ-6		

7/16

218 LAKEVILLE ROAD
LAKE SUCCESS, NEW YORK

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date 9/16

Inspected By: USB

Control Panel	Arrival	Departure
System	On / Off	On / Off

SVE SYSTEM INSIDE TRAILER	
Was Moisture Separator Emptied?	Yes / No
Moisture Disposal Drum	F / 75 / 50 / 25 / E
SVE Relief Valve	Open / Closed

SVE WELL READINGS (INSIDE TRAILER)					
SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve	
RW-1	cfm	ppm	inches of Water	O / 50 / C	
RW-2	cfm	ppm	inches of Water	O / 50 / C	
RW-3	70 cfm	12.9 ppm	21 inches of Water	O / 50 / C	
RW-4	cfm	ppm	inches of Water	O / 50 / C	
RW-10	cfm	ppm	inches of Water	O / 50 / C	
B-1	cfm	ppm	inches of Water	O / 50 / C	
FD-2	55 cfm	1.3 ppm	23 inches of Water	O / 50 / C	
B-3	42 cfm	1.7 ppm	22 inches of Water	O / 50 / C	

SVE SYSTEM FLOW				
	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum				4 1/2 inch of Water
Pressure		psi		
Flow	140 cfm	180 cfm	230 cfm	

CARBON SYSTEM				
	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	5.6 ppm	0.0 ppm	0.0 ppm	
Temp	75 degrees F	75 degrees F	75 degrees F	

SVE Radius of Influence				
Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1		PZ-1		
P-2		PZ-2		
P-4		PZ-3		
P-5		PZ-4		
P-6		PZ-5		
		PZ-6		

LAKEVILLE ROAD
LAKE SUCCESS, NEW YORK

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date 8/16

Inspected By: NSB

Control Panel	Arrival	Departure
System	<u>On</u> / Off	On / <u>Off</u>

SVE SYSTEM INSIDE TRAILER	
Was Moisture Separator Emptied?	Yes / <u>No</u>
Moisture Disposal Drum	F / 75 / 50 / 25 / E
SVE Relief Valve	Open / <u>Closed</u>

SVE WELL READINGS (INSIDE TRAILER)					
SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve	
RW-1	— cfm	— ppm	— inches of Water	O / 50 / <u>C</u>	
RW-2	— cfm	— ppm	— inches of Water	O / 50 / <u>C</u>	
RW-3	<u>68</u> cfm	<u>12.0</u> ppm	<u>21</u> inches of Water	<u>O</u> / 50 / C	
RW-4	— cfm	— ppm	— inches of Water	O / 50 / <u>C</u>	
RW-10	— cfm	— ppm	— inches of Water	O / 50 / <u>C</u>	
B-1	— cfm	— ppm	— inches of Water	O / 50 / <u>C</u>	
FD-2	<u>54</u> cfm	<u>1.7</u> ppm	<u>22</u> inches of Water	<u>O</u> / 50 / C	
B-3	<u>44</u> cfm	<u>1.9</u> ppm	<u>22</u> inches of Water	<u>O</u> / 50 / C	

SVE SYSTEM FLOW				
	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum				<u>23</u> inch of Water
Pressure				
Flow	<u>140</u> cfm	<u>180</u> cfm	<u>240</u> cfm	

CARBON SYSTEM				
	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	<u>5.1</u> ppm	<u>0.0</u> ppm	<u>0.0</u> ppm	
Temp	<u>75</u> degrees F	<u>75</u> degrees F	<u>75</u> degrees F	

SVE Radius of Influence				
Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1		PZ-1		
P-2		PZ-2		
P-4		PZ-3		
P-5		PZ-4		
P-6		PZ-5		
		PZ-6		

LAKEVILLE ROAD
LAKE SUCCESS, NEW YORK

+8hr

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date 8/6

Inspected By: NSM

Control Panel	Arrival	Departure
System	On / <u>Off</u>	<u>On</u> / Off

SVE SYSTEM INSIDE TRAILER	
Was Moisture Separator Emptied?	<u>Yes</u> / No
Moisture Disposal Drum	F / 75 / 50 / 25 / <u>1</u>
SVE Relief Valve	Open / <u>Closed</u>

SVE WELL READINGS (INSIDE TRAILER)				
SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve
RW-1	— cfm	— ppm	— inches of Water	O / 50 / <u>E</u>
RW-2	— cfm	— ppm	— inches of Water	O / 50 / <u>E</u>
RW-3	<u>67</u> cfm	<u>11.7</u> ppm	<u>22</u> inches of Water	<u>O</u> / 50 / C
RW-4	— cfm	— ppm	— inches of Water	O / 50 / <u>E</u>
RW-10	— cfm	— ppm	— inches of Water	O / 50 / <u>C</u>
B-1	— cfm	— ppm	— inches of Water	O / 50 / <u>C</u>
FD-2	<u>55</u> cfm	<u>1.5</u> ppm	<u>23</u> inches of Water	<u>O</u> / 50 / C
B-3	<u>43</u> cfm	<u>1.8</u> ppm	<u>22</u> inches of Water	<u>O</u> / 50 / C

SVE SYSTEM FLOW				
	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum				<u>1.5</u> inch of Water
Pressure				
Flow	<u>140</u> cfm	<u>190</u> cfm	<u>240</u> cfm	

CARBON SYSTEM				
	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	<u>1.6</u> ppm	<u>0.0</u> ppm	<u>0.0</u> ppm	
Temp	<u>75</u> degrees F	<u>75</u> degrees F	<u>75</u> degrees F	

SVE Radius of Influence				
Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1		PZ-1		
P-2		PZ-2		
P-4		PZ-3		
P-5		PZ-4		
P-6		PZ-5		
		PZ-6		

Appendix B

Perc Badge Chain of Custodies and Analytical Data
June - August 2003



WALDEN ASSOCIATES, INC.



Gaisson Laboratories

6601 Kirkville Road

P.O. Box 369

E. Syracuse, NY 13057-0369

Tel: (315) 437-7252 888-577-Labs (5227)

Fax: (315) 437-0571

Request For Industrial Hygiene Analysis

Company Name: Walden Associates Inc Account #:

Site Name: 216 Lake Hill Road and adjoining properties

Sampled By: NSP

Project #: SPCL 00200-1

☐ Check if
change of
address

Report to:

Norm Bradley

Invoice to:

Accounts Payable

16 Spring Street

Same Address

Oyster Bay, NY 11771

Phone: (516) 624-7200

Phone: (516) 222-7200

☐ Purchase order number: _____

☐ Verbal Authorization: _____

☐ Credit Card (type): _____

Card #: _____

Exp Date: _____

☒ Standard Turn-Around Time (5 business days)

☐ Same Day (SD)

Next Day (ND):

☐ 12PM

☐ 5PM

☐ 2 Day

☐ 3 Day

☐ 4 Day

Surcharges: SD = 200%

ND by 12PM = 150%

ND by 5PM = 100%

2 Day = 75%

3 Day = 50%

4 Day = 35%

☐ Fax Results to: _____

Fax #: (____) _____

☒ Email Results to: NBradley@Walden-Assoc.com

Sample Identification	Date Sampled	Sample Medium Catalog # / Lot #	Air Sample Volume (liters)*	Analysis Requested	Method Reference
AZ 2785	6/11/03	3M 3500	1462	PLE	311
* AZ 2467	6/11/03	3M 3500	1463	PCE	311
AZ 2570	6/11/03	3M 3500	1463	PLE	311
* AZ 2340 2430	6/11/03	3M 3500	1462	PCE	311
AZ 2686	6/11/03	3M 3500	1460	PCE	311
AZ 2693	6/11/03	3M 3500	1461	PCE	311
AZ 2465	6/11/03	3M 3500	1465	PCE	311
AZ 2781	6/11/03	3M 3500	1462	PCE	311
AZ 2457	6/11/03	3M 3500	1472	PCE	311
AZ 2426	6/11/03	3M 3500	1441	PCE	311

If blanks are not submitted, our policy states that a laboratory blank will be added for each analyte and it will be charged at the normal rate. IF YOU DO NOT WANT A LABORATORY BLANK ADDED PLEASE CHECK BOX ☐

*For passive monitors please list time exposed in minutes.

Comments (Please list any known interferences present in sampling area): * DID NOT receive

Chain of Custody

Print Name

Signature

Date/Time

Relinquished by:

Norman S Bradley

Norman S Bradley

6/12/03

Received by LAB:

m. Krause

m. Krause

6/13/03 925

Samples received after 3pm will be considered as next day's business.

LAB ORIGINAL



Request For Industrial Hygiene Analysis

Galson Laboratories
6601 Kirkville Road
P.O. Box 369
E. Syracuse, NY 13057-0369
Tel: (315) 437-7252 888-577-Labs (5227)
Fax: (315) 437-0571

Company Name: Walden Associates Inc Account #:
Site Name: 218 Lakeville Road and adjoining properties
Sampled By: NSP Project #: SPGL 002-01

☐ Check if change of Address
Report to: Norm Bradley Invoice to: Accounts Payable
16 Spring Street Same Address
Oyster Bay NY 11771

Phone: (516) 624-7200

Phone: (516) 624-7200

☐ Purchase order number: _____ ☐ Verbal Authorization: _____
☐ Credit Card (type): _____ Card #: _____ Exp Date: _____

☒ Standard Turn-Around Time (5 business days)
☐ Same Day (SD) Next Day (ND) ☐ 12PM ☐ 5PM ☐ 2 Day ☐ 3 Day ☐ 4 Day
Surcharges: SD = 200% ND by 12PM = 150% ND by 5PM = 100% 2 Day = 75% 3 Day = 50% 4 Day = 35%

☐ Fax Results to: _____ Fax #: () _____
☒ Email Results to: NBradley@Walden-Associates.com

Sample Identification	Date Sampled	Sample Medium Catalog # / Lot #	Air Sample Volume (liters)*	Analysis Requested	Method Reference
AZ 2604	6/11/03	3M 3500	1446	PCE	3.1
AZ 2401	6/11/03	3M 3500	1434	PCE	3.1
AZ 2449	6/11/03	3M 3500	1475	PCE	3.1
AZ 2486	6/11/03	3M 3500	1466	PCE	3.1
AZ 2435	6/11/03	3M 3500	1440	PCE	3.1
AZ 2528	6/11/03	3M 3500	1437	PCE	3.1
AZ 2582	6/11/03	3M 3500	1422	PCE	3.1

If blanks are not submitted, our policy states that a laboratory blank will be added for each analyte and it will be charged at the normal rate. IF YOU DO NOT WANT A LABORATORY BLANK ADDED PLEASE CHECK BOX ☐

*For passive monitors please list time exposed in minutes.

Comments (Please list any known interferences present in sampling area): _____

Chain of Custody	Print Name	Signature	Date/Time
Relinquished by:	<u>Norman E Bradley</u>	<u>Norman E Bradley</u>	<u>6/12/03</u>
Received by LAB:	<u>M. Krause</u>	<u>M. Krause</u>	<u>6/13/03 925</u>

Samples received after 3pm will be considered as next day's business.

Appendix D, Part 2

Chain of Custody Forms for Pulse 2 Air Sampling



Galson Laboratories
6601 Kirkville Road
P.O. Box 369
E. Syracuse, NY 13057-0369
Tel: (315) 437-7252 888-577-Labs (5227)
Fax: (315) 437-0571

Request For Industrial Hygiene Analysis

Company Name: Walden Associates Inc. Account #:
Site Name: 218 Lakeville Road and adjoining properties
Sampled By: N/SB Project #: SPGL0020001

☐ Check if
Change of
Address

Report to: Norm Bradley
16 Spring Street
Custer Bay, NY 11777

Invoice to: Accounts Payable
(Same Address)

Phone: (516) 624 7200

Phone: (516) 624-7200

☐ Purchase order number: _____ ☐ Verbal Authorization: _____

☐ Credit Card (type): _____ Card #: _____ Exp Date: _____

☒ Standard Turn-Around Time (5 business days):

☐ Same Day (SD) Next Day (ND) ☐ 12PM ☐ 5PM ☐ 2 Day ☐ 3 Day ☐ 4 Day
Surcharges: SD = 200% ND by 12PM = 150% ND by 5PM = 100% 2 Day = 75% 3 Day = 50% 4 Day = 35%

☐ Fax Results to: _____ Fax #: () _____

☒ Email Results to: N.Bradley@Walden-Assoc.com

Sample Identification	Date Sampled	Sample Medium Catalog # / Lot #	Air Sample Volume (liters)*	Analysis Requested	Method Reference
AZ 2569	7/9/03	3M 3500	1326	PCE	311.9
AZ 2498	7/9/03	3M 3500	1327	PCE	311.9
AZ 2544	7/9/03	3M 3500	1325	PCE	311.9
AZ 2453	7/9/03	3M 3500	1327	PCE	311.9
AZ 2389	7/9/03	3M 3500	1377	PCE	311.9
AZ 2459	7/9/03	3M 3500	1376	PCE	311.9
AZ 2847	7/9/03	3M 3500	1337	PCE	311.9
AZ 2519	7/9/03	3M 3500	1334	PCE	311.9
~~QA~~ QI-7029	7/9/03	3M 3500	1334	PCE	311.9
AZ 2629	7/9/03	3M 3500	1319	PCE	311.9

If blanks are not submitted, our policy states that a laboratory blank will be added for each analyte and it will be charged at the normal rate. IF YOU DO NOT WANT A LABORATORY BLANK ADDED PLEASE CHECK BOX ☐

*For passive monitors please list time exposed in minutes.

Comments (Please list any known interferences present in sampling area): _____

Chain of Custody	Print Name	Signature	Date/Time
Relinquished by:	<u>Norman S Bradley</u>	<u>Norman S Bradley</u>	<u>7/9/03 5pm</u>
Received by LAB:	<u>Candice Taylor</u>	<u>C. Taylor</u>	<u>07-12-03 A11:39 15</u>

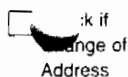
Samples received after 3pm will be considered as next day's business.



Galson Laboratories
6601 Kirkville Road
P.O. Box 369
E. Syracuse, NY 13057-0369
Tel: (315) 437-7252 888-577-Labs (5227)
Fax: (315) 437-0571

Request For Industrial Hygiene Analysis

Company Name: Walden Associates Inc Account #: _____
Site Name: 218 Lakeville Road and adjoining properties
Sampled By: NSB Project #: SPGL 0020001



Report to: Norman Bradley
16 Spring Street
Oyster Bay, NY 11771

Invoice to: ACCOUNTS Payable
(Same address)

Phone: (516) 624-7200

Phone: (516) 624-7200

☐ Purchase order number: _____ ☐ Verbal Authorization: _____

☐ Credit Card (type): _____ Card #: _____ Exp Date: _____

☒ Standard Turn-Around Time (5 business days)

☐ Same Day (SD) Next Day (ND) ☐ 12PM ☐ 5PM

☐ 2 Day ☐ 3 Day ☐ 4 Day

Surcharges: SD = 200% ND by 12PM = 150% ND by 5PM = 100% 2 Day = 75% 3 Day = 50% 4 Day = 35%

☐ Fax Results to: _____ Fax #: () _____

☒ Email Results to: N.Bradley@Walden-Assoe.com

Sample Identification	Date Sampled	Sample Medium Catalog # / Lot #	Air Sample Volume (liters)*	Analysis Requested	Method Reference
AZ 2687	7/9/03	3M 3500	1314	PCE	311.9
AZ 2731	7/9/03	3M 3500	1321	PCE	311.9
AZ 2644	7/9/03	3M 3500	1324	PCE	311.9
AZ 2747	7/9/03	3M 3500	1325	PCE	311.9
AZ 2715	7/9/03	3M 3500	1435	PCE	311.9
AZ 2728	7/9/03	3M 3500	1436	PCE	311.9
AZ 2809	7/9/03	3M 3500	1440	PCE	311.9

If blanks are not submitted, our policy states that a laboratory blank will be added for each analyte and it will be charged at the normal rate. IF YOU DO NOT WANT A LABORATORY BLANK ADDED PLEASE CHECK BOX ☐

*For passive monitors please list time exposed in minutes.

Comments (Please list any known interferences present in sampling area): _____

Chain of Custody	Print Name	Signature	Date/Time
Relinquished by:	<u>Norman S. Bradley</u>	<u>Norman S. Bradley</u>	<u>7/9/03 5pm</u>
Received by LAB:	<u>Candice Taylor</u>	<u>C. Taylor</u>	<u>07-12-03 11:59 AM</u>

Samples received after 3pm will be considered as next day's business.

Appendix D, Part 3

Chain of Custody Forms for Pulse 3 Air Sampling

Analysis

E. Syracuse, NY 13057-0369
Tel: (315) 437-7252 888-577-Labs (5227)
Fax: (315) 437-0571

Company Name: Walden Associates Inc. Account #:
Site Name: 218 Lakeville Rd and adjoining properties
Sampled By: NSP Project #: SPGL ccl co.1

☐ Check if Change of Address

Report to: Norm Bradley Invoice to: Accounts Payable
16 Spring Street (Same address)
Oyster Bay, NY 11771

Phone: (516) 624-7200 Phone: ()

☐ Purchase order number: _____ ☐ Verbal Authorization: _____

☐ Credit Card (type): _____ Card #: _____ Exp Date: _____

☒ Standard Turn-Around Time (5 business days)

☐ Same Day (SD) Next Day (ND) ☐ 12PM ☐ 5PM ☐ 2 Day ☐ 3 Day ☐ 4 Day

Surcharges: SD = 200% ND by 12PM = 150% ND by 5PM = 100% 2 Day = 75% 3 Day = 50% 4 Day = 35%

☐ Fax Results to: _____ Fax #: () _____

☒ Email Results to: NBradley@Walden-Assoc.com

Sample Identification	Date Sampled	Sample Medium Catalog # / Lot #	Air Sample Volume (liters)*	Analysis Requested	Method Reference
AZ 2840	7/31/03	3M3500	1434	PCE	311.9
AZ 2672	7/31/03	3M3500	1434	PCE	311.9
AZ 2599	7/31/03	3M3500	1433	PCE	311.9
AZ 2837	7/31/03	3M3500	1436	PCE	311.9
AZ 2681	7/31/03	3M3500	1432	PCE	311.9
AZ 2631	7/31/03	3M3500	1432	PCE	311.9
AZ 3304	7/31/03	3M3500	1318	PCE	311.9
AZ 3357	7/31/03	3M3500	1319	PCE	311.9
AZ 2396	7/31/03	3M3500	1319	PCE	311.9
AZ 2691	7/31/03	3M3500	1441	PCE	311.9

If blanks are not submitted, our policy states that a laboratory blank will be added for each analyte and it will be charged at the normal rate. IF YOU DO NOT WANT A LABORATORY BLANK ADDED PLEASE CHECK BOX ☐

*For passive monitors please list time exposed in minutes.

Comments (Please list any known interferences present in sampling area): _____

Chain of Custody	Print Name	Signature	Date/Time
Relinquished by:	<u>Norman S Bradley</u>	<u>Norman S Bradley</u>	<u>7/31/03</u>
Received by LAB:	<u>M. Krause</u>	<u>M. Krause</u>	<u>8/4/03 7:15 pm</u>

Samples received after 3pm will be considered as next day's business.

LAB ORIGINAL

We ran out of Chain-of-Custody forms from Galson. Pl
perform the same tests on the following samples

Sample ID	Date	Sample Medium	Volume	Analysis	μ
AZ 2786	7/31	3M3500	1440	PCE	31
AZ 2757	7/31	3M3500	1439	PCE	31
AZ 2401	7/31	3M3500	1419	PCE	31
AZ 3328	7/31	3M3500	1419	PCE	311
AZ 2586	7/31	3M3500	1430	PCE	311
AZ 3302	7/31	3M3500	1429	PCE	311.9
AZ 2733	7/31	3M3500	1439	PCE	311.9

Thank you for your assistance

Norman S Bradley

Norman S Bradley 7/31/03

* Three blanks were submitted, 3500 ovms? or
returns? (SK)

Return
to client
per PPD
8/4/03



6601 KAY LANE
P.O. BOX 1000
1315-442-5227
FAX 1315-442-1111
WWW.GALSONLABS.COM

Mr. Norman Bradley
Walden Associates, Inc.
16 Spring Street
Oyster Bay, NY 11771

June 20, 2003

DOH ELAP# 11626

Account# 14317

Login# L93929

Dear Mr. Bradley:

Enclosed are the analytical results of the samples received by our laboratory June 13, 2003. All test results meet the quality control requirements of AIHA and NELAP unless otherwise stated in this report.

Results in this report are based on the sampling data provided by the client and refer only to items tested. Unless otherwise requested, all samples will be discarded thirty days from the date of this report.

We strive to make our reporting format clear and understandable and hope you are thoroughly satisfied with our services.

Galson Laboratories is uniquely qualified to meet your needs for accurate and timely industrial hygiene analyses. Accredited by the American Industrial Hygiene Association since 1976, we perform all analyses according to NIOSH or OSHA-approved analytical methods. Galson Laboratories is committed to providing quality analyses and exceptional customer service.

Please contact your client service representative, Pam Weaver at (888) 577-5227, extension 116, if you would like any additional information regarding this report.

Thank you for using Galson Laboratories.

Sincerely,

Galson Laboratories

F. Joseph Unangst
Laboratory Director

Enclosure(s)

Galson Laboratories

6601 Kirkville Rd. E. Syracuse, NY 13057

LABORATORY ANALYSIS REPORT

Client : Walden Associates, Inc.
Site : 218 Lakeville Rd & Adjoin. Prp
Project No. : SPGL 00200.1

Date Sampled : 11-JUN-03 Account No. : 14317
Date Received : 13-JUN-03 Login No. : L93929
Date Analyzed : 18-JUN-03 - 19-JUN-03

Perchloroethylene

Sample ID	Lab ID	Time minutes	Total ug	Conc ug/m3
AZ 2785	L93929-1	1462	0.1	2.3
AZ 2647	L93929-2	1463	0.1	2.3
AZ 2570	L93929-3	1463	0.09	2.1
AZ 2340	L93929-4	1462	0.06	1.4
AZ 2686	L93929-5	1460	0.08	2.1
AZ 2693	L93929-6	1461	0.18	4.2
AZ 2465	L93929-7	1465	19.4	466
AZ 2781	L93929-8	1462	14.0	361
AZ 2457	L93929-9	1472	17.9	427
AZ 2426	L93929-10	1441	4.47	106
AZ 2649	L93929-11	1440	2.43	58
AZ 2461	L93929-12	1434	0.93	22
AZ 2449	L93929-13	1475	16.4	381
AZ 2486	L93929-14	1466	20.6	486
AZ 2435	L93929-15	1440	0.24	5.7
AZ 2528	L93929-16	1437	0.04	1.0
AZ 2582	L93929-17	1422	0.04	1.0

COMMENTS: Total ug corrected for a desorption efficiency of 103%.

Level of quantitation: 0.03 ug
Analytical Method : NYS DOH 311-9
OSHA PEL (TWA) : 100 ppm
Collection Media : OVM

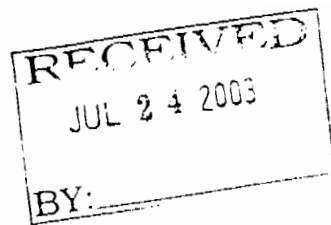
Submitted by: AS
Approved by : JMT
Date : 19-JUN-03
QC by: QC STAFF
NYS DOH # : 11626

< -Less Than mg -Milligrams m3 -Cubic Meters kg -Kilograms
> -Greater Than ug -Micrograms l -Liters NS -Not Specified
NA -Not Applicable ND -Not Detected ppm -Parts per Million

Appendix E, Part 2
Pulse 2 Air Sampling Results



6601 Kipkiss Road
Salem, Oregon, OR 97307
(503) 480-8000
Fax: (503) 480-8001
www.galson.com



Mr. Norman Bradley
Walden Associates, Inc.
16 Spring Street
Oyster Bay, NY 11771

July 21, 2003

DOH ELAP# 11626

Account# 14317

Login# L94816

Dear Mr. Bradley:

Enclosed are the analytical results of the samples received by our laboratory July 14, 2003. All test results meet the quality control requirements of AIHA and NELAP unless otherwise stated in this report.

Results in this report are based on the sampling data provided by the client and refer only to items tested. Unless otherwise requested, all samples will be discarded thirty days from the date of this report.

Please contact your client service representative, Pam Weaver at (888) 577-5227, extension 116, if you would like any additional information regarding this report.

Thank you for using Galson Laboratories.

Sincerely,

Galson Laboratories

F. Joseph Unangst
Laboratory Director

Enclosure(s)



5501 KAY...
East...
...
...
...

LABORATORY ANALYSIS REPORT

Client : Walden Associates, Inc.
Site : 218 Lakeville Rd & Adj. Proper
Project No. : SPGL0020001

Date Sampled : 09-JUL-03
Date Received : 14-JUL-03
Date Analyzed : 16-JUL-03 - 17-JUL-03

Account No.: 14317
Login No. : L94816

Perchloroethylene

Sample ID	Lab ID	Time minutes	Total ug	Conc ug/ml
AZ2569	L94816-1	1326	0.1	2.4
AZ2498	L94816-2	1327	0.09	2.3
AZ2544	L94816-3	1325	0.1	2.6
AZ2453	L94816-4	1327	0.08	2.1
AZ2389	L94816-5	1377	0.09	2.2
AZ2459	L94816-6	1376	0.14	3.5
AZ2847	L94816-7	1337	51.8	1330
AZ2519	L94816-8	1339	30.5	781
QI7029	L94816-9	1334	23.9	614
AZ2629	L94816-10	1319	4.13	107
AZ2687	L94816-11	1319	1.42	37
AZ2731	L94816-12	1321	0.72	19
AZ2644	L94816-13	1324	17.3	448
AZ2747	L94816-14	1325	22.2	574
AZ2715	L94816-15	1435	<0.03	<0.7
AZ2728	L94816-16	1436	0.22	5.2
AZ2809	L94816-17	1440	<0.03	<0.7

COMMENTS: Total ug corrected for a desorption efficiency of 103%.

Level of quantitation: 0.03 ug
Analytical Method : NYS DOH 311-9
OSHA PEL (TWA) : 100 ppm
Collection Media : OVM

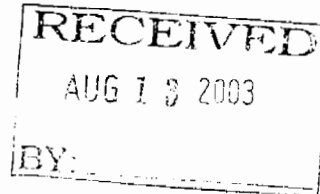
Submitted by: AS
Approved by : jmt
Date : 21-JUL-03
QC by: *AS*
NYS DOH # : 11626

< -Less Than mg -Milligrams m3 -Cubic Meters kg -Kilograms
> -Greater Than ug -Micrograms l -Liters NS -Not Specified
N* -Not Applicable ND -Not Detected ppm -Parts per Million

Appendix E, Part 3
Pulse 3 Air Sampling Results



6601 KAY STREET, R34
EAST SYRACUSE, NY 13057
(315) 432-5227
FAX: (315) 437-0571
www.galsonlabs.com



FILE COPY

Mr. Norman Bradley
Walden Associates, Inc.
16 Spring Street
Oyster Bay, NY 11771

August 11, 2003

DOH ELAP# 11626

Account# 14317

Login# L95480

Dear Mr. Bradley:

Enclosed are the analytical results of the samples received by our laboratory August 04, 2003. All test results meet the quality control requirements of AIHA and NELAC unless otherwise stated in this report.

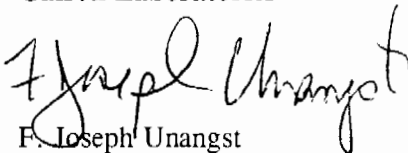
Results in this report are based on the sampling data provided by the client and refer only to items tested. Unless otherwise requested, all samples will be discarded thirty days from the date of this report.

Please contact your client service representative, Pam Weaver at (888) 577-5227, extension 116, if you would like any additional information regarding this report.

Thank you for using Galson Laboratories.

Sincerely,

Galson Laboratories


F. Joseph Unangst
Laboratory Director

Enclosure(s)

Galson Laboratories

6601 Kirkville Rd. E. Syracuse, NY 13057

LABORATORY ANALYSIS REPORT

Client : Walden Associates, Inc.
Site : 218 Lakeville Rd./Properties
Project No. : SPGC 00200.1

Date Sampled : 31-JUL-03 Account No.: 14317
Date Received : 04-AUG-03 Login No. : L95480
Date Analyzed : 08-AUG-03 - 09-AUG-03

Perchloroethylene

Sample ID	Lab ID	Time minutes	Total ug	Conc ug/m3
AZ 2840	L95480-1	1434	0.07	1.7
AZ 2672	L95480-2	1434	0.07	1.7
AZ 2599	L95480-3	1433	0.07	1.7
AZ 2837	L95480-4	1436	0.05	1.2
AZ 2681	L95480-5	1432	0.06	1.4
AZ 2631	L95480-6	1432	0.11	2.6
AZ 3304	L95480-7	1318	10.9	283
AZ 3357	L95480-8	1319	5.51	143
AZ 2396	L95480-9	1319	5.53	144
AZ 2691	L95480-10	1441	0.9	21
AZ 2786	L95480-11	1440	0.54	13
AZ 2757	L95480-12	1439	0.29	6.9
AZ 2401	L95480-13	1419	5.79	140
AZ 3328	L95480-14	1419	10.1	244
AZ 2586	L95480-15	1430	<0.03	<0.7
AZ 3302	L95480-16	1429	0.03	0.7
AZ 2733	L95480-17	1439	<0.03	<0.7

COMMENTS: Total ug corrected for a desorption efficiency of 103%.

Level of quantitation: 0.03 ug
Analytical Method : NYS DOH 311-9
OSHA PEL (TWA) : 100 ppm
Collection Media : OVM

Submitted by: LL
Approved by : jmt
Date : 11-AUG-03
QC by: QC STAFF
NYS DOH # : 11626

< -Less Than mg -Milligrams m3 -Cubic Meters kg -Kilograms
> -Greater Than ug -Micrograms l -Liters NS -Not Specified
NA -Not Applicable ND -Not Detected ppm -Parts per Million

Appendix C

Groundwater Sampling Chain-of-Custodies, Reports, and Validations
June - August 2003



WALDEN ASSOCIATES, INC.

ANALYTICAL REPORT

JOB NUMBER: 203937

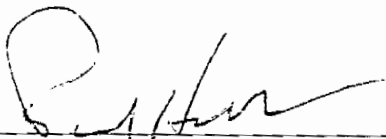
Prepared For:

Walden Associates
16 SPRING STREET
OYSTER BAY, NY 11771

Project: 218 LAKEVILLE RD

Attention: Stephen Byatt

Date: 07/03/2003



Signature

Name: Paul T. Hobart

Title: Project Manager

E-Mail: phobart@stl-inc.com

7/3/03

Date

STL Connecticut
128 Long Hill Cross Road
Shelton, CT 06484

Date: 07/03/2003

Project Number..... 20000828
Customer Project ID..... 218 LAKEVILLE RD
Project Description..... 218 Lakeville Road Associates

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
203937-1	MW-1	Water	06/17/2003	11:11	06/18/2003	11:11
203937-2	MW-2	Water	06/17/2003	13:00	06/18/2003	11:11
203937-3	MW-3	Water	06/18/2003	11:50	06/18/2003	11:11
203937-4	MW-4	Water	06/17/2003	15:30	06/18/2003	11:11
203937-5	MW-5	Water	06/18/2003	11:45	06/18/2003	11:11
203937-6	MW-99 (DUP)	Water	06/17/2003	11:15	06/18/2003	11:11
203937-7	TS-1	Water	06/17/2003	09:01	06/18/2003	11:11
203937-8	TS-1	Water	06/17/2003	11:50	06/18/2003	11:11

LABORATORY TEST RESULTS

Job Number: 203937

Date: 06/25/2003

PROJECT: 21B LAKEVILLE ROAD A

ATTN: Stephen Byatt

CUSTOMER: Walden Associates

Customer Sample ID: MW-1
 Date Sampled: 06/17/2003
 Time Sampled: 11:15
 Sample Matrix: Water
 Laboratory Sample ID: 203937-1
 Date Received: 06/18/2003
 Time Received: 17:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RI	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
82608	Volatile Organics (5mL Purge)	ND	U		1	5	1.00000	ug/L	18695		06/24/03 0335	clmn
	Chloromethane	ND	U		1	5	1.00000	ug/L	18695		06/24/03 0335	clmn
	Vinyl chloride	ND	U		3	5	1.00000	ug/L	18695		06/24/03 0335	clmn
	Bromomethane	ND	U		0.8	5	1.00000	ug/L	18695		06/24/03 0335	clmn
	Chloroethane	ND	U		0.8	5	1.00000	ug/L	18695		06/24/03 0335	clmn
	1,1-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0335	clmn
	Carbon disulfide	ND	U		2	5	1.00000	ug/L	18695		06/24/03 0335	clmn
	Acetone	ND	U		0.4	10	1.00000	ug/L	18695		06/24/03 0335	clmn
	Methylene chloride	ND	U	B	0.6	5	1.00000	ug/L	18695		06/24/03 0335	clmn
	trans-1,2-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0335	clmn
	1,1-Dichloroethane	ND	U		2	5	1.00000	ug/L	18695		06/24/03 0335	clmn
	Vinyl acetate	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0335	clmn
	cis-1,2-Dichloroethene	ND	U		1	10	1.00000	ug/L	18695		06/24/03 0335	clmn
	2-Butanone (MEK)	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0335	clmn
	Chloroform	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0335	clmn
	1,1,1-Trichloroethane	ND	U		0.3	5	1.00000	ug/L	18695		06/24/03 0335	clmn
	Carbon tetrachloride	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0335	clmn
	Benzene	ND	U		0.3	5	1.00000	ug/L	18695		06/24/03 0335	clmn
	1,2-Dichloroethane	ND	U		0.7	5	1.00000	ug/L	18695		06/24/03 0335	clmn
	Trichloroethene	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0335	clmn
	1,2-Dichloropropane	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0335	clmn
	Bromodichloromethane	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0335	clmn
	cis-1,3-Dichloropropene	ND	U		0.5	10	1.00000	ug/L	18695		06/24/03 0335	clmn
	4-Methyl-2-pentanone (MIBK)	ND	U		0.5	5	1.00000	ug/L	18695		06/24/03 0335	clmn
	Toluene	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0335	clmn
	trans-1,3-Dichloropropene	ND	U		0.8	5	1.00000	ug/L	18695		06/24/03 0335	clmn
	1,1,2-Trichloroethane	ND	U		0.3	5	1.00000	ug/L	18695		06/24/03 0335	clmn
	Tetrachloroethene	ND	U		1	10	1.00000	ug/L	18695		06/24/03 0335	clmn
	2-Hexanone	ND	U									

LABORATORY TEST RESULTS

Job Number: 203937

Date: 06/25/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Byatt

Customer Sample ID: MW-1
Date Sampled.....: 06/17/2003
Time Sampled.....: 11:15
Sample Matrix.....: Water

Laboratory Sample ID: 203937-1
Date Received.....: 06/18/2003
Time Received.....: 17:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDI	RI	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U	0.2	5	1.00000	ug/L	18695		06/24/03 0335	clm
	Chlorobenzene	ND	U	0.2	5	1.00000	ug/L	18695		06/24/03 0335	clm
	Ethylbenzene	ND	U	0.3	5	1.00000	ug/L	18695		06/24/03 0335	clm
	Styrene	ND	U	0.4	5	1.00000	ug/L	18695		06/24/03 0335	clm
	Bromoform	ND	U	0.4	5	1.00000	ug/L	18695		06/24/03 0335	clm
	1,1,2,2-Tetrachloroethane	ND	U	0.7	5	1.00000	ug/L	18695		06/24/03 0335	clm
	Xylenes (total)	ND	U	1	5	1.00000	ug/L	18695		06/24/03 0335	clm

* In Description = Dry Unit.

Job Number: 203937

Date: 06/25/2003

LABORATORY TEST RESULTS

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Byatt

CUSTOMER: Walden Associates

Customer Sample ID: MW-2

Date Sampled: 06/17/2003

Time Sampled: 13:00

Sample Matrix: Water

Laboratory Sample ID: 203937-2

Date Received: 06/18/2003

Time Received: 17:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDI	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)	ND	U		1	5	1.00000	ug/L	18695		06/24/03 0228	chm
	Chloromethane	ND	U		1	5	1.00000	ug/L	18695		06/24/03 0228	chm
	Vinyl chloride	ND	U		5	5	1.00000	ug/L	18695		06/24/03 0228	chm
	Bromomethane	ND	U		0.8	5	1.00000	ug/L	18695		06/24/03 0228	chm
	Chloroethane	ND	U		0.8	5	1.00000	ug/L	18695		06/24/03 0228	chm
	1,1-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0228	chm
	Carbon disulfide	ND	U		2	5	1.00000	ug/L	18695		06/24/03 0228	chm
	Acetone	ND	U		0.4	10	1.00000	ug/L	18695		06/24/03 0228	chm
	Methylene chloride	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0228	chm
	trans-1,2-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0228	chm
	1,1-Dichloroethane	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0228	chm
	Vinyl acetate	ND	U		2	5	1.00000	ug/L	18695		06/24/03 0228	chm
	cis-1,2-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0228	chm
	2-Butanone (MEK)	ND	U		1	10	1.00000	ug/L	18695		06/24/03 0228	chm
	Chloroform	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0228	chm
	1,1,1-Trichloroethane	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0228	chm
	Carbon tetrachloride	ND	U		0.5	5	1.00000	ug/L	18695		06/24/03 0228	chm
	Benzene	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0228	chm
	1,2-Dichloroethane	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0228	chm
	Trichloroethene	ND	U		0.7	5	1.00000	ug/L	18695		06/24/03 0228	chm
	1,2-Dichloropropane	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0228	chm
	Bromodichloromethane	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0228	chm
	cis-1,3-Dichloropropene	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0228	chm
	4-Methyl-2-pentanone (MIBK)	ND	U		0.5	10	1.00000	ug/L	18695		06/24/03 0228	chm
	Toluene	ND	U		0.5	5	1.00000	ug/L	18695		06/24/03 0228	chm
	trans-1,3-Dichloropropene	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0228	chm
	1,1,2-Trichloroethane	ND	U		0.8	5	1.00000	ug/L	18695		06/24/03 0228	chm
	Tetrachloroethene	ND	U		0.5	5	1.00000	ug/L	18695		06/24/03 0228	chm
	2-Hexanone	ND	U		1	10	1.00000	ug/L	18695		06/24/03 0228	chm

LABORATORY TEST RESULTS

Job Number: 203937

Date: 06/25/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Byatt

Customer Sample ID: MW-2
Date Sampled.....: 06/17/2003
Time Sampled.....: 13:00
Sample Matrix.....: Water

Laboratory Sample ID: 203937-2
Date Received.....: 06/18/2003
Time Received.....: 17:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDI	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.2	5	1.00000	ug/L	18695		06/24/03 0228	clm
	Chlorobenzene	ND	U		0.2	5	1.00000	ug/L	18695		06/24/03 0228	clm
	Ethylbenzene	ND	U		0.3	5	1.00000	ug/L	18695		06/24/03 0228	clm
	Styrene	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0228	clm
	Bromoform	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0228	clm
	1,1,2,2-Tetrachloroethane	ND	U		0.7	5	1.00000	ug/L	18695		06/24/03 0228	clm
	Xylenes (total)	ND	U		1	5	1.00000	ug/L	18695		06/24/03 0228	clm

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 203937

Date: 06/25/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKVILLE ROAD A

ATTN: Stephen Byatt

Customer Sample ID: MW-3
Date Sampled: 06/18/2003
Time Sampled: 11:50
Sample Matrix: Water

Laboratory Sample ID: 203937-3
Date Received: 06/18/2003
Time Received: 17:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDA	RI	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
82608	Volatile Organics (5mL Purge)	ND	U		1	5	1.00000	ug/L	18695		06/24/03 0302	chem
	Chloromethane	ND	U		1	5	1.00000	ug/L	18695		06/24/03 0302	chem
	Vinyl chloride	ND	U		5	5	1.00000	ug/L	18695		06/24/03 0302	chem
	Bromomethane	ND	U		0.8	5	1.00000	ug/L	18695		06/24/03 0302	chem
	Chloroethane	ND	U		0.8	5	1.00000	ug/L	18695		06/24/03 0302	chem
	1,1-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0302	chem
	Carbon disulfide	ND	U		2	5	1.00000	ug/L	18695		06/24/03 0302	chem
	Acetone	ND	U		2	10	1.00000	ug/L	18695		06/24/03 0302	chem
	Methylene chloride	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0302	chem
	trans-1,2-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0302	chem
	1,1-Dichloroethane	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0302	chem
	Vinyl acetate	ND	U		2	5	1.00000	ug/L	18695		06/24/03 0302	chem
	cis-1,2-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0302	chem
	2-Butanone (MEK)	ND	U		1	10	1.00000	ug/L	18695		06/24/03 0302	chem
	Chloroform	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0302	chem
	1,1,1-Trichloroethane	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0302	chem
	Carbon tetrachloride	ND	U		0.5	5	1.00000	ug/L	18695		06/24/03 0302	chem
	Benzene	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0302	chem
	1,2-Dichloroethane	ND	U		0.5	5	1.00000	ug/L	18695		06/24/03 0302	chem
	Trichloroethene	ND	U		0.7	5	1.00000	ug/L	18695		06/24/03 0302	chem
	Bromodichloromethane	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0302	chem
	cis-1,3-Dichloropropene	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0302	chem
	4-Methyl-2-pentanone (MIBK)	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0302	chem
	Toluene	ND	U		0.5	10	1.00000	ug/L	18695		06/24/03 0302	chem
	trans-1,3-Dichloropropene	ND	U		0.5	5	1.00000	ug/L	18695		06/24/03 0302	chem
	1,1,2-Trichloroethane	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0302	chem
	Tetrachloroethene	ND	U		0.3	5	1.00000	ug/L	18695		06/24/03 0302	chem
	2-Hexanone	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0302	chem
		ND	U		0.3	10	1.00000	ug/L	18695		06/24/03 0302	chem
		ND	U		1	10	1.00000	ug/L	18695		06/24/03 0302	chem

LABORATORY TEST RESULTS

Job Number: 203937

Date: 06/25/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Byatt

Customer Sample ID: MW-3
Date Sampled.....: 06/18/2003
Time Sampled.....: 11:50
Sample Matrix.....: Water

Laboratory Sample ID: 203937-3
Date Received.....: 06/18/2003
Time Received.....: 17:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDI	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.2	5	1.00000	ug/L	18695		06/24/03 0302	clmm
	Chlorobenzene	ND	U		0.2	5	1.00000	ug/L	18695		06/24/03 0302	clmm
	Ethylbenzene	ND	U		0.3	5	1.00000	ug/L	18695		06/24/03 0302	clmm
	Styrene	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0302	clmm
	Bromoform	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0302	clmm
	1,1,2,2-Tetrachloroethane	ND	U		0.7	5	1.00000	ug/L	18695		06/24/03 0302	clmm
	Xylenes (total)	ND	U		1	5	1.00000	ug/L	18695		06/24/03 0302	clmm

LABORATORY TEST RESULTS				Date: 06/25/2003							
Job Number: 203937				ATTN: Stephen Byatt							
CUSTOMER: Walden Associates				PROJECT: 218 LAKEVILLE ROAD A							
Customer Sample ID: MW-4				Laboratory Sample ID: 203937-4							
Date Sampled: 06/17/2003				Date Received: 06/18/2003							
Time Sampled: 15:30				Time Received: 17:10							
Sample Matrix: Water											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDI	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
82608	Volatile Organics (5ml. Purge)	ND									
	Chloromethane	ND	U		5	1.00000	ug/L	18695		06/24/03 0049	chm
	Vinyl chloride	ND	U		5	1.00000	ug/L	18695		06/24/03 0049	chm
	Bromomethane	ND	U		5	1.00000	ug/L	18695		06/24/03 0049	chm
	Chloroethane	ND	U	0.8	5	1.00000	ug/L	18695		06/24/03 0049	chm
	1,1-Dichloroethene	ND	U	0.8	5	1.00000	ug/L	18695		06/24/03 0049	chm
	Carbon disulfide	ND	U	0.6	5	1.00000	ug/L	18695		06/24/03 0049	chm
	Acetone	ND	U	2	10	1.00000	ug/L	18695		06/24/03 0049	chm
	Methylene chloride	ND	U	0.4	5	1.00000	ug/L	18695		06/24/03 0049	chm
	trans-1,2-Dichloroethene	ND	U	0.6	5	1.00000	ug/L	18695		06/24/03 0049	chm
	1,1-Dichloroethane	ND	U	0.5	5	1.00000	ug/L	18695		06/24/03 0049	chm
	Vinyl acetate	ND	U	2	5	1.00000	ug/L	18695		06/24/03 0049	chm
	cis-1,2-Dichloroethene	ND	U	0.5	5	1.00000	ug/L	18695		06/24/03 0049	chm
	2-Butanone (MEK)	ND	U	0.5	10	1.00000	ug/L	18695		06/24/03 0049	chm
	Chloroform	ND	U	0.6	5	1.00000	ug/L	18695		06/24/03 0049	chm
	1,1,1-Trichloroethane	ND	U	0.5	5	1.00000	ug/L	18695		06/24/03 0049	chm
	Carbon tetrachloride	ND	U	0.5	5	1.00000	ug/L	18695		06/24/03 0049	chm
	Benzene	ND	U	0.4	5	1.00000	ug/L	18695		06/24/03 0049	chm
	1,2-Dichloroethane	ND	U	0.5	5	1.00000	ug/L	18695		06/24/03 0049	chm
	Trichloroethene	ND	U	0.7	5	1.00000	ug/L	18695		06/24/03 0049	chm
	1,2-Dichloropropane	ND	U	0.6	5	1.00000	ug/L	18695		06/24/03 0049	chm
	Bromodichloromethane	ND	U	0.6	5	1.00000	ug/L	18695		06/24/03 0049	chm
	cis-1,3-Dichloropropene	ND	U	0.6	5	1.00000	ug/L	18695		06/24/03 0049	chm
	4-Methyl-2-pentanone (MIBK)	ND	U	0.6	5	1.00000	ug/L	18695		06/24/03 0049	chm
	Toluene	ND	U	0.5	10	1.00000	ug/L	18695		06/24/03 0049	chm
	trans-1,3-Dichloropropene	ND	U	0.5	5	1.00000	ug/L	18695		06/24/03 0049	chm
	1,1,2-Trichloroethane	ND	U	0.4	5	1.00000	ug/L	18695		06/24/03 0049	chm
	Tetrachloroethene	ND	U	0.5	5	1.00000	ug/L	18695		06/24/03 0049	chm
	2-Hexanone	ND	U	0.4	10	1.00000	ug/L	18695		06/24/03 0049	chm

LABORATORY TEST RESULTS

Job Number: 203937

Date: 06/25/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Byatt

Customer Sample ID: MW-4
Date Sampled.....: 06/17/2003
Time Sampled.....: 15:30
Sample Matrix.....: Water

Laboratory Sample ID: 203937-4
Date Received.....: 06/18/2003
Time Received.....: 17:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAG	MDI	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U	0.2	5	1.00000	ug/L	18695		06/24/03	0049 dnm
	Chlorobenzene	ND	U	0.2	5	1.00000	ug/L	18695		06/24/03	0049 dnm
	Ethylbenzene	ND	U	0.3	5	1.00000	ug/L	18695		06/24/03	0049 dnm
	Styrene	ND	U	0.4	5	1.00000	ug/L	18695		06/24/03	0049 dnm
	Bromoform	ND	U	0.4	5	1.00000	ug/L	18695		06/24/03	0049 dnm
	1,1,2,2-Tetrachloroethane	ND	U	0.7	5	1.00000	ug/L	18695		06/24/03	0049 dnm
	Xylenes (total)	ND	U	1	5	1.00000	ug/L	18695		06/24/03	0049 dnm

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 203937

Date: 06/25/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Byatt

Customer Sample ID: NW-5
 Date Sampled: 06/18/2003
 Time Sampled: 11:45
 Sample Matrix: Water

Laboratory Sample ID: 203937-5
 Date Received: 06/18/2003
 Time Received: 17:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDI	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH	
8260B	Volatile Organics (5mL Purge)	ND	U		1	5	1.00000	ug/L	18695		06/24/03	0122	dmm
	Chloromethane	ND	U		1	5	1.00000	ug/L	18695		06/24/03	0122	dmm
	Vinyl chloride	ND	U		3	5	1.00000	ug/L	18695		06/24/03	0122	dmm
	Bromomethane	ND	U		0.8	5	1.00000	ug/L	18695		06/24/03	0122	dmm
	Chloroethane	ND	U		0.3	5	1.00000	ug/L	18695		06/24/03	0122	dmm
	1,1-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03	0122	dmm
	Carbon disulfide	ND	U		2	10	1.00000	ug/L	18695		06/24/03	0122	dmm
	Acetone	ND	U			5	1.00000	ug/L	18695		06/24/03	0122	dmm
	Methylene chloride	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03	0122	dmm
	trans-1,2-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03	0122	dmm
	1,1-Dichloroethane	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03	0122	dmm
	Vinyl acetate	ND	U		2	5	1.00000	ug/L	18695		06/24/03	0122	dmm
	cis-1,2-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03	0122	dmm
	2-Butanone (MEK)	ND	U		1	10	1.00000	ug/L	18695		06/24/03	0122	dmm
	Chloroform	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03	0122	dmm
	1,1,1-Trichloroethane	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03	0122	dmm
	Carbon tetrachloride	ND	U		0.3	5	1.00000	ug/L	18695		06/24/03	0122	dmm
	Benzene	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03	0122	dmm
	1,2-Dichloroethane	ND	U		0.3	5	1.00000	ug/L	18695		06/24/03	0122	dmm
	Trichloroethene	ND	U		0.7	5	1.00000	ug/L	18695		06/24/03	0122	dmm
	1,2-Dichloropropane	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03	0122	dmm
	Bromodichloromethane	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03	0122	dmm
	cis-1,3-Dichloropropene	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03	0122	dmm
	4-Methyl-2-pentanone (MIBK)	ND	U		0.5	10	1.00000	ug/L	18695		06/24/03	0122	dmm
	Toluene	ND	U		0.5	5	1.00000	ug/L	18695		06/24/03	0122	dmm
	trans-1,3-Dichloropropene	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03	0122	dmm
	1,1,2-Trichloroethane	ND	U		0.8	5	1.00000	ug/L	18695		06/24/03	0122	dmm
	Tetrachloroethene	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03	0122	dmm
	2-Hexanone	ND	U		1	10	1.00000	ug/L	18695		06/24/03	0122	dmm

* In Description = Dry Mat.

LABORATORY TEST RESULTS

Job Number: 203937

Date: 06/25/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Byatt

Customer Sample ID: MW-5
Date Sampled: 06/18/2003
Time Sampled: 11:45
Sample Matrix: Water

Laboratory Sample ID: 203937-5
Date Received: 06/18/2003
Time Received: 17:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAG	MDI	RI	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U	0.2	5	1.00000	ug/L	18695		06/24/03 0122	clm
	Chlorobenzene	ND	U	0.2	5	1.00000	ug/L	18695		06/24/03 0122	clm
	Ethylbenzene	ND	U	0.3	5	1.00000	ug/L	18695		06/24/03 0122	clm
	Styrene	ND	U	0.4	5	1.00000	ug/L	18695		06/24/03 0122	clm
	Bromoform	ND	U	0.4	5	1.00000	ug/L	18695		06/24/03 0122	clm
	1,1,2,2-Tetrachloroethane	ND	U	0.7	5	1.00000	ug/L	18695		06/24/03 0122	clm
	Xylenes (total)	ND	U	1	5	1.00000	ug/L	18695		06/24/03 0122	clm

Job Number: 203937

LABORATORY TEST RESULTS

Date: 06/25/2003

OWNER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Byatt

Customer Sample ID: MW-99(DUP)
Date Sampled.....: 06/17/2003
Time Sampled.....: 11:15
Sample Matrix.....: Water

Laboratory Sample ID: 203937-6
Date Received.....: 06/18/2003
Time Received.....: 17:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	D	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)	ND	U		1	5	1.00000	ug/L	18695		06/24/03 0155	clm
	Chloromethane	ND	U		1	5	1.00000	ug/L	18695		06/24/03 0155	clm
	Vinyl chloride	ND	U		3	5	1.00000	ug/L	18695		06/24/03 0155	clm
	Bromomethane	ND	U		0.8	5	1.00000	ug/L	18695		06/24/03 0155	clm
	Chloroethane	ND	U		0.8	5	1.00000	ug/L	18695		06/24/03 0155	clm
	1,1-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0155	clm
	Carbon disulfide	ND	U		2	10	1.00000	ug/L	18695		06/24/03 0155	clm
	Acetone	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0155	clm
	Methylene chloride	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0155	clm
	trans-1,2-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0155	clm
	1,1-Dichloroethane	ND	U		2	5	1.00000	ug/L	18695		06/24/03 0155	clm
	Vinyl acetate	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0155	clm
	cis-1,2-Dichloroethene	ND	U		1	10	1.00000	ug/L	18695		06/24/03 0155	clm
	2-Butanone (MEK)	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0155	clm
	Chloroform	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0155	clm
	1,1,1-Trichloroethane	ND	U		0.3	5	1.00000	ug/L	18695		06/24/03 0155	clm
	Carbon tetrachloride	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0155	clm
	Benzene	ND	U		0.3	5	1.00000	ug/L	18695		06/24/03 0155	clm
	1,2-Dichloroethane	ND	U		0.7	5	1.00000	ug/L	18695		06/24/03 0155	clm
	Trichloroethene	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0155	clm
	1,2-Dichloropropane	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0155	clm
	Bromodichloromethane	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0155	clm
	cis-1,3-Dichloropropene	ND	U		0.5	10	1.00000	ug/L	18695		06/24/03 0155	clm
	4-Methyl-2-pentanone (MIBK)	ND	U		0.5	5	1.00000	ug/L	18695		06/24/03 0155	clm
	Toluene	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0155	clm
	trans-1,3-Dichloropropene	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0155	clm
	1,1,2-Trichloroethane	ND	U		0.8	5	1.00000	ug/L	18695		06/24/03 0155	clm
	Tetrachloroethene	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0155	clm
	2-Hexanone	ND	U		1	10	1.00000	ug/L	18695		06/24/03 0155	clm

* In Description = Dry Wgt.

LABORATORY TEST RESULTS												
Job Number: 203937			Date: 06/25/2003									
CUSTOMER: Walden Associates			PROJECT: 218 LAKEVILLE ROAD A			ATTN: Stephen Byatt						
Customer Sample ID: MW-99(DUP)			Laboratory Sample ID: 203937-6									
Date Sampled.....: 06/17/2003			Date Received.....: 06/18/2003									
Time Sampled.....: 11:15			Time Received.....: 17:10									
Sample Matrix.....: Water												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDI	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.2	5	1.00000	ug/L	18695		06/24/03 0155	chm
	Chlorobenzene	ND	U		0.2	5	1.00000	ug/L	18695		06/24/03 0155	chm
	Ethylbenzene	ND	U		0.3	5	1.00000	ug/L	18695		06/24/03 0155	chm
	Styrene	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0155	chm
	Bromoform	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0155	chm
	1,1,2,2-Tetrachloroethane	ND	U		0.7	5	1.00000	ug/L	18695		06/24/03 0155	chm
	Xylenes (total)	ND	U		1	5	1.00000	ug/L	18695		06/24/03 0155	chm

LABORATORY TEST RESULTS

Job Number: 203937

Date: 06/25/2003

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Byatt

Customer Sample ID: TB-1
 Date Sampled.....: 06/17/2003
 Time Sampled.....: 00:00
 Sample Matrix.....: Water

Laboratory Sample ID: 203937-7
 Date Received.....: 06/18/2003
 Time Received.....: 17:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDI	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
82608	Volatile Organics (5mL Purge)	ND	U		1	5	1.00000	ug/L	18695		06/23/03 2342	clm
	Chloromethane	ND	U		1	5	1.00000	ug/L	18695		06/23/03 2342	clm
	Vinyl chloride	ND	U		5	5	1.00000	ug/L	18695		06/23/03 2342	clm
	Bromomethane	ND	U		0.8	5	1.00000	ug/L	18695		06/23/03 2342	clm
	Chloroethane	ND	U		0.8	5	1.00000	ug/L	18695		06/23/03 2342	clm
	1,1-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	18695		06/23/03 2342	clm
	Carbon disulfide	ND	U		2	5	1.00000	ug/L	18695		06/23/03 2342	clm
	Acetone	ND	U		0.4	10	1.00000	ug/L	18695		06/23/03 2342	clm
	Methylene chloride	0.9	U	B	0.6	5	1.00000	ug/L	18695		06/23/03 2342	clm
	trans-1,2-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	18695		06/23/03 2342	clm
	1,1-Dichloroethane	ND	U		0.6	5	1.00000	ug/L	18695		06/23/03 2342	clm
	Vinyl acetate	ND	U		2	5	1.00000	ug/L	18695		06/23/03 2342	clm
	cis-1,2-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	18695		06/23/03 2342	clm
	2-Butanone (MEK)	ND	U		1	10	1.00000	ug/L	18695		06/23/03 2342	clm
	Chloroform	ND	U		0.4	5	1.00000	ug/L	18695		06/23/03 2342	clm
	1,1,1-Trichloroethane	ND	U		0.4	5	1.00000	ug/L	18695		06/23/03 2342	clm
	Carbon tetrachloride	ND	U		0.5	5	1.00000	ug/L	18695		06/23/03 2342	clm
	Benzene	ND	U		0.4	5	1.00000	ug/L	18695		06/23/03 2342	clm
	1,2-Dichloroethane	ND	U		0.5	5	1.00000	ug/L	18695		06/23/03 2342	clm
	Trichloroethene	ND	U		0.6	5	1.00000	ug/L	18695		06/23/03 2342	clm
	1,2-Dichloropropane	ND	U		0.6	5	1.00000	ug/L	18695		06/23/03 2342	clm
	Bromodichloromethane	ND	U		0.5	5	1.00000	ug/L	18695		06/23/03 2342	clm
	cis-1,3-Dichloropropene	ND	U		0.5	10	1.00000	ug/L	18695		06/23/03 2342	clm
	4-Methyl-2-pentanone (MIBK)	ND	U		0.3	5	1.00000	ug/L	18695		06/23/03 2342	clm
	Toluene	ND	U		0.4	5	1.00000	ug/L	18695		06/23/03 2342	clm
	trans-1,3-Dichloropropene	ND	U		0.4	5	1.00000	ug/L	18695		06/23/03 2342	clm
	1,1,2-Trichloroethane	ND	U		0.8	5	1.00000	ug/L	18695		06/23/03 2342	clm
	Tetrachloroethene	ND	U		0.4	5	1.00000	ug/L	18695		06/23/03 2342	clm
	2-Hexanone	ND	U		1	10	1.00000	ug/L	18695		06/23/03 2342	clm

Job Number: 203937

LABORATORY TEST RESULTS

Date: 06/25/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Byatt

Customer Sample ID: T8-4
 Date Sampled.....: 06/17/2003
 Time Sampled.....: 00:00
 Sample Matrix.....: Water

Laboratory Sample ID: 203937-7
 Date Received.....: 06/18/2003
 Time Received.....: 17:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDI	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
82603	Volatile Organics (5mL Purge)											
	Chloromethane	ND	U		1	5	1.00000	ug/L	18695		06/23/03 2342	chem
	Vinyl chloride	ND	U		1	5	1.00000	ug/L	18695		06/23/03 2342	chem
	Bromomethane	ND	U		3	5	1.00000	ug/L	18695		06/23/03 2342	chem
	Chloroethane	ND	U		0.8	5	1.00000	ug/L	18695		06/23/03 2342	chem
	1,1-Dichloroethene	ND	U		0.8	5	1.00000	ug/L	18695		06/23/03 2342	chem
	Carbon disulfide	ND	U		0.6	5	1.00000	ug/L	18695		06/23/03 2342	chem
	Acetone	ND	U		2	10	1.00000	ug/L	18695		06/23/03 2342	chem
	Methylene chloride	0.9	J	B	0.4	5	1.00000	ug/L	18695		06/23/03 2342	chem
	trans-1,2-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	18695		06/23/03 2342	chem
	1,1-Dichloroethane	ND	U		0.6	5	1.00000	ug/L	18695		06/23/03 2342	chem
	Vinyl acetate	ND	U		2	5	1.00000	ug/L	18695		06/23/03 2342	chem
	cis-1,2-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	18695		06/23/03 2342	chem
	2-Butanone (MEK)	ND	U		1	10	1.00000	ug/L	18695		06/23/03 2342	chem
	Chloroform	ND	U		0.4	5	1.00000	ug/L	18695		06/23/03 2342	chem
	1,1,1-Trichloroethane	ND	U		0.4	5	1.00000	ug/L	18695		06/23/03 2342	chem
	Carbon tetrachloride	ND	U		0.5	5	1.00000	ug/L	18695		06/23/03 2342	chem
	Benzene	ND	U		0.4	5	1.00000	ug/L	18695		06/23/03 2342	chem
	1,2-Dichloroethane	ND	U		0.5	5	1.00000	ug/L	18695		06/23/03 2342	chem
	Trichloroethene	ND	U		0.7	5	1.00000	ug/L	18695		06/23/03 2342	chem
	1,2-Dichloropropane	ND	U		0.6	5	1.00000	ug/L	18695		06/23/03 2342	chem
	Bromodichloromethane	ND	U		0.6	5	1.00000	ug/L	18695		06/23/03 2342	chem
	cis-1,3-Dichloropropene	ND	U		0.6	5	1.00000	ug/L	18695		06/23/03 2342	chem
	4-Methyl-2-pentanone (MIBK)	ND	U		0.5	5	1.00000	ug/L	18695		06/23/03 2342	chem
	Toluene	ND	U		0.5	10	1.00000	ug/L	18695		06/23/03 2342	chem
	trans-1,3-Dichloropropene	ND	U		0.5	5	1.00000	ug/L	18695		06/23/03 2342	chem
	1,1,2-Trichloroethane	ND	U		0.4	5	1.00000	ug/L	18695		06/23/03 2342	chem
	Tetrachloroethene	ND	U		0.8	5	1.00000	ug/L	18695		06/23/03 2342	chem
	2-Hexanone	ND	U		0.6	5	1.00000	ug/L	18695		06/23/03 2342	chem
		ND	U		1	10	1.00000	ug/L	18695		06/23/03 2342	chem

* In Description = Dry Wgt.

Job Number: 203937

Customer: Walden Associates

Date: 06/25/2003

ATTN: Stephen Byatt

PROJECT: 218 LAKEVILLE ROAD A

LABORATORY TEST RESULTS

Customer Sample ID: TB-4

Laboratory Sample ID: 203937-7

Date Sampled: 06/17/2003

Date Received: 06/18/2003

Time Sampled: 00:00

Time Received: 17:10

Sample Matrix: Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDI	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)	ND	U		1	5	1.00000	ug/L	18695		06/23/03 2342	chm
	Chloromethane	ND	U		1	5	1.00000	ug/L	18695		06/23/03 2342	chm
	Vinyl chloride	ND	U		3	5	1.00000	ug/L	18695		06/23/03 2342	chm
	Bromomethane	ND	U		0.8	5	1.00000	ug/L	18695		06/23/03 2342	chm
	Chloroethane	ND	U		0.8	5	1.00000	ug/L	18695		06/23/03 2342	chm
	1,1-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	18695		06/23/03 2342	chm
	Carbon disulfide	ND	U		2	5	1.00000	ug/L	18695		06/23/03 2342	chm
	Acetone	ND	U		0.4	10	1.00000	ug/L	18695		06/23/03 2342	chm
	Methylene chloride	ND	U	B	0.6	5	1.00000	ug/L	18695		06/23/03 2342	chm
	trans-1,2-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	18695		06/23/03 2342	chm
	1,1-Dichloroethane	ND	U		0.6	5	1.00000	ug/L	18695		06/23/03 2342	chm
	Vinyl acetate	ND	U		2	5	1.00000	ug/L	18695		06/23/03 2342	chm
	cis-1,2-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	18695		06/23/03 2342	chm
	2-Butanone (MEK)	ND	U		1	10	1.00000	ug/L	18695		06/23/03 2342	chm
	Chloroform	ND	U		0.4	5	1.00000	ug/L	18695		06/23/03 2342	chm
	1,1,1-Trichloroethane	ND	U		0.6	5	1.00000	ug/L	18695		06/23/03 2342	chm
	Carbon tetrachloride	ND	U		0.5	5	1.00000	ug/L	18695		06/23/03 2342	chm
	Benzene	ND	U		0.4	5	1.00000	ug/L	18695		06/23/03 2342	chm
	1,2-Dichloroethane	ND	U		0.5	5	1.00000	ug/L	18695		06/23/03 2342	chm
	Trichloroethene	ND	U		0.7	5	1.00000	ug/L	18695		06/23/03 2342	chm
	1,2-Dichloropropane	ND	U		0.6	5	1.00000	ug/L	18695		06/23/03 2342	chm
	Bromodichloromethane	ND	U		0.6	5	1.00000	ug/L	18695		06/23/03 2342	chm
	cis-1,3-Dichloropropene	ND	U		0.6	5	1.00000	ug/L	18695		06/23/03 2342	chm
	4-Methyl-2-pentanone (MIBK)	ND	U		0.5	10	1.00000	ug/L	18695		06/23/03 2342	chm
	Toluene	ND	U		0.3	5	1.00000	ug/L	18695		06/23/03 2342	chm
	trans-1,3-Dichloropropene	ND	U		0.4	5	1.00000	ug/L	18695		06/23/03 2342	chm
	1,1,2-Trichloroethane	ND	U		0.8	5	1.00000	ug/L	18695		06/23/03 2342	chm
	Tetrachloroethene	ND	U		0.6	5	1.00000	ug/L	18695		06/23/03 2342	chm
	2-Hexanone	ND	U		1	10	1.00000	ug/L	18695		06/23/03 2342	chm

* In Description : Dry Wgt.

LABORATORY TEST RESULTS

Date: 06/25/2003

Job Number: 203937

ATTN: Stephen Byatt

PROJECT: 218 LAKEVILLE ROAD A

CUSTOMER: Walden Associates

Laboratory Sample ID: 203937-7
Date Received: 06/18/2003
Time Received: 17:10

Customer Sample ID: TB-1
Date Sampled: 06/17/2003
Time Sampled: 00:00
Sample Matrix: Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDI	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND		U	0.2	5	1.00000	ug/L	18695		06/23/03 2342	chm
	Chlorobenzene	ND		U	0.2	5	1.00000	ug/L	18695		06/23/03 2342	chm
	Ethylbenzene	ND		U	0.3	5	1.00000	ug/L	18695		06/23/03 2342	chm
	Styrene	ND		U	0.4	5	1.00000	ug/L	18695		06/23/03 2342	chm
	Bromoform	ND		U	0.4	5	1.00000	ug/L	18695		06/23/03 2342	chm
	1,1,2,2-Tetrachloroethane	ND		U	0.7	5	1.00000	ug/L	18695		06/23/03 2342	chm
	Xylenes (total)	ND		U	1	5	1.00000	ug/L	18695		06/23/03 2342	chm

LABORATORY TEST RESULTS

Job Number: 203937

Date: 06/25/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Byatt

Customer Sample ID: FB-1
 Date Sampled: 06/17/2003
 Time Sampled: 11:50
 Sample Matrix: Water

Laboratory Sample ID: 203937-8
 Date Received: 06/18/2003
 Time Received: 17:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	QI FLAGS	MDI	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)	ND	U	1	5	1.00000	ug/L	18695		06/24/03 0015	dmn
	Chloromethane	ND	U	1	5	1.00000	ug/L	18695		06/24/03 0015	dmn
	Vinyl chloride	ND	U	3	5	1.00000	ug/L	18695		06/24/03 0015	dmn
	Bromomethane	ND	U	0.8	5	1.00000	ug/L	18695		06/24/03 0015	dmn
	Chloroethane	ND	U	0.8	5	1.00000	ug/L	18695		06/24/03 0015	dmn
	1,1-Dichloroethene	ND	U	0.6	5	1.00000	ug/L	18695		06/24/03 0015	dmn
	Carbon disulfide	ND	U	2	5	1.00000	ug/L	18695		06/24/03 0015	dmn
	Acetone	ND	U	0.4	10	1.00000	ug/L	18695		06/24/03 0015	dmn
	Methylene chloride	ND	U	0.6	5	1.00000	ug/L	18695		06/24/03 0015	dmn
	trans-1,2-Dichloroethene	ND	U	0.6	5	1.00000	ug/L	18695		06/24/03 0015	dmn
	1,1-Dichloroethane	ND	U	2	5	1.00000	ug/L	18695		06/24/03 0015	dmn
	Vinyl acetate	ND	U	0.6	5	1.00000	ug/L	18695		06/24/03 0015	dmn
	cis-1,2-Dichloroethene	ND	U	1	5	1.00000	ug/L	18695		06/24/03 0015	dmn
	2-Butanone (MEK)	ND	U	0.4	10	1.00000	ug/L	18695		06/24/03 0015	dmn
	Chloroform	ND	U	0.4	5	1.00000	ug/L	18695		06/24/03 0015	dmn
	1,1,1-Trichloroethane	ND	U	0.4	5	1.00000	ug/L	18695		06/24/03 0015	dmn
	Carbon tetrachloride	ND	U	0.4	5	1.00000	ug/L	18695		06/24/03 0015	dmn
	Benzene	ND	U	0.4	5	1.00000	ug/L	18695		06/24/03 0015	dmn
	1,2-Dichloroethane	ND	U	0.7	5	1.00000	ug/L	18695		06/24/03 0015	dmn
	Trichloroethene	ND	U	0.6	5	1.00000	ug/L	18695		06/24/03 0015	dmn
	1,2-Dichloropropane	ND	U	0.6	5	1.00000	ug/L	18695		06/24/03 0015	dmn
	Bromodichloromethane	ND	U	0.5	5	1.00000	ug/L	18695		06/24/03 0015	dmn
	cis-1,3-Dichloropropene	ND	U	0.5	5	1.00000	ug/L	18695		06/24/03 0015	dmn
	4-Methyl-2-pentanone (MIBK)	ND	U	0.5	10	1.00000	ug/L	18695		06/24/03 0015	dmn
	Toluene	ND	U	0.5	5	1.00000	ug/L	18695		06/24/03 0015	dmn
	trans-1,3-Dichloropropene	ND	U	0.5	5	1.00000	ug/L	18695		06/24/03 0015	dmn
	1,1,2-Trichloroethane	ND	U	0.8	5	1.00000	ug/L	18695		06/24/03 0015	dmn
	Tetrachloroethene	ND	U	0.5	5	1.00000	ug/L	18695		06/24/03 0015	dmn
	2-Hexanone	ND	U	1	10	1.00000	ug/L	18695		06/24/03 0015	dmn

LABORATORY TEST RESULTS											
Job Number: 203937				Date: 06/25/2003				ATTN: Stephen Byatt			
CUSTOMER: Walden Associates				PROJECT: 218 LAKEVILLE ROAD A							
Customer Sample ID: FB-1 Date Sampled.....: 06/17/2003 Time Sampled.....: 11:50 Sample Matrix.....: Water				Laboratory Sample ID: 203937-8 Date Received.....: 06/18/2003 Time Received.....: 17:10							
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	NDI	RI	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U	0.2	5	1.00000	ug/L	18695		06/24/03 0015	dmn
	Chlorobenzene	ND	U	0.2	5	1.00000	ug/L	18695		06/24/03 0015	dmn
	Ethylbenzene	ND	U	0.3	5	1.00000	ug/L	18695		06/24/03 0015	dmn
	Styrene	ND	U	0.4	5	1.00000	ug/L	18695		06/24/03 0015	dmn
	Bromoform	ND	U	0.4	5	1.00000	ug/L	18695		06/24/03 0015	dmn
	1,1,2,2-Tetrachloroethane	ND	U	0.7	5	1.00000	ug/L	18695		06/24/03 0015	dmn
	Xylenes (total)	ND	U	1	5	1.00000	ug/L	18695		06/24/03 0015	dmn

* In Description = Dry Wgt.

LABORATORY CHRONICLE

Job Number: 203937

Date: 07/03/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE RD

ATTN: Stephen Byatt

Lab ID: 203937-1	Client ID: MW-1	Date Recvd: 06/18/2003	Sample Date: 06/17/2003
METHOD	DESCRIPTION	RUN# BATCH# PREP BT #(S)	DATE/TIME ANALYZED DILUTION
5030A	5030 5 mL Purge Prep	1 18671	
Matrix QC	Matrix QC	1	
8260B	Volatile Organics (5mL Purge)	1 18695 18671	06/24/2003 0335 1.00000
Lab ID: 203937-2	Client ID: MW-2	Date Recvd: 06/18/2003	Sample Date: 06/17/2003
METHOD	DESCRIPTION	RUN# BATCH# PREP BT #(S)	DATE/TIME ANALYZED DILUTION
5030A	5030 5 mL Purge Prep	1 18671	
8260B	Volatile Organics (5mL Purge)	1 18695 18671	06/24/2003 0228 1.00000
Lab ID: 203937-3	Client ID: MW-3	Date Recvd: 06/18/2003	Sample Date: 06/18/2003
METHOD	DESCRIPTION	RUN# BATCH# PREP BT #(S)	DATE/TIME ANALYZED DILUTION
5030A	5030 5 mL Purge Prep	1 18671	
8260B	Volatile Organics (5mL Purge)	1 18695 18671	06/24/2003 0302 1.00000
Lab ID: 203937-4	Client ID: MW-4	Date Recvd: 06/18/2003	Sample Date: 06/17/2003
METHOD	DESCRIPTION	RUN# BATCH# PREP BT #(S)	DATE/TIME ANALYZED DILUTION
5030A	5030 5 mL Purge Prep	1 18671	
8260B	Volatile Organics (5mL Purge)	1 18695 18671	06/24/2003 0049 1.00000
Lab ID: 203937-5	Client ID: MW-5	Date Recvd: 06/18/2003	Sample Date: 06/18/2003
METHOD	DESCRIPTION	RUN# BATCH# PREP BT #(S)	DATE/TIME ANALYZED DILUTION
5030A	5030 5 mL Purge Prep	1 18671	
8260B	Volatile Organics (5mL Purge)	1 18695 18671	06/24/2003 0122 1.00000
Lab ID: 203937-6	Client ID: MW-99(DUP)	Date Recvd: 06/18/2003	Sample Date: 06/17/2003
METHOD	DESCRIPTION	RUN# BATCH# PREP BT #(S)	DATE/TIME ANALYZED DILUTION
5030A	5030 5 mL Purge Prep	1 18671	
8260B	Volatile Organics (5mL Purge)	1 18695 18671	06/24/2003 0155 1.00000
Lab ID: 203937-7	Client ID: TB-1	Date Recvd: 06/18/2003	Sample Date: 06/17/2003
METHOD	DESCRIPTION	RUN# BATCH# PREP BT #(S)	DATE/TIME ANALYZED DILUTION
5030A	5030 5 mL Purge Prep	1 18671	
8260B	Volatile Organics (5mL Purge)	1 18695 18671	06/23/2003 2342 1.00000
Lab ID: 203937-8	Client ID: FB-1	Date Recvd: 06/18/2003	Sample Date: 06/17/2003
METHOD	DESCRIPTION	RUN# BATCH# PREP BT #(S)	DATE/TIME ANALYZED DILUTION
5030A	5030 5 mL Purge Prep	1 18671	
8260B	Volatile Organics (5mL Purge)	1 18695 18671	06/24/2003 0015 1.00000

LABORATORY CHRONICLE

Job Number: 203937

Date: 07/03/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE RD

ATTN: Stephen Byatt

Lab ID: 203937-1	Client ID: MW-1	Date Recvd: 06/18/2003	Sample Date: 06/17/2003
METHOD	DESCRIPTION	RUN# BATCH# PREP BT #(S)	DATE/TIME ANALYZED
5030A	5030 5 mL Purge Prep	1 18671	
Matrix QC	Matrix QC	1	
8260B	Volatile Organics (5mL Purge)	1 18695 18671	06/24/2003 0335
Lab ID: 203937-2	Client ID: MW-2	Date Recvd: 06/18/2003	Sample Date: 06/17/2003
METHOD	DESCRIPTION	RUN# BATCH# PREP BT #(S)	DATE/TIME ANALYZED
5030A	5030 5 mL Purge Prep	1 18671	
8260B	Volatile Organics (5mL Purge)	1 18695 18671	06/24/2003 0228
Lab ID: 203937-3	Client ID: MW-3	Date Recvd: 06/18/2003	Sample Date: 06/18/2003
METHOD	DESCRIPTION	RUN# BATCH# PREP BT #(S)	DATE/TIME ANALYZED
5030A	5030 5 mL Purge Prep	1 18671	
8260B	Volatile Organics (5mL Purge)	1 18695 18671	06/24/2003 0302
Lab ID: 203937-4	Client ID: MW-4	Date Recvd: 06/18/2003	Sample Date: 06/17/2003
METHOD	DESCRIPTION	RUN# BATCH# PREP BT #(S)	DATE/TIME ANALYZED
5030A	5030 5 mL Purge Prep	1 18671	
8260B	Volatile Organics (5mL Purge)	1 18695 18671	06/24/2003 0049
Lab ID: 203937-5	Client ID: MW-5	Date Recvd: 06/18/2003	Sample Date: 06/18/2003
METHOD	DESCRIPTION	RUN# BATCH# PREP BT #(S)	DATE/TIME ANALYZED
5030A	5030 5 mL Purge Prep	1 18671	
8260B	Volatile Organics (5mL Purge)	1 18695 18671	06/24/2003 0122
Lab ID: 203937-6	Client ID: MW-99(DUP)	Date Recvd: 06/18/2003	Sample Date: 06/17/2003
METHOD	DESCRIPTION	RUN# BATCH# PREP BT #(S)	DATE/TIME ANALYZED
5030A	5030 5 mL Purge Prep	1 18671	
8260B	Volatile Organics (5mL Purge)	1 18695 18671	06/24/2003 0155
Lab ID: 203937-7	Client ID: TB-1	Date Recvd: 06/18/2003	Sample Date: 06/17/2003
METHOD	DESCRIPTION	RUN# BATCH# PREP BT #(S)	DATE/TIME ANALYZED
5030A	5030 5 mL Purge Prep	1 18671	
8260B	Volatile Organics (5mL Purge)	1 18695 18671	06/23/2003 2342
Lab ID: 203937-8	Client ID: FB-1	Date Recvd: 06/18/2003	Sample Date: 06/17/2003
METHOD	DESCRIPTION	RUN# BATCH# PREP BT #(S)	DATE/TIME ANALYZED
5030A	5030 5 mL Purge Prep	1 18671	
8260B	Volatile Organics (5mL Purge)	1 18695 18671	06/24/2003 0015

LABORATORY CHRONICLE

Job Number: 203937

Date: 07/03/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE RD

ATTN: Stephen Byatt

Lab ID: 203937-1	Client ID: MW-1	Date Recvd: 06/18/2003	Sample Date: 06/17/2003
METHOD	DESCRIPTION	RUN# BATCH# PREP BT #(S)	DATE/TIME ANALYZED DILUTION
5030A	5030 5 mL Purge Prep	1 18671	
Matrix QC	Matrix QC	1	
8260B	Volatile Organics (5mL Purge)	1 18695 18671	06/24/2003 0335 1.00000
Lab ID: 203937-2	Client ID: MW-2	Date Recvd: 06/18/2003	Sample Date: 06/17/2003
METHOD	DESCRIPTION	RUN# BATCH# PREP BT #(S)	DATE/TIME ANALYZED DILUTION
5030A	5030 5 mL Purge Prep	1 18671	
8260B	Volatile Organics (5mL Purge)	1 18695 18671	06/24/2003 0228 1.00000
Lab ID: 203937-3	Client ID: MW-3	Date Recvd: 06/18/2003	Sample Date: 06/18/2003
METHOD	DESCRIPTION	RUN# BATCH# PREP BT #(S)	DATE/TIME ANALYZED DILUTION
5030A	5030 5 mL Purge Prep	1 18671	
8260B	Volatile Organics (5mL Purge)	1 18695 18671	06/24/2003 0302 1.00000
Lab ID: 203937-4	Client ID: MW-4	Date Recvd: 06/18/2003	Sample Date: 06/17/2003
METHOD	DESCRIPTION	RUN# BATCH# PREP BT #(S)	DATE/TIME ANALYZED DILUTION
5030A	5030 5 mL Purge Prep	1 18671	
8260B	Volatile Organics (5mL Purge)	1 18695 18671	06/24/2003 0049 1.00000
Lab ID: 203937-5	Client ID: MW-5	Date Recvd: 06/18/2003	Sample Date: 06/18/2003
METHOD	DESCRIPTION	RUN# BATCH# PREP BT #(S)	DATE/TIME ANALYZED DILUTION
5030A	5030 5 mL Purge Prep	1 18671	
8260B	Volatile Organics (5mL Purge)	1 18695 18671	06/24/2003 0122 1.00000
Lab ID: 203937-6	Client ID: MW-99(DUP)	Date Recvd: 06/18/2003	Sample Date: 06/17/2003
METHOD	DESCRIPTION	RUN# BATCH# PREP BT #(S)	DATE/TIME ANALYZED DILUTION
5030A	5030 5 mL Purge Prep	1 18671	
8260B	Volatile Organics (5mL Purge)	1 18695 18671	06/24/2003 0155 1.00000
Lab ID: 203937-7	Client ID: TB-1	Date Recvd: 06/18/2003	Sample Date: 06/17/2003
METHOD	DESCRIPTION	RUN# BATCH# PREP BT #(S)	DATE/TIME ANALYZED DILUTION
5030A	5030 5 mL Purge Prep	1 18671	
8260B	Volatile Organics (5mL Purge)	1 18695 18671	06/23/2003 2342 1.00000
Lab ID: 203937-8	Client ID: FB-1	Date Recvd: 06/18/2003	Sample Date: 06/17/2003
METHOD	DESCRIPTION	RUN# BATCH# PREP BT #(S)	DATE/TIME ANALYZED DILUTION
5030A	5030 5 mL Purge Prep	1 18671	
8260B	Volatile Organics (5mL Purge)	1 18695 18671	06/24/2003 0015 1.00000

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 07/03/2003

REPORT COMMENTS

- 1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
- 2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on a "received" basis unless noted differently.
- 3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
- 4) The test results for the noted analytical method(s) meet the requirements of NELAP. Lab Cert. ID# 10604.
- 5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviation

Inorganic Qualifiers (Q-Column)

- U Analyte was not detected at or above the reporting limit.
- < Not detected at or above the reporting limit.
- J Result is less than the RL, but greater than or equal to the method detection limit.
- B Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
- S Result was determined by the Method of Standard Additions.

Inorganic Flags (Flag Column)

- ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
- * LCS,LCD, MD: Batch QC exceeds the upper or lower control limits.
- + MSA correlation coefficient is less than 0.995.
- 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.
- E SD: Serial dilution exceeds the control limits.
- H MB, EB: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
- N MS, MSD: Spike recovery exceeds the upper or lower control limits.
- W PS: Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

- U Analyte was not detected at or above the reporting limit.
- ND Compound not detected.
- J Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
- Q Result was qualitatively confirmed, but not quantified.
- C Pesticide identification was confirmed by GC/MS.
- F The chromatographic response resembles a typical fuel pattern.
- Z The chromatographic response does not resemble a typical fuel pattern.
- E Result exceeded calibration range, secondary dilution required.

Organic Flags (Flags Column)

- MB,EB, MLE: Batch QC is greater than reporting limit.
- * LCS, LCD, CCV, MS, MSD, Surrogate, RS:Batch QC exceeds the upper or lower control limits.
- A Concentration exceeds the instrument calibration range or below the reporting limit.
- B Compound was found in the blank and sample.
- D Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
- H Alternate peak selection upon analytical review
- I Indicates the presence of an interference, recovery is not calculated.
- M Manually integrated compound.
- P The lower of the two values is reported when the % difference between the results of two GC columns is greater than 25%.

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 07/03/2003

Abbreviations

Batch	Designation given to identify a specific extraction, digestion, preparation set or analysis
CAP	Capillary Column
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation Analysis
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
Dil Fac	Dilution Factor
DL	Secondary dilution and analysis
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB	Extraction Blank
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
	Instrument Detection Limit
	Interference Check Sample A
ISB	Interference Check Sample B
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group
Lab ID	An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PACK	Packed Column
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PS	Post Spike
PSD	Post Spike Duplicate
RA	Re-analysis
RE	Re-extraction and analysis
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RS	Reference Standard
RT	Retention Time
RTW	Retention Time Window
SampleID	A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution
UCB	Unseeded Control Blank

One or a combination of these data qualifiers and abbreviations may appear in the analytical report.

JOB #:

NT: Special Associates c/o Welles Associates

ECT ID: 212 LaVelle Ranch, Lake Success NY

PROJECT MGR: P. J. H. H. H. H.

YES	NO	DUE DATE
☐	☒	

☒

NO

DUE DATE

[illegible]

203937

WALDEN ASSOCIATES
JEFFREY B. WATTS
151 AK...

06/30/2003

1000 MILE ROAD ASSOCIATES

2.25

MATRIX CODES		BOTTLES PREPARED BY		BOTTLES REC'D BY		REMARKS ON SAMPLE RECEIPT	
AIR AQUEOUS COMPLEX DRUM WASTE OIL	S - SOIL SL - SLUDGE W - WIPE O - OTHER FB - FIELD BLANK TB - TRIP BLANK	Norman S Bradley Signature Norman S Bradley Signature Norman S Bradley Signature Norman S Bradley Signature	6/18/03 11:00 6/18/03 17:00	RICHARD L FORD Signature RICHARD L FORD Signature RICHARD L FORD Signature RICHARD L FORD Signature	6/18/03 1245 6/18/03 1710	☐ BOTTLES INTACT ☐ PRESERVED ☐ CHILLED	☐ CUSTODY SEAL ☐ SEALS INTACT ☐ SEE REMARKS

06/30/2003

Trip Blank: 07

01

FB: 

Soil: /

Water:

Date Received:

Sample #15:

Locations:

06/19/03

01-08

347

[illegible]

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SURROGATE RECOVERIES REPORT

Job Number.: 203937

Report Date.: 06/25/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Byatt

Method.....: Volatile Organics (5mL Purge)
Batch(s).....: 18695

Method Code...: 8260.5
Test Matrix...: Water

Prep Batch....: 18671
Equipment Code: MSM

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS-18671-2			06/23/2003	89	78	90	80
MB-18671-1			06/23/2003	81	80	89	87
203937- 1		MW-1	06/24/2003	96	96	90	86
203937- 1 MS		MW-1	06/24/2003	96	93	85	93
203937- 1 MSB		MW-1	06/24/2003	92	100	93	99
203937- 1 MSD		MW-1	06/24/2003	98	92	90	92
203937- 2		MW-2	06/24/2003	94	88	87	82
203937- 3		MW-3	06/24/2003	95	91	89	83
203937- 4		MW-4	06/24/2003	90	82	87	80
203937- 5		MW-5	06/24/2003	95	88	81	82
203937- 6		MW-99(DUP)	06/24/2003	97	90	92	81
203937- 7		TB-1	06/23/2003	81	77	87	81
203937- 8		FB-1	06/24/2003	88	89	88	83

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 130
BRFLBE	4-Bromofluorobenzene (surr)	70 - 130
DBRFLM	Dibromofluoromethane (surr)	70 - 130
TOLD8	Toluene-d8 (surr)	70 - 130

SURROGATE RECOVERIES REPORT

Job Number.: 203937

Report Date.: 06/25/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Byatt

Method.....: Volatile Organics (5mL Purge)
Batch(s).....: 18695

Method Code...: 8260.5
Test Matrix...: Water

Prep Batch....: 18677
Equipment Code: MSM

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS-18671-2			06/23/2003	89	78	90	82
MB-18671-1			06/23/2003	87	80	89	87
203937- 1		MW-1	06/24/2003	96	96	90	86
203937- 1 MS		MW-1	06/24/2003	96	93	85	93
203937- 1 MSB		MW-1	06/24/2003	92	100	93	98
203937- 1 MSD		MW-1	06/24/2003	98	92	90	92
203937- 2		MW-2	06/24/2003	94	88	87	82
203937- 3		MW-3	06/24/2003	95	91	89	83
203937- 4		MW-4	06/24/2003	90	82	89	82
203937- 5		MW-5	06/24/2003	95	82	91	82
203937- 6		MW-99(DUP)	06/24/2003	97	90	93	84
203937- 7		TB-1	06/23/2003	84	77	87	81
203937- 8		FB-1	06/24/2003	88	89	88	83

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 130
BRFLBE	4-Bromofluorobenzene (surr)	70 - 130
DBRFLM	Dibromofluoromethane (surr)	70 - 130
TOLD8	Toluene-d8 (surr)	70 - 130

SURROGATE RECOVERIES REPORT

Job Number.: 203937

Report Date.: 06/25/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Byatt

Method.....: Volatile Organics (5mL Purge)
Batch(s).....: 18695

Method Code...: 8260.5
Test Matrix...: Water

Prep Batch....: 18611
Equipment Code: MSM

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLDB
LCS-18671-2			06/23/2003	87	78	90	82
MB-18671-1			06/23/2003	81	80	89	87
203937- 1		MW-1	06/24/2003	96	96	90	86
203937- 1 MS		MW-1	06/24/2003	96	93	85	93
203937- 1 MSB		MW-1	06/24/2003	92	100	93	98
203937- 1 MSD		MW-1	06/24/2003	98	92	90	92
203937- 2		MW-2	06/24/2003	94	88	87	82
203937- 3		MW-3	06/24/2003	95	91	89	83
203937- 4		MW-4	06/24/2003	90	82	89	82
203937- 5		MW-5	06/24/2003	95	88	91	82
203937- 6		MW-99(DUP)	06/24/2003	97	90	93	84
203937- 7		TB-1	06/23/2003	84	77	87	81
203937- 8		FB-1	06/24/2003	88	89	88	83

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 130
BRFLBE	4-Bromofluorobenzene (surr)	70 - 130
DBRFLM	Dibromofluoromethane (surr)	70 - 130
TOLDB	Toluene-d8 (surr)	70 - 130

Job Number.: 203937

SURROGATE RECOVERIES REPORT

Report Date.: 06/25/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Byatt

Method.....: Volatile Organics (5mL Purge)
Batch(s).....: 18695Method Code....: 8260.5
Test Matrix....: WaterPrep Batch.....: 18671
Equipment Code: MSM

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLDB
LCS-18671-2			06/23/2003	89	78	90	83
MB-18671-1			06/23/2003	81	80	89	87
203937- 1	MW-1		06/24/2003	96	96	90	86
203937- 1 MS	MW-1		06/24/2003	96	93	85	93
203937- 1 MSB	MW-1		06/24/2003	92	100	93	92
203937- 1 MSD	MW-1		06/24/2003	98	92	90	92
203937- 2	MW-2		06/24/2003	94	88	87	82
203937- 3	MW-3		06/24/2003	95	91	89	83
203937- 4	MW-4		06/24/2003	90	82	89	82
203937- 5	MW-5		06/24/2003	95	88	91	82
203937- 6	MW-99(DUP)		06/24/2003	97	90	92	81
203937- 7	TB-1		06/23/2003	81	77	87	81
203937- 8	FB-1		06/24/2003	88	89	88	83

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 130
BRFLBE	4-Bromofluorobenzene (surr)	70 - 130
DBRFLM	Dibromofluoromethane (surr)	70 - 130
TOLDB	Toluene-d8 (surr)	70 - 130

Job Number.: 203937

SURROGATE RECOVERIES REPORT

Report Date.: 06/25/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Byatt

Method.....: Volatile Organics (5mL Purge)
Batch(s).....: 18695Method Code....: 8260.5
Test Matrix....: WaterPrep Batch.....: 18695
Equipment Code: MSM

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS-18671-2			06/23/2003	89	78	90	82
MB-18671-1			06/23/2003	81	80	89	87
203937- 1		MW-1	06/24/2003	96	96	90	86
203937- 1 MS		MW-1	06/24/2003	96	93	85	93
203937- 1 MSB		MW-1	06/24/2003	92	100	93	98
203937- 1 MSD		MW-1	06/24/2003	98	92	90	92
203937- 2		MW-2	06/24/2003	94	88	87	82
203937- 3		MW-3	06/24/2003	95	91	89	83
203937- 4		MW-4	06/24/2003	90	82	89	82
203937- 5		MW-5	06/24/2003	95	88	91	82
203937- 6		MW-99(DUP)	06/24/2003	97	90	93	84
203937- 7		TB-1	06/23/2003	84	77	87	81
203937- 8		FB-1	06/24/2003	88	89	88	83

st	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 130
BRFLBE	4-Bromofluorobenzene (surr)	70 - 130
DBRFLM	Dibromofluoromethane (surr)	70 - 130
TOLD8	Toluene-d8 (surr)	70 - 130

SURROGATE RECOVERIES REPORT

Job Number.: 203937

Report Date.: 06/25/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Byatt

Method.....: Volatile Organics (5mL Purge)
Batch(s).....: 18695

Method Code....: 8260.5
Test Matrix....: Water

Prep Batch.....: 18695
Equipment Code: MSM

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLDB
LCS-18671-2			06/23/2003	89	78	90	82
M8-18671-1			06/23/2003	81	80	89	87
203937- 1		MW-1	06/24/2003	96	96	90	86
203937- 1 MS		MW-1	06/24/2003	96	93	85	93
203937- 1 MSB		MW-1	06/24/2003	92	100	93	72
203937- 1 MSD		MW-1	06/24/2003	98	92	90	92
203937- 2		MW-2	06/24/2003	94	88	87	82
203937- 3		MW-3	06/24/2003	95	91	89	83
203937- 4		MW-4	06/24/2003	90	82	89	82
203937- 5		MW-5	06/24/2003	95	82	91	82
203937- 6		MW-99(DUP)	06/24/2003	97	90	93	84
203937- 7		TB-1	06/23/2003	84	77	87	81
203937- 8		FB-1	06/24/2003	88	89	88	83

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 130
BRFLBE	4-Bromofluorobenzene (surr)	70 - 130
DBRFLM	Dibromofluoromethane (surr)	70 - 130
TOLDB	Toluene-d8 (surr)	70 - 130

SURROGATE RECOVERIES REPORT

Job Number.: 203937

Report Date.: 06/25/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Byatt

Method.....: Volatile Organics (5mL Purge)
Batch(s).....: 18695

Method Code...: 8260.5
Test Matrix...: Water

Prep Batch....: 18671
Equipment Code: MSM

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLDB
LCS-18671-2			06/23/2003	89	78	90	82
MB-18671-1			06/23/2003	81	83	89	87
203937- 1		MW-1	06/24/2003	96	96	90	86
203937- 1 MS		MW-1	06/24/2003	96	93	85	93
203937- 1 MSB		MW-1	06/24/2003	92	100	93	78
203937- 1 MSD		MW-1	06/24/2003	98	92	90	92
203937- 2		MW-2	06/24/2003	94	88	87	82
203937- 3		MW-3	06/24/2003	95	91	89	83
203937- 4		MW-4	06/24/2003	90	82	89	80
203937- 5		MW-5	06/24/2003	95	88	71	82
203937- 6		MW-99(DUP)	06/24/2003	97	90	93	81
203937- 7		TB-1	06/23/2003	81	77	87	81
203937- 8		FB-1	06/24/2003	88	89	88	83

st	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 130
BRFLBE	4-Bromofluorobenzene (surr)	70 - 130
DBRFLM	Dibromofluoromethane (surr)	70 - 130
TOLDB	Toluene-d8 (surr)	70 - 130

Job Number.: 203937

QUALITY CONTROL RESULTS

Report Date.: 06/25/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Byatt

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8260B

Equipment Code....: MSM

Analyst....: gmr

Method Description.: Volatile Organics (5mL Purge)

Batch.....: 18695

MS	Matrix Spike	V03FWRK005	203937-1		06/24/2003	1405

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	Limits
Chloromethane	ug/L	53.55		50.00	1.00	U 107	34-139
Vinyl chloride	ug/L	51.31		50.00	1.00	U 103	56-142
Bromomethane	ug/L	55.03		50.00	3.10	U 110	24-161
Chloroethane	ug/L	62.00		50.00	0.80	U 124	57-157
1,1-Dichloroethene	ug/L	49.05		50.00	0.80	U 98	59-128
Carbon disulfide	ug/L	52.68		50.00	0.60	U 105	53-136
Acetone	ug/L	45.48		50.00	1.90	U 91	17-226
Methylene chloride	ug/L	49.16		50.00	0.40	U 98	70-117
trans-1,2-Dichloroethene	ug/L	51.59		50.00	0.60	U 103	63-119
1-Dichloroethane	ug/L	55.93		50.00	0.60	U 112	71-126
1,2-Dichloroethene	ug/L	53.22		50.00	0.60	U 106	64-118
2-Butanone (MEK)	ug/L	58.65		50.00	1.10	U 117	36-189
Chloroform	ug/L	56.43		50.00	0.40	U 113	69-117
1,1,1-Trichloroethane	ug/L	53.95		50.00	0.40	U 108	56-123
Carbon tetrachloride	ug/L	51.02		50.00	0.30	U 102	32-139
Benzene	ug/L	55.85		50.00	0.40	U 112	69-120
1,2-Dichloroethane	ug/L	59.58		50.00	0.30	U 119	63-123
Trichloroethene	ug/L	45.61		50.00	0.70	U 91	64-104
1,2-Dichloropropane	ug/L	55.54		50.00	0.60	U 111	72-108
Bromodichloromethane	ug/L	56.63		50.00	0.60	U 113	56-114
cis-1,3-Dichloropropene	ug/L	50.95		50.00	0.60	U 102	60-115
4-Methyl-2-pentanone (MIBK)	ug/L	59.45		50.00	0.50	U 119	49-145
Toluene	ug/L	57.00		50.00	0.30	U 114	77-110
trans-1,3-Dichloropropene	ug/L	54.33		50.00	0.40	U 109	53-118
1,1,2-Trichloroethane	ug/L	54.66		50.00	0.80	U 109	69-116
Tetrachloroethene	ug/L	42.53		50.00	0.40	U 85	66-143
2-Hexanone	ug/L	59.92		50.00	1.30	U 120	39-177
Dibromochloromethane	ug/L	52.95		50.00	0.20	U 106	77-107
Chlorobenzene	ug/L	52.98		50.00	0.20	U 106	79-113
Ethylbenzene	ug/L	57.05		50.00	0.30	U 114	76-116
Styrene	ug/L	57.43		50.00	0.40	U 115	76-112
Bromoform	ug/L	48.66		50.00	0.40	U 97	68-107
1,1,2,2-Tetrachloroethane	ug/L	59.49		50.00	0.70	U 119	59-129
Xylenes (total)	ug/L	171.74		150.00	1.00	U 114	75-116

Job Number.: 203937

QUALITY CONTROL RESULTS

Report Date.: 06/25/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Byatt

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
Test Method.....: 8260B						
Method Description.: Volatile Organics (5mL Purge)						
		Equipment Code....: MSM		Analyst....: cmr		
		Batch.....: 18695				

MSD	Matrix Spike Duplicate	V03FWRK005	203937-1	06/24/2003	0441

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits
Chloromethane	ug/L	56.83	53.55	50.00	1.00	U 114 6	34-139 20
Vinyl chloride	ug/L	54.22	51.31	50.00	1.00	U 108 6	56-142 20
Bromomethane	ug/L	52.04	55.03	50.00	3.10	U 104 6	24-161 20
Chloroethane	ug/L	62.23	62.00	50.00	0.20	U 124 0	57-157 20
1,1-Dichloroethene	ug/L	51.98	49.05	50.00	0.80	U 104 6	69-128 20
Carbon disulfide	ug/L	53.31	52.68	50.00	0.60	U 107 1	53-136 20
Acetone	ug/L	47.22	45.48	50.00	1.90	U 94 4	17-226 20
Methylene chloride	ug/L	48.95	49.16	50.00	0.40	U 98 0	70-117 20
trans-1,2-Dichloroethene	ug/L	51.07	51.59	50.00	0.60	U 102 1	62-119 20
1,1-Dichloroethane	ug/L	55.81	55.93	50.00	0.60	U 112 0	74-122 20
cis-1,2-Dichloroethene	ug/L	51.50	53.22	50.00	0.60	U 103 3	64-116 20
2-Butanone (MEK)	ug/L	58.36	58.65	50.00	1.10	U 117 1	36-189 20
Chloroform	ug/L	57.83	56.43	50.00	0.40	U 116 2	69-117 20
1,1,1-Trichloroethane	ug/L	54.89	53.95	50.00	0.40	U 110 2	56-123 20
Carbon tetrachloride	ug/L	52.89	51.02	50.00	0.30	U 106 4	32-139 20
Benzene	ug/L	54.68	55.85	50.00	0.40	U 109 2	69-120 20
1,2-Dichloroethane	ug/L	59.04	59.58	50.00	0.30	U 118 1	63-123 20
Trichloroethene	ug/L	46.79	45.61	50.00	0.70	U 94 3	64-104 20
1,2-Dichloropropane	ug/L	55.30	55.54	50.00	0.60	U 111 0	72-108 20
Bromodichloromethane	ug/L	56.59	56.63	50.00	0.60	U 113 0	56-114 20
cis-1,3-Dichloropropene	ug/L	52.38	50.95	50.00	0.60	U 105 3	60-115 20
4-Methyl-2-pentanone (MIBK)	ug/L	65.17	59.45	50.00	0.50	U 130 9	49-145 20
Toluene	ug/L	55.03	57.00	50.00	0.30	U 110 4	77-110 20
trans-1,3-Dichloropropene	ug/L	53.37	54.33	50.00	0.40	U 107 2	53-118 20
1,1,2-Trichloroethane	ug/L	54.27	54.66	50.00	0.80	U 109 1	69-116 20

QUALITY CONTROL RESULTS

Job Number.: 203937

Report Date.: 06/25/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Byatt

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date
Test Method.....: 8260B	Equipment Code....: MSM	Analyst....: gmm			
Method Description.: Volatile Organics (5mL Purge)	Batch.....: 18695				

MSD	Matrix Spike Duplicate	V03FWRK005	203937-1	06/24/2003	2441

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	Limits
Chloromethane	ug/L	56.83	53.55	50.00	1.00	U 114 6	34-139 20
Vinyl chloride	ug/L	54.22	51.31	50.00	1.00	U 108 6	56-142 20
Bromomethane	ug/L	52.04	55.03	50.00	3.10	U 104 6	24-121 20
Chloroethane	ug/L	62.23	62.00	50.00	0.80	U 124 0	57-137 20
1,1-Dichloroethene	ug/L	51.98	49.05	50.00	0.80	U 104 6	65-128 20
Carbon disulfide	ug/L	53.31	52.68	50.00	0.60	U 107 1	53-136 20
Acetone	ug/L	47.22	45.48	50.00	1.90	U 94 4	17-226 20
Methylene chloride	ug/L	48.95	49.16	50.00	0.40	U 98 0	70-117 20
trans-1,2-Dichloroethene	ug/L	51.07	51.59	50.00	0.60	U 102 1	68-119 20
1,1-Dichloroethane	ug/L	55.81	55.93	50.00	0.60	U 112 0	74-122 20
cis-1,2-Dichloroethene	ug/L	51.50	53.22	50.00	0.60	U 103 3	64-118 20
2-Butanone (MEK)	ug/L	58.36	58.65	50.00	1.10	U 117 1	36-189 20
Chloroform	ug/L	57.83	56.43	50.00	0.40	U 116 2	69-117 20
1,1,1-Trichloroethane	ug/L	54.89	53.95	50.00	0.40	U 110 2	56-123 20
Carbon tetrachloride	ug/L	52.89	51.02	50.00	0.30	U 106 4	32-159 20
Benzene	ug/L	54.68	55.85	50.00	0.40	U 109 2	69-120 20
1,2-Dichloroethane	ug/L	59.04	59.58	50.00	0.30	U 118 1	63-123 20
Trichloroethene	ug/L	46.79	45.61	50.00	0.70	U 94 3	64-104 20
1,2-Dichloropropane	ug/L	55.30	55.54	50.00	0.60	U 111 0	72-108 20
Bromodichloromethane	ug/L	56.59	56.63	50.00	0.60	U 113 0	56-114 20
cis-1,3-Dichloropropene	ug/L	52.38	50.95	50.00	0.60	U 105 3	60-115 20
4-Methyl-2-pentanone (MIBK)	ug/L	65.17	59.45	50.00	0.50	U 130 9	49-145 20
Toluene	ug/L	55.03	57.00	50.00	0.30	U 110 4	77-110 20
trans-1,3-Dichloropropene	ug/L	53.37	54.33	50.00	0.40	U 107 2	53-118 20
1,1,2-Trichloroethane	ug/L	54.27	54.66	50.00	0.80	U 109 1	69-116 20

QUALITY CONTROL RESULTS

Job Number.: 203937

Report Date.: 06/25/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Byatt

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8260B

Equipment Code....: MSM

Analyst....: GMM

Method Description.: Volatile Organics (5mL Purge)

Batch.....: 18695

MSD	Matrix Spike Duplicate	V03FWK005	203937-1		06/24/2003	1441

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	Limits
Chloromethane	ug/L	56.83	53.55	50.00	1.00	U 114 6	34-139 20
Vinyl chloride	ug/L	54.22	51.31	50.00	1.00	U 108 8	56-142 20
Bromomethane	ug/L	52.04	55.03	50.00	3.10	U 104 8	24-161 20
Chloroethane	ug/L	62.23	62.00	50.00	0.80	U 124 0	57-157 20
1,1-Dichloroethene	ug/L	51.98	49.05	50.00	0.80	U 104 8	69-128 20
Carbon disulfide	ug/L	53.31	52.68	50.00	0.60	U 107 1	53-136 20
Acetone	ug/L	47.22	45.48	50.00	1.90	U 94 4	17-226 20
Methylene chloride	ug/L	48.95	49.16	50.00	0.40	U 98 0	70-117 20
trans-1,2-Dichloroethene	ug/L	51.07	51.59	50.00	0.60	U 102 1	62-119 20
1,1-Dichloroethane	ug/L	55.81	55.93	50.00	0.60	U 112 0	74-122 20
cis-1,2-Dichloroethene	ug/L	51.50	53.22	50.00	0.60	U 103 3	64-118 20
2-Butanone (MEK)	ug/L	58.36	58.65	50.00	1.10	U 117 1	36-189 20
Chloroform	ug/L	57.83	56.43	50.00	0.40	U 116 2	69-117 20
1,1,1-Trichloroethane	ug/L	54.89	53.95	50.00	0.40	U 110 2	56-123 20
Carbon tetrachloride	ug/L	52.89	51.02	50.00	0.30	U 106 4	32-139 20
Benzene	ug/L	54.68	55.85	50.00	0.40	U 109 2	69-120 20
1,2-Dichloroethane	ug/L	59.04	59.58	50.00	0.30	U 118 1	63-123 20
Trichloroethene	ug/L	46.79	45.61	50.00	0.70	U 94 3	64-104 20
1,2-Dichloropropane	ug/L	55.30	55.54	50.00	0.60	U 111 0	72-108 20
Bromodichloromethane	ug/L	56.59	56.63	50.00	0.60	U 113 0	56-114 20
cis-1,3-Dichloropropene	ug/L	52.38	50.95	50.00	0.60	U 105 3	60-115 20
4-Methyl-2-pentanone (MIBK)	ug/L	65.17	59.45	50.00	0.50	U 130 9	49-145 20
Toluene	ug/L	55.03	57.00	50.00	0.30	U 110 4	77-110 20
trans-1,3-Dichloropropene	ug/L	53.37	54.33	50.00	0.40	U 107 2	53-118 20
1,1,2-Trichloroethane	ug/L	54.27	54.66	50.00	0.80	U 109 1	69-116 20

Job Number.: 203937

QUALITY CONTROL RESULTS

Report Date.: 06/25/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Byatt

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	V03FWRK005	203937-1		06/24/2003	0441
Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.
Tetrachloroethene	ug/L	44.38	42.53	50.00	0.40	89 4 20
2-Hexanone	ug/L	63.52	59.92	50.00	1.30	127 6 20
Dibromochloromethane	ug/L	52.60	52.95	50.00	0.20	105 1 20
Chlorobenzene	ug/L	51.63	52.98	50.00	0.20	103 3 20
Ethylbenzene	ug/L	55.03	57.05	50.00	0.30	110 4 20
Styrene	ug/L	55.94	57.43	50.00	0.40	112 3 20
Bromoform	ug/L	48.92	48.66	50.00	0.40	98 1 20
1,2,2-Tetrachloroethane	ug/L	59.60	59.49	50.00	0.70	119 0 20
Xylenes (total)	ug/L	165.98	171.74	150.00	1.00	111 3 20

Job Number.: 203937

QUALITY CONTROL RESULTS

Report Date.: 06/25/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Byatt

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8260B

Equipment Code....: MSM

Analyst....: cmm

Method Description.: Volatile Organics (5mL Purge)

Batch.....: 18695

MSB	Matrix Spike Blank	V03FWRK005	203937-1		06/24/2003	15:14

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	Limits
Chloromethane	ug/L	58.60	1.00 U	50.00	1.00 U 117		34-139
Vinyl chloride	ug/L	55.84	1.00 U	50.00	1.00 U 112		58-142
Bromomethane	ug/L	49.25	3.10 U	50.00	3.10 U 99		21-151
Chloroethane	ug/L	60.97	0.80 U	50.00	0.80 U 122		17-137
1,1-Dichloroethene	ug/L	52.11	0.80 U	50.00	0.80 U 104		69-138
Carbon disulfide	ug/L	54.58	0.60 U	50.00	0.60 U 109		53-136
Acetone	ug/L	48.38	1.90 U	50.00	1.90 U 97		17-226
Methylene chloride	ug/L	50.17	1.02 U	50.00	0.40 U 100		70-117
trans-1,2-Dichloroethene	ug/L	53.49	0.60 U	50.00	0.60 U 107		68-119
cis-1,2-Dichloroethene	ug/L	55.86	0.60 U	50.00	0.60 U 112		74-122
trans-1,2-Dichloroethene	ug/L	54.37	0.60 U	50.00	0.60 U 109		64-118
2-Butanone (MEK)	ug/L	63.26	1.10 U	50.00	1.10 U 127		36-189
Chloroform	ug/L	55.05	0.40 U	50.00	0.40 U 110		69-117
1,1,1-Trichloroethane	ug/L	56.59	0.40 U	50.00	0.40 U 113		56-123
Carbon tetrachloride	ug/L	52.86	0.30 U	50.00	0.30 U 106		32-139
Benzene	ug/L	54.36	0.40 U	50.00	0.40 U 109		69-120
1,2-Dichloroethane	ug/L	57.72	0.30 U	50.00	0.30 U 115		63-123
Trichloroethene	ug/L	47.61	0.70 U	50.00	0.70 U 95		64-104
1,2-Dichloropropane	ug/L	56.93	0.60 U	50.00	0.60 U 114		72-108
Bromodichloromethane	ug/L	56.99	0.60 U	50.00	0.60 U 114		56-114
cis-1,3-Dichloropropene	ug/L	52.43	0.60 U	50.00	0.60 U 105		60-115
4-Methyl-2-pentanone (MIBK)	ug/L	64.52	0.50 U	50.00	0.50 U 129		49-125
Toluene	ug/L	54.08	0.30 U	50.00	0.30 U 108		77-111
trans-1,3-Dichloropropene	ug/L	53.80	0.40 U	50.00	0.40 U 108		53-112
1,1,2-Trichloroethane	ug/L	54.31	0.80 U	50.00	0.80 U 109		69-116
Tetrachloroethene	ug/L	42.65	0.40 U	50.00	0.40 U 85		66-143
2-Hexanone	ug/L	68.70	1.30 U	50.00	1.30 U 137		39-177
Dibromochloromethane	ug/L	52.23	0.20 U	50.00	0.20 U 104		77-107
Chlorobenzene	ug/L	51.04	0.20 U	50.00	0.20 U 102		79-113
Ethylbenzene	ug/L	54.55	0.30 U	50.00	0.30 U 109		76-116
Styrene	ug/L	55.60	0.40 U	50.00	0.40 U 111		76-112
Bromoform	ug/L	48.19	0.40 U	50.00	0.40 U 96		68-107
1,1,2,2-Tetrachloroethane	ug/L	61.94	0.70 U	50.00	0.70 U 124		59-129
Xylenes (total)	ug/L	162.64	1.00 U	150.00	1.00 U 108		75-116

QUALITY CONTROL RESULTS

Job Number.: 203937

Report Date.: 06/25/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Byatt

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8260B

Equipment Code....: MSM

Analyst....: cmr

Method Description.: Volatile Organics (5mL Purge)

Batch.....: 18695

LCS	Laboratory Control Sample	V03FWRK005	18671 -002	06/23/2003	11:13

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Diff.
Chloromethane	ug/L	21.72		20.00	1.00	U 109	34-139
Vinyl chloride	ug/L	21.32		20.00	1.00	U 107	56-142
Bromomethane	ug/L	27.86		20.00	3.10	U 139	24-161
Chloroethane	ug/L	21.61		20.00	0.80	U 109	57-157
1,1-Dichloroethene	ug/L	14.88		20.00	0.80	U 71	69-128
Carbon disulfide	ug/L	15.69		20.00	0.60	U 78	53-136
Acetone	ug/L	25.30		20.00	1.90	U 128	17-226
Methylene chloride	ug/L	17.15		20.00	1.02	U 88	70-117
trans-1,2-Dichloroethene	ug/L	15.08		20.00	0.60	U 75	68-119
1,1-Dichloroethane	ug/L	17.20		20.00	0.60	U 88	71-122
1,2-Dichloroethane	ug/L	17.21		20.00	0.60	U 88	61-118
2-Butanone (MEK)	ug/L	24.15		20.00	1.10	U 121	36-189
Chloroform	ug/L	18.56		20.00	0.40	U 93	69-117
1,1,1-Trichloroethane	ug/L	18.19		20.00	0.40	U 91	56-123
Carbon tetrachloride	ug/L	17.95		20.00	0.30	U 90	32-139
Benzene	ug/L	17.19		20.00	0.40	U 88	69-120
1,2-Dichloroethane	ug/L	17.85		20.00	0.30	U 89	63-123
Trichloroethene	ug/L	16.12		20.00	0.70	U 81	61-104
1,2-Dichloropropane	ug/L	18.23		20.00	0.60	U 91	72-108
Bromodichloromethane	ug/L	19.03		20.00	0.60	U 95	56-114
cis-1,3-Dichloropropene	ug/L	17.56		20.00	0.60	U 88	60-115
4-Methyl-2-pentanone (MIBK)	ug/L	17.05		20.00	0.50	U 85	40-125
Toluene	ug/L	16.67		20.00	0.30	U 83	77-110
trans-1,3-Dichloropropene	ug/L	17.90		20.00	0.40	U 89	53-116
1,1,2-Trichloroethane	ug/L	20.44		20.00	0.80	U 102	69-116
Tetrachloroethene	ug/L	17.76		20.00	0.40	U 89	66-143
2-Hexanone	ug/L	20.08		20.00	1.30	U 100	39-177
Dibromochloromethane	ug/L	17.75		20.00	0.20	U 89	77-107
Chlorobenzene	ug/L	19.56		20.00	0.20	U 98	79-113
Ethylbenzene	ug/L	18.44		20.00	0.30	U 92	76-116
Styrene	ug/L	19.16		20.00	0.40	U 96	78-112
Bromoform	ug/L	19.68		20.00	0.40	U 98	68-107
1,1,2,2-Tetrachloroethane	ug/L	17.56		20.00	0.70	U 88	59-129
Xylenes (total)	ug/L	59.18		60.00	1.00	U 99	75-116

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

18671-1MB

Lab Name: STL-CT

Contract:

Lab Code: STLCT

Case No.: 203937 SAS No.:

SDG No.: 213337

Lab File ID: M4039

Lab Sample ID: 18671-1MB

Date Analyzed: 06/23/03

Time Analyzed: 2023

GC Column: DB-624 ID: 0.53 (mm)

Heated Purge: Y/N N

Instrument ID: MSM

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES: MW-1MS, MW-1MSD, MW-1MSB

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	18671-2LCS	18671-2LCS	M4040	2113
02	TB-1	203937-7	M4044	2240
03	FB-1	203937-8	M4045	2217
04	MW-4	203937-4	M4046	2140
05	MW-5	203937-5	M4047	2122
06	MW-99 (DUP)	203937-6	M4048	2133
07	MW-2	203937-2	M4049	2023
08	MW-3	203937-3	M4050	2032
09	MW-1	203937-1	M4051	2038
10	MW-1MS	203937-1MS	M4052	2413
11	MW-1MSD	203937-1MSD	M4053	2441
12	MW-1MSB	203937-1MSB	M4054	2514
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COMMENTS:

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: STL-CT

Contract:

Lab Code: STLCT

Case No.: 203937

SAS No.:

SDG No.: 203937

Lab File ID: MB922

BFB Injection Date: 06/23/03

Instrument ID: MSM

BFB Injection Time: 0821

GC Column: DB-624

ID: 0.53 (mm)

Heated Purge: Y/N: N

m/e	ION ABUNDANCE CRITERIA	RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	10.0
75	30.0 - 60.0% of mass 95	10.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	5.0
173	Less than 2.0% of mass 174	0.0
174	50.0 - 100.0% of mass 95	85.1
175	5.0 - 9.0% of mass 174	5.0
176	95.0 - 101.0% of mass 174	95.1
177	5.0 - 9.0% of mass 176	5.0

1-Value is * mass 174 1-Value is * mass 174

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050MA	VSTD050MA	M4029	06/23/03	1814
02	VSTD005ME	VSTD005ME	M4033	06/23/03	1844
03	VSTD020MC	VSTD020MC	M4034	06/23/03	1810
04	VSTD100MD	VSTD100MD	M4035	06/23/03	1851
05	VSTD200ME	VSTD200ME	M4036	06/23/03	1851
06					
07					
08					
09					
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12					
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15					
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17					
18					
19					
20					
21					
22					

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: STL-CT

Contract:

Lab Code: STLCT

Case No.: 203937 SAS No.:

SDG No.: 203937

Lab File ID: MB924

BFB Injection Date: 06/23/03

Instrument ID: MSM

BFB Injection Time: 1441

GC Column: DB-624 ID: 0.53 (mm)

Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
53	13.1 - 40.0% of mass 95	13.1
75	30.0 - 60.0% of mass 95	30.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	5.0
173	Less than 2.0% of mass 174	1.0
174	50.0 - 100.0% of mass 95	50.0
175	5.0 - 9.0% of mass 174	5.0
176	95.0 - 100.0% of mass 174	95.0
177	5.0 - 9.0% of mass 176	5.0

1-Value is % mass 174 2-Value is % mass 176

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050MF	VSTD050MF	M4038	06/23/03	1818
02	18671-1MB	18671-1MB	M4039	06/23/03	2022
03	18671-2LCS	18671-2LCS	M4040	06/23/03	2118
04	TB-1	203937-7	M4044	06/23/03	2342
05	FB-1	203937-8	M4045	06/24/03	2315
06	MW-4	203937-4	M4046	06/24/03	0049
07	MW-5	203937-5	M4047	06/24/03	0122
08	MW-99 (DUP)	203937-6	M4048	06/24/03	0138
09	MW-2	203937-2	M4049	06/24/03	0229
10	MW-3	203937-3	M4050	06/24/03	0302
11	MW-1	203937-1	M4051	06/24/03	0338
12	MW-1MS	203937-1MS	M4052	06/24/03	0408
13	MW-1MSD	203937-1MSD	M4053	06/24/03	0441
14	MW-1MSB	203937-1MSB	M4054	06/24/03	0514
15					
16					
17					
18					
19					
20					
21					
22					

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL-CT

Contract:

Lab Code: STLCT

Case No.: 203937

SAS No.:

SDG No.: 203937

Lab File ID (Standard): M4038

Date Analyzed: 06/28/00

Instrument ID: MSM

Time Analyzed: 1918

GC Column: DB-624

ID: 0.53 (mm)

Heated Purge: Y/N N

	IS1 AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 DCE AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	1971835	11.46	1299936	17.71	311111	21.71
UPPER LIMIT	3943670	11.96	2599872	18.20	618222	22.20
LOWER LIMIT	985918	10.96	649968	17.20	290000	21.20
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 18671-1ME	1961084	11.44	1402369	17.71	312111	21.71
02 18671-2LCS	1745795	11.47	1373715	17.68	313111	21.71
03 TB-1	1503401	11.40	1156118	17.68	314111	21.71
04 FB-1	1341329	11.41	1045161	17.67	315111	21.71
05 MW-4	1264116	11.42	971311	17.65	316111	21.71
06 MW-5	1197644	11.41	897349	17.65	317111	21.71
07 MW-99 (DUP)	1092418	11.42	830825	17.65	318111	21.71
08 MW-2	1114381	11.40	851342	17.64	319111	21.71
09 MW-3	1090409	11.41	794977	17.65	320111	21.71
10 MW-1	1039842	11.41	796413	17.67	321111	21.71
11 MW-1MS	1145496	11.39	775174	17.63	322111	21.71
12 MW-1MSD	1168233	11.41	821023	17.65	323111	21.71
13 MW-1MSB	1255634	11.41	896974	17.63	324111	21.71
14						
15						
16						
17						
18						
19						
20						
21						
22						

IS1 = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCE) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

DETECTION LIMIT STUDY

Method.....:8260B
 Analyst.....:Patty Mercure
 Equipment ID.:HP,MSM
 Analysis Date:01/07/2003(grp 1)

Date.:2003-01-07
 Units.:ug/L
 Batch.:13554
 T-Val.:3.985

COMPOUND/ELEMENT/TEST	Matrix	Det. Lim.	Units	Mean	Std. Dev.	Grp
Dichlorodifluoromethane Raw Data: 7.43859 7.34502 6.49643	Water	3.62	ug/L	7.193147	1.514168	
Chloromethane Raw Data: 6.54826 6.16821 5.08454	Water	3.29	ug/L	5.925511	1.174510	
Vinyl chloride Raw Data: 5.75288 5.76897 5.03380	Water	2.92	ug/L	5.518557	1.419559	
Bromomethane Raw Data: 7.21239 6.66635 4.80350	Water	3.60	ug/L	6.227413	1.243007	
Chloroethane Raw Data: 7.30861 5.26531 6.01609	Water	7.13	ug/L	6.041077	1.111444	
Trichlorofluoromethane Raw Data: 6.07349 4.83236 4.30119	Water	6.33	ug/L	5.069011	1.919148	
yl ether Raw Data: 6.80255 6.64864 5.93778	Water	3.21	ug/L	6.461091	1.461319	
1,1 Dichloro-1-Fluoroethane Raw Data: 5.53253 4.98325 4.35233	Water	4.11	ug/L	4.956037	1.590370	
Freon 123 Raw Data: 4.89779 4.89280 3.10306	Water	7.21	ug/L	4.297883	1.034750	
Trichlorotrifluoroethane Raw Data: 5.42622 5.67044 4.75087	Water	3.30	ug/L	5.282510	1.476330	
1,1-Dichloroethene Raw Data: 5.49881 4.75637 4.44036	Water	3.78	ug/L	4.898511	1.141181	
Carbon disulfide Raw Data: 6.10344 5.35169 5.33933	Water	3.05	ug/L	5.598183	1.437633	
Iodomethane Raw Data: 4.79830 5.61095 4.42050	Water	4.24	ug/L	4.943250	0.608318	
3-Chloropropene (Allyl Chloride) Raw Data: 6.87988 5.04560 4.45476	Water	8.81	ug/L	5.460080	1.264574	
Methylene chloride Raw Data: 5.02563 5.08680 4.84169	Water	0.89	ug/L	4.964707	0.127577	
Acetone Raw Data: 10.9174 7.38906 8.20280	Water	12.87	ug/L	8.836420	1.847539	
trans-1,2-Dichloroethene Raw Data: 5.08649 4.73579 3.72311	Water	4.93	ug/L	4.515130	0.707968	
Methyl-tert-butyl-ether (MTBE) Raw Data: 4.90641 5.18879 4.79725	Water	1.41	ug/L	4.964150	0.202055	
Acrolein Raw Data: 33.9284 23.0757 30.3566	Water	38.52	ug/L	29.120233	5.530979	
tert-Butyl alcohol Raw Data: 31.6769 36.8756 26.2798	Water	36.90	ug/L	31.610767	5.298210	

DETECTION LIMIT STUDY

Method.....:8260B
 Analyst.....:Patty Mercure
 Equipment ID.:HP,MSM
 Analysis Date:01/07/2003(grp 1)

Date.:2003-06-03
 Units.:ug/L
 Batch.:13554
 T-Val.:6.956

COMPOUND/ELEMENT/TEST	Matrix	Det. Lim.	Units	Mean	Std. Dev.	Grp
Acetonitrile Raw Data: 52.0483 52.9181 48.2458	Water	17.32	ug/L	51.0777	2.4441	
Acrylonitrile Raw Data: 10.8342 5.35708 8.18733	Water	19.08	ug/L	5.12409	2.13	
2-Chloro-1,3-butadiene (chloroprene) Raw Data: 3.84628 5.13678 4.24185	Water	4.60	ug/L	4.408303	0.441174	
1,1-Dichloroethane Raw Data: 4.50327 4.31724 4.48718	Water	9.67	ug/L	4.428897	0.096881	
Vinyl acetate Raw Data: 2.05889 2.23004 2.47738	Water	2.70	ug/L	2.2591	0.19	
cis-1,2-Dichloroethene Raw Data: 5.33661 4.97021 4.79072	Water	2.84	ug/L	5.100807	0.278218	
2,2-Dichloropropane Raw Data: 3.05351 4.57439 2.90348	Water	6.44	ug/L	3.510441	0.804439	
Bromochloromethane Raw Data: 5.33466 5.15917 4.47052	Water	3.18	ug/L	4.988117	0.436789	
Chloroform Raw Data: 4.95708 4.74599 4.18578	Water	2.78	ug/L	4.609617	0.396611	
Methyl Acrylate Raw Data: 5.02896 4.90548 4.34922	Water	2.52	ug/L	4.761320	0.362118	
Tetrahydrofuran Raw Data: 10.9876 9.32066 9.24565	Water	6.86	ug/L	9.851371	0.984711	
1,1,1-Trichloroethane Raw Data: 4.15508 4.69191 4.45387	Water	2.87	ug/L	4.438621	0.268387	
Carbon tetrachloride Raw Data: 2.05713 4.47949 3.60403	Water	8.54	ug/L	3.380217	1.226881	
2-Butanone (MEK) Raw Data: 9.58339 4.32600 4.21752	Water	21.36	ug/L	6.042303	0.067181	
1,1-Dichloropropene Raw Data: 4.90832 5.00013 4.24497	Water	2.87	ug/L	4.717807	0.412054	
Propionitrile Raw Data: 57.4430 40.3530 42.0557	Water	65.57	ug/L	46.617233	9.413964	
Benzene Raw Data: 4.88321 4.97801 4.78174	Water	0.68	ug/L	4.880987	0.098154	
Methacrylonitrile Raw Data: 3.96148 4.69561 3.27540	Water	4.95	ug/L	3.977497	0.710240	
1,2-Dichloroethane Raw Data: 4.95627 4.89572 4.72608	Water	0.83	ug/L	4.859357	0.119326	
Trichloroethene Raw Data: 5.09040 4.77238 4.11934	Water	3.45	ug/L	4.660707	0.495068	

DETECTION LIMIT STUDY

Method.....:8260B
 Analyst.....:Patty Mercure
 Equipment ID.:HP,MSM
 Analysis Date:01/07/2003(grp 1)

Date.:2003-01-07
 Units.:ug/L
 Batch.:13354
 T-Val.:3.965

COMPOUND/ELEMENT/TEST	Matrix	Det. Lim.	Units	Mean	Std. Dev.	Grp
Dibromomethane Raw Data: 4.61767 4.75403 4.42546	Water	1.15	ug/L	4.59888	0.16514	
1,2-Dichloropropane Raw Data: 4.99765 4.73445 4.14761	Water	3.03	ug/L	4.62457	0.42454	
Bromodichloromethane Raw Data: 3.31011 4.42489 3.97161	Water	3.90	ug/L	3.90423	0.26121	
2-Chloroethylvinylether Raw Data: 3.74874 4.04447 3.80900	Water	4.81	ug/L	3.86907	0.14971	
cis-1,3-Dichloropropene Raw Data: 3.97303 4.12002 3.94666	Water	3.07	ug/L	4.00102	0.07349	
2-Nitropropane Raw Data: 6.13144 8.06959 8.99389	Water	11.67	ug/L	8.06481	1.43417	
trans-1,3-Dichloropropene Raw Data: 3.37420 3.74139 3.64706	Water	2.33	ug/L	3.58788	0.13461	
1,1,2-Trichloroethane Raw Data: 4.71399 4.44806 4.59237	Water	0.93	ug/L	4.58487	0.13312	
Toluene Raw Data: 4.28582 4.30498 3.94574	Water	1.41	ug/L	4.17884	0.02103	
1,1-Dichloro-2-propanone Raw Data: 15.6005 16.9164 16.7947	Water	5.06	ug/L	16.43713	0.71718	
4-Methyl-2-pentanone (MIBK) Raw Data: 4.20018 3.58360 4.43391	Water	3.06	ug/L	4.07253	0.43928	
Tetrachloroethene Raw Data: 4.74118 4.22092 4.07199	Water	2.45	ug/L	4.34437	0.33147	
Ethylmethacrylate Raw Data: 4.14232 3.67063 3.74988	Water	1.76	ug/L	3.85407	0.23288	
Dibromochloromethane Raw Data: 3.63099 3.59553 3.63575	Water	0.15	ug/L	3.62075	0.03187	
1,3-Dichloropropane Raw Data: 4.56505 3.97639 4.03292	Water	2.26	ug/L	4.19145	0.32476	
1,2-Dibromoethane (EDB) Raw Data: 3.89620 3.41607 3.52877	Water	1.75	ug/L	3.61368	0.25107	
2-Hexanone Raw Data: 4.01067 3.85196 3.70922	Water	1.05	ug/L	3.85728	0.15079	
1-Chlorohexane Raw Data: 4.82545 4.37699 3.85108	Water	3.40	ug/L	4.35117	0.48769	
Chlorobenzene Raw Data: 4.48055 4.34440 4.07637	Water	1.43	ug/L	4.30644	0.20564	
1,1,1,2-Tetrachloroethane Raw Data: 3.89998 3.85577 3.86946	Water	0.16	ug/L	3.87507	0.02263	

DETECTION LIMIT STUDY

Method.....:8260B
 Analyst.....:Patty Mercure
 Equipment ID.:HP,MSM
 Analysis Date:01/07/2003(grp 1)

Date...:2003-06-17
 Units.:ug/L
 Batch.:13554
 T-Val.:6.965

COMPOUND/ELEMENT/TEST	Matrix	Det. Lim.	Units	Mean	Std. Dev.	Grp
Ethylbenzene Raw Data: 3.94587 4.04418 3.68827	Water	1.28	ug/L	3.892773	0.181911	
m&p-Xylenes Raw Data: 8.56221 8.51154 8.44010	Water	0.43	ug/L	8.54127	0.06106	
o-Xylene Raw Data: 4.67183 4.16249 4.21924	Water	1.94	ug/L	4.351197	0.278111	
Styrene Raw Data: 4.27400 3.85014 3.72078	Water	2.02	ug/L	3.948307	0.189180	
Bromoform Raw Data: 3.18762 3.16739 3.29506	Water	0.43	ug/L	3.21682	0.05911	
Isopropylbenzene Raw Data: 4.13737 4.21879 3.78748	Water	1.61	ug/L	4.047881	0.109133	
1,2,2-Tetrachloroethane Raw Data: 3.60721 4.64691 3.75029	Water	3.81	ug/L	4.001470	0.863827	
Bromobenzene Raw Data: 4.03602 3.99936 3.59129	Water	1.71	ug/L	3.875537	0.246664	
1,2,3-Trichloropropane Raw Data: 4.07601 4.51137 3.96065	Water	2.11	ug/L	4.162677	0.190440	
trans-1,4-Dichloro-2-butene Raw Data: 4.48639 7.16090 5.12397	Water	9.73	ug/L	5.590420	1.336917	
n-Propylbenzene Raw Data: 4.06700 3.93770 3.37227	Water	2.57	ug/L	3.792323	0.369477	
2-Chlorotoluene Raw Data: 4.08921 4.70437 3.91476	Water	2.89	ug/L	4.236113	0.414790	
4-Chlorotoluene Raw Data: 4.33955 4.22573 4.33986	Water	0.46	ug/L	4.301713	0.065804	
1,3,5-Trimethylbenzene Raw Data: 4.18709 4.40007 3.78954	Water	2.16	ug/L	4.125567	0.309880	
tert-Butylbenzene Raw Data: 4.17999 4.55032 3.77964	Water	2.63	ug/L	4.169983	0.345427	
1,2,4-Trimethylbenzene Raw Data: 4.21430 4.29071 3.86021	Water	1.60	ug/L	4.121740	0.229691	
sec-Butylbenzene Raw Data: 4.17365 4.55164 3.73620	Water	2.84	ug/L	4.153830	0.402081	
p-Isopropyltoluene Raw Data: 4.13576 4.43537 3.84305	Water	2.06	ug/L	4.138060	0.296167	
1,3-Dichlorobenzene Raw Data: 3.87159 4.30644 3.59209	Water	2.51	ug/L	3.923373	0.359979	
1,4-Dichlorobenzene Raw Data: 4.12545 4.64405 4.07814	Water	2.19	ug/L	4.282547	0.313963	

DETECTION LIMIT STUDY

Method.....:8260B
 Analyst.....:Patty Mercure
 Equipment ID.:HP,MSM
 Analysis Date:01/07/2003 (grp 1)

Date...:2003-08-08
 Units.:ug/L
 Batch.:13554
 T-Val.:6.965

COMPOUND/ELEMENT/TEST	Matrix	Det. Lim.	Units	Mean	Std. Dev.	Grp
1,2-Dichlorobenzene Raw Data: 4.13059 4.39976 4.04963	Water	1.08	ug/L	4.193327	0.183711	
Benzyl chloride Raw Data: 2.81396 3.56246 3.72308	Water	3.21	ug/L	3.033147	0.374555	
n-Butylbenzene Raw Data: 4.08977 3.79467 3.44366	Water	2.35	ug/L	3.776033	0.323458	
1,2-Dibromo-3-chloropropane Raw Data: 4.91906 4.36029 5.27594	Water	3.14	ug/L	4.884430	0.451451	
Nitrobenzene Raw Data: 24.6324 24.6260 24.6845	Water	15.90	ug/L	24.647577	0.134507	
1,2,4-Trichlorobenzene Raw Data: 3.75465 3.16446 3.36010	Water	3.09	ug/L	3.426403	0.311067	
1,2-Dichlorobutadiene Raw Data: 3.95663 4.50211 3.94607	Water	3.22	ug/L	4.134637	0.318115	
Naphthalene Raw Data: 4.02809 3.05149 2.81976	Water	4.47	ug/L	3.299780	0.641289	
1,2,3-Trichlorobenzene Raw Data: 3.76751 3.47420 3.42320	Water	1.29	ug/L	3.554970	0.185823	
1,2-Dichloroethene (total) Raw Data: 10.4231 9.70602 8.51383	Water	6.72	ug/L	9.547650	0.964437	
Xylenes (total) Raw Data: 13.2340 12.6740 12.6593	Water	2.26	ug/L	12.855767	0.317640	

LABORATORY TEST RESULTS

Job Number: 203937

Date: 06/25/2003

STOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Byatt

Customer Sample ID: MW-1
Date Sampled.....: 06/17/2003
Time Sampled.....: 11:15
Sample Matrix.....: Water

Laboratory Sample ID: 203937-1
Date Received.....: 06/18/2003
Time Received.....: 17:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)	ND	U		1	5	1.00000	ug/L	18695		06/24/03 0335	clmn
	Chloromethane	ND	U		1	5	1.00000	ug/L	18695		06/24/03 0335	clmn
	Vinyl chloride	ND	U		3	5	1.00000	ug/L	18695		06/24/03 0335	clmn
	Bromomethane	ND	U		0.8	5	1.00000	ug/L	18695		06/24/03 0335	clmn
	Chloroethane	ND	U		0.8	5	1.00000	ug/L	18695		06/24/03 0335	clmn
	1,1-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0335	clmn
	Carbon disulfide	ND	U		2	10	1.00000	ug/L	18695		06/24/03 0335	clmn
	Acetone	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0335	clmn
	Methylene chloride	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0335	clmn
	trans-1,2-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0335	clmn
	1,1-Dichloroethane	ND	U		2	5	1.00000	ug/L	18695		06/24/03 0335	clmn
	Vinyl acetate	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0335	clmn
	cis-1,2-Dichloroethene	ND	U		1	10	1.00000	ug/L	18695		06/24/03 0335	clmn
	2-Butanone (MEK)	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0335	clmn
	Chloroform	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0335	clmn
	1,1,1-Trichloroethane	ND	U		0.3	5	1.00000	ug/L	18695		06/24/03 0335	clmn
	Carbon tetrachloride	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0335	clmn
	Benzene	ND	U		0.5	5	1.00000	ug/L	18695		06/24/03 0335	clmn
	1,2-Dichloroethane	ND	U		0.7	5	1.00000	ug/L	18695		06/24/03 0335	clmn
	Trichloroethene	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0335	clmn
	1,2-Dichloropropane	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0335	clmn
	Bromodichloromethane	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0335	clmn
	cis-1,3-Dichloropropene	ND	U		0.5	10	1.00000	ug/L	18695		06/24/03 0335	clmn
	4-Methyl-2-pentanone (MIBK)	ND	U		0.5	5	1.00000	ug/L	18695		06/24/03 0335	clmn
	Toluene	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0335	clmn
	trans-1,3-Dichloropropene	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0335	clmn
	1,1,2-Trichloroethane	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0335	clmn
	Tetrachloroethene	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0335	clmn
	2-Hexanone	ND	U		1	10	1.00000	ug/L	18695		06/24/03 0335	clmn

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 203937

Date: 06/25/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Byatt

Customer Sample ID: MW-1
 Date Sampled.....: 06/17/2003
 Time Sampled.....: 11:15
 Sample Matrix.....: Water

Laboratory Sample ID: 203937-1
 Date Received.....: 06/18/2003
 Time Received.....: 17:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDI	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.2	5	1.00000	ug/L	18695		06/24/03 0335	dmm
	Chlorobenzene	ND	U		0.2	5	1.00000	ug/L	18695		06/24/03 0335	dmm
	Ethylbenzene	ND	U		0.3	5	1.00000	ug/L	18695		06/24/03 0335	dmm
	Styrene	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0335	dmm
	Bromoform	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0335	dmm
	1,1,2,2-Tetrachloroethane	ND	U		0.7	5	1.00000	ug/L	18695		06/24/03 0335	dmm
	Xylenes (total)	ND	U		1	5	1.00000	ug/L	18695		06/24/03 0335	dmm

* In Description = Dry Wgt.

STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\Files\chem\VOA\msm.i\M034038.b\M4051.D
Lab Smp Id: 203937-1 Client Smp ID: MW-1
Inj Date : 24-JUN-2003 03:35 MS Autotune Date: 19-MAR-2003 13:13
Operator : k.arnold Inst ID: msm.i
Smp Info : 203937-1
Misc Info : : ;;; MW-1 ; 8260B ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\Files\chem\VOA\msm.i\M034038.b\M8260BFW.m
Meth Date : 23-Jun-2003 19:38 michael Quant Type: ISTD
Cal Date : 23-JUN-2003 16:23 Cal File: M4051.D
Als bottle: 45
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.10

Compound Sublist: 8260BAPP.sur

Ka
6/24/03

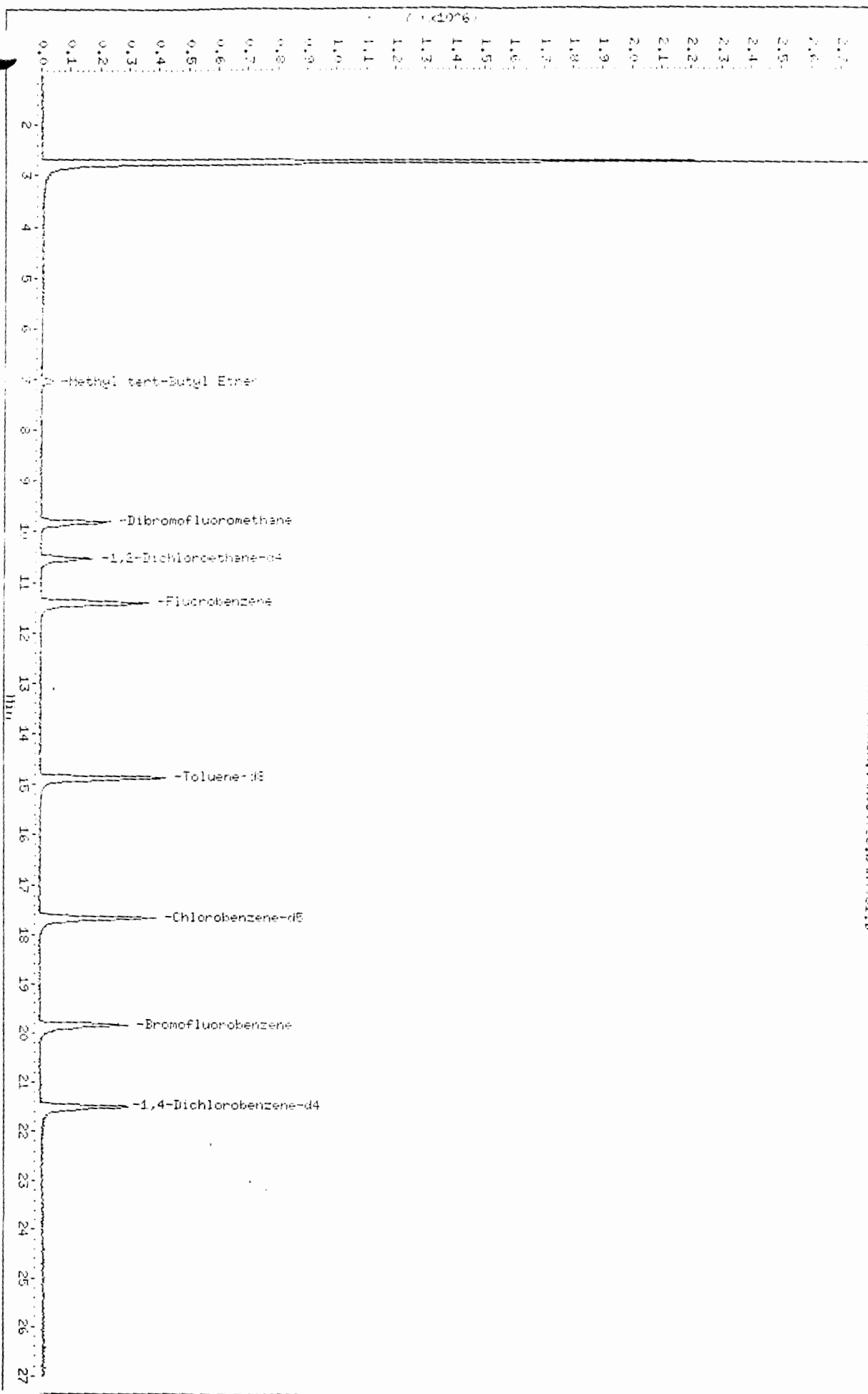
Concentration Formula: Amt * DF * UF * 1/Vc * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
UF	1.000	ng unit correction factor
Vc	1.000	Sample Volume purged µl
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		AMT	EXT AMT	REL AMT	RESPONSE	CONC (µg/L)	FIND (µg/L)
* 1 Fluorobenzene	96	11.411	11.465	1.000	1039842	28.1001	
19 Methyl tert-Butyl Ether	75	7.054	7.125	0.618	104532	1.41835	
8 36 Dibromofluoromethane	111	9.807	9.807	0.660	445641	23.5865	24
8 50 1,2-Dichloroethane-d2	65	10.539	11.590	10.924	313226	13.9077	14
* 66 Chlorobenzene-d5	117	17.466	17.701	1.000	796413	23.0000	
8 70 Toluene-d8	98	14.460	14.913	0.841	857541	21.9000	21
* 87 1,4-Dichlorobenzene-d4	152	21.452	21.501	1.000	292291	21.1001	
8 114 Bromofluorobenzene	95	19.826	19.644	0.923	411674	24.0641	24

Column phase: HP-624

Column diameter: 0.53



06/25/2003

LABORATORY TEST RESULTS

Job Number: 203937

Date: 06/25/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Byatt

Customer Sample ID: MW-2
 Date Sampled.....: 06/17/2003
 Time Sampled.....: 13:00
 Sample Matrix.....: Water

Laboratory Sample ID: 203937-2
 Date Received.....: 06/18/2003
 Time Received.....: 17:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)	ND	U		1	5	1.00000	ug/L	18695		06/24/03 0228	clm
	Chloromethane	ND	U		1	5	1.00000	ug/L	18695		06/24/03 0228	clm
	Vinyl chloride	ND	U		5	5	1.00000	ug/L	18695		06/24/03 0228	clm
	Bromomethane	ND	U		0.8	5	1.00000	ug/L	18695		06/24/03 0228	clm
	Chloroethane	ND	U		0.8	5	1.00000	ug/L	18695		06/24/03 0228	clm
	1,1-Dichloroethane	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0228	clm
	Carbon disulfide	ND	U		2	10	1.00000	ug/L	18695		06/24/03 0228	clm
	Acetone	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0228	clm
	Methylene chloride	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0228	clm
	trans-1,2-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0228	clm
	1,1-Dichloroethane	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0228	clm
	Vinyl acetate	ND	U		2	5	1.00000	ug/L	18695		06/24/03 0228	clm
	cis-1,2-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0228	clm
	2-Butanone (MEK)	ND	U		1	10	1.00000	ug/L	18695		06/24/03 0228	clm
	Chloroform	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0228	clm
	1,1,1-Trichloroethane	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0228	clm
	Carbon tetrachloride	ND	U		0.3	5	1.00000	ug/L	18695		06/24/03 0228	clm
	Benzene	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0228	clm
	1,2-Dichloroethane	ND	U		0.3	5	1.00000	ug/L	18695		06/24/03 0228	clm
	Trichloroethene	ND	U		0.7	5	1.00000	ug/L	18695		06/24/03 0228	clm
	1,2-Dichloropropane	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0228	clm
	Bromodichloromethane	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0228	clm
	cis-1,3-Dichloropropene	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0228	clm
	4-Methyl-2-pentanone (MIBK)	ND	U		0.5	10	1.00000	ug/L	18695		06/24/03 0228	clm
	Toluene	ND	U		0.5	5	1.00000	ug/L	18695		06/24/03 0228	clm

STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\Files\chem\VOA\msm.i\M034038.b\M4049.D
 Lab Smp Id: 203937-2 Client Smp ID: MW-2
 Inj Date : 24-JUN-2003 02:28 MS Autotune Date: 19-MAR-2003 13:25
 Operator : k.arnold Inst ID: msm.i
 Smp Info : 203937-2
 Misc Info : : ;;; MW-2 ; 8260B ; 1 ; ILN
 Comment :
 Method : \\TARGET1_CT\Files\chem\VOA\msm.i\M034038.b\M8260BFW.T
 Meth Date : 23-Jun-2003 13:33 michael Quant Type: ISTD
 Cal Date : 23-JUN-2003 16:23 Cal File: M4038.D
 Als bottle: 43
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.10

Compound Sublist: 8260BAPP.ssr

Ka
6/24/03

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

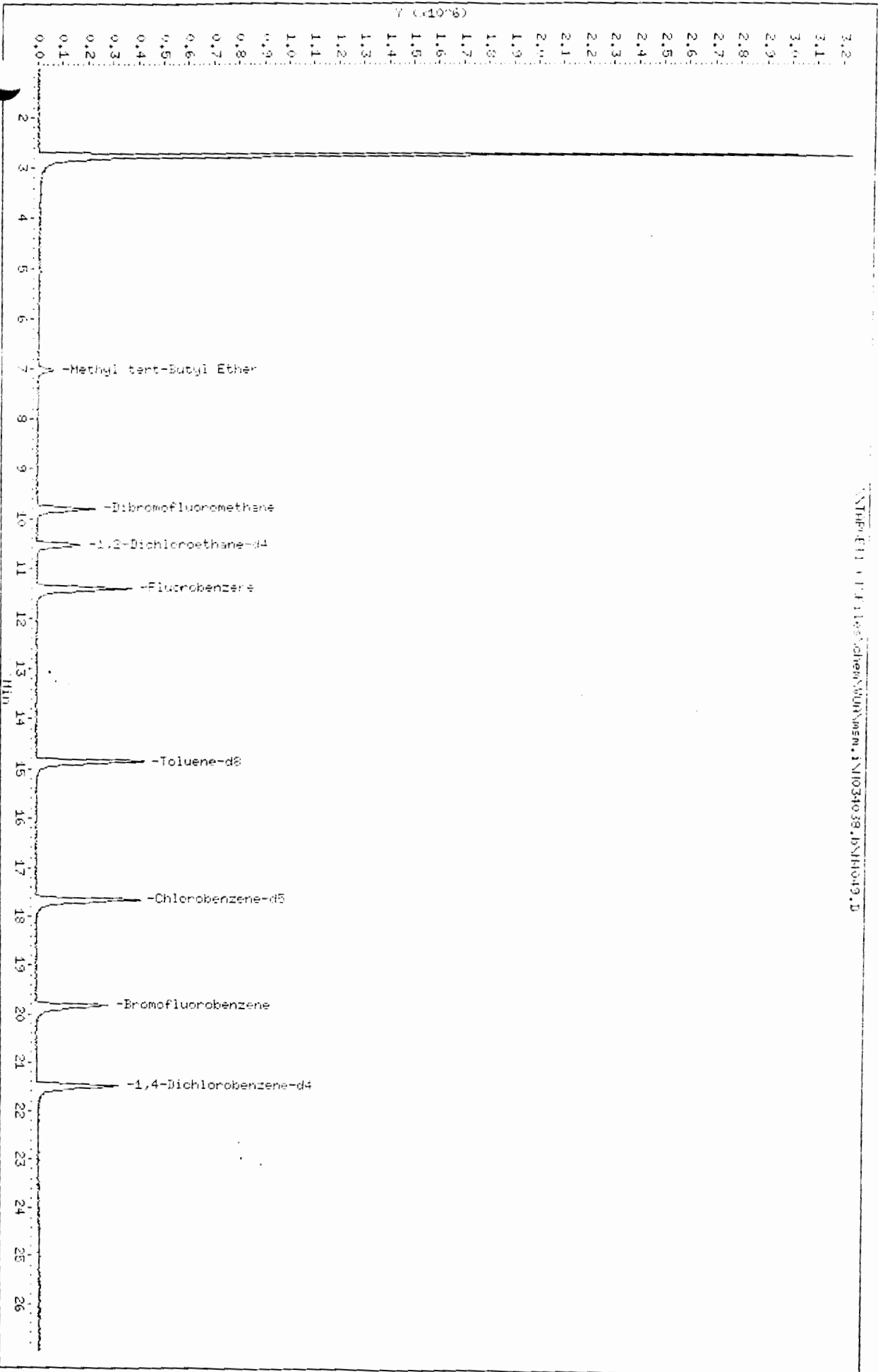
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT STD MASS	CONCENTRATIONS				RESPONSE	CONCENTRATIONS	
		RT	EXP RT	REL RT			IN-SOLVENT	FINAL
							ug/L	ug/L
*****	****	****	*****	*****	*****	*****	*****	*****
* 1 Fluorobenzene	96	11.398	11.468	1.001	1114381	15.1177		
19 Methyl tert-Butyl Ether	73	7.025	7.091	1.016	167794	5.10008		
\$ 38 Dibromofluoromethane	111	9.795	9.877	1.009	459797	11.0485	11	
\$ 50 1,2-Dichloroethane-d4	66	10.527	10.592	1.004	329359	11.4575	11	
* 68 Chlorobenzene-d5	117	17.636	17.721	1.006	651342	23.9011		
\$ 70 Toluene-d8	98	14.565	14.613	1.003	681521	11.5711	11	
* 87 1,4-Dichlorobenzene-d4	183	21.457	21.501	1.002	340524	15.1010		
\$ 114 Bromofluorobenzene	86	19.814	19.844	1.002	440144	22.0841	20	

Data File: N1034038.D
 Date: 24-Jul-2007 09:29
 Client ID: 1002
 Sample Info: 203937
 Purge Volume: 5.0
 Column phase: 10-624

Instrument: 6890A
 Operator: J. Arnold
 Column diameter: 0.53

N1034038.D: 1.11e5 ChemStation.N1034038.D.N1034038.D



LABORATORY TEST RESULTS

Date: 06/25/2003

Job Number: 203937

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Byatt

CUSTOMER: Walden Associates

Laboratory Sample ID: 203937-3
Date Received: 06/18/2003
Time Received: 17:10

Customer Sample ID: MW-3
Date Sampled: 06/18/2003
Time Sampled: 11:50
Sample Matrix: Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	NDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)	ND	U	1	5	1.00000	ug/L	18695		06/24/03 0302	chm
	Chloromethane	ND	U	1	5	1.00000	ug/L	18695		06/24/03 0302	chm
	Vinyl chloride	ND	U	3	5	1.00000	ug/L	18695		06/24/03 0302	chm
	Bromomethane	ND	U	0.8	5	1.00000	ug/L	18695		06/24/03 0302	chm
	Chloroethane	ND	U	0.8	5	1.00000	ug/L	18695		06/24/03 0302	chm
	1,1-Dichloroethene	ND	U	0.6	5	1.00000	ug/L	18695		06/24/03 0302	chm
	Carbon disulfide	ND	U	2	10	1.00000	ug/L	18695		06/24/03 0302	chm
	Acetone	ND	U	0.4	5	1.00000	ug/L	18695		06/24/03 0302	chm
	Methylene chloride	ND	U	0.6	5	1.00000	ug/L	18695		06/24/03 0302	chm
	trans-1,2-Dichloroethene	ND	U	0.6	5	1.00000	ug/L	18695		06/24/03 0302	chm
	1,1-Dichloroethane	ND	U	0.6	5	1.00000	ug/L	18695		06/24/03 0302	chm
	Vinyl acetate	ND	U	2	5	1.00000	ug/L	18695		06/24/03 0302	chm
	cis-1,2-Dichloroethene	ND	U	0.6	5	1.00000	ug/L	18695		06/24/03 0302	chm
	2-Butanone (MEK)	ND	U	1	10	1.00000	ug/L	18695		06/24/03 0302	chm
	Chloroform	ND	U	0.4	5	1.00000	ug/L	18695		06/24/03 0302	chm
	1,1,1-Trichloroethane	ND	U	0.3	5	1.00000	ug/L	18695		06/24/03 0302	chm
	Carbon tetrachloride	ND	U	0.4	5	1.00000	ug/L	18695		06/24/03 0302	chm
	Benzene	ND	U	0.3	5	1.00000	ug/L	18695		06/24/03 0302	chm
	1,2-Dichloroethane	ND	U	0.7	5	1.00000	ug/L	18695		06/24/03 0302	chm
	Trichloroethene	ND	U	0.6	5	1.00000	ug/L	18695		06/24/03 0302	chm
	1,2-Dichloropropane	ND	U	0.6	5	1.00000	ug/L	18695		06/24/03 0302	chm
	Bromodichloromethane	ND	U	0.6	5	1.00000	ug/L	18695		06/24/03 0302	chm
	cis-1,3-Dichloropropene	ND	U	0.5	10	1.00000	ug/L	18695		06/24/03 0302	chm
	4-Methyl-2-pentanone (MIBK)	ND	U	0.3	5	1.00000	ug/L	18695		06/24/03 0302	chm
	Toluene	ND	U	0.4	5	1.00000	ug/L	18695		06/24/03 0302	chm
	trans-1,3-Dichloropropene	ND	U	0.8	5	1.00000	ug/L	18695		06/24/03 0302	chm
	1,1,2-Trichloroethane	ND	U	0.6	5	1.00000	ug/L	18695		06/24/03 0302	chm
	Tetrachloroethene	ND	U	0.6	5	1.00000	ug/L	18695		06/24/03 0302	chm
	2-Hexanone	ND	U	1	10	1.00000	ug/L	18695		06/24/03 0302	chm

* In Description = Dry Wgt.

L A B O R A T O R Y T E S T R E S U L T S

Job Number: 203937

Date: 06/25/2003

CUSTOMER: Walden Associates

PROJECT: 21B LAKEVILLE ROAD A

ATTN: Stephen Byatt

Customer Sample ID: MW-3
 Date Sampled.....: 06/18/2003
 Time Sampled.....: 11:50
 Sample Matrix.....: Water

Laboratory Sample ID: 203937-3
 Date Received.....: 06/18/2003
 Time Received.....: 17:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U	0.2	5	1.00000	ug/L	18695		06/24/03 0302	chm
	Chlorobenzene	ND	U	0.2	5	1.00000	ug/L	18695		06/24/03 0302	chm
	Ethylbenzene	ND	U	0.3	5	1.00000	ug/L	18695		06/24/03 0302	chm
	Styrene	ND	U	0.4	5	1.00000	ug/L	18695		06/24/03 0302	chm
	Bromoform	ND	U	0.4	5	1.00000	ug/L	18695		06/24/03 0302	chm
	1,1,2,2-Tetrachloroethane	ND	U	0.7	5	1.00000	ug/L	18695		06/24/03 0302	chm
	Xylenes (total)	ND	U	1	5	1.00000	ug/L	18695		06/24/03 0302	chm

* In Description = Dry Wgt.

STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\Files\chem\VOA\msm.i\M034038.b\M4050.D
 Lab Smp Id: 203937-3 Client Smp ID: MW-3
 Inj Date : 24-JUN-2003 03:02 MS Autotune Date: 19-MAR-2003 13:25
 Operator : k.arnold Inst ID: msm.i
 Smp Info : 203937-3
 Misc Info : : ; MW-3 ; 8260B ; 1 ; LNW
 Comment :
 Method : \\TARGET1_CT\Files\chem\VOA\msm.i\M034038.b\M8260BFW.m
 Meth Date : 23-Jun-2003 19:33 michael Quant Type: ISTD
 Cal Date : 23-JUN-2003 16:23 Cal File: M4038.L
 Als bottle: 44
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.10

ka
6/24/03

Compound Sublist: 8260BAP9.SUR

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

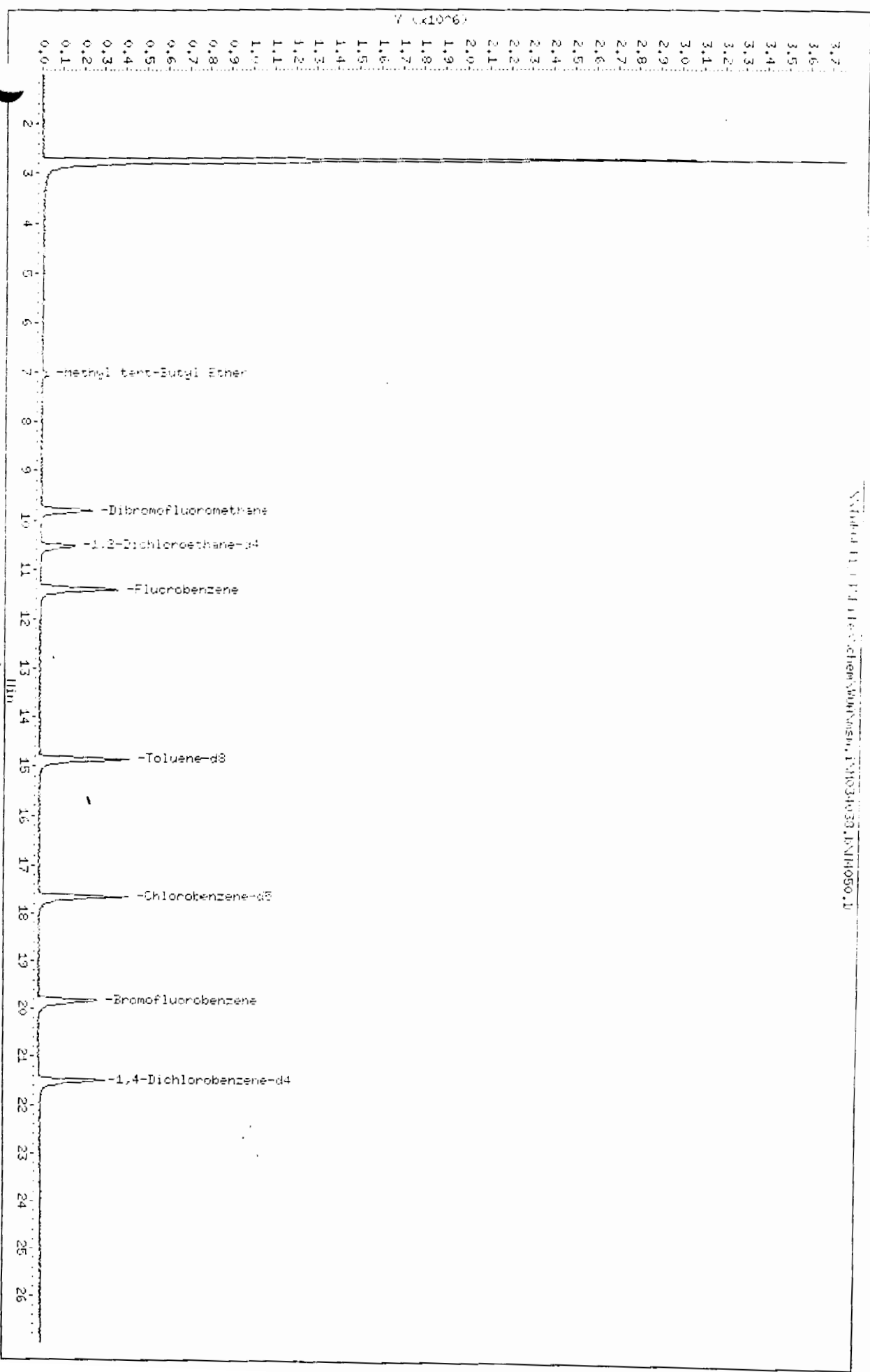
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN SIGNAL
						UG/L	UG/L
1 Fluorobenzene	96	11.410	11.463	(1.000)	1090409	25.0000	
19 Methyl tert-Butyl Ether	73	7.019	7.090	(0.615)	75156	2.34374	1
36 Dibromofluoromethane	111	9.907	9.977	(0.960)	459477	22.2081	21
50 1,2-Dichloroethane-d4	66	10.521	10.592	(0.922)	324630	23.6281	14
68 Chlorobenzene-d5	117	17.648	17.701	(1.000)	794977	25.0000	
70 Toluene-d8	98	14.860	14.913	(0.642)	625735	21.5598	21
87 1,4-Dichlorobenzene-d4	152	21.499	21.570	(1.000)	319235	25.0000	
114 Bromofluorobenzene	95	19.826	19.844	(0.922)	424623	22.7266	23

Data File: N1803103.D
Date: 24-Jul-2002 09:00
Client ID: 101-3
Sample Info: 203073
Purge Volume: 5.0
Column Phase: HP-604

Injection: 10.0
Operator: J. Arnold
Column Offset: 0.53

N1803103.D: 1,1,1-Trichloroethane, 1,1,1,3,3,3-Hexachloroethane, 1,1,1,3,3,3-Hexachloroethane



Job Number: 203937

LABORATORY TEST RESULTS

Date: 06/25/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Ryatt

Customer Sample ID: MW-4
 Date Sampled.....: 06/17/2003
 Time Sampled.....: 15:30
 Sample Matrix.....: Water

Laboratory Sample ID: 203937-4
 Date Received.....: 06/18/2003
 Time Received.....: 17:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)	ND										
	Chloromethane	ND			1	5	1.00000	ug/L	18695		06/24/03 0049	chm
	Vinyl chloride	ND			1	5	1.00000	ug/L	18695		06/24/03 0049	chm
	Bromomethane	ND			3	5	1.00000	ug/L	18695		06/24/03 0049	chm
	Chloroethane	ND			0.8	5	1.00000	ug/L	18695		06/24/03 0049	chm
	1,1-Dichloroethene	ND			0.8	5	1.00000	ug/L	18695		06/24/03 0049	chm
	Carbon disulfide	ND			0.6	5	1.00000	ug/L	18695		06/24/03 0049	chm
	Acetone	ND			2	10	1.00000	ug/L	18695		06/24/03 0049	chm
	Methylene chloride	ND			0.4	5	1.00000	ug/L	18695		06/24/03 0049	chm
	trans-1,2-Dichloroethene	ND			0.6	5	1.00000	ug/L	18695		06/24/03 0049	chm
	1,1-Dichloroethane	ND			0.6	5	1.00000	ug/L	18695		06/24/03 0049	chm
	Vinyl acetate	ND			2	5	1.00000	ug/L	18695		06/24/03 0049	chm
	cis-1,2-Dichloroethene	ND			0.6	5	1.00000	ug/L	18695		06/24/03 0049	chm
	2-Butanone (MEK)	ND			1	10	1.00000	ug/L	18695		06/24/03 0049	chm
	Chloroform	ND			0.4	5	1.00000	ug/L	18695		06/24/03 0049	chm
	1,1,1-Trichloroethane	ND			0.4	5	1.00000	ug/L	18695		06/24/03 0049	chm
	Carbon tetrachloride	ND			0.3	5	1.00000	ug/L	18695		06/24/03 0049	chm
	Benzene	ND			0.4	5	1.00000	ug/L	18695		06/24/03 0049	chm
	1,2-Dichloroethane	ND			0.3	5	1.00000	ug/L	18695		06/24/03 0049	chm
	Trichloroethene	ND			0.7	5	1.00000	ug/L	18695		06/24/03 0049	chm
	1,2-Dichloropropane	ND			0.6	5	1.00000	ug/L	18695		06/24/03 0049	chm
	Bromodichloromethane	ND			0.6	5	1.00000	ug/L	18695		06/24/03 0049	chm
	cis-1,3-Dichloropropene	ND			0.6	5	1.00000	ug/L	18695		06/24/03 0049	chm
	4-Methyl-2-pentanone (MIBK)	ND			0.5	10	1.00000	ug/L	18695		06/24/03 0049	chm
	Toluene	ND			0.3	5	1.00000	ug/L	18695		06/24/03 0049	chm
	trans-1,3-Dichloropropene	ND			0.4	5	1.00000	ug/L	18695		06/24/03 0049	chm
	1,1,2-Trichloroethane	ND			0.8	5	1.00000	ug/L	18695		06/24/03 0049	chm
	Tetrachloroethene	ND			0.4	5	1.00000	ug/L	18695		06/24/03 0049	chm
	2-Hexanone	ND			1	10	1.00000	ug/L	18695		06/24/03 0049	chm

* In Description = Dry Wgt.

Customer Sample ID: MW-4
Date Sampled.....: 06/17/2003
Time Sampled.....: 15:30
Sample Matrix.....: Water

Laboratory Sample ID: 203937-4
Date Received.....: 06/18/2003
Time Received.....: 17:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.2	5	1.00000	ug/L	18695		06/24/03 0049	clmm
	Chlorobenzene	ND	U		0.2	5	1.00000	ug/L	18695		06/24/03 0049	clmm
	Ethylbenzene	ND	U		0.3	5	1.00000	ug/L	18695		06/24/03 0049	clmm
	Styrene	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0049	clmm
	Bromoform	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0049	clmm
	1,1,2,2-Tetrachloroethane	ND	U		0.7	5	1.00000	ug/L	18695		06/24/03 0049	clmm
	Xylenes (total)	ND	U		1	5	1.00000	ug/L	18695		06/24/03 0049	clmm

STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\Files\chem\VOA\msm.i\M034038.b\M4046.D
Lab Smp Id: 203937-4 Client Smp ID: MW-4
Inj Date : 24-JUN-2003 00:49 MS Autotune Date: 19-MAR-2003 13:25
Operator : k.arnold Inst ID: msm.i
Smp Info : 203937-4
Misc Info : : ;;; MW-4 ; 8260B ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\Files\chem\VOA\msm.i\M034038.b\M4046.D
Meth Date : 23-Jun-2003 19:35 michael Quant Type: ISTD
Cal Date : 23-JUN-2003 16:23 Cal File: M4036.I
Als bottle: 40
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.10

Ka
6/24/03

Compound Sublist: 8260BAPP.SUR

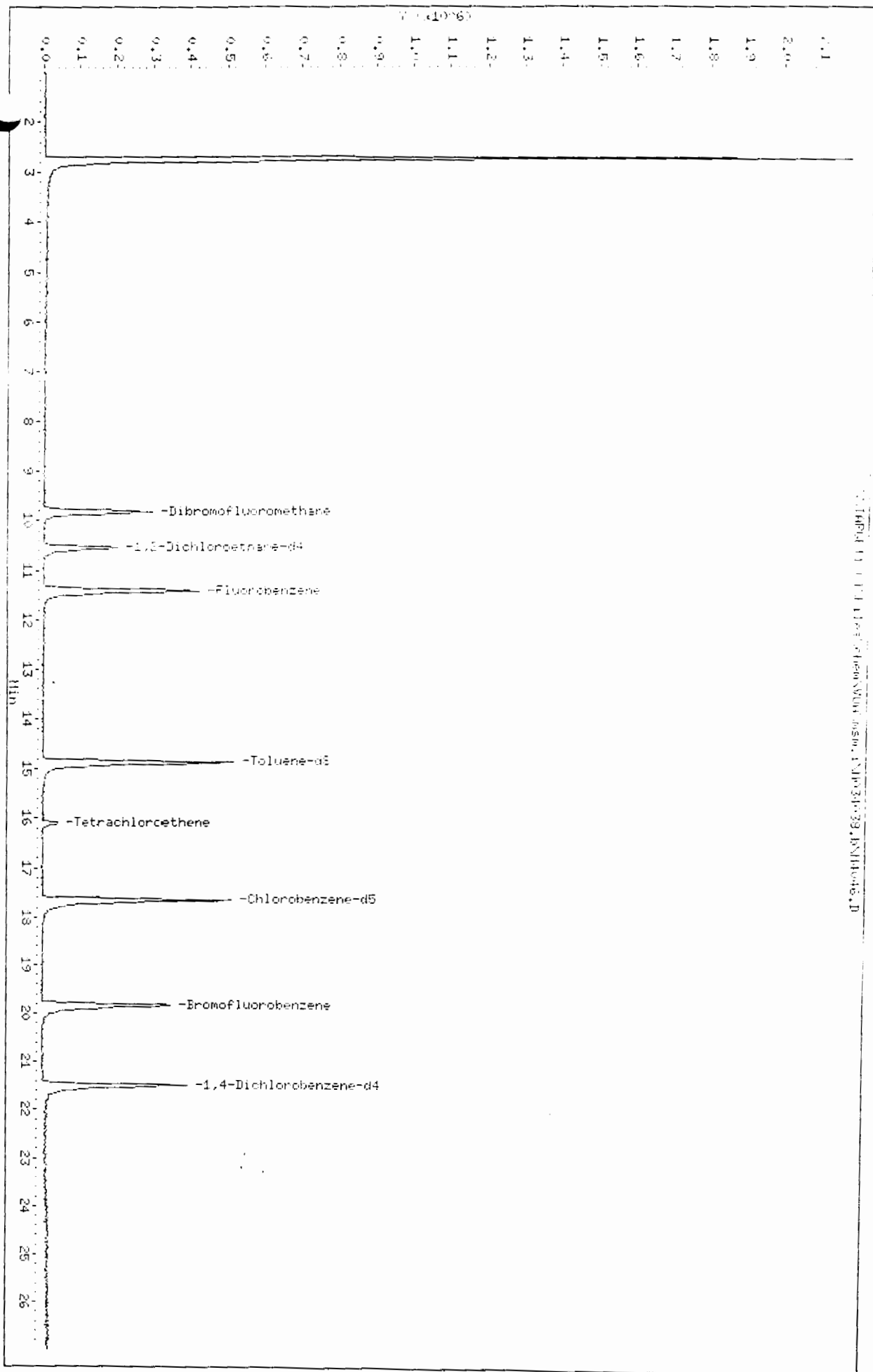
Concentration Formula: Amt * DF * Uf * 1 Vc * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vc	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG				RESPONSE	CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT		ON-TEMP	FINAL
*****	****	*****	*****	*****	*****	*****	*****
* 1 Fluorobenzene	96	11.415	11.460	1.000	1264116	25.1007	
S 36 Dibromofluoromethane	111	9.810	9.877	0.8600	534662	22.2910	10
S 50 1,2-Dichloroethane-d4	65	10.540	10.590	0.924	359056	20.8561	70
* 68 Chlorobenzene-d5	117	17.653	17.701	1.000	971318	25.0000	
S 70 Toluene-d8	98	14.865	14.913	0.8420	1003370	10.8217	21
73 Tetrachloroethene	164	16.102	16.160	0.9120	23775	1.87022	1
* 87 1,4-Dichlorobenzene-d4	133	21.486	21.500	1.000	408714	25.0000	
S 114 Bromofluorobenzene	95	19.831	19.844	0.9230	488055	20.4023	20

Data File: NITROCELL 01.D
Date: 24-JUL-2007 09:44
Client ID: NW-4
Sample Info: 203337-4
Purge Volume: 5.0
Column Phase: DB-624

Instrument: 6890A
Operator: J. Arnold
Column Eluent: 0.53



0000037

Date : 24-JUN-2003 00:49

Client ID: MW-4

Instrument: msm.1

Sample Info: 203937-4

Purge Volume: 5.0

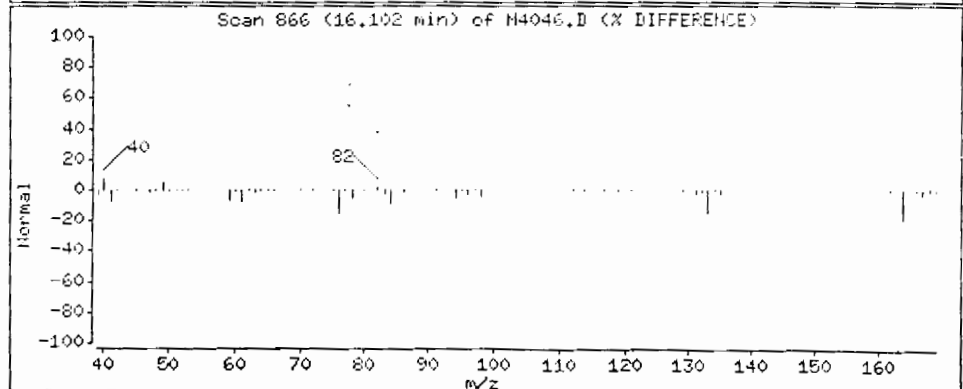
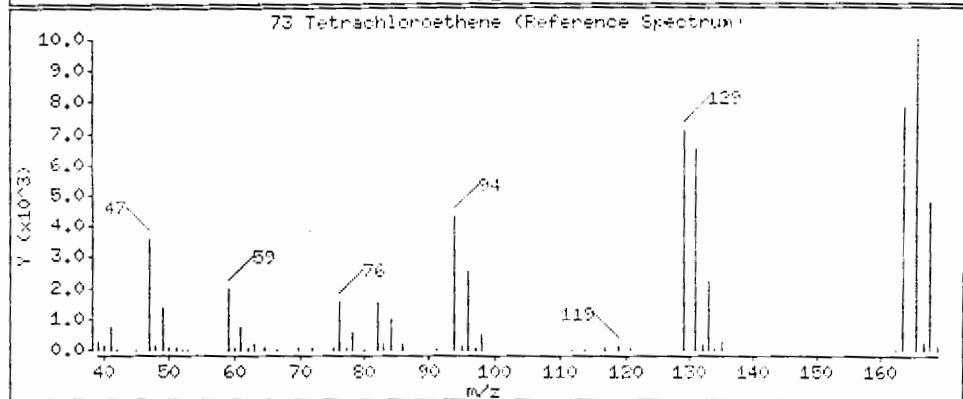
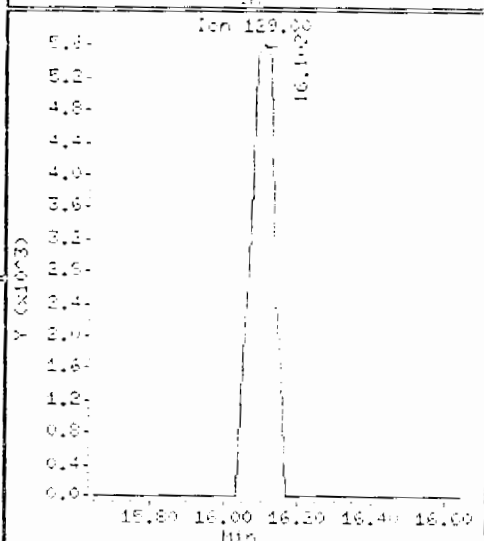
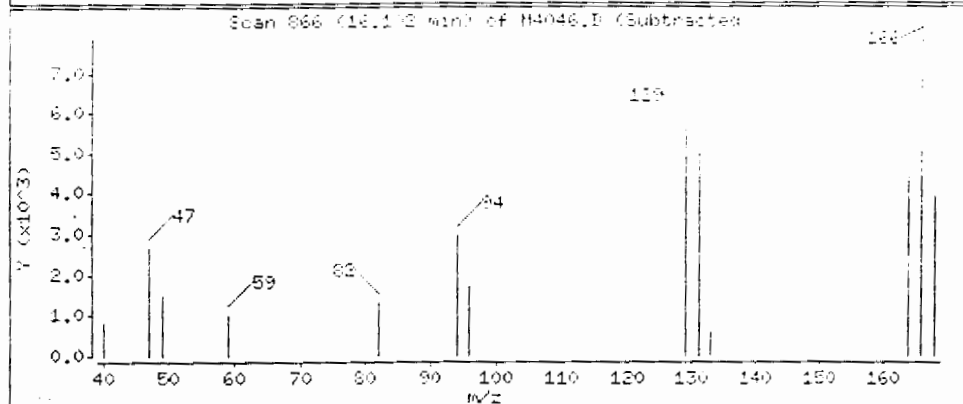
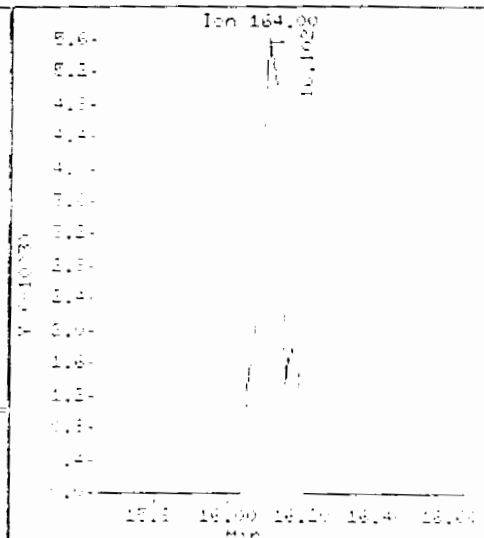
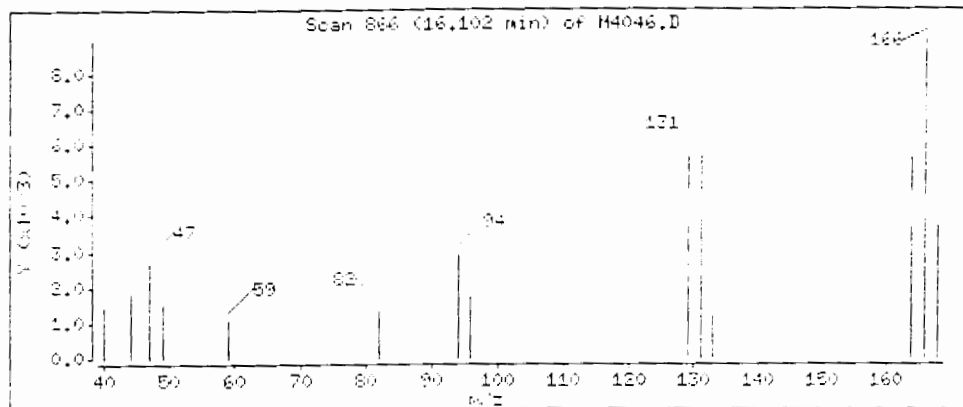
Operator: k.arnold

Column phase: DB-624

Column diameter: 0.53

73 Tetrachloroethene

Concentration: 2 ug/L



LABORATORY TEST RESULTS

Job Number: 203937

Date: 06/25/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Byatt

Customer Sample ID: MW-5
 Date Sampled: 06/18/2003
 Time Sampled: 11:45
 Sample Matrix: Water

Laboratory Sample ID: 203937-5
 Date Received: 06/18/2003
 Time Received: 17:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDI	RL	DILUTION	UNITS	BATCH	IDT	DATE/TIME	TECH
82608	Volatile Organics (5mL Purge)	ND	U	1	5	1.00000	ug/L	18695		06/24/03 0122	chm
	Chloromethane	ND	U	1	5	1.00000	ug/L	18695		06/24/03 0122	chm
	Vinyl chloride	ND	U	3	5	1.00000	ug/L	18695		06/24/03 0122	chm
	Bromomethane	ND	U	0.8	5	1.00000	ug/L	18695		06/24/03 0122	chm
	Chloroethane	ND	U	0.8	5	1.00000	ug/L	18695		06/24/03 0122	chm
	1,1-Dichloroethane	ND	U	0.6	5	1.00000	ug/L	18695		06/24/03 0122	chm
	Carbon disulfide	ND	U	2	10	1.00000	ug/L	18695		06/24/03 0122	chm
	Acetone	ND	U	0.4	5	1.00000	ug/L	18695		06/24/03 0122	chm
	Methylene chloride	ND	U	0.6	5	1.00000	ug/L	18695		06/24/03 0122	chm
	trans-1,2-Dichloroethene	ND	U	0.6	5	1.00000	ug/L	18695		06/24/03 0122	chm
	1,1-Dichloroethane	ND	U	0.6	5	1.00000	ug/L	18695		06/24/03 0122	chm
	Vinyl acetate	ND	U	2	5	1.00000	ug/L	18695		06/24/03 0122	chm
	cis-1,2-Dichloroethene	ND	U	0.6	5	1.00000	ug/L	18695		06/24/03 0122	chm
	2-Butanone (MEK)	ND	U	1	10	1.00000	ug/L	18695		06/24/03 0122	chm
	Chloroform	ND	U	0.4	5	1.00000	ug/L	18695		06/24/03 0122	chm
	1,1,1-Trichloroethane	ND	U	0.4	5	1.00000	ug/L	18695		06/24/03 0122	chm
	Carbon tetrachloride	ND	U	0.3	5	1.00000	ug/L	18695		06/24/03 0122	chm
	Benzene	ND	U	0.4	5	1.00000	ug/L	18695		06/24/03 0122	chm
	1,2-Dichloroethane	ND	U	0.3	5	1.00000	ug/L	18695		06/24/03 0122	chm
	Trichloroethene	ND	U	0.7	5	1.00000	ug/L	18695		06/24/03 0122	chm
	1,2-Dichloropropane	ND	U	0.6	5	1.00000	ug/L	18695		06/24/03 0122	chm
	Bromodichloromethane	ND	U	0.6	5	1.00000	ug/L	18695		06/24/03 0122	chm
	cis-1,3-Dichloropropene	ND	U	0.5	5	1.00000	ug/L	18695		06/24/03 0122	chm
	4-Methyl-2-pentanone (MIBK)	ND	U	0.3	10	1.00000	ug/L	18695		06/24/03 0122	chm
	Toluene	ND	U	0.3	5	1.00000	ug/L	18695		06/24/03 0122	chm
	trans-1,3-Dichloropropene	ND	U	0.3	5	1.00000	ug/L	18695		06/24/03 0122	chm
	1,1,2-Trichloroethane	ND	U	0.8	5	1.00000	ug/L	18695		06/24/03 0122	chm
	Tetrachloroethene	ND	U	0.3	5	1.00000	ug/L	18695		06/24/03 0122	chm
	2-Hexanone	ND	U	1	10	1.00000	ug/L	18695		06/24/03 0122	chm

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Date: 06/25/2003

Job Number: 203937

ATTN: Stephen Byatt

PROJECT: 218 LAKEVILLE ROAD A

STOMER: Walden Associates

Laboratory Sample ID: 203937-5
Date Received: 06/18/2003
Time Received: 17:10

Customer Sample ID: MW-5
Date Sampled: 06/18/2003
Time Sampled: 11:45
Sample Matrix: Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.2	5	1.00000	ug/L	18695		06/24/03 0122	clmm
	Chlorobenzene	ND	U		0.2	5	1.00000	ug/L	18695		06/24/03 0122	clmm
	Ethylbenzene	ND	U		0.3	5	1.00000	ug/L	18695		06/24/03 0122	clmm
	Styrene	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0122	clmm
	Bromoform	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0122	clmm
	1,1,2,2-Tetrachloroethane	ND	U		0.7	5	1.00000	ug/L	18695		06/24/03 0122	clmm
	Xylenes (total)	ND	U		1	5	1.00000	ug/L	18695		06/24/03 0122	clmm

STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\\Files\\chem\\VOA\\msm.i\\M034038.b\\M4047.D
Lab Smp Id: 203937-5 Client Smp ID: MW-5
Inj Date : 24-JUN-2003 01:22 MS Autotune Date: 19-MAR-2003 13:25
Operator : k.arnold Inst ID: msm.i
Smp Info : 203937-5
Misc Info : : ;;; MW-5 ; 8260B ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\\Files\\chem\\VOA\\msm.i\\M034038.b\\M8260BFW.m
Meth Date : 23-Jun-2003 19:39 michael Quant Type: ISTD
Cal Date : 23-JUN-2003 16:23 Cal File: M4036.L
Als bottle: 41
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.10

Compound Sublist: 8260BAP9.ssk

ka
6/24/03

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

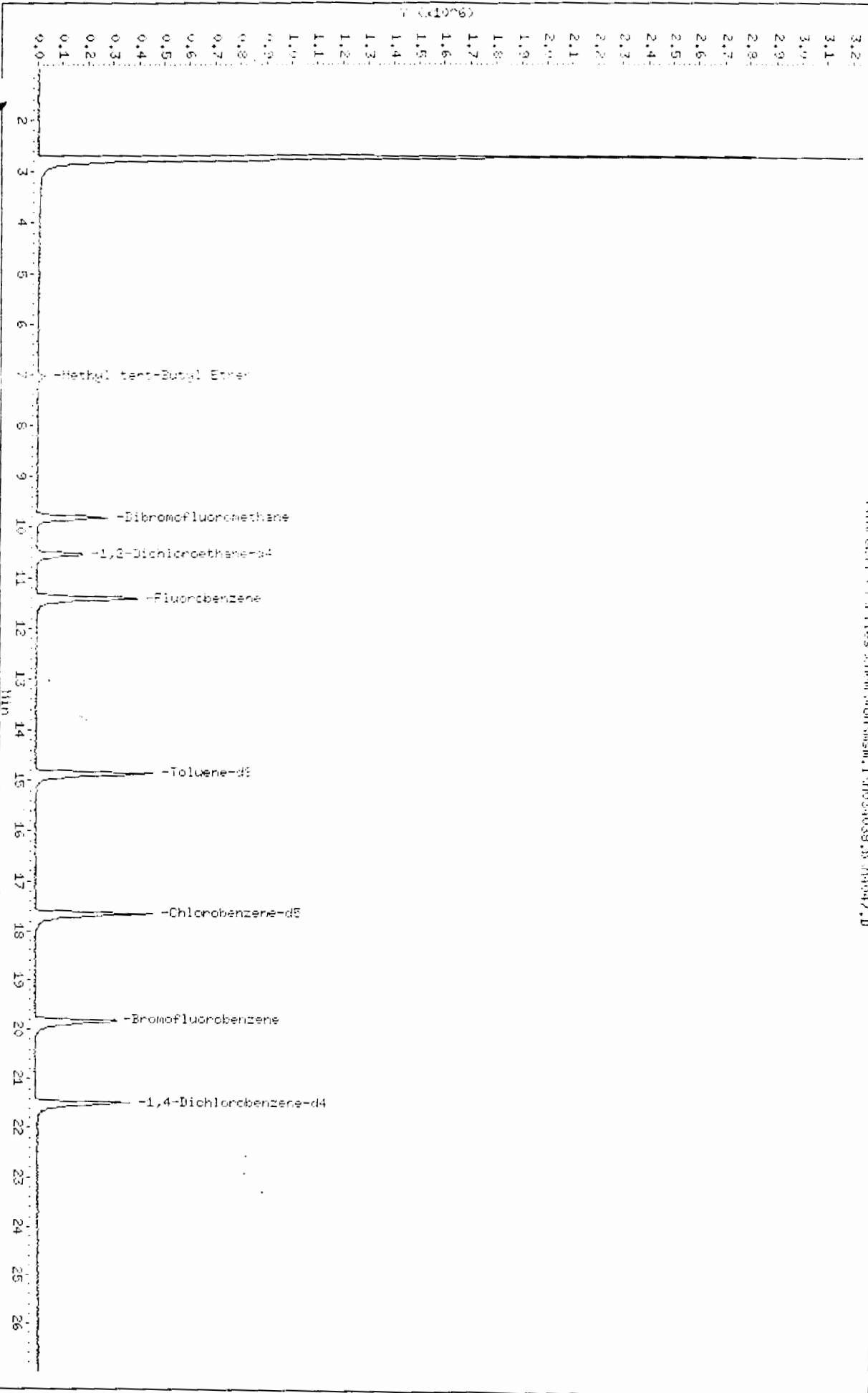
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS	
		MASS	RT	EXP RT	REL RT	RESPONSE	IN-COLUMN	FINAL
							ug/L	ug/L
* 1 Fluorobenzene	96		11.413	11.463	1.000	1137644	35.0000	
19 Methyl tert-Butyl Ether	73		7.033	7.093	0.617	73730	2.23706	1
\$ 36 Dibromofluoromethane	111		9.810	9.877	0.860	517197	22.7596	23
\$ 50 1,2-Dichloroethane-d4	65		10.542	10.592	0.924	358587	23.7637	24
* 68 Chlorobenzene-d5	117		17.651	17.701	1.000	697049	25.0000	
\$ 70 Toluene-d8	34		14.863	14.913	0.642	927261	20.5350	21
* 87 1,4-Dichlorobenzene-d4	152		21.454	21.501	1.000	365675	25.0000	
\$ 114 Bromofluorobenzene	95		19.810	19.844	0.922	472866	22.0940	22

Data File: N180611.D
Date: 24-JUL-2003 01:27
Client ID: HM-5
Sample Info: 203937-5
Purge Volume: 5.0
Column Phase: DB-624

Operator: J. Arnold
Column Offset: 0.53

N180611.D: 1.145 Volume: 20.000 mL, N180611.D: 1.145



LABORATORY TEST RESULTS

Job Number: 203937

Date: 06/25/2003

STOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Byatt

Customer Sample ID: MW-99(DUP)
Date Sampled.....: 06/17/2003
Time Sampled.....: 11:15
Sample Matrix.....: Water

Laboratory Sample ID: 203937-6
Date Received.....: 06/18/2003
Time Received.....: 17:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
82605	Volatile Organics (5mL Purge)	ND	U		1	5	1.00000	ug/L	18695		06/24/03 0155	clmm
	Chloromethane	ND	U		1	5	1.00000	ug/L	18695		06/24/03 0155	clmm
	Vinyl chloride	ND	U		3	5	1.00000	ug/L	18695		06/24/03 0155	clmm
	Bromomethane	ND	U		0.8	5	1.00000	ug/L	18695		06/24/03 0155	clmm
	Chloroethane	ND	U		0.8	5	1.00000	ug/L	18695		06/24/03 0155	clmm
	1,1-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0155	clmm
	Carbon disulfide	ND	U		2	10	1.00000	ug/L	18695		06/24/03 0155	clmm
	Acetone	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0155	clmm
	Methylene chloride	ND	U	B	0.6	5	1.00000	ug/L	18695		06/24/03 0155	clmm
	trans-1,2-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0155	clmm
	1,1-Dichloroethane	ND	U		2	5	1.00000	ug/L	18695		06/24/03 0155	clmm
	Vinyl acetate	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0155	clmm
	cis-1,2-Dichloroethene	ND	U		1	10	1.00000	ug/L	18695		06/24/03 0155	clmm
	2-Butanone (MEK)	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0155	clmm
	Chloroform	ND	U		0.3	5	1.00000	ug/L	18695		06/24/03 0155	clmm
	1,1,1-Trichloroethane	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0155	clmm
	Carbon tetrachloride	ND	U		0.3	5	1.00000	ug/L	18695		06/24/03 0155	clmm
	Benzene	ND	U		0.3	5	1.00000	ug/L	18695		06/24/03 0155	clmm
	1,2-Dichloroethane	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0155	clmm
	Trichloroethene	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0155	clmm
	1,2-Dichloropropane	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0155	clmm
	Bromodichloromethane	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0155	clmm
	cis-1,3-Dichloropropene	ND	U		0.5	10	1.00000	ug/L	18695		06/24/03 0155	clmm
	4-Methyl-2-pentanone (MIBK)	ND	U		0.5	5	1.00000	ug/L	18695		06/24/03 0155	clmm
	Toluene	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0155	clmm
	trans-1,3-Dichloropropene	ND	U		0.8	5	1.00000	ug/L	18695		06/24/03 0155	clmm
	1,1,2-Trichloroethane	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0155	clmm
	Tetrachloroethene	ND	U		1	10	1.00000	ug/L	18695		06/24/03 0155	clmm
	2-Hexanone	ND	U		1	10	1.00000	ug/L	18695		06/24/03 0155	clmm

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 203937

Date: 06/25/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Byatt

Customer Sample ID: MW-99(DUP)
Date Sampled.....: 06/17/2003
Time Sampled.....: 11:15
Sample Matrix.....: Water

Laboratory Sample ID: 203937-6
Date Received.....: 06/18/2003
Time Received.....: 17:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.2	5	1.00000	ug/L	18695		06/24/03 0155	dmm
	Chlorobenzene	ND	U		0.2	5	1.00000	ug/L	18695		06/24/03 0155	dmm
	Ethylbenzene	ND	U		0.3	5	1.00000	ug/L	18695		06/24/03 0155	dmm
	Styrene	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0155	dmm
	Bromoform	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0155	dmm
	1,1,2,2-Tetrachloroethane	ND	U		0.7	5	1.00000	ug/L	18695		06/24/03 0155	dmm
	Xylenes (total)	ND	U		1	5	1.00000	ug/L	18695		06/24/03 0155	dmm

* In Description = Dry Wgt.

STL-CT

Volatile Report SW-846 Method 8260E

Data file : \\TARGET1_CT\Files\chem\VOA\msm.i\M034038.b\M4048.D
Lab Smp Id: 203937-6 Client Smp ID: MW-99(DUP)
Inj Date : 24-JUN-2003 01:55 MS Autotune Date: 19-MAR-2003 13:25
Operator : k.arnold Inst ID: msm.i
Smp Info : 203937-6
Misc Info : : ;;; MW-99 DUP ; 8260E ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\Files\chem\VOA\msm.i\M034038.b\M4048.D
Meth Date : 23-Jun-2003 19:38 michael Quant Type: 1ST
Cal Date : 23-JUN-2003 16:23 Cal File: M4038.D
Als bottle: 42
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.10
Compound Sublist: 8260EAPP.scr

Ka
6/24/03

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

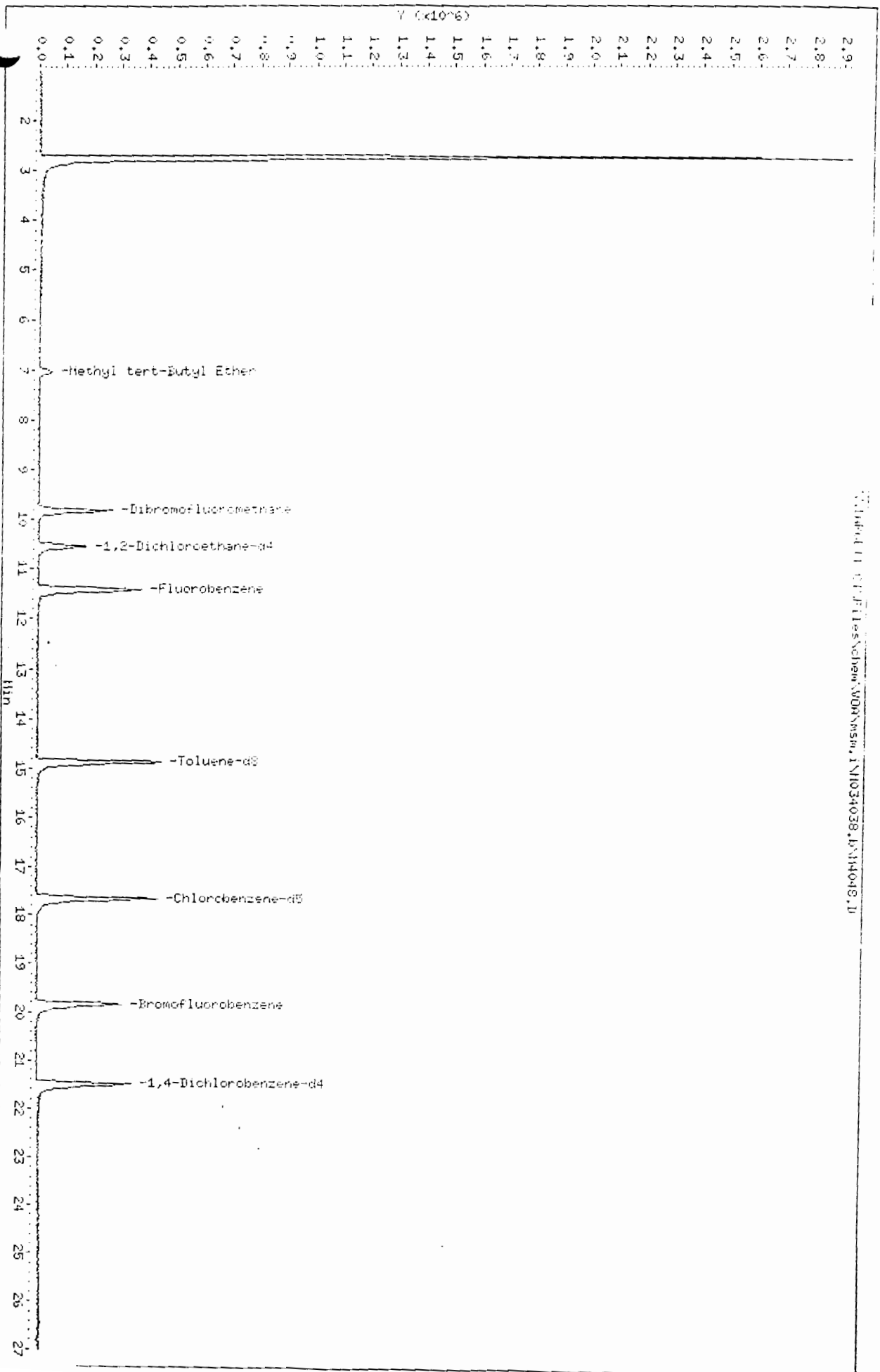
Compounds	QUANT SIG					CONCENTRATIONS	
		MASS	RT	END RT	REL RT	RESPONSE	ON-COLUMN
							FINAL
							1g L
							1g L
* 1 Fluorobenzene	96	11.415	11.463	1.000	1092416	21.0000	
19 Methyl tert-Butyl Ether	71	7.042	7.150	1.017	123288	3.81766	4
S 36 Dibromofluoromethane	111	9.612	9.677	0.960	482064	23.2563	10
S 50 1,2-Dichloroethane-d4	63	10.594	10.532	1.024	334886	24.3309	24
* 66 Chlorobenzene-d5	117	17.683	17.701	1.000	630625	18.0000	
S 70 Toluene-d8	98	14.665	14.613	1.042	675798	20.9415	11
* 87 1,4-Dichlorobenzene-d4	152	21.496	21.500	1.000	346449	25.0000	
S 114 Bromofluorobenzene	95	19.831	19.844	1.023	455243	23.4509	22

Data File: C:\MSDCHEM\11034038.D
Date: 24-JUN-2003 09:00
Client ID: 111-99(100)
Sample Info: 20397-6
Purge Volume: 5.0
Column phase: DB-624

Injection: 10.00
Injection Volume: 1.0
Injection Concentration: 1.0

Injection: 10.00
Injection Volume: 1.0
Injection Concentration: 1.0

MSDCHEM\11034038.D\11034038.D



Job Number: 203937

LABORATORY TEST RESULTS

Date: 06/25/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Byatt

Customer Sample ID: TB-1

Laboratory Sample ID: 203937-7

Date Sampled.....: 06/17/2003

Date Received.....: 06/18/2003

Time Sampled.....: 00:00

Time Received.....: 17:10

Sample Matrix.....: Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
82608	Volatile Organics (5mL Purge)											
	Chloromethane	ND	U		1	5	1.00000	ug/L	18695		06/23/03 2342	chm
	Vinyl chloride	ND	U		1	5	1.00000	ug/L	18695		06/23/03 2342	chm
	Bromomethane	ND	U		3	5	1.00000	ug/L	18695		06/23/03 2342	chm
	Chloroethane	ND	U		0.8	5	1.00000	ug/L	18695		06/23/03 2342	chm
	1,1-Dichloroethene	ND	U		0.8	5	1.00000	ug/L	18695		06/23/03 2342	chm
	Carbon disulfide	ND	U		0.6	5	1.00000	ug/L	18695		06/23/03 2342	chm
	Acetone	ND	U		2	10	1.00000	ug/L	18695		06/23/03 2342	chm
	Methylene chloride	0.9	U	B	0.4	5	1.00000	ug/L	18695		06/23/03 2342	chm
	trans-1,2-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	18695		06/23/03 2342	chm
	1,1-Dichloroethane	ND	U		0.6	5	1.00000	ug/L	18695		06/23/03 2342	chm
	Vinyl acetate	ND	U		2	5	1.00000	ug/L	18695		06/23/03 2342	chm
	cis-1,2-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	18695		06/23/03 2342	chm
	2-Butanone (MEK)	ND	U		1	10	1.00000	ug/L	18695		06/23/03 2342	chm
	Chloroform	ND	U		0.4	5	1.00000	ug/L	18695		06/23/03 2342	chm
	1,1,1-Trichloroethane	ND	U		0.4	5	1.00000	ug/L	18695		06/23/03 2342	chm
	Carbon tetrachloride	ND	U		0.3	5	1.00000	ug/L	18695		06/23/03 2342	chm
	Benzene	ND	U		0.4	5	1.00000	ug/L	18695		06/23/03 2342	chm
	1,2-Dichloroethane	ND	U		0.3	5	1.00000	ug/L	18695		06/23/03 2342	chm
	Trichloroethene	ND	U		0.7	5	1.00000	ug/L	18695		06/23/03 2342	chm
	1,2-Dichloropropane	ND	U		0.6	5	1.00000	ug/L	18695		06/23/03 2342	chm
	Bromodichloromethane	ND	U		0.6	5	1.00000	ug/L	18695		06/23/03 2342	chm
	cis-1,3-Dichloropropene	ND	U		0.5	10	1.00000	ug/L	18695		06/23/03 2342	chm
	4-Methyl-2-pentanone (MIBK)	ND	U		0.5	5	1.00000	ug/L	18695		06/23/03 2342	chm
	Toluene	ND	U		0.4	5	1.00000	ug/L	18695		06/23/03 2342	chm
	trans-1,3-Dichloropropene	ND	U		0.8	5	1.00000	ug/L	18695		06/23/03 2342	chm
	1,1,2-Trichloroethane	ND	U		0.6	5	1.00000	ug/L	18695		06/23/03 2342	chm
	Tetrachloroethene	ND	U		0.6	5	1.00000	ug/L	18695		06/23/03 2342	chm
	2-Hexanone	ND	U		1	10	1.00000	ug/L	18695		06/23/03 2342	chm

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 203937

Date: 06/25/2003

STONER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Byatt

Customer Sample ID: TB-1
 Date Sampled: 06/17/2003
 Time Sampled: 00:00
 Sample Matrix: Water

Laboratory Sample ID: 203937-7
 Date Received: 06/18/2003
 Time Received: 17:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.2	5	1.00000	ug/L	18695		06/23/03 2342	clmm
	Chlorobenzene	ND	U		0.2	5	1.00000	ug/L	18695		06/23/03 2342	clmm
	Ethylbenzene	ND	U		0.3	5	1.00000	ug/L	18695		06/23/03 2342	clmm
	Styrene	ND	U		0.4	5	1.00000	ug/L	18695		06/23/03 2342	clmm
	Bromoform	ND	U		0.4	5	1.00000	ug/L	18695		06/23/03 2342	clmm
	1,1,2,2-Tetrachloroethane	ND	U		0.7	5	1.00000	ug/L	18695		06/23/03 2342	clmm
	Xylenes (total)	ND	U		1	5	1.00000	ug/L	18695		06/23/03 2342	clmm

* In Description = Dry Wgt.

STL-CT

Volatile Report SW-846 Method 8260B
 Data file : \\TARGET1_CT\Files\chem\VOA\msm.i\M034038.b\M4044.D
 Lab Smp Id: 203937-7 Client Smp ID: TB-1
 Inj Date : 23-JUN-2003 23:42 MS Autotune Date: 19-MAR-2003 13:25
 Operator : k.arnold Inst ID: msm.i
 Smp Info : 203937-7
 Misc Info : : ;;; TB-1 ; 8260B ; 1 ; LLW
 Comment :
 Method : \\TARGET1_CT\Files\chem\VOA\msm.i\M034038.b\M4044.D
 Meth Date : 23-Jun-2003 19:38 michael Quant Type: ISTD
 Cal Date : 23-JUN-2003 16:23 Cal File: M4038.D
 Als bottle: 38
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.10
 Compound Sublist: 8260BAP9.sul

ka
6/24/03

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

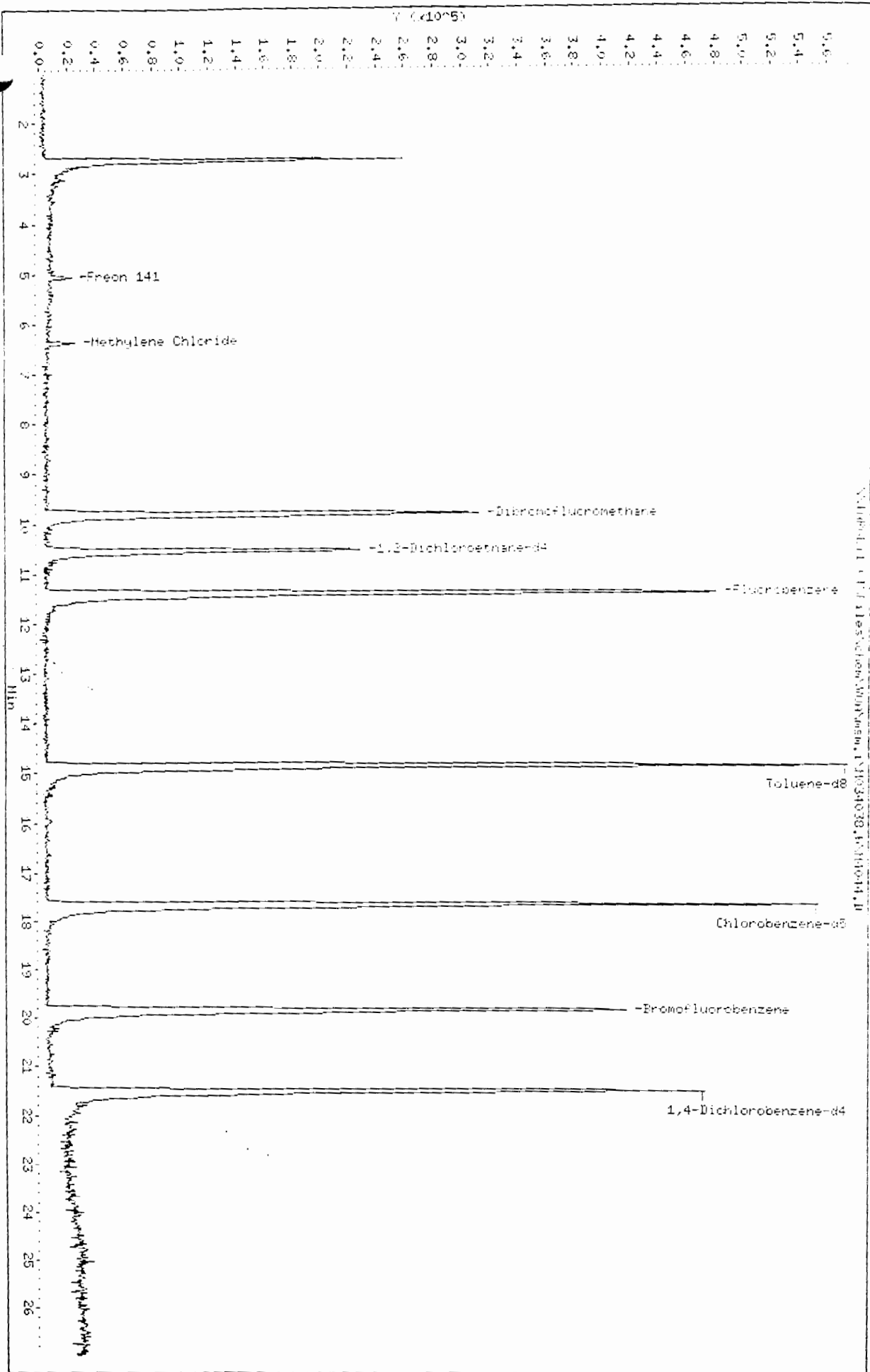
Compounds	QUANT SIG						CONCENTRATIONS	
		RT	EXP RT	REL RT	RESPONSE		ON-CHLORD	FINAL
	MASS					ug/L	ug/L	
=====								
* 1 Fluorobenzene	96	11.398	11.463	1.0000	1503401	25.0000		
9 Freon 141	91	8.055	8.086	0.9430	23383	0.63810		1.0
16 Methylene Chloride	84	6.377	6.427	0.9600	14408	1.88740		1.0
S 36 Dibromofluoromethane	111	9.809	9.877	0.9600	629154	11.7120		20
S 50 1,2-Dichloroethane-d4	65	10.541	10.592	0.9915	298815	11.0544		21
* 68 Chlorobenzene-d5	117	17.650	17.701	1.0000	1156115	25.0000		
S 70 Toluene-d8	95	14.862	14.913	0.9642	1183999	20.3453		20
* 87 1,4-Dichlorobenzene-d4	103	21.484	21.500	1.0000	805798	25.0000		
S 114 Bromofluorobenzene	95	19.826	19.844	0.9230	567682	19.1760		19

Data File: C:\MSDCHEM\DATA\01-11-01
Date: 23-JUL-2004 13:40
Client ID: 18-1

Sample Info: 203937-7
Purge Volume: 5.0
Column Phase: 18-124

Instrument: 1070-1
Operator: K. Arnold
Column diameter: 0.53

Page 3



Date : 23-JUN-2003 23:42

Client ID: TB-1

Instrument: mm.1

Sample Info: 203937-7

Purge Volume: 5.0

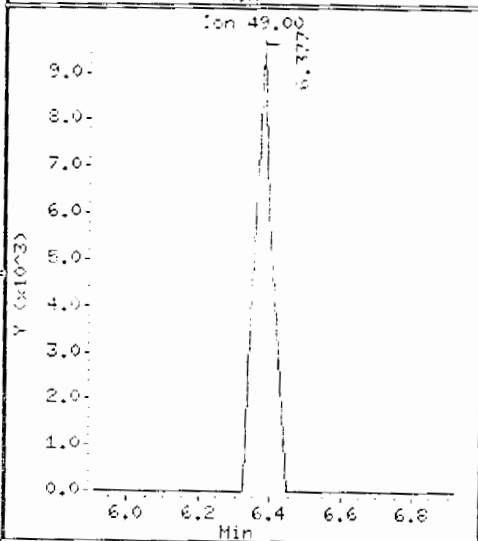
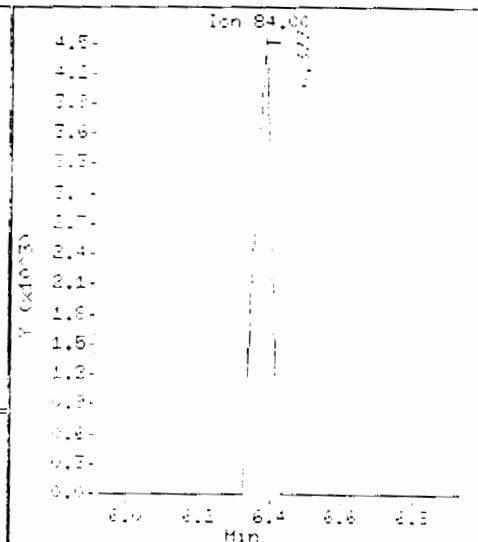
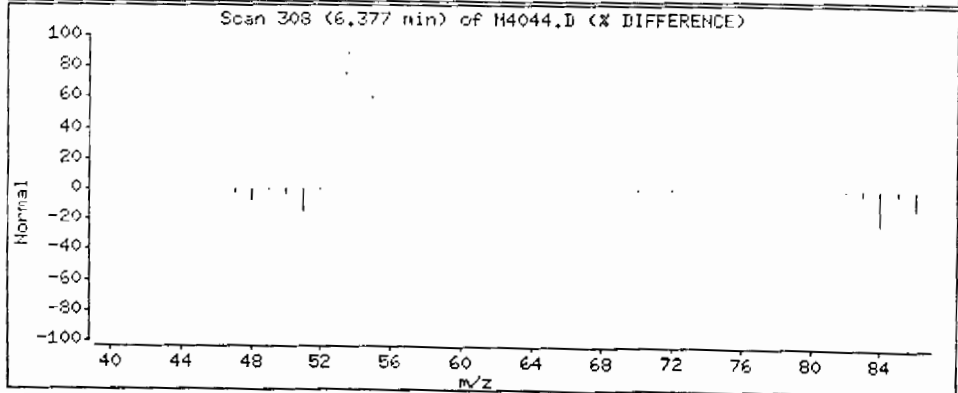
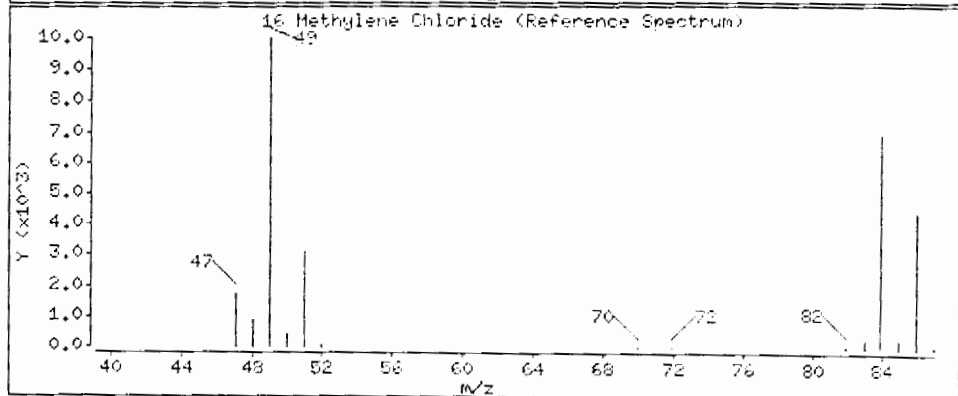
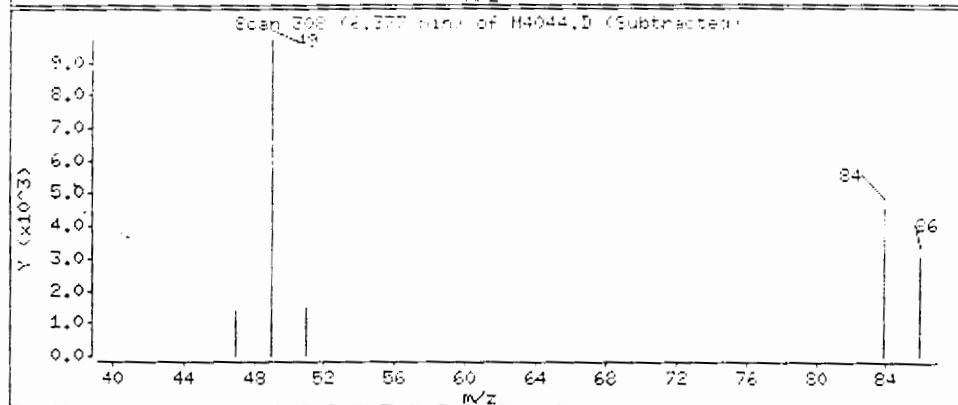
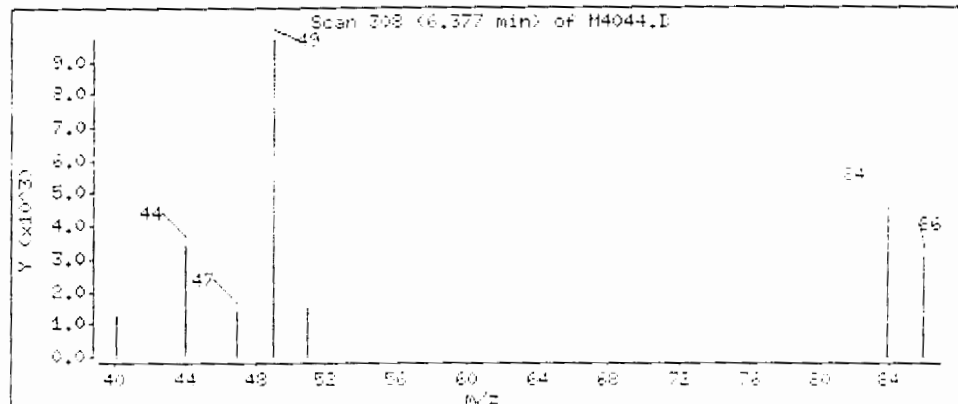
Operator: k.arnold

Column phase: DB-624

Column diameter: 0.53

16 Methylene Chloride

Concentration: 0.9 ug/L



LABORATORY TEST RESULTS

Job Number: 203937

Date: 06/25/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Byatt

Customer Sample ID: FB-1
Date Sampled: 06/17/2003
Time Sampled: 11:50
Sample Matrix: Water

Laboratory Sample ID: 203937-B
Date Received: 06/18/2003
Time Received: 17:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
82608	Volatiles Organics (5mL Purge)											
	Chloromethane	ND	U		1	5	1.00000	ug/L	18695		06/24/03 0015	chm
	Vinyl chloride	ND	U		1	5	1.00000	ug/L	18695		06/24/03 0015	chm
	Bromomethane	ND	U		3	5	1.00000	ug/L	18695		06/24/03 0015	chm
	Chloroethane	ND	U		0.8	5	1.00000	ug/L	18695		06/24/03 0015	chm
	1,1-Dichloroethane	ND	U		0.8	5	1.00000	ug/L	18695		06/24/03 0015	chm
	Carbon disulfide	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0015	chm
	Acetone	ND	U		2	10	1.00000	ug/L	18695		06/24/03 0015	chm
	Methylene chloride	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0015	chm
	trans-1,2-Dichloroethene	ND	U	B	0.6	5	1.00000	ug/L	18695		06/24/03 0015	chm
	1,1-Dichloroethane	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0015	chm
	Vinyl acetate	ND	U		2	5	1.00000	ug/L	18695		06/24/03 0015	chm
	cis-1,2-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0015	chm
	2-Butanone (MEK)	ND	U		1	10	1.00000	ug/L	18695		06/24/03 0015	chm
	Chloroform	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0015	chm
	1,1,1-Trichloroethane	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0015	chm
	Carbon tetrachloride	ND	U		0.3	5	1.00000	ug/L	18695		06/24/03 0015	chm
	Benzene	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0015	chm
	1,2-Dichloroethane	ND	U		0.3	5	1.00000	ug/L	18695		06/24/03 0015	chm
	Trichloroethene	ND	U		0.7	5	1.00000	ug/L	18695		06/24/03 0015	chm
	1,2-Dichloropropane	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0015	chm
	Bromodichloromethane	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0015	chm
	cis-1,3-Dichloropropene	ND	U		0.6	5	1.00000	ug/L	18695		06/24/03 0015	chm
	4-Methyl-2-pentanone (MIBK)	ND	U		0.5	5	1.00000	ug/L	18695		06/24/03 0015	chm
	Toluene	ND	U		0.5	10	1.00000	ug/L	18695		06/24/03 0015	chm
	trans-1,3-Dichloropropene	ND	U		0.5	5	1.00000	ug/L	18695		06/24/03 0015	chm
	1,1,2-Trichloroethane	ND	U		0.5	5	1.00000	ug/L	18695		06/24/03 0015	chm
	Tetrachloroethene	ND	U		0.8	5	1.00000	ug/L	18695		06/24/03 0015	chm
	2-Hexanone	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0015	chm
		ND	U		1	10	1.00000	ug/L	18695		06/24/03 0015	chm

* In Description = Dry Wgt.

Job Number: 203937

LABORATORY TEST RESULTS

Date: 06/25/2003

JSOTMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Byatt

Customer Sample ID: FB-1
 Date Sampled.....: 06/17/2003
 Time Sampled.....: 11:50
 Sample Matrix.....: Water

Laboratory Sample ID: 203937-8
 Date Received.....: 06/18/2003
 Time Received.....: 17:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	D	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.2	5	1.00000	ug/L	18695		06/24/03 0015	clmm
	Chlorobenzene	ND	U		0.2	5	1.00000	ug/L	18695		06/24/03 0015	clmm
	Ethylbenzene	ND	U		0.3	5	1.00000	ug/L	18695		06/24/03 0015	clmm
	Styrene	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0015	clmm
	Bromoform	ND	U		0.4	5	1.00000	ug/L	18695		06/24/03 0015	clmm
	1,1,2,2-Tetrachloroethane	ND	U		0.7	5	1.00000	ug/L	18695		06/24/03 0015	clmm
	Xylenes (total)	ND	U		1	5	1.00000	ug/L	18695		06/24/03 0015	clmm

* In Description = Dry Wgt.

Data File: C:\MSDCHEM\11034038.D

Date: 24-Mar-2003 09:15

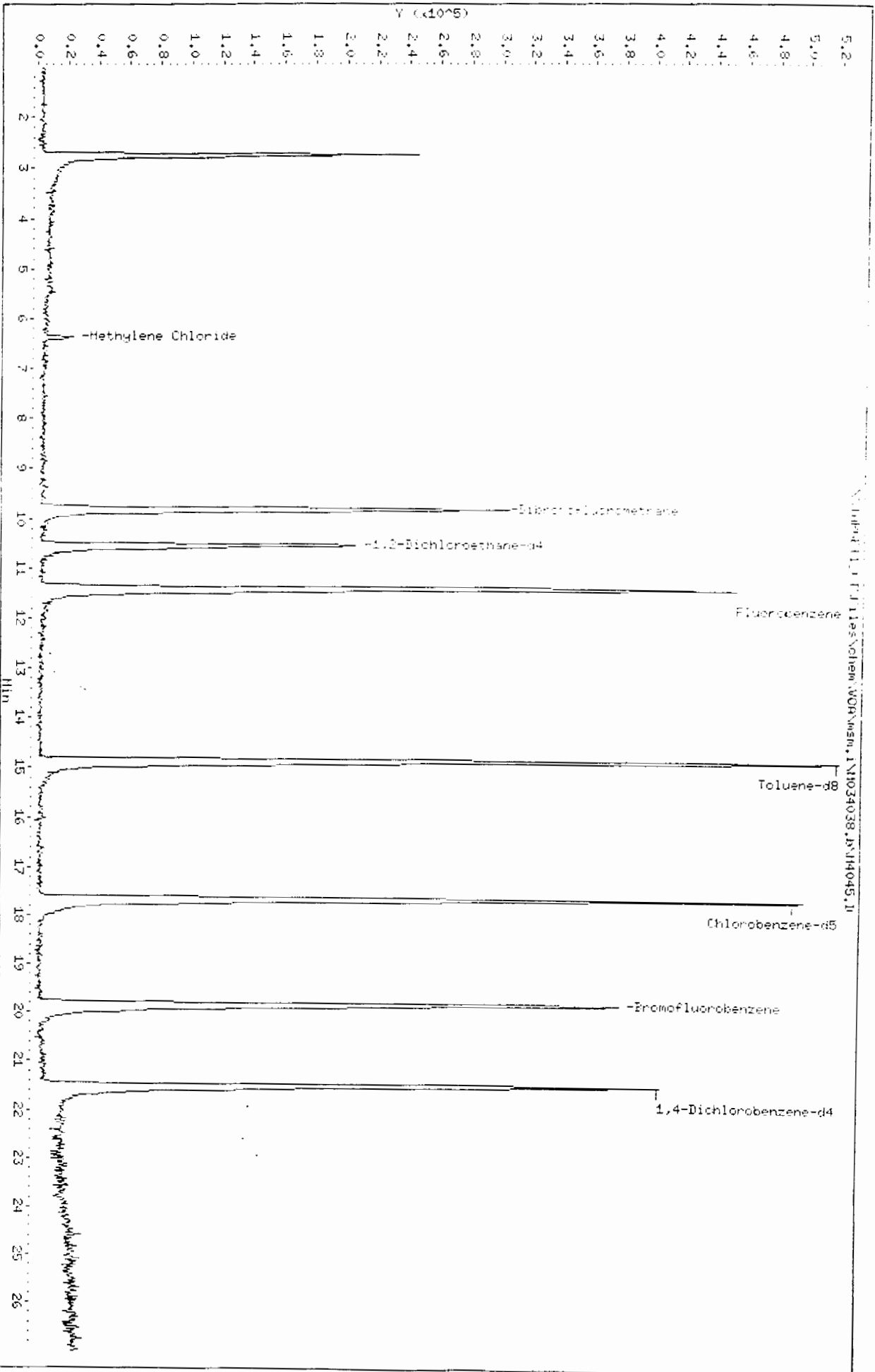
Client ID: PB-1

Sample Info: 203937-8

Purge Volume: 5.0

Column Pressure: 118.624

Instrument: 6790.1
Operator: K. Arnold
Column diameter: 0.53



6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-CT

Contract:

Lab Code: STLCT

Case No.: 203937 SAS No.:

SDG No.: 203937

Instrument ID: MSM

Calibration Date(s): 06/23/03 06/23/03

Heated Purge: (Y/N) N

Calibration Times: 1814 1823

GC Column: DB-624 ID: 0.53 (mm)

LAB FILE ID:	RRF5 =M4033	RRF20 =M4034	RRF50 =M4035	RRF100 =M4036	RRF200 =M4037		
RRF50 =M4029	RRF100=M4035	RRF200=M4036					
COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	%RSD	
Dichlorodifluoromethane	0.305	0.304	0.306	0.302	0.284	0.211	2.1
Chloromethane	* 0.232	0.218	0.227	0.218	0.222	0.223	2.1
Vinyl Chloride	0.226	0.224	0.236	0.242	0.242	0.235	3.3
Bromomethane	0.195	0.187	0.144	0.127	0.114	0.154	10.3
Chloroethane	0.149	0.157	0.163	0.124	0.135	0.133	23.1
Trichlorofluoromethane	0.450	0.470	0.477	0.470	0.434	0.467	5.0
Ethyl Ether	0.253	0.213	0.233	0.217	0.193	0.213	8.0
Freon 141	0.601	0.604	0.593	0.596	0.571	0.587	1.7
Freon 123a	0.100	0.101	0.121	0.098	0.093	0.111	10.1
Trichlorotrifluoroethane	0.394	0.432	0.431	0.371	0.378	0.411	10.1
Acrolein	* 0.015	0.013	0.017	0.012	0.012	0.014	14.7
1,1-Dichloroethene	0.212	0.218	0.234	0.202	0.211	0.215	10.6
Acetone	0.084	0.075	0.073	0.063	0.064	0.072	13.3
Iodomethane	0.362	0.449	0.481	0.452	0.501	0.443	11.0
Carbon Disulfide	0.552	0.628	0.582	0.631	0.636	0.602	6.0
3-Chloro-1-Propene	0.558	0.500	0.453	0.549	0.574	0.527	9.0
tert-Butyl alcohol	* 0.018	0.018	0.015	0.021	0.020	0.018	11.9
Methylene Chloride	0.320	0.280	0.229	0.262	0.258	0.270	12.4
Methyl tert-Butyl Ether	0.803	0.771	0.618	0.749	0.735	0.735	8.3
Ethyl Acetate	0.027	0.032	0.030	0.030	0.028	0.029	8.0
trans-1,2-Dichloroethene	0.307	0.296	0.268	0.274	0.272	0.281	3.9
Acrylonitrile	0.037	0.057	0.043	0.060	0.060	0.052	13.7
1,1-Dichloroethane	* 0.619	0.679	0.541	0.622	0.595	0.611	3.7
2,2-Dichloropropane	0.462	0.492	0.420	0.457	0.409	0.448	1.8
cis-1,2-Dichloroethene	0.334	0.340	0.304	0.282	0.282	0.303	3.9
2-Butanone	0.110	0.124	0.094	0.125	0.113	0.113	11.1
Methyl Acrylate	0.202	0.240	0.203	0.255	0.266	0.233	12.6
Propionitrile	0.015	0.020	0.017	0.022	0.022	0.019	15.8
Bromochloromethane	0.193	0.198	0.174	0.167	0.164	0.179	6.6
2-Methyl-2-Propenenitrile	0.112	0.136	0.112	0.143	0.140	0.129	11.9
Tetrahydrofuran	0.062	0.074	0.062	0.075	0.074	0.069	9.9
Chloroform	0.617	0.611	0.525	0.551	0.528	0.566	7.9
1,1,1-Trichloroethane	0.531	0.526	0.464	0.486	0.459	0.493	6.9
1-Chlorobutane	1.238	1.256	1.079	1.138	1.040	1.150	8.3
Carbon Tetrachloride	0.474	0.488	0.409	0.416	0.392	0.436	9.7
Chloroacetonitrile	* 0.005	0.008	0.008	0.010	0.010	0.008	27.7*
1,1-Dichloropropene	0.416	0.464	0.405	0.409	0.380	0.415	7.4

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

62

Contract:

SDG No. : 203937

06-03-13

1523

ID: 0.53 (mm)

RRF FILE ID:	RRF5 =M4033	RRF20 =M4034
RRF50 =M4029	RRF100=M4035	RRF200=M4036

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\Files\chem\VOA\msm.i\M034028.b\M4029.D
Lab Smp Id: VSTD050MA Client Smp ID: VSTD050MA
Inj Date : 23-JUN-2003 10:14 MS Autotune Date: 19-MAR-2003 13:25
Operator : M.Crowe Inst ID: msm.i
Smp Info : VSTD050MA
Misc Info : : ;;; VSTD050MA ; 8260B ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\Files\chem\VOA\msm.i\M034028.b\M8260BFW.m
Meth Date : 23-Jun-2003 10:38 michael Quant Type: ISTD
Cal Date : 20-JUN-2003 17:46 Cal File: M4027.D
Als bottle: 31 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260BAP9.sub
Target Version: 4.10
Processing Host: CONMSONT

Concentration Formula: Amt * DF * Uf * 1/Vc

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vc	5.000	Sample Volume (mL)
Cpnd Variable		Local Compound Variable

All spectra and method parameters for this sample
Date 6/23/03
Date 6/23/03

Compounds	QUANT SIG				AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT
						ug/L
1 Fluorobenzene	96	11.514	11.514 (1.000)		1745729	15.0000
2 Dichlorodifluoromethane	85	3.063	3.063 (0.266)		1073755	50.0000
3 Chloromethane	50	3.359	3.359 (0.292)		794171	50.0000
4 Vinyl Chloride	62	3.516	3.516 (0.305)		830576	50.0000
5 Bromomethane	94	4.004	4.004 (0.348)		504378	50.0000
6 Chloroethane	64	4.196	4.196 (0.364)		559246	50.0000
7 Trichlorofluoromethane	101	4.684	4.684 (0.407)		1666812	50.0000
8 Ethyl Ether	45	5.206	5.206 (0.452)		812839	50.0000
9 Freon 141	81	5.137	5.137 (0.446)		2072102	50.0000
10 Freon 123a	67	5.276	5.276 (0.458)		421659	50.0000
11 Trichlorotrifluoroethane	101	5.619	5.619 (0.492)		1500645	50.0000
12 1,1-Dichloroethene	96	5.607	5.607 (0.487)		818314	50.0000
13 Carbon Disulfide	76	6.025	6.025 (0.523)		1963955	50.0000
14 Iodomethane	142	5.668	5.668 (0.510)		1678497	50.0000
15 3-Chloro-1-Propene	41	6.269	6.269 (0.544)		1582999	50.0000
16 Methylene Chloride	84	6.461	6.461 (0.561)		799906	50.0000
17 Acetone	43	5.659	5.659 (0.492)		254592	50.0000
18 trans-1,2-Dichloroethene	96	7.053	7.053 (0.613)		936900	50.0000
19 Methyl tert-Butyl Ether	73	7.123	7.123 (0.619)		2156283	50.0000
20 Acrolein	56	5.363	5.363 (0.466)		294276	250.000
21 tert-Butyl alcohol	59	6.757	6.757 (0.587)		260674	250.000
22 Methyl Acetate	43	7.140	7.140 (0.620)		540358	50.0000

Compounds	QUANT SIG						AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT	ON-COL
							(ug/L)	ug/L
23 Acetonitrile	41	7.113	7.113	0.613	619330		500.000	380
26 Acrylonitrile	53	8.879	8.879	(0.897)	318904		100.000	77
27 2-Chloro-1,3-Butadiene	55	8.064	8.064	(0.700)	789531		50.0000	45
28 1,1-Dichloroethane	63	7.887	7.887	(0.681)	1890590		50.0000	41
29 Vinyl Acetate	43	7.977	7.977	0.693	2047330		50.0000	41
30 cis-1,2-Dichloroethene	96	8.970	8.970	(0.773)	1061060		50.0000	48
31 2,2-Dichloropropane	77	9.008	9.008	(0.782)	1488279		50.0000	47
32 Bromochloromethane	119	9.406	9.406	(0.817)	607324		50.0000	49
33 Chloroform	83	9.597	9.597	0.834	1834619		50.0000	51
34 Ethyl Acetate	43	9.004	9.004	0.484	307218		100.000	71
35 Methyl Acrylate	53	9.049	9.049	(0.803)	710373		50.0000	41
36 Dibromofluoromethane	111	9.911	9.911	(0.861)	718386		25.0000	21
37 Tetrahydrofuran	41	9.597	9.597	(0.834)	434377		100.000	44
38 1,1,1-Trichloroethane	87	10.050	10.050	(0.873)	1620663		50.0000	47
39 Carbon Tetrachloride	117	10.411	10.411	1.319	1428750		50.0000	41
40 2-Butanone	43	9.917	9.917	1.781	103746		50.0000	5
41 1,1-Dichloropropene	73	10.416	10.416	1.903	1418371		50.0000	4
42 Cyclohexane	84	10.040	10.040	1.330	1077747		50.0000	4
43 1-Chlorobutane	84	10.139	10.139	1.381	3764390		50.0000	47
45 Propionitrile	54	9.035	9.035	0.781	600701		500.000	410
47 Isobutyl Alcohol	41	10.242	10.242	(0.890)	593461		500.000	490
48 Benzene	78	10.669	10.669	(0.944)	3105071		50.0000	45
49 2-Methyl-2-Propenenitrile	41	9.353	9.353	(0.812)	390608		50.0000	40
50 1,2-Dichloroethane-64	48	10.643	10.643	(0.924)	410534		25.0000	18
51 1,2-Dichloroethane	62	10.817	10.817	(0.933)	1183934		50.0000	44
53 Methyl Cyclohexane	83	10.873	10.873	1.118	1229634		50.0000	54
56 Trichloroethene	131	12.385	12.385	(1.076)	1271136		50.0000	52
57 Dibromomethane	93	13.030	13.030	(1.132)	903273		50.0000	46
58 1,2-Dichloropropane	63	12.803	12.803	(1.112)	1396343		50.0000	47
59 Bromodichloromethane	81	13.378	13.378	(1.162)	1838107		50.0000	51
60 Methyl Methacrylate	59	13.134	13.134	(1.141)	1464670		100.000	57
61 1,4-Dioxane	58	13.152	13.152	(1.142)	300178		500.000	510
62 2-Chloroethylvinylether	63	14.058	14.058	(1.221)	533651		50.0000	47
63 cis-1,3-Dichloropropene	78	14.354	14.354	(1.247)	1907623		50.0000	53
64 2-Nitropropane	41	13.779	13.779	(1.197)	460412		100.000	56
65 Chloroacetonitrile	48	13.814	13.814	(1.200)	526908		2000.00	940
66 trans-1,3-Dichloropropene	75	15.434	15.434	(1.340)	1536912		50.0000	51
67 1,1,2-Trichloroethane	97	15.783	15.783	(1.371)	1003378		50.0000	51
* 68 Chlorobenzene-d5	117	17.717	17.717	(1.000)	1244131		25.0000	
69 Toluene	91	15.069	15.069	(0.851)	3338941		50.0000	48
70 Toluene-d8	99	14.947	14.947	(0.844)	1468811		25.0000	21
71 1,1-Dichloro-2-propanone	43	14.668	14.668	(0.828)	3605230		250.000	190
72 4-Methyl-2-Pentanone	55	14.685	14.685	(0.829)	323796		50.0000	41
73 Tetrachloroethene	164	16.166	16.166	(0.912)	924380		50.0000	49
74 Ethyl Methacrylate	69	15.696	15.696	(0.886)	1005666		50.0000	44
75 Dibromochloromethane	129	16.550	16.550	(0.934)	1562859		50.0000	46
76 1,3-Dichloropropane	76	16.097	16.097	(0.909)	1679099		50.0000	44
77 1,2-Dibromoethane	107	16.759	16.759	(0.946)	1362428		50.0000	44
78 2-Hexanone	43	16.323	16.323	(0.921)	657274		50.0000	43
79 1-Chlorohexane	91	17.769	17.769	(1.003)	1248554		50.0000	47
80 Chlorobenzene	112	17.787	17.787	(1.004)	2434471		50.0000	45
81 1,1,1,2-Tetrachloroethane	131	17.944	17.944	(1.013)	1138621		50.0000	46
82 Ethylbenzene	106	18.048	18.048	(1.019)	1324114		50.0000	44
83 Xylene (total)mp	106	18.292	18.292	(1.032)	3103566		100.000	55

Compounds	QUANT SIG MASS					AMOUNTS	
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL ug/L
84 Xylene (total)	106	19.024	19.024	(1.074)	1496169	50.0000	49
85 Styrene	104	19.041	19.041	1.075	2409949	50.0000	49
86 Bromoform	173	19.320	19.320	(1.090)	909375	50.0000	49
87 1,4-Dichlorobenzene-d4	152	21.516	21.516	(1.000)	571838	50.0000	
88 Isopropylbenzene	106	19.651	19.651	0.913	3480923	50.0000	49
89 1,1,2,2-Tetrachloroethane	63	20.035	20.035	0.931	1375150	50.0000	
90 Bromobenzene	186	20.104	20.104	0.954	1071520	50.0000	49
91 1,2,3-Trichloropropane	110	20.104	20.104	0.954	303570	50.0000	49
92 trans-1,4-Dichloro-2-Fluorene	83	20.109	20.109	0.954	500899	50.0000	
93 n-Propylbenzene	91	20.206	20.206	0.943	3570307	50.0000	49
94 2-Chlorotoluene	91	20.400	20.400	0.949	3090139	50.0000	49
95 4-Chlorotoluene	91	20.557	20.557	0.955	2547039	50.0000	49
96 1,3,5-Trimethylbenzene	106	20.540	20.540	(0.955)	2171995	50.0000	49
97 tert-Butylbenzene	118	21.010	21.010	(1.077)	2566702	50.0000	49
98 1,2,4-Trimethylbenzene	106	21.060	21.060	0.960	2443940	50.0000	49
99 sec-Butylbenzene	106	21.099	21.099	0.969	3045637	50.0000	49
100 4-Isopropyltoluene	109	21.480	21.480	1.008	2600197	50.0000	
101 1,3-Dichlorobenzene	146	21.409	21.409	0.990	1606069	50.0000	
102 1,4-Dichlorobenzene	146	21.550	21.550	1.002	1931914	50.0000	49
103 1,2-Dichlorobenzene	146	22.038	22.038	1.024	1702069	50.0000	49
104 Benzyl Chloride	106	21.707	21.707	(1.009)	405093	50.0000	49
105 n-Butylbenzene	91	22.021	22.021	(1.023)	3090323	50.0000	49
106 1,2-Dibromo-3-chloropropane	75	23.032	23.032	(1.070)	267039	50.0000	37
109 Nitrobenzene	77	23.310	23.310	(1.063)	268173	500.000	250
110 1,2,4-Trichlorobenzene	180	24.147	24.147	1.122	863164	50.0000	32
111 Hexachlorobutadiene	208	24.391	24.391	(1.134)	473494	50.0000	43
112 Naphthalene	128	24.493	24.493	1.138	1487130	50.0000	41
113 1,2,3-Trichlorobenzene	180	24.644	24.644	1.155	864142	50.0000	43
S 114 Bromofluorobenzene	95	19.660	19.660	(0.923)	723024	50.0000	20
M 115 1,2-Dichloroethene (total)	100				1997960	100.000	93
M 116 Xylene total	100				4599735	150.000	137

QC Flag Legend

M - Compound response manually integrated.

Instrument: 44101
Operator: H. C. Cragg
Column diameter: 0.53



Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AVT	ON-DEL
							USE 1	USE 2
23 Acetonitrile		41	7.088	7.088	(0.617)	64257	50.0000	55
26 Acrylonitrile		53	8.878	8.794	(0.999)	10157	10.0000	5
27 2-Chloro-1,3-Butadiene		55	8.046	7.979	(0.991)	57793	5.00000	1
28 1,1-Dichloroethane		63	7.802	7.783	(0.998)	149438	5.00000	1
29 Methyl Acetate		41	7.577	7.892	(1.056)	140973	5.00000	1
30 cis-1,3-Dichloropropene		96	8.935	8.885	(0.993)	31427	5.00000	1
31 1,2-Dichloropropane		77	8.587	8.920	(1.038)	104837	5.00000	1
32 Bromochloromethane		108	9.406	9.321	(0.989)	32181	5.00000	1
33 Chloroform		43	8.562	8.512	(0.983)	146094	5.00000	1
34 Ethyl Acetate		43	8.171	8.139	(0.984)	14980	5.00000	1
35 Methyl Acrylate		55	8.281	8.164	(0.984)	50353	5.00000	1
36 Dibromodifluoromethane		110	9.876	9.826	(0.986)	30983	5.00000	1
37 Tetrahydrofuran		42	8.597	8.530	(0.986)	31747	5.00000	1
38 1,1,1-Trichloroethane		97	9.599	9.548	(0.971)	148393	5.00000	1
39 Carbon Tetrachloride		117	10.416	10.366	(0.987)	109838	5.00000	1
40 2-Butanone		43	8.128	8.337	(1.026)	31136	5.00000	1
41 1,1-Dichloropropane		75	10.361	10.314	(0.997)	103642	5.00000	1
42 Cyclohexane		44	10.307	10.339	(1.003)	103642	5.00000	1
43 1-Chloropropane		51	10.207	10.174	(0.997)	103642	5.00000	1
44 Propionitrile		54	9.105	9.359	(1.028)	103642	5.00000	1
45 Isobutyl Alcohol		42	10.204	10.339	(1.013)	103642	5.00000	1
46 Benzene		78	10.834	10.767	(0.984)	103642	5.00000	1
48 1-Methyl-1-Propenenitrile		41	9.336	9.248	(0.989)	103642	5.00000	1
50 1,2-Dichloroethane-d4		68	10.830	10.888	(1.003)	49226	5.00000	1
51 1,2-Dichloroethane		60	10.782	10.714	(0.989)	103642	5.00000	1
55 Methyl Cyclohexane		63	10.838	10.805	(0.998)	103642	5.00000	1
56 Trichloroethene		100	10.380	10.330	(0.976)	103642	5.00000	1
57 Dibromomethane		93	10.112	10.062	(0.994)	103642	5.00000	1
58 1,3-Dichloropropane		63	10.781	10.718	(0.991)	103642	5.00000	1
59 Bromodichloromethane		63	10.343	10.328	(0.998)	143493	5.00000	1
60 Methyl Methacrylate		69	10.117	10.067	(0.994)	103642	5.00000	1
61 1,4-Dioxane		68	10.182	10.132	(0.984)	103642	5.00000	1
62 2-Chloroethylvinylether		63	14.058	14.008	(0.998)	16366	5.00000	1
63 cis-1,3-Dichloropropene		75	14.319	14.287	(1.002)	152371	5.00000	1
64 2-Nitropropane		41	13.779	13.729	(0.995)	42345	5.00000	1
65 Chloroacetonitrile		48	13.831	13.781	(0.998)	25729	100.000	65
66 trans-1,3-Dichloropropene		75	15.417	15.354	(0.993)	118463	5.00000	1
67 1,1,2-Trichloroethane		97	15.768	15.733	(0.973)	86795	5.00000	1
68 Chlorobenzene-d5		117	17.700	17.684	(1.000)	1092467	25.0000	1
69 Toluene		91	15.051	15.016	(0.999)	308468	5.00000	1
70 Toluene-d8		95	14.929	14.896	(0.998)	135213	5.00000	1
71 1,1-Dichloro-2-propanone		43	14.650	14.616	(0.993)	321916	25.0000	14
72 4-Methyl-2-Pentanone		58	14.668	14.635	(0.993)	10514	5.00000	1
73 Tetrachloroethene		164	16.149	16.134	(0.992)	103550	5.00000	1
74 Ethyl Methacrylate		69	15.713	15.663	(0.988)	68800	5.00000	1
75 Dibromochloromethane		129	16.515	16.499	(0.993)	134643	5.00000	1
76 1,3-Dichloropropane		75	16.079	16.064	(0.999)	162712	5.00000	1
77 1,2-Dibromoethane		167	16.741	16.709	(0.994)	123366	5.00000	1
78 2-Hexanone		43	16.393	16.273	(0.993)	26700	5.00000	1
79 1-Chlorohexane		91	17.734	17.719	(1.002)	113314	5.00000	1
80 Chlorobenzene		112	17.769	17.754	(1.004)	239944	5.00000	1
81 1,1,1,2-Tetrachloroethane		131	17.909	17.911	(1.012)	110105	5.00000	1
82 Ethylbenzene		106	18.013	18.015	(1.018)	133798	5.00000	1
83 Xylene (total)mp		106	18.275	18.259	(1.032)	233958	10.0000	10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT ug/L	DN-CAL ug/L
84 Xylene (total)	106	19.024	19.991	1.0478	163450	5.00000	5
86 Styrene	104	19.041	19.009	1.0076	106171	5.00000	5
88 Bromoform	173	19.088	19.087	1.0000	45181	1.00000	
89 1,4-Dichlorobenzene-d4	182	21.516	21.500	1.0000	513168	15.0000	
88 Isopropylbenzene	106	19.634	19.618	0.9981	352129	5.00000	5
89 1,1,1-Trichloroethane	85	20.134	20.119	0.9991	111128	5.0000	5
90 Bromobenzene	156	20.104	20.089	0.9994	107077	5.0000	
91 1,1,2-Trichloropropane	110	20.187	20.089	0.9994	34508	5.0000	5
90 trans-1,4-Dichloro-2-Butene	83	21.125	21.108	0.9988	40419		
91 n-Propylbenzene	91	21.078	21.043	0.9949	171773		
91 1-Chlorobenzene	91	21.083	21.048	0.9947	119411		
91 4-Chlorobenzene	91	21.841	21.841	0.998	303125		
96 1,2,3-Trimethylbenzene	106	21.840	21.825	0.998	181674	5.0000	
97 tert-Butylbenzene	106	21.993	21.978	0.9976	278879	5.0000	
98 1,2,4-Trimethylbenzene	108	21.163	21.147	0.9979	113119		
91 sec-Butylbenzene	106	21.048	21.174	1.0541	113117		
101 4-Isopropyltoluene	108	21.481	21.473	0.999	111116		
101 1,3-Dichlorobenzene	147	21.423	21.413	0.999	71111		
102 1,4-Dichlorobenzene	146	21.133	21.111	0.9991	111111		
103 1,2-Dichlorobenzene	146	21.021	21.023	1.0000	111111		
104 Benzyl Chloride	126	21.717	21.690	0.9971	141111		5 M
108 n-Butylbenzene	91	21.038	21.988	1.0004	111111	5.0000	5
108 1,2-Dibromo-1,1-dichloropropane	78	21.030	21.999	1.0771	111111	5.0000	5 M
109 Nitrobenzene	91	21.997	21.043	1.0009	9011	1.00000	15 M
110 1,2,4-Trichlorobenzene	180	24.181	24.181	1.0000	47311	5.0000	5
111 Hexachlorocyclopentadiene	225	24.373	24.358	1.0001	18178	5.00000	5
112 Naphthalene	128	24.635	24.462	1.0045	73008	5.00000	5 M
113 1,2,3-Trichlorobenzene	181	24.913	24.911	1.0000	73176	5.00000	5 M
S 114 Bromofluorobenzene	95	19.860	19.848	0.9993	78488	5.00000	5
X 115 1,2-Dichlorobenzene (total)	100				178339	11.0000	15
M 116 Xylene (total)	100				497410	15.0000	15

QC Flag Legend

T - Target compound detected outside RT window.
 M - Compound response manually integrated.

Date: 2002-11-22 : 2460

Client ID: 4511005311

Sample Info: 5/11/2008

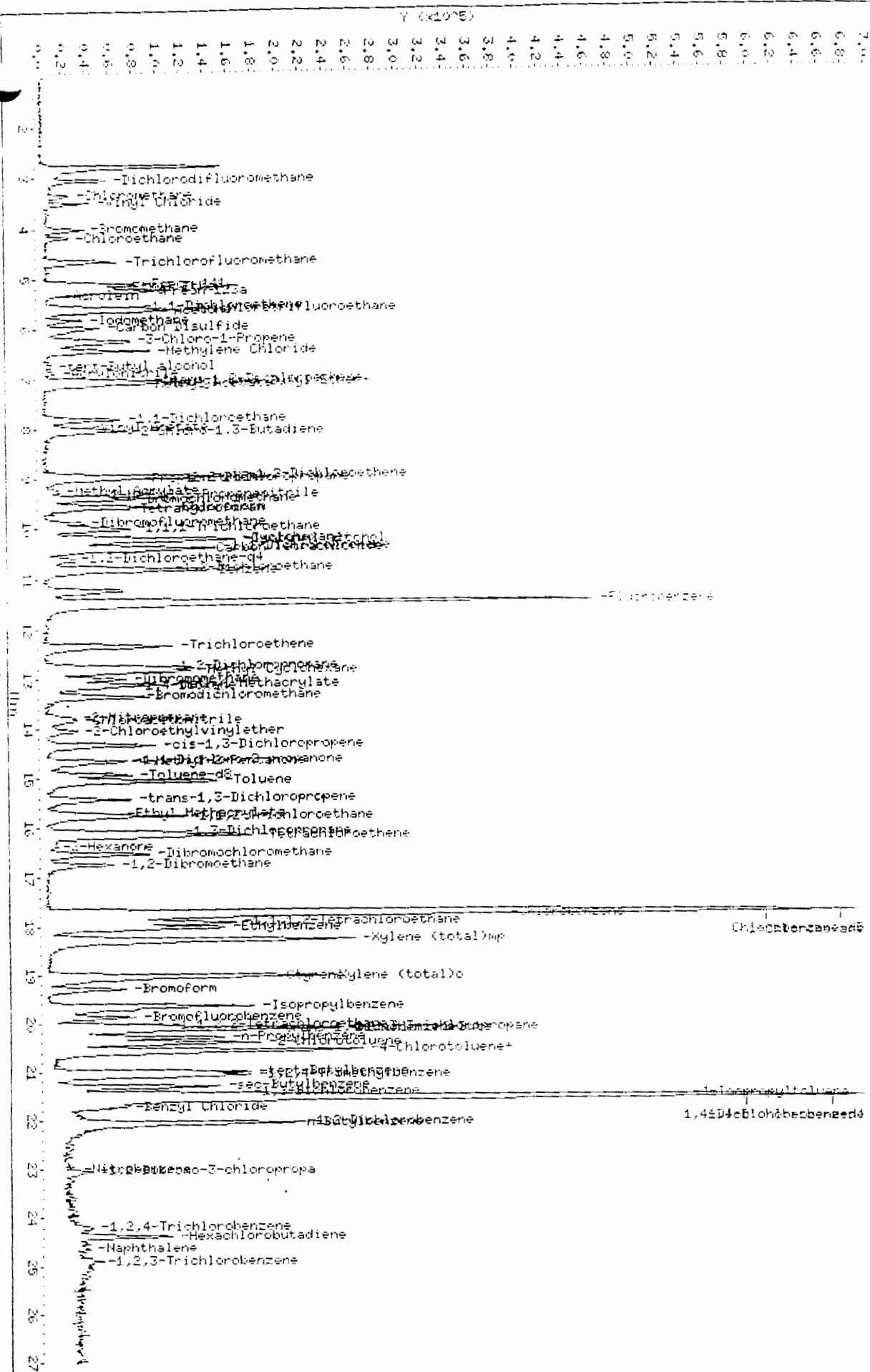
Purchase volume: 1,000

Column phase: HB-604

[illegible]

Opfer der ... H. H. ...

Column diameter: 4.63



STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\FILES\chem\VOA\msm.i\M034028.b\M4034.L
Lab Smp Id: VSTD020MC Client Smp ID: VSTD020MC
Inj Date : 23-JUN-2003 15:17 MS Autotune Date: 19-MAR-2003 13:25
Operator : M.Crowe Inst ID: msm.i
Smp Info : VSTD020MC
Misc Info : : ;;; VSTD020MC ; 8260B ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msm.i\M034028.b\M8260BFW.m
Meth Date : 23-Jun-2003 16:45 michael Quant Type: ISTD
Cal Date : 23-JUN-2003 15:17 Cal File: M4034.L
Als bottle: 40 Calibration Sample Level: 1
Dil Factor: 1.000000
Integrator: HP RTE Compound Sublist: 0061PAPP.ssr
Target Version: 4.10
Processing Host: CONMSOXT

Concentration Formula: Amt * DF * Uf * 1/Vc * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vc	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	AMOUNTS					CAL-AMT	IN-CEL
		MASS	RT	IMP RT	REL RT	RESPONSE	up L	up L
1 Fluorobenzene	96	11.463	11.429	1.000	1000000	20.0000		
2 Dichlorodifluoromethane	66	3.029	3.013	(0.264)	314079	20.0000		19
3 Chloromethane	50	3.325	3.309	(0.290)	325335	20.0000		19
4 Vinyl Chloride	62	3.462	3.466	(0.304)	330984	20.0000		19
5 Bromomethane	94	4.005	3.902	(0.349)	193047	20.0000		19
6 Chloroethane	64	4.162	4.041	(0.363)	161909	20.0000		19
7 Trichlorofluoromethane	101	4.650	4.829	(0.408)	485023	20.0000		19
8 Ethyl Ether	45	5.155	5.139	(0.450)	219357	20.0000		19
9 Freon 141	81	5.085	5.017	(0.444)	502877	20.0000		19
10 Freon 123a	67	5.242	5.191	(0.457)	103513	20.0000		19
11 Trichlorotrifluoroethane	101	5.626	5.557	(0.461)	445566	20.0000		19
12 1,1-Dichloroethene	96	5.573	5.505	(0.466)	204630	20.0000		19
13 Carbon Disulfide	76	5.974	5.905	(0.521)	647913	20.0000		19
14 Iodomethane	142	5.817	5.749	(0.508)	463241	20.0000		20
15 3-Chloro-1-Propene	41	6.215	6.167	(0.542)	515660	20.0000		20
16 Methylene Chloride	64	6.427	6.376	(0.541)	285117	20.0000		20
17 Acetone	43	5.608	5.592	(0.489)	77277	20.0000		20
18 trans-1,2-Dichloroethene	96	7.020	6.951	(0.612)	304866	20.0000		20
19 Methyl tert-Butyl Ether	73	7.072	7.055	(0.617)	795595	20.0000		20
20 Acrolein	56	5.294	5.278	(0.462)	69176	100.000		91
21 tert-Butyl alcohol	59	6.725	6.754	(0.557)	93755	100.000		110
22 Methyl Acetate	43	7.072	7.055	(0.617)	211921	20.0000		22

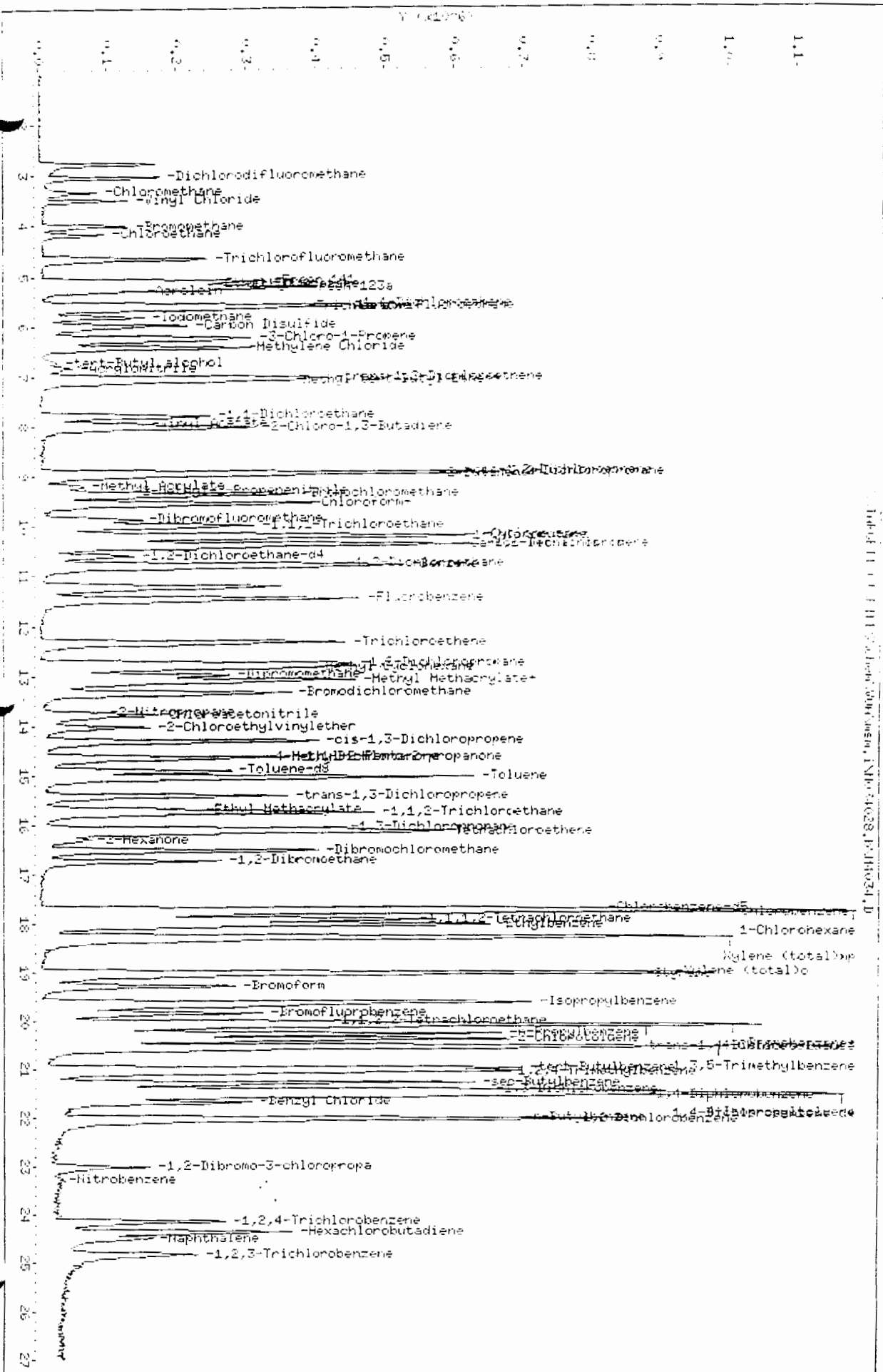
0000038

Compounds	MASS	AMOUNTS				CAL-AWT	CONC
		RT	EXP RT	REL RT	RESPONSE	ug/L	ug/L
23 Acetonitrile	40	7.071	7.055	1.007	236376	210.000	207
24 Acrylonitrile	53	8.823	8.794	1.004	118380	40.0000	4
27 3-Chloro-1,3-Butadiene	86	8.013	7.979	1.004	277971	10.0000	11
28 1,1-Dichloroethane	63	7.784	7.752	1.004	699918	10.0000	11
29 Vinyl Acetate	42	7.943	7.930	1.000	713183	10.0000	11
30 cis-1,2-Dichloroethane	96	8.913	8.895	1.002	181033	10.0000	11
31 2,2-Dichloropropane	77	8.030	8.000	1.004	317940	10.0000	11
32 Bromochloroethane	129	9.384	9.351	1.004	314179	10.0000	11
33 Chloroform	48	8.843	8.810	1.004	551110	10.0000	11
34 Ethyl Acetate	43	8.173	8.139	1.004	743191	10.0000	11
35 Methyl Acrylate	56	9.193	9.164	1.002	247143	10.0000	11
36 Dibromofluoromethane	111	9.860	9.826	1.004	131103	10.0000	11
37 Tetrahydrofuran	40	9.843	9.810	1.004	182230	10.0000	11
38 1,1,1-Trichloroethane	97	9.980	9.948	1.004	942123	10.0000	11
39 Carbon Tetrachloride	153	10.860	10.826	1.004	571440	10.0000	11
40 2-Butanone	40	8.984	8.957	1.004	121713	10.0000	11
41 1,1-Dichloropropene	75	11.133	11.104	1.004	111111	10.0000	11
42 Cyclohexane	44	10.191	10.164	1.004	111111	10.0000	11
43 1-Chlorocyclohexane	94	10.213	10.174	1.004	101111	10.0000	11
44 Propionitrile	54	8.984	8.955	1.004	211791	10.0000	11
47 Isobutyl Alcohol	40	10.191	10.164	1.004	211323	10.0000	11
48 Benzene	78	10.801	10.767	1.004	111111	10.0000	11
49 2-Methyl-2-Propenenitrile	41	9.300	9.268	1.004	140326	10.0000	11
50 1,2-Dichloroethane-d4	48	10.880	10.855	1.004	121633	10.0000	11
51 1,1-Dichloroethane	63	10.766	10.714	1.004	425977	10.0000	11
55 Methyl Cyclohexane	98	12.839	12.805	1.004	388488	10.0000	11
56 Trichloroethene	130	12.134	12.100	1.004	431753	10.0000	11
57 Dibromomethane	98	12.979	12.962	1.000	316657	10.0000	11
58 1,2-Dichloropropane	63	12.783	12.718	1.004	483836	10.0000	11
59 Bromodichloromethane	83	13.327	13.318	1.000	610137	10.0000	11
60 Methyl Methacrylate	69	13.083	13.057	1.004	510835	10.0000	11
61 1,4-Dioxane	58	13.083	13.102	1.004	89358	10.0000	11
62 2-Chloroethylvinylether	63	14.024	14.006	1.004	173526	10.0000	11
63 cis-1,3-Dichloropropene	78	14.303	14.287	1.004	618642	10.0000	11
64 2-Nitropropane	41	13.728	13.709	1.004	177448	10.0000	11
65 Chloroacetonitrile	48	13.780	13.761	1.004	168383	10.0000	11
66 trans-1,2-Dichloropropene	78	15.401	15.384	1.004	511301	10.0000	11
67 1,1,2-Trichloroethane	97	15.732	15.733	1.000	356809	10.0000	11
68 Chlorobenzene-d5	117	17.683	17.684	1.000	991999	10.0000	11
69 Toluene	91	15.035	15.018	1.004	1171457	10.0000	11
70 Toluene-d8	98	14.895	14.896	1.000	311147	10.0000	11
71 1,1-Dichloro-2-propanone	43	14.634	14.618	1.004	1331937	10.0000	11
72 4-Methyl-2-Pentanone	58	14.651	14.635	1.004	111063	10.0000	11
73 Tetrachloroethene	164	16.133	16.134	1.000	340001	10.0000	11
74 Ethyl Methacrylate	69	15.680	15.663	1.004	325705	10.0000	11
75 Dibromochloromethane	129	16.515	16.499	1.004	560226	10.0000	11
76 1,3-Dichloropropane	78	16.063	16.064	1.000	574290	10.0000	11
77 1,2-Dibromomethane	107	16.725	16.709	1.004	476585	10.0000	11
78 2-Hexanone	43	16.307	16.273	1.004	186289	10.0000	11
79 1-Chlorohexane	91	17.736	17.719	1.004	434301	10.0000	11
80 Chlorobenzene	112	17.753	17.754	1.000	899715	10.0000	11
81 1,1,1,2-Tetrachloroethane	131	17.892	17.911	1.012	396897	10.0000	11
82 Ethylbenzene	106	18.014	18.015	1.019	516597	10.0000	11
83 Xylene (total)mp	106	18.258	18.259	1.033	1254358	40.0000	43

Compounds	QUANT SIZ				AMOUNTS		
	WABS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	CONC
*****	WABS	RT	*****	*****	*****	*****	*****
84 Xylene total	104	18.881	18.881	1.074	581768	11.117	
85 Styrene	104	18.888	18.888	1.074	591389	11.010	
86 Biphenyl	173	19.246	19.246	1.111	448148	11.117	
* 87 1,4-Dichlorobenzene-d	181	21.449	21.451	1.171	444470	11.117	
88 Isopropyltoluene	182	19.407	19.407	1.111	131443		
89 1,1,1-Trichlorobenzene	182	19.407	19.407	1.111	131443		
90 Bromobenzene	182	21.171	21.171	1.174	121443		
91 1,1,2-Trichlorobenzene	182	21.171	21.171	1.174	121443		
92 1,1,2,2-Tetrachlorobenzene	182	21.171	21.171	1.174	121443		
93 n-Propylbenzene	91	21.171	21.171	1.174	121443		
94 o-Toluenetoluene	91	21.171	21.171	1.174	121443		
95 m-Chlorotoluene	91	21.171	21.171	1.174	121443		
96 p-Toluenetoluene	91	21.171	21.171	1.174	121443		
97 1,2-Dichlorobenzene	118	21.171	21.171	1.174	121443		
98 1,3-Dichlorobenzene	118	21.171	21.171	1.174	121443		
99 1,4-Dichlorobenzene	118	21.171	21.171	1.174	121443		
100 1,2,3-Trichlorobenzene	118	21.171	21.171	1.174	121443		
101 1,2,4-Trichlorobenzene	118	21.171	21.171	1.174	121443		
102 1,3,5-Trichlorobenzene	118	21.171	21.171	1.174	121443		
103 1,2,4-Trichlorobenzene	118	21.171	21.171	1.174	121443		
104 Benzyl Chloride	104	21.171	21.171	1.174	121443		
105 o-Propylbenzene	118	21.171	21.171	1.174	121443		
106 1,2-Dichloro-3-chlorobenzene	78	21.171	21.171	1.174	121443		
107 Nitrobenzene	78	21.171	21.171	1.174	121443		
108 1,2,4-Trichlorobenzene	181	24.121	24.121	1.138	578871	11.117	
109 Hexachlorobutadiene	208	24.340	24.340	1.138	187774	11.117	
110 Naphthalene	124	24.479	24.481	1.114	481541	11.117	
111 1,2,3-Trichlorobenzene	181	24.811	24.811	1.184	181124	11.117	
112 Bromofluorobenzene	108	19.844	19.845	1.921	181951	11.117	
M 113 1,2-Dichlorobenzene total	111				581768	11.117	
M 114 Xylene total	1				1144124	11.117	

Data File: MS10024.D
 Date: 23-09-2003 10:11
 Client ID: MS10024.D
 Sample Info: MS10024.D
 Purge Volume: 5.0
 Column Phase: HP-68A

Injections: 1
 Operator: H. J. Jones
 Column Diameter: 0.53



STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1 CT\FILES\chem\VCA\msm.i\M034028.b\M4035.D
 Lab Smp Id: VSTD100MD Client Smp ID: VSTD100MD
 Inj Date : 23-JUN-2003 15:50 MS Autotune Date: 19-MAR-2003 13:25
 Operator : M.Crowe Inst ID: msm.i
 Smp Info : VSTD100MD
 Misc Info : : ;;; VSTD100MD ; 8260B ; 1 ; LLW
 Comment :
 Method : \\TARGET1 CT\FILES\chem\VCA\msm.i\M034028.b\M8260BFW.r
 Meth Date : 23-Jun-2003 16:45 michael Quant Type: ISTD
 Cal Date : 23-JUN-2003 15:50 Cal File: M4035.D
 Als bottle: 41 Calibration Sample Level: 1
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: 8260BAPP.scs
 Target Version: 4.10
 Processing Host: CONWSONT

Concentration Formula: Amt * IF * Uf * 1/Vo * SpnVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged mL
Spn Variable		Local Compound Variable

S/A
6/24/03

Compounds	QUANT #13				AMOUNT	
	MASS	RT	EXP RT	REL RT	RESPONSE	CONC
1 Fluorobenzene	96	11.431	11.439	1.000	1351503	25.000
2 Dichlorodifluoromethane	88	3.035	3.013	0.993	1430456	100.000
3 Chloromethane	50	3.310	3.309	0.999	1177629	100.000
4 Vinyl Chloride	62	3.469	3.466	0.999	1316110	100.000
5 Bromomethane	94	3.922	3.902	0.995	688957	100.000
6 Chloroethane	64	4.096	4.041	0.986	673083	100.000
7 Trichlorofluoromethane	102	4.602	4.529	0.984	2541287	100.000
8 Ethyl Ether	45	5.142	5.139	0.999	1135236	100.000
9 Freon 141	91	5.072	5.017	0.989	3224623	100.000
10 Freon 123a	67	5.011	5.191	0.984	531484	100.000
11 Trichlorotrifluoroethane	101	5.635	5.557	0.986	2004979	100.000
12 1,1-Dichloroethane	96	5.625	5.508	0.981	1091016	100.000
13 Carbon Disulfide	76	5.943	5.905	0.993	1415205	100.000
14 Iodomethane	142	5.786	5.749	0.995	2443388	100.000
15 3-Chloro-1-Propene	41	6.187	6.167	0.995	2969929	100.000
16 Methylene Chloride	84	6.396	6.376	0.995	1415012	100.000
17 Acetone	43	5.555	5.592	0.989	167187	100.000
18 trans-1,2-Dichloroethane	96	6.989	6.951	0.994	1480080	100.000
19 Methyl tert-Butyl Ether	72	7.055	7.055	0.999	4049897	100.000
20 Acrolein	56	5.299	5.278	0.994	114432	100.000
21 tert-Butyl alcohol	59	6.727	6.754	0.990	617308	100.000
22 Methyl Acetate	43	7.055	7.055	0.999	1035436	100.000

Compounds	QUANT SIO MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT	ON-COL
						ug L	ug L
84 Xylene (total)	106	18.994	18.991	1.078	2416011	100.000	48
85 Styrene	104	18.994	18.999	1.078	3941942	100.000	100
86 Bromofur	173	19.173	19.167	1.091	1818168	100.000	1
87 1,4-Dichlorobenzene-84	186	21.466	21.461	1.091	482171	100.000	1
88 Isopropylbenzene	106	19.004	19.018	1.091	417604	100.000	1
89 1,1,1-Trichloroethane	98	20.005	20.019	1.091	331421	100.000	1
90 Benzobenzene	184	21.078	21.088	1.094	141054	100.000	1
91 1,1,1-Trichloropropane	11	21.178	21.188	1.094	87711	100.000	1
92 trans-1,4-Dichloro 2-Butene	94	21.138	21.134	1.097	111111	100.000	1
93 n-Propylbenzene	90	20.148	20.168	1.094	401741	100.000	1
94 3-Chlorotoluene	91	20.371	20.388	1.098	801607	100.000	1
95 4-Chlorotoluene	91	20.518	20.542	1.098	827891	100.000	1
96 1,3,5-Trimethylbenzene	106	21.510	21.538	1.098	401681	100.000	1
97 tert-Butylbenzene	114	21.881	21.878	1.098	481817	100.000	98
98 1,1,4-Trimethylbenzene	118	21.703	21.707	1.098	111111	100.000	1
99 sec-Butylbenzene	118	21.189	21.214	1.098	111111	100.000	1
100 4-Isopropyltoluene	110	21.481	21.491	1.098	111111	100.000	1
101 1,3-Dichlorobenzene	146	21.389	21.418	1.098	111111	100.000	1
102 1,4-Dichlorobenzene	146	21.601	21.618	1.102	111111	100.000	1
103 1,5-Dichlorobenzene	146	21.119	21.128	1.104	111111	100.000	1
104 Benzyl Chloride	112	21.678	21.698	1.103	142111	100.000	1
105 n-Butylbenzene	91	21.991	21.998	1.104	111111	100.000	1
106 1,2-Dibromo-3-chloropropane	78	21.984	21.998	1.107	111111	100.000	1
107 Nitrobenzene	77	23.246	23.248	1.082	1007089	1000.00	1300 A
108 1,2,4-Trichlorobenzene	186	24.117	24.131	1.102	3181133	100.000	141
109 Hexachlorobutadiene	218	24.344	24.359	1.103	419413	100.000	111
110 Naphthalene	128	24.448	24.462	1.108	4179189	100.000	121
111 1,2,3-Trichlorobenzene	186	24.797	24.811	1.109	1771156	100.000	111
8 112 Bromofluorobenzene	98	19.891	19.948	1.093	1000370	51.000	1
M 113 1,1-Dichloroethane (total)	111				3107113	100.000	1
M 114 Xylene (total)	106				7171111	100.000	1

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT ug/L	ON-CEL ug/L
13 Acetonitrile	41	7.059	7.059	0.917	1177111	100.000	100
14 Acrylonitrile	53	8.614	8.794	0.999	849211	100.000	100
15 2-Chloro-1,3-Butadiene	49	7.960	7.979	0.999	1399199	100.000	100
16 1,1-Dichloroethane	61	7.793	7.791	0.979	1341894	100.000	100
19 Vinyl Acetate	43	7.910	7.920	0.991	4017991	100.000	100
20 cis-1,1-Dichloroethane	61	8.844	8.843	0.997	1017991	100.000	100
21 1,1-Dichloropropene	77	8.910	8.917	0.991	1443994	100.000	100
31 Hexachlorocyclopentadiene	109	9.341	9.311	0.977	1014914	100.000	100
33 Chloroform	54	7.111	7.111	0.971	1177914	100.000	100
34 Ethyl Acetate	43	8.140	8.139	0.991	1019949	100.000	100
35 Methyl Acrylate	55	9.157	9.164	0.990	1379777	100.000	100
36 Dibromofluoromethane	111	9.846	9.816	0.991	1177914	100.000	100
37 Tetrahydrofuran	41	9.889	9.897	0.999	1117771	100.000	100
38 1,1,1-Trichloroethane	67	9.974	9.944	0.971	1019949	100.000	100
39 Carbon Tetrachloride	117	10.149	10.149	0.977	1117771	100.000	100
40 2-Butanone	43	8.920	8.937	0.991	1177914	100.000	100
41 1,1-Dichloropropene	75	10.934	10.914	0.999	1117771	100.000	100
42 Cyclohexane	69	10.161	10.119	0.999	1177914	100.000	100
43 1-Chlorobutene	57	10.167	10.174	0.999	1117771	100.000	100
46 Propionitrile	54	8.941	8.939	0.999	1119949	100.000	100
47 Isobutyl Alcohol	43	10.167	10.119	0.999	1119949	100.000	100
48 Benzene	78	10.767	10.767	0.994	4999949	100.000	100
49 3-Methyl-2-Propenenitrile	41	9.169	9.168	0.999	7719949	100.000	100
50 1,1-Dichloroethane-d4	63	10.561	10.558	0.994	1119949	100.000	100
51 1,1-Dichloroethane	62	10.735	10.714	0.999	1049499	100.000	100
55 Methyl Cyclohexane	81	10.819	10.803	0.999	1119949	100.000	100
56 Trichloroethene	101	10.909	10.910	0.979	1119949	100.000	100
57 Dibromomethane	93	10.969	10.940	0.994	1441647	100.000	100
58 1,1-Dichloropropene	60	10.701	10.709	0.999	1119949	100.000	100
59 Bromodichloromethane	103	10.911	10.919	0.999	1119949	100.000	100
60 Methyl Methacrylate	69	10.070	10.067	0.999	1119949	100.000	100
61 1,4-Dioxane	89	10.109	10.102	0.994	1119949	100.000	100
62 1-Chlorobutylvinyl ether	67	14.011	14.009	0.999	1119949	100.000	100
63 cis-1,3-Dichloropropene	75	14.190	14.187	0.999	1119949	100.000	100
64 2-Nitropropane	41	13.730	13.729	0.999	949949	100.000	100
65 Chloroacetonitrile	46	13.767	13.761	0.994	1119949	100.000	100
66 trans-1,3-Dichloropropene	75	15.387	15.384	0.994	1119949	100.000	100
67 1,1,2-Trichloroethane	97	15.736	15.733	0.976	1127105	100.000	100
68 Chlorobenzene-d5	117	17.670	17.684	0.999	927055	100.000	100
69 Toluene	91	15.021	15.019	0.999	1119949	100.000	100
70 Toluene-d8	93	14.899	14.896	0.994	1119949	100.000	100
71 1,1-Dichloro-2-propanone	43	14.621	14.618	0.997	7648294	100.000	100
72 4-Methyl-2-Pentanone	58	14.621	14.635	0.997	658499	100.000	100
73 Tetrachloroethene	164	15.119	15.134	0.991	1119949	100.000	100
74 Ethyl Methacrylate	69	15.649	15.663	0.994	1119949	100.000	100
75 Dibromochloromethane	129	16.503	16.499	0.994	1119949	100.000	100
76 1,3-Dichloropropene	75	16.050	16.064	0.994	1119949	100.000	100
77 1,2-Dibromoethane	107	16.712	16.709	0.994	1119949	100.000	100
78 2-Hexanone	43	16.276	16.273	0.999	1119949	100.000	100
79 1-Chlorohexane	91	17.722	17.719	0.999	1119949	100.000	100
80 Chlorobenzene	112	17.740	17.754	0.994	1119949	100.000	100
81 1,1,1,2-Tetrachloroethane	131	17.897	17.911	0.994	1119949	100.000	100
82 Ethylbenzene	106	18.001	18.015	0.999	1119949	100.000	100
83 Xylene (total)mp	106	18.245	18.259	0.999	1119949	100.000	100

STL-CT

Volatile Report SW-846 Method 8260E

Data file : \\TARGET1_CT\FILES\chem\VOA\msm.i\M034028.b\M4036.D
Lab Smp Id: VSTD200ME Client Smp ID: VSTD200ME
Inj Date : 23-JUN-2003 16:23 MS Autotune Date: 19-MAR-2003 16:23
Operator : M.Crowe Inst ID: msm.i
Smp Info : VSTD200ME
Misc Info : : ;;; VSTD200ME ; 8260E ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msm.i\M034028.b\M4036.D
Meth Date : 23-JUN-2003 16:45 michael Quant Type: ISTD
Cal Date : 23-JUN-2003 16:23 Cal File: M4036.D
Als bottle: 42 Calibration Sample, Level: 8
Dil Factor: 1.00000 Compound Sublist: 8260EAPP.sub
Integrator: HP RTE
Target Version: 4.10
Processing Host: CONMSOFT

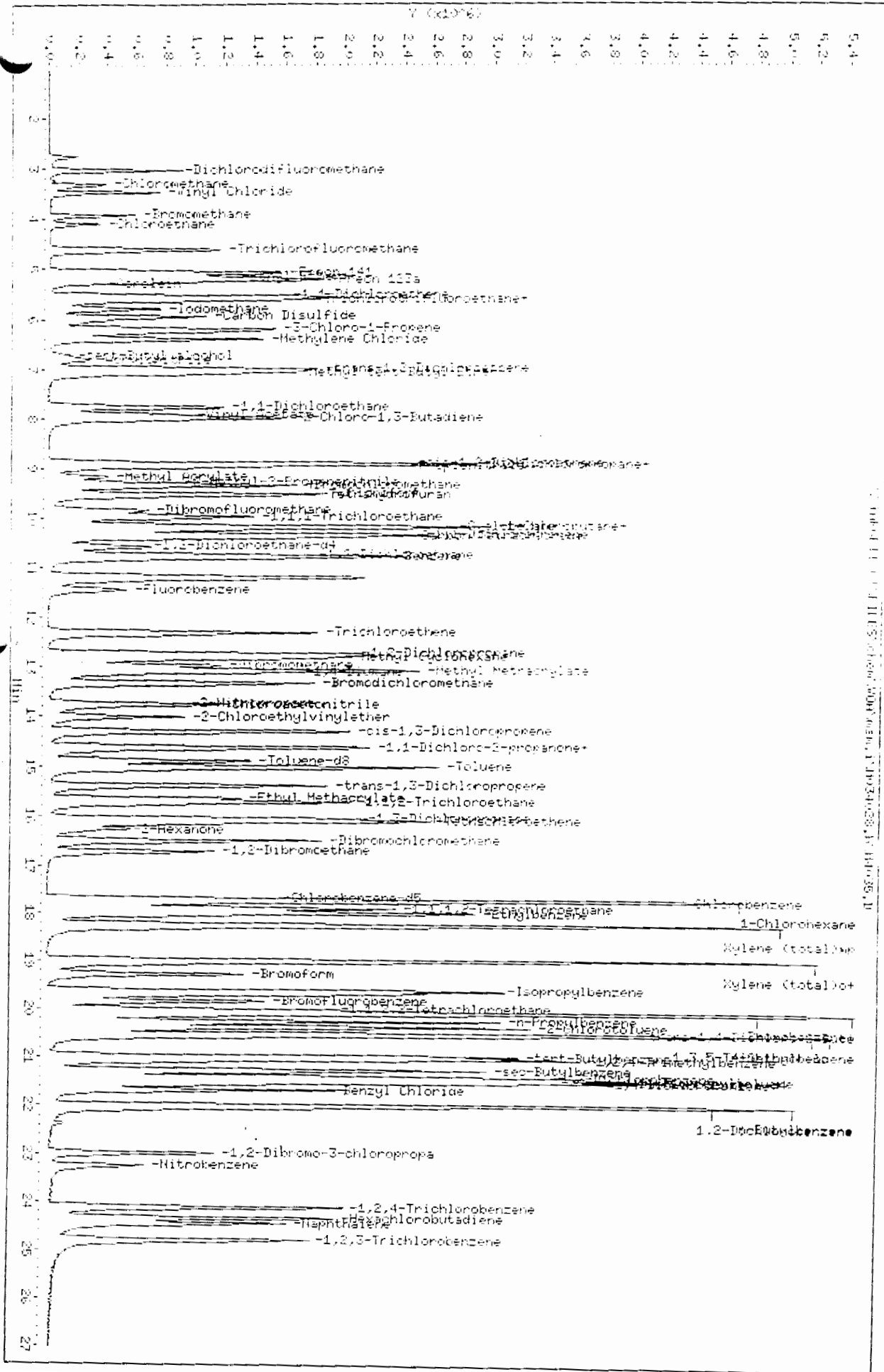
Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

2.01
6/24/03

Compounds	QUANT SIG						AMOUNTS	
	MASS		RT	EXP RT	REL RT	RESPONSE	CAL-AMT	UN-COL
							ug/L	ug/L
1 Fluorobenzene	94		11.429	11.419	(1.000)	1486333	15.0000	
2 Dichlorodifluoromethane	86		3.013	3.013	(0.264)	3782476	200.000	190
3 Chloromethane	50		3.309	3.309	(0.290)	2942543	200.000	200
4 Vinyl Chloride	62		3.466	3.466	(0.303)	1221212	200.000	210 A
5 Bromomethane	94		3.902	3.902	(0.341)	1567473	200.000	150
6 Chloroethane	64		4.041	4.041	(0.354)	1127702	200.000	130
7 Trichlorofluoromethane	101		4.529	4.529	(0.396)	1746218	200.000	190
8 Ethyl Ether	48		5.139	5.139	(0.450)	2633469	200.000	160
9 Freon 141	81		5.017	5.017	(0.439)	7586082	200.000	190
10 Freon 123a	67		5.191	5.191	(0.454)	1236760	200.000	160
11 Trichlorotrifluoroethane	101		5.557	5.557	(0.466)	5008869	200.000	190
12 1,1-Dichloroethene	96		5.505	5.505	(0.462)	2783777	200.000	200
13 Carbon Disulfide	76		5.905	5.905	(0.517)	1461726	200.000	210(A)
14 Iodomethane	142		5.749	5.749	(0.503)	6619305	200.000	220(A)
15 3-Chloro-1-Propene	41		6.167	6.167	(0.540)	7611562	200.000	220 A
16 Methylene Chloride	84		6.376	6.376	(0.556)	1424184	200.000	190
17 Acetone	43		5.592	5.592	(0.489)	846539	200.000	160
18 trans-1,2-Dichloroethene	96		6.951	6.951	(0.608)	3411645	200.000	190
19 Methyl tert-Butyl Ether	73		7.055	7.055	(0.617)	1740280	200.000	200
20 Acrolein	56		5.278	5.278	(0.462)	800458	1000.00	880
21 tert-Butyl alcohol	59		6.794	6.794	(0.594)	1339437	1000.00	1100(A)
22 Methyl Acetate	43		7.055	7.055	(0.617)	2470327	200.000	200

Instrument: Jovian
Operator: H. G. Jones
Column diameter: 0.63



Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT	ON-COL
						UG/L	UG/L
25 Acetonitrile	41	7.088	7.088	0.817	3740786	200.000	180
26 Acrylonitrile	53	8.794	8.794	(0.894)	1612622	400.000	450 A
27 1-Chloro-1,3-Butadiene	69	7.979	7.979	0.839	3251927	200.000	20
28 1,1-Dichloroethane	69	7.782	7.782	0.879	7857182	200.000	10
29 Vinyl Acetate	43	7.832	7.832	0.892	10046327	200.000	100 A
30 cis-1,3-Dichloroethene	81	8.885	8.885	0.777	3738324	200.000	10
31 1,1-Trichloropropane	77	8.827	8.827	0.780	5410789	200.000	10
32 Bromochloroethane	129	9.322	9.322	1.119	2174818	200.000	10
33 Chloroform	83	8.812	8.812	0.881	4891910	200.000	10
34 Ethyl Acetate	43	8.139	8.139	0.480	749679	200.000	10
35 Methyl Acrylate	55	9.164	9.164	(0.802)	3691277	200.000	200 A
36 Dibromofluoromethane	111	9.826	9.826	(0.860)	3140844	200.000	10
37 Tetrahydrofuran	41	9.530	9.530	0.824	1871614	400.000	400 A
38 1,1,1-Trichloroethane	97	9.948	9.948	0.870	6076127	200.000	180
39 Carbon Tetrachloride	117	10.366	10.366	1.117	6101101	200.000	10
40 2-Pentanone	43	9.927	9.927	0.792	1474121	200.000	10
41 1,1-Dichloropropene	71	10.314	10.314	0.870	1401101	200.000	10
42 Cyclohexane	44	10.139	10.139	0.887	4129164	200.000	10
43 1-Chlorocyclohexane	84	10.174	10.174	1.191	1076710	200.000	10
44 Propionitrile	54	8.985	8.985	0.744	2948288	200.000	100 A
45 Isobutyl Alcohol	43	10.139	10.139	0.887	1133694	200.000	10
46 Pentene	78	10.767	10.767	(0.842)	10110992	200.000	10
47 2-Methyl-2-Propenenitrile	41	9.289	9.289	0.811	1882967	200.000	200 A
48 1,1,2-Dichloroethane-24	69	10.888	10.888	(0.824)	1087486	200.000	80
49 1,2-Dichloroethane	62	10.714	10.714	(0.880)	4614377	200.000	180
50 Methyl Cyclohexane	83	10.808	10.808	(1.100)	4094816	200.000	180
51 Trichloroethene	130	12.300	12.300	(1.076)	4314018	200.000	170
52 Dibromomethane	93	12.962	12.962	(1.184)	3320604	200.000	180
53 1,1-Dichloropropane	63	12.718	12.718	(1.123)	5152179	200.000	180
54 Bromodichloromethane	93	13.318	13.318	(1.166)	6912008	200.000	180
55 Methyl Methacrylate	69	13.267	13.267	1.149	5822901	400.000	10
56 1,4-Dioxane	58	13.102	13.102	(1.146)	1088221	200.000	200 A
57 2-Chloroethylvinylether	63	14.008	14.008	(1.226)	2348859	300.000	200 A
58 cis-1,3-Dichloropropene	75	14.287	14.287	(1.280)	7024935	200.000	180
59 2-Nitropropane	41	13.729	13.729	(1.202)	2301646	400.000	400 A
60 Chloroacetonitrile	46	13.781	13.781	(1.206)	2684192	400.000	200 A
61 trans-1,3-Dichloropropene	75	15.384	15.384	(1.346)	5545647	200.000	180
62 1,1,2-Trichloroethane	97	15.733	15.733	(1.377)	3806105	200.000	180
63 Chlorobenzene-d5	117	17.684	17.684	(1.000)	1127332	25.0000	10
64 Toluene	91	15.018	15.018	(0.849)	11373039	200.000	180
65 Toluene-d8	98	14.896	14.896	(0.842)	5526010	100.000	80
66 1,1-Dichloro-2-propanone	43	14.618	14.618	(0.827)	17244616	1000.00	1100 A
67 4-Methyl-2-Pentanone	58	14.635	14.635	(0.828)	1491769	200.000	200 A
68 Tetrachloroethene	164	16.134	16.134	(0.912)	2918272	200.000	170
69 Ethyl Methacrylate	69	15.663	15.663	(0.886)	4273513	200.000	220 A
70 Dibromochloromethane	129	16.499	16.499	(0.933)	5657704	200.000	180
71 1,3-Dichloropropane	76	16.064	16.064	(0.906)	6121670	200.000	180
72 1,2-Dibromoethane	107	16.709	16.709	(0.945)	5078632	200.000	200
73 2-Hexanone	43	16.273	16.273	(0.920)	3146563	200.000	260 A
74 1-Chlorohexane	91	17.719	17.719	(1.002)	4284505	200.000	180
75 Chlorobenzene	112	17.754	17.754	(1.004)	8056449	200.000	180
76 1,1,1,2-Tetrachloroethane	131	17.911	17.911	(1.013)	3968941	200.000	190
77 Ethylbenzene	106	18.015	18.015	(1.019)	4547254	200.000	180
78 Xylene (total)mp	106	18.259	18.259	(1.033)	10419236	400.000	340

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT ug/L	IN-CON ug/L
84 Xylene total	106	19.991	19.991	1.074	3193481	100.000	170
85 Styrene	104	19.009	19.009	1.075	3176559	100.000	181
86 Bromoform	173	19.087	19.087	1.091	3171971	100.000	217
87 1,4-Dichlorobenzene-54	130	21.800	21.800	1.000	111840	10.000	
88 Isopropylbenzene	118	19.614	19.614	1.010	108381	10.000	
89 1,1,1-Trichloroethane	88	20.019	20.019	1.001	3104000	100.000	
90 Benzobenzene	126	21.049	21.049	1.004	3470410	100.000	
91 1,1,1-Trichloropropane	117	20.049	20.049	1.004	1173140	100.000	
92 trans-1,4-Dichloro-2-butene	80	21.114	21.114	1.003	1087544	10.000	
93 n-Propylbenzene	91	21.023	21.023	1.001	117503.6	10.000	
94 o-Chlorotoluene	91	20.388	20.388	0.998	11190010	100.000	
95 p-Chlorotoluene	91	20.543	20.543	1.000	11970039	100.000	
96 1,3,5-Trimethylbenzene	118	20.808	20.808	0.998	4418781	100.000	
97 tert-Butylbenzene	118	20.974	20.974	1.074	3814001	100.000	191
98 1,2,4-Trimethylbenzene	118	21.047	21.047	1.074	1144481	100.000	177
99 sec-Butylbenzene	118	21.074	21.074	1.000	114407.1	10.000	
100 4-Isopropyltoluene	119	21.468	21.468	1.000	3448314	10.000	
101 1,4-Dichlorobenzene	146	21.413	21.413	1.000	1101119	10.000	
102 1,4-Dichlorobenzene	146	21.808	21.808	1.001	1140909	10.000	197
103 1,2-Dichlorobenzene	146	20.003	20.003	1.004	4421721	100.000	197
104 Benzyl Chloride	110	21.491	21.491	1.074	1107709	100.000	197 A
105 n-Butylbenzene	91	21.949	21.949	1.000	4401780	100.000	197 A
106 1,1,1-Trichloro-2-chloropropane	70	20.999	20.999	1.070	1110001	100.000	197 A
107 Nitrobenzene	77	23.043	23.043	1.001	3324780	1000.00	4600 A
108 1,1,4-Trichlorobenzene	180	24.131	24.131	1.000	4674607	100.000	240 A
109 Hexachlorocyclopentadiene	206	24.338	24.338	1.000	1939119	100.000	220 A
110 Naphthalene	128	24.461	24.461	1.000	3473729	100.000	300 A
111 1,2,3-Trichlorobenzene	180	24.611	24.611	1.000	4184466	100.000	240 A
112 Bromofluorobenzene	98	19.643	19.643	0.998	3187986	100.000	197
X 113 1,2-Dichloroethene (total)	100				7347189	400.000	380
X 114 Xylene (total)	106				13313710	600.000	500

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-CT

Contract:

Lab Code: STLCT

Case No.: 203937 SAS No.:

SDG No.: 203937

Instrument ID: MSM

Calibration Date: 06/23/03

Time: 1916

Lab File ID: M4038

Init. Calib. Date(s): 06/23/03

06/23/03

Heated Purge: (Y/N) N

Init. Calib. Times: 1014

1623

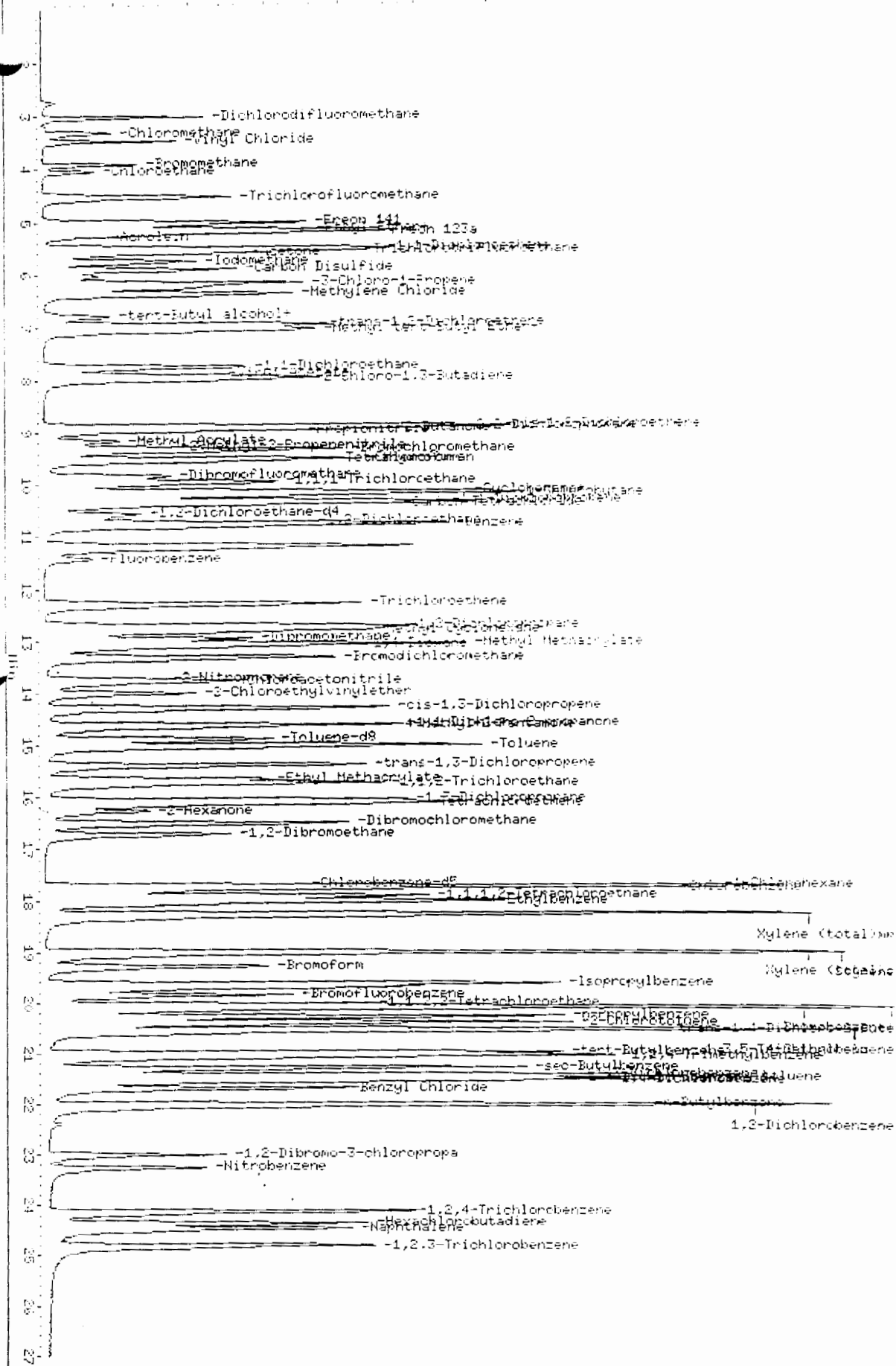
GC Column: DB-624

ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN RRF	AD	MAX AD
Dichlorodifluoromethane	0.301	0.291	0.01	3.3	100
Chloromethane	0.223	0.185	0.01	17.0	100
Vinyl Chloride	0.235	0.194	0.01	17.4	20.0
Bromomethane	0.154	0.148	0.01	3.9	100
Chloroethane	0.135	0.143	0.01	3.9	100
Trichlorofluoromethane	0.460	0.427	0.01	7.2	100
Ethyl Ether	0.223	0.192	0.01	13.9	100
Freon 141	0.593	0.534	0.01	9.9	100
Freon 123a	0.103	0.092	0.01	10.3	100
Trichlorotrifluoroethane	0.401	0.395	0.01	11.3	100
Acrolein	0.014	0.011	0.001	21.4	100
1,1-Dichloroethene	0.215	0.212	0.01	11.3	20.0
Acetone	0.073	0.065	0.01	11.0	100
Iodomethane	0.449	0.463	0.01	3.1	100
Carbon Disulfide	0.602	0.581	0.01	3.3	100
3-Chloro-1-Propene	0.527	0.510	0.01	3.2	100
tert-Butyl alcohol	0.018	0.015	0.001	16.7	100
Methylene Chloride	0.270	0.261	0.01	3.3	100
Methyl tert-Butyl Ether	0.735	0.681	0.01	7.3	100
Ethyl Acetate	0.029	0.026	0.01	10.3	100
trans-1,2-Dichloroethene	0.283	0.300	0.01	6.0	100
Acrylonitrile	0.052	0.051	0.01	1.9	100
1,1-Dichloroethane	0.611	0.605	0.1	1.0	100
2,2-Dichloropropane	0.448	0.474	0.01	3.8	100
cis-1,2-Dichloroethene	0.308	0.329	0.01	6.8	100
2-Butanone	0.113	0.100	0.01	11.5	100
Methyl Acrylate	0.233	0.211	0.01	9.4	100
Propionitrile	0.019	0.017	0.01	10.5	100
Bromochloromethane	0.179	0.196	0.01	9.5	100
2-Methyl-2-Propenenitrile	0.129	0.109	0.01	15.5	100
Tetrahydrofuran	0.069	0.059	0.01	14.5	100
Chloroform	0.566	0.559	0.01	1.2	20.0
1,1,1-Trichloroethane	0.493	0.485	0.01	1.6	100
1-Chlorobutane	1.150	1.116	0.01	3.0	100
Carbon Tetrachloride	0.436	0.442	0.01	1.4	100
Chloroacetonitrile	0.008	0.008	0.001	0.0	100
1,1-Dichloropropene	0.415	0.439	0.01	5.8	100

Data File: 0000000000000000
 Date: 23-Mar-2003 16:23
 Client: ID: 0010000000
 Sample Info: 0010000000
 Run & Volume: 1.00
 Column Phase: ID: 000

Instrument: 1000000000
 Volume: 1.00 mL
 Flow: 1.00 mL/min



FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-CT

Contract:

Lab Code: STLCT

Case No.: 203937 SAS No.:

SDG No.: 203937

Instrument ID: MSM

Calibration Date: 06/23/03 Time: 1918

Lab File ID: M4038

Init. Calib. Date(s): 06/23/03 06/23/03

Heated Purge: (Y/N) N

Init. Calib. Times: 1014 1623

GC Column: DB-624 ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN RRF	RD	MAX RD
=====	=====	=====	=====	=====	=====
n-Propylbenzene	3.324	3.488	0.01	4.9	100
2-Chlorotoluene	2.966	2.999	0.01	1.1	100
4-Chlorotoluene	2.869	2.812	0.01	2.0	100
1,3,5-Trimethylbenzene	2.304	2.284	0.01	0.9	100
tert-Butylbenzene	2.506	2.488	0.01	3.7	100
1,2,4-Trimethylbenzene	2.324	2.298	0.01	1.1	100
sec-Butylbenzene	2.056	2.044	0.01	0.6	100
4-Isopropyltoluene	2.223	2.251	0.01	1.2	100
1,3-Dichlorobenzene	1.544	1.461	0.01	4.1	100
1,4-Dichlorobenzene	1.828	1.676	0.01	2.7	100
1,2-Dichlorobenzene	1.710	1.625	0.01	3.0	100
Benzyl Chloride	0.367	0.393	0.01	7.1	100
Pentachloroethane		0.017	0.01		100
n-Butylbenzene	1.893	2.038	0.01	7.6	100
1,2-Dibromo-3-chloropropane	0.289	0.241	0.01	16.6	100
Nitrobenzene	0.036	0.024	0.01	33.3	100
1,2,4-Trichlorobenzene	0.870	0.942	0.01	8.3	100
Hexachlorobutadiene	0.430	0.460	0.01	7.0	100
Naphthalene	1.575	1.474	0.01	6.4	100
1,2,3-Trichlorobenzene	0.842	0.837	0.01	0.6	100
Xylene (total)	0.679	0.673	0.01	0.9	100
1,2-Dichloroethene (total)	0.296	0.314	0.01	6.1	100
Methyl Cyclohexane	0.352	0.347	0.01	1.4	100
Cyclohexane	0.342	0.352	0.01	2.9	100
Methyl Acetate	0.189	0.173	0.01	8.5	100
Acetonitrile	0.021	0.020	0.001	4.8	100
Isobutyl Alcohol	0.018	0.017	0.001	5.6	100
=====	=====	=====	=====	=====	=====
Dibromofluoromethane	0.474	0.428	0.01	9.7	100
1,2-Dichloroethane-d4	0.315	0.290	0.01	7.9	100
Toluene-d8	1.258	1.189	0.01	5.5	100
Bromofluorobenzene	1.463	1.320	0.01	9.8	100

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-CT

Contract:

Lab Code: STLCT

Case No.: 203937 SAS No.:

SDG No.: 203937

Instrument ID: MSM

Calibration Date: 06/23/03

Time: 1918

Lab File ID: M4038

Init. Calib. Date(s): 06/23/03

06/23/03

Heated Purge: (Y/N) N

Init. Calib. Times: 1014

1623

GC Column: DB-624

ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN RRF	RT	REF
Benzene	0.970	0.989	0.01	1.1	100
1,2-Dichloroethane	0.376	0.356	0.01	3.2	100
2-Chloro-1,3-Butadiene	0.249	0.260	0.01	4.4	100
Vinyl Acetate	0.673	0.624	0.01	1.3	100
Trichloroethene	0.374	0.388	0.01	3.7	100
1,2-Dichloropropane	0.421	0.481	0.01	4.3	100
Methyl Methacrylate	0.224	0.204	0.01	3.9	100
1,4-Dioxane	0.009	0.006	0.001	3.3	100
Dibromomethane	0.277	0.274	0.01	1.1	100
Bromodichloromethane	0.544	0.547	0.01	1.3	100
2-Nitropropane	0.080	0.063	0.01	2.2	100
2-Chloroethylvinylether	0.163	0.142	0.01	1.9	100
cis-1,3-Dichloropropene	0.561	0.544	0.01	2.1	100
trans-1,3-Dichloropropene	0.459	0.431	0.01	3.1	100
1,1,2-Trichloroethane	0.300	0.287	0.01	3.3	100
4-Methyl-2-Pentanone	0.142	0.144	0.01	1.4	100
Toluene	1.376	1.503	0.01	9.2	20.0
Ethyl Methacrylate	0.423	0.429	0.01	1.4	100
Tetrachloroethene	0.388	0.416	0.01	7.2	100
1,3-Dichloropropane	0.713	0.714	0.01	0.1	100
2-Hexanone	0.267	0.287	0.01	7.5	100
Dibromochloromethane	0.651	0.683	0.01	4.9	100
1,2-Dibromoethane	0.575	0.582	0.01	1.2	100
1,1-Dichloro-2-propanone	0.345	0.306	0.01	11.3	100
1-Chlorohexane	0.515	0.545	0.01	5.3	100
Chlorobenzene	1.047	1.112	0.3	6.2	100
1,1,1,2-Tetrachloroethane	0.474	0.512	0.01	8.0	100
Ethylbenzene	0.573	0.593	0.01	3.5	20.0
Xylene (total)mp	0.686	0.684	0.01	0.3	100
Xylene (total)o	0.664	0.652	0.01	1.8	100
Styrene	1.027	1.071	0.01	4.3	100
Bromoform	0.399	0.408	0.1	2.2	100
Isopropylbenzene	3.272	3.398	0.01	3.8	100
1,1,2,2-Tetrachloroethane	1.359	1.292	0.3	4.9	100
Bromobenzene	1.031	1.082	0.01	4.9	100
1,2,3-Trichloropropane	0.309	0.286	0.01	7.4	100
trans-1,4-Dichloro-2-Butene	0.266	0.270	0.01	1.5	100

STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\Files\chem\VOA\msm.i\M034038.b\M4038.D
 Lab Smp Id: VSTD050MF Client Smp ID: VSTD050MF
 Inj Date : 23-JUN-2003 19:18 MS Autotune Date: 19-MAR-2003 11:16
 Operator : k.arnold Inst ID: msm.i
 Smp Info : VSTD050MF
 Misc Info : : ;;; VSTD050MF ; 8260B ; 1 ; LLW
 Comment :
 Method : \\TARGET1_CT\Files\chem\VOA\msm.i\M034038.b\M8260BFW.m
 Meth Date : 23-Jun-2003 19:38 michael Quant Type: ISTD
 Cal Date : 23-JUN-2003 16:23 Cal File: M4038.D
 Als bottle: 35 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: 8260BAP9.sub
 Target Version: 4.10
 Processing Host: CONMSONT

Ka
6/23/03

Concentration Formula: Amt * DF * UF * 1/Vc * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
UF	5.000	ng unit correction factor
Vc	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

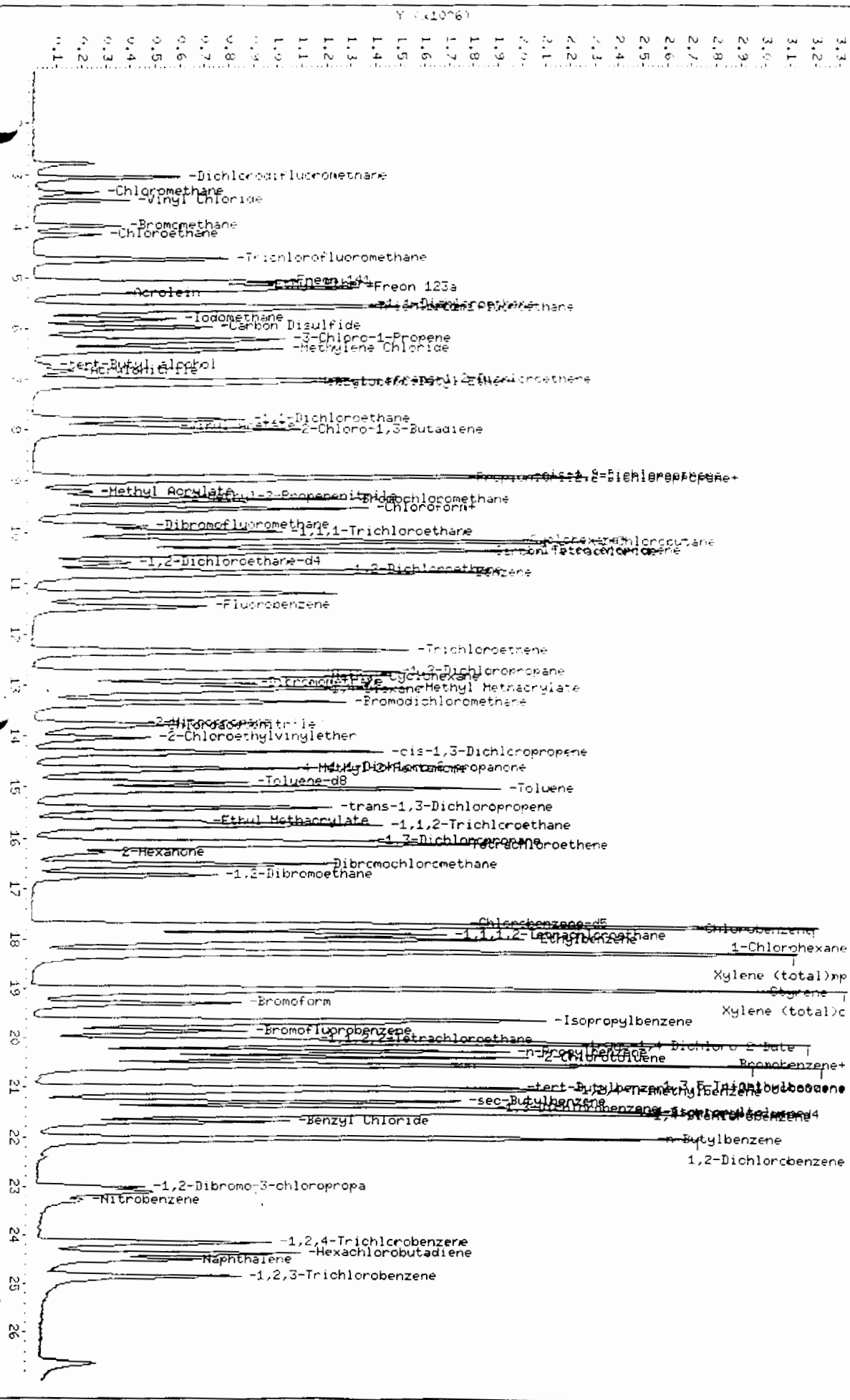
Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ug/L)	ug/L
1 Fluorobenzene	96	11.463	11.463	(1.000)	1971835	25.0000		
2 Dichlorodifluoromethane	88	3.047	3.047	(0.266)	1147570	50.0000		48
3 Chloromethane	50	3.326	3.326	(0.290)	730155	50.0000		41
4 Vinyl Chloride	62	3.483	3.483	(0.304)	767363	50.0000		41
5 Bromomethane	94	3.971	3.971	(0.346)	584032	50.0000		43
6 Chloroethane	64	4.162	4.162	(0.363)	564755	50.0000		33
7 Trichlorofluoromethane	101	4.650	4.650	(0.406)	1684691	50.0000		46
8 Ethyl Ether	45	5.173	5.173	(0.451)	756651	50.0000		43
9 Freon 141	81	5.086	5.086	(0.444)	2106439	50.0000		45
10 Freon 123a	67	5.225	5.225	(0.456)	361733	50.0000		45
11 Trichlorotrifluoroethane	101	5.626	5.626	(0.491)	1558621	50.0000		49
12 1,1-Dichloroethene	96	5.574	5.574	(0.486)	836585	50.0000		49
13 Carbon Disulfide	76	5.974	5.974	(0.521)	2292622	50.0000		48
14 Iodomethane	142	5.618	5.618	(0.508)	1827131	50.0000		52
15 3-Chloro-1-Propene	41	6.218	6.218	(0.542)	2013402	50.0000		48
16 Methylene Chloride	84	6.427	6.427	(0.561)	1029269	50.0000		46
17 Acetone	43	5.608	5.608	(0.489)	258109	50.0000		45
18 trans-1,2-Dichloroethene	96	7.020	7.020	(0.612)	1184331	50.0000		53
19 Methyl tert-Butyl Ether	73	7.090	7.090	(0.618)	2686709	50.0000		46
20 Acrolein	56	5.312	5.312	(0.463)	224739	250.000		210
21 tert-Butyl alcohol	59	6.724	6.724	(0.587)	292448	250.000		200
22 Methyl Acetate	43	7.090	7.090	(0.618)	681955	50.0000		46

Compounds	MASS	AMOUNTS				CAL-AMT	CN-CON
		RT	INT	RT	RESPONSE	ug/L	ug/L
13 Acetonitrile	41	1.177	1.177	1.177	782657	500.000	40
14 Acrylonitrile	53	1.177	1.177	1.177	393721	100.000	5
17 2-Chloro-1,3-Butadiene	54	1.177	1.177	1.177	1024119	50.0000	42
18 1,1-Dichloroethane	59	1.177	1.177	1.177	1385839	50.0000	4
29 Vinyl Acetate	61	1.177	1.177	1.177	1461302	50.0000	40
30 cis-1,2-Dichloroethene	61	1.177	1.177	1.177	1296693	50.0000	40
31 2,2-Dichloropropane	77	1.177	1.177	1.177	1671490	100.0000	30
32 Dibromochloromethane	107	1.177	1.177	1.177	771043	50.0000	40
33 Chloroform	43	1.177	1.177	1.177	1016477	50.0000	40
34 Ethyl Acetate	73	1.177	1.177	1.177	100358	50.0000	40
35 Methyl Acrylate	73	1.177	1.177	1.177	432553	50.0000	40
36 Dibromofluoromethane	111	1.177	1.177	1.177	643341	100.0000	40
37 Tetrahydrofuran	41	1.177	1.177	1.177	468729	100.0000	40
38 1,1,1-Trichloroethane	97	1.177	1.177	1.177	1913478	50.0000	40
39 Carbon Tetrachloride	117	1.177	1.177	1.177	1745001	50.0000	51
40 2-Butanone	43	1.177	1.177	1.177	392851	50.0000	40
41 1,1-Dichloropropene	59	1.177	1.177	1.177	1031449	50.0000	40
42 Cyclohexane	68	1.177	1.177	1.177	1347603	50.0000	40
43 1-Chlorobutane	57	1.177	1.177	1.177	141444	50.0000	40
44 Propionitrile	54	1.177	1.177	1.177	114043	50.0000	40
45 Isobutyl Alcohol	57	1.177	1.177	1.177	117841	50.0000	40
46 Butanol	57	1.177	1.177	1.177	117841	50.0000	40
49 2-Methyl-2-Propenol	57	1.177	1.177	1.177	117841	50.0000	40
50 1,3-Dichloroethane-d4	97	1.177	1.177	1.177	172128	100.0000	40
51 1,3-Dichloroethane	61	1.177	1.177	1.177	1405821	100.0000	40
55 Methyl Cyclohexane	67	1.177	1.177	1.177	1367598	50.0000	40
56 Trichloroethene	131	1.177	1.177	1.177	1538912	50.0000	40
57 Dibromomethane	79	1.177	1.177	1.177	1082644	50.0000	40
58 1,2-Dichloropropane	63	1.177	1.177	1.177	1581181	50.0000	40
59 Bromodichloromethane	61	1.177	1.177	1.177	2166259	50.0000	40
60 Methyl Methacrylate	67	1.177	1.177	1.177	1611907	100.0000	40
61 1,4-Dioxane	54	1.177	1.177	1.177	256761	500.0000	370
62 2-Chloroethylvinylether	41	1.177	1.177	1.177	559921	50.0000	40
63 cis-1,3-Dichloropropene	75	1.177	1.177	1.177	2145200	50.0000	40
64 2-Nitropropane	41	1.177	1.177	1.177	497089	100.0000	70
65 Chloroacetonitrile	43	1.177	1.177	1.177	600398	1000.0000	930
66 trans-1,3-Dichloropropene	75	1.177	1.177	1.177	1701470	50.0000	40
67 1,1,2-Trichloroethane	97	1.177	1.177	1.177	1133363	50.0000	40
68 Chlorobenzene-d5	117	1.177	1.177	1.177	1299936	25.0000	50
69 Toluene	91	1.177	1.177	1.177	3907145	50.0000	50
70 Toluene-d8	98	1.177	1.177	1.177	1545123	25.0000	24
71 1,1-Dichloro-2-propanone	43	1.177	1.177	1.177	3963793	250.0000	220
72 4-Methyl-2-Pentanone	58	1.177	1.177	1.177	374935	50.0000	51
73 Tetrachloroethene	164	1.177	1.177	1.177	1081186	50.0000	54
74 Ethyl Methacrylate	69	1.177	1.177	1.177	1115960	50.0000	51
75 Dibromochloromethane	129	1.177	1.177	1.177	1775423	50.0000	52
76 1,3-Dichloropropane	76	1.177	1.177	1.177	1857174	50.0000	50
77 1,2-Dibromoethane	107	1.177	1.177	1.177	1514554	50.0000	51
78 2-Hexanone	43	1.177	1.177	1.177	746218	50.0000	54
79 1-Chlorohexane	91	1.177	1.177	1.177	1417439	50.0000	53
80 Chlorobenzene	112	1.177	1.177	1.177	2891853	50.0000	53
81 1,1,1,2-Tetrachloroethane	131	1.177	1.177	1.177	1332153	50.0000	54
82 Ethylbenzene	106	1.177	1.177	1.177	1541945	50.0000	52
83 Xylene (total)mp	106	1.177	1.177	1.177	3554592	100.0000	100

Compounds	MOUNT 512 MASS	RT	ENL RT	VEL RT	RESPONSE	AMOUNTS	
						VAL-AMT	IN-TEL
=====	=====	=====	=====	=====	=====	=====	=====
84 Xylene (total)	106	19.006	19.006	0.074	1695694	8.111	12
85 Styrene	104	19.028	19.028	0.078	2784092	8.111	11
86 Bromoform	173	19.027	19.027	0.077	124.17	8.111	11
87 1,4-Dichlorobenzene-34	152	21.501	21.501	0.031	5317.3	13	
88 Isopropylbenzene	106	19.436	19.436	0.043	3341733	8.111	12
89 1,1,2,2-Tetrachloroethane	98	21.019	21.019	0.031	1494361	8.111	11
90 Bromobenzene	156	21.033	21.033	0.034	1238712		
91 1,2,3-Trichloropropane	111	21.033	21.033	0.034	31.47		
92 trans-1,4-Dichloro-Cyclohex	98	20.103	20.103	0.03	601307		
93 n-Propylbenzene	94	20.413	20.413	0.043	4046311		
94 2-Chlorotoluene	91	20.364	20.364	0.044	34794.7		
95 4-Chlorotoluene	91	20.541	20.541	0.055	3242243	8.111	11
96 1,3,5-Trimethylbenzene	106	20.524	20.524	(0.055)	2649116	8.111	
97 tert-Butylbenzene	110	20.994	20.994	(0.076)	2865876	8.111	
98 1,2,4-Trimethylbenzene	106	21.047	21.047	0.077	244414.1		11
99 sec-Butylbenzene	114	21.273	21.273	0.083	3030544		11
100 4-Isopropyltoluene	112	21.447	21.447	0.08	241.64		11
101 1,3-Dichlorobenzene	146	21.413	21.413	0.07	171471		11
102 1,4-Dichlorobenzene	146	21.504	21.504	0.071	1176144		
103 1,2-Dichlorobenzene	146	22.021	22.021	0.074	1448141		11
104 Benzyl Chloride	126	21.431	21.431	0.077	451336		11
105 n-Butylbenzene	94	22.075	22.075	0.074	3144397		11
106 1,2-Dibromo-3-chloropropane	133	23.016	23.016	0.071	279471	8.111	11
107 Nitrobenzene	97	23.077	23.077	0.063	273398	8.111	11
110 1,2,4-Trichlorobenzene	180	24.149	24.149	0.113	1092333	8.111	11
111 Hexachlorobutadiene	228	24.375	24.375	0.114	511757		
112 Naphthalene	128	24.497	24.497	(0.113)	1710514	8.111	11
113 1,2,3-Trichlorobenzene	180	24.829	24.829	0.115	970573	8.111	11
S 114 Bromofluorobenzene	166	19.544	19.544	0.023	765447	15.111	11
M 115 1,2-Dichloroethane (total)	100				2481024	10.111	11
M 116 Xylene (total)	106				5350266	15.111	11

Data File: 1000110110
 Date: 23-Mar-2003 14:10
 Client ID: W6105001
 Sample Info: W6105001M
 Purge Volume: 5.0
 Column Phase: DB-624

Instrument: 6890A
 Operator: K. Arnold
 Column diameter: 0.53



Date : 23-JUN-2003 08:20

Client ID: BFB

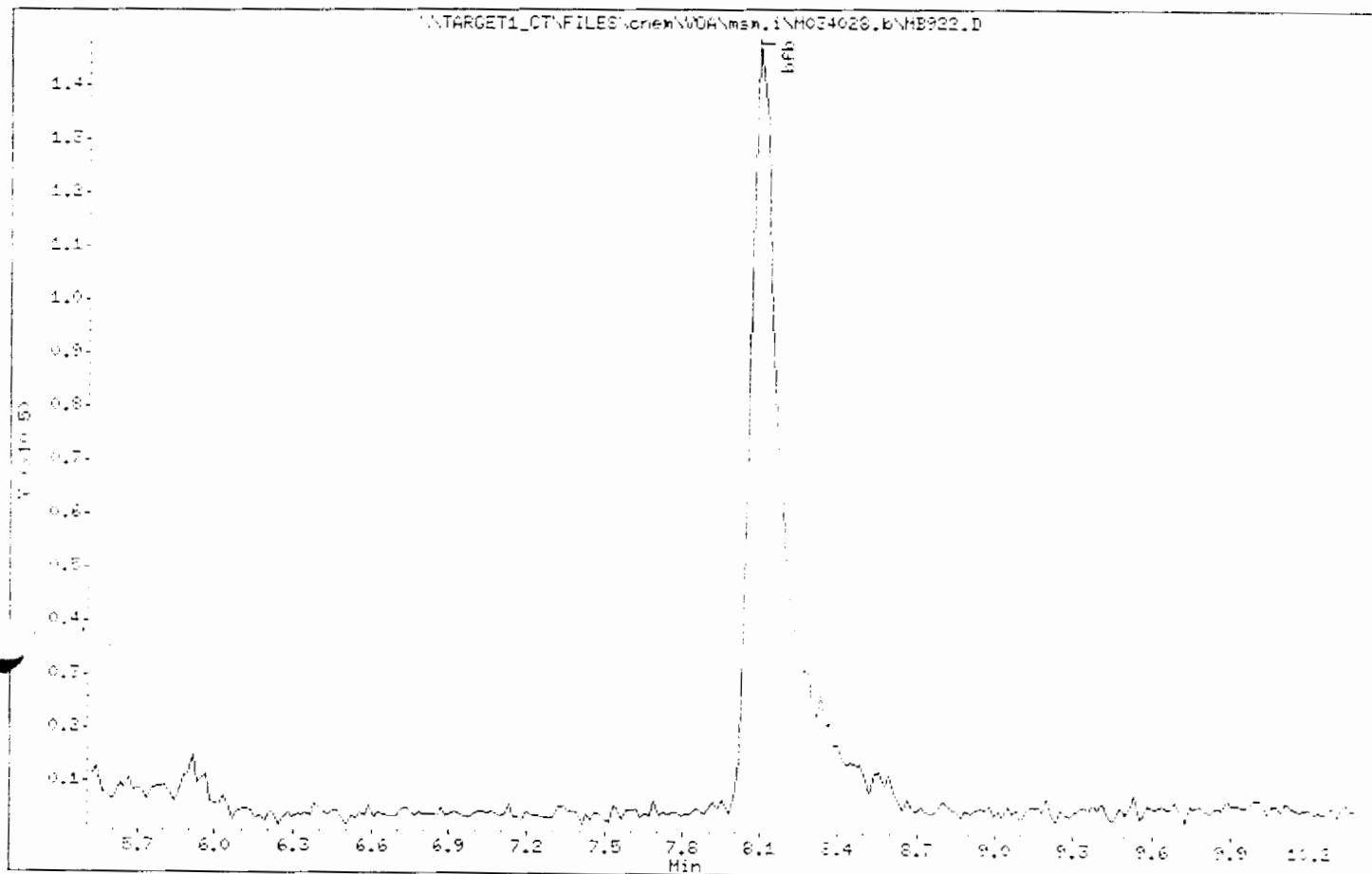
Instrument: msm.1

Sample Info: 50ng 4-BFB

Operator: L. HUNGEEPT

Column phase: DB-624

Column diameter: 0.53



V03FWRK007

Date : 22-JUN-2003 08:29

Client ID: BFB

Instrument: mm11

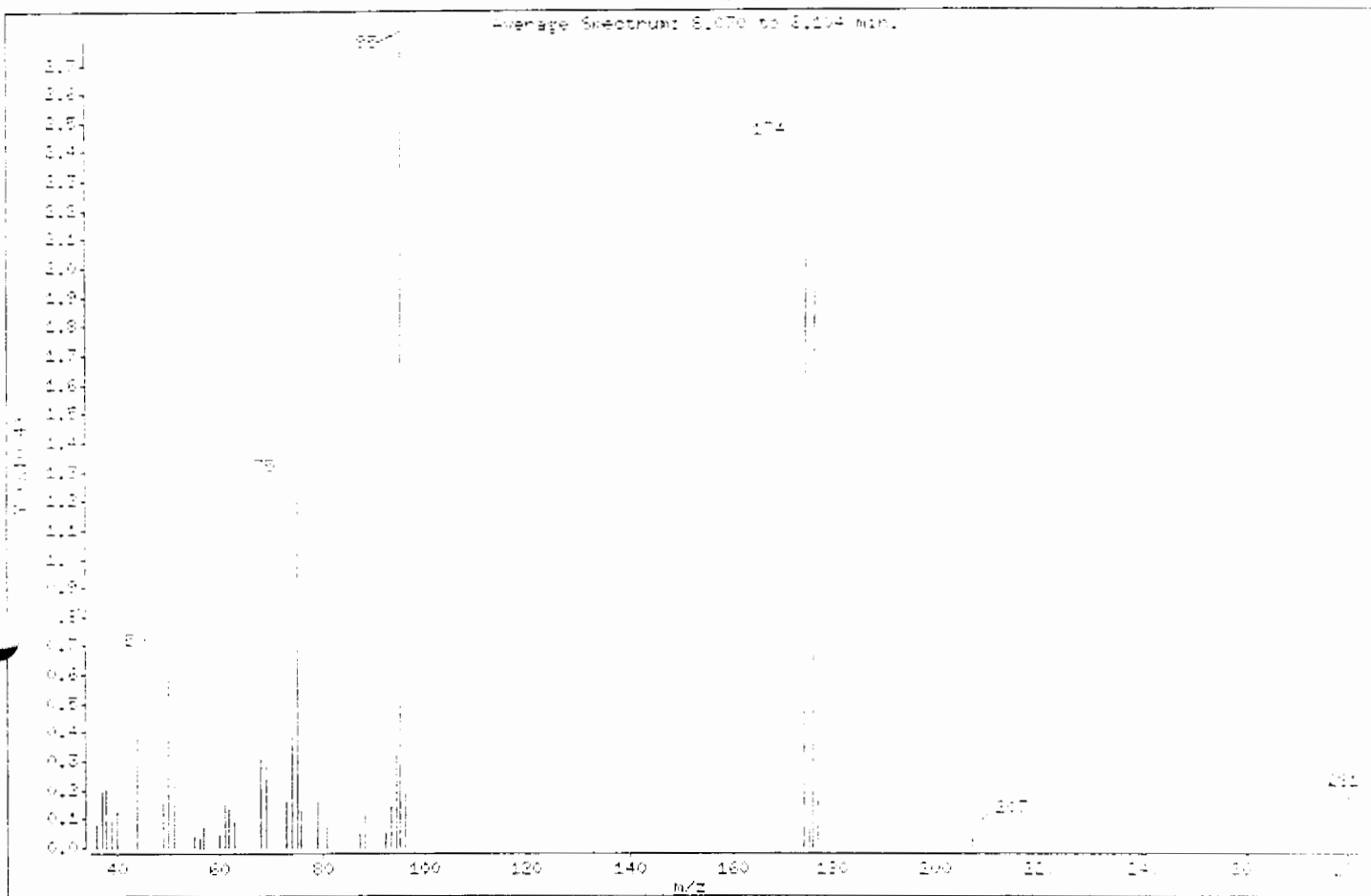
Sample Info: Surg 4-BFB

Operator: J. HUMBERT

Column Name: FB-824

Column Length: 0.55

1.000



m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	22.11
73	30.00 - 60.00% of mass 95	43.70
96	5.00 - 9.00% of mass 95	6.62
173	Less than 2.00% of mass 174	0.00 (0.00%)
174	50.00 - 100.00% of mass 95	85.14
175	5.00 - 9.00% of mass 174	6.88 (8.08%)
176	95.00 - 101.00% of mass 174	83.05 (97.55%)
177	5.00 - 9.00% of mass 176	5.77 (6.93%)

Date: 17-JUN-2007 08:20

Client ID: BFB

Instrument: msm.1

Sample Info: Sung 4-BF1

Operator: V. HUMEERT

Column phase: DB-624

Column diameter: 0.53

Data File: MB932.D

Spectrum: Average Spectrum: 8.070 to 8.104 min.

Location of Maximum: 95.00

Number of points: 37

m/z	Y	m/z	Y	m/z	Y	m/z
34.00	786	56.00	348	75.00	12163	96.00
37.00	1909	57.00	720	76.00	1232	174.00
38.00	2037	60.00	429	78.00	1231	175.00
39.00	363	61.00	1504	81.00	719	176.00
40.00	1233	62.00	1312	87.00	474	177.00
44.00	3735	63.00	908	88.00	1112	207.00
49.00	1551	68.00	3038	92.00	493	211.00
50.00	6149	69.00	2832	93.00	1736	
51.00	2185	73.00	1614	94.00	3167	
55.00	769	74.00	3845	95.00	173	

4513

Data File: C:\TARGET1\CT\FILES\chem\MOH\msm.1\0079.70.B\MS934.D

Page 1

Date : 28-JUN-2007 18:41

Client ID: BFB

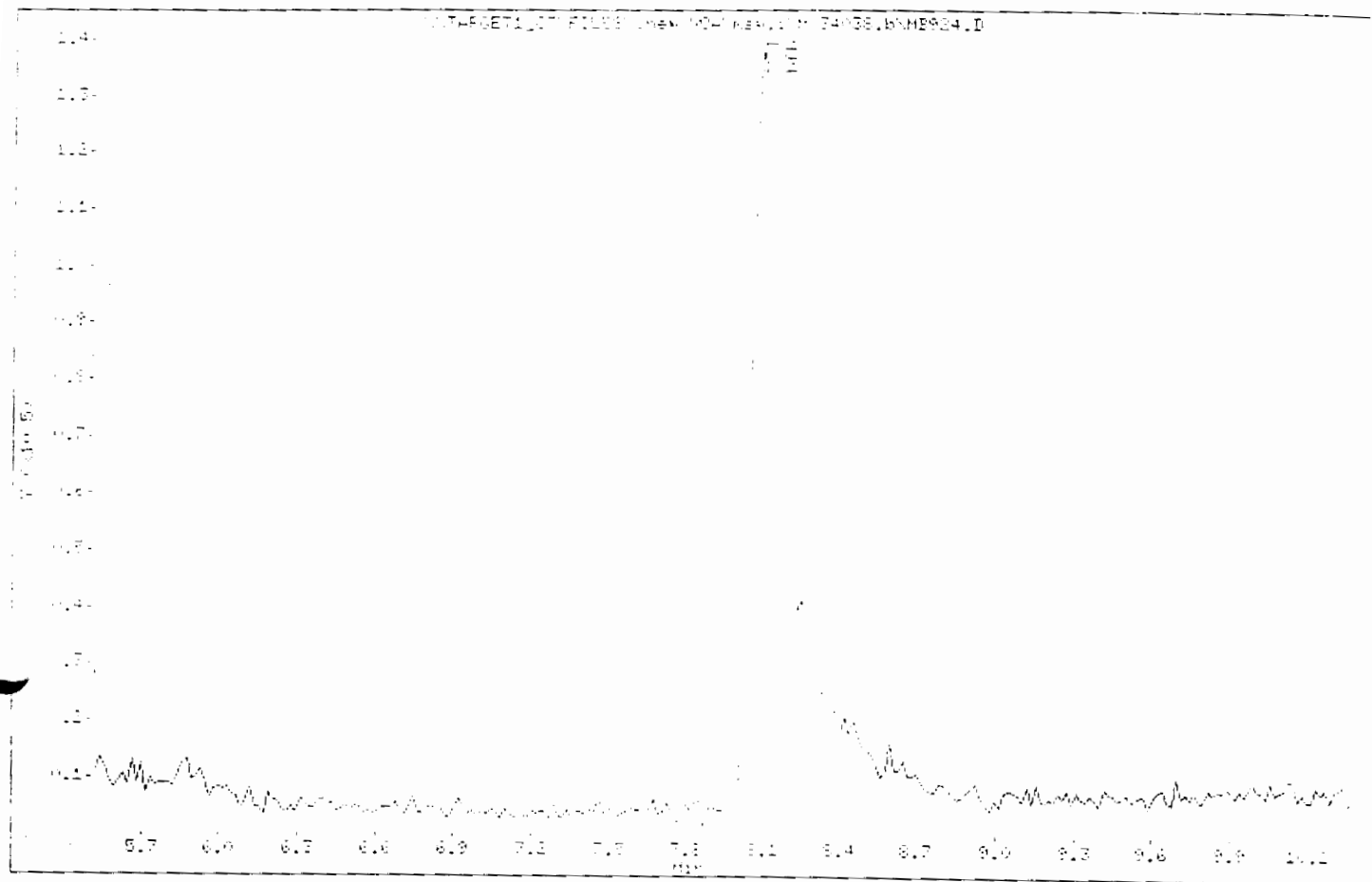
Instrument: msm.1

Sample Info: Son, 4-BFB

Operator: K. Arnold

Column name: DB-024

Column diameter: 0.53



SN= VBFWRK007
LIS VBFWRK005

PB# K071

18-05

Date : 23-JUN-2007 18:41

Client ID: EFB

Instrument: msm.1

Sample Info: Smg 4-EFB

Operator: F. Arnold

Column Name: 11-024

Column diameter: 0.157

Data File: ME024.D

Spectrum: Avg. Scans 146-148 6.07 : Est. ground Scan 141

Location of MS peak: 95.00

Number of points: 71

m/z	abundance	m/z	abundance	m/z	abundance
55.	744	56.00	400	78.00	11888
57.	1781	61.00	1878	78.00	493
78.00	1881	62.00	1456	79.00	1391
82.00	591	63.00	381	81.00	1459
84.	15	69.00	2741	87.00	1184
98.00	480	69.00	3618	88.00	939
99.00	3681	73.00	1200	97.00	1566
101.	1804	74.00	434	94.00	3179

Date : 07-JUN-2003 19:41

Client ID: BFB

Instrument: raw1

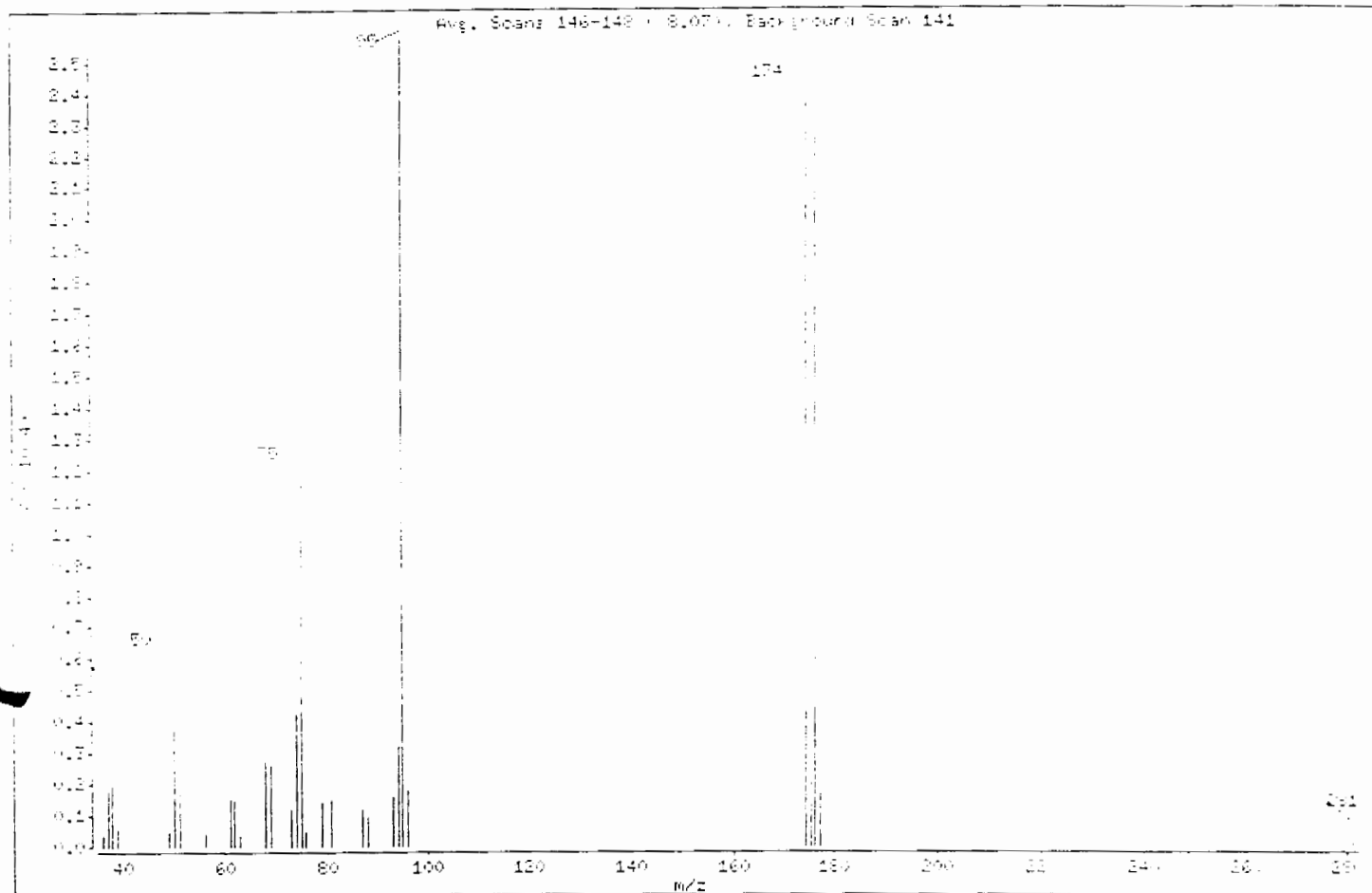
Sample Info: 50ng 4-BFB

Operator: J. Arnold

Column phase: DB-624

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	23.15
75	30.00 - 60.00% of mass 95	45.10
96	5.00 - 9.00% of mass 95	7.00
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	92.00
175	5.00 - 9.00% of mass 174	7.73 (8.40)
176	95.00 - 101.00% of mass 174	90.01 (97.83)
177	5.00 - 9.00% of mass 176	6.47 (7.19)

QUALITY CONTROL RESULTS

Job Number.: 203937

Report Date.: 06/25/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Byatt

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8260B

Equipment Code....: MSM

Analyst....: gwr

Method Description.: Volatile Organics (5mL Purge)

Batch.....: 18695

MB	Method Blank		18671 -001		06/23/2003	2022

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Conc.	* Limits
Chloromethane	ug/L	1.00	U				
Vinyl chloride	ug/L	1.00	U				
Bromomethane	ug/L	3.10	U				
Chloroethane	ug/L	0.80	U				
1,1-Dichloroethene	ug/L	0.80	U				
Carbon disulfide	ug/L	0.60	U				
Acetone	ug/L	1.90	U				
Methylene chloride	ug/L	1.02	U				
trans-1,2-Dichloroethene	ug/L	0.60	U				
1,1-Dichloroethane	ug/L	0.60	U				
Vinyl acetate	ug/L	1.50	U				
1,2-Dichloroethene	ug/L	0.60	U				
Acetone (MEK)	ug/L	1.10	U				
Chloroform	ug/L	0.40	U				
1,1,1-Trichloroethane	ug/L	0.40	U				
Carbon tetrachloride	ug/L	0.30	U				
Benzene	ug/L	0.40	U				
1,2-Dichloroethane	ug/L	0.30	U				
Trichloroethene	ug/L	0.70	U				
1,2-Dichloropropane	ug/L	0.60	U				
Bromodichloromethane	ug/L	0.60	U				
cis-1,3-Dichloropropene	ug/L	0.60	U				
4-Methyl-2-pentanone (MIBK)	ug/L	0.50	U				
Toluene	ug/L	0.30	U				
trans-1,3-Dichloropropene	ug/L	0.40	U				
1,1,2-Trichloroethane	ug/L	0.80	U				
Tetrachloroethene	ug/L	0.40	U				
2-Hexanone	ug/L	1.30	U				
Dibromochloromethane	ug/L	0.20	U				
Chlorobenzene	ug/L	0.20	U				
Ethylbenzene	ug/L	0.30	U				
Styrene	ug/L	0.40	U				
Bromoform	ug/L	0.40	U				
1,1,2,2-Tetrachloroethane	ug/L	0.70	U				
Xylenes (total)	ug/L	1.00	U				

STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\Files\chem\NIA\msm.i\M034038.b\M4039.i
Lab Smp Id: MB Client Smp ID: MB
Inj Date : 23-JUN-2003 20:22 MS Autotune Date: 19-MAR-2003 13:45
Operator : k.arnold Inst ID: msm.i
Smp Info : MB
Misc Info : : ME ;;; VBLKMF : 8260B : 1 : LIX
Comment :
Method : \\TARGET1_CT\Files\chem\NIA\msm.i\M034038.b\M4039.i
Meth Date : 23-Jun-2003 19:38 michael Quant Type: ISTD
Cal Date : 23-JUN-2003 16:23 Cal File: M4039.i
Als bottle: 35 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8.0.0.BAPPA.i
Target Version: 4.10
Processing Host: CONMSONT

Handwritten: Kca
6/23/03

Concentration Formula: Amt * DF * UF * 1/Vo * CpdVariable

Name	Value	Description
DF	1.000	Dilution Factor
UF	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged, ml
Cpd Variable		Local Compound Variable

Compounds	QUANT SIZ MASS	CONCENTRATION				CONCENTRATION	
		RT	EXP RT	REL RT	RESPONSE	CONCENTRATION	UNIT
* 1 Fluorobenzene	96	11.444	11.443	1.000	1941084	78.7107	
16 Methylene Chloride	84	6.408	6.427	0.980	21536	1.01706	
\$ 36 Dibromofluoromethane	111	9.658	9.877	0.961	832314	23.1481	11
\$ 50 1,2-Dichloroethane-d4	68	10.573	10.592	0.924	501238	2.01488	
* 68 Chlorobenzene-d5	117	17.699	17.701	1.000	1402364	28.0000	
\$ 70 Toluene-d8	98	14.912	14.913	0.942	1527023	11.0320	10
* 87 1,4-Dichlorobenzene-d4	152	21.818	21.800	1.000	617147	38.0000	
\$ 114 Bromofluorobenzene	95	19.860	19.844	0.923	723599	10.0000	10

Data File: N141621.D
Date: 23-Jul-2002

Client ID: 116

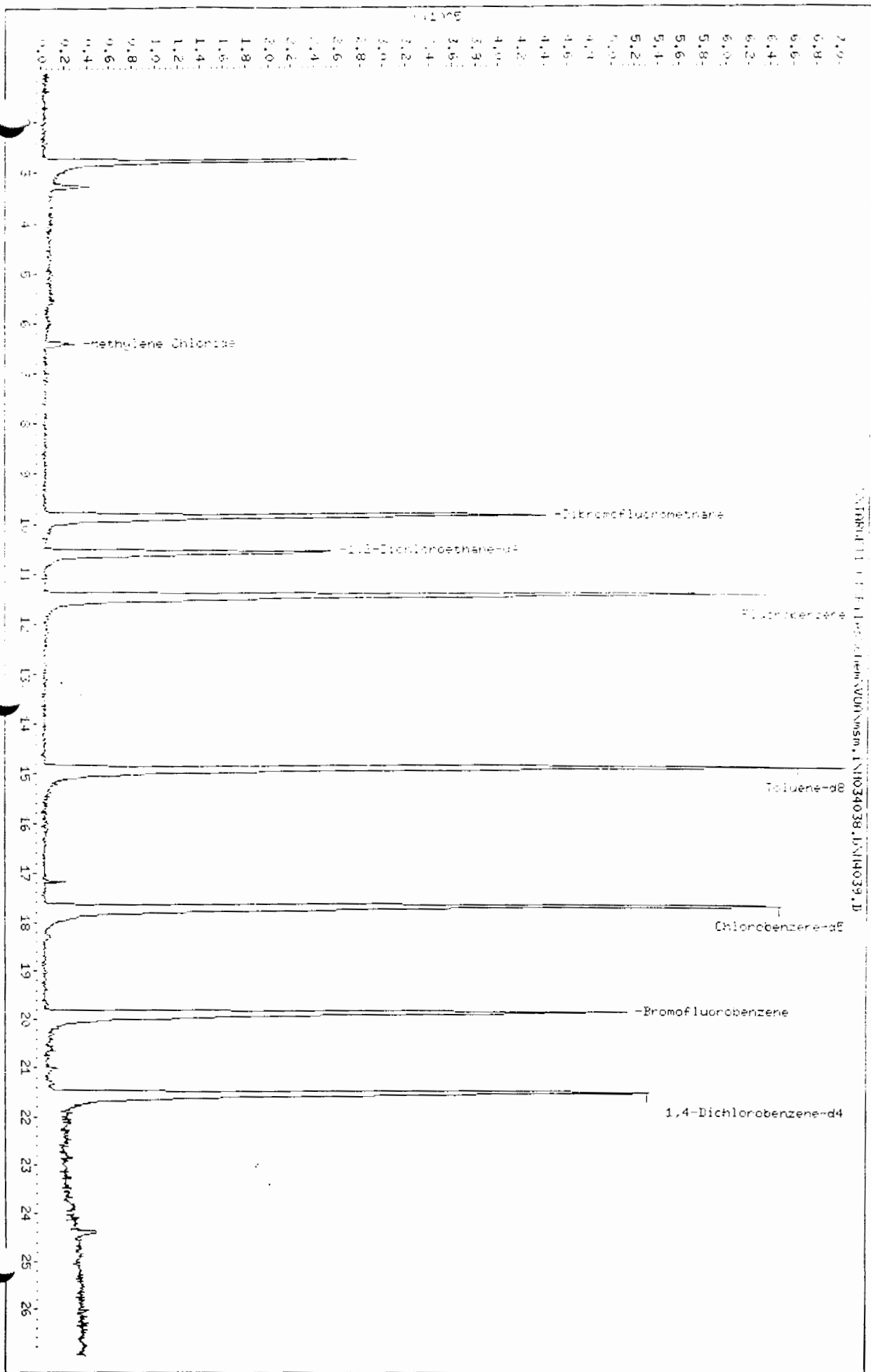
Sample Info: 11B

Purge Volume: 5.0

Column phase: 10% C₁₈

Intercept: 0.50, 1

Upplysningen: En ny värld

Column chromatography: C₁₈B3

Date : 23-JUN-2003 20:22

Client ID: MB

Instrument: msm.1

Sample Info: MB

Purge Volume: 5.0

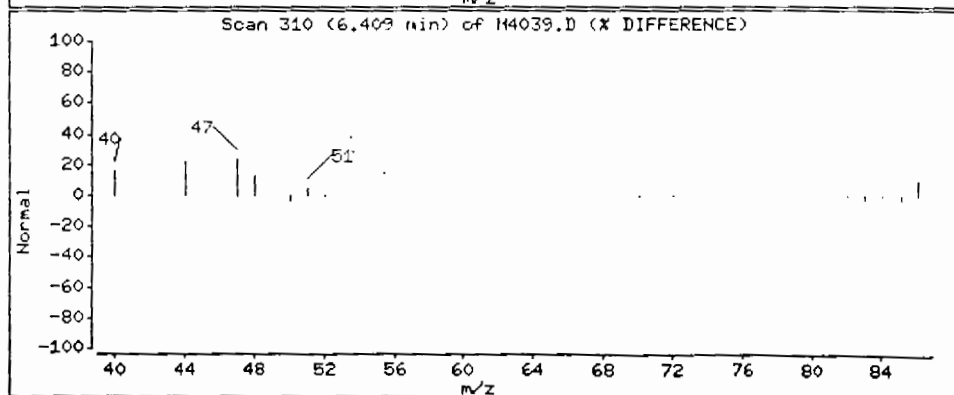
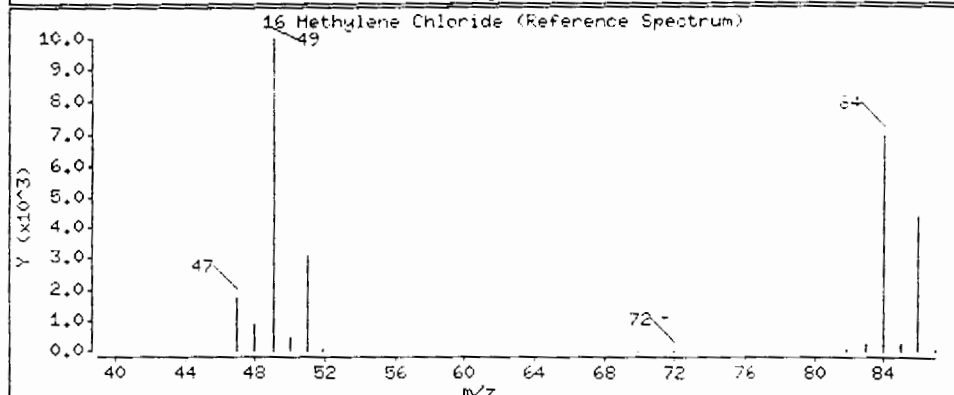
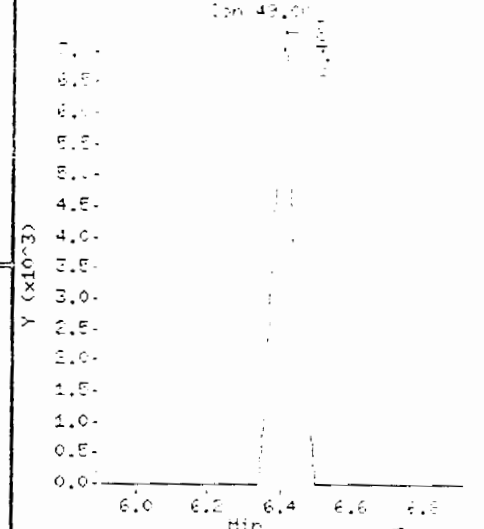
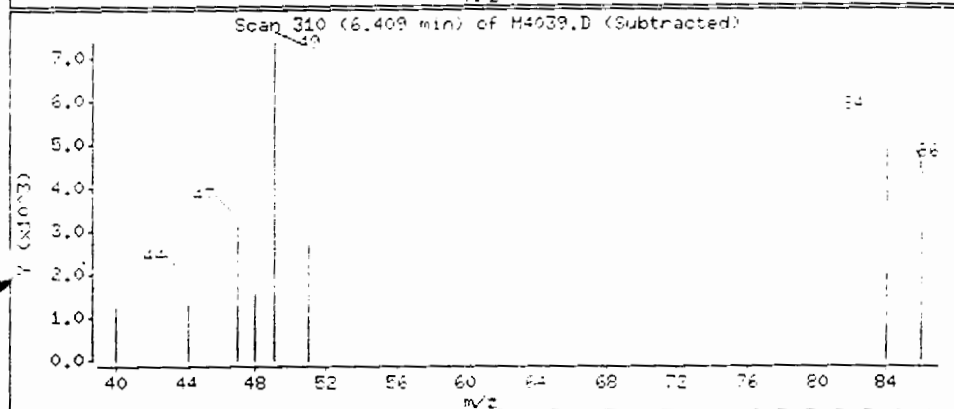
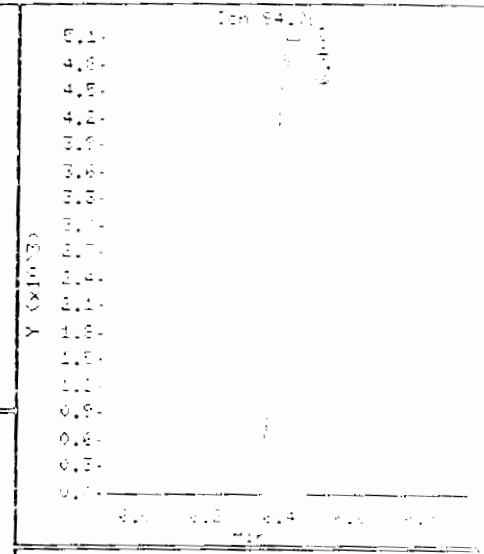
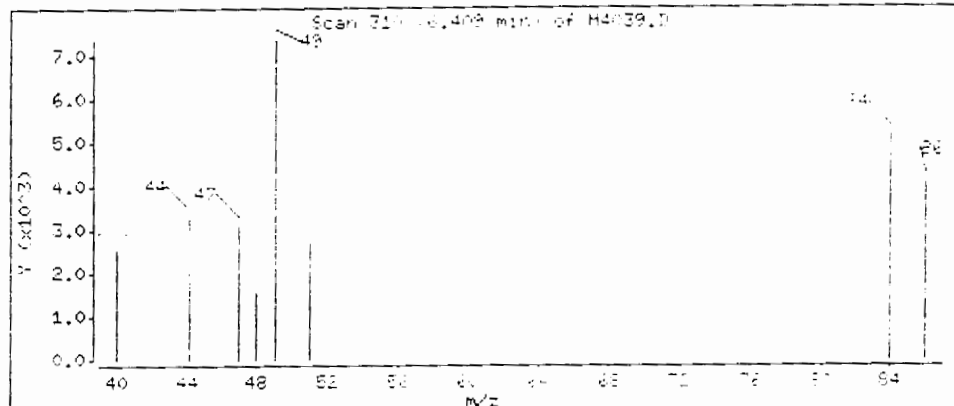
Operator: kiarhold

Column phase: DB-624

Column diameter: 0.53

16 Methylene Chloride

Concentration: 1 ug/L



STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\\Files\\chem\\VOA\\msm.i\\M034038.b M4040.D
Lab Smp Id: LCSV03FWRK005 Client Smp ID: LCSV03FWRK005
Inj Date : 23-JUN-2003 21:13 MS Autotune Date: 19-MAR-2003 13:35
Operator : k.arnold Inst ID: msm.i
Smp Info : LCSV03FWRK005
Misc Info : : LCS;;; 20ppbQCS ; 8260B ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\\Files\\chem\\VOA\\msm.i\\M034038.b M8260BFW.m
Meth Date : 23-JUN-2003 19:38 michael Quant Type: ISTD
Cal Date : 23-JUN-2003 16:23 Cal File: M41001
Als bottle: 35 GC Sample: 1
Dil Factor: 1.000000
Integrator: HP RTE Compound Sublist: H40BAP9.sub
Target Version: 4.10
Processing Host: CONMSONT

Concentration Formula: Amt * DF * UF * 1/Vo * SpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
UF	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged, ml
Spnd Variable		Local Compound Variable

Compounds	TURNT SEC MASS	CONCENTRATIONS				CONCENTRATIONS	
		RT	EXP RT	REL RT	RESPONSE	INITIAL	FINAL
1 Fluorobenzene	96	11.468	11.443	(1.000)	1748735	18.1001	
2 Dichlorodifluoromethane	88	3.035	3.047	(1.265)	479544	11.4211	33
3 Chloromethane	50	3.331	3.326	(0.290)	339127	31.7018	31
4 Vinyl Chloride	42	3.483	3.483	(0.304)	349737	31.4184	31
5 Bromomethane	94	3.993	3.971	(0.348)	300451	27.4444	28
6 Chloroethane	64	4.167	4.162	(0.363)	203868	21.4047	22
7 Trichlorofluoromethane	101	4.655	4.650	(0.406)	551416	17.1877	17
8 Ethyl Ether	45	5.178	5.173	(0.452)	283582	14.2113	18 (M)
9 Freon 141	81	5.108	5.084	(0.445)	549621	13.1423	13
10 Freon 123a	67	5.230	5.225	(0.456)	118517	16.5257	17
11 Trichlorotrifluoroethane	101	5.614	5.626	(0.490)	540727	19.3039	19
12 1,1-Dichloroethene	96	5.561	5.574	(0.485)	223704	14.4647	15
13 Carbon Disulfide	76	5.979	5.974	(0.521)	650303	15.6948	16
14 Iodomethane	142	5.823	5.818	(0.508)	507867	15.2064	16
15 3-Chloro-1-Propene	41	6.223	6.218	(0.543)	536127	14.5648	15
16 Methylene Chloride	84	6.432	6.427	(0.551)	323194	17.1471	17
17 Acetone	43	5.614	5.608	(0.490)	128365	25.2971	25
18 trans-1,2-Dichloroethene	96	7.008	7.020	(0.611)	298449	13.0796	15
19 Methyl tert-Butyl Ether	73	7.077	7.090	(0.617)	965915	18.8140	19
21 tert-Butyl alcohol	59	6.711	6.724	(0.585)	97721	78.5643	77
22 Methyl Acetate	43	7.077	7.090	(0.617)	246366	18.6993	19
23 Acetonitrile	41	7.060	7.072	(0.616)	279625	167.707	190

Compounds	COUNT S13	RT	EXT RT	REL RT	RESPONSE	CONCENTRATION	
						ON-COLUMN	FINAL
	AREA					10/L	10/L
36 Acrylonitrile	61	6.833	6.828	1.0000	131100	16.4104	16
41 1,1-Dichloroethane	63	7.790	7.786	1.0000	734400	17.2107	17
37 cis-1,2-Dichloroethene	94	8.942	8.919	1.0000	377691	17.2107	17
41 1,2-Dichloropropane	77	8.942	8.934	1.0000	899183	17.2107	17
32 Bromochloromethane	128	9.160	9.172	1.0000	235048	18.7662	18
33 Chloroform	81	9.561	9.546	1.0000	734198	18.8669	18
34 Ethyl Acetate	41	9.174	9.173	1.0000	44844	21.6037	21
35 Methyl Acrylate	43	9.186	9.196	1.0000	331101	21.6104	21
38 Dibromochloromethane	111	9.568	9.577	1.0000	745901	21.6104	21
37 Tetrachlorofuran	42	9.551	9.546	1.0000	181864	21.6104	21
41 1,1,1-Trichloroethane	77	10.018	10.009	1.0000	42647	21.6104	21
39 Carbon Tetrachloride	107	10.408	10.400	1.0000	549101	21.6104	21
41 2-Ethanone	43	8.959	8.954	1.0000	191181	24.1473	24
41 1,1-Dichloropropene	75	10.370	10.365	1.0000	458757	27.2014	27
42 Cyclohexane	19	10.114	10.101	1.0000	403507	27.2014	27
45 1-Chlorobutane	64	10.214	10.209	1.0000	1401156	27.2014	27
38 Propionitrile	43	8.978	8.971	1.0000	144454	27.2014	27
37 Isobutyl Alcohol	41	10.190	10.191	1.0000	103870	27.2014	27
41 Hexanol	7	10.517	10.518	1.0000	103870	27.2014	27
37 1-Methyl-2-pyrrolidone	41	8.915	8.920	1.0000	103870	27.2014	27
37 1,1,1-Trichloroethane-d3	41	10.397	10.390	1.0000	459971	27.2014	27
41 1,2-Dichloroethane	42	10.771	10.766	1.0000	409014	27.2014	27
39 Methyl Cyclopentane	43	10.448	10.437	1.0000	481641	27.2014	27
36 Dichloroethane	107	10.330	10.334	1.0000	403837	27.2014	27
38 Dibromomethane	43	10.384	10.374	1.0000	147431	27.2014	27
38 1,2-Dichloropropane	43	12.788	12.780	1.0000	806104	28.1303	28
39 Bromodichloromethane	43	13.350	13.345	1.0000	723146	28.1303	28
40 Methyl Methacrylate	43	13.089	13.084	1.0000	589613	28.6773	28
43 cis-1,3-Dichloropropane	73	14.308	14.301	1.0000	687898	27.5401	27
64 2-Nitropropane	41	13.768	13.746	1.0000	190767	34.1103	34
65 Chloroacetonitrile	43	13.786	13.798	1.0000	176363	309.895	310
66 trans-1,3-Dichloropropene	75	15.408	15.401	1.0000	573967	27.8954	27
67 1,1,2-Trichloroethane	41	15.758	15.750	1.0000	428160	28.4423	28
68 Chlorobenzene-d3	111	17.689	17.701	1.0000	1273715	28.1001	28
69 Toluene	91	15.040	15.035	1.0000	1260078	28.6660	28
70 Toluene-d8	94	14.901	14.913	1.0000	1414600	28.6574	28
71 1,1-Dichloro-2-propanone	43	14.639	14.634	1.0000	1429403	28.4646	28
72 4-Methyl-2-Pentanone	55	14.639	14.652	1.0000	132760	27.0538	27
73 Tetrachloroethene	164	16.138	16.150	1.0000	378570	27.7576	27
74 Ethyl Methacrylate	69	15.668	15.680	1.0000	371085	28.9743	28
75 Dibromochloromethane	129	16.521	16.534	1.0000	634950	27.7537	27
76 1,3-Dichloropropane	76	16.068	16.081	1.0000	672255	27.1652	27
77 1,2-Dibromoethane	107	16.730	16.743	1.0000	542183	27.1785	27
78 2-Hexanone	43	16.295	16.290	1.0000	294635	22.0829	22
79 1-Chlorohexane	91	17.741	17.736	1.0000	568311	20.0983	20
80 Chlorobenzene	112	17.758	17.771	1.0000	1124711	19.5562	20
81 1,1,1,2-Tetrachloroethane	131	17.915	17.910	1.0000	539938	20.7295	21
82 Ethylbenzene	106	18.020	18.015	1.0000	580636	28.4431	28
83 Xylene (total)mp	106	18.264	18.276	1.0000	1485422	35.3841	35
84 Xylene (total)c	106	18.996	19.008	1.0000	721921	19.7922	20
85 Styrene	104	19.013	19.025	1.0000	1081443	19.1555	19
86 Bromoform	173	19.292	19.287	1.0000	431172	19.6829	20
87 1,4-Dichlorobenzene-d4	152	21.505	21.500	1.0000	675018	25.0000	25
88 Isopropylbenzene	105	19.623	19.635	1.0000	1619108	28.3244	28

[illegible]



Figure 1. Schematic representation of the experimental design. The subjects were divided into two groups: the control group and the experimental group. The control group received a placebo, while the experimental group received a 10% solution of the active ingredient. The subjects were then subjected to a series of tests to measure their response to the treatment.

7. *Journal of the American Statistical Association*, 92(439), 1029-1038.

[illegible]

Table 1. *Continued*

[illegible]

Compound	Wavenumber	Intensity	Wavenumber	Intensity	Wavenumber	Intensity	Wavenumber	Intensity
1. Fluorobenzene	1030	100	1030	100	1030	100	1030	100
2. Dichlorodifluoromethane	1030	100	1030	100	1030	100	1030	100
3. Chloromethane	1030	100	1030	100	1030	100	1030	100
4. Vinyl Chloride	1030	100	1030	100	1030	100	1030	100
5. Bromomethane	1030	100	1030	100	1030	100	1030	100
6. Chloroethane	1030	100	1030	100	1030	100	1030	100
7. Trichlorofluoromethane	1030	100	1030	100	1030	100	1030	100
8. Ethyl Ether	1030	100	1030	100	1030	100	1030	100
9. Freon 12	1030	100	1030	100	1030	100	1030	100
10. Freon 123a	1030	100	1030	100	1030	100	1030	100
11. Trichlorotrifluoroethane	1030	100	1030	100	1030	100	1030	100
12. 1,1-Dichloroethane	1030	100	1030	100	1030	100	1030	100
13. Carbon Disulfide	1030	100	1030	100	1030	100	1030	100
14. Iodomethane	1030	100	1030	100	1030	100	1030	100
15. 3-Chloro-1-Propene	1030	100	1030	100	1030	100	1030	100
16. Methylene Chloride	1030	100	1030	100	1030	100	1030	100
17. Acetone	1030	100	1030	100	1030	100	1030	100
18. trans-1,2-Dichloroethene	1030	100	1030	100	1030	100	1030	100
19. Methyl tert-Butyl Ether	1030	100	1030	100	1030	100	1030	100
20. Acrolein	1030	100	1030	100	1030	100	1030	100
21. tert-Butyl alcohol	1030	100	1030	100	1030	100	1030	100
22. Methyl Acetate	1030	100	1030	100	1030	100	1030	100
23. Acetonitrile	1030	100	1030	100	1030	100	1030	100

[illegible]

Compounds	NORTH AMERICA				ORIENTAL, 1990	
	1970	1975	1980	1985	1990	1995
1 Acrylonitrile	100	100	100	100	100	100
2 2-Chloro-1,1-dichloroethane	100	100	100	100	100	100
3 1,1,2-Trichloroethane	100	100	100	100	100	100
4 Methyl Acetate	100	100	100	100	100	100
5 cis-1,2-Dichloroethane	100	100	100	100	100	100
6 1,1,2-Trichloropropane	100	100	100	100	100	100
7 Bromochloromethane	100	100	100	100	100	100
8 Methyl Chloride	100	100	100	100	100	100
9 Methyl Acrylate	100	100	100	100	100	100
10 Dichlorodifluoromethane	100	100	100	100	100	100
11 Tetrahydrofuran	100	100	100	100	100	100
12 1,1,1-Trichloroethane	100	100	100	100	100	100
13 1,1,2,2-Tetrachloroethane	100	100	100	100	100	100
14 Chloroform	100	100	100	100	100	100
15 1,1,1-Trichloroethane	100	100	100	100	100	100
16 1,1,2-Trichloroethane	100	100	100	100	100	100
17 1,1,2-Trichloropropane	100	100	100	100	100	100
18 1,1,2-Trichloroethane	100	100	100	100	100	100
19 1,1,2-Trichloroethane	100	100	100	100	100	100
20 1,1,2-Trichloroethane	100	100	100	100	100	100
21 1,1,2-Trichloroethane	100	100	100	100	100	100
22 1,1,2-Trichloroethane	100	100	100	100	100	100
23 1,1,2-Trichloroethane	100	100	100	100	100	100
24 1,1,2-Trichloroethane	100	100	100	100	100	100
25 1,1,2-Trichloroethane	100	100	100	100	100	100
26 1,1,2-Trichloroethane	100	100	100	100	100	100
27 1,1,2-Trichloroethane	100	100	100	100	100	100
28 1,1,2-Trichloroethane	100	100	100	100	100	100
29 1,1,2-Trichloroethane	100	100	100	100	100	100
30 1,1,2-Trichloroethane	100	100	100	100	100	100
31 1,1,2-Trichloroethane	100	100	100	100	100	100
32 1,1,2-Trichloroethane	100	100	100	100	100	100
33 1,1,2-Trichloroethane	100	100	100	100	100	100
34 1,1,2-Trichloroethane	100	100	100	100	100	100
35 1,1,2-Trichloroethane	100	100	100	100	100	100
36 1,1,2-Trichloroethane	100	100	100	100	100	100
37 1,1,2-Trichloroethane	100	100	100	100	100	100
38 1,1,2-Trichloroethane	100	100	100	100	100	100
39 1,1,2-Trichloroethane	100	100	100	100	100	100
40 1,1,2-Trichloroethane	100	100	100	100	100	100
41 1,1,2-Trichloroethane	100	100	100	100	100	100
42 1,1,2-Trichloroethane	100	100	100	100	100	100
43 1,1,2-Trichloroethane	100	100	100	100	100	100
44 1,1,2-Trichloroethane	100	100	100	100	100	100
45 1,1,2-Trichloroethane	100	100	100	100	100	100
46 1,1,2-Trichloroethane	100	100	100	100	100	100
47 1,1,2-Trichloroethane	100	100	100	100	100	100
48 1,1,2-Trichloroethane	100	100	100	100	100	100
49 1,1,2-Trichloroethane	100	100	100	100	100	100
50 1,1,2-Trichloroethane	100	100	100	100	100	100
51 1,1,2-Trichloroethane	100	100	100	100	100	100
52 1,1,2-Trichloroethane	100	100	100	100	100	100
53 1,1,2-Trichloroethane	100	100	100	100	100	100
54 1,1,2-Trichloroethane	100	100	100	100	100	100
55 1,1,2-Trichloroethane	100	100	100	100	100	100
56 1,1,2-Trichloroethane	100	100	100	100	100	100
57 1,1,2-Trichloroethane	100	100	100	100	100	100
58 1,1,2-Trichloroethane	100	100	100	100	100	100
59 1,1,2-Trichloroethane	100	100	100	100	100	100
60 1,1,2-Trichloroethane	100	100	100	100	100	100
61 1,1,2-Trichloroethane	100	100	100	100	100	100
62 1,1,2-Trichloroethane	100	100	100	100	100	100
63 1,1,2-Trichloroethane	100	100	100	100	100	100
64 1,1,2-Trichloroethane	100	100	100	100	100	100
65 1,1,2-Trichloroethane	100	100	100	100	100	100
66 1,1,2-Trichloroethane	100	100	100	100	100	100
67 1,1,2-Trichloroethane	100	100	100	100	100	100
68 1,1,2-Trichloroethane	100	100	100	100	100	100
69 1,1,2-Trichloroethane	100	100	100	100	100	100
70 1,1,2-Trichloroethane	100	100	100	100	100	100
71 1,1,2-Trichloroethane	100	100	100	100	100	100
72 1,1,2-Trichloroethane	100	100	100	100	100	100
73 1,1,2-Trichloroethane	100	100	100	100	100	100
74 1,1,2-Trichloroethane	100	100	100	100	100	100
75 1,1,2-Trichloroethane	100	100	100	100	100	100
76 1,1,2-Trichloroethane	100	100	100	100	100	100
77 1,1,2-Trichloroethane	100	100	100	100	100	100
78 1,1,2-Trichloroethane	100	100	100	100	100	100
79 1,1,2-Trichloroethane	100	100	100	100	100	100
80 1,1,2-Trichloroethane	100	100	100	100	100	100
81 1,1,2-Trichloroethane	100	100	100	100	100	100
82 Ethylbenzene	100	100	100	100	100	100
83 Xylene (total)mp	100	100	100	100	100	100
84 Xylene (total)c	100	100	100	100	100	100
85 Styrene	100	100	100	100	100	100

QC Head - Legend

100% H_2SO_4 /Sulfonated Polymers 100% H_2SO_4 Recovery 100% H_2SO_4

Figure 1 is a schematic representation of the experimental design. It shows a sequence of events: Pretest, Training, and Transfer. Each event has a corresponding 'Pretest' and 'Posttest' label. Arrows indicate the flow from Pretest to Training to Transfer. A legend indicates that 'Pretest' and 'Posttest' are represented by boxes with diagonal lines, and 'Training' and 'Transfer' are represented by solid black boxes.

[illegible]

Figure 1. Schematic representation of the *hsp70* gene structure and the position of the primers used for RT-PCR. The *hsp70* gene structure is shown with exons as boxes and introns as lines. The primers used for RT-PCR are indicated by arrows. The primers used for Northern blot analysis are indicated by asterisks. The primers used for Southern blot analysis are indicated by triangles.

[illegible]

Compound	WWT	ST	10 ST	50 ST	RESPONSE	WWT	ST
1 Fluorobenzene	20	10.40	1.00	1.00	100000	10.40	1.00
2 Dichlorodifluoromethane	20	10.40	1.00	1.00	100000	10.40	1.00
3 Chlorobenzene	20	10.40	1.00	1.00	100000	10.40	1.00
4 Vinyl Chloride	20	10.40	1.00	1.00	100000	10.40	1.00
5 Bromobenzene	20	10.40	1.00	1.00	100000	10.40	1.00
6 Chloroethane	20	10.40	1.00	1.00	100000	10.40	1.00
7 Trichlorofluoromethane	10	4.80	0.40	0.40	100000	4.80	0.40
8 Ethyl Ether	40	8.00	0.80	0.80	100000	8.00	0.80
9 Freon 12	20	10.40	1.00	1.00	100000	10.40	1.00
10 Freon 113a	20	10.40	1.00	1.00	100000	10.40	1.00
11 Trichlorotrifluoroethane	10	4.80	0.40	0.40	100000	4.80	0.40
12 1,1-Dichloroethane	20	10.40	1.00	1.00	100000	10.40	1.00
13 Carbon Disulfide	20	10.40	1.00	1.00	100000	10.40	1.00
14 Iodomethane	10	4.80	0.40	0.40	100000	4.80	0.40
15 3-Chloro-1-Propene	40	8.00	0.80	0.80	100000	8.00	0.80
16 Methylene Chloride	20	10.40	1.00	1.00	100000	10.40	1.00
17 Acetone	40	8.00	0.80	0.80	100000	8.00	0.80
18 trans-1,2-Dichloroethane	20	10.40	1.00	1.00	100000	10.40	1.00
19 Methyl tert-Butyl Ether	20	10.40	1.00	1.00	100000	10.40	1.00
20 Aniline	20	10.40	1.00	1.00	100000	10.40	1.00
21 tert-Butyl alcohol	20	10.40	1.00	1.00	100000	10.40	1.00
22 Methyl Acetate	40	8.00	0.80	0.80	100000	8.00	0.80
23 Acetonitrile	40	8.00	0.80	0.80	100000	8.00	0.80

Compounds	MW	RT	MW - 1	REL RT	RESPONSE	CONCENTRATION	
						ORIGINAL	FINAL
10 Bromobenzene	157	14.311	156	1.000	1449	14.311	14.311
11 1,4-Dichlorobenzene-R	146	14.414	145	1.014	1449	14.414	14.414
12 Isopropylbenzene	106	14.514	105	1.014	1449	14.514	14.514
13 1,1,1-Trichloroethane	131	14.614	130	1.014	1449	14.614	14.614
14 Bromobenzene	157	14.714	156	1.014	1449	14.714	14.714
15 1,1,1-Trichloroethane	131	14.814	130	1.014	1449	14.814	14.814
16 trans-1,4-Dichlorobenzene	146	14.914	145	1.014	1449	14.914	14.914
17 n-Propylbenzene	126	15.014	125	1.014	1449	15.014	15.014
18 1,2-Dichlorobenzene	146	15.114	145	1.014	1449	15.114	15.114
19 1,4-Dichlorobenzene	146	15.214	145	1.014	1449	15.214	15.214
20 1,1,1-Trichloroethane	131	15.314	130	1.014	1449	15.314	15.314
21 sec-Butylbenzene	134	15.414	133	1.014	1449	15.414	15.414
22 1,1,1-Trichloroethane	131	15.514	130	1.014	1449	15.514	15.514
23 sec-Butylbenzene	134	15.614	133	1.014	1449	15.614	15.614
24 1,1,1-Trichloroethane	131	15.714	130	1.014	1449	15.714	15.714
25 1,1,1-Trichloroethane	131	15.814	130	1.014	1449	15.814	15.814
26 1,1,1-Trichloroethane	131	15.914	130	1.014	1449	15.914	15.914
27 Benzyl Chloride	126	16.014	125	1.014	1449	16.014	16.014
28 n-Butylbenzene	134	16.114	133	1.014	1449	16.114	16.114
29 1,2-Dichloroethane	98	16.214	97	1.014	1449	16.214	16.214
30 Nitrobenzene	123	16.314	122	1.014	1449	16.314	16.314
101 1,1,1-Trichloroethane	131	16.414	130	1.014	1449	16.414	16.414
102 Hexachlorocyclopentadiene	254	16.514	253	1.014	1449	16.514	16.514
103 Naphthalene	128	16.614	127	1.014	1449	16.614	16.614
104 1,1,1-Trichloroethane	131	16.714	130	1.014	1449	16.714	16.714
105 Bromobenzene	157	16.814	156	1.014	1449	16.814	16.814
M 106 1,4-Dichlorobenzene total	146	16.914	145	1.014	1449	16.914	16.914
M 106 Xylene total	106	17.014	105	1.014	1449	17.014	17.014

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
 H - Operator selected an alternate compound hit.



Peak 1: 1,1,1-Trichloroethane
Peak 2: 1,1,2-Trichloroethane
Peak 3: 1,1,2-Trichloroethane
Peak 4: 1,1,2-Trichloroethane
Peak 5: 1,1,2-Trichloroethane
Peak 6: 1,1,2-Trichloroethane
Peak 7: 1,1,2-Trichloroethane
Peak 8: 1,1,2-Trichloroethane
Peak 9: 1,1,2-Trichloroethane
Peak 10: 1,1,2-Trichloroethane
Peak 11: 1,1,2-Trichloroethane
Peak 12: 1,1,2-Trichloroethane
Peak 13: 1,1,2-Trichloroethane
Peak 14: 1,1,2-Trichloroethane
Peak 15: 1,1,2-Trichloroethane
Peak 16: 1,1,2-Trichloroethane
Peak 17: 1,1,2-Trichloroethane
Peak 18: 1,1,2-Trichloroethane
Peak 19: 1,1,2-Trichloroethane
Peak 20: 1,1,2-Trichloroethane
Peak 21: 1,1,2-Trichloroethane
Peak 22: 1,1,2-Trichloroethane
Peak 23: 1,1,2-Trichloroethane
Peak 24: 1,1,2-Trichloroethane
Peak 25: 1,1,2-Trichloroethane
Peak 26: 1,1,2-Trichloroethane

Peak 27: 1,1,2-Trichloroethane
Peak 28: 1,1,2-Trichloroethane
Peak 29: 1,1,2-Trichloroethane
Peak 30: 1,1,2-Trichloroethane
Peak 31: 1,1,2-Trichloroethane
Peak 32: 1,1,2-Trichloroethane
Peak 33: 1,1,2-Trichloroethane
Peak 34: 1,1,2-Trichloroethane
Peak 35: 1,1,2-Trichloroethane
Peak 36: 1,1,2-Trichloroethane
Peak 37: 1,1,2-Trichloroethane
Peak 38: 1,1,2-Trichloroethane
Peak 39: 1,1,2-Trichloroethane
Peak 40: 1,1,2-Trichloroethane
Peak 41: 1,1,2-Trichloroethane
Peak 42: 1,1,2-Trichloroethane
Peak 43: 1,1,2-Trichloroethane
Peak 44: 1,1,2-Trichloroethane
Peak 45: 1,1,2-Trichloroethane
Peak 46: 1,1,2-Trichloroethane
Peak 47: 1,1,2-Trichloroethane
Peak 48: 1,1,2-Trichloroethane
Peak 49: 1,1,2-Trichloroethane
Peak 50: 1,1,2-Trichloroethane

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Vegetative Response SW-846 Method 8260E

[illegible][illegible][illegible]

						CONCENTRATION	
Compounds	MW	CALC. RT			RESPONSE	INITIAL	FINAL
		RT	RT	RT		RT	RT
=====		=====	=====	=====	=====	=====	=====
1 Fluorobenzene	98	11.411	11.403	1.001	10884614	58.1177	
2 Dichlorodifluoromethane	100	8.111	8.147	0.036	7978444	60.1778	11
3 Chloromethane	50	8.117	8.110	0.007	4878881	58.1843	
4 Vinyl Chloride	62	7.466	7.461	0.006	4883471	18.1311	1
5 Bromomethane	94	8.117	8.171	0.054	3419447	40.1830	11
6 Chloroethane	64	8.113	8.110	0.003	4117777	51.1749	1
7 Trichlorodifluoromethane	112	8.837	8.857	0.020	1142341	60.1717	14
8 Ethyl Ether	74	8.111	8.111	0.000	4241118	58.1711	88 M
9 Freon 141	112	8.131	8.111	0.020	1143434	60.1717	87
10 Freon 121a	112	8.111	8.111	0.000	1137771	58.1711	89
11 Trichlorotrifluoroethane	130	8.878	8.878	0.000	3683431	17.1711	41
12 1,1-Dichloroethane	96	8.823	8.874	0.051	563311	51.1717	11
13 Carbon Disulfide	76	8.111	8.111	0.000	4681431	54.1778	11
14 Iodomethane	142	8.744	8.711	0.033	1107331	48.1831	41
15 3-Chloro-1-Propene	61	8.111	8.111	0.000	1130341	51.1831	1
16 Methylene Chloride	84	8.174	8.117	0.057	680177	51.1741	81
17 Acetone	58	8.888	8.811	0.077	174551	48.1741	48
18 trans-1,2-Dichloroethane	96	8.843	8.821	0.022	761331	51.1741	83
19 Methyl tert-Butyl Ether	73	7.036	7.036	0.000	2117311	37.1741	87
20 Acrolein	58	8.289	8.311	0.022	418737	51.1741	611
21 tert-Butyl alcohol	59	8.670	8.734	0.064	235444	51.1831	121
22 Methyl Acetate	43	7.036	7.030	0.006	546449	57.6662	56
23 Acetonitrile	41	7.019	7.072	0.053	650637	607.259	610

Compounds	POINT 512					INSTRUMENTAL DATA	
	DATE	RT	INT RT	PEL RT	RESPONSE	Wt %	Area
=====	=====	=====	=====	=====	=====	=====	=====
24 Acrylonitrile	31	11.773	11.773	11.814	204000	11.17	11.17
25 2-Chloro-1,3-Butadiene	32	11.78	11.78	11.814	204000	11.17	11.17
26 1,1-Dichloroethane	33	11.783	11.783	11.814	204000	11.17	11.17
27 Vinyl Acetate	34	11.78	11.78	11.814	204000	11.17	11.17
28 cis-1,3-Dichloropropene	35	11.78	11.78	11.814	204000	11.17	11.17
29 1,1-Dichloroethane	36	11.78	11.78	11.814	204000	11.17	11.17
30 Bromochloromethane	37	11.78	11.78	11.814	204000	11.17	11.17
31 Chloroform	38	11.78	11.78	11.814	204000	11.17	11.17
32 Ethyl Chloride	39	11.78	11.78	11.814	204000	11.17	11.17
33 Methyl Acrylate	40	11.78	11.78	11.814	204000	11.17	11.17
34 Dichloroethane	41	11.78	11.78	11.814	204000	11.17	11.17
35 1,1,1-Trichloroethane	42	11.78	11.78	11.814	204000	11.17	11.17
36 Isobutyl Chloride	43	11.78	11.78	11.814	204000	11.17	11.17
37 1,2-Dichloroethane	44	11.78	11.78	11.814	204000	11.17	11.17
38 Benzene	45	11.78	11.78	11.814	204000	11.17	11.17
39 2-Ethyl-1,3-Butadiene	46	11.78	11.78	11.814	204000	11.17	11.17
40 1,1,2-Trichloroethane	47	11.78	11.78	11.814	204000	11.17	11.17
41 1,2-Dichloroethane	48	11.78	11.78	11.814	204000	11.17	11.17
42 Methyl Cyclohexane	49	12.169	12.169	12.119	204000	11.17	11.17
43 Trichloroethane	50	12.169	12.169	12.119	204000	11.17	11.17
44 Dichloroethane	51	12.169	12.169	12.119	204000	11.17	11.17
45 1,1-Dichloropropane	52	12.169	12.169	12.119	204000	11.17	11.17
46 Bromodichloromethane	53	12.169	12.169	12.119	204000	11.17	11.17
47 Methyl Methacrylate	54	12.169	12.169	12.119	204000	11.17	11.17
48 1,1,1-Trichloroethane	55	12.169	12.169	12.119	204000	11.17	11.17
49 1-Chloroethylvinyl ether	56	12.169	12.169	12.119	204000	11.17	11.17
50 cis-1,3-Dichloropropene	57	12.169	12.169	12.119	204000	11.17	11.17
51 2-Propene	58	12.169	12.169	12.119	204000	11.17	11.17
52 Chloroacetonitrile	59	12.169	12.169	12.119	204000	11.17	11.17
53 trans-1,3-Dichloropropene	60	12.169	12.169	12.119	204000	11.17	11.17
54 1,1,3-Trichloroethane	61	12.169	12.169	12.119	204000	11.17	11.17
55 Chlorobenzene-d5	62	12.169	12.169	12.119	204000	11.17	11.17
56 Toluene	63	12.169	12.169	12.119	204000	11.17	11.17
57 Toluene-d8	64	12.169	12.169	12.119	204000	11.17	11.17
58 1,1,1-Dichloro-2-propanone	65	12.169	12.169	12.119	204000	11.17	11.17
59 4-Methyl-2-Pentanone	66	12.169	12.169	12.119	204000	11.17	11.17
60 Tetrachloroethane	67	12.169	12.169	12.119	204000	11.17	11.17
61 Ethyl Methacrylate	68	12.169	12.169	12.119	204000	11.17	11.17
62 Dibromochloromethane	69	12.169	12.169	12.119	204000	11.17	11.17
63 1,1,2-Dichloropropane	70	12.169	12.169	12.119	204000	11.17	11.17
64 1,2-Dibromoethane	71	12.169	12.169	12.119	204000	11.17	11.17
65 3-Hexanone	72	12.169	12.169	12.119	204000	11.17	11.17
66 1-Chlorohexane	73	12.169	12.169	12.119	204000	11.17	11.17
67 Chlorobenzene	74	12.169	12.169	12.119	204000	11.17	11.17
68 1,1,1,2-Tetrachloroethane	75	12.169	12.169	12.119	204000	11.17	11.17
69 Ethylbenzene	76	12.169	12.169	12.119	204000	11.17	11.17
70 Xylene (total mp)	77	12.169	12.169	12.119	204000	11.17	11.17
71 Xylene (total)	78	12.169	12.169	12.119	204000	11.17	11.17

... ..

Compounds	MW	MW				RESPONSE	CONCENTRATION	
		RT	RT	RT	RT		IN-10000	TOTAL
=====	104	11.170	11.170	11.170	1048769	55.0	55.0	
1 Styrene	104	11.170	11.170	11.170	1048769	55.0	55.0	
2 Bromobenzene	157	12.131	12.131	12.131	10045	4.0	4.0	
3 1,4-Dichlorobenzene-1,4	146	12.441	12.441	12.441	10100	5.0	5.0	
4 Isopropylbenzene	120	13.121	13.121	13.121	10100	5.0	5.0	
5 1,1,1-Trichlorobenzene	181	13.121	13.121	13.121	10100	5.0	5.0	
6 Bromobenzene	157	13.121	13.121	13.121	10100	5.0	5.0	
7 1,2,3-Trichloropropane	181	13.121	13.121	13.121	10100	5.0	5.0	
8 trans-1,4-Dichloro-1,3,5-tri	146	13.121	13.121	13.121	10100	5.0	5.0	
9 n-Propylbenzene	120	13.121	13.121	13.121	10100	5.0	5.0	
10 n-Propylbenzene	120	13.121	13.121	13.121	10100	5.0	5.0	
11 n-Propylbenzene	120	13.121	13.121	13.121	10100	5.0	5.0	
12 n-Propylbenzene	120	13.121	13.121	13.121	10100	5.0	5.0	
13 n-Propylbenzene	120	13.121	13.121	13.121	10100	5.0	5.0	
14 n-Propylbenzene	120	13.121	13.121	13.121	10100	5.0	5.0	
15 n-Propylbenzene	120	13.121	13.121	13.121	10100	5.0	5.0	
16 n-Propylbenzene	120	13.121	13.121	13.121	10100	5.0	5.0	
17 n-Propylbenzene	120	13.121	13.121	13.121	10100	5.0	5.0	
18 n-Propylbenzene	120	13.121	13.121	13.121	10100	5.0	5.0	
19 n-Propylbenzene	120	13.121	13.121	13.121	10100	5.0	5.0	
20 n-Propylbenzene	120	13.121	13.121	13.121	10100	5.0	5.0	
21 n-Propylbenzene	120	13.121	13.121	13.121	10100	5.0	5.0	
22 n-Propylbenzene	120	13.121	13.121	13.121	10100	5.0	5.0	
23 n-Propylbenzene	120	13.121	13.121	13.121	10100	5.0	5.0	
24 n-Propylbenzene	120	13.121	13.121	13.121	10100	5.0	5.0	
25 n-Propylbenzene	120	13.121	13.121	13.121	10100	5.0	5.0	
26 n-Propylbenzene	120	13.121	13.121	13.121	10100	5.0	5.0	
27 n-Propylbenzene	120	13.121	13.121	13.121	10100	5.0	5.0	
28 n-Propylbenzene	120	13.121	13.121	13.121	10100	5.0	5.0	
29 n-Propylbenzene	120	13.121	13.121	13.121	10100	5.0	5.0	
30 n-Propylbenzene	120	13.121	13.121	13.121	10100	5.0	5.0	
31 Hexachlorocyclopentadiene	254	14.121	14.121	14.121	10100	5.0	5.0	
32 Naphthalene	128	14.121	14.121	14.121	10100	5.0	5.0	
33 1,1,1-Trichlorobenzene	181	14.121	14.121	14.121	10100	5.0	5.0	
34 Bromobenzene	157	14.121	14.121	14.121	10100	5.0	5.0	
M 105 1,2-Dichlorobenzene total	146	14.121	14.121	14.121	10100	5.0	5.0	
M 106 Xylene total	106	14.121	14.121	14.121	10100	5.0	5.0	

QC Flag Legend

R - Spike/Surrogate failed recovery: finite.
M - Compound response manually integrated.



**SEVERN
TRENT**

STL

INVOICE/CREDIT NUMBER	DATE	LOCATION	CLIENT NUMBER	WORK AUTHORIZED BY	PHONE NUMBER
12007248	07/03/2003	57207	520057	Mr. Stephen Svatt	(610) 414-7000

BILL TO:

ATTN: Accts Payable
Spiegel Associates, Inc.
275 North Broadway
Lanicho, NY 11703

SHIP TO:

Walden Associates
10 SPRING STREET
OYSTER BAY, NY 11771

Quantity	Description	Unit Price	Amount
Job# 013907 Rec. Date: 10/16/02 100% Volatile Organics P.			
Sample Information: 100% Volatile Organics P.			
1. MW-1			
2. MW-2			
3. MW-3			
4. MW-4			
5. MW-5			
6. MW-6			
7. MW-7			
8. MW-8			
9. MW-9			
10. MW-10			
11. MW-11			
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96. MW-96			
97. MW-97			
98. MW-98			
99. MW-99			
100. MW-100			
1	Matrix Spike Spike Duplicate	\$100.00	\$100.00
1	TCL 8261 VOA- Waters	\$100.00	\$100.00
1	Volatile Organics Bml Purge	\$100.00	\$100.00

TERMS: Net Receipt of Invoice. Please remit in U.S. Dollars to:
By Mail: Severn Trent Laboratories, Inc. CT
PO Box 7777 W4305, Philadelphia PA. 19146-4105

Sales Tax

Total \$100.00

For proper credit, please include our client number
and invoice number on all remittance!

ORIGINAL

Severn Trent Laboratories, Inc.

STL Connecticut • 128 Long Hill Cross Road, Shelton, CT 06484

Tel: 203 929 8140 Fax: 203 929 8142 • www.stl-inc.com

Page 1 of 1

INVOICE/CREDIT NUMBER	DATE	LOCATION	CLIENT NUMBER	WORK AUTHORIZED BY	PAGE NUMBER
20007246	07/03/2003	57207	520057	Mr. Stephen Byatt	1 of 1

FILE TO:

ATTN: Acosta Savable
Spiegel Associates, Inc.
275 North Broadway
Jersey City, NY 07310

SUB TO:

Golden Associates
16 SPRING STREET
DARTMOUTH, MASSACHUSETTS

TERMS: Net 30 days on invoice. Please remit in U.S. Dollars to:
By Mail: Severn Trent Laboratories, Inc. 100
P.O. Box 1100 48406, Farmington, MI 48334-0110

Schubert **F. 1895**

— 100 —

[illegible]

For proper credit, please include our client number and invoice number on all remittance!

CLIENT COPY

Severn Trent Laboratories, Inc.

STL Connecticut • 125 Long Hill Cross Road, Shelton, CT 06484

Tel: 203 929 8140 Fax: 203 929 8142 • www.sti-inc.com

Appendix A, Part 2

Analytical Reports of the Groundwater Samples from Pulse 2

ANALYTICAL REPORT

JOB NUMBER: 204118

Prepared For:

Walden Associates
16 SPRING STREET
OYSTER BAY, NY 11771

Project: 218 LAKEVILLE ROAD

Attention: Stephen Byatt

Date: 07/21/2003



Signature

Name: Paul T. Hobart

Title: Project Manager

E-Mail: phobart@stl-inc.com

7/21/03

Date

STL Connecticut
128 Long Hill Cross Road
Shelton, CT 06484

This Report Contains (94) Pages

LABORATORY TEST RESULTS

Job Number: 204118

Date: 07/18/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Byatt

Customer Sample ID: MW-1

Date Sampled.....: 07/09/2003

Time Sampled.....: 14:40

Sample Matrix.....: Water

Laboratory Sample ID: 204118-1

Date Received.....: 07/10/2003

Time Received.....: 19:05

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)	ND	U		1	5	1.00000	ug/L	19543		07/15/03 1643	pam
	Chloromethane	ND	U		1	5	1.00000	ug/L	19543		07/15/03 1643	pam
	Vinyl chloride	ND	U		3	5	1.00000	ug/L	19543		07/15/03 1643	pam
	Bromomethane	ND	U		0.8	5	1.00000	ug/L	19543		07/15/03 1643	pam
	Chloroethane	ND	U		0.8	5	1.00000	ug/L	19543		07/15/03 1643	pam
	1,1-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	19543		07/15/03 1643	pam
	Carbon disulfide	ND	U		2	10	1.00000	ug/L	19543		07/15/03 1643	pam
	Acetone	ND	U		0.4	5	1.00000	ug/L	19543		07/15/03 1643	pam
	Methylene chloride	ND	U		0.6	5	1.00000	ug/L	19543		07/15/03 1643	pam
	trans-1,2-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	19543		07/15/03 1643	pam
	1,1-Dichloroethane	ND	U		0.6	5	1.00000	ug/L	19543		07/15/03 1643	pam
	Vinyl acetate	ND	U		2	5	1.00000	ug/L	19543		07/15/03 1643	pam
	cis-1,2-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	19543		07/15/03 1643	pam
	2-Butanone (MEK)	ND	U		1	10	1.00000	ug/L	19543		07/15/03 1643	pam
	Chloroform	ND	U		0.4	5	1.00000	ug/L	19543		07/15/03 1643	pam
	1,1,1-Trichloroethane	ND	U		0.4	5	1.00000	ug/L	19543		07/15/03 1643	pam
	Carbon tetrachloride	ND	U		0.3	5	1.00000	ug/L	19543		07/15/03 1643	pam
	Benzene	ND	U		0.4	5	1.00000	ug/L	19543		07/15/03 1643	pam
	1,2-Dichloroethane	ND	U		0.3	5	1.00000	ug/L	19543		07/15/03 1643	pam
	Trichloroethene	ND	U		0.7	5	1.00000	ug/L	19543		07/15/03 1643	pam
	1,2-Dichloropropane	ND	U		0.6	5	1.00000	ug/L	19543		07/15/03 1643	pam
	Bromodichloromethane	ND	U		0.6	5	1.00000	ug/L	19543		07/15/03 1643	pam
	cis-1,3-Dichloropropene	ND	U		0.6	5	1.00000	ug/L	19543		07/15/03 1643	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.5	5	1.00000	ug/L	19543		07/15/03 1643	pam
	Toluene	ND	U		0.3	10	1.00000	ug/L	19543		07/15/03 1643	pam
	trans-1,3-Dichloropropene	ND	U		0.4	5	1.00000	ug/L	19543		07/15/03 1643	pam
	1,1,2-Trichloroethane	ND	U		0.8	5	1.00000	ug/L	19543		07/15/03 1643	pam
	Tetrachloroethene	ND	U		0.4	5	1.00000	ug/L	19543		07/15/03 1643	pam
	2-Hexanone	ND	U		1	10	1.00000	ug/L	19543		07/15/03 1643	pam

00000003

Job Number: 204118

Date:07/18/2003

LABORATORY TEST RESULTS

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Byatt

Customer Sample ID: MW-1

Date Sampled.....: 07/09/2003

Time Sampled.....: 14:40

Sample Matrix.....: Water

Laboratory Sample ID: 204118-1

Date Received.....: 07/10/2003

Time Received.....: 19:05

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.2	5	1.00000	ug/L	19543		07/15/03 1643	pam
	Chlorobenzene	ND	U		0.2	5	1.00000	ug/L	19543		07/15/03 1643	pam
	Ethylbenzene	ND	U		0.3	5	1.00000	ug/L	19543		07/15/03 1643	pam
	Styrene	ND	U		0.4	5	1.00000	ug/L	19543		07/15/03 1643	pam
	Bromoform	ND	U		0.4	5	1.00000	ug/L	19543		07/15/03 1643	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.7	5	1.00000	ug/L	19543		07/15/03 1643	pam
	Xylenes (total)	ND	U		1	5	1.00000	ug/L	19543		07/15/03 1643	pam

* In Description = Dry Wgt.

00000004

Job Number: 204118 LABORATORY TEST RESULTS Date: 07/18/2003

CUSTOMER: Walden Associates PROJECT: 218 LAKEVILLE ROAD A ATTN: Stephen Byatt

Customer Sample ID: MW-2 Laboratory Sample ID: 204118-2
 Date Sampled: 07/09/2003 Date Received: 07/10/2003
 Time Sampled: 13:30 Time Received: 19:05
 Sample Matrix: Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.2	5	1.00000	ug/L	19543		07/15/03 1711	pam
	Chlorobenzene	ND	U		0.2	5	1.00000	ug/L	19543		07/15/03 1711	pam
	Ethylbenzene	ND	U		0.3	5	1.00000	ug/L	19543		07/15/03 1711	pam
	Styrene	ND	U		0.4	5	1.00000	ug/L	19543		07/15/03 1711	pam
	Bromofarm	ND	U		0.4	5	1.00000	ug/L	19543		07/15/03 1711	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.7	5	1.00000	ug/L	19543		07/15/03 1711	pam
	Xylenes (total)	ND	U		1	5	1.00000	ug/L	19543		07/15/03 1711	pam

00000006

LABORATORY TEST RESULTS												
Job Number: 204118				Date: 07/18/2003								
CUSTOMER: Walden Associates				PROJECT: 218 LAKEVILLE ROAD A				ATTN: Stephen Byatt				
Customer Sample ID: MW-3 Date Sampled.....: 07/09/2003 Time Sampled.....: 11:10 Sample Matrix.....: Water				Laboratory Sample ID: 204118-3 Date Received.....: 07/10/2003 Time Received.....: 19:05								
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
82608	Volatile Organics (5mL Purge)	ND										
	Chloromethane	ND	U		1	5	1.00000	ug/L	19543		07/15/03 1738	pam
	Vinyl chloride	ND	U		1	5	1.00000	ug/L	19543		07/15/03 1738	pam
	Bromomethane	ND	U		3	5	1.00000	ug/L	19543		07/15/03 1738	pam
	Chloroethane	ND	U		0.8	5	1.00000	ug/L	19543		07/15/03 1738	pam
	1,1-Dichloroethene	ND	U		0.8	5	1.00000	ug/L	19543		07/15/03 1738	pam
	Carbon disulfide	ND	U		0.6	5	1.00000	ug/L	19543		07/15/03 1738	pam
	Acetone	ND	U		2	10	1.00000	ug/L	19543		07/15/03 1738	pam
	Methylene chloride	ND	U		0.4	5	1.00000	ug/L	19543		07/15/03 1738	pam
	trans-1,2-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	19543		07/15/03 1738	pam
	1,1-Dichloroethane	ND	U		0.6	5	1.00000	ug/L	19543		07/15/03 1738	pam
	Vinyl acetate	ND	U		2	5	1.00000	ug/L	19543		07/15/03 1738	pam
	cis-1,2-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	19543		07/15/03 1738	pam
	2-Butanone (MEK)	ND	U		1	10	1.00000	ug/L	19543		07/15/03 1738	pam
	Chloroform	ND	U		0.4	5	1.00000	ug/L	19543		07/15/03 1738	pam
	1,1,1-Trichloroethane	ND	U		0.4	5	1.00000	ug/L	19543		07/15/03 1738	pam
	Carbon tetrachloride	ND	U		0.3	5	1.00000	ug/L	19543		07/15/03 1738	pam
	Benzene	ND	U		0.4	5	1.00000	ug/L	19543		07/15/03 1738	pam
	1,2-Dichloroethane	ND	U		0.3	5	1.00000	ug/L	19543		07/15/03 1738	pam
	Trichloroethene	ND	U		0.7	5	1.00000	ug/L	19543		07/15/03 1738	pam
	1,2-Dichloropropane	ND	U		0.6	5	1.00000	ug/L	19543		07/15/03 1738	pam
	Bromodichloromethane	ND	U		0.6	5	1.00000	ug/L	19543		07/15/03 1738	pam
	cis-1,3-Dichloropropene	ND	U		0.6	5	1.00000	ug/L	19543		07/15/03 1738	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.6	5	1.00000	ug/L	19543		07/15/03 1738	pam
	Toluene	ND	U		0.5	10	1.00000	ug/L	19543		07/15/03 1738	pam
	trans-1,3-Dichloropropene	ND	U		0.3	5	1.00000	ug/L	19543		07/15/03 1738	pam
	1,1,2-Trichloroethane	ND	U		0.4	5	1.00000	ug/L	19543		07/15/03 1738	pam
	Tetrachloroethene	ND	U		0.8	5	1.00000	ug/L	19543		07/15/03 1738	pam
	2-Hexanone	ND	U		0.4	5	1.00000	ug/L	19543		07/15/03 1738	pam
		ND	U		1	10	1.00000	ug/L	19543		07/15/03 1738	pam

* In Description = Dry Wgt.

Job Number: 204118

Date:07/18/2003

LABORATORY TEST RESULTS

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Byatt

Customer Sample ID: MW-3

Date Sampled.....: 07/09/2003

Time Sampled.....: 11:10

Sample Matrix.....: Water

Laboratory Sample ID: 204118-3

Date Received.....: 07/10/2003

Time Received.....: 19:05

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.2	5	1.00000	ug/L	19543		07/15/03 1738	pam
	Chlorobenzene	ND	U		0.2	5	1.00000	ug/L	19543		07/15/03 1738	pam
	Ethylbenzene	ND	U		0.3	5	1.00000	ug/L	19543		07/15/03 1738	pam
	Styrene	ND	U		0.4	5	1.00000	ug/L	19543		07/15/03 1738	pam
	Bromoform	ND	U		0.4	5	1.00000	ug/L	19543		07/15/03 1738	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.7	5	1.00000	ug/L	19543		07/15/03 1738	pam
	Xylenes (total)	ND	U		1	5	1.00000	ug/L	19543		07/15/03 1738	pam

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 204118

Date: 07/18/2003

CUSTOMER: Walden Associates

PROJECT: 21B LAKEVILLE ROAD A

ATTN: Stephen Byatt

Customer Sample ID: MW-4
Date Sampled.....: 07/09/2003
Time Sampled.....: 12:10
Sample Matrix.....: Water

Laboratory Sample ID: 204118-4
Date Received.....: 07/10/2003
Time Received.....: 19:05

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)	ND	U		1	5	1.00000	ug/L	19543		07/15/03 1806	pam
	Chloromethane	ND	U		1	5	1.00000	ug/L	19543		07/15/03 1806	pam
	Vinyl chloride	ND	U		3	5	1.00000	ug/L	19543		07/15/03 1806	pam
	Bromomethane	ND	U		0.8	5	1.00000	ug/L	19543		07/15/03 1806	pam
	Chloroethane	ND	U		0.8	5	1.00000	ug/L	19543		07/15/03 1806	pam
	1,1-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	19543		07/15/03 1806	pam
	Carbon disulfide	ND	U		2	10	1.00000	ug/L	19543		07/15/03 1806	pam
	Acetone	ND	U		0.4	5	1.00000	ug/L	19543		07/15/03 1806	pam
	Methylene chloride	ND	U		0.6	5	1.00000	ug/L	19543		07/15/03 1806	pam
	trans-1,2-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	19543		07/15/03 1806	pam
	1,1-Dichloroethane	ND	U		2	5	1.00000	ug/L	19543		07/15/03 1806	pam
	Vinyl acetate	ND	U		0.6	5	1.00000	ug/L	19543		07/15/03 1806	pam
	cis-1,2-Dichloroethene	ND	U		1	10	1.00000	ug/L	19543		07/15/03 1806	pam
	2-Butanone (MEK)	ND	U		0.4	5	1.00000	ug/L	19543		07/15/03 1806	pam
	Chloroform	ND	U		0.4	5	1.00000	ug/L	19543		07/15/03 1806	pam
	1,1,1-Trichloroethane	ND	U		0.3	5	1.00000	ug/L	19543		07/15/03 1806	pam
	Carbon tetrachloride	ND	U		0.4	5	1.00000	ug/L	19543		07/15/03 1806	pam
	Benzene	ND	U		0.3	5	1.00000	ug/L	19543		07/15/03 1806	pam
	1,2-Dichloroethane	ND	U		0.7	5	1.00000	ug/L	19543		07/15/03 1806	pam
	Trichloroethene	ND	U		0.6	5	1.00000	ug/L	19543		07/15/03 1806	pam
	1,2-Dichloropropane	ND	U		0.6	5	1.00000	ug/L	19543		07/15/03 1806	pam
	Bromodichloromethane	ND	U		0.6	5	1.00000	ug/L	19543		07/15/03 1806	pam
	cis-1,3-Dichloropropene	ND	U		0.5	10	1.00000	ug/L	19543		07/15/03 1806	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.5	5	1.00000	ug/L	19543		07/15/03 1806	pam
	Toluene	ND	U		0.3	5	1.00000	ug/L	19543		07/15/03 1806	pam
	trans-1,3-Dichloropropene	ND	U		0.4	5	1.00000	ug/L	19543		07/15/03 1806	pam
	1,1,2-Trichloroethane	ND	U		0.8	5	1.00000	ug/L	19543		07/15/03 1806	pam
	Tetrachloroethene	ND	U		0.4	5	1.00000	ug/L	19543		07/15/03 1806	pam
	2-Hexanone	ND	U		1	10	1.00000	ug/L	19543		07/15/03 1806	pair

* In Description = Dry Wgt.

00000009

LABORATORY TEST RESULTS											
Job Number: 204118				Date:07/18/2003							
CUSTOMER: Walden Associates				PROJECT: 218 LAKEVILLE ROAD A				ATTN: Stephen Byatt			
Customer Sample ID: MW-4 Date Sampled.....: 07/09/2003 Time Sampled.....: 12:10 Sample Matrix.....: Water				Laboratory Sample ID: 204118-4 Date Received.....: 07/10/2003 Time Received.....: 19:05							
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U	0.2	5	1.00000	ug/L	19543		07/15/03 1806	pam
	Chlorobenzene	ND	U	0.2	5	1.00000	ug/L	19543		07/15/03 1806	pam
	Ethylbenzene	ND	U	0.3	5	1.00000	ug/L	19543		07/15/03 1806	pam
	Styrene	ND	U	0.4	5	1.00000	ug/L	19543		07/15/03 1806	pam
	Bromoform	ND	U	0.4	5	1.00000	ug/L	19543		07/15/03 1806	pam
	1,1,2,2-Tetrachloroethane	ND	U	0.7	5	1.00000	ug/L	19543		07/15/03 1806	pam
	Xylenes (total)	ND	U	1	5	1.00000	ug/L	19543		07/15/03 1806	pam

* In Description = Dry Wgt.

01000000

Job Number: 204118

LABORATORY TEST RESULTS

Date: 07/18/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Byatt

Customer Sample ID: MW-5
 Date Sampled: 07/09/2003
 Time Sampled: 09:44
 Sample Matrix: Water

Laboratory Sample ID: 204118-5
 Date Received: 07/10/2003
 Time Received: 19:05

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)	ND	U		1	5	1.00000	ug/L	19543		07/15/03 1834	pam
	Chloromethane	ND	U		1	5	1.00000	ug/L	19543		07/15/03 1834	pam
	Vinyl chloride	ND	U		3	5	1.00000	ug/L	19543		07/15/03 1834	pam
	Bromomethane	ND	U		0.8	5	1.00000	ug/L	19543		07/15/03 1834	pam
	Chloroethane	ND	U		0.8	5	1.00000	ug/L	19543		07/15/03 1834	pam
	1,1-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	19543		07/15/03 1834	pam
	Carbon disulfide	ND	U		2	10	1.00000	ug/L	19543		07/15/03 1834	pam
	Acetone	ND	U		0.4	5	1.00000	ug/L	19543		07/15/03 1834	pam
	Methylene chloride	ND	U		0.6	5	1.00000	ug/L	19543		07/15/03 1834	pam
	trans-1,2-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	19543		07/15/03 1834	pam
	1,1-Dichloroethane	ND	U		2	5	1.00000	ug/L	19543		07/15/03 1834	pam
	Vinyl acetate	ND	U		0.6	5	1.00000	ug/L	19543		07/15/03 1834	pam
	cis-1,2-Dichloroethene	ND	U		1	10	1.00000	ug/L	19543		07/15/03 1834	pam
	2-Butanone (MEK)	ND	U		0.4	5	1.00000	ug/L	19543		07/15/03 1834	par
	Chloroform	ND	U		0.3	5	1.00000	ug/L	19543		07/15/03 1834	par
	1,1,1-Trichloroethane	ND	U		0.4	5	1.00000	ug/L	19543		07/15/03 1834	par
	Carbon tetrachloride	ND	U		0.3	5	1.00000	ug/L	19543		07/15/03 1834	par
	Benzene	ND	U		0.4	5	1.00000	ug/L	19543		07/15/03 1834	par
	1,2-Dichloroethane	ND	U		0.7	5	1.00000	ug/L	19543		07/15/03 1834	par
	Trichloroethene	ND	U		0.6	5	1.00000	ug/L	19543		07/15/03 1834	par
	1,2-Dichloropropane	ND	U		0.6	5	1.00000	ug/L	19543		07/15/03 1834	par
	Bromodichloromethane	ND	U		0.6	5	1.00000	ug/L	19543		07/15/03 1834	pa
	cis-1,3-Dichloropropene	ND	U		0.6	5	1.00000	ug/L	19543		07/15/03 1834	pa
	4-Methyl-2-pentanone (MIBK)	ND	U		0.5	10	1.00000	ug/L	19543		07/15/03 1834	pa
	Toluene	ND	U		0.3	5	1.00000	ug/L	19543		07/15/03 1834	pa
	trans-1,3-Dichloropropene	ND	U		0.4	5	1.00000	ug/L	19543		07/15/03 1834	pa
	1,1,2-Trichloroethane	ND	U		0.8	5	1.00000	ug/L	19543		07/15/03 1834	pa
	Tetrachloroethene	ND	U		0.4	5	1.00000	ug/L	19543		07/15/03 1834	pa
	2-Hexanone	ND	U		1	10	1.00000	ug/L	19543		07/15/03 1834	pr

* In Description = Dry Wgt.

0000011

L A B O R A T O R Y T E S T R E S U L T S

Job Number: 204118

Date: 07/18/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Byatt

Customer Sample ID: MW-5
Date Sampled.....: 07/09/2003
Time Sampled.....: 09:44
Sample Matrix.....: Water

Laboratory Sample ID: 204118-5
Date Received.....: 07/10/2003
Time Received.....: 19:05

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.2	5	1.00000	ug/L	19543		07/15/03 1834	pam
	Chlorobenzene	ND	U		0.2	5	1.00000	ug/L	19543		07/15/03 1834	pam
	Ethylbenzene	ND	U		0.3	5	1.00000	ug/L	19543		07/15/03 1834	pam
	Styrene	ND	U		0.4	5	1.00000	ug/L	19543		07/15/03 1834	pam
	Bromoform	ND	U		0.4	5	1.00000	ug/L	19543		07/15/03 1834	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.7	5	1.00000	ug/L	19543		07/15/03 1834	pam
	Xylenes (total)	ND	U		1	5	1.00000	ug/L	19543		07/15/03 1834	pam

* In Description = Dry Wgt.

Page 11

L A B O R A T O R Y C H R O N I C L E

Job Number: 204118

Date: 07/21/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD

ATTN: Stephen Byatt

Lab ID: 204118-1	Client ID: MW-1	Date Recvd: 07/10/2003	Sample Date: 07/09/2003	
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)
5030A	5030 5 mL Purge Prep	1	19541	
8260B	Volatile Organics (5mL Purge)	1	19543	19541
			07/15/2003	1643 1.00000
Lab ID: 204118-2	Client ID: MW-2	Date Recvd: 07/10/2003	Sample Date: 07/09/2003	
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)
5030A	5030 5 mL Purge Prep	1	19541	
8260B	Volatile Organics (5mL Purge)	1	19543	19541
			07/15/2003	1711 1.00000
Lab ID: 204118-3	Client ID: MW-3	Date Recvd: 07/10/2003	Sample Date: 07/09/2003	
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)
5030A	5030 5 mL Purge Prep	1	19541	
8260B	Volatile Organics (5mL Purge)	1	19543	19541
			07/15/2003	1738 1.00000
Lab ID: 204118-4	Client ID: MW-4	Date Recvd: 07/10/2003	Sample Date: 07/09/2003	
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)
5030A	5030 5 mL Purge Prep	1	19541	
8260B	Volatile Organics (5mL Purge)	1	19543	19541
			07/15/2003	1806 1.00000
Lab ID: 204118-5	Client ID: MW-5	Date Recvd: 07/10/2003	Sample Date: 07/09/2003	
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)
5030A	5030 5 mL Purge Prep	1	19541	
8260B	Volatile Organics (5mL Purge)	1	19543	19541
			07/15/2003	1834 1.00000

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 07/21/2003

REPORT COMMENTS

- 1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
- 2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
- 3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
- 4) The test results for the noted analytical method(s) meet the requirements of NELAC Lab Cert. ID# 10604
- 5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviation

Inorganic Qualifiers (Q-Column)

- U Analyte was not detected at or above the reporting limit.
- < Not detected at or above the reporting limit.
- J Result is less than the RL, but greater than or equal to the method detection limit.
- B Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
- S Result was determined by the Method of Standard Additions.

Inorganic Flags (Flag Column)

- ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
- * LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
- + MSA correlation coefficient is less than 0.995.
- 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.
- E SD: Serial dilution exceeds the control limits.
- H MB, EB: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
- N MS, MSD: Spike recovery exceeds the upper or lower control limits.
- W PS: Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

- U Analyte was not detected at or above the reporting limit.
- ND Compound not detected.
- J Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
- Q Result was qualitatively confirmed, but not quantified.
- C Pesticide identification was confirmed by GC/MS.
- Y The chromatographic response resembles a typical fuel pattern.
- Z The chromatographic response does not resemble a typical fuel pattern.
- E Result exceeded calibration range, secondary dilution required.

Organic Flags (Flags Column)

- MB,EB, MLE: Batch QC is greater than reporting limit.
- * LCS, LCD, CCV, MS, MSD, Surrogate, RS:Batch QC exceeds the upper or lower control limits.
- A Concentration exceeds the instrument calibration range or below the reporting limit.
- B Compound was found in the blank and sample.
- D Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
- H Alternate peak selection upon analytical review
- I Indicates the presence of an interference, recovery is not calculated.
- M Manually integrated compound.
- P The lower of the two values is reported when the % difference between the results of two GC columns is greater than 25%.

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 07/21/2003

Abbreviations

Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation Analysis
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
Dil Fac	Dilution Factor
DL	Secondary dilution and analysis
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB	Extraction Blank
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A
ISB	Interference Check Sample B
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group
Lab ID	An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PACK	Packed Column
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PS	Post Spike
PSD	Post Spike Duplicate
RA	Re-analysis
RE	Re-extraction and analysis
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RS	Reference Standard
RT	Retention Time
RTW	Retention Time Window
SampleID	A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution
UCB	Unseeded Control Blank

One or a combination of these data qualifiers and abbreviations may appear in the analytical report.

0000015

STATE CERTIFICATIONS

In some instances it may be necessary for environmental data to be reported to a regulatory authority with reference to a certified laboratory. For your convenience, the laboratory identification numbers for the STL-Connecticut laboratory are provided in the following table. Many states certify laboratories for specific parameters or tests within a category (i.e. method 325.2 for wastewater). The information in the following table indicates the lab is certified in a general category of testing such as drinking water or wastewater analysis. The laboratory should be contacted directly if parameter-specific certification information is required.

STL-Connecticut Certification Summary (as of May 2002)

State	Responsible Agency	Certification	Lab Number
Connecticut	Department of Health Services	Drinking Water, Wastewater	PH-4407
Maine	Department of Health and Environmental Services	Drinking Water, Wastewater, Solid, Hazardous Waste	101
Massachusetts	Department of Environmental Protection	Potable Non-Potable Water	94-77121
New Hampshire	Department of Environmental Services	Drinking Water, Wastewater	2503
New Jersey	Department of Environmental Protection	Drinking Water, Wastewater	27411
New York	Department of Health	CLP, Drinking Water, Wastewater, Solid Hazardous Waste NELAC	1010
North Carolina	Division of Environmental Management	Wastewater	313
Rhode Island	Department of Health	Chemistry...Non- Potable Water and Wastewater	343
Utah	Department of Health	RCRA	2032614453
Wisconsin	Department of Natural Resources	Wastewater	998355711

0000016

STL JOB #: 204118

CLIENT: Spiegel Associates C/o Walden Associates

PROJECT ID: 218 Lakeville Rd, Lake Success NY

STL PROJECT MGR: Paul Hobart

RUSH ☐ YES ☒ NO DUE DATE

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

NO. 204118

GENERAL REMARKS

TESTS		BOTTLE TYPE AND PRESERVATION		FIELD FILTERED - CIRCLE Y or N										SAMPLE REMARKS	
BOTTLE SET #	CLIENT SAMPLE ID	DATE/TIME SAMPLED	MATRIX	LAB ID	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	
	MW-1	7/4 14:40	Aa	01	Y										
	MW-2	7/4 13:30	Aa	02	X										
	MW-3	7/4 11:10	Aa	03	X										
	MW-4	7/4 12:10	Aa	04	X										
	MW-5	7/4 9:44	Aa	05	X										
	MW-6 (Dup)	7/4 14:40	Aa	01	Y										
	MW-2 (Dup)	7/4 13:30	Aa	02	X										
	MW-3 (Dup)	7/4 11:10	Aa	03	X										
	MW-4 (Dup)	7/4 12:10	Aa	04	X										
	MW-5 (Dup)	7/4 9:44	Aa	05	X										

"PASSED RAD SCREEN"

204118

WALDEN ASSOCIATES
STEPHEN BYATT
218 LAKEVILLE ROAD ASSOCIATES

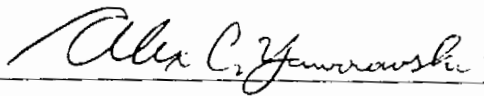
07/22/2003

1.30

MATRIX CODES		BOTTLES PREPARED BY		DATE/TIME		BOTTLES RECEIVED BY		DATE/TIME		REMARKS ON SAMPLE RECEIPT	
A - AIR	S - SOIL	Norm Bradley		7/4		Richard L Ford		7/10/03		☐ BOTTLES INTACT	
AQ - AQUEOUS	SL - SLUDGE	Norm Bradley				Richard L Ford		12/0		☐ PREPARED	
C - COMPLEX	W - WIFE	Norm Bradley		7/4		Richard L Ford		7/10/03		☐ CHILLED	
D - DRUM WASTE	O - OTHER	Norm Bradley				Richard L Ford		7/10/03		☐ SEE REMARK	
OI - OIL	FB - FIELD BLANK	Norm Bradley				Richard L Ford		7/10/03			
	TB - TRIP BLANK										

rpj:skl		Job Sample Receipt Checklist Report		V2
Job Number.: 204118	Location.: 57207	Check List Number.: 1	Description.:	
Customer Job ID.....:		Job Check List Date.:	Date of the Report...: 07/11/2003	
Project Number.: 20000828	Project Description.: 218 Lakeville Road Associates		Project Manager.....: pth	
Customer.....: Walden Associates	Contact.: Stephen Byatt			

Questions ?	(Y/N) Comments
Chain-of-Custody Present?.....	Y
...If "yes", completed properly?.....	Y
Custody seal on shipping container?.....	Y
...If "yes", custody seal intact?.....	Y
Custody seals on sample containers?.....	N
...If "yes", custody seal intact?.....	
Samples iced?.....	Y LOOSE ICE, BAGGED ICE
Temperature of cooler acceptable? (4 deg C +/- 2). Y	1.3 C
Samples received intact (good condition)?.....	Y
Volatile samples acceptable? (no headspace).....	Y
Correct containers used?.....	Y
Adequate sample volume provided?.....	Y
Samples preserved correctly?.....	Y
Samples received within holding-time?.....	Y
Agreement between COC and sample labels?.....	N ID 05: 0944 ON COC, 0950 ON VOA VIALS
Radioactivity at or below background levels?.....	Y
A Sample Discrepancy Report (SDR) was needed?.....	N
Comments.....	Y NO DUPLICATES - ONLY 5 SAMPLES
If samples were shipped was there an air bill #?..	N COURIER DICK
Sample Custodian Signature/Date.....	Y

 07/11/03

204118

WALDEN ASSOCIATES
STEPHEN BYATT
218 LAKEVILLE ROAD ASSOCIATES

STL - Connecticut Internal Chain-of-Custody

Trip Blank:

Q

FB:

Soil:

Air:

Water:

Date Received:

Sample #s:

Locations:

Laboratory Sample #

51

Relinquished by

Accepted by

Date _____

Time

Reason

Relinquished by

Accepted by

Time

0000019

STL Form# SMF00507.CT

SURROGATE RECOVERIES REPORT

Job Number.: 204118

Report Date.: 07/16/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Byatt

Method.....: Volatile Organics (5ml Purge)
Batch(s).....: 19543

Method Code...: 8260.5
Test Matrix...: Water

Prep Batch....: 19543
Equipment Code: MSN

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLDB
LCS-19541-2			07/15/2003	103	90	101	89
MB-19541-1			07/15/2003	116	96	107	91
204118- 1	MW-1		07/15/2003	108	91	104	91
204118- 2	MW-2		07/15/2003	102	91	103	92
204118- 3	MW-3		07/15/2003	120	86	112	91
204118- 4	MW-4		07/15/2003	109	87	104	91
204118- 5	MW-5		07/15/2003	112	84	102	99

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 130
BRFLBE	4-Bromofluorobenzene (surr)	70 - 130
DBRFLM	Dibromofluoromethane (surr)	70 - 130
TOLDB	Toluene-d8 (surr)	70 - 130

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

19541-1ME

Lab Name: STL-CT

Contract:

Lab Code: STLCT

Case No.: 204118

SAS No.:

SDG No.: 204118

Lab File ID: N7975

Lab Sample ID: 19541-1ME

Date Analyzed: 07/15/03

Time Analyzed: 0825

GC Column: RTX-624 ID: 0.53 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSN

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSF:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	19541-2LCS	19541-2LCS	N7976	0908
02	MW-1	204118-1	N7990	1648
03	MW-2	204118-2	N7991	1711
04	MW-3	204118-3	N7992	1738
05	MW-4	204118-4	N7993	1800
06	MW-5	204118-5	N7994	1834
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: STL-CT

Contract:

Lab Code: STLCT

Case No.: 204118

SAS No.:

SDG No.: 204118

Lab File ID: NB951

BFB Injection Date: 06/03/03

Instrument ID: MSN

BFB Injection Time: 1036

GC Column: RTX-624 ID: 0.53 (mm)

Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.0
75	30.0 - 60.0% of mass 95	44.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	0.4
173	Less than 2.0% of mass 174	0.4
174	50.0 - 100.0% of mass 95	80.4
175	5.0 - 9.0% of mass 174	8.1
176	95.0 - 101.0% of mass 174	77.5
177	5.0 - 9.0% of mass 176	8.1

1-Value is % mass 174

2-Value is % mass 174

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD005N2	VSTD005N2	N7512	06/03/03	1301
02	VSTD020N3	VSTD020N3	N7513	06/03/03	1331
03	VSTD100N4	VSTD100N4	N7514	06/03/03	1401
04	VSTD200N5	VSTD200N5	N7515	06/03/03	1431
05	VSTD050N1	VSTD050N1	N7516	06/03/03	1446
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

0000023

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: STL-CT

Contract:

Lab Code: STLCT

Case No.: 204118

SAS No.:

SDG No.: 204118

Lab File ID: NE995

BFB Injection Date: 07/15/03

Instrument ID: MSN

BFB Injection Time: 0700

GC Column: RTX-624 ID: 0.53 (mm)

Heated Purge: (Y/N) N

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	14.0
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
174	50.0 - 100.0% of mass 95	81.6
175	5.0 - 9.0% of mass 174	6.0
176	95.0 - 101.0% of mass 174	81.6
177	5.0 - 9.0% of mass 176	5.0

1-Value is % mass 174 2-Value is % mass 177

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

	EPA SAMPLE NO.	LAE SAMPLE ID	LAE FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050NM	VSTD050NM	N7974	07/15/03	0742
02	19541-1MB	19541-1MB	N7975	07/15/03	0823
03	19541-2LCS	19541-2LCS	N7976	07/15/03	0908
04	MW-1	204118-1	N7990	07/15/03	1643
05	MW-2	204118-2	N7991	07/15/03	1711
06	MW-3	204118-3	N7992	07/15/03	1738
07	MW-4	204118-4	N7993	07/15/03	1806
08	MW-5	204118-5	N7994	07/15/03	1834
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL-CT

Contract:

Lab Code: STLCT

Case No.: 204118

SAS No.:

SDG No.: 204118

Lab File ID (Standard): N7974

Date Analyzed: 07/15/03

Instrument ID: MSN

Time Analyzed: 0742

GC Column: RTX-624 ID: 0.53 (mm)

Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 (DCB) AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	119027	5.14	83493	8.14	80467	11.14
UPPER LIMIT	238054	5.64	166986	8.64	160934	11.64
LOWER LIMIT	59514	4.64	41747	7.64	18214	10.14
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 19541-1MB	122642	5.14	83005	8.15	40464	11.15
02 19541-2LCS	126557	5.14	90854	8.15	46340	11.15
03 MW-1	89721	5.13	61172	8.15	30676	11.15
04 MW-2	89656	5.13	59761	8.15	30797	11.15
05 MW-3	82230	5.13	59122	8.15	31064	11.15
06 MW-4	81238	5.14	56854	8.15	29708	11.15
07 MW-5	78297	5.14	56503	8.15	29276	11.15
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						

IS1 = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

DETECTION LIMIT STUDY

Method.....:OLM03.2
 Analyst.....:David Humbert
 Equipment ID.:MSN
 Analysis Date:05/07/2002 (grp 1)

Date.:2003-07-17
 Units.:ug/L
 Batch.:5236
 T-Val.:6.965

COMPOUND/ELEMENT/TEST	Matrix	Det. Lim.	Units	Mean	Std. Dev.	Grp
Dichlorodifluoromethane Raw Data: 4.62813 4.71892 4.82229	Water	0.68	ug/L	4.723113	0.097148	
Chloromethane Raw Data: 4.87832 4.64456 5.26944	Water	2.20	ug/L	4.930773	0.315703	
Vinyl chloride Raw Data: 4.70118 4.61960 5.00012	Water	1.40	ug/L	4.773633	0.110004	
Bromomethane Raw Data: 7.22509 6.55260 6.95231	Water	2.36	ug/L	6.910000	0.338238	
Chloroethane Raw Data: 4.64580 4.77541 5.04596	Water	1.42	ug/L	4.822390	0.204178	
Trichlorofluoromethane Raw Data: 5.37826 5.30672 5.31201	Water	0.28	ug/L	5.332330	0.039664	
1,1 Dichloro-1-Fluoroethane Raw Data: 5.27784 5.44077 5.18237	Water	0.91	ug/L	5.300117	0.131699	
Trichlorotrifluoroethane Raw Data: 5.49823 5.34802 5.34574	Water	0.61	ug/L	5.397337	0.057784	
1,1-Dichloroethene Raw Data: 5.77641 5.38606 5.79771	Water	1.61	ug/L	5.653393	0.231760	
Carbon disulfide Raw Data: 4.93316 4.62818 4.86762	Water	1.12	ug/L	4.809653	0.160541	
Iodomethane Raw Data: 2.48318 2.53708 2.87640	Water	1.48	ug/L	2.632220	0.213176	
Methylene chloride Raw Data: 5.35999 5.16342 5.41354	Water	0.92	ug/L	5.312317	0.131699	
Acetone Raw Data: 10.4989 9.61555 8.51220	Water	6.93	ug/L	9.542217	0.995378	
Methyl acetate Raw Data: 7.26401 7.24143 7.11220	Water	0.57	ug/L	7.205880	0.081911	
trans-1,2-Dichloroethene Raw Data: 5.26543 4.85581 5.13418	Water	1.46	ug/L	5.085140	0.209167	
Methyl-tert-butyl-ether (MTBE) Raw Data: 5.42915 5.10453 5.27327	Water	1.13	ug/L	5.268983	0.162352	
Acrolein Raw Data: 29.8259 26.9408 29.2019	Water	10.57	ug/L	28.656200	1.517989	
tert-Butyl alcohol Raw Data: 30.7693 29.4881 30.1183	Water	4.46	ug/L	30.125233	0.640628	
Acrylonitrile Raw Data: 10.1584 10.4808 10.4580	Water	1.25	ug/L	10.365733	0.179917	
1,1-Dichloroethane Raw Data: 4.95185 4.54335 4.90232	Water	1.55	ug/L	4.799173	0.222929	

0000026

DETECTION LIMIT STUDY

Method.....:OLM03.2
 Analyst.....:David Humbert
 Equipment ID.:MSN
 Analysis Date:05/07/2002 (grp 1)

Date...:2003-07-17
 Units.:ug/L
 Batch.:5236
 T-Val.:6.965

COMPOUND/ELEMENT/TEST	Matrix	Det. Lim.	Units	Mean	Std. Dev.	Grp
cis-1,2-Dichloroethene Raw Data: 5.23497 4.57132 4.87958	Water	2.31	ug/L	4.895290	0.332104	
Chloroform Raw Data: 5.09570 4.65461 5.00482	Water	1.60	ug/L	4.918377	0.232711	
Tetrahydrofuran Raw Data: 10.1908 10.0390 9.79251	Water	1.40	ug/L	10.037447	0.201111	
2-Butanone (MEK) Raw Data: 5.75037 5.71251 4.77402	Water	3.85	ug/L	5.412300	0.553191	
1,2-Dichloroethane Raw Data: 4.87303 4.59046 4.64679	Water	1.04	ug/L	4.703427	0.149757	
Dibromomethane Raw Data: 4.97275 4.79123 4.78791	Water	0.74	ug/L	4.850630	0.105771	
Vinyl acetate Raw Data: 4.09797 4.28975 4.26138	Water	0.76	ug/L	4.213377	0.078111	
1,1,1-Trichloroethane Raw Data: 5.49837 5.63624 5.57528	Water	1.23	ug/L	5.536610	0.177111	
Carbon tetrachloride Raw Data: 5.23606 5.49993 5.49477	Water	1.05	ug/L	5.410253	0.150878	
Benzene Raw Data: 5.10560 4.80095 5.03586	Water	1.11	ug/L	4.980803	0.159613	
Cyclohexane Raw Data: 5.61937 6.25544 5.99869	Water	1.53	ug/L	6.024500	0.219178	
Methyl cyclohexane Raw Data: 5.37721 5.47619 5.44036	Water	0.35	ug/L	5.431260	0.050111	
Trichloroethene Raw Data: 5.12232 5.22008 5.14171	Water	0.36	ug/L	5.161370	0.051761	
1,2-Dichloropropane Raw Data: 5.27901 5.20929 5.27887	Water	0.28	ug/L	5.255723	0.040211	
Bromodichloromethane Raw Data: 5.19537 5.07707 5.13557	Water	0.41	ug/L	5.136003	0.059151	
cis-1,3-Dichloropropene Raw Data: 4.81625 4.88754 4.78868	Water	0.36	ug/L	4.830823	0.051011	
trans-1,3-Dichloropropene Raw Data: 4.63040 4.51175 4.65630	Water	0.54	ug/L	4.599483	0.077075	
1,1,2-Trichloroethane Raw Data: 5.01963 5.10008 5.16078	Water	0.49	ug/L	5.093497	0.070805	
Dibromochloromethane Raw Data: 4.77153 4.66925 4.82971	Water	0.57	ug/L	4.756830	0.081234	
Bromoform Raw Data: 4.52369 4.43867 4.72017	Water	1.01	ug/L	4.560843	0.144381	

0000027

DETECTION LIMIT STUDY

Method.....:OLM03.2
 Analyst.....:David Humbert
 Equipment ID.:MSN
 Analysis Date:05/07/2002(grp 1)

Date...:2003-11-17
 Units.:ug/L
 Batch.:5236
 T-Val.:6.965

COMPOUND/ELEMENT/TEST	Matrix	Det. Lim.	Units	Mean	Std. Dev.	Grp
Toluene Raw Data: 4.99337 4.77574 4.94371	Water	0.79	ug/L	4.934277	0.11414	
4-Methyl-2-pentanone (MIBK) Raw Data: 4.93289 5.13639 4.84888	Water	1.03	ug/L	4.972721	0.14761	
Tetrachloroethene Raw Data: 5.01777 4.87380 5.03318	Water	0.61	ug/L	4.97481	0.11414	
Ethylmethacrylate Raw Data: 4.35509 4.55116 4.34337	Water	0.81	ug/L	4.416546	0.116732	
1,2-Dibromoethane (EDB) Raw Data: 4.93274 4.91105 4.97356	Water	0.21	ug/L	4.938117	0.131712	
2-Hexanone Raw Data: 4.91411 5.19403 4.49699	Water	2.44	ug/L	4.868117	0.150761	
o-Propylbenzene Raw Data: 4.95205 4.51746 4.82115	Water	1.55	ug/L	4.763553	0.122947	
Ethylbenzene Raw Data: 4.82101 4.64582 4.80651	Water	0.68	ug/L	4.757780	0.097232	
m&p-Xylenes Raw Data: 9.71026 9.34512 9.60526	Water	1.31	ug/L	9.553547	0.187983	
o-Xylene Raw Data: 4.76380 4.51716 4.62970	Water	0.93	ug/L	4.643553	0.133859	
Styrene Raw Data: 4.30935 4.16878 4.24573	Water	0.49	ug/L	4.241287	0.070391	
Isopropylbenzene Raw Data: 4.69058 4.63098 4.67156	Water	0.21	ug/L	4.664373	0.030443	
1,1,2,2-Tetrachloroethane Raw Data: 5.01697 5.22108 4.98028	Water	0.90	ug/L	5.072777	0.129738	
1,2,3-Trichloropropane Raw Data: 5.08320 4.81684 4.89734	Water	0.95	ug/L	4.932460	0.136609	
1,3-Dichlorobenzene Raw Data: 4.78094 4.57530 4.61815	Water	0.76	ug/L	4.658130	0.108493	
1,4-Dichlorobenzene Raw Data: 4.73008 4.53365 4.79155	Water	0.94	ug/L	4.685093	0.134707	
1,2-Dichlorobenzene Raw Data: 4.46397 4.24425 4.63504	Water	1.37	ug/L	4.454420	0.197054	
1,2-Dibromo-3-chloropropane Raw Data: 5.76345 6.26035 5.90388	Water	1.78	ug/L	5.975893	0.256158	
1,2,4-Trichlorobenzene Raw Data: 4.30213 4.01685 4.07513	Water	1.05	ug/L	4.131370	0.150726	
1,2-Dichloroethene (total) Raw Data: 10.5004 9.42713 10.0138	Water	3.74	ug/L	9.980443	0.537412	

DETECTION LIMIT STUDY

Method.....:OLM03.2
Analyst.....:David Humbert
Equipment ID.:MSN
Analysis Date:05/07/2002(grp 1)

Date...:2003-07-17
Units.:ug/L
Batch.:5236
T-Val.:6.965

COMPOUND/ELEMENT/TEST	Matrix	Det. Lim.	Units	Mean	Std. Dev.	Grp

Xylenes (total)	Water	2.21	ug/L	14.197133	0.317554	
Raw Data: 14.4941 13.8623 14.2350						

LABORATORY TEST RESULTS

Job Number: 204118

Date: 07/16/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Byatt

Customer Sample ID: MW-1
Date Sampled.....: 07/09/2003
Time Sampled.....: 14:40
Sample Matrix.....: Water

Laboratory Sample ID: 204118-1
Date Received.....: 07/10/2003
Time Received.....: 19:05

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	RATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)	ND	U	1	5	1.00000	ug/L	19543		07/15/03 1643	pan
	Chloromethane	ND	U	1	5	1.00000	ug/L	19543		07/15/03 1643	pan
	Vinyl chloride	ND	U	3	5	1.00000	ug/L	19543		07/15/03 1643	pan
	Bromomethane	ND	U	0.8	5	1.00000	ug/L	19543		07/15/03 1643	pan
	Chloroethane	ND	U	0.8	5	1.00000	ug/L	19543		07/15/03 1643	pan
	1,1-Dichloroethene	ND	U	0.6	5	1.00000	ug/L	19543		07/15/03 1643	pan
	Carbon disulfide	ND	U	2	10	1.00000	ug/L	19543		07/15/03 1643	pan
	Acetone	ND	U	0.4	5	1.00000	ug/L	19543		07/15/03 1643	pan
	Methylene chloride	ND	U	0.6	5	1.00000	ug/L	19543		07/15/03 1643	pan
	trans-1,2-Dichloroethene	ND	U	0.6	5	1.00000	ug/L	19543		07/15/03 1643	pan
	1,1-Dichloroethane	ND	U	0.6	5	1.00000	ug/L	19543		07/15/03 1643	pan
	Vinyl acetate	ND	U	2	5	1.00000	ug/L	19543		07/15/03 1643	pan
	cis-1,2-Dichloroethene	ND	U	0.6	5	1.00000	ug/L	19543		07/15/03 1643	pan
	2-Butanone (MEK)	ND	U	1	10	1.00000	ug/L	19543		07/15/03 1643	pan
	Chloroform	ND	U	0.4	5	1.00000	ug/L	19543		07/15/03 1643	pan
	1,1,1-Trichloroethane	ND	U	0.4	5	1.00000	ug/L	19543		07/15/03 1643	pan
	Carbon tetrachloride	ND	U	0.3	5	1.00000	ug/L	19543		07/15/03 1643	pan
	Benzene	ND	U	0.4	5	1.00000	ug/L	19543		07/15/03 1643	pan
	1,2-Dichloroethane	ND	U	0.3	5	1.00000	ug/L	19543		07/15/03 1643	pan
	Trichloroethene	ND	U	0.7	5	1.00000	ug/L	19543		07/15/03 1643	pan
	1,2-Dichloropropane	ND	U	0.6	5	1.00000	ug/L	19543		07/15/03 1643	pan
	Bromodichloromethane	ND	U	0.6	5	1.00000	ug/L	19543		07/15/03 1643	pan
	cis-1,3-Dichloropropene	ND	U	0.6	5	1.00000	ug/L	19543		07/15/03 1643	pan
	4-Methyl-2-pentanone (MIBK)	ND	U	0.5	10	1.00000	ug/L	19543		07/15/03 1643	pan
	Toluene	ND	U	0.3	5	1.00000	ug/L	19543		07/15/03 1643	pan
	trans-1,3-Dichloropropene	ND	U	0.4	5	1.00000	ug/L	19543		07/15/03 1643	pan
	1,1,2-Trichloroethane	ND	U	0.8	5	1.00000	ug/L	19543		07/15/03 1643	pan
	Tetrachloroethene	ND	U	0.4	5	1.00000	ug/L	19543		07/15/03 1643	pan
	2-Hexanone	ND	U	0.4	5	1.00000	ug/L	19543		07/15/03 1643	pan

0000030

* In Description: Dry Wet

Job Number: 204118 Date: 07/16/2003

LABORATORY TEST RESULTS

Customer Sample ID: MW-2 Laboratory Sample ID: 204118-2
 Date Sampled: 07/09/2003 Date Received: 07/10/2003
 Time Sampled: 13:30 Time Received: 19:05
 Sample Matrix: Water

JSTOMER: Walden Associates PROJECT: 218 LAKEVILLE ROAD A ATTN: Stephen Byatt

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND		U	0.2	5	1.00000	ug/L	19543		07/15/03 1711	pam
	Chlorobenzene	ND		U	0.2	5	1.00000	ug/L	19543		07/15/03 1711	pam
	Ethylbenzene	ND		U	0.3	5	1.00000	ug/L	19543		07/15/03 1711	pam
	Styrene	ND		U	0.4	5	1.00000	ug/L	19543		07/15/03 1711	pam
	Bromoform	ND		U	0.4	5	1.00000	ug/L	19543		07/15/03 1711	pam
	1,1,2,2-Tetrachloroethane	ND		U	0.7	5	1.00000	ug/L	19543		07/15/03 1711	pam
	Xylenes (total)	ND		U	1	5	1.00000	ug/L	19543		07/15/03 1711	pam

Job Number: 204118

LABORATORY TEST RESULTS

Date: 07/16/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Byatt

Customer Sample ID: MW-1
Date Sampled.....: 07/09/2003
Time Sampled.....: 14:40
Sample Matrix.....: Water

Laboratory Sample ID: 204118-1
Date Received.....: 07/10/2003
Time Received.....: 19:05

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RI	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U	0.2	5	1.00000	ug/L	19543		07/15/03 1643	pam
	Chlorobenzene	ND	U	0.2	5	1.00000	ug/L	19543		07/15/03 1643	pam
	Ethylbenzene	ND	U	0.3	5	1.00000	ug/L	19543		07/15/03 1643	pam
	Styrene	ND	U	0.4	5	1.00000	ug/L	19543		07/15/03 1643	pam
	Bromoform	ND	U	0.4	5	1.00000	ug/L	19543		07/15/03 1643	pam
	1,1,2,2-Tetrachloroethane	ND	U	0.7	5	1.00000	ug/L	19543		07/15/03 1643	pam
	Xylenes (total)	ND	U	1	5	1.00000	ug/L	19543		07/15/03 1643	pam

1300000

STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\\Files\\chem\\VOA\\msn.i\\N037974.b\\N7990.D
Lab Smp Id: 204118-1 Client Smp ID: MW-1
Inj Date : 15-JUL-2003 16:43 MS Autotune Date: 23-JUN-2003 09:04
Operator : D. HUMBERT Inst ID: msn.i
Smp Info : 204118-1
Misc Info : : ;;; MW-1 ; 8260B ;1; LLW
Comment :
Method : \\TARGET1_CT\\Files\\chem\\VOA\\msn.i\\N037974.b\\N8260BFW.m
Meth Date : 15-Jul-2003 10:39 dave Quant Type: ISTD
Cal Date : 03-JUN-2003 14:31 Cal File: N7515.D
Als bottle: 58
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.10
Compound Sublist: 8260BAP9.sub

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Handwritten signature
7/16/03

Compounds	QUANT SIG						CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE		ON-COLUMN	FINAL
=====	=====	=====	=====	=====	=====		(ug/L)	ug/L
* 1 Fluorobenzene	96	5.131	5.137 (1.000)		89721		25.0000	
\$ 36 Dibromofluoromethane	111	4.165	4.191 (0.816)		25267		27.2374	27
\$ 50 1,2-Dichloroethane-d4	65	4.816	4.812 (0.939)		25861		27.0075	27
* 68 Chlorobenzene-d5	117	8.147	8.143 (1.000)		61172		25.0000	
\$ 70 Toluene-d8	98	6.737	6.734 (0.827)		73618		23.4318	23
* 87 1,4-Dichlorobenzene-d4	152	10.197	10.193 (1.000)		30676		25.0000	
\$ 114 Bromofluorobenzene	95	9.221	9.217 (0.904)		22983		22.7888	23

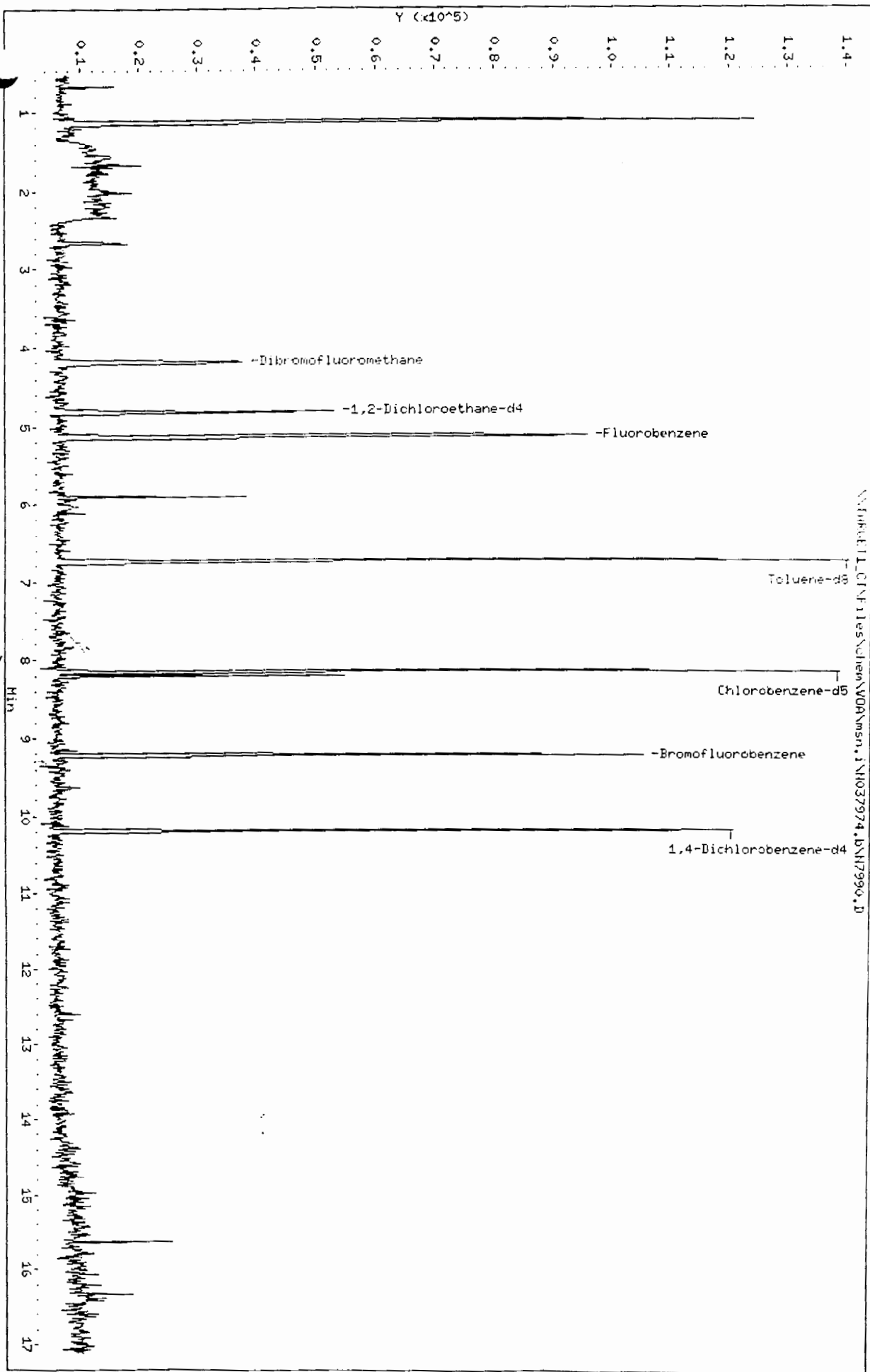
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Data File: \\TARGET1\CT\Files\Chem\WUH\msn.1\H037974.b\H7990.D
Date: 15-JUL-2003 16:43

Client ID: MW-1
Sample Info: 204118-1
Purge Volume: 5.0
Column phase: RTX-624

Instrument: msn.1

Operator: D. HUBERT
Column diameter: 0.53



STL-CT

Volatile Report SW-846 Method 8260B
 Data file : \\TARGET1_CT\Files\chem\VOA\msn.i\N037974.b\N7991.D
 Lab Smp Id: 204118-2 Client Smp ID: MW-2
 Inj Date : 15-JUL-2003 17:11 MS Autotune Date: 23-JUN-2003 09:04
 Operator : D. HUMBERT Inst ID: msn.i
 Smp Info : 204118-2
 Misc Info : : ;;; MW-2 ; 8260B ;1; LLW
 Comment :
 Method : \\TARGET1_CT\Files\chem\VOA\msn.i\N037974.b\N8260BFW.m
 Meth Date : 15-Jul-2003 10:39 dave Quant Type: ISTD
 Cal Date : 03-JUN-2003 14:31 Cal File: N7515.D
 Als bottle: 59
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.10
 Compound Sublist: 8260BAP9.sub

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

M. Crow
 7/16/03

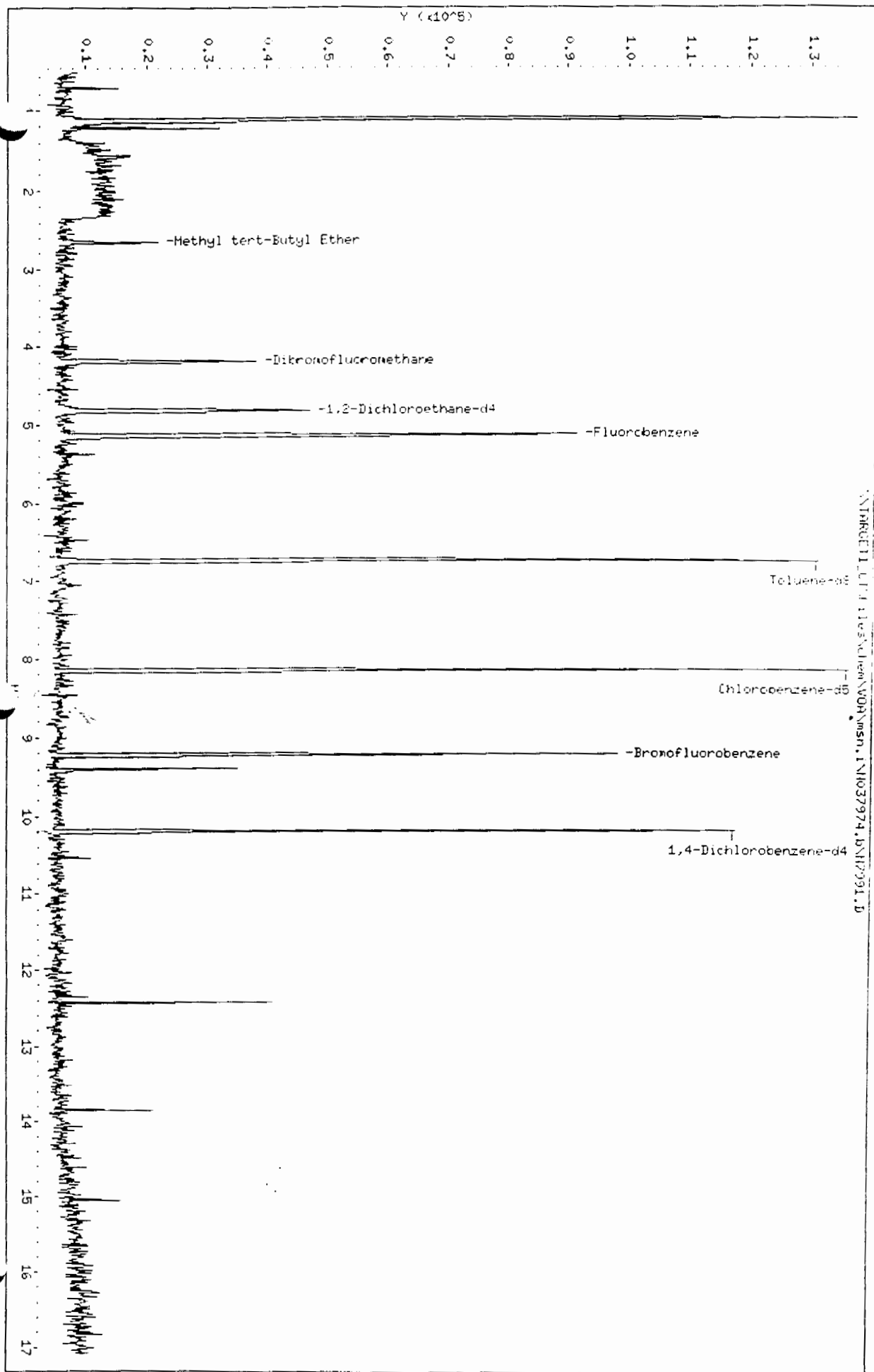
Compounds	QUANT SIG						CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE		ON-COLUMN	FINAL
							(ug/L)	(ug/L)
=====								
* 1 Fluorobenzene	96	5.132	5.137	(1.000)	89656		25.0000	
19 Methyl tert-Butyl Ether	73	2.658	2.654	(0.518)	10466		3.59031	4
\$ 36 Dibromofluoromethane	111	4.186	4.191	(0.816)	23916		25.8000	26
\$ 50 1,2-Dichloroethane-d4	65	4.826	4.812	(0.940)	24388		25.4877	25
* 68 Chlorobenzene-d5	117	8.147	8.143	(1.000)	55762		25.0000	
\$ 70 Toluene-d8	95	6.738	6.734	(0.827)	73431		23.9241	24
* 87 1,4-Dichlorobenzene-d4	152	10.187	10.193	(1.000)	30797		25.0000	
\$ 114 Bromofluorobenzene	93	9.222	9.217	(0.905)	22913		22.6301	23

Data File: N:\HRETEL\CT\Files\2004\07\04\01\01.D
Date : 15-JUL-2003 17:11

Client ID: HM-2
Sample Info: 204118-2
Purge Volume: 5.0
Column phase: RTX-624

Instrument: msn.1

Operator: D. HUIBERT
Column diameter: 0.53



LABORATORY TEST RESULTS

Date: 07/16/2003

Job Number: 204118

ATTN: Stephen Byatt

PROJECT: 218 LAKEVILLE ROAD A

Customer: Walden Associates

Laboratory Sample ID: 204118-2
Date Received: 07/10/2003
Time Received: 19:05

Customer Sample ID: MW-2
Date Sampled: 07/09/2003
Time Sampled: 13:30
Sample Matrix: Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	O	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.2	5	1.00000	ug/L	19543		07/15/03 1711	pam
	Chlorobenzene	ND	U		0.2	5	1.00000	ug/L	19543		07/15/03 1711	pam
	Ethylbenzene	ND	U		0.3	5	1.00000	ug/L	19543		07/15/03 1711	pam
	Styrene	ND	U		0.4	5	1.00000	ug/L	19543		07/15/03 1711	pam
	Bromoform	ND	U		0.4	5	1.00000	ug/L	19543		07/15/03 1711	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.7	5	1.00000	ug/L	19543		07/15/03 1711	pam
	Xylenes (total)	ND	U		1	5	1.00000	ug/L	19543		07/15/03 1711	pam

STL-CT

Volatile Report SW-846 Method 8260B
 Data file : \\TARGET1_CT\Files\chem\VOA\msn.i\N037974.b\N7991.D
 Lab Smp Id: 204118-2 Client Smp ID: MW-2
 Inj Date : 15-JUL-2003 17:11 MS Autotune Date: 23-JUN-2003 09:04
 Operator : D. HUMBERT Inst ID: msn.i
 Smp Info : 204118-2
 Misc Info : : ;;; MW-2 ; 8260B ;1; LLW
 Comment :
 Method : \\TARGET1_CT\Files\chem\VOA\msn.i\N037974.b\N8260BFW.m
 Meth Date : 15-Jul-2003 10:39 dave Quant Type: ISTD
 Cal Date : 03-JUN-2003 14:31 Cal File: N7515.D
 Als bottle: 59
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: 8260BAP9.sub
 Target Version: 4.10

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

M. C. C.
 7/16/03

Compounds	QUANT SIG						CONCENTRATIONS	
	MASS		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
* 1 Fluorobenzene	96		5.132	5.137	(1.000)	89656	25.0000	
19 Methyl tert-Butyl Ether	73		2.658	2.654	(0.518)	10466	3.59031	4
\$ 36 Dibromofluoromethane	111		4.186	4.191	(0.816)	23916	25.8000	26
\$ 50 1,2-Dichloroethane-d4	65		4.826	4.812	(0.940)	24388	25.4877	25
* 68 Chlorobenzene-d5	117		8.147	8.143	(1.000)	59761	25.0000	
\$ 70 Toluene-d8	98		6.736	6.734	(0.827)	73431	23.9241	24
* 87 1,4-Dichlorobenzene-d4	152		10.167	10.193	(1.000)	30797	25.0000	
\$ 114 Bromofluorobenzene	95		9.222	9.217	(0.905)	22913	22.6301	23

Data File: \N1ARCE11.CT\Files\Nchem\Nchem.ms,1\NO37974.D\J17991.D
Date : 15-JUL-2003 17:11

Client ID: MW-2

Sample Info: 204118-2

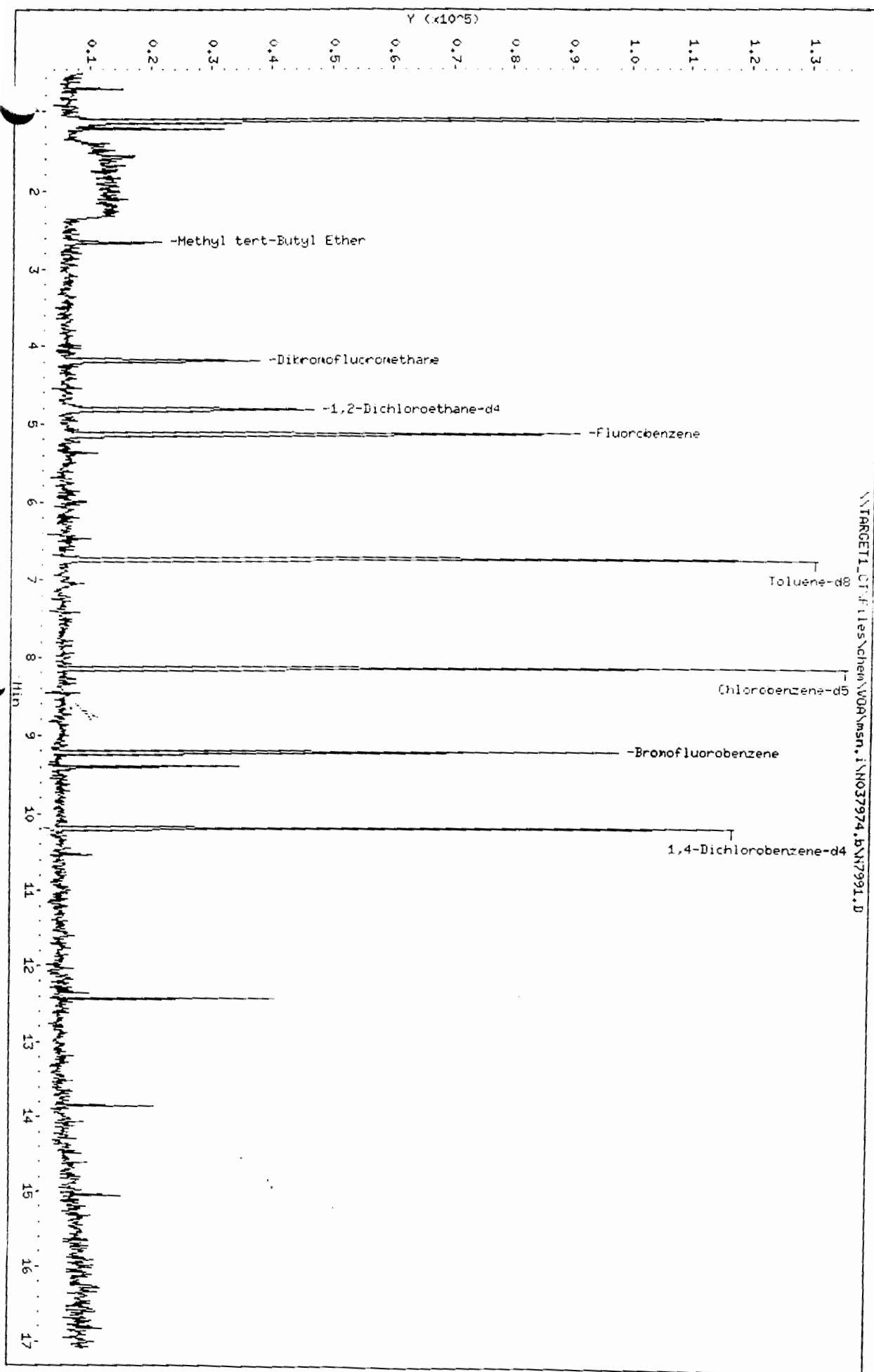
Purge Volume: 5.0

Column phase: RTX-624

Instrument: msu.1

Operator: D. HUIBERT

Column diameter: 0.53



0000037

LABORATORY TEST RESULTS											
Job Number: 204118				Date: 07/16/2003							
CUSTOMER: Walden Associates				PROJECT: 218 LAKEVILLE ROAD A							
Customer Sample ID: MW-3 Date Sampled: 07/09/2003 Time Sampled: 11:10 Sample Matrix: Water				Laboratory Sample ID: 204118-3 Date Received: 07/10/2003 Time Received: 19:05 ATTN: Stephen Byatt							
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDI	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
82608	Volatile Organics (5mL Purge)	ND	U	1	5	1.00000	ug/L	19543		07/15/03 1738	pam
	Chloromethane	ND	U	1	5	1.00000	ug/L	19543		07/15/03 1738	pam
	Vinyl chloride	ND	U	3	5	1.00000	ug/L	19543		07/15/03 1738	pam
	Bromomethane	ND	U	0.8	5	1.00000	ug/L	19543		07/15/03 1738	pam
	Chloroethane	ND	U	0.8	5	1.00000	ug/L	19543		07/15/03 1738	pam
	1,1-Dichloroethene	ND	U	0.6	5	1.00000	ug/L	19543		07/15/03 1738	pam
	Carbon disulfide	ND	U	2	5	1.00000	ug/L	19543		07/15/03 1738	pam
	Acetone	ND	U	2	10	1.00000	ug/L	19543		07/15/03 1738	pam
	Methylene chloride	ND	U	0.4	5	1.00000	ug/L	19543		07/15/03 1738	pam
	trans-1,2-Dichloroethene	ND	U	0.6	5	1.00000	ug/L	19543		07/15/03 1738	pam
	1,1-Dichloroethane	ND	U	0.6	5	1.00000	ug/L	19543		07/15/03 1738	pam
	Vinyl acetate	ND	U	2	5	1.00000	ug/L	19543		07/15/03 1738	pam
	cis-1,2-Dichloroethene	ND	U	0.6	5	1.00000	ug/L	19543		07/15/03 1738	pam
	2-Butanone (MEK)	ND	U	1	10	1.00000	ug/L	19543		07/15/03 1738	pam
	Chloroform	ND	U	0.4	5	1.00000	ug/L	19543		07/15/03 1738	pam
	1,1,1-Trichloroethane	ND	U	0.4	5	1.00000	ug/L	19543		07/15/03 1738	pam
	Carbon tetrachloride	ND	U	0.3	5	1.00000	ug/L	19543		07/15/03 1738	pam
	Benzene	ND	U	0.4	5	1.00000	ug/L	19543		07/15/03 1738	pam
	1,2-Dichloroethane	ND	U	0.3	5	1.00000	ug/L	19543		07/15/03 1738	pam
	Trichloroethene	ND	U	0.7	5	1.00000	ug/L	19543		07/15/03 1738	pam
	1,2-Dichloropropane	ND	U	0.6	5	1.00000	ug/L	19543		07/15/03 1738	pam
	Bromodichloromethane	ND	U	0.6	5	1.00000	ug/L	19543		07/15/03 1738	pam
	cis-1,3-Dichloropropene	ND	U	0.6	5	1.00000	ug/L	19543		07/15/03 1738	pam
	4-Methyl-2-pentanone (MIBK)	ND	U	0.5	10	1.00000	ug/L	19543		07/15/03 1738	pam
	Toluene	ND	U	0.3	5	1.00000	ug/L	19543		07/15/03 1738	pam
	trans-1,3-Dichloropropene	ND	U	0.4	5	1.00000	ug/L	19543		07/15/03 1738	pam
	1,1,2-Trichloroethane	ND	U	0.4	5	1.00000	ug/L	19543		07/15/03 1738	pam
	Tetrachloroethene	ND	U	0.4	5	1.00000	ug/L	19543		07/15/03 1738	pam
	2-Hexanone	ND	U	0.4	5	1.00000	ug/L	19543		07/15/03 1738	pam

* in Description = Dry Wgt.

0000038

LABORATORY TEST RESULTS

Job Number: 204118

Date: 07/16/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Byatt

Customer Sample ID: MW-3
Date Sampled.....: 07/09/2003
Time Sampled.....: 11:10
Sample Matrix.....: Water

Laboratory Sample ID: 204118-3
Date Received.....: 07/10/2003
Time Received.....: 19:05

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.2	5	1.00000	ug/L	19543		07/15/03 1738	pam
	Chlorobenzene	ND	U		0.2	5	1.00000	ug/L	19543		07/15/03 1738	pam
	Ethylbenzene	ND	U		0.3	5	1.00000	ug/L	19543		07/15/03 1738	pam
	Styrene	ND	U		0.4	5	1.00000	ug/L	19543		07/15/03 1738	pam
	Bromoform	ND	U		0.4	5	1.00000	ug/L	19543		07/15/03 1738	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.7	5	1.00000	ug/L	19543		07/15/03 1738	pam
	Xylenes (total)	ND	U		1	5	1.00000	ug/L	19543		07/15/03 1738	pam

0000039

STL-CT

Volatile Report SW-846 Method 8260B
 Data file : \\TARGET1_CT\\Files\\chem\\VOA\\msn.i\\N037974.b\\N7992.D
 Lab Smp Id: 204118-3 Client Smp ID: MW-3
 Inj Date : 15-JUL-2003 17:38 MS Autotune Date: 23-JUN-2003 09:04
 Operator : D. HUMBERT Inst ID: msn.i
 Smp Info : 204118-3
 Misc Info : : ;;; MW-3 ; 8260B ;1; LLW
 Comment :
 Method : \\TARGET1_CT\\Files\\chem\\VOA\\msn.i\\N037974.b\\N8260BFW.m
 Meth Date : 15-Jul-2003 10:39 dave Quant Type: ISTD
 Cal Date : 03-JUN-2003 14:31 Cal File: N7515.D
 Als bottle: 60
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: 8260BAP9.sub
 Target Version: 4.10

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

J. Crow
 7/16/03

Compounds	QUANT SIG						CONCENTRATIONS	
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL
							(ug/L)	ug/L
* 1 Fluorobenzene	96		5.134	5.137 (1.000)		82230	25.0000	
\$ 36 Dibromofluoromethane	111		4.178	4.191 (0.814)		23705	27.8817	28
\$ 50 1,2-Dichloroethane-d4	65		4.818	4.812 (0.939)		26323	29.9943	30
* 68 Chlorobenzene-d5	117		8.150	8.143 (1.000)		59122	25.0000	
\$ 70 Toluene-d8	98		6.740	6.734 (0.827)		71206	23.4500	23
* 87 1,4-Dichlorobenzene-d4	152		10.190	10.193 (1.000)		31064	25.0000	
\$ 114 Bromofluorobenzene	95		9.224	9.217 (0.905)		21883	21.4270	21

LABORATORY TEST RESULTS

Job Number: 204118

Date: 07/16/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Byatt

Customer Sample ID: MW-4
 Date Sampled.....: 07/09/2003
 Time Sampled.....: 12:10
 Sample Matrix.....: Water

Laboratory Sample ID: 204118-4
 Date Received.....: 07/10/2003
 Time Received.....: 19:05

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)	ND	U		1	5	1.00000	ug/L	19543		07/15/03 1806	pam
	Chloromethane	ND	U		1	5	1.00000	ug/L	19543		07/15/03 1806	pam
	Vinyl chloride	ND	U		3	5	1.00000	ug/L	19543		07/15/03 1806	pam
	Bromomethane	ND	U		0.8	5	1.00000	ug/L	19543		07/15/03 1806	pam
	Chloroethane	ND	U		0.8	5	1.00000	ug/L	19543		07/15/03 1806	pam
	1,1-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	19543		07/15/03 1806	pam
	Carbon disulfide	ND	U		2	5	1.00000	ug/L	19543		07/15/03 1806	pam
	Acetone	ND	U		0.4	10	1.00000	ug/L	19543		07/15/03 1806	pam
	Methylene chloride	ND	U	B	0.6	5	1.00000	ug/L	19543		07/15/03 1806	pam
	trans-1,2-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	19543		07/15/03 1806	pam
	1,1-Dichloroethane	ND	U		2	5	1.00000	ug/L	19543		07/15/03 1806	pam
	Vinyl acetate	ND	U		0.6	5	1.00000	ug/L	19543		07/15/03 1806	pam
	cis-1,2-Dichloroethene	ND	U		1	5	1.00000	ug/L	19543		07/15/03 1806	pam
	2-Butanone (MEK)	ND	U		0.4	10	1.00000	ug/L	19543		07/15/03 1806	pam
	Chloroform	ND	U		0.4	5	1.00000	ug/L	19543		07/15/03 1806	pam
	1,1,1-Trichloroethane	ND	U		0.4	5	1.00000	ug/L	19543		07/15/03 1806	pam
	Carbon tetrachloride	ND	U		0.3	5	1.00000	ug/L	19543		07/15/03 1806	pam
	Benzene	ND	U		0.4	5	1.00000	ug/L	19543		07/15/03 1806	pam
	1,2-Dichloroethane	ND	U		0.3	5	1.00000	ug/L	19543		07/15/03 1806	pam
	Trichloroethene	ND	U		0.7	5	1.00000	ug/L	19543		07/15/03 1806	pam
	1,2-Dichloropropane	ND	U		0.6	5	1.00000	ug/L	19543		07/15/03 1806	pam
	Bromodichloromethane	ND	U		0.6	5	1.00000	ug/L	19543		07/15/03 1806	pam
	cis-1,3-Dichloropropene	ND	U		0.6	5	1.00000	ug/L	19543		07/15/03 1806	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.5	10	1.00000	ug/L	19543		07/15/03 1806	pam
	Toluene	ND	U		0.3	5	1.00000	ug/L	19543		07/15/03 1806	pam
	trans-1,3-Dichloropropene	ND	U		0.4	5	1.00000	ug/L	19543		07/15/03 1806	pam
	1,1,2-Trichloroethane	ND	U		0.8	5	1.00000	ug/L	19543		07/15/03 1806	pam
	Tetrachloroethene	ND	U		0.4	5	1.00000	ug/L	19543		07/15/03 1806	pam
	2-Hexanone	ND	U		1	10	1.00000	ug/L	19543		07/15/03 1806	pam

STL-CT

Volatile Report SW-846 Method 8260B

Data File: \\TARGET1 CT\\files\\chem\\VOA\\msn.1\\N037974.b\\N7993.D

Lab Smp Id: 204118-4

Inj Date: 15-JUL-2003 18:06

Operator: D. HUMBERT

Smp Info: 204118-4

Misc Info: : : : MW-4 : 8260B : 1 : LTM

Comment :
Method : \\TARGET1 CT\\files\\chem\\VOA\\msn.1\\N037974.b\\N8260BFW.m

Meth Date: 15-JUL-2003 10:39 dave

Cal Date: 03-JUN-2003 14:31

Cal File: N7515.D

Compound Sublist: 8260BAP9.sub

Target Version: 4.10

Integrator: HP RTE

Dil Factor: 1.00000

Concentration Formula: Amt * DF * UF * 1/Vo * CpndVariable

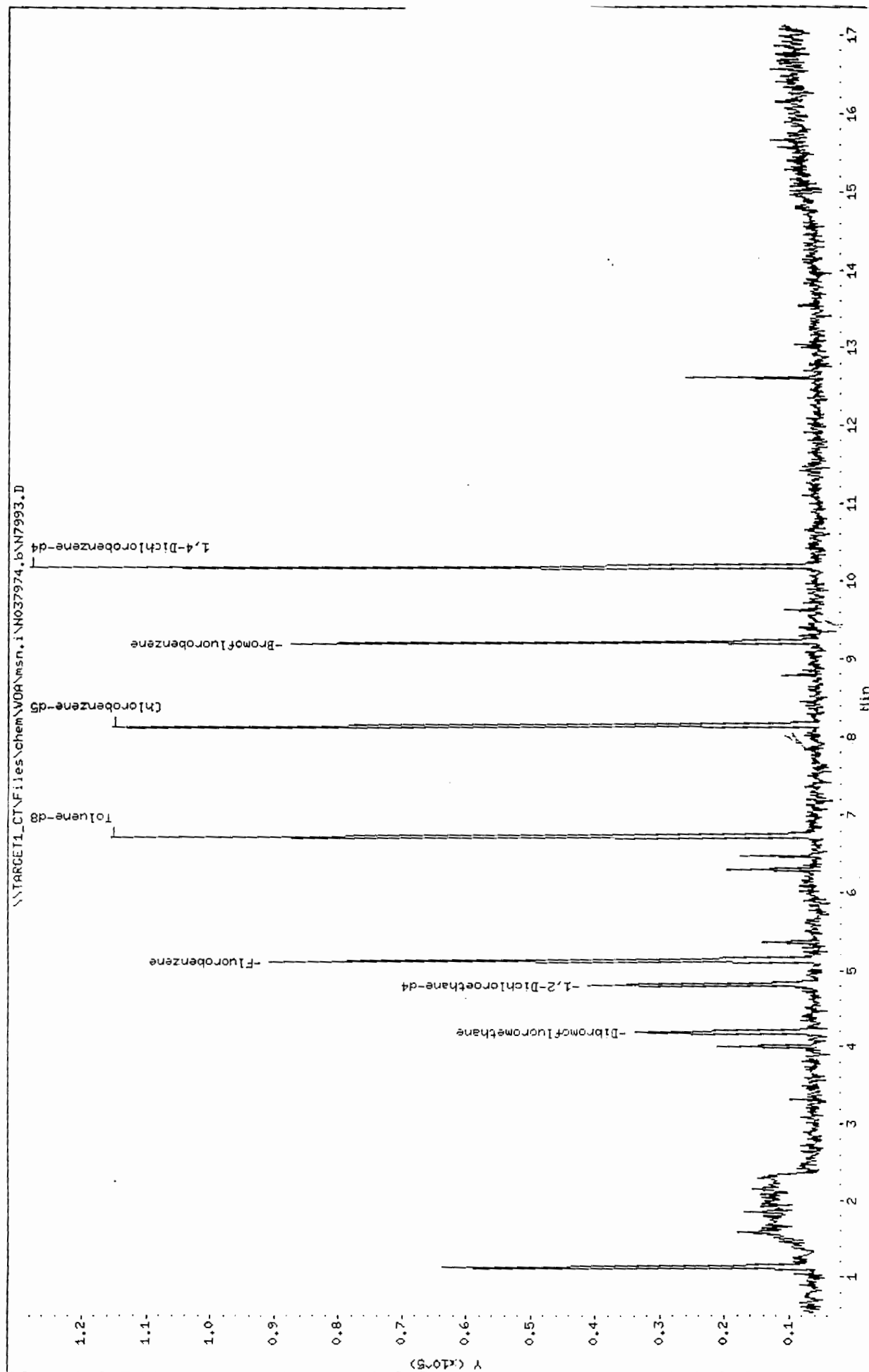
Name	Value	Description
DF	1.000	Dilution Factor
UF	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Handwritten signature and date:
7/16/03

Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL
1 Fluorobenzene	96	5.137	5.137	(1.000)	81238	25.0000	
36 Dibromofluoromethane	111	4.191	4.191	(0.816)	21810	25.9661	26
50 1,2-Dichloroethane-d4	65	4.821	4.812	(0.939)	23535	27.1449	27
69 Chlorobenzene-d5	117	8.152	8.143	(1.000)	56854	25.0000	23
70 Toluene-d8	98	6.743	6.734	(0.927)	66367	22.7282	
87 1,4-Dichlorobenzene-d4	152	10.192	10.193	(1.000)	29706	25.0000	22
114 Bromofluorobenzene	95	9.217	9.217	(0.904)	21176	21.6827	

Data File: \\TARGET1\CTNFiles\chem\VOA\msn.i\N037974.b\N47993.D
Date : 15-JUL-2003 18:06
Client ID: HM-4
Sample Info: 204118-4
Purge Volume: 5.0
Column phase: RTX-624

Instrument: msn.i
Operator: D. HUMBERT
Column diameter: 0.53



Job Number : 204118

LABORATORY TEST RESULTS

Date: 07/16/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Byatt

Customer Sample ID: MW-5
 Date Sampled.....: 07/09/2003
 Time Sampled.....: 09:44
 Sample Matrix.....: Water

Laboratory Sample ID: 204118-5
 Date Received.....: 07/10/2003
 Time Received.....: 19:05

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatiles Organics (5mL Purge)	ND	U		1	5	1.00000	ug/L	19543		07/15/03 1834	pam
	Chloromethane	ND	U		1	5	1.00000	ug/L	19543		07/15/03 1834	pam
	Vinyl chloride	ND	U		3	5	1.00000	ug/L	19543		07/15/03 1834	pam
	Bromomethane	ND	U		0.8	5	1.00000	ug/L	19543		07/15/03 1834	pam
	1,1-Dichloroethane	ND	U		0.8	5	1.00000	ug/L	19543		07/15/03 1834	pam
	Carbon disulfide	ND	U		0.6	5	1.00000	ug/L	19543		07/15/03 1834	pam
	Acetone	ND	U		2	10	1.00000	ug/L	19543		07/15/03 1834	pam
	Methylene chloride	ND	U		0.4	5	1.00000	ug/L	19543		07/15/03 1834	pam
	trans-1,2-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	19543		07/15/03 1834	pam
	1,1-Dichloroethane	ND	U		0.6	5	1.00000	ug/L	19543		07/15/03 1834	pam
	Vinyl acetate	ND	U		2	5	1.00000	ug/L	19543		07/15/03 1834	pam
	cis-1,2-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	19543		07/15/03 1834	pam
	2-Butanone (MEK)	ND	U		1	10	1.00000	ug/L	19543		07/15/03 1834	pam
	Chloroform	ND	U		0.4	5	1.00000	ug/L	19543		07/15/03 1834	pam
	1,1,1-Trichloroethane	ND	U		0.4	5	1.00000	ug/L	19543		07/15/03 1834	pam
	Carbon tetrachloride	ND	U		0.3	5	1.00000	ug/L	19543		07/15/03 1834	pam
	Benzene	ND	U		0.4	5	1.00000	ug/L	19543		07/15/03 1834	pam
	1,2-Dichloroethane	ND	U		0.3	5	1.00000	ug/L	19543		07/15/03 1834	pam
	Trichloroethene	ND	U		0.7	5	1.00000	ug/L	19543		07/15/03 1834	pam
	1,2-Dichloropropane	ND	U		0.6	5	1.00000	ug/L	19543		07/15/03 1834	pam
	Bromodichloromethane	ND	U		0.6	5	1.00000	ug/L	19543		07/15/03 1834	pam
	cis-1,3-Dichloropropene	ND	U		0.5	10	1.00000	ug/L	19543		07/15/03 1834	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.3	5	1.00000	ug/L	19543		07/15/03 1834	pam
	Toluene	ND	U		0.5	5	1.00000	ug/L	19543		07/15/03 1834	pam
	trans-1,3-Dichloropropene	ND	U		0.4	5	1.00000	ug/L	19543		07/15/03 1834	pam
	1,1,2-Trichloroethane	ND	U		0.8	5	1.00000	ug/L	19543		07/15/03 1834	pam
	Tetrachloroethene	ND	U		0.4	5	1.00000	ug/L	19543		07/15/03 1834	pam
	2-Hexanone	ND	U		1	10	1.00000	ug/L	19543		07/15/03 1834	pam

* In Description = Dry Wgt.

Job Number: 204118

LABORATORY TEST RESULTS

Date: 07/16/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Byatt

Customer Sample ID: MW-5
Date Sampled: 07/09/2003
Time Sampled: 09:44
Sample Matrix: Water

Laboratory Sample ID: 204118-5
Date Received: 07/10/2003
Time Received: 19:05

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.2	5	1.00000	ug/L	19543		07/15/03 1834	pam
	Chlorobenzene	ND	U		0.2	5	1.00000	ug/L	19543		07/15/03 1834	pam
	Ethylbenzene	ND	U		0.3	5	1.00000	ug/L	19543		07/15/03 1834	pam
	Styrene	ND	U		0.4	5	1.00000	ug/L	19543		07/15/03 1834	pam
	Bromoforn	ND	U		0.4	5	1.00000	ug/L	19543		07/15/03 1834	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.7	5	1.00000	ug/L	19543		07/15/03 1834	pam
	Xylenes (total)	ND	U		1	5	1.00000	ug/L	19543		07/15/03 1834	pam

* In Description = Dry Wgt.

STL-CT

Volatile Report SW-846 Method 8260B
Data file: \\TARGET1\CT\Files\chem\VOA\msn.1\N037974.b\N7994.D
Lab Smp Id: 204118-5
Inj Date: 15-JUL-2003 18:34
Operator: D. HUMBERT
Smp Info: 204118-5
Misc Info: : : : MW-5 : 8260B : 1: LLM
Comment: :
Method: \\TARGET1\CT\Files\chem\VOA\msn.1\N037974.b\N8260BFW.m
Meth Date: 15-Jul-2003 10:39 dave
Cal Date: 03-JUN-2003 14:31
ALS bottle: 62
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.10
Compound Sublist: 8260BAP9.sub

Concentration Formula: Amt * DF * UF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
UF	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CON-COLUMN	FINAL	CONCENTRATIONS
* 1 Fluorobenzene	56	5.136	5.137 (1.000)	78297	25.0000			
\$ 36 Dibromodifluoromethane	111	4.190	4.191 (0.816)	20727	25.6036			26
\$ 50 1,2-Dichloroethane-d4	65	4.811	4.812 (0.937)	23413	28.0186			28
* 68 Chlorobenzene-d5	117	8.152	8.143 (1.000)	56503	25.0000			25
\$ 70 Toluene-d8	98	6.732	6.734 (0.826)	71789	24.7378			
* 87 1,4-Dichlorobenzene-d4	152	10.192	10.193 (1.000)	29276	25.0000			
\$ 114 Bromodifluorobenzene	95	9.216	9.217 (0.904)	20242	21.0307			21

Handwritten: J. L. Lamm
7/16/03

Data File: \\TARGET11_CTNFiles\chem\VOA\msn.1\N037974.b\N17994.D

Date : 15-JUL-2003 18:34

Client ID: HW-5

Sample Info: 204118-5

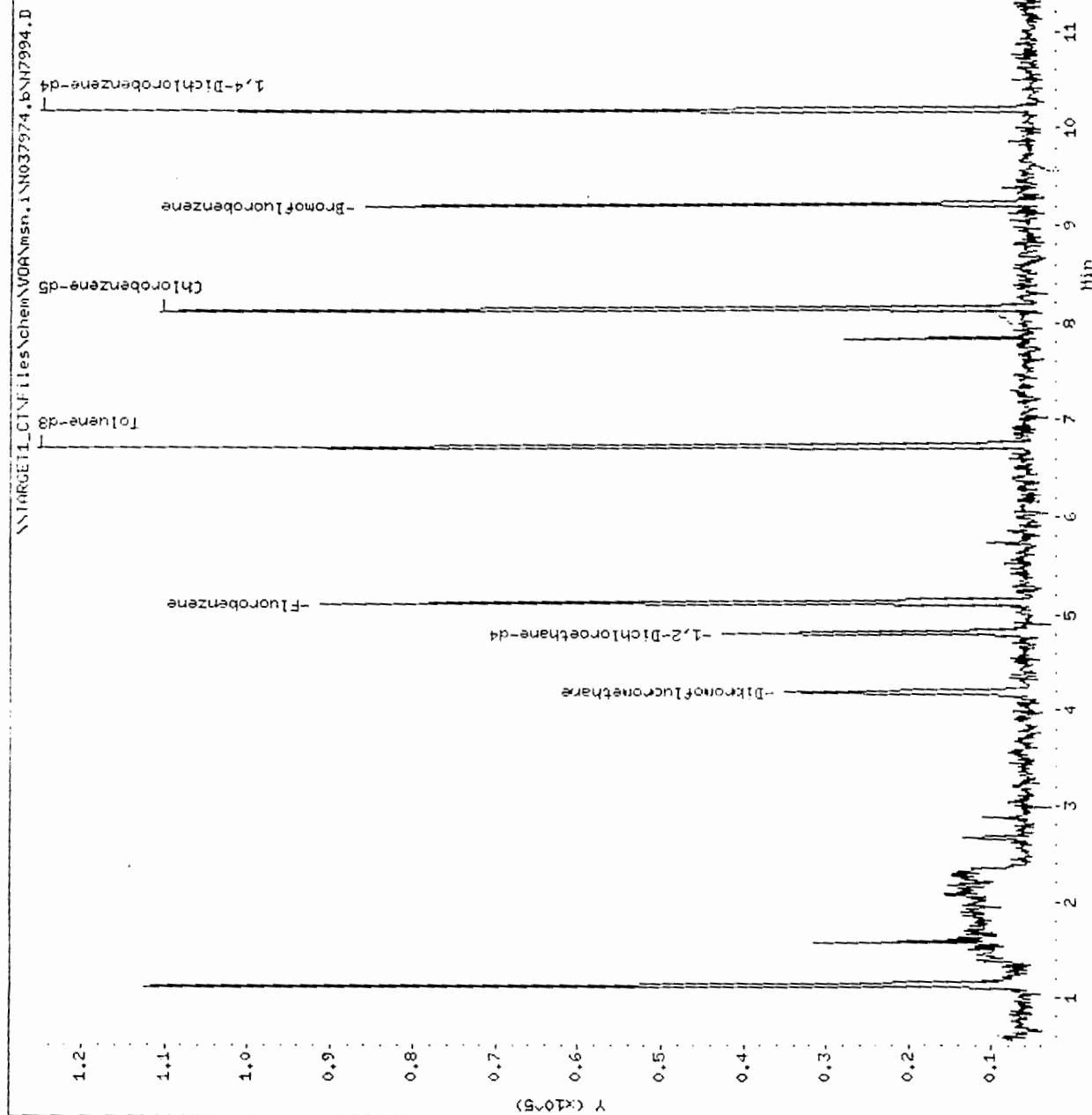
Purge Volume: 5.0

Column phase: RTX-624

Instrument: msn.1

Operator: D. HUBERT

Column diameter: 0.53



6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-CT

Contract:

Lab Code: STLCT

Case No.: 204118

SAS No.:

SDG No.: 204118

Instrument ID: MSN

Calibration Date(s): 06/03/03

06/03/03

Heated Purge: (Y/N) N

Calibration Time(s): 1301

1646

GC Column: RTX-624 ID: 0.53 (mm)

LAB FILE ID:	RRF5 =N7512	RRF20 =N7513					
RRF50 =N7516	RRF100=N7514	RRF200=N7515					
COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	RRF	RSD
Dichlorodifluoromethane	0.312	0.353	0.208	0.323	0.307	0.301	18.2
Chloromethane	* 0.728	0.730	0.520	0.613	0.661	0.650	13.1
Vinyl Chloride	0.491	0.638	0.385	0.512	0.523	0.510	17.7
Bromomethane	0.491	0.496	0.268	0.373	0.239	0.373	32.2
Chloroethane	0.322	0.374	0.247	0.320	0.140	0.281	32.3
Trichlorofluoromethane	0.384	0.452	0.256	0.421	0.503	0.403	23.1
Ethyl Ether	0.351	0.399	0.316	0.365	0.371	0.360	8.4
Freon 141	0.574	0.622	0.399	0.547	0.506	0.531	15.3
Freon 123a	0.094	0.083	0.052	0.076	0.083	0.078	15.3
Trichlorotrifluoroethane	0.341	0.328	0.232	0.306	0.327	0.307	14.1
Acrolein	* 0.058	0.060	0.064	0.076	0.078	0.067	14.1
1,1-Dichloroethene	0.274	0.284	0.272	0.278	0.265	0.275	2.7
Acetone	0.185	0.193	0.218	0.190	0.184	0.194	3.1
Iodomethane	0.264	0.372	0.306	0.372	0.335	0.330	14.0
Carbon Disulfide	1.512	1.433	1.103	1.334	1.157	1.308	13.4
3-Chloro-1-Propene	0.594	0.630	0.566	0.602	0.566	0.592	4.5
tert-Butyl alcohol	* 0.037	0.037	0.039	0.039	0.036	0.038	3.9
Methylene Chloride	0.354	0.319	0.324	0.305	0.277	0.316	8.0
Methyl tert-Butyl Ether	0.794	0.848	0.825	0.823	0.774	0.813	3.3
Ethyl Acetate	0.040	0.038	0.031	0.038	0.036	0.037	9.2
trans-1,2-Dichloroethene	0.274	0.284	0.272	0.278	0.265	0.275	2.7
Acrylonitrile	0.146	0.164	0.177	0.175	0.165	0.165	3.4
1,1-Dichloroethane	* 0.542	0.617	0.559	0.594	0.566	0.576	5.2
2,2-Dichloropropane	0.374	0.398	0.302	0.404	0.368	0.369	11.0
cis-1,2-Dichloroethene	0.309	0.314	0.326	0.322	0.311	0.316	2.3
2-Butanone	0.278	0.284	0.294	0.295	0.294	0.289	2.5
Methyl Acrylate	0.382	0.418	0.337	0.441	0.470	0.410	12.6
Propionitrile	0.054	0.060	0.066	0.068	0.068	0.063	9.4
Bromochloromethane	0.152	0.149	0.158	0.153	0.147	0.152	2.8
2-Methyl-2-Propenenitrile	0.263	0.286	0.318	0.354	0.354	0.315	12.9
Tetrahydrofuran	0.146	0.159	0.164	0.176	0.175	0.164	7.6
Chloroform	0.498	0.540	0.502	0.528	0.505	0.515	3.6
1,1,1-Trichloroethane	0.300	0.328	0.280	0.335	0.323	0.313	7.3
1-Chlorobutane	0.624	0.643	0.554	0.660	0.642	0.625	6.7
Carbon Tetrachloride	0.235	0.244	0.202	0.266	0.253	0.240	10.1
Chloroacetonitrile	* 0.017	0.021	0.022	0.024	0.027	0.022	17.3
1,1-Dichloropropene	0.412	0.414	0.360	0.438	0.417	0.408	7.1

* Compounds with required minimum RRF and maximum %RSD values.

All other compounds must meet a minimum RRF of 0.010.

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-CT

Contract:

Lab Code: STLCT

Case No.: 204118 SAS No.:

SDG No.: 204118

Instrument ID: MSN

Calibration Date(s): 06/03/03 06/03/03

Heated Purge: (Y/N) N

Calibration Time(s): 1301 1646

GC Column: RTX-624 ID: 0.53 (mm)

LAB FILE ID:	RRF5 =N7512	RRF20 =N7513
RRF50 =N7516	RRF100=N7514	RRF200=N7515

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	RRF	RSD
=====	=====	=====	=====	=====	=====	=====	=====
Benzene	1.264	1.328	1.285	1.346	1.318	1.308	2.6
1,2-Dichloroethane	0.315	0.337	0.296	0.372	0.349	0.334	8.9
2-Chloro-1,3-Butadiene	0.231	0.266	0.238	0.276	0.258	0.254	7.5
Vinyl Acetate	0.984	1.000	0.551	1.056	0.867	0.892	12.7
Trichloroethene	0.264	0.293	0.292	0.314	0.323	0.297	7.7
1,2-Dichloropropane	0.326	0.368	0.372	0.394	0.408	0.374	8.3
Methyl Methacrylate	0.264	0.304	0.320	0.349	0.361	0.328	12.1
1,4-Dioxane	* 0.014	0.014	0.015	0.016	0.018	0.018	1.1
Dibromomethane	0.213	0.223	0.232	0.246	0.257	0.234	7.6
Bromodichloromethane	0.357	0.410	0.395	0.441	0.437	0.408	8.4
2-Nitropropane	0.090	0.119	0.091	0.134	0.125	0.112	18.1
2-Chloroethylvinylether	* 0.182	0.212	0.226	0.234	0.238	0.218	10.2
cis-1,3-Dichloropropene	0.506	0.565	0.555	0.640	0.653	0.584	10.6
trans-1,3-Dichloropropene	0.434	0.508	0.476	0.567	0.602	0.517	13.1
1,1,2-Trichloroethane	0.246	0.285	0.295	0.316	0.345	0.297	12.4
4-Methyl-2-Pentanone	0.721	0.816	0.790	0.830	0.784	0.788	5.3
Toluene	1.834	1.791	1.780	1.752	1.413	1.714	10.0
Ethyl Methacrylate	0.451	0.527	0.549	0.558	0.543	0.526	6.1
Tetrachloroethene	0.335	0.313	0.300	0.333	0.320	0.320	4.6
1,3-Dichloropropane	0.784	0.832	0.845	0.860	0.816	0.827	3.5
2-Hexanone	0.516	0.561	0.581	0.620	0.571	0.570	6.6
Dibromochloromethane	0.407	0.449	0.438	0.462	0.425	0.436	4.8
1,2-Dibromoethane	0.408	0.440	0.464	0.451	0.442	0.441	4.7
1,1-Dichloro-2-propanone	0.383	0.425	0.354	0.456	0.359	0.395	11.1
1-Chlorohexane	0.746	0.792	0.627	0.728	0.746	0.728	8.4
Chlorobenzene	* 1.031	1.126	1.103	1.146	1.870	1.255	27.6*
1,1,1,2-Tetrachloroethane	0.309	0.333	0.349	0.372	0.357	0.344	7.0
Ethylbenzene	0.523	0.541	0.534	0.594	0.583	0.555	5.7
Xylene (total)mp	0.667	0.721	0.686	0.781	1.882	0.947	55.4
Xylene (total)o	0.593	0.674	0.643	0.730	0.714	0.671	8.3
Styrene	1.078	1.141	1.138	1.317	1.133	1.161	7.8
Bromoform	* 0.298	0.345	0.332	0.388	0.358	0.344	9.7
Isopropylbenzene	2.955	2.950	3.056	2.589	2.258	2.762	12.0
1,1,2,2-Tetrachloroethane	* 1.514	1.305	1.420	1.257	1.409	1.381	7.3*
Bromobenzene	0.814	0.809	0.901	0.742	0.857	0.825	7.2
1,2,3-Trichloropropane	0.265	0.253	0.301	0.260	0.294	0.275	7.7
trans-1,4-Dichloro-2-Butene	0.345	0.374	0.378	0.358	0.358	0.363	3.6

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-CT

Contract:

Lab Code: STLCT

Case No.: 204118

SAS No.:

SDG No.: 204118

Instrument ID: MSN

Calibration Date(s): 06/03/03

06/03/03

Heated Purge: (Y/N) N

Calibration Time(s): 1301

1646

GC Column: RTX-624 ID: 0.53 (mm)

LAB FILE ID:	RRF5 =N7512	RRF20 =N7513					
RRF50 =N7516	RRF100=N7514	RRF200=N7515					
COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	RRF	%RSD
n-Propylbenzene	4.555	4.142	4.300	3.815	2.645	3.691	14.1
2-Chlorotoluene	2.319	2.208	2.367	2.048	2.076	2.204	4.4
4-Chlorotoluene	2.413	2.388	2.456	2.250	2.109	2.313	4.1
1,3,5-Trimethylbenzene	2.333	2.198	2.274	2.065	2.022	2.173	4.1
tert-Butylbenzene	2.044	2.002	1.916	1.938	1.877	1.955	3.4
1,2,4-Trimethylbenzene	2.327	2.212	2.286	2.241	2.036	2.321	4.7
sec-Butylbenzene	3.358	3.304	3.134	3.285	2.408	3.081	11.7
4-Isopropyltoluene	2.478	2.591	2.433	2.617	2.172	2.445	11.1
1,3-Dichlorobenzene	1.542	1.607	1.587	1.617	1.612	1.584	1.7
1,4-Dichlorobenzene	1.616	1.695	1.631	1.703	1.661	1.661	2.7
1,2-Dichlorobenzene	1.566	1.509	1.567	1.652	1.608	1.580	3.4
Benzyl Chloride	0.364	0.380	0.353	0.407	0.406	0.382	4.3
Pentachloroethane	*						
n-Butylbenzene	5.023	5.026	4.649	5.296	3.808	4.760	12.2
1,2-Dibromo-3-chloropropane	0.162	0.191	0.177	0.198	0.187	0.183	7.7
Nitrobenzene	0.077	0.083	0.108	0.121	0.126	0.103	21.4
1,2,4-Trichlorobenzene	1.070	1.037	0.999	1.126	1.090	1.064	4.6
Hexachlorobutadiene	0.400	0.305	0.279	0.337	0.329	0.330	13.8
Naphthalene	2.344	2.509	2.791	2.935	2.216	2.559	11.8
1,2,3-Trichlorobenzene	0.846	0.908	0.945	1.021	1.022	0.948	8.0
Xylene (total)	0.642	0.705	0.672	0.764	1.493	0.655	4.1
1,2-Dichloroethene (total)	0.292	0.299	0.299	0.300	0.288	0.296	1.7
Methyl Cyclohexane	0.518	0.524	0.425	0.574	0.598	0.528	11.4
Cyclohexane	0.464	0.461	0.370	0.468	0.476	0.448	9.8
Methyl Acetate	1.009	1.057	1.061	1.064	1.043	1.047	2.1
Acetonitrile	* 0.054	0.063	0.057	0.060	0.056	0.058	6.1*
Isobutyl Alcohol	* 0.016	0.017	0.017	0.019	0.019	0.018	7.7*
Dibromofluoromethane	0.244	0.266	0.248	0.265	0.269	0.258	4.4
1,2-Dichloroethane-d4	0.256	0.278	0.227	0.288	0.286	0.267	9.6
Toluene-d8	1.242	1.336	1.320	1.252	1.270	1.284	3.3
Bromofluorobenzene	0.885	0.746	0.904	0.697	0.877	0.822	11.4

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\Files\chem\VOA\msn.i\N037511.b\N7512.D
Lab Smp Id: VSTD005N2 Client Smp ID: VSTD005N2
Inj Date : 03-JUN-2003 13:01 MS Autotune Date: 29-MAY-2003 16:07
Operator : L.Decker Inst ID: msn.i
Smp Info : VSTD005N2
Misc Info : : ;;; VSTD005N2 ; 8260B ; 1; LLW
Comment :
Method : \\TARGET1_CT\Files\chem\VOA\msn.i\N037511.b\N8260BFW.m
Meth Date : 04-Jun-2003 08:49 larryd Quant Type: ISTD
Cal Date : 03-JUN-2003 13:01 Cal File: N7512.D
Als bottle: 28 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260BAP9.sub
Target Version: 4.10
Processing Host: CONMSTNT

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG						AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ug/L)	ON-COL (ug/L)
* 1 Fluorobenzene	96	5.095	5.090	(1.000)	1278939		25.0000	
2 Dichlorodifluoromethane	85	1.202	1.197	(0.236)	79688		5.00000	5
3 Chloromethane	50	1.320	1.325	(0.259)	186339		5.00000	6
4 Vinyl Chloride	62	1.360	1.365	(0.267)	125681		5.00000	5
5 Bromomethane	94	1.557	1.552	(0.306)	125508		5.00000	6
6 Chloroethane	64	1.636	1.611	(0.321)	82446		5.00000	6
7 Trichlorofluoromethane	101	1.715	1.690	(0.337)	98158		5.00000	5
8 Ethyl Ether	45	1.892	1.887	(0.371)	89877		5.00000	5
9 Freon 141	81	1.961	1.946	(0.385)	146836		5.00000	5
10 Freon 123a	67	2.030	2.025	(0.398)	23942		5.00000	6
11 Trichlorotrifluoroethane	101	2.050	2.035	(0.402)	87265		5.00000	6
12 1,1-Dichloroethene	96	2.542	2.537	(0.499)	70229		5.00000	5
13 Carbon Disulfide	76	2.069	2.054	(0.406)	386675		5.00000	6
14 Iodomethane	142	2.138	2.133	(0.420)	67494		5.00000	4
15 3-Chloro-1-Propene	41	2.345	2.340	(0.460)	151943		5.00000	5
16 Methylene Chloride	84	2.424	2.419	(0.476)	90657		5.00000	6
17 Acetone	43	2.454	2.459	(0.482)	47305		5.00000	5
18 trans-1,2-Dichloroethene	96	2.542	2.537	(0.499)	70229		5.00000	5
19 Methyl tert-Butyl Ether	73	2.631	2.626	(0.516)	203153		5.00000	5
20 Acrolein	56	2.247	2.242	(0.441)	73592		25.0000	21
21 tert-Butyl alcohol	59	2.680	2.705	(0.526)	47706		25.0000	25
22 Methyl Acetate	43	2.542	2.537	(0.499)	258196		5.00000	5

STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\Files\chem\VOA\msn.i\N037511.b\N7512.D
Lab Smp Id: VSTD005N2 Client Smp ID: VSTD005N2
Inj Date : 03-JUN-2003 13:01 MS Autotune Date: 29-MAY-2003 16:07
Operator : L.Decker Inst ID: msn.i
Smp Info : VSTD005N2
Misc Info : : ;;; VSTD005N2 ; 8260B ; 1; LLW
Comment :
Method : \\TARGET1_CT\Files\chem\VOA\msn.i\N037511.b\N8260BFW.m
Meth Date : 04-Jun-2003 08:49 larryd Quant Type: ISTD
Cal Date : 03-JUN-2003 13:01 Cal File: N7512.D
Als bottle: 28 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260BAP9.sub
Target Version: 4.10
Processing Host: CONMSTNT

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

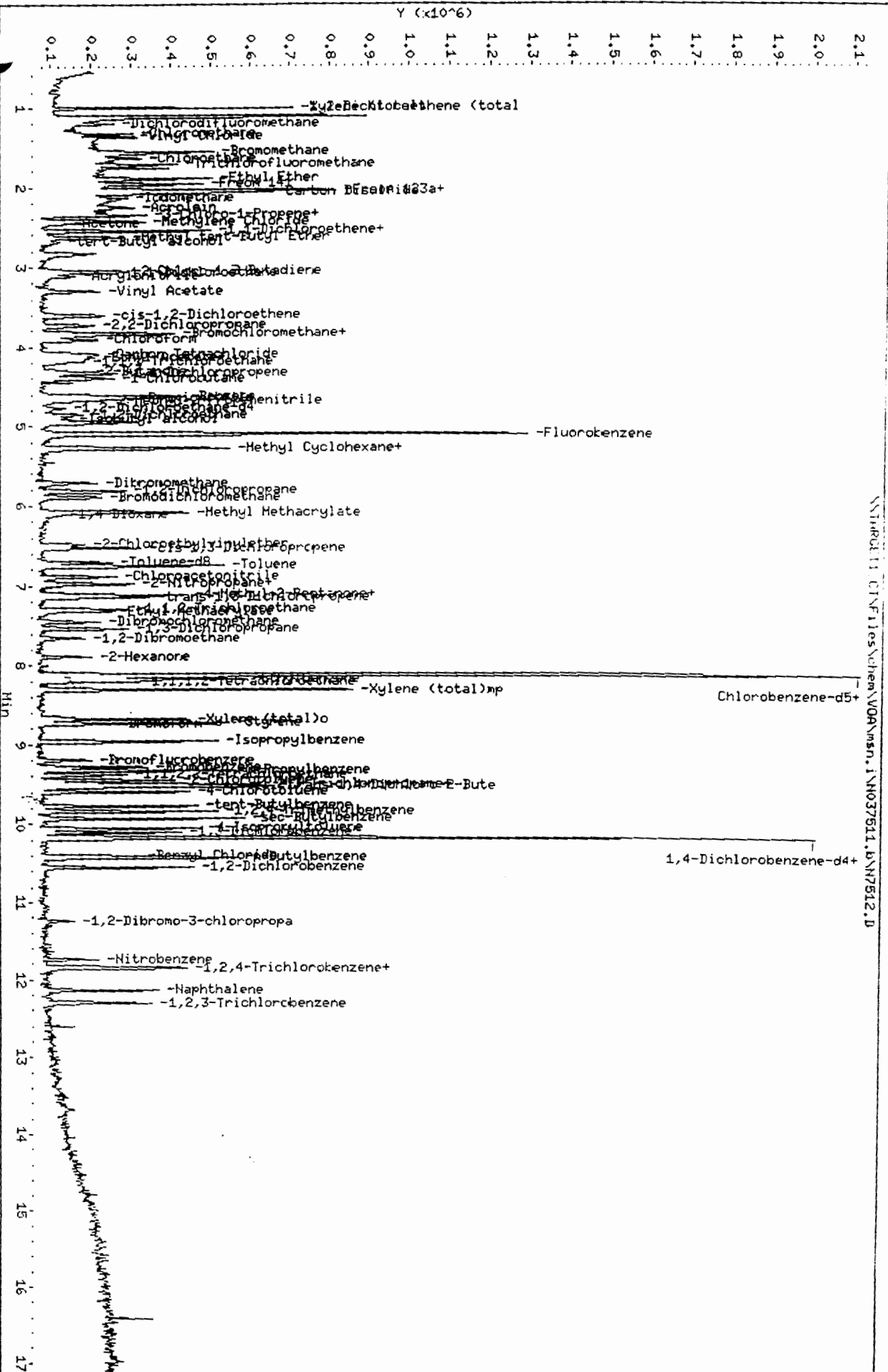
Compounds	QUANT SIG	AMOUNTS					
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
* 1 Fluorobenzene	96	5.095	5.090 (1.000)		1278939	25.0000	
2 Dichlorodifluoromethane	85	1.202	1.197 (0.236)		79688	5.00000	5
3 Chloromethane	50	1.320	1.325 (0.259)		186339	5.00000	6
4 Vinyl Chloride	62	1.360	1.365 (0.267)		125681	5.00000	5
5 Bromomethane	94	1.557	1.552 (0.306)		125508	5.00000	6
6 Chloroethane	64	1.636	1.611 (0.321)		82446	5.00000	6
7 Trichlorofluoromethane	101	1.715	1.690 (0.337)		98158	5.00000	5
8 Ethyl Ether	45	1.892	1.887 (0.371)		89677	5.00000	5
9 Freon 141	81	1.961	1.946 (0.385)		146836	5.00000	5
10 Freon 123a	67	2.030	2.025 (0.398)		23942	5.00000	6
11 Trichlorotrifluoroethane	101	2.050	2.035 (0.402)		87265	5.00000	6
12 1,1-Dichloroethene	96	2.542	2.537 (0.499)		70229	5.00000	5
13 Carbon Disulfide	76	2.069	2.054 (0.406)		386675	5.00000	6
14 Iodomethane	142	2.138	2.133 (0.420)		67494	5.00000	4
15 3-Chloro-1-Propene	41	2.345	2.340 (0.460)		151943	5.00000	5
16 Methylene Chloride	84	2.424	2.419 (0.476)		90657	5.00000	6
17 Acetone	43	2.454	2.459 (0.482)		47305	5.00000	5
18 trans-1,2-Dichloroethene	96	2.542	2.537 (0.499)		70229	5.00000	5
19 Methyl tert-Butyl Ether	73	2.631	2.626 (0.516)		203153	5.00000	5
20 Acrolein	56	2.247	2.242 (0.441)		73592	25.0000	21
21 tert-Butyl alcohol	59	2.680	2.705 (0.526)		47706	25.0000	25
22 Methyl Acetate	43	2.542	2.537 (0.499)		258196	5.00000	5

Compounds	QUANT SIG MASS					AMOUNTS	
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	=====	=====	=====	=====	=====	=====
23 Acetonitrile	41	2.345	2.340 (0.460)		138445	50.0000	58 (M)
26 Acrylonitrile	53	3.104	3.109 (0.609)		74803	10.0000	9
27 2-Chloro-1,3-Butadiene	88	3.045	3.030 (0.598)		59057	5.00000	4
28 1,1-Dichloroethane	63	3.065	3.060 (0.602)		138544	5.00000	5
29 Vinyl Acetate	43	3.291	3.286 (0.646)		251582	5.00000	6
30 cis-1,2-Dichloroethene	96	3.597	3.592 (0.706)		79065	5.00000	5
31 2,2-Dichloropropane	77	3.725	3.720 (0.721)		95563	5.00000	5
32 Bromochloromethane	128	3.824	3.819 (0.750)		38821	5.00000	5
33 Chloroform	83	3.912	3.907 (0.765)		127356	5.00000	5
34 Ethyl Acetate	43	4.119	4.114 (0.809)		20230	10.0000	11
35 Methyl Acrylate	55	5.262	5.267 (1.033)		97855	5.00000	5 (M)
\$ 36 Dibromofluoromethane	111	4.129	4.134 (0.810)		31279	2.50000	2
37 Tetrahydrofuran	42	4.119	4.114 (0.809)		74713	10.0000	9
38 1,1,1-Trichloroethane	97	4.178	4.163 (0.820)		76657	5.00000	5
39 Carbon Tetrachloride	117	4.090	4.085 (0.803)		60145	5.00000	5
40 2-Butanone	43	4.306	4.301 (0.845)		71246	5.00000	5
41 1,1-Dichloropropene	75	4.326	4.321 (0.849)		105199	5.00000	5
42 Cyclohexane	84	3.833	3.828 (0.752)		118600	5.00000	5
45 1-Chlorobutane	56	4.385	4.380 (0.851)		159723	5.00000	5
46 Propionitrile	54	4.641	4.656 (0.911)		138193	50.0000	43
47 Isobutyl Alcohol	42	4.898	4.942 (0.961)		41755	50.0000	46
48 Benzene	78	4.622	4.617 (0.907)		323409	5.00000	5
49 2-Methyl-2-Propenenitrile	41	4.671	4.666 (0.917)		67216	5.00000	4 (M)
\$ 50 1,2-Dichloroethane-d4	65	4.770	4.765 (0.936)		32690	2.50000	2
51 1,2-Dichloroethane	62	4.848	4.843 (0.952)		80613	5.00000	5
55 Methyl Cyclohexane	83	5.272	5.267 (1.035)		132469	5.00000	5
56 Trichloroethene	130	5.282	5.277 (1.037)		67588	5.00000	4
57 Dibromomethane	93	5.716	5.711 (1.122)		54433	5.00000	4
58 1,2-Dichloropropane	63	5.814	5.819 (1.141)		63495	5.00000	4
59 Bromodichloromethane	83	5.893	5.888 (1.157)		91280	5.00000	4
60 Methyl Methacrylate	69	6.080	6.075 (1.193)		135359	10.0000	8
61 1,4-Dioxane	58	6.110	6.134 (1.199)		35205	50.0000	45
62 2-Chloroethylvinylether	63	6.475	6.479 (1.271)		46664	5.00000	4
63 cis-1,3-Dichloropropene	75	6.524	6.519 (1.280)		129339	5.00000	4
64 2-Nitropropane	41	6.967	6.962 (1.367)		45920	10.0000	6
65 Chloroacetonitrile	48	6.888	6.893 (1.352)		85507	100.000	75
66 trans-1,3-Dichloropropene	75	7.145	7.150 (1.402)		110969	5.00000	4
67 1,1,2-Trichloroethane	97	7.293	7.288 (1.431)		62825	5.00000	4
* 68 Chlorobenzene-d5	117	8.120	8.125 (1.060)		826304	25.0000	
69 Toluene	91	6.751	6.755 (0.831)		303785	5.00000	5
\$ 70 Toluene-d8	98	6.701	6.706 (0.825)		102852	2.50000	2
71 1,1-Dichloro-2-propanone	43	6.977	6.982 (0.859)		317628	25.0000	24
72 4-Methyl-2-Pentanone	43	7.115	7.120 (0.876)		119419	5.00000	4
73 Tetrachloroethene	164	7.115	7.110 (0.876)		55506	5.00000	5
74 Ethyl Methacrylate	69	7.322	7.317 (0.902)		74751	5.00000	4
75 Dibromochloromethane	129	7.450	7.445 (0.917)		67471	5.00000	5 (M)
76 1,3-Dichloropropane	76	7.539	7.534 (0.928)		129887	5.00000	5
77 1,2-Dibromoethane	107	7.657	7.652 (0.943)		67558	5.00000	5
78 2-Hexanone	43	7.884	7.889 (0.971)		85560	5.00000	4
79 1-Chlorohexane	91	8.130	8.135 (1.001)		123633	5.00000	5
80 Chlorobenzene	112	8.130	8.135 (1.001)		170745	5.00000	4
81 1,1,1,2-Tetrachloroethane	131	8.199	8.194 (1.010)		51243	5.00000	4 (M)
82 Ethylbenzene	106	8.170	8.175 (1.006)		86649	5.00000	5
83 Xylene (total)mp	106	8.308	8.303 (1.023)		220930	10.0000	7

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ug/L)	ON-COL (ug/L)
84 Xylene (total)o	106	8.682	8.678 (1.069)		98267	5.00000	4 (H)
85 Styrene	104	8.722	8.727 (1.074)		178584	5.00000	5
86 Bromoform	173	8.741	8.737 (1.076)		49336	5.00000	4
* 87 1,4-Dichlorobenzene-d4	152	10.170	10.166 (1.000)		407851	25.0000	
88 Isopropylbenzene	105	8.958	8.964 (0.881)		241032	5.00000	5
89 1,1,2,2-Tetrachloroethane	83	9.382	9.378 (0.922)		123504	5.00000	5
90 Bromobenzene	156	9.283	9.279 (0.913)		66446	5.00000	5
91 1,2,3-Trichloropropane	110	9.490	9.496 (0.933)		21647	5.00000	5
92 trans-1,4-Dichloro-2-Butene	53	9.530	9.535 (0.937)		56258	10.0000	10
93 n-Propylbenzene	91	9.323	9.319 (0.917)		371584	5.00000	5
94 2-Chlorotoluene	51	9.451	9.447 (0.929)		189165	5.00000	5
95 4-Chlorotoluene	91	9.589	9.595 (0.943)		196804	5.00000	5
96 1,3,5-Trimethylbenzene	105	9.500	9.496 (0.934)		190294	5.00000	5
97 tert-Butylbenzene	119	9.776	9.772 (0.961)		166740	5.00000	5
98 1,2,4-Trimethylbenzene	105	9.835	9.831 (0.967)		189547	5.00000	5
99 sec-Butylbenzene	105	9.924	9.930 (0.976)		273889	5.00000	5
100 4-Isopropyltoluene	119	10.052	10.058 (0.988)		202092	5.00000	5
101 1,3-Dichlorobenzene	146	10.101	10.107 (0.993)		125800	5.00000	5
102 1,4-Dichlorobenzene	146	10.180	10.186 (1.001)		131838	5.00000	5
103 1,2-Dichlorobenzene	146	10.545	10.550 (1.037)		127715	5.00000	5
104 Benzyl Chloride	126	10.397	10.403 (1.022)		29665	5.00000	5
105 n-Butylbenzene	91	10.417	10.422 (1.024)		405745	5.00000	5
108 1,2-Dibromo-3-chloropropane	75	11.244	11.240 (1.106)		13178	5.00000	4
109 Nitrobenzene	77	11.737	11.743 (1.154)		62809	50.0000	37
110 1,2,4-Trichlorobenzene	180	11.846	11.851 (1.165)		87314	5.00000	5
111 Hexachlorobutadiene	225	11.836	11.832 (1.164)		32662	5.00000	5
112 Naphthalene	128	12.131	12.137 (1.193)		191176	5.00000	4
113 1,2,3-Trichlorobenzene	180	12.299	12.295 (1.209)		68986	5.00000	4
\$ 114 Bromofluorobenzene	95	9.195	9.190 (0.904)		36093	2.50000	3
M 115 1,2-Dichloroethene (total)	100				149294	10.0000	10
M 116 Xylene (total)	100				319197	15.0000	11

QC Flag Legend

M - Compound response manually integrated.
 H - Operator selected an alternate compound hit.



STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\\Files\\chem\\VOA\\msn.i\\N037511.b\\N7513.D
 Lab Smp Id: VSTD020N3 Client Smp ID: VSTD020N3
 Inj Date : 03-JUN-2003 13:31 MS Autotune Date: 29-MAY-2003 16:07
 Operator : L.Decker Inst ID: msn.i
 Smp Info : VSTD020N3
 Misc Info : : ;;; VSTD020N3 ; 8260B ; 1; LLW
 Comment :
 Method : \\TARGET1_CT\\Files\\chem\\VOA\\msn.i\\N037511.b\\N8260BFW.m
 Meth Date : 04-Jun-2003 08:49 larryd Quant Type: ISTD
 Cal Date : 03-JUN-2003 13:31 Cal File: N7513.D
 Als bottle: 29 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: 8260BAP9.sub
 Target Version: 4.10
 Processing Host: CONMSTNT

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
1 Fluorobenzene	96	5.095	5.090 (1.000)		877581	25.0000	
2 Dichlorodifluoromethane	85	1.202	1.197 (0.236)		247790	20.0000	21
3 Chloromethane	50	1.321	1.325 (0.259)		512247	20.0000	20
4 Vinyl Chloride	62	1.360	1.365 (0.267)		448042	20.0000	22
5 Bromomethane	94	1.557	1.552 (0.306)		347959	20.0000	20
6 Chloroethane	64	1.626	1.611 (0.319)		262428	20.0000	21
7 Trichlorofluoromethane	101	1.715	1.690 (0.337)		317374	20.0000	22
8 Ethyl Ether	45	1.892	1.887 (0.371)		280417	20.0000	21
9 Freon 141	81	1.961	1.946 (0.385)		436824	20.0000	21
10 Freon 123a	67	2.030	2.025 (0.399)		58619	20.0000	19
11 Trichlorotrifluoroethane	101	2.050	2.035 (0.402)		230005	20.0000	20
12 1,1-Dichloroethene	96	2.543	2.537 (0.499)		199721	20.0000	20
13 Carbon Disulfide	76	2.070	2.054 (0.406)		1005952	20.0000	19
14 Iodomethane	142	2.138	2.133 (0.420)		261417	20.0000	23
15 3-Chloro-1-Propene	41	2.345	2.340 (0.460)		442133	20.0000	20
16 Methylene Chloride	84	2.424	2.419 (0.476)		224123	20.0000	19
17 Acetone	43	2.454	2.459 (0.482)		135286	20.0000	20
18 trans-1,2-Dichloroethene	96	2.543	2.537 (0.499)		199721	20.0000	20
19 Methyl tert-Butyl Ether	73	2.621	2.626 (0.515)		595078	20.0000	21
20 Acrolein	56	2.247	2.242 (0.441)		210671	100.000	100
21 tert-Butyl alcohol	59	2.681	2.705 (0.526)		130791	100.000	100
22 Methyl Acetate	43	2.543	2.537 (0.499)		742160	20.0000	20

STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\Files\chem\VOA\msn.i\N037511.b\N7513.D
 Lab Smp Id: VSTD020N3 Client Smp ID: VSTD020N3
 Inj Date : 03-JUN-2003 13:31 MS Autotune Date: 29-MAY-2003 16:07
 Operator : L.Decker Inst ID: msn.i
 Smp Info : VSTD020N3
 Misc Info : : ;;; VSTD020N3 ; 8260B ; 1; LLW
 Comment :
 Method : \\TARGET1_CT\Files\chem\VOA\msn.i\N037511.b\N8260BFW.m
 Meth Date : 04-Jun-2003 08:49 larryd Quant Type: ISTD
 Cal Date : 03-JUN-2003 13:31 Cal File: N7513.D
 Als bottle: 29 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: 8260BAF9.sub
 Target Version: 4.10
 Processing Host: CONMSTNT

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG						AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ug/L)	ON-COL (ug/L)
1 Fluorobenzene	96	5.095	5.090 (1.000)		877581		25.0000	
2 Dichlorodifluoromethane	85	1.202	1.197 (0.236)		247790		20.0000	21
3 Chloromethane	50	1.321	1.325 (0.259)		512247		20.0000	20
4 Vinyl Chloride	62	1.360	1.365 (0.267)		448042		20.0000	22
5 Bromomethane	94	1.557	1.552 (0.306)		347959		20.0000	20
6 Chloroethane	64	1.626	1.611 (0.319)		262428		20.0000	21
7 Trichlorofluoromethane	101	1.715	1.690 (0.337)		317374		20.0000	22
8 Ethyl Ether	45	1.892	1.887 (0.371)		280417		20.0000	21
9 Freon 141	81	1.961	1.946 (0.385)		436824		20.0000	21
10 Freon 123a	67	2.030	2.025 (0.399)		58619		20.0000	19
11 Trichlorotrifluoroethane	101	2.050	2.035 (0.402)		230005		20.0000	20
12 1,1-Dichloroethene	96	2.543	2.537 (0.499)		199721		20.0000	20
13 Carbon Disulfide	76	2.070	2.054 (0.406)		1005952		20.0000	19
14 Iodomethane	142	2.138	2.133 (0.420)		261417		20.0000	23
15 3-Chloro-1-Propene	41	2.345	2.340 (0.460)		442133		20.0000	20
16 Methylene Chloride	84	2.424	2.419 (0.476)		224123		20.0000	19
17 Acetone	43	2.454	2.459 (0.482)		135286		20.0000	20
18 trans-1,2-Dichloroethene	96	2.543	2.537 (0.499)		199721		20.0000	20
19 Methyl tert-Butyl Ether	73	2.621	2.626 (0.515)		595078		20.0000	21
20 Acrolein	56	2.247	2.242 (0.441)		210671		100.000	100
21 tert-Butyl alcohol	59	2.681	2.705 (0.526)		130791		100.000	100
22 Methyl Acetate	43	2.543	2.537 (0.499)		742160		20.0000	20

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	=====	=====	=====	=====	=====	=====
23 Acetonitrile	41	2.345	2.340 (0.460)		443999	200.000	220 (H)
26 Acrylonitrile	53	3.104	3.109 (0.609)		230342	40.0000	42
27 2-Chloro-1,3-Butadiene	88	3.035	3.030 (0.596)		186427	20.0000	21
28 1,1-Dichloroethane	63	3.055	3.060 (0.600)		433130	20.0000	21
29 Vinyl Acetate	43	3.292	3.286 (0.646)		702435	20.0000	20
30 cis-1,2-Dichloroethene	96	3.597	3.592 (0.706)		220632	20.0000	20
31 2,2-Dichloropropane	77	3.725	3.720 (0.731)		279397	20.0000	21
32 Bromochloromethane	128	3.824	3.819 (0.751)		104782	20.0000	20
33 Chloroform	83	3.903	3.907 (0.766)		379502	20.0000	21
34 Ethyl Acetate	43	4.119	4.114 (0.809)		53758	40.0000	19
35 Methyl Acrylate	55	5.272	5.267 (1.035)		293750	20.0000	21
\$ 36 Dibromofluoromethane	111	4.129	4.134 (0.810)		93405	10.0000	10
37 Tetrahydrofuran	42	4.119	4.114 (0.809)		223040	40.0000	42
38 1,1,1-Trichloroethane	97	4.169	4.163 (0.818)		230112	20.0000	21
39 Carbon Tetrachloride	117	4.090	4.085 (0.803)		171370	20.0000	20
40 2-Butanone	43	4.297	4.301 (0.843)		199773	20.0000	20
41 1,1-Dichloropropene	75	4.326	4.321 (0.849)		290605	20.0000	21
42 Cyclohexane	84	3.834	3.828 (0.752)		323843	20.0000	20
45 1-Chlorobutane	56	4.385	4.380 (0.861)		451308	20.0000	20
46 Propionitrile	54	4.642	4.636 (0.911)		425013	200.000	210
47 Isobutyl Alcohol	42	4.898	4.942 (0.961)		118572	200.000	200
48 Benzene	78	4.612	4.617 (0.905)		932056	20.0000	20
49 2-Methyl-2-Propenenitrile	41	4.671	4.666 (0.917)		200799	20.0000	21 (M)
\$ 50 1,2-Dichloroethane-d4	65	4.770	4.765 (0.936)		97474	10.0000	10
51 1,2-Dichloroethane	62	4.849	4.843 (0.952)		236867	20.0000	21
55 Methyl Cyclohexane	83	5.263	5.267 (1.033)		367644	20.0000	20
56 Trichloroethene	130	5.272	5.277 (1.035)		205924	20.0000	21
57 Dibromomethane	93	5.706	5.711 (1.120)		156412	20.0000	20
58 1,2-Dichloropropane	63	5.814	5.819 (1.141)		258735	20.0000	21
59 Bromodichloromethane	83	5.893	5.888 (1.157)		287966	20.0000	21
60 Methyl Methacrylate	69	6.071	6.075 (1.191)		427067	40.0000	43
61 1,4-Dioxane	58	6.100	6.134 (1.197)		97559	200.000	200
62 2-Chloroethylvinylether	63	6.475	6.479 (1.271)		149178	20.0000	22
63 cis-1,3-Dichloropropene	75	6.524	6.519 (1.280)		396550	20.0000	21
64 2-Nitropropane	41	6.958	6.962 (1.366)		166867	40.0000	46
65 Chloroacetonitrile	48	6.879	6.893 (1.350)		291708	400.000	440
66 trans-1,3-Dichloropropene	75	7.145	7.150 (1.402)		356822	20.0000	22
67 1,1,2-Trichloroethane	97	7.293	7.288 (1.431)		200078	20.0000	21
* 68 Chlorobenzene-d5	117	8.121	8.125 (1.000)		614035	25.0000	
69 Toluene	91	6.751	6.755 (0.831)		879753	20.0000	20
\$ 70 Toluene-d8	98	6.701	6.706 (0.825)		328276	10.0000	10
71 1,1-Dichloro-2-propanone	43	6.977	6.982 (0.859)		1044735	100.000	100
72 4-Methyl-2-Pentanone	43	7.115	7.120 (0.876)		400976	20.0000	21
73 Tetrachloroethene	164	7.115	7.110 (0.876)		153991	20.0000	19
74 Ethyl Methacrylate	69	7.322	7.317 (0.902)		258867	20.0000	22
75 Dibromochloromethane	129	7.450	7.445 (0.917)		220370	20.0000	20
76 1,3-Dichloropropane	76	7.529	7.534 (0.927)		408626	20.0000	20
77 1,2-Dibromoethane	107	7.657	7.652 (0.943)		216217	20.0000	21
78 2-Hexanone	43	7.884	7.889 (0.971)		275779	20.0000	21
79 1-Chlorohexane	91	8.130	8.135 (1.001)		389209	20.0000	20
80 Chlorobenzene	112	8.130	8.135 (1.001)		553291	20.0000	21
81 1,1,1,2-Tetrachloroethane	131	8.199	8.194 (1.010)		163438	20.0000	21
82 Ethylbenzene	106	8.170	8.175 (1.006)		265687	20.0000	20
83 Xylene (total)mp	106	8.298	8.303 (1.022)		708011	40.0000	42

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL
							(ug/L)	(ug/L)
-----	----	----	-----	-----	-----	-----	-----	
84 Xylene (total)o	106	8.682	8.678	(1.069)	331128	20.0000	21 (H)	
85 Styrene	104	8.722	8.727	(1.074)	560360	20.0000	20	
86 Bromoform	173	8.732	8.737	(1.075)	159645	20.0000	21	
* 87 1,4-Dichlorobenzene-d4	152	10.170	10.166	(1.000)	344988	25.0000		
88 Isopropylbenzene	105	8.958	8.964	(0.881)	814139	20.0000	20	
89 1,1,2,2-Tetrachloroethane	83	9.382	9.378	(0.922)	360132	20.0000	18	
90 Bromobenzene	156	9.283	9.279	(0.913)	223300	20.0000	20	
91 1,2,3-Trichloropropane	110	9.490	9.496	(0.933)	69857	20.0000	20	
92 trans-1,4-Dichloro-2-Butene	53	9.530	9.535	(0.937)	206724	40.0000	40	
93 n-Propylbenzene	91	9.323	9.319	(0.917)	1143294	20.0000	19	
94 2-Chlorotoluene	91	9.441	9.447	(0.928)	609533	20.0000	20	
95 4-Chlorotoluene	91	9.589	9.595	(0.943)	658996	20.0000	20	
96 1,3,5-Trimethylbenzene	105	9.500	9.496	(0.934)	606757	20.0000	15	
97 tert-Butylbenzene	119	9.766	9.772	(0.960)	552617	20.0000	20	
98 1,2,4-Trimethylbenzene	105	9.835	9.831	(0.967)	610506	20.0000	19	
99 sec-Butylbenzene	105	9.924	9.930	(0.976)	911798	20.0000	20	
100 4-Isopropyltoluene	119	10.052	10.058	(0.988)	715176	20.0000	20	
101 1,3-Dichlorobenzene	146	10.101	10.107	(0.993)	443564	20.0000	20	
102 1,4-Dichlorobenzene	146	10.180	10.186	(1.001)	467841	20.0000	20	
103 1,2-Dichlorobenzene	146	10.545	10.550	(1.037)	416454	20.0000	20	
104 Benzyl Chloride	126	10.397	10.403	(1.022)	104794	20.0000	20	
105 n-Butylbenzene	91	10.417	10.422	(1.024)	1387262	20.0000	20	
108 1,2-Dibromo-3-chloropropane	75	11.245	11.240	(1.106)	52649	20.0000	22	
109 Nitrobenzene	77	11.737	11.743	(1.154)	229749	200.000	210	
110 1,2,4-Trichlorobenzene	180	11.846	11.851	(1.165)	286098	20.0000	20	
111 Hexachlorobutadiene	225	11.826	11.832	(1.163)	84270	20.0000	17	
112 Naphthalene	128	12.132	12.137	(1.193)	692544	20.0000	21	
113 1,2,3-Trichlorobenzene	180	12.299	12.295	(1.209)	250617	20.0000	21	
\$ 114 Bromofluorobenzene	95	9.195	9.190	(0.904)	102979	10.0000	9	
M 115 1,2-Dichloroethene (total)	100				420353	40.0000	40	
M 116 Xylene (total)	100				1039135	60.0000	63	

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\TARGET1-CT\\files\\chem\\V06\\msn_i\\N037511.b\\N7513.D

Page 4

Date : 03-JUN-2003 13:31

Client ID: VSTD020N3

Sample Info: VSTD020N3

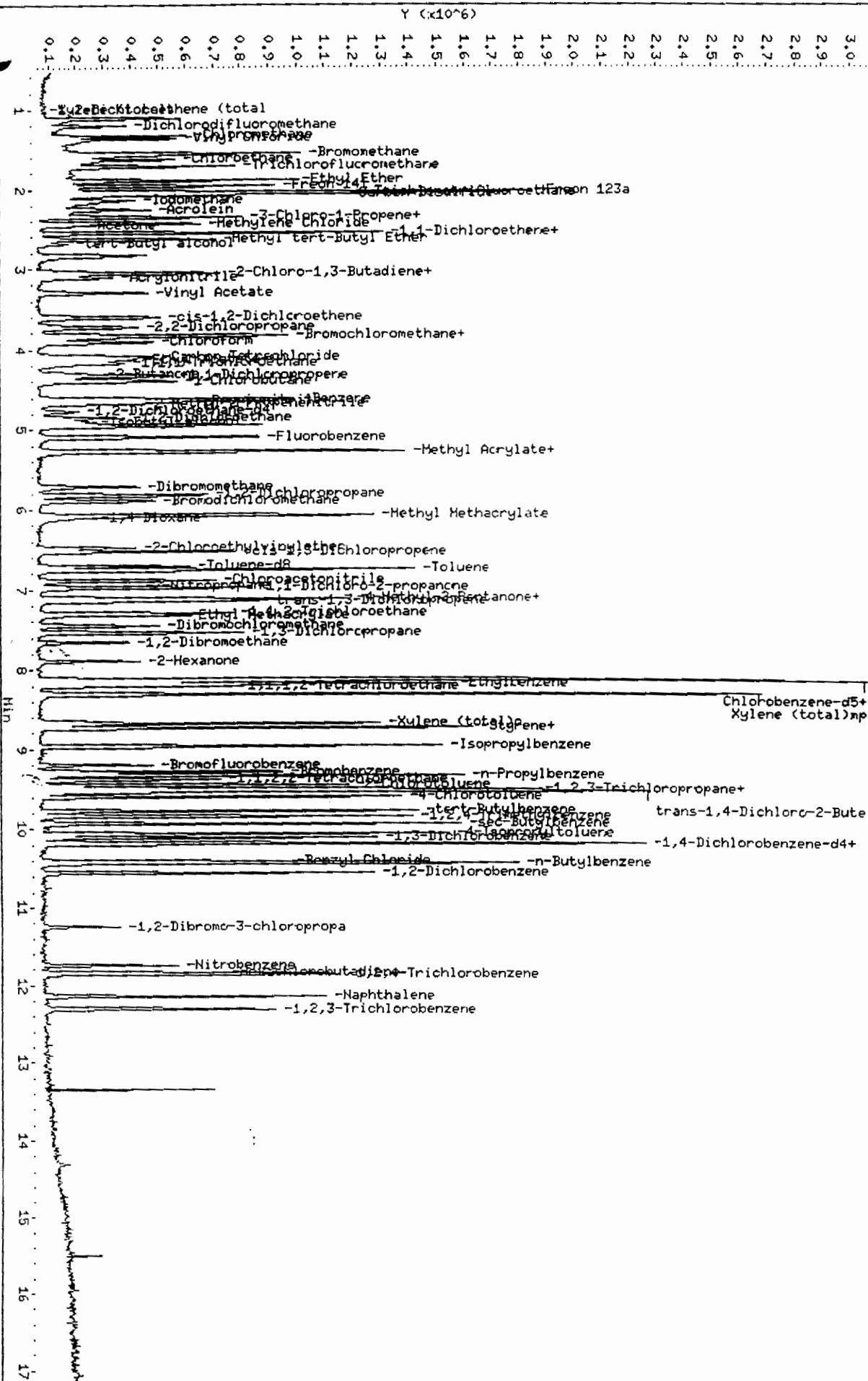
Purge Volume: 5.0

Column phase: RTX-624

Instrument: msn.i

Operator: L. Decker

Column diameter: 0.53



STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\\Files\\chem\\VOA\\msn.i\\N037511.b\\N7514.D
Lab Smp Id: VSTD100N4 Client Smp ID: VSTD100N4
Inj Date : 03-JUN-2003 14:01 MS Autotune Date: 29-MAY-2003 16:07
Operator : L.Decker Inst ID: msn.i
Smp Info : VSTD100N4
Misc Info : : ;;; VSTD100N4 ; 8260B ; 1; LLW
Comment :
Method : \\TARGET1_CT\\Files\\chem\\VOA\\msn.i\\N037511.b\\N8260BFW.m
Meth Date : 04-Jun-2003 08:49 larryd Quant Type: ISTD
Cal Date : 03-JUN-2003 14:01 Cal File: N7514.D
Als bottle: 30 Calibration Sample, Level: 4
Dil Factor: 1.00000 Compound Sublist: 8260BAP9.sub
Integrator: HP RTE
Target Version: 4.10
Processing Host: CONMSTNT

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG						AMOUNTS	
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
*****	***		***	***	***	***	***	***	***
* 1 Fluorobenzene	96			5.089	5.090 (1.000)		865882	25.0000	
2 Dichlorodifluoromethane	85			1.196	1.197 (0.235)		1117756	100.000	98
3 Chloromethane	50			1.324	1.325 (0.260)		2124841	100.000	89
4 Vinyl Chloride	62			1.363	1.365 (0.268)		1773616	100.000	94
5 Bromomethane	94			1.551	1.552 (0.305)		1293565	100.000	82
6 Chloroethane	64			1.620	1.611 (0.318)		1106756	100.000	94
7 Trichlorofluoromethane	101			1.699	1.690 (0.334)		1457975	100.000	100
8 Ethyl Ether	45			1.886	1.887 (0.371)		1263571	100.000	98
9 Freon 141	81			1.955	1.946 (0.384)		1894982	100.000	94
10 Freon 123a	67			2.034	2.025 (0.400)		262513	100.000	90
11 Trichlorotrifluoroethane	101			2.043	2.035 (0.402)		1060495	100.000	94
12 1,1-Dichloroethene	96			2.536	2.537 (0.498)		961744	100.000	100
13 Carbon Disulfide	76			2.063	2.054 (0.406)		4620094	100.000	94
14 Iodomethane	142			2.132	2.133 (0.419)		1289721	100.000	110
15 3-Chloro-1-Propene	41			2.339	2.340 (0.460)		2085432	100.000	99
16 Methylene Chloride	84			2.418	2.419 (0.475)		1056054	100.000	93
17 Acetone	43			2.457	2.459 (0.483)		657182	100.000	100
18 trans-1,2-Dichloroethene	96			2.535	2.537 (0.498)		961744	100.000	100
19 Methyl tert-Butyl Ether	73			2.625	2.626 (0.516)		2851181	100.000	100
20 Acrolein	56			2.250	2.242 (0.442)		1324557	500.000	590
21 tert-Butyl alcohol	59			2.694	2.705 (0.529)		679186	500.000	520
22 Methyl Acetate	43			2.536	2.537 (0.498)		3683722	100.000	100

0000061

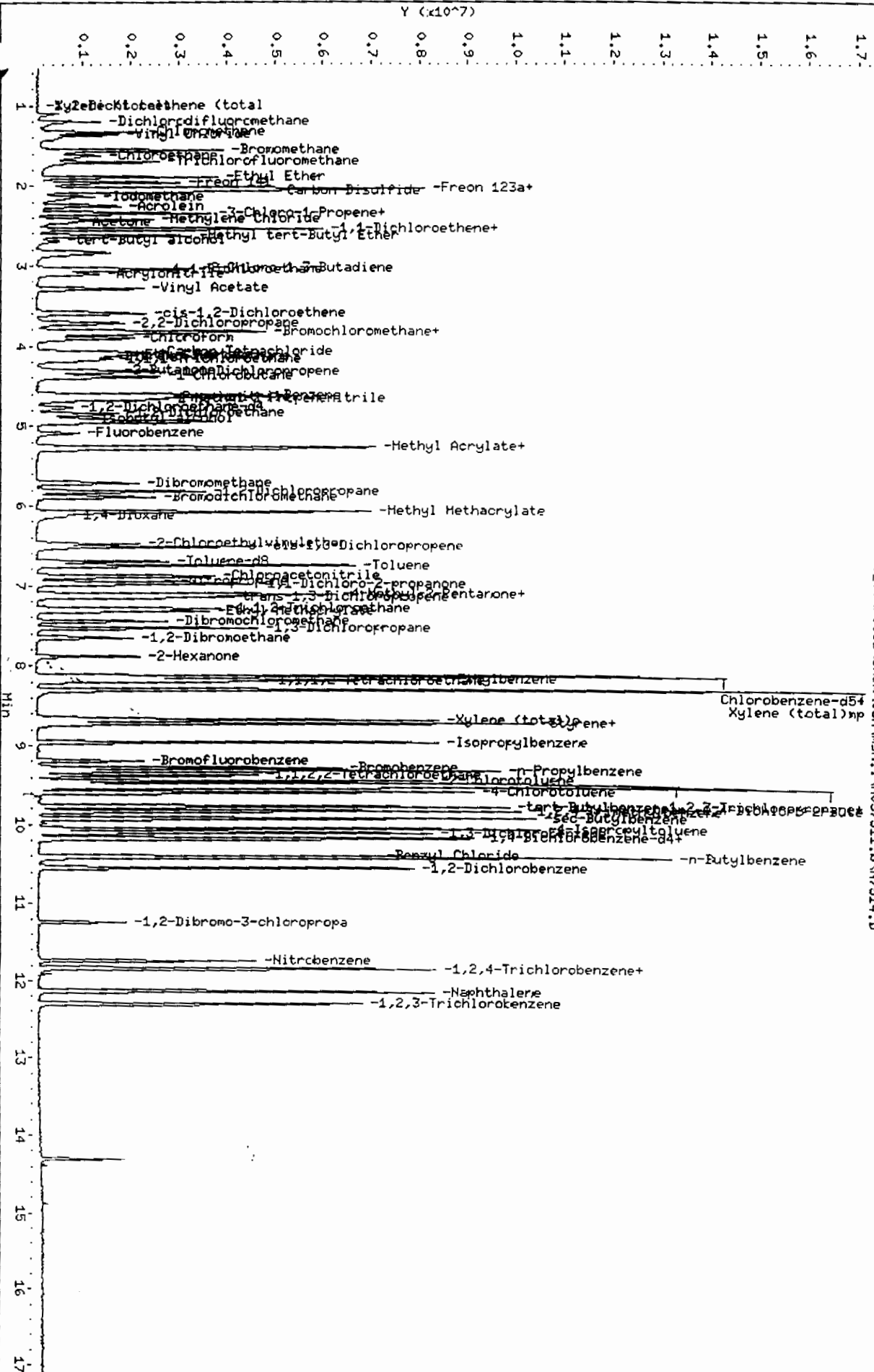
Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
23 Acetonitrile	41	2.339	2.340 (0.460)		2082910	1000.00	1000.00
26 Acrylonitrile	53	3.098	3.109 (0.609)		1215091	200.000	220
27 2-Chloro-1,3-Butadiene	88	3.039	3.030 (0.597)		957036	100.000	110
28 1,1-Dichloroethane	63	3.059	3.060 (0.601)		2057325	100.000	100
29 Vinyl Acetate	43	3.285	3.286 (0.646)		3655952	100.000	100
30 cis-1,2-Dichloroethene	96	3.591	3.592 (0.706)		1114592	100.000	100
31 2,2-Dichloropropane	77	3.719	3.720 (0.731)		1401151	100.000	100
32 Bromochloromethane	128	3.817	3.819 (0.750)		529946	100.000	100
33 Chloroform	83	3.906	3.907 (0.768)		1827570	100.000	100
34 Ethyl Acetate	43	4.113	4.114 (0.808)		262784	200.000	200
35 Methyl Acrylate	55	5.266	5.267 (1.035)		1527327	100.000	110
\$ 36 Dibromofluoromethane	111	4.133	4.134 (0.812)		458598	50.0000	50
37 Tetrahydrofuran	42	4.113	4.114 (0.808)		1222308	200.000	220
38 1,1,1-Trichloroethane	97	4.172	4.163 (0.820)		1161940	100.000	100
39 Carbon Tetrachloride	117	4.084	4.085 (0.802)		922162	100.000	110
40 2-Butanone	43	4.300	4.301 (0.845)		1023302	100.000	100
41 1,1-Dichloropropene	75	4.320	4.321 (0.849)		1517367	100.000	100
42 Cyclohexane	84	3.827	3.828 (0.752)		1621793	100.000	100
45 1-Chlorobutane	56	4.379	4.380 (0.861)		2285406	100.000	100
46 Propionitrile	54	4.645	4.656 (0.913)		2353502	1000.00	1100
47 Isobutyl Alcohol	42	4.901	4.942 (0.963)		668287	1000.00	1100
48 Benzene	78	4.616	4.617 (0.907)		4563912	100.000	100
49 2-Methyl-2-Propenenitrile	41	4.665	4.666 (0.917)		1225230	100.000	120
\$ 50 1,2-Dichloroethane-d4	65	4.764	4.765 (0.936)		498712	50.0000	50
51 1,2-Dichloroethane	62	4.842	4.843 (0.952)		1289951	100.000	100
55 Methyl Cyclohexane	83	5.266	5.267 (1.035)		1988002	100.000	110
56 Trichloroethene	130	5.276	5.277 (1.037)		1088419	100.000	110
57 Dibromomethane	93	5.710	5.711 (1.122)		851708	100.000	110
58 1,2-Dichloropropane	63	5.818	5.819 (1.143)		1363790	100.000	110
59 Bromodichloromethane	83	5.887	5.888 (1.157)		1526380	100.000	110
60 Methyl Methacrylate	69	6.074	6.075 (1.194)		2420433	200.000	230
61 1,4-Dioxane	58	6.124	6.134 (1.203)		567376	1000.00	1100
62 2-Chloroethylvinylether	63	6.478	6.479 (1.273)		809116	100.000	110
63 cis-1,3-Dichloropropene	75	6.518	6.519 (1.281)		2217088	100.000	110
64 2-Nitropropane	41	6.961	6.962 (1.368)		928994	200.000	230
65 Chloroacetonitrile	48	6.892	6.893 (1.352)		1683885	2000.00	2400
66 trans-1,3-Dichloropropene	75	7.148	7.150 (1.405)		1962789	100.000	110
67 1,1,2-Trichloroethane	97	7.286	7.288 (1.432)		1095298	100.000	110
* 68 Chlorobenzene-d5	117	8.124	8.125 (1.000)		666701	25.0000	
69 Toluene	91	6.754	6.755 (0.831)		4672763	100.000	98
\$ 70 Toluene-d8	98	6.705	6.706 (0.825)		1668909	50.0000	49
71 1,1-Dichloro-2-propanone	43	6.981	6.982 (0.859)		6076388	500.000	540
72 4-Methyl-2-Pentanone	43	7.119	7.120 (0.876)		2212148	100.000	100
73 Tetrachloroethene	164	7.109	7.110 (0.875)		887553	100.000	100
74 Ethyl Methacrylate	69	7.316	7.317 (0.901)		1487646	100.000	110
75 Dibromochloromethane	129	7.444	7.445 (0.916)		1231691	100.000	100
76 1,3-Dichloropropane	76	7.533	7.534 (0.927)		2292271	100.000	100
77 1,2-Dibromoethane	107	7.651	7.652 (0.942)		1202214	100.000	100
78 2-Hexanone	43	7.888	7.889 (0.971)		1654071	100.000	110
79 1-Chlorohexane	91	8.134	8.135 (1.001)		1941817	100.000	96
80 Chlorobenzene	112	8.134	8.135 (1.001)		3056283	100.000	100
81 1,1,1,2-Tetrachloroethane	131	8.193	8.194 (1.008)		992663	100.000	110
82 Ethylbenzene	106	8.173	8.175 (1.006)		1582887	100.000	110
83 Xylene (total)mp	106	8.302	8.303 (1.022)		4164551	200.000	220

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Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ug/L)	ON-COL (ug/L)
84 Xylene (total)c	106	8.676	8.678	(1.068)	1947287	100.000	110 H
85 Styrene	104	8.725	8.727	(1.074)	3511477	100.000	110
86 Bromoform	173	8.735	8.737	(1.075)	1035313	100.000	110
* 87 1,4-Dichlorobenzene-d4	152	10.164	10.166	(1.000)	481638	25.0000	
88 Isopropylbenzene	105	8.962	8.964	(0.882)	4987913	100.000	91
89 1,1,2,2-Tetrachloroethane	83	9.376	9.378	(0.922)	2421892	100.000	92
90 Bromobenzene	156	9.277	9.279	(0.913)	1430355	100.000	94
91 1,2,3-Trichloropropane	110	9.494	9.496	(0.934)	501835	100.000	110
92 trans-1,4-Dichloro-2-Butene	53	9.533	9.535	(0.938)	1378844	200.000	110
93 n-Propylbenzene	91	9.317	9.319	(0.917)	7350426	100.000	91
94 2-Chlorotoluene	91	9.445	9.447	(0.929)	3945624	100.000	93
95 4-Chlorotoluene	91	9.593	9.595	(0.944)	4334458	100.000	96
96 1,3,5-Trimethylbenzene	105	9.494	9.496	(0.934)	3978829	100.000	94
97 tert-Butylbenzene	119	9.770	9.772	(0.961)	3733702	100.000	97
98 1,2,4-Trimethylbenzene	105	9.829	9.831	(0.967)	4316981	100.000	99
99 sec-Butylbenzene	105	9.928	9.930	(0.977)	6329368	100.000	99
100 4-Isopropyltoluene	119	10.056	10.058	(0.989)	5042213	100.000	100
101 1,3-Dichlorobenzene	146	10.105	10.107	(0.994)	3114997	100.000	110
102 1,4-Dichlorobenzene	146	10.184	10.186	(1.002)	3280934	100.000	110
103 1,2-Dichlorobenzene	146	10.548	10.550	(1.038)	3183712	100.000	110
104 Benzyl Chloride	126	10.401	10.403	(1.023)	784012	100.000	110
105 n-Butylbenzene	91	10.420	10.422	(1.025)	10202993	100.000	110
108 1,2-Dibromo-3-chloropropane	75	11.238	11.240	(1.106)	380973	100.000	110
109 Nitrobenzene	77	11.741	11.743	(1.155)	2329366	1000.00	1300
110 1,2,4-Trichlorobenzene	180	11.849	11.851	(1.166)	2169886	100.000	110
111 Hexachlorobutadiene	225	11.830	11.832	(1.164)	649501	100.000	97
112 Naphthalene	128	12.135	12.137	(1.194)	5654266	100.000	110
113 1,2,3-Trichlorobenzene	180	12.293	12.295	(1.209)	1966591	100.000	110
\$ 114 Bromofluorobenzene	95	9.198	9.190	(0.905)	671614	50.0000	45
M 115 1,2-Dichloroethene (total)	100				2076336	200.000	200
M 116 Xylene (total)	100				6111838	300.000	320

QC Flag Legend

H - Operator selected an alternate compound hit.



STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\Files\chem\VOA\msn.i\N037511.b\N7515.D
 Lab Smp Id: VSTD200N5 Client Smp ID: VSTD200N5
 Inj Date : 03-JUN-2003 14:31 MS Autotune Date: 29-MAY-2003 16:07
 Operator : L.Decker Inst ID: msn.i
 Smp Info : VSTD200N5
 Misc Info : : ;;; VSTD200N5 ; 8260B ; 1; LLW
 Comment :
 Method : \\TARGET1_CT\Files\chem\VOA\msn.i\N037511.b\N8260BFW.m
 Meth Date : 04-Jun-2003 08:49 larryd Quant Type: ISTD
 Cal Date : 03-JUN-2003 14:31 Cal File: N7515.D
 Als bottle: 31 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: 8260BAP9.sub
 Target Version: 4.10
 Processing Host: CONMSTNT

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS					AMOUNTS	
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
* 1 Fluorobenzene	96	5.090	5.090 (1.000)		1245905	25.0000	
2 Dichlorodifluoromethane	85	1.197	1.197 (0.235)		3063082	200.000	200 (A)
3 Chloromethane	50	1.325	1.325 (0.260)		6585604	200.000	200 (A)
4 Vinyl Chloride	62	1.365	1.365 (0.268)		5213440	200.000	200 (A)
5 Bromomethane	94	1.552	1.552 (0.305)		2382392	200.000	130
6 Chloroethane	64	1.611	1.611 (0.317)		1398783	200.000	100
7 Trichlorofluoromethane	101	1.690	1.690 (0.332)		5011260	200.000	250 (A)
8 Ethyl Ether	45	1.887	1.887 (0.371)		3694878	200.000	200 (A)
9 Freon 141	81	1.946	1.946 (0.382)		5045332	200.000	190
10 Freon 123a	67	2.025	2.025 (0.398)		827658	200.000	210 (A)
11 Trichlorotrifluoroethane	101	2.035	2.035 (0.400)		3263402	200.000	210 (A)
12 1,1-Dichloroethene	96	2.537	2.537 (0.499)		2637757	200.000	190
13 Carbon Disulfide	76	2.054	2.054 (0.404)		11536985	200.000	180
14 Iodomethane	142	2.133	2.133 (0.419)		3337506	200.000	200 (A)
15 3-Chloro-1-Propene	41	2.340	2.340 (0.460)		5640668	200.000	190
16 Methylene Chloride	84	2.419	2.419 (0.475)		2758129	200.000	180
17 Acetone	43	2.459	2.459 (0.483)		1830927	200.000	190
18 trans-1,2-Dichloroethene	96	2.537	2.537 (0.499)		2637757	200.000	190
19 Methyl tert-Butyl Ether	73	2.626	2.626 (0.516)		7715176	200.000	190
20 Acrolein	56	2.242	2.242 (0.440)		3882011	1000.00	1200 (A)
21 tert-Butyl alcohol	59	2.705	2.705 (0.531)		1789035	1000.00	950
22 Methyl Acetate	43	2.537	2.537 (0.499)		10398900	200.000	200

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Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL
							(ug/L)	(ug/L)
-----	----	----	-----	-----	-----	-----	-----	
23 Acetonitrile	41	2.340	2.340	(0.460)	5640668	2000.00	1900(H)	
26 Acrylonitrile	53	3.109	3.109	(0.611)	3283466	400.000	400	
27 2-Chloro-1,3-Butadiene	88	3.030	3.030	(0.595)	2575556	200.000	200(A)	
28 1,1-Dichloroethane	63	3.060	3.060	(0.601)	5641901	200.000	200	
29 Vinyl Acetate	43	3.286	3.286	(0.646)	8646354	200.000	190	
30 cis-1,2-Dichloroethene	96	3.592	3.592	(0.706)	3097748	200.000	200	
31 2,2-Dichloropropane	77	3.720	3.720	(0.731)	3672546	200.000	200	
32 Bromochloromethane	128	3.819	3.819	(0.750)	1466306	200.000	190	
33 Chloroform	83	3.907	3.907	(0.768)	5035379	200.000	200	
34 Ethyl Acetate	43	4.114	4.114	(0.808)	722637	400.000	400	
35 Methyl Acrylate	55	5.267	5.267	(1.035)	4683841	200.000	230(A)	
\$ 36 Dibromofluoromethane	111	4.134	4.134	(0.812)	1340592	100.000	100	
37 Tetrahydrofuran	42	4.114	4.114	(0.808)	3488145	400.000	430(A)	
38 1,1,1-Trichloroethane	97	4.163	4.163	(0.818)	3217861	200.000	210(A)	
39 Carbon Tetrachloride	117	4.085	4.085	(0.803)	2519334	200.000	210(A)	
40 2-Butanone	43	4.301	4.301	(0.845)	2927658	200.000	200(A)	
41 1,1-Dichloropropene	75	4.321	4.321	(0.849)	4159172	200.000	200(A)	
42 Cyclohexane	84	3.828	3.828	(0.752)	4745532	200.000	210(A)	
45 1-Chlorobutane	56	4.380	4.380	(0.861)	6395815	200.000	200(A)	
46 Propionitrile	54	4.656	4.656	(0.915)	6743220	2000.00	2100(A)	
47 Isobutyl Alcohol	42	4.942	4.942	(0.971)	1905451	2000.00	2200(A)	
48 Benzene	78	4.617	4.617	(0.907)	13133170	200.000	200(A)	
\$ 49 2-Methyl-2-Propenenitrile	41	4.666	4.666	(0.917)	3528628	200.000	220(A)	
\$ 50 1,2-Dichloroethane-d4	65	4.765	4.765	(0.936)	1424603	100.000	110	
51 1,2-Dichloroethane	62	4.843	4.843	(0.952)	3482760	200.000	210(A)	
55 Methyl Cyclohexane	83	5.267	5.267	(1.035)	5956540	200.000	230(A)	
56 Trichloroethene	130	5.277	5.277	(1.037)	3217120	200.000	220(A)	
57 Dibromomethane	93	5.711	5.711	(1.122)	2560660	200.000	220(A)	
58 1,2-Dichloropropane	63	5.819	5.819	(1.143)	4062678	200.000	220(A)	
59 Bromodichloromethane	83	5.888	5.888	(1.157)	4353664	200.000	210(A)	
60 Methyl Methacrylate	69	6.075	6.075	(1.194)	7203808	400.000	450(A)	
61 1,4-Dioxane	58	6.134	6.134	(1.205)	1770521	2000.00	2300(A)	
62 2-Chloroethylvinylether	63	6.479	6.479	(1.273)	2368003	200.000	220(A)	
63 cis-1,3-Dichloropropene	75	6.519	6.519	(1.281)	6507662	200.000	220(A)	
64 2-Nitropropane	41	6.962	6.962	(1.368)	2499935	400.000	450(A)	
65 Chloroacetonitrile	48	6.893	6.893	(1.354)	5379223	4000.00	4800(A)	
66 trans-1,3-Dichloropropene	75	7.150	7.150	(1.405)	5998938	200.000	230(A)	
67 1,1,2-Trichloroethane	97	7.288	7.288	(1.432)	3437018	200.000	230(A)	
* 68 Chlorobenzene-d5	117	8.125	8.125	(1.000)	1078819	25.0000		
69 Toluene	91	6.755	6.755	(0.831)	12194222	200.000	160	
\$ 70 Toluene-d8	98	6.706	6.706	(0.825)	5482583	100.000	99	
71 1,1-Dichloro-2-propanone	43	6.982	6.982	(0.859)	15474896	1000.00	910	
72 4-Methyl-2-Pentanone	43	7.120	7.120	(0.876)	6768872	200.000	200	
73 Tetrachloroethene	164	7.110	7.110	(0.875)	2763695	200.000	200(A)	
74 Ethyl Methacrylate	69	7.317	7.317	(0.901)	4687463	200.000	210(A)	
75 Dibromochloromethane	129	7.445	7.445	(0.916)	3668735	200.000	190	
76 1,3-Dichloropropane	76	7.534	7.534	(0.927)	7044838	200.000	200	
77 1,2-Dibromoethane	107	7.652	7.652	(0.942)	3818488	200.000	200(A)	
78 2-Hexanone	43	7.889	7.889	(0.971)	4929872	200.000	200(A)	
79 1-Chlorohexane	91	8.135	8.135	(1.001)	6437076	200.000	200(A)	
80 Chlorobenzene	112	8.135	8.135	(1.001)	16136392	200.000	300(A)	
81 1,1,1,2-Tetrachloroethane	131	8.194	8.194	(1.008)	3080866	200.000	210(A)	
82 Ethylbenzene	106	8.175	8.175	(1.006)	5032714	200.000	210(A)	
83 Xylene (total)mp	106	8.303	8.303	(1.022)	32494412	400.000	790(A)	

0000066

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ug/L)	ON-COL (ug/L)
84 Xylene (total)o	106	8.678	8.678	(1.068)	6166422	200.000	210 (A)
85 Styrene	104	8.727	8.727	(1.074)	9782082	200.000	200
86 Bromoform	173	8.737	8.737	(1.075)	3088524	200.000	210 (A)
* 87 1,4-Dichlorobenzene-d4	152	10.166	10.166	(1.000)	617907	25.0000	
88 Isopropylbenzene	105	8.964	8.964	(0.882)	11164298	200.000	160
89 1,1,2,2-Tetrachloroethane	83	9.378	9.378	(0.922)	6963893	200.000	200 (A)
90 Bromobenzene	156	9.279	9.279	(0.913)	4237267	200.000	210 (A)
91 1,2,3-Trichloropropane	110	9.496	9.496	(0.934)	1452566	200.000	210 (A)
92 trans-1,4-Dichloro-2-Butene	53	9.535	9.535	(0.938)	3543565	400.000	400
93 n-Propylbenzene	91	9.319	9.319	(0.917)	13076381	200.000	140
94 2-Chlorotoluene	91	9.447	9.447	(0.929)	10262508	200.000	190
95 4-Chlorotoluene	91	9.595	9.595	(0.944)	10425532	200.000	180
96 1,3,5-Trimethylbenzene	105	9.496	9.496	(0.934)	9998030	200.000	180
97 tert-Butylbenzene	119	9.772	9.772	(0.961)	9276750	200.000	190
98 1,2,4-Trimethylbenzene	105	9.831	9.831	(0.967)	10065481	200.000	180
99 sec-Butylbenzene	105	9.930	9.930	(0.977)	11902441	200.000	160
100 4-Isopropyltoluene	119	10.058	10.058	(0.989)	10734527	200.000	180
101 1,3-Dichlorobenzene	146	10.107	10.107	(0.994)	7970106	200.000	200 (A)
102 1,4-Dichlorobenzene	146	10.186	10.186	(1.002)	8209875	200.000	200
103 1,2-Dichlorobenzene	146	10.550	10.550	(1.038)	7951287	200.000	200 (A)
104 Benzyl Chloride	126	10.403	10.403	(1.023)	2004630	200.000	210 (A)
105 n-Butylbenzene	91	10.422	10.422	(1.025)	18824155	200.000	160
108 1,2-Dibromo-3-chloropropane	75	11.240	11.240	(1.106)	924321	200.000	200 (A)
109 Nitrobenzene	77	11.743	11.743	(1.155)	6227684	2000.00	2400 (A)
110 1,2,4-Trichlorobenzene	180	11.851	11.851	(1.166)	5388205	200.000	200 (A)
111 Hexachlorobutadiene	225	11.832	11.832	(1.164)	1627937	200.000	200
112 Naphthalene	128	12.137	12.137	(1.194)	10953398	200.000	170
113 1,2,3-Trichlorobenzene	180	12.295	12.295	(1.209)	5051264	200.000	220 (A)
\$ 114 Bromofluorobenzene	95	9.190	9.190	(0.904)	2167866	100.000	110
M 115 1,2-Dichloroethene (total)	100				5735505	400.000	390
M 116 Xylene (total)	100				38660834	600.000	1000

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
H - Operator selected an alternate compound hit.

0000067

Date: 03-JUN-2003 14:31

Client ID: VSTD20005

Sample Info: VSTD20005

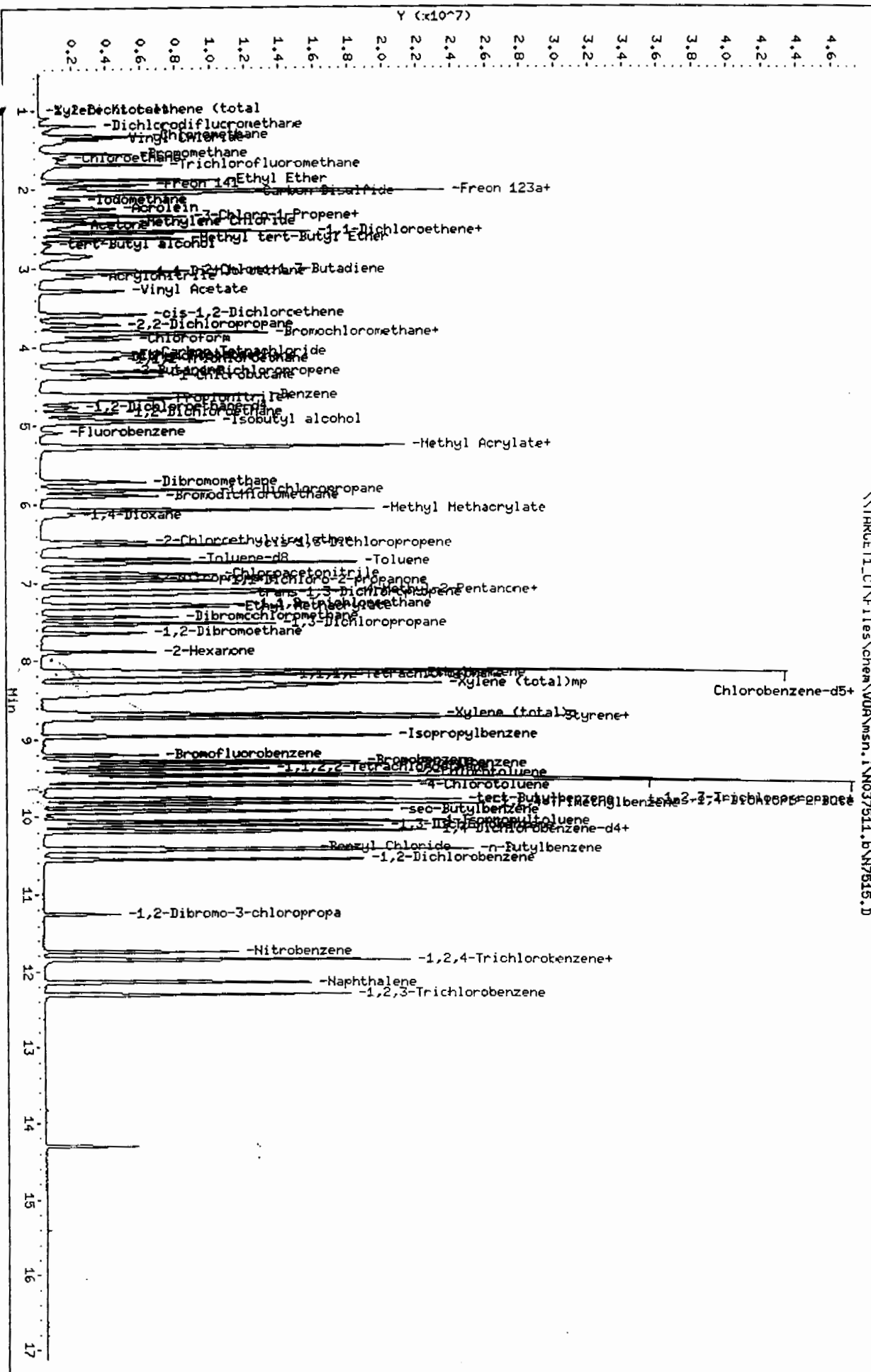
Purge Volume: 5.0

Column phase: RTX-624

Instrument: msn.i

Operator: L. Decker

Column diameter: 0.53



0000068

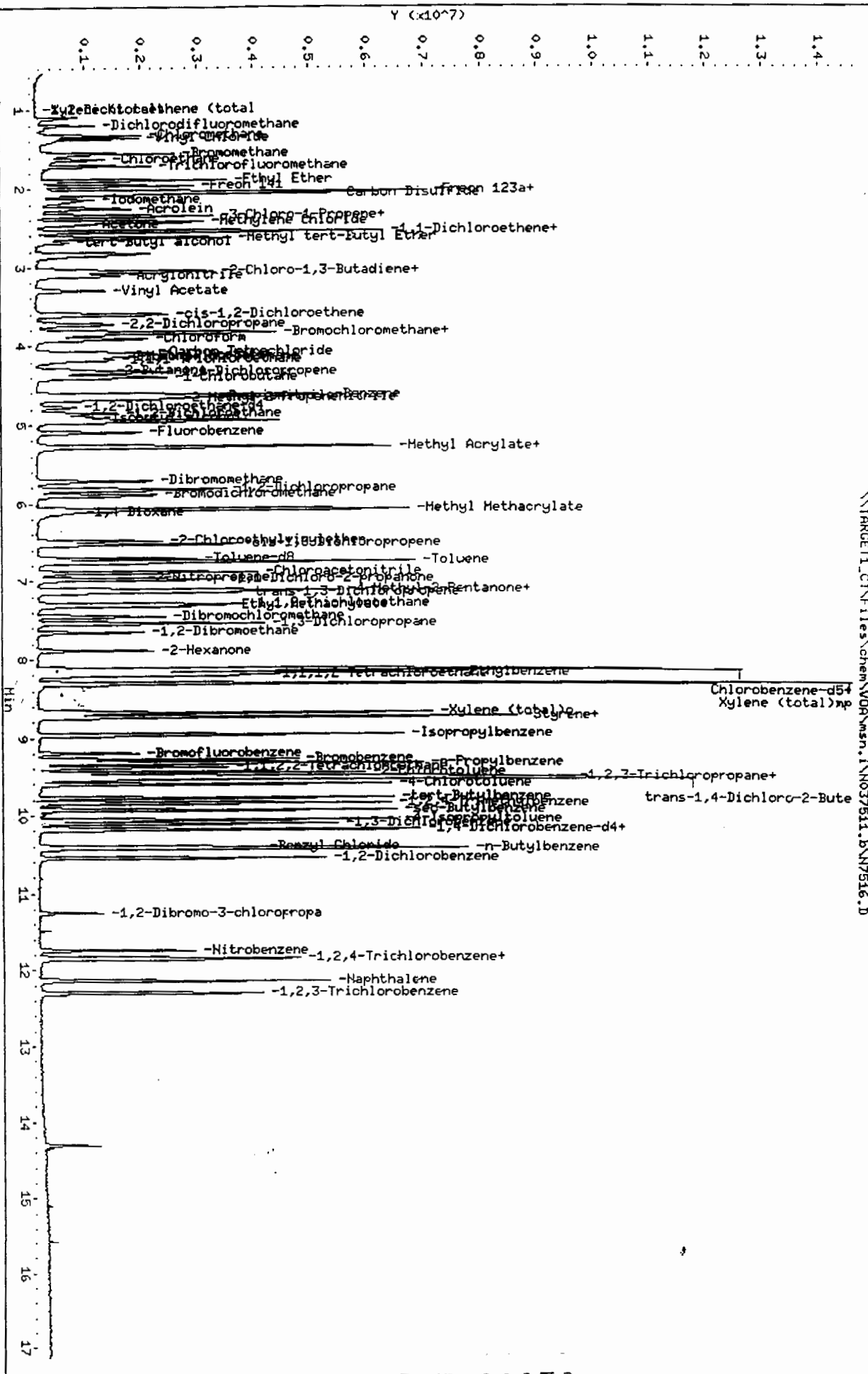
Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	CN-COL (ug/L)
23 Acetonitrile	41	2.351	2.340 (0.462)		2206817	500.000	600(H)
26 Acrylonitrile	53	3.110	3.109 (0.611)		1375681	100.000	110
27 2-Chloro-1,3-Butadiene	88	3.041	3.030 (0.597)		925795	50.0000	47
28 1,1-Dichloroethane	63	3.060	3.060 (0.601)		2177432	50.0000	48
29 Vinyl Acetate	43	3.297	3.286 (0.648)		2146087	50.0000	31
30 cis-1,2-Dichloroethene	96	3.602	3.592 (0.708)		1267178	50.0000	51
31 2,2-Dichloropropane	77	3.721	3.720 (0.731)		1176709	50.0000	41
32 Bromochloromethane	128	3.829	3.819 (0.752)		616748	50.0000	52
33 Chloroform	83	3.908	3.907 (0.768)		1955685	50.0000	49
34 Ethyl Acetate	43	4.115	4.114 (0.606)		240634	100.000	84
35 Methyl Acrylate	55	5.268	5.267 (1.035)		1311000	50.0000	41
\$ 36 Dibromofluoromethane	111	4.134	4.134 (0.812)		482487	25.0000	24
37 Tetrahydrofuran	42	4.115	4.114 (0.808)		1280271	100.000	100
38 1,1,1-Trichloroethane	97	4.174	4.163 (0.820)		1088860	50.0000	45
39 Carbon Tetrachloride	117	4.095	4.085 (0.804)		786033	50.0000	42
40 2-Butanone	43	4.302	4.301 (0.845)		1142513	50.0000	51
41 1,1-Dichloropropene	75	4.322	4.321 (0.849)		1399786	50.0000	44
42 Cyclohexane	84	3.835	3.828 (0.754)		1441086	50.0000	41
45 1-Chlorobutane	56	4.351	4.360 (0.863)		2154270	50.0000	44
46 Propionitrile	54	4.647	4.656 (0.913)		2562350	500.000	520
47 Isobutyl Alcohol	42	4.903	4.942 (0.963)		664772	500.000	480
48 Benzene	78	4.617	4.617 (0.907)		5001175	50.0000	45
49 2-Methyl-2-Propenenitrile	41	4.667	4.666 (0.917)		1236502	50.0000	50
\$ 50 1,2-Dichloroethane-d4	65	4.775	4.765 (0.938)		441636	25.0000	21
51 1,2-Dichloroethane	62	4.854	4.843 (0.954)		1152619	50.0000	44
55 Methyl Cyclohexane	83	5.268	5.267 (1.035)		1655867	50.0000	40
56 Trichloroethene	130	5.278	5.277 (1.037)		1137210	50.0000	49
57 Dibromomethane	93	5.711	5.711 (1.122)		905068	50.0000	50
58 1,2-Dichloropropane	63	5.820	5.819 (1.143)		1448857	50.0000	50
59 Bromodichloromethane	83	5.889	5.888 (1.157)		1537228	50.0000	48
60 Methyl Methacrylate	69	6.076	6.075 (1.194)		2491802	100.000	100
61 1,4-Dioxane	58	6.115	6.134 (1.201)		590052	500.000	490
62 2-Chloroethylvinylether	63	6.480	6.479 (1.273)		878843	50.0000	52
63 cis-1,3-Dichloropropene	75	6.519	6.519 (1.281)		2159970	50.0000	48
64 2-Nitropropane	41	6.963	6.962 (1.368)		709056	100.000	81
65 Chloroacetonitrile	48	6.884	6.893 (1.352)		1759033	1000.00	1000
66 trans-1,3-Dichloropropene	75	7.150	7.150 (1.405)		1854755	50.0000	46
67 1,1,2-Trichloroethane	97	7.288	7.288 (1.432)		1149622	50.0000	50
* 68 Chlorobenzene-d5	117	8.126	8.125 (1.000)		1315806	25.0000	
69 Toluene	91	6.756	6.755 (0.831)		4684917	50.0000	52
\$ 70 Toluene-d8	98	6.707	6.706 (0.825)		1736351	25.0000	26
71 1,1-Dichloro-2-propanone	43	6.983	6.982 (0.859)		4655707	250.000	220
72 4-Methyl-2-Pentanone	43	7.121	7.120 (0.876)		2078760	50.0000	50
73 Tetrachloroethene	164	7.111	7.110 (0.875)		788219	50.0000	47
74 Ethyl Methacrylate	69	7.318	7.317 (0.901)		1445399	50.0000	52
75 Dibromochloromethane	129	7.446	7.445 (0.916)		1153347	50.0000	49
76 1,3-Dichloropropane	76	7.534	7.534 (0.927)		2224975	50.0000	51
77 1,2-Dibromoethane	107	7.653	7.652 (0.942)		1221564	50.0000	53
78 2-Hexanone	43	7.889	7.889 (0.971)		1529772	50.0000	51
79 1-Chlorohexane	91	8.136	8.135 (1.001)		1650888	50.0000	43
80 Chlorobenzene	112	8.136	8.135 (1.001)		2903718	50.0000	44
81 1,1,1,2-Tetrachloroethane	131	8.195	8.194 (1.008)		919253	50.0000	51
82 Ethylbenzene	106	8.175	8.175 (1.006)		1404902	50.0000	48
83 Xylene (total)mp	106	8.303	8.303 (1.022)		3610662	100.000	72

0000070

Compounds	QUANT SIG MASS					AMOUNTS	
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
84 Xylene (total)o	106	8.678	8.678	(1.068)	1691538	50.0000	58 (H)
85 Styrene	104	8.727	8.727	(1.074)	2995752	50.0000	49
86 Bromoform	173	8.737	8.737	(1.075)	873968	50.0000	48
* 87 1,4-Dichlorobenzene-d4	152	10.176	10.166	(1.000)	648905	25.0000	
88 Isopropylbenzene	105	8.963	8.964	(0.881)	3966038	50.0000	55
89 1,1,2,2-Tetrachloroethane	83	9.377	9.378	(0.922)	1842479	50.0000	51
90 Bromobenzene	156	9.289	9.279	(0.913)	1169937	50.0000	55
91 1,2,3-Trichloropropane	110	9.496	9.496	(0.933)	390222	50.0000	55
92 trans-1,4-Dichloro-2-Butene	53	9.535	9.535	(0.937)	981823	100.0000	100
93 n-Propylbenzene	91	9.318	9.319	(0.916)	5580011	50.0000	55
94 2-Chlorotoluene	91	9.446	9.447	(0.928)	3072558	50.0000	54
95 4-Chlorotoluene	91	9.594	9.595	(0.943)	3186960	50.0000	53
96 1,3,5-Trimethylbenzene	105	9.496	9.496	(0.933)	2950666	50.0000	52
97 tert-Butylbenzene	119	9.772	9.772	(0.960)	2486153	50.0000	49
98 1,2,4-Trimethylbenzene	105	9.831	9.831	(0.966)	2966971	50.0000	51
99 sec-Butylbenzene	105	9.929	9.930	(0.976)	4067049	50.0000	50
100 4-Isopropyltoluene	119	10.057	10.058	(0.988)	3157736	50.0000	49
101 1,3-Dichlorobenzene	146	10.107	10.107	(0.993)	2059306	50.0000	50
102 1,4-Dichlorobenzene	146	10.186	10.186	(1.001)	2116336	50.0000	49
103 1,2-Dichlorobenzene	146	10.550	10.550	(1.037)	2033865	50.0000	50
104 Benzyl Chloride	126	10.402	10.403	(1.022)	458352	50.0000	46
105 n-Butylbenzene	91	10.422	10.422	(1.024)	6033482	50.0000	49
108 1,2-Dibromo-3-chloropropane	75	11.250	11.240	(1.106)	229337	50.0000	48
109 Nitrobenzene	77	11.743	11.743	(1.154)	1396508	500.000	520
110 1,2,4-Trichlorobenzene	180	11.851	11.851	(1.165)	1296076	50.0000	47
111 Hexachlorobutadiene	225	11.831	11.832	(1.163)	361712	50.0000	42
112 Naphthalene	128	12.137	12.137	(1.193)	3622144	50.0000	54
113 1,2,3-Trichlorobenzene	180	12.295	12.295	(1.208)	1226677	50.0000	50
\$ 114-Bromofluorobenzene	95	9.200	9.190	(0.904)	586644	25.0000	27
M 115 1,2-Dichloroethene (total)	100				2326338	100.000	100
M 116 Xylene (total)	100				5302200	150.000	130

QC Flag Legend

H - Operator selected an alternate compound hit.



FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-CT

Contract:

Lab Code: STLCT

Case No.: 204118

SAS No.:

SDG No.: 204118

Instrument ID: MSN

Calibration Date: 07/15/03

Time: 0742

Lab File ID: N7974

Init. Calib. Date(s): 06/03/03

06/03/03

Heated Purge: (Y/N) N

Init. Calib. Times: 1301

1646

GC Column: RTX-624 ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Benzene	1.308	1.392	0.01	6.4	100
1,2-Dichloroethane	0.334	0.368	0.01	10.2	100
2-Chloro-1,3-Butadiene	0.254	0.278	0.01	9.4	100
Vinyl Acetate	0.892	0.920	0.01	3.1	100
Trichloroethene	0.297	0.312	0.01	5.0	100
1,2-Dichloropropane	0.374	0.390	0.01	4.3	20.0
Methyl Methacrylate	0.320	0.306	0.01	4.4	100
1,4-Dioxane	0.015	0.014	0.001	6.7	100
Dibromomethane	0.234	0.267	0.01	14.1	100
Bromodichloromethane	0.408	0.440	0.01	7.6	100
2-Nitropropane	0.112	0.119	0.01	6.2	100
2-Chloroethylvinylether	0.218	0.048	0.001	78.0	100
cis-1,3-Dichloropropene	0.584	0.605	0.01	3.6	100
trans-1,3-Dichloropropene	0.517	0.531	0.01	2.7	100
1,1,2-Trichloroethane	0.297	0.308	0.01	3.7	100
4-Methyl-2-Pentanone	0.788	0.770	0.01	2.3	100
Toluene	1.714	1.798	0.01	4.9	20.0
Ethyl Methacrylate	0.526	0.420	0.01	20.2	100
Tetrachloroethene	0.320	0.352	0.01	10.0	100
1,3-Dichloropropane	0.827	0.857	0.01	3.6	100
2-Hexanone	0.570	0.569	0.01	0.2	100
Dibromochloromethane	0.436	0.472	0.01	8.2	100
1,2-Dibromoethane	0.441	0.470	0.01	6.6	100
1,1-Dichloro-2-propanone	0.395	0.376	0.01	4.8	100
1-Chlorohexane	0.728	0.700	0.01	3.8	100
Chlorobenzene	1.255	1.111	0.3	11.5	100
1,1,1,2-Tetrachloroethane	0.344	0.371	0.01	7.8	100
Ethylbenzene	0.555	0.603	0.01	8.6	20.0
Xylene (total)mp	0.947	0.756	0.01	20.2	100
Xylene (total)o	0.671	0.736	0.01	9.7	100
Styrene	1.161	1.221	0.01	5.2	100
Bromoform	0.344	0.369	0.1	7.3	100
Isopropylbenzene	2.762	2.823	0.01	2.2	100
1,1,2,2-Tetrachloroethane	1.381	1.311	0.3	5.1	100
Bromobenzene	0.825	0.866	0.01	5.0	100
1,2,3-Trichloropropane	0.275	0.252	0.01	8.4	100
trans-1,4-Dichloro-2-Butene	0.363	0.346	0.01	4.7	100

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-CT

Contract:

Lab Code: STLCT

Case No.: 204118 SAS No.:

SDG No.: 204118.

Instrument ID: MSN

Calibration Date: 07/15/03 Time: 0742

Lab File ID: N7974

Init. Calib. Date(s): 06/03/03 06/03/03

Heated Purge: (Y/N) N

Init. Calib. Times: 1301 1646

GC Column: RTX-624 ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
n-Propylbenzene	3.891	4.075	0.01	4.7	100
2-Chlorotoluene	2.204	2.223	0.01	0.9	100
4-Chlorotoluene	2.323	2.337	0.01	0.6	100
1,3,5-Trimethylbenzene	2.178	2.194	0.01	0.7	100
tert-Butylbenzene	1.955	1.944	0.01	0.6	100
1,2,4-Trimethylbenzene	2.220	2.189	0.01	1.4	100
sec-Butylbenzene	3.098	3.283	0.01	6.0	100
4-Isopropyltoluene	2.458	2.533	0.01	3.0	100
1,3-Dichlorobenzene	1.593	1.650	0.01	3.6	100
1,4-Dichlorobenzene	1.661	1.668	0.01	0.4	100
1,2-Dichlorobenzene	1.580	1.555	0.01	1.6	100
Benzyl Chloride	0.382	0.352	0.01	7.8	100
Pentachloroethane					100
n-Butylbenzene	4.760	4.851	0.01	1.9	100
1,2-Dibromo-3-chloropropane	0.183	0.160	0.01	12.6	100
Nitrobenzene	0.103	0.082	0.01	20.4	100
1,2,4-Trichlorobenzene	1.064	1.026	0.01	3.6	100
Hexachlorobutadiene	0.330	0.338	0.01	2.4	100
Naphthalene	2.559	2.275	0.01	11.1	100
1,2,3-Trichlorobenzene	0.948	0.984	0.01	3.8	100
Xylene (total)	0.855	0.749	0.01	12.4	100
1,2-Dichloroethene (total)	0.296	0.320	0.01	8.1	100
Methyl Cyclohexane	0.528	0.536	0.01	1.5	100
Cyclohexane	0.448	0.465	0.01	3.8	100
Methyl Acetate	1.047	0.979	0.01	6.5	100
Acetonitrile	0.058	0.064	0.001	10.3	100
Isobutyl Alcohol	0.018	0.015	0.001	16.7	100
Dibromofluoromethane	0.258	0.281	0.01	8.9	100
1,2-Dichloroethane-d4	0.267	0.285	0.01	6.7	100
Toluene-d8	1.284	1.263	0.01	1.6	100
Bromofluorobenzene	0.822	0.785	0.01	4.5	100

STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1 CT\FILES\chem\VOA\msn.i\N037974.b\N7974.D
Lab Smp Id: VSTD050NM Client Smp ID: VSTD050NM
Inj Date : 15-JUL-2003 07:42 MS Autotune Date: 23-JUN-2003 09:04
Operator : D. HUMBERT Inst ID: msn.i
Smp Info : VSTD050NM
Misc Info : : ;;; VSTD050NM ; 8260B ;1; LLW
Comment :
Method : \\TARGET1 CT\FILES\chem\VOA\msn.i\N037974.b\N8260BFW.m
Meth Date : 15-Jul-2003 07:58 dave Quant Type: ISTD
Cal Date : 03-JUN-2003 14:31 Cal File: N7515.D
Als bottle: 67 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.10
Processing Host: CONMSLNT

Compound Sublist: 8260BAP9.sub

Concentration Formula: Amt * DF * Uf * 1/Vo * Cpn Variable Date: 7, 15, 03

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Secondary review: Li. Cao Date: 7, 15, 03

Compounds	QUANT SIG						AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
1 Fluorobenzene	96		5.137	5.137 (1.000)		119027	25.0000	
2 Dichlorodifluoromethane	85		1.215	1.215 (0.237)		76470	50.0000	53
3 Chloromethane	50		1.333	1.333 (0.260)		136541	50.0000	44
4 Vinyl Chloride	62		1.382	1.382 (0.269)		125532	50.0000	52
5 Bromomethane	94		1.570	1.570 (0.306)		125431	50.0000	70
6 Chloroethane	64		1.649	1.649 (0.321)		92397	50.0000	69
7 Trichlorofluoromethane	101		1.737	1.737 (0.338)		113429	50.0000	59
8 Ethyl Ether	45		1.915	1.915 (0.373)		89036	50.0000	52
9 Freon 141	81		1.984	1.984 (0.386)		157635	50.0000	62
10 Freon 123a	67		2.062	2.062 (0.402)		20063	50.0000	54
11 Trichlorotrifluoroethane	101		2.072	2.072 (0.403)		83270	50.0000	57
12 1,1-Dichloroethene	96		2.575	2.575 (0.501)		72657	50.0000	56
13 Carbon Disulfide	76		2.092	2.092 (0.407)		370259	50.0000	59
14 Iodomethane	142		2.161	2.161 (0.421)		109259	50.0000	70
15 3-Chloro-1-Propene	41		2.378	2.378 (0.463)		152697	50.0000	54
16 Methylene Chloride	84		2.447	2.447 (0.476)		86871	50.0000	58
17 Acetone	43		2.486	2.486 (0.484)		56648	50.0000	61
18 trans-1,2-Dichloroethene	96		2.575	2.575 (0.501)		72657	50.0000	56
19 Methyl tert-Butyl Ether	73		2.654	2.654 (0.517)		209174	50.0000	54
20 Acrolein	56		2.269	2.269 (0.442)		113776	250.000	360
21 tert-Butyl alcohol	59		2.713	2.713 (0.528)		41305	250.000	230 (M)
22 Methyl Acetate	43		2.575	2.575 (0.501)		232978	50.0000	47

0000076

0000077

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ug/L)	CN-COL ug/L
84 Xylene (total)	106	8.705	8.705	(1.065)	122841	50.0000	50
86 Styrene	104	8.754	8.754	(1.075)	203943	50.0000	50
88 Bromoform	173	8.764	8.764	(1.076)	61670	50.0000	54
87 1,4-Dichlorobenzene-84	152	10.193	10.193	(1.000)	50467	25.0000	
88 Isopropylbenzene	105	9.981	9.981	(0.981)	284944	50.0000	51
89 1,1,2,2-Tetrachloroethane	83	9.405	9.405	(0.923)	132194	50.0000	47
90 Bromobenzene	156	9.306	9.306	(0.913)	87411	50.0000	51
91 1,1,3-Trichloropropane	110	9.513	9.513	(0.933)	25429	50.0000	48
92 trans-1,4-Dichloro-2-butene	83	9.552	9.552	(0.937)	69820	100.0000	10
93 n-Propylbenzene	91	9.345	9.345	(0.917)	411188	50.0000	47
94 2-Chlorotoluene	91	9.474	9.474	(0.933)	224339	50.0000	50
95 4-Chlorotoluene	91	9.611	9.611	(0.943)	235873	50.0000	47
96 1,3,6-Trimethylbenzene	105	9.523	9.523	(0.934)	221424	50.0000	50
97 tert-Butylbenzene	119	9.789	9.789	(0.960)	196203	50.0000	50
98 1,2,4-Trimethylbenzene	105	9.858	9.858	(0.967)	120540	50.0000	48
99 sec-Butylbenzene	105	9.947	9.947	(0.971)	311395	50.0000	50
100 4-Isopropyltoluene	119	10.075	10.075	(0.998)	255578	50.0000	50
101 1,3-Dichlorobenzene	146	10.104	10.104	(0.991)	146300	50.0000	
102 1,4-Dichlorobenzene	146	10.203	10.203	(1.001)	149400	50.0000	
103 1,2-Dichlorobenzene	146	10.567	10.567	(1.007)	156950	50.0000	48
104 Benzyl Chloride	127	10.420	10.420	(1.002)	35450	50.0000	48
105 n-Butylbenzene	91	10.439	10.439	(1.004)	466613	50.0000	51
106 1,2-Dibromo-3-chloropropane	75	11.267	11.267	(1.103)	18130	50.0000	44
109 Nitrobenzene	77	11.760	11.760	(1.154)	82517	500.0000	400
110 1,2,4-Trichlorobenzene	150	11.868	11.868	(1.164)	103510	50.0000	48
111 Hexachlorobutadiene	225	11.849	11.849	(1.162)	34102	50.0000	51
112 Naphthalene	128	12.154	12.154	(1.192)	229647	50.0000	44
113 1,2,3-Trichlorobenzene	180	12.322	12.322	(1.209)	99276	50.0000	52
S 114 Bromofluorobenzene	95	9.217	9.217	(0.904)	39609	25.0000	14
M 115 1,2-Dichloroethene (total)	100				152124	100.0000	110
M 116 Xylene (total)	100				375322	150.0000	130

QC Flag Legend

T - Target compound detected outside RT window.
M - Compound response manually integrated.

0000078

Date : 03-JUN-2003 10:36

Client ID: 50ng 4-BFB

Instrument: msn.i

Sample Info: 50ng 4-BFB

Operator: L.Decker

Column phase: RTX-624

Column diameter: 0.53

Data File: NB951.D

Spectrum: Avg. Scans 292-294 (5.92), Background Scan 287

Location of Maximum: 95.00

Number of points: 74

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	10679	60.00	6341	82.00	6206	129.00	832
37.00	52448	61.00	29696	86.00	531	130.00	1717
38.00	44520	62.00	28680	87.00	41424	131.00	497
39.00	16369	63.00	23016	88.00	42112	137.00	333
40.00	298	64.00	2030	91.00	2729	141.00	5285
42.00	437	67.00	1445	92.00	16218	142.00	388
43.00	1497	68.00	70280	93.00	25016	143.00	4603
44.00	2205	69.00	71304	94.00	74336	148.00	936
45.00	7663	70.00	5933	95.00	655168	153.00	392
47.00	14702	72.00	3669	96.00	41944	155.00	484
48.00	6009	73.00	27632	97.00	947	171.00	730
49.00	32760	74.00	106768	104.00	2946	172.00	1234
50.00	157312	75.00	321600	105.00	722	173.00	2320
51.00	47232	76.00	27568	106.00	2967	174.00	526976
52.00	2639	77.00	5287	116.00	2046	175.00	39928
55.00	2964	78.00	3995	117.00	3634	176.00	507776
56.00	11658	79.00	28824	118.00	1914	177.00	33512
57.00	18664	80.00	7705	119.00	2671		
58.00	946	81.00	27944	128.00	1754		

0000082

Date : 15-JUL-2003 07:06

Client ID: BFB

Instrument: msn.i

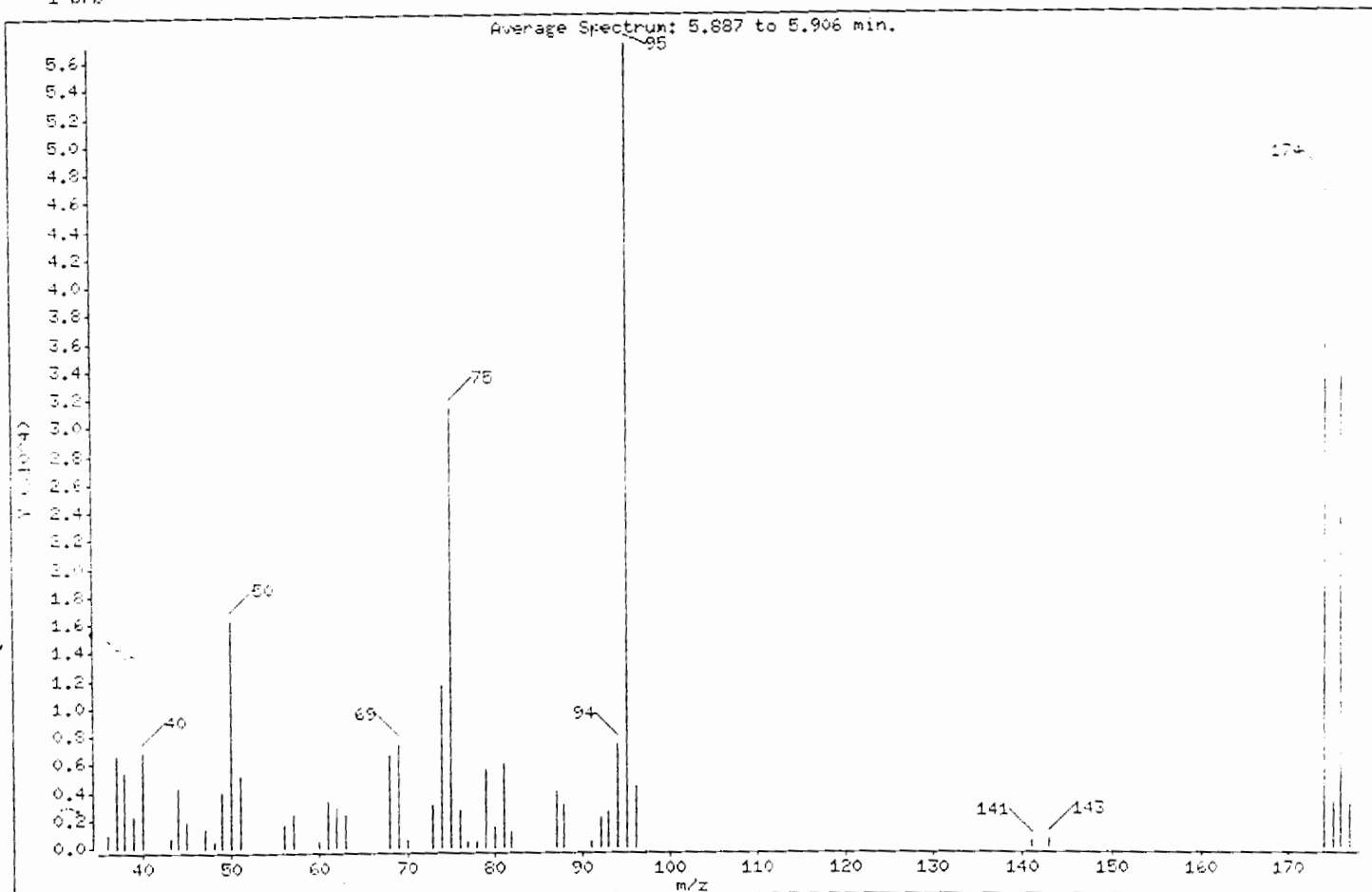
Sample Info: 50ng 4-BFB

Operator: D. HUMBERT

Column phase: RTX-624

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	28.61
75	30.00 - 60.00% of mass 95	54.80
96	5.00 - 9.00% of mass 95	7.50
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	82.41
175	5.00 - 9.00% of mass 174	5.99 (7.27)
176	95.00 - 101.00% of mass 174	81.63 (99.06)
177	5.00 - 9.00% of mass 176	5.24 (6.42)

0000083

Date : 15-JUL-2003 07:06

Client ID: BFB

Instrument: msn.i

Sample Info: 50ng 4-BFB

Operator: D. HUMBERT

Column phase#: RTX-624

Column diameter: 0.53

Data File: NB995.D
Spectrum: Average Spectrum: 5.887 to 5.906 min.
Location of Maximum: 95.00
Number of points: 46

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	281	51.00	5126	75.00	31272	93.00	1534
37.00	6560	56.00	1568	76.00	2683	94.00	7399
38.00	5408	57.00	2372	77.00	359	95.00	57072
39.00	2255	60.00	425	78.00	419	96.00	4279
40.00	6819	61.00	3241	79.00	5519	141.00	363
43.00	706	62.00	2539	80.00	1436	143.00	553
44.00	4231	63.00	2369	81.00	5966	174.00	47024
45.00	1890	68.00	6546	83.00	996	175.00	3419
47.00	1031	69.00	7343	87.00	3911	176.00	46524
48.00	375	70.00	484	88.00	3069	177.00	2930
49.00	3918	73.00	3082	91.00	391		
50.00	16327	74.00	11524	92.00	2069		

Job Number.: 204118

QUALITY CONTROL RESULTS

Report Date.: 07/16/2013

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Stephen Byatt

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8260B

Equipment Code.....: MSN

Analyst.....: pax

Method Description.: Volatile Organics (5mL Purge)

Batch.....: 19543

MS	Method Blank		19541 -001		07/16/2013	

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. value	Lab. value
Chloromethane	ug/L	1.00	U			
Vinyl chloride	ug/L	1.00	U			
Bromomethane	ug/L	3.10	U			
Chloroethane	ug/L	0.80	U			
1,1-Dichloroethene	ug/L	0.80	U			
Carbon disulfide	ug/L	0.60	U			
Acetone	ug/L	1.90	U			
Methylene chloride	ug/L	1.32	U			
trans-1,2-Dichloroethene	ug/L	0.60	U			
1,1-Dichloroethane	ug/L	0.60	U			
Vinyl acetate	ug/L	1.50	U			
cis-1,2-Dichloroethene	ug/L	0.60	U			
Butanone (MEK)	ug/L	1.10	U			
Propanoform	ug/L	0.40	U			
1,1,1-Trichloroethane	ug/L	0.40	U			
Carbon tetrachloride	ug/L	0.30	U			
Benzene	ug/L	0.40	U			
1,2-Dichloroethane	ug/L	0.30	U			
Trichloroethene	ug/L	0.70	U			
1,2-Dichloropropane	ug/L	0.60	U			
Bromodichloromethane	ug/L	0.60	U			
cis-1,3-Dichloropropene	ug/L	0.60	U			
4-Methyl-2-pentanone (MIBK)	ug/L	0.50	U			
Toluene	ug/L	0.30	U			
trans-1,3-Dichloropropene	ug/L	0.40	U			
1,1,2-Trichloroethane	ug/L	0.80	U			
Tetrachloroethene	ug/L	0.40	U			
2-Hexanone	ug/L	1.30	U			
Dibromochloromethane	ug/L	0.20	U			
Chlorobenzene	ug/L	0.20	U			
Ethylbenzene	ug/L	0.30	U			
Styrene	ug/L	0.40	U			
Bromoform	ug/L	0.40	U			
1,1,2,2-Tetrachloroethane	ug/L	0.70	U			
Xylenes (total)	ug/L	1.00	U			

0000086

Data File: N1800111.D\\N1800111.D\\Data\\N1800111.D\\N1800111.D

Date : 15-JUL-2003 09:25

Client ID: HB

Sample Info: HB

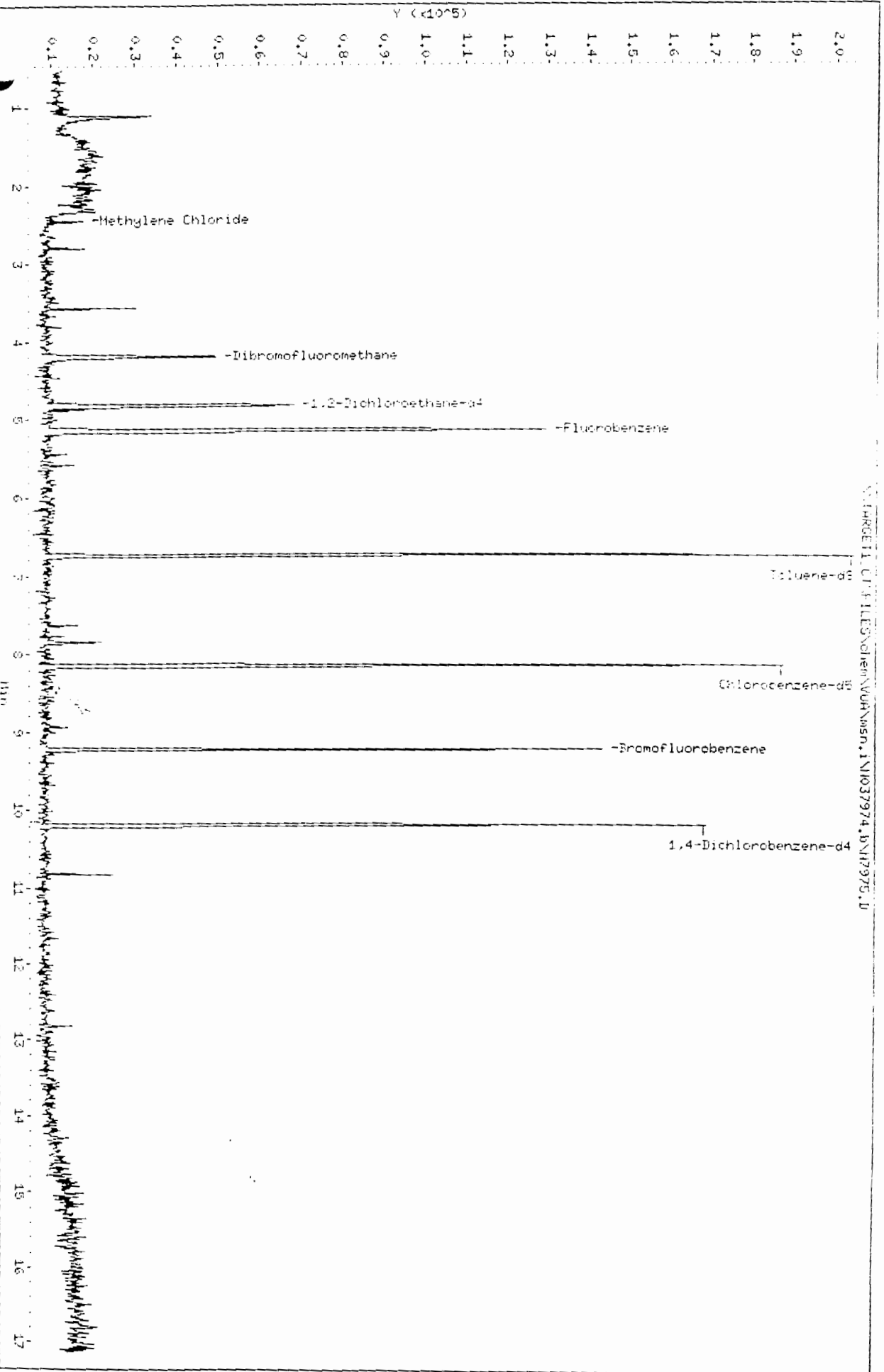
Purge Volume: 5.0

Column phase: R1X-624

Instrument: nri.1

Operator: D. HUBERT

Column diameter: 0.53



0000088

Date : 15-JUL-2003 08:25

Client ID: MB

Instrument: msn.1

Sample Info: MB

Purge Volume: 5.0

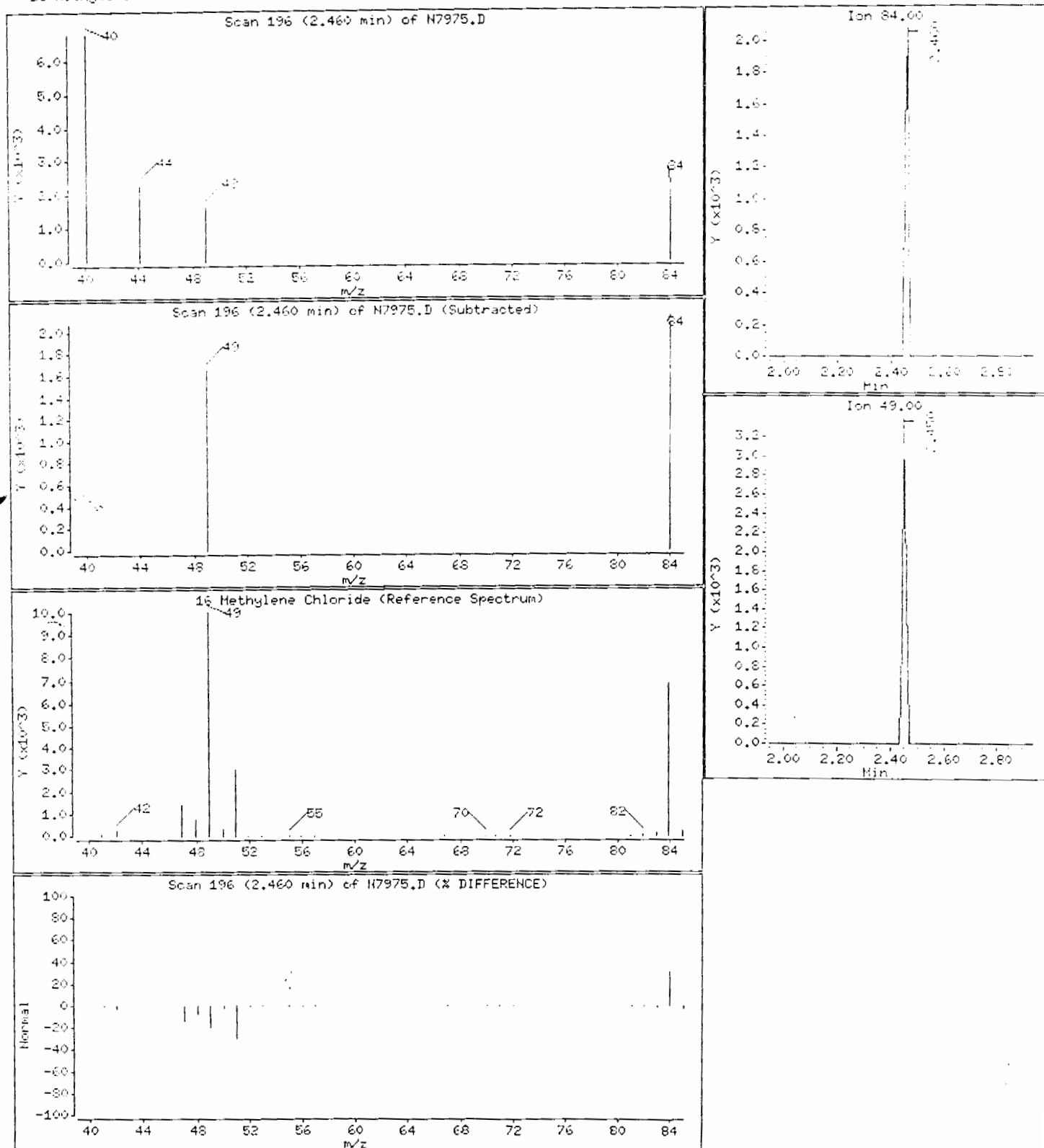
Operator: D. HUMBERT

Column phase: RTX-624

Column diameter: 0.53

16 Methylene Chloride

Concentration: 1 ug/L



0000089

QUALITY CONTROL RESULTS

Job Number.: 204118

Report Date.: 07/16/2003

CUSTOMER: Walden Associates		PROJECT: 218 LAKEVILLE ROAD A		ATTN: Stephen Byatt	
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date

Test Method.....: 8260B	Equipment Code....: MSN	Analyst.....: JAB
Method Description.: Volatile Organics (5mL Purge)	Batch.....: 19543	

LCS	Laboratory Control Sample	V03FWRK005	19541 - QC2

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	Lab. Value	Diff.
Chloromethane	ug/L	13.85		20.00	1.00	U 69	34.15
Vinyl chloride	ug/L	17.50		20.00	1.00	U 82	56.50
Bromomethane	ug/L	23.28		20.00	3.10	U 116	24.18
Chloroethane	ug/L	19.62		20.00	0.80	U 48	7.62
1,1-Dichloroethene	ug/L	15.58		20.00	0.80	U 78	69.42
Carbon disulfide	ug/L	17.45		20.00	0.60	U 87	53.55
Acetone	ug/L	31.69		20.00	1.90	U 158	17.22
Methylene chloride	ug/L	17.06		20.00	1.32	U 85	70.94
trans-1,2-Dichloroethene	ug/L	15.58		20.00	0.60	U 78	48.42
1,1-Dichloroethane	ug/L	16.61		20.00	0.60	U 83	74.39
cis-1,2-Dichloroethene	ug/L	17.59		20.00	0.60	U 88	64.41
2-Butanone (MEK)	ug/L	29.74		20.00	1.10	U 149	36.64
Chloroform	ug/L	19.67		20.00	0.40	U 98	69.33
1,1,1-Trichloroethane	ug/L	22.11		20.00	0.40	U 111	56.11
Carbon tetrachloride	ug/L	18.21		20.00	0.30	U 91	38.79
Bromobenzene	ug/L	17.15		20.00	0.40	U 86	64.85
1,2-Dichloroethane	ug/L	20.27		20.00	0.30	U 101	63.73
Trichloroethene	ug/L	13.44		20.00	0.70	U 67	64.56
1,2-Dichloropropane	ug/L	18.06		20.00	0.60	U 90	72.94
Bromodichloromethane	ug/L	19.98		20.00	0.60	U 100	56.02
cis-1,3-Dichloropropene	ug/L	16.64		20.00	0.60	U 83	60.36
4-Methyl-2-pentanone (MIBK)	ug/L	18.81		20.00	0.50	U 94	49.19
Toluene	ug/L	15.45		20.00	0.30	U 77	77.55
trans-1,3-Dichloropropene	ug/L	16.74		20.00	0.40	U 84	53.26
1,1,2-Trichloroethane	ug/L	17.39		20.00	0.80	U 87	69.61
Tetrachloroethene	ug/L	15.70		20.00	0.40	U 79	66.30
2-Hexanone	ug/L	28.81		20.00	1.30	U 144	34.11
Dibromochloromethane	ug/L	17.58		20.00	0.20	U 88	72.42
Chlorobenzene	ug/L	14.39		20.00	0.20	U 72	79.61
Ethylbenzene	ug/L	18.73		20.00	0.30	U 94	76.27
Styrene	ug/L	17.65		20.00	0.40	U 88	76.35
Bromoform	ug/L	19.44		20.00	0.40	U 97	68.56
1,1,2,2-Tetrachloroethane	ug/L	19.24		20.00	0.70	U 96	59.76

0000090

STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1 CT\FILES\chem\VOA\msn.i\N037974.b\N7976.D
Lab Smp Id: LCSV03FWRK005 Client Smp ID: LCSV03FWRK005
Inj Date : 15-JUL-2003 09:08 MS Autotune Date: 23-JUN-2003 09:04
Operator : D. HUMBERT Inst ID: msn.i
Smp Info : LCSV03FWRK005
Misc Info : : LCS;;; 020PPB_QCS ; 8260B ;1; LLW
Comment :
Method : \\TARGET1 CT\FILES\chem\VOA\msn.i\N037974.b\N8260BFW.m
Meth Date : 15-Jul-2003 09:28 dave Quant Type: ISTD
Cal Date : 03-JUN-2003 14:31 Cal File: N7515.D
Als bottle: 67 QCS Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260BAP9.suc
Target Version: 4.10
Processing Host: CONMSLNT

Report integrations for this sample have been reviewed

Concentration Formula: Amt * DF * Uf * 1/Vo * CondVariable

Name Value Description

DF 1.000 Dilution Factor
Uf 5.000 ng unit correction factor
Vo 5.000 Sample Volume purged (mL)
CondVariable Local Compound Variable

Compounds	QUANT SIG				CONCENTRATIONS		
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
1 Fluorobenzene	96	5.136	5.137 (1.000)		126557	25.0000	
2 Dichlorodifluoromethane	85	1.213	1.215 (0.236)		29698	19.5203	21
3 Chloromethane	50	1.341	1.333 (0.261)		45611	13.8532	14
4 Vinyl Chloride	62	1.381	1.382 (0.269)		45181	17.5003	15
5 Bromomethane	94	1.578	1.570 (0.307)		44014	23.2849	23
6 Chloroethane	64	1.657	1.649 (0.323)		27859	19.6211	20
7 Trichlorofluoromethane	101	1.736	1.737 (0.338)		36804	18.0376	18
8 Ethyl Ether	45	1.913	1.915 (0.373)		30310	16.6074	17
9 Freon 141	81	1.982	1.984 (0.386)		44020	16.4154	16
10 Freon 123a	67	2.061	2.062 (0.401)		10342	26.2960	21
11 Trichlorotrifluoroethane	101	2.071	2.072 (0.403)		30208	19.4451	19
12 1,1-Dichloroethene	96	2.573	2.575 (0.501)		21659	15.5753	16
13 Carbon Disulfide	76	2.090	2.092 (0.407)		115537	17.4505	17
14 Iodomethane	142	2.169	2.161 (0.422)		34927	20.9186	21
15 3-Chloro-1-Propene	41	2.376	2.378 (0.463)		50286	16.7887	17
16 Methylene Chloride	84	2.455	2.447 (0.475)		27284	17.0616	17
17 Acetone	43	2.485	2.486 (0.484)		31075	31.6862	32
18 trans-1,2-Dichloroethene	96	2.573	2.575 (0.501)		21659	15.5753	16
19 Methyl tert-Butyl Ether	73	2.652	2.654 (0.516)		64008	20.4157	20
20 Anrolein	56	2.652	2.659 (0.516)		4654	14.3797	14
21 tert-Butyl alcohol	59	2.711	2.713 (0.528)		17705	92.4921	92
22 Methyl Acetate	43	2.573	2.575 (0.501)		93268	17.5980	18

0000091

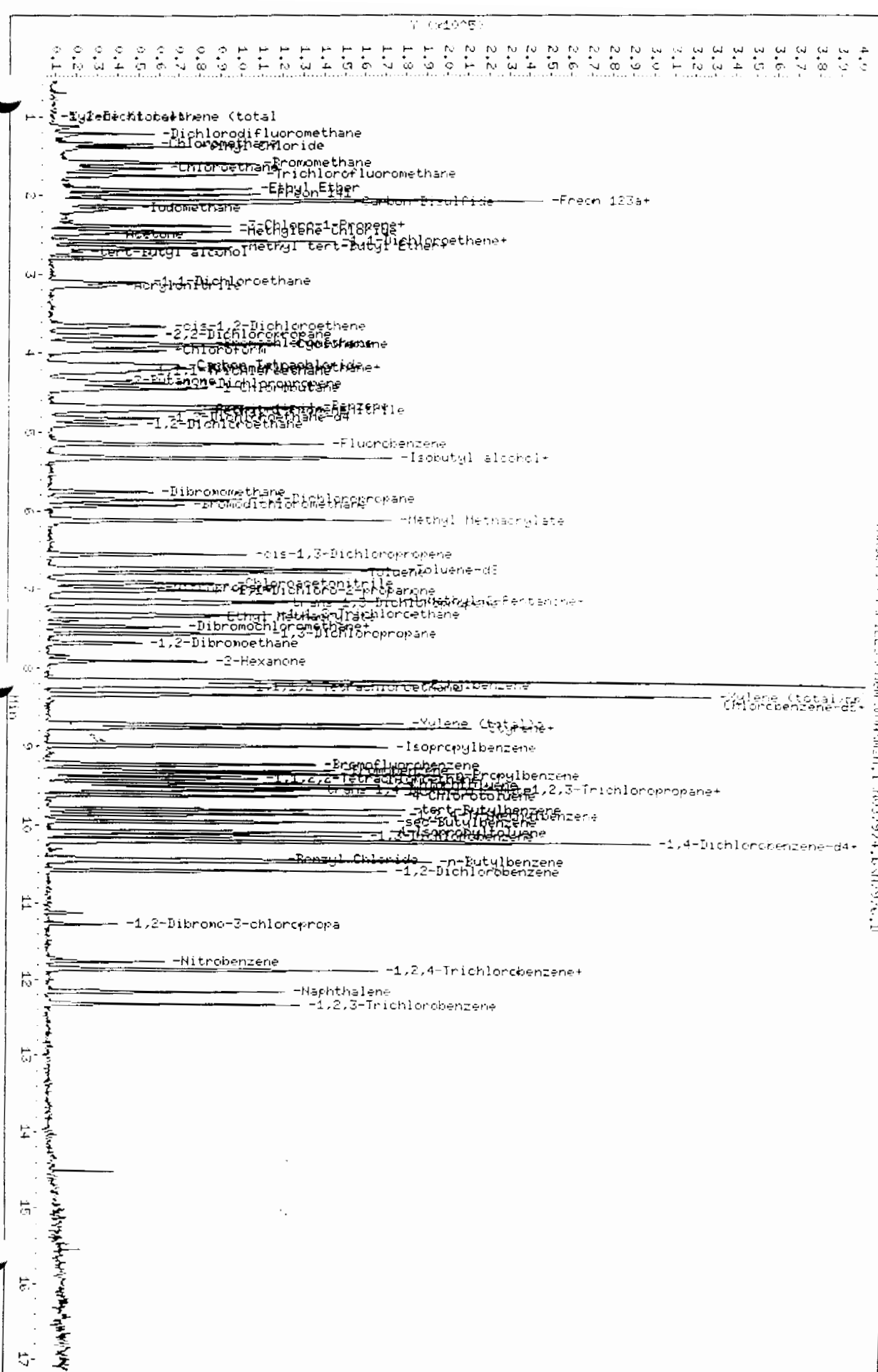
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/L)	FINAL (ug/L)
23 Acetonitrile	41	2.376	2.376	(0.463)	50286	170.796	17
26 Acrylonitrile	53	3.135	3.076	(0.610)	29474	15.1959	15
28 1,1-Dichloroethane	63	3.135	3.097	(0.603)	48402	16.6106	17
30 cis-1,2-Dichloroethene	96	3.647	3.639	(0.710)	18170	17.5925	17
31 2,2-Dichloropropane	77	3.776	3.767	(0.735)	34909	15.7383	17
33 Bromochloromethane	114	3.664	3.666	(0.782)	10878	16.7410	17
33 Chloroform	83	3.963	3.958	(0.770)	51146	15.6684	17
34 Ethyl Acetate	43	4.170	4.171	(0.812)	8390	34.4475	14 M
35 Methyl Acrylate	55	5.313	5.315	(1.035)	37021	17.8481	14 M
36 Dibromofluoromethane	111	4.190	4.191	(0.814)	32434	17.1727	17
37 Tetrahydrofuran	41	4.170	4.162	(0.812)	31186	17.4434	17
38 1,1,1-Trichloroethane	77	4.229	4.221	(0.853)	35181	17.1113	17
39 Carbon Tetrachloride	117	4.190	4.142	(0.808)	22125	16.2107	15
40 2-Butanone	43	4.347	4.339	(0.846)	43523	19.7364	17
41 1,1-Dichloropropene	75	4.377	4.369	(0.852)	35518	15.8377	17
42 Cyclohexane	84	3.894	3.886	(0.756)	40628	17.9178	16
45 1-Chlorobutane	56	4.436	4.438	(0.864)	52442	19.7826	17
46 Propionitrile	54	4.693	4.684	(0.914)	31766	16.1367	17
47 Isobutyl Alcohol	41	4.313	4.351	(0.915)	31777	16.8311	17
48 Benzene	78	4.670	4.664	(0.911)	111674	17.1811	17
49 2-Methyl-2-Propenenitrile	41	4.712	4.713	(0.917)	28213	17.6947	16
50 1,2-Dichloroethane-d4	63	4.820	4.812	(0.939)	34871	15.9174	17
51 1,2-Dichloroethane	63	4.899	4.891	(0.954)	34290	16.2733	17
56 Methyl Cyclohexane	83	5.323	5.315	(1.036)	47196	17.6667	17
56 Trichloroethene	130	5.323	5.315	(1.036)	20031	13.4420	13
57 Dibromomethane	93	5.756	5.748	(1.121)	20956	17.6763	16
58 1,2-Dichloropropane	63	5.855	5.857	(1.140)	34174	16.8637	16
59 Bromodichloromethane	93	5.924	5.926	(1.154)	41249	19.9762	20
60 Methyl Methacrylate	43	6.111	6.113	(1.193)	54019	33.3537	33
63 cis-1,3-Dichloropropene	75	6.555	6.556	(1.276)	49166	16.6391	17
64 2-Nitropropane	41	6.968	6.990	(1.361)	24723	41.8865	44
65 Chloroacetonitrile	46	6.919	6.911	(1.347)	34476	208.724	101
66 trans-1,3-Dichloropropene	75	7.176	7.177	(1.397)	43656	16.7426	17
67 1,1,2-Trichloroethane	97	7.323	7.315	(1.426)	24186	17.3927	17
68 Chlorobenzene-d5	117	8.151	8.143	(1.000)	90854	25.0000	17
69 Toluene	91	6.791	6.783	(0.833)	56232	15.4490	15
70 Toluene-d8	98	6.742	6.734	(0.827)	104205	22.3316	22
71 1,1-Dichloro-2-propanone	43	7.008	7.010	(0.860)	116293	80.9326	81
72 4-Methyl-2-Pentanone	43	7.146	7.148	(0.877)	53857	15.8120	15
73 Tetrachloroethene	164	7.146	7.148	(0.877)	18276	15.7047	16
74 Ethyl Methacrylate	69	7.343	7.345	(0.901)	31636	16.5597	16
75 Dibromochloromethane	129	7.481	7.483	(0.918)	27875	17.5834	18/M
76 1,3-Dichloropropane	75	7.570	7.562	(0.929)	50805	16.8953	17
77 1,2-Dibromoethane	107	7.688	7.680	(0.943)	28512	17.7872	18
78 2-Hexanone	43	7.915	7.907	(0.971)	59701	25.8140	25
79 1-Chlorohexane	91	8.161	8.163	(1.001)	52364	19.7927	20
80 Chlorobenzene	112	8.161	8.163	(1.001)	65653	14.3928	14 M
81 1,1,1,2-Tetrachloroethane	131	8.230	8.222	(1.010)	23618	15.6661	15 M
82 Ethylbenzene	106	8.201	8.202	(1.006)	37763	18.7265	18
83 Xylene (total)mp	106	8.329	8.330	(1.022)	68970	25.8416	26 (R)
84 Xylene (total)o	106	8.703	8.705	(1.068)	44354	18.1904	18
85 Styrene	104	8.752	8.754	(1.074)	74466	17.6469	18
86 Bromoform	173	8.762	8.764	(1.075)	24327	19.4440	19
87 1,4-Dichlorobenzene-d4	152	10.191	10.193	(1.000)	46340	25.0000	17

0000092

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/L)	FINAL (ug/L)
88 Isopropylbenzene	105	8.989	8.981 (0.882)		99750	19.4862	19
89 1,1,2,2-Tetrachloroethane	83	9.403	9.405 (0.903)		49241	19.2375	19
90 Bromobenzene	156	9.304	9.306 (0.903)		31040	20.2391	20
91 1,1,3-Trichloropropane	110	9.511	9.513 (0.903)		9000	18.1113	18
92 trans-1,4-Dichloro-2-Butene	83	9.551	9.552 (0.907)		21727	12.3699	12
93 n-Propylbenzene	91	9.344	9.345 (0.917)		144318	20.0065	20
94 2-Chlorotoluene	91	9.472	9.474 (0.903)		75096	18.4322	18
95 4-Chlorotoluene	91	9.620	9.611 (0.944)		65636	19.8931	20
96 1,3,5-Trimethylbenzene	105	9.531	9.523 (0.934)		71761	18.1154	18
97 tert-Butylbenzene	119	9.797	9.789 (0.961)		46610	18.1171	18
98 1,2,4-Trimethylbenzene	105	9.856	9.855 (0.967)		75336	18.4641	18
99 sec-Butylbenzene	105	9.955	9.947 (0.977)		113221	18.7011	18
100 4-Isopropyltoluene	119	10.083	10.078 (0.983)		66621	19.4417	19
101 1,3-Dichlorobenzene	146	10.132	10.124 (0.994)		56319	19.0703	19
102 1,4-Dichlorobenzene	146	10.201	10.203 (1.001)		61303	19.9019	19
103 1,2-Dichlorobenzene	146	10.566	10.567 (1.037)		65525	20.3379	20
104 Benzyl Chloride	126	10.428	10.420 (1.003)		11741	18.5971	18
105 n-Butylbenzene	91	10.448	10.439 (1.011)		101321	19.1977	19
106 1,2-Dichloro-1,1-dichloropropane	78	11.256	11.267 (1.013)		1111	17.0011	17
107 Nitrobenzene	77	11.789	11.781 (1.034)		15131	19.7031	19
108 1,1,1-Trichlorobenzene	141	11.867	11.868 (1.014)		10000	17.0001	17
109 Hexachlorocyclopentadiene	201	11.887	11.889 (1.013)		1000	17.0011	17
110 Naphthalene	128	12.151	12.154 (1.011)		70131	18.0111	18
111 1,1,2,2-Tetrachlorobenzene	141	12.325	12.323 (1.003)		35437	20.1427	20
M 114 Bromofluorobenzene	95	9.005	9.017 (0.919)		34364	20.8519	20
M 115 1,2-Dichloroethene (total)	100				49829	33.1677	33
M 116 Xylene (total)	100				133324	44.0020	44

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.



Appendix A, Part 3

Analytical Reports of the Groundwater Samples from Pulse 3

ANALYTICAL REPORT

JOB NUMBER: 204351

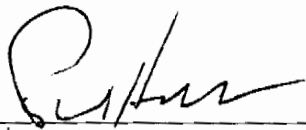
Prepared For:

Walden Associates
16 SPRING STREET
OYSTER BAY, NY 11771

Project: 218 LAKEVILLE ROAD A

Attention: Norman Bradley

Date: 08/18/2003



Signature

Name: Paul T. Hobart

Title: Project Manager

E-Mail: phobart@stl-inc.com

8/19/03

Date

STL Connecticut
128 Long Hill Cross Road
Shelton, CT 06484

This Report Contains (164) Pages

S A M P L E I N F O R M A T I O N
Date: 08/18/2003

Job Number.: 204351
Customer....: Walden Associates
Attn.....: Norman Bradley

Project Number.....: 20000828
Customer Project ID.....: 218 LAKEVILLE ROAD A
Project Description.....: 218 Lakeville Road Associates

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
204351-1	SAMPLE 1	Water	08/01/2003	00:00	08/04/2003	19:40
204351-2	SAMPLE 2	Water	08/01/2003	00:00	08/04/2003	19:40
204351-3	SAMPLE 3	Water	08/01/2003	00:00	08/04/2003	19:40
204351-4	SAMPLE 4	Water	08/01/2003	00:00	08/04/2003	19:40
204351-5	SAMPLE 5	Water	08/01/2003	00:00	08/04/2003	19:40
204351-6	SAMPLE 6	Water	08/01/2003	00:00	08/04/2003	19:40
204351-7	SAMPLE 7	Water	08/01/2003	00:00	08/04/2003	19:40
204351-8	SAMPLE 8	Water	08/01/2003	00:00	08/04/2003	19:40
204351-9	SAMPLE 9	Water	08/01/2003	00:00	08/04/2003	19:40
204351-10	SAMPLE 10	Water	08/01/2003	00:00	08/04/2003	19:40

STL Report : 204351
SPIEGEL ASSOCIATES c/o WALDEN ASSOCIATESCase Narrative

Sample Receipt – All samples were received in good condition and at the proper temperature.

None of the sample IDs on the VOA vials was legible. At the client's request, the samples were renamed "Sample 1" through "Sample 10". Note that the sample designations bear no relation to the IDs listed on the COC.

Volatile Organics – Volatile organics were determined by purge and trap GC/MS using guidance provided in Method 5030B/8260B. The instrumentation used was a Tekmar Model 2000/2016 Concentrator interfaced with a Hewlett Packard Model 5970A GC/MS/DS.

The spike compound percent recoveries were within the laboratory-generated guidelines in the independent source quality control samples.

Sample Calculation:

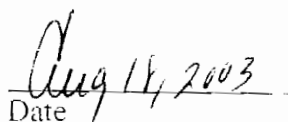
Sample ID-SAMPLE 9
Compound-Tetrachloroethene

$$\frac{(19083)(125)(1)}{(902440)(.373)(5)} = 1.4 = 1 \text{ UG/L.}$$

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative.

I certify that this data package is in compliance with the terms and conditions of this contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature.


Daniel W. Helfrich
Technical Director


Date

Job Number: 204351

LABORATORY TEST RESULTS

Date: 08/15/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Norman Bradley

Customer Sample ID: SAMPLE 1
Date Sampled.....: 08/01/2003
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 204351-1
Date Received.....: 08/04/2003
Time Received.....: 19:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)	ND	U		1	5	1.00000	ug/L	20788		08/12/03 1420	pam
	Chloromethane	ND	U		1	5	1.00000	ug/L	20788		08/12/03 1420	pam
	Vinyl chloride	ND	U		3	5	1.00000	ug/L	20788		08/12/03 1420	pam
	Bromomethane	ND	U		0.8	5	1.00000	ug/L	20788		08/12/03 1420	pam
	Chloroethane	ND	U		0.8	5	1.00000	ug/L	20788		08/12/03 1420	pam
	1,1-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1420	pam
	Carbon disulfide	ND	U		2	10	1.00000	ug/L	20788		08/12/03 1420	pam
	Acetone	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1420	pam
	Methylene chloride	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1420	pam
	trans-1,2-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1420	pam
	1,1-Dichloroethane	ND	U		2	5	1.00000	ug/L	20788		08/12/03 1420	pam
	Vinyl acetate	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1420	pam
	cis-1,2-Dichloroethene	ND	U		1	10	1.00000	ug/L	20788		08/12/03 1420	pam
	2-Butanone (MEK)	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1420	pam
	Chloroform	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1420	pam
	1,1,1-Trichloroethane	ND	U		0.3	5	1.00000	ug/L	20788		08/12/03 1420	pam
	Carbon tetrachloride	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1420	pam
	Benzene	ND	U		0.7	5	1.00000	ug/L	20788		08/12/03 1420	pam
	1,2-Dichloroethane	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1420	pam
	Trichloroethene	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1420	pam
	1,2-Dichloropropane	ND	U		0.5	10	1.00000	ug/L	20788		08/12/03 1420	pam
	Bromodichloromethane	ND	U		0.3	5	1.00000	ug/L	20788		08/12/03 1420	pam
	cis-1,3-Dichloropropene	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1420	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1420	pam
	Toluene	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1420	pam
	trans-1,3-Dichloropropene	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1420	pam
	1,1,2-Trichloroethane	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1420	pam
	Tetrachloroethene	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1420	pam
	2-Hexanone	ND	U		1	10	1.00000	ug/L	20788		08/12/03 1420	pam

* In Description = Dry Wgt.

LABORATORY TEST RESULTS											
Job Number: 204351				Date:08/15/2003							
CUSTOMER: Walden Associates				PROJECT: 218 LAKEVILLE ROAD A				ATTN: Norman Bradley			
Customer Sample ID: SAMPLE 1				Laboratory Sample ID: 204351-1							
Date Sampled.....: 08/01/2003				Date Received.....: 08/04/2003							
Time Sampled.....: 00:00				Time Received.....: 19:40							
Sample Matrix.....: Water											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
00000004	Dibromochloromethane	ND	U	0.2	5	1.00000	ug/L	20788		08/12/03 1420	pam
	Chlorobenzene	ND	U	0.2	5	1.00000	ug/L	20788		08/12/03 1420	pam
	Ethylbenzene	ND	U	0.3	5	1.00000	ug/L	20788		08/12/03 1420	pam
	Styrene	ND	U	0.4	5	1.00000	ug/L	20788		08/12/03 1420	pam
	Bromoform	ND	U	0.4	5	1.00000	ug/L	20788		08/12/03 1420	pam
	1,1,2,2-Tetrachloroethane	ND	U	0.7	5	1.00000	ug/L	20788		08/12/03 1420	pam
	Xylenes (total)	ND	U	1	5	1.00000	ug/L	20788		08/12/03 1420	pam

* In Description = Dry Wgt.

Job Number: 204351

LABORATORY TEST RESULTS

Date: 08/15/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Norman Bradley

Customer Sample ID: SAMPLE 2

Date Sampled.....: 08/01/2003

Time Sampled.....: 00:00

Sample Matrix.....: Water

Laboratory Sample ID: 204351-2

Date Received.....: 08/04/2003

Time Received.....: 19:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)	ND	U		1	5	1.00000	ug/L	20788		08/12/03 1454	pam
	Chloromethane	ND	U		1	5	1.00000	ug/L	20788		08/12/03 1454	pam
	Vinyl chloride	ND	U		3	5	1.00000	ug/L	20788		08/12/03 1454	pam
	Bromomethane	ND	U		0.8	5	1.00000	ug/L	20788		08/12/03 1454	pam
	Chloroethane	ND	U		0.8	5	1.00000	ug/L	20788		08/12/03 1454	pam
	1,1-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1454	pam
	Carbon disulfide	ND	U		2	10	1.00000	ug/L	20788		08/12/03 1454	pam
	Acetone	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1454	pam
	Methylene chloride	ND	U	B	0.6	5	1.00000	ug/L	20788		08/12/03 1454	pam
	trans-1,2-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1454	pam
	1,1-Dichloroethane	ND	U		2	5	1.00000	ug/L	20788		08/12/03 1454	pam
	Vinyl acetate	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1454	pam
	cis-1,2-Dichloroethene	ND	U		1	10	1.00000	ug/L	20788		08/12/03 1454	pam
	2-Butanone (MEK)	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1454	pam
	Chloroform	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1454	pam
	1,1,1-Trichloroethane	ND	U		0.3	5	1.00000	ug/L	20788		08/12/03 1454	pam
	Carbon tetrachloride	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1454	pam
	Benzene	ND	U		0.3	5	1.00000	ug/L	20788		08/12/03 1454	pam
	1,2-Dichloroethane	ND	U		0.7	5	1.00000	ug/L	20788		08/12/03 1454	pam
	Trichloroethene	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1454	pam
	1,2-Dichloropropane	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1454	pam
	Bromodichloromethane	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1454	pam
	cis-1,3-Dichloropropene	ND	U		0.5	5	1.00000	ug/L	20788		08/12/03 1454	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.3	10	1.00000	ug/L	20788		08/12/03 1454	pam
	Toluene	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1454	pam
	trans-1,3-Dichloropropene	ND	U		0.8	5	1.00000	ug/L	20788		08/12/03 1454	pam
	1,1,2-Trichloroethane	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1454	pam
	Tetrachloroethene	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1454	pam
	2-Hexanone	ND	U		1	10	1.00000	ug/L	20788		08/12/03 1454	pam

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 204351

Date: 08/15/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Norman Bradley

Customer Sample ID: SAMPLE 2
Date Sampled.....: 08/01/2003
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 204351-2
Date Received.....: 08/04/2003
Time Received.....: 19:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MOL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
00000006	Dibromochloromethane	ND	U		0.2	5	1.00000	ug/L	20788		08/12/03 1454	pam
	Chlorobenzene	ND	U		0.2	5	1.00000	ug/L	20788		08/12/03 1454	pam
	Ethylbenzene	ND	U		0.3	5	1.00000	ug/L	20788		08/12/03 1454	pam
	Styrene	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1454	pam
	Bromoform	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1454	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.7	5	1.00000	ug/L	20788		08/12/03 1454	pam
	Xylenes (total)	ND	U		1	5	1.00000	ug/L	20788		08/12/03 1454	pam

* In Description = Dry Wgt.

LABORATORY TEST RESULTS												
Job Number: 204351						Date:08/15/2003						
CUSTOMER: Walden Associates						PROJECT: 218 LAKEVILLE ROAD A						
Customer Sample ID: SAMPLE 3 Date Sampled.....: 08/01/2003 Time Sampled.....: 00:00 Sample Matrix.....: Water						Laboratory Sample ID: 204351-3 Date Received.....: 08/04/2003 Time Received.....: 19:40 ATTN: Norman Bradley						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B 00000007	Volatile Organics (5mL Purge)	ND	U									
	Chloromethane	ND	U		1	5	1.00000	ug/L	20788		08/13/03 14:15	pam
	Vinyl chloride	ND	U		1	5	1.00000	ug/L	20788		08/13/03 14:15	pam
	Bromomethane	ND	U		3	5	1.00000	ug/L	20788		08/13/03 14:15	pam
	Chloroethane	ND	U		0.8	5	1.00000	ug/L	20788		08/13/03 14:15	pam
	1,1-Dichloroethene	ND	U		0.8	5	1.00000	ug/L	20788		08/13/03 14:15	pam
	Carbon disulfide	ND	U		0.6	5	1.00000	ug/L	20788		08/13/03 14:15	pam
	Acetone	ND	U		2	10	1.00000	ug/L	20788		08/13/03 14:15	pam
	Methylene chloride	ND	U		0.4	5	1.00000	ug/L	20788		08/13/03 14:15	pam
	trans-1,2-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	20788		08/13/03 14:15	pam
	1,1-Dichloroethane	ND	U		0.6	5	1.00000	ug/L	20788		08/13/03 14:15	pam
	Vinyl acetate	ND	U		2	5	1.00000	ug/L	20788		08/13/03 14:15	pam
	cis-1,2-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	20788		08/13/03 14:15	pam
	2-Butanone (MEK)	ND	U		1	10	1.00000	ug/L	20788		08/13/03 14:15	pam
	Chloroform	ND	U		0.4	5	1.00000	ug/L	20788		08/13/03 14:15	pam
	1,1,1-Trichloroethane	ND	U		0.4	5	1.00000	ug/L	20788		08/13/03 14:15	pam
	Carbon tetrachloride	ND	U		0.3	5	1.00000	ug/L	20788		08/13/03 14:15	pam
	Benzene	ND	U		0.4	5	1.00000	ug/L	20788		08/13/03 14:15	pam
	1,2-Dichloroethane	ND	U		0.3	5	1.00000	ug/L	20788		08/13/03 14:15	pam
	Trichloroethene	ND	U		0.7	5	1.00000	ug/L	20788		08/13/03 14:15	pam
	1,2-Dichloropropane	ND	U		0.6	5	1.00000	ug/L	20788		08/13/03 14:15	pam
	Bromodichloromethane	ND	U		0.6	5	1.00000	ug/L	20788		08/13/03 14:15	pam
	cis-1,3-Dichloropropene	ND	U		0.6	5	1.00000	ug/L	20788		08/13/03 14:15	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.5	10	1.00000	ug/L	20788		08/13/03 14:15	pam
	Toluene	ND	U		0.3	5	1.00000	ug/L	20788		08/13/03 14:15	pam
	trans-1,3-Dichloropropene	ND	U		0.4	5	1.00000	ug/L	20788		08/13/03 14:15	pam
	1,1,2-Trichloroethane	ND	U		0.8	5	1.00000	ug/L	20788		08/13/03 14:15	pam
	Tetrachloroethene	ND	U		0.4	5	1.00000	ug/L	20788		08/13/03 14:15	pam
	2-Hexanone	ND	U		1	10	1.00000	ug/L	20788		08/13/03 14:15	pam

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 204351

Date: 08/15/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Norman Bradley

Customer Sample ID: SAMPLE 3
Date Sampled.....: 08/01/2003
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 204351-3
Date Received.....: 08/04/2003
Time Received.....: 19:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	IDT	DATE/TIME	TECH
00000000	Dibromochloromethane	ND	U		0.2	5	1.00000	ug/L	20788		08/13/03 1415	pam
	Chlorobenzene	ND	U		0.2	5	1.00000	ug/L	20788		08/13/03 1415	pam
	Ethylbenzene	ND	U		0.3	5	1.00000	ug/L	20788		08/13/03 1415	pam
	Styrene	ND	U		0.4	5	1.00000	ug/L	20788		08/13/03 1415	pam
	Bromoform	ND	U		0.4	5	1.00000	ug/L	20788		08/13/03 1415	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.7	5	1.00000	ug/L	20788		08/13/03 1415	pam
	Xylenes (total)	ND	U		1	5	1.00000	ug/L	20788		08/13/03 1415	pam

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 204351

Date: 08/15/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Norman Bradley

Customer Sample ID: SAMPLE 4
Date Sampled.....: 08/01/2003
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 204351-4
Date Received.....: 08/04/2003
Time Received.....: 19:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MOL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
82608	Volatile Organics (5mL Purge)	ND	U	1	5	1.00000	ug/L	20788		08/12/03 1527	pam
	Chloromethane	ND	U	1	5	1.00000	ug/L	20788		08/12/03 1527	pam
	Vinyl chloride	ND	U	3	5	1.00000	ug/L	20788		08/12/03 1527	pam
	Bromomethane	ND	U	0.8	5	1.00000	ug/L	20788		08/12/03 1527	pam
	1,1-Dichloroethene	ND	U	0.8	5	1.00000	ug/L	20788		08/12/03 1527	pam
	Carbon disulfide	ND	U	0.6	5	1.00000	ug/L	20788		08/12/03 1527	pam
	Acetone	ND	U	2	10	1.00000	ug/L	20788		08/12/03 1527	pam
	Methylene chloride	ND	U	0.4	5	1.00000	ug/L	20788		08/12/03 1527	pam
	trans-1,2-Dichloroethene	ND	U	0.6	5	1.00000	ug/L	20788		08/12/03 1527	pam
	1,1-Dichloroethane	ND	U	0.6	5	1.00000	ug/L	20788		08/12/03 1527	pam
	Vinyl acetate	ND	U	2	5	1.00000	ug/L	20788		08/12/03 1527	pam
	cis-1,2-Dichloroethene	ND	U	0.6	5	1.00000	ug/L	20788		08/12/03 1527	pam
	2-Butanone (MEK)	ND	U	1	10	1.00000	ug/L	20788		08/12/03 1527	pam
	Chloroform	ND	U	0.4	5	1.00000	ug/L	20788		08/12/03 1527	pam
	1,1,1-Trichloroethane	ND	U	0.4	5	1.00000	ug/L	20788		08/12/03 1527	pam
	Carbon tetrachloride	ND	U	0.3	5	1.00000	ug/L	20788		08/12/03 1527	pam
	Benzene	ND	U	0.4	5	1.00000	ug/L	20788		08/12/03 1527	pam
	1,2-Dichloroethane	ND	U	0.3	5	1.00000	ug/L	20788		08/12/03 1527	pam
	Trichloroethene	ND	U	0.7	5	1.00000	ug/L	20788		08/12/03 1527	pam
	1,2-Dichloropropane	ND	U	0.6	5	1.00000	ug/L	20788		08/12/03 1527	pam
	Bromodichloromethane	ND	U	0.6	5	1.00000	ug/L	20788		08/12/03 1527	pam
	cis-1,3-Dichloropropene	ND	U	0.6	5	1.00000	ug/L	20788		08/12/03 1527	pam
	4-Methyl-2-pentanone (MIBK)	ND	U	0.5	10	1.00000	ug/L	20788		08/12/03 1527	pam
	Toluene	ND	U	0.6	5	1.00000	ug/L	20788		08/12/03 1527	pam
	trans-1,3-Dichloropropene	ND	U	0.3	5	1.00000	ug/L	20788		08/12/03 1527	pam
	1,1,2-Trichloroethane	ND	U	0.4	5	1.00000	ug/L	20788		08/12/03 1527	pam
	Tetrachloroethene	ND	U	0.8	5	1.00000	ug/L	20788		08/12/03 1527	pam
	2-Hexanone	ND	J	0.4	5	1.00000	ug/L	20788		08/12/03 1527	pam
		ND	U	1	10	1.00000	ug/L	20788		08/12/03 1527	pam

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 204351

Date: 08/15/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Norman Bradley

Customer Sample ID: SAMPLE 4

Date Sampled.....: 08/01/2003

Time Sampled.....: 00:00

Sample Matrix.....: Water

Laboratory Sample ID: 204351-4

Date Received.....: 08/04/2003

Time Received.....: 19:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
000000010	Dibromochloromethane	ND	U		0.2	5	1.00000	ug/L	20788		08/12/03 1527	pam
	Chlorobenzene	ND	U		0.2	5	1.00000	ug/L	20788		08/12/03 1527	pam
	Ethylbenzene	ND	U		0.3	5	1.00000	ug/L	20788		08/12/03 1527	pam
	Styrene	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1527	pam
	Bromoform	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1527	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.7	5	1.00000	ug/L	20788		08/12/03 1527	pam
	Xylenes (total)	ND	U		1	5	1.00000	ug/L	20788		08/12/03 1527	pam

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 204351

Date: 08/15/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Norman Bradley

Customer Sample ID: SAMPLE 4
Date Sampled.....: 08/01/2003
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 204351-4
Date Received.....: 08/04/2003
Time Received.....: 19:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
000000010	Dibromochloromethane	ND	U		0.2	5	1.00000	ug/L	20788		08/12/03 1527	pam
	Chlorobenzene	ND	U		0.2	5	1.00000	ug/L	20788		08/12/03 1527	pam
	Ethylbenzene	ND	U		0.3	5	1.00000	ug/L	20788		08/12/03 1527	pam
	Styrene	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1527	pam
	Bromoform	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1527	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.7	5	1.00000	ug/L	20788		08/12/03 1527	pam
	Xylenes (total)	ND	U		1	5	1.00000	ug/L	20788		08/12/03 1527	pam

* In Description = Dry Wgt.

LABORATORY TEST RESULTS												
Job Number: 204351					Date:08/15/2003							
CUSTOMER: Walden Associates					PROJECT: 218 LAKEVILLE ROAD A							
Customer Sample ID: SAMPLE 5 Date Sampled.....: 08/01/2003 Time Sampled.....: 00:00 Sample Matrix.....: Water					Laboratory Sample ID: 204351-5 Date Received.....: 08/04/2003 Time Received.....: 19:40 ATTN: Norman Bradley							
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B 00000011	Volatile Organics (5mL Purge)	ND	U		1	5	1.00000	ug/L	20788		08/12/03 1601	pam
	Chloromethane	ND	U		1	5	1.00000	ug/L	20788		08/12/03 1601	pam
	Vinyl chloride	ND	U		3	5	1.00000	ug/L	20788		08/12/03 1601	pam
	Bromomethane	ND	U		0.8	5	1.00000	ug/L	20788		08/12/03 1601	pam
	Chloroethane	ND	U		0.8	5	1.00000	ug/L	20788		08/12/03 1601	pam
	1,1-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1601	pam
	Carbon disulfide	ND	U		2	10	1.00000	ug/L	20788		08/12/03 1601	pam
	Acetone	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1601	pam
	Methylene chloride	ND	U	B	0.6	5	1.00000	ug/L	20788		08/12/03 1601	pam
	trans-1,2-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1601	pam
	1,1-Dichloroethane	ND	U		2	5	1.00000	ug/L	20788		08/12/03 1601	pam
	Vinyl acetate	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1601	pam
	cis-1,2-Dichloroethene	ND	U		1	10	1.00000	ug/L	20788		08/12/03 1601	pam
	2-Butanone (MEK)	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1601	pam
	Chloroform	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1601	pam
	1,1,1-Trichloroethane	ND	U		0.3	5	1.00000	ug/L	20788		08/12/03 1601	pam
	Carbon tetrachloride	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1601	pam
	Benzene	ND	U		0.3	5	1.00000	ug/L	20788		08/12/03 1601	pam
	1,2-Dichloroethane	ND	U		0.7	5	1.00000	ug/L	20788		08/12/03 1601	pam
	Trichloroethene	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1601	pam
	1,2-Dichloropropene	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1601	pam
	Bromodichloromethane	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1601	pam
	cis-1,3-Dichloropropene	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1601	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.5	10	1.00000	ug/L	20788		08/12/03 1601	pam
	Toluene	ND	U		0.3	5	1.00000	ug/L	20788		08/12/03 1601	pam
	trans-1,3-Dichloropropene	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1601	pam
	1,1,2-Trichloroethane	ND	U		0.8	5	1.00000	ug/L	20788		08/12/03 1601	pam
	Tetrachloroethene	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1601	pam
	2-Hexanone	ND	U		1	10	1.00000	ug/L	20788		08/12/03 1601	pam

* In Description = Dry Wgt.

Job Number: 204351

LABORATORY TEST RESULTS

Date: 08/15/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Norman Bradley

Customer Sample ID: SAMPLE 5
 Date Sampled.....: 08/01/2003
 Time Sampled.....: 00:00
 Sample Matrix.....: Water

Laboratory Sample ID: 204351-5
 Date Received.....: 08/04/2003
 Time Received.....: 19:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
00000012	Dibromochloromethane	ND	U		0.2	5	1.00000	ug/L	20788		08/12/03 1601	pam
	Chlorobenzene	ND	U		0.2	5	1.00000	ug/L	20788		08/12/03 1601	pam
	Ethylbenzene	ND	U		0.3	5	1.00000	ug/L	20788		08/12/03 1601	pam
	Styrene	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1601	pam
	Bromoform	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1601	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.7	5	1.00000	ug/L	20788		08/12/03 1601	pam
	Xylenes (total)	ND	U		1	5	1.00000	ug/L	20788		08/12/03 1601	pam

* In Description = Dry Wgt.

Page 11

Job Number: 204351

LABORATORY TEST RESULTS

Date: 08/15/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Norman Bradley

Customer Sample ID: SAMPLE 6
 Date Sampled.....: 08/01/2003
 Time Sampled.....: 00:00
 Sample Matrix.....: Water

Laboratory Sample ID: 204351-6
 Date Received.....: 08/04/2003
 Time Received.....: 19:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)											
	Chloromethane	ND	U		1	5	1.00000	ug/L	20788		08/12/03 1634	pam
	Vinyl chloride	ND	U		1	5	1.00000	ug/L	20788		08/12/03 1634	pam
	Bromomethane	ND	U		3	5	1.00000	ug/L	20788		08/12/03 1634	pam
	Chloroethane	ND	U		0.8	5	1.00000	ug/L	20788		08/12/03 1634	pam
	1,1-Dichloroethene	ND	U		0.8	5	1.00000	ug/L	20788		08/12/03 1634	pam
	Carbon disulfide	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1634	pam
	Acetone	ND	U		2	10	1.00000	ug/L	20788		08/12/03 1634	pam
	Methylene chloride	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1634	pam
	trans-1,2-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1634	pam
	1,1-Dichloroethane	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1634	pam
	Vinyl acetate	ND	U		2	5	1.00000	ug/L	20788		08/12/03 1634	pam
	cis-1,2-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1634	pam
	2-Butanone (MEK)	ND	U		1	10	1.00000	ug/L	20788		08/12/03 1634	pam
	Chloroform	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1634	pam
	1,1,1-Trichloroethane	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1634	pam
	Carbon tetrachloride	ND	U		0.3	5	1.00000	ug/L	20788		08/12/03 1634	pam
	Benzene	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1634	pam
	1,2-Dichloroethane	ND	U		0.3	5	1.00000	ug/L	20788		08/12/03 1634	pam
	Trichloroethene	ND	U		0.7	5	1.00000	ug/L	20788		08/12/03 1634	pam
	1,2-Dichloropropane	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1634	pam
	Bromodichloromethane	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1634	pam
	cis-1,3-Dichloropropene	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1634	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.5	10	1.00000	ug/L	20788		08/12/03 1634	pam
	Toluene	ND	U		0.3	5	1.00000	ug/L	20788		08/12/03 1634	pam
	trans-1,3-Dichloropropene	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1634	pam
	1,1,2-Trichloroethane	ND	U		0.8	5	1.00000	ug/L	20788		08/12/03 1634	pam
	Tetrachloroethene	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1634	pam
	2-Hexanone	ND	U		1	10	1.00000	ug/L	20788		08/12/03 1634	pam

* In Description = Dry Wgt.

1 tetra-
2-hexeneone
* In Description = Dry Wgt.

J. 204351

LABORATORY TEST RESULTS

Date: 08/15/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Norman Bradley

Customer Sample ID: SAMPLE 6
Date Sampled.....: 08/01/2003
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 204351-6
Date Received.....: 08/04/2003
Time Received.....: 19:40

00000014

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.2	5	1.00000	ug/L	20788		08/12/03 1634	pam
	Chlorobenzene	ND	U		0.2	5	1.00000	ug/L	20788		08/12/03 1634	pam
	Ethylbenzene	ND	U		0.3	5	1.00000	ug/L	20788		08/12/03 1634	pam
	Styrene	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1634	pam
	Bromoform	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1634	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.7	5	1.00000	ug/L	20788		08/12/03 1634	pam
	Xylenes (total)	ND	U		1	5	1.00000	ug/L	20788		08/12/03 1634	pam

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 204351

Date: 08/15/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Norman Bradley

Customer Sample ID: SAMPLE 7

Laboratory Sample ID: 204351-7

Date Sampled.....: 08/01/2003

Date Received.....: 08/04/2003

Time Sampled.....: 00:00

Time Received.....: 19:40

Sample Matrix.....: Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)	ND	U		1	5	1.00000	ug/L	20788		08/12/03 1707	pam
	Chloromethane	ND	U		1	5	1.00000	ug/L	20788		08/12/03 1707	pam
	Vinyl chloride	ND	U		3	5	1.00000	ug/L	20788		08/12/03 1707	pam
	Bromomethane	ND	U		0.8	5	1.00000	ug/L	20788		08/12/03 1707	pam
	Chloroethane	ND	U		0.8	5	1.00000	ug/L	20788		08/12/03 1707	pam
	1,1-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1707	pam
	Carbon disulfide	ND	U		2	10	1.00000	ug/L	20788		08/12/03 1707	pam
	Acetone	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1707	pam
	Methylene chloride	ND	U	B	0.6	5	1.00000	ug/L	20788		08/12/03 1707	pam
	trans-1,2-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1707	pam
	1,1-Dichloroethane	ND	U		2	5	1.00000	ug/L	20788		08/12/03 1707	pam
	Vinyl acetate	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1707	pam
	cis-1,2-Dichloroethene	ND	U		1	10	1.00000	ug/L	20788		08/12/03 1707	pam
	2-Butanone (MEK)	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1707	pam
	Chloroform	ND	U		0.3	5	1.00000	ug/L	20788		08/12/03 1707	pam
	1,1,1-Trichloroethane	ND	U		0.3	5	1.00000	ug/L	20788		08/12/03 1707	pam
	Carbon tetrachloride	ND	U		0.7	5	1.00000	ug/L	20788		08/12/03 1707	pam
	Benzene	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1707	pam
	1,2-Dichloroethane	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1707	pam
	Trichloroethene	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1707	pam
	1,2-Dichloropropane	ND	U		0.5	10	1.00000	ug/L	20788		08/12/03 1707	pam
	Bromodichloromethane	ND	U		0.3	5	1.00000	ug/L	20788		08/12/03 1707	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1707	pam

Job Number: 204351

LABORATORY TEST RESULTS

Date: 08/15/2003

ISTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Norman Bradley

Customer Sample ID: SAMPLE 8

Date Sampled: 08/01/2003

Time Sampled: 00:00

Sample Matrix: Water

Laboratory Sample ID: 204351-8

Date Received: 08/04/2003

Time Received: 19:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)	ND	U		1	5	1.00000	ug/L	20788		08/12/03 1741	pam
	Chloromethane	ND	U		1	5	1.00000	ug/L	20788		08/12/03 1741	pam
	Vinyl chloride	ND	U		3	5	1.00000	ug/L	20788		08/12/03 1741	pam
	Bromomethane	ND	U		0.8	5	1.00000	ug/L	20788		08/12/03 1741	pam
	Chloroethane	ND	U		0.8	5	1.00000	ug/L	20788		08/12/03 1741	pam
	1,1-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1741	pam
	Carbon disulfide	ND	U		2	10	1.00000	ug/L	20788		08/12/03 1741	pam
	Acetone	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1741	pam
	Methylene chloride	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1741	pam
	trans-1,2-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1741	pam
	1,1-Dichloroethane	ND	U		2	5	1.00000	ug/L	20788		08/12/03 1741	pam
	Vinyl acetate	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1741	pam
	cis-1,2-Dichloroethene	ND	U		1	10	1.00000	ug/L	20788		08/12/03 1741	pam
	2-Butanone (MEK)	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1741	pam
	Chloroform	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1741	pam
	1,1,1-Trichloroethane	ND	U		0.3	5	1.00000	ug/L	20788		08/12/03 1741	pam
	Carbon tetrachloride	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1741	pam
	Benzene	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1741	pam
	1,2-Dichloroethane	ND	U		0.3	5	1.00000	ug/L	20788		08/12/03 1741	pam
	Trichloroethene	ND	U		0.7	5	1.00000	ug/L	20788		08/12/03 1741	pam
	1,2-Dichloropropane	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1741	pam
	Bromodichloromethane	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1741	pam
	cis-1,3-Dichloropropene	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1741	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.5	10	1.00000	ug/L	20788		08/12/03 1741	pam
	Toluene	ND	U		0.3	5	1.00000	ug/L	20788		08/12/03 1741	pam
	trans-1,3-Dichloropropene	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1741	pam
	1,1,2-Trichloroethane	ND	U		0.8	5	1.00000	ug/L	20788		08/12/03 1741	pam
	Tetrachloroethene	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1741	pam
	2-Hexanone	ND	U		1	10	1.00000	ug/L	20788		08/12/03 1741	pam

* In Description = Dry Wgt.

LABORATORY TEST RESULTS												
Job Number: 204351			Date:08/15/2003									
CUSTOMER: Walden Associates			PROJECT: 218 LAKEVILLE ROAD A ATTN: Norman Bradley									
Customer Sample ID: SAMPLE 8 Date Sampled.....: 08/01/2003 Time Sampled.....: 00:00 Sample Matrix.....: Water			Laboratory Sample ID: 204351-8 Date Received.....: 08/04/2003 Time Received.....: 19:40									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
00000018	Dibromochloromethane	ND	U		0.2	5	1.00000	ug/L	20788		08/12/03 1741	pam
	Chlorobenzene	ND	U		0.2	5	1.00000	ug/L	20788		08/12/03 1741	pam
	Ethylbenzene	ND	U		0.3	5	1.00000	ug/L	20788		08/12/03 1741	pam
	Styrene	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1741	pam
	Bromoform	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1741	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.7	5	1.00000	ug/L	20788		08/12/03 1741	pam
	Xylenes (total)	ND	U		1	5	1.00000	ug/L	20788		08/12/03 1741	pam

* In Description = Dry Wgt.

Job Number: 204351

Date:08/15/2003

LABORATORY TEST RESULTS

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Norman Bradley

Customer Sample ID: 204351-9

Date Sampled:08/01/2003

Time Sampled:00:00

Sample Matrix:Water

Laboratory Sample ID: 204351-9

Date Received:08/04/2003

Time Received:19:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B 00000019	Volatile Organics (5mL Purge)	ND	U	1	5	1.00000	ug/L	20788		08/12/03 1814	pam
	Chloromethane	ND	U	1	5	1.00000	ug/L	20788		08/12/03 1814	pam
	Vinyl chloride	ND	U	3	5	1.00000	ug/L	20788		08/12/03 1814	pam
	Bromomethane	ND	U	0.8	5	1.00000	ug/L	20788		08/12/03 1814	pam
	Chloroethane	ND	U	0.8	5	1.00000	ug/L	20788		08/12/03 1814	pam
	1,1-Dichloroethene	ND	U	0.6	5	1.00000	ug/L	20788		08/12/03 1814	pam
	Carbon disulfide	ND	U	2	10	1.00000	ug/L	20788		08/12/03 1814	pam
	Acetone	ND	U	0.4	5	1.00000	ug/L	20788		08/12/03 1814	pam
	Methylene chloride	ND	U	0.6	5	1.00000	ug/L	20788		08/12/03 1814	pam
	trans-1,2-Dichloroethene	ND	U	0.6	5	1.00000	ug/L	20788		08/12/03 1814	pam
	1,1-Dichloroethane	ND	U	2	5	1.00000	ug/L	20788		08/12/03 1814	pam
	Vinyl acetate	ND	U	0.6	5	1.00000	ug/L	20788		08/12/03 1814	pam
	cis-1,2-Dichloroethene	ND	U	1	10	1.00000	ug/L	20788		08/12/03 1814	pam
	2-Butanone (MEK)	ND	U	0.4	5	1.00000	ug/L	20788		08/12/03 1814	pam
	Chloroform	ND	U	0.4	5	1.00000	ug/L	20788		08/12/03 1814	pam
	1,1,1-Trichloroethane	ND	U	0.3	5	1.00000	ug/L	20788		08/12/03 1814	pam
	Carbon tetrachloride	ND	U	0.4	5	1.00000	ug/L	20788		08/12/03 1814	pam
	Benzene	ND	U	0.3	5	1.00000	ug/L	20788		08/12/03 1814	pam
	1,2-Dichloroethane	ND	U	0.7	5	1.00000	ug/L	20788		08/12/03 1814	pam
	Trichloroethene	ND	U	0.6	5	1.00000	ug/L	20788		08/12/03 1814	pam
	1,2-Dichloropropane	ND	U	0.6	5	1.00000	ug/L	20788		08/12/03 1814	pam
	Bromodichloromethane	ND	U	0.6	5	1.00000	ug/L	20788		08/12/03 1814	pam
	cis-1,3-Dichloropropene	ND	U	0.5	10	1.00000	ug/L	20788		08/12/03 1814	pam
	4-Methyl-2-pentanone (MIBK)	ND	U	0.3	5	1.00000	ug/L	20788		08/12/03 1814	pam
	Toluene	ND	U	0.4	5	1.00000	ug/L	20788		08/12/03 1814	pam
	trans-1,3-Dichloropropene	ND	U	0.8	5	1.00000	ug/L	20788		08/12/03 1814	pam
	1,1,2-Trichloroethane	ND	U	0.4	5	1.00000	ug/L	20788		08/12/03 1814	pam
	Tetrachloroethene	ND	J	0.4	5	1.00000	ug/L	20788		08/12/03 1814	pam
	2-Hexanone	ND	U	1	10	1.00000	ug/L	20788		08/12/03 1814	pam

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 204351

Date: 08/15/2003

CUSTOMER: Walden Associates

PROJECT: 21B LAKEVILLE ROAD A

ATTN: Norman Bradley

Customer Sample ID: SAMPLE 9
Date Sampled.....: 08/01/2003
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 204351-9
Date Received.....: 08/04/2003
Time Received.....: 19:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
00000020	Dibromochloromethane	ND	U		0.2	5	1.00000	ug/L	20788		08/12/03 1814	pam
	Chlorobenzene	ND	U		0.2	5	1.00000	ug/L	20788		08/12/03 1814	pam
	Ethylbenzene	ND	U		0.3	5	1.00000	ug/L	20788		08/12/03 1814	pam
	Styrene	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1814	pam
	Bromoform	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1814	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.7	5	1.00000	ug/L	20788		08/12/03 1814	pam
	Xylenes (total)	ND	U		1	5	1.00000	ug/L	20788		08/12/03 1814	pam

* In Description = Dry Wgt.

Job Number: 204351

LABORATORY TEST RESULTS

Date: 08/15/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Norman Bradley

Customer Sample ID: SAMPLE 10
 Date Sampled.....: 08/01/2003
 Time Sampled.....: 00:00
 Sample Matrix.....: Water

Laboratory Sample ID: 204351-10
 Date Received.....: 08/04/2003
 Time Received.....: 19:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)	ND	U		1	5	1.00000	ug/L	20788		08/13/03 1448	pam
	Chloromethane	ND	U		1	5	1.00000	ug/L	20788		08/13/03 1448	pam
	Vinyl chloride	ND	U		3	5	1.00000	ug/L	20788		08/13/03 1448	pam
	Bromomethane	ND	U		0.8	5	1.00000	ug/L	20788		08/13/03 1448	pam
	Chloroethane	ND	U		0.8	5	1.00000	ug/L	20788		08/13/03 1448	pam
	1,1-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	20788		08/13/03 1448	pam
	Carbon disulfide	ND	U		2	10	1.00000	ug/L	20788		08/13/03 1448	pam
	Acetone	ND	U		0.4	5	1.00000	ug/L	20788		08/13/03 1448	pam
	Methylene chloride	ND	U		0.6	5	1.00000	ug/L	20788		08/13/03 1448	pam
	trans-1,2-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	20788		08/13/03 1448	pam
	1,1-Dichloroethane	ND	U		2	5	1.00000	ug/L	20788		08/13/03 1448	pam
	Vinyl acetate	ND	U		0.6	5	1.00000	ug/L	20788		08/13/03 1448	pam
	cis-1,2-Dichloroethene	ND	U		1	10	1.00000	ug/L	20788		08/13/03 1448	pam
	2-Butanone (MEK)	ND	U		0.4	5	1.00000	ug/L	20788		08/13/03 1448	pam
	Chloroform	ND	U		0.4	5	1.00000	ug/L	20788		08/13/03 1448	pam
	1,1,1-Trichloroethane	ND	U		0.4	5	1.00000	ug/L	20788		08/13/03 1448	pam
	Carbon tetrachloride	ND	U		0.3	5	1.00000	ug/L	20788		08/13/03 1448	pam
	Benzene	ND	U		0.4	5	1.00000	ug/L	20788		08/13/03 1448	pam
	1,2-Dichloroethane	ND	U		0.3	5	1.00000	ug/L	20788		08/13/03 1448	pam
	Trichloroethene	ND	U		0.7	5	1.00000	ug/L	20788		08/13/03 1448	pam
	1,2-Dichloropropane	ND	U		0.6	5	1.00000	ug/L	20788		08/13/03 1448	pam
	Bromodichloromethane	ND	U		0.6	5	1.00000	ug/L	20788		08/13/03 1448	pam
	cis-1,3-Dichloropropene	ND	U		0.6	5	1.00000	ug/L	20788		08/13/03 1448	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.5	10	1.00000	ug/L	20788		08/13/03 1448	pam
	Toluene	ND	U		0.3	5	1.00000	ug/L	20788		08/13/03 1448	pam
	trans-1,3-Dichloropropene	ND	U		0.4	5	1.00000	ug/L	20788		08/13/03 1448	pam
	1,1,2-Trichloroethane	ND	U		0.8	5	1.00000	ug/L	20788		08/13/03 1448	pam
	Tetrachloroethene	ND	U		0.4	5	1.00000	ug/L	20788		08/13/03 1448	pam
	2-Hexanone	ND	U		1	10	1.00000	ug/L	20788		08/13/03 1448	pam

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 204351

Date: 08/15/2003

CUSTOMER: Walden Associates

PROJECT: 21B LAKEVILLE ROAD A

ATTN: Norman Bradley

Customer Sample ID: SAMPLE 10
Date Sampled.....: 08/01/2003
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 204351-10
Date Received.....: 08/04/2003
Time Received.....: 19:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
00000222	Dibromochloromethane	ND	U	0.2	5	1.00000	ug/L	20788		08/13/03 1448	pam
	Chlorobenzene	ND	U	0.2	5	1.00000	ug/L	20788		08/13/03 1448	pam
	Ethylbenzene	ND	U	0.3	5	1.00000	ug/L	20788		08/13/03 1448	pam
	Styrene	ND	U	0.4	5	1.00000	ug/L	20788		08/13/03 1448	pam
	Bromoform	ND	U	0.4	5	1.00000	ug/L	20788		08/13/03 1448	pam
	1,1,2,2-Tetrachloroethane	ND	U	0.7	5	1.00000	ug/L	20788		08/13/03 1448	pam
	Xylenes (total)	ND	U	1	5	1.00000	ug/L	20788		08/13/03 1448	pam

* In Description = Dry Wgt.

L A B O R A T O R Y C H R O N I C L E

Job Number: 204351

Date: 08/18/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Norman Bradley

Lab ID: 204351-1	Client ID: SAMPLE 1	Date Recvd: 08/04/2003	Sample Date: 08/01/2003	
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)
5030A	5030 5 mL Purge Prep	1	20780	
8260B	Volatile Organics (5mL Purge)	1	20788	20780
			08/12/2003	1420
				1.00000
Lab ID: 204351-2	Client ID: SAMPLE 2	Date Recvd: 08/04/2003	Sample Date: 08/01/2003	
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)
5030A	5030 5 mL Purge Prep	1	20780	
8260B	Volatile Organics (5mL Purge)	1	20788	20780
			08/12/2003	1454
				1.00000
Lab ID: 204351-3	Client ID: SAMPLE 3	Date Recvd: 08/04/2003	Sample Date: 08/01/2003	
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)
5030A	5030 5 mL Purge Prep	1	20829	
8260B	Volatile Organics (5mL Purge)	1	20788	20829
			08/13/2003	1415
				1.00000
Lab ID: 204351-4	Client ID: SAMPLE 4	Date Recvd: 08/04/2003	Sample Date: 08/01/2003	
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)
5030A	5030 5 mL Purge Prep	1	20780	
8260B	Volatile Organics (5mL Purge)	1	20788	20780
			08/12/2003	1527
				1.00000
Lab ID: 204351-5	Client ID: SAMPLE 5	Date Recvd: 08/04/2003	Sample Date: 08/01/2003	
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)
5030A	5030 5 mL Purge Prep	1	20780	
8260B	Volatile Organics (5mL Purge)	1	20788	20780
			08/12/2003	1601
				1.00000
Lab ID: 204351-6	Client ID: SAMPLE 6	Date Recvd: 08/04/2003	Sample Date: 08/01/2003	
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)
5030A	5030 5 mL Purge Prep	1	20780	
8260B	Volatile Organics (5mL Purge)	1	20788	20780
			08/12/2003	1634
				1.00000
Lab ID: 204351-7	Client ID: SAMPLE 7	Date Recvd: 08/04/2003	Sample Date: 08/01/2003	
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)
5030A	5030 5 mL Purge Prep	1	20780	
8260B	Volatile Organics (5mL Purge)	1	20788	20780
			08/12/2003	1707
				1.00000
Lab ID: 204351-8	Client ID: SAMPLE 8	Date Recvd: 08/04/2003	Sample Date: 08/01/2003	
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)
5030A	5030 5 mL Purge Prep	1	20780	
8260B	Volatile Organics (5mL Purge)	1	20788	20780
			08/12/2003	1741
				1.00000
Lab ID: 204351-9	Client ID: SAMPLE 9	Date Recvd: 08/04/2003	Sample Date: 08/01/2003	
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)
5030A	5030 5 mL Purge Prep	1	20780	
8260B	Volatile Organics (5mL Purge)	1	20788	20780
			08/12/2003	1814
				1.00000
Lab ID: 204351-10	Client ID: SAMPLE 10	Date Recvd: 08/04/2003	Sample Date: 08/01/2003	
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)
5030A	5030 5 mL Purge Prep	1	20829	
8260B	Volatile Organics (5mL Purge)	1	20788	20829
			08/13/2003	1448
				1.00000

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 08/18/2003

REPORT COMMENTS

- 1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
- 2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
- 3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
- 4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 10604
- 5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviation

Inorganic Qualifiers (Q-Column)

- U Analyte was not detected at or above the reporting limit.
- < Not detected at or above the reporting limit.
- J Result is less than the RL, but greater than or equal to the method detection limit.
- B Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
- S Result was determined by the Method of Standard Additions.

Inorganic Flags (Flag Column)

- ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
- * LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
- + MSA correlation coefficient is less than 0.995.
- 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.
- E SD: Serial dilution exceeds the control limits.
- H MB, EB: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
- N MS, MSD: Spike recovery exceeds the upper or lower control limits.
- W PS: Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

- U Analyte was not detected at or above the reporting limit.
- ND Compound not detected.
- J Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
- Q Result was qualitatively confirmed, but not quantified.
- C Pesticide identification was confirmed by GC/MS.
- Y The chromatographic response resembles a typical fuel pattern.
- Z The chromatographic response does not resemble a typical fuel pattern.
- E Result exceeded calibration range, secondary dilution required.

Organic Flags (Flags Column)

- MB,EB, MLE: Batch QC is greater than reporting limit.
- * LCS, LCD, CCV, MS, MSD, Surrogate, RS:Batch QC exceeds the upper or lower control limits.
- A Concentration exceeds the instrument calibration range or below the reporting limit.
- B Compound was found in the blank and sample.
- D Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
- H Alternate peak selection upon analytical review
- I Indicates the presence of an interference, recovery is not calculated.
- M Manually integrated compound.
- P The lower of the two values is reported when the % difference between the results of two GC columns is greater than 25%.

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 08/18/2003

Abbreviations

Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation Analysis
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
Dil Fac	Dilution Factor
DL	Secondary dilution and analysis
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB	Extraction Blank
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A
ISB	Interference Check Sample B
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group
Lab ID	An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PACK	Packed Column
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PS	Post Spike
PSD	Post Spike Duplicate
RA	Re-analysis
RE	Re-extraction and analysis
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RS	Reference Standard
RT	Retention Time
RTW	Retention Time Window
SampleID	A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution
UCB	Unseeded Control Blank.

One or a combination of these data qualifiers and abbreviations may appear in the analytical report.

STATE CERTIFICATIONS

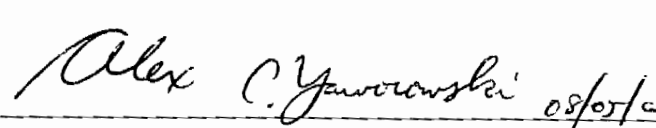
In some instances it may be necessary for environmental data to be reported to a regulatory authority with reference to a certified laboratory. For your convenience, the laboratory identification numbers for the STL-Connecticut laboratory are provided in the following table. Many states certify laboratories for specific parameters or tests within a category (i.e. method 325.2 for wastewater). The information in the following table indicates the lab is certified in a general category of testing such as drinking water or wastewater analysis. The laboratory should be contacted directly if parameter-specific certification information is required.

STL-Connecticut Certification Summary (as of May 2003)

State	Responsible Agency	Certification	Lab Number
Connecticut	Department of Health Services	Drinking Water, Wastewater	PH-0497
Maine	Department of Health and Environmental Services	Drinking Water, Wastewater/Solid, Hazardous Waste	CT023
Massachusetts	Department of Environmental Protection	Potable/Non-Potable Water	CT023
New Hampshire	Department of Environmental Services	Drinking Water, Wastewater	2528
New Jersey	Department of Environmental Protection	Drinking Water, Wastewater	46410
New York	Department of Health	CLP, Drinking Water, Wastewater, Solid/Hazardous Waste NELAC	10602
North Carolina	Division of Environmental Management	Wastewater	388
Rhode Island	Department of Health	Chemistry...Non-Potable Water and Wastewater	A43
Utah	Department of Health	RCRA	2032614458
Wisconsin	Department of Natural Resources	Wastewater	998355710

All samples labeled as per P. Robert - 19-4. 08-03-0	

STL-8122

rpjsckl		Job Sample Receipt Checklist Report		V2
Job Number.: 204351	Location.: 57207	Check List Number.: 1	Description.:	
Customer Job ID.....:		Job Check List Date.:		Date of the Report.: 08/05/2003
Project Number.: 20000828	Project Description.: 218 Lakeville Road Associates			Project Manager.....: pth
Customer.....: Walden Associates		Contact.: Stephen Byatt		
Questions ?	(Y/N) Comments			
Chain-of-Custody Present?.....	Y			
...If "yes", completed properly?.....	Y			
Custody seal on shipping container?.....	Y			
...If "yes", custody seal intact?.....	Y			
Custody seals on sample containers?.....	N			
...If "yes", custody seal intact?.....				
Samples iced?.....	Y	BAGGED ICE		
Temperature of cooler acceptable? (4 deg C +/- 2). Y	1.5 C			
Samples received intact (good condition)?.....	Y			
Volatile samples acceptable? (no headspace).....	Y			
Correct containers used?.....	Y			
Adequate sample volume provided?.....	Y			
Samples preserved correctly?.....	Y			
Samples received within holding-time?.....	Y			
Agreement between COC and sample labels?.....	N	IDS NOT ON VOAS - NO MATCH		
Radioactivity at or below background levels?.....	Y			
A Sample Discrepancy Report (SDR) was needed?.....	N			
Comments.....	Y	SAMPLES LABELED "SAMPLE 1", "SAMPLE 2" AS PER P. HOBART		
If samples were shipped was there an air bill #?..	N	COURIER DICK		
Sample Custodian Signature/Date.....	Y			

SURROGATE RECOVERIES REPORT

Job Number.: 204351

Report Date.: 08/15/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Norman Bradley

Method.....: Volatile Organics (5mL Purge)
Batch(s).....: 20788

Method Code...: 8260.5
Test Matrix...: Water

Prep Batch....: 20780
Equipment Code: MSK

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS-20780-2			08/12/2003	109	100	100	101
MB-20780-1			08/12/2003	115	92	112	107
204351- 1		SAMPLE 1	08/12/2003	103	99	99	100
204351- 1 MS		SAMPLE 1	08/12/2003	95	101	84	102
204351- 1 MSB		SAMPLE 1	08/12/2003	97	92	87	106
204351- 2		SAMPLE 2	08/12/2003	109	104	97	106
204351- 4		SAMPLE 4	08/12/2003	109	93	97	102
204351- 5		SAMPLE 5	08/12/2003	108	94	97	100
204351- 6		SAMPLE 6	08/12/2003	108	94	101	102
204351- 7		SAMPLE 7	08/12/2003	109	109	95	102
204351- 8		SAMPLE 8	08/12/2003	113	96	104	105
204351- 9		SAMPLE 9	08/12/2003	107	90	94	105

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 130
BRFLBE	4-Bromofluorobenzene (surr)	70 - 130
DBRFLM	Dibromofluoromethane (surr)	70 - 130
TOLD8	Toluene-d8 (surr)	70 - 130

Method.....: Volatile Organics (5mL Purge)
Batch(s).....: 20788

Method Code...: 8260.5
Test Matrix...: Water

Prep Batch....: 20829
Equipment Code: MSK

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS-20829-2			08/13/2003	112	93	90	108
MB-20829-1			08/13/2003	109	107	102	102
204351- 1 MSD		SAMPLE 1	08/13/2003	105	106	84	115
204351- 3		SAMPLE 3	08/13/2003	114	107	117	109
204351- 10		SAMPLE 10	08/13/2003	117	95	93	108

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 130
BRFLBE	4-Bromofluorobenzene (surr)	70 - 130
DBRFLM	Dibromofluoromethane (surr)	70 - 130
TOLD8	Toluene-d8 (surr)	70 - 130

QUALITY CONTROL RESULTS	
Job Number.: 204351	Report Date.: 08/15/2003
CUSTOMER: Walden Associates	PROJECT: 218 LAKEVILLE ROAD A
ATTN: Norman Bradley	
QC Type	Description
Reag. Code	Lab ID
Dilution Factor	Date Time
Test Method.....: 8260B Method Description.: Volatile Organics (5mL Purge)	
Equipment Code....: MSK Batch.....: 20788	
Analyst....: pam	

MS	Matrix Spike	V03GWRK006	204351-1		08/12/2003 1921

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Chloromethane	ug/L	49.08		50.00	1.00	U 98	34-139	
Vinyl chloride	ug/L	48.63		50.00	1.00	U 97	56-142	
Bromomethane	ug/L	38.74		50.00	3.10	U 77	24-161	
Chloroethane	ug/L	27.98		50.00	0.80	U 56 *	57-157	*
1,1-Dichloroethene	ug/L	47.98		50.00	0.80	U 96	69-128	
Carbon disulfide	ug/L	49.80		50.00	0.60	U 100	53-136	
Acetone	ug/L	43.11		50.00	1.90	U 86	17-226	
Methylene chloride	ug/L	48.32		50.00	0.40	U 97	70-117	
trans-1,2-Dichloroethene	ug/L	49.33		50.00	0.60	U 99	68-119	
1,1-Dichloroethane	ug/L	48.61		50.00	0.60	U 97	74-122	
cis-1,2-Dichloroethene	ug/L	52.00		50.00	0.60	U 104	64-118	
2-Butanone (MEK)	ug/L	45.48		50.00	1.10	U 91	36-189	
Chloroform	ug/L	46.62		50.00	0.40	U 93	69-117	
1,1,1-Trichloroethane	ug/L	44.07		50.00	0.40	U 88	56-123	
Carbon tetrachloride	ug/L	44.75		50.00	0.30	U 90	32-139	
Benzene	ug/L	51.08		50.00	0.40	U 102	69-120	
1,2-Dichloroethane	ug/L	46.52		50.00	0.30	U 93	63-123	
Trichloroethene	ug/L	49.34		50.00	0.70	U 99	64-104	
1,2-Dichloropropane	ug/L	52.21		50.00	0.60	U 104	72-108	
Bromodichloromethane	ug/L	42.88		50.00	0.60	U 86	56-114	
cis-1,3-Dichloropropene	ug/L	50.70		50.00	0.60	U 101	60-115	
4-Methyl-2-pentanone (MIBK)	ug/L	55.54		50.00	0.50	U 111	49-145	
Toluene	ug/L	50.71		50.00	0.30	U 101	77-110	
trans-1,3-Dichloropropene	ug/L	48.75		50.00	0.40	U 97	53-118	
1,1,2-Trichloroethane	ug/L	47.50		50.00	0.80	U 95	69-116	
Tetrachloroethene	ug/L	45.58		50.00	0.40	U 91	66-143	
2-Hexanone	ug/L	56.60		50.00	1.30	U 113	39-177	
Dibromochloromethane	ug/L	41.63		50.00	0.20	U 83	77-107	
Chlorobenzene	ug/L	47.04		50.00	0.20	U 94	79-113	
Ethylbenzene	ug/L	51.81		50.00	0.30	U 104	76-116	
Styrene	ug/L	50.35		50.00	0.40	U 101	76-112	
Bromoform	ug/L	39.71		50.00	0.40	U 79	68-107	
1,1,2,2-Tetrachloroethane	ug/L	45.82		50.00	0.70	U 92	59-129	

QUALITY CONTROL RESULTS

Job Number.: 204351

Report Date.: 08/15/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Norman Bradley

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8260B

Equipment Code....: MSK

Analyst....: pam

Method Description.: Volatile Organics (5mL Purge)

Batch.....: 20788

MSD	Matrix Spike Duplicate	V03GWRK006	204351-1		08/13/2003	1219

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Chloromethane	ug/L	54.13	49.08	50.00	1.00	U 108 10	34-139 20	
Vinyl chloride	ug/L	52.69	48.63	50.00	1.00	U 105 8	56-142 20	
Bromomethane	ug/L	38.61	38.74	50.00	3.10	U 77 0	24-161 20	
Chloroethane	ug/L	35.31	27.98	50.00	0.80	U 71 23	57-157 20	
1,1-Dichloroethene	ug/L	47.74	47.98	50.00	0.80	U 95 0	69-128 20	*
Carbon disulfide	ug/L	52.04	49.80	50.00	0.60	U 104 4	53-136 20	
Toluene	ug/L	75.46	43.11	50.00	1.90	U 151 55	17-226 20	*
Methylene chloride	ug/L	49.95	48.32	50.00	0.40	U 100 3	70-117 20	
trans-1,2-Dichloroethene	ug/L	49.78	49.33	50.00	0.60	U 100 1	68-119 20	
1,1-Dichloroethane	ug/L	49.67	48.61	50.00	0.60	U 99 2	74-122 20	
cis-1,2-Dichloroethene	ug/L	50.43	52.00	50.00	0.60	U 101 3	64-118 20	
2-Butanone (MEK)	ug/L	67.93	45.48	50.00	1.10	U 136 40	36-189 20	*
Chloroform	ug/L	46.87	46.62	50.00	0.40	U 94 1	69-117 20	
1,1,1-Trichloroethane	ug/L	43.14	44.07	50.00	0.40	U 86 2	56-123 20	
Carbon tetrachloride	ug/L	42.75	44.75	50.00	0.30	U 85 5	32-139 20	
Benzene	ug/L	53.96	51.08	50.00	0.40	U 108 5	69-120 20	
1,2-Dichloroethane	ug/L	50.12	46.52	50.00	0.30	U 100 7	63-123 20	
Trichloroethene	ug/L	46.70	49.34	50.00	0.70	U 93 5	64-104 20	
1,2-Dichloropropane	ug/L	54.97	52.21	50.00	0.60	U 110 5	72-108 20	*
Bromodichloromethane	ug/L	43.76	42.88	50.00	0.60	U 88 2	56-114 20	
cis-1,3-Dichloropropene	ug/L	49.99	50.70	50.00	0.60	U 100 1	60-115 20	
4-Methyl-2-pentanone (MIBK)	ug/L	78.17	55.54	50.00	0.50	U 156 34	49-145 20	*
Toluene	ug/L	54.64	50.71	50.00	0.30	U 109 7	77-110 20	*
trans-1,3-Dichloropropene	ug/L	54.01	48.75	50.00	0.40	U 108 10	53-118 20	
1,1,2-Trichloroethane	ug/L	48.49	47.50	50.00	0.80	U 97 2	69-116 20	

0000033

Job Number.: 204351		QUALITY CONTROL RESULTS			Report Date.: 08/15/2003	
CUSTOMER: Walden Associates		PROJECT: 218 LAKEVILLE ROAD A			ATTN: Norman Bradley	
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	V03GWRK006	204351-1		08/13/2003	1219

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Tetrachloroethene	ug/L	46.58	45.58	50.00	0.40	U 93 2	66-143 20	
2-Hexanone	ug/L	82.57	56.60	50.00	1.30	U 165 37	39-177 20	*
Dibromochloromethane	ug/L	43.97	41.63	50.00	0.20	U 88 5	77-107 20	
Chlorobenzene	ug/L	46.66	47.04	50.00	0.20	U 93 1	79-113 20	
Ethylbenzene	ug/L	53.71	51.81	50.00	0.30	U 107 4	76-116 20	
Styrene	ug/L	51.21	50.35	50.00	0.40	U 102 2	76-112 20	
Bromoform	ug/L	40.93	39.71	50.00	0.40	U 82 3	68-107 20	
1,1,2,2-Tetrachloroethane	ug/L	55.96	45.82	50.00	0.70	U 112 20	59-129 20	

00000034

QUALITY CONTROL RESULTS					
Job Number.: 204351			Report Date.: 08/15/2003		
CUSTOMER: Walden Associates		PROJECT: 218 LAKEVILLE ROAD A		ATTN: Norman Bradley	
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date Time

Test Method.....: 8260B	Equipment Code....: MSK	Analyst....: pam
Method Description.: Volatile Organics (5mL Purge)	Batch.....: 20788	

MSB	Matrix Spike Blank	V03GWRK006	204351-1		08/12/2003 1848

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Chloromethane	ug/L	48.53		50.00	1.00	U 97	34-139	
Vinyl chloride	ug/L	47.90		50.00	1.00	U 96	56-142	
Bromomethane	ug/L	35.43		50.00	3.10	U 71	24-161	
Chloroethane	ug/L	40.58		50.00	0.80	U 81	57-157	
1,1-Dichloroethene	ug/L	46.98		50.00	0.80	U 94	69-128	
Carbon disulfide	ug/L	48.17		50.00	0.60	U 96	53-136	
Acetone	ug/L	40.54		50.00	1.90	U 81	17-226	
Methylene chloride	ug/L	47.73		50.00	1.20	J 93	70-117	
trans-1,2-Dichloroethene	ug/L	48.16		50.00	0.60	U 96	68-119	
1,1-Dichloroethane	ug/L	48.51		50.00	0.60	U 97	74-122	
cis-1,2-Dichloroethene	ug/L	50.14		50.00	0.60	U 100	64-118	
2-Butanone (MEK)	ug/L	46.41		50.00	1.10	U 93	36-189	
Bromoform	ug/L	47.09		50.00	0.40	U 94	69-117	
1,1,1-Trichloroethane	ug/L	45.91		50.00	0.40	U 92	56-123	
Carbon tetrachloride	ug/L	43.89		50.00	0.30	U 88	32-139	
Benzene	ug/L	51.36		50.00	0.40	U 103	69-120	
1,2-Dichloroethane	ug/L	48.13		50.00	0.30	U 96	63-123	
Trichloroethene	ug/L	48.86		50.00	0.70	U 98	64-104	
1,2-Dichloropropane	ug/L	51.69		50.00	0.60	U 103	72-108	
Bromodichloromethane	ug/L	44.36		50.00	0.60	U 89	56-114	
cis-1,3-Dichloropropene	ug/L	47.43		50.00	0.60	U 95	60-115	
4-Methyl-2-pentanone (MIBK)	ug/L	55.01		50.00	0.50	U 110	49-145	
Toluene	ug/L	53.01		50.00	0.30	U 106	77-110	
trans-1,3-Dichloropropene	ug/L	47.74		50.00	0.40	U 95	53-118	
1,1,2-Trichloroethane	ug/L	49.09		50.00	0.80	U 98	69-116	
Tetrachloroethene	ug/L	43.28		50.00	0.40	U 87	66-143	
2-Hexanone	ug/L	55.63		50.00	1.30	U 111	39-177	
Dibromochloromethane	ug/L	49.74		50.00	0.20	U 99	77-107	
Chlorobenzene	ug/L	48.04		50.00	0.20	U 96	79-113	
Ethylbenzene	ug/L	52.11		50.00	0.30	U 104	76-116	
Styrene	ug/L	50.93		50.00	0.40	U 102	76-112	
Bromoform	ug/L	43.55		50.00	0.40	U 87	68-107	
1,1,2,2-Tetrachloroethane	ug/L	47.53		50.00	0.70	U 95	59-129	

0000935

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

20780-1MB

Lab Name: STL-CT

Contract:

Lab Code: STLCT

Case No.: 204351 SAS No.:

SDG No.: 204351

Lab File ID: K7773

Lab Sample ID: 20780-1MB

Date Analyzed: 08/12/03

Time Analyzed: 0942

GC Column: DB-624 ID: 0.53 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSK

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
	=====	=====	=====	=====
01	20780-2LCS	20780-2LCS	K7775	1108
02	SAMPLE 1	204351-1	K7779	1420
03	SAMPLE 2	204351-2	K7780	1454
04	SAMPLE 4	204351-4	K7781	1527
05	SAMPLE 5	204351-5	K7782	1601
06	SAMPLE 6	204351-6	K7783	1634
07	SAMPLE 7	204351-7	K7784	1707
08	SAMPLE 8	204351-8	K7785	1741
09	SAMPLE 9	204351-9	K7786	1814
10	SAMPLE 1	204351-1MSB	K7787	1848
11	SAMPLE 1MS	204351-1MS	K7788	1921
12				
13				
14				
15				
16				
17				
18				
19				
20				
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COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

20829-1MB

Lab Name: STL-CT

Contract:

Lab Code: STLCT

Case No.: 204351 SAS No.:

SDG No.: 204351

Lab File ID: K7800

Lab Sample ID: 20829-1MB

Date Analyzed: 08/13/03

Time Analyzed: 0940

GC Column: DB-624 ID: 0.53 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSK

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
	=====	=====	=====	=====
01	20829-2LCS	20829-2LCS	K7802	1127
02	SAMPLE 1MSD	204351-1MSD	K7803	1219
03	SAMPLE 3	204351-3	K7806	1415
04	SAMPLE 10	204351-10	K7807	1448
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COMMENTS:

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL-CT

Contract:

Lab Code: STLCT

Case No.: 204351

SAS No.:

SDG No.: 204351

Lab File ID (Standard): K7771

Date Analyzed: 08/12/03

Instrument ID: MSK

Time Analyzed: 0759

GC Column: DB-624

ID: 0.53 (mm)

Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 (DCB) AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	1488201	12.20	1173817	17.63	567567	20.87
UPPER LIMIT	2976402	12.70	2347634	18.13	1135134	21.37
LOWER LIMIT	744101	11.70	586909	17.13	283784	20.37
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 20780-1MB	1263521	12.16	962127	17.60	481498	20.87
02 20780-2LCS	1365309	12.16	1109390	17.60	496678	20.85
03 SAMPLE 1	1371238	12.16	1029500	17.61	448936	20.86
04 SAMPLE 2	1281480	12.14	974413	17.60	405980	20.87
05 SAMPLE 4	1226575	12.16	933194	17.60	412539	20.87
06 SAMPLE 5	1251845	12.16	944464	17.59	429219	20.85
07 SAMPLE 6	1213324	12.14	933275	17.60	405772	20.87
08 SAMPLE 7	1211966	12.16	914321	17.59	384948	20.87
09 SAMPLE 8	1240433	12.16	939953	17.61	428083	20.87
10 SAMPLE 9	1262420	12.14	902440	17.61	409741	20.87
11 SAMPLE 1	1436428	12.16	1113541	17.60	518923	20.87
12 SAMPLE 1MS	1452486	12.17	1148097	17.61	523695	20.87
13						
14						
15						
16						
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18						
19						
20						
21						
22						

IS1 = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: STL-CT

Contract:

Lab Code: STLCT

Case No.: 204351 SAS No.:

SDG No.: 204351

Lab File ID: KB457

BFB Injection Date: 08/11/03

Instrument ID: MSK

BFB Injection Time: 0734

GC Column: DB-624 ID: 0.53 (mm)

Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	29.5
75	30.0 - 60.0% of mass 95	58.0
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 - 100.0% of mass 95	55.4
175	5.0 - 9.0% of mass 174	3.6 (6.5)1
176	95.0 - 101.0% of mass 174	55.1 (99.3)1
177	5.0 - 9.0% of mass 176	3.1 (5.5)2

1-Value is % mass 174

2-Value is % mass 176

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050KM	VSTD050KM	K7739	08/11/03	0805
02	VSTD020KN	VSTD020KN	K7740	08/11/03	1004
03	VSTD005KO	VSTD005KO	K7741	08/11/03	1038
04	VSTD100KP	VSTD100KP	K7743	08/11/03	1145
05	VSTD200KQ	VSTD200KQ	K7744	08/11/03	1218
06					
07					
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5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: STL-CT

Contract:

Lab Code: STLCT

Case No.: 204351 SAS No.:

SDG No.: 204351

Lab File ID: KB459

BFB Injection Date: 08/12/03

Instrument ID: MSK

BFB Injection Time: 0728

GC Column: DB-624 ID: 0.53 (mm)

Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.8
75	30.0 - 60.0% of mass 95	56.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.4
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	56.6
175	5.0 - 9.0% of mass 174	4.3 (7.6)1
176	95.0 - 101.0% of mass 174	54.4 (96.3)1
177	5.0 - 9.0% of mass 176	3.1 (5.8)2

1-Value is % mass 174 2-Value is % mass 176

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050KS	VSTD050KS	K7771	08/12/03	0759
02	20780-1MB	20780-1MB	K7773	08/12/03	0942
03	20780-2LCS	20780-2LCS	K7775	08/12/03	1108
04	SAMPLE 1	204351-1	K7779	08/12/03	1420
05	SAMPLE 2	204351-2	K7780	08/12/03	1454
06	SAMPLE 4	204351-4	K7781	08/12/03	1527
07	SAMPLE 5	204351-5	K7782	08/12/03	1601
08	SAMPLE 6	204351-6	K7783	08/12/03	1634
09	SAMPLE 7	204351-7	K7784	08/12/03	1707
10	SAMPLE 8	204351-8	K7785	08/12/03	1741
11	SAMPLE 9	204351-9	K7786	08/12/03	1814
12	SAMPLE 1	204351-1MSB	K7787	08/12/03	1848
13	SAMPLE 1MS	204351-1MS	K7788	08/12/03	1921
14					
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5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: STL-CT

Contract:

Lab Code: STLCT

Case No.: 204351

SAS No.:

SDG No.: 204351

Lab File ID: KB460

BFB Injection Date: 08/13/03

Instrument ID: MSK

BFB Injection Time: 0729

GC Column: DB-624

ID: 0.53 (mm)

Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.7
75	30.0 - 60.0% of mass 95	56.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	8.6
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	58.7
175	5.0 - 9.0% of mass 174	4.1 (7.0)1
176	95.0 - 101.0% of mass 174	55.9 (95.1)1
177	5.0 - 9.0% of mass 176	4.6 (8.3)2

1-Value is % mass 174 2-Value is % mass 176

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050KU	VSTD050KU	K7798	08/13/03	0801
02	20829-1MB	20829-1MB	K7800	08/13/03	0940
03	20829-2LCS	20829-2LCS	K7802	08/13/03	1127
04	SAMPLE 1MSD	204351-1MSD	K7803	08/13/03	1219
05	SAMPLE 3	204351-3	K7806	08/13/03	1415
06	SAMPLE 10	204351-10	K7807	08/13/03	1448
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8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL-CT

Contract:

Lab Code: STLCT

Case No.: 204351

SAS No.:

SDG No.: 204351

Lab File ID (Standard): K7798

Date Analyzed: 08/13/03

Instrument ID: MSK

Time Analyzed: 0801

GC Column: DB-624

ID: 0.53 (mm)

Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 (DCB) AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	1295997	12.18	996048	17.61	498163	20.87
UPPER LIMIT	2591994	12.68	1992096	18.11	996326	21.37
LOWER LIMIT	647999	11.68	498024	17.11	249082	20.37
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 20829-1MB	1220725	12.14	922052	17.60	380771	20.85
02 20829-2LCS	1237577	12.17	1031752	17.61	466699	20.87
03 SAMPLE 1MSD	1310402	12.07	986206	17.54	438592	20.84
04 SAMPLE 3	1167304	12.14	899377	17.59	385471	20.87
05 SAMPLE 10	1128681	12.14	847867	17.59	363956	20.85
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21						
22						

IS1 = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

DETECTION LIMIT STUDY

Method.....:OLM03.2
 Analyst.....:Kelli Knee
 Equipment ID.:MSK
 Analysis Date:06/19/2003(grp 1)

Date...:2003-08-15
 Units.:ug/L
 Batch.:18549
 T-Val.:6.965

COMPOUND/ELEMENT/TEST	Matrix	Det. Lim.	Units	Mean	Std. Dev.	Grp
Dichlorodifluoromethane Raw Data: 4.82697 4.43233 4.28552	Water	1.95	ug/L	4.514940	0.280018	
Chloromethane Raw Data: 4.98934 4.41017 4.42552	Water	2.30	ug/L	4.608343	0.330042	
Vinyl chloride Raw Data: 4.79077 4.36889 4.27547	Water	1.91	ug/L	4.478377	0.274543	
Bromomethane Raw Data: 5.85966 4.92716 5.22953	Water	3.31	ug/L	5.338783	0.475753	
Chloroethane Raw Data: 4.94040 4.61201 4.56692	Water	1.42	ug/L	4.706443	0.203863	
Trichlorofluoromethane Raw Data: 4.61675 4.33774 4.06373	Water	1.93	ug/L	4.339407	0.276514	
1,1 Dichloro-1-Fluoroethane Raw Data: 4.52634 4.29663 4.10652	Water	1.46	ug/L	4.309830	0.210221	
Chlorotrifluoroethane Raw Data: 4.81563 4.48300 4.18740	Water	2.19	ug/L	4.495343	0.314297	
1,1-Dichloroethene Raw Data: 4.59041 4.15917 3.97035	Water	2.21	ug/L	4.239977	0.317830	
Carbon disulfide Raw Data: 4.93632 4.52655 4.24494	Water	2.42	ug/L	4.569270	0.347664	
Iodomethane Raw Data: 3.83328 3.71444 3.40807	Water	1.53	ug/L	3.651930	0.219389	
Methylene chloride Raw Data: 7.58896 6.79078 6.62875	Water	3.58	ug/L	7.002830	0.514028	
Acetone Raw Data: 6.96069 9.37230 9.27905	Water	9.52	ug/L	8.537347	1.366221	
Methyl acetate Raw Data: 4.36679 4.03950 3.97716	Water	1.46	ug/L	4.127817	0.209291	
trans-1,2-Dichloroethene Raw Data: 4.55717 4.15031 4.10825	Water	1.73	ug/L	4.271910	0.247936	
Methyl-tert-butyl-ether (MTBE) Raw Data: 3.86823 3.72076 3.45846	Water	1.45	ug/L	3.682483	0.207549	
Acrolein Raw Data: 21.4828 18.9620 17.6277	Water	13.64	ug/L	19.357500	1.957745	
tert-Butyl alcohol Raw Data: 17.4614 19.7489 18.2021	Water	8.13	ug/L	18.470800	1.167182	
Acrylonitrile Raw Data: 7.50638 7.10786 6.66771	Water	2.92	ug/L	7.093983	0.419507	
1,1-Dichloroethane Raw Data: 4.54748 4.33196 4.21199	Water	1.18	ug/L	4.363810	0.169998	

DETECTION LIMIT STUDY

Method.....:OLM03.2
 Analyst.....:Kelli Knee
 Equipment ID.:MSK
 Analysis Date:06/19/2003(grp 1)

Date...:2003-08-15
 Units.:ug/L
 Batch.:18549
 T-Val.:6.965

COMPOUND/ELEMENT/TEST	Matrix	Det. Lim.	Units	Mean	Std. Dev.	Grp
cis-1,2-Dichloroethene Raw Data: 4.11518 4.17878 3.96705	Water	0.76	ug/L	4.087003	0.108641	
Chloroform Raw Data: 4.38514 4.35225 4.15869	Water	0.85	ug/L	4.298693	0.122357	
Tetrahydrofuran Raw Data: 6.89780 6.86251 6.56507	Water	1.27	ug/L	6.775127	0.182768	
2-Butanone (MEK) Raw Data: 5.10408 5.79019 5.09116	Water	2.79	ug/L	5.328477	0.399908	
1,2-Dichloroethane Raw Data: 4.48436 4.00961 3.96149	Water	2.01	ug/L	4.151820	0.288991	
Dibromomethane Raw Data: 4.64647 4.27944 4.06716	Water	2.04	ug/L	4.331023	0.293080	
1,4-Dioxane Raw Data: 32.5821 43.3225 34.7953	Water	39.50	ug/L	36.899967	5.671090	
Vinyl acetate Raw Data: 3.28448 3.51383 3.49833	Water	0.89	ug/L	3.432213	0.128175	
1,1,1-Trichloroethane Raw Data: 4.11090 4.39561 4.28898	Water	1.00	ug/L	4.265163	0.143841	
Carbon tetrachloride Raw Data: 3.87803 4.19054 3.92465	Water	1.17	ug/L	3.997740	0.168589	
Benzene Raw Data: 4.63687 4.49775 4.33563	Water	1.05	ug/L	4.490083	0.150766	
Cyclohexane Raw Data: 3.83830 4.09655 4.04878	Water	0.96	ug/L	3.994543	0.137403	
Methyl cyclohexane Raw Data: 3.94585 3.98682 3.62149	Water	1.39	ug/L	3.851387	0.200147	
Trichloroethene Raw Data: 4.30348 4.32370 4.18073	Water	0.54	ug/L	4.269303	0.077370	
1,2-Dichloropropane Raw Data: 4.32107 4.26583 4.11218	Water	0.75	ug/L	4.233027	0.108240	
Bromodichloromethane Raw Data: 4.12632 4.23302 4.02069	Water	0.74	ug/L	4.126677	0.106165	
2-Chloroethylvinylether Raw Data: 2.61096 2.84413 2.73771	Water	0.81	ug/L	2.730933	0.116733	
cis-1,3-Dichloropropene Raw Data: 3.54293 3.52637 3.33130	Water	0.82	ug/L	3.466867	0.117696	
trans-1,3-Dichloropropene Raw Data: 3.01367 3.12337 2.95455	Water	0.60	ug/L	3.030530	0.085664	
1,1,2-Trichloroethane Raw Data: 4.23821 4.17621 3.96831	Water	0.98	ug/L	4.127577	0.141370	

DETECTION LIMIT STUDY

Method.....:OLM03.2
 Analyst.....:Kelli Knee
 Equipment ID.:MSK
 Analysis Date:06/19/2003 (grp 1)

Date...:2003-08-15
 Units.:ug/L
 Batch.:18549
 T-Val.:6.965

COMPOUND/ELEMENT/TEST	Matrix	Det. Lim.	Units	Mean	Std. Dev.	Grp
Dibromochloromethane Raw Data: 3.76553 4.02554 3.73138	Water	1.12	ug/L	3.840817	0.160884	
Bromoform Raw Data: 3.49246 3.70081 3.41659	Water	1.03	ug/L	3.536620	0.147166	
Toluene Raw Data: 4.87399 4.77294 4.58675	Water	1.01	ug/L	4.744560	0.145708	
4-Methyl-2-pentanone (MIBK) Raw Data: 3.79469 3.78980 3.92080	Water	0.52	ug/L	3.835097	0.074262	
Tetrachloroethene Raw Data: 4.65302 4.67512 4.50978	Water	0.63	ug/L	4.612640	0.089762	
Ethylmethacrylate Raw Data: 3.78692 3.59310 3.37194	Water	1.45	ug/L	3.583987	0.207640	
Dibromoethane (EDB) Raw Data: 4.30637 4.23378 4.05308	Water	0.91	ug/L	4.197743	0.130434	
2-Hexanone Raw Data: 4.16320 4.48105 4.43348	Water	1.19	ug/L	4.359243	0.171436	
Chlorobenzene Raw Data: 4.90096 4.83217 4.67600	Water	0.80	ug/L	4.803043	0.115274	
Ethylbenzene Raw Data: 4.47423 4.39516 4.21694	Water	0.92	ug/L	4.362110	0.131791	
m&p-Xylenes Raw Data: 8.95566 8.88229 8.40334	Water	2.09	ug/L	8.747097	0.299954	
o-Xylene Raw Data: 4.16536 4.09268 3.93348	Water	0.83	ug/L	4.063840	0.118600	
Styrene Raw Data: 4.34547 4.16428 4.08701	Water	0.92	ug/L	4.198920	0.132666	
Isopropylbenzene Raw Data: 4.32394 4.14693 4.08276	Water	0.87	ug/L	4.184543	0.124912	
1,1,2,2-Tetrachloroethane Raw Data: 4.58871 4.56087 4.25181	Water	1.30	ug/L	4.467130	0.186991	
1,2,3-Trichloropropane Raw Data: 3.84141 4.04163 3.97547	Water	0.71	ug/L	3.952837	0.102011	
1,3-Dichlorobenzene Raw Data: 4.26773 4.46739 4.15205	Water	1.11	ug/L	4.295723	0.159523	
4-Dichlorobenzene Raw Data: 4.76000 4.46097 4.47606	Water	1.17	ug/L	4.565677	0.168458	
1,2-Dichlorobenzene Raw Data: 4.46568 4.40840 4.22163	Water	0.89	ug/L	4.365237	0.127622	
1,2-Dibromo-3-chloropropane Raw Data: 4.10029 4.68936 4.48953	Water	2.09	ug/L	4.426393	0.299567	

DETECTION LIMIT STUDY

Method.....:OLM03.2
Analyst.....:Kelli Knee
Equipment ID.:MSK
Analysis Date:06/19/2003(grp 1)

Date...:2003-08-15
Units.:ug/L
Batch.:18549
T-Val.:6.965

COMPOUND/ELEMENT/TEST	Matrix	Det. Lim.	Units	Mean	Std. Dev.	Grp
1,2,4-Trichlorobenzene Raw Data: 4.41746 4.67815 4.35680	Water	1.19	ug/L	4.484137	0.170736	
1,2-Dichloroethene (total) Raw Data: 8.67235 8.32910 8.07530	Water	2.09	ug/L	8.358917	0.299640	
Xylenes (total) Raw Data: 13.1210 12.9750 12.3368	Water	2.90	ug/L	12.810933	0.417050	

Job Number: 204351

Date:08/15/2003

LABORATORY TEST RESULTS

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Norman Bradley

Customer Sample ID: SAMPLE 1

Date Sampled.....: 08/01/2003

Time Sampled.....: 00:00

Sample Matrix.....: Water

Laboratory Sample ID: 204351-1

Date Received.....: 08/04/2003

Time Received.....: 19:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B 00000047	Volatile Organics (5mL Purge)	ND	U	1	5	1.00000	ug/L	20788		08/12/03 1420	pam
	Chloromethane	ND	U	1	5	1.00000	ug/L	20788		08/12/03 1420	pam
	Vinyl chloride	ND	U	3	5	1.00000	ug/L	20788		08/12/03 1420	pam
	Bromomethane	ND	U	0.8	5	1.00000	ug/L	20788		08/12/03 1420	pam
	Chloroethane	ND	U	0.8	5	1.00000	ug/L	20788		08/12/03 1420	pam
	1,1-Dichloroethene	ND	U	0.6	5	1.00000	ug/L	20788		08/12/03 1420	pam
	Carbon disulfide	ND	U	2	10	1.00000	ug/L	20788		08/12/03 1420	pam
	Acetone	ND	U	0.4	5	1.00000	ug/L	20788		08/12/03 1420	pam
	Methylene chloride	ND	U	0.6	5	1.00000	ug/L	20788		08/12/03 1420	pam
	trans-1,2-Dichloroethene	ND	U	0.6	5	1.00000	ug/L	20788		08/12/03 1420	pam
	1,1-Dichloroethane	ND	U	0.6	5	1.00000	ug/L	20788		08/12/03 1420	pam
	Vinyl acetate	ND	U	2	5	1.00000	ug/L	20788		08/12/03 1420	pam
	cis-1,2-Dichloroethene	ND	U	0.6	5	1.00000	ug/L	20788		08/12/03 1420	pam
	2-Butanone (MEK)	ND	U	1	10	1.00000	ug/L	20788		08/12/03 1420	pam
	Chloroform	ND	U	0.4	5	1.00000	ug/L	20788		08/12/03 1420	pam
	1,1,1-Trichloroethane	ND	U	0.4	5	1.00000	ug/L	20788		08/12/03 1420	pam
	Carbon tetrachloride	ND	U	0.3	5	1.00000	ug/L	20788		08/12/03 1420	pam
	Benzene	ND	U	0.4	5	1.00000	ug/L	20788		08/12/03 1420	pam
	1,2-Dichloroethane	ND	U	0.3	5	1.00000	ug/L	20788		08/12/03 1420	pam
	Trichloroethene	ND	U	0.7	5	1.00000	ug/L	20788		08/12/03 1420	pam
	1,2-Dichloropropane	ND	U	0.6	5	1.00000	ug/L	20788		08/12/03 1420	pam
	Bromodichloromethane	ND	U	0.6	5	1.00000	ug/L	20788		08/12/03 1420	pam
	cis-1,3-Dichloropropene	ND	U	0.6	5	1.00000	ug/L	20788		08/12/03 1420	pam
	4-Methyl-2-pentanone (MIBK)	ND	U	0.5	10	1.00000	ug/L	20788		08/12/03 1420	pam
	Toluene	ND	U	0.3	5	1.00000	ug/L	20788		08/12/03 1420	pam
	trans-1,3-Dichloropropene	ND	U	0.4	5	1.00000	ug/L	20788		08/12/03 1420	pam
	1,1,2-Trichloroethane	ND	U	0.8	5	1.00000	ug/L	20788		08/12/03 1420	pam
	Tetrachloroethene	ND	U	0.4	5	1.00000	ug/L	20788		08/12/03 1420	pam
	2-Hexanone	ND	U	1	10	1.00000	ug/L	20788		08/12/03 1420	pam

* In Description = Dry Wgt.

LABORATORY TEST RESULTS												
Job Number: 204351				Date: 08/15/2003								
CUSTOMER: Walden Associates				PROJECT: 218 LAKEVILLE ROAD A								
ATTN: Norman Bradley												
Customer Sample ID: SAMPLE 1 Date Sampled.....: 08/01/2003 Time Sampled.....: 00:00 Sample Matrix.....: Water				Laboratory Sample ID: 204351-1 Date Received.....: 08/04/2003 Time Received.....: 19:40								
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
00000048	Dibromochloromethane	ND	U		0.2	5	1.00000	ug/L	20788		08/12/03 1420	pam
	Chlorobenzene	ND	U		0.2	5	1.00000	ug/L	20788		08/12/03 1420	pam
	Ethylbenzene	ND	U		0.3	5	1.00000	ug/L	20788		08/12/03 1420	pam
	Styrene	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1420	pam
	Bromoform	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1420	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.7	5	1.00000	ug/L	20788		08/12/03 1420	pam
	Xylenes (total)	ND	U		1	5	1.00000	ug/L	20788		08/12/03 1420	pam

* In Description = Dry Wgt.

STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\\Files\\chem\\VOA\\msk.i\\K037771.b\\K7779.D
Lab Smp Id: 204351-1 Client Smp ID: SAMPLE 1
Inj Date : 12-AUG-2003 14:20 MS Autotune Date: 01-JUL-2002 12:47
Operator : D. HUMBERT Inst ID: msk.i
Smp Info : 204351-1
Misc Info : : ;;; SAMPLE 1 ; 8260B ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\\Files\\chem\\VOA\\msk.i\\K037771.b\\K8260BFW.m
Meth Date : 13-Aug-2003 08:50 kelli Quant Type: ISTD
Cal Date : 11-AUG-2003 10:04 Cal File: K7740.D
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.10

Compound Sublist: 8260BAP9.sub

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

						CONCENTRATIONS	
Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL
	MASS					(ug/L)	(ug/L)
=====	====				=====	=====	=====
* 1 Fluorobenzene	96	12.155	12.197	(1.000)	1371238	25.0000	
20 Methyl tert-Butyl Ether	73	7.556	7.650	(0.622)	133011	3.33087	3
\$ 38 Dibromofluoromethane	111	10.692	10.768	(0.880)	875416	24.6998	25
\$ 52 1,2-Dichloroethane-d4	65	11.528	11.587	(0.948)	785283	25.6470	26
* 70 Chlorobenzene-d5	117	17.607	17.632	(1.000)	1029500	25.0000	
\$ 72 Toluene-d8	98	15.116	15.141	(0.859)	1160466	24.9316	25
* 89 1,4-Dichlorobenzene-d4	152	20.864	20.871	(1.000)	448936	25.0000	
\$ 116 Bromofluorobenzene	95	19.523	19.530	(0.936)	860321	24.6648	25

0000049

Data File: \\TARGET1-CT\\Files\\chem\\VDA\\msk.1\\K037771.b\\K7779.D

Date : 12-AUG-2003 14:20

Client ID: SAMPLE 1

Sample Info: 204351-1

Purge Volume: 5.0

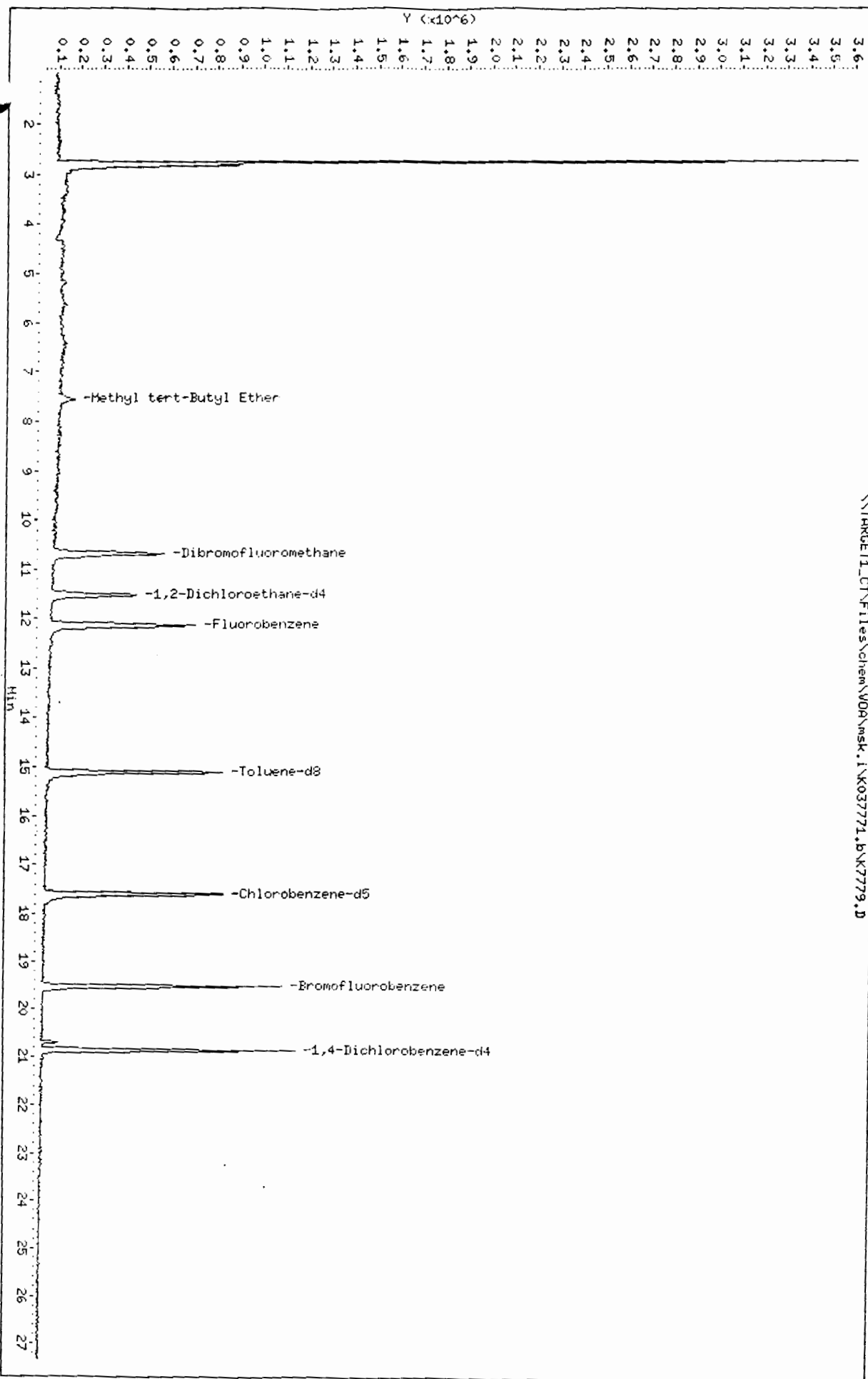
Column phase: DB-624

Instrument: msk.i

Operator: D. HUBERT

Column diameter: 0.53

\\TARGET1-CT\\Files\\chem\\VDA\\msk.1\\K037771.b\\K7779.D



0000050

LABORATORY TEST RESULTS

Job Number: 204351

Date: 08/15/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Norman Bradley

Customer Sample ID: SAMPLE 2
Date Sampled.....: 08/01/2003
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 204351-2
Date Received.....: 08/04/2003
Time Received.....: 19:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)	ND	U		1	5	1.00000	ug/L	20788		08/12/03 1454	pam
	Chloromethane	ND	U		1	5	1.00000	ug/L	20788		08/12/03 1454	pam
	Vinyl chloride	ND	U		3	5	1.00000	ug/L	20788		08/12/03 1454	pam
	Bromomethane	ND	U		0.8	5	1.00000	ug/L	20788		08/12/03 1454	pam
	Chloroethane	ND	U		0.8	5	1.00000	ug/L	20788		08/12/03 1454	pam
	1,1-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1454	pam
	Carbon disulfide	ND	U		2	10	1.00000	ug/L	20788		08/12/03 1454	pam
	Acetone	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1454	pam
	Methylene chloride	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1454	pam
	trans-1,2-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1454	pam
	1,1-Dichloroethane	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1454	pam
	Vinyl acetate	ND	U		2	5	1.00000	ug/L	20788		08/12/03 1454	pam
	cis-1,2-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1454	pam
	2-Butanone (MEK)	ND	U		1	10	1.00000	ug/L	20788		08/12/03 1454	pam
	Chloroform	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1454	pam
	1,1,1-Trichloroethane	ND	U		0.3	5	1.00000	ug/L	20788		08/12/03 1454	pam
	Carbon tetrachloride	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1454	pam
	Benzene	ND	U		0.3	5	1.00000	ug/L	20788		08/12/03 1454	pam
	1,2-Dichloroethane	ND	U		0.7	5	1.00000	ug/L	20788		08/12/03 1454	pam
	Trichloroethene	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1454	pam
	1,2-Dichloropropane	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1454	pam
	Bromodichloromethane	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1454	pam
	cis-1,3-Dichloropropene	ND	U		0.5	5	1.00000	ug/L	20788		08/12/03 1454	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.3	10	1.00000	ug/L	20788		08/12/03 1454	pam
	Toluene	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1454	pam
	trans-1,3-Dichloropropene	ND	U		0.8	5	1.00000	ug/L	20788		08/12/03 1454	pam
	1,1,2-Trichloroethane	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1454	pam
	Tetrachloroethene	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1454	pam
	2-Hexanone	ND	U		1	10	1.00000	ug/L	20788		08/12/03 1454	pam

* In Description = Dry Wgt.

00000051

Job Number: 204351

Date:08/15/2003

LABORATORY TEST RESULTS

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Norman Bradley

Customer Sample ID: SAMPLE 2

Date Sampled.....: 08/01/2003

Time Sampled.....: 00:00

Sample Matrix.....: Water

Laboratory Sample ID: 204351-2

Date Received.....: 08/04/2003

Time Received.....: 19:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
00000052	Dibromochloromethane	ND	U		0.2	5	1.00000	ug/L	20788		08/12/03 1454	pam
	Chlorobenzene	ND	U		0.2	5	1.00000	ug/L	20788		08/12/03 1454	pam
	Ethylbenzene	ND	U		0.3	5	1.00000	ug/L	20788		08/12/03 1454	pam
	Styrene	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1454	pam
	Bromoform	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1454	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.7	5	1.00000	ug/L	20788		08/12/03 1454	pam
	Xylenes (total)	ND	U		1	5	1.00000	ug/L	20788		08/12/03 1454	pam

* In Description = Dry Wgt.

STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\Files\chem\VOA\msk.i\K037771.b\K7780.D
Lab Smp Id: 204351-2 Client Smp ID: SAMPLE 2
Inj Date : 12-AUG-2003 14:54 MS Autotune Date: 01-JUL-2002 12:47
Operator : D. HUMBERT Inst ID: msk.i
Smp Info : 204351-2
Misc Info : : ;;; SAMPLE 2 ; 8260B ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\Files\chem\VOA\msk.i\K037771.b\K8260BFW.m
Meth Date : 13-Aug-2003 08:50 kelli Quant Type: ISTD
Cal Date : 11-AUG-2003 10:04 Cal File: K7740.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.10

Compound Sublist: 8260BAP9.sub

ka
8/13/03

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
* 1 Fluorobenzene	96	12.144	12.197	(1.000)	1281480	25.0000	
\$ 38 Dibromofluoromethane	111	10.698	10.768	(0.881)	800049	24.1545	24
\$ 52 1,2-Dichloroethane-d4	65	11.534	11.587	(0.950)	781452	27.3095	27
* 70 Chlorobenzene-d5	117	17.596	17.632	(1.000)	974413	25.0000	
\$ 72 Toluene-d8	98	15.105	15.141	(0.858)	1171295	26.5869	27
* 89 1,4-Dichlorobenzene-d4	152	20.871	20.871	(1.000)	405980	25.0000	
\$ 116 Bromofluorobenzene	95	19.529	19.530	(0.936)	823455	26.1057	26

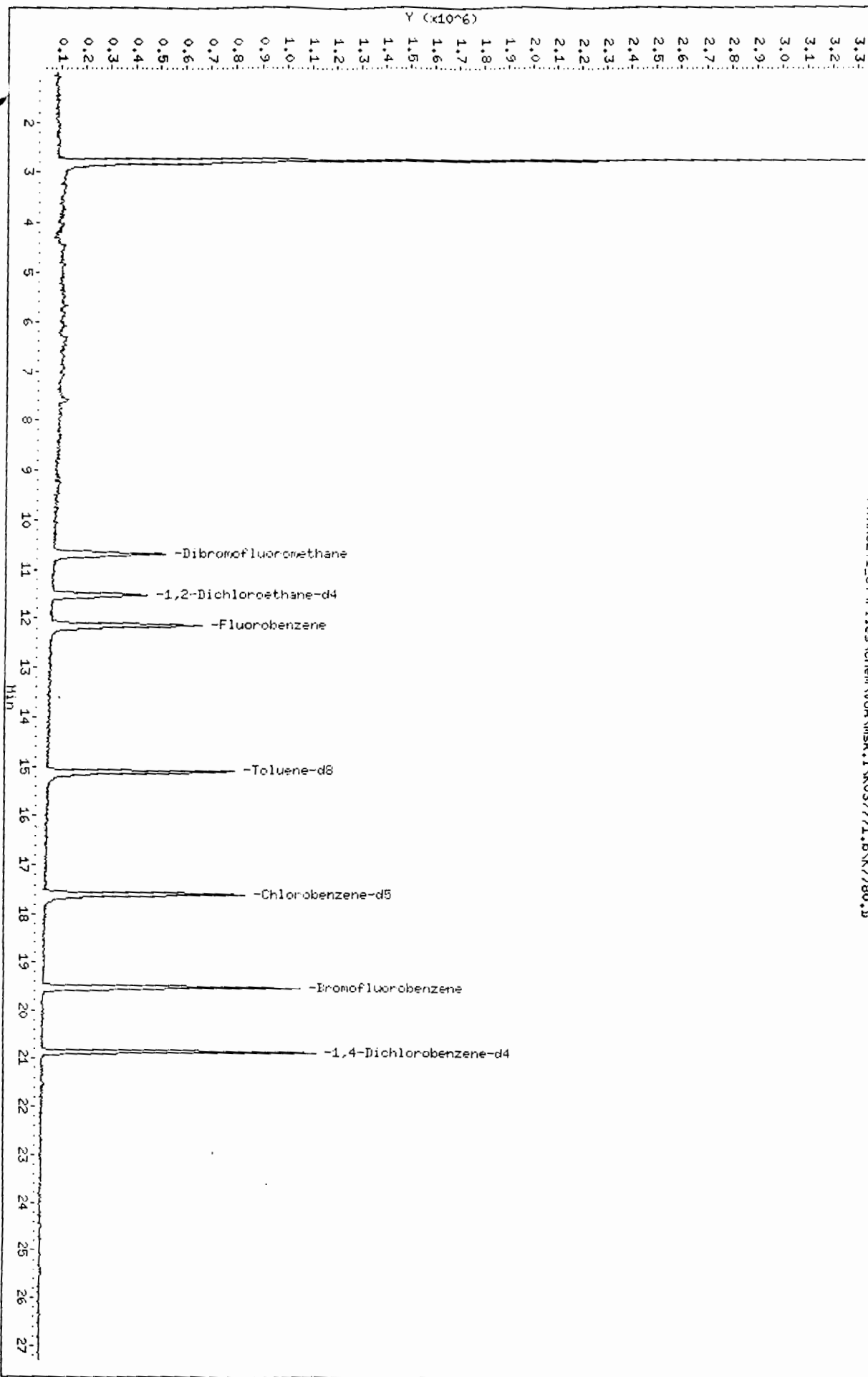
0000053

Data File: \\TARGET11_CTF\files\chem\VOA\msk.1\K037771.b\K7780.D
Date : 12-AUG-2003 14:54

Client ID: SAMPLE 2
Sample Info: 204351-2
Purge Volume: 5.0
Column phase: DB-624

Instrument: msk.1
Operator: D. HUBERT
Column diameter: 0.53

\\TARGET11_CTF\files\chem\VOA\msk.1\K037771.b\K7780.D



0000054

LABORATORY TEST RESULTS

Job Number: 204351

Date: 08/15/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Norman Bradley

Customer Sample ID: SAMPLE 3
Date Sampled.....: 08/01/2003
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 204351-3
Date Received.....: 08/04/2003
Time Received.....: 19:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatiles Organics (5mL Purge)	ND	U		1	5	1.00000	ug/L	20788		08/13/03 14:15	pam
	Chloromethane	ND	U		1	5	1.00000	ug/L	20788		08/13/03 14:15	pam
	Vinyl chloride	ND	U		3	5	1.00000	ug/L	20788		08/13/03 14:15	pam
	Bromomethane	ND	U		0.8	5	1.00000	ug/L	20788		08/13/03 14:15	pam
	Chloroethane	ND	U		0.8	5	1.00000	ug/L	20788		08/13/03 14:15	pam
	1,1-Dichloroethane	ND	U		0.6	5	1.00000	ug/L	20788		08/13/03 14:15	pam
	Carbon disulfide	ND	U		2	10	1.00000	ug/L	20788		08/13/03 14:15	pam
	Acetone	ND	U		0.4	5	1.00000	ug/L	20788		08/13/03 14:15	pam
	Methylene chloride	ND	U		0.6	5	1.00000	ug/L	20788		08/13/03 14:15	pam
	trans-1,2-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	20788		08/13/03 14:15	pam
	1,1-Dichloroethane	ND	U		2	5	1.00000	ug/L	20788		08/13/03 14:15	pam
	Vinyl acetate	ND	U		0.6	5	1.00000	ug/L	20788		08/13/03 14:15	pam
	cis-1,2-Dichloroethene	ND	U		1	10	1.00000	ug/L	20788		08/13/03 14:15	pam
	2-Butanone (MEK)	ND	U		0.4	5	1.00000	ug/L	20788		08/13/03 14:15	pam
	Chloroform	ND	U		0.4	5	1.00000	ug/L	20788		08/13/03 14:15	pam
	1,1,1-Trichloroethane	ND	U		0.3	5	1.00000	ug/L	20788		08/13/03 14:15	pam
	Carbon tetrachloride	ND	U		0.3	5	1.00000	ug/L	20788		08/13/03 14:15	pam
	Benzene	ND	U		0.7	5	1.00000	ug/L	20788		08/13/03 14:15	pam
	1,2-Dichloroethane	ND	U		0.6	5	1.00000	ug/L	20788		08/13/03 14:15	pam
	Trichloroethene	ND	U		0.6	5	1.00000	ug/L	20788		08/13/03 14:15	pam
	1,2-Dichloropropane	ND	U		0.5	10	1.00000	ug/L	20788		08/13/03 14:15	pam
	Bromodichloromethane	ND	U		0.3	5	1.00000	ug/L	20788		08/13/03 14:15	pam
	cis-1,3-Dichloropropene	ND	U		0.4	5	1.00000	ug/L	20788		08/13/03 14:15	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.8	5	1.00000	ug/L	20788		08/13/03 14:15	pam
	Toluene	ND	U		0.4	5	1.00000	ug/L	20788		08/13/03 14:15	pam
	trans-1,3-Dichloropropene	ND	U		1	10	1.00000	ug/L	20788		08/13/03 14:15	pam
	1,1,2-Trichloroethane	ND	U									
	Tetrachloroethene	ND	U									
	2-Hexanone	ND	U									

* In Description = Dry Wgt.

00000055

LABORATORY TEST RESULTS

Job Number: 204351

Date: 08/15/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Norman Bradley

Customer Sample ID: SAMPLE 3
Date Sampled.....: 08/01/2003
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 204351-3
Date Received.....: 08/04/2003
Time Received.....: 19:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
0000056	Dibromochloromethane	ND	U		0.2	5	1.00000	ug/L	20788		08/13/03 1415	pam
	Chlorobenzene	ND	U		0.2	5	1.00000	ug/L	20788		08/13/03 1415	pam
	Ethylbenzene	ND	U		0.3	5	1.00000	ug/L	20788		08/13/03 1415	pam
	Styrene	ND	U		0.4	5	1.00000	ug/L	20788		08/13/03 1415	pam
	Bromoform	ND	U		0.4	5	1.00000	ug/L	20788		08/13/03 1415	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.7	5	1.00000	ug/L	20788		08/13/03 1415	pam
	Xylenes (total)	ND	U		1	5	1.00000	ug/L	20788		08/13/03 1415	pam

* In Description = Dry Wgt.

STL-CT

Volatile Report SW-846 Method 8260B
Data file : \\TARGET1_CT\\Files\\chem\\VOA\\msk.i\\K037798.b\\K7806.D
Lab Smp Id: 204351-3 Client Smp ID: SAMPLE 3
Inj Date : 13-AUG-2003 14:15 MS Autotune Date: 01-JUL-2002 12:47
Operator : D. HUMBERT Inst ID: msk.i
Smp Info : 204351-3
Misc Info : : ;;; SAMPLE 3 ; 8260B ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\\Files\\chem\\VOA\\msk.i\\K037798.b\\K8260BFW.m
Meth Date : 15-Aug-2003 10:45 kelli Quant Type: ISTD
Cal Date : 11-AUG-2003 10:04 Cal File: K7740.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260BAP9.sub
Target Version: 4.10

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

8/15/03

Compounds	QUANT SIG						CONCENTRATIONS	
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
* 1 Fluorobenzene	96		12.142	12.176	(1.000)	1167304	25.0000	
20 Methyl tert-Butyl Ether	73		7.561	7.612	(0.623)	51414	1.51245	2
\$ 38 Dibromofluoromethane	111		10.679	10.713	(0.880)	885400	29.3459	29
\$ 52 1,2-Dichloroethane-d4	65		11.515	11.549	(0.948)	740008	28.3906	28
* 70 Chlorobenzene-d5	117		17.594	17.611	(1.000)	899377	25.0000	
\$ 72 Toluene-d8	98		15.121	15.137	(0.859)	1103612	27.1406	27
* 89 1,4-Dichlorobenzene-d4	152		20.869	20.868	(1.000)	385471	25.0000	
\$ 116 Bromofluorobenzene	95		19.511	19.527	(0.935)	758402	26.6582	27

0000057

Data File: \\TARGET1\CT\Files\chem\VOH\msk.1\K037798.B\K7806.D

Page 5

Date : 13-AUG-2003 14:15

Client ID: SAMPLE 3

Sample Info: 204351-3

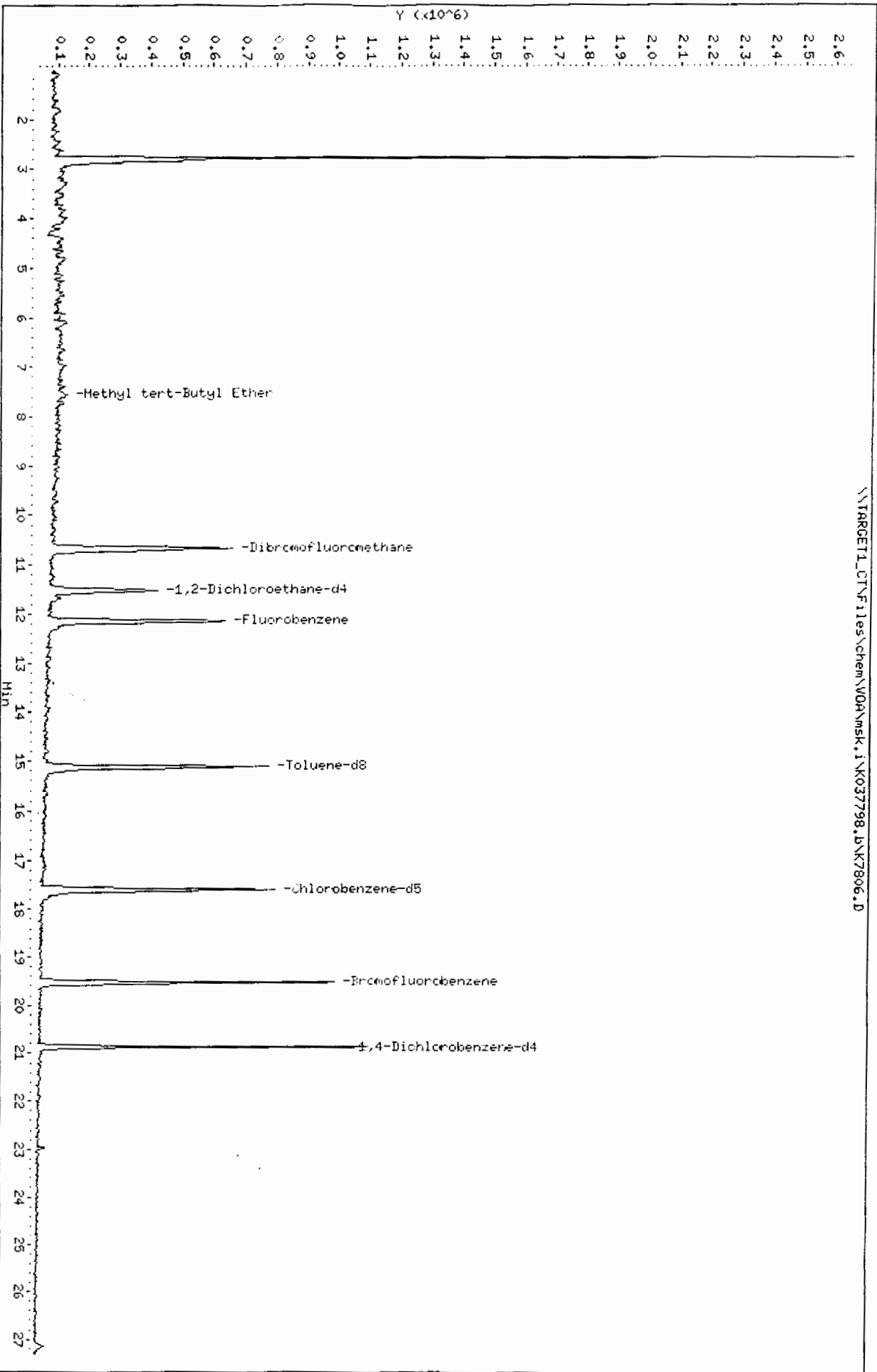
Purge Volume: 5.0

Column phase: DB-624

Instrument: msk.1

Operator: D. HUBERT

Column diameter: 0.53



0000058

LABORATORY TEST RESULTS

Job Number: 204351

Date: 08/15/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Norman Bradley

Customer Sample ID: SAMPLE 4
Date Sampled.....: 08/01/2003
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 204351-4
Date Received.....: 08/04/2003
Time Received.....: 19:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatiles Organics (5mL Purge)	ND	U		1	5	1.00000	ug/L	20788		08/12/03 1527	pam
	Chloromethane	ND	U		1	5	1.00000	ug/L	20788		08/12/03 1527	pam
	Vinyl chloride	ND	U		3	5	1.00000	ug/L	20788		08/12/03 1527	pam
	Bromomethane	ND	U		0.8	5	1.00000	ug/L	20788		08/12/03 1527	pam
	Chloroethane	ND	U		0.8	5	1.00000	ug/L	20788		08/12/03 1527	pam
	1,1-Dichloroethane	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1527	pam
	Carbon disulfide	ND	U		2	5	1.00000	ug/L	20788		08/12/03 1527	pam
	Acetone	ND	U		0.4	10	1.00000	ug/L	20788		08/12/03 1527	pam
	Methylene chloride	ND	U	B	0.6	5	1.00000	ug/L	20788		08/12/03 1527	pam
	trans-1,2-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1527	pam
	1,1-Dichloroethane	ND	U		2	5	1.00000	ug/L	20788		08/12/03 1527	pam
	Vinyl acetate	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1527	pam
	cis-1,2-Dichloroethene	ND	U		1	5	1.00000	ug/L	20788		08/12/03 1527	pam
	2-Butanone (MEK)	ND	U		0.4	10	1.00000	ug/L	20788		08/12/03 1527	pam
	Chloroform	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1527	pam
	1,1,1-Trichloroethane	ND	U		0.3	5	1.00000	ug/L	20788		08/12/03 1527	pam
	Carbon tetrachloride	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1527	pam
	Benzene	ND	U		0.3	5	1.00000	ug/L	20788		08/12/03 1527	pam
	1,2-Dichloroethane	ND	U		0.7	5	1.00000	ug/L	20788		08/12/03 1527	pam
	Trichloroethene	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1527	pam
	1,2-Dichloropropane	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1527	pam
	Bromodichloromethane	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1527	pam
	cis-1,3-Dichloropropene	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1527	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.5	5	1.00000	ug/L	20788		08/12/03 1527	pam
	Toluene	ND	U		0.3	10	1.00000	ug/L	20788		08/12/03 1527	pam
	trans-1,3-Dichloropropene	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1527	pam
	1,1,2-Trichloroethane	ND	U		0.8	5	1.00000	ug/L	20788		08/12/03 1527	pam
	Tetrachloroethene	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1527	pam
	2-Hexanone	ND	U		1	10	1.00000	ug/L	20788		08/12/03 1527	pam

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 204351

Date: 08/15/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Norman Bradley

Customer Sample ID: SAMPLE 4
Date Sampled.....: 08/01/2003
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 204351-4
Date Received.....: 08/04/2003
Time Received.....: 19:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
00000000	Dibromochloromethane	ND	U		0.2	5	1.00000	ug/L	20788		08/12/03 1527	pam
	Chlorobenzene	ND	U		0.2	5	1.00000	ug/L	20788		08/12/03 1527	pam
	Ethylbenzene	ND	U		0.3	5	1.00000	ug/L	20788		08/12/03 1527	pam
	Styrene	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1527	pam
	Bromoform	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1527	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.7	5	1.00000	ug/L	20788		08/12/03 1527	pam
	Xylenes (total)	ND	U		1	5	1.00000	ug/L	20788		08/12/03 1527	pam

* in Description = Dry Wgt.

STL-CT

Volatile Report SW-846 Method 8260B
 Data file : \\TARGET1_CT\Files\chem\VOA\msk.i\K037771.b\K7781.D
 Lab Smp Id: 204351-4 Client Smp ID: SAMPLE 4
 Inj Date : 12-AUG-2003 15:27 MS Autotune Date: 01-JUL-2002 12:47
 Operator : D. HUMBERT Inst ID: msk.i
 Smp Info : 204351-4
 Misc Info : : ;;; SAMPLE 4 ; 8260B ; 1 ; LLW
 Comment :
 Method : \\TARGET1_CT\Files\chem\VOA\msk.i\K037771.b\K8260BFW.m
 Meth Date : 13-Aug-2003 08:50 kelli Quant Type: ISTD
 Cal Date : 11-AUG-2003 10:04 Cal File: K7740.D
 Als bottle: 8
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.10
 Compound Sublist: 8260BAP9.sub

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS	
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
* 1 Fluorobenzene	96		12.161	12.197 (1.000)		1226575	25.0000	
\$ 38 Dibromofluoromethane	111		10.680	10.766 (0.878)		770605	24.3069	24
\$ 52 1,2-Dichloroethane-d4	65		11.534	11.587 (0.948)		743289	27.1385	27
* 70 Chlorobenzene-d5	117		17.595	17.632 (1.000)		933194	25.0000	
\$ 72 Toluene-d8	98		15.122	15.141 (0.659)		1073642	25.4467	25
75 Tetrachloroethene	164		16.097	16.133 (0.915)		16794	1.20509	1
* 89 1,4-Dichlorobenzene-d4	152		20.870	20.871 (1.000)		412535	25.0000	
\$ 116 Bromofluorobenzene	95		19.512	19.530 (0.935)		745509	23.2569	23

00000001

STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\Files\chem\VOA\msk.i\K037771.b\K7781.D
 Lab Smp Id: 204351-4 Client Smp ID: SAMPLE 4
 Inj Date : 12-AUG-2003 15:27 MS Autotune Date: 01-JUL-2002 12:47
 Operator : D. HUMBERT Inst ID: msk.i
 Smp Info : 204351-4
 Misc Info : : ;;; SAMPLE 4 ; 8260B ; 1 ; LLW
 Comment :
 Method : \\TARGET1_CT\Files\chem\VOA\msk.i\K037771.b\K8260BFW.m
 Meth Date : 13-Aug-2003 08:50 kelli Quant Type: ISTD
 Cal Date : 11-AUG-2003 10:04 Cal File: K7740.D
 Als bottle: 8
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.10
 Compound Sublist: 8260BAP9.sub

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE		ON-COLUMN	FINAL
							(ug/L)	(ug/L)
* 1 Fluorobenzene	96	12.161	12.197	(1.000)	1226575		25.0000	
\$ 38 Dibromofluoromethane	111	10.680	10.768	(0.878)	770605		24.3069	24
\$ 52 1,2-Dichloroethane-d4	65	11.534	11.587	(0.948)	743289		27.1385	27
* 70 Chlorobenzene-d5	117	17.595	17.632	(1.000)	933194		25.0000	
\$ 72 Toluene-d8	98	15.122	15.141	(0.859)	1073642		25.4467	25
75 Tetrachloroethene	164	16.097	16.133	(0.915)	16794		1.20509	1
* 89 1,4-Dichlorobenzene-d4	152	20.870	20.871	(1.000)	412539		25.0000	
\$ 116 Bromofluorobenzene	95	19.512	19.530	(0.935)	745509		23.2589	23

0000061

Data File: \\TARGET1\CT\Files\chem\VD09\msk.1\K037771.b\K7781.D

Date : 12-AUG-2003 15:27

Client ID: SAMPLE 4

Sample Info: 204351-4

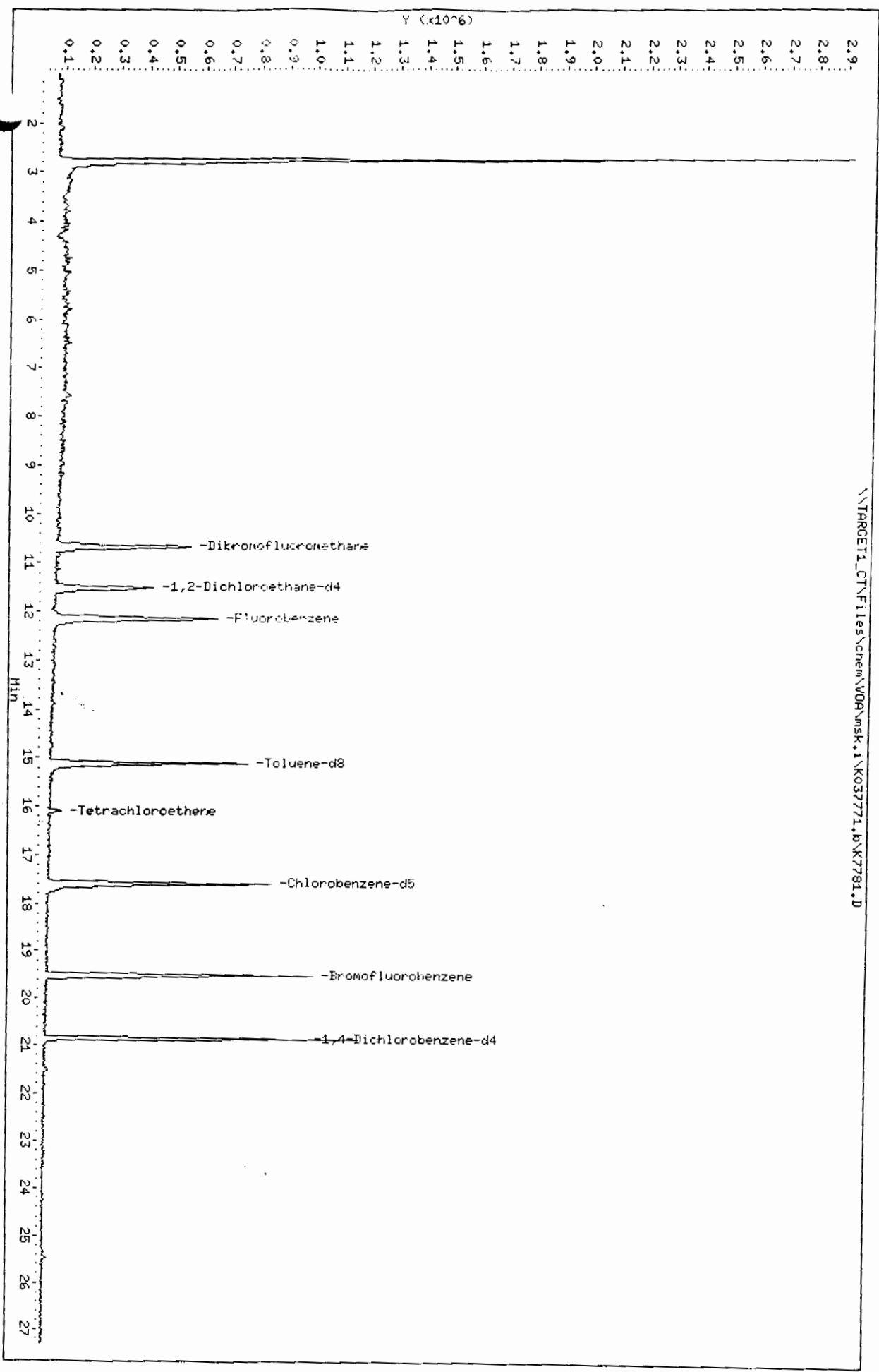
Purge Volume: 5.0

Column phase: DB-624

Instrument: msk.i

Operator: D. HUBERT

Column diameter: 0.53



0000082

Date : 12-AUG-2003 15:27

Client ID: SAMPLE 4

Instrument: msk.i

Sample Info: 204351-4

Purge Volume: 5.0

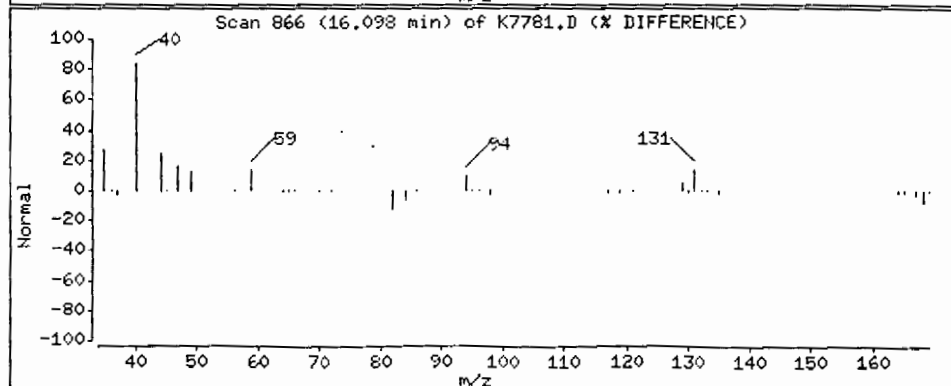
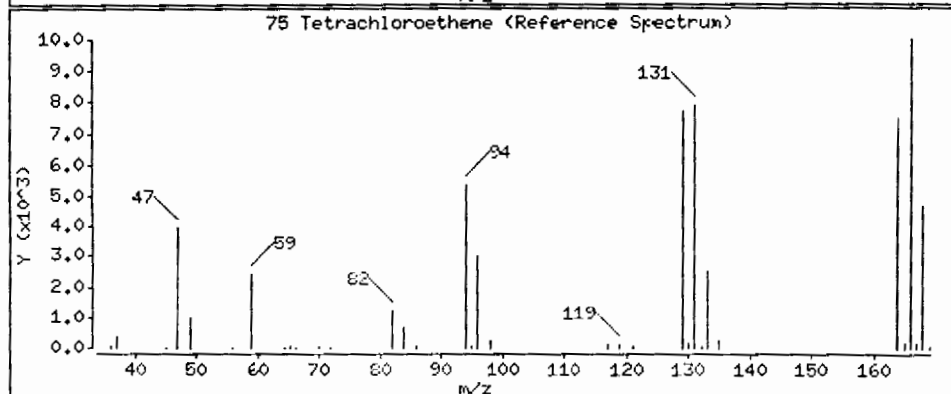
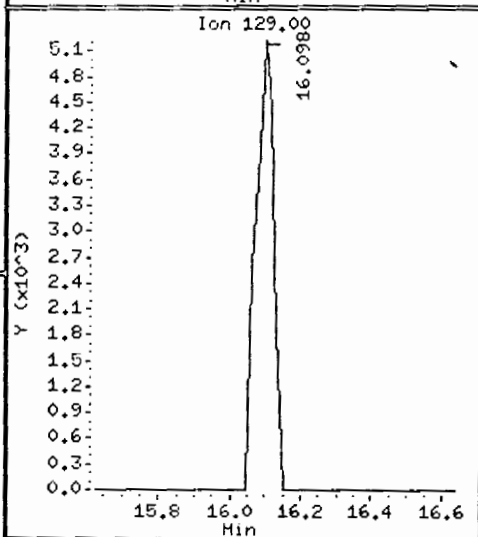
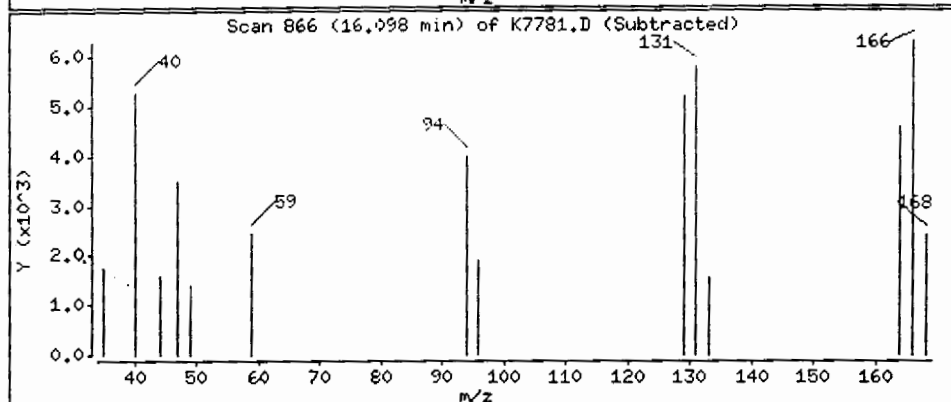
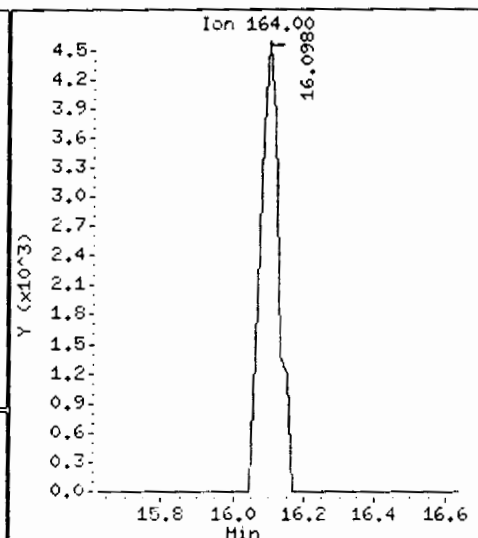
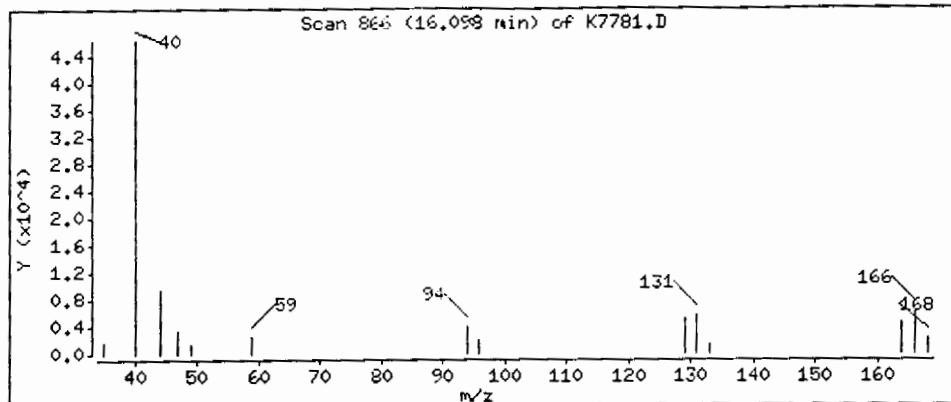
Operator: D. HUMBERT

Column phase: DB-624

Column diameter: 0.53

75 Tetrachloroethene

Concentration: 1 ug/L



0000003

LABORATORY TEST RESULTS												
Job Number: 204351					Date:08/15/2003							
CUSTOMER: Walden Associates					PROJECT: 218 LAKEVILLE ROAD A							
ATTN: Norman Bradley												
Customer Sample ID: SAMPLE 5					Laboratory Sample ID: 204351-5							
Date Sampled.....: 08/01/2003					Date Received.....: 08/04/2003							
Time Sampled.....: 00:00					Time Received.....: 19:40							
Sample Matrix.....: Water												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
00000065	Dibromochloromethane	ND	U		0.2	5	1.00000	ug/L	20788		08/12/03 1601	pam
	Chlorobenzene	ND	U		0.2	5	1.00000	ug/L	20788		08/12/03 1601	pam
	Ethylbenzene	ND	U		0.3	5	1.00000	ug/L	20788		08/12/03 1601	pam
	Styrene	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1601	pam
	Bromoform	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1601	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.7	5	1.00000	ug/L	20788		08/12/03 1601	pam
	Xylenes (total)	ND	U		1	5	1.00000	ug/L	20788		08/12/03 1601	pam

* In Description = Dry Wgt.

STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\\Files\\chem\\VOA\\msk.i\\K037771.b\\K7782.D
 Lab Smp Id: 204351-5 Client Smp ID: SAMPLE 5
 Inj Date : 12-AUG-2003 16:01 MS Autotune Date: 01-JUL-2002 12:47
 Operator : D. HUMBERT Inst ID: msk.i
 Smp Info : 204351-5
 Misc Info : : ;;; SAMPLE 5 ; 8260B ; 1 ; LLW
 Comment :
 Method : \\TARGET1_CT\\Files\\chem\\VOA\\msk.i\\K037771.b\\K8260BFW.m
 Meth Date : 13-Aug-2003 08:50 kelli Quant Type: ISTD
 Cal Date : 11-AUG-2003 10:04 Cal File: K7740.D
 Als bottle: 6
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.10

Ka
8/13/03

Compound Sublist: 8260BAP9.sub

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
* 1 Fluorobenzene	96	12.158	12.197 (1.000)		1251845	25.0000	
\$ 38 Dibromofluoromethane	111	10.695	10.768 (0.880)		781909	24.1656	24
\$ 52 1,2-Dichloroethane-d4	65	11.531	11.587 (0.948)		756341	27.0576	27
* 70 Chlorobenzene-d5	117	17.593	17.632 (1.000)		944464	25.0000	
\$ 72 Toluene-d8	98	15.120	15.141 (0.859)		1070700	25.0742	25
* 89 1,4-Dichlorobenzene-d4	152	20.851	20.871 (1.000)		429219	25.0000	
\$ 116 Bromofluorobenzene	95	19.509	19.530 (0.936)		785573	23.5564	24

00000000

Data File: \\TARGET1\CTF\files\chem\W04\msk.i\K037771.b\K7782.D

Page 5

Date : 12-AUG-2003 16:01

Client ID: SAMPLE 5

Sample Info: 204351-5

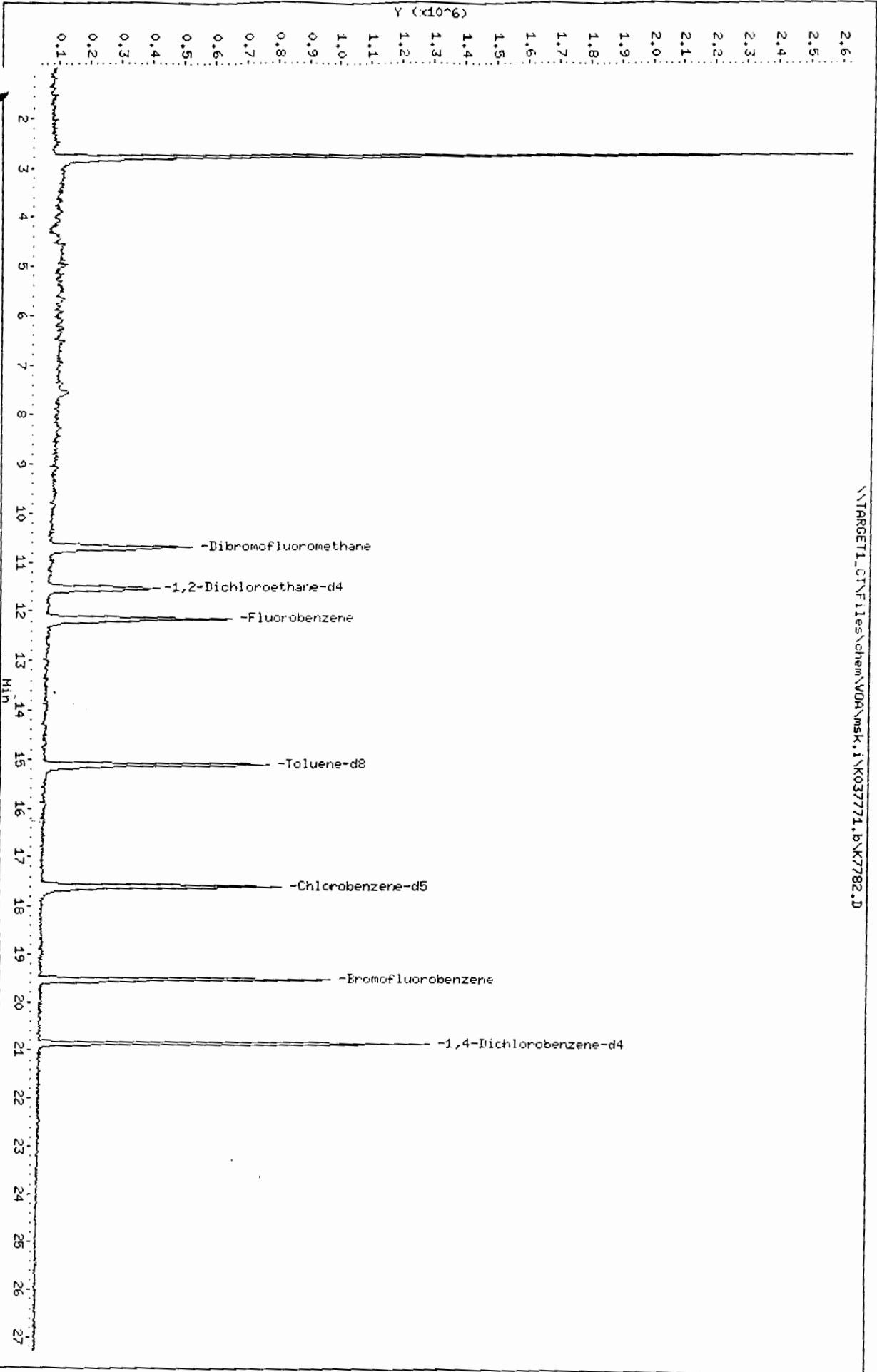
Purge Volume: 5.0

Column phase: DB-624

Instrument: msk.i

Operator: D. HUBERT

Column diameter: 0.53



00000027

LABORATORY TEST RESULTS											
Job Number: 204351						Date:08/15/2003					
CUSTOMER: Walden Associates						PROJECT: 218 LAKEVILLE ROAD A					
Customer Sample ID: SAMPLE 6 Date Sampled.....: 08/01/2003 Time Sampled.....: 00:00 Sample Matrix.....: Water						Laboratory Sample ID: 204351-6 Date Received.....: 08/04/2003 Time Received.....: 19:40 ATTN: Norman Bradley					
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B 000000068	Volatile Organics (5mL Purge)	ND	U	1	5	1.00000	ug/L	20788		08/12/03 1634	pam
	Chloromethane	ND	U	1	5	1.00000	ug/L	20788		08/12/03 1634	pam
	Vinyl chloride	ND	U	3	5	1.00000	ug/L	20788		08/12/03 1634	pam
	Bromomethane	ND	U	0.8	5	1.00000	ug/L	20788		08/12/03 1634	pam
	Chloroethane	ND	U	0.8	5	1.00000	ug/L	20788		08/12/03 1634	pam
	1,1-Dichloroethene	ND	U	0.6	5	1.00000	ug/L	20788		08/12/03 1634	pam
	Carbon disulfide	ND	U	2	10	1.00000	ug/L	20788		08/12/03 1634	pam
	Acetone	ND	U	0.4	5	1.00000	ug/L	20788		08/12/03 1634	pam
	Methylene chloride	ND	U	0.6	5	1.00000	ug/L	20788		08/12/03 1634	pam
	trans-1,2-Dichloroethene	ND	U	0.6	5	1.00000	ug/L	20788		08/12/03 1634	pam
	1,1-Dichloroethane	ND	U	2	5	1.00000	ug/L	20788		08/12/03 1634	pam
	Vinyl acetate	ND	U	0.6	5	1.00000	ug/L	20788		08/12/03 1634	pam
	cis-1,2-Dichloroethene	ND	U	1	10	1.00000	ug/L	20788		08/12/03 1634	pam
	2-Butanone (MEK)	ND	U	0.4	5	1.00000	ug/L	20788		08/12/03 1634	pam
	Chloroform	ND	U	0.4	5	1.00000	ug/L	20788		08/12/03 1634	pam
	1,1,1-Trichloroethane	ND	U	0.4	5	1.00000	ug/L	20788		08/12/03 1634	pam
	Carbon tetrachloride	ND	U	0.3	5	1.00000	ug/L	20788		08/12/03 1634	pam
	Benzene	ND	U	0.4	5	1.00000	ug/L	20788		08/12/03 1634	pam
	1,2-Dichloroethane	ND	U	0.3	5	1.00000	ug/L	20788		08/12/03 1634	pam
	Trichloroethene	ND	U	0.7	5	1.00000	ug/L	20788		08/12/03 1634	pam
	1,2-Dichloropropane	ND	U	0.6	5	1.00000	ug/L	20788		08/12/03 1634	pam
	Bromodichloromethane	ND	U	0.6	5	1.00000	ug/L	20788		08/12/03 1634	pam
	cis-1,3-Dichloropropene	ND	U	0.6	5	1.00000	ug/L	20788		08/12/03 1634	pam
	4-Methyl-2-pentanone (MIBK)	ND	U	0.5	10	1.00000	ug/L	20788		08/12/03 1634	pam
	Toluene	ND	U	0.3	5	1.00000	ug/L	20788		08/12/03 1634	pam
trans-1,3-Dichloropropene	ND	U	0.4	5	1.00000	ug/L	20788		08/12/03 1634	pam	
1,1,2-Trichloroethane	ND	U	0.8	5	1.00000	ug/L	20788		08/12/03 1634	pam	
Tetrachloroethene	ND	U	0.4	5	1.00000	ug/L	20788		08/12/03 1634	pam	
2-Hexanone	ND	U	1	10	1.00000	ug/L	20788		08/12/03 1634	pam	

* In Description = Dry Wgt.

Job Number: 204351

LABORATORY TEST RESULTS

Date: 08/15/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Norman Bradley

Customer Sample ID: SAMPLE 6
Date Sampled.....: 08/01/2003
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 204351-6
Date Received.....: 08/04/2003
Time Received.....: 19:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
00000069	Dibromochloromethane	ND	U		0.2	5	1.00000	ug/L	20788		08/12/03 1634	pam
	Chlorobenzene	ND	U		0.2	5	1.00000	ug/L	20788		08/12/03 1634	pam
	Ethylbenzene	ND	U		0.3	5	1.00000	ug/L	20788		08/12/03 1634	pam
	Styrene	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1634	pam
	Bromoform	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1634	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.7	5	1.00000	ug/L	20788		08/12/03 1634	pam
	Xylenes (total)	ND	U		1	5	1.00000	ug/L	20788		08/12/03 1634	pam

* In Description = Dry Wgt.

STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\Files\chem\VOA\msk.i\K037771.b\K7783.D
 Lab Smp Id: 204351-6 Client Smp ID: SAMPLE 6
 Inj Date : 12-AUG-2003 16:34 MS Autotune Date: 01-JUL-2002 12:47
 Operator : D. HUMBERT Inst ID: msk.i
 Smp Info : 204351-6
 Misc Info : : ;;; SAMPLE 6 ; 8260B ; 1 ; LLW
 Comment :
 Method : \\TARGET1_CT\Files\chem\VOA\msk.i\K037771.b\K8260BFW.m
 Meth Date : 13-Aug-2003 08:50 kelli Quant Type: ISTD
 Cal Date : 11-AUG-2003 10:04 Cal File: K7740.D
 Als bottle: 7
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.10

Compound Sublist: 8260BAP9.sub

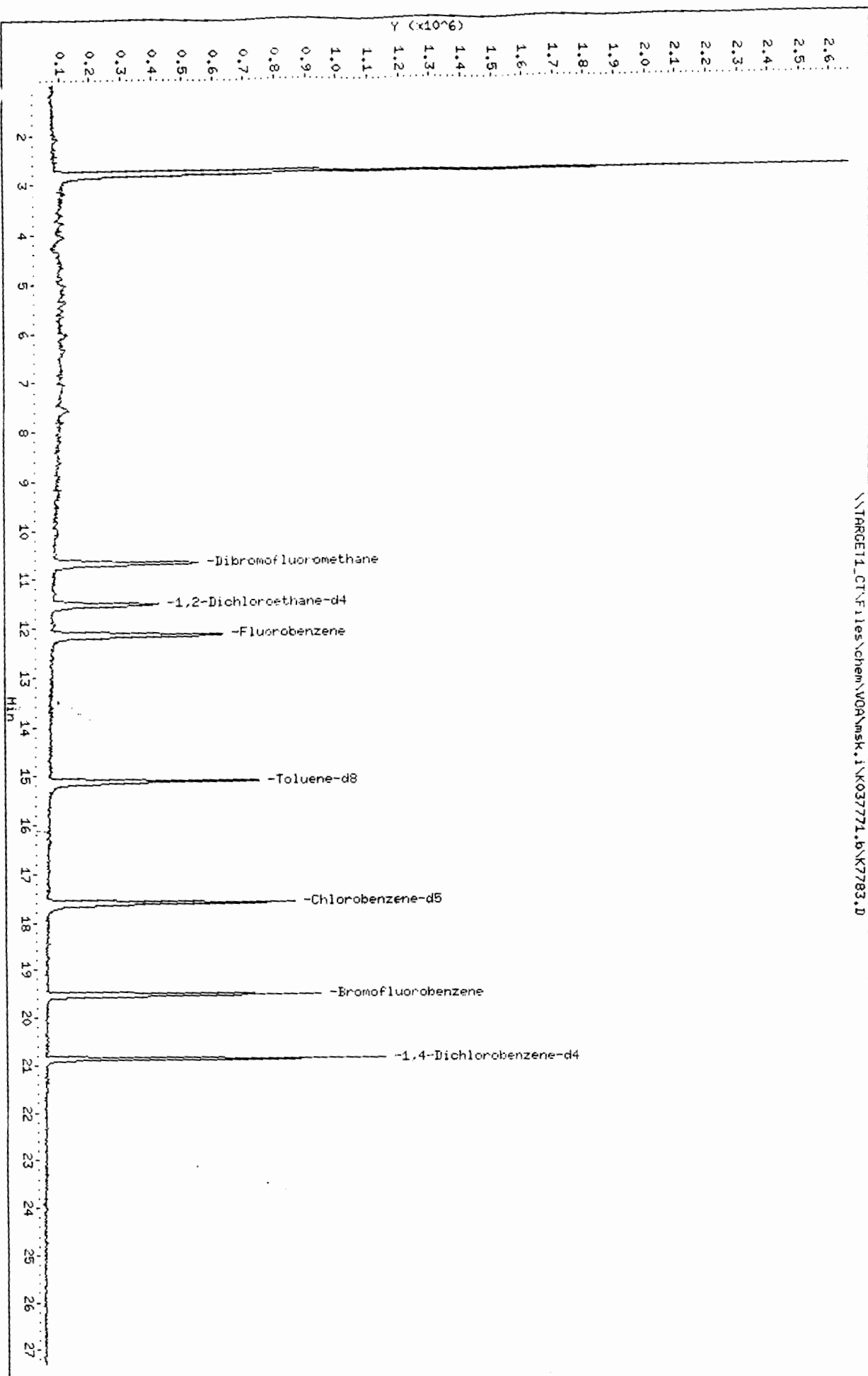
Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS	
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
=====	=====	=====	=====	=====	=====	=====	=====	
* 1 Fluorobenzene	96	12.144	12.197	(1.000)	1213324	25.0000		
\$ 38 Dibromofluoromethane	111	10.681	10.768	(0.880)	788105	25.1304	25	
\$ 52 1,2-Dichloroethane-d4	65	11.535	11.587	(0.950)	732337	27.0307	27	
* 70 Chlorobenzene-d5	117	17.597	17.632	(1.000)	933275	25.0000		
\$ 72 Toluene-d8	98	15.123	15.141	(0.859)	1081003	25.6190	26	
* 89 1,4-Dichlorobenzene-d4	152	20.871	20.871	(1.000)	405772	25.0000		
\$ 116 Bromofluorobenzene	95	19.513	19.530	(0.935)	738575	23.4269	23	

Data File: \\TARGET11\CT\Files\chem\VOA\msk.1\K037771.b\K7783.D
Date : 12-AUG-2003 16:34
Client ID: SAMPLE 6
Sample Info: 204351-6
Purge Volume: 5.0
Column phase: DB-624

Instrument: msk.1
Operator: D. HUBERT
Column diameter: 0.53



0000071

LABORATORY TEST RESULTS

Job Number: 204351

Date: 08/15/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Norman Bradley

Customer Sample ID: SAMPLE 7
Date Sampled.....: 08/01/2003
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 204351-7
Date Received.....: 08/04/2003
Time Received.....: 19:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
82608	Volatile Organics (5mL Purge)	ND										
	Chloromethane	ND	U		1	5	1.00000	ug/L	20788		08/12/03 1707	pam
	Vinyl chloride	ND	U		1	5	1.00000	ug/L	20788		08/12/03 1707	pam
	Bromomethane	ND	U		3	5	1.00000	ug/L	20788		08/12/03 1707	pam
	Chloroethane	ND	U		0.8	5	1.00000	ug/L	20788		08/12/03 1707	pam
	1,1-Dichloroethene	ND	U		0.8	5	1.00000	ug/L	20788		08/12/03 1707	pam
	Carbon disulfide	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1707	pam
	Acetone	ND	U		2	10	1.00000	ug/L	20788		08/12/03 1707	pam
	Methylene chloride	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1707	pam
	trans-1,2-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1707	pam
	1,1-Dichloroethane	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1707	pam
	Vinyl acetate	ND	U		2	5	1.00000	ug/L	20788		08/12/03 1707	pam
	cis-1,2-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1707	pam
	2-Butanone (MEK)	ND	U		1	10	1.00000	ug/L	20788		08/12/03 1707	pam
	Chloroform	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1707	pam
	1,1,1-Trichloroethane	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1707	pam
	Carbon tetrachloride	ND	U		0.3	5	1.00000	ug/L	20788		08/12/03 1707	pam
	Benzene	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1707	pam
	1,2-Dichloroethane	ND	U		0.3	5	1.00000	ug/L	20788		08/12/03 1707	pam
	Trichloroethene	ND	U		0.7	5	1.00000	ug/L	20788		08/12/03 1707	pam
	1,2-Dichloropropane	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1707	pam
	Bromodichloromethane	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1707	pam
	cis-1,3-Dichloropropene	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1707	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1707	pam
	Toluene	ND	U		0.5	10	1.00000	ug/L	20788		08/12/03 1707	pam
	trans-1,3-Dichloropropene	ND	U		0.3	5	1.00000	ug/L	20788		08/12/03 1707	pam
	1,1,2-Trichloroethane	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1707	pam
	Tetrachloroethene	ND	U		0.8	5	1.00000	ug/L	20788		08/12/03 1707	pam
	2-Hexanone	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1707	pam
		ND	U		1	10	1.00000	ug/L	20788		08/12/03 1707	pam

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 204351

Date: 08/15/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Norman Bradley

Customer Sample ID: SAMPLE 7
Date Sampled.....: 08/01/2003
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 204351-7
Date Received.....: 08/04/2003
Time Received.....: 19:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MOL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
00000073	Dibromochloromethane	ND	U		0.2	5	1.00000	ug/L	20788		08/12/03 1707	pam
	Chlorobenzene	ND	U		0.2	5	1.00000	ug/L	20788		08/12/03 1707	pam
	Ethylbenzene	ND	U		0.3	5	1.00000	ug/L	20788		08/12/03 1707	pam
	Styrene	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1707	pam
	Bromoform	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1707	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.7	5	1.00000	ug/L	20788		08/12/03 1707	pam
	Xylenes (total)	ND	U		1	5	1.00000	ug/L	20788		08/12/03 1707	pam

* In Description = Dry Wgt.

STL-CT

Volatile Report SW-846 Method 8260B
 Data file : \\TARGET1_CT\Files\chem\VOA\msk.i\K037771.b\K7784.D
 Lab Smp Id: 204351-7 Client Smp ID: SAMPLE 7
 Inj Date : 12-AUG-2003 17:07 MS Autotune Date: 01-JUL-2002 12:47
 Operator : D. HUMBERT Inst ID: msk.i
 Smp Info : 204351-7
 Misc Info : : ;;; SAMPLE 7 ; 8260B ; 1 ; LLW
 Comment :
 Method : \\TARGET1_CT\Files\chem\VOA\msk.i\K037771.b\K8260BFW.m
 Meth Date : 13-Aug-2003 08:50 kelli Quant Type: ISTD
 Cal Date : 11-AUG-2003 10:04 Cal File: K7740.D
 Als bottle: 8
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.10
 Compound Sublist: 8260BAP9.sub

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

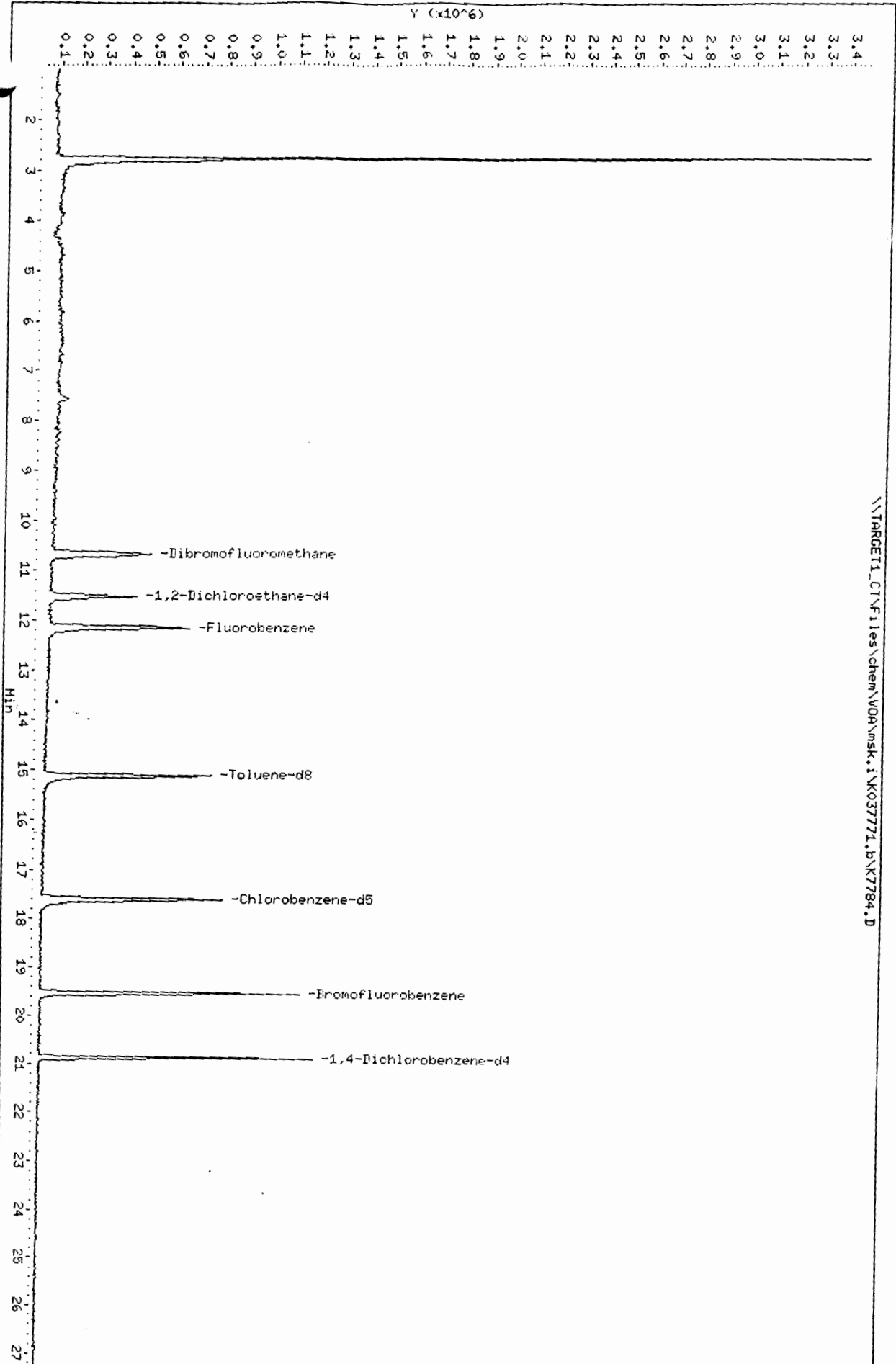
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG				CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)
* 1 Fluorobenzene	96	12.156	12.197	(1.000)	1211966	25.0000
\$ 38 Dibromofluoromethane	111	10.676	10.768	(0.878)	743243	23.7265
\$ 52 1,2-Dichloroethane-d4	65	11.529	11.587	(0.948)	734883	27.1550
* 70 Chlorobenzene-d5	117	17.591	17.632	(1.000)	914321	25.0000
\$ 72 Toluene-d8	98	15.118	15.141	(0.859)	1052667	25.4646
* 89 1,4-Dichlorobenzene-d4	152	20.866	20.871	(1.000)	384948	25.0000
\$ 116 Bromofluorobenzene	95	19.525	19.530	(0.936)	812862	27.1779

Data File: \\TARGET1_CT\Files\chem\VOA\msk.1\K037771.b\K7784.D
Date: 12-AUG-2003 17:07

Client ID: SAMPLE 7
Sample Info: 204351-7
Purge Volume: 5.0
Column phase: DB-624

Instrument: msk.1
Operator: D. HUBERT
Column diameter: 0.53



0000075

LABORATORY TEST RESULTS												
Job Number: 204351						Date:08/15/2003						
CUSTOMER: Walden Associates						PROJECT: 218 LAKEVILLE ROAD A						
Customer Sample ID: SAMPLE 8 Date Sampled.....: 08/01/2003 Time Sampled.....: 00:00 Sample Matrix.....: Water						Laboratory Sample ID: 204351-8 Date Received.....: 08/04/2003 Time Received.....: 19:40 ATTN: Norman Bradley						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
82608 00000076	Volatile Organics (5mL Purge)	ND	U		1	5	1.00000	ug/L	20788		08/12/03 1741	pam
	Chloromethane	ND	U		1	5	1.00000	ug/L	20788		08/12/03 1741	pam
	Vinyl chloride	ND	U		3	5	1.00000	ug/L	20788		08/12/03 1741	pam
	Bromomethane	ND	U		0.8	5	1.00000	ug/L	20788		08/12/03 1741	pam
	Chloroethane	ND	U		0.8	5	1.00000	ug/L	20788		08/12/03 1741	pam
	1,1-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1741	pam
	Carbon disulfide	ND	U		2	10	1.00000	ug/L	20788		08/12/03 1741	pam
	Acetone	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1741	pam
	Methylene chloride	ND	U	B	0.6	5	1.00000	ug/L	20788		08/12/03 1741	pam
	trans-1,2-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1741	pam
	1,1-Dichloroethane	ND	U		2	5	1.00000	ug/L	20788		08/12/03 1741	pam
	Vinyl acetate	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1741	pam
	cis-1,2-Dichloroethene	ND	U		1	10	1.00000	ug/L	20788		08/12/03 1741	pam
	2-Butanone (MEK)	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1741	pam
	Chloroform	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1741	pam
	1,1,1-Trichloroethane	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1741	pam
	Carbon tetrachloride	ND	U		0.3	5	1.00000	ug/L	20788		08/12/03 1741	pam
	Benzene	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1741	pam
	1,2-Dichloroethane	ND	U		0.3	5	1.00000	ug/L	20788		08/12/03 1741	pam
	Trichloroethene	ND	U		0.7	5	1.00000	ug/L	20788		08/12/03 1741	pam
	1,2-Dichloropropane	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1741	pam
	Bromodichloromethane	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1741	pam
	cis-1,3-Dichloropropene	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1741	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.5	10	1.00000	ug/L	20788		08/12/03 1741	pam
	Toluene	ND	U		0.3	5	1.00000	ug/L	20788		08/12/03 1741	pam
	trans-1,3-Dichloropropene	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1741	pam
	1,1,2-Trichloroethane	ND	U		0.8	5	1.00000	ug/L	20788		08/12/03 1741	pam
	Tetrachloroethene	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1741	pam
	2-Hexanone	ND	U		1	10	1.00000	ug/L	20788		08/12/03 1741	pam

* In Description = Dry Wgt.

Job Number: 204351

LABORATORY TEST RESULTS

Date: 08/15/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Norman Bradley

Customer Sample ID: SAMPLE 8

Date Sampled.....: 08/01/2003

Time Sampled.....: 00:00

Sample Matrix.....: Water

Laboratory Sample ID: 204351-8

Date Received.....: 08/04/2003

Time Received.....: 19:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	QI FLAGS	MDL	RL	DILUTION	UNITS	BATCH	IDT	DATE/TIME	TECH
1	Dibromochloromethane	ND	U	0.2	5	1.00000	ug/l	20788		08/12/03 1741	pam
2	Chlorobenzene	ND	U	0.2	5	1.00000	ug/l	20788		08/12/03 1741	pam
3	Ethylbenzene	ND	U	0.3	5	1.00000	ug/l	20788		08/12/03 1741	pam
4	Styrene	ND	U	0.4	5	1.00000	ug/l	20788		08/12/03 1741	pam
5	Bromoform	ND	U	0.4	5	1.00000	ug/l	20788		08/12/03 1741	pam
6	1,1,2,2-Tetrachloroethane	ND	U	0.7	5	1.00000	ug/l	20788		08/12/03 1741	pam
7	Xylenes (total)	ND	U	1	5	1.00000	ug/l	20788		08/12/03 1741	pam

* In Description 1.5 ug/L

STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\Files\chem\VOA\msk.i\K037771.b\K7785.D
Lab Smp Id: 204351-8 Client Smp ID: SAMPLE 8
Inj Date : 12-AUG-2003 17:41 MS Autotune Date: 01-JUL-2002 12:47
Operator : D. HUMBERT Inst ID: msk.i
Smp Info : 204351-8
Misc Info : : ;;; SAMPLE 8 ; 8260B ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\Files\chem\VOA\msk.i\K037771.b\K8260BFW.m
Meth Date : 13-Aug-2003 08:50 kelli Quant Type: ISTD
Cal Date : 11-AUG-2003 10:04 Cal File: K7740.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.10

Compound Sublist: 8260BAP9.sub

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8/13/03

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	NAME	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-TOUR	FINAL
						ug/L	ug/L
* 1 Fluorobenzene	98	12.160	12.137 (1.000)		1240433	25.0000	
\$ 38 Dibromofluoromethane	111	10.697	10.768 (0.890)		834930	26.0417	26
\$ 52 1,2-Dichloroethane-d4	65	11.533	11.567 (0.948)		783116	28.2732	28
* 70 Chlorobenzene-d5	117	17.612	17.632 (1.000)		939953	25.0000	
\$ 72 Toluene-d8	98	15.121	15.141 (0.859)		1118259	26.3138	26
* 89 1,4-Dichlorobenzene-d4	152	20.870	20.871 (1.000)		428083	25.0000	
\$ 116 Bromofluorobenzene	98	19.528	19.530 (0.936)		796768	22.9455	24

Date : 12-AUG-2003 17:41

Client ID: SAMPLE 8

Sample Info: 204351-8

Purge Volume: 5.0

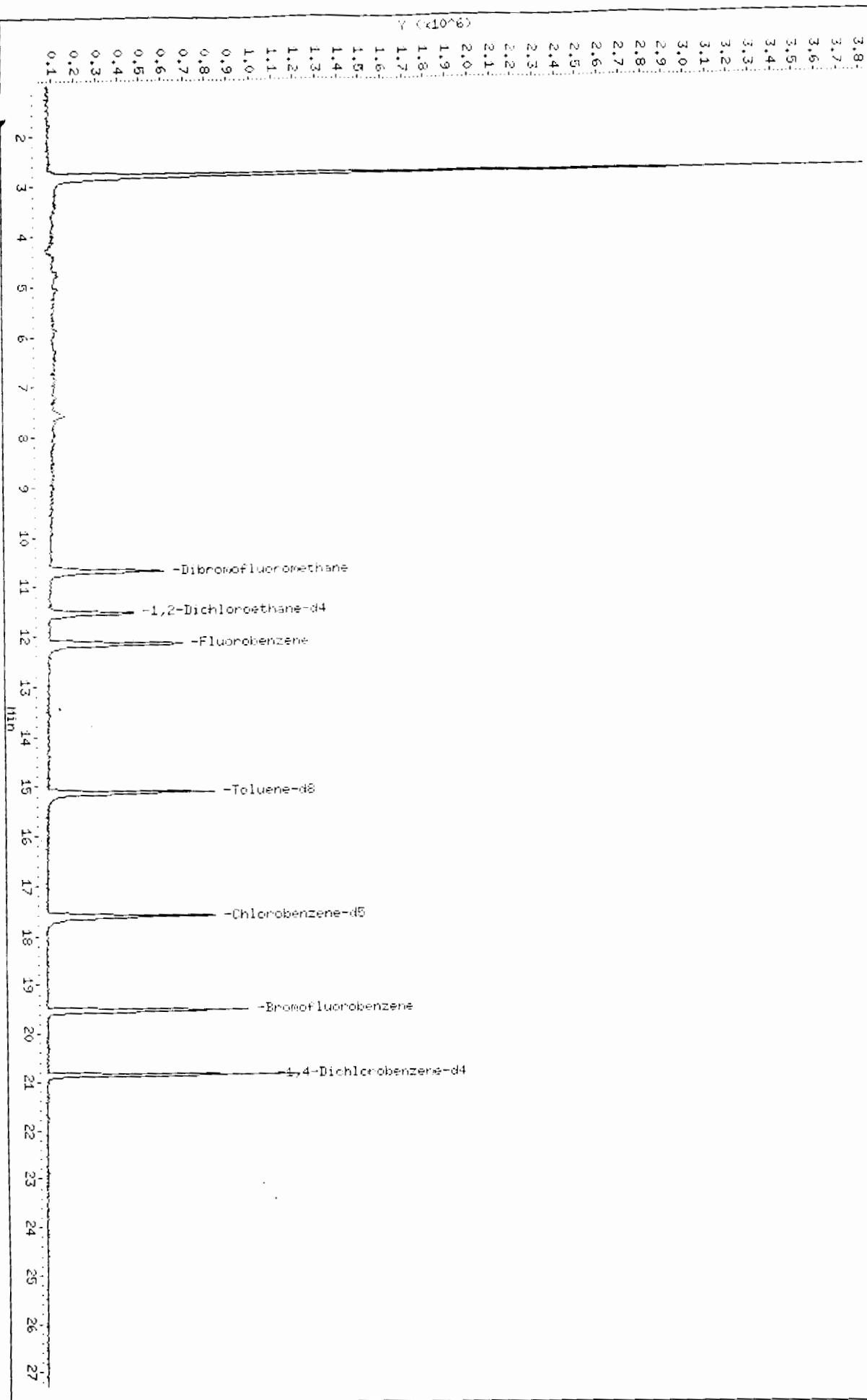
Column phase: DB-624

Instrument: msk.1

Operator: D. HUBERT

Column diameter: 0.53

\\NARGEL1\CTVFiles\chem\W06\msk.i\K037771.b\K7785.D



0000079

LABORATORY TEST RESULTS												
Job Number: 204351			Date:08/15/2003									
CUSTOMER: Walden Associates			PROJECT: 218 LAKEVILLE ROAD A									
Customer Sample ID: SAMPLE 9			ATTN: Norman Bradley									
Date Sampled.....: 08/01/2003			Laboratory Sample ID: 204351-9									
Time Sampled.....: 00:00			Date Received.....: 08/04/2003									
Sample Matrix.....: Water			Time Received.....: 19:40									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
82608 00000080	Volatile Organics (5mL Purge)	ND	U		1	5	1.00000	ug/L	20788		08/12/03 1814	pam
	Chloromethane	ND	U		1	5	1.00000	ug/L	20788		08/12/03 1814	pam
	Vinyl chloride	ND	U		3	5	1.00000	ug/L	20788		08/12/03 1814	pam
	Bromomethane	ND	U		0.8	5	1.00000	ug/L	20788		08/12/03 1814	pam
	Chloroethane	ND	U		0.8	5	1.00000	ug/L	20788		08/12/03 1814	pam
	1,1-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1814	pam
	Carbon disulfide	ND	U		2	10	1.00000	ug/L	20788		08/12/03 1814	pam
	Acetone	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1814	pam
	Methylene chloride	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1814	pam
	trans-1,2-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1814	pam
	1,1-Dichloroethane	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1814	pam
	Vinyl acetate	ND	U		2	5	1.00000	ug/L	20788		08/12/03 1814	pam
	cis-1,2-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1814	pam
	2-Butanone (MEK)	ND	U		1	10	1.00000	ug/L	20788		08/12/03 1814	pam
	Chloroform	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1814	pam
	1,1,1-Trichloroethane	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1814	pam
	Carbon tetrachloride	ND	U		0.3	5	1.00000	ug/L	20788		08/12/03 1814	pam
	Benzene	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1814	pam
	1,2-Dichloroethane	ND	U		0.3	5	1.00000	ug/L	20788		08/12/03 1814	pam
	Trichloroethene	ND	U		0.7	5	1.00000	ug/L	20788		08/12/03 1814	pam
	1,2-Dichloropropane	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1814	pam
	Bromodichloromethane	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1814	pam
	cis-1,3-Dichloropropene	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1814	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.6	5	1.00000	ug/L	20788		08/12/03 1814	pam
	Toluene	ND	U		0.5	10	1.00000	ug/L	20788		08/12/03 1814	pam
	trans-1,3-Dichloropropene	ND	U		0.3	5	1.00000	ug/L	20788		08/12/03 1814	pam
	1,1,2-Trichloroethane	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1814	pam
	Tetrachloroethene	ND	U		0.8	5	1.00000	ug/L	20788		08/12/03 1814	pam
	2-Hexanone	ND	J		0.4	5	1.00000	ug/L	20788		08/12/03 1814	pam
		ND	U		1	10	1.00000	ug/L	20788		08/12/03 1814	pam

* In Description = Dry Wgt.

Job Number: 204351

LABORATORY TEST RESULTS

Date: 08/15/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Norman Bradley

Customer Sample ID: SAMPLE 9
Date Sampled.....: 08/01/2003
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 204351-9
Date Received.....: 08/04/2003
Time Received.....: 19:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
00000081	Dibromochloromethane	ND	U		0.2	5	1.00000	ug/L	20788		08/12/03 1814	pam
	Chlorobenzene	ND	U		0.2	5	1.00000	ug/L	20788		08/12/03 1814	pam
	Ethylbenzene	ND	U		0.3	5	1.00000	ug/L	20788		08/12/03 1814	pam
	Styrene	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1814	pam
	Bromoform	ND	U		0.4	5	1.00000	ug/L	20788		08/12/03 1814	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.7	5	1.00000	ug/L	20788		08/12/03 1814	pam
	Xylenes (total)	ND	U		1	5	1.00000	ug/L	20788		08/12/03 1814	pam

* In Description = Dry Wgt.

Page 19

STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\\Files\\chem\\VOA\\msk.i\\K037771.b\\K7786.D
Lab Smp Id: 204351-9 Client Smp ID: SAMPLE 9
Inj Date : 12-AUG-2003 18:14 MS Autotune Date: 01-JUL-2002 12:47
Operator : D. HUMBERT Inst ID: msk.i
Smp Info : 204351-9
Misc Info : : ;;; SAMPLE 9 ; 8260B ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\\Files\\chem\\VOA\\msk.i\\K037771.b\\K8260BFW.m
Meth Date : 13-Aug-2003 08:50 kelli Quant Type: ISTD
Cal Date : 11-AUG-2003 10:04 Cal File: K7740.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.10
Compound Sublist: 8260BAP9.sub

ka
8/13/03

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT STD				CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	ON-COLUMN	FINAL
					ug/L	ug/L
* 1 Fluorobenzene	96	12.139	12.197 (1.000)	1262420	25.0000	
\$ 38 Dibromofluoromethane	111	10.676	10.768 (0.879)	769412	23.5802	24
\$ 52 1,2-Dichloroethane-d4	65	11.529	11.587 (0.950)	757159	26.8500	27
* 70 Chlorobenzene-d5	117	17.609	17.632 (1.000)	902440	25.0000	
\$ 72 Toluene-d8	99	15.118	15.141 (0.859)	1075424	26.3576	26
75 Tetrachloroethene	164	16.111	16.132 (0.915)	19083	1.41601	1
* 89 1,4-Dichlorobenzene-d4	152	20.866	20.871 (1.000)	409741	25.0000	
\$ 116 Bromofluorobenzene	95	19.525	19.530 (0.936)	717712	22.5445	23

Date : 12-AUG-2003 18:14

Client ID: SAMPLE 9

Instrument: msk.i

Sample Info: 204351-9

Purge Volume: 5.0

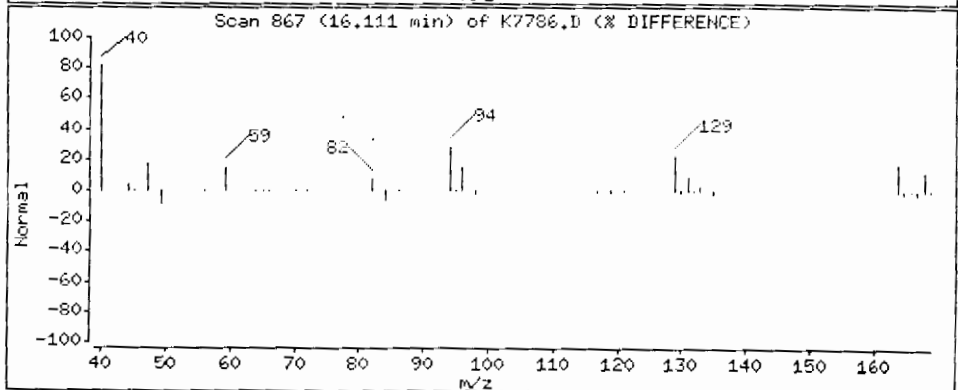
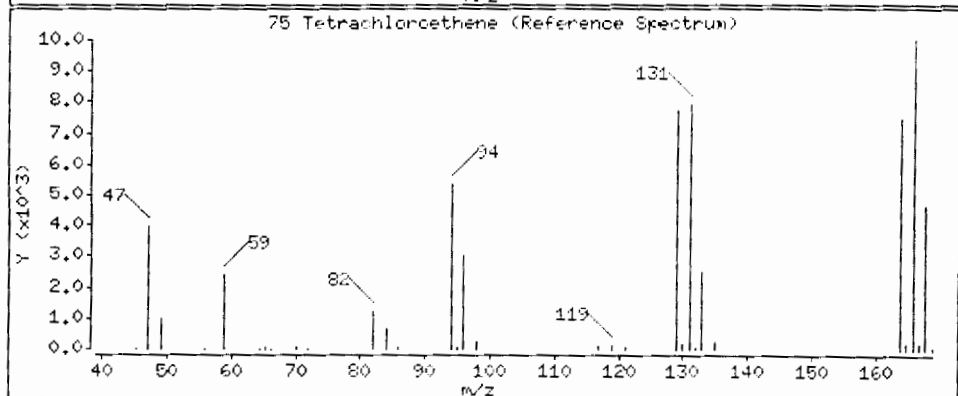
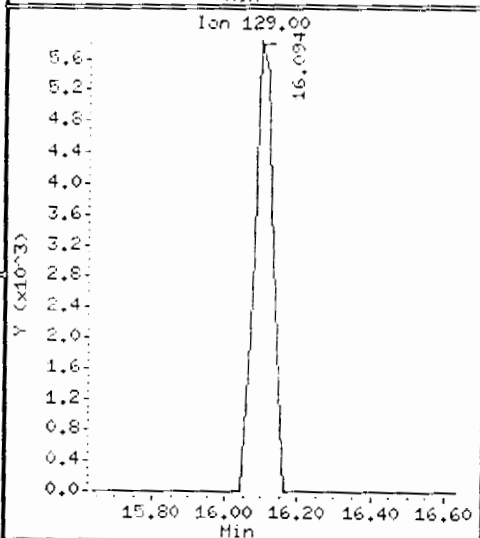
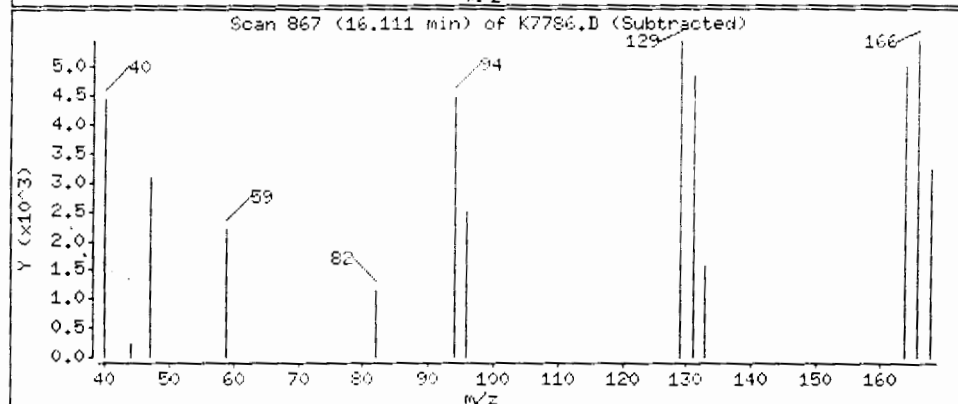
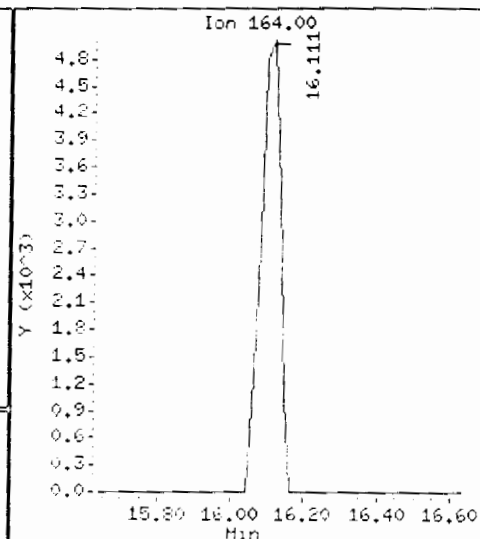
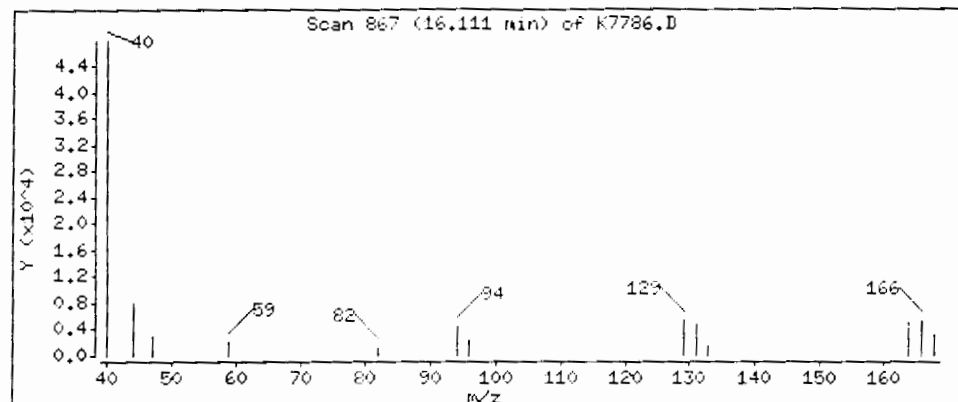
Operator: D. HUMBERT

Column phase: DB-624

Column diameter: 0.53

75 Tetrachloroethene

Concentration: 1 ug/L

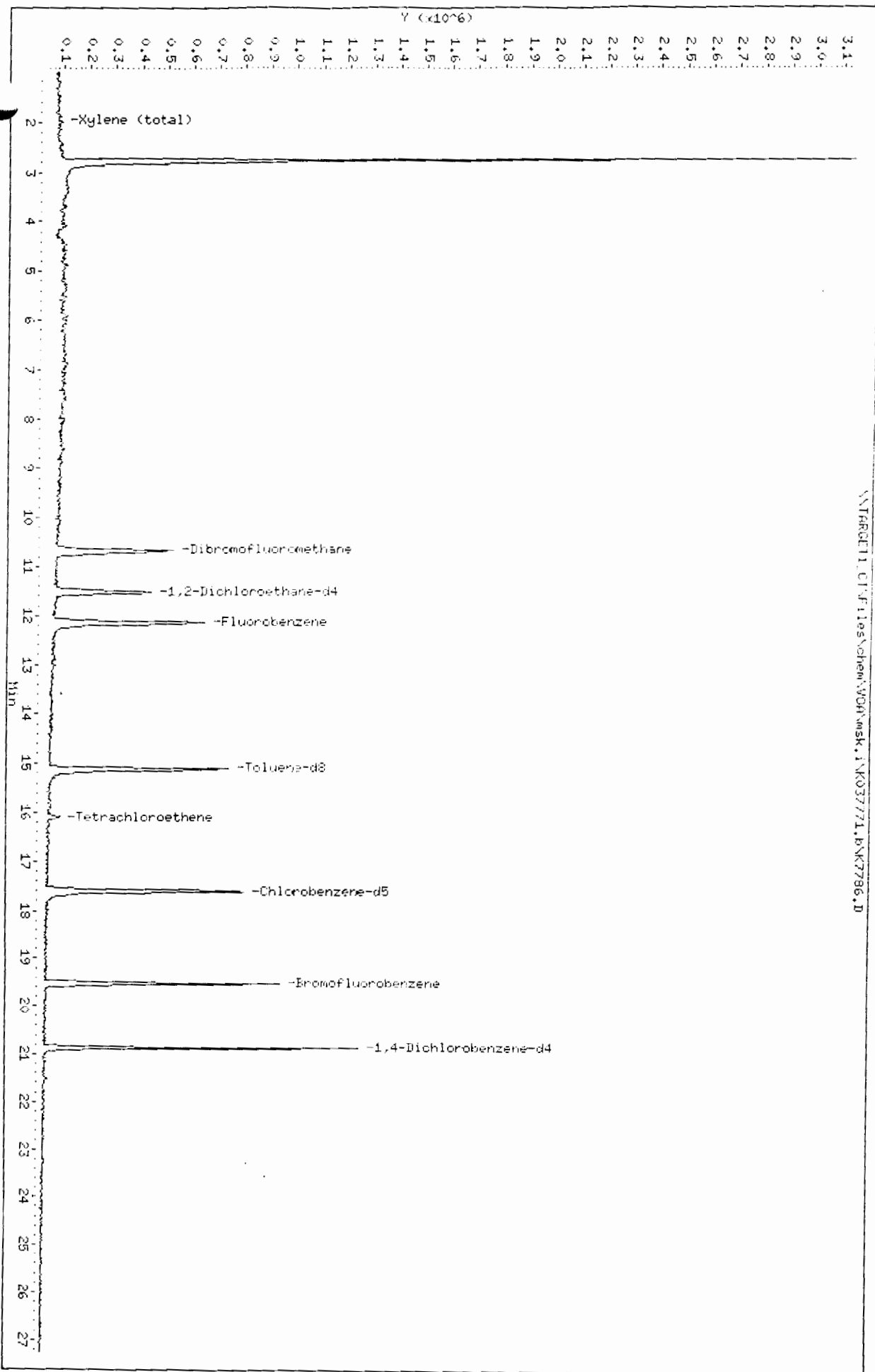


0000004

Data File: NTARGET11.CTNFiles\chem\NDA\msk.1\K037771.b\K7786.D
Date : 12-AUG-2003 18:14

Client ID: SAMPLE 9
Sample Info: 204351-9
Purge Volume: 5.0
Column phase: DB-624

Instrument: msk.1
Operator: J. HUBERT
Column diameter: 0.53



LABORATORY TEST RESULTS

Job Number: 204351

Date: 08/15/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Norman Bradley

Customer Sample ID: SAMPLE 10
Date Sampled.....: 08/01/2003
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 204351-10
Date Received.....: 08/04/2003
Time Received.....: 19:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
82608	Volatile Organics (5mL Purge)	ND	U		1	5	1.00000	ug/L	20788		08/13/03 1448	pam
	Chloromethane	ND	U		1	5	1.00000	ug/L	20788		08/13/03 1448	pam
	Vinyl chloride	ND	U		3	5	1.00000	ug/L	20788		08/13/03 1448	pam
	Bromomethane	ND	U		0.8	5	1.00000	ug/L	20788		08/13/03 1448	pam
	Chloroethane	ND	U		0.8	5	1.00000	ug/L	20788		08/13/03 1448	pam
	1,1-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	20788		08/13/03 1448	pam
	Carbon disulfide	ND	U		2	10	1.00000	ug/L	20788		08/13/03 1448	pam
	Acetone	ND	U		0.4	5	1.00000	ug/L	20788		08/13/03 1448	pam
	Methylene chloride	ND	U	B	0.6	5	1.00000	ug/L	20788		08/13/03 1448	pam
	trans-1,2-Dichloroethene	ND	U		0.6	5	1.00000	ug/L	20788		08/13/03 1448	pam
	1,1-Dichloroethane	ND	U		2	5	1.00000	ug/L	20788		08/13/03 1448	pam
	Vinyl acetate	ND	U		0.6	5	1.00000	ug/L	20788		08/13/03 1448	pam
	cis-1,2-Dichloroethene	ND	U		1	10	1.00000	ug/L	20788		08/13/03 1448	pam
	2-Butanone (MEK)	ND	U		0.4	5	1.00000	ug/L	20788		08/13/03 1448	pam
	Chloroform	ND	U		0.4	5	1.00000	ug/L	20788		08/13/03 1448	pam
	1,1,1-Trichloroethane	ND	U		0.3	5	1.00000	ug/L	20788		08/13/03 1448	pam
	Carbon tetrachloride	ND	U		0.4	5	1.00000	ug/L	20788		08/13/03 1448	pam
	Benzene	ND	U		0.3	5	1.00000	ug/L	20788		08/13/03 1448	pam
	1,2-Dichloroethane	ND	U		0.7	5	1.00000	ug/L	20788		08/13/03 1448	pam
	Trichloroethene	ND	U		0.6	5	1.00000	ug/L	20788		08/13/03 1448	pam
	1,2-Dichloropropane	ND	U		0.6	5	1.00000	ug/L	20788		08/13/03 1448	pam
	Bromodichloromethane	ND	U		0.6	5	1.00000	ug/L	20788		08/13/03 1448	pam
	cis-1,3-Dichloropropene	ND	U		0.5	10	1.00000	ug/L	20788		08/13/03 1448	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.3	5	1.00000	ug/L	20788		08/13/03 1448	pam
	Toluene	ND	U		0.4	5	1.00000	ug/L	20788		08/13/03 1448	pam
	trans-1,3-Dichloropropene	ND	U		0.8	5	1.00000	ug/L	20788		08/13/03 1448	pam
	1,1,2-Trichloroethane	ND	U		0.4	5	1.00000	ug/L	20788		08/13/03 1448	pam
	Tetrachloroethene	ND	U		0.4	5	1.00000	ug/L	20788		08/13/03 1448	pam
	2-Hexanone	ND	U		1	10	1.00000	ug/L	20788		08/13/03 1448	pam

* In Description = Dry Wgt.

L A B O R A T O R Y T E S T R E S U L T S

Job Number: 204351

Date: 08/15/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Norman Bradley

Customer Sample ID: SAMPLE 10
Date Sampled.....: 08/01/2003
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 204351-10
Date Received.....: 08/04/2003
Time Received.....: 19:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
0000086	Dibromochloromethane	ND	U	0.2	5	1.00000	ug/L	20788		08/13/03 1448	pam
	Chlorobenzene	ND	U	0.2	5	1.00000	ug/L	20788		08/13/03 1448	pam
	Ethylbenzene	ND	U	0.3	5	1.00000	ug/L	20788		08/13/03 1448	pam
	Styrene	ND	U	0.4	5	1.00000	ug/L	20788		08/13/03 1448	pam
	Bromoform	ND	U	0.4	5	1.00000	ug/L	20788		08/13/03 1448	pam
	1,1,2,2-Tetrachloroethane	ND	U	0.7	5	1.00000	ug/L	20788		08/13/03 1448	pam
	Xylenes (total)	ND	U	1	5	1.00000	ug/L	20788		08/13/03 1448	pam

* In Description = Dry Wgt.

STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\Files\chem\VOA\msk.i\K037798.b\K7807.D
Lab Smp Id: 204351-10 Client Smp ID: SAMPLE 10
Inj Date : 13-AUG-2003 14:48 MS Autotune Date: 01-JUL-2002 12:47
Operator : D. HUMBERT Inst ID: msk.i
Smp Info : 204351-10
Misc Info : : ;;; SAMPLE 10 ; 8260B ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\Files\chem\VOA\msk.i\K037798.b\K8260BFW.m
Meth Date : 15-Aug-2003 10:45 kelli Quant Type: ISTD
Cal Date : 11-AUG-2003 10:04 Cal File: K7740.D
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260BAP9.sub
Target Version: 4.10

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

5/15/03

Compounds	MASS					CONCENTRATIONS	
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL
						ug/L	ug/L
* 1 Fluorobenzene	96	12.133	10.174	(1.000)	1128681	28.0000	
\$ 20 Methyl tert-Butyl Ether	74	7.575	7.612	(0.624)	62675	1.90680	1
\$ 38 Dibromofluoromethane	111	10.693	10.713	(0.881)	678779	23.2675	23
\$ 52 1,2-Dichloroethane-d4	65	11.512	11.549	(0.948)	738583	29.3056	29
* 70 Chlorobenzene-d5	117	17.591	17.611	(1.000)	847867	25.0000	
\$ 72 Toluene-d8	98	15.100	15.137	(0.952)	1039003	27.1040	27
* 89 1,4-Dichlorobenzene-d4	152	20.849	20.865	(1.000)	363956	25.0000	
\$ 116 Bromofluorobenzene	96	19.507	19.527	(0.935)	671751	23.7553	24

0000087

Date : 13-AUG-2003 14:48

Client ID: SAMPLE 10

Sample Info: 204351-10

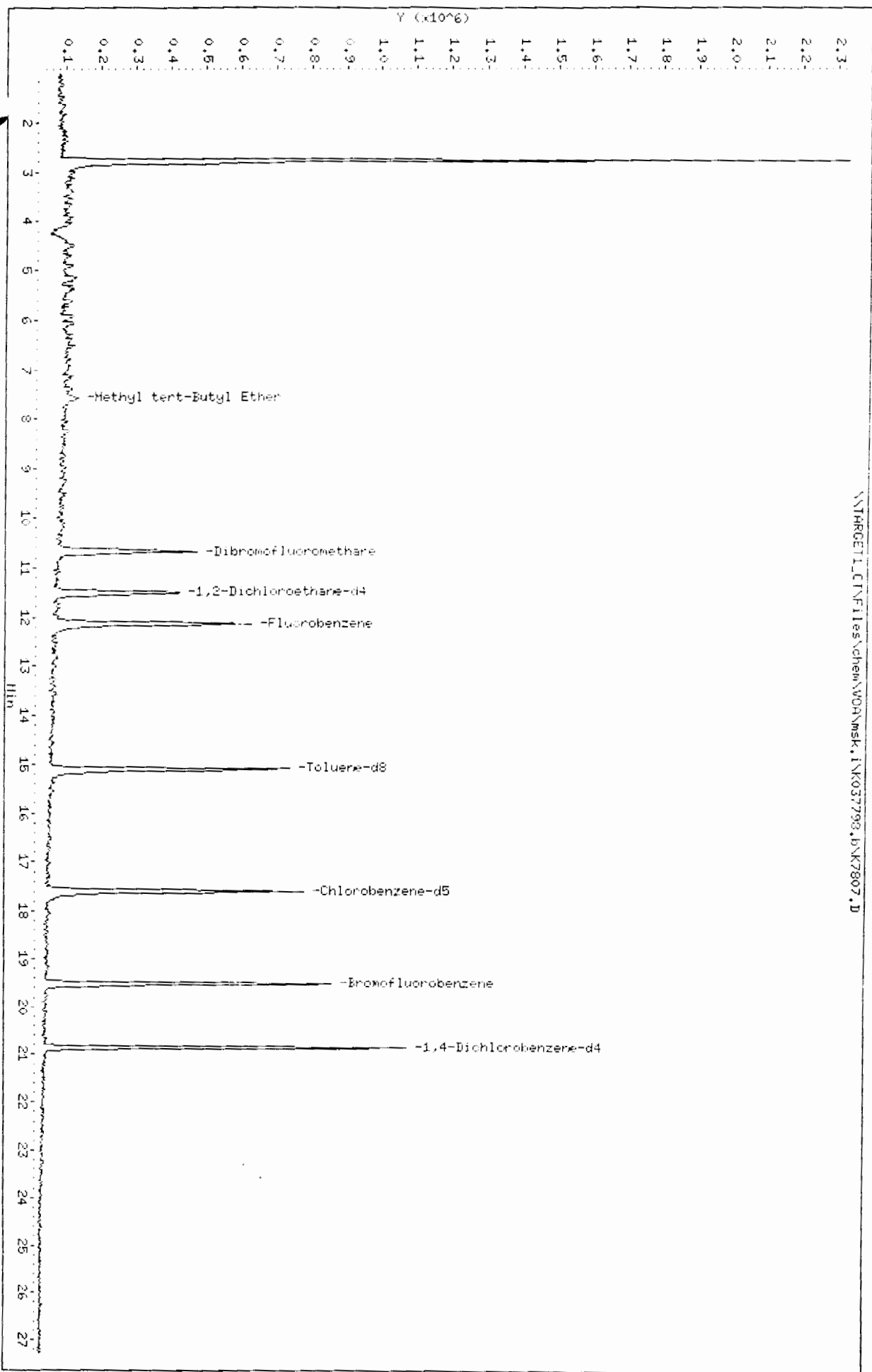
Purge Volume: 5.0

Column phase: DB-624

Instrument: msk.1

Operator: D. HUBERT

Column diameter: 0.53



00000000

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-CT

Contract:

Lab Code: STLCT

Case No.: 204351 SAS No.:

SDG No.: 204351

Instrument ID: MSK

Calibration Date(s): 08/11/03 08/11/03

Heated Purge: (Y/N) N

Calibration Time(s): 0805 1218

GC Column: DB-624 ID: 0.53 (mm)

LAB FILE ID:		RRF5 =K7741		RRF20 =K7740			
RRF50 =K7739		RRF100=K7743		RRF200=K7744			
COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	RRF	% RSD
Dichlorodifluoromethane	0.443	0.458	0.558	0.394	0.351	0.441	17.7
Chloromethane	* 0.451	0.490	0.424	0.448	0.437	0.450	5.5*
Vinyl Chloride	0.380	0.427	0.382	0.376	0.361	0.385	6.4
Bromomethane	0.183	0.133	0.122	0.100	0.078	0.123	31.9
Chloroethane	0.235	0.226	0.217	0.104	0.092	0.175	40.4
Trichlorofluoromethane	0.563	0.543	0.660	0.475	0.379	0.524	20.0
Ethyl Ether	0.606	0.526	0.482	0.465	0.426	0.501	13.7
Freon 141	0.785	0.758	0.804	0.660	0.593	0.720	12.5
Freon 123a	0.110	0.122	0.129	0.111	0.097	0.114	10.8
Trichlorotrifluoroethane	0.413	0.430	0.498	0.365	0.304	0.402	18.1
Acrolein	* 0.054	0.046	0.034	0.036	0.028	0.040	25.5* <-
1,1-Dichloroethene	0.237	0.258	0.257	0.226	0.196	0.235	10.9
Acetone	0.186	0.156	0.112	0.124	0.113	0.138	23.1
Iodomethane	0.321	0.385	0.429	0.318	0.276	0.346	17.5
Carbon Disulfide	1.167	1.123	1.049	1.049	0.961	1.070	7.4
3-Chloro-1-Propene	0.641	0.598	0.495	0.558	0.522	0.563	10.4
tert-Butyl alcohol	* 0.018	0.020	0.013	0.017	0.021	0.018	17.4* <-
Methylene Chloride	0.427	0.412	0.400	0.366	0.345	0.390	8.6
Methyl tert-Butyl Ether	0.709	0.781	0.679	0.761	0.710	0.728	5.8
Ethyl Acetate	0.133	0.142	0.117	0.137	0.119	0.130	8.6
trans-1,2-Dichloroethene	0.348	0.357	0.360	0.313	0.293	0.334	8.9
Acrylonitrile	0.106	0.106	0.083	0.108	0.099	0.100	10.4
1,1-Dichloroethane	* 0.894	0.846	0.808	0.804	0.768	0.824	5.8*
2,2-Dichloropropane	0.645	0.654	0.639	0.566	0.546	0.610	8.2
cis-1,2-Dichloroethene	0.348	0.383	0.399	0.360	0.337	0.365	6.9
2-Butanone	0.180	0.174	0.139	0.159	0.156	0.162	10.0
Methyl Acrylate	0.247	0.261	0.240	0.295	0.292	0.267	9.6
Propionitrile	0.042	0.045	0.034	0.041	0.040	0.040	9.8
Bromochloromethane	0.236	0.228	0.233	0.184	0.166	0.209	15.4
2-Methyl-2-Propenenitrile	0.309	0.325	0.270	0.324	0.299	0.305	7.5
Tetrahydrofuran	0.074	0.087	0.073	0.091	0.084	0.082	9.7
Chloroform	0.942	0.942	0.917	0.822	0.750	0.875	9.8
1,1,1-Trichloroethane	0.687	0.704	0.793	0.578	0.537	0.660	15.5
1-Chlorobutane	0.696	0.767	0.743	0.739	0.721	0.733	3.6
Carbon Tetrachloride	0.617	0.597	0.630	0.534	0.483	0.572	10.8
Chloroacetonitrile	* 0.011	0.012	0.010	0.012	0.011	0.011	8.4*
1,1-Dichloropropene	0.544	0.586	0.611	0.572	0.541	0.571	5.1

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-CT

Contract:

Lab Code: STLCT

Case No.: 204351 SAS No.:

SDG No.: 204351

Instrument ID: MSK

Calibration Date(s): 08/11/03 08/11/03

Heated Purge: (Y/N) N

Calibration Time(s): 0805 1218

GC Column: DB-624 ID: 0.53 (mm)

LAB FILE ID:	RRF5 =K7741	RRF20 =K7740
RRF50 =K7739	RRF100=K7743	RRF200=K7744

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	RRF	% RSD
=====	=====	=====	=====	=====	=====	=====	=====
Benzene	1.148	1.220	1.174	1.231	1.142	1.183	3.4
1,2-Dichloroethane	0.766	0.710	0.707	0.684	0.627	0.699	7.2
2-Chloro-1,3-Butadiene	0.187	0.238	0.242	0.240	0.222	0.226	10.2
Vinyl Acetate	0.590	0.626	0.555	0.731	0.716	0.644	12.0
Trichloroethene	0.305	0.324	0.396	0.315	0.305	0.329	11.6
1,2-Dichloropropane	0.424	0.433	0.430	0.417	0.411	0.423	2.1
Methyl Methacrylate	0.193	0.254	0.242	0.254	0.238	0.236	10.6
1,4-Dioxane	* 0.002	0.004	0.002	0.002	0.002	0.002	22.5* <-
Dibromomethane	0.490	0.454	0.538	0.397	0.388	0.453	13.9
Bromodichloromethane	0.896	0.869	0.949	0.829	0.814	0.871	6.2
2-Nitropropane	0.097	0.111	0.102	0.107	0.106	0.105	5.0
2-Chloroethylvinylether	* 0.047	0.056	0.045	0.074	0.080	0.060	26.4* <-
cis-1,3-Dichloropropene	0.417	0.530	0.506	0.587	0.649	0.538	16.3
trans-1,3-Dichloropropene	0.293	0.320	0.354	0.403	0.443	0.363	16.8
1,1,2-Trichloroethane	0.361	0.369	0.366	0.325	0.293	0.343	9.6
4-Methyl-2-Pentanone	0.080	0.112	0.094	0.131	0.147	0.113	23.9
Toluene	1.313	1.533	1.474	1.513	1.517	1.470	6.1
Ethyl Methacrylate	0.208	0.272	0.270	0.310	0.330	0.278	16.8
Tetrachloroethene	0.410	0.456	0.397	0.310	0.293	0.373	18.6
1,3-Dichloropropane	0.722	0.759	0.730	0.719	0.735	0.733	2.1
2-Hexanone	0.185	0.217	0.196	0.263	0.276	0.227	17.8
Dibromochloromethane	0.810	0.879	0.913	0.703	0.654	0.792	14.1
1,2-Dibromoethane	0.622	0.573	0.559	0.626	0.497	0.575	9.2
1,1-Dichloro-2-propanone	0.151	0.168	0.127	0.163	0.183	0.158	13.1
1-Chlorohexane	0.386	0.463	0.467	0.481	0.515	0.462	10.2
Chlorobenzene	* 1.093	1.068	1.021	0.990	0.952	1.025	5.6*
1,1,1,2-Tetrachloroethane	0.464	0.508	0.508	0.433	0.411	0.465	9.4
Ethylbenzene	0.384	0.435	0.427	0.424	0.431	0.420	4.9
Xylene (total)mp	0.484	0.578	0.550	0.561	0.551	0.545	6.6
Xylene (total)o	0.425	0.502	0.527	0.530	0.534	0.504	9.1
Styrene	0.780	0.919	0.909	0.938	0.933	0.896	7.4
Bromoform	* 0.527	0.582	0.571	0.478	0.507	0.533	8.1*
Isopropylbenzene	2.499	3.140	3.076	3.403	3.492	3.122	12.5
1,1,2,2-Tetrachloroethane	* 1.574	1.516	1.444	1.481	1.443	1.492	3.7*
Bromobenzene	0.870	0.955	1.039	0.966	0.910	0.948	6.7
1,2,3-Trichloropropane	0.326	0.348	0.334	0.308	0.294	0.322	6.6
trans-1,4-Dichloro-2-Butene	0.165	0.174	0.165	0.209	0.233	0.189	16.2

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-CT

Contract:

Lab Code: STLCT

Case No.: 204351 SAS No.:

SDG No.: 204351

Instrument ID: MSK

Calibration Date(s): 08/11/03 08/11/03

Heated Purge: (Y/N) N

Calibration Time(s): 0805 1218

GC Column: DB-624 ID: 0.53 (mm)

LAB FILE ID:	RRF5 =K7741	RRF20 =K7740					
RRF50 =K7739	RRF100=K7743	RRF200=K7744					
COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	RRF	% RSD
n-Propylbenzene	3.602	4.000	3.868	4.239	4.229	3.988	6.7
2-Chlorotoluene	3.121	3.170	3.387	3.233	3.268	3.236	3.1
4-Chlorotoluene	3.169	3.381	3.431	3.506	3.357	3.369	3.7
1,3,5-Trimethylbenzene	2.460	2.870	2.698	2.908	2.758	2.739	6.5
tert-Butylbenzene	1.777	2.483	2.386	2.249	2.267	2.232	12.2
1,2,4-Trimethylbenzene	2.386	2.783	2.632	2.832	2.676	2.662	6.5
sec-Butylbenzene	3.039	3.540	3.393	3.633	3.360	3.393	6.7
4-Isopropyltoluene	2.197	2.751	2.595	2.610	2.399	2.510	8.6
1,3-Dichlorobenzene	1.571	1.574	1.511	1.472	1.347	1.495	6.2
1,4-Dichlorobenzene	1.727	1.629	1.608	1.562	1.508	1.607	5.1
1,2-Dichlorobenzene	1.491	1.622	1.440	1.460	1.428	1.488	5.3
Benzyl Chloride	0.079	0.108	0.100	0.142	0.165	0.119	29.0
Pentachloroethane	*						* <-
n-Butylbenzene	2.353	2.826	2.717	2.970	2.863	2.746	8.6
1,2-Dibromo-3-chloropropane	0.450	0.436	0.367	0.384	0.369	0.401	9.7
Nitrobenzene	0.045	0.049	0.037	0.056	0.072	0.052	25.3
1,2,4-Trichlorobenzene	0.978	0.971	0.963	0.888	0.876	0.935	5.3
Hexachlorobutadiene	0.945	0.926	0.847	0.684	0.674	0.815	15.9
Naphthalene	1.501	1.326	1.019	1.207	1.396	1.290	14.4
1,2,3-Trichlorobenzene	1.047	0.923	0.891	0.873	0.832	0.913	8.9
Xylene (total)	0.464	0.553	0.543	0.550	0.545	0.531	7.1
1,2-Dichloroethene (total)	0.348	0.370	0.379	0.336	0.315	0.350	7.4
Methyl Cyclohexane	0.367	0.511	0.530	0.524	0.506	0.488	13.9
Cyclohexane	0.380	0.465	0.464	0.441	0.418	0.434	8.2
Methyl Acetate	0.790	0.758	0.601	0.730	0.686	0.713	10.3
Acetonitrile	* 0.037	0.043	0.030	0.038	0.042	0.038	13.2*
Isobutyl Alcohol	* 0.004	0.006	0.004	0.006	0.006	0.005	24.0* <-
Dichlorofluoromethane							<-
1-Bromopropane							<-
Dibromofluoromethane	0.690	0.659	0.907	0.543	0.432	0.646	27.5
1,2-Dichloroethane-d4	0.620	0.581	0.574	0.539	0.476	0.558	9.7
Toluene-d8	0.960	1.130	1.154	1.195	1.213	1.130	8.9
Bromofluorobenzene	1.826	2.008	1.973	1.897	2.008	1.942	4.1

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\Files\chem\VOA\msk.i\K037739.b\K7739.D
Lab Smp Id: VSTD050KM Client Smp ID: VSTD050KM
Inj Date : 11-AUG-2003 08:05 MS Autotune Date: 01-JUL-2002 12:47
Operator : D. HUMBERT Inst ID: msk.i
Smp Info : VSTD050KM
Misc Info : : ;;; VSTD050KM ; 8260B ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\Files\chem\VOA\msk.i\K8260BFW.m
Meth Date : 11-Aug-2003 14:11 michael Quant Type: ISTD
Cal Date : 11-AUG-2003 08:05 Cal File: K7739.D
Als bottle: 15 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260BAP9.sub
Target Version: 4.10
Processing Host: CONMSONT

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

All spectra and manual integration for this sample have been reviewed and approved by: Al. Low Date: 8, 12, 03

Secondary review: ka Date: 8, 12, 03

Compounds	QUANT SIG				AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)
						ON-COL (ug/L)
* 1 Fluorobenzene	96	12.175	12.141 (1.000)		1314223	25.0000
2 Dichlorodifluoromethane	85	3.135	3.101 (0.257)		1467892	50.0000
3 Chloromethane	50	3.483	3.449 (0.286)		1113552	50.0000
4 Vinyl Chloride	62	3.675	3.641 (0.302)		1004097	50.0000
5 Bromomethane	94	4.319	4.285 (0.355)		319370	50.0000
6 Chloroethane	64	4.528	4.477 (0.372)		570215	50.0000
8 Trichlorofluoromethane	101	4.981	4.930 (0.409)		1735238	50.0000
9 Ethyl Ether	45	5.625	5.557 (0.462)		1266154	50.0000
10 Freon 141	81	5.608	5.557 (0.461)		2114177	50.0000
11 Freon 123a	67	5.904	5.818 (0.485)		339210	50.0000
12 Trichlorotrifluoroethane	101	6.026	5.958 (0.495)		1310471	50.0000
13 1,1-Dichloroethene	96	6.096	6.027 (0.501)		675836	50.0000
14 Carbon Disulfide	76	6.514	6.445 (0.535)		2758323	50.0000
15 Iodomethane	142	6.462	6.393 (0.531)		1126642	50.0000
16 3-Chloro-1-Propene	41	6.897	6.829 (0.567)		1301404	50.0000
17 Methylene Chloride	84	7.211	7.142 (0.592)		1050348	50.0000
18 Acetone	43	6.392	6.323 (0.525)		295365	50.0000
19 trans-1,2-Dichloroethene	96	7.663	7.595 (0.629)		946569	50.0000
20 Methyl tert-Butyl Ether	73	7.629	7.578 (0.627)		1784173	50.0000
21 Acrolein	56	6.044	5.992 (0.496)		449429	250.000
22 tert-Butyl alcohol	59	7.507	7.421 (0.617)		174405	250.000
23 Methyl Acetate	43	6.984	6.916 (0.574)		1579404	50.0000

0000002

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL
	=====	=====	=====	=====	=====	(ug/L)	(ug/L)
24 Acetonitrile	41	7.089	7.038 (0.582)		792576	500.000	390
27 Acrylonitrile	53	7.838	7.787 (0.644)		435715	100.000	84
28 2-Chloro-1,3-Butadiene	88	8.674	8.623 (0.712)		635642	50.0000	54
29 1,1-Dichloroethane	63	8.569	8.501 (0.704)		2123370	50.0000	48
30 Vinyl Acetate	43	8.639	8.588 (0.710)		1453693	50.0000	47
31 cis-1,2-Dichloroethene	96	9.719	9.650 (0.798)		1047969	50.0000	53
32 2,2-Dichloropropane	77	9.649	9.581 (0.793)		1679331	50.0000	49
34 Bromochloromethane	128	10.224	10.156 (0.840)		613519	50.0000	50
35 Chloroform	83	10.363	10.312 (0.851)		2409310	50.0000	49
36 Ethyl Acetate	43	7.629	7.560 (0.627)		616976	100.000	50
37 Methyl Acrylate	55	9.911	9.859 (0.814)		629609	50.0000	49
\$ 38 Dibromofluoromethane	111	10.747	10.661 (0.883)		1192063	25.0000	30
39 Tetrahydrofuran	42	10.241	10.190 (0.841)		385002	100.000	94
40 1,1,1-Trichloroethane	97	10.677	10.626 (0.877)		2084265	50.0000	54
41 Carbon Tetrachloride	117	10.973	10.905 (0.901)		1654821	50.0000	51
42 2-Butanone	43	9.789	9.738 (0.904)		365979	50.0000	40
43 1,1-Dichloropropene	75	11.060	11.009 (0.908)		1605183	50.0000	53
44 Cyclohexane	64	10.660	10.591 (0.876)		1018985	50.0000	50
47 1-Chlorobutane	56	10.938	10.887 (0.898)		1952859	50.0000	51
48 Propionitrile	54	10.067	10.016 (0.827)		892513	500.000	400
49 Isobutyl Alcohol	42	11.478	11.427 (0.943)		95990	500.000	420
50 Benzene	78	11.531	11.479 (0.947)		3086872	50.0000	50
51 2-Methyl-2-Propenenitrile	41	10.294	10.243 (0.845)		708421	50.0000	45
\$ 52 1,2-Dichloroethane-d4	65	11.565	11.532 (0.950)		753805	25.0000	24
53 1,2-Dichloroethane	62	11.740	11.688 (0.964)		1857826	50.0000	49
57 Methyl Cyclohexane	83	13.133	13.099 (1.079)		1391919	50.0000	56
58 Trichloroethene	130	12.889	12.856 (1.059)		1040058	50.0000	52
59 Dibromomethane	93	13.656	13.622 (1.122)		1412807	50.0000	54
60 1,2-Dichloropropane	63	13.429	13.396 (1.103)		1129079	50.0000	50
61 Bromodichloromethane	83	13.934	13.901 (1.144)		2494971	50.0000	52
62 Methyl Methacrylate	69	13.603	13.570 (1.117)		1269699	100.000	110
63 1,4-Dioxane	58	13.656	13.622 (1.122)		267999	2500.00	1900
64 2-Chloroethylvinylether	63	14.509	14.493 (1.192)		118074	50.0000	45
65 cis-1,3-Dichloropropene	75	14.753	14.719 (1.212)		1329396	50.0000	52
66 2-Nitropropane	41	14.492	14.458 (1.190)		534489	100.000	99
67 Chloroacetonitrile	48	14.666	14.632 (1.205)		520016	1000.00	900
68 trans-1,3-Dichloropropene	75	15.728	15.712 (1.292)		929614	50.0000	55
69 1,1,2-Trichloroethane	97	16.042	16.026 (1.318)		962079	50.0000	50
* 70 Chlorobenzene-d5	117	17.610	17.594 (1.000)		1064960	25.0000	
71 Toluene	91	15.241	15.225 (0.865)		3139787	50.0000	51
\$ 72 Toluene-d8	98	15.136	15.103 (0.860)		1228611	25.0000	27
73 1,1-Dichloro-2-propanone	43	15.101	15.068 (0.858)		1357441	250.000	210
74 4-Methyl-2-Pentanone	58	15.014	14.998 (0.853)		201345	50.0000	48
75 Tetrachloroethene	164	16.112	16.096 (0.915)		845563	50.0000	47
76 Ethyl Methacrylate	69	15.798	15.765 (0.897)		574541	50.0000	54
77 Dibromochloromethane	129	16.634	16.618 (0.945)		1945330	50.0000	53
78 1,3-Dichloropropane	76	16.321	16.305 (0.927)		1554899	50.0000	50
79 1,2-Dibromoethane	107	16.843	16.827 (0.956)		1189896	50.0000	48
80 2-Hexanone	43	16.408	16.392 (0.932)		418294	50.0000	49
81 1-Chlorohexane	91	17.575	17.559 (0.998)		995293	50.0000	53
82 Chlorobenzene	112	17.679	17.646 (1.004)		2174577	50.0000	48
83 1,1,1,2-Tetrachloroethane	131	17.836	17.803 (1.013)		1081969	50.0000	50
84 Ethylbenzene	106	17.801	17.785 (1.011)		909054	50.0000	51
85 Xylene (total)mp	106	18.045	18.012 (1.025)		2344629	100.000	100

0000000

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
	----	----	-----	-----	-----	-----	-----
86 Xylene (total)o	106	18.725	18.708	(1.063)	1123301	50.0000	54
87 Styrene	104	18.777	18.761	(1.066)	1936257	50.0000	52
88 Bromoform	173	19.090	19.074	(1.084)	1215755	50.0000	51
* 89 1,4-Dichlorobenzene-d4	152	20.867	20.851	(1.003)	509989	25.0000	
90 Isopropylbenzene	105	19.247	19.231	(0.922)	3137741	50.0000	53
91 1,1,2,2-Tetrachloroethane	83	19.735	19.719	(0.946)	1472937	50.0000	48
92 Bromobenzene	156	19.717	19.701	(0.945)	1059699	50.0000	54
93 1,2,3-Trichloropropane	110	19.805	19.788	(0.949)	341197	50.0000	50
94 trans-1,4-Dichloro-2-Butene	53	19.822	19.806	(0.950)	335818	100.000	98
95 n-Propylbenzene	91	19.805	19.788	(0.949)	3945223	50.0000	51
96 2-Chlorotoluene	91	19.944	19.928	(0.955)	3454663	50.0000	52
97 4-Chlorotoluene	91	20.083	20.067	(0.962)	3499534	50.0000	50
98 1,3,5-Trimethylbenzene	105	20.014	19.997	(0.959)	2751666	50.0000	50
99 tert-Butylbenzene	119	20.379	20.363	(0.977)	2433866	50.0000	54
100 1,2,4-Trimethylbenzene	105	20.449	20.433	(0.980)	2684110	50.0000	51
101 sec-Butylbenzene	105	20.623	20.607	(0.988)	3461142	50.0000	51
102 4-Isopropyltoluene	119	20.763	20.754	(0.995)	2545996	50.0000	50
103 1,3-Dichlorobenzene	146	20.797	20.781	(0.997)	1541493	50.0000	49
104 1,4-Dichlorobenzene	146	20.902	20.886	(1.002)	1640134	50.0000	49
105 1,2-Dichlorobenzene	146	21.268	21.252	(1.019)	1468974	50.0000	47
106 Benzyl Chloride	126	21.041	21.025	(1.008)	101815	50.0000	52
107 n-Butylbenzene	91	21.181	21.164	(1.015)	2771296	50.0000	50
110 1,2-Dibromo-3-chloropropane	75	22.052	22.035	(1.057)	374429	50.0000	44
111 Nitrobenzene	77	22.278	22.262	(1.058)	374238	500.000	420
112 1,2,4-Trichlorobenzene	180	22.853	22.837	(1.095)	982506	50.0000	50
113 Hexachlorobutadiene	225	22.975	22.941	(1.101)	854155	50.0000	47
114 Naphthalene	128	23.145	23.133	(1.109)	1039232	50.0000	40
115 1,2,3-Trichlorobenzene	180	23.428	23.394	(1.123)	908490	50.0000	47
\$ 116 Bromofluorobenzene	95	19.526	19.510	(0.936)	1006164	25.0000	25
M 117 1,2-Dichloroethene (total)	100				1594538	100.000	100
M 118 Xylene (total)	100				3467930	150.000	150

QC Flag Legend

M - Compound response manually integrated.

Data File: \\NARCET11\CTNFiles\chem\W09\msk.1\K037739.D

Date: 11-AUG-2003 08:05

Client ID: VSTD050KH

Sample Info: VSTD050KH

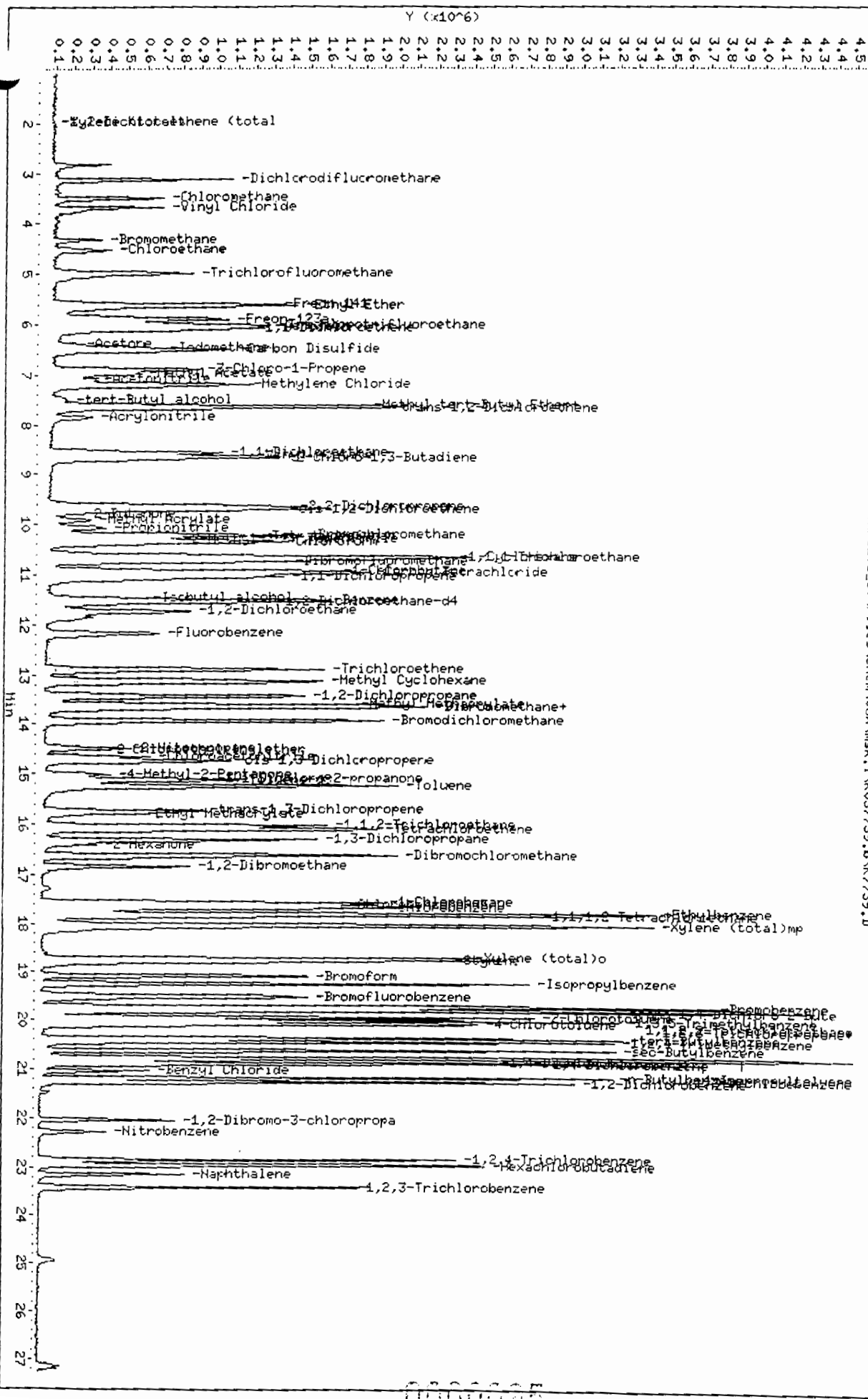
Purge Volume: 5.0

Column phase: DB-624

Instrument: ms1.1

Operator: D. HUBERT

Column diameter: 0.53



0000005

STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\\Files\\chem\\VOA\\msk.i\\K037739.b\\K7740.D
Lab Smp Id: VSTD020KN Client Smp ID: VSTD020KN
Inj Date : 11-AUG-2003 10:04 MS Autotune Date: 01-JUL-2002 12:47
Operator : D. HUMBERT Inst ID: msk.i
Smp Info : VSTD020KN
Misc Info : : ;;; VSTD020KN ; 8260B ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\\Files\\chem\\VOA\\msk.i\\K037739.b\\K8260BFW.m
Meth Date : 11-Aug-2003 14:11 michael Quant Type: ISTD
Cal Date : 11-AUG-2003 10:04 Cal File: K7740.D
Als bottle: 16 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260BAP9.sub
Target Version: 4.10
Processing Host: CONMSONT

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

All spectra and manual calculations for this sample have been reviewed
by: M. Gove Date: 8/12/03
Secondary review: Ka Date: 8/12/03

Compounds	QUANT SIG				AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)
						ON-COL (ug/L)
* 1 Fluorobenzene	96	12.141	12.141 (1.000)		1378205	25.0000
2 Dichlorodifluoromethane	65	3.101	3.101 (0.255)		505153	20.0000
3 Chloromethane	50	3.449	3.449 (0.284)		540405	20.0000
4 Vinyl Chloride	62	3.641	3.641 (0.300)		470672	20.0000
5 Bromomethane	94	4.285	4.285 (0.353)		146202	20.0000
6 Chloroethane	64	4.477	4.477 (0.369)		249386	20.0000
8 Trichlorofluoromethane	101	4.930	4.930 (0.406)		599015	20.0000
9 Ethyl Ether	45	5.557	5.557 (0.456)		579697	20.0000
10 Freon 141	81	5.557	5.557 (0.458)		836077	20.0000
11 Freon 123a	67	5.818	5.818 (0.479)		134167	20.0000
12 Trichlorotrifluoroethane	101	5.958	5.958 (0.491)		474264	20.0000
13 1,1-Dichloroethene	96	6.027	6.027 (0.496)		284650	20.0000
14 Carbon Disulfide	76	6.445	6.445 (0.531)		1238186	20.0000
15 Iodomethane	142	6.393	6.393 (0.527)		424773	20.0000
16 3-Chloro-1-Propene	41	6.829	6.829 (0.562)		659445	20.0000
17 Methylene Chloride	84	7.142	7.142 (0.588)		454493	20.0000
18 Acetone	43	6.323	6.323 (0.521)		171861	20.0000
19 trans-1,2-Dichloroethene	96	7.595	7.595 (0.626)		393386	20.0000
20 Methyl tert-Butyl Ether	73	7.578	7.578 (0.624)		861066	20.0000
21 Acrolein	56	5.992	5.992 (0.494)		256542	100.000
22 tert-Butyl alcohol	59	7.421	7.421 (0.611)		112659	100.000
23 Methyl Acetate	43	6.916	6.916 (0.570)		836281	20.0000

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	CN-COL (ug/L)
=====	=====	=====	=====	=====	=====	=====	=====
24 Acetonitrile	41	7.038	7.038	(0.580)	471347	200.000	230
27 Acrylonitrile	53	7.787	7.787	(0.641)	234436	40.0000	42
28 2-Chloro-1,3-Butadiene	88	8.623	8.623	(0.710)	262610	20.0000	21
29 1,1-Dichloroethane	63	8.501	8.501	(0.700)	933110	20.0000	21
30 Vinyl Acetate	43	8.588	8.588	(0.707)	689915	20.0000	19
31 cis-1,2-Dichloroethene	96	9.650	9.650	(0.795)	422330	20.0000	21
32 2,2-Dichloropropane	77	9.581	9.581	(0.789)	720780	20.0000	21
34 Bromochloromethane	128	10.156	10.156	(0.836)	251562	20.0000	22
35 Chloroform	83	10.312	10.312	(0.849)	1038485	20.0000	20
36 Ethyl Acetate	43	7.560	7.560	(0.623)	313915	40.0000	44
37 Methyl Acrylate	55	9.859	9.859	(0.812)	287912	20.0000	20
\$ 38 Dibromofluoromethane	111	10.661	10.661	(0.878)	363066	10.0000	10
39 Tetrahydrofuran	42	10.190	10.190	(0.839)	191604	40.0000	42
40 1,1,1-Trichloroethane	97	10.626	10.626	(0.875)	776592	20.0000	21
41 Carbon Tetrachloride	117	10.905	10.905	(0.898)	658373	20.0000	21
42 2-Butanone	43	9.738	9.738	(0.802)	192082	20.0000	22
43 1,1-Dichloropropene	75	11.009	11.009	(0.907)	646273	20.0000	21
44 Cyclohexane	84	10.591	10.591	(0.872)	512340	20.0000	21
47 1-Chlorobutane	56	10.887	10.887	(0.897)	645544	20.0000	21
48 Propionitrile	54	10.016	10.016	(0.825)	492499	200.000	220
49 Isobutyl Alcohol	42	11.427	11.427	(0.941)	62506	200.000	230
50 Benzene	78	11.479	11.479	(0.945)	1345209	20.0000	21
51 2-Methyl-2-Propenenitrile	41	10.243	10.243	(0.844)	358472	20.0000	21
\$ 52 1,2-Dichloroethane-d4	65	11.532	11.532	(0.950)	320538	10.0000	10
53 1,2-Dichloroethane	62	11.688	11.688	(0.963)	782761	20.0000	20
57 Methyl Cyclohexane	83	13.099	13.099	(1.079)	563064	20.0000	21
58 Trichloroethene	130	12.856	12.856	(1.059)	357516	20.0000	20
59 Dibromomethane	93	13.622	13.622	(1.122)	500535	20.0000	20
60 1,2-Dichloropropane	63	13.396	13.396	(1.103)	477368	20.0000	20
61 Bromodichloromethane	83	13.901	13.901	(1.145)	958479	20.0000	20
62 Methyl Methacrylate	69	13.570	13.570	(1.118)	561167	40.0000	43
63 1,4-Dioxane	58	13.622	13.622	(1.122)	201756	1000.00	1400
64 2-Chloroethylvinylether	63	14.493	14.493	(1.194)	61432	20.0000	18
65 cis-1,3-Dichloropropene	75	14.719	14.719	(1.212)	584416	20.0000	20
66 2-Nitropropane	41	14.458	14.458	(1.191)	243991	40.0000	42
67 Chloroacetonitrile	48	14.632	14.632	(1.205)	271933	400.000	440
68 trans-1,3-Dichloropropene	75	15.712	15.712	(1.294)	352631	20.0000	18
69 1,1,2-Trichloroethane	97	16.026	16.026	(1.320)	407097	20.0000	22
* 70 Chlorobenzene-d5	117	17.594	17.594	(1.000)	1051761	25.0000	
71 Toluene	91	15.225	15.225	(0.865)	1289653	20.0000	21
\$ 72 Toluene-d8	98	15.103	15.103	(0.858)	475454	10.0000	10
73 1,1-Dichloro-2-propanone	43	15.068	15.068	(0.856)	706001	100.000	110
74 4-Methyl-2-Pentanone	58	14.998	14.998	(0.852)	94141	20.0000	20 (M)
75 Tetrachloroethene	164	16.096	16.096	(0.915)	383782	20.0000	24
76 Ethyl Methacrylate	69	15.765	15.765	(0.896)	229358	20.0000	20
77 Dibromochloromethane	129	16.618	16.618	(0.945)	739592	20.0000	22
78 1,3-Dichloropropane	76	16.305	16.305	(0.927)	638525	20.0000	21
79 1,2-Dibromoethane	107	16.827	16.827	(0.956)	482252	20.0000	20
80 2-Hexanone	43	16.392	16.392	(0.932)	192798	20.0000	19
81 1-Chlorohexane	91	17.559	17.559	(0.998)	389571	20.0000	20
82 Chlorobenzene	112	17.646	17.646	(1.003)	899067	20.0000	21
83 1,1,1,2-Tetrachloroethane	131	17.803	17.803	(1.012)	427684	20.0000	22
84 Ethylbenzene	106	17.785	17.785	(1.011)	365883	20.0000	21
85 Xylene (total)mp	106	18.012	18.012	(1.024)	972959	40.0000	42

0000097

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ug/L)	ON-CON (ug/L)
86 Xylene (total)	106	18.708	18.708	(1.063)	422859	20.0000	20
87 Styrene	104	18.761	18.761	(1.066)	773050	20.0000	21
88 Bromoform	173	19.074	19.074	(1.084)	490112	20.0000	22
* 89 1,4-Dichlorobenzene-d4	152	20.851	20.851	(1.000)	490239	25.0000	
90 Isopropylbenzene	105	19.231	19.231	(0.922)	1231317	20.0000	20
91 1,1,2,2-Tetrachloroethane	83	19.719	19.719	(0.946)	594709	20.0000	20
92 Bromobenzene	156	19.701	19.701	(0.945)	374718	20.0000	20
93 1,2,3-Trichloropropane	110	19.788	19.788	(0.949)	136487	20.0000	22
94 trans-1,4-Dichloro-2-Butene	53	19.806	19.806	(0.950)	136784	40.0000	37
95 n-Propylbenzene	91	19.788	19.788	(0.949)	1568697	20.0000	20
96 2-Chlorotoluene	91	19.928	19.928	(0.956)	1243290	20.0000	20
97 4-Chlorotoluene	91	20.067	20.067	(0.962)	1326057	20.0000	20
98 1,3,5-Trimethylbenzene	105	19.997	19.997	(0.955)	1125816	20.0000	21
99 tert-Butylbenzene	119	20.363	20.363	(0.977)	973932	20.0000	22
100 1,2,4-Trimethylbenzene	105	20.433	20.433	(0.980)	1091419	20.0000	21
101 sec-Butylbenzene	105	20.607	20.607	(0.988)	1388573	20.0000	21
102 4-Isopropyltoluene	119	20.764	20.764	(0.996)	1078892	20.0000	22
103 1,3-Dichlorobenzene	146	20.781	20.781	(0.997)	617295	20.0000	21
104 1,4-Dichlorobenzene	146	20.886	20.886	(1.002)	638651	20.0000	20
105 1,2-Dichlorobenzene	146	21.252	21.252	(1.019)	636102	20.0000	22
106 Benzyl Chloride	126	21.025	21.025	(1.008)	423333	20.0000	19
107 n-Butylbenzene	91	21.164	21.164	(1.018)	1106463	20.0000	21
110 1,2-Dibromo-3-chloropropane	75	22.035	22.035	(1.057)	170879	20.0000	20
111 Nitrobenzene	77	22.262	22.262	(1.068)	192761	200.000	190
112 1,2,4-Trichlorobenzene	180	22.837	22.837	(1.095)	380715	20.0000	21
113 Hexachlorobutadiene	225	22.941	22.941	(1.100)	363138	20.0000	23
114 Naphthalene	128	23.133	23.133	(1.109)	519923	20.0000	21
115 1,2,3-Trichlorobenzene	180	23.394	23.394	(1.122)	361868	20.0000	20
\$ 116 Bromofluorobenzene	95	19.510	19.510	(0.936)	393789	10.0000	10
M 117 1,2-Dichloroethene (total)	100				815716	40.0000	42
M 118 Xylene (total)	100				1395818	60.0000	60

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Date : 11-AUG-2003 10:04

Client ID: VSTD020KN

Sample Info: VSTD020KN

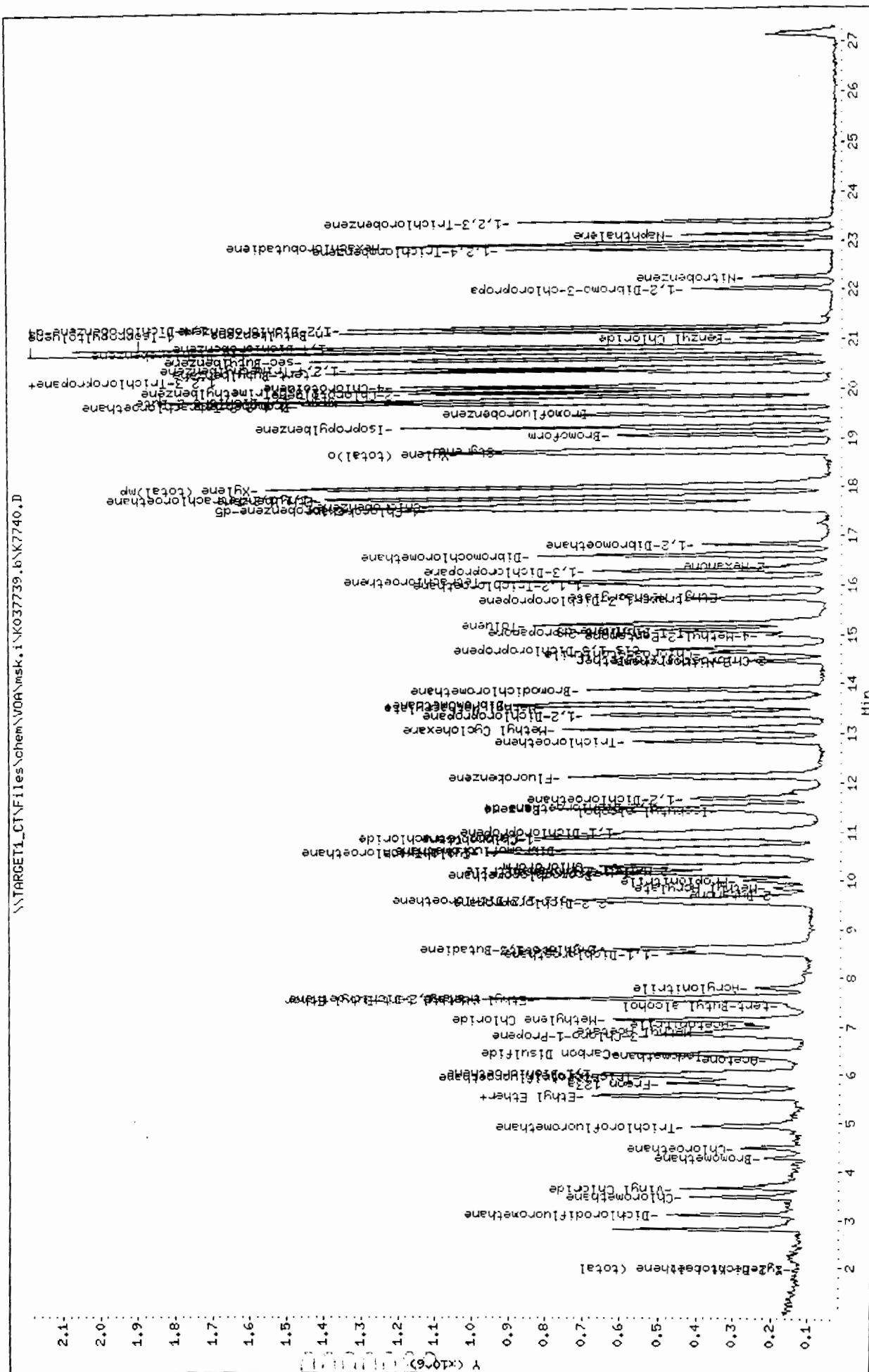
Purge Volume: 5.0

Column phase: DB-624

Instrument: msk.i

Operator: D. HUBERT

Column diameter: 0.53



Compounds	QUANT SIG MASS					AMOUNTS	
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
24 Acetonitrile	41	7.017	7.038	(0.577)	92867	50.0000	49 (M)
27 Acrylonitrile	53	7.784	7.787	(0.640)	53188	10.0000	11
28 2-Chloro-1,3-Butadiene	88	8.620	8.623	(0.709)	47081	5.00000	4
29 1,1-Dichloroethane	63	8.515	8.501	(0.701)	224712	5.00000	5
30 Vinyl Acetate	43	8.585	8.588	(0.706)	146476	5.00000	5
31 cis-1,2-Dichloroethene	96	9.665	9.650	(0.795)	87378	5.00000	5
32 2,2-Dichloropropane	77	9.595	9.581	(0.789)	162126	5.00000	5
34 Bromochloromethane	128	10.170	10.156	(0.837)	59453	5.00000	5
35 Chloroform	83	10.310	10.312	(0.848)	236921	5.00000	5
36 Ethyl Acetate	43	7.557	7.560	(0.622)	66681	10.0000	11
37 Methyl Acrylate	55	9.874	9.859	(0.812)	62030	5.00000	5
\$ 38 Dibromofluoromethane	111	10.693	10.661	(0.880)	86658	2.50000	3
39 Tetrahydrofuran	42	10.188	10.190	(0.838)	37206	10.0000	9
40 1,1,1-Trichloroethane	97	10.641	10.626	(0.875)	172800	5.00000	5
41 Carbon Tetrachloride	117	10.937	10.905	(0.900)	155253	5.00000	5
42 2-Butanone	43	9.735	9.738	(0.801)	45361	5.00000	5
43 1,1-Dichloropropene	75	11.024	11.009	(0.907)	136737	5.00000	5
44 Cyclohexane	84	10.606	10.591	(0.872)	95503	5.00000	4
47 1-Chlorobutane	56	10.919	10.887	(0.858)	174987	5.00000	5
48 Propionitrile	54	9.996	10.016	(0.822)	104653	50.0000	52
49 Isobutyl Alcohol	42	11.424	11.427	(0.940)	9275	50.0000	37
50 Benzene	78	11.494	11.479	(0.946)	288789	5.00000	5
51 2-Methyl-2-Propenenitrile	41	10.240	10.243	(0.842)	77626	5.00000	5
\$ 52 1,2-Dichloroethane-d4	65	11.529	11.532	(0.948)	78000	2.50000	3
53 1,2-Dichloroethane	62	11.703	11.688	(0.963)	192514	5.00000	5
57 Methyl Cyclohexane	83	13.114	13.099	(1.079)	92325	5.00000	4
58 Trichloroethene	130	12.870	12.856	(1.059)	76513	5.00000	5
59 Dibromomethane	93	13.637	13.622	(1.122)	123172	5.00000	5
60 1,2-Dichloropropane	63	13.393	13.396	(1.102)	106683	5.00000	5
61 Bromodichloromethane	83	13.898	13.901	(1.143)	225418	5.00000	5
62 Methyl Methacrylate	69	13.584	13.570	(1.117)	97284	10.0000	8
63 1,4-Dioxane	58	13.637	13.622	(1.122)	31057	250.000	230
64 2-Chloroethylvinylether	63	14.490	14.493	(1.192)	11874	5.00000	4 (M)
65 cis-1,3-Dichloropropene	75	14.717	14.719	(1.211)	104838	5.00000	4
66 2-Nitropropane	41	14.455	14.458	(1.189)	48825	10.0000	9
67 Chloroacetonitrile	48	14.630	14.632	(1.203)	54356	100.000	96
68 trans-1,3-Dichloropropane	75	15.710	15.712	(1.292)	73778	5.00000	4
69 1,1,2-Trichloroethane	97	16.006	16.026	(1.317)	90788	5.00000	5
* 70 Chlorobenzene-d5	117	17.591	17.594	(1.000)	961768	25.0000	
71 Toluene	91	15.222	15.225	(0.865)	252636	5.00000	4
\$ 72 Toluene-d8	93	15.117	15.103	(0.859)	92308	2.50000	2
73 1,1-Dichloro-2-propanone	43	15.065	15.068	(0.856)	145617	25.0000	24
74 4-Methyl-2-Pentanone	58	14.978	14.998	(0.851)	15433	5.00000	3
75 Tetrachloroethene	164	16.093	16.096	(0.915)	78933	5.00000	5
76 Ethyl Methacrylate	69	15.762	15.765	(0.896)	40099	5.00000	4
77 Dibromochloromethane	129	16.615	16.618	(0.945)	155771	5.00000	5
78 1,3-Dichloropropane	76	16.302	16.305	(0.927)	138924	5.00000	5
79 1,2-Dibromoethane	107	16.824	16.827	(0.956)	119755	5.00000	5
80 2-Hexanone	43	16.371	16.392	(0.931)	35576	5.00000	4
81 1-Chlorohexane	91	17.539	17.559	(0.997)	74356	5.00000	4
82 Chlorobenzene	112	17.643	17.646	(1.003)	210312	5.00000	5
83 1,1,1,2-Tetrachloroethane	131	17.800	17.803	(1.012)	89281	5.00000	5 (M)
84 Ethylbenzene	106	17.765	17.785	(1.010)	73933	5.00000	5
85 Xylene (total)mp	106	18.009	18.012	(1.024)	186115	10.0000	9

STL-CT

Volatile Report SW-846 Method 8260B
Data file : \\TARGET1_CT\Files\chem\VOA\msk.i\K037739.b\K7741.D
Lab Smp Id: VSTD005KO Client Smp ID: VSTD005KO
Inj Date : 11-AUG-2003 10:38 MS Autotune Date: 01-JUL-2002 12:47
Operator : D. HUMBERT Inst ID: msk.i
Smp Info : VSTD005KO
Misc Info : : ;;; VSTD005KO ; 8260B ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\Files\chem\VOA\msk.i\K037739.b\K8260BFW.m
Meth Date : 11-Aug-2003 14:11 michael Quant Type: ISTD
Cal Date : 11-AUG-2003 10:38 Cal File: K7741.D
Als bottle: 17 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260BAP9.sub
Target Version: 4.10
Processing Host: CONMSONT

Concentration Formula: Amt * DF * Uf * 1/Vo Cpnd Variable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

All spectra and manual integrations for this sample have been reviewed
By: M. Crow Date: 8/12/03
Secondary review: ka Date: 8/12/03

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
1 Fluorobenzene	96	12.156	12.141 (1.000)		1257211	25.0000	
2 Dichlorodifluoromethane	85	3.081	3.101 (0.253)		111476	5.00000	5
3 Chloromethane	50	3.447	3.449 (0.284)		113344	5.00000	5
4 Vinyl Chloride	62	3.621	3.641 (0.298)		95657	5.00000	5
5 Bromomethane	94	4.265	4.285 (0.351)		45960	5.00000	7
6 Chloroethane	64	4.474	4.477 (0.368)		59142	5.00000	7
8 Trichlorofluoromethane	101	4.927	4.930 (0.405)		141679	5.00000	5
9 Ethyl Ether	45	5.554	5.557 (0.457)		152426	5.00000	6
10 Freon 141	81	5.554	5.557 (0.457)		197457	5.00000	5
11 Freon 123a	67	5.816	5.818 (0.478)		27597	5.00000	5 (M)
12 Trichlorotrifluoroethane	101	5.937	5.958 (0.488)		103832	5.00000	5
13 1,1-Dichloroethene	96	6.025	6.027 (0.496)		59684	5.00000	5
14 Carbon Disulfide	76	6.443	6.445 (0.530)		293461	5.00000	5
15 Iodomethane	142	6.373	6.393 (0.524)		80628	5.00000	5
16 3-Chloro-1-Propene	41	6.826	6.829 (0.562)		161169	5.00000	6
17 Methylene Chloride	54	7.122	7.142 (0.586)		107304	5.00000	5
18 Acetone	43	6.321	6.323 (0.520)		46663	5.00000	7
19 trans-1,2-Dichloroethene	96	7.592	7.595 (0.625)		87491	5.00000	5
20 Methyl tert-Butyl Ether	73	7.557	7.578 (0.622)		178318	5.00000	5
21 Acrolein	56	5.972	5.992 (0.491)		67384	25.0000	34
22 tert-Butyl alcohol	59	7.418	7.421 (0.610)		22960	25.0000	31 (M)
23 Methyl Acetate	43	6.913	6.916 (0.569)		198533	5.00000	6

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
=====	=====	=====	=====	=====	=====	=====	=====	=====
86 Xylene (total)	106	18.706	18.708	(1.063)	81750	5.00000	4	
87 Styrene	104	18.758	18.761	(1.066)	149943	5.00000	4	
88 Bromoform	173	19.071	19.074	(1.084)	101342	5.00000	5	
* 89 1,4-Dichlorobenzene-d4	152	20.866	20.851	(1.000)	468369	25.00000		
90 Isopropylbenzene	105	19.228	19.231	(0.922)	234137	5.00000	4	
91 1,1,2,2-Tetrachloroethane	83	19.716	19.719	(0.945)	147478	5.00000	5	
92 Bromobenzene	156	19.698	19.701	(0.944)	81452	5.00000	5	
93 1,2,3-Trichloropropane	110	19.786	19.788	(0.948)	30552	5.00000	5	
94 trans-1,4-Dichloro-2-Butene	53	19.803	19.806	(0.949)	30932	10.00000	9	
95 n-Propylbenzene	91	19.786	19.788	(0.948)	317428	5.00000	5	
96 2-Chlorotoluene	91	19.925	19.928	(0.955)	292384	5.00000	5	
97 4-Chlorotoluene	91	20.064	20.067	(0.962)	296867	5.00000	5	
98 1,3,5-Trimethylbenzene	105	19.995	19.997	(0.958)	230435	5.00000	4	
99 tert-Butylbenzene	119	20.378	20.363	(0.977)	166497	5.00000	4	
100 1,2,4-Trimethylbenzene	105	20.448	20.433	(0.980)	223516	5.00000	4	
101 sec-Butylbenzene	105	20.604	20.607	(0.987)	284650	5.00000	4	
102 4-Isopropyltoluene	119	20.761	20.764	(0.995)	205750	5.00000	4	
103 1,3-Dichlorobenzene	146	20.778	20.781	(0.996)	147173	5.00000	5	
104 1,4-Dichlorobenzene	146	20.883	20.866	(1.001)	161771	5.00000	5	
105 1,2-Dichlorobenzene	146	21.266	21.252	(1.019)	139708	5.00000	5	
106 Benzyl Chloride	126	21.022	21.025	(1.005)	7388	5.00000	5	
107 n-Butylbenzene	51	21.179	21.164	(1.015)	110443	5.00000	4	
110 1,2-Dibromo-3-chloropropane	75	22.050	22.035	(1.057)	42139	5.00000	5	
111 Nitrobenzene	77	22.277	22.262	(1.068)	42384	50.00000	44	
112 1,2,4-Trichlorobenzene	180	22.869	22.837	(1.096)	91645	5.00000	5	
113 Hexachlorobutadiene	225	22.973	22.941	(1.101)	88514	5.00000	6	
114 Naphthalene	128	23.147	23.133	(1.109)	140630	5.00000	6	
115 1,2,3-Trichlorobenzene	180	23.426	23.394	(1.123)	98044	5.00000	6	
\$ 116 Bromofluorobenzene	95	19.507	19.510	(0.935)	85523	2.50000	2	
M 117 1,2-Dichloroethene (total)	100				174869	10.00000	10	
M 118 Xylene (total)	100				267865	15.00000	13	

QC Flag Legend

M - Compound response manually integrated.

Sample Info: VSTD005K0
Purge Volume: 5.0
Column phase: DB-624

Operator: D. HUMBERT
Column diameter: 0.53



STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\Files\chem\VOA\msk.i\K037739.b\K7743.D
Lab Smp Id: VSTD100KP Client Smp ID: VSTD100KP
Inj Date : 11-AUG-2003 11:45 MS Autotune Date: 01-JUL-2002 12:47
Operator : D. HUMBERT Inst ID: msk.i
Smp Info : VSTD100KP
Misc Info : : ;;; VSTD100KP ; 8260B ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\Files\chem\VOA\msk.i\K037739.b\K8260BFW.m
Meth Date : 11-Aug-2003 14:11 michael Quant Type: ISTD
Cal Date : 11-AUG-2003 11:45 Cal File: K7743.D
Als bottle: 19 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.10
Processing Host: CONMSONT

Compound Sublist: 8260BAP9.sub

Concentration Formula: Amt * DF * Uf * 1/Vol * Cpnd Variable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vol	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

All spectra and manual integrations for this sample have been reviewed and approved.
Date: 8/12/03
Secondary review: Ka Date: 8/12/03

Compounds	QUANT SIG						AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
1 Fluorobenzene	96		12.141	12.141 (1.000)		1455756	25.0000	
2 Dichlorodifluoromethane	85		3.066	3.101 (0.253)		2295819	100.000	89
3 Chloromethane	50		3.432	3.449 (0.283)		2611763	100.000	100
4 Vinyl Chloride	62		3.623	3.641 (0.298)		2187983	100.000	98
5 Bromomethane	94		4.250	4.285 (0.350)		584864	100.000	82
6 Chloroethane	64		4.424	4.477 (0.364)		604602	100.000	59
8 Trichlorofluoromethane	101		4.877	4.930 (0.402)		2767135	100.000	91
9 Ethyl Ether	45		5.539	5.557 (0.456)		2707442	100.000	93
10 Freon 141	81		5.522	5.557 (0.455)		3846380	100.000	92
11 Freon 123a	67		5.801	5.818 (0.478)		646161	100.000	98
12 Trichlorotrifluoroethane	101		5.922	5.958 (0.488)		2126312	100.000	91
13 1,1-Dichloroethene	96		6.010	6.027 (0.495)		1318667	100.000	96
14 Carbon Disulfide	76		6.410	6.445 (0.528)		6107071	100.000	98
15 Iodomethane	142		6.358	6.393 (0.524)		1853260	100.000	92
16 3-Chloro-1-Propene	41		6.811	6.829 (0.561)		3248326	100.000	99
17 Methylene Chloride	84		7.124	7.142 (0.587)		2132032	100.000	94
18 Acetone	43		6.306	6.323 (0.519)		719522	100.000	89
19 trans-1,2-Dichloroethene	96		7.577	7.595 (0.624)		1820286	100.000	94
20 Methyl tert-Butyl Ether	73		7.560	7.578 (0.623)		4433413	100.000	100
21 Acrolein	56		5.975	5.992 (0.492)		1049265	500.000	450
22 tert-Butyl alcohol	59		7.438	7.421 (0.613)		499044	500.000	470 (M)
23 Methyl Acetate	43		6.898	6.916 (0.568)		4252510	100.000	100

Compounds	QUANT SIG						AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ug/L)	ON-COL (ug/L)
24 Acetonitrile	41	7.037	7.038 (0.580)		2197781		1000.00	1000
27 Acrylonitrile	53	7.786	7.787 (0.641)		1261174		200.000	220
28 2-Chloro-1,3-Butadiene	88	8.605	8.623 (0.709)		1397177		100.000	110
29 1,1-Dichloroethane	63	8.501	8.501 (0.700)		4683886		100.000	98
30 Vinyl Acetate	43	8.588	8.588 (0.707)		4259072		100.000	110
31 cis-1,2-Dichloroethene	96	9.650	9.650 (0.795)		2095682		100.000	99
32 2,2-Dichloropropane	77	9.580	9.581 (0.789)		3293767		100.000	93
34 Bromochloromethane	128	10.173	10.156 (0.838)		1068932		100.000	88
35 Chloroform	83	10.312	10.312 (0.849)		4785903		100.000	94
36 Ethyl Acetate	43	7.560	7.560 (0.623)		1598682		200.000	210
37 Methyl Acrylate	55	9.859	9.859 (0.612)		1717192		100.000	110
\$ 38 Dibromofluoromethane	111	10.678	10.661 (0.879)		1581087		50.0000	42
39 Tetrahydrofuran	42	10.190	10.190 (0.839)		1061930		200.000	220
40 1,1,1-Trichloroethane	97	10.626	10.626 (0.875)		3368990		100.000	88
41 Carbon Tetrachloride	117	10.904	10.905 (0.898)		3110595		100.000	93
42 2-Butanone	43	9.737	9.738 (0.802)		923923		100.000	98
43 1,1-Dichloropropene	75	11.009	11.009 (0.907)		3329345		100.000	100
44 Cyclohexane	94	10.591	10.591 (0.872)		2557609		100.000	100
47 1-Chlorobutane	96	10.887	10.887 (0.897)		4304544		100.000	100
48 Propionitrile	54	10.016	10.016 (0.825)		2391780		1000.00	1000
49 Isobutyl Alcohol	42	11.427	11.427 (0.941)		350455		1000.00	1200
50 Benzene	78	11.479	11.479 (0.945)		7169115		100.000	100
51 2-Methyl-2-Propenenitrile	41	10.242	10.243 (0.844)		1887394		100.000	110
\$ 52 1,2-Dichloroethane-d4	65	11.514	11.532 (0.948)		1570463		50.0000	48
53 1,2-Dichloroethane	62	11.688	11.688 (0.963)		3984337		100.000	98
57 Methyl Cyclohexane	83	13.099	13.099 (1.079)		3046742		100.000	110
58 Trichloroethene	130	12.855	12.856 (1.059)		1834564		100.000	96
59 Dibromomethane	93	13.622	13.622 (1.122)		2309719		100.000	88
60 1,2-Dichloropropane	63	13.395	13.396 (1.103)		2427285		100.000	99
61 Bromodichloromethane	83	13.900	13.901 (1.145)		4828865		100.000	95
62 Methyl Methacrylate	69	13.569	13.570 (1.118)		2963955		200.000	220
63 1,4-Dioxane	58	13.622	13.622 (1.122)		748978		5000.00	4800 (A)
64 2-Chloroethylvinylether	63	14.493	14.493 (1.194)		430693		100.000	120
65 cis-1,3-Dichloropropene	75	14.719	14.719 (1.212)		3417169		100.000	110
66 2-Nitropropane	41	14.458	14.458 (1.191)		1251630		200.000	210
67 Chloroacetonitrile	48	14.649	14.632 (1.207)		1375503		2000.00	2100
68 trans-1,3-Dichloropropene	75	15.712	15.712 (1.294)		2346920		100.000	110
69 1,1,2-Trichloroethane	97	16.026	16.026 (1.320)		1894750		100.000	95
* 70 Chlorobenzene-d5	117	17.593	17.594 (1.000)		1143805		25.0000	
71 Toluene	91	15.224	15.225 (0.865)		6922269		100.000	100
\$ 72 Toluene-d8	98	15.102	15.103 (0.858)		2733030		50.0000	53
73 1,1-Dichloro-2-propanone	43	15.085	15.068 (0.857)		3723949		500.000	510
74 4-Methyl-2-Pentanone	58	14.998	14.998 (0.852)		599235		100.000	110 (M)
75 Tetrachloroethene	164	16.095	16.096 (0.915)		1419358		100.000	83
76 Ethyl Methacrylate	69	15.764	15.765 (0.896)		1420494		100.000	110
77 Dibromochloromethane	129	16.618	16.618 (0.945)		3216835		100.000	89
78 1,3-Dichloropropane	76	16.304	16.305 (0.927)		3290877		100.000	98
79 1,2-Dibromoethane	107	16.827	16.827 (0.956)		2862461		100.000	110
80 2-Hexanone	43	16.391	16.392 (0.932)		1203547		100.000	120
81 1-Chlorohexane	91	17.558	17.559 (0.998)		2199159		100.000	100
82 Chlorobenzene	112	17.646	17.646 (1.003)		4529367		100.000	97
83 1,1,1,2-Tetrachloroethane	131	17.802	17.803 (1.012)		1982371		100.000	93
84 Ethylbenzene	106	17.802	17.785 (1.012)		1939213		100.000	100
85 Xylene (total)mp	106	18.029	18.012 (1.025)		5130623		200.000	210

Compounds	QUANT SIG MASS					AMOUNTS	
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
86 Xylene (total)	106	18.708	18.708	(1.063)	2423445	100.000	110
87 Styrene	104	18.760	18.761	(1.066)	4292175	100.000	110
88 Bromoform	173	19.074	19.074	(1.084)	2188936	100.000	90
* 89 1,4-Dichlorobenzene-d4	192	20.851	20.851	(1.000)	501312	25.0000	
90 Isopropylbenzene	105	19.231	19.231	(0.922)	6823554	100.000	110
91 1,1,2,2-Tetrachloroethane	83	19.736	19.719	(0.947)	2970224	100.000	99
92 Bromobenzene	156	19.718	19.701	(0.946)	1937532	100.000	100
93 1,2,3-Trichloropropane	110	19.805	19.788	(0.950)	617140	100.000	99
94 trans-1,4-Dichloro-2-Butene	53	19.805	19.806	(0.950)	839708	200.000	120
95 n-Propylbenzene	91	19.788	19.788	(0.949)	8499968	100.000	110
96 2-Chlorotoluene	91	19.927	19.928	(0.956)	6483520	100.000	100
97 4-Chlorotoluene	91	20.067	20.067	(0.962)	7030943	100.000	100
98 1,3,5-Trimethylbenzene	105	19.997	19.997	(0.959)	5830324	100.000	110
99 tert-Butylbenzene	119	20.363	20.363	(0.977)	4509631	100.000	100
100 1,2,4-Trimethylbenzene	105	20.433	20.433	(0.980)	5678848	100.000	110
101 sec-Butylbenzene	105	20.607	20.607	(0.988)	7285681	100.000	110
102 4-Isopropyltoluene	119	20.764	20.764	(0.996)	5232802	100.000	110
103 1,3-Dichlorobenzene	146	20.781	20.781	(0.997)	2951503	100.000	99
104 1,4-Dichlorobenzene	146	20.885	20.886	(1.002)	3131510	100.000	99
105 1,2-Dichlorobenzene	146	21.251	21.252	(1.019)	2927965	100.000	99
106 Benzyl Chloride	126	21.025	21.025	(1.008)	294120	100.000	110
107 n-Butylbenzene	91	21.164	21.164	(1.015)	5956763	100.000	110
110 1,2-Dibromo-3-chloropropane	78	22.035	22.035	(1.057)	769886	100.000	99
111 Nitrobenzene	77	22.279	22.262	(1.069)	1123110	1000.00	1100
112 1,2,4-Trichlorobenzene	180	22.854	22.837	(1.095)	1780100	100.000	99
113 Hexachlorobutadiene	225	22.958	22.941	(1.101)	1372223	100.000	94
114 Naphthalene	128	23.133	23.133	(1.109)	2419914	100.000	94
115 1,2,3-Trichlorobenzene	180	23.411	23.394	(1.123)	1750043	100.000	99
\$ 116 Bromofluorobenzene	95	19.509	19.510	(0.936)	1902145	50.0000	49
M 117 1,2-Dichloroethene (total)	100				3915968	200.000	190
M 118 Xylene (total)	100				7554068	300.000	310

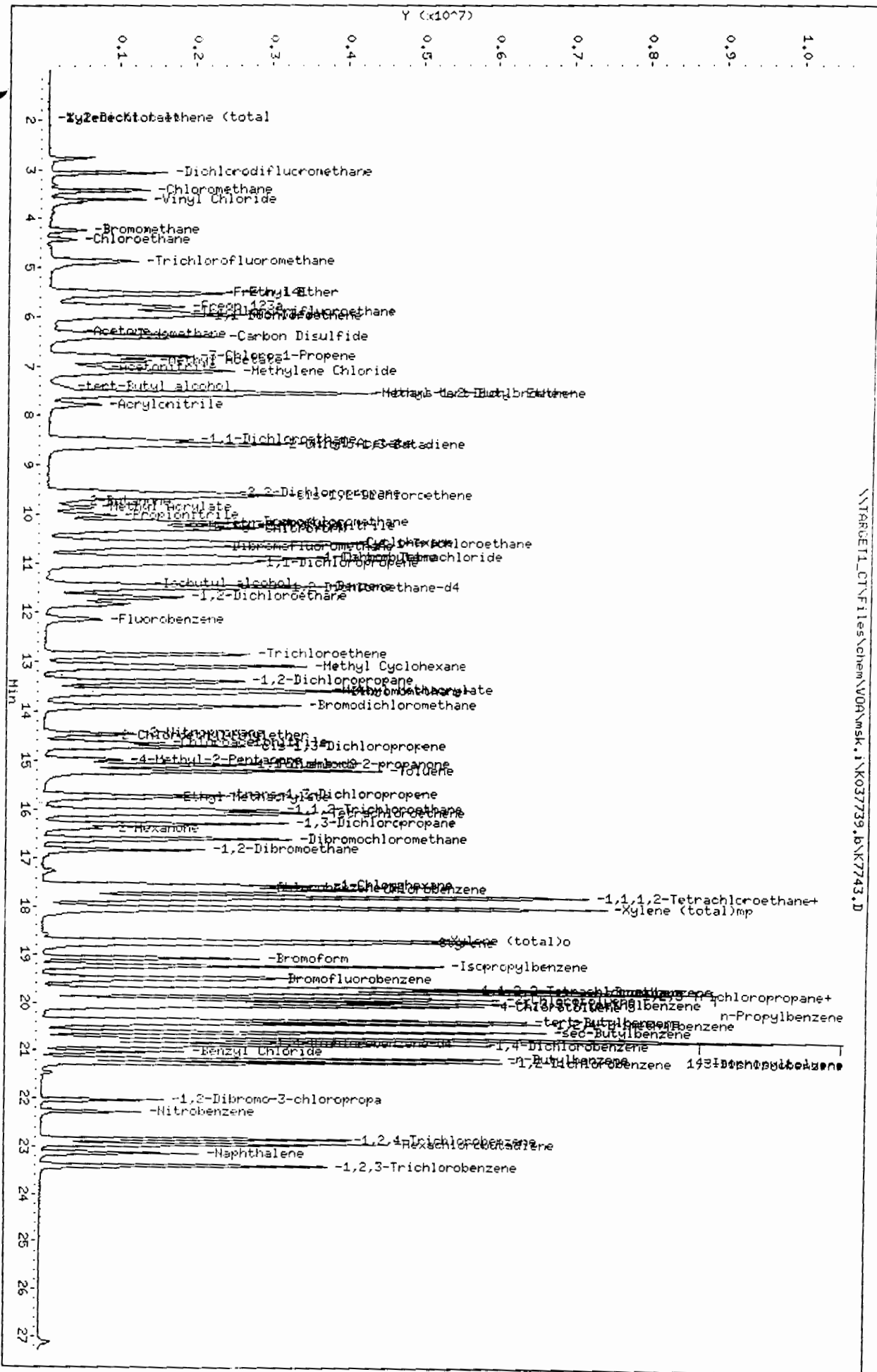
QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- M - Compound response manually integrated.

Data File: \NTARCEL1\CT\Files\chem\VOA\msk.i\K037739.B\K7743.D
 Date: 11-AUG-2003 11:45
 Client ID: VSTD100KP
 Sample Info: VSTD100KP
 Purge Volume: 5.0
 Column phase: DB-624

Operator: D. HUBERT
 Column diameter: 0.53

Instrument: msk.i



STL-CT

Data file : \\TARGET1 CT\\Files\\chem\\VOA\\msk.i\\K037739.b\\K7744.D
Lab Smp Id: VSTD200KQ
Inj Date : 11-AUG-2003 12:18
Operator : D. HUMBERT
Smp Info : VSTD200KQ
Misc Info : : : VSTD200KQ ; 8260B ; 1 ; LLW
Comment :
Method : \\TARGET1 CT\\Files\\chem\\VOA\\msk.i\\K037739.b\\K8260CBFW.m
Meth Date : 11-Aug-2003 14:11 michael
Cal Date : 11-AUG-2003 12:18
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.10
Processing Host: CONMSONT

Volatile Report SW-846 Method 8260B
Client Smp ID: VSTD200KQ
MS Autotune Date: 01-JUL-2002 12:47
Inst ID: msk.i

Quant Type: ISTD
Cal File: K7744.D
Calibration Sample, Level: 5
Compound Sublist: 8260BAP9.sub

Concentration Formula: Amt * DF * Uf * 1/Vo

Name Value Description

DF 1.000
Uf 5.000
Vo 5.000
Cpnd Variable

Dilution Factor
ng unit correction factor
Sample Volume-purged (mL)
Local Compound Variable

All spectra and manual integration for this sample have been reviewed

By: U. Lowe Date: 8/12/03
Secondary review: Ka Date: 8/12/03

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT (ug/L)	ON-COL (ug/L)
1 Fluorobenzene	96		12.142	12.141 (1.000)		1586873	25.0000	160
2 Dichlorodifluoromethane	85		3.084	3.101 (0.254)		4458042	200.000	190
3 Chloromethane	50		3.433	3.449 (0.283)		5544312	200.000	190
4 Vinyl Chloride	62		3.624	3.641 (0.299)		4578599	200.000	130
5 Bromomethane	94		4.251	4.285 (0.350)		992926	200.000	110
6 Chloroethane	64		4.460	4.477 (0.367)		1166817	200.000	140
8 Trichlorofluoromethane	101		4.879	4.930 (0.402)		4815852	200.000	170
9 Ethyl Ether	45		5.610	5.557 (0.462)		5413065	200.000	160
10 Freon 141	81		5.540	5.557 (0.456)		7523272	200.000	170
11 Freon 123a	67		5.854	5.818 (0.482)		1229446	200.000	150
12 Trichlorotrifluoroethane	101		5.941	5.958 (0.489)		3865486	200.000	170
13 1,1-Dichloroethene	76		6.028	6.027 (0.496)		2490041	200.000	180
14 Carbon Disulfide	96		6.429	6.445 (0.529)		12204291	200.000	160
15 Iodomethane	41		6.377	6.393 (0.525)		3502353	200.000	190
16 3-Chloro-1-Propene	84		6.829	6.829 (0.562)		6620769	200.000	180
17 Methylene Chloride	43		7.143	7.142 (0.588)		4383006	200.000	160
18 Acetone	96		6.377	6.323 (0.525)		1435585	200.000	180
19 trans-1,2-Dichloroethene	73		7.596	7.595 (0.626)		3723272	200.000	200
20 Methyl tert-Butyl Ether	56		7.596	7.578 (0.626)		9012408	200.000	710
21 Acrolein	59		6.028	5.992 (0.496)		1801393	1000.00	1200 (AM)
22 tert-Butyl alcohol	43		7.526	7.421 (0.620)		1346449	1000.00	190
23 Methyl Acetate			6.934	6.916 (0.571)		8716141	200.000	

0000108

Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ug/L)	CN-COL (ug/L)
24 Acetonitrile	41	7.073	7.038	(0.583)	5322252	2000.00	2200(A)
27 Acrylonitrile	53	7.822	7.787	(0.644)	2514900	400.000	390
28 2-Chloro-1,3-Butadiene	88	8.606	8.623	(0.709)	2823777	200.000	200
29 1,1-Dichloroethane	63	8.519	8.501	(0.702)	9744881	200.000	190
30 Vinyl Acetate	43	8.606	8.588	(0.709)	9095613	200.000	220(A)
31 cis-1,2-Dichloroethene	96	9.651	9.650	(0.795)	4281105	200.000	160
32 2,2-Dichloropropane	77	9.582	9.581	(0.789)	6926194	200.000	160
34 Bromochloromethane	128	10.174	10.155	(0.838)	2110936	200.000	160
35 Chloroform	83	10.313	10.312	(0.849)	9520919	200.000	170
36 Ethyl Acetate	43	7.596	7.560	(0.626)	3020693	400.000	370
37 Methyl Acrylate	55	9.878	9.859	(0.814)	3711905	200.000	200(A)
\$ 38 Dibromofluoromethane	111	10.679	10.661	(0.879)	2745485	100.000	60
39 Tetrahydrofuran	42	10.209	10.190	(0.841)	2130811	400.000	410(A)
40 1,1,1-Trichloroethane	97	10.627	10.626	(0.875)	6820526	200.000	160
41 Carbon Tetrachloride	117	10.923	10.905	(0.900)	6130173	200.000	170
42 2-Butanone	43	9.756	9.738	(0.803)	1980387	200.000	190
43 1,1-Dichloropropane	75	11.010	11.009	(0.907)	6870824	200.000	190
44 Cyclohexane	84	10.592	10.591	(0.872)	5303203	200.000	190
47 1-Chlorobutane	56	10.868	10.887	(0.897)	9157090	200.000	200
48 Propionitrile	54	10.052	10.016	(0.828)	5028035	2000.00	2000
49 Isobutyl Alcohol	42	11.480	11.427	(0.945)	739908	2000.00	2300(A)
50 Benzene	78	11.480	11.479	(0.945)	14496238	200.000	190
51 2-Methyl-2-Propenenitrile	41	10.261	10.243	(0.845)	3799788	200.000	200
\$ 52 1,2-Dichloroethane-d4	65	11.533	11.532	(0.950)	3023564	100.000	85
53 1,2-Dichloroethane	62	11.689	11.688	(0.963)	7962782	200.000	180
57 Methyl Cyclohexane	83	13.100	13.099	(1.079)	6427207	200.000	210(A)
58 Trichloroethene	130	12.856	12.856	(1.059)	3869674	200.000	190
59 Dibromomethane	93	13.623	13.622	(1.122)	4923382	200.000	170
60 1,2-Dichloropropane	63	13.396	13.396	(1.103)	5215095	200.000	190
61 Bromodichloromethane	83	13.902	13.901	(1.145)	10333908	200.000	190
62 Methyl Methacrylate	69	13.588	13.570	(1.119)	6033980	400.000	400(A)
63 1,4-Dioxane	58	13.640	13.622	(1.123)	1642987	10000.0	9700(A)
64 2-Chloroethylvinylether	63	14.494	14.493	(1.194)	1021738	200.000	270(A)
65 cis-1,3-Dichloropropene	75	14.720	14.719	(1.212)	8245212	200.000	240(A)
66 2-Nitropropane	41	14.459	14.458	(1.191)	2683072	400.000	400(A)
67 Chloroacetonitrile	48	14.651	14.632	(1.207)	2912420	4000.00	4100(A)
68 trans-1,3-Dichloropropane	75	15.713	15.712	(1.294)	5624643	200.000	240(A)
69 1,1,2-Trichloroethane	97	16.027	16.026	(1.320)	3719198	200.000	170
* 70 Chlorobenzene-d5	117	17.594	17.594	(1.000)	1150270	25.0000	
71 Toluene	91	15.225	15.225	(0.865)	13957235	200.000	210(A)
\$ 72 Toluene-d8	98	15.121	15.103	(0.859)	5582205	100.000	110
73 1,1-Dichloro-2-propanone	43	15.086	15.068	(0.857)	8417004	1000.00	1200(A)
74 4-Methyl-2-Pentanone	58	14.999	14.998	(0.852)	1354934	200.000	250(A)
75 Tetrachloroethene	164	16.096	16.096	(0.915)	2696263	200.000	160
76 Ethyl Methacrylate	69	15.783	15.765	(0.897)	3037677	200.000	240(A)
77 Dibromochloromethane	129	16.619	16.618	(0.945)	6017738	200.000	170
78 1,3-Dichloropropane	76	16.305	16.305	(0.927)	6766028	200.000	200(A)
79 1,2-Dibromoethane	107	16.828	16.827	(0.956)	4573379	200.000	170
80 2-Hexanone	43	16.392	16.392	(0.932)	2543020	200.000	240(A)
81 1-Chlorohexane	91	17.560	17.559	(0.998)	4742523	200.000	220(A)
82 Chlorobenzene	112	17.647	17.646	(1.003)	6765625	200.000	190
83 1,1,1,2-Tetrachloroethane	131	17.821	17.803	(1.013)	3783683	200.000	180
84 Ethylbenzene	106	17.803	17.785	(1.012)	3967859	200.000	210(A)
85 Xylene (total)mp	106	18.030	18.012	(1.025)	10134150	400.000	400(A)

0000109

Compounds	QUANT SIG MASS					AMOUNTS	
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	CN-CCL (ug/L)
86 Xylene (total)c	106	18.727	18.708	(1.064)	4914516	200.000	210(A)
87 Styrene	104	18.761	18.761	(1.066)	8585892	200.000	210(A)
88 Bromoform	173	19.075	19.074	(1.084)	4668798	200.000	190
* 89 1,4-Dichlorobenzene-d4	152	20.852	20.851	(1.000)	476726	25.0000	
90 Isopropylbenzene	105	19.249	19.231	(0.923)	13318009	200.000	220(A)
91 1,1,2,2-Tetrachloroethane	83	19.737	19.719	(0.947)	5505086	200.000	190
92 Bromobenzene	156	19.720	19.701	(0.946)	3472344	200.000	190
93 1,2,3-Trichloropropane	110	19.807	19.788	(0.950)	1121692	200.000	180
94 trans-1,4-Dichloro-2-Butene	53	19.824	19.806	(0.951)	1780350	400.000	490(A)
95 n-Propylbenzene	91	19.789	19.789	(0.949)	16127978	200.000	210(A)
96 2-Chlorotoluene	91	19.929	19.929	(0.956)	12464223	200.000	200(A)
97 4-Chlorotoluene	91	20.068	20.067	(0.962)	12801621	200.000	200
98 1,3,5-Trimethylbenzene	105	20.016	19.997	(0.960)	10520025	200.000	200(A)
99 tert-Butylbenzene	119	20.381	20.363	(0.977)	8647224	200.000	200(A)
100 1,2,4-Trimethylbenzene	105	20.451	20.433	(0.981)	10205688	200.000	200(A)
101 sec-Butylbenzene	105	20.608	20.607	(0.988)	12816677	200.000	200
102 4-Isopropyltoluene	119	20.765	20.764	(0.996)	9147989	200.000	190
103 1,3-Dichlorobenzene	146	20.782	20.781	(0.997)	5138243	200.000	180
104 1,4-Dichlorobenzene	146	20.887	20.886	(1.002)	5751441	200.000	190
105 1,2-Dichlorobenzene	146	21.252	21.252	(1.019)	5447430	200.000	190
106 Benzyl Chloride	126	21.026	21.025	(1.000)	629595	200.000	260(A)
107 n-Butylbenzene	91	21.183	21.164	(1.016)	10919992	200.000	210(A)
110 1,2-Dibromo-3-chloropropane	75	22.036	22.035	(1.057)	1408879	200.000	180
111 Nitrobenzene	77	22.280	22.262	(1.068)	2750282	200.000	2800(A)
112 1,2,4-Trichlorobenzene	180	22.855	22.837	(1.096)	3339659	200.000	190
113 Hexachlorobutadiene	225	22.959	22.941	(1.101)	2570525	200.000	170
114 Naphthalene	128	23.134	23.123	(1.109)	5323750	200.000	220(A)
115 1,2,3-Trichlorobenzene	180	23.412	23.394	(1.123)	3173344	200.000	180
S 116 Bromofluorobenzene	95	19.510	19.510	(0.936)	3828705	100.000	100
M 117 1,2-Dichloroethene (total)	100				8004377	400.000	360
M 118 Xylene (total)	100				15048566	600.000	620

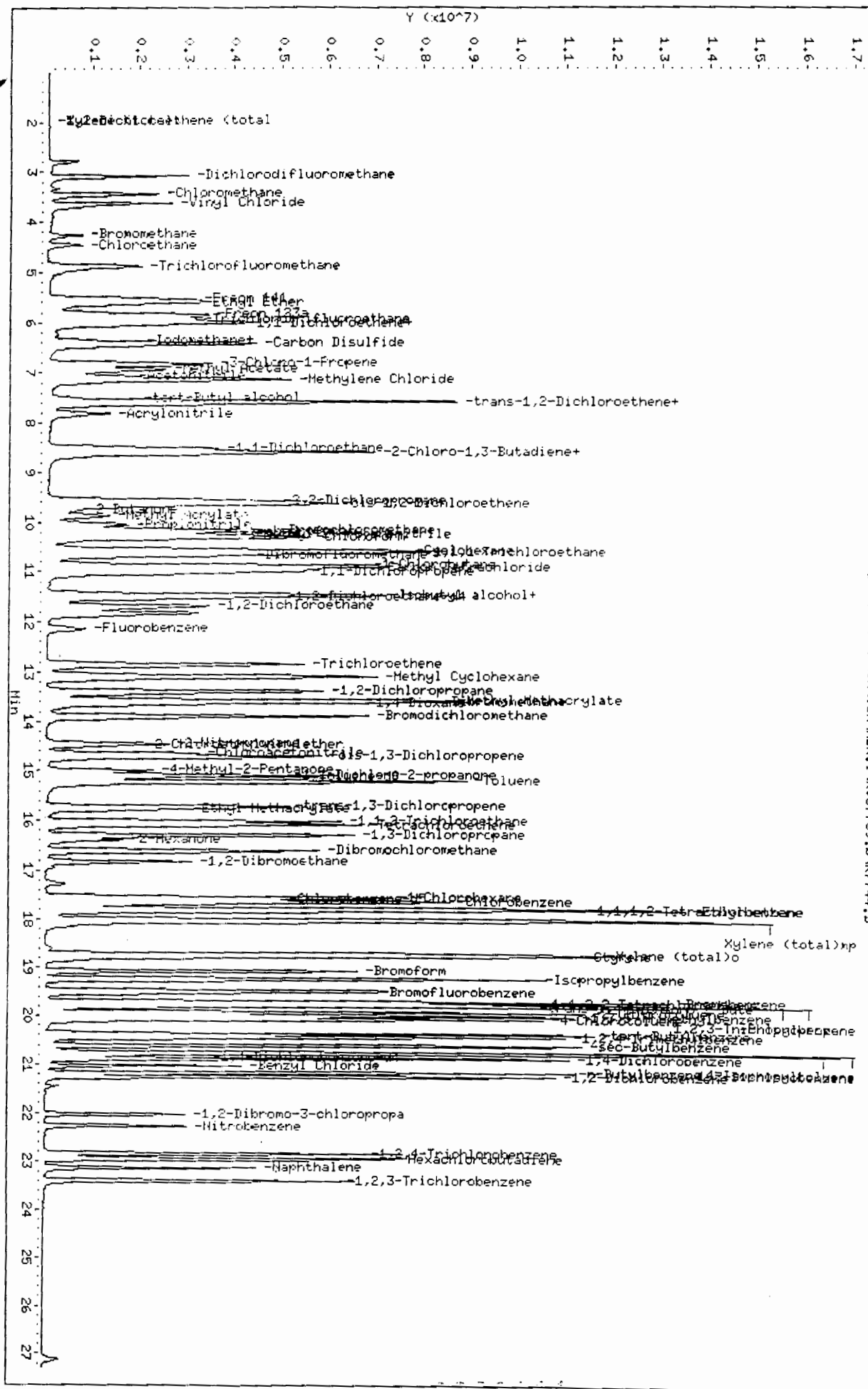
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Data File: \\TARGET1_CTF\Files\chem\Vin\Nmek.1\K07739.b\K7744.L
Date : 11-AUG-2003 12:18

Client ID: VSTD200KQ
Sample Info: VSTD200KQ
Purge Volume: 5.0
Column phase: DB-624

```
instrument: msk,i
Operator: D. HUBERT
Column diameter: 0.53
```



FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-CT

Contract:

Lab Code: STLCT

Case No.: 204351 SAS No.:

SDG No.: 204351

Instrument ID: MSK

Calibration Date: 08/12/03 Time: 0759

Lab File ID: K7771

Init. Calib. Date(s): 08/11/03 08/11/03

Heated Purge: (Y/N) N

Init. Calib. Times: 0805 1218

GC Column: DB-624 ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.441	0.443	0.01	0.4	100
Chloromethane	0.450	0.351	0.1	22.0	100
Vinyl Chloride	0.385	0.312	0.01	19.0	20.0
Bromomethane	0.123	0.177	0.01	43.9	100
Chloroethane	0.175	0.209	0.01	19.4	100
Trichlorofluoromethane	0.524	0.603	0.01	15.1	100
Ethyl Ether	0.501	0.464	0.01	7.4	100
Freon 141	0.720	0.771	0.01	7.1	100
Freon 123a	0.114	0.156	0.01	36.8	100
Trichlorotrifluoroethane	0.402	0.515	0.01	28.1	100
Acrolein	0.040	0.020	0.001	50.0	100
1,1-Dichloroethene	0.235	0.257	0.01	9.4	20.0
Acetone	0.138	0.135	0.01	2.2	100
Iodomethane	0.346	0.501	0.01	44.8	100
Carbon Disulfide	1.070	1.065	0.01	0.5	100
3-Chloro-1-Propene	0.563	0.464	0.01	17.6	100
tert-Butyl alcohol	0.018	0.010	0.001	44.4	100
Methylene Chloride	0.390	0.396	0.01	1.5	100
Methyl tert-Butyl Ether	0.728	0.598	0.01	17.8	100
Ethyl Acetate	0.130	0.091	0.01	30.0	100
trans-1,2-Dichloroethene	0.334	0.347	0.01	3.9	100
Acrylonitrile	0.100	0.072	0.01	28.0	100
1,1-Dichloroethane	0.824	0.756	0.1	8.2	100
2,2-Dichloropropane	0.610	0.582	0.01	4.6	100
cis-1,2-Dichloroethene	0.365	0.394	0.01	7.9	100
2-Butanone	0.162	0.130	0.01	19.8	100
Methyl Acrylate	0.267	0.226	0.01	15.4	100
Propionitrile	0.040	0.028	0.01	30.0	100
Bromochloromethane	0.209	0.231	0.01	10.5	100
2-Methyl-2-Propenenitrile	0.305	0.241	0.01	21.0	100
Tetrahydrofuran	0.082	0.068	0.01	17.1	100
Chloroform	0.875	0.887	0.01	1.4	20.0
1,1,1-Trichloroethane	0.660	0.653	0.01	1.1	100
1-Chlorobutane	0.733	0.711	0.01	3.0	100
Carbon Tetrachloride	0.572	0.686	0.01	19.9	100
Chloroacetonitrile	0.011	0.009	0.001	18.2	100
1,1-Dichloropropene	0.571	0.586	0.01	2.6	100

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-CT

Contract:

Lab Code: STLCT

Case No.: 204351 SAS No.:

SDG No.: 204351

Instrument ID: MSK

Calibration Date: 08/12/03 Time: 0759

Lab File ID: K7771

Init. Calib. Date(s): 08/11/03 08/11/03

Heated Purge: (Y/N) N

Init. Calib. Times: 0805 1218

GC Column: DB-624

ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
=====	=====	=====	=====	=====	=====
Benzene	1.183	1.052	0.01	11.1	100
1,2-Dichloroethane	0.699	0.691	0.01	1.1	100
2-Chloro-1,3-Butadiene	0.226	0.231	0.01	2.2	100
Vinyl Acetate	0.644	0.511	0.01	20.6	100
Trichloroethene	0.329	0.429	0.01	30.4	100
1,2-Dichloropropane	0.423	0.423	0.01	0.0	20.0
Methyl Methacrylate	0.236	0.241	0.01	2.1	100
1,4-Dioxane	0.002	0.002	0.001	0.0	100
Dibromomethane	0.453	0.559	0.01	23.4	100
Bromodichloromethane	0.871	1.044	0.01	19.9	100
2-Nitropropane	0.105	0.095	0.01	9.5	100
2-Chloroethylvinylether	0.060	0.053	0.001	11.7	100
cis-1,3-Dichloropropene	0.538	0.502	0.01	6.7	100
trans-1,3-Dichloropropene	0.363	0.342	0.01	5.8	100
1,1,2-Trichloroethane	0.343	0.374	0.01	9.0	100
4-Methyl-2-Pentanone	0.113	0.101	0.01	10.6	100
Toluene	1.470	1.385	0.01	5.8	20.0
Ethyl Methacrylate	0.278	0.264	0.01	5.0	100
Tetrachloroethene	0.373	0.490	0.01	31.4	100
1,3-Dichloropropane	0.733	0.722	0.01	1.5	100
2-Hexanone	0.227	0.208	0.01	8.4	100
Dibromochloromethane	0.792	1.017	0.01	28.4	100
1,2-Dibromoethane	0.575	0.654	0.01	13.7	100
1,1-Dichloro-2-propanone	0.158	0.148	0.01	6.3	100
1-Chlorohexane	0.462	0.454	0.01	1.7	100
Chlorobenzene	1.025	1.071	0.3	4.5	100
1,1,1,2-Tetrachloroethane	0.465	0.600	0.01	29.0	100
Ethylbenzene	0.420	0.437	0.01	4.0	20.0
Xylene (total)mp	0.545	0.527	0.01	3.3	100
Xylene (total)o	0.504	0.518	0.01	2.8	100
Styrene	0.896	0.886	0.01	1.1	100
Bromoform	0.533	0.710	0.1	33.2	100
Isopropylbenzene	3.122	3.091	0.01	1.0	100
1,1,2,2-Tetrachloroethane	1.492	1.460	0.3	2.1	100
Bromobenzene	0.948	1.027	0.01	8.3	100
1,2,3-Trichloropropane	0.322	0.313	0.01	2.8	100
trans-1,4-Dichloro-2-Butene	0.189	0.160	0.01	15.3	100

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-CT

Contract:

Lab Code: STLCT

Case No.: 204351

SAS No.:

SDG No.: 204351

Instrument ID: MSK

Calibration Date: 08/12/03

Time: 0759

Lab File ID: K7771

Init. Calib. Date(s): 08/11/03

08/11/03

Heated Purge: (Y/N) N

Init. Calib. Times:

0805

1218

GC Column: DB-624

ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
=====	=====	=====	=====	=====	=====
n-Propylbenzene	3.988	3.619	0.01	9.2	100
2-Chlorotoluene	3.236	3.299	0.01	1.9	100
4-Chlorotoluene	3.369	3.077	0.01	8.7	100
1,3,5-Trimethylbenzene	2.739	2.469	0.01	9.8	100
tert-Butylbenzene	2.232	2.288	0.01	2.5	100
1,2,4-Trimethylbenzene	2.662	2.449	0.01	8.0	100
sec-Butylbenzene	3.393	3.238	0.01	4.6	100
4-Isopropyltoluene	2.510	2.399	0.01	4.4	100
1,3-Dichlorobenzene	1.495	1.438	0.01	3.8	100
1,4-Dichlorobenzene	1.607	1.617	0.01	0.6	100
1,2-Dichlorobenzene	1.488	1.506	0.01	1.2	100
Benzyl Chloride	0.119	0.102	0.01	14.3	100
Pentachloroethane		0.023			100
n-Butylbenzene	2.746	2.617	0.01	4.7	100
1,2-Dibromo-3-chloropropane	0.401	0.424	0.01	5.7	100
Nitrobenzene	0.052	0.034	0.01	34.6	100
1,2,4-Trichlorobenzene	0.935	0.943	0.01	0.8	100
Hexachlorobutadiene	0.815	0.899	0.01	10.3	100
Naphthalene	1.290	0.926	0.01	28.2	100
1,2,3-Trichlorobenzene	0.913	0.817	0.01	10.5	100
Xylene (total)	0.531	0.524	0.01	1.3	100
1,2-Dichloroethene (total)	0.350	0.370	0.01	5.7	100
Methyl Cyclohexane	0.488	0.496	0.01	1.6	100
Cyclohexane	0.434	0.425	0.01	2.1	100
Methyl Acetate	0.713	0.565	0.01	20.8	100
Acetonitrile	0.038	0.029	0.001	23.7	100
Isobutyl Alcohol	0.005	0.004	0.001	20.0	100
Dichlorofluoromethane			0.01		100
1-Bromopropane		0.063	0.01		100
=====	=====	=====	=====	=====	=====
Dibromofluoromethane	0.646	0.779	0.01	20.6	100
1,2-Dichloroethane-d4	0.558	0.558	0.01	0.0	100
Toluene-d8	1.130	1.163	0.01	2.9	100
Bromofluorobenzene	1.942	2.189	0.01	12.7	100

STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\Files\chem\VOA\msk.i\K037771.b\K7771.D
Lab Smp Id: VSTD050KS Client Smp ID: VSTD050KS
Inj Date : 12-AUG-2003 07:59 MS Autotune Date: 01-JUL-2002 12:47
Operator : D. HUMBERT Inst ID: msk.i
Smp Info : VSTD050KS
Misc Info : : ;;; VSTD050KS ; 8260B ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\FILES\chem\VOA\msk.i\K037771.b\K8260BFW.m
Meth Date : 12-Aug-2003 08:53 dave Quant Type: ISTD
Cal Date : 11-AUG-2003 10:04 Cal File: K7740.D
Als bottle: 15 Continuing Calibration Sample
Dil Factor: 1.00000 Compound Sublist: 8260BAP9.sub
Integrator: HP RTE
Target Version: 4.10
Processing Host: CONMSLNT

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

D.H.
5/12/03

Compounds	QUANT SIG						AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
-----	----	----	----	-----	-----	-----	-----	-----
* 1 Fluorobenzene	96		12.197	12.197	(1.000)	1488201	25.0000	
2 Dichlorodifluoromethane	85		3.121	3.121	(0.256)	1319831	50.0000	50
3 Chloromethane	50		3.487	3.487	(0.286)	1043802	50.0000	39
4 Vinyl Chloride	62		3.679	3.679	(0.302)	927340	50.0000	40
5 Bromomethane	94		4.323	4.323	(0.354)	525668	50.0000	72
6 Chloroethane	64		4.515	4.515	(0.370)	621219	50.0000	60
8 Trichlorofluoromethane	101		4.985	4.985	(0.409)	1794240	50.0000	57
9 Ethyl Ether	45		5.612	5.612	(0.460)	1379946	50.0000	46
10 Freon 141	81		5.612	5.612	(0.460)	2294008	50.0000	54
11 Freon 123a	67		5.874	5.874	(0.482)	465032	50.0000	63
12 Trichlorotrifluoroethane	101		6.030	6.030	(0.494)	1533497	50.0000	64
13 1,1-Dichloroethene	96		6.083	6.083	(0.499)	764411	50.0000	55
14 Carbon Disulfide	76		6.518	6.518	(0.534)	3171122	50.0000	50
15 Iodomethane	142		6.448	6.448	(0.529)	1490985	50.0000	72
16 3-Chloro-1-Propene	41		6.901	6.901	(0.566)	1382049	50.0000	41
17 Methylene Chloride	84		7.215	7.215	(0.592)	1178507	50.0000	51
18 Acetone	43		6.379	6.379	(0.523)	401686	50.0000	49
19 trans-1,2-Dichloroethene	96		7.668	7.668	(0.629)	1031855	50.0000	52
20 Methyl tert-Butyl Ether	73		7.650	7.650	(0.627)	1779943	50.0000	41
21 Acrolein	56		6.048	6.048	(0.496)	302389	250.000	130
22 tert-Butyl alcohol	59		7.494	7.494	(0.614)	149014	250.000	140
23 Methyl Acetate	43		6.988	6.988	(0.573)	1680668	50.0000	40

0000115

Compounds	QUANT SIG						AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ug/L)	ON-COL (ug/L)
24 Acetonitrile	41	7.093	7.093	(0.582)	863230		500.000	380
27 Acrylonitrile	53	7.877	7.877	(0.646)	428507		100.000	72
28 2-Chloro-1,3-Butadiene	88	8.678	8.678	(0.712)	688545		50.0000	51
29 1,1-Dichloroethane	63	8.591	8.591	(0.704)	2251939		50.0000	46
30 Vinyl Acetate	43	8.661	8.661	(0.710)	1521615		50.0000	40
31 cis-1,2-Dichloroethene	96	9.723	9.723	(0.797)	1173076		50.0000	54
32 2,2-Dichloropropane	77	9.654	9.654	(0.791)	1733864		50.0000	48
34 Bromochloromethane	128	10.246	10.246	(0.840)	688834		50.0000	55
35 Chloroform	83	10.368	10.368	(0.850)	2639996		50.0000	51
36 Ethyl Acetate	43	7.650	7.650	(0.627)	544473		100.000	70 H
37 Methyl Acrylate	55	9.950	9.950	(0.816)	671333		50.0000	42
\$ 38 Dibromofluoromethane	111	10.768	10.768	(0.883)	1159436		25.0000	30
39 Tetrahydrofuran	42	10.263	10.263	(0.841)	405904		100.000	83
40 1,1,1-Trichloroethane	97	10.699	10.699	(0.877)	1944433		50.0000	49
41 Carbon Tetrachloride	117	10.995	10.995	(0.901)	2040830		50.0000	60
42 2-Butanone	43	9.810	9.810	(0.804)	387882		50.0000	40
43 1,1-Dichloropropene	75	11.082	11.082	(0.909)	1744239		50.0000	51
44 Cyclohexane	84	10.664	10.664	(0.874)	1265821		50.0000	49
47 1-Chlorobutane	56	10.977	10.977	(0.900)	2116184		50.0000	48
48 Propionitrile	54	10.089	10.089	(0.827)	848037		500.000	350
49 Isobutyl Alcohol	42	11.500	11.500	(0.943)	137718		500.000	360
50 Benzene	78	11.552	11.552	(0.947)	3132685		50.0000	44
51 2-Methyl-2-Propenenitrile	41	10.333	10.333	(0.847)	717251		50.0000	39
\$ 52 1,2-Dichloroethane-d4	65	11.587	11.587	(0.950)	830242		25.0000	25
53 1,2-Dichloroethane	62	11.761	11.761	(0.964)	2056374		50.0000	49
57 Methyl Cyclohexane	83	13.155	13.155	(1.079)	1476742		50.0000	51
58 Trichloroethene	130	12.911	12.911	(1.059)	1277082		50.0000	65
59 Dibromomethane	93	13.677	13.677	(1.121)	1665197		50.0000	62
60 1,2-Dichloropropane	63	13.451	13.451	(1.103)	1258700		50.0000	50
61 Bromodichloromethane	83	13.939	13.939	(1.143)	3108145		50.0000	60
62 Methyl Methacrylate	69	13.608	13.608	(1.116)	1433573		100.000	100
63 1,4-Dioxane	58	13.677	13.677	(1.121)	251828		2500.00	1600
64 2-Chloroethylvinylether	63	14.513	14.513	(1.190)	159029		50.0000	44
65 cis-1,3-Dichloropropene	75	14.757	14.757	(1.210)	1494510		50.0000	47
66 2-Nitropropane	41	14.496	14.496	(1.189)	567656		100.000	91
67 Chloroacetonitrile	48	14.670	14.670	(1.203)	561027		1000.00	840
68 trans-1,3-Dichloropropene	75	15.750	15.750	(1.291)	1018024		50.0000	47
69 1,1,2-Trichloroethane	97	16.046	16.046	(1.316)	1112827		50.0000	55
* 70 Chlorobenzene-d5	117	17.632	17.632	(1.000)	1173817		25.0000	
71 Toluene	91	15.263	15.263	(0.866)	3251144		50.0000	47
\$ 72 Toluene-d8	58	15.141	15.141	(0.859)	1265565		25.0000	26
73 1,1-Dichloro-2-propanone	43	15.106	15.106	(0.857)	1738166		250.000	230
74 4-Methyl-2-Pentanone	58	15.019	15.019	(0.852)	237845		50.0000	45
75 Tetrachloroethene	164	16.133	16.133	(0.915)	1149359		50.0000	66
76 Ethyl Methacrylate	69	15.785	15.785	(0.895)	620018		50.0000	47
77 Dibromochloromethane	129	16.639	16.639	(0.944)	2388407		50.0000	64
78 1,3-Dichloropropane	76	16.325	16.325	(0.926)	1695090		50.0000	49
79 1,2-Dibromoethane	107	16.848	16.848	(0.956)	1535642		50.0000	57
80 2-Hexanone	43	16.412	16.412	(0.931)	489003		50.0000	46
81 1-Chlorohexane	91	17.579	17.579	(0.997)	1066564		50.0000	49
82 Chlorobenzene	112	17.666	17.666	(1.002)	2513962		50.0000	52
83 1,1,1,2-Tetrachloroethane	131	17.841	17.841	(1.012)	1408880		50.0000	65
84 Ethylbenzene	106	17.806	17.806	(1.010)	1025536		50.0000	52
85 Xylene (total)mp	106	18.050	18.050	(1.024)	2473135		100.000	97

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)
86 Xylene (total)o	106	18.746	18.746	(1.063)	1216581	50.0000	51
87 Styrene	104	18.781	18.781	(1.065)	2081221	50.0000	49
88 Bromoform	173	19.095	19.095	(1.083)	1666267	50.0000	67
* 89 1,4-Dichlorobenzene-d4	152	20.871	20.871	(1.000)	557567	25.0000	
90 Isopropylbenzene	105	19.251	19.251	(0.922)	3508828	50.0000	50
91 1,1,2,2-Tetrachloroethane	83	19.757	19.757	(0.947)	1657888	50.0000	49
92 Bromobenzene	156	19.739	19.739	(0.946)	1165933	50.0000	54
93 1,2,3-Trichloropropane	110	19.826	19.826	(0.950)	355161	50.0000	49
94 trans-1,4-Dichloro-2-Butene	53	19.826	19.826	(0.950)	364258	100.000	88
95 n-Propylbenzene	91	19.809	19.809	(0.949)	4107816	50.0000	45
96 2-Chlorotoluene	91	19.948	19.948	(0.956)	3745120	50.0000	81
97 4-Chlorotoluene	91	20.088	20.088	(0.962)	3492835	50.0000	46
98 1,3,5-Trimethylbenzene	105	20.018	20.018	(0.959)	2802464	50.0000	45
99 tert-Butylbenzene	119	20.384	20.384	(0.977)	2597579	50.0000	51
100 1,2,4-Trimethylbenzene	105	20.453	20.453	(0.980)	2780409	50.0000	46
101 sec-Butylbenzene	105	20.628	20.628	(0.988)	3675813	50.0000	48
102 4-Isopropyltoluene	119	20.784	20.784	(0.996)	2722751	50.0000	48
103 1,3-Dichlorobenzene	146	20.802	20.802	(0.997)	1632849	50.0000	48
104 1,4-Dichlorobenzene	146	20.906	20.906	(1.002)	1838456	50.0000	50
105 1,2-Dichlorobenzene	146	21.272	21.272	(1.019)	1710023	50.0000	51
106 Benzyl Chloride	126	21.046	21.046	(1.008)	115555	50.0000	43
107 n-Butylbenzene	91	21.185	21.185	(1.015)	2971123	50.0000	48
110 1,2-Dibromo-3-chloropropane	75	22.056	22.056	(1.057)	461041	50.0000	53
111 Nitrobenzene	77	22.300	22.300	(1.068)	387678	500.000	330
112 1,2,4-Trichlorobenzene	180	22.875	22.875	(1.096)	1070171	50.0000	50
113 Hexachlorobutadiene	225	22.979	22.979	(1.101)	1020311	50.0000	55
114 Naphthalene	128	23.171	23.171	(1.110)	1050718	50.0000	36
115 1,2,3-Trichlorobenzene	180	23.432	23.432	(1.123)	927370	50.0000	45
\$ 116 Bromofluorobenzene	95	19.530	19.530	(0.936)	1242220	25.0000	28
M 117 1,2-Dichloroethene (total)	100				2204933	100.000	110
M 118 Xylene (total)	100				3689716	150.000	150

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: \\TARGET1_CTF\files\Nchem\W08\mek.1\K037771.b\K7771.D

Date : 12-AUG-2003 07:59

Client ID: VSTD050KS

Sample Info: VSTD050XS

Purge Volume: 5.0

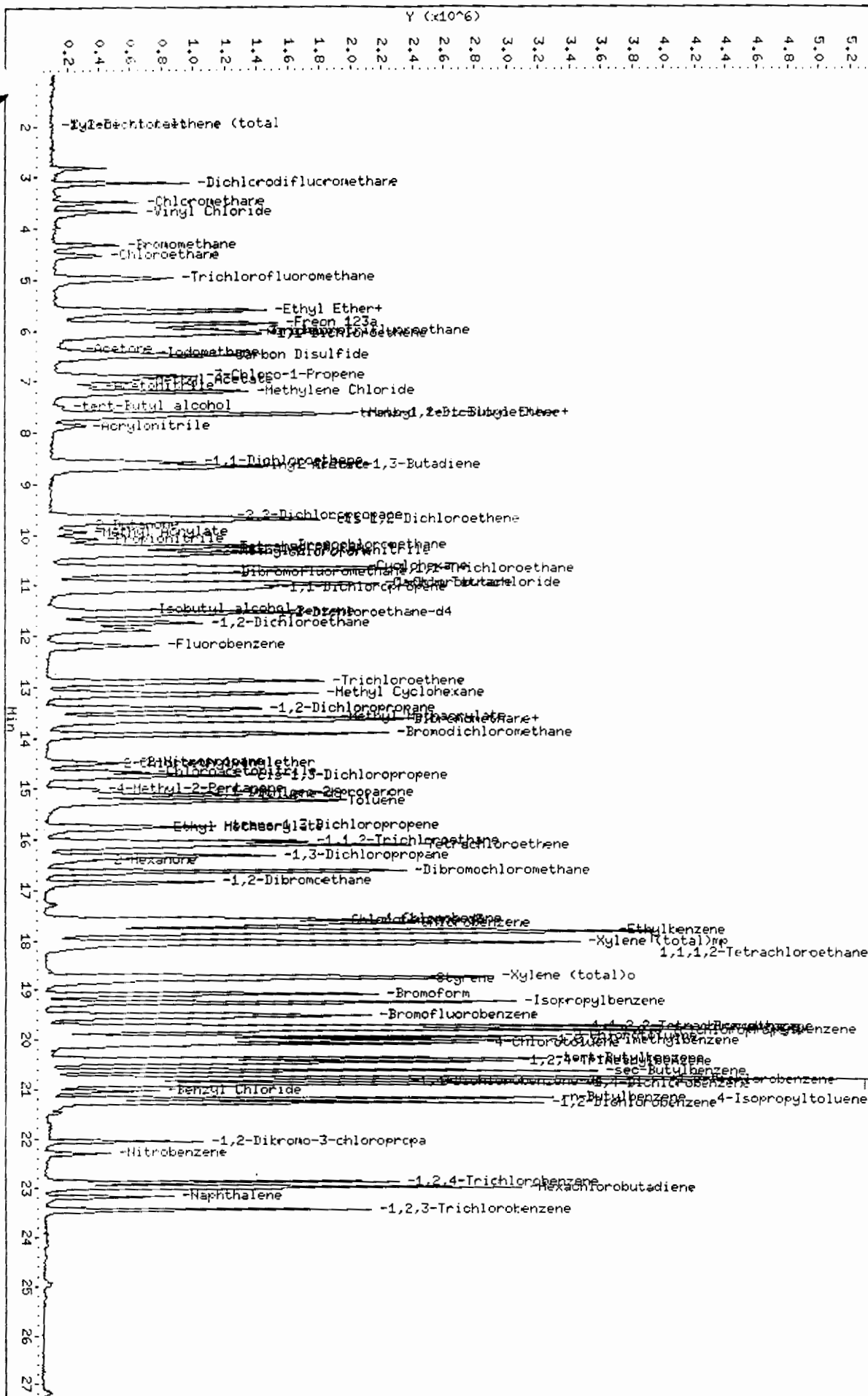
Column phase: DB-624

instrument: msk,1

Operator: D. HUMBERT

Column diameter: 0.53

\\TARGET1_C\Files\clem\VOA\msk.i\K037771.b\K7771.D



FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-CT

Contract:

Lab Code: STLCT

Case No.: 204351 SAS No.:

SDG No.: 204351

Instrument ID: MSK

Calibration Date: 08/13/03 Time: 0801

Lab File ID: K7798

Init. Calib. Date(s): 08/11/03 08/11/03

Heated Purge: (Y/N) N

Init. Calib. Times: 0805 1218

GC Column: DB-624 ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.441	0.463	0.01	5.0	100
Chloromethane	0.450	0.464	0.1	3.1	100
Vinyl Chloride	0.385	0.399	0.01	3.6	20.0
Bromomethane	0.123	0.123	0.01	0.0	100
Chloroethane	0.175	0.221	0.01	26.3	100
Trichlorofluoromethane	0.524	0.540	0.01	3.0	100
Ethyl Ether	0.501	0.524	0.01	4.6	100
Freon 141	0.720	0.735	0.01	2.1	100
Freon 123a	0.114	0.127	0.01	11.4	100
Trichlorotrifluoroethane	0.402	0.447	0.01	11.2	100
Acrolein	0.040	0.023	0.001	42.5	100
1,1-Dichloroethene	0.235	0.257	0.01	9.4	20.0
Acetone	0.138	0.184	0.01	33.3	100
Iodomethane	0.346	0.363	0.01	4.9	100
Carbon Disulfide	1.070	1.141	0.01	6.6	100
3-Chloro-1-Propene	0.563	0.563	0.01	0.0	100
tert-Butyl alcohol	0.018	0.014	0.001	22.2	100
Methylene Chloride	0.390	0.410	0.01	5.1	100
Methyl tert-Butyl Ether	0.728	0.725	0.01	0.4	100
Ethyl Acetate	0.130	0.124	0.01	4.6	100
trans-1,2-Dichloroethene	0.334	0.367	0.01	9.9	100
Acrylonitrile	0.100	0.110	0.01	10.0	100
1,1-Dichloroethane	0.824	0.865	0.1	5.0	100
2,2-Dichloropropane	0.610	0.625	0.01	2.4	100
cis-1,2-Dichloroethene	0.365	0.410	0.01	12.3	100
2-Butanone	0.162	0.189	0.01	16.7	100
Methyl Acrylate	0.267	0.289	0.01	8.2	100
Propionitrile	0.040	0.043	0.01	7.5	100
Bromochloromethane	0.209	0.220	0.01	5.3	100
2-Methyl-2-Propenenitrile	0.305	0.343	0.01	12.4	100
Tetrahydrofuran	0.082	0.094	0.01	14.6	100
Chloroform	0.875	0.875	0.01	0.0	20.0
1,1,1-Trichloroethane	0.660	0.679	0.01	2.9	100
1-Chlorobutane	0.733	0.855	0.01	16.6	100
Carbon Tetrachloride	0.572	0.585	0.01	2.3	100
Chloroacetonitrile	0.011	0.013	0.001	18.2	100
1,1-Dichloropropene	0.571	0.633	0.01	10.8	100

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-CT

Contract:

Lab Code: STLCT

Case No.: 204351 SAS No.:

SDG No.: 204351

Instrument ID: MSK

Calibration Date: 08/13/03 Time: 0801

Lab File ID: K7798

Init. Calib. Date(s): 08/11/03 08/11/03

Heated Purge: (Y/N) N

Init. Calib. Times: 0805 1218

GC Column: DB-624 ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Benzene	1.183	1.300	0.01	9.9	100
1,2-Dichloroethane	0.699	0.718	0.01	2.7	100
2-Chloro-1,3-Butadiene	0.226	0.256	0.01	13.3	100
Vinyl Acetate	0.644	0.712	0.01	10.6	100
Trichloroethene	0.329	0.351	0.01	6.7	100
1,2-Dichloropropane	0.423	0.484	0.01	14.4	20.0
Methyl Methacrylate	0.236	0.269	0.01	14.0	100
1,4-Dioxane	0.002	0.003	0.001	50.0	100
Dibromomethane	0.453	0.472	0.01	4.2	100
Bromodichloromethane	0.871	0.901	0.01	3.4	100
2-Nitropropane	0.105	0.114	0.01	8.6	100
2-Chloroethylvinylether	0.060	0.050	0.001	16.7	100
cis-1,3-Dichloropropene	0.538	0.540	0.01	0.4	100
trans-1,3-Dichloropropene	0.363	0.369	0.01	1.6	100
1,1,2-Trichloroethane	0.343	0.360	0.01	5.0	100
4-Methyl-2-Pentanone	0.113	0.130	0.01	15.0	100
Toluene	1.470	1.633	0.01	11.1	20.0
Ethyl Methacrylate	0.278	0.312	0.01	12.2	100
Tetrachloroethene	0.373	0.394	0.01	5.6	100
1,3-Dichloropropane	0.733	0.770	0.01	5.0	100
2-Hexanone	0.227	0.290	0.01	27.8	100
Dibromochloromethane	0.792	0.805	0.01	1.6	100
1,2-Dibromoethane	0.575	0.569	0.01	1.0	100
1,1-Dichloro-2-propanone	0.158	0.167	0.01	5.7	100
1-Chlorohexane	0.462	0.509	0.01	10.2	100
Chlorobenzene	1.025	1.081	0.3	5.5	100
1,1,1,2-Tetrachloroethane	0.465	0.488	0.01	4.9	100
Ethylbenzene	0.420	0.458	0.01	9.0	20.0
Xylene (total)mp	0.545	0.586	0.01	7.5	100
Xylene (total)o	0.504	0.564	0.01	11.9	100
Styrene	0.896	0.971	0.01	8.4	100
Bromoform	0.533	0.561	0.1	5.2	100
Isopropylbenzene	3.122	3.120	0.01	0.1	100
1,1,2,2-Tetrachloroethane	1.492	1.386	0.3	7.1	100
Bromobenzene	0.948	0.943	0.01	0.5	100
1,2,3-Trichloropropane	0.322	0.302	0.01	6.2	100
trans-1,4-Dichloro-2-Butene	0.189	0.182	0.01	3.7	100

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-CT

Contract:

Lab Code: STLCT

Case No.: 204351 SAS No.:

SDG No.: 204351

Instrument ID: MSK

Calibration Date: 08/13/03 Time: 0801

Lab File ID: K7798

Init. Calib. Date(s): 08/11/03 08/11/03

Heated Purge: (Y/N) N

Init. Calib. Times: 0805 1218

GC Column: DB-624 ID: 0.53 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
=====	=====	=====	=====	=====	=====
n-Propylbenzene	3.988	4.027	0.01	1.0	100
2-Chlorotoluene	3.236	3.366	0.01	4.0	100
4-Chlorotoluene	3.369	3.225	0.01	4.3	100
1,3,5-Trimethylbenzene	2.739	2.708	0.01	1.1	100
tert-Butylbenzene	2.232	2.434	0.01	9.0	100
1,2,4-Trimethylbenzene	2.662	2.627	0.01	1.3	100
sec-Butylbenzene	3.393	3.380	0.01	0.4	100
4-Isopropyltoluene	2.510	2.647	0.01	5.4	100
1,3-Dichlorobenzene	1.495	1.492	0.01	0.2	100
1,4-Dichlorobenzene	1.607	1.473	0.01	8.3	100
1,2-Dichlorobenzene	1.488	1.397	0.01	6.1	100
Benzyl Chloride	0.119	0.104	0.01	12.6	100
Pentachloroethane		0.018			100
n-Butylbenzene	2.746	2.798	0.01	1.9	100
1,2-Dibromo-3-chloropropane	0.401	0.357	0.01	11.0	100
Nitrobenzene	0.052	0.040	0.01	23.1	100
1,2,4-Trichlorobenzene	0.935	0.797	0.01	14.8	100
Hexachlorobutadiene	0.815	0.732	0.01	10.2	100
Naphthalene	1.290	0.996	0.01	22.8	100
1,2,3-Trichlorobenzene	0.913	0.736	0.01	19.4	100
Xylene (total)	0.531	0.579	0.01	9.0	100
1,2-Dichloroethene (total)	0.350	0.389	0.01	11.1	100
Methyl Cyclohexane	0.488	0.577	0.01	18.2	100
Cyclohexane	0.434	0.495	0.01	14.0	100
Methyl Acetate	0.713	0.766	0.01	7.4	100
Acetonitrile	0.038	0.046	0.001	21.0	100
Isobutyl Alcohol	0.005	0.005	0.001	0.0	100
Dichlorofluoromethane			0.01		100
1-Bromopropane		0.096	0.01		100
=====	=====	=====	=====	=====	=====
Dibromofluoromethane	0.646	0.673	0.01	4.2	100
1,2-Dichloroethane-d4	0.558	0.590	0.01	5.7	100
Toluene-d8	1.130	1.264	0.01	11.8	100
Bromofluorobenzene	1.942	1.888	0.01	2.8	100

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STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\\Files\\chem\\VOA\\msk.i\\K037798.b\\K7798.D
 Lab Smp Id: VSTD050KU Client Smp ID: VSTD050KU
 Inj Date : 13-AUG-2003 08:01 MS Autotune Date: 01-JUL-2002 12:47
 Operator : D. HUMBERT Inst ID: msk.i
 Smp Info : VSTD050KU
 Misc Info : : ;;; VSTD050KU ; 8260B ; 1 ; LLW
 Comment :
 Method : \\TARGET1_CT\\Files\\chem\\VOA\\msk.i\\K037798.b\\K82605FW.m
 Meth Date : 13-Aug-2003 08:21 kelli Quant Type: ISTD
 Cal Date : 11-AUG-2003 10:04 Cal File: K7740.D
 Als bottle: 15 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: 8260BAP9.sub
 Target Version: 4.10
 Processing Host: CONMSONT

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG						AMOUNTS	
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	CN-COL ug/L)
1 Fluorobenzene	96			12.176	12.176	(1.000)	1295997	25.0000	
2 Dichlorodifluoromethane	85			3.118	3.118	(0.256)	1200902	50.0000	53
3 Chloromethane	50			3.484	3.484	(0.286)	1202664	50.0000	52
4 Vinyl Chloride	62			3.676	3.676	(0.302)	1033782	50.0000	52
5 Bromomethane	94			4.303	4.303	(0.353)	319626	50.0000	50
6 Chloroethane	64			4.512	4.512	(0.371)	572667	50.0000	63
8 Trichlorofluoromethane	101			4.965	4.965	(0.408)	1400574	50.0000	52
9 Ethyl Ether	45			5.609	5.609	(0.461)	1357764	50.0000	52
10 Freon 141	81			5.592	5.592	(0.459)	1906115	50.0000	51
11 Freon 123a	67			5.871	5.871	(0.482)	330122	50.0000	56
12 Trichlorotrifluoroethane	101			5.992	5.992	(0.492)	1157983	50.0000	56
13 1,1-Dichloroethene	96			6.080	6.080	(0.499)	667228	50.0000	55
14 Carbon Disulfide	76			6.498	6.498	(0.534)	2958407	50.0000	53
15 Iodomethane	142			6.428	6.428	(0.528)	940305	50.0000	52
16 3-Chloro-1-Propene	41			6.881	6.881	(0.565)	1460468	50.0000	50
17 Methylene Chloride	84			7.177	7.177	(0.589)	1062436	50.0000	53
18 Acetone	43			6.358	6.358	(0.522)	478123	50.0000	67
19 trans-1,2-Dichloroethene	96			7.630	7.630	(0.627)	952473	50.0000	55
20 Methyl tert-Butyl Ether	71			7.612	7.612	(0.625)	1880285	50.0000	50
21 Acrolein	56			6.027	6.027	(0.495)	298773	250.000	140
22 tert-Butyl alcohol	59			7.473	7.473	(0.614)	186950	250.000	200
23 Methyl Acetate	43			6.968	6.968	(0.572)	1985804	50.0000	54

Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ug/L)	ON-COL (ug/L)
24 Acetonitrile	41	7.072	7.072	(0.581)	1205707	500.000	610
27 Acrylonitrile	53	7.839	7.839	(0.644)	568587	100.000	110
28 2-Chloro-1,3-Butadiene	88	8.658	8.658	(0.711)	664348	50.0000	57
29 1,1-Dichloroethane	63	8.553	8.553	(0.702)	2242571	50.0000	53
30 Vinyl Acetate	43	8.623	8.623	(0.708)	1845370	50.0000	55
31 cis-1,2-Dichloroethene	96	9.685	9.685	(0.795)	1062270	50.0000	56
32 2,2-Dichloropropane	77	9.633	9.633	(0.791)	1619565	50.0000	51
34 Bromochloromethane	129	10.208	10.208	(0.838)	571666	50.0000	53
35 Chloroform	63	10.347	10.347	(0.850)	2268991	50.0000	50
36 Ethyl Acetate	43	7.612	7.612	(0.625)	641460	100.000	54
37 Methyl Acrylate	55	9.894	9.894	(0.813)	749068	50.0000	54
\$ 38 Dibromofluoromethane	111	10.713	10.713	(0.880)	871901	25.0000	26
39 Tetrahydrofuran	42	10.225	10.225	(0.840)	488589	100.000	120
40 1,1,1-Trichloroethane	97	10.678	10.678	(0.877)	1759760	50.0000	51
41 Carbon Tetrachloride	117	10.957	10.957	(0.900)	1516513	50.0000	51
42 2-Butanone	42	9.772	9.772	(0.803)	491085	50.0000	59
43 1,1-Dichloropropene	75	11.044	11.044	(0.907)	1640741	50.0000	55
44 Cyclohexane	84	10.643	10.643	(0.874)	1282794	50.0000	57
47 1-Chlorobutane	56	10.939	10.939	(0.898)	2215849	50.0000	18
48 Propionitrile	54	10.051	10.051	(0.825)	1126568	500.000	540
49 Isobutyl Alcohol	42	11.445	11.445	(0.940)	142430	500.000	550
50 Benzene	78	11.514	11.514	(0.946)	3369309	50.0010	55
51 2-Methyl-2-Propenenitrile	41	10.278	10.278	(0.844)	890035	50.0000	56
\$ 52 1,2-Dichloroethane-d4	65	11.549	11.549	(0.949)	764161	25.0000	26
53 1,2-Dichloroethane	62	11.723	11.723	(0.963)	1861397	50.0000	51
57 Methyl Cyclohexane	83	13.117	13.117	(1.077)	1496128	50.0000	59
58 Trichloroethene	130	12.890	12.890	(1.059)	910076	50.0000	53
59 Dibromomethane	93	13.657	13.657	(1.122)	1224912	50.0000	52
60 1,2-Dichloropropane	63	13.413	13.413	(1.102)	1254530	50.0000	57
61 Bromodichloromethane	83	13.918	13.918	(1.143)	2335326	50.0000	52
62 Methyl Methacrylate	69	13.587	13.587	(1.116)	1396391	100.000	110
63 1,4-Dioxane	58	13.639	13.639	(1.120)	342482	2500.00	2500 (A)
64 2-Chloroethylvinylether	63	14.528	14.528	(1.193)	129856	50.0000	41
65 cis-1,3-Dichloropropene	75	14.754	14.754	(1.212)	1399621	50.0000	50
66 2-Nitropropane	41	14.476	14.476	(1.189)	590847	100.000	110
67 Chloroacetonitrile	48	14.667	14.667	(1.205)	695489	1000.00	1200
68 trans-1,3-Dichloropropene	75	15.747	15.747	(1.293)	956929	50.0000	51
69 1,1,2-Trichloroethane	97	16.043	16.043	(1.318)	933178	50.0000	52
* 70 Chlorobenzene-d5	117	17.611	17.611	(1.000)	996048	25.0000	
71 Toluene	91	15.259	15.259	(0.866)	3253851	50.0000	56
\$ 72 Toluene-d8	98	15.137	15.137	(0.860)	1259148	25.0000	28
73 1,1-Dichloro-2-propanone	43	15.103	15.103	(0.858)	1667318	250.000	260
74 4-Methyl-2-Pentanone	58	15.016	15.016	(0.853)	258595	50.0000	57
75 Tetrachloroethene	164	16.113	16.113	(0.915)	784242	50.0000	53
76 Ethyl Methacrylate	69	15.799	15.799	(0.897)	622606	50.0000	56
77 Dibromochloromethane	129	16.636	16.636	(0.945)	1603859	50.0000	51
78 1,3-Dichloropropane	76	16.322	16.322	(0.927)	1533366	50.0000	52
79 1,2-Dibromoethane	107	16.845	16.845	(0.956)	1133122	50.0000	49
80 2-Hexanone	43	16.409	16.409	(0.932)	577418	50.0000	64
81 1-Chlorohexane	91	17.576	17.576	(0.998)	1014780	50.0000	55
82 Chlorobenzene	112	17.681	17.681	(1.004)	2153967	50.0000	53
83 1,1,1,2-Tetrachloroethane	131	17.837	17.837	(1.013)	973100	50.0000	53
84 Ethylbenzene	106	17.803	17.803	(1.011)	911462	50.0000	54
85 Xylene (total)mp	106	18.046	18.046	(1.025)	2334881	100.000	110

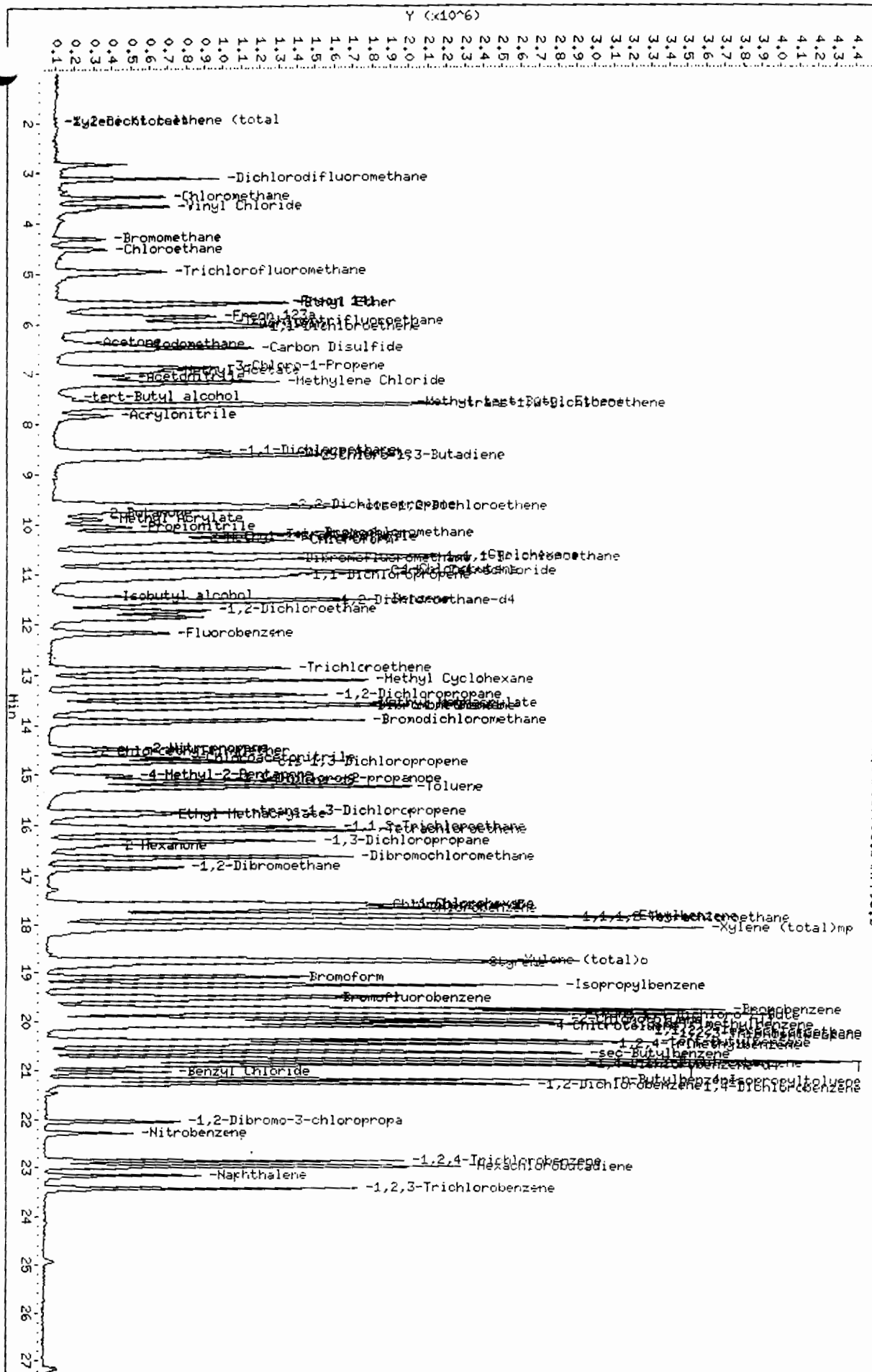
Compounds	QUANT SIG				RESPONSE	AMOUNTS	
	MASS	RT	EXP RT	REL RT		CAL-AMT (ug/L)	ON-COL (ug/L)
86 Xylene (total)o	106	18.726	18.726	(1.063)	1124435	50.0000	56
87 Styrene	104	18.778	18.778	(1.066)	1933746	50.0000	54
88 Bromoform	173	19.092	19.092	(1.084)	1119359	50.0000	53
* 89 1,4-Dichlorobenzene-d4	152	20.868	20.868	(1.000)	498163	25.0000	
90 Isopropylbenzene	105	19.248	19.248	(0.922)	3108341	50.0000	50
91 1,1,2,2-Tetrachloroethane	83	19.736	19.736	(0.946)	1381405	50.0000	46
92 Bromobenzene	156	19.719	19.719	(0.945)	939592	50.0000	50
93 1,2,3-Trichloropropane	110	19.806	19.806	(0.949)	300869	50.0000	47
94 trans-1,4-Dichloro-2-Butene	53	19.823	19.823	(0.950)	363071	50.0000	46
95 n-Propylbenzene	91	19.788	19.788	(0.948)	4012604	50.0000	51
96 2-Chlorotoluene	91	19.945	19.945	(0.956)	3353833	50.0000	52
97 4-Chlorotoluene	91	20.084	20.084	(0.962)	3213356	50.0000	48
98 1,3,5-Trimethylbenzene	105	20.015	20.015	(0.959)	2698530	50.0000	49
99 tert-Butylbenzene	118	20.381	20.381	(0.977)	2425424	50.0000	55
100 1,2,4-Trimethylbenzene	106	20.450	20.450	(0.980)	2617720	50.0000	49
101 sec-Butylbenzene	105	20.624	20.624	(0.988)	3367956	50.0000	50
102 4-Isopropyltoluene	119	20.764	20.764	(0.995)	2637216	50.0000	53
103 1,3-Dichlorobenzene	146	20.799	20.799	(0.997)	1486848	50.0000	51
104 1,4-Dichlorobenzene	146	20.886	20.886	(1.001)	1467879	50.0000	46
105 1,2-Dichlorobenzene	146	21.269	21.269	(1.019)	1391530	50.0000	47
106 Benzyl Chloride	126	21.025	21.025	(1.008)	104172	50.0000	44
107 n-Butylbenzene	91	21.182	21.182	(1.015)	2788076	50.0000	51
110 1,2-Dibromo-3-chloropropane	78	22.035	22.035	(1.056)	355773	50.0000	48
111 Nitrobenzene	77	22.279	22.279	(1.068)	398880	500.000	390
112 1,2,4-Trichlorobenzene	180	22.854	22.854	(1.095)	794386	50.0000	43
113 Hexachlorobutadiene	225	22.959	22.959	(1.100)	728877	50.0000	45
114 Naphthalene	128	23.150	23.150	(1.109)	992309	50.0000	39
115 1,2,3-Trichlorobenzene	180	23.412	23.412	(1.122)	733056	50.0000	40
\$ 116 Bromofluorobenzene	95	19.527	19.527	(0.935)	940763	25.0000	24
M 117 1,2-Dichloroethene (total)	100				2014743	100.000	110
M 118 Xylene (total)	100				3459316	150.000	160

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

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Date : 13-AUG-2003 08:01
Client ID: VSTD050KU
Sample Info: VSTD050KU
Purge Volume: 5.0
Column phase: DB-624

Instrument: msk.i
Operator: D. HUBERT
Column diameter: 0.53



Data File: \\TARGET1_CT\FILES\chem\VOA\msk.i\K037739.b\KB457.D

Page 1

Date : 11-AUG-2003 07:34

Client ID: BFB

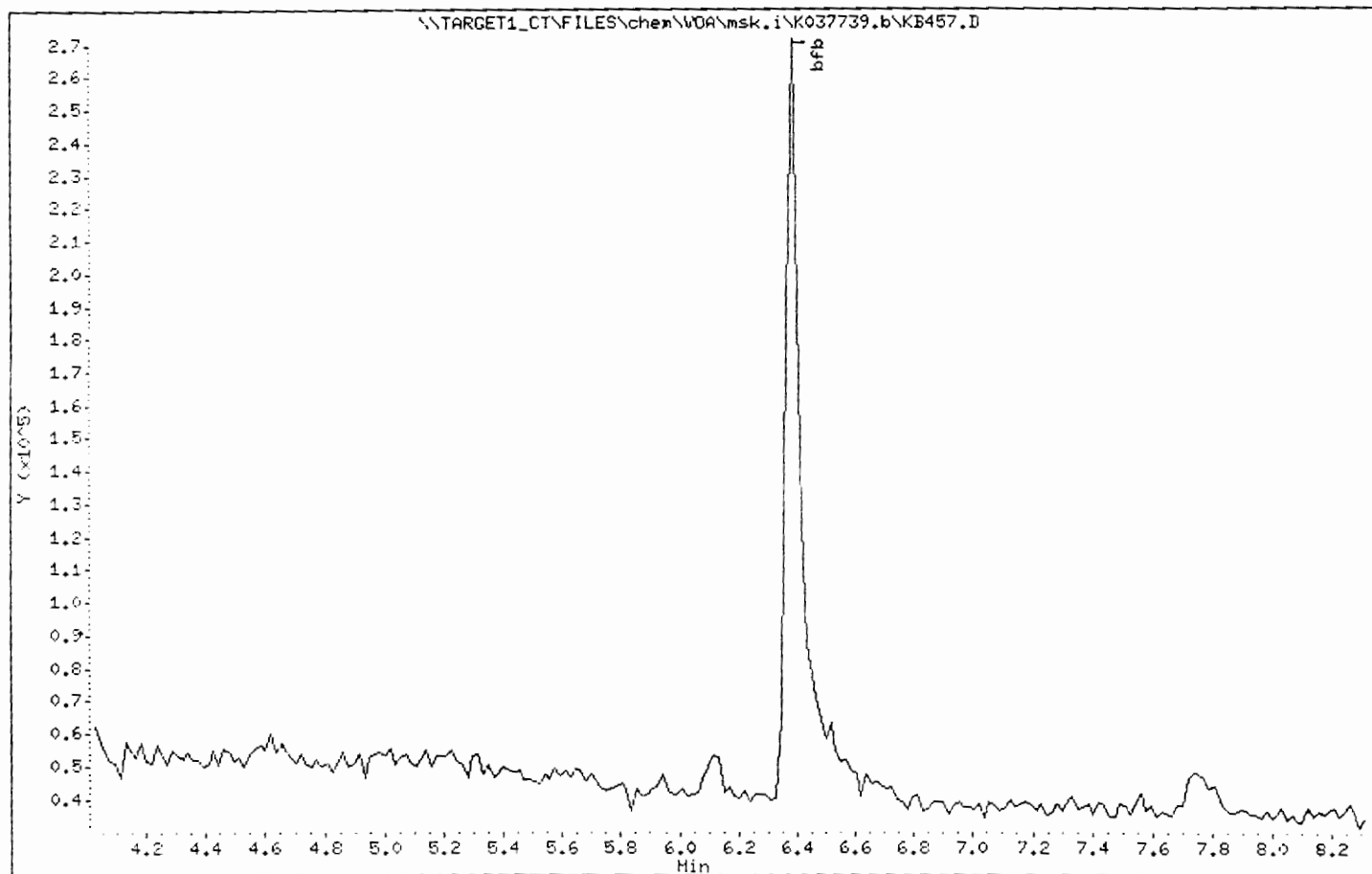
Instrument: msk.i

Sample Info: 50ng 4-BFB

Operator: D. HUMBERT

Column phase: DB-624

Column diameter: 0.53



0000406

Date : 11-AUG-2003 07:34

Client ID: BFB

Instrument: msk.i

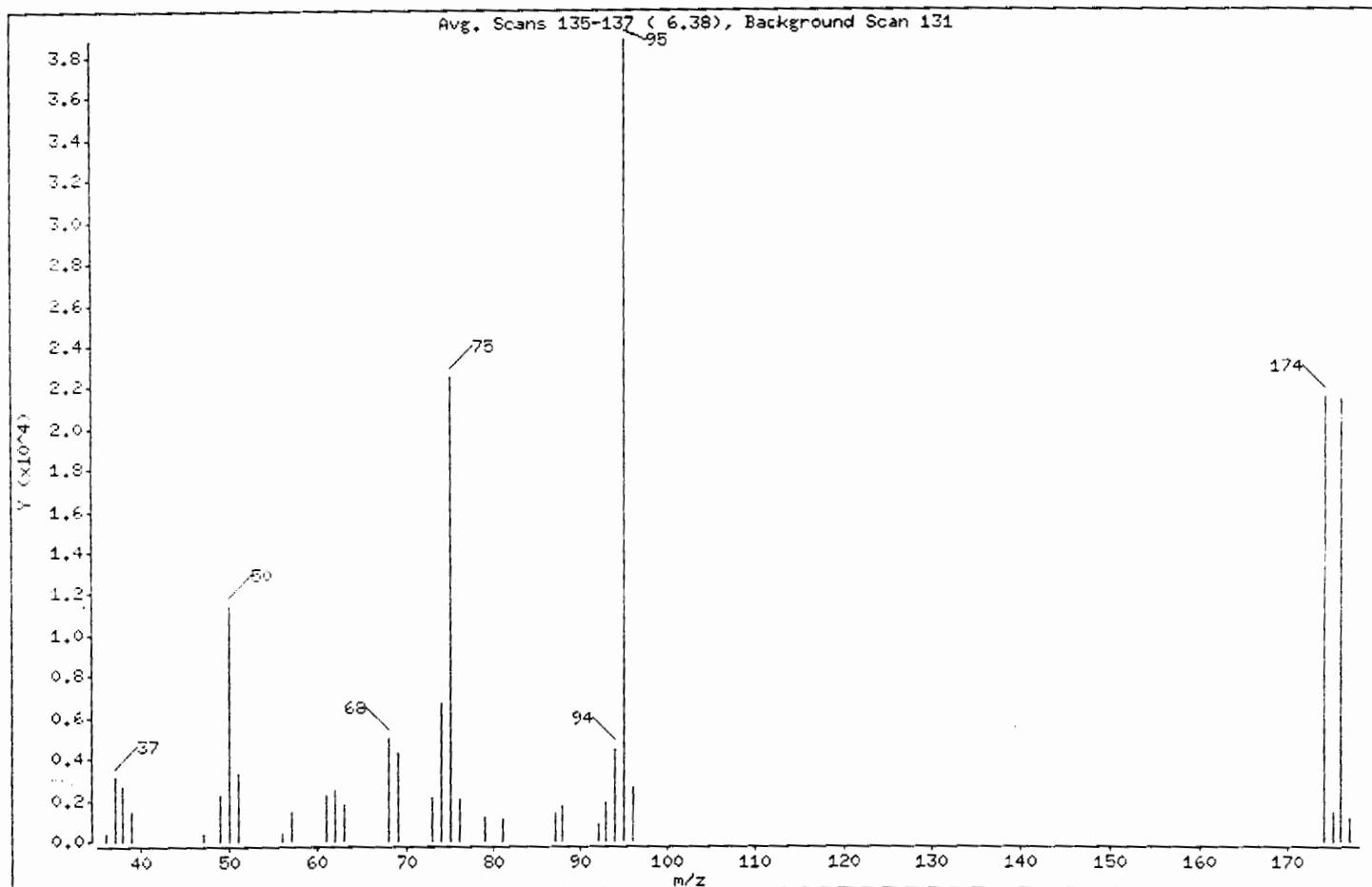
Sample Info: 50ng 4-BFB

Operator: D. HUMBERT

Column phase: DB-624

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	29.47
75	30.00 - 60.00% of mass 95	58.03
96	5.00 - 9.00% of mass 95	6.76
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	55.43
175	5.00 - 9.00% of mass 174	3.62 (6.53)
176	95.00 - 101.00% of mass 174	55.06 (99.33)
177	5.00 - 9.00% of mass 176	3.05 (5.54)

Date : 11-AUG-2003 07:34

Client ID: BFB

Instrument: msk.i

Sample Info: 50ng 4-BFB

Operator: D. HUMBERT

Column phase: DB-624

Column diameter: 0.53

Data File: KB457.D

Spectrum: Avg. Scans 135-137 (6.38), Background Scan 131

Location of Maximum: 95.00

Number of points: 32

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	385	57.00	1426	76.00	2095	96.00	2624
37.00	3107	61.00	2252	79.00	1168	174.00	21512
38.00	2684	62.00	2469	81.00	1075	175.00	1404
39.00	1466	63.00	1760	87.00	1368	176.00	21368
47.00	366	68.00	4982	88.00	1661	177.00	1184
49.00	2245	69.00	4317	92.00	835		
50.00	11435	73.00	2175	93.00	1948		
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56.00	338	75.00	22520	95.00	38808		

198h

Data File: \\TARGET1_CT\FILES\chem\VOA\msk.i\K037771.b\KB459.D

Page 1

Date : 12-AUG-2003 07:28

Client ID: BFB

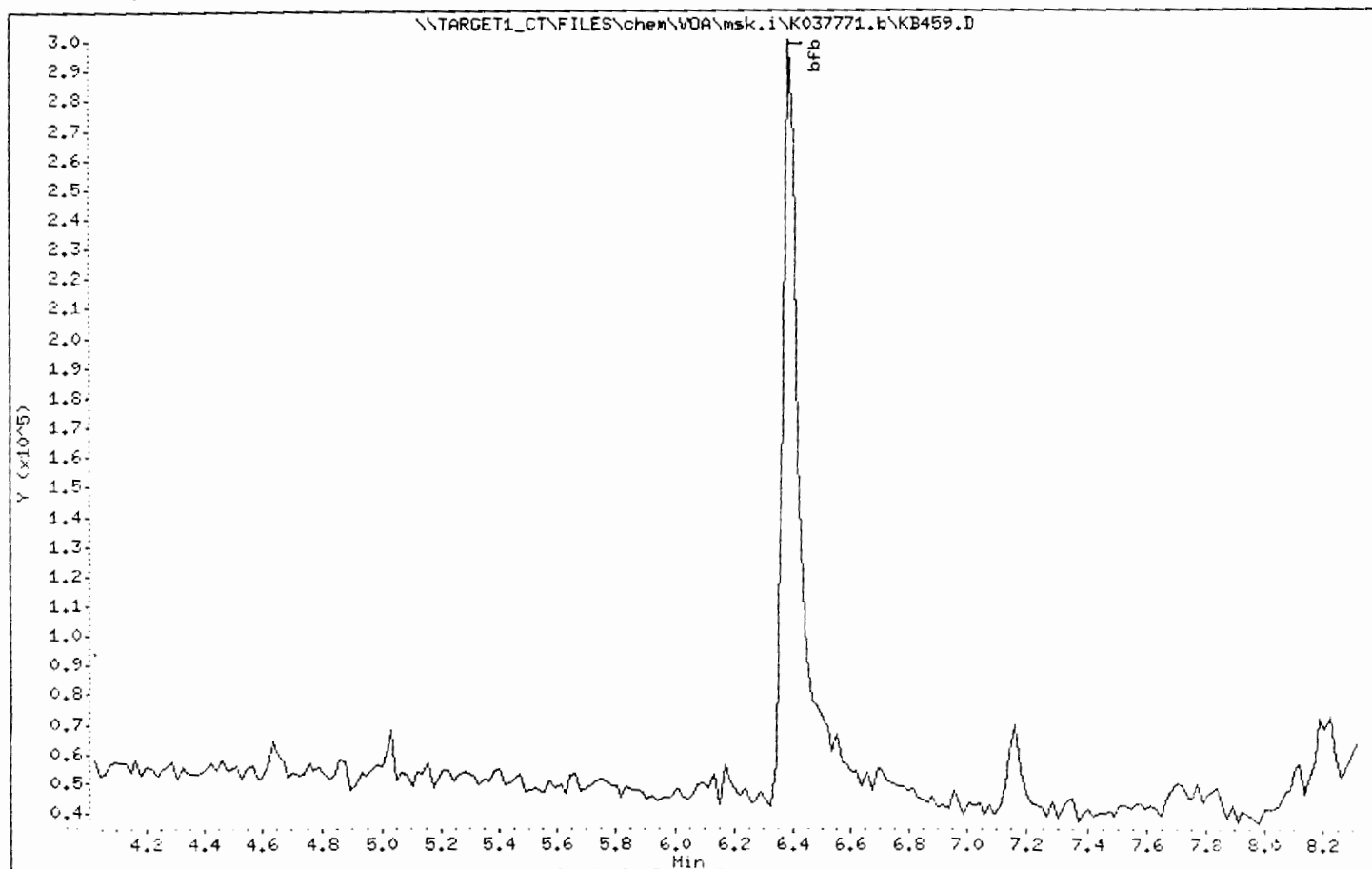
Instrument: msk.i

Sample Info: 50ng 4-BFB

Operator: D. HUMBERT

Column phase: DB-624

Column diameter: 0.53



VO36WRK012

PB #20744 503064
20780 5030.5

Date : 12-AUG-2003 07:28

Client ID: BFB

Instrument: msk.i

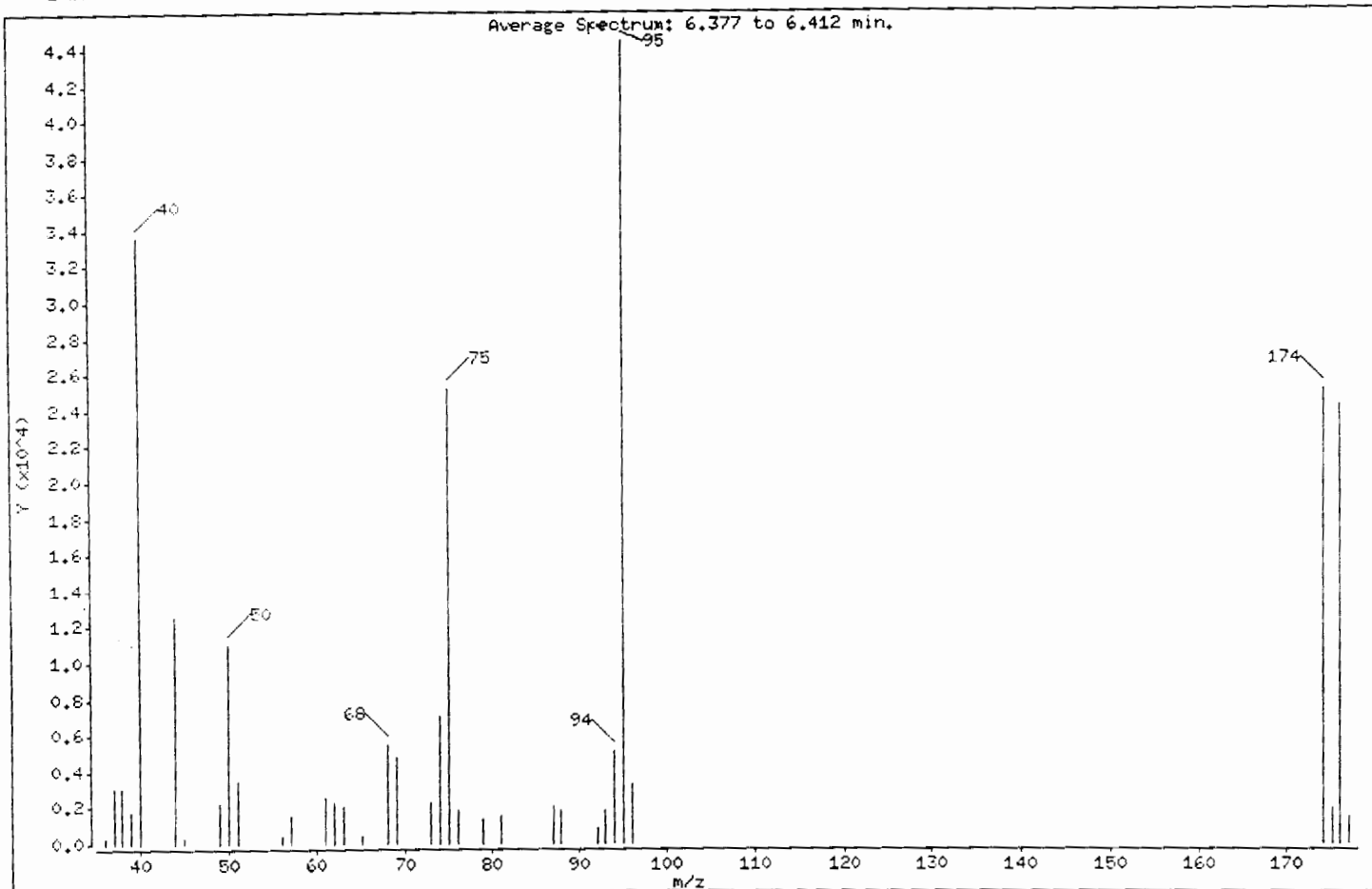
Sample Info: 50ng 4-BFB

Operator: D. HUMBERT

Column phase: DB-624

Column diameter: 0.53

1 kb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	24.75
75	30.00 - 60.00% of mass 95	56.77
96	5.00 - 9.00% of mass 95	7.42
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	56.56
175	5.00 - 9.00% of mass 174	4.30 (7.60)
176	95.00 - 101.00% of mass 174	54.44 (96.25)
177	5.00 - 9.00% of mass 176	3.15 (5.78)

Date : 12-AUG-2003 07:28

Client ID: BFB

Instrument: msk.i

Sample Info: 50ng 4-BFB

Operator: D. HUMBERT

Column phase: DB-624

Column diameter: 0.53

Data File: KB459.D

Spectrum: Average Spectrum: 6.377 to 6.412 min.

Location of Maximum: 95.00

Number of points: 35

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	357	51.00	3451	73.00	2244	93.00	1879
37.00	3013	56.00	381	74.00	7016	94.00	5070
38.00	3113	57.00	1538	75.00	25208	95.00	44400
39.00	1746	61.00	2538	76.00	1868	96.00	3293
40.00	33536	62.00	2290	79.00	1363	174.00	25112
44.00	12603	63.00	2050	81.00	1541	175.00	1910
45.00	337	65.00	417	87.00	2000	176.00	24176
49.00	2260	68.00	5548	88.00	1817	177.00	1398
50.00	10991	69.00	4764	92.00	790		

0000181

4351

Page 1

Data File: \\TARGET1_CT\\Files\\chem\\VOA\\msk.i\\K037798.b\\KB460.D

Date : 13-AUG-2003 07:29

Client ID: BFB

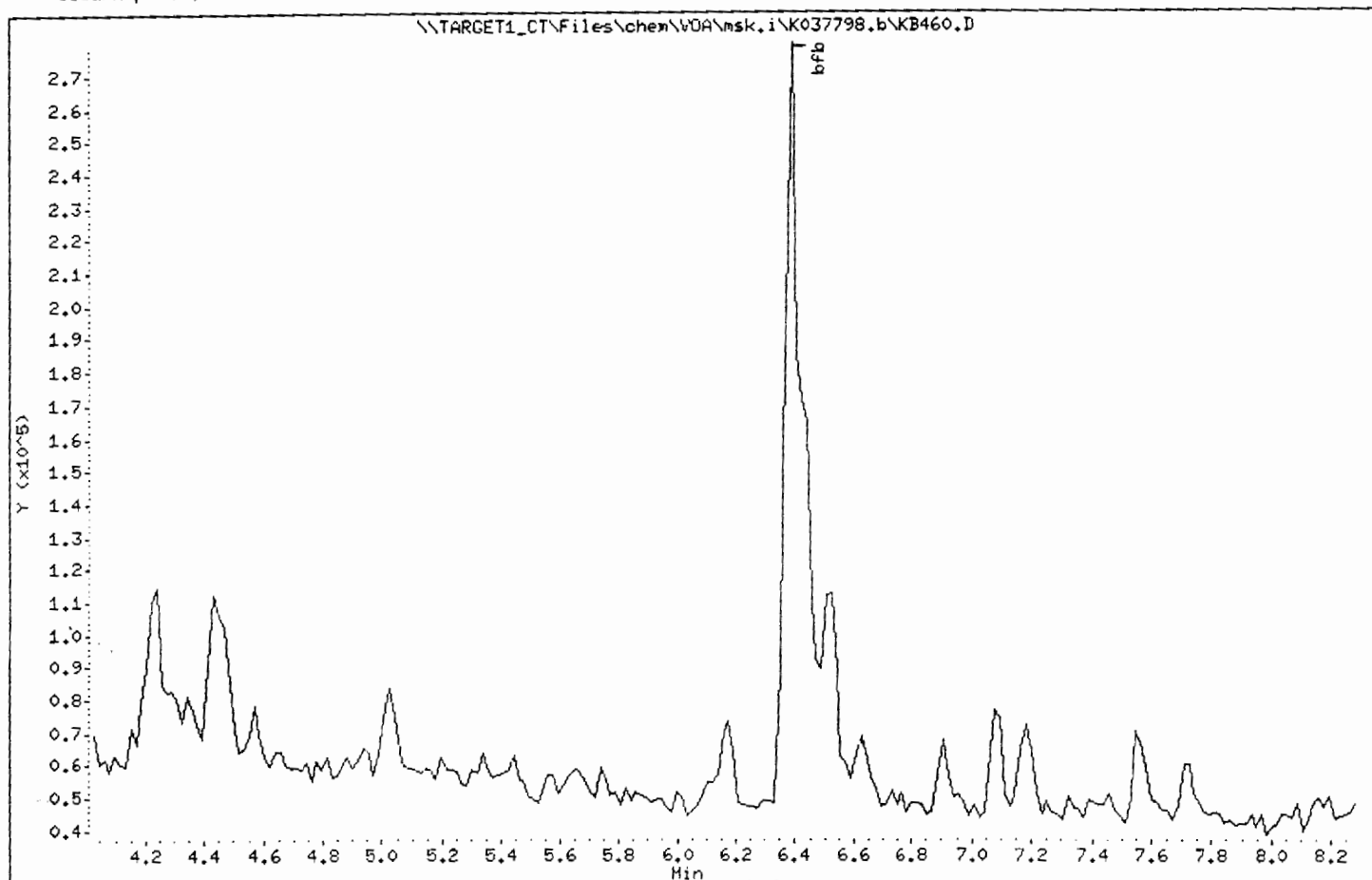
Instrument: msk.i

Sample Info: 50ng 4-BFB

Operator: D. HUMBERT

Column phase: DB-624

Column diameter: 0.53

VJGWA012
20829

Date : 13-AUG-2003 07:29

Client ID: BFB

Instrument: msk.i

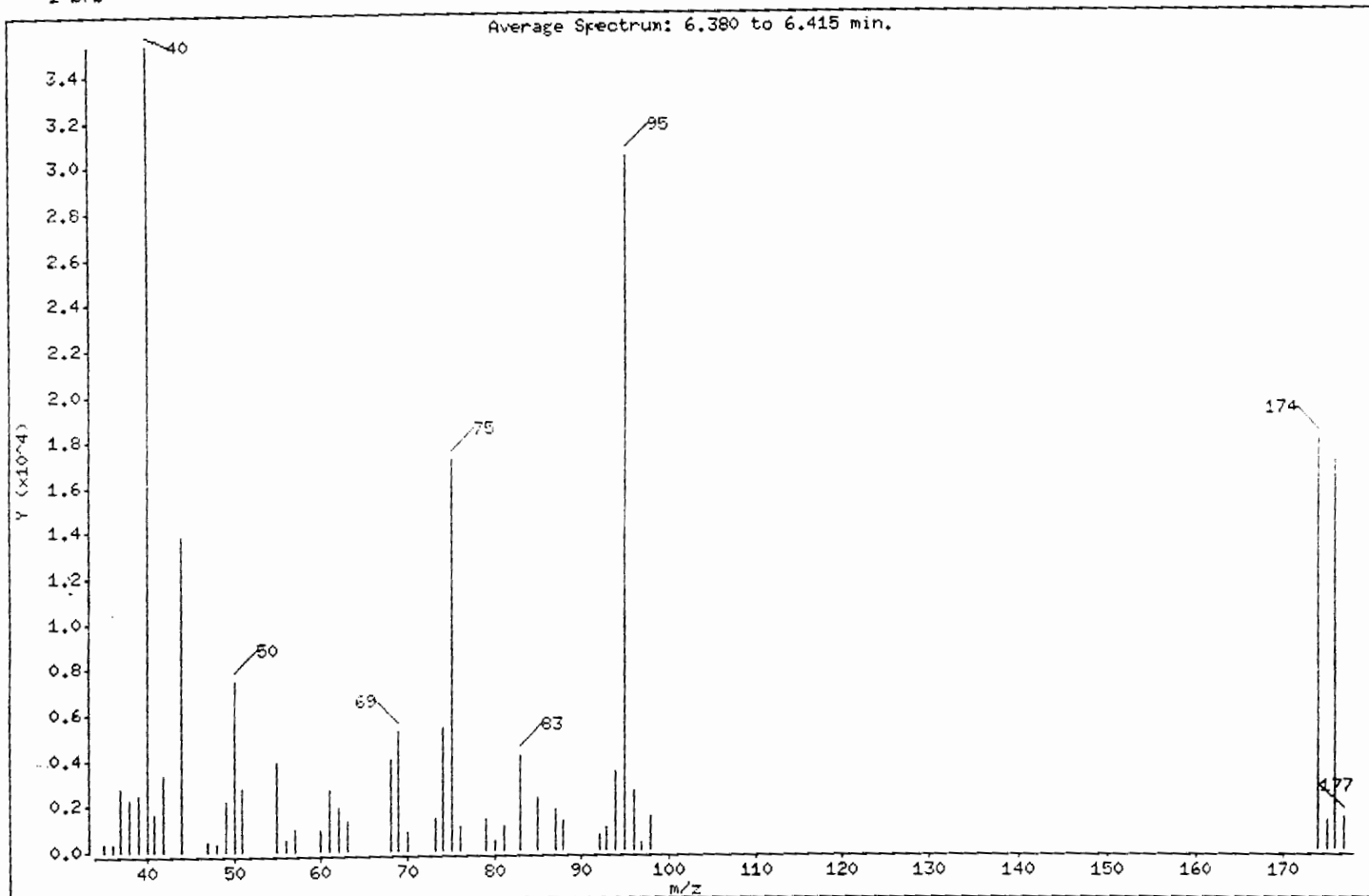
Sample Info: 50ng 4-BFB

Operator: D. HUMBERT

Column phase: DB-624

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	24.71
75	30.00 - 60.00% of mass 95	56.48
96	5.00 - 9.00% of mass 95	8.55
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	58.72
175	5.00 - 9.00% of mass 174	4.13 (7.03)
176	95.00 - 101.00% of mass 174	55.87 (95.15)
177	5.00 - 9.00% of mass 176	4.61 (8.25)

Date : 13-AUG-2003 07:29

Client ID: BFB

Instrument: msk.i

Sample Info: 50ng 4-BFB

Operator: D. HUMBERT

Column phase: DB-624

Column diameter: 0.53

Data File: KB460.D

Spectrum: Average Spectrum: 6.380 to 6.415 min.

Location of Maximum: 40.00

Number of points: 46

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	353	50.00	7500	73.00	1375	93.00	936
36.00	361	51.00	2775	74.00	5366	94.00	3391
37.00	2789	55.00	3870	75.00	17144	95.00	30352
38.00	2277	56.00	520	76.00	1044	96.00	2596
39.00	2458	57.00	995	79.00	1408	97.00	350
40.00	35304	60.00	912	80.00	399	98.00	1452
41.00	1609	61.00	2639	81.00	1028	174.00	17824
42.00	3326	62.00	1903	83.00	4116	175.00	1253
44.00	13219	63.00	1332	85.00	2275	176.00	16960
47.00	408	68.00	3954	87.00	1807	177.00	1400
48.00	337	69.00	5216	88.00	1334		
49.00	2184	70.00	834	92.00	667		

0000134

Job Number.: 204351

QUALITY CONTROL RESULTS

Report Date.: 08/15/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Norman Bradley

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8260B

Equipment Code....: MSK

Analyst....: pam

Method Description.: Volatile Organics (5mL Purge)

Batch.....: 20788

MB	Method Blank		20780 -001		08/12/2003	0942

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits
Chloromethane	ug/L	1.00	U				
Vinyl chloride	ug/L	1.00	U				
Bromomethane	ug/L	3.10	U				
Chloroethane	ug/L	0.80	U				
1,1-Dichloroethene	ug/L	0.80	U				
Carbon disulfide	ug/L	0.60	U				
Acetone	ug/L	1.90	U				
Methylene chloride	ug/L	1.20	J				
trans-1,2-Dichloroethene	ug/L	0.60	U				
1,1-Dichloroethane	ug/L	0.60	U				
Vinyl acetate	ug/L	1.50	U				
cis-1,2-Dichloroethene	ug/L	0.60	U				
Butanone (MEK)	ug/L	1.10	U				
Chloroform	ug/L	0.40	U				
1,1,1-Trichloroethane	ug/L	0.40	U				
Carbon tetrachloride	ug/L	0.30	U				
Benzene	ug/L	0.40	U				
1,2-Dichloroethane	ug/L	0.30	U				
Trichloroethene	ug/L	0.70	U				
1,2-Dichloropropane	ug/L	0.60	U				
Bromodichloromethane	ug/L	0.60	U				
cis-1,3-Dichloropropene	ug/L	0.60	U				
4-Methyl-2-pentanone (MIBK)	ug/L	0.50	U				
Toluene	ug/L	0.30	U				
trans-1,3-Dichloropropene	ug/L	0.40	U				
1,1,2-Trichloroethane	ug/L	0.80	U				
Tetrachloroethene	ug/L	0.40	U				
2-Hexanone	ug/L	1.30	U				
Dibromochloromethane	ug/L	0.20	U				
Chlorobenzene	ug/L	0.20	U				
Ethylbenzene	ug/L	0.30	U				
Styrene	ug/L	0.40	U				
Bromoform	ug/L	0.40	U				
1,1,2,2-Tetrachloroethane	ug/L	0.70	U				
Xylenes (total)	ug/L	1.00	U				

0000135

STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\\Files\\chem\\VOA\\msk.i\\K037771.b\\K7773.D
Lab Smp Id: MB Client Smp ID: MB
Inj Date : 12-AUG-2003 09:42 MS Autotune Date: 01-JUL-2002 12:47
Operator : D. HUMBERT Inst ID: msk.i
Smp Info : MB
Misc Info : : MB ;;; VBLKKS ; 8260B ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\\Files\\chem\\VOA\\msk.i\\K037771.b\\K8260BFW.m
Meth Date : 13-Aug-2003 08:50 kelli Quant Type: ISTD
Cal Date : 11-AUG-2003 10:04 Cal File: K7740.D
Als bottle: 16 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260BAP9.sub
Target Version: 4.10

ka
8/13/03

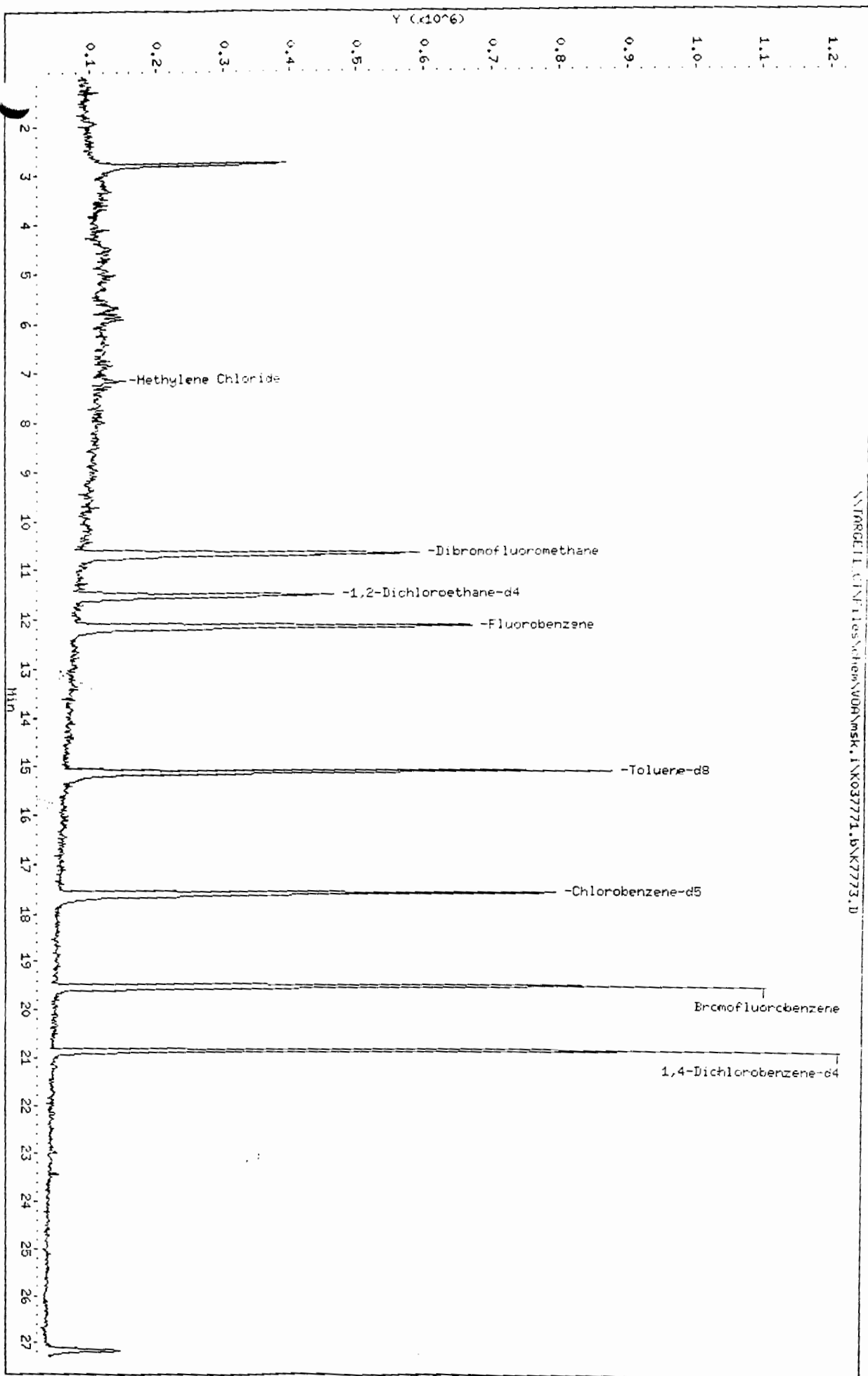
Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG				CONCENTRATIONS		
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
* 1 Fluorobenzene	96	12.161	12.197	(1.000)	1263521	25.0000	
17 Methylene Chloride	84	7.144	7.215	(0.587)	23746	1.20473	1
\$ 38 Dibromofluoromethane	111	10.680	10.768	(0.878)	916409	28.0608	28
\$ 52 1,2-Dichloroethane-d4	65	11.534	11.587	(0.948)	812662	28.8045	29
* 70 Chlorobenzene-d5	117	17.596	17.632	(1.000)	962127	25.0000	
\$ 72 Toluene-d8	98	15.122	15.141	(0.859)	1158975	26.6432	27
* 89 1,4-Dichlorobenzene-d4	152	20.870	20.871	(1.000)	481498	25.0000	
\$ 116 Bromofluorobenzene	95	19.512	19.530	(0.935)	863762	23.0887	23

Data File: \\TARGET1.C\NFiles\chem\VDH\msk.1\K037771.B\K7773.D
 Date: 12-AUG-2003 09:42
 Client ID: HB
 Sample Info: HB
 Purge Volume: 5.0
 Column phase: DB-624

Instrument: msk.i
 Operator: J. HUBER
 Column diameter: 0.53



Date : 12-AUG-2003 09:42

Client ID: MB

Instrument: msk.i

Sample Info: MB

Purge Volume: 5.0

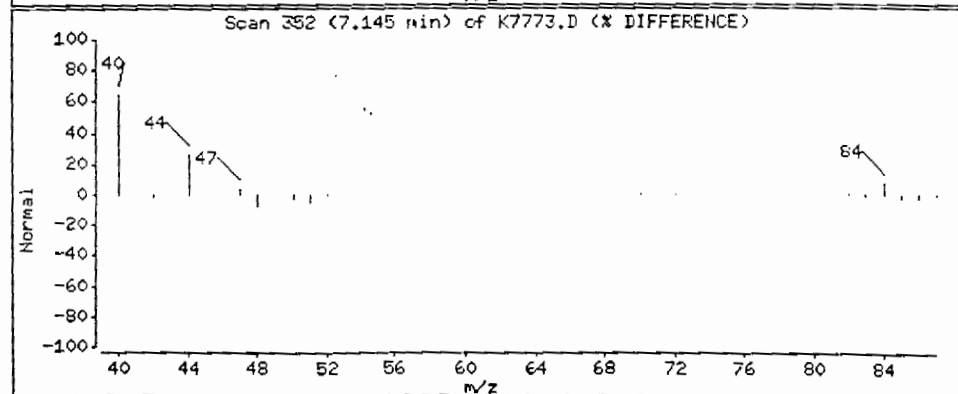
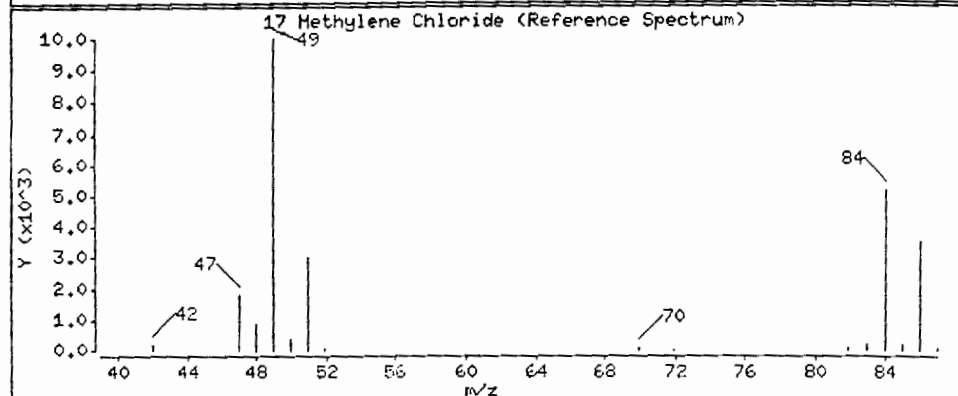
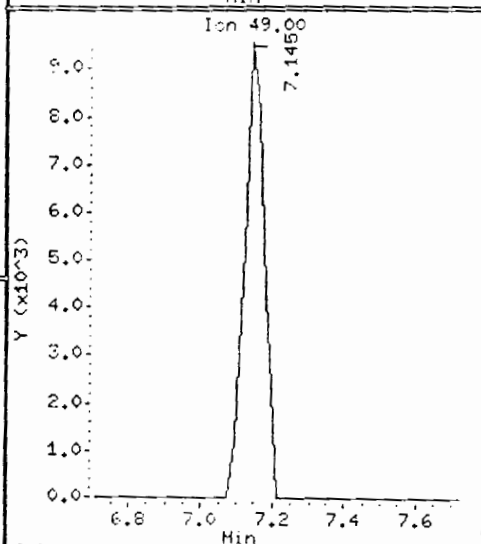
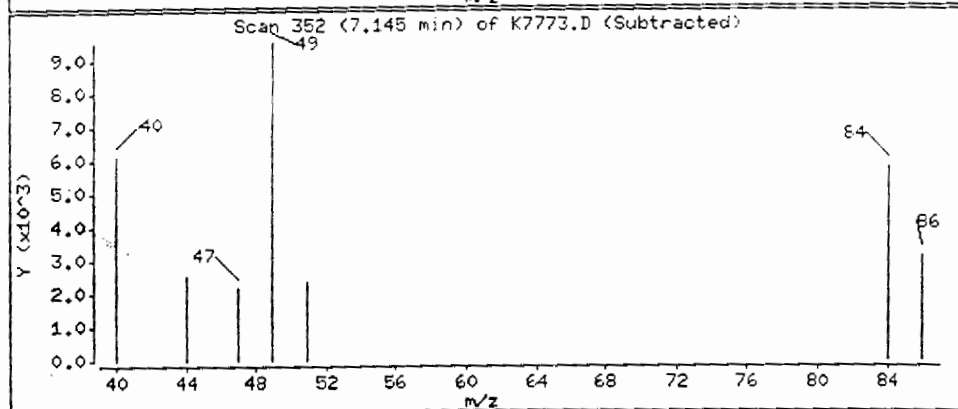
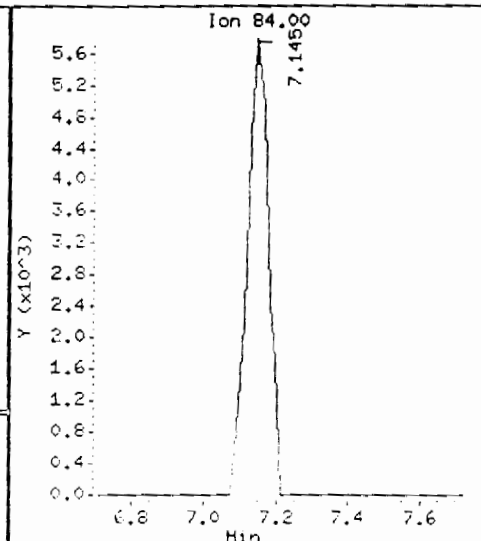
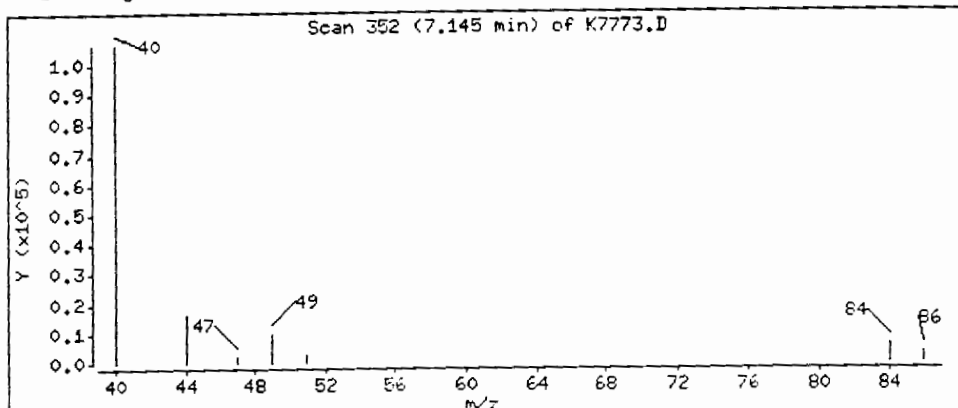
Operator: D. HUMBERT

Column phase: DB-624

Column diameter: 0.53

17 Methylene Chloride

Concentration: 1 ug/L



0000138

Job Number.: 204351

QUALITY CONTROL RESULTS

Report Date.: 08/15/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Norman Bradley

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8260B

Equipment Code....: MSK

Analyst...: pam

Method Description.: Volatile Organics (5mL Purge)

Batch.....: 20788

MB	Method Blank		20829 -001		08/13/2003	0940

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Chloromethane	ug/L	1.00	U					
Vinyl chloride	ug/L	1.00	U					
Bromomethane	ug/L	3.10	U					
Chloroethane	ug/L	0.80	U					
1,1-Dichloroethene	ug/L	0.80	U					
Carbon disulfide	ug/L	0.60	U					
Acetone	ug/L	1.90	U					
Methylene chloride	ug/L	1.25	J					E
trans-1,2-Dichloroethene	ug/L	0.60	U					
1,1-Dichloroethane	ug/L	0.60	U					
Vinyl acetate	ug/L	1.50	U					
1,2-Dichloroethene	ug/L	0.60	U					
Butanone (MEK)	ug/L	1.10	U					
Chloroform	ug/L	0.40	U					
1,1,1-Trichloroethane	ug/L	0.40	U					
Carbon tetrachloride	ug/L	0.30	U					
Benzene	ug/L	0.40	U					
1,2-Dichloroethane	ug/L	0.30	U					
Trichloroethene	ug/L	0.70	U					
1,2-Dichloropropane	ug/L	0.60	U					
Bromodichloromethane	ug/L	0.60	U					
cis-1,3-Dichloropropene	ug/L	0.60	U					
4-Methyl-2-pentanone (MIBK)	ug/L	0.50	U					
Toluene	ug/L	0.30	U					
trans-1,3-Dichloropropene	ug/L	0.40	U					
1,1,2-Trichloroethane	ug/L	0.80	U					
Tetrachloroethene	ug/L	0.40	U					
2-Hexanone	ug/L	1.30	U					
Dibromochloromethane	ug/L	0.20	U					
Chlorobenzene	ug/L	0.20	U					
Ethylbenzene	ug/L	0.30	U					
Styrene	ug/L	0.40	U					
Bromoform	ug/L	0.40	U					
1,1,2,2-Tetrachloroethane	ug/L	0.70	U					
Xylenes (total)	ug/L	1.00	U					

0000139

STL-CT

Volatile Report SW-846 Method 8260B
 Data file : \\TARGET1_CT\\Files\\chem\\VOA\\msk.i\\K037798.b\\K7800.D
 Lab Smp Id: MB Client Smp ID: MB
 Inj Date : 13-AUG-2003 09:40 MS Autotune Date: 01-JUL-2002 12:47
 Operator : D. HUMBERT Inst ID: msk.i
 Smp Info : MB
 Misc Info : : MB ;;; VBLKKU ; 8260B ; 1 ; LLW
 Comment :
 Method : \\TARGET1_CT\\Files\\chem\\VOA\\msk.i\\K037798.b\\K8260BFW.m
 Meth Date : 13-Aug-2003 13:14 kelli Quant Type: ISTD
 Cal Date : 11-AUG-2003 10:04 Cal File: K7740.D
 Als bottle: 16 QC Sample: BLANK
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: 8260BAP9.sub
 Target Version: 4.10
 Processing Host: CONMSONT

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

D.H.
8/13/03

Compounds	QUANT SIG						CONCENTRATIONS	
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL
							(ug/L)	(ug/L)
* 1 Fluorobenzene	96		12.144	12.176 (1.000)		1220725	25.0000	
17 Methylene Chloride	84		7.127	7.177 (0.587)		23829	1.25132	1
\$ 38 Dibromofluoromethane	111		10.680	10.713 (0.880)		804975	25.5127	26
\$ 52 1,2-Dichloroethane-d4	65		11.517	11.549 (0.948)		742066	27.2237	27
* 70 Chlorobenzene-d5	117		17.596	17.611 (1.000)		922052	25.0000	
\$ 72 Toluene-d8	98		15.105	15.137 (0.858)		1063829	25.5186	26
* 89 1,4-Dichlorobenzene-d4	152		20.853	20.868 (1.000)		380771	25.0000	
\$ 116 Bromofluorobenzene	95		19.529	19.527 (0.937)		789380	26.6823	27

Data File: NTARGET1.CT\Files\chem\W08\msk.1\K037798.D\K7800.D
Date: 13-AUG-2003 09:40

Client ID: HB

Sample Info: HB

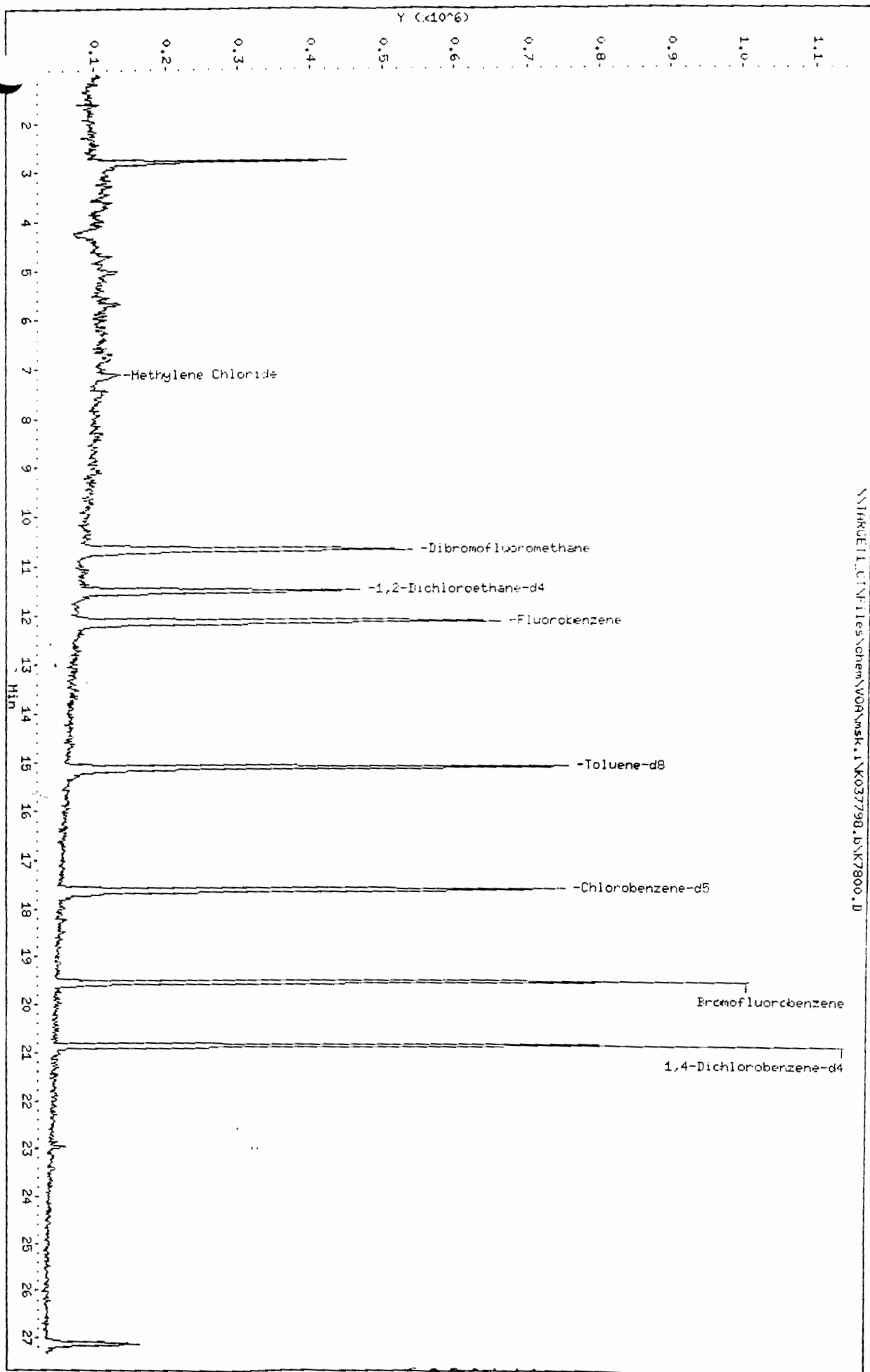
Purge Volume: 5.0

Column phase: DB-624

Instrument: msk.1

Operator: D. HUBERT

Column diameter: 0.53



0000141

Date : 13-AUG-2003 09:40

Client ID: MB

Instrument: msk.i

Sample Info: MB

Purge Volume: 5.0

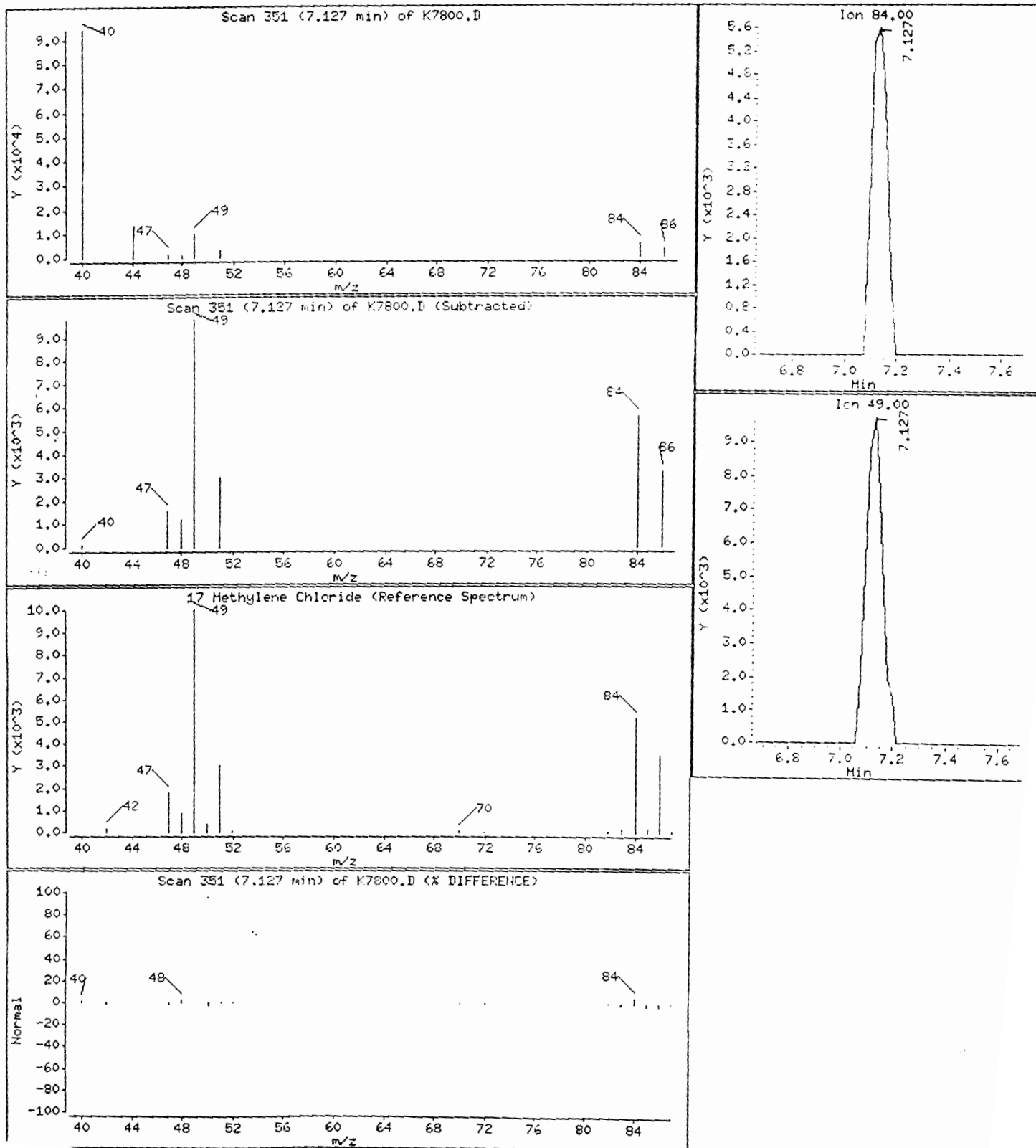
Operator: D. HUMBERT

Column phase: DB-624

Column diameter: 0.53

17 Methylene Chloride

Concentration: 1 ug/L



0000142

STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1 CT\Files\chem\VOA\msk.i\K037771.b\K7788.D
Lab Smp Id: 204351-1MS Client Smp ID: SAMPLE 1MS
Inj Date : 12-AUG-2003 19:21 MS Autotune Date: 01-JUL-2002 12:47
Operator : D. HUMBERT Inst ID: msk.i
Smp Info : 204351-1MS
Misc Info : : MS ;;; SAMPLE 1 ; 8260B ; 1 ; LLW
Comment :
Method : \\TARGET1 CT\Files\chem\VOA\msk.i\K037771.b\K8260BFW.m
Meth Date : 13-Aug-2003 18:57 kelli Quant Type: ISTD
Cal Date : 11-AUG-2003 10:04 Cal File: K7740.D
Als bottle: 3 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260BAP9.sub
Target Version: 4.10

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS	
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL
							(ug/L)	ug/L
* 1 Fluorobenzene	50	12.172	11.197	(1.030)	1452486	25.0000		
2 Dichlorodifluoromethane	85	3.080	3.121	(0.253)	1076741	42.0166	42	
3 Chloromethane	50	3.428	3.487	(0.282)	1283043	49.0785	49	
4 Vinyl Chloride	62	3.620	3.679	(0.297)	1088120	48.6269	49	
5 Bromomethane	94	4.247	4.323	(0.349)	277118	38.7438	39	
6 Chloroethane	64	4.456	4.515	(0.366)	284176	27.9791	28 (R)	
8 Trichlorofluoromethane	101	4.909	4.985	(0.403)	1421843	46.6768	47	
9 Ethyl Ether	45	5.571	5.612	(0.458)	1407145	48.3417	48	
10 Freon 141	81	5.553	5.612	(0.456)	1926525	46.0401	46	
11 Freon 123a	67	5.832	5.874	(0.479)	325489	49.2892	49	
12 Trichlorotrifluoroethane	101	5.954	6.130	(0.489)	1011919	43.2977	43	
13 1,1-Dichloroethene	96	6.024	6.083	(0.495)	695180	47.9760	48	
14 Carbon Disulfide	76	6.442	6.518	(0.529)	3095967	49.8045	50	
15 Iodomethane	142	6.372	6.448	(0.523)	1010409	50.3007	50	
16 3-Chloro-1-Propene	41	6.829	6.901	(0.561)	1615438	49.4118	49	
17 Methylene Chloride	64	7.138	7.215	(0.586)	1094936	48.3236	48	
18 Acetone	43	6.320	6.379	(0.519)	345871	43.1098	43	
19 trans-1,2-Dichloroethane	90	7.591	7.668	(0.624)	957745	49.3325	49	
20 Methyl tert-Butyl Ether	73	7.574	7.650	(0.622)	2185088	51.6582	52	
21 Acrolein	56	5.989	6.048	(0.492)	328189	142.108	140	
22 tert-Butyl alcohol	59	7.452	7.494	(0.612)	232658	221.679	220 (M)	
23 Methyl Acetate	43	6.912	6.988	(0.568)	2116871	51.0896	51	
24 Acetonitrile	41	7.034	7.093	(0.578)	1307736	593.880	590	

0000143

Compounds	QUANT	SIG						CONCENTRATIONS	
			MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
27 Acrylonitrile	53			7.800	7.877	(0.641)	609746	104.467	100
28 2-Chloro-1,3-Butadiene	88			8.619	8.678	(0.708)	695070	52.9586	53
29 1,1-Dichloroethane	63			8.514	8.591	(0.699)	2326827	48.6052	49
30 Vinyl Acetate	43			8.602	8.661	(0.707)	2005147	53.6057	54
31 cis-1,2-Dichloroethene	96			9.682	9.723	(0.795)	1103520	51.9981	52
32 2,2-Dichloropropane	70			9.594	9.654	(0.758)	1571678	44.3664	44
34 Bromochloromethane	118			10.187	10.246	(0.837)	560265	46.0114	46
35 Chloroform	83			10.326	10.368	(0.848)	2368871	46.6227	47
36 Ethyl Acetate	43			7.574	7.650	(0.622)	796306	108.899	110
37 Methyl Acrylate	11			9.891	9.950	(0.813)	823760	53.1147	53
\$ 38 Dibromofluoromethane	111			10.709	10.746	(0.880)	787771	21.0494	21
39 Tetrahydrofuran	42			10.204	10.263	(0.835)	524252	110.101	111
40 1,1,1-Trichloroethane	97			10.657	10.699	(0.876)	1690032	44.0685	44
41 Carbon Tetrachloride	110			10.953	10.995	(0.900)	1487891	44.7524	45
42 2-Butanone	43			9.751	9.810	(0.801)	427301	45.4822	45
43 1,1-Dichloropropene	75			11.040	11.082	(0.907)	1664652	50.8053	51
44 Cyclohexane	54			10.623	10.664	(0.873)	1325161	52.6262	53
47 1-Chlorobutane	56			10.816	10.877	(0.897)	2196493	51.5579	52
48 Propionitrile	84			10.047	10.089	(0.805)	1179000	504.647	507
49 Isobutyl Alcohol	40			11.458	11.500	(0.941)	155137	540.409	547
50 Benzene	78			11.811	11.852	(0.946)	3511706	51.0836	51
51 2-Methyl-2-Propenenitrile	41			10.074	10.133	(0.844)	919666	51.8457	52
\$ 52 1,2-Dichloroethane-d4	65			11.845	11.887	(0.948)	767470	23.6031	24
53 1,2-Dichloroethane	40			11.700	11.761	(0.968)	1888534	46.5104	47
57 Methyl Cyclohexane	80			13.113	13.155	(1.077)	1533387	54.1434	54
58 Trichloroethene	130			12.857	12.911	(1.059)	942806	49.3359	49
59 Dibromomethane	93			13.653	13.677	(1.122)	1143051	43.4149	43
60 1,2-Dichloropropane	63			13.409	13.451	(1.102)	1282819	52.2115	52
61 Bromodichloromethane	68			13.914	13.939	(1.143)	2171829	42.8646	43
62 Methyl Methacrylate	68			13.601	13.608	(1.117)	1431395	104.251	100
63 1,4-Dioxane	58			13.636	13.677	(1.123)	373489	2411.24	2400.12
64 2-Chloroethylvinylether	63			14.507	14.513	(1.192)	146030	41.5707	42
65 cis-1,3-Dichloropropene	75			14.733	14.757	(1.210)	1584116	50.6966	51
66 2-Nitropropane	41			14.472	14.496	(1.189)	639792	105.366	110
67 Chloroacetonitrile	48			14.646	14.670	(1.203)	741670	1133.42	1100
68 trans-1,3-Dichloropropene	75			15.726	15.750	(1.292)	1027170	48.7478	49
69 1,1,2-Trichloroethane	90			16.022	16.046	(1.316)	946427	47.5010	48
* 70 Chlorobenzene-d5	117			17.607	17.632	(1.000)	1148097	25.0000	
71 Toluene	91			15.238	15.263	(0.665)	3423436	50.7100	51
\$ 72 Toluene-d8	98			15.116	15.141	(0.659)	1320914	25.4472	25
73 1,1-Dichloro-2-propanone	43			15.099	15.106	(0.658)	1940628	266.640	270
74 4-Methyl-2-Pentanone	56			14.994	15.018	(0.852)	288150	55.5400	56
75 Tetrachloroethene	164			16.109	16.133	(0.915)	781398	45.5754	46
76 Ethyl Methacrylate	69			15.778	15.785	(0.896)	684124	53.5326	54
77 Dibromochloromethane	129			16.614	16.639	(0.944)	1513911	41.6318	42
78 1,3-Dichloropropane	76			16.318	16.325	(0.927)	1587226	47.1428	47
79 1,2-Dibromoethane	107			16.841	16.846	(0.956)	1367417	51.7476	52
80 2-Hexanone	43			16.405	16.412	(0.932)	591603	56.6004	57
81 1-Chlorohexane	91			17.555	17.579	(0.997)	1075529	50.6290	51
82 Chlorobenzene	112			17.659	17.666	(1.003)	2214320	47.0375	47
83 1,1,1,2-Tetrachloroethane	131			17.816	17.841	(1.012)	982728	46.0217	46
84 Ethylbenzene	106			17.799	17.806	(1.011)	999737	51.8062	52
85 Xylene (total)mp	106			18.043	18.050	(1.025)	2502444	100.032	100
86 Xylene (total)o	106			18.722	18.746	(1.063)	1165188	50.3676	50

0000144

Compounds	QUANT SIG MASS					CONCENTRATIONS	
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
87 Styrene	104	18.774	18.781	(1.066)	2071300	50.3548	50
88 Bromoform	173	19.070	19.095	(1.083)	972254	39.7065	40
* 89 1,4-Dichlorobenzene-d4	152	20.865	20.871	(1.000)	523695	25.0000	
90 Isopropylbenzene	105	19.245	19.251	(0.922)	3317088	50.7199	51
91 1,1,2,2-Tetrachloroethane	93	19.732	19.757	(0.946)	1432061	45.8228	46
92 Bromobenzene	156	19.715	19.739	(0.945)	946985	47.6804	48
93 1,2,3-Trichloropropane	110	19.802	19.826	(0.949)	298451	44.2313	44
94 trans-1,4-Dichloro-2-Butene	53	19.819	19.826	(0.980)	392958	49.0574	49
95 n-Propylbenzene	91	19.785	19.809	(0.948)	4297435	51.4477	51
96 2-Chlorotoluene	91	19.941	19.948	(0.956)	3551802	50.3569	50
97 4-Chlorotoluene	91	20.081	20.088	(0.962)	3554521	50.3688	50
98 1,3,5-Trimethylbenzene	105	20.011	20.018	(0.959)	2876896	50.1438	50
99 tert-Butylbenzene	119	20.377	20.384	(0.977)	2514166	53.7569	54
100 1,2,4-Trimethylbenzene	105	20.446	20.453	(0.980)	2848113	51.0810	51
101 sec-Butylbenzene	105	20.621	20.628	(0.988)	3636474	51.1586	51
102 4-Isopropyltoluene	119	20.777	20.784	(0.996)	2550254	50.4006	50
103 1,3-Dichlorobenzene	146	20.795	20.802	(0.997)	3554721	50.3569	50
104 1,4-Dichlorobenzene	146	20.899	20.906	(1.002)	1605940	47.7148	47
105 1,2-Dichlorobenzene	146	21.265	21.272	(1.019)	1473927	47.5734	47
106 Benzyl Chloride	116	21.039	21.046	(1.008)	114669	46.1242	46
107 n-Butylbenzene	91	21.178	21.185	(1.015)	3017629	52.4273	52
* 110 1,2-Dibromo-3-chloropropane	73	22.049	22.056	(1.057)	446675	53.3867	53
111 Nitrobenzene	77	22.275	22.300	(1.068)	652305	60.1882	60
112 1,2,4-Trichlorobenzene	180	22.850	22.875	(1.055)	976134	49.8300	50
113 Hexachlorobutadiene	225	22.972	22.979	(1.101)	737180	43.1648	43
114 Naphthalene	128	23.146	23.171	(1.109)	1616325	59.8272	60
115 1,2,3-Trichlorobenzene	180	23.408	23.432	(1.122)	983088	51.4043	51
\$ 116 Bromofluorobenzene	95	19.523	19.530	(0.936)	1030982	25.3381	25
M 117 1,2-Dichloroethene (total)	100				2061265	101.331	100
M 118 Xylene (total)	100				3667632	150.399	150

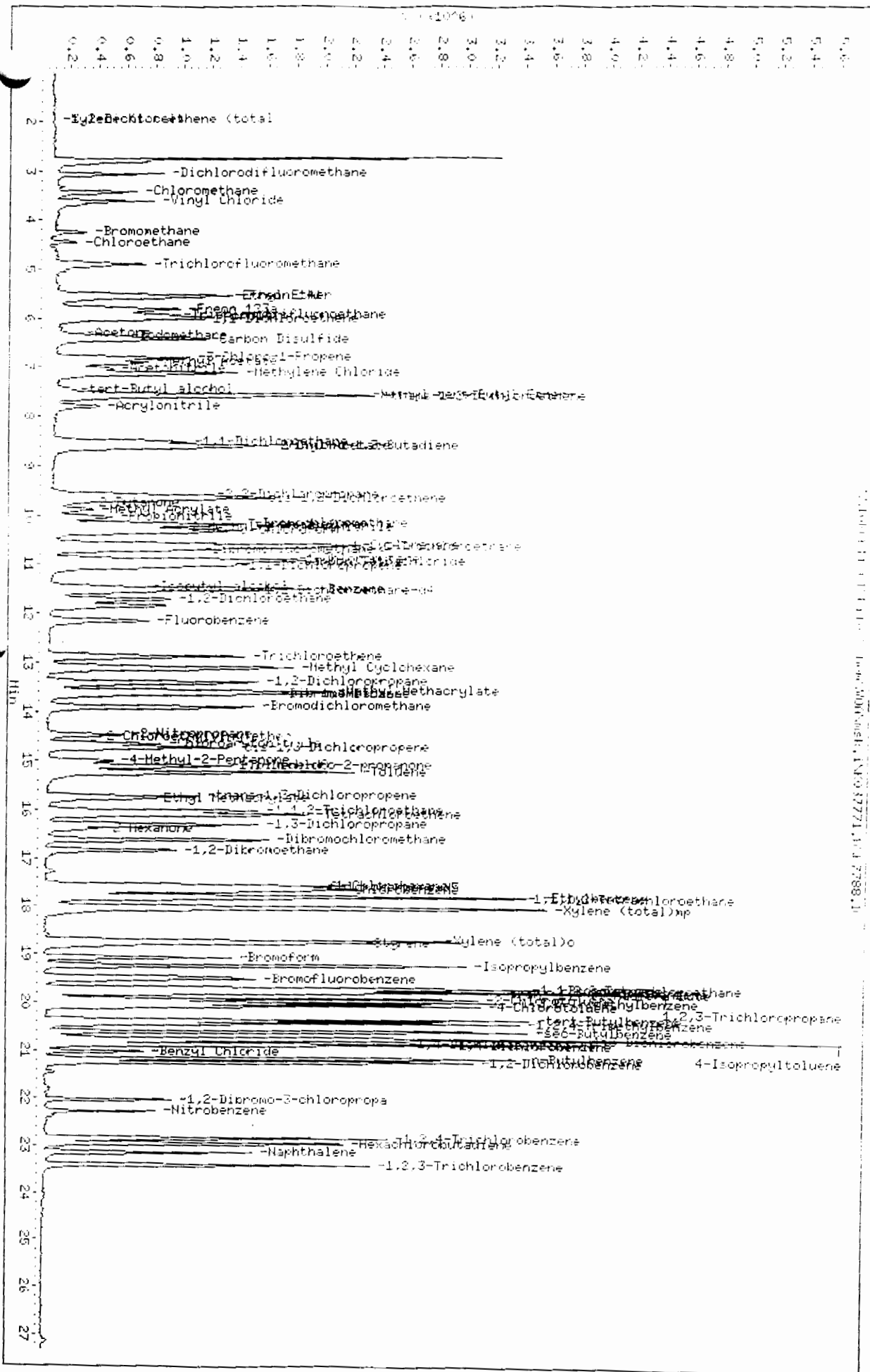
QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- R - Spike/Surrogate failed recovery limits.
- M - Compound response manually integrated.

Data File: C:\MSDCHEM\117015-0000-00000001.D
Date: 12-09-2003 13:21
Client ID: SAMPLE.MS
Sample Info: 201351.MS
Purge Volume: 5.0
Column Pressure: 0.024

Instrument: 603.1
Operator: D. HOFFER
Column diameter: 0.53

1000



STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\Files\chem\VOA\msk.i\K037798.b\K7803.D
Lab Smp Id: 204351-1MSD
Inj Date : 13-AUG-2003 12:19 MS Autotune Date: 01-JUL-2002 12:47
Operator : D. HUMBERT Inst ID: msk.i
Smp Info : 204351-1MSD
Misc Info : : MSD;;; SAMPLE 1 ; 8260B ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\Files\chem\VOA\msk.i\K037798.b\K8260BFW.m
Meth Date : 15-Aug-2003 10:45 kelli Quant Type: ESTD
Cal Date : 11-AUG-2003 10:04 Cal File: K77401.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.10
Compound Sublist: 8260BAPP.suk

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume <u>purged</u> (ml)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG				CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN
						FINAL
						ug/L
1 Fluorobenzene	7	12.073	12.074	0.000	1310400	25.7310
2 Dichlorodifluoromethane	65	3.067	3.118	(0.254)	1021557	44.1955
3 Chloromethane	31	3.433	3.484	(0.294)	1276731	54.1349
4 Vinyl Chloride	60	3.625	3.676	(0.311)	1066704	52.4911
5 Bromomethane	94	4.253	4.303	(0.332)	249123	36.6263
6 Chloroethane	44	4.444	4.510	(0.348)	323817	33.3242
8 Trichlorodifluoromethane	111	4.896	4.905	(0.406)	1270604	46.2348
9 Ethyl Ether	45	5.538	5.609	(0.460)	1469269	55.9490
10 Freon 141	31	5.524	5.592	(0.458)	1784490	47.2697
11 Freon 121a	47	5.820	5.871	(0.485)	331409	55.6344
12 Trichlorotrifluoroethane	101	5.924	5.992	(0.491)	944597	44.7595
13 1,1-Dichloroethane	96	6.011	6.080	(0.498)	585136	47.7411
14 Carbon Disulfide	78	6.429	6.486	(0.533)	2915454	52.0294
15 Iodomethane	142	6.360	6.428	(0.527)	856905	47.2843
16 3-Chloro-1-Propene	41	6.813	6.841	(0.564)	1723036	58.4174
17 Methylene Chloride	84	7.126	7.177	(0.590)	1021110	43.8517
18 Acetone	43	6.325	6.358	(0.524)	546197	75.4582
19 trans-1,2-Dichloroethane	90	7.562	7.630	(0.626)	871836	49.7757
20 Methyl tert-Butyl Ether	73	7.562	7.612	(0.626)	2174308	56.9769
21 Acrolein	56	5.976	6.027	(0.495)	394647	180.413
22 tert-Butyl alcohol	59	7.422	7.473	(0.615)	233095	109.543
23 Methyl Acetate	43	6.900	6.968	(0.572)	2351323	62.9610
24 Acetonitrile	41	7.022	7.072	(0.582)	1511603	750.893

Compounds	QUANT SET MAS:	CONCENTRATIONS				ON-COLUMN	FINAL
		RT	EXT RT	REL RT	RESPONSE	RT	RT
27 Acrylonitrile	53	7.771	7.839	0.644	669136	127.171	130
28 2-Chloro-1,3-Butadiene	58	8.589	8.588	0.711	638446	53.9187	54
29 1,1-Dichloroethane	63	9.485	9.553	0.703	1145143	49.6486	5
30 Vinyl Acetate	43	9.554	9.623	0.703	1178758	44.1737	44
31 cis-1,3-Dichloropropene	70	9.617	9.645	0.737	668407	5.4431	5
32 2,2-Dichloropropane	70	9.847	9.838	0.731	1310712	47.1133	47
34 Bromochloromethane	105	10.123	10.208	0.638	437951	45.1177	45
35 Chloroform	55	10.263	10.317	0.683	1149581	47.1133	47
36 Ethyl Acetate	40	10.341	10.312	0.625	670141	42.1133	42
37 Methyl Acrylate	35	10.314	10.309	0.619	634137	42.1133	42
38 Dibromofluoromethane	101	10.637	10.713	0.663	714534	42.1133	42
39 Tetrahydrofuran	42	10.140	10.125	0.647	713343	42.1133	42
40 1,1,1-Trichloroethane	57	10.573	10.573	0.676	143244	42.1133	42
41 Carbon Tetrachloride	113	10.871	10.967	0.600	1182078	42.1133	42
42 2-Butanone	47	9.704	9.773	0.614	875750	37.1133	37
43 1,1-Dichloropropene	75	10.958	10.948	0.673	1134754	42.1133	42
44 Cyclohexane	54	10.543	10.543	0.673	1144371	42.1133	42
45 1-Chlorobutane	51	10.311	10.311	0.644	143117	42.1133	42
46 Propionitrile	39	10.311	10.311	0.627	1000011	42.1133	42
48 Isobutyl Alcohol	41	11.376	11.347	0.641	119714	42.1133	42
50 Benzene	73	10.403	10.393	0.647	1048471	42.1133	42
51 2-Methyl-1-Propenenitrile	31	11.273	11.273	0.646	1182393	42.1133	42
52 1,2-Dichloroethane-d4	65	11.443	11.443	0.680	171134	42.1133	42
53 1,2-Dichloroethane	45	11.437	11.433	0.684	1036824	42.1133	42
57 Methyl Cyclohexane	63	13.049	13.117	0.661	1366508	54.1133	54
58 Trichloroethane	130	12.805	12.830	0.661	805114	46.1133	46
59 Dibromomethane	93	13.571	13.657	0.624	1180264	46.1133	46
60 1,2-Dichloropropane	63	13.345	13.413	0.625	1219475	54.1133	54
61 Bromodichloromethane	63	13.651	13.728	0.647	1399373	43.1133	43
62 Methyl Methacrylate	49	13.519	13.537	0.620	1491750	114.1133	114
63 1,4-Dioxane	55	13.571	13.571	0.624	384339	57.1133	57
64 2-Chloroethylvinylether	63	14.442	14.508	0.636	142671	45.1133	45
65 cis-1,3-Dichloropropene	75	14.686	14.754	0.616	1409162	49.1133	49
66 2-Nitropropane	41	14.407	14.476	0.613	741712	138.1133	138
67 Chloroacetonitrile	45	14.329	14.467	0.609	666195	147.1133	147
68 trans-1,3-Dichloropropene	75	15.679	15.747	0.629	1026726	54.1133	54
69 1,1,2-Trichloroethane	57	15.973	16.043	0.623	871505	46.1133	46
* 70 Chlorobenzene-d5	117	17.543	17.611	0.600	996206	55.1133	55
71 Toluene	91	15.174	15.259	0.655	3168772	54.1133	54
\$ 72 Toluene-d5	96	15.069	15.137	0.659	1283250	26.7794	26
73 1,1-Dichloro-2-propanone	43	15.017	15.113	0.656	2209343	56.7794	56
74 4-Methyl-2-Pentanone	58	14.947	15.016	0.652	346385	78.1732	78
75 Tetrachloroethene	164	16.062	16.113	0.616	686043	46.5823	46
76 Ethyl Methacrylate	69	15.731	15.799	0.697	690543	62.9053	62
77 Dibromochloromethane	129	16.567	16.636	0.644	1373320	43.9651	43
78 1,3-Dichloropropane	76	16.271	16.302	0.628	1539449	53.2295	53
79 1,2-Dibromoethane	107	16.754	16.845	0.657	1191012	53.4706	53
80 2-Hexanone	43	16.358	16.405	0.632	741307	82.5654	82
81 1-Chlorohexane	91	17.508	17.576	0.698	995833	54.5726	54
82 Chlorobenzene	112	17.612	17.681	0.604	1986999	46.5645	46
83 1,1,1,2-Tetrachloroethane	131	17.769	17.837	0.613	865501	47.1554	47
84 Ethylbenzene	106	17.734	17.803	0.611	890250	53.7055	53
85 Xylene (total)mp	106	17.978	18.046	0.625	2192396	102.024	102
86 Xylene (total)o	106	18.675	18.726	0.655	1061524	53.4190	53

Compounds	QUANT SIG MASS					CONCENTRATIONS	
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL
=====	=====	=====	=====	=====	=====	=====	=====
87 Styrene	104	18.727	18.776	(1.068	1819396	81.0008	81
98 Bromoform	173	19.041	19.092	(1.095	560805	40.0059	41
99 1,4-Dichlorobenzene-d4	152	20.835	20.868	(1.000	436552	35.0000	
90 Isopropylbenzene	105	19.197	19.248	(1.021	2982102	54.0080	55
91 1,1,2,2-Tetrachloroethane	99	19.703	19.736	(1.045	1464768	55.0014	56
92 Bromobenzene	156	19.743	19.776	(1.045	430336	34.0063	
93 1,2,3-Trichloropropane	110	19.773	19.806	(1.045	1348514	42.0064	43
94 trans-1,4-Dichloro-2-Butene	88	19.793	19.826	(1.057	413403	32.0011	
95 n-Propylbenzene	91	19.751	19.784	(1.045	391039	30.0011	
96 2-Chlorotoluene	91	19.794	19.826	(1.053	290107	22.0011	
97 4-Chlorotoluene	91	20.051	20.084	(1.041	310979	24.0011	
98 1,3,5-Trimethylbenzene	106	19.981	20.014	(1.053	242135	19.0011	
99 tert-Butylbenzene	118	20.347	20.381	(1.077	216216	17.0011	
100 1,2,4-Trimethylbenzene	106	20.417	20.450	(1.041	213478	16.0011	
101 sec-Butylbenzene	106	20.591	20.624	(1.045	318130	25.0011	26
102 4-Isopropyltoluene	118	20.731	20.764	(1.045	199070	15.0011	16
103 1,3-Dichlorobenzene	112	20.778	20.811	(1.057	290107	22.0011	23
104 1,4-Dichlorobenzene	112	20.871	20.904	(1.057	290107	22.0011	23
105 1,1-Dichlorobenzene	112	20.971	21.004	(1.057	290107	22.0011	23
106 Benzyl Chloride	112	21.129	21.162	(1.057	190155	15.0011	
107 n-Butylbenzene	114	21.164	21.197	(1.057	210107	16.0011	17
110 1,2-Dibromo-3-chloropropane	75	21.119	21.152	(1.057	441173	31.0011	32
111 Nitrobenzene	91	21.219	21.252	(1.057	290107	22.0011	
112 1,2,4-Trichlorobenzene	161	22.838	22.871	(1.057	669144	52.0011	53
113 Hexachlorobutadiene	208	22.943	22.976	(1.057	69037	40.0011	41
114 Naphthalene	128	23.117	23.150	(1.057	1094044	80.0011	81
115 1,2,3-Trichlorobenzene	180	23.355	23.388	(1.057	749216	59.0011	60
S 116 Bromofluorobenzene	95	19.494	19.527	(1.057	669111	52.0011	53
M 117 1,2-Dichloroethene (total)	100				1637463	100.000	100
M 118 Xylene (total)	106				3253920	155.443	160

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- R - Spike/Surrogate failed recovery limits.
- M - Compound response manually integrated.

STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1_CT\Files\chem\VOA\msk.i\K037771.b\K7787.D
Lab Smp Id: 204351-1MSE Client Smp ID: SAMPLE 1
Inj Date : 12-AUG-2003 18:48 MS Autotune Date: 01-JUL-2002 12:47
Operator : D. HUMBERT Inst ID: msk.i
Smp Info : 204351-1MSE
Misc Info : : MS ;;; SAMPLE 1 ; 8260B ; 1 ; LLW
Comment :
Method : \\TARGET1_CT\Files\chem\VOA\msk.i\K037771.b\K8260BFW.M
Meth Date : 13-Aug-2003 18:57 kelli Quant Type: ISTD
Cal Date : 11-AUG-2003 10:04 Cal File: K7787.D
Als bottle: 2 QC Sample: BS
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.10
Compound Sublist: 8260BAPR.ssk

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS	
		RT	EXT RT	REL RT	RESPONSE		INITIAL	FINAL
	MASS							
*****	****	****	*****	*****	*****	*****	*****	*****
* 1 Fluorobenzene	96	12.161	12.197	(1.000)	1436428	23.1100		
2 Dichlorodifluoromethane	66	3.066	3.121	(0.254)	1037137	40.9236	41	
3 Chloromethane	50	3.434	3.497	(0.282)	1254618	48.1276	49	
4 Vinyl Chloride	62	3.626	3.679	(0.298)	1060044	47.9518	48	
5 Bromomethane	94	4.283	4.313	(0.350)	250609	26.4032	35	
6 Chloroethane	44	4.462	4.518	(0.367)	407629	40.3426	41	
8 Trichlorofluoromethane	101	4.918	4.985	(0.404)	1397465	46.8434	46	
9 Ethyl Ether	46	5.559	5.612	(0.457)	1398367	48.5772	49	
10 Freon 141	61	5.542	5.618	(0.456)	1869503	48.1365	48	
11 Freon 123a	67	5.821	5.874	(0.479)	303917	46.8279	47	
12 Trichlorotrifluoroethane	101	5.943	6.020	(0.489)	1094777	47.3667	47	
13 1,1-Dichloroethene	96	6.030	6.093	(0.496)	634436	46.9763	47	
14 Carbon Disulfide	76	6.446	6.518	(0.530)	2961264	48.1701	48	
15 Iodomethane	142	6.378	6.446	(0.524)	911480	45.9931	46	
16 3-Chloro-1-Propene	41	6.911	6.991	(0.562)	1602003	49.5488	50	
17 Methylene Chloride	84	7.145	7.215	(0.588)	1069500	47.7566	48	
18 Acetone	43	6.326	6.379	(0.520)	321665	40.1139	41	
19 trans-1,2-Dichloroethene	96	7.597	7.668	(0.625)	924710	46.1634	48	
20 Methyl tert-Butyl Ether	73	7.580	7.650	(0.623)	1971069	47.1195	47	
21 Acrolein	56	5.935	6.048	(0.493)	373961	163.737	160	
22 tert-Butyl alcohol	59	7.423	7.494	(0.610)	230219	221.807	220	
23 Methyl Acetate	43	6.918	6.988	(0.569)	2068735	50.4860	50	
24 Acetonitrile	41	7.040	7.093	(0.579)	1241043	569.893	570	

Compounds	MASS	QUANT 310				CONCENTRATIONS	
		RT	EXP RT	REL RT	RESPONSE	IN-SAMPLE	FINAL
=====	=====	=====	=====	=====	=====	=====	=====
27 Acrylonitrile	53	7.634	7.677	(0.642)	593930	101.147	40
28 2-Chloro-1,3-Butadiene	44	8.426	8.478	(0.709)	1671127	51.7060	40
29 1,1-Dichloroethane	98	8.621	8.691	(0.701)	2396777	44.8134	40
30 Vinyl Acetate	42	8.83	8.861	(0.704)	1685348	44.7461	40
31 cis-1,2-Dichloroethene	96	8.853	8.923	(0.704)	1180110	1.00	40
32 2,2-Dichloropropane	133	8.831	8.884	(0.789)	1688784	44.7461	40
34 Bromochloromethane	129	11.175	11.244	(0.837)	546734	44.7461	40
35 Chloroform	119	11.174	11.244	(0.848)	148794	44.7461	40
36 Ethyl Acetate	44	11.174	11.244	(0.848)	148794	44.7461	40
37 Methyl Acrylate	42	11.174	11.244	(0.848)	148794	44.7461	40
38 Dibromodifluoromethane	171	11.174	11.244	(0.848)	148794	44.7461	40
39 Tetrahydrofuran	44	11.174	11.244	(0.848)	148794	44.7461	40
40 1,1,1-Trichloroethane	133	11.174	11.244	(0.848)	148794	44.7461	40
41 Carbon Tetrachloride	153	11.174	11.244	(0.848)	148794	44.7461	40
42 2-Butanone	44	11.174	11.244	(0.848)	148794	44.7461	40
43 1,1-Dichloropropane	133	11.174	11.244	(0.848)	148794	44.7461	40
44 Cyclohexane	44	11.174	11.244	(0.848)	148794	44.7461	40
45 1,1,1,2-Tetrafluoroethane	102	11.174	11.244	(0.848)	148794	44.7461	40
46 Propionitrile	44	11.174	11.244	(0.848)	148794	44.7461	40
47 Isobutyl Alcohol	44	11.174	11.244	(0.848)	148794	44.7461	40
50 Benzene	44	11.174	11.244	(0.848)	148794	44.7461	40
51 2-Methyl-2-Propenenitrile	44	11.174	11.244	(0.848)	148794	44.7461	40
52 1,2-Dichloroethane-34	98	11.174	11.244	(0.848)	148794	44.7461	40
53 1,1-Dichlorotetraene	98	11.174	11.244	(0.848)	148794	44.7461	40
57 Methyl Cyclohexane	44	11.174	11.244	(0.848)	148794	44.7461	40
58 Trichloroethene	133	11.174	11.244	(0.848)	148794	44.7461	40
59 Dibromomethane	98	11.174	11.244	(0.848)	148794	44.7461	40
60 1,2-Dichloropropane	98	11.174	11.244	(0.848)	148794	44.7461	40
61 Bromodichloromethane	98	11.174	11.244	(0.848)	148794	44.7461	40
62 Methyl Methacrylate	44	11.174	11.244	(0.848)	148794	44.7461	40
63 1,4-Dioxane	44	11.174	11.244	(0.848)	148794	44.7461	40
64 2-Chloroethylvinylether	44	11.174	11.244	(0.848)	148794	44.7461	40
65 cis-1,3-Dichloropropene	78	14.735	14.755	(1.210)	1465745	47.4327	40
66 2-Nitropropane	44	14.476	14.496	(1.191)	604148	110.400	40
67 Chloroacetonitrile	44	14.652	14.670	(1.208)	772235	120.130	140
68 trans-1,3-Dichloropropene	78	16.732	16.750	(1.234)	994694	47.7444	40
69 1,1,2-Trichloroethane	97	16.026	16.046	(1.318)	947205	44.0885	40
70 Chlorobenzene-d5	117	17.596	17.632	(1.000)	1113541	25.0001	40
71 Toluene	31	18.227	18.263	(0.868)	3471106	53.0134	50
72 Toluene-d8	31	18.121	18.141	(0.889)	1338550	20.5030	20
73 1,1-Dichloro-2-propanone	43	18.686	18.706	(0.887)	1685347	334.800	200
74 4-Methyl-2-Pentanone	58	18.001	18.019	(0.853)	276736	55.0052	50
75 Tetrachloroethene	164	16.096	16.123	(0.915)	719682	43.2772	40
76 Ethyl Methacrylate	42	18.784	18.785	(0.897)	622689	50.2375	50
77 Dibromochloromethane	129	16.620	16.639	(0.945)	1784489	49.7444	40
78 1,3-Dichloropropane	78	16.307	16.325	(0.927)	1403854	44.0001	40
79 1,2-Dibromoethane	107	16.830	16.849	(0.966)	1160095	44.0001	40
80 2-Hexanone	43	16.394	16.412	(0.932)	663935	55.0179	50
81 1-Chlorohexane	91	17.561	17.579	(0.996)	1036220	51.4033	50
82 Chlorobenzene	112	17.648	17.666	(1.003)	2193430	48.3997	40
83 1,1,1,2-Tetrachloroethane	131	17.805	17.841	(1.012)	952456	44.7394	40
84 Ethylbenzene	106	17.788	17.806	(1.011)	975391	52.1131	52
85 Xylene (total)mp	106	18.031	18.050	(1.025)	2495445	102.847	100
86 Xylene (total)o	106	18.711	18.746	(1.063)	1175371	52.2944	52

Compounds	QUANT RES				RESPONSE	CONCENTRATIONS	
	MASS	RT	SKF RT	REL RT		ON-COLUMN	SIGNAL
*****	****	****	*****	*****	*****	*****	*****
87 Styrene	104	18.763	18.761	1.000	1131934	80.1117	81
88 Bromoform	173	19.077	19.065	1.004	1434244	43.1424	44
* 89 1,4-Dichlorobenzene-54	183	19.671	19.671	1.012	314903	28.1117	29
90 Isopropylbenzene	106	19.831	19.831	1.002	111294	11.1117	11
91 1,1,2,2-Tetrachloroethane	198	19.701	19.707	1.004	1471431	47.1117	47
92 Bromobenzene	156	19.721	19.719	1.004	114421	11.1117	11
93 1,1,1-Trichloroethane	131	19.671	19.671	1.004	111117	11.1117	11
94 trans-1,2-Dichloroethane	147	19.671	19.671	1.004	111117	11.1117	11
95 n-Propylbenzene	106	19.761	19.761	1.004	111117	11.1117	11
96 2-Chlorotoluene	142	19.761	19.761	1.004	111117	11.1117	11
97 4-Chlorotoluene	142	19.761	19.761	1.004	111117	11.1117	11
98 1,3,5-Trimethylbenzene	106	20.001	20.019	1.003	111117	11.1117	11
99 tert-Butylbenzene	106	20.366	20.364	1.004	111117	11.1117	11
100 1,2,4-Trimethylbenzene	106	20.435	20.431	1.004	1747457	47.1117	47
101 sec-Butylbenzene	106	20.435	20.435	1.004	111117	11.1117	11
102 n-Isopropylbenzene	106	20.701	20.701	1.004	111117	11.1117	11
103 1,2-Dichlorobenzene	146	20.701	20.701	1.004	111117	11.1117	11
104 1,3-Dichlorobenzene	146	20.701	20.701	1.004	111117	11.1117	11
105 1,4-Dichlorobenzene	146	20.701	20.701	1.004	111117	11.1117	11
106 Benzyl Chloride	146	21.117	21.117	1.004	111117	11.1117	11
107 n-Butylbenzene	106	21.117	21.117	1.004	111117	11.1117	11
108 1,3-Dichloro-4-methylbenzene	146	21.117	21.117	1.004	111117	11.1117	11
109 Nitrobenzene	123	21.117	21.117	1.004	111117	11.1117	11
110 1,2,4-Trichlorobenzene	198	21.117	21.117	1.004	111117	11.1117	11
111 Hexachlorocyclopentadiene	208	22.371	22.373	1.011	111117	11.1117	11
112 Naphthalene	128	23.153	23.171	1.013	111117	11.1117	11
113 1,2,3-Trichlorobenzene	198	23.414	23.412	1.012	111117	11.1117	11
S 114 Bromofluorobenzene	196	19.810	19.810	1.004	111117	11.1117	11
M 117 1,2-Dichloroethane total	131				1176945	96.0921	96
M 118 Xylene (total)	106				1176945	117.111	117

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Date : 12-JUL-2003 18:48

Client ID: SAMPLE 1

Sample Info: 204351-115B

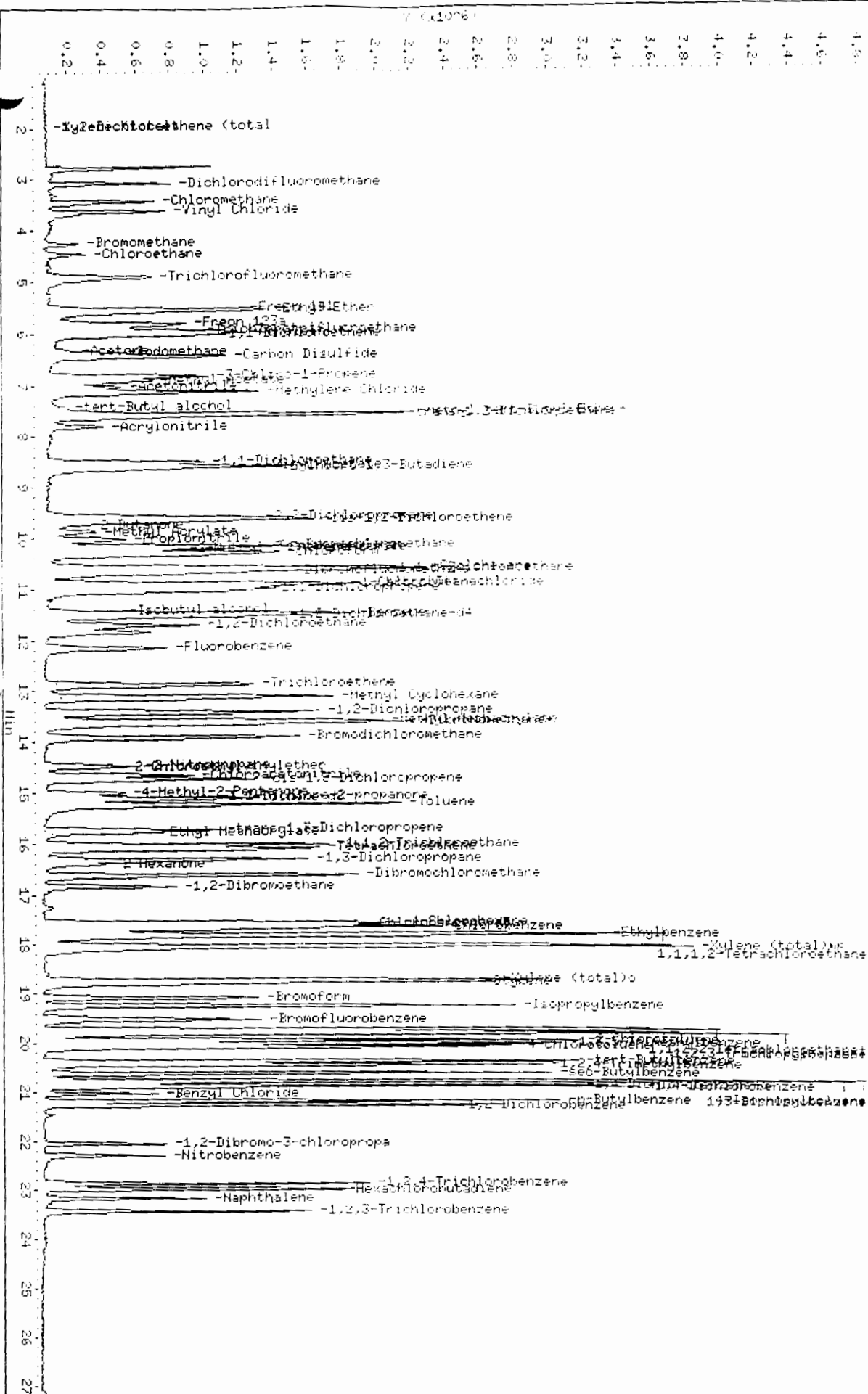
Purge Volume: 5.0

Column phase: DB-6.24

[illegible]

$\mathbb{R}^n$ and $\mathbb{R}^m$ are the real coordinate spaces of dimension n and m respectively.

Colloid diameter: 0.53

[illegible]

Job Number.: 204351

QUALITY CONTROL RESULTS

Report Date.: 08/15/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Norman Bradley

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8260B

Equipment Code....: MSK

Analyst....: pam

Method Description.: Volatile Organics (5mL Purge)

Batch.....: 20788

LCS	Laboratory Control Sample	V03GWRK006	20780 -002	08/12/2003	1108

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	Limit
Chloromethane	ug/L	17.55		20.00		88	34-139
Vinyl chloride	ug/L	18.54		20.00		93	56-142
Bromomethane	ug/L	17.12		20.00		86	24-161
Chloroethane	ug/L	24.68		20.00		123	57-157
1,1-Dichloroethene	ug/L	19.92		20.00		100	69-128
Carbon disulfide	ug/L	17.55		20.00		88	53-136
Acetone	ug/L	27.34		20.00		137	17-226
Methylene chloride	ug/L	20.15		20.00		101	70-117
trans-1,2-Dichloroethene	ug/L	19.15		20.00		96	68-119
1,1-Dichloroethane	ug/L	18.66		20.00		93	74-122
cis-1,2-Dichloroethene	ug/L	18.39		20.00		92	64-118
2-Butanone (MEK)	ug/L	23.00		20.00		115	36-189
Bromoform	ug/L	19.31		20.00		97	69-117
1,1,1-Trichloroethane	ug/L	18.29		20.00		91	56-123
Carbon tetrachloride	ug/L	18.05		20.00		90	32-139
Benzene	ug/L	18.92		20.00		95	69-120
1,2-Dichloroethane	ug/L	19.25		20.00		96	63-123
Trichloroethene	ug/L	19.29		20.00		96	64-104
1,2-Dichloropropane	ug/L	18.96		20.00		95	72-108
Bromodichloromethane	ug/L	18.88		20.00		94	56-114
cis-1,3-Dichloropropene	ug/L	15.25		20.00		76	60-115
4-Methyl-2-pentanone (MIBK)	ug/L	18.12		20.00		91	49-145
Toluene	ug/L	18.19		20.00		91	77-110
trans-1,3-Dichloropropene	ug/L	15.51		20.00		78	53-118
1,1,2-Trichloroethane	ug/L	18.70		20.00		94	69-116
Tetrachloroethene	ug/L	16.79		20.00		84	66-143
2-Hexanone	ug/L	21.52		20.00		108	39-177
Dibromochloromethane	ug/L	15.95		20.00		80	77-107
Chlorobenzene	ug/L	18.01		20.00		90	79-113
Ethylbenzene	ug/L	17.48		20.00		87	76-116
Styrene	ug/L	17.10		20.00		86	76-112
Bromoform	ug/L	17.48		20.00		87	68-107
1,1,2,2-Tetrachloroethane	ug/L	19.45		20.00		97	59-129

STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1 CT\Files\chem\VOA\msk.i\K037771.b\K7775.D
 Lab Smp Id: LCSV03GWRK006 Client Smp ID: LCSV03GWRK006
 Inj Date : 12-AUG-2003 11:08 MS Autotune Date: 01-JUL-2002 12:47
 Operator : D. HUMBERT Inst ID: msk.i
 Smp Info : LCSV03GWRK006
 Misc Info : : LCS;;; 020_ppbQCS ; 8260B ; 1 ; LLW
 Comment :
 Method : \\TARGET1 CT\Files\chem\VOA\msk.i\K037771.b\M8161BPN.
 Meth Date : 13-Aug-2003 08:00 kelli Quant Type: ISTD
 Cal Date : 11-AUG-2003 10:04 Cal File: K7741.D
 Als bottle: 1 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: 8360BAPP.sub
 Target Version: 4.10
 Processing Host: CONMSONT

Concentration Formula: Amt * DF * Uf * 1/Vo * SpndVariable

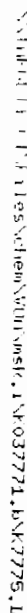
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG				CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CON-CORRECTED
						FINAL
1 Fluorobenzene	96	12.162	12.197 (0.000)	1268309	25.0000	
2 Dichlorodifluoromethane	86	3.104	3.121 (0.005)	580650	24.1132	14
3 Chloromethane	50	3.470	3.487 (0.005)	431193	17.5470	18
4 Vinyl Chloride	80	3.661	3.679 (0.001)	350021	18.1430	19
5 Bromomethane	94	4.288	4.323 (0.005)	111150	17.1154	17
6 Chloroethane	64	4.497	4.515 (0.001)	235601	24.6798	25
8 Trichlorofluoromethane	101	4.950	4.968 (0.001)	592005	20.6755	21
9 Ethyl Ether	45	5.596	5.612 (0.001)	501658	18.1981	16
10 Freon 141	81	5.577	5.612 (0.005)	657495	16.9704	17
11 Freon 123a	67	5.839	5.874 (0.005)	126166	20.3254	20
12 Trichlorotrifluoroethane	101	5.978	6.020 (0.005)	451962	20.5742	21
13 1,1-Dichloroethene	96	6.048	6.083 (0.005)	255661	19.9163	20
14 Carbon Disulfide	76	6.466	6.518 (0.005)	1003267	17.5465	18
15 Iodomethane	142	6.413	6.448 (0.005)	408786	21.6494	20
16 3-Chloro-1-Propene	41	6.866	6.901 (0.005)	503946	16.3985	16
17 Methylene Chloride	84	7.162	7.215 (0.005)	409084	20.1462	20
18 Acetone	43	6.344	6.379 (0.005)	206178	17.1384	17
19 trans-1,2-Dichloroethene	96	7.615	7.668 (0.005)	349525	19.1332	19
20 Methyl tert-Butyl Ether	73	7.596	7.650 (0.005)	715934	18.0063	18
21 Acrolein	56	6.030	6.048 (0.001)	6614	3.96807	4
22 tert-Butyl alcohol	59	7.459	7.494 (0.005)	74235	75.2481	75
23 Methyl Acetate	43	6.936	6.988 (0.005)	756349	19.4196	19

Compounds	QUANT STD MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN ug/L	FINAL ug/L
27 Acrylonitrile	53	7.924	7.877	0.993	310371	18.3438	18
29 1,1-Dichloroethane	43	8.535	8.491	0.992	318939	18.4638	19
31 cis-1,2-Dichloroethane	58	9.598	9.703	1.011	344900	18.8504	19
32 1,2-Dichloropropane	77	9.613	9.654	1.004	410793	19.4007	19
34 Bromochloromethane	129	10.174	10.241	1.011	101404	19.7623	19
35 Chloroform	43	10.353	10.349	1.000	920139	19.8057	19
36 Ethyl Acetate	43	7.898	7.683	0.973	248200	19.8119	19
37 Methyl Acrylate	55	9.407	9.381	1.000	331531	17.8111	17
38 Dibromodifluoromethane	171	10.713	10.713	1.000	490410	17.8111	17
39 Tetrahydrofuran	74	10.113	10.113	1.000	178814	17.8111	17
40 1,1,1-Trichloroethane	57	10.646	10.637	0.998	439139	18.0151	18
41 Carbon Tetrachloride	117	10.940	10.935	1.000	564333	18.3340	18
42 2-Butanone	43	9.755	9.810	1.010	109074	20.3331	19
43 1,1-Dichloropropene	75	11.009	11.030	1.002	364830	17.8111	17
44 Cyclohexane	70	10.671	10.664	1.000	401111	18.3416	18
47 1-Chlorobutane	77	10.303	10.307	1.000	777117	13.1090	13
48 Propionitrile	77	10.137	10.143	1.001	170111	17.8111	17
50 Benzene	78	10.817	10.811	1.000	100111	17.8111	17
51 2-Methyl-2-Propenenitrile	41	10.180	10.181	1.000	301511	17.8111	17
52 1,3-Dichloroethane-34	58	11.380	11.347	1.001	413111	17.8111	17
53 1,2-Dichloroethane	58	11.721	11.751	1.004	714511	13.1090	13
57 Methyl Cyclohexane	83	13.100	13.133	1.009	430160	18.4839	18
58 Trichloroethene	113	13.893	13.911	1.001	340347	19.2020	19
59 Dibromomethane	171	13.640	13.677	1.010	487134	19.4649	19
60 1,2-Dichloropropane	63	13.416	13.481	1.033	417899	18.5449	19
61 Bromodichloromethane	129	13.904	13.939	1.035	598914	18.8633	19
62 Methyl Methacrylate	43	13.890	13.909	1.007	468107	18.4674	18
65 cis-1,3-Dichloropropene	75	14.740	14.787	1.030	447816	18.1466	18
66 2-Nitropropane	41	14.461	14.496	1.035	300993	38.2148	38
67 Chloroacetonitrile	43	14.653	14.673	1.005	242540	394.315	390
68 trans-1,3-Dichloropropene	75	15.733	15.750	1.004	307169	18.5065	18
69 1,1,2-Trichloroethane	97	16.029	16.046	1.002	150290	18.7036	18
* 70 Chlorobenzene-d5	117	17.396	17.333	1.000	1109390	25.0000	25
71 Toluene	91	18.227	18.213	1.000	1186385	18.1666	18
S 72 Toluene-d8	99	18.123	18.141	1.002	1264800	25.2104	25
73 1,1-Dichloro-2-propanone	43	18.088	18.108	1.001	644748	31.4781	31
74 4-Methyl-2-Pentanone	55	18.001	18.019	1.001	306334	18.1190	18
75 Tetrachloroethene	169	16.098	16.133	1.002	278234	16.7843	17
76 Ethyl Methacrylate	43	18.783	18.785	1.000	339173	18.3687	18
77 Dibromochloromethane	129	16.621	16.639	1.001	560558	18.9529	19
78 1,3-Dichloropropane	77	16.357	16.359	1.000	592535	18.3130	18
79 1,2-Dibromoethane	107	16.530	16.549	1.002	474861	18.5835	19
80 2-Hexanone	43	16.395	16.411	1.001	217356	21.5206	21
81 1-Chlorohexane	81	17.562	17.579	1.001	344604	16.7978	17
82 Chlorobenzene	110	17.649	17.656	1.000	618364	19.0120	19
83 1,1,1,2-Tetrachloroethane	131	17.805	17.841	1.002	373399	18.1374	18
84 Ethylbenzene	106	17.788	17.806	1.001	328307	17.4130	17
85 Xylene (total)mp	106	18.014	18.050	1.004	583363	38.3721	38
86 Xylene (total)o	106	18.711	18.746	1.003	373430	16.7055	17
87 Styrene	104	18.764	18.781	1.001	679732	17.1013	17
88 Bromoform	173	19.077	19.095	1.001	413476	17.4754	17
* 89 1,4-Dichlorobenzene-d4	152	20.854	20.871	1.000	496678	25.0000	25
90 Isopropylbenzene	105	19.234	19.251	1.002	1056033	17.0256	17
91 1,1,2,2-Tetrachloroethane	63	19.722	19.757	1.002	576573	19.4526	19

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/L)	FINAL ug/L
92 Bromobenzene	156	19.734	19.739	(0.948)	386636	18.9333	19
93 1,2,3-Trichloropropane	110	19.791	19.826	(0.943)	117124	18.3179	18
94 trans-1,4-Dichloro-2-Butene	83	19.809	19.826	(0.950)	139797	37.1543	17
95 n-Propylbenzene	91	19.791	19.809	(0.949)	1423219	17.9828	18
96 2-Chlorotoluene	91	19.831	19.846	(0.986)	1106604	17.1966	18
97 4-Chlorotoluene	91	20.070	20.088	(0.982)	1154865	17.4916	18
98 1,3,5-Trimethylbenzene	105	20.000	20.019	(0.999)	982076	17.1448	18
99 tert-Butylbenzene	105	20.346	20.364	(0.977)	745613	16.4767	18
100 1,3,4-Trimethylbenzene	105	20.437	20.463	(0.990)	945751	17.4767	18
101 sec-Butylbenzene	105	20.611	20.608	(0.999)	1234611	17.1717	18
102 4-Isopropyltoluene	105	20.747	20.769	(0.996)	906771	16.9609	18
103 1,3-Dichlorobenzene	146	20.784	20.803	(0.997)	568339	19.1181	18
104 1,4-Dichlorobenzene	146	20.889	20.906	(0.999)	582577	19.0116	18
105 1,2-Dichlorobenzene	146	21.073	21.073	(1.000)	537343	18.1717	18
106 Benzyl Chloride	106	21.008	21.046	(0.999)	103396	13.7397	14
107 n-Butylbenzene	91	21.146	21.198	(0.999)	499061	16.9700	18
110 1,1-Dichloro-3-methylpropane	74	21.177	21.177	(1.000)	111111	16.1717	18
111 Nitrobenzene	91	20.292	20.292	(1.000)	111111	16.1717	18
112 1,2,4-Trichlorobenzene	146	20.987	20.986	(1.000)	249111	18.1717	18
113 Hexachlorobutadiene	113	20.061	20.077	(1.001)	10780	16.1717	18
114 Naphthalene	128	20.183	20.171	(1.010)	111989	16.1717	18
115 1,2,3-Trichlorobenzene	146	20.414	20.432	(1.003)	161639	18.1717	18
S 116 Bromofluorobenzene	98	19.813	19.837	(0.996)	963073	18.1248	18
M 117 1,2-Dichloroethene total	117				716427	37.9437	34
M 118 Xylene total	105				1224793	30.0176	32

Instrument: Beckman
Operator: D. HUBBARD
Column diameter: 0.53



QUALITY CONTROL RESULTS

Jcb Number.: 204351

Report Date.: 08/15/2003

CUSTOMER: Walden Associates

PROJECT: 218 LAKEVILLE ROAD A

ATTN: Norman Bradley

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8260B

Equipment Code....: MSK

Analyst....: bar

Method Description.: Volatile Organics (5mL Purge)

Batch.....: 20788

LCS	Laboratory Control Sample	V03GWRK006	20829 -002	08-13-2003	11:01

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	% Diff.
Chloromethane	ug/L	19.03		20.00		95	52-135
Vinyl chloride	ug/L	18.69		20.00		93	55-142
Bromomethane	ug/L	15.01		20.00		75	24-161
Chloroethane	ug/L	22.62		20.00		113	57-157
1,1-Dichloroethene	ug/L	20.21		20.00		101	60-123
Carbon disulfide	ug/L	16.20		20.00		81	33-136
Acetone	ug/L	41.53		20.00		207	17-232
Methylene chloride	ug/L	20.98		20.00		105	70-117
trans-1,2-Dichloroethene	ug/L	18.56		20.00		93	68-110
1,1-Dichloroethane	ug/L	20.31		20.00		102	71-122
cis-1,2-Dichloroethene	ug/L	18.72		20.00		94	61-118
2-Pentanone (MEK)	ug/L	33.95		20.00		170	36-189
Bromoform	ug/L	20.28		20.00		101	69-117
1,1,1-Trichloroethane	ug/L	18.07		20.00		90	56-123
Carbon tetrachloride	ug/L	18.70		20.00		94	32-139
Benzene	ug/L	20.29		20.00		101	69-120
1,2-Dichloroethane	ug/L	20.25		20.00		101	63-123
Trichloroethene	ug/L	17.83		20.00		89	64-104
1,2-Dichloropropane	ug/L	20.51		20.00		103	72-108
Bromodichloromethane	ug/L	18.15		20.00		91	56-114
cis-1,3-Dichloropropene	ug/L	19.59		20.00		98	60-115
4-Methyl-2-pentanone (MIBK)	ug/L	22.88		20.00		114	49-145
Toluene	ug/L	19.28		20.00		96	77-110
trans-1,3-Dichloropropene	ug/L	18.61		20.00		93	53-118
1,1,2-Trichloroethane	ug/L	20.55		20.00		103	69-116
Tetrachloroethene	ug/L	14.83		20.00		74	66-143
2-Hexanone	ug/L	31.41		20.00		157	39-177
Dibromochloromethane	ug/L	19.20		20.00		96	77-107
Chlorobenzene	ug/L	18.93		20.00		95	79-113
Ethylbenzene	ug/L	18.28		20.00		91	76-116
Styrene	ug/L	18.49		20.00		92	76-112
Bromoform	ug/L	19.35		20.00		97	68-107
1,1,2,2-Tetrachloroethane	ug/L	22.66		20.00		113	59-129

STL-CT

Volatile Report SW-846 Method 8260B

Data file : \\TARGET1 CT\\Files\\chem\\VOA\\msk.i\\K037798.b\\K7802.D
Lab Smp Id: LCSV03GWRK006 Client Smp ID: LCSV03GWRK006
Inj Date : 13-AUG-2003 11:27 MS Autotune Date: 01-JUL-2002 12:47
Operator : D. HUMBERT Inst ID: msk.i
Smp Info : LCSV03GWRK006
Misc Info : : LCS;;; 020PPB_QCS ; 8260B ; 1 ; LLW
Comment :
Method : \\TARGET1 CT\\Files\\chem\\VOA\\msk.i\\K037798.b\\K8260BFW.
Meth Date : 13-Aug-2003 13:11 Xelll Quant Type: ISTD
Cal Date : 11-AUG-2003 10:04 Cal File: F074111
Als bottle: 16 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.10
Processing Host: CONMSONT

Compound Sublist: 8260BAPP.sml

All spectra and manual integrations for this sample have been reviewed and approved.

Concentration Formula: Amt * DF * Uf * 1/Vc

Approved: [Signature] Date: 8/13/03
Secondary Review: [Signature] Date: 8/13/03

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vc	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE		ON-COLUMN	FINAL
							ug/L	ug/L
* 1 Fluorobenzene	98	12.174	12.176 (1.000)		1237577		25.0000	
2 Dichlorodifluoromethane	88	3.098	3.118 (0.255)		386217		17.6581	15
3 Chloromethane	50	3.484	3.484 (0.235)		423984		19.0344	17
4 Vinyl Chloride	62	3.636	3.676 (0.300)		356395		16.4907	14
5 Bromomethane	94	4.233	4.233 (0.350)		91450		15.0107	13
6 Chloroethane	64	4.492	4.512 (0.369)		195712		22.6154	13
8 Trichlorofluoromethane	100	4.948	4.968 (0.406)		453069		17.4564	17
9 Ethyl Ether	48	5.607	5.609 (0.461)		461433		19.4115	19
10 Freon 141	81	5.572	5.592 (0.459)		588340		16.4176	16
11 Freon 123a	67	5.850	5.871 (0.461)		114531		10.3553	10
12 Trichlorotrifluoroethane	131	5.950	5.992 (0.492)		401924		20.1838	17
13 1,1-Dichloroethene	96	6.059	6.080 (0.496)		235164		20.2103	11
14 Carbon Disulfide	76	6.477	6.498 (0.532)		858279		16.1047	14
15 Iodomethane	142	6.425	6.418 (0.528)		303960		17.7595	13
16 3-Chloro-1-Propene	41	6.661	6.681 (0.564)		565098		20.0643	11
17 Methylene Chloride	84	7.174	7.177 (0.589)		404596		20.5871	11
18 Acetone	43	6.356	6.358 (0.522)		282560		41.3331	41
19 trans-1,2-Dichloroethene	96	7.627	7.630 (0.627)		306966		16.5572	15
20 Methyl tert-Butyl Ether	73	7.610	7.612 (0.625)		754730		20.9412	21
22 tert-Butyl alcohol	59	7.453	7.473 (0.612)		105931		118.459	100 (M)
23 Methyl Acetate	43	6.948	6.968 (0.571)		892876		25.2912	25
27 Acrylonitrile	53	7.819	7.839 (0.642)		256507		51.5764	52

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						IN-SAMPLE	FINAL
29 1,1-Dichloroethane	63	8.833	8.883	0.701	823866	20.3138	21
31 cis-1,2-Dichloroethane	96	9.883	9.885	0.789	338458	18.7177	19
32 2,3-Dichloropropane	77	9.813	9.833	0.791	581301	18.2549	19
34 Bromochloromethane	128	10.188	10.038	0.837	312978	18.8382	21
38 Chloroform	83	10.827	10.847	0.848	877931	21.2783	21
36 Ethyl Acetate	43	7.611	7.611	0.625	384046	14.8841	17
37 Methyl Acrylate	55	9.892	9.894	0.813	385949	21.2817	21
38 Dibromofluoromethane	111	10.710	10.713	0.880	718454	21.4847	21
39 Tetracycloromethane	171	11.305	11.321	0.938	217044	19.7847	21
40 1,1,1-Trichloroethane	131	11.788	11.808	0.938	83111	19.7847	21
41 Carbon Tetrachloride	153	10.937	10.937	0.894	101767	19.7847	21
42 2-Butanone	43	9.781	9.871	0.801	271731	18.2549	19
43 1,1-Dichloropropene	73	11.141	11.144	0.917	822374	19.7847	21
44 Cyclohexane	84	10.623	10.643	0.873	414847	19.7847	21
47 1-Chlorobutane	55	10.937	10.939	0.899	775748	21.4812	21
48 Propionitrile	54	10.644	10.681	0.928	816638	18.7177	19
49 Benzene	78	11.811	11.814	0.948	113871	21.2849	21
50 2-Methyl-2-Propanone	58	11.075	11.075	0.944	108471	19.7847	21
51 1,1-Dichloroethane-d4	95	11.848	11.848	0.948	718471	19.7847	21
52 1,2-Dichloroethane	91	11.721	11.723	0.948	718471	19.7847	21
53 Methyl Cyclohexane	98	12.101	12.117	0.974	438471	19.7847	21
58 Trichloroethene	131	12.888	12.891	1.087	281297	17.8128	18
59 Dibromomethane	93	13.637	13.637	1.101	426688	19.7847	21
60 1,2-Dichloropropane	63	13.410	13.413	1.102	426688	19.7847	21
61 Bromodichloromethane	83	13.918	13.918	1.143	783243	19.7847	21
62 Methyl Methacrylate	69	13.602	13.657	1.117	476032	17.8128	18
65 cis-1,3-Dichloropropene	75	14.734	14.754	1.210	821688	19.7847	21
66 2-Nitropropane	41	14.473	14.478	1.189	238888	18.7177	19
67 Chloroacetonitrile	48	14.647	14.657	1.203	306847	18.7177	19
68 trans-1,3-Dichloropropene	75	15.727	15.747	1.280	334160	18.7177	19
69 1,1,2-Trichloroethane	97	16.023	16.043	1.316	348920	20.8833	21
70 Chlorobenzene-d8	117	17.608	17.611	1.000	1031783	28.1000	28
71 Toluene	91	15.239	15.259	0.855	1169834	19.7847	21
72 Toluene-d8	93	15.117	15.137	0.859	1261071	27.0339	27
73 1,1-Dichloro-2-propanone	43	15.100	15.103	0.855	777471	118.870	120
74 4-Methyl-2-Pentanone	58	14.995	15.016	0.852	106693	22.4837	22
75 Tetrachloroethane	164	16.110	16.113	0.915	228432	14.8238	14
76 Ethyl Methacrylate	69	16.779	16.799	0.896	251043	21.4849	21
77 Dibromochloromethane	139	16.633	16.636	0.945	627367	19.7847	21
78 1,3-Dichloropropane	76	16.319	16.322	0.927	589677	19.7847	21
79 1,2-Dibromoethane	107	16.642	16.645	0.985	388138	16.6037	17
80 2-Hexanone	43	16.406	16.409	0.932	295027	31.4197	31
81 1-Chlorohexane	91	17.556	17.576	0.997	327766	17.1690	17
82 Chlorobenzene	112	17.661	17.681	1.013	810643	18.8258	19
83 1,1,1,2-Tetrachloroethane	131	17.817	17.837	1.012	376172	19.7847	21
84 Ethylbenzene	106	17.800	17.803	1.011	317081	18.2839	18
85 Xylene (total)mp	106	18.026	18.046	1.024	837590	37.0543	37
86 Xylene (total)o	106	18.723	18.736	1.063	384482	18.4921	18
87 Styrene	104	18.758	18.778	1.065	681376	18.4567	18
88 Bromoform	173	19.071	19.092	1.083	425747	19.7847	21
89 1,4-Dichlorobenzene-d4	152	20.866	20.868	1.000	456699	19.7847	21
90 Isopropylbenzene	105	19.246	19.248	0.922	1078312	18.5015	18
91 1,1,2,2-Tetrachloroethane	83	19.733	19.736	0.946	631088	22.6555	23
92 Bromobenzene	156	19.716	19.719	0.945	342621	19.3576	19

Compounds	COUNT 519 MASS	CONCENTRATIONS				ON-COLLECT ug/L	FINAL ug/L
		RT	EXT RT	REL RT	RESPONSE		
93 1,2,3-Trichloropropane	11	13.303	13.303	1.000	101604	21.1417	17
94 trans-1,4-Dichloro-2-Butene	13	13.303	13.303	1.000	140344	41.1774	17
95 n-Propylbenzene	11	13.704	13.704	1.000	143113	13.3310	17
96 1-Chlorotoluene	11	13.825	13.845	1.000	1114714	11.1417	17
97 4-Chlorotoluene	11	11.141	11.141	1.000	1171574	11.1417	17
98 1,3,5-Trimethylbenzene	11	11.112	11.112	1.000	1114714	11.1417	17
99 n-Butylbenzene	11	11.173	11.173	1.000	781734	11.1417	17
100 1,2,4-Trimethylbenzene	11	11.444	11.444	1.000	1114714	11.1417	17
101 n-Butylbenzene	11	11.173	11.173	1.000	1114714	11.1417	17
102 4-Isobutylbenzene	11	11.173	11.173	1.000	1114714	11.1417	17
103 1,2-Dichlorobenzene	11	11.173	11.173	1.000	1114714	11.1417	17
104 1,4-Dichlorobenzene	11	11.173	11.173	1.000	1114714	11.1417	17
105 1,2-Dichlorobenzene	11	11.173	11.173	1.000	1114714	11.1417	17
106 Benzyl Chloride	11	11.173	11.173	1.000	1114714	11.1417	17
107 n-Butylbenzene	11	11.173	11.173	1.000	1114714	11.1417	17
108 1,2-Dibromo-3-chlorobenzene	11	11.173	11.173	1.000	1114714	11.1417	17
109 Naphthalene	11	11.173	11.173	1.000	1114714	11.1417	17
110 1,2,3-Trichlorobenzene	11	11.173	11.173	1.000	1114714	11.1417	17
111 Bromodichlorobenzene	11	11.173	11.173	1.000	1114714	11.1417	17
112 1,2-Dichlorobenzene	11	11.173	11.173	1.000	1114714	11.1417	17
113 Xylene (m,p)	11	11.173	11.173	1.000	1114714	11.1417	17

QC Flag Legend

M - Compound response manually integrated.

DATA VALIDATION REPORT

ORGANIC ANALYSIS

NYSDEC ASP 10/95 SW846 METHOD 8260B
VOLATILES BY GC/MS

For Aqueous Samples Collected
June 17, 2003
From Imperial Cleaners, 218 Lakeville Road, Lake Success, New York
Walden Associates

SAMPLE DELIVERY GROUP NUMBER: 203937
STL Connecticut

SUBMITTED TO:

Mr. Norm Bradley/Project Manager
Walden Associates
16 Spring Street
Oyster Bay, New York 11771

July 24, 2003

PREPARED BY:

Lori A. Beyer/President
L.A.B. Validation Corp.
14 West Point Drive
East Northport, NY 11731

Imperial Cleaners -218 Lakeville Road, Lake Success, NY
Data Validation Report: Volatile Organics

Table of Contents:

Introduction

Data Qualifier Definitions

Sample Receipt

Volatile Organics by GC/MS SW846 Method 8260B

1.1 Holding Time

1.2 System Monitoring Compound (Surrogate) Recovery

1.3 Matrix Spikes (MS), Matrix Spike Duplicates (MSD)

1.4 Laboratory Control Sample

1.5 Blank Contamination

1.6 GC/MS Instrument Performance Check

1.7 Initial and Continuing Calibrations

1.8 Internal Standards

1.9 Target Compound List Identification

1.10 Tentatively Identified Compounds (TICs)

1.11 Compound Quantification and Reported Detection Limits

1.12 Overall System Performance

APPENDICES:

A. Data Summary Tables with Qualifications

B. Chain of Custody Documents

Introduction:

A validation was performed on five (5) aqueous field samples and the associated quality control samples (Field Duplicate, Matrix Spike, Matrix Spike Duplicate, Field Blank and Trip Blank) for Volatile Organic analysis collected by Walden Associates and submitted to STL Connecticut for subsequent analysis under chain of custody documentation. This report contains the laboratory and validation results for the samples itemized below. The samples were collected on June 17, 2003.

The samples were analyzed by STL Connecticut, utilizing SW846 Method 8260B and in accordance with NYSDEC Analytical Services Protocol (10-95) and submitted under NYSDEC ASP Category B equivalent deliverable requirements for the associated analytical methodology employed. The analytical testing consisted of the Target Compound List (TCL) of analytes for Volatile Organics.

The data was evaluated in accordance with the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (Publication 9240.1-05) and in conjunction with the analytical methodology for which the samples were analyzed, where applicable and relevant.

The data validation report pertains to the following aqueous and quality control samples:

Sample Identification	Laboratory Identification	Sample Matrix	Collection Date
MW-1	203937-1	Aqueous	06/17/03
MW-1 Matrix Spike	203937-1MS	Aqueous	06/17/03
MW-1 Matrix Spike Duplicate	203937-1MSD	Aqueous	
MW-2	203937-2	Aqueous	
MW-3	203937-3	Aqueous	06/17/03
MW-4	203937-4	Aqueous	06/17/03
MW-5	203937-5	Aqueous	06/17/03
MW-99 (Field Duplicate of MW-1)	203937-6	Aqueous	06/17/03
TB-1	203937-7	Aqueous	06/17/03
FB-1	203937-8	Aqueous	06/17/03

Data Qualifier Definitions:

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R - The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

N - The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."

NJ - The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate quantity.

Sample Receipt:

The Chain of Custody document from 06/17/03 indicates that 5 aqueous samples and the associated Quality Control samples were received at STL Connecticut on 06/18/03 via laboratory courier. Sample login notes and the chain of custody indicated that at the Validated Time of Sample Receipt (VTSR) at the laboratory, the samples were received at the proper temperature and no discrepancies were noted. It can be concluded that the sample integrity has not been compromised.

The data summary tables included in Appendix A includes all usable (qualified) and unusable (rejected) results for the samples identified above. These tables summarize the detailed narrative section of the report. All data validation qualifications have been reported in the excel spreadsheet in bold for ease of review and verification.

NOTE:

L.A.B. Validation Corp. believes it is appropriate to note that the data validation criteria utilized for data evaluation is different than the method requirements utilized by the laboratory. Qualified data does not necessarily mean that the laboratory was non-compliant in the analysis that was performed.

1.0 Volatile Organics by GC/MS SW846 Method 8260B

The following method criteria were reviewed: holding times, SMCs, MS, MSD, LCS Blanks, Tunes, Calibrations, Internal Standards, Target and Non Target Component Identification, Quantitation, Reported Quantitation Limits and Overall System Performance. The volatile results were considered to be valid and usable as noted on the data summary tables in Appendix A and within the following text:

1.1 Holding Time

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the technical holding time is exceeded, the data may not be considered valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimates, "J". The non-detects (sample quantitation limits) are required to be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded.

All aqueous samples pertaining to this SDG were performed within the method and technical holding times for analysis. No qualifications were required based upon holding time criteria.

1.2 System Monitoring Compound (Surrogate) Recovery

All samples are spiked with surrogate compounds prior to sample analysis to evaluate overall laboratory performance and efficiency of the analytical technique. If the measure of surrogate concentrations is outside contract specification, qualifications are required to be applied to associated samples and analytes.

Surrogate recoveries (%R) were found to be within acceptable limits for SMC compounds for all samples pertaining to this SDG.

1.3 Matrix Spikes (MS)/ Matrix Spike Duplicates (MSD)/Matrix Spike Blank (MSB)

The MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices.

Matrix Spike/Matrix Spike Duplicate analysis was performed on MW-1 for this SDG. 1,2-Dichloropropane, Toluene and Styrene recovered slightly above QC limits in either the MS or MSD. Acceptable recoveries were observed for MSB analysis. No data validation qualifications were required.

1.4 Laboratory Control Sample

The LCS data for laboratory control samples (LCS) are generated to provide information on the accuracy of the analytical method and on the laboratory performance.

Acceptable LCS was analyzed.

1.5 Blank Contamination

Quality assurance (QA) blanks: i.e. method, trip and field blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field blanks measure cross-contamination of samples during field operations. Storage blanks measure cross-contamination during sample storage of the field samples.

The following table was utilized to qualify target analyte results due to contamination. The largest value from all the associated blanks is required to be utilized:

For:	Flag Sample Result with a "U" when:	Report CRQL & Qualify "U" when:	No Qualification is Needed when:
Methylene Chloride, Acetone, Toluene & 2-Butanone	Sample Conc. Is >CRQL, but ≤ 10 x blank value	Sample Conc. is <CRQL and ≤ 10 x blank value	Sample Conc. is >CRQL and > 10 x blank value
Other Contaminants	Sample Conc. Is >CRQL, but ≤ 5 x blank value	Sample Conc. Is <CRQL and ≤ 5 x blank value	Sample Conc. is >CRQL and > 5 x blank value

Below is a summary of the compounds in the sample and the associated qualifications that have been applied:

A) **Method Blank Contamination:**

Methylene Chloride was detected in the method blank applicable to field samples at 1 ppb.

B) **Field Blank Contamination:**

The Field Blank was determined to contain Methylene Chloride at 1 ppb.

C) **Trip Blank Contamination:**

Methylene Chloride was detected in the Trip Blank applicable to field samples at 0.9 ppb.

The detected concentrations of Methylene Chloride that were reported by the laboratory in TB-1 and FB-1 were negated during the validation process since the low level concentrations can be attributed to laboratory contamination.

D) **Storage Blank Contamination:**

Storage blanks were not submitted for this SDG. It should be noted that storage blanks are not mandated by SW846 Method 8260B.

1.6 **GC/MS Instrument Performance Check**

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The Tuning standard for volatile organics is Bromofluorobenzene (BFB).

Instrument performance was generated within acceptable limits and frequency for Bromofluorobenzene (BFB) for all analyses conducted for this SDG.

1.7 Initial and Continuing Calibrations

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

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. The response factor for all compounds must be ≥ 0.05 in both initial and continuing calibrations. A value < 0.05 indicates a serious detection and quantitation problem (poor sensitivity). Analytes detected in the sample will be qualified as estimated, "J". All non-detects for that compound in the corresponding samples will be rejected, "R".

All the response factors for the target analytes reported were found to be within acceptable limits (≥ 0.05), for the initial and continuing calibrations.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentrations. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be $< 30\%$ and %D must be $< 25\%$. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and non-detects are flagged "UJ". If %RSD and %D grossly exceed QC criteria, non-detect data may be qualified, "R", unusable. Additionally, in cases where the %RSD is $> 30\%$ and eliminating either the high or the low point of the curve does not restore the %RSD to less than or equal to 30% then positive results are qualified, "J". In cases where removal of either the low or high point restores the linearity, then only low or high level results will be qualified, "J" in the portion of the curve where non linearity exists.

Initial Calibrations: The initial calibrations provided and the %RSD were within acceptable limits (30%) for all compounds.

Continuing Calibrations: The continuing calibrations provided and the %D were within acceptable limits (25%) for all compounds.

1.8 Internal Standards

Internal Standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must not vary by more than a factor of 2 (-50% to +100%) from the associated continuing calibration standard. The retention time of the internal standard must not vary more than $\pm$ 30 seconds from the associated continuing calibration standard. If the area count is outside the (-50% to +100%) range of the associated standard, all of the positive results for compounds quantitated using that IS are qualified as estimated, "U", and all non-detects as "UJ", or "R" if there is a severe loss of sensitivity.

If an internal standard retention time varies by more than 30 seconds, professional judgment will be used to determine either partial or total rejection of the data for that sample fraction.

Internal standard area and retention times met QC requirements for all analysis pertaining to this SDG.

1.9 Target Compound List Identification

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within $\pm$ 0.06RRT units of the standard compound and have an ion spectra which has a ratio of the primary and secondary m/e intensities within 20% of that in the standard compound.

GC/MS spectra for Tetrachloroethene in sample MW-4 met the qualitative criteria for identification. All retention times were within required specifications.

Sample MW-99 was collected as a blind field duplicate of MW-1. Target analytes were not detected in either of these analyses.

Appendix A

Data Summary Tables

With Qualifications

1.10 Tentatively Identified Compounds (TICs)

TICs were reported in accordance with the project requirements. The identification must be considered tentative (both quantitative and qualitative) due to the lack of required compound specific response factors. Consequently all concentrations should be considered estimate, "J" and as a result of the qualitative uncertainty should be qualified, "N".

TICs were not submitted as part of this SDG.

1.11 Compound Quantification and Reported Detection Limits

GC/MS quantitative analysis is considered to be acceptable. Correct internal standards per SW846 and response factors were used to calculate final concentrations.

1.12 Overall System Performance

Good resolution and chromatographic performance were observed. The laboratory results are valid and useable at the concentrations submitted in Appendix A.

Reviewer's Signature _____ Date _____

Case 1	Case 2	Case 3	Case 4	Case 5	Case 6	Case 7	Case 8	Case 9	Case 10	Case 11	Case 12	Case 13	Case 14	Case 15	Case 16	Case 17	Case 18	Case 19	Case 20	Case 21	Case 22	Case 23	Case 24	Case 25	Case 26	Case 27	Case 28	Case 29	Case 30	Case 31	Case 32	Case 33	Case 34	Case 35	Case 36	Case 37	Case 38	Case 39	Case 40	Case 41	Case 42	Case 43	Case 44	Case 45	Case 46	Case 47	Case 48	Case 49	Case 50	Case 51	Case 52	Case 53	Case 54	Case 55	Case 56	Case 57	Case 58	Case 59	Case 60	Case 61	Case 62	Case 63	Case 64	Case 65	Case 66	Case 67	Case 68	Case 69	Case 70	Case 71	Case 72	Case 73	Case 74	Case 75	Case 76	Case 77	Case 78	Case 79	Case 80	Case 81	Case 82	Case 83	Case 84	Case 85	Case 86	Case 87	Case 88	Case 89	Case 90	Case 91	Case 92	Case 93	Case 94	Case 95	Case 96	Case 97	Case 98	Case 99	Case 100	Case 101	Case 102	Case 103	Case 104	Case 105	Case 106	Case 107	Case 108	Case 109	Case 110	Case 111	Case 112	Case 113	Case 114	Case 115	Case 116	Case 117	Case 118	Case 119	Case 120	Case 121	Case 122	Case 123	Case 124	Case 125	Case 126	Case 127	Case 128	Case 129	Case 130	Case 131	Case 132	Case 133	Case 134	Case 135	Case 136	Case 137	Case 138	Case 139	Case 140	Case 141	Case 142	Case 143	Case 144	Case 145	Case 146	Case 147	Case 148	Case 149	Case 150	Case 151	Case 152	Case 153	Case 154	Case 155	Case 156	Case 157	Case 158	Case 159	Case 160	Case 161	Case 162	Case 163	Case 164	Case 165	Case 166	Case 167	Case 168	Case 169	Case 170	Case 171	Case 172	Case 173	Case 174	Case 175	Case 176	Case 177	Case 178	Case 179	Case 180	Case 181	Case 182	Case 183	Case 184	Case 185	Case 186	Case 187	Case 188	Case 189	Case 190	Case 191	Case 192	Case 193	Case 194	Case 195	Case 196	Case 197	Case 198	Case 199	Case 200	Case 201	Case 202	Case 203	Case 204	Case 205	Case 206	Case 207	Case 208	Case 209	Case 210	Case 211	Case 212	Case 213	Case 214	Case 215	Case 216	Case 217	Case 218	Case 219	Case 220	Case 221	Case 222	Case 223	Case 224	Case 225	Case 226	Case 227	Case 228	Case 229	Case 230	Case 231	Case 232	Case 233	Case 234	Case 235	Case 236	Case 237	Case 238	Case 239	Case 240	Case 241	Case 242	Case 243	Case 244	Case 245	Case 246	Case 247	Case 248	Case 249	Case 250	Case 251	Case 252	Case 253	Case 254	Case 255	Case 256	Case 257	Case 258	Case 259	Case 260	Case 261	Case 262	Case 263	Case 264	Case 265	Case 266	Case 267	Case 268	Case 269	Case 270	Case 271	Case 272	Case 273	Case 274	Case 275	Case 276	Case 277	Case 278	Case 279	Case 280	Case 281	Case 282	Case 283	Case 284	Case 285	Case 286	Case 287	Case 288	Case 289	Case 290	Case 291	Case 292	Case 293	Case 294	Case 295	Case 296	Case 297	Case 298	Case 299	Case 300	Case 301	Case 302	Case 303	Case 304	Case 305	Case 306	Case 307	Case 308	Case 309	Case 310	Case 311	Case 312	Case 313	Case 314	Case 315	Case 316	Case 317	Case 318	Case 319	Case 320	Case 321	Case 322	Case 323	Case 324	Case 325	Case 326	Case 327	Case 328	Case 329	Case 330	Case 331	Case 332	Case 333	Case 334	Case 335	Case 336	Case 337	Case 338	Case 339	Case 340	Case 341	Case 342	Case 343	Case 344	Case 345	Case 346	Case 347	Case 348	Case 349	Case 350	Case 351	Case 352	Case 353	Case 354	Case 355	Case 356	Case 357	Case 358	Case 359	Case 360	Case 361	Case 362	Case 363	Case 364	Case 365	Case 366	Case 367	Case 368	Case 369	Case 370	Case 371	Case 372	Case 373	Case 374	Case 375	Case 376	Case 377	Case 378	Case 379	Case 380	Case 381	Case 382	Case 383	Case 384	Case 385	Case 386	Case 387	Case 388	Case 389	Case 390	Case 391	Case 392	Case 393	Case 394	Case 395	Case 396	Case 397	Case 398	Case 399	Case 400	Case 401	Case 402	Case 403	Case 404	Case 405	Case 406	Case 407	Case 408	Case 409	Case 410	Case 411	Case 412	Case 413	Case 414	Case 415	Case 416	Case 417	Case 418	Case 419	Case 420	Case 421	Case 422	Case 423	Case 424	Case 425	Case 426	Case 427	Case 428	Case 429	Case 430	Case 431	Case 432	Case 433	Case 434	Case 435	Case 436	Case 437	Case 438	Case 439	Case 440	Case 441	Case 442	Case 443	Case 444	Case 445	Case 446	Case 447	Case 448	Case 449	Case 450	Case 451	Case 452	Case 453	Case 454	Case 455	Case 456	Case 457	Case 458	Case 459	Case 460	Case 461	Case 462	Case 463	Case 464	Case 465	Case 466	Case 467	Case 468	Case 469	Case 470	Case 471	Case 472	Case 473	Case 474	Case 475	Case 476	Case 477	Case 478	Case 479	Case 480	Case 481	Case 482	Case 483	Case 484	Case 485	Case 486	Case 487	Case 488	Case 489	Case 490	Case 491	Case 492	Case 493	Case 494	Case 495	Case 496	Case 497	Case 498	Case 499	Case 500	Case 501	Case 502	Case 503	Case 504	Case 505	Case 506	Case 507	Case 508	Case 509	Case 510	Case 511	Case 512	Case 513	Case 514	Case 515	Case 516	Case 517	Case 518	Case 519	Case 520	Case 521	Case 522	Case 523	Case 524	Case 525	Case 526	Case 527	Case 528	Case 529	Case 530	Case 531	Case 532	Case 533	Case 534	Case 535	Case 536	Case 537	Case 538	Case 539	Case 540	Case 541	Case 542	Case 543	Case 544	Case 545	Case 546	Case 547	Case 548	Case 549	Case 550	Case 551	Case 552	Case 553	Case 554	Case 555	Case 556	Case 557	Case 558	Case 559	Case 560	Case 561	Case 562	Case 563	Case 564	Case 565	Case 566	Case 567	Case 568	Case 569	Case 570	Case 571	Case 572	Case 573	Case 574	Case 575	Case 576	Case 577	Case 578	Case 579	Case 580	Case 581	Case 582	Case 583	Case 584	Case 585	Case 586	Case 587	Case 588	Case 589	Case 590	Case 591	Case 592	Case 593	Case 594	Case 595	Case 596	Case 597	Case 598	Case 599	Case 600	Case 601	Case 602	Case 603	Case 604	Case 605	Case 606	Case 607	Case 608	Case 609	Case 610	Case 611	Case 612	Case 613	Case 614	Case 615	Case 616	Case 617	Case 618	Case 619	Case 620	Case 621	Case 622	Case 623	Case 624	Case 625	Case 626	Case 627	Case 628	Case 629	Case 630	Case 631	Case 632	Case 633	Case 634	Case 635	Case 636	Case 637	Case 638	Case 639	Case 640	Case 641	Case 642	Case 643	Case 644	Case 645	Case 646	Case 647	Case 648	Case 649	Case 650	Case 651	Case 652	Case 653	Case 654	Case 655	Case 656	Case 657	Case 658	Case 659	Case 660	Case 661	Case 662	Case 663	Case 664	Case 665	Case 666	Case 667	Case 668	Case 669	Case 670	Case 671	Case 672	Case 673	Case 674	Case 675	Case 676	Case 677	Case 678	Case 679	Case 680	Case 681	Case 682	Case 683	Case 684	Case 685	Case 686	Case 687	Case 688	Case 689	Case 690	Case 691	Case 692	Case 693	Case 694	Case 695	Case 696	Case 697	Case 698	Case 699	Case 700	Case 701	Case 702	Case 703	Case 704	Case 705	Case 706	Case 707	Case 708	Case 709	Case 710	Case 711	Case 712	Case 713	Case 714	Case 715	Case 716	Case 717	Case 718	Case 719	Case 720	Case 721	Case 722	Case 723	Case 724	Case 725	Case 726	Case 727	Case 728	Case 729	Case 730	Case 731	Case 732	Case 733	Case 734	Case 735	Case 736	Case 737	Case 738	Case 739	Case 740	Case 741	Case 742	Case 743	Case 744	Case 745	Case 746	Case 747	Case 748	Case 749	Case 750	Case 751	Case 752	Case 753	Case 754	Case 755	Case 756	Case 757	Case 758	Case 759	Case 760	Case 761	Case 762	Case 763	Case 764	Case 765	Case 766	Case 767	Case 768	Case 769	Case 770	Case 771	Case 772	Case 773	Case 774	Case 775	Case 776	Case 777	Case 778	Case 779	Case 780	Case 781	Case 782	Case 783	Case 784	Case 785	Case 786	Case 787	Case 788	Case 789	Case 790	Case 791	Case 792	Case 793	Case 794	Case 795	Case 796	Case 797	Case 798	Case 799	Case 800	Case 801	Case 802	Case 803	Case 804	Case 805	Case 806	Case 807	Case 808	Case 809	Case 810	Case 811	Case 812	Case 813	Case 814	Case 815	Case 816	Case 817	Case 818	Case 819	Case 820	Case 821	Case 822	Case 823	Case 824	Case 825	Case 826	Case 827	Case 828	Case 829	Case 830	Case 831	Case 832	Case 833	Case 834	Case 835	Case 836	Case 837	Case 838	Case 839	Case 840	Case 841	Case 842	Case 843	Case 844	Case 845	Case 846	Case 847	Case 848	Case 849	Case 850	Case 851	Case 852	Case 853	Case 854	Case 855	Case 856	Case 857	Case 858	Case 859	Case 860	Case 861	Case 862	Case 863	Case 864	Case 865	Case 866	Case 867	Case 868	Case 869	Case 870	Case 871	Case 872	Case 873	Case 874	Case 875	Case 876	Case 877	Case 878	Case 879	Case 880	Case 881	Case 882	Case 883	Case 884	Case 885	Case 886	Case 887	Case 888	Case 889	Case 890	Case 891	Case 892	Case 893	Case 894	Case 895	Case 896	Case 897	Case 898	Case 899	Case 900	Case 901	Case 902	Case 903	Case 904	Case 905	Case 906	Case 907	Case 908	Case 909	Case 910	Case 911	Case 912	Case 913	Case 914	Case 915	Case 916	Case 917	Case 918	Case 919	Case 920	Case 921	Case 922	Case 923	Case 924	Case 925	Case 926	Case 927	Case 928	Case 929	Case 930	Case 931	Case 932	Case 933	Case 934	Case 935	Case 936	Case 937	Case 938	Case 939	Case 940	Case 941	Case 942	Case 943	Case 944	Case 945	Case 946	Case 947	Case 948	Case 949	Case 950	Case 951	Case 952	Case 953	Case 954	Case 955	Case 956	Case 957	Case 958	Case 959	Case 960	Case 961	Case 962	Case 963	Case 964	Case 965	Case 966	Case 967	Case 968	Case 969	Case 970	Case 971	Case 972	Case 973	Case 974	Case 975	Case 976	Case 977	Case 978	Case 979	Case 980	Case 981	Case 982	Case 983	Case 984	Case 985	Case 986	Case 987	Case 988	Case 989	Case 990	Case 991	Case 992	Case 993	Case 994	Case 995	Case 996	Case 997	Case 998	Case 999	Case 1000

VOLATILES BY ASP METHOD 8260B

Client: Walden Associates
Project: Imperial Cleaners, Lakeville Road, Lake Success, NYLaboratory: STL Connecticut
SDG 200937

Sample Identification:

Laboratory ID:

Sampling Date:

% Moisture

111

200937

06/17/2013

P3

Cat #	Analyte	Units	
74-87-3	Chloromethane	ug/l	5.0
75-01-4	Vinyl Chloride	ug/l	5.0
74-83-9	Bromomethane	ug/l	5.0
75-00-3	Chloroethane	ug/l	5.0
75-35-4	1,1-Dichloroethene	ug/l	5.0
75-15-0	Carbon Disulfide	ug/l	5.0
67-84-1	Acetone	ug/l	10.0
75-09-2	Methylene Chloride	ug/l	5.0
156-50-5	trans-1,2-Dichloroethene	ug/l	5.0
75-34-3	1,1-Dichloroethane	ug/l	5.0
108-03-4	Vinyl Acetate	ug/l	5.0
158-58-2	cis-1,2-Dichloroethene	ug/l	5.0
78-83-3	2-Butanone	ug/l	10.0
67-66-3	Chloroform	ug/l	5.0
75-35-6	1,1,1-Trichloroethane	ug/l	5.0
56-23-5	Carbon Tetrachloride	ug/l	5.0
71-43-2	Bromobenzene	ug/l	5.0
107-06-2	1,2-Dichloroethane	ug/l	5.0
79-01-6	Trichloroethene	ug/l	5.0
78-87-5	1,2-Dichloropropane	ug/l	5.0
75-27-4	Bromochloromethane	ug/l	5.0
10081-01-5	cis-1,3-Dichloropropene	ug/l	5.0
108-10-1	4-Methyl-2-Pentanone	ug/l	10.0
108-88-3	Toluene	ug/l	5.0
10081-02-6	trans-1,3-Dichloropropene	ug/l	5.0
79-00-5	1,1,2-Trichloroethane	ug/l	5.0
127-18-4	Tetrachloroethene	ug/l	5.0
591-78-6	2-Hexanone	ug/l	10.0
124-48-1	Dibromochloromethane	ug/l	5.0
108-90-7	Chlorobenzene	ug/l	5.0
100-41-4	Ethylbenzene	ug/l	5.0
100-42-5	Styrene	ug/l	5.0
75-25-2	Bromoform	ug/l	5.0
78-34-5	1,1,2,2-Tetrachloroethane	ug/l	5.0
1330-20-7	Xylenes (Total)	ug/l	5.0

Appendix B

Chain of Custody

STL Connecticut
128 Long Hill Cross Road
Shelton, CT 06484
Tel: (203) 929-8140
Fax: (203) 929-8142

JOB #:

NT: Spengel Associates c/o Walton Associates
 SUBJECT ID: 212 Lakeside Road, Lake Success NY
 PROJECT MGR: Paul Whelan

YES	NO	DUE DATE
☐	☒	

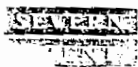
CLIENT SAMPLE ID	DATE/TIME SAMPLED	MATRIX	LAB ID	QC Y/N
MW-1	6/17/03 11:5	Λ_2	(21)	
MW-2	6/17/03 13:0	Λ_L	(22)	
MW-3	6/18/03 10:30	Λ_7	(23)	
MW-4	6/17/03 13:30	Λ_1	(24)	
MW-5	6/18/03 10:45	Λ_L	(25)	
MW-94 (B.C.)	6/17/03 11:5	Λ_L	(26)	
FB-1	6/17/03 11:5	CS	(27)	
FB-1	6/17/03 13:0	CS	(28)	
MW-1 - MS	6/17/03 13:0	Λ_4	(29)	
MW-1 - MS	6/17/03 13:0	Λ_4	(31)	

[illegible]

MATRIX CODES		BOTTLES PREPARED BY		DATE/TIME		BOTTLES RECEIVED BY		DATE/TIME		REMARKS ON SAMPLE RECEIPT	
AIR	S - SOIL	Signature <i>Norman S. B. Smith</i>		DATE/TIME <i>6/18/63</i>		Signature <i>Richard</i>		DATE/TIME <i>6/18/63</i>		REMARKS ON SAMPLE RECEIPT 1 - BOTTLES 1 - BOTTLES	
AQUEOUS	SL - SLURRY										
COMPLEX	W - WEP	Signature <i>Norman S. B. Smith</i>		DATE/TIME <i>6/18/63</i>		Signature <i>Richard</i>		DATE/TIME <i>6/18/63</i>		REMARKS ON SAMPLE RECEIPT 1 - BOTTLES 1 - BOTTLES	
DRUM WASTE	O - OTHER										
OIL	FB - FIELD BLACK	Signature <i>Norman S. B. Smith</i>		DATE/TIME <i>6/18/63</i>		Signature <i>Richard</i>		DATE/TIME <i>6/18/63</i>		REMARKS ON SAMPLE RECEIPT 1 - BOTTLES 1 - BOTTLES	
	IB - TRIP BLACK										

Appendix C

SDG Narrative



STL Report: 203937
WALDEN ASSOCIATES

Case Narrative

Sample Receipt - All samples were received in good condition and at the correct temperature.

Volatile Organics - Volatile organics were determined by gas chromatography/mass spectrometry as provided in Method 8260-B. The instrument used was a Hewlett-Packard 6890/5973. The results are listed in the table below.

The spike sample and percent recovery were within the acceptable range for the independent source quality control samples.

Some compounds did not meet performance criteria and were not included in the final report.

Sample Results

Sample ID: 203937-1

Compound: 1,1,1-Trichloroethane

$$\frac{23775 - 12500}{100000 - 38800} = 0.51 = 1 \text{ ug/l}$$

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative.

I certify that this data package is in compliance with the terms and conditions of this contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Jeffrey C. Curran
 Laboratory Manager

Date: 10/11/97

Appendix B, Part 2

L.A.B. Validation Report of Pulse 2's Groundwater Sampling

per

DATA VALIDATION REPORT

ORGANIC ANALYSIS

**NYSDEC ASP 10/95 SW846 METHOD 8260B
VOLATILES BY GC/MS**

**For Aqueous Samples Collected
July 09, 2003
From Imperial Cleaners, 218 Lakeville Road, Lake Success, New York
Walden Associates**

**SAMPLE DELIVERY GROUP NUMBER: 204118
STL Connecticut**

SUBMITTED TO:

**Mr. Norm Bradley/Project Manager
Walden Associates
16 Spring Street
Oyster Bay, New York 11771**

August 01, 2003

PREPARED BY:

Lori A. Beyer
**Lori A. Beyer/President
L.A.B. Validation Corp.
14 West Point Drive
East Northport, NY 11731**

Imperial Cleaners –218 Lakeville Road, Lake Success, NY

Data Validation Report: Volatile Organics

Table of Contents:

Introduction

Data Qualifier Definitions

Sample Receipt

- 1.0 Volatile Organics by GC/MS SW846 Method 8260B
 - 1.1 Holding Time
 - 1.2 System Monitoring Compound (Surrogate) Recovery
 - 1.3 Matrix Spikes (MS), Matrix Spike Duplicates (MSD)
 - 1.4 Laboratory Control Sample
 - 1.5 Blank Contamination
 - 1.6 GC/MS Instrument Performance Check
 - 1.7 Initial and Continuing Calibrations
 - 1.8 Internal Standards
 - 1.9 Target Compound List Identification
 - 1.10 Tentatively Identified Compounds (TICs)
 - 1.11 Compound Quantification and Reported Detection Limits
 - 1.12 Overall System Performance

APPENDICES:

- A. Data Summary Tables with Qualifications
- B. Chain of Custody Documents

Introduction:

A validation was performed on five (5) aqueous field samples for Volatile Organic analysis collected by Walden Associates and submitted to STL Connecticut for subsequent analysis under chain of custody documentation. This report contains the laboratory and validation results for the samples itemized below. The samples were collected on July 09, 2003.

The samples were analyzed by STL Connecticut, utilizing SW846 Method 8260B and in accordance with NYSDEC Analytical Services Protocol (10/95) and submitted under NYSDEC ASP Category B equivalent deliverable requirements for the associated analytical methodology employed. The analytical testing consisted of the Target Compound List (TCL) of analytes for Volatile Organics.

The data was evaluated in accordance with the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (Publication 9240.1-05) and in conjunction with the analytical methodology for which the samples were analyzed, where applicable and relevant.

The data validation report pertains to the following aqueous and quality control samples:

Sample Identification	Laboratory Identification	Sample Matrix	Collection Date
MW-1	204118-1	Aqueous	07/09/03
MW-2	204118-2	Aqueous	07/09/03
MW-3	204118-3	Aqueous	07/09/03
MW-4	204118-4	Aqueous	07/09/03
MW-5	204118-5	Aqueous	07/09/03

Data Qualifier Definitions:

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R - The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

N - The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."

NJ - The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate quantity.

Sample Receipt:

The Chain of Custody document from 07/09/03 indicates that 5 aqueous samples were received at STL Connecticut on 07/10/03 via laboratory courier. Sample login notes and the chain of custody indicated that at the Validated Time of Sample Receipt (VTSR) at the laboratory, the samples were received at the proper temperature and no discrepancies were noted. It can be concluded that the sample integrity has not been compromised.

The data summary tables included in Appendix A includes all usable (qualified) and unusable (rejected) results for the samples identified above. These tables summarize the detailed narrative section of the report. All data validation qualifications have been reported in the excel spreadsheet in bold for ease of review and verification.

NOTE:

L.A.B. Validation Corp. believes it is appropriate to note that the data validation criteria utilized for data evaluation is different than the method requirements utilized by the laboratory. Qualified data does not necessarily mean that the laboratory was non-compliant in the analysis that was performed.

1.0 Volatile Organics by GC/MS SW846 Method 8260B

The following method criteria were reviewed: holding times, SMCs, MS, MSD, LCS Blanks, Tunes, Calibrations, Internal Standards, Target and Non Target Component Identification, Quantitation, Reported Quantitation Limits and Overall System Performance. The volatile results were considered to be valid and usable as noted on the data summary tables in Appendix A and within the following text:

1.1 Holding Time

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the technical holding time is exceeded, the data may not be considered valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimates, "J". The non-detects (sample quantitation limits) are required to be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded.

All aqueous samples pertaining to this SDG were performed within the method and technical holding times for analysis. No qualifications were required based upon holding time criteria.

1.2 System Monitoring Compound (Surrogate) Recovery

All samples are spiked with surrogate compounds prior to sample analysis to evaluate overall laboratory performance and efficiency of the analytical technique. If the measure of surrogate concentrations is outside contract specification, qualifications are required to be applied to associated samples and analytes.

Surrogate recoveries (%R) were found to be within acceptable limits for SMC compounds for all samples pertaining to this SDG.

1.3 Matrix Spikes (MS)/ Matrix Spike Duplicates (MSD)/Matrix Spike Blank (MSB)

The MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices.

Matrix Spike/Matrix Spike Duplicate analysis was not conducted for this SDG. Since acceptable LCS was analyzed, no data validation qualifications were applied.

1.4 Laboratory Control Sample

The LCS data for laboratory control samples (LCS) are generated to provide information on the accuracy of the analytical method and on the laboratory performance.

Acceptable LCS was analyzed.

1.5 Blank Contamination

Quality assurance (QA) blanks; i.e. method, trip and field blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field blanks measure cross-contamination of samples during field operations. Storage blanks measure cross-contamination during sample storage of the field samples.

The following table was utilized to qualify target analyte results due to contamination. The largest value from all the associated blanks is required to be utilized:

For:	Flag Sample Result with a "U" when:	Report CRQL & Qualify "U" when:	No Qualification is Needed when:
Methylene Chloride, Acetone, Toluene & 2-Butanone	Sample Conc. Is >CRQL, but $\leq 10 \times$ blank value	Sample Conc. is <CRQL and $\leq 10 \times$ blank value	Sample Conc. is >CRQL and $> 10 \times$ blank value
Other Contaminants	Sample Conc. Is >CRQL, but $\leq 5 \times$ blank value	Sample Conc. Is <CRQL and $\leq 5 \times$ blank value	Sample Conc. is >CRQL and $> 5 \times$ blank value

Below is a summary of the compounds in the sample and the associated qualifications that have been applied:

A) Method Blank Contamination:

Methylene Chloride was detected in the method blank applicable to field samples at 1 ppb.

B) Field Blank Contamination:

Field Blank analysis was not submitted for this SDG.

C) Trip Blank Contamination:

Trip Blank analysis was not submitted for this SDG.

Methylene Chloride was not detected in any of the field samples associated with this SDG and therefore no data validation qualifiers were required.

D) Storage Blank Contamination:

Storage blanks were not submitted for this SDG. It should be noted that storage blanks are not mandated by SW846 Method 8260B.

1.6 GC/MS Instrument Performance Check

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The Tuning standard for volatile organics is Bromofluorobenzene (BFB).

Instrument performance was generated within acceptable limits and frequency for Bromofluorobenzene (BFB) for all analyses conducted for this SDG.

1.7 Initial and Continuing Calibrations

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

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. The response factor for all compounds must be ≥ 0.05 in both initial and continuing calibrations. A value < 0.05 indicates a serious detection and quantitation problem (poor sensitivity). Analytes detected in the sample will be qualified as estimated, "J". All non-detects for that compound in the corresponding samples will be rejected, "R".

All the response factors for the target analytes reported were found to be within acceptable limits (≥ 0.05), for the initial and continuing calibrations.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentrations. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be $< 30\%$ and %D must be $< 25\%$. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and non-detects are flagged "UJ". If %RSD and %D grossly exceed QC criteria, non-detect data may be qualified, "R", unusable. Additionally, in cases where the %RSD is $> 30\%$ and eliminating either the high or the low point of the curve does not restore the %RSD to less than or equal to 30% then positive results are qualified, "J". In cases where removal of either the low or high point restores the linearity, then only low or high level results will be qualified, "J" in the portion of the curve where non linearity exists.

Initial Calibrations: The initial calibrations provided and the %RSD were within acceptable limits (30%) for all compounds with the exception of Bromomethane (32.2%), Chloroethane (32.3%) and Xylenes [total] (42.0%). Non detects must be considered estimated in all samples at the level reported in the summary tables.

Continuing Calibrations: The continuing calibrations provided and the %D were within acceptable limits (25%) for all compounds with the exception of Bromomethane and Chloroethane which were previously qualified as a result of initial calibration %RSD.

1.8 Internal Standards

Internal Standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must not vary by more than a factor of 2 (-50% to +100%) from the associated continuing calibration standard. The retention time of the internal standard must not vary more than +/- 30 seconds from the associated continuing calibration standard. If the area count is outside the (-50% to +100%) range of the associated standard, all of the positive results for compounds quantitated using that IS are qualified as estimated, "J", and all non-detects as "UJ", or "R" if there is a severe loss of sensitivity.

If an internal standard retention time varies by more than 30 seconds, professional judgment will be used to determine either partial or total rejection of the data for that sample fraction.

Internal standard area and retention times met QC requirements for all analysis pertaining to this SDG.

1.9 Target Compound List Identification

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within ± 0.06 RRT units of the standard compound and have an ion spectra which has a ratio of the primary and secondary m/e intensities within 20% of that in the standard compound.

No target compounds were detected in any of the field samples associated with this SDG. All retention times were within required specifications.

1.10 Tentatively Identified Compounds (TICs)

TICs were reported in accordance with the project requirements. The identification must be considered tentative (both quantitative and qualitative) due to the lack of required compound specific response factors. Consequently all concentrations should be considered estimate, "J" and as a result of the qualitative uncertainty should be qualified, "N".

TICs were not submitted as part of this SDG.

1.11 Compound Quantification and Reported Detection Limits

GC/MS quantitative analysis is considered to be acceptable. Correct internal standards per SW846 and response factors were used to calculate final concentrations.

1.12 Overall System Performance

Good resolution and chromatographic performance were observed. The laboratory results are valid and useable at the concentrations submitted in Appendix A.

Reviewer's Signature Eric J. Farr Date 08/10/07

Appendix A

Data Summary Tables

With Qualifications

Client: Wallden Associates
Project: Imperial Cleaners, Lakeville Road, Lake Success, NY
Laboratory: STL Connecticut

SDG 204118
Sample Identification:
Laboratory ID:
Sampling Date:
% Moisture

MW-1
204118-1
7/9/2003
NA

MW-2
204118-2
7/9/2003
NA

MW-3
204118-3
7/9/2003
NA

MW-4
204118-4
7/9/2003
NA

MW-5
204118-5
7/9/2003
NA

VOLATILES BY ASP METHOD 8260B

Gas #	Analyte	Units:
74-87-3	Chloromethane	ug/L
75-01-4	Vinyl Chloride	ug/L
74-83-9	Bromomethane	5 UJ
75-00-3	Chloroethane	5 UJ
75-35-4	1,1-Dichloroethane	5 UJ
75-15-0	Carbon Disulfide	5 UJ
57-84-1	Acetone	10 UJ
75-09-2	Methylene Chloride	5 UJ
75-00-5	trans-1,2-Dichloroethane	5 UJ
75-34-3	1,1-Dichloroethane	5 UJ
75-35-4	Vinyl Acetate	5 UJ
105-69-2	cis-1,2-Dichloroethane	5 UJ
78-07-5	Ethylacetate	5 UJ
67-66-3	Chloroform	10 UJ
56-23-5	1,1,1-Trichloroethane	5 UJ
71-43-2	Carbon Tetrachloride	5 UJ
107-06-2	Benzene	5 UJ
79-01-6	Trichloroethane	5 UJ
78-87-5	1,2-Dichloropropane	5 UJ
75-27-4	Bromodichloromethane	5 UJ
10061-01-5	cis-1,3-Dichloropropene	5 UJ
108-10-1	4-Methyl-2-Pentanone	5 UJ
108-88-3	Toluene	10 UJ
79-00-5	trans-1,2-Dichloropropene	5 UJ
10061-02-6	trans-1,3-Dichloroethane	5 UJ
127-18-4	Tetrachloroethane	5 UJ
591-78-6	2-Hexanone	10 UJ
124-48-1	Dibromochloromethane	5 UJ
108-90-7	Chlorobenzene	5 UJ
100-41-4	Ethylbenzene	5 UJ
100-42-5	Styrene	5 UJ
75-25-2	Bromoform	5 UJ
79-34-5	1,1,2,2-Tetrachloroethane	5 UJ
1330-20-7	Xylenes (Total)	5 UJ

Appendix B

Chain of Custody

STL JOB #: 204118

CLIENT: Spiegel Associates C/o Walden Associates

PROJECT ID: 218 Lakeville Rd Success NY

STL PROJECT MGR: Paul Hobart

RUSH ☐ YES ☒ NO DUE DATE

BOTTLE SET #	CLIENT SAMPLE ID	DATE/TIME SAMPLED	MATRIX	LAB ID	LOC	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	SAMPLE REMARKS
	MW-1	7/9 14:40	Aa	01	(N)	X										
	MW-2	7/9 13:30	Aa	02		X										
	MW-3	7/9 11:10	Aa	03		X										
	MW-4	7/9 12:10	Aa	04		X										
	MW-5	7/9 9:44	Aa	05		X										
	MW-6 (Dup)	7/9 14:40	Aa	06		X										
	MW-2 (Dup)	7/9 13:30	Aa	07		X										
	MW-3 (Dup)	7/9 11:10	Aa	08		X										
	MW-4 (Dup)	7/9 12:10	Aa	09		X										
	N - 5 (Dup)	7/9 9:44	Aa	05		X										

"PASSED RAD SCREEN"

204118
WALDEN ASSOCIATES
STEPHEN BYATT
218 LAKEVILLE ROAD ASSOCIATES

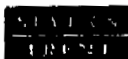
07/22/2003

1.30

MATRIX CODES	BOTTLES PREPARED BY	DATE/TIME	BOTTLES REC'D BY	DATE/TIME	REMARKS ON SAMPLE RECEIPT
A - AIR AQ - AQUEOUS C - COMPLEX D - DRUM WASTE OI - OIL	Norm Bradley	7/9	RICHARD L FORD	7/10/03	☐ BOTTLES INTACT ☐ CUSTODY SEAL
S - SOIL SL - SLUDGE W - WIPE	Norm Bradley		RICHARD L FORD	12:40	☐ PRESERVED ☐ SEALS INTACT
O - OTHER FB - FIELD BLANK TB - TRIP BLANK	Norm Bradley	7/9	RICHARD L FORD	7/10/03	☐ CHILLED ☐ SEE REMARKS
	Norm Bradley		RICHARD L FORD	19:05	

Appendix C

SDG Narrative

**STL**

STL Report : 204118
WALDEN ASSOCIATES

Case Narrative

Sample Receipt - All samples were received in good condition and at the proper temperature.

Volatile Organics - Volatile organics were determined by purge and trap GC/MS using guidance provided in Method 5030B/8260B. The instrumentation used was a Tekmar Model 2000 Concentrator/Encon autosampler interfaced with a Hewlett Packard Model 5971A GC/MS/DS.

The spike compound percent recoveries were within the laboratory generated guidelines in the independent source quality control sample except for chlorobenzene.

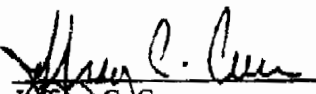
Sample Calculation:

Sample ID-MW-1
Compound-Bromofluorobenzene

$(22983)(125)(1) = 22.79 \text{ UG/L.}$
 $(30676)(.822)(5)$

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative.

I certify that this data package is in compliance with the terms and conditions of this contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature.


Jeffrey C. Curran
Laboratory Manager

July 21, 2003
Date

0000001

Appendix B, Part 3

L.A.B. Validation Report of Pulse 3's Groundwater Sampling

DATA VALIDATION REPORT

ORGANIC ANALYSIS

**NYSDEC ASP 10/95 SW846 METHOD 8260B
VOLATILES BY GC/MS**

**For Aqueous Samples Collected
August 01, 2003
From Imperial Cleaners, 218 Lakeville Road, Lake Success, New York
Walden Associates**

**SAMPLE DELIVERY GROUP NUMBER: 204351
STL Connecticut**

SUBMITTED TO:

**Mr. Norm Bradley/Project Manager
Walden Associates
16 Spring Street
Oyster Bay, New York 11771**

August 25, 2003

PREPARED BY:

Lori Beyer
**Lori A. Beyer/President
L.A.B. Validation Corp.
14 West Point Drive
East Northport, NY 11731**

Imperial Cleaners –218 Lakeville Road, Lake Success, NY
Data Validation Report: Volatile Organics

Table of Contents:

Introduction
Data Qualifier Definitions
Sample Receipt

- 1.0 Volatile Organics by GC/MS SW846 Method 8260B
 - 1.1 Holding Time
 - 1.2 System Monitoring Compound (Surrogate) Recovery
 - 1.3 Matrix Spikes (MS), Matrix Spike Duplicates (MSD)
 - 1.4 Laboratory Control Sample
 - 1.5 Blank Contamination
 - 1.6 GC/MS Instrument Performance Check
 - 1.7 Initial and Continuing Calibrations
 - 1.8 Internal Standards
 - 1.9 Target Compound List Identification
 - 1.10 Tentatively Identified Compounds (TICs)
 - 1.11 Compound Quantification and Reported Detection Limits
 - 1.12 Overall System Performance

APPENDICES:

- A. Data Summary Tables with Qualifications
- B. Chain of Custody Documents

Introduction:

A validation was performed on ten (10) aqueous field samples for Volatile Organic analysis collected by Walden Associates and submitted to STL Connecticut for subsequent analysis under chain of custody documentation. This report contains the laboratory and validation results for the samples itemized below. The samples were collected on August 01, 2003.

The samples were analyzed by STL Connecticut, utilizing SW846 Method 8260B and in accordance with NYSDEC Analytical Services Protocol (10/95) and submitted under NYSDEC ASP Category B equivalent deliverable requirements for the associated analytical methodology employed. The analytical testing consisted of the Target Compound List (TCL) of analytes for Volatile Organics.

The data was evaluated in accordance with the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (Publication 9240.1-05) and in conjunction with the analytical methodology for which the samples were analyzed, where applicable and relevant.

The data validation report pertains to the following aqueous samples:

Sample Identification	Laboratory Identification	Sample Matrix	Collection Date
Sample 1 (MW1)	204351-1	Aqueous	08/01/03
Sample 2 (MW2)	204351-2	Aqueous	08/01/03
Sample 3 (MW3)	204351-3	Aqueous	08/01/03
Sample 4 (MW4)	204351-4	Aqueous	08/01/03
Sample 5 (MW5)	204351-5	Aqueous	08/01/03
Sample 6 (FB)	204351-6	Aqueous	08/01/03
Sample 7 (TB)	204351-7	Aqueous	08/01/03
Sample 8 (MW99 field duplicate)	204351-8	Aqueous	08/01/03
Sample 9 (MW4 MS)	204351-9	Aqueous	08/01/03
Sample 10 (MW4 MSD)	204351-10	Aqueous	08/01/03

Data Qualifier Definitions:

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R - The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

N - The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."

NJ - The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate quantity.

Sample Receipt:

The Chain of Custody document from 08/01/03 indicates that 10 aqueous samples were received at STL Connecticut on 08/04/03 via laboratory courier. Sample login notes and the chain of custody indicated that at the Validated Time of Sample Receipt (VTSR) at the laboratory, the samples were received at the proper temperature and packed on ice. The labels on the vials were illegible and the sample vials were arbitrarily assigned identifications "Sample 1 through Sample 10." It cannot be determined which vial pertains to which field sample. Tetrachloroethene was the only compound reported in two (2) of the field samples at 1 ug/L. The detection of this compound has been rejected and reported at the non-detect level of 5 UJ. The data validation was performed based upon laboratory associated quality control analysis in an effort to render some usable information. Minimally, the data can be utilized to document that none of the wells contained target analytes >5 ppb (or 10 ppb for ketones).

The data summary tables included in Appendix A includes all usable (qualified) and unusable (rejected) results for the samples identified above. These tables summarize the detailed narrative section of the report. All data validation qualifications have been reported in the excel spreadsheet in bold for ease of review and verification.

NOTE:

L.A.B. Validation Corp. believes it is appropriate to note that the data validation criteria utilized for data evaluation is different than the method requirements utilized by the laboratory. Qualified data does not necessarily mean that the laboratory was non-compliant in the analysis that was performed.

1.0 Volatile Organics by GC/MS SW846 Method 8260B

The following method criteria were reviewed: holding times, SMCs, MS, MSD, LCS Blanks, Tunes, Calibrations, Internal Standards, Target and Non Target Component Identification, Quantitation, Reported Quantitation Limits and Overall System Performance. The volatile results were considered to be valid and usable with qualifications as noted on the data summary tables in Appendix A and within the following text:

1.1 Holding Time

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the technical holding time is exceeded, the data may not be considered valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimates, "J". The non-detects (sample quantitation limits) are required to be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded.

All aqueous samples pertaining to this SDG were performed within the method and technical holding times for analysis. No qualifications were required based upon holding time criteria.

1.2 System Monitoring Compound (Surrogate) Recovery

All samples are spiked with surrogate compounds prior to sample analysis to evaluate overall laboratory performance and efficiency of the analytical technique. If the measure of surrogate concentrations is outside contract specification, qualifications are required to be applied to associated samples and analytes.

Surrogate recoveries (%R) were found to be within acceptable limits for SMC compounds for all samples pertaining to this SDG.

1.3 Matrix Spikes (MS)/ Matrix Spike Duplicates (MSD)/Matrix Spike Blank (MSB)

The MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices.

Matrix Spike/Matrix Spike Duplicate analysis was conducted on "Sample 1" for this SDG. "Sample 1 (MW1)" was spiked with the entire TCL mix. Chloroethane recovered slightly below in house QC acceptance limits in the MS at 56%. Non-detects for this analyte has been qualified as estimated, "UJ" for all samples. Additionally, 1,2-Dichloropropane recovered high at 110%. No qualifiers were applied since this compound was not detected in associated field samples and potential lose of analytes has not occurred. RPD's for Chloroethane, Acetone, 2-Butanone and 2-Hexanone fell slightly outside control limits. No additional qualifiers were applied.

1.4 Laboratory Control Sample

The LCS data for laboratory control samples (LCS) are generated to provide information on the accuracy of the analytical method and on the laboratory performance.

Acceptable LCS was analyzed. All recoveries fell within acceptance ranges.

1.5 Blank Contamination

Quality assurance (QA) blanks; i.e. method, trip and field blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field blanks measure cross-contamination of samples during field operations. Storage blanks measure cross-contamination during sample storage of the field samples.

The following table was utilized to qualify target analyte results due to contamination. The largest value from all the associated blanks is required to be utilized:

For:	Flag Sample Result with a "U" when:	Report CRQL & Qualify "U" when:	No Qualification is Needed when:
Methylene Chloride, Acetone, Toluene & 2-Butanone	Sample Conc. Is >CRQL, but $\leq 10x$ blank value	Sample Conc. is <CRQL and $\leq 10x$ blank value	Sample Conc. is >CRQL and $> 10x$ blank value
Other Contaminants	Sample Conc. Is >CRQL, but $\leq 5x$ blank value	Sample Conc. Is <CRQL and $\leq 5x$ blank value	Sample Conc. is >CRQL and $> 5x$ blank value

Below is a summary of the compounds in the sample and the associated qualifications that have been applied:

A) Method Blank Contamination:

Methylene Chloride was detected in the method blanks applicable to field samples. Since this compound was not detected in associated field samples, no qualifications to the data were required.

B) Field Blank Contamination:

Field Blank analysis was submitted on the chain of custody for this SDG, however, since the sample labels were illegible at VTSR it cannot be determined which analysis was the Field Blank.

C) Trip Blank Contamination:

Trip Blank analysis was submitted on the chain of custody for this SDG, however, since the sample labels were illegible at VTSR it cannot be determined which analysis was the Trip Blank.

D) Storage Blank Contamination:

Storage blanks were not submitted for this SDG. It should be noted that storage blanks are not mandated by SW846 Method 8260B.

1.6 GC/MS Instrument Performance Check

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The Tuning standard for volatile organics is Bromofluorobenzene (BFB).

Instrument performance was generated within acceptable limits and frequency for Bromofluorobenzene (BFB) for all analyses conducted for this SDG.

1.7 Initial and Continuing Calibrations

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

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. The response factor for all compounds must be ≥ 0.05 in both initial and continuing calibrations. A value < 0.05 indicates a serious detection and quantitation problem (poor sensitivity). Analytes detected in the sample will be qualified as estimated, "J". All non-detects for that compound in the corresponding samples will be rejected, "R".

All the response factors for the target analytes reported were found to be within acceptable limits (≥ 0.05), for the initial and continuing calibrations.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentrations. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be $< 30\%$ and %D must be $< 25\%$. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and non-detects are flagged "UJ". If %RSD and %D grossly exceed QC criteria, non-detect data may be qualified, "R", unusable. Additionally, in cases where the %RSD is $> 30\%$ and eliminating either the high or the low point of the curve does not restore the %RSD to less than or equal to 30% then positive results are qualified, "J". In cases where removal of either the low or high point restores the linearity, then only low or high level results will be qualified, "J" in the portion of the curve where non linearity exists.

Initial Calibrations: The initial calibrations provided and the %RSD was within acceptable limits (30%) for all compounds with the exception of Bromomethane (31.9%) and Chloroethane (40.4%). Chloroethane was previously qualified based upon MS recoveries. Non-detects must be considered estimated in all samples at the level reported in the summary tables.

Continuing Calibrations: The continuing calibrations provided and the %D was within acceptable limits (25%) for all compounds with the following exceptions:

COMPOUND	CALIBRATION DATE/INSTRUMENT	%D	AFFECTED SAMPLES
Bromomethane	08/12/03	43.9	All field samples were qualified "UJ"
Trichloroethene	08/12/03	30.4	All field samples were qualified "UJ"
Tetrachloroethene	08/12/03	31.4	All field samples were qualified "UJ"
Dibromochloromethane	08/12/03	28.4	All field samples were qualified "UJ"
1,1,1,2-Tetrachloroethane	08/12/03	29.0	All field samples were qualified "UJ"
Bromoform	08/12/03	33.2	All field samples were qualified "UJ"
Chloroethane	08/13/03	26.3	All field samples were qualified "UJ"
Acetone	08/13/03	33.3	All field samples were qualified "UJ"

1.8 Internal Standards

Internal Standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must not vary by more than a factor of 2 (-50% to +100%) from the associated continuing calibration standard. The retention time of the internal standard must not vary more than +/- 30 seconds from the associated continuing calibration standard. If the area count is outside the (-50% to +100%) range of the associated standard, all of the positive results for compounds quantitated using that IS are qualified as estimated, "J", and all non-detects as "UJ", or "R" if there is a severe loss of sensitivity.

If an internal standard retention time varies by more than 30 seconds, professional judgment will be used to determine either partial or total rejection of the data for that sample fraction.

Internal standard area and retention times met QC requirements for all analysis pertaining to this SDG.

1.9 Target Compound List Identification

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within ± 0.06 RRT units of the standard compound and have an ion spectra which has a ratio of the primary and secondary m/e intensities within 20% of that in the standard compound.

GC/MS qualitative criteria for spectral identification were met as well as retention times.

1.10 Tentatively Identified Compounds (TICs)

TICs were reported in accordance with the project requirements. The identification must be considered tentative (both quantitative and qualitative) due to the lack of required compound specific response factors. Consequently all concentrations should be considered estimate, "J" and as a result of the qualitative uncertainty should be qualified, "N".

TICs were not submitted as part of this SDG.

1.11 Compound Quantification and Reported Detection Limits

GC/MS quantitative analysis is considered to be acceptable. Correct internal standards per SW846 and response factors were used to calculate final concentrations.

1.12 Overall System Performance

Good resolution and chromatographic performance were observed. The laboratory results are valid and useable at the concentrations submitted in Appendix A.

The laboratory reported concentration for Tetrachloroethene of 1 ug/L in "Sample 4 (MW4)" and "Sample 9 (MW4 MS)" were rejected and brought to the CRQL of 5UJ due to insufficient information as to the sample well from which it was collected. Since it is assumed that 1 ppb is well below any project required action level it can definitely be documented that Tetrachloroethene is not present above 5 ug/L in any of the wells pertaining to this sampling event. The reported non-detect value has been qualified "UJ" as a result of high %D in the continuing calibration.

Reviewer's Signature Lou A. Be Date 08/25/03

Appendix A

Data Summary Tables

With Qualifications

VOLATILES BY ASP METHOD 8260B

Client: Walden Associates
Project: Imperial Cleaners, Lakeville Road, Lake Success, NY
Lab: NY-101, STL Connecticut
SPG 204351

Sample Identification:

Laboratory ID:

Sampling Date:

% Moisture

Sample 8 (MW90)

204351-8

8/12/2003

NA

Sample 9 (MW4 MS)

204351-9

8/12/2003

NA

Sample 10 (MW4 MS)

204351-10

8/12/2003

NA

Cas #	Analyte	Units:	Sample 8 (MW90)	Sample 9 (MW4 MS)	Sample 10 (MW4 MS)
74-87-3	Chloromethane	ug/L	5 U	5 U	5 U
75-01-4	Vinyl Chloride	ug/L	5 U	5 U	5 U
74-83-9	Bromomethane	ug/L	5 UJ	5 UJ	5 UJ
75-00-3	Chloroethane	ug/L	5 UJ	5 UJ	5 UJ
75-35-4	1,1-Dichloroethene	ug/L	5 U	5 U	5 U
75-15-0	Carbon Disulfide	ug/L	5 U	5 U	5 U
67-64-1	Acetone	ug/L	10 UJ	10 UJ	10 UJ
75-06-2	Methylene Chloride	ug/L	5 U	5 U	5 U
155-60-5	trans-1,2-Dichloroethene	ug/L	5 U	5 U	5 U
75-34-3	1,1-Dichloroethane	ug/L	5 U	5 U	5 U
108-06-4	Vinyl Acetate	ug/L	5 U	5 U	5 U
158-58-2	cis-1,2-Dichloroethene	ug/L	5 U	5 U	5 U
78-83-3	2-Butanone	ug/L	10 U	10 U	10 U
67-66-3	Chloroform	ug/L	5 U	5 U	5 U
71-55-6	1,1,1-Trichloroethane	ug/L	5 U	5 U	5 U
55-23-5	Carbon Tetrachloride	ug/L	5 U	5 U	5 U
71-43-2	Benzene	ug/L	5 U	5 U	5 U
107-06-2	1,2-Dichloroethane	ug/L	5 UJ	5 UJ	5 UJ
79-01-6	Trichloroethene	ug/L	5 U	5 U	5 U
78-87-5	1,2-Dichloropropane	ug/L	5 U	5 U	5 U
75-27-4	Bromodichloromethane	ug/L	5 U	5 U	5 U
10061-01-5	cis-1,3-Dichloropropene	ug/L	5 U	5 U	5 U
1008-10-1	4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U
10061-02-6	Toluene	ug/L	5 U	5 U	5 U
79-00-5	trans-1,3-Dichloropropene	ug/L	5 U	5 U	5 U
127-18-4	1,1,1-Trichloroethane	ug/L	5 U	5 U	5 U
591-75-6	2-Hexanone	ug/L	5 UJ	5 UJ	5 UJ
124-81-1	Dibromochloromethane	ug/L	10 U	10 U	10 U
108-90-7	Chlorobenzene	ug/L	5 UJ	5 UJ	5 UJ
100-41-4	Ethylbenzene	ug/L	5 U	5 U	5 U
100-42-5	Styrene	ug/L	5 U	5 U	5 U
75-25-2	Bromoform	ug/L	5 UJ	5 UJ	5 UJ
79-34-5	1,1,2,2-Tetrachloroethane	ug/L	5 UJ	5 UJ	5 UJ
1330-20-7	Xylenes (Total)	ug/L	5 U	5 U	5 U

Appendix B

Chain of Custody

rpjsckl

Job Sample Receipt Checklist Report

V2

Job Number.: 204351 Location.: 57207 Check List Number.: 1 Description.:
Customer Job ID.: Job Check List Date.:
Project Number.: 20000828 Project Description.: 218 Lakeville Road Associates
Customer.: Walden Associates Contact.: Stephen Byatt

Date of the Report.: 08/05/2003
Project Manager.: pm

Questions ?

(Y/N) Comments

Chain-of-Custody Present?..... Y

...If "yes", completed properly?..... Y

Custody seal on shipping container?..... Y

...If "yes", custody seal intact?..... Y

Custody seals on sample containers?..... N

...If "yes", custody seal intact?.....

Samples iced?..... Y BAGGED ICE

Temperature of cooler acceptable? (4 deg C +/- 2). Y 1.5 C

Samples received intact (good condition)?..... Y

Volatile samples acceptable? (no headspace)..... Y

Correct containers used?..... Y

adequate sample volume provided?..... Y

Samples preserved correctly?..... Y

Samples received within holding-time?..... Y

Agreement between COC and sample labels?..... N IDS NOT ON VOAS - NO MATCH

Radioactivity at or below background levels?..... Y

A Sample Discrepancy Report (SDR) was needed?..... N

Comments..... Y SAMPLES LABELED "SAMPLE 1", "SAMPLE 2" AS PER P. HOBART

If samples were shipped was there an air bill #?.. N COURIER DICK

Sample Custodian Signature/Date..... Y

Alex C. Yaworski 08/05/03

Internal Chain-of-Custody

WALDEN ASSOCIATES
STEPHEN BYATT
218 LAKEVILLE ROAD /

Date Received: 08-04-03

Sample #/s: 01-10

Locations: 35P

Trip Blank: _____

QC: (C) Air: 1

FB: —

Soil: — Water: (21-10)

[illegible]

Appendix C

SDG Narrative

STL Report : 204351
SPIEGEL ASSOCIATES c/o WALDEN ASSOCIATESCase Narrative

Sample Receipt – All samples were received in good condition and at the proper temperature.

None of the sample IDs on the VOA vials was legible. At the client's request, the samples were renamed "Sample 1" through "Sample 10". Note that the sample designations bear no relation to the IDs listed on the COC.

Volatile Organics – Volatile organics were determined by purge and trap GC/MS using guidance provided in Method 5030B/8260B. The instrumentation used was a Tekmar Model 2000/2016 Concentrator interfaced with a Hewlett Packard Model 5970A GC/MS/DS.

The spike compound percent recoveries were within the laboratory-generated guidelines in the independent source quality control samples.

Sample Calculation:

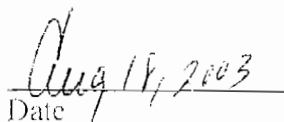
Sample ID-SAMPLE 9
Compound-Tetrachloroethene

$$\frac{(19083)(125)(1)}{(902440)(.373)(5)} = 1.4 = 1 \text{ UG/L.}$$

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative.

I certify that this data package is in compliance with the terms and conditions of this contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature.


Daniel W. Helfrich
Technical Director


Date

CHAIN OF CUSTODY RECORD

STL JOB #:

CLIENT: Spiegel Associates c/o Warton Associates

PROJECT ID: 2103
Lavender Road, Little Falls, NY

STL PROJECT MGR: Q6

RUSH ☐ YES ☒ NO DUE DATE

OX
X

DUE DATE

BOTTLE SET #	CLIENT/SAMPLE ID	DATE/TIME SAMPLED	MATRIX	CAB DO	OC	Y / N	FIELD FILTERED	CIRCLE Y or N	Y / N	Y / N	Y / N	Y / N	SAMPLE REMARKS
	MW-1	6/17/03 1115	A ₁			X							
	MW-2	6/17/03 1300	A ₁			X							
	MW-3	6/18/03 1100	A ₁			X							
	MW-4	6/18/03 1530	A ₁			X							
	MW-5	6/18/03 1645	A ₁			X							
	MW-99 (Dup)	6/17/03 1115	A ₁			X							
	TB-1	6/17/03 NA	TB			X							
	FB-1	6/17/03 1150	FB			X							
	MW - 1 - MS	6/17/03 1115	A ₁			X							
	MW - 1 - MSD	6/17/03 1115	A ₁			X							

MATRIX CODES		BOTTLES PREPARED BY		BOTTLES REC'D BY		REMARKS ON SAMPLE RECEIPT	
		SIGNATURE	DATE/TIME	SIGNATURE	DATE/TIME		
A - AIR	S - SOIL	<i>Norman Bradley</i>	<i>4/15/03</i>	<i>RICHARD L FORD</i>	<i>6/18/03</i>	☐ BOTTLES INTACT	☐ CUSTODY SEALS
AQ - AQUEOUS	SL - SLUDGE					☐ PRESERVED	☐ SEALS INTACT
C - COMPLEX	W - WIPE	<i>Norman Bradley</i>	<i>11/00</i>	<i>Richard L Ford</i>	<i>12/15</i>	☐ CHILLED	☐ SEE REMARKS
D - DRUM WASTE	O - OTHER	<i>Norman Bradley</i>	<i>1/16/03</i>				
OH - OIL	FB - FIELD BLANK						
	TB - TRIP BLANK	<i>Norman Bradley</i>	<i>11/00</i>				

Appendix C, Part 2

Chain of Custody Form, Pulse 2 of Groundwater Sampling

Appendix C, Part 3

Chain of Custody Form, Pulse 3 of Groundwater Sampling

Appendix D

SVE Analytical Operation and Maintenance
June - August 2003



WALDEN ASSOCIATES, INC.

**218 LAKEVILLE ROAD
LAKE SUCCESS, NEW YORK**

O&M CHECKLIST FOR SVE/AIR SPARGE SYSTEM

Date 8/11/03Inspected By: Don Dubkowsky

Control Panel	Arrival	Departure
System	<u>On</u> / Off	<u>On</u> / Off

SVE SYSTEM INSIDE TRAILER

Was Moisture Separator Empuied?	Yes / <u>No</u>
Moisture Disposal Drum	F / 75 / 50 / 25 / <u>E</u>
SVE Relief Valve	Open / <u>Closed</u>

SVE WELL READINGS (INSIDE TRAILER)

SVE WELL #	Flow	PID Readings	Vacuum	Ball Valve
RW-1	/ cfm	/ ppm	/ inches of Water	O / 50 / <u>C</u>
RW-2	/ cfm	/ ppm	/ inches of Water	O / 50 / <u>C</u>
RW-3	65 cfm	4.1 ppm	24 inches of Water	<u>O</u> / 50 / C
RW-4	/ cfm	/ ppm	/ inches of Water	O / 50 / <u>C</u>
RW-10	/ cfm	/ ppm	/ inches of Water	O / 50 / <u>C</u>
B-1	/ cfm	/ ppm	/ inches of Water	O / 50 / <u>C</u>
FD-2	52 cfm	2.3 ppm	26 inches of Water	<u>O</u> / 50 / C
B-3	39 cfm	4.1 ppm	25 inches of Water	<u>O</u> / 50 / C

SVE SYSTEM FLOW

	Pre-Blower	Post Blower	Exhaust	Moisture Separ.
Vacuum				50 inch of Water
Pressure		0 psi		
Flow	140 cfm	182 cfm	234 cfm	

CARBON SYSTEM

	Pre-Carbon	Between Carbon	Post Carbon	Notes
PID	3.2 ppm	0.4 ppm	2.3 ppm	
Temp	82 degrees F	82 degrees F	82 degrees F	

SVE Radius of Influence

Piezometer ID	Vacuum (inches of water)	Piezometer ID	Vacuum (inches of water)	Notes
P-1	-0.02	PZ-1	N/A	N/A - Not
P-2	-0.23	PZ-2	-0.24	Accessible
P-4	-0.21	PZ-3	N/A	
P-5	-0.24	PZ-4	-0.14	
P-6	-0.19	PZ-5	-0.18	
		PZ-6	N/A	



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Mr. Matt Schieferstein
Anson Environmental Ltd.
771 New York Avenue
Huntington, NY 11743

August 21, 2003

DOH ELAP# 11626

Account# 13658

Login# L95856

Dear Mr. Schieferstein:

Enclosed are the analytical results of the samples received by our laboratory August 14, 2003. All test results meet the quality control requirements of AIHA and NELAC unless otherwise stated in this report.

Results in this report are based on the sampling data provided by the client and refer only to items tested. Unless otherwise requested, all samples will be discarded thirty days from the date of this report.

Please contact your client service representative, Client Services at (888) 577-5227, if you would like any additional information regarding this report.

Thank you for using Galson Laboratories.

Sincerely,

Galson Laboratories

F. Joseph Unangst
Laboratory Director

Enclosure(s)



Galson
Laboratories
6601 Kirkville Road
P.O. Box 389
E. Syracuse, NY 13057-0369
Tel: (315) 437-7252 888-577-Labs (5227)
Fax: (315) 437-0571

Request For Industrial Hygiene Analysis

Company Name: Anson Environmental Ltd Account #: 13658
Site Name: Imperial Cleaners
Sampled By: D. Oubkowski Project #: 95065-3

☐ Check if
Change of
Address

Report to: Matt SchiefersteinInvoice to: Same as report.Anson Environmental Ltd771 New York AveHuntington NY 11743Phone: (631) 351-3555

Phone: ()

☐ Purchase order number: _____☒ Verbal Authorization: NO LAB BLANKS☐ Credit Card (type): _____

Card #: _____

Exp Date: _____

☒ Standard Turn-Around Time (5 business days)☐ Same Day (SD)

Next Day (ND)

☐ 12PM☐ 5PM☐ 2 Day☐ 3 Day☐ 4 Day

Surcharges: SD = 200%

ND by 12PM = 150%

ND by 5PM = 100%

2 Day = 75%

3 Day = 50%

4 Day = 35%

☒ Fax Results to: Matt SchiefersteinFax #: (631) 351-3616☒ Email Results to: staff@ansonltd.com

Sample Identification	Date Sampled	Sample Medium Catalog # / Lot #	Air Sample Volume (liters)*	Analysis Requested	Method Reference
✓ I10803	8-11-03	226-01/1000	15 L	*	NIOSH 1007
✓ E10803	↓	↓	↓	*	↓
I20803	↓	↓	1 L	Vinyl Chloride	NIOSH 1003
✓ E20803	↓	↓	↓	↓	↓

If blanks are not submitted, our policy states that a laboratory blank will be added for each analyte and it will be charged at the normal rate. IF YOU DO NOT WANT A LABORATORY BLANK ADDED PLEASE CHECK BOX ☒

*For passive monitors please list time exposed in minutes.

Comments (Please list any known interferences present in sampling area):

* PCE, TCE, 1,1 DCE, 1,2 DCE, 1,1,1 TCA, 1,1,2 TCA

Chain of Custody	Print Name	Signature	Date/Time
Relinquished by:	Matthew F. Schieferstein	<i>Matthew F. Schieferstein</i>	8/14/03 1456
Received by LAB:	A. Graft	<i>A. Graft</i>	08-14-03 11:23 RCV

Samples received after 3pm will be considered as next day's business.



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LABORATORY ANALYSIS REPORT

Client : Anson Environmental Ltd.
Site : Imperial Cleaners
Project No. : 95085-3

Date Sampled : 11-AUG-03
Date Received : 14-AUG-03
Date Analyzed : 20-AUG-03

Account No. : 13658
Login No. : L95856

1,1,2-Trichloroethane

<u>Sample ID</u>	<u>Lab ID</u>	<u>Air Vol</u> <u>liter</u>	<u>Front</u> <u>ug</u>	<u>Back</u> <u>ug</u>	<u>Total</u> <u>ug</u>	<u>Conc</u> <u>mg/m3</u>	<u>ppm</u>
I10803	L95856-1	15	<5	<5	< 5	< 0.3	< 0.06
E10803	L95856-2	15	<5	<5	< 5	< 0.3	< 0.06

COMMENTS: Total ug corrected for a desorption efficiency of 100%.

Level of quantitation: 5 ug
Analytical Method : NIOSH 1003; GC/FID
OSHA PEL (TWA) : 10 ppm
Collection Media : Charcoal

Submitted by: LL
Approved by : LM
Date : 21-AUG-03
QC by: *LM*
NYS DOH # : 11626

< -Less Than	mg -Milligrams	m3 -Cubic Meters	kg -Kilograms
> -Greater Than	ug -Micrograms	l -Liters	NS -Not Specified
NA -Not Applicable	ND -Not Detected	ppm -Parts per Million	



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LABORATORY ANALYSIS REPORT

Client : Anson Environmental Ltd.
Site : Imperial Cleaners
Project No. : 95085-3

Date Sampled : 11-AUG-03
Date Received : 14-AUG-03
Date Analyzed : 20-AUG-03

Account No. : 13658
Login No. : L95856

1,1-Dichloroethene

<u>Sample ID</u>	<u>Lab ID</u>	<u>Air Vol</u> <u>liter</u>	<u>Front</u> <u>ug</u>	<u>Back</u> <u>ug</u>	<u>Total</u> <u>ug</u>	<u>Conc</u> <u>mg/m3</u>	<u>ppm</u>
I10803	L95856-1	15	<5	<5	< 5	< 0.3	< 0.08
E10803	L95856-2	15	<5	<5	< 5	< 0.3	< 0.08

COMMENTS: Total ug corrected for a desorption efficiency of 100%.

Level of quantitation: 5 ug
Analytical Method : NIOSH 1003
OSHA PEL (TWA) : NA
Collection Media : Charcoal

Submitted by: LL
Approved by : LM
Date : 21-AUG-03
QC by:
NYS DOH # : 11626

< -Less Than	mg -Milligrams	m3 -Cubic Meters	kg -Kilograms
> -Greater Than	ug -Micrograms	l -Liters	NS -Not Specified
NA -Not Applicable	ND -Not Detected	ppm -Parts per Million	



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LABORATORY ANALYSIS REPORT

Client : Anson Environmental Ltd.
Site : Imperial Cleaners
Project No. : 95085-3

Date Sampled : 11-AUG-03
Date Received : 14-AUG-03
Date Analyzed : 20-AUG-03

Account No. : 13658
Login No. : L95856

1,2-Dichloroethylene

Sample ID	Lab ID	Air Vol liter	Front ug	Back ug	Total ug	Conc mg/m3	ppm
I10803	L95856-1	15	<5	<5	< 5	< 0.3	< 0.08
E10803	L95856-2	15	<5	<5	< 5	< 0.3	< 0.08

COMMENTS: Total ug corrected for a desorption efficiency of 88%.

Level of quantitation: 5 ug
Analytical Method : NIOSH 1003; GC/FID
OSHA PEL (TWA) : 200 ppm
Collection Media : Charcoal

Submitted by: DK
Approved by : LL
Date : 21-AUG-03
QC by: *AM*
NYS DOH # 11626

< -Less Than	mg -Milligrams	m3 -Cubic Meters	kg -Kilograms
> -Greater Than	ug -Micrograms	l -Liters	NS -Not Specified
NA -Not Applicable	ND -Not Detected	ppm -Parts per Million	



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LABORATORY ANALYSIS REPORT

Client : Anson Environmental Ltd.
Site : Imperial Cleaners
Project No. : 95085-3

Date Sampled : 11-AUG-03
Date Received : 14-AUG-03
Date Analyzed : 20-AUG-03

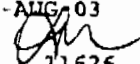
Account No. : 13658
Login No. : L95856

1,1,1-Trichloroethane

<u>Sample ID</u>	<u>Lab ID</u>	<u>Air Vol</u> <u>liter</u>	<u>Front</u> <u>ug</u>	<u>Back</u> <u>ug</u>	<u>Total</u> <u>ug</u>	<u>Conc</u> <u>mg/m3</u>	<u>ppm</u>
I10803	L95856-1	15	<5	<5	< 5	< 0.3	< 0.06
E10803	L95856-2	15	<5	<5	< 5	< 0.3	< 0.06

COMMENTS: Total ug corrected for a desorption efficiency of 100%.

Level of quantitation: 5 ug
Analytical Method : NIOSH 1003; GC/FID
OSHA PEL (TWA) : 350 ppm
Collection Media : Charcoal

Submitted by: LL
Approved by : LM
Date : 21-AUG-03
QC by: 
NYS DOH # : 11626

< -Less Than	mg -Milligrams	m3 -Cubic Meters	kg -Kilograms
> -Greater Than	ug -Micrograms	l -Liters	NS -Not Specified
NA -Not Applicable	ND -Not Detected	ppm -Parts per Million	



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LABORATORY ANALYSIS REPORT

Client : Anson Environmental Ltd.
Site : Imperial Cleaners
Project No. : 95085-3

Date Sampled : 11-AUG-03
Date Received : 14-AUG-03
Date Analyzed : 20-AUG-03

Account No. : 13658
Login No. : L95856

Trichloroethylene

<u>Sample ID</u>	<u>Lab ID</u>	<u>Air Vol</u> <u>liter</u>	<u>Front</u> <u>ug</u>	<u>Back</u> <u>ug</u>	<u>Total</u> <u>ug</u>	<u>Conc</u> <u>mg/m3</u>	<u>ppm</u>
I10803	L95856-1	15	<5	<5	< 5	< 0.3	< 0.06
E10803	L95856-2	15	<5	<5	< 5	< 0.3	< 0.06

COMMENTS: Total ug corrected for a desorption efficiency of 100%.

Level of quantitation: 5 ug
Analytical Method : NIOSH 1022; GC/FID
OSHA PEL (TWA) : 100 ppm
Collection Media : Charcoal

Submitted by: LL
Approved by : LM
Date : 21-AUG-03
QC by:
NYS DOH # 11626

< -Less Than	mg -Milligrams	m3 -Cubic Meters	kg -Kilograms
> -Greater Than	ug -Micrograms	l -Liters	NS -Not Specified
NA -Not Applicable	ND -Not Detected	ppm -Parts per Million	



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LABORATORY ANALYSIS REPORT

Client : Anson Environmental Ltd.
Site : Imperial Cleaners
Project No. : 95085-3

Date Sampled : 11-AUG-03
Date Received : 14-AUG-03
Date Analyzed : 20-AUG-03

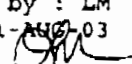
Account No. : 13658
Login No. : L95856

Tetrachloroethylene

<u>Sample ID</u>	<u>Lab ID</u>	<u>Air Vol</u> <u>liter</u>	<u>Front</u> <u>ug</u>	<u>Back</u> <u>ug</u>	<u>Total</u> <u>ug</u>	<u>Conc</u> <u>mg/m3</u>	<u>ppm</u>
I10803	L95856-1	15	71.21	<5	71	4.7	0.7
E10803	L95856-2	15	<5	<5	< 5	< 0.3	< 0.05

COMMENTS: Total ug corrected for a desorption efficiency of 100%.

Level of quantitation: 5 ug
Analytical Method : NIOSH 1003; GC/FID
OSHA PEL (TWA) : 100 ppm
Collection Media : Charcoal

Submitted by: LL
Approved by : LM
Date : 21-AUG-03
QC by: 
NYS DOH # : 11626

< -Less Than	mg -Milligrams	m3 -Cubic Meters	kg -Kilograms
> -Greater Than	ug -Micrograms	l -Liters	NS -Not Specified
NA -Not Applicable	ND -Not Detected	ppm -Parts per Million	



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LABORATORY ANALYSIS REPORT

Client : Anson Environmental Ltd.
Site : Imperial Cleaners
Project No. : 95085-3

Date Sampled : 11-AUG-03
Date Received : 14-AUG-03
Date Analyzed : 20-AUG-03

Account No. : 13658
Login No. : L95856

Vinyl Chloride

<u>Sample ID</u>	<u>Lab ID</u>	<u>Air Vol</u> <u>liter</u>	<u>Front</u> <u>ug</u>	<u>Back</u> <u>ug</u>	<u>Total</u> <u>ug</u>	<u>Conc</u> <u>mg/m3</u>	<u>ppm</u>
I20803	L95856-3	1	<1	<1	< 1	< 1.0	< 0.4
E20803	L95856-4	1	<1	<1	< 1	< 1.0	< 0.4

COMMENTS: Total ug corrected for a desorption efficiency of 100%.

Level of quantitation: 1 ug
Analytical Method : NIOSH 1007; GC/FID
OSHA PEL (TWA) : 1 ppm
Collection Media : Charcoal

Submitted by: LL
Approved by : LM
Date : 21-AUG-03
QC by: *LM*
NYS DOH # 11626

< -Less Than	mg -Milligrams	m3 -Cubic Meters	kg -Kilograms
> -Greater Than	ug -Micrograms	l -Liters	NS -Not Specified
NA -Not Applicable	ND -Not Detected	ppm -Parts per Million	