C.T. MALE ASSOCIATES, P.C.

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January 26, 2007

Mr. Lawrence J. Alden, P.E., Project Manager
NYSDEC Central Office
625 Broadway, 12th Floor
Albany, New York 12233-7013

Re: Vapor Intrusion Monitoring Report
714 Broadway Site, City of Schenectady, NY
ERP No.: E447034; SAC No.: C302650
NYSDEC Spill No.: 04-00440
C.T. Male Project No.: 05.5086

Dear Mr. Alden:

On behalf of the City of Schenectady, this letter report presents the findings of the vapor intrusion monitoring conducted at the 714 Broadway site located in the City of Schenectady, New York. The objective of the monitoring was to determine if there is a potential for vapor intrusion of volatile organic compounds (VOCs) into the building onsite from the residual petroleum contaminated soil remaining onsite.

As discussed in the Tank Closure and Remedial Action Report, 714 Broadway Site dated May 8, 2006, some residual petroleum contaminated soil remains along a small area of the east side wall of the excavation, just opposite the end of former Tank 5, and along the southwest side walls of the excavation (Figure 1). Further excavation to the east was not possible due to the presence of a natural gas line along the eastern property boundary. Further excavation to the south and west was not possible due to the presence of underground electric, the side walk (offsite) and the close proximity of Weaver Street (offsite).

The vapor intrusion monitoring consisted of the collection and laboratory analysis of three sub-slab vapor samples as discussed within this letter report. The monitoring was conducted in general accordance with the NYSDEC approved Soil Vapor Intrusion Work Plan dated November 16, 2006.

VAPOR MONITORING LOCATIONS AND SAMPLING PROCEDURES

Based on the conditions present on site as discussed above, three sub-slab vapor samples were collected on December 12, 2006 as part of the vapor intrusion monitoring. One sub-slab vapor sample (SV-1) was collected beneath the offsite concrete sidewalk slab (approximately 5 inches thick) along the western edge of the

site where residual petroleum contaminated soil remains. Two sub-slab vapor samples were collected below the concrete floor slab (approximately 6 inches thick) in the southern portion of the onsite building, one sample in the eastern garage bay area (room with trench/work pit, SV-2) and the other in the office area (SV-3). The sub-slab vapor sampling locations are shown in Figure 1, Sub-Slab Vapor Sampling Locations Map.

Installation of the sample collection device in the concrete floor slab areas and concrete sidewalk area consisted of drilling a small hole (approximately 0.5 inch diameter) in the concrete and inserting polyethylene tubing to less than two inches below the slab. Course silica quartz sand was added to cover the tubing to 0.5 inches below the concrete surface. The tubing was then sealed in place with melted beeswax, and additionally with hydrated bentonite. Polyethylene sheeting was sealed around each sub-slab hole, and an enclosure was sealed on top of the sheeting. The tubing, which extended from the ground, ran through the enclosure and out the top of it.

Sample collection consisted of purging at least three volumes of the amount of vapor in the tubing using a personal sampling pump calibrated to a flow rate of 0.2 liters per minute, and releasing it into the atmosphere. Helium, an inert tracer gas, was added to the enclosure prior to purging the sample point, and a sample of the air was taken from the tubing and analyzed by a helium detector to confirm the integrity of the seal around the tubing in the ground. Helium was not detected at significant levels in the sample tubing (0.0125% to 0.15%) indicating a good seal. After set-up was complete at all sampling locations, the tubing was connected to the regulator attached to a laboratory certified clean 6 liter (L) Summa canister, and sample collection began. A copy of the documentation provided by the laboratory, certifying the containers as being clean is included in Appendix A. The vapor samples were collected at a flow rate of 0.05 L/minute for a period of two hours. Each Summa canister regulator was calibrated to a flow rate of 0.05 L/minute by the analytical laboratory. The integrity of the tubing seal was checked at completion of sampling in the same manner as it was prior to sample collection. Helium was detected at similar concentrations to the pre-sampling levels at each sample point (0.0075% to 0.14%) indicating the seal remained intact during the sampling. At completion of the vapor sampling, the tubing was removed and the holes were filled in with hydrated Quik-Crete cement.

Custody seals were placed on each canister over where the regulators were removed and on the shipping container; a chain of custody was completed; and the samples were shipped via Federal Express to Chemtech of Mountainside, New Jersey for laboratory analysis.

LABORATORY ANALYSES AND EVALUATION OF RESULTS

The sub-slab vapor samples were analyzed for the target list of VOCs by EPA Method TO-15. Laboratory analyses were performed by Chemtech of Mountainside, New Jersey, a NYSDOH ELAP (Environmental Laboratory Approval Program) certified laboratory (ELAP No. 11376). The results for the sub-slab vapor samples, along with the criteria presented in the NYSDOH Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH SVI Guidance) dated October 2006 are summarized in Table 1. A copy of the laboratory's Data Deliverable Package (laboratory analysis report and chain of custody record) is enclosed in Appendix B.

Several VOCs were detected in the sub-slab vapor sample collected outside underneath the sidewalk and in both of the sub-slab vapor samples collected below the building floor slab (Table 1). According to the NYSDOH SVI Guidance, New York State does not currently have any standards, criteria or guidance values for concentrations of compounds in soil vapor or sub-slab vapor. In accordance with Section 3.3.1 of the NYSDOH SVI Guidance, soil vapor results might be compared to background outdoor air levels, site related outdoor air sampling results or the NYSDOH air guideline values. In accordance with Section 3.3.2 of NYSDOH SVI Guidance, when evaluating sub-slab vapor results the background concentrations of VOCs in indoor air, human health risks, the NYSDOH air guideline values and the NYSDOH decision matrices are used to compare the data to. The background outdoor and indoor air levels were derived from the NYSDOH 2003 study of fuel oil heated homes and EPA 2001 study of public and commercial office buildings detailed in Section 3.2.4 of the NYSDOH SVI Guidance. The NYSDOH SVI Guidance also indicates that the Upper Fence values (Table 1) of the NYSDOH 2003 study and the 90th percentile values (Table 1) of the EPA 2001 study may be used as initial benchmarks when evaluating the results. Therefore, the outdoor sub-slab vapor sample results (SV-1) were compared to the background outdoor air values, and the indoor sub-slab vapor sample results (SV-2 and SV-3) were compared to the background indoor air values reported in these studies. Since the end use of the onsite building is not known at this time, the results were compared to both the residential and offices criteria. The laboratory analyses results were also compared to the NYSDOH air guideline values reported in Section 3.2.5 of the NYSDOH SVI Guidance.

In the outdoor sub-slab vapor sample SV-1, acetone, benzene, ethylbenzene, hexane, toluene and m&p xylenes were detected above, although generally within the same order of magnitude as, the background outdoor air Upper Fence values of the NYSDOH 2003 study and the 90th percentile values of the EPA 2001 study. However, these compounds were detected at a level below the maximum reported values in both

of the studies. Cyclohexane, methylene chloride, tetrachloroethene, tetrahydrofuran, 2,2,4-trimethylpentane, styrene and o-xylenes were detected above, although generally within the same order of magnitude as, the background outdoor air Upper Fence values of the NYSDOH 2003 study, but were below their maximum reported values for that study. These compounds were either below the 90th percentile values, or were not evaluated for in the EPA 2001 study. Ethyl acetate was detected above the background outdoor air 90th percentile value of the EPA 2001 study, and was above the maximum reported value. The remainder of the VOC detections were within background outdoor air levels, or beneath the values for the Upper Fence of the NYSDOH 2003 and the 90th percentile of the EPA 2001 study.

In the indoor sub-slab vapor samples SV-2 and SV-3, the majority of the VOCs detected fell within background indoor air levels, or beneath the Upper Fence values of the NYSDOH 2003 study and the 90th percentile values of the EPA 2001 study. Benzene and toluene were detected in sample SV-2 slightly above the background indoor air 90th percentile value of the EPA 2001 study, but below the maximum reported value. Tetrahydrofuran and m&p xylenes were detected in sample SV-2 slightly above the background indoor air Upper Fence value of the NYSDOH 2003 study, but below the maximum reported value. Ethyl acetate was detected in samples SV-2 and SV-3 above the background indoor air 90th percentile value of the EPA 2001 study, and above the maximum reported value.

The three sub-slab vapor sample results for methylene chloride and tetrachloroethene were more than an order of magnitude lower than the NYSDOH air guideline values for these compounds of 60 mcg/cubic meter and 100 mcg/ cubic meter, respectively.

DATA VALIDATOR'S COMMENTS

The data deliverable package for the sub-slab vapor samples was subject to data validation in accordance with NYSDEC's Data Usability Summary Report (DUSR) guidelines to determine if the data was valid and useable. The data validation was performed by C.T. Male Associates, P.C.'s in-house data validator. A DUSR, dated January 9, 2007, was prepared based on review of Chemtech SDG No. X5778 for the sub-slab vapor samples submitted for VOC analysis by EPA Method TO-15. According to the DUSR, all the samples were received by the laboratory with custody seals intact and were analyzed within the proper holding times, and there were no data deficiencies that would require re-sampling. The detections for dichlorodifluoromethane and styrene were qualified as estimated due to the percent recovery of the laboratory control sample not being within laboratory specifications for these compounds. A copy of the DUSR is included in Appendix C.

SUMMARY AND CONCLUSIONS

C.T. Male Associates, P.C. has completed the vapor intrusion monitoring at 714 Broadway in the City of Schenectady, New York. Several VOCs were detected in the sub-slab vapor samples collected in both the outdoor and indoor locations. However, in general the concentrations were either below or within the same order of magnitude as the background outdoor and indoor air levels and below the maximum reported value presented in the NYSDOH 2003 study of fuel oil heated homes and the EPA 2001 study of public and commercial office buildings. Ethyl acetate was the only VOC detected in the sub-slab samples collected above the maximum background level reported in the referenced studies.

If you have any questions, please do not hesitate to contact me at 518-786-7492.

Respectfully submitted,
C.T. MALE ASSOCIATES, P.C.

Elizabeth W. Rovers

Elizabeth W. Rovers, P.E.
Managing Engineer

Enclosure

c: Mr. Bernard Sisson, P.E., City of Schenectady

TABLE 1

SUMMARY OF DETECTED VOCS ANALYTICAL RESULTS AND NYSDOH CRITERIA

TABLE 1
SUMMARY OF DETECTED VOLATILE ORGANIC COMPOUNDS (VOCs) ANALYTICAL RESULTS AND NYSDOH CRITERIA
SOIL VAPOR INTRUSION MONITORING
714 BROADWAY, CITY OF SCHENECTADY, NEW YORK

Parameter	NYSDOH Air Guideline Values[1]	Outdoor						Indoor						Sub-Slab Vapor Samples - Outside Under Sidewalk	Sub-Slab Vapor Samples - Inside Building	
		NYSDOH 2003 Study[2] Homes in NYS 1997-2003			EPA 2001 BASE Data[5] Offices 1994-1998			NYSDOH 2003 Study[2] Homes in NYS 1997-2003			EPA 2001 BASE Data[5] Offices 1994-1998			SV-1	SV-2	SV-3
		Min - Max Range	Background Range[3]	Upper Fence[4]	Min - Max Range	Background Range[3]	90th Percentile	Min - Max Range	Background Range[3]	Upper Fence[4]	Min - Max Range	Background Range[3]	90th Percentile			
Acetone	NA	<0.25 - 200	3.4 - 14	30	<1.8 - 104.2	15.4 - 31.7	43.7	<0.25 - 690	9.9 - 52	115	11.6 - 243.7	32.4 - 59.8	98.9	**44.1**	**63.6 E (51)**	**31.5**
Benzene	NA	<0.25 - 17	0.6 - 2.2	4.8	<1.2 - 13.0	1.2 - 3.7	6.6	<0.25 - 460	1.1 - 5.9	13	<0.8 - 63.0	2.1 - 5.1	9.4	**9.06**	**11.5**	**6.92**
Carbon Disulfide	NA	NA	NA	NA	<0.6 - 22.0	<0.8 - 2.2	3.7	NA	NA	NA	<0.5 - 24.5	<0.8 - 2.1	4.2	**0.81**	**0.99**	<0.07
Chloromethane	NA	<0.25 - 13	<0.25 - 1.8	4.3	0.9 - 10.6	2.0 - 3.0	3.7	<0.25 - 260	<0.25 - 1.8	4.2	<0.7 - 21.8	2.1 - 3.1	3.7	**0.29**	**0.2 J**	**0.51**
Cyclohexane	NA	<0.25 - 170	<0.25 - 0.4	0.9	NA	NA	NA	<0.25 - 510	<0.25 - 2.6	6.3	NA	NA	NA	**2.45**	**3.22**	**1.88**
Dichlorodifluoromethane	NA	<0.25 - 38	<0.25 - 4.2	10	<4.4 - 183.7	3.8 - 5.8	8.1	<0.25 - 300	<0.25 - 4.1	10	<4.8 - 942.3	4.8 - 10.5	16.5	**1.68 (J)**	**1.83 (J)**	**1.78 (J)**
Ethyl Acetate	NA	NA	NA	NA	<0.6 - 3.9	<0.8 - <1.2	1.5	NA	NA	NA	<0.6 - 64.2	<1.0 - 3.2	5.4	**22.9**	**71.4**	**222 E (210)**
Ethylbenzene	NA	<0.25 - 21	<0.25 - 0.5	1.0	<0.8 - 7.8	<1.4 - 1.6	3.5	<0.25 - 340	0.4 - 2.8	6.4	<0.9 - 73.6	<1.6 - 3.4	5.7	**3.69**	**3.69**	<0.15
4-Ethyltoluene	NA	NA	NA	NA	<1.0 - 8.0	<1.4 - <2.0	3.0	NA	NA	NA	<0.9 - 16.4	<1.5 - <3.1	3.6	**1.62**	**1.37**	<0.18
n-Heptane	NA	<0.25 - 89	<0.25 - 1.9	4.5	NA	NA	NA	<0.25 - 670	1 - 7.6	18	NA	NA	NA	**3.35**	**3.89**	**1.27**
n-Hexane	NA	<0.25 - 67	<0.25 - 1	2.2	<0.8 - 15.3	<1.2 - 2.7	6.4	<0.25 - 950	0.6 - 5.9	14	<0.9 - 130.0	1.6 - 6.4	10.2	**7.21**	**8.62**	**5.94**
Isopropyl Alcohol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3.8**	**5.52**	**5.77**
Methyl Ethyl Ketone (MEK) (2-Butanone)	NA	<0.25 - 210	0.8 - 2.6	5.3	<1.2 - 43.1	2.2 - 5.7	11.3	<0.25 - 180	1.4 - 7.3	16	<1.4 - 55.4	3.3 - 7.5	12	**2.09**	**3.27**	<0.21
Methylene Chloride	60	<0.25 - 23	<0.25 - 0.7	1.6	<1.0 - 78.5	<1.8 - 3.0	6.1	<0.25 - 2100	0.3 - 6.6	16	<1.1 - 1496.9	<1.7 - 5.0	10.0	**3.27**	**3.55**	**5.67**
Propene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2.3**	**6.89**	<0.08
Styrene	NA	<0.25 - 3.6	<0.25	0.5	<0.6 - 58.0	<1.4 - <2.0	1.3	<0.25 - 50	<0.25 - 0.6	1.4	<0.6 - 40.0	<1.6 - <2.3	1.9	**1.23 (J)**	**0.85 (J)**	<0.17
Tetrachloroethene	100	<0.25 - 20	<0.25 - 0.3	0.7	<0.8 - 27.6	<1.4 - 3.0	6.5	<0.25 - 51	<0.25 - 1.1	2.5	<0.9 - 65.7	<1.9 - 5.9	15.9	**1.29**	<0.27	<0.27
Tetrahydrofuran	NA	<0.25 - 8.5	<0.25	0.4	NA	NA	NA	<0.25 - 180	<0.25 - 0.4	0.8	NA	NA	NA	**2.44**	**1.3**	**0.59 J**
Toluene	NA	<0.25 - 640	0.6 - 2.4	5.1	2.1 - 93.1	5.9 - 16.3	33.7	<0.25 - 510	3.5 - 25	57	3.5 - 390.3	10.7 - 25.9	43.0	**39.6**	**51.6**	**15.6**
Trichlorofluoromethane	NA	<0.25 - 20	<0.25 - 2.2	5.1	<2.0 - 132.5	<2.8 - 2.8	4.3	<0.25 - 190	1.1 - 5.4	12	<1.7 - 1015.3	<3.7 - 6.7	18.1	**1.01**	**1.06**	**1.12**
1,2,4-Trimethylbenzene	NA	<0.25 - 50	<0.25 - 0.8	1.9	<0.4 - 24.2	<1.6 - 3.1	5.8	<0.25 - 260	0.7 - 4.3	9.8	<0.4 - 91.0	1.7 - 5.1	9.5	**1.87**	**0.74**	<0.24
1,3,5-Trimethylbenzene	NA	<0.25 - 2.5	<0.25 - 0.3	0.7	<0.8 - 8.9	<1.2 - <2.4	2.7	<0.25 - 97	0.3 - 1.7	3.9	<0.8 - 16.6	<1.3 - <4.6	3.7	**0.79**	<0.27	<0.27
2,2,4-Trimethylpentane (Iso-Octane)	NA	<0.25 - 11	<0.25 - 0.3	0.7	NA	NA	NA	<0.25 - 870	<0.25 - 2.1	5	NA	NA	NA	**1.54**	**2.14**	**0.98**
m,p-Xylenes	NA	<0.25 - 20	<0.25 - 0.5	1.0	<1.4 - 26.8	<3.6 - 7.3	12.8	<0.25 - 550	0.5 - 4.6	11	<1.5 - 260.8	4.1 - 12.2	22.2	**15.9**	**13.7**	<0.36
o-Xylene	NA	<0.25 - 10	<0.25 - 0.7	1.2 - 1.5	<0.6 - 11.1	<1.4 - 2.6	4.6	<0.25 - 310	0.4 - 3.1	7.1	<0.7 - 90.5	<2.4 - 4.4	7.9	**4.03**	**3.21**	<0.22

Notes:

All values reported in ug/m^3.
Bold results indicate a detected analyte.
< = Less than the associated laboratory reporting limit.
NA = Not Available.
J indicates an estimated value.
E indicates that the results exceeded the laboratory calibration range. The sample was diluted and reanalyzed by the laboratory. The data validator determined that the reanalysis results were the most accurate, which is given in parentheses.
The qualifier in parentheses is the data validator's qualifier (J = estimated value).

[1] Air guideline values derived by the NYSDOH, obtained from the Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York - OCTOBER 2006 (NYSDOH Soil Vapor Intrusion Guidance).

[2] Summary of Indoor and Outdoor Levels of Volatile Organic Chemicals in Air of Fuel Oil Heated Homes in NYS, 1997 to 2003. Unpublished. New York State Department of Health, Bureau of Toxic Substance Assessment.

[3] The range provided in the table represents the 25th percentile and 75th percentile, (middle half), of the results from the referenced databases and are labeled as background per the NYSDOH Soil Vapor Intrusion Guidance.

[4] Upper Fence is calculated as 1.5 times the interquartile range (difference between the 25th and 75th percentile values) above the 75th percentile value per the NYSDOH Soil Vapor Intrusion Guidance.

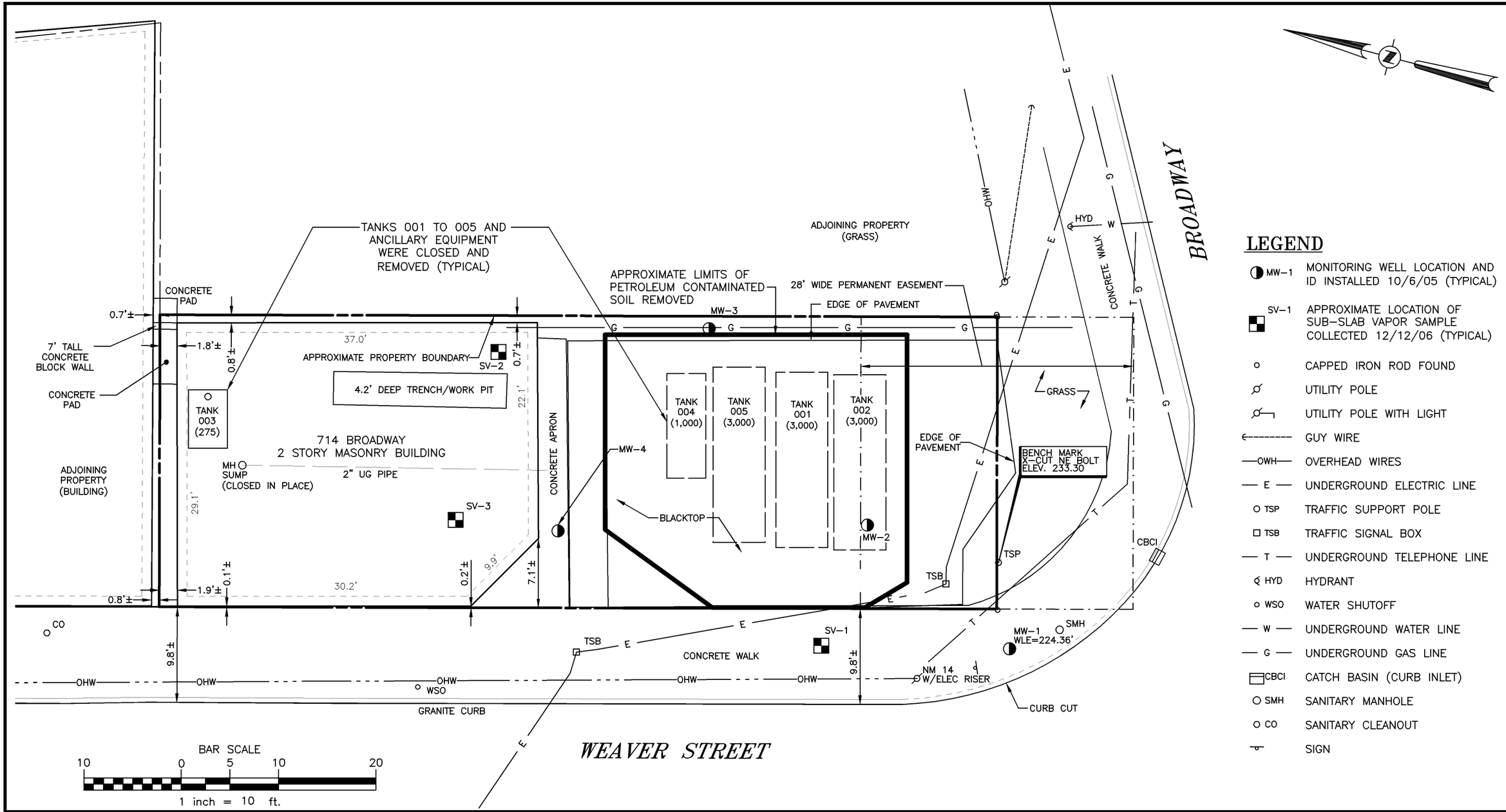
[5] Building Assessment and Survey Evaluation (BASE '94-'98). Unpublished. Indoor Environments Division, United States Environmental Protection Agency, Washington, DC.

FIGURE

FIGURE 1 – SUB-SLAB VAPOR SAMPLING LOCATIONS MAP

NONE

PROJECT NUMBER: 05.5086



LEGEND

MW-1	MONITORING WELL LOCATION AND ID INSTALLED 10/6/05 (TYPICAL)
SV-1	APPROXIMATE LOCATION OF SUB-SLAB VAPOR SAMPLE COLLECTED 12/12/06 (TYPICAL)
o	CAPPED IRON ROD FOUND
	UTILITY POLE
	UTILITY POLE WITH LIGHT
←--------	GUY WIRE
—OWH—	OVERHEAD WIRES
— E —	UNDERGROUND ELECTRIC LINE
O TSP	TRAFFIC SUPPORT POLE
□ TSB	TRAFFIC SIGNAL BOX
— T —	UNDERGROUND TELEPHONE LINE
HYD	HYDRANT
WSO	WATER SHUTOFF
— W —	UNDERGROUND WATER LINE
— G —	UNDERGROUND GAS LINE
CBCI	CATCH BASIN (CURB INLET)
SMH	SANITARY MANHOLE
CO	SANITARY CLEANOUT
	SIGN

NOTE:
1. THE LOCATIONS AND FEATURES DEPICTED ON THIS MAP ARE APPROXIMATE AND DO NOT REPRESENT AN ACTUAL FIELD SURVEY.

2. HOWEVER, THE MH SUMP, TRENCH/WORK PIT, EDGE OF PAVEMENT AND MONITORING WELLS WERE SURVEYED BY C.T. MALE ASSOCIATES, P.C. ON OCTOBER 31, 2005.

MAP REFERENCE:
1. BOUNDARY SURVEY, 714 BROADWAY, PREPARED BY C.T. MALE ASSOCIATES, P.C., DATED APRIL 22, 2005, DWG. NO. 05-332.

DATE		REVISIONS RECORD/DESCRIPTION	DRAFTED	CHECK	APPR.
	1				
	2				
	3				
	4				
	5				
	6				
	7				
	8				
	9				

DESIGNED :
DRAFTED : J. MARX
CHECKED : L. ROVERS
PROJ. NO : 05.5086
SCALE : 1"=10'
DATE : JAN. 22, 2007

SUB-SLAB VAPOR SAMPLING LOCATIONS MAP

TANK CLOSURES AND SOIL REMEDIATION
714 BROADWAY SITE

CITY OF SCHENECTADY — SCHENECTADY COUNTY, NY

C.T. MALE ASSOCIATES, P.C.
50 CENTURY HILL DRIVE, P.O. BOX 727, LATHAM, NY 12110
518.786.7400 * FAX 518.786.7299
ARCHITECTURE & BUILDING SYSTEMS ENGINEERING * CIVIL ENGINEERING
ENVIRONMENTAL SERVICES * SURVEY & LAND INFORMATION SERVICES

FIGURE 1
SHEET 1 OF 1
DWG. NO: 07-0118

CAD DWG. FILE NAME: VAP SAM LOC MAP.DWG

APPENDIX A

DOCCUMENTATION FOR CERTIFIED CLEAN SUMMA CANISTERS

LOGIN REPORT

Order ID:	X5778 CTMA01	**Order Date:**	12/8/2006	**Project Mgr:**	
Client Name:	C.T. Male & Associates	**Project Name:**	714 Broadway, city of Schenect	**Report Type:**	
Client Contact:	Liz Rovers	**Rec DateTime**	12/8/2006 10:26:31 AM	**EDD:**	
Invoice Name:	C.T. Male & Associates	**Purchase Order:**		**Hard Copy Date:**	
Invoice Contact	Liz Rovers	**Login Tech:**	kurt	**Date Signoff:**	

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	QTY	TEST	TEST GROUP	METHOD	COMMENT	FAX DATE	Due Dates
							CANISTER #		Flow CONTROLLER #		
X5778-01	(6.0L)Summa Canist	Air	12/8/2006		1	TO-15	TO-15	TO-15	10 Bu	Dec 22 2006 10:26AM	Dec 22 2006 10:26AM
							10009		1061K		
X5778-02	(6.0L)Summa Canist	Air	12/8/2006		1	TO-15	TO-15	TO-15	10 Bu	Dec 22 2006 10:26AM	Dec 22 2006 10:26AM
							10032		10635		
X5778-03	(6.0L)Summa Canist	Air	12/8/2006		1	TO-15	TO-15	TO-15	10 Bu	Dec 22 2006 10:26AM	Dec 22 2006 10:26AM
							10018		10644		
X5778-04	3-Regulators(0.05L/	Air	12/8/2006		1	TO-15	TO-15	TO-15	10 Bu	Dec 22 2006 10:26AM	Dec 22 2006 10:26AM

T. Butler

12/08/08

Canister cleaning /24 hour vacuum check log

CHEMTECH
284 Sheffield Street, Mountainside NJ 07092 (908) 789-8900 www.chemtech.net

Canister Batch #: 120406 Batch QC Analysis Date: 12/07/06

Cleaning Date: 12/04/06 Batch Passed QC: X Yes or No

QC Canister #: 10157 File: VL120711.d

SOP ID: M P-241 REV: 02

1 of 1

Canister Number	Last Lab Sample Number	Vacuum after cleaning	Date/time	Vacuum after 24hr	Date/time	New sample number	Analyst initials
10009	X4949-01	-30.0	12/05/06 11:30	-30.0	12/06/06 0:00	X5728-01	TB
10032	X4949-02					X5728-02	TB
10157	X4949-03					QC CAN	
10018	X4949-04					X5728-03	TB
10401	X5115-01						
10030	X4871-02						
10607	X5085-02						
10490	X5085-03						

size 6L

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**CHEMTECH**	**Date Collected:**	
Project:	**BATCH CANISTER BLANK**	**Date Received:**	
Client Sample ID:	**QC BATCH 120406 6L**	**SDG No.:**	**120406**
Lab Sample ID:	**VBL1207A1**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL120711.D	1	12/7/2006	TO-15 CAN BLANKS

CAS Number	Parameter	Conc. ppbv	Qualifier	RL ppbv	MDL ppbv
TARGETS					
75-71-8	Dichlorodifluoromethane	0.2	U	0.2	0.031
74-87-3	Chloromethane	0.2	U	0.2	0.031
75-01-4	Vinyl Chloride	0.2	U	0.2	0.031
74-83-9	Bromomethane	0.2	U	0.2	0.022
75-00-3	Chloroethane	0.2	U	0.2	0.024
75-69-4	Trichlorofluoromethane	0.2	U	0.2	0.041
67-63-0	Isopropyl Alcohol	0.2	U	0.2	0.140
76-14-2	Dichlorotetrafluoethane	0.2	U	0.2	0.028
76-13-1	1,1,2-Trichlorotrifluoroethane	0.2	U	0.2	0.024
593-60-2	Bromoethene	0.2	U	0.2	0.042
115-07-1	Propene	0.2	U	0.2	0.047
142-82-5	Heptane	0.2	U	0.2	0.028
75-35-4	1,1-Dichloroethene	0.2	U	0.2	0.034
141-78-6	Ethyl Acetate	0.2	U	0.2	0.022
67-64-1	Acetone	0.2	U	0.2	0.130
75-15-0	Carbon disulfide	0.2	U	0.2	0.022
1634-04-4	Methyl tert-butyl Ether	0.2	U	0.2	0.043
75-09-2	Methylene Chloride	0.2	U	0.2	0.047
107-05-1	Allyl Chloride	0.2	U	0.2	0.025
156-60-5	trans-1,2-Dichloroethene	0.2	U	0.2	0.038
108-05-4	Vinyl Acetate	0.2	U	0.2	0.025
75-34-3	1,1-Dichloroethane	0.2	U	0.2	0.030
110-82-7	Cyclohexane	0.2	U	0.2	0.070
78-93-3	2-Butanone	0.2	U	0.2	0.070
56-23-5	Carbon Tetrachloride	0.2	U	0.2	0.061
156-59-2	cis-1,2-Dichloroethene	0.2	U	0.2	0.043
67-66-3	Chloroform	0.2	U	0.2	0.022
123-91-1	1,4-Dioxane	0.2	U	0.2	0.054
71-55-6	1,1,1-Trichloroethane	0.2	U	0.2	0.028
109-99-9	Tetrahydrofuran	0.2	U	0.2	0.060
540-84-1	2,2,4-Trimethylpentane	0.2	U	0.2	0.026

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone:908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**CHEMTECH**	**Date Collected:**	
Project:	**BATCH CANISTER BLANK**	**Date Received:**	
Client Sample ID:	**QC BATCH 120406 6L**	**SDG No.:**	**120406**
Lab Sample ID:	**VBL1207A1**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL120711.D	1	12/7/2006	TO-15 CAN BLANKS

CAS Number	Parameter	Conc. ppbv	Qualifier	RL ppbv	MDL ppbv
71-43-2	Benzene	0.2	U	0.2	0.031
107-06-2	1,2-Dichloroethane	0.2	U	0.2	0.065
79-01-6	Trichloroethene	0.2	U	0.2	0.040
78-87-5	1,2-Dichloropropane	0.2	U	0.2	0.054
75-27-4	Bromodichloromethane	0.2	U	0.2	0.035
108-10-1	4-Methyl-2-Pentanone	0.2	U	0.2	0.060
108-88-3	Toluene	0.2	U	0.2	0.054
10061-02-6	t-1,3-Dichloropropene	0.2	U	0.2	0.047
10061-01-5	cis-1,3-Dichloropropene	0.2	U	0.2	0.024
79-00-5	1,1,2-Trichloroethane	0.2	U	0.2	0.043
591-78-6	2-Hexanone	0.2	U	0.2	0.040
124-48-1	Dibromochloromethane	0.2	U	0.2	0.041
106-93-4	1,2-Dibromoethane	0.2	U	0.2	0.041
127-18-4	Tetrachloroethene	0.2	U	0.2	0.040
108-90-7	Chlorobenzene	0.2	U	0.2	0.047
100-41-4	Ethyl Benzene	0.2	U	0.2	0.034
126777-61-2	m/p-Xylene	0.2	U	0.2	0.084
95-47-6	o-Xylene	0.2	U	0.2	0.050
100-42-5	Styrene	0.2	U	0.2	0.040
75-25-2	Bromoform	0.2	U	0.2	0.035
79-34-5	1,1,2,2-Tetrachloroethane	0.2	U	0.2	0.047
108-67-8	1,3,5-Trimethylbenzene	0.2	U	0.2	0.054
95-63-6	1,2,4-Trimethylbenzene	0.2	U	0.2	0.048
622-96-8	4-Ethyltoluene	0.2	U	0.2	0.036
541-73-1	1,3-Dichlorobenzene	0.2	U	0.2	0.065
106-46-7	1,4-Dichlorobenzene	0.2	U	0.2	0.054
95-50-1	1,2-Dichlorobenzene	0.2	U	0.2	0.049
120-82-1	1,2,4-Trichlorobenzene	0.2	U	0.2	0.051
87-68-3	Hexachloro-1,3-butadiene	0.2	U	0.2	0.066
106-99-0	1,3-Butadiene	0.2	U	0.2	0.069
110-54-3	Hexane	0.2	U	0.2	0.024
100-44-7	Benzyl Chloride	0.2	U	0.2	0.035

U = Not Detected
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MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**CHEMTECH**	**Date Collected:**	
Project:	**BATCH CANISTER BLANK**	**Date Received:**	
Client Sample ID:	**QC BATCH 120406 6L**	**SDG No.:**	**120406**
Lab Sample ID:	**VBL1207A1**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL120711.D	1	12/7/2006	TO-15 CAN BLANKS

CAS Number	Parameter	Conc. ppbv	Qualifier	RL ppbv	MDL ppbv
SURROGATES					
460-00-4	1-Bromo-4-Fluorobenzene	2.38	95 %	65 - 135	
INTERNAL STANDARDS					
74-97-5	Bromochloromethane	169038	7.01		
540-36-3	1,4-Difluorobenzene	354259	8.62		
3114-55-4	Chlorobenzene-d5	319844	13.69		

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

Quantitation Report (QT Reviewed)

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL120706\
Data File : VL120711.D
Acq On : 7 Dec 2006 15:12
Operator : LJC
Sample : VBL1207A1
Misc : Blank Can 10157, QC Batch 120406, 400ml
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 07 16:48:19 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL120706AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Dec 07 15:27:28 2006
QLast Update : Thu Dec 07 15:27:28 2006
Response via : Initial Calibration

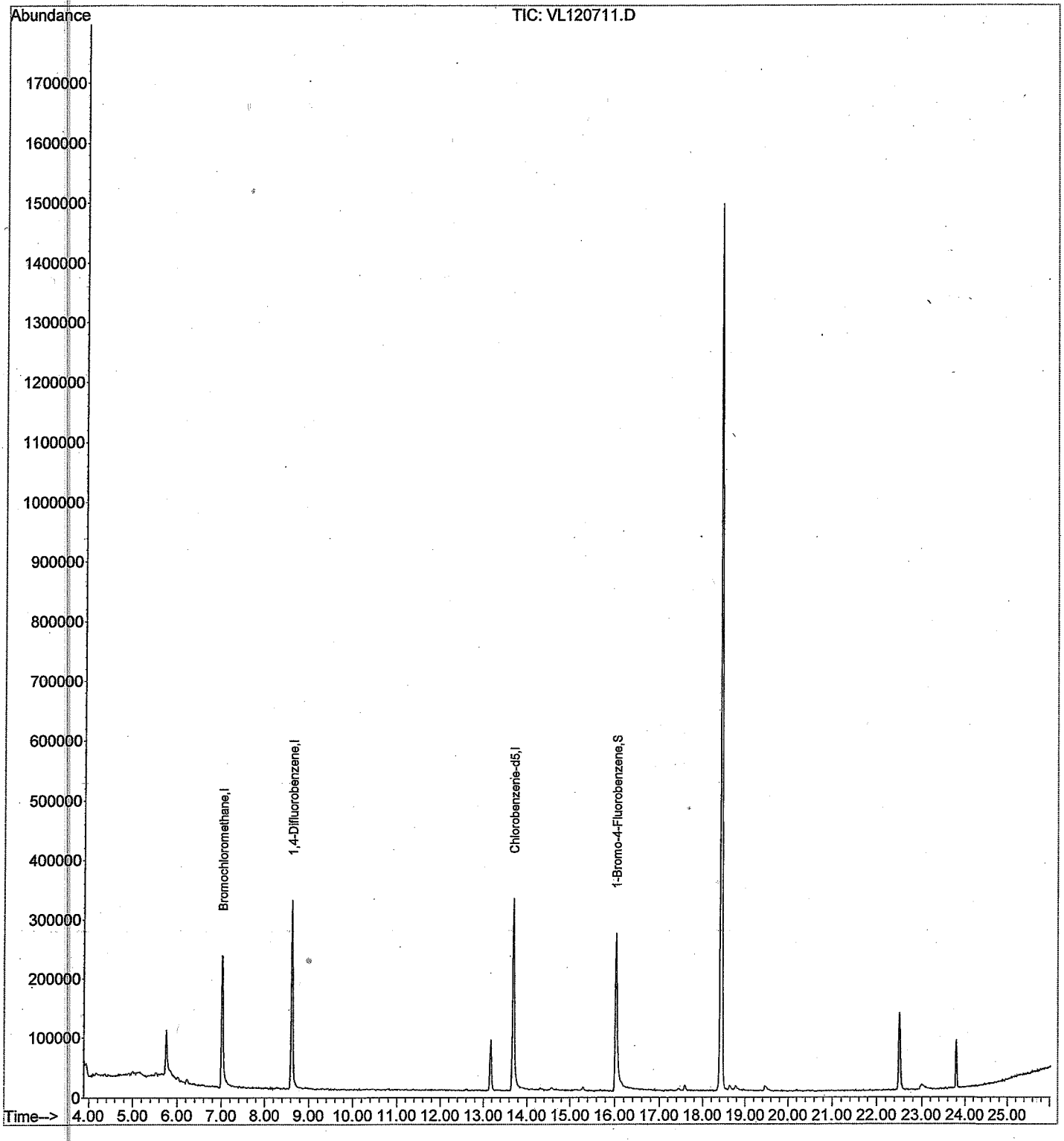
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.01	49	169038	2.50	ppbv	0.00
30) 1,4-Difluorobenzene	8.62	114	354259	2.50	ppbv	0.00
51) Chlorobenzene-d5	13.69	117	319844	2.50	ppbv	0.00
System Monitoring Compounds						
59) 1-Bromo-4-Fluorobenzene	16.02	95	211551	2.38	ppbv	0.00
Spiked Amount 2.500	Range 70 - 130		Recovery = 95.20%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL120706\
Data File : VL120711.D
Acq On : 7 Dec 2006 15:12
Operator : LJC
Sample : VBL1207A1
Misc : Blank Can 10157, QC Batch 120406, 400ml
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 07 16:48:19 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL120706AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Dec 07 15:27:28 2006
QLast Update : Thu Dec 07 15:27:28 2006
Response via : Initial Calibration

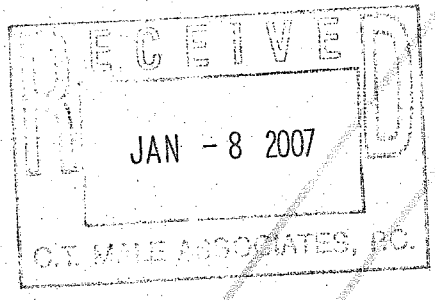


APPENDIX B

LABORATORY DATA DELIVERABLE PACKAGE

CHEMTECH 284 Sheffield Street • Mountainside, NJ 07092 Phone: 908.789.8900 Fax: 908.789.8922

ANALYTICAL RESULTS SUMMARY



PROJECT NAME: soil Gas- 714 Broadway

C.T. MALE & ASSOCIATES
50 CENTURY HILL DRIVE
PO BOX 727
LATHAM, NY 12110
5187867400

CHEMTECH PROJECT NO. **X5778**
ATTENTION: **Liz Rovers**

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL SUMMARY

Customer Sample Code	Laboratory Sample	Analytical Requirements					
		Method #	GC/MS	#	Method #	*Metals	Herb
SV-1	X5778-01	TO-15	N/A	N/A	N/A	N/A	N/A
SV-2	X5778-02	TO-15	N/A	N/A	N/A	N/A	N/A
SV-3	X5778-03	TO-15	N/A	N/A	N/A	N/A	N/A

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA)
ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
X5778-01	AIR	12/12/2006	12/13/2006	N/A	12/19/2006
X5778-02	AIR	12/12/2006	12/13/2006	N/A	12/19/2006
X5778-02DL	AIR	12/12/2006	12/13/2006	N/A	12/19/2006
X5778-03	AIR	12/12/2006	12/13/2006	N/A	12/19/2006
X5778-03DL	AIR	12/12/2006	12/13/2006	N/A	12/19/2006

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-1**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-01**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121821.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
TARGETS					
75-71-8	Dichlorodifluoromethane	1.68		0.49	0.15
74-87-3	Chloromethane	0.29		0.2	0.06
75-01-4	Vinyl Chloride	0.26	U	0.26	0.08
74-83-9	Bromomethane	0.39	U	0.39	0.09
75-00-3	Chloroethane	0.27	U	0.27	0.06
75-69-4	Trichlorofluoromethane	1.01		0.56	0.23
67-63-0	Isopropyl Alcohol	3.8		0.49	0.34
76-14-2	Dichlorotetrafluoethane	0.7	U	0.7	0.2
76-13-1	1,1,2-Trichlorotrifluoroethane	0.76	U	0.76	0.18
593-60-2	Bromoethene	0.44	U	0.44	0.18
115-07-1	Propene	2.3		0.86	0.08
142-82-5	Heptane	3.35		0.41	0.11
75-35-4	1,1-Dichloroethene	0.4	U	0.4	0.13
141-78-6	Ethyl Acetate	22.9		0.36	0.08
67-64-1	Acetone	44.1		0.47	0.31
75-15-0	Carbon disulfide	0.81		0.31	0.07
1634-04-4	Methyl tert-butyl Ether	0.36	U	0.36	0.15
75-09-2	Methylene Chloride	3.27		0.7	0.16
107-05-1	Allyl Chloride	0.31	U	0.31	0.08
156-60-5	trans-1,2-Dichloroethene	0.4	U	0.4	0.15
108-05-4	Vinyl Acetate	0.35	U	0.35	0.09
75-34-3	1,1-Dichloroethane	0.4	U	0.4	0.12
110-82-7	Cyclohexane	2.45		0.34	0.23
78-93-3	2-Butanone	2.09		0.59	0.21
56-23-5	Carbon Tetrachloride	0.63	U	0.63	0.38
156-59-2	cis-1,2-Dichloroethene	0.4	U	0.4	0.17
67-66-3	Chloroform	0.49	U	0.49	0.11
123-91-1	1,4-Dioxane	0.72	U	0.72	0.19
71-55-6	1,1,1-Trichloroethane	0.54	U	0.54	0.15
109-99-9	Tetrahydrofuran	2.44		0.59	0.18
540-84-1	2,2,4-Trimethylpentane	1.54		0.47	0.12

U = Not Detected
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E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-1**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-01**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121821.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
71-43-2	Benzene	9.06		0.32	0.1
107-06-2	1,2-Dichloroethane	0.4	U	0.4	0.26
79-01-6	Trichloroethene	0.54	U	0.54	0.21
78-87-5	1,2-Dichloropropane	0.46	U	0.46	0.25
75-27-4	Bromodichloromethane	0.67	U	0.67	0.23
108-10-1	4-Methyl-2-Pentanone	0.82	U	0.82	0.25
108-88-3	Toluene	39.6		0.38	0.2
10061-02-6	t-1,3-Dichloropropene	0.45	U	0.45	0.21
10061-01-5	cis-1,3-Dichloropropene	0.45	U	0.45	0.11
79-00-5	1,1,2-Trichloroethane	0.54	U	0.54	0.23
591-78-6	2-Hexanone	0.82	U	0.82	0.16
124-48-1	Dibromochloromethane	0.85	U	0.85	0.35
106-93-4	1,2-Dibromoethane	0.77	U	0.77	0.32
127-18-4	Tetrachloroethene	1.29		0.68	0.27
108-90-7	Chlorobenzene	0.46	U	0.46	0.22
100-41-4	Ethyl Benzene	3.69		0.43	0.15
126777-61-2	m/p-Xylene	15.9		0.87	0.36
95-47-6	o-Xylene	4.03		0.43	0.22
100-42-5	Styrene	1.23		0.43	0.17
75-25-2	Bromoform	1.03	U	1.03	0.36
79-34-5	1,1,2,2-Tetrachloroethane	0.69	U	0.69	0.32
108-67-8	1,3,5-Trimethylbenzene	0.79		0.49	0.27
95-63-6	1,2,4-Trimethylbenzene	1.87		0.49	0.24
622-96-8	4-Ethyltoluene	1.62		0.49	0.18
541-73-1	1,3-Dichlorobenzene	0.6	U	0.6	0.39
106-46-7	1,4-Dichlorobenzene	0.6	U	0.6	0.32
95-50-1	1,2-Dichlorobenzene	0.6	U	0.6	0.29
120-82-1	1,2,4-Trichlorobenzene	0.74	U	0.74	0.38
87-68-3	Hexachloro-1,3-butadiene	1.07	U	1.07	0.7
106-99-0	1,3-Butadiene	0.22	U	0.22	0.15
110-54-3	Hexane	7.21		0.7	0.08
100-44-7	Benzyl Chloride	0.58	U	0.58	0.2

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-1**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-01**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121821.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
SURROGATES					
460-00-4	1-Bromo-4-Fluorobenzene	2.29	92 %	65 - 135	
INTERNAL STANDARDS					
74-97-5	Bromochloromethane	142307	7.01		
540-36-3	1,4-Difluorobenzene	331808	8.61		
3114-55-4	Chlorobenzene-d5	275198	13.68		

U = Not Detected
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E = Value Exceeds Calibration Range

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-1**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-01**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121821.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ppbv	Qualifier	RL ppbv	MDL ppbv
TARGETS					
75-71-8	Dichlorodifluoromethane	0.3		0.1	0.031
74-87-3	Chloromethane	0.1		0.1	0.031
75-01-4	Vinyl Chloride	0.1	U	0.1	0.031
74-83-9	Bromomethane	0.1	U	0.1	0.022
75-00-3	Chloroethane	0.1	U	0.1	0.024
75-69-4	Trichlorofluoromethane	0.2		0.1	0.041
67-63-0	Isopropyl Alcohol	1.6		0.2	0.140
76-14-2	Dichlorotetrafluoethane	0.1	U	0.1	0.028
76-13-1	1,1,2-Trichlorotrifluoroethane	0.1	U	0.1	0.024
593-60-2	Bromoethene	0.1	U	0.1	0.042
115-07-1	Propene	1.3		0.5	0.047
142-82-5	Heptane	0.8		0.1	0.028
75-35-4	1,1-Dichloroethene	0.1	U	0.1	0.034
141-78-6	Ethyl Acetate	6.4		0.1	0.022
67-64-1	Acetone	19		0.2	0.130
75-15-0	Carbon disulfide	0.3		0.1	0.022
1634-04-4	Methyl tert-butyl Ether	0.1	U	0.1	0.043
75-09-2	Methylene Chloride	0.9		0.2	0.047
107-05-1	Allyl Chloride	0.1	U	0.1	0.025
156-60-5	trans-1,2-Dichloroethene	0.1	U	0.1	0.038
108-05-4	Vinyl Acetate	0.1	U	0.1	0.025
75-34-3	1,1-Dichloroethane	0.1	U	0.1	0.030
110-82-7	Cyclohexane	0.7		0.1	0.070
78-93-3	2-Butanone	0.7		0.2	0.070
56-23-5	Carbon Tetrachloride	0.1	U	0.1	0.061
156-59-2	cis-1,2-Dichloroethene	0.1	U	0.1	0.043
67-66-3	Chloroform	0.1	U	0.1	0.022
123-91-1	1,4-Dioxane	0.2	U	0.2	0.054
71-55-6	1,1,1-Trichloroethane	0.1	U	0.1	0.028
109-99-9	Tetrahydrofuran	0.8		0.2	0.060
540-84-1	2,2,4-Trimethylpentane	0.3		0.1	0.026

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-1**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-01**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121821.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ppbv	Qualifier	RL ppbv	MDL ppbv
71-43-2	Benzene	2.8		0.1	0.031
107-06-2	1,2-Dichloroethane	0.1	U	0.1	0.065
79-01-6	Trichloroethene	0.1	U	0.1	0.040
78-87-5	1,2-Dichloropropane	0.1	U	0.1	0.054
75-27-4	Bromodichloromethane	0.1	U	0.1	0.035
108-10-1	4-Methyl-2-Pentanone	0.2	U	0.2	0.060
108-88-3	Toluene	11		0.1	0.054
10061-02-6	t-1,3-Dichloropropene	0.1	U	0.1	0.047
10061-01-5	cis-1,3-Dichloropropene	0.1	U	0.1	0.024
79-00-5	1,1,2-Trichloroethane	0.1	U	0.1	0.043
591-78-6	2-Hexanone	0.2	U	0.2	0.040
124-48-1	Dibromochloromethane	0.1	U	0.1	0.041
106-93-4	1,2-Dibromoethane	0.1	U	0.1	0.041
127-18-4	Tetrachloroethene	0.2		0.1	0.040
108-90-7	Chlorobenzene	0.1	U	0.1	0.047
100-41-4	Ethyl Benzene	0.9		0.1	0.034
126777-61-2	m/p-Xylene	3.7		0.2	0.084
95-47-6	o-Xylene	0.9		0.1	0.050
100-42-5	Styrene	0.3		0.1	0.040
75-25-2	Bromoform	0.1	U	0.1	0.035
79-34-5	1,1,2,2-Tetrachloroethane	0.1	U	0.1	0.047
108-67-8	1,3,5-Trimethylbenzene	0.2		0.1	0.054
95-63-6	1,2,4-Trimethylbenzene	0.4		0.1	0.048
622-96-8	4-Ethyltoluene	0.3		0.1	0.036
541-73-1	1,3-Dichlorobenzene	0.1	U	0.1	0.065
106-46-7	1,4-Dichlorobenzene	0.1	U	0.1	0.054
95-50-1	1,2-Dichlorobenzene	0.1	U	0.1	0.049
120-82-1	1,2,4-Trichlorobenzene	0.1	U	0.1	0.051
87-68-3	Hexachloro-1,3-butadiene	0.1	U	0.1	0.066
106-99-0	1,3-Butadiene	0.1	U	0.1	0.069
110-54-3	Hexane	2.0		0.2	0.024
100-44-7	Benzyl Chloride	0.1	U	0.1	0.035

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N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-1**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-01**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121821.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ppbv	Qualifier	RL ppbv	MDL ppbv
SURROGATES					
460-00-4	1-Bromo-4-Fluorobenzene	2.29	92 %	65 - 135	
INTERNAL STANDARDS					
74-97-5	Bromochloromethane	142307	7.01		
540-36-3	1,4-Difluorobenzene	331808	8.61		
3114-55-4	Chlorobenzene-d5	275198	13.68		

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Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-2**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-02**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121823.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
TARGETS					
75-71-8	Dichlorodifluoromethane	1.83		0.49	0.15
74-87-3	Chloromethane	0.2	J	0.2	0.06
75-01-4	Vinyl Chloride	0.26	U	0.26	0.08
74-83-9	Bromomethane	0.39	U	0.39	0.09
75-00-3	Chloroethane	0.27	U	0.27	0.06
75-69-4	Trichlorofluoromethane	1.06		0.56	0.23
67-63-0	Isopropyl Alcohol	5.52		0.49	0.34
76-14-2	Dichlorotetrafluoethane	0.7	U	0.7	0.2
76-13-1	1,1,2-Trichlorotrifluoroethane	0.76	U	0.76	0.18
593-60-2	Bromoethene	0.44	U	0.44	0.18
115-07-1	Propene	6.89		0.86	0.08
142-82-5	Heptane	3.89		0.41	0.11
75-35-4	1,1-Dichloroethene	0.4	U	0.4	0.13
141-78-6	Ethyl Acetate	71.4		0.36	0.08
67-64-1	Acetone	63.6	E	0.47	0.31
75-15-0	Carbon disulfide	0.99		0.31	0.07
1634-04-4	Methyl tert-butyl Ether	0.36	U	0.36	0.15
75-09-2	Methylene Chloride	3.55		0.7	0.16
107-05-1	Allyl Chloride	0.31	U	0.31	0.08
156-60-5	trans-1,2-Dichloroethene	0.4	U	0.4	0.15
108-05-4	Vinyl Acetate	0.35	U	0.35	0.09
75-34-3	1,1-Dichloroethane	0.4	U	0.4	0.12
110-82-7	Cyclohexane	3.22		0.34	0.23
78-93-3	2-Butanone	3.27		0.59	0.21
56-23-5	Carbon Tetrachloride	0.63	U	0.63	0.38
156-59-2	cis-1,2-Dichloroethene	0.4	U	0.4	0.17
67-66-3	Chloroform	0.49	U	0.49	0.11
123-91-1	1,4-Dioxane	0.72	U	0.72	0.19
71-55-6	1,1,1-Trichloroethane	0.54	U	0.54	0.15
109-99-9	Tetrahydrofuran	1.3		0.59	0.18
540-84-1	2,2,4-Trimethylpentane	2.14		0.47	0.12

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Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-2**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-02**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121823.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
71-43-2	Benzene	11.5		0.32	0.1
107-06-2	1,2-Dichloroethane	0.4	U	0.4	0.26
79-01-6	Trichloroethene	0.54	U	0.54	0.21
78-87-5	1,2-Dichloropropane	0.46	U	0.46	0.25
75-27-4	Bromodichloromethane	0.67	U	0.67	0.23
108-10-1	4-Methyl-2-Pentanone	0.82	U	0.82	0.25
108-88-3	Toluene	51.6		0.38	0.2
10061-02-6	t-1,3-Dichloropropene	0.45	U	0.45	0.21
10061-01-5	cis-1,3-Dichloropropene	0.45	U	0.45	0.11
79-00-5	1,1,2-Trichloroethane	0.54	U	0.54	0.23
591-78-6	2-Hexanone	0.82	U	0.82	0.16
124-48-1	Dibromochloromethane	0.85	U	0.85	0.35
106-93-4	1,2-Dibromoethane	0.77	U	0.77	0.32
127-18-4	Tetrachloroethene	0.68	U	0.68	0.27
108-90-7	Chlorobenzene	0.46	U	0.46	0.22
100-41-4	Ethyl Benzene	3.69		0.43	0.15
126777-61-2	m/p-Xylene	13.7		0.87	0.36
95-47-6	o-Xylene	3.21		0.43	0.22
100-42-5	Styrene	0.85		0.43	0.17
75-25-2	Bromoform	1.03	U	1.03	0.36
79-34-5	1,1,2,2-Tetrachloroethane	0.69	U	0.69	0.32
108-67-8	1,3,5-Trimethylbenzene	0.49	U	0.49	0.27
95-63-6	1,2,4-Trimethylbenzene	0.74		0.49	0.24
622-96-8	4-Ethyltoluene	1.37		0.49	0.18
541-73-1	1,3-Dichlorobenzene	0.6	U	0.6	0.39
106-46-7	1,4-Dichlorobenzene	0.6	U	0.6	0.32
95-50-1	1,2-Dichlorobenzene	0.6	U	0.6	0.29
120-82-1	1,2,4-Trichlorobenzene	0.74	U	0.74	0.38
87-68-3	Hexachloro-1,3-butadiene	1.07	U	1.07	0.7
106-99-0	1,3-Butadiene	0.22	U	0.22	0.15
110-54-3	Hexane	8.62		0.7	0.08
100-44-7	Benzyl Chloride	0.58	U	0.58	0.2

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-2**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-02**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121823.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
SURROGATES					
460-00-4	1-Bromo-4-Fluorobenzene	2.35	94 %	65 - 135	
INTERNAL STANDARDS					
74-97-5	Bromochloromethane	131232	7.01		
540-36-3	1,4-Difluorobenzene	301065	8.61		
3114-55-4	Chlorobenzene-d5	287490	13.68		

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-2**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-02**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121823.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ppbv	Qualifier	RL ppbv	MDL ppbv
TARGETS					
75-71-8	Dichlorodifluoromethane	0.4		0.1	0.031
74-87-3	Chloromethane	0.1	J	0.1	0.031
75-01-4	Vinyl Chloride	0.1	U	0.1	0.031
74-83-9	Bromomethane	0.1	U	0.1	0.022
75-00-3	Chloroethane	0.1	U	0.1	0.024
75-69-4	Trichlorofluoromethane	0.2		0.1	0.041
67-63-0	Isopropyl Alcohol	2.2		0.2	0.140
76-14-2	Dichlorotetrafluoethane	0.1	U	0.1	0.028
76-13-1	1,1,2-Trichlorotrifluoroethane	0.1	U	0.1	0.024
593-60-2	Bromoethene	0.1	U	0.1	0.042
115-07-1	Propene	4.0		0.5	0.047
142-82-5	Heptane	1.0		0.1	0.028
75-35-4	1,1-Dichloroethene	0.1	U	0.1	0.034
141-78-6	Ethyl Acetate	20		0.1	0.022
67-64-1	Acetone	27	E	0.2	0.130
75-15-0	Carbon disulfide	0.3		0.1	0.022
1634-04-4	Methyl tert-butyl Ether	0.1	U	0.1	0.043
75-09-2	Methylene Chloride	1.0		0.2	0.047
107-05-1	Allyl Chloride	0.1	U	0.1	0.025
156-60-5	trans-1,2-Dichloroethene	0.1	U	0.1	0.038
108-05-4	Vinyl Acetate	0.1	U	0.1	0.025
75-34-3	1,1-Dichloroethane	0.1	U	0.1	0.030
110-82-7	Cyclohexane	1.0		0.1	0.070
78-93-3	2-Butanone	1.1		0.2	0.070
56-23-5	Carbon Tetrachloride	0.1	U	0.1	0.061
156-59-2	cis-1,2-Dichloroethene	0.1	U	0.1	0.043
67-66-3	Chloroform	0.1	U	0.1	0.022
123-91-1	1,4-Dioxane	0.2	U	0.2	0.054
71-55-6	1,1,1-Trichloroethane	0.1	U	0.1	0.028
109-99-9	Tetrahydrofuran	0.4		0.2	0.060
540-84-1	2,2,4-Trimethylpentane	0.5		0.1	0.026

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-2**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-02**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121823.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ppbv	Qualifier	RL ppbv	MDL ppbv
71-43-2	Benzene	3.6		0.1	0.031
107-06-2	1,2-Dichloroethane	0.1	U	0.1	0.065
79-01-6	Trichloroethene	0.1	U	0.1	0.040
78-87-5	1,2-Dichloropropane	0.1	U	0.1	0.054
75-27-4	Bromodichloromethane	0.1	U	0.1	0.035
108-10-1	4-Methyl-2-Pentanone	0.2	U	0.2	0.060
108-88-3	Toluene	14		0.1	0.054
10061-02-6	t-1,3-Dichloropropene	0.1	U	0.1	0.047
10061-01-5	cis-1,3-Dichloropropene	0.1	U	0.1	0.024
79-00-5	1,1,2-Trichloroethane	0.1	U	0.1	0.043
591-78-6	2-Hexanone	0.2	U	0.2	0.040
124-48-1	Dibromochloromethane	0.1	U	0.1	0.041
106-93-4	1,2-Dibromoethane	0.1	U	0.1	0.041
127-18-4	Tetrachloroethene	0.1	U	0.1	0.040
108-90-7	Chlorobenzene	0.1	U	0.1	0.047
100-41-4	Ethyl Benzene	0.9		0.1	0.034
126777-61-2	m/p-Xylene	3.2		0.2	0.084
95-47-6	o-Xylene	0.7		0.1	0.050
100-42-5	Styrene	0.2		0.1	0.040
75-25-2	Bromoform	0.1	U	0.1	0.035
79-34-5	1,1,2,2-Tetrachloroethane	0.1	U	0.1	0.047
108-67-8	1,3,5-Trimethylbenzene	0.1	U	0.1	0.054
95-63-6	1,2,4-Trimethylbenzene	0.2		0.1	0.048
622-96-8	4-Ethyltoluene	0.3		0.1	0.036
541-73-1	1,3-Dichlorobenzene	0.1	U	0.1	0.065
106-46-7	1,4-Dichlorobenzene	0.1	U	0.1	0.054
95-50-1	1,2-Dichlorobenzene	0.1	U	0.1	0.049
120-82-1	1,2,4-Trichlorobenzene	0.1	U	0.1	0.051
87-68-3	Hexachloro-1,3-butadiene	0.1	U	0.1	0.066
106-99-0	1,3-Butadiene	0.1	U	0.1	0.069
110-54-3	Hexane	2.4		0.2	0.024
100-44-7	Benzyl Chloride	0.1	U	0.1	0.035

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Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-2**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-02**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121823.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ppbv	Qualifier	RL ppbv	MDL ppbv
SURROGATES					
460-00-4	1-Bromo-4-Fluorobenzene	2.35	94 %	65 - 135	
INTERNAL STANDARDS					
74-97-5	Bromochloromethane	131232	7.01		
540-36-3	1,4-Difluorobenzene	301065	8.61		
3114-55-4	Chlorobenzene-d5	287490	13.68		

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Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-2DL**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-02DL**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121824.D	5	12/19/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
TARGETS					
75-71-8	Dichlorodifluoromethane	2.47	U	2.47	0.79
74-87-3	Chloromethane	1.02	U	1.02	0.33
75-01-4	Vinyl Chloride	1.28	U	1.28	0.41
74-83-9	Bromomethane	1.94	U	1.94	0.43
75-00-3	Chloroethane	1.33	U	1.33	0.32
75-69-4	Trichlorofluoromethane	2.8	U	2.8	1.12
67-63-0	Isopropyl Alcohol	5.64	D	2.45	1.74
76-14-2	Dichlorotetrafluoethane	3.5	U	3.5	0.98
76-13-1	1,1,2-Trichlorotrifluoroethane	3.82	U	3.82	0.92
593-60-2	Bromoethene	2.19	U	2.19	0.92
115-07-1	Propene	9.02	D	4.29	0.41
142-82-5	Heptane	3.89	D	2.04	0.57
75-35-4	1,1-Dichloroethene	1.98	U	1.98	0.67
141-78-6	Ethyl Acetate	56.9	D	1.8	0.4
67-64-1	Acetone	51	D	2.37	1.49
75-15-0	Carbon disulfide	1.55	U	1.55	0.34
1634-04-4	Methyl tert-butyl Ether	1.8	U	1.8	0.79
75-09-2	Methylene Chloride	4.17	D	3.48	0.83
107-05-1	Allyl Chloride	1.57	U	1.57	0.38
156-60-5	trans-1,2-Dichloroethene	1.98	U	1.98	0.75
108-05-4	Vinyl Acetate	1.76	U	1.76	0.42
75-34-3	1,1-Dichloroethane	2.02	U	2.02	0.61
110-82-7	Cyclohexane	4.19	D	1.68	1.17
78-93-3	2-Butanone	3.83	D	2.94	1.03
56-23-5	Carbon Tetrachloride	3.15	U	3.15	1.89
156-59-2	cis-1,2-Dichloroethene	1.98	U	1.98	0.87
67-66-3	Chloroform	2.43	U	2.43	0.54
123-91-1	1,4-Dioxane	3.6	U	3.6	0.97
71-55-6	1,1,1-Trichloroethane	2.72	U	2.72	0.76
109-99-9	Tetrahydrofuran	2.94	U	2.94	0.88
540-84-1	2,2,4-Trimethylpentane	2.33	U	2.33	0.61

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Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-2DL**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-02DL**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121824.D	5	12/19/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
71-43-2	Benzene	12.8	D	1.6	0.51
107-06-2	1,2-Dichloroethane	2.02	U	2.02	1.3
79-01-6	Trichloroethene	2.68	U	2.68	1.07
78-87-5	1,2-Dichloropropane	2.31	U	2.31	1.25
75-27-4	Bromodichloromethane	3.35	U	3.35	1.21
108-10-1	4-Methyl-2-Pentanone	4.09	U	4.09	1.23
108-88-3	Toluene	43.8	D	1.88	1.02
10061-02-6	t-1,3-Dichloropropene	2.27	U	2.27	1.09
10061-01-5	cis-1,3-Dichloropropene	2.27	U	2.27	0.54
79-00-5	1,1,2-Trichloroethane	2.72	U	2.72	1.2
591-78-6	2-Hexanone	4.09	U	4.09	0.82
124-48-1	Dibromochloromethane	4.25	U	4.25	1.7
106-93-4	1,2-Dibromoethane	3.84	U	3.84	1.54
127-18-4	Tetrachloroethene	3.39	U	3.39	1.36
108-90-7	Chlorobenzene	2.31	U	2.31	1.11
100-41-4	Ethyl Benzene	2.6	D	2.17	0.74
126777-61-2	m/p-Xylene	8.67	D	4.34	1.82
95-47-6	o-Xylene	2.17	U	2.17	1.08
100-42-5	Styrene	2.13	U	2.13	0.85
75-25-2	Bromoform	5.17	U	5.17	1.86
79-34-5	1,1,2,2-Tetrachloroethane	3.44	U	3.44	1.65
108-67-8	1,3,5-Trimethylbenzene	2.45	U	2.45	1.33
95-63-6	1,2,4-Trimethylbenzene	2.45	U	2.45	1.18
622-96-8	4-Ethyltoluene	2.45	U	2.45	0.88
541-73-1	1,3-Dichlorobenzene	3.01	U	3.01	1.92
106-46-7	1,4-Dichlorobenzene	3.01	U	3.01	1.62
95-50-1	1,2-Dichlorobenzene	3.01	U	3.01	1.44
120-82-1	1,2,4-Trichlorobenzene	3.7	U	3.7	1.92
87-68-3	Hexachloro-1,3-butadiene	5.34	U	5.34	3.52
106-99-0	1,3-Butadiene	1.1	U	1.1	0.75
110-54-3	Hexane	9.15	D	3.52	0.42
100-44-7	Benzyl Chloride	2.88	U	2.88	1.04

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J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-2DL**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-02DL**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121824.D	5	12/19/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
SURROGATES					
460-00-4	1-Bromo-4-Fluorobenzene	1.92	77 %	65 - 135	
INTERNAL STANDARDS					
74-97-5	Bromochloromethane	120825	7.01		
540-36-3	1,4-Difluorobenzene	252067	8.61		
3114-55-4	Chlorobenzene-d5	219107	13.69		

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-2DL**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-02DL**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121824.D	5	12/19/2006	121806

CAS Number	Parameter	Conc. ppbv	Qualifier	RL ppbv	MDL ppbv
TARGETS					
75-71-8	Dichlorodifluoromethane	0.5	U	0.5	0.160
74-87-3	Chloromethane	0.5	U	0.5	0.160
75-01-4	Vinyl Chloride	0.5	U	0.5	0.160
74-83-9	Bromomethane	0.5	U	0.5	0.110
75-00-3	Chloroethane	0.5	U	0.5	0.120
75-69-4	Trichlorofluoromethane	0.5	U	0.5	0.200
67-63-0	Isopropyl Alcohol	2.3	D	1.0	0.710
76-14-2	Dichlorotetrafluoethane	0.5	U	0.5	0.140
76-13-1	1,1,2-Trichlorotrifluoroethane	0.5	U	0.5	0.120
593-60-2	Bromoethene	0.5	U	0.5	0.210
115-07-1	Propene	5.2	D	2.5	0.240
142-82-5	Heptane	1.0	D	0.5	0.140
75-35-4	1,1-Dichloroethene	0.5	U	0.5	0.170
141-78-6	Ethyl Acetate	16	D	0.5	0.110
67-64-1	Acetone	22	D	1.0	0.630
75-15-0	Carbon disulfide	0.5	U	0.5	0.110
1634-04-4	Methyl tert-butyl Ether	0.5	U	0.5	0.220
75-09-2	Methylene Chloride	1.2	D	1.0	0.240
107-05-1	Allyl Chloride	0.5	U	0.5	0.120
156-60-5	trans-1,2-Dichloroethene	0.5	U	0.5	0.190
108-05-4	Vinyl Acetate	0.5	U	0.5	0.120
75-34-3	1,1-Dichloroethane	0.5	U	0.5	0.150
110-82-7	Cyclohexane	1.2	D	0.5	0.350
78-93-3	2-Butanone	1.3	D	1.0	0.350
56-23-5	Carbon Tetrachloride	0.5	U	0.5	0.300
156-59-2	cis-1,2-Dichloroethene	0.5	U	0.5	0.220
67-66-3	Chloroform	0.5	U	0.5	0.110
123-91-1	1,4-Dioxane	1.0	U	1.0	0.270
71-55-6	1,1,1-Trichloroethane	0.5	U	0.5	0.140
109-99-9	Tetrahydrofuran	1.0	U	1.0	0.300
540-84-1	2,2,4-Trimethylpentane	0.5	U	0.5	0.130

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Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-2DL**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-02DL**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121824.D	5	12/19/2006	121806

CAS Number	Parameter	Conc. ppbv	Qualifier	RL ppbv	MDL ppbv
71-43-2	Benzene	4.0	D	0.5	0.160
107-06-2	1,2-Dichloroethane	0.5	U	0.5	0.320
79-01-6	Trichloroethene	0.5	U	0.5	0.200
78-87-5	1,2-Dichloropropane	0.5	U	0.5	0.270
75-27-4	Bromodichloromethane	0.5	U	0.5	0.180
108-10-1	4-Methyl-2-Pentanone	1.0	U	1.0	0.300
108-88-3	Toluene	12	D	0.5	0.270
10061-02-6	t-1,3-Dichloropropene	0.5	U	0.5	0.240
10061-01-5	cis-1,3-Dichloropropene	0.5	U	0.5	0.120
79-00-5	1,1,2-Trichloroethane	0.5	U	0.5	0.220
591-78-6	2-Hexanone	1.0	U	1.0	0.200
124-48-1	Dibromochloromethane	0.5	U	0.5	0.200
106-93-4	1,2-Dibromoethane	0.5	U	0.5	0.200
127-18-4	Tetrachloroethene	0.5	U	0.5	0.200
108-90-7	Chlorobenzene	0.5	U	0.5	0.240
100-41-4	Ethyl Benzene	0.6	D	0.5	0.170
126777-61-2	m/p-Xylene	2.0	D	1.0	0.420
95-47-6	o-Xylene	0.5	U	0.5	0.250
100-42-5	Styrene	0.5	U	0.5	0.200
75-25-2	Bromoform	0.5	U	0.5	0.180
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U	0.5	0.240
108-67-8	1,3,5-Trimethylbenzene	0.5	U	0.5	0.270
95-63-6	1,2,4-Trimethylbenzene	0.5	U	0.5	0.240
622-96-8	4-Ethyltoluene	0.5	U	0.5	0.180
541-73-1	1,3-Dichlorobenzene	0.5	U	0.5	0.320
106-46-7	1,4-Dichlorobenzene	0.5	U	0.5	0.270
95-50-1	1,2-Dichlorobenzene	0.5	U	0.5	0.240
120-82-1	1,2,4-Trichlorobenzene	0.5	U	0.5	0.260
87-68-3	Hexachloro-1,3-butadiene	0.5	U	0.5	0.330
106-99-0	1,3-Butadiene	0.5	U	0.5	0.340
110-54-3	Hexane	2.6	D	1.0	0.120
100-44-7	Benzyl Chloride	0.5	U	0.5	0.180

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Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-2DL**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-02DL**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121824.D	5	12/19/2006	121806

CAS Number	Parameter	Conc. ppbv	Qualifier	RL ppbv	MDL ppbv
SURROGATES					
460-00-4	1-Bromo-4-Fluorobenzene	1.92	77 %	65 - 135	
INTERNAL STANDARDS					
74-97-5	Bromochloromethane	120825	7.01		
540-36-3	1,4-Difluorobenzene	252067	8.61		
3114-55-4	Chlorobenzene-d5	219107	13.69		

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Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-3**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-03**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121825.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
TARGETS					
75-71-8	Dichlorodifluoromethane	1.78		0.49	0.15
74-87-3	Chloromethane	0.51		0.2	0.06
75-01-4	Vinyl Chloride	0.26	U	0.26	0.08
74-83-9	Bromomethane	0.39	U	0.39	0.09
75-00-3	Chloroethane	0.27	U	0.27	0.06
75-69-4	Trichlorofluoromethane	1.12		0.56	0.23
67-63-0	Isopropyl Alcohol	5.77		0.49	0.34
76-14-2	Dichlorotetrafluoethane	0.7	U	0.7	0.2
76-13-1	1,1,2-Trichlorotrifluoroethane	0.76	U	0.76	0.18
593-60-2	Bromoethene	0.44	U	0.44	0.18
115-07-1	Propene	0.86	U	0.86	0.08
142-82-5	Heptane	1.27		0.41	0.11
75-35-4	1,1-Dichloroethene	0.4	U	0.4	0.13
141-78-6	Ethyl Acetate	222	E	0.36	0.08
67-64-1	Acetone	31.5		0.47	0.31
75-15-0	Carbon disulfide	0.31	U	0.31	0.07
1634-04-4	Methyl tert-butyl Ether	0.36	U	0.36	0.15
75-09-2	Methylene Chloride	5.67		0.7	0.16
107-05-1	Allyl Chloride	0.31	U	0.31	0.08
156-60-5	trans-1,2-Dichloroethene	0.4	U	0.4	0.15
108-05-4	Vinyl Acetate	0.35	U	0.35	0.09
75-34-3	1,1-Dichloroethane	0.4	U	0.4	0.12
110-82-7	Cyclohexane	1.88		0.34	0.23
78-93-3	2-Butanone	0.59	U	0.59	0.21
56-23-5	Carbon Tetrachloride	0.63	U	0.63	0.38
156-59-2	cis-1,2-Dichloroethene	0.4	U	0.4	0.17
67-66-3	Chloroform	0.49	U	0.49	0.11
123-91-1	1,4-Dioxane	0.72	U	0.72	0.19
71-55-6	1,1,1-Trichloroethane	0.54	U	0.54	0.15
109-99-9	Tetrahydrofuran	0.59	J	0.59	0.18
540-84-1	2,2,4-Trimethylpentane	0.98		0.47	0.12

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-3**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-03**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121825.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
71-43-2	Benzene	6.92		0.32	0.1
107-06-2	1,2-Dichloroethane	0.4	U	0.4	0.26
79-01-6	Trichloroethene	0.54	U	0.54	0.21
78-87-5	1,2-Dichloropropane	0.46	U	0.46	0.25
75-27-4	Bromodichloromethane	0.67	U	0.67	0.23
108-10-1	4-Methyl-2-Pentanone	0.82	U	0.82	0.25
108-88-3	Toluene	15.6		0.38	0.2
10061-02-6	t-1,3-Dichloropropene	0.45	U	0.45	0.21
10061-01-5	cis-1,3-Dichloropropene	0.45	U	0.45	0.11
79-00-5	1,1,2-Trichloroethane	0.54	U	0.54	0.23
591-78-6	2-Hexanone	0.82	U	0.82	0.16
124-48-1	Dibromochloromethane	0.85	U	0.85	0.35
106-93-4	1,2-Dibromoethane	0.77	U	0.77	0.32
127-18-4	Tetrachloroethene	0.68	U	0.68	0.27
108-90-7	Chlorobenzene	0.46	U	0.46	0.22
100-41-4	Ethyl Benzene	0.43	U	0.43	0.15
126777-61-2	m/p-Xylene	0.87	U	0.87	0.36
95-47-6	o-Xylene	0.43	U	0.43	0.22
100-42-5	Styrene	0.43	U	0.43	0.17
75-25-2	Bromoform	1.03	U	1.03	0.36
79-34-5	1,1,2,2-Tetrachloroethane	0.69	U	0.69	0.32
108-67-8	1,3,5-Trimethylbenzene	0.49	U	0.49	0.27
95-63-6	1,2,4-Trimethylbenzene	0.49	U	0.49	0.24
622-96-8	4-Ethyltoluene	0.49	U	0.49	0.18
541-73-1	1,3-Dichlorobenzene	0.6	U	0.6	0.39
106-46-7	1,4-Dichlorobenzene	0.6	U	0.6	0.32
95-50-1	1,2-Dichlorobenzene	0.6	U	0.6	0.29
120-82-1	1,2,4-Trichlorobenzene	0.74	U	0.74	0.38
87-68-3	Hexachloro-1,3-butadiene	1.07	U	1.07	0.7
106-99-0	1,3-Butadiene	0.22	U	0.22	0.15
110-54-3	Hexane	5.94		0.7	0.08
100-44-7	Benzyl Chloride	0.58	U	0.58	0.2

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-3**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-03**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121825.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
SURROGATES					
460-00-4	1-Bromo-4-Fluorobenzene	2.1	84 %	65 - 135	
INTERNAL STANDARDS					
74-97-5	Bromochloromethane	150101	7.01		
540-36-3	1,4-Difluorobenzene	380490	8.62		
3114-55-4	Chlorobenzene-d5	327756	13.68		

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Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-3**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-03**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121825.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ppbv	Qualifier	RL ppbv	MDL ppbv
TARGETS					
75-71-8	Dichlorodifluoromethane	0.4		0.1	0.031
74-87-3	Chloromethane	0.3		0.1	0.031
75-01-4	Vinyl Chloride	0.1	U	0.1	0.031
74-83-9	Bromomethane	0.1	U	0.1	0.022
75-00-3	Chloroethane	0.1	U	0.1	0.024
75-69-4	Trichlorofluoromethane	0.2		0.1	0.041
67-63-0	Isopropyl Alcohol	2.4		0.2	0.140
76-14-2	Dichlorotetrafluoethane	0.1	U	0.1	0.028
76-13-1	1,1,2-Trichlorotrifluoroethane	0.1	U	0.1	0.024
593-60-2	Bromoethene	0.1	U	0.1	0.042
115-07-1	Propene	0.5	U	0.5	0.047
142-82-5	Heptane	0.3		0.1	0.028
75-35-4	1,1-Dichloroethene	0.1	U	0.1	0.034
141-78-6	Ethyl Acetate	62	E	0.1	0.022
67-64-1	Acetone	13		0.2	0.130
75-15-0	Carbon disulfide	0.1	U	0.1	0.022
1634-04-4	Methyl tert-butyl Ether	0.1	U	0.1	0.043
75-09-2	Methylene Chloride	1.6		0.2	0.047
107-05-1	Allyl Chloride	0.1	U	0.1	0.025
156-60-5	trans-1,2-Dichloroethene	0.1	U	0.1	0.038
108-05-4	Vinyl Acetate	0.1	U	0.1	0.025
75-34-3	1,1-Dichloroethane	0.1	U	0.1	0.030
110-82-7	Cyclohexane	0.6		0.1	0.070
78-93-3	2-Butanone	0.2	U	0.2	0.070
56-23-5	Carbon Tetrachloride	0.1	U	0.1	0.061
156-59-2	cis-1,2-Dichloroethene	0.1	U	0.1	0.043
67-66-3	Chloroform	0.1	U	0.1	0.022
123-91-1	1,4-Dioxane	0.2	U	0.2	0.054
71-55-6	1,1,1-Trichloroethane	0.1	U	0.1	0.028
109-99-9	Tetrahydrofuran	0.2	J	0.2	0.060
540-84-1	2,2,4-Trimethylpentane	0.2		0.1	0.026

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-3**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-03**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121825.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ppbv	Qualifier	RL ppbv	MDL ppbv
71-43-2	Benzene	2.2		0.1	0.031
107-06-2	1,2-Dichloroethane	0.1	U	0.1	0.065
79-01-6	Trichloroethene	0.1	U	0.1	0.040
78-87-5	1,2-Dichloropropane	0.1	U	0.1	0.054
75-27-4	Bromodichloromethane	0.1	U	0.1	0.035
108-10-1	4-Methyl-2-Pentanone	0.2	U	0.2	0.060
108-88-3	Toluene	4.1		0.1	0.054
10061-02-6	t-1,3-Dichloropropene	0.1	U	0.1	0.047
10061-01-5	cis-1,3-Dichloropropene	0.1	U	0.1	0.024
79-00-5	1,1,2-Trichloroethane	0.1	U	0.1	0.043
591-78-6	2-Hexanone	0.2	U	0.2	0.040
124-48-1	Dibromochloromethane	0.1	U	0.1	0.041
106-93-4	1,2-Dibromoethane	0.1	U	0.1	0.041
127-18-4	Tetrachloroethene	0.1	U	0.1	0.040
108-90-7	Chlorobenzene	0.1	U	0.1	0.047
100-41-4	Ethyl Benzene	0.1	U	0.1	0.034
126777-61-2	m/p-Xylene	0.2	U	0.2	0.084
95-47-6	o-Xylene	0.1	U	0.1	0.050
100-42-5	Styrene	0.1	U	0.1	0.040
75-25-2	Bromoform	0.1	U	0.1	0.035
79-34-5	1,1,2,2-Tetrachloroethane	0.1	U	0.1	0.047
108-67-8	1,3,5-Trimethylbenzene	0.1	U	0.1	0.054
95-63-6	1,2,4-Trimethylbenzene	0.1	U	0.1	0.048
622-96-8	4-Ethyltoluene	0.1	U	0.1	0.036
541-73-1	1,3-Dichlorobenzene	0.1	U	0.1	0.065
106-46-7	1,4-Dichlorobenzene	0.1	U	0.1	0.054
95-50-1	1,2-Dichlorobenzene	0.1	U	0.1	0.049
120-82-1	1,2,4-Trichlorobenzene	0.1	U	0.1	0.051
87-68-3	Hexachloro-1,3-butadiene	0.1	U	0.1	0.066
106-99-0	1,3-Butadiene	0.1	U	0.1	0.069
110-54-3	Hexane	1.7		0.2	0.024
100-44-7	Benzyl Chloride	0.1	U	0.1	0.035

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-3**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-03**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121825.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ppbv	Qualifier	RL ppbv	MDL ppbv
SURROGATES					
460-00-4	1-Bromo-4-Fluorobenzene	2.1	84 %	65 - 135	
INTERNAL STANDARDS					
74-97-5	Bromochloromethane	150101	7.01		
540-36-3	1,4-Difluorobenzene	380490	8.62		
3114-55-4	Chlorobenzene-d5	327756	13.68		

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-3DL**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-03DL**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121826.D	10	12/19/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
TARGETS					
75-71-8	Dichlorodifluoromethane	4.95	U	4.95	1.53
74-87-3	Chloromethane	2.04	U	2.04	0.63
75-01-4	Vinyl Chloride	2.56	U	2.56	0.79
74-83-9	Bromomethane	3.89	U	3.89	0.85
75-00-3	Chloroethane	2.66	U	2.66	0.64
75-69-4	Trichlorofluoromethane	5.6	U	5.6	2.3
67-63-0	Isopropyl Alcohol	4.91	U	4.91	3.44
76-14-2	Dichlorotetrafluoethane	6.99	U	6.99	1.96
76-13-1	1,1,2-Trichlorotrifluoroethane	7.65	U	7.65	1.84
593-60-2	Bromoethene	4.38	U	4.38	1.84
115-07-1	Propene	8.59	U	8.59	0.81
142-82-5	Heptane	4.09	U	4.09	1.15
75-35-4	1,1-Dichloroethene	3.97	U	3.97	1.35
141-78-6	Ethyl Acetate	210	D	3.6	0.79
67-64-1	Acetone	4.74	U	4.74	3.08
75-15-0	Carbon disulfide	3.11	U	3.11	0.68
1634-04-4	Methyl tert-butyl Ether	3.6	U	3.6	1.55
75-09-2	Methylene Chloride	9.73	D	6.95	1.63
107-05-1	Allyl Chloride	3.15	U	3.15	0.79
156-60-5	trans-1,2-Dichloroethene	3.97	U	3.97	1.51
108-05-4	Vinyl Acetate	3.52	U	3.52	0.88
75-34-3	1,1-Dichloroethane	4.05	U	4.05	1.21
110-82-7	Cyclohexane	3.35	U	3.35	2.35
78-93-3	2-Butanone	5.89	U	5.89	2.06
56-23-5	Carbon Tetrachloride	6.3	U	6.3	3.84
156-59-2	cis-1,2-Dichloroethene	3.97	U	3.97	1.71
67-66-3	Chloroform	4.87	U	4.87	1.07
123-91-1	1,4-Dioxane	7.2	U	7.2	1.94
71-55-6	1,1,1-Trichloroethane	5.44	U	5.44	1.52
109-99-9	Tetrahydrofuran	5.89	U	5.89	1.77
540-84-1	2,2,4-Trimethylpentane	4.66	U	4.66	1.21

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-3DL**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-03DL**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121826.D	10	12/19/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
71-43-2	Benzene	11.2	D	3.19	0.99
107-06-2	1,2-Dichloroethane	4.05	U	4.05	2.63
79-01-6	Trichloroethene	5.36	U	5.36	2.14
78-87-5	1,2-Dichloropropane	4.62	U	4.62	2.5
75-27-4	Bromodichloromethane	6.71	U	6.71	2.35
108-10-1	4-Methyl-2-Pentanone	8.18	U	8.18	2.45
108-88-3	Toluene	15.4	D	3.76	2.03
10061-02-6	t-1,3-Dichloropropene	4.54	U	4.54	2.13
10061-01-5	cis-1,3-Dichloropropene	4.54	U	4.54	1.09
79-00-5	1,1,2-Trichloroethane	5.44	U	5.44	2.34
591-78-6	2-Hexanone	8.18	U	8.18	1.64
124-48-1	Dibromochloromethane	8.51	U	8.51	3.49
106-93-4	1,2-Dibromoethane	7.69	U	7.69	3.15
127-18-4	Tetrachloroethene	6.79	U	6.79	2.72
108-90-7	Chlorobenzene	4.62	U	4.62	2.17
100-41-4	Ethyl Benzene	4.34	U	4.34	1.47
126777-61-2	m/p-Xylene	8.67	U	8.67	3.64
95-47-6	o-Xylene	4.34	U	4.34	2.17
100-42-5	Styrene	4.25	U	4.25	1.7
75-25-2	Bromoform	10.35	U	10.35	3.62
79-34-5	1,1,2,2-Tetrachloroethane	6.87	U	6.87	3.23
108-67-8	1,3,5-Trimethylbenzene	4.91	U	4.91	2.65
95-63-6	1,2,4-Trimethylbenzene	4.91	U	4.91	2.36
622-96-8	4-Ethyltoluene	4.91	U	4.91	1.77
541-73-1	1,3-Dichlorobenzene	6.01	U	6.01	3.91
106-46-7	1,4-Dichlorobenzene	6.01	U	6.01	3.25
95-50-1	1,2-Dichlorobenzene	6.01	U	6.01	2.95
120-82-1	1,2,4-Trichlorobenzene	7.4	U	7.4	3.78
87-68-3	Hexachloro-1,3-butadiene	10.67	U	10.67	7.05
106-99-0	1,3-Butadiene	2.21	U	2.21	1.52
110-54-3	Hexane	9.5	D	7.03	0.84
100-44-7	Benzyl Chloride	5.77	U	5.77	2.02

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-3DL**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-03DL**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121826.D	10	12/19/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
SURROGATES					
460-00-4	1-Bromo-4-Fluorobenzene	1.84	74 %	65 - 135	
INTERNAL STANDARDS					
74-97-5	Bromochloromethane	149460	7.01		
540-36-3	1,4-Difluorobenzene	307881	8.62		
3114-55-4	Chlorobenzene-d5	213449	13.68		

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-3DL**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-03DL**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121826.D	10	12/19/2006	121806

CAS Number	Parameter	Conc. ppbv	Qualifier	RL ppbv	MDL ppbv
TARGETS					
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.310
74-87-3	Chloromethane	1.0	U	1.0	0.310
75-01-4	Vinyl Chloride	1.0	U	1.0	0.310
74-83-9	Bromomethane	1.0	U	1.0	0.220
75-00-3	Chloroethane	1.0	U	1.0	0.240
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.410
67-63-0	Isopropyl Alcohol	2.0	U	2.0	1.4
76-14-2	Dichlorotetrafluoethane	1.0	U	1.0	0.280
76-13-1	1,1,2-Trichlorotrifluoroethane	1.0	U	1.0	0.240
593-60-2	Bromoethene	1.0	U	1.0	0.420
115-07-1	Propene	5.0	U	5.0	0.470
142-82-5	Heptane	1.0	U	1.0	0.280
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.340
141-78-6	Ethyl Acetate	58	D	1.0	0.220
67-64-1	Acetone	2.0	U	2.0	1.3
75-15-0	Carbon disulfide	1.0	U	1.0	0.220
1634-04-4	Methyl tert-butyl Ether	1.0	U	1.0	0.430
75-09-2	Methylene Chloride	2.8	D	2.0	0.470
107-05-1	Allyl Chloride	1.0	U	1.0	0.250
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.380
108-05-4	Vinyl Acetate	1.0	U	1.0	0.250
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.300
110-82-7	Cyclohexane	1.0	U	1.0	0.700
78-93-3	2-Butanone	2.0	U	2.0	0.700
56-23-5	Carbon Tetrachloride	1.0	U	1.0	0.610
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.430
67-66-3	Chloroform	1.0	U	1.0	0.220
123-91-1	1,4-Dioxane	2.0	U	2.0	0.540
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.280
109-99-9	Tetrahydrofuran	2.0	U	2.0	0.600
540-84-1	2,2,4-Trimethylpentane	1.0	U	1.0	0.260

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-3DL**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-03DL**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121826.D	10	12/19/2006	121806

CAS Number	Parameter	Conc. ppbv	Qualifier	RL ppbv	MDL ppbv
71-43-2	Benzene	3.5	D	1.0	0.310
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.650
79-01-6	Trichloroethene	1.0	U	1.0	0.400
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.540
75-27-4	Bromodichloromethane	1.0	U	1.0	0.350
108-10-1	4-Methyl-2-Pentanone	2.0	U	2.0	0.600
108-88-3	Toluene	4.1	D	1.0	0.540
10061-02-6	t-1,3-Dichloropropene	1.0	U	1.0	0.470
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.240
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.430
591-78-6	2-Hexanone	2.0	U	2.0	0.400
124-48-1	Dibromochloromethane	1.0	U	1.0	0.410
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.410
127-18-4	Tetrachloroethene	1.0	U	1.0	0.400
108-90-7	Chlorobenzene	1.0	U	1.0	0.470
100-41-4	Ethyl Benzene	1.0	U	1.0	0.340
126777-61-2	m/p-Xylene	2.0	U	2.0	0.840
95-47-6	o-Xylene	1.0	U	1.0	0.500
100-42-5	Styrene	1.0	U	1.0	0.400
75-25-2	Bromoform	1.0	U	1.0	0.350
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.470
108-67-8	1,3,5-Trimethylbenzene	1.0	U	1.0	0.540
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.480
622-96-8	4-Ethyltoluene	1.0	U	1.0	0.360
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.650
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.540
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.490
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.510
87-68-3	Hexachloro-1,3-butadiene	1.0	U	1.0	0.660
106-99-0	1,3-Butadiene	1.0	U	1.0	0.690
110-54-3	Hexane	2.7	D	2.0	0.240
100-44-7	Benzyl Chloride	1.0	U	1.0	0.350

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-3DL**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-03DL**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121826.D	10	12/19/2006	121806

CAS Number	Parameter	Conc. ppbv	Qualifier	RL ppbv	MDL ppbv
SURROGATES					
460-00-4	1-Bromo-4-Fluorobenzene	1.84	74 %	65 - 135	
INTERNAL STANDARDS					
74-97-5	Bromochloromethane	149460	7.01		
540-36-3	1,4-Difluorobenzene	307881	8.62		
3114-55-4	Chlorobenzene-d5	213449	13.68		

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Chemtech

Summary Sheet
SW-846

SDG No.: X5778 Order ID: X5778

Client: C.T. Male & Associates Project ID: CTMA01

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	**SV-1**							
X5778-01	SV-1	AIR	Dichlorodifluoromethane	1.68		0.49	0.15	ug/m3
X5778-01	SV-1	AIR	Chloromethane	0.29		0.2	0.06	ug/m3
X5778-01	SV-1	AIR	Trichlorofluoromethane	1.01		0.56	0.23	ug/m3
X5778-01	SV-1	AIR	Isopropyl Alcohol	3.8		0.49	0.34	ug/m3
X5778-01	SV-1	AIR	Propene	2.3		0.86	0.08	ug/m3
X5778-01	SV-1	AIR	Heptane	3.35		0.41	0.11	ug/m3
X5778-01	SV-1	AIR	Ethyl Acetate	22.9		0.36	0.08	ug/m3
X5778-01	SV-1	AIR	Acetone	44.1		0.47	0.31	ug/m3
X5778-01	SV-1	AIR	Carbon disulfide	0.81		0.31	0.07	ug/m3
X5778-01	SV-1	AIR	Methylene Chloride	3.27		0.7	0.16	ug/m3
X5778-01	SV-1	AIR	Cyclohexane	2.45		0.34	0.23	ug/m3
X5778-01	SV-1	AIR	2-Butanone	2.09		0.59	0.21	ug/m3
X5778-01	SV-1	AIR	Tetrahydrofuran	2.44		0.59	0.18	ug/m3
X5778-01	SV-1	AIR	2,2,4-Trimethylpentane	1.54		0.47	0.12	ug/m3
X5778-01	SV-1	AIR	Benzene	9.06		0.32	0.1	ug/m3
X5778-01	SV-1	AIR	Toluene	39.6		0.38	0.2	ug/m3
X5778-01	SV-1	AIR	Tetrachloroethene	1.29		0.68	0.27	ug/m3
X5778-01	SV-1	AIR	Ethyl Benzene	3.69		0.43	0.15	ug/m3
X5778-01	SV-1	AIR	m/p-Xylene	15.9		0.87	0.36	ug/m3
X5778-01	SV-1	AIR	o-Xylene	4.03		0.43	0.22	ug/m3
X5778-01	SV-1	AIR	Styrene	1.23		0.43	0.17	ug/m3
X5778-01	SV-1	AIR	1,3,5-Trimethylbenzene	0.79		0.49	0.27	ug/m3
X5778-01	SV-1	AIR	1,2,4-Trimethylbenzene	1.87		0.49	0.24	ug/m3
X5778-01	SV-1	AIR	4-Ethyltoluene	1.62		0.49	0.18	ug/m3
X5778-01	SV-1	AIR	Hexane	7.21		0.7	0.08	ug/m3

Total VOC's:	178.32
Total TIC's:	0.00
Total VOC's and TIC's:	178.32

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Chemtech

Summary Sheet
SW-846

SDG No.: X5778 Order ID: X5778

Client: C.T. Male & Associates Project ID: CTMA01

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	**SV-2**							
X5778-02	SV-2	AIR	Dichlorodifluoromethane	1.83		0.49	0.15	ug/m3
X5778-02	SV-2	AIR	Chloromethane	0.2	J	0.2	0.06	ug/m3
X5778-02	SV-2	AIR	Trichlorofluoromethane	1.06		0.56	0.23	ug/m3
X5778-02	SV-2	AIR	Isopropyl Alcohol	5.52		0.49	0.34	ug/m3
X5778-02	SV-2	AIR	Propene	6.89		0.86	0.08	ug/m3
X5778-02	SV-2	AIR	Heptane	3.89		0.41	0.11	ug/m3
X5778-02	SV-2	AIR	Ethyl Acetate	71.4		0.36	0.08	ug/m3
X5778-02	SV-2	AIR	Acetone	63.6	E	0.47	0.31	ug/m3
X5778-02	SV-2	AIR	Carbon disulfide	0.99		0.31	0.07	ug/m3
X5778-02	SV-2	AIR	Methylene Chloride	3.55		0.7	0.16	ug/m3
X5778-02	SV-2	AIR	Cyclohexane	3.22		0.34	0.23	ug/m3
X5778-02	SV-2	AIR	2-Butanone	3.27		0.59	0.21	ug/m3
X5778-02	SV-2	AIR	Tetrahydrofuran	1.3		0.59	0.18	ug/m3
X5778-02	SV-2	AIR	2,2,4-Trimethylpentane	2.14		0.47	0.12	ug/m3
X5778-02	SV-2	AIR	Benzene	11.5		0.32	0.1	ug/m3
X5778-02	SV-2	AIR	Toluene	51.6		0.38	0.2	ug/m3
X5778-02	SV-2	AIR	Ethyl Benzene	3.69		0.43	0.15	ug/m3
X5778-02	SV-2	AIR	m/p-Xylene	13.7		0.87	0.36	ug/m3
X5778-02	SV-2	AIR	o-Xylene	3.21		0.43	0.22	ug/m3
X5778-02	SV-2	AIR	Styrene	0.85		0.43	0.17	ug/m3
X5778-02	SV-2	AIR	1,2,4-Trimethylbenzene	0.74		0.49	0.24	ug/m3
X5778-02	SV-2	AIR	4-Ethyltoluene	1.37		0.49	0.18	ug/m3
X5778-02	SV-2	AIR	Hexane	8.62		0.7	0.08	ug/m3

Total VOC's:	264.14
Total TIC's:	0.00
Total VOC's and TIC's:	264.14

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Chemtech

Summary Sheet
SW-846

SDG No.: X5778 Order ID: X5778

Client: C.T. Male & Associates Project ID: CTMA01

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	**SV-2DL**							
X5778-02DL	SV-2DL	AIR	Isopropyl Alcohol	5.64	D	2.45	1.74	ug/m3
X5778-02DL	SV-2DL	AIR	Propene	9.02	D	4.29	0.41	ug/m3
X5778-02DL	SV-2DL	AIR	Heptane	3.89	D	2.04	0.57	ug/m3
X5778-02DL	SV-2DL	AIR	Ethyl Acetate	56.9	D	1.8	0.4	ug/m3
X5778-02DL	SV-2DL	AIR	Acetone	51	D	2.37	1.49	ug/m3
X5778-02DL	SV-2DL	AIR	Methylene Chloride	4.17	D	3.48	0.83	ug/m3
X5778-02DL	SV-2DL	AIR	Cyclohexane	4.19	D	1.68	1.17	ug/m3
X5778-02DL	SV-2DL	AIR	2-Butanone	3.83	D	2.94	1.03	ug/m3
X5778-02DL	SV-2DL	AIR	Benzene	12.8	D	1.6	0.51	ug/m3
X5778-02DL	SV-2DL	AIR	Toluene	43.8	D	1.88	1.02	ug/m3
X5778-02DL	SV-2DL	AIR	Ethyl Benzene	2.6	D	2.17	0.74	ug/m3
X5778-02DL	SV-2DL	AIR	m/p-Xylene	8.67	D	4.34	1.82	ug/m3
X5778-02DL	SV-2DL	AIR	Hexane	9.15	D	3.52	0.42	ug/m3
			Total VOC's:	215.66				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	215.66				
Client ID:	**SV-3**							
X5778-03	SV-3	AIR	Dichlorodifluoromethane	1.78		0.49	0.15	ug/m3
X5778-03	SV-3	AIR	Chloromethane	0.51		0.2	0.06	ug/m3
X5778-03	SV-3	AIR	Trichlorofluoromethane	1.12		0.56	0.23	ug/m3
X5778-03	SV-3	AIR	Isopropyl Alcohol	5.77		0.49	0.34	ug/m3
X5778-03	SV-3	AIR	Heptane	1.27		0.41	0.11	ug/m3
X5778-03	SV-3	AIR	Ethyl Acetate	222	E	0.36	0.08	ug/m3
X5778-03	SV-3	AIR	Acetone	31.5		0.47	0.31	ug/m3
X5778-03	SV-3	AIR	Methylene Chloride	5.67		0.7	0.16	ug/m3
X5778-03	SV-3	AIR	Cyclohexane	1.88		0.34	0.23	ug/m3
X5778-03	SV-3	AIR	Tetrahydrofuran	0.59	J	0.59	0.18	ug/m3
X5778-03	SV-3	AIR	2,2,4-Trimethylpentane	0.98		0.47	0.12	ug/m3
X5778-03	SV-3	AIR	Benzene	6.92		0.32	0.1	ug/m3
X5778-03	SV-3	AIR	Toluene	15.6		0.38	0.2	ug/m3
X5778-03	SV-3	AIR	Hexane	5.94		0.7	0.08	ug/m3
			Total VOC's:	301.53				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	301.53				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Chemtech

Summary Sheet
SW-846

SDG No.: X5778 **Order ID:** X5778

Client: C.T. Male & Associates **Project ID:** CTMA01

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	**SV-3DL**							
X5778-03DL	SV-3DL	AIR	Ethyl Acetate	210	D	3.6	0.79	ug/m3
X5778-03DL	SV-3DL	AIR	Methylene Chloride	9.73	D	6.95	1.63	ug/m3
X5778-03DL	SV-3DL	AIR	Benzene	11.2	D	3.19	0.99	ug/m3
X5778-03DL	SV-3DL	AIR	Toluene	15.4	D	3.76	2.03	ug/m3
X5778-03DL	SV-3DL	AIR	Hexane	9.5	D	7.03	0.84	ug/m3

Total VOC's:	255.83
Total TIC's:	0.00
Total VOC's and TIC's:	255.83

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Chemtech

Summary Sheet
SW-846

SDG No.: X5778 Order ID: X5778

Client: C.T. Male & Associates Project ID: CTMA01

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	**SV-1**							
X5778-01	SV-1	AIR	Dichlorodifluoromethane	0.3		0.1	0.031	ppbv
X5778-01	SV-1	AIR	Chloromethane	0.1		0.1	0.031	ppbv
X5778-01	SV-1	AIR	Trichlorofluoromethane	0.2		0.1	0.041	ppbv
X5778-01	SV-1	AIR	Isopropyl Alcohol	1.6		0.2	0.140	ppbv
X5778-01	SV-1	AIR	Propene	1.3		0.5	0.047	ppbv
X5778-01	SV-1	AIR	Heptane	0.8		0.1	0.028	ppbv
X5778-01	SV-1	AIR	Ethyl Acetate	6.4		0.1	0.022	ppbv
X5778-01	SV-1	AIR	Acetone	19		0.2	0.130	ppbv
X5778-01	SV-1	AIR	Carbon disulfide	0.3		0.1	0.022	ppbv
X5778-01	SV-1	AIR	Methylene Chloride	0.9		0.2	0.047	ppbv
X5778-01	SV-1	AIR	Cyclohexane	0.7		0.1	0.070	ppbv
X5778-01	SV-1	AIR	2-Butanone	0.7		0.2	0.070	ppbv
X5778-01	SV-1	AIR	Tetrahydrofuran	0.8		0.2	0.060	ppbv
X5778-01	SV-1	AIR	2,2,4-Trimethylpentane	0.3		0.1	0.026	ppbv
X5778-01	SV-1	AIR	Benzene	2.8		0.1	0.031	ppbv
X5778-01	SV-1	AIR	Toluene	11		0.1	0.054	ppbv
X5778-01	SV-1	AIR	Tetrachloroethene	0.2		0.1	0.040	ppbv
X5778-01	SV-1	AIR	Ethyl Benzene	0.9		0.1	0.034	ppbv
X5778-01	SV-1	AIR	m/p-Xylene	3.7		0.2	0.084	ppbv
X5778-01	SV-1	AIR	o-Xylene	0.9		0.1	0.050	ppbv
X5778-01	SV-1	AIR	Styrene	0.3		0.1	0.040	ppbv
X5778-01	SV-1	AIR	1,3,5-Trimethylbenzene	0.2		0.1	0.054	ppbv
X5778-01	SV-1	AIR	1,2,4-Trimethylbenzene	0.4		0.1	0.048	ppbv
X5778-01	SV-1	AIR	4-Ethyltoluene	0.3		0.1	0.036	ppbv
X5778-01	SV-1	AIR	Hexane	2.0		0.2	0.024	ppbv

Total VOC's:	56.10
Total TIC's:	0.00
Total VOC's and TIC's:	56.10

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Chemtech

Summary Sheet
SW-846

SDG No.: X5778 **Order ID:** X5778

Client: C.T. Male & Associates **Project ID:** CTMA01

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	**SV-2**							
X5778-02	SV-2	AIR	Dichlorodifluoromethane	0.4		0.1	0.031	ppbv
X5778-02	SV-2	AIR	Chloromethane	0.1	J	0.1	0.031	ppbv
X5778-02	SV-2	AIR	Trichlorofluoromethane	0.2		0.1	0.041	ppbv
X5778-02	SV-2	AIR	Isopropyl Alcohol	2.2		0.2	0.140	ppbv
X5778-02	SV-2	AIR	Propene	4.0		0.5	0.047	ppbv
X5778-02	SV-2	AIR	Heptane	1.0		0.1	0.028	ppbv
X5778-02	SV-2	AIR	Ethyl Acetate	20		0.1	0.022	ppbv
X5778-02	SV-2	AIR	Acetone	27	E	0.2	0.130	ppbv
X5778-02	SV-2	AIR	Carbon disulfide	0.3		0.1	0.022	ppbv
X5778-02	SV-2	AIR	Methylene Chloride	1.0		0.2	0.047	ppbv
X5778-02	SV-2	AIR	Cyclohexane	1.0		0.1	0.070	ppbv
X5778-02	SV-2	AIR	2-Butanone	1.1		0.2	0.070	ppbv
X5778-02	SV-2	AIR	Tetrahydrofuran	0.4		0.2	0.060	ppbv
X5778-02	SV-2	AIR	2,2,4-Trimethylpentane	0.5		0.1	0.026	ppbv
X5778-02	SV-2	AIR	Benzene	3.6		0.1	0.031	ppbv
X5778-02	SV-2	AIR	Toluene	14		0.1	0.054	ppbv
X5778-02	SV-2	AIR	Ethyl Benzene	0.9		0.1	0.034	ppbv
X5778-02	SV-2	AIR	m/p-Xylene	3.2		0.2	0.084	ppbv
X5778-02	SV-2	AIR	o-Xylene	0.7		0.1	0.050	ppbv
X5778-02	SV-2	AIR	Styrene	0.2		0.1	0.040	ppbv
X5778-02	SV-2	AIR	1,2,4-Trimethylbenzene	0.2		0.1	0.048	ppbv
X5778-02	SV-2	AIR	4-Ethyltoluene	0.3		0.1	0.036	ppbv
X5778-02	SV-2	AIR	Hexane	2.4		0.2	0.024	ppbv

Total VOC's:	84.70
Total TIC's:	0.00
Total VOC's and TIC's:	84.70

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Chemtech

Summary Sheet
SW-846

SDG No.: X5778 Order ID: X5778

Client: C.T. Male & Associates Project ID: CTMA01

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	**SV-2DL**							
X5778-02DL	SV-2DL	AIR	Isopropyl Alcohol	2.3	D	1.0	0.710	ppbv
X5778-02DL	SV-2DL	AIR	Propene	5.2	D	2.5	0.240	ppbv
X5778-02DL	SV-2DL	AIR	Heptane	1.0	D	0.5	0.140	ppbv
X5778-02DL	SV-2DL	AIR	Ethyl Acetate	16	D	0.5	0.110	ppbv
X5778-02DL	SV-2DL	AIR	Acetone	22	D	1.0	0.630	ppbv
X5778-02DL	SV-2DL	AIR	Methylene Chloride	1.2	D	1.0	0.240	ppbv
X5778-02DL	SV-2DL	AIR	Cyclohexane	1.2	D	0.5	0.350	ppbv
X5778-02DL	SV-2DL	AIR	2-Butanone	1.3	D	1.0	0.350	ppbv
X5778-02DL	SV-2DL	AIR	Benzene	4.0	D	0.5	0.160	ppbv
X5778-02DL	SV-2DL	AIR	Toluene	12	D	0.5	0.270	ppbv
X5778-02DL	SV-2DL	AIR	Ethyl Benzene	0.6	D	0.5	0.170	ppbv
X5778-02DL	SV-2DL	AIR	m/p-Xylene	2.0	D	1.0	0.420	ppbv
X5778-02DL	SV-2DL	AIR	Hexane	2.6	D	1.0	0.120	ppbv
			Total VOC's:	71.40				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	71.40				
Client ID:	**SV-3**							
X5778-03	SV-3	AIR	Dichlorodifluoromethane	0.4		0.1	0.031	ppbv
X5778-03	SV-3	AIR	Chloromethane	0.3		0.1	0.031	ppbv
X5778-03	SV-3	AIR	Trichlorofluoromethane	0.2		0.1	0.041	ppbv
X5778-03	SV-3	AIR	Isopropyl Alcohol	2.4		0.2	0.140	ppbv
X5778-03	SV-3	AIR	Heptane	0.3		0.1	0.028	ppbv
X5778-03	SV-3	AIR	Ethyl Acetate	62	E	0.1	0.022	ppbv
X5778-03	SV-3	AIR	Acetone	13		0.2	0.130	ppbv
X5778-03	SV-3	AIR	Methylene Chloride	1.6		0.2	0.047	ppbv
X5778-03	SV-3	AIR	Cyclohexane	0.6		0.1	0.070	ppbv
X5778-03	SV-3	AIR	Tetrahydrofuran	0.2	J	0.2	0.060	ppbv
X5778-03	SV-3	AIR	2,2,4-Trimethylpentane	0.2		0.1	0.026	ppbv
X5778-03	SV-3	AIR	Benzene	2.2		0.1	0.031	ppbv
X5778-03	SV-3	AIR	Toluene	4.1		0.1	0.054	ppbv
X5778-03	SV-3	AIR	Hexane	1.7		0.2	0.024	ppbv
			Total VOC's:	89.20				
			Total TIC's:	0.00				
			Total VOC's and TIC's:	89.20				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

Chemtech

Summary Sheet
SW-846

SDG No.: X5778 **Order ID:** X5778

Client: C.T. Male & Associates **Project ID:** CTMA01

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	**SV-3DL**							
X5778-03DL	SV-3DL	AIR	Ethyl Acetate	58	D	1.0	0.220	ppbv
X5778-03DL	SV-3DL	AIR	Methylene Chloride	2.8	D	2.0	0.470	ppbv
X5778-03DL	SV-3DL	AIR	Benzene	3.5	D	1.0	0.310	ppbv
X5778-03DL	SV-3DL	AIR	Toluene	4.1	D	1.0	0.540	ppbv
X5778-03DL	SV-3DL	AIR	Hexane	2.7	D	2.0	0.240	ppbv

Total VOC's:	71.10
Total TIC's:	0.00
Total VOC's and TIC's:	71.10

CHEMTECH 284 Sheffield Street • Mountainside, NJ 07092 Phone: 908.789.8900 Fax: 908.789.8922

DATA PACKAGE FOR VOLATILE ORGANICS

PROJECT NAME: soil Gas- 714 Broadway

C.T. MALE & ASSOCIATES
50 CENTURY HILL DRIVE
PO BOX 727
LATHAM, NY 12110
5187867400

CHEMTECH PROJECT NO. **X5778**
ATTENTION: **Liz Rovers**

CHEMTECH

CASE NARRATIVE

C.T. Male & Associates
Project Name: soil Gas- 714 Broadway
Project # N/A
Chemtech Project # X5778

A. Number of Samples and Date of Receipt:
3 Air samples were received on 12/13/06.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: TO-15. This data package contains results for TO-15.

C. Analytical Techniques:
The analysis performed on instrument MSVOA L were done using GC column RTX-1, which is 60 meters, 0.32 ID, 1.0 um df, Restek Cat. #10157. The Trap was supplied by Entech, glass bead and Tenax , Entech 7100A Preconcentrator.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds except for Propene, Vinyl Acetate, t-1,3-Dichloropropene, m/p-Xylene, o-Xylene, Styrene, 1,3,5-Trimethylbenzene, 1,2,4-Trimethylbenzene, Hexachloro-1,3-Butadiene and 1,2,4-Trichlorobenzene.
The MSD recoveries met the acceptable requirements except for Propene, Trichlorofluoromethane, 1,3-Butadiene, Isopropyl Alcohol, 1,4-Dioxane, 4-Methyl-2-Pentanone, 2-Hexanone, Styrene, Hexachloro-1,3-Butadiene and 1,2,4-Trichlorobenzene.
The RPD recoveries met criteria except for Dichlorodifluoromethane, Dichlorotetrafluoroethane, Propene, Trichlorofluoromethane, Isopropyl Alcohol, Bromomethane, Acetone, 1,1-Dichloroethene, Hexane, 1,4-Dioxane, 4-Methyl-2-Pentanone, 2-Hexanone, Hexachloro-1,3-Butadiene and 1,2,4-Trichlorobenzene.
The Blank Spike met requirements for all samples except for Dichlorodifluoromethane, t-1,3-Dichloropropene and Styrene.
The Blank analysis indicated presence of Hexachloro-1,3-Butadiene (0.1 ppbv) due to possible lab contamination.
The %RSD is greater than 30 for Styrene and Linear Regression was performed for Benzyl Chloride , 4-Ethyltoluene and 1,2,4-Trichlorobenzene in the Initial Calibration.
The Tuning criteria met requirements.

E. Additional Comments:
Samples SV-2 and SV-3 were diluted due to high concentrations.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature Mildred V Reyes Name: Mildred Reyes

Date: 1/5/07 Title: QA/QC

CHEMTECH

284 Sheffield Street, Mountainside NJ 07092
Tel: 908-789-8900 Fax 908-789-8922

COVER PAGE

ProjectID: soil Gas- 714 Broadway

OrderID: X5778 **CustomerName:** C.T. Male & Associates

LAB SAMPLE NO.	CLIENT SAMPLE NO
X5778-01	SV-1
X5778-02	SV-2
X5778-03	SV-3

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature: Hildred D Vreys Name: Hildred D Vreys

Date: 1/5/07 Title: QA/QC

NYDOH CERTIFICATION NO.11376

NJDEP CERTIFICATION NO. 20012

CHEMTECH

284 Sheffield Street Mountainside NJ 07092
Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.

VOLATILES

DATA

VOLATILES QC DATA

Surrogate Summary
SW-846

SDG No.: X5778
Client: C.T. Male & Associates

Analytical Method: EPA SW846 TO-15

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
BSL1218A1	BSL1218A1	1-Bromo-4-Fluorobenzene	2.5	2.7	108		65.00	135.00
VBL1218A1	VBL1218A1	1-Bromo-4-Fluorobenzene	2.5	1.97	79		65.00	135.00
X5778-01	SV-1	1-Bromo-4-Fluorobenzene	2.5	2.29	92		65.00	135.00
X5778-02	SV-2	1-Bromo-4-Fluorobenzene	2.5	2.35	94		65.00	135.00
X5778-02DL	SV-2DL	1-Bromo-4-Fluorobenzene	2.5	1.92	77		65.00	135.00
X5778-03	SV-3	1-Bromo-4-Fluorobenzene	2.5	2.1	84		65.00	135.00
X5778-03DL	SV-3DL	1-Bromo-4-Fluorobenzene	2.5	1.84	74		65.00	135.00
X5886-03MS	ZZZZZMS	1-Bromo-4-Fluorobenzene	2.5	2.84	114		65.00	135.00
X5886-03MSD	ZZZZZMSD	1-Bromo-4-Fluorobenzene	2.5	2.34	94		65.00	135.00

Chemtech

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: X5778

Client: C.T. Male & Associates

Analytical Method: EPA SW846 TO-15

Lab Sample ID	Parameter	Spike	Sample Result	Result	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**ZZZZZMS**									
X5886-03MS	Dichlorodifluoromethane	5.0	0.4	4.1	74			65	135	
	Chloromethane	5.0	0.4	4.4	80			65	135	
	Vinyl Chloride	5.0	0.0	4.2	84			65	135	
	Bromomethane	5.0	0.0	4.2	84			65	135	
	Chloroethane	5.0	0.0	4.3	86			65	135	
	Dichlorotetrafluoethane	5.0	0.0	4.1	82			65	135	
	Propene	5.0	8.6	11	48		*	65	135	
	Heptane	5.0	0.3	4.8	90			65	135	
	Trichlorofluoromethane	5.0	3.0	6.5	70			65	135	
	1,1,2-Trichlorotrifluoroethane	5.0	0.0	4.0	80			65	135	
	Bromoethene	5.0	0.0	3.7	74			65	135	
	Acetone	5.0	7.3	13	114			65	135	
	1,3-Butadiene	5.0	0.0	5.1	102			65	135	
	1,1-Dichloroethene	5.0	0.0	3.8	76			65	135	
	Isopropyl Alcohol	5.0	0.7	4.8	82			65	135	
	Methylene Chloride	5.0	1.1	5.5	88			65	135	
	Allyl Chloride	5.0	0.0	4.3	86			65	135	
	trans-1,2-Dichloroethene	5.0	0.0	3.9	78			65	135	
	Vinyl Acetate	5.0	0.6	8.2	152		*	65	135	
	1,1-Dichloroethane	5.0	0.0	4.5	90			65	135	
	Ethyl Acetate	5.0	8.0	13	100			65	135	
	Hexane	5.0	1.5	5.6	82			65	135	
	Carbon disulfide	5.0	0.0	3.9	78			65	135	
	Methyl tert-butyl Ether	5.0	0.0	5.6	112			65	135	
	Chloroform	5.0	0.0	4.4	88			65	135	
	Cyclohexane	5.0	0.2	3.5	66			65	135	
	cis-1,2-Dichloroethene	5.0	0.0	4.6	92			65	135	
	1,1,1-Trichloroethane	5.0	0.0	4.4	88			65	135	
	2-Butanone	5.0	0.6	5.5	98			65	135	
	Carbon Tetrachloride	5.0	0.0	4.2	84			65	135	
	Benzene	5.0	1.3	5.8	90			65	135	
	1,2-Dichloroethane	5.0	0.0	5.0	100			65	135	
	Trichloroethene	5.0	0.3	4.8	90			65	135	
	1,2-Dichloropropane	5.0	0.0	5.1	102			65	135	
	1,4-Dioxane	5.0	0.0	4.2	84			65	135	
	Tetrahydrofuran	5.0	0.0	5.3	106			65	135	
	Bromodichloromethane	5.0	0.0	4.7	94			65	135	
	2,2,4-Trimethylpentane	5.0	0.2	4.7	90			65	135	
	t-1,3-Dichloropropene	5.0	0.0	7.3	146		*	65	135	
	cis-1,3-Dichloropropene	5.0	0.0	5.8	116			65	135	
	1,1,2-Trichloroethane	5.0	0.0	5.8	116			65	1	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: X5778

Client: C.T. Male & Associates

Analytical Method: EPA SW846 TO-15

Lab Sample ID	Parameter	Spike	Sample Result	Result	Rec	RPD	Qual	Limits Low	Limits High	RPD
Client Sample ID:	**ZZZZZMS**									
X5886-03MS	Dibromochloromethane	5.0	0.0	5.4	108			65	135	
	Bromoform	5.0	0.0	5.9	118			65	135	
	4-Methyl-2-Pentanone	5.0	0.0	4.9	98			65	135	
	2-Hexanone	5.0	0.0	4.6	92			65	135	
	Tetrachloroethene	5.0	0.2	5.2	100			65	135	
	Toluene	5.0	2.9	9.3	128			65	135	
	1,2-Dibromoethane	5.0	0.0	5.9	118			65	135	
	Chlorobenzene	5.0	0.0	5.4	108			65	135	
	Ethyl Benzene	5.0	0.3	6.9	132			65	135	
	m/p-Xylene	10	0.9	15	141		*	65	135	
	o-Xylene	5.0	0.3	7.2	138		*	65	135	
	Styrene	5.0	0.0	8.0	160		*	65	135	
	1,1,2,2-Tetrachloroethane	5.0	0.0	5.9	118			65	135	
	Benzyl Chloride	5.0	0.0	6.4	128			65	135	
	4-Ethyltoluene	5.0	0.3	5.8	110			65	135	
	1,3,5-Trimethylbenzene	5.0	0.1	7.0	138		*	65	135	
	1,2,4-Trimethylbenzene	5.0	0.3	7.6	146		*	65	135	
	1,3-Dichlorobenzene	5.0	0.0	6.3	126			65	135	
	1,4-Dichlorobenzene	5.0	0.0	6.4	128			65	135	
	1,2-Dichlorobenzene	5.0	0.0	6.0	120			65	135	
	Hexachloro-1,3-butadiene	5.0	0.0	2.8	56		*	65	135	
	1,2,4-Trichlorobenzene	5.0	0.0	3.2	64		*	65	135	

Chemtech

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: X5778

Client: C.T. Male & Associates

Analytical Method: EPA SW846 TO-15

Lab Sample ID	Parameter	Spike	Sample Result	Result	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**ZZZZZMSD**									
X5886-03MSD	Dichlorodifluoromethane	5.0	0.4	6.8	128	53	*	65	135	35
	Chloromethane	5.0	0.4	6.0	112	33		65	135	35
	Vinyl Chloride	5.0	0.0	5.9	118	34		65	135	35
	Bromomethane	5.0	0.0	5.7	114	30		65	135	35
	Chloroethane	5.0	0.0	6.0	120	33		65	135	35
	Dichlorotetrafluoethane	5.0	0.0	5.9	118	36	*	65	135	35
	Propene	5.0	8.6	16	148	102	* *	65	135	35
	Heptane	5.0	0.3	5.6	106	16		65	135	35
	Trichlorofluoromethane	5.0	3.0	9.8	136	64	* *	65	135	35
	1,1,2-Trichlorotrifluoroethane	5.0	0.0	5.5	110	32		65	135	35
	Bromoethene	5.0	0.0	5.5	110	39	*	65	135	35
	Acetone	5.0	7.3	11	74	43	*	65	135	35
	1,3-Butadiene	5.0	0.0	7.3	146	35	*	65	135	35
	1,1-Dichloroethene	5.0	0.0	5.6	112	38	*	65	135	35
	Isopropyl Alcohol	5.0	0.7	1.1	8	164	* *	65	135	35
	Methylene Chloride	5.0	1.1	7.1	120	31		65	135	35
	Allyl Chloride	5.0	0.0	5.8	116	30		65	135	35
	trans-1,2-Dichloroethene	5.0	0.0	5.2	104	29		65	135	35
	Vinyl Acetate	5.0	0.6	6.5	118	25		65	135	35
	1,1-Dichloroethane	5.0	0.0	5.5	110	20		65	135	35
	Ethyl Acetate	5.0	8.0	12	80	22		65	135	35
	Hexane	5.0	1.5	7.4	118	36	*	65	135	35
	Carbon disulfide	5.0	0.0	5.4	108	32		65	135	35
	Methyl tert-butyl Ether	5.0	0.0	4.4	88	24		65	135	35
	Chloroform	5.0	0.0	5.2	104	17		65	135	35
	Cyclohexane	5.0	0.2	4.6	88	29		65	135	35
	cis-1,2-Dichloroethene	5.0	0.0	5.6	112	20		65	135	35
	1,1,1-Trichloroethane	5.0	0.0	5.3	106	19		65	135	35
	2-Butanone	5.0	0.6	4.5	78	23		65	135	35
	Carbon Tetrachloride	5.0	0.0	5.2	104	21		65	135	35
	Benzene	5.0	1.3	6.9	112	22		65	135	35
	1,2-Dichloroethane	5.0	0.0	5.4	108	8		65	135	35
	Trichloroethene	5.0	0.3	5.6	106	16		65	135	35
	1,2-Dichloropropane	5.0	0.0	5.5	110	8		65	135	35
	1,4-Dioxane	5.0	0.0	2.8	56	40	* *	65	135	35
	Tetrahydrofuran	5.0	0.0	4.3	86	21		65	135	35
	Bromodichloromethane	5.0	0.0	4.8	96	2		65	135	35
	2,2,4-Trimethylpentane	5.0	0.2	5.3	102	13		65	135	35
	t-1,3-Dichloropropene	5.0	0.0	6.7	134	9		65	135	35
	cis-1,3-Dichloropropene	5.0	0.0	5.8	116	0		65	135	35
	1,1,2-Trichloroethane	5.0	0.0	5.2	104	11		65		

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: X5778

Client: C.T. Male & Associates

Analytical Method: EPA SW846 TO-15

Lab Sample ID	Parameter	Spike	Sample Result	Result	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**ZZZZZMSD**									
X5886-03MSD	Dibromochloromethane	5.0	0.0	4.9	98	10		65	135	35
	Bromoform	5.0	0.0	4.9	98	19		65	135	35
	4-Methyl-2-Pentanone	5.0	0.0	3.1	62	45	* *	65	135	35
	2-Hexanone	5.0	0.0	1.9	38	83	* *	65	135	35
	Tetrachloroethene	5.0	0.2	5.1	98	2		65	135	35
	Toluene	5.0	2.9	9.3	128	0		65	135	35
	1,2-Dibromoethane	5.0	0.0	5.4	108	9		65	135	35
	Chlorobenzene	5.0	0.0	5.6	112	4		65	135	35
	Ethyl Benzene	5.0	0.3	6.4	122	8		65	135	35
	m/p-Xylene	10	0.9	13	121	15		65	135	35
	o-Xylene	5.0	0.3	6.2	118	16		65	135	35
	Styrene	5.0	0.0	7.1	142	12	*	65	135	35
	1,1,2,2-Tetrachloroethane	5.0	0.0	4.8	96	21		65	135	35
	Benzyl Chloride	5.0	0.0	5.1	102	23		65	135	35
	4-Ethyltoluene	5.0	0.3	4.8	90	20		65	135	35
	1,3,5-Trimethylbenzene	5.0	0.1	5.7	112	21		65	135	35
	1,2,4-Trimethylbenzene	5.0	0.3	6.1	116	23		65	135	35
	1,3-Dichlorobenzene	5.0	0.0	4.9	98	25		65	135	35
	1,4-Dichlorobenzene	5.0	0.0	5.1	102	23		65	135	35
	1,2-Dichlorobenzene	5.0	0.0	4.2	84	35		65	135	35
	Hexachloro-1,3-butadiene	5.0	0.0	1.3	26	73	* *	65	135	35
	1,2,4-Trichlorobenzene	5.0	0.0	1.9	38	51	* *	65	135	35

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: X5778

Client: C.T. Male & Associates

Analytical Method: EPA SW846 TO-15

Lab Sample ID	Parameter	Spike	Result	Rec	RPD	Qual	Limits Low	Limits High	RPD
BSL1218A1	Dichlorodifluoromethane	5.0	6.8	136		*	65	135	
	Chloromethane	5.0	6.2	124			65	135	
	Vinyl Chloride	5.0	6.3	126			65	135	
	Bromomethane	5.0	6.1	122			65	135	
	Chloroethane	5.0	6.0	120			65	135	
	Dichlorotetrafluoethane	5.0	6.3	126			65	135	
	Propene	5.0	5.8	116			65	135	
	Heptane	5.0	5.4	108			65	135	
	Trichlorofluoromethane	5.0	6.3	126			65	135	
	1,1,2-Trichlorotrifluoroethane	5.0	5.8	116			65	135	
	Bromoethene	5.0	5.8	116			65	135	
	Acetone	5.0	4.1	82			65	135	
	1,3-Butadiene	5.0	5.2	104			65	135	
	1,1-Dichloroethene	5.0	5.9	118			65	135	
	Isopropyl Alcohol	5.0	3.7	74			65	135	
	Methylene Chloride	5.0	5.4	108			65	135	
	Allyl Chloride	5.0	5.7	114			65	135	
	trans-1,2-Dichloroethene	5.0	5.3	106			65	135	
	Vinyl Acetate	5.0	5.5	110			65	135	
	1,1-Dichloroethane	5.0	5.6	112			65	135	
	Ethyl Acetate	5.0	4.9	98			65	135	
	Hexane	5.0	5.6	112			65	135	
	Carbon disulfide	5.0	5.8	116			65	135	
	Methyl tert-butyl Ether	5.0	4.6	92			65	135	
	Chloroform	5.0	5.2	104			65	135	
	Cyclohexane	5.0	4.8	96			65	135	
	cis-1,2-Dichloroethene	5.0	5.5	110			65	135	
	1,1,1-Trichloroethane	5.0	5.5	110			65	135	
	2-Butanone	5.0	4.6	92			65	135	
	Carbon Tetrachloride	5.0	6.1	122			65	135	
	Benzene	5.0	5.7	114			65	135	
	1,2-Dichloroethane	5.0	5.7	114			65	135	
	Trichloroethene	5.0	5.9	118			65	135	
	1,2-Dichloropropane	5.0	5.4	108			65	135	
	1,4-Dioxane	5.0	4.3	86			65	135	
	Tetrahydrofuran	5.0	4.9	98			65	135	
	Bromodichloromethane	5.0	5.3	106			65	135	
	2,2,4-Trimethylpentane	5.0	5.7	114			65	135	
	t-1,3-Dichloropropene	5.0	7.1	142		*	65	135	
	cis-1,3-Dichloropropene	5.0	6.0	120			65	135	
	1,1,2-Trichloroethane	5.0	5.3	106			65	1[illegible]	
	Dibromochloromethane	5.0	5.3	106			65	1	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: X5778

Client: C.T. Male & Associates

Analytical Method: EPA SW846 TO-15

Lab Sample ID	Parameter	Spike	Result	Rec	RPD	Qual	Limits Low	Limits High	RPD
BSL1218A1	Bromoform	5.0	5.3	106			65	135	
	4-Methyl-2-Pentanone	5.0	4.6	92			65	135	
	2-Hexanone	5.0	4.7	94			65	135	
	Tetrachloroethene	5.0	5.5	110			65	135	
	Toluene	5.0	5.8	116			65	135	
	1,2-Dibromoethane	5.0	5.8	116			65	135	
	Chlorobenzene	5.0	5.4	108			65	135	
	Ethyl Benzene	5.0	6.1	122			65	135	
	m/p-Xylene	10	12	120			65	135	
	o-Xylene	5.0	6.2	124			65	135	
	Styrene	5.0	7.4	148		*	65	135	
	1,1,2,2-Tetrachloroethane	5.0	5.5	110			65	135	
	Benzyl Chloride	5.0	6.6	132			65	135	
	4-Ethyltoluene	5.0	5.3	106			65	135	
	1,3,5-Trimethylbenzene	5.0	6.3	126			65	135	
	1,2,4-Trimethylbenzene	5.0	6.6	132			65	135	
	1,3-Dichlorobenzene	5.0	6.0	120			65	135	
	1,4-Dichlorobenzene	5.0	6.0	120			65	135	
	1,2-Dichlorobenzene	5.0	5.6	112			65	135	
	Hexachloro-1,3-butadiene	5.0	3.3	66			65	135	
	1,2,4-Trichlorobenzene	5.0	3.5	70			65	135	

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.
VBL1218A1

Lab Name: Chemtech Contract: CTMA01

Lab Code: CHEM Case No.: X5778 SAS No.: X5778 SDG NO.: X5778

Lab File ID: VL121814.D Lab Sample ID: VBL1218A1

Date Analyzed: 12/18/2006 Time Analyzed: 21:06

GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOAL

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
BSL1218A1	BSL1218A1	VL121817.D	23:00
SV-1	X5778-01	VL121821.D	01:44
SV-2	X5778-02	VL121823.D	03:02
SV-2DL	X5778-02DL	VL121824.D	03:40
SV-3	X5778-03	VL121825.D	04:20
SV-3DL	X5778-03DL	VL121826.D	04:56
ZZZZZMS	X5886-03MS	VL121837.D	11:54
ZZZZZMSD	X5886-03MSD	VL121838.D	12:33

COMMENTS:

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Client:	**C.T. Male & Associates**	**Analytical Method:**	**EPA TO-15**
Project:	**soil Gas- 714 Broadway**	**SDG No.:**	**X5778**

Lab File ID	VL121804.D	BFB Injection Date:	12/18/2006
Instrument ID:	MSVOAL	BFB Injection Time:	13:09
GC Column: RTX-1	ID: 0.32 (mm)	Heated Purge: Y/N	N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	16.8
75	30.0 - 66.0% of mass 95	49.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.4 (0.5) 1
174	50.0 - 120.0% of mass 95	90.9
175	4.0 - 9.0% of mass 174	6.8 (7.4) 1
176	93.0 - 101.0% of mass 174	87.8 (96.5) 1
177	5.0 - 9.0% of mass 176	5.7 (6.5 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
0.2ppb ICAL	0.2ppb ICAL	VL121807.D	12/18/200	14:52
0.5ppb ICAL	0.5ppb ICAL	VL121808A.D	12/18/200	16:07
0.1ppb ICAL	0.1ppb ICAL	VL121808C.D	12/18/200	17:22
1.0ppb ICAL	1.0ppb ICAL	VL121809.D	12/18/200	17:59
2.0ppb ICAL	2.0ppb ICAL	VL121810.D	12/18/200	18:36
5.0ppb ICAL	5.0ppb ICAL	VL121811.D	12/18/200	19:13
10.0ppb ICAL	10.0ppb ICAL	VL121812.D	12/18/200	19:51
20.0ppb ICAL	20.0ppb ICAL	VL121813.D	12/18/200	20:28
VBL1218A1	VBL1218A1	VL121814.D	12/18/200	21:06
BSL1218A1	BSL1218A1	VL121817.D	12/18/200	23:00
SV-1	X5778-01	VL121821.D	12/19/200	01:44
SV-2	X5778-02	VL121823.D	12/19/200	03:02
SV-2DL	X5778-02DL	VL121824.D	12/19/200	03:40
SV-3	X5778-03	VL121825.D	12/19/200	04:20
SV-3DL	X5778-03DL	VL121826.D	12/19/200	04:56
ZZZZZMS	X5886-03MS	VL121837.D	12/19/200	11:54
ZZZZZMSD	X5886-03MSD	VL121838.D	12/19/200	12:33

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Chemtech Contract CTMA01

Lab Code: CHEM Case No.: X5778 SAS No.: X5778 SDG No.: X5778

Lab File ID: VL121811.D Date Analyzed: 12/18/2006

Instrument ID: MSVOAL Time Analyzed: 19:13

GC Column: RTX-1 ID: 0.3 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT#	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	147964	7.01	380447	8.62	317159	13.68
UPPER LIMIT	207150	7.51	532626	9.12	444023	14.18
LOWER LIMIT	88778	6.51	228268	8.12	190295	13.18
SAMPLE NO.						
VBL1218A1	158208	7.01	336700	8.62	263440	13.69
BSL1218A1	167153	7.01	384917	8.62	309604	13.68
SV-1	142307	7.01	331808	8.61	275198	13.68
SV-2	131232	7.01	301065	8.61	287490	13.68
SV-2DL	120825	7.01	252067	8.61	219107	13.69
SV-3	150101	7.01	380490	8.62	327756	13.68
SV-3DL	149460	7.01	307881	8.62	213449	13.68
ZZZZZMS	140179	7.01	346616	8.62	309709	13.68
ZZZZZMSD	183574	7.01	461998	8.62	351711	13.68

IS1 = Bromochloromethane

IS2 = 1,4-Difluorobenzene

IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +40% of internal standard area

AREA LOWER LIMIT = -40% 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.

VOLATILES SAMPLE DATA

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-1**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-01**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121821.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
TARGETS					
75-71-8	Dichlorodifluoromethane	1.68		0.49	0.15
74-87-3	Chloromethane	0.29		0.2	0.06
75-01-4	Vinyl Chloride	0.26	U	0.26	0.08
74-83-9	Bromomethane	0.39	U	0.39	0.09
75-00-3	Chloroethane	0.27	U	0.27	0.06
75-69-4	Trichlorofluoromethane	1.01		0.56	0.23
67-63-0	Isopropyl Alcohol	3.8		0.49	0.34
76-14-2	Dichlorotetrafluoethane	0.7	U	0.7	0.2
76-13-1	1,1,2-Trichlorotrifluoroethane	0.76	U	0.76	0.18
593-60-2	Bromoethene	0.44	U	0.44	0.18
115-07-1	Propene	2.3		0.86	0.08
142-82-5	Heptane	3.35		0.41	0.11
75-35-4	1,1-Dichloroethene	0.4	U	0.4	0.13
141-78-6	Ethyl Acetate	22.9		0.36	0.08
67-64-1	Acetone	44.1		0.47	0.31
75-15-0	Carbon disulfide	0.81		0.31	0.07
1634-04-4	Methyl tert-butyl Ether	0.36	U	0.36	0.15
75-09-2	Methylene Chloride	3.27		0.7	0.16
107-05-1	Allyl Chloride	0.31	U	0.31	0.08
156-60-5	trans-1,2-Dichloroethene	0.4	U	0.4	0.15
108-05-4	Vinyl Acetate	0.35	U	0.35	0.09
75-34-3	1,1-Dichloroethane	0.4	U	0.4	0.12
110-82-7	Cyclohexane	2.45		0.34	0.23
78-93-3	2-Butanone	2.09		0.59	0.21
56-23-5	Carbon Tetrachloride	0.63	U	0.63	0.38
156-59-2	cis-1,2-Dichloroethene	0.4	U	0.4	0.17
67-66-3	Chloroform	0.49	U	0.49	0.11
123-91-1	1,4-Dioxane	0.72	U	0.72	0.19
71-55-6	1,1,1-Trichloroethane	0.54	U	0.54	0.15
109-99-9	Tetrahydrofuran	2.44		0.59	0.18
540-84-1	2,2,4-Trimethylpentane	1.54		0.47	0.12

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-1**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-01**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121821.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
71-43-2	Benzene	9.06		0.32	0.1
107-06-2	1,2-Dichloroethane	0.4	U	0.4	0.26
79-01-6	Trichloroethene	0.54	U	0.54	0.21
78-87-5	1,2-Dichloropropane	0.46	U	0.46	0.25
75-27-4	Bromodichloromethane	0.67	U	0.67	0.23
108-10-1	4-Methyl-2-Pentanone	0.82	U	0.82	0.25
108-88-3	Toluene	39.6		0.38	0.2
10061-02-6	t-1,3-Dichloropropene	0.45	U	0.45	0.21
10061-01-5	cis-1,3-Dichloropropene	0.45	U	0.45	0.11
79-00-5	1,1,2-Trichloroethane	0.54	U	0.54	0.23
591-78-6	2-Hexanone	0.82	U	0.82	0.16
124-48-1	Dibromochloromethane	0.85	U	0.85	0.35
106-93-4	1,2-Dibromoethane	0.77	U	0.77	0.32
127-18-4	Tetrachloroethene	1.29		0.68	0.27
108-90-7	Chlorobenzene	0.46	U	0.46	0.22
100-41-4	Ethyl Benzene	3.69		0.43	0.15
126777-61-2	m/p-Xylene	15.9		0.87	0.36
95-47-6	o-Xylene	4.03		0.43	0.22
100-42-5	Styrene	1.23		0.43	0.17
75-25-2	Bromoform	1.03	U	1.03	0.36
79-34-5	1,1,2,2-Tetrachloroethane	0.69	U	0.69	0.32
108-67-8	1,3,5-Trimethylbenzene	0.79		0.49	0.27
95-63-6	1,2,4-Trimethylbenzene	1.87		0.49	0.24
622-96-8	4-Ethyltoluene	1.62		0.49	0.18
541-73-1	1,3-Dichlorobenzene	0.6	U	0.6	0.39
106-46-7	1,4-Dichlorobenzene	0.6	U	0.6	0.32
95-50-1	1,2-Dichlorobenzene	0.6	U	0.6	0.29
120-82-1	1,2,4-Trichlorobenzene	0.74	U	0.74	0.38
87-68-3	Hexachloro-1,3-butadiene	1.07	U	1.07	0.7
106-99-0	1,3-Butadiene	0.22	U	0.22	0.15
110-54-3	Hexane	7.21		0.7	0.08
100-44-7	Benzyl Chloride	0.58	U	0.58	0.2

U = Not Detected
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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-1**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-01**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121821.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
SURROGATES					
460-00-4	1-Bromo-4-Fluorobenzene	2.29	92 %	65 - 135	
INTERNAL STANDARDS					
74-97-5	Bromochloromethane	142307	7.01		
540-36-3	1,4-Difluorobenzene	331808	8.61		
3114-55-4	Chlorobenzene-d5	275198	13.68		

U = Not Detected
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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-1**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-01**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121821.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ppbv	Qualifier	RL ppbv	MDL ppbv
TARGETS					
75-71-8	Dichlorodifluoromethane	0.3		0.1	0.031
74-87-3	Chloromethane	0.1		0.1	0.031
75-01-4	Vinyl Chloride	0.1	U	0.1	0.031
74-83-9	Bromomethane	0.1	U	0.1	0.022
75-00-3	Chloroethane	0.1	U	0.1	0.024
75-69-4	Trichlorofluoromethane	0.2		0.1	0.041
67-63-0	Isopropyl Alcohol	1.6		0.2	0.140
76-14-2	Dichlorotetrafluoethane	0.1	U	0.1	0.028
76-13-1	1,1,2-Trichlorotrifluoroethane	0.1	U	0.1	0.024
593-60-2	Bromoethene	0.1	U	0.1	0.042
115-07-1	Propene	1.3		0.5	0.047
142-82-5	Heptane	0.8		0.1	0.028
75-35-4	1,1-Dichloroethene	0.1	U	0.1	0.034
141-78-6	Ethyl Acetate	6.4		0.1	0.022
67-64-1	Acetone	19		0.2	0.130
75-15-0	Carbon disulfide	0.3		0.1	0.022
1634-04-4	Methyl tert-butyl Ether	0.1	U	0.1	0.043
75-09-2	Methylene Chloride	0.9		0.2	0.047
107-05-1	Allyl Chloride	0.1	U	0.1	0.025
156-60-5	trans-1,2-Dichloroethene	0.1	U	0.1	0.038
108-05-4	Vinyl Acetate	0.1	U	0.1	0.025
75-34-3	1,1-Dichloroethane	0.1	U	0.1	0.030
110-82-7	Cyclohexane	0.7		0.1	0.070
78-93-3	2-Butanone	0.7		0.2	0.070
56-23-5	Carbon Tetrachloride	0.1	U	0.1	0.061
156-59-2	cis-1,2-Dichloroethene	0.1	U	0.1	0.043
67-66-3	Chloroform	0.1	U	0.1	0.022
123-91-1	1,4-Dioxane	0.2	U	0.2	0.054
71-55-6	1,1,1-Trichloroethane	0.1	U	0.1	0.028
109-99-9	Tetrahydrofuran	0.8		0.2	0.060
540-84-1	2,2,4-Trimethylpentane	0.3		0.1	0.026

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-1**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-01**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121821.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ppbv	Qualifier	RL ppbv	MDL ppbv
71-43-2	Benzene	2.8		0.1	0.031
107-06-2	1,2-Dichloroethane	0.1	U	0.1	0.065
79-01-6	Trichloroethene	0.1	U	0.1	0.040
78-87-5	1,2-Dichloropropane	0.1	U	0.1	0.054
75-27-4	Bromodichloromethane	0.1	U	0.1	0.035
108-10-1	4-Methyl-2-Pentanone	0.2	U	0.2	0.060
108-88-3	Toluene	11		0.1	0.054
10061-02-6	t-1,3-Dichloropropene	0.1	U	0.1	0.047
10061-01-5	cis-1,3-Dichloropropene	0.1	U	0.1	0.024
79-00-5	1,1,2-Trichloroethane	0.1	U	0.1	0.043
591-78-6	2-Hexanone	0.2	U	0.2	0.040
124-48-1	Dibromochloromethane	0.1	U	0.1	0.041
106-93-4	1,2-Dibromoethane	0.1	U	0.1	0.041
127-18-4	Tetrachloroethene	0.2		0.1	0.040
108-90-7	Chlorobenzene	0.1	U	0.1	0.047
100-41-4	Ethyl Benzene	0.9		0.1	0.034
126777-61-2	m/p-Xylene	3.7		0.2	0.084
95-47-6	o-Xylene	0.9		0.1	0.050
100-42-5	Styrene	0.3		0.1	0.040
75-25-2	Bromoform	0.1	U	0.1	0.035
79-34-5	1,1,2,2-Tetrachloroethane	0.1	U	0.1	0.047
108-67-8	1,3,5-Trimethylbenzene	0.2		0.1	0.054
95-63-6	1,2,4-Trimethylbenzene	0.4		0.1	0.048
622-96-8	4-Ethyltoluene	0.3		0.1	0.036
541-73-1	1,3-Dichlorobenzene	0.1	U	0.1	0.065
106-46-7	1,4-Dichlorobenzene	0.1	U	0.1	0.054
95-50-1	1,2-Dichlorobenzene	0.1	U	0.1	0.049
120-82-1	1,2,4-Trichlorobenzene	0.1	U	0.1	0.051
87-68-3	Hexachloro-1,3-butadiene	0.1	U	0.1	0.066
106-99-0	1,3-Butadiene	0.1	U	0.1	0.069
110-54-3	Hexane	2.0		0.2	0.024
100-44-7	Benzyl Chloride	0.1	U	0.1	0.035

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-1**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-01**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121821.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ppbv	Qualifier	RL ppbv	MDL ppbv
SURROGATES					
460-00-4	1-Bromo-4-Fluorobenzene	2.29	92 %	65 - 135	
INTERNAL STANDARDS					
74-97-5	Bromochloromethane	142307	7.01		
540-36-3	1,4-Difluorobenzene	331808	8.61		
3114-55-4	Chlorobenzene-d5	275198	13.68		

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

Quantitation Report (QT Reviewed)

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL121806\
Data File : VL121821.D
Acq On : 19 Dec 2006 1:44
Operator : LJC
Sample : X5778-01
Misc : 400ml
ALS Vial : 5 Sample Multiplier: 1

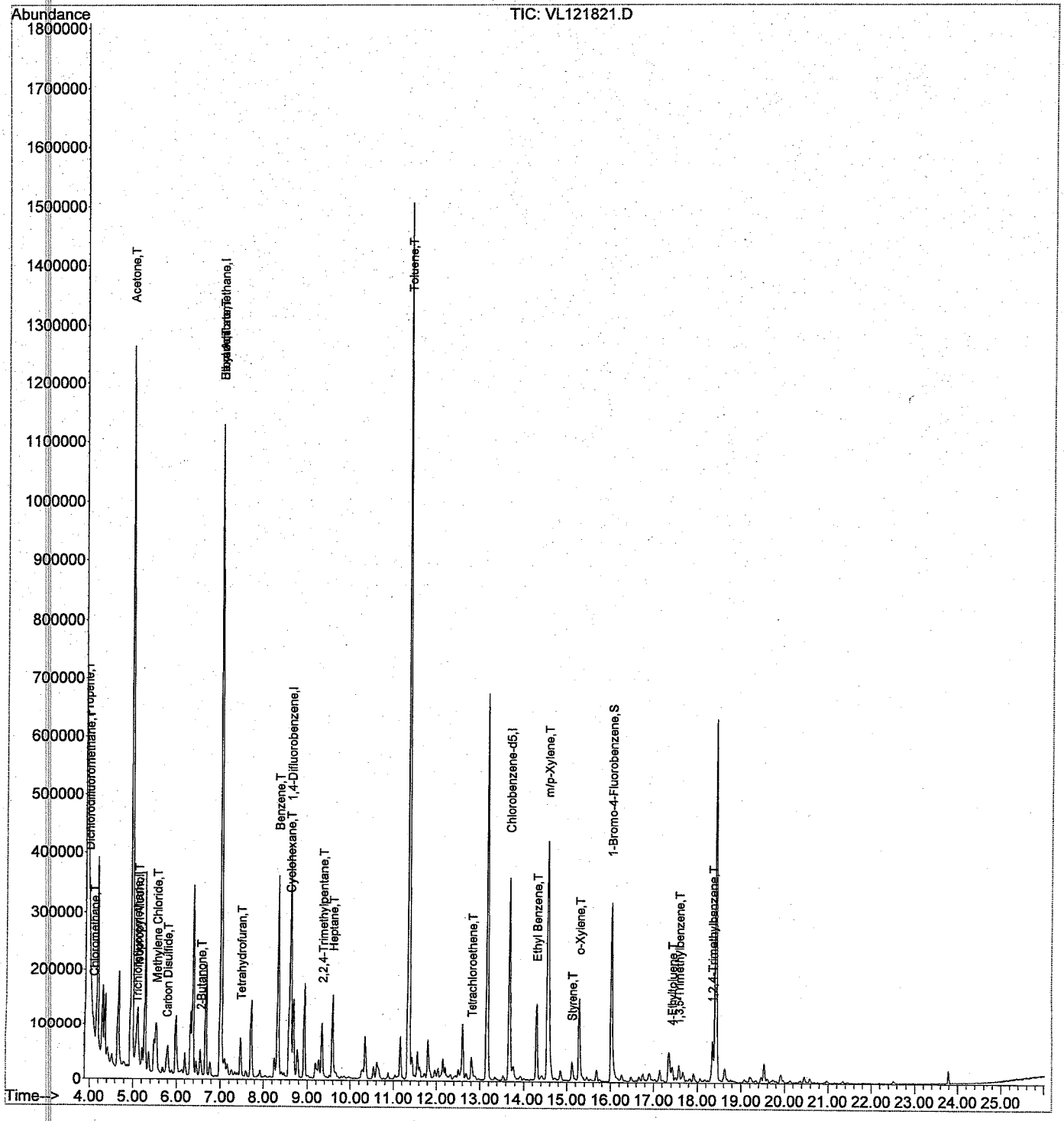
Quant Time: Dec 19 10:27:08 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 09:05:30 2006
QLast Update : Tue Dec 19 09:05:30 2006
Response via : Initial Calibration

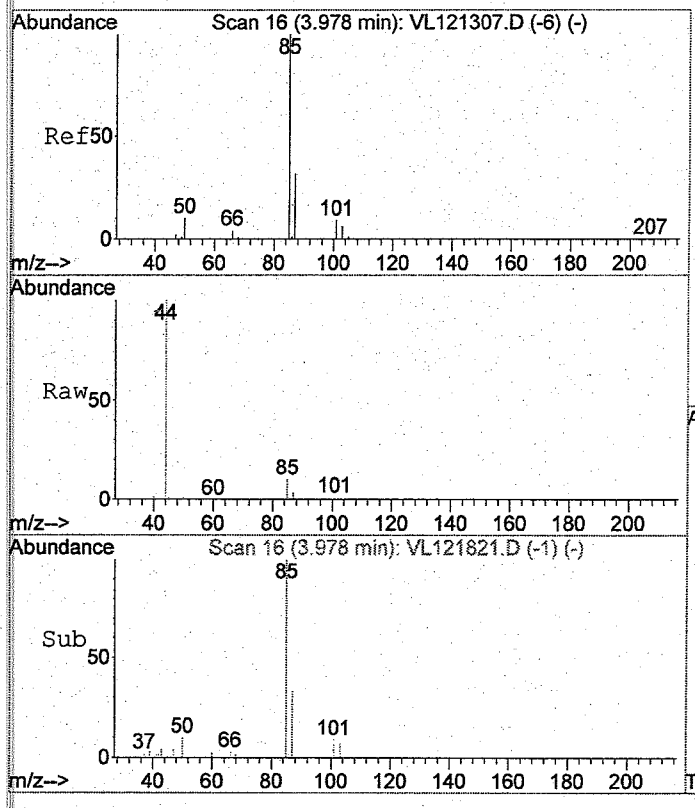
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	7.01	49	142307	2.50	ppbv		0.00
30) 1,4-Difluorobenzene	8.61	114	331808	2.50	ppbv		0.00
51) Chlorobenzene-d5	13.68	117	275198	2.50	ppbv		0.00
System Monitoring Compounds							
59) 1-Bromo-4-Fluorobenzene	16.02	95	177655	2.29	ppbv		0.00
Spiked Amount 2.500	Range 70 - 130		Recovery = 91.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.98	85	53490	0.34	ppbv		97
3) Chloromethane	4.09	50	6557	0.14	ppbv		97
8) Propene	3.94	41	60927	1.34	ppbv		95
9) Heptane	9.59	43	73972	0.82	ppbv		86
10) Trichlorofluoromethane	5.07	101	30053	0.18	ppbv		96
13) Acetone	4.96	58	406949	18.59	ppbv	#	51
16) Isopropyl Alcohol	5.11	45	141402	1.55	ppbv		99
17) Methylene Chloride	5.53	84	37460	0.94	ppbv	#	74
22) Ethyl Acetate	7.00	43	1013687	6.37	ppbv	#	96
23) Hexane	7.01	57	162076	2.05	ppbv	#	1
24) Carbon Disulfide	5.77	76	33778	0.26	ppbv	#	82
27) Cyclohexane	8.59	56	68256	0.73	ppbv	#	79
31) 2-Butanone	6.55	43	64624	0.71	ppbv	#	86
33) Benzene	8.33	78	357313	2.84	ppbv	#	95
38) Tetrahydrofuran	7.47	72	15396	0.83	ppbv	#	55
40) 2,2,4-Trimethylpentane	9.34	57	76942	0.33	ppbv	#	66
48) Tetrachloroethene	12.81	164	11934	0.19	ppbv		87
49) Toluene	11.35	91	1335896	10.53	ppbv		99
53) Ethyl Benzene	14.29	91	139245	0.85	ppbv		94
54) m/p-Xylene	14.55	91	492320	3.66	ppbv		91
55) o-Xylene	15.29	91	135556	0.93	ppbv		93
56) Styrene	15.12	104	20868	0.29	ppbv	#	87
60) 4-Ethyltoluene	17.42	105	26711	0.33	ppbv		96
61) 1,3,5-Trimethylbenzene	17.58	105	24661	0.16	ppbv		91
62) 1,2,4-Trimethylbenzene	18.35	105	55323	0.38	ppbv		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL121806\
Data File : VL121821.D
Acq On : 19 Dec 2006 1:44
Operator : LJC
Sample : X5778-01
Misc : 400ml
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 19 10:27:08 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 09:05:30 2006
QLast Update : Tue Dec 19 09:05:30 2006
Response via : Initial Calibration

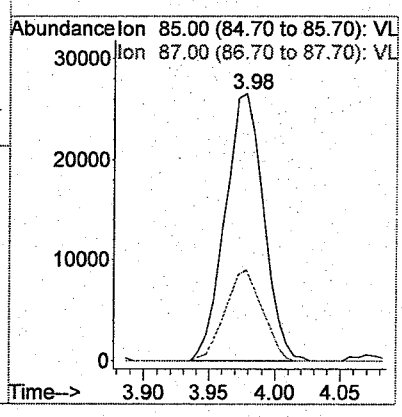


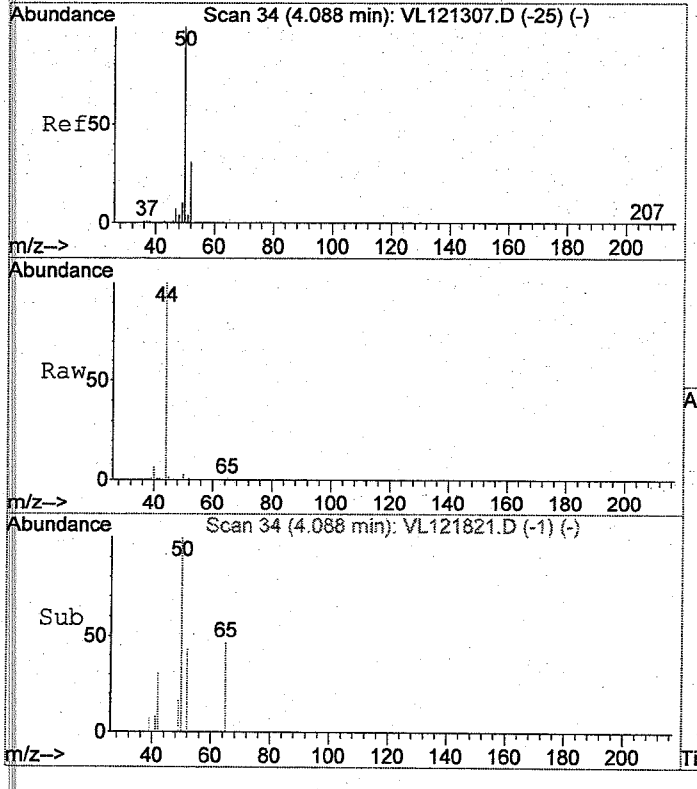


#2
Dichlorodifluoromethane
Concen: 0.34 ppbv
RT: 3.98 min Scan# 16
Delta R.T. 0.00 min
Lab File: VL121821.D
Acq: 19 Dec 2006 1:44

Tgt Ion: 85 Resp: 53490

Ion	Ratio	Lower	Upper
85	100		
87	33.9	12.1	52.1

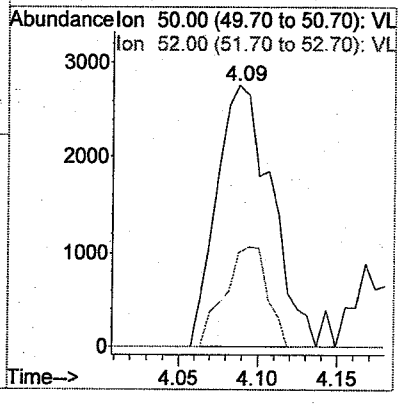


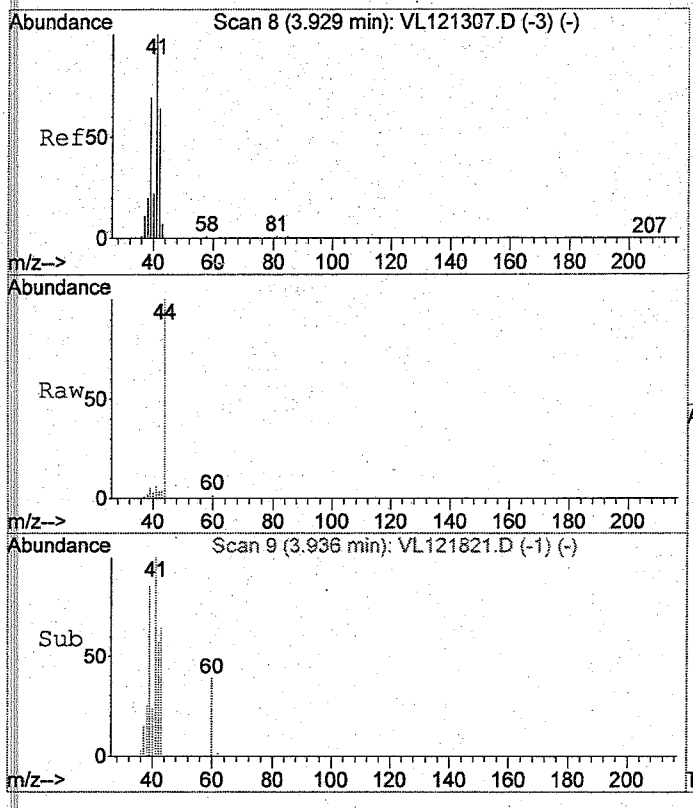


#3
Chloromethane
Concen: 0.14 ppbv
RT: 4.09 min Scan# 34
Delta R.T. 0.00 min
Lab File: VL121821.D
Acq: 19 Dec 2006 1:44

Tgt Ion: 50 Resp: 6557

Ion	Ratio	Lower	Upper
50	100		
52	36.6	27.8	41.6

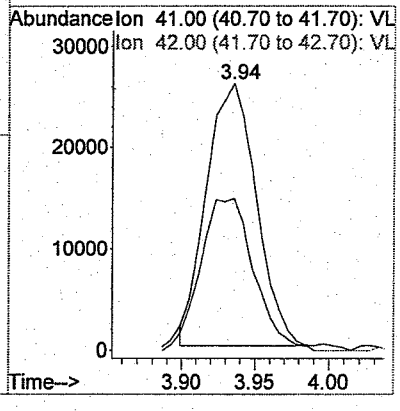


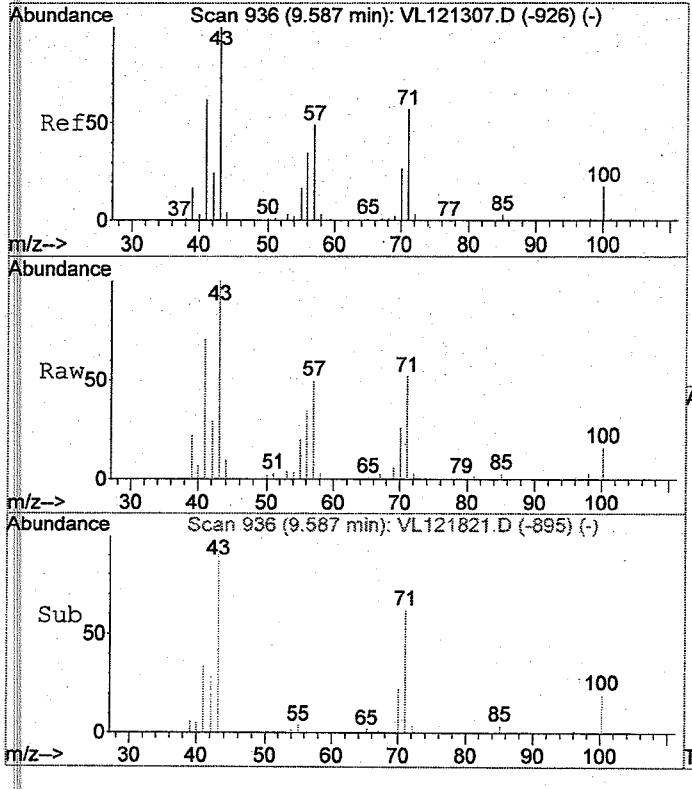


#8
Propene
Concen: 1.34 ppbv
RT: 3.94 min Scan# 9
Delta R.T. 0.01 min
Lab File: VL121821.D
Acq: 19 Dec 2006 1:44

Tgt Ion: 41 Resp: 60927

Ion	Ratio	Lower	Upper
41	100		
42	60.5	51.2	76.8

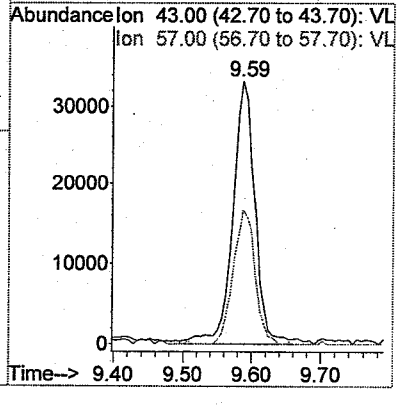


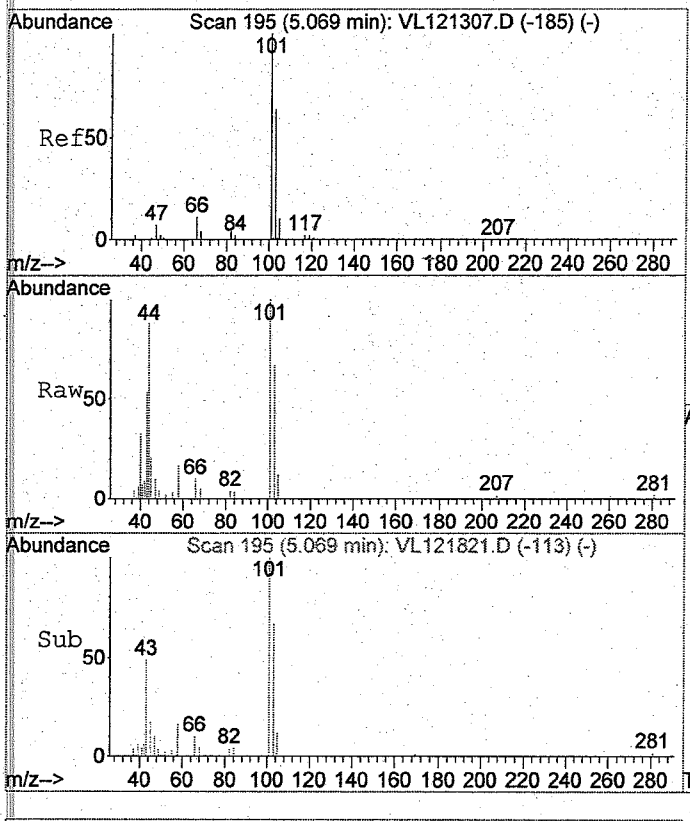


#9
Heptane
Concen: 0.82 ppbv
RT: 9.59 min Scan# 936
Delta R.T. 0.00 min
Lab File: VL121821.D
Acq: 19 Dec 2006 1:44

Tgt Ion: 43 Resp: 73972

Ion	Ratio	Lower	Upper
43	100		
57	49.0	47.8	71.6

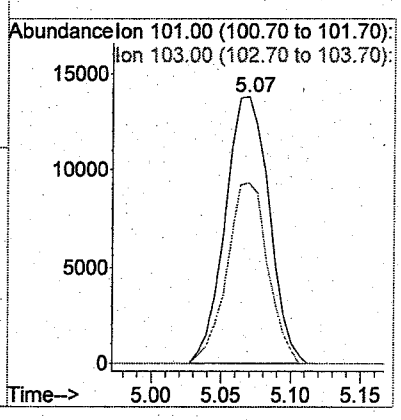


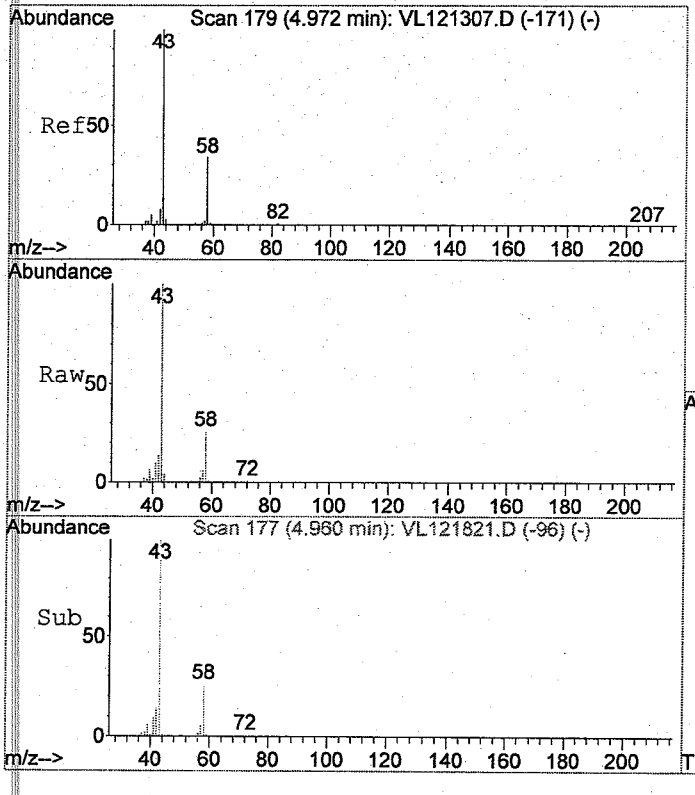


#10
Trichlorofluoromethane
Concen: 0.18 ppbv
RT: 5.07 min Scan# 195
Delta R.T. 0.00 min
Lab File: VL121821.D
Acq: 19 Dec 2006 1:44

Tgt Ion:101 Resp: 30053

Ion	Ratio	Lower	Upper
101	100		
103	67.4	51.1	76.7

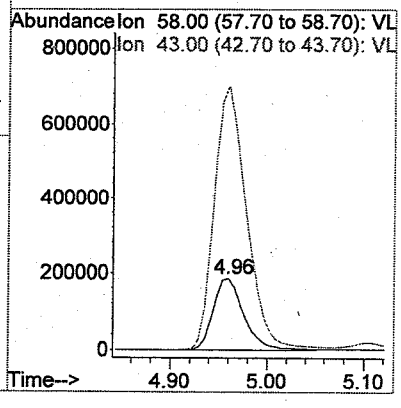


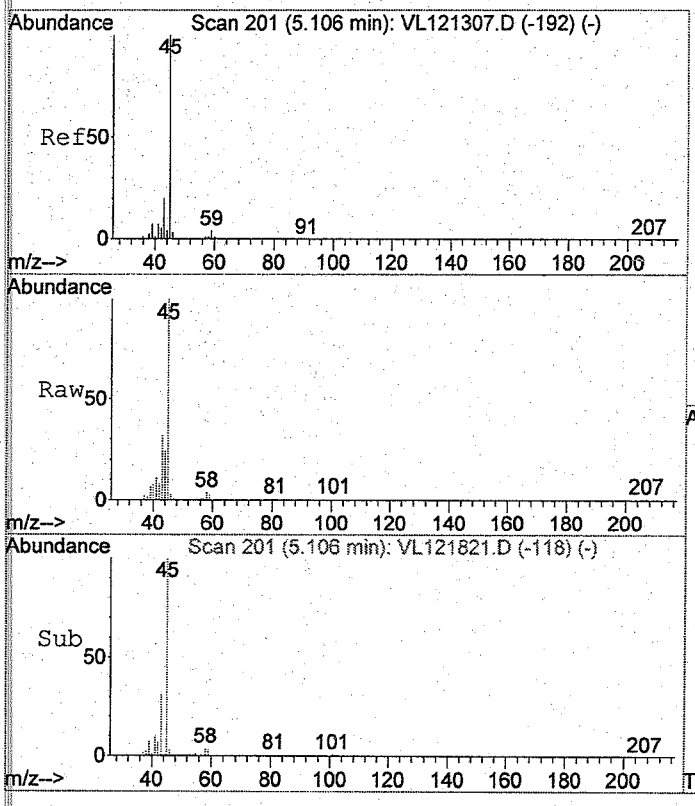


#13
Acetone
Concen: 18.59 ppbv
RT: 4.96 min Scan# 177
Delta R.T. -0.01 min
Lab File: VL121821.D
Acq: 19 Dec 2006 1:44

Tgt Ion: 58 Resp: 406949

Ion	Ratio	Lower	Upper
58	100		
43	395.9	240.0	360.0#

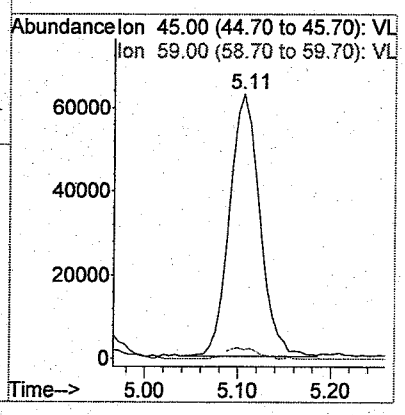


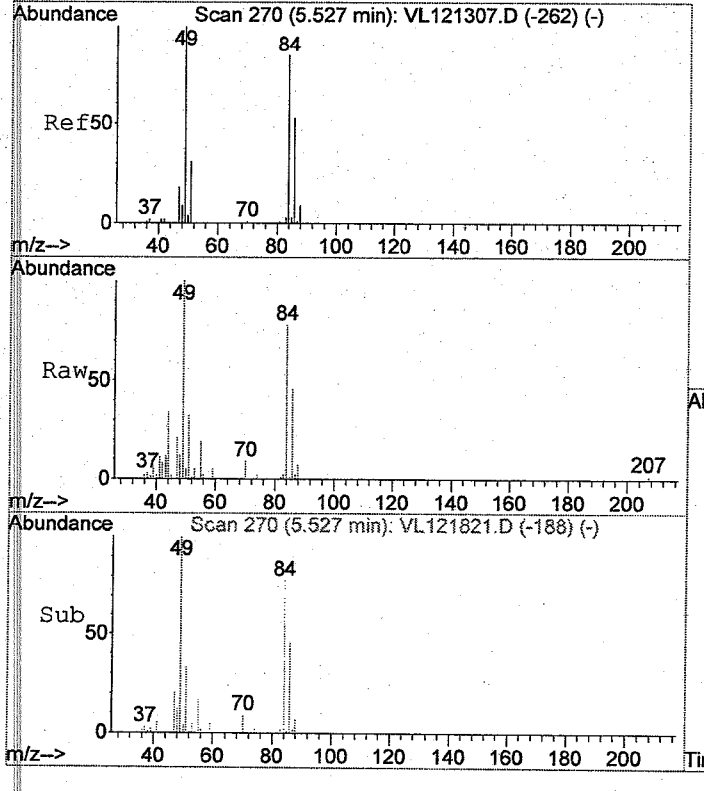


#16
Isopropyl Alcohol
Concen: 1.55 ppbv
RT: 5.11 min Scan# 201
Delta R.T. 0.01 min
Lab File: VL121821.D
Acq: 19 Dec 2006 1:44

Tgt Ion: 45 Resp: 141402

Ion	Ratio	Lower	Upper
45	100		
59	4.1	3.6	5.4

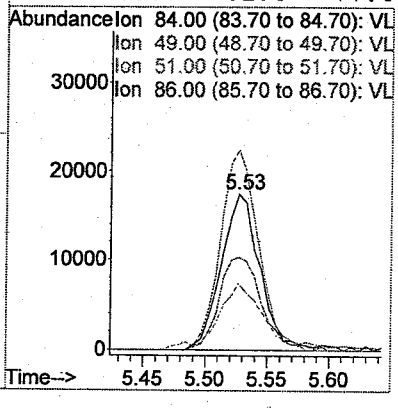


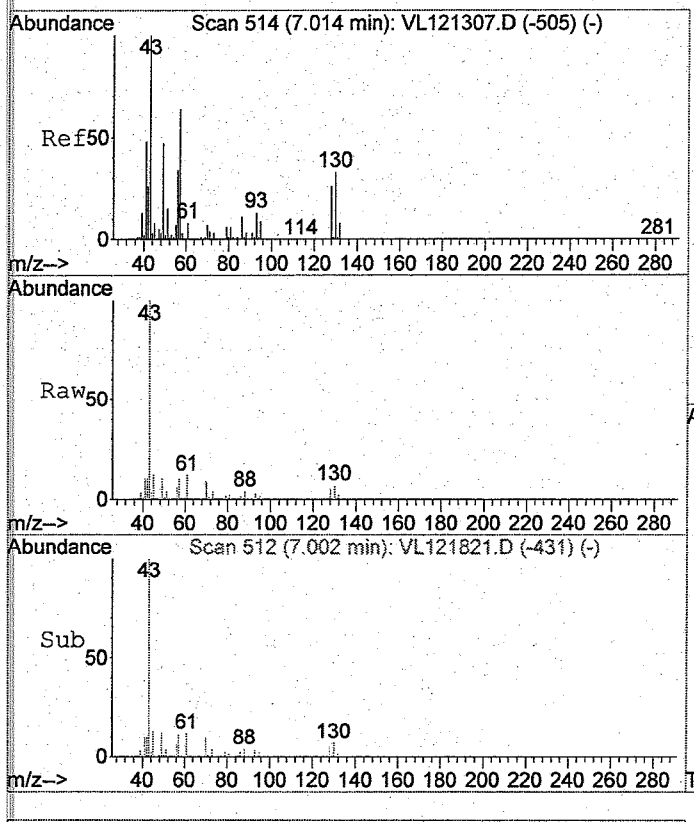


#17
Methylene Chloride
Concen: 0.94 ppbv
RT: 5.53 min Scan# 270
Delta R.T. 0.00 min
Lab File: VL121821.D
Acq: 19 Dec 2006 1:44

Tgt Ion: 84 Resp: 37460

Ion	Ratio	Lower	Upper
84	100		
49	127.5	71.8	107.6#
51	42.0	22.8	34.2#
86	58.7	51.6	77.4

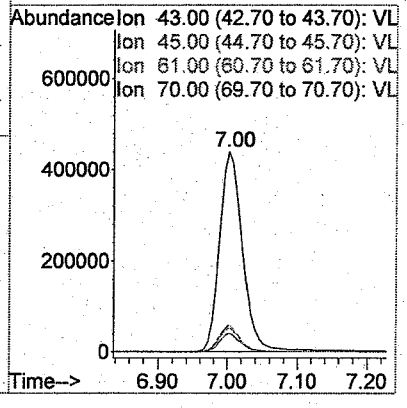


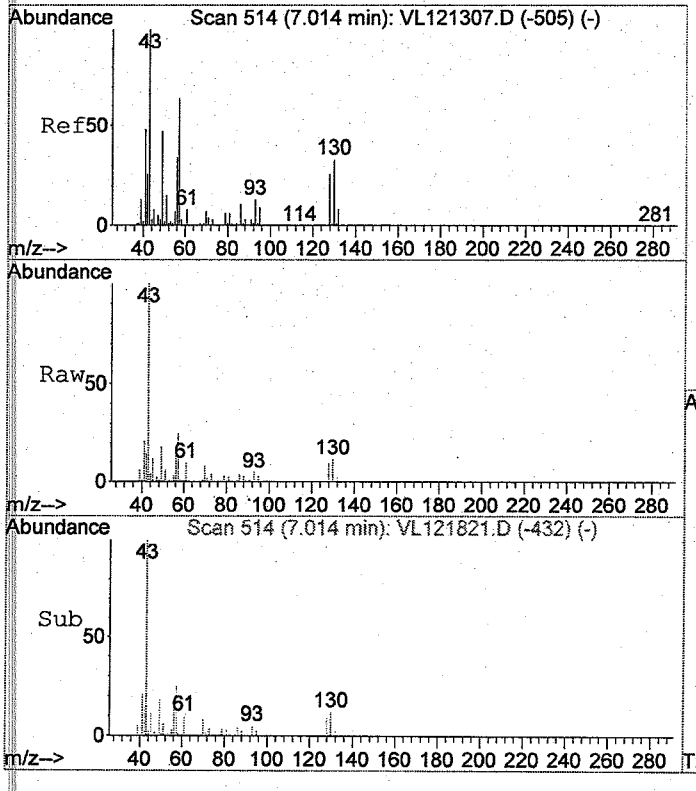


#22
Ethyl Acetate
Concen: 6.37 ppbv
RT: 7.00 min Scan# 512
Delta R.T. -0.01 min
Lab File: VL121821.D
Acq: 19 Dec 2006 1:44

Tgt Ion: 43 Resp: 1013687

Ion	Ratio	Lower	Upper
43	100		
45	12.6	7.4	11.0#
61	11.4	9.8	14.8
70	8.8	7.8	11.6

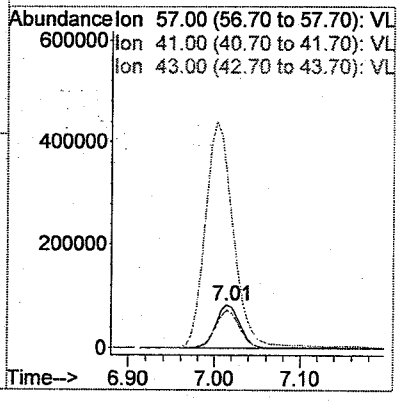


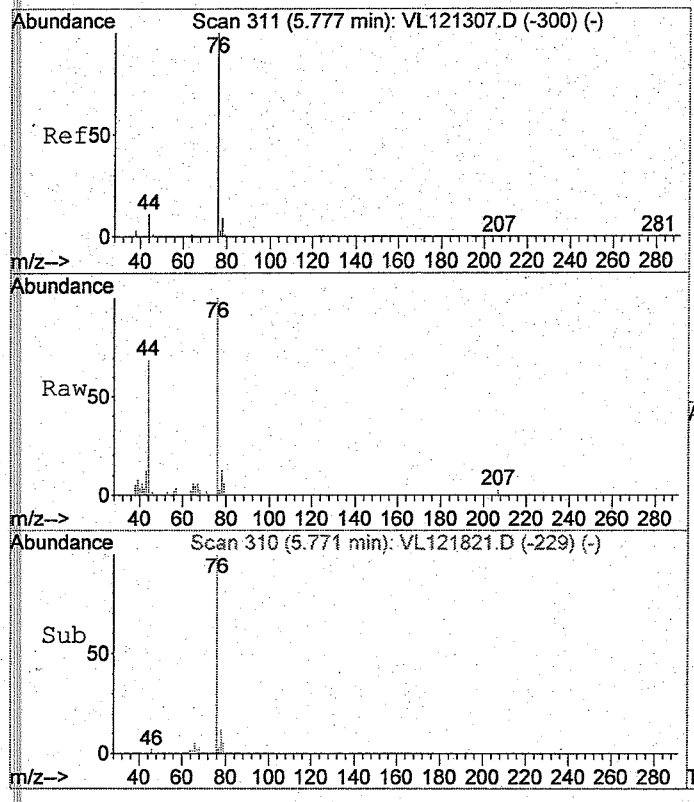


#23
Hexane
Concen: 2.05 ppbv
RT: 7.01 min Scan# 514
Delta R.T. 0.00 min
Lab File: VL121821.D
Acq: 19 Dec 2006 1:44

Tgt Ion: 57 Resp: 162076

Ion	Ratio	Lower	Upper
57	100		
41	90.9	56.2	84.4#
43	625.4	129.8	194.6#

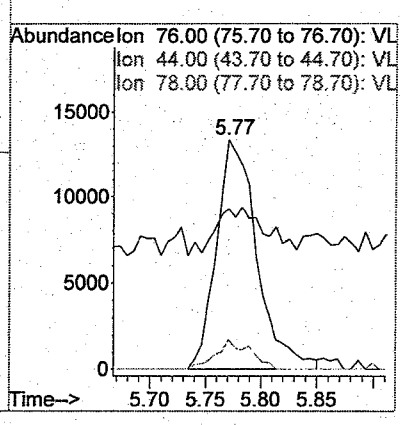


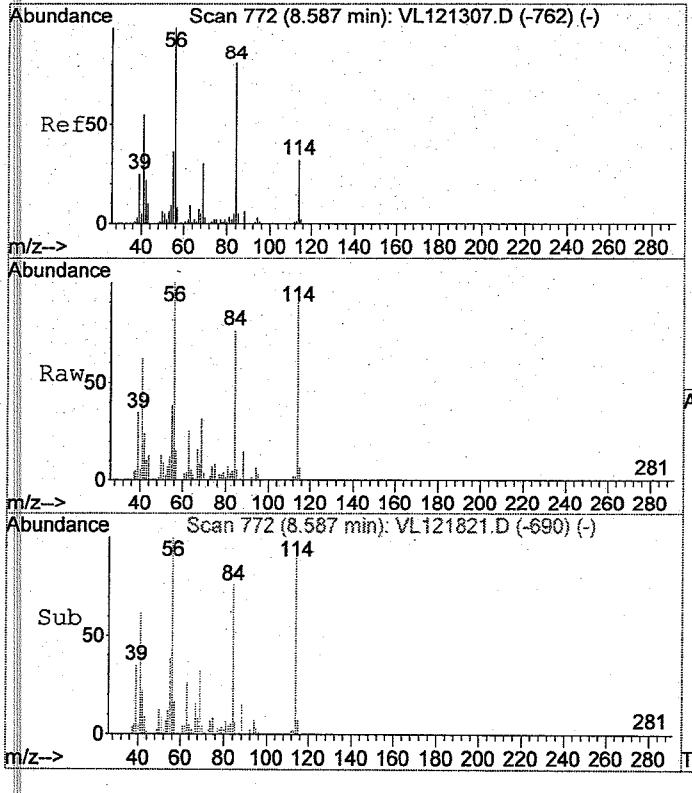


#24
Carbon Disulfide
Concen: 0.26 ppbv
RT: 5.77 min Scan# 310
Delta R.T. -0.01 min
Lab File: VL121821.D
Acq: 19 Dec 2006 1:44

Tgt Ion: 76 Resp: 33778

Ion	Ratio	Lower	Upper
76	100		
44	22.5	9.0	13.6#
78	11.1	7.4	11.2

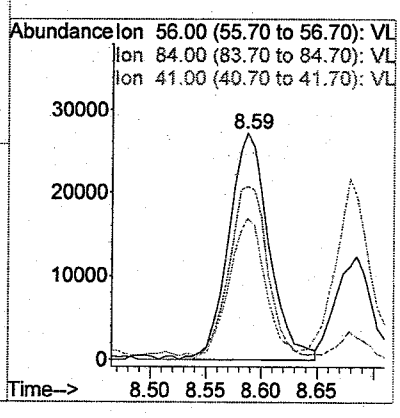


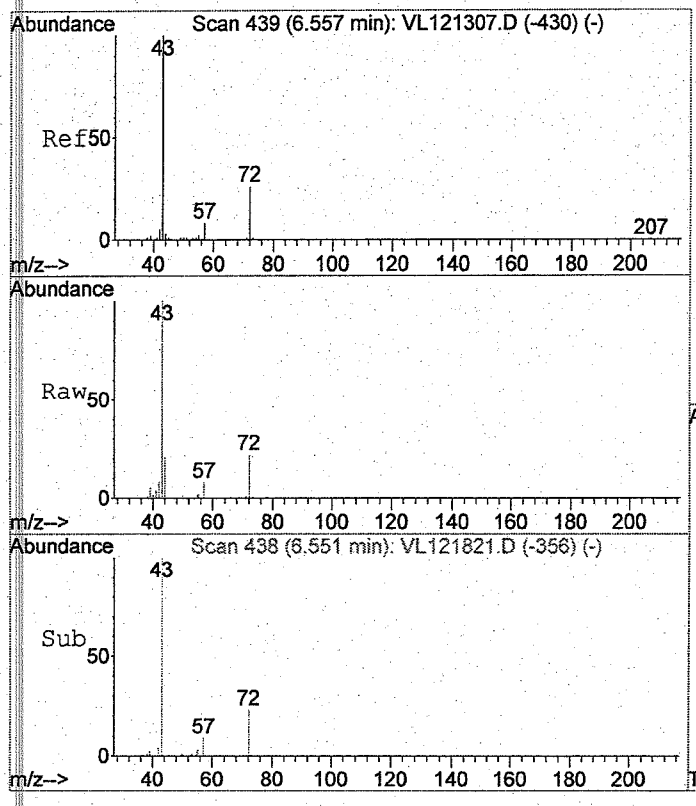


#27
Cyclohexane
Concen: 0.73 ppbv
RT: 8.59 min Scan# 772
Delta R.T. 0.00 min
Lab File: VL121821.D
Acq: 19 Dec 2006 1:44

Tgt Ion: 56 Resp: 68256

Ion	Ratio	Lower	Upper
56	100		
84	74.5	82.4	123.6#
41	53.6	39.2	58.8

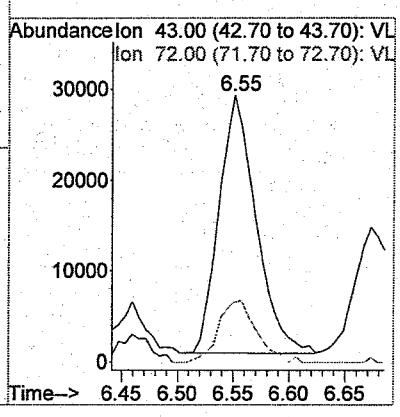


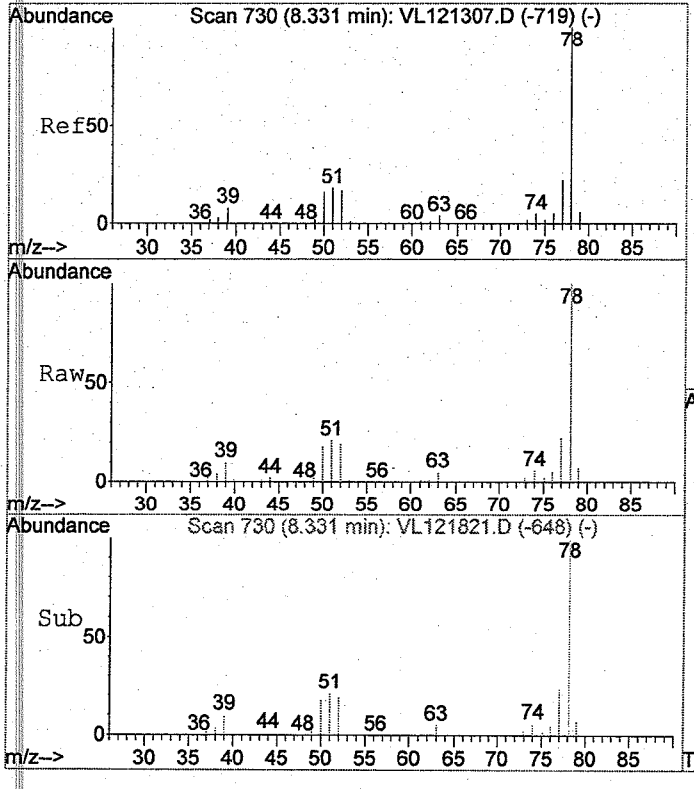


#31
2-Butanone
Concen: 0.71 ppbv
RT: 6.55 min Scan# 438
Delta R.T. 0.00 min
Lab File: VL121821.D
Acq: 19 Dec 2006 1:44

Tgt Ion: 43 Resp: 64624

Ion	Ratio	Lower	Upper
43	100		
72	24.3	25.8	38.8#

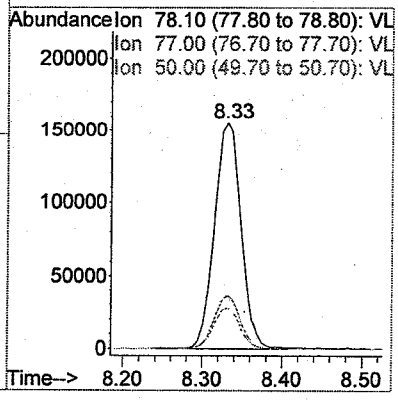


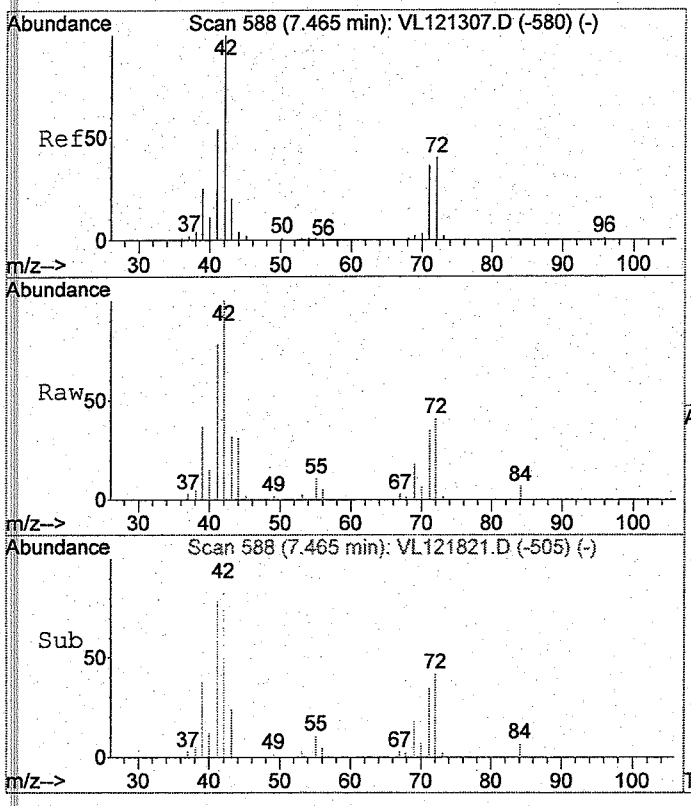


#33
Benzene
Concen: 2.84 ppbv
RT: 8.33 min Scan# 730
Delta R.T. 0.00 min
Lab File: VL121821.D
Acq: 19 Dec 2006 1:44

Tgt Ion: 78 Resp: 357313

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.4	27.6
50	17.5	10.2	15.2#

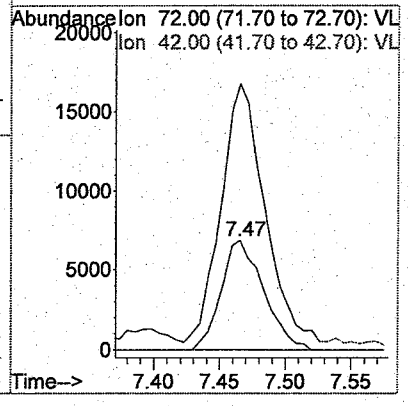


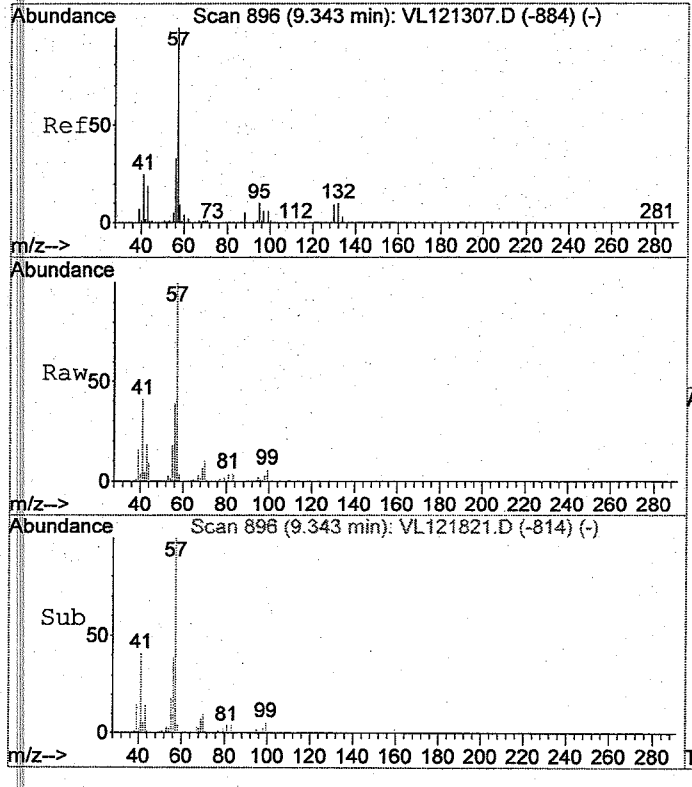


#38
Tetrahydrofuran
Concen: 0.83 ppbv
RT: 7.47 min Scan# 588
Delta R.T. 0.01 min
Lab File: VL121821.D
Acq: 19 Dec 2006 1:44

Tgt Ion: 72 Resp: 15396

Ion	Ratio	Lower	Upper
72	100		
42	245.7	127.1	236.1#

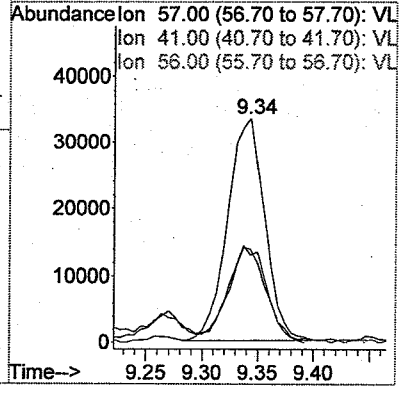


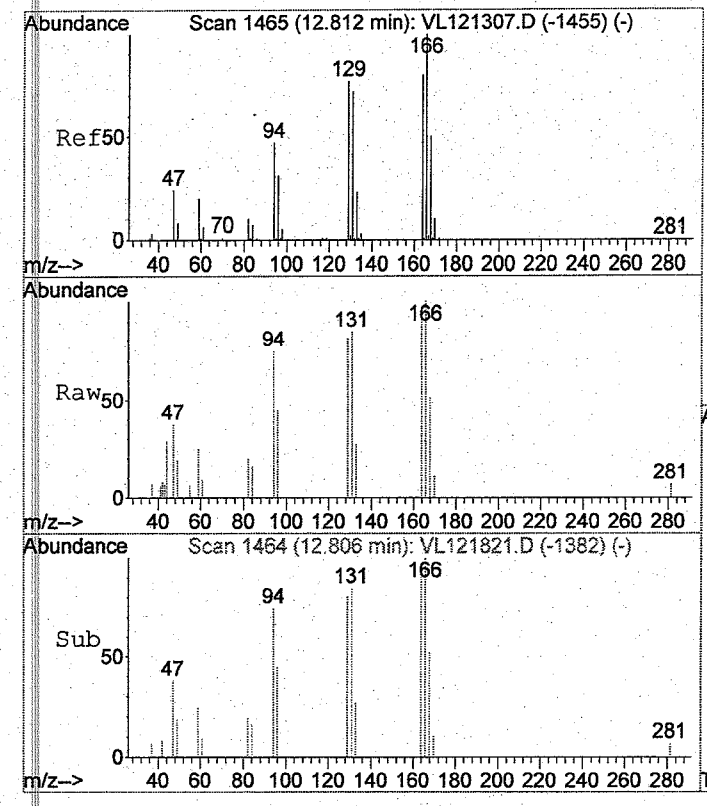


#40
2,2,4-Trimethylpentane
Concen: 0.33 ppbv
RT: 9.34 min Scan# 896
Delta R.T. 0.00 min
Lab File: VL121821.D
Acq: 19 Dec 2006 1:44

Tgt Ion: 57 Resp: 76942

Ion	Ratio	Lower	Upper
57	100		
41	45.9	19.2	28.8#
56	46.1	25.0	37.6#

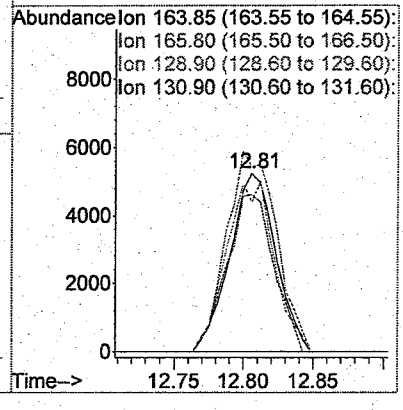


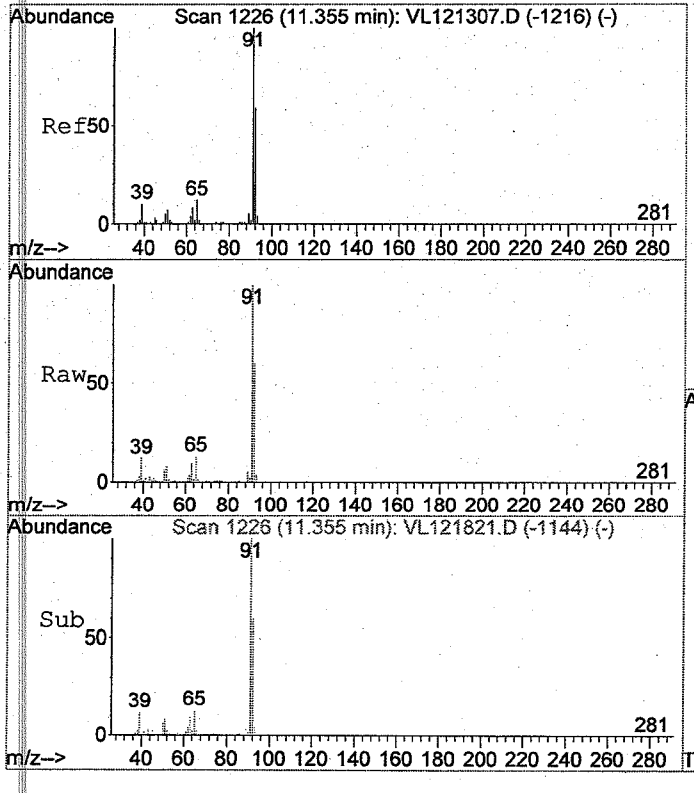


#48
Tetrachloroethene
Concen: 0.19 ppbv
RT: 12.81 min Scan# 1464
Delta R.T. 0.00 min
Lab File: VL121821.D
Acq: 19 Dec 2006 1:44

Tgt Ion:164 Resp: 11934

Ion	Ratio	Lower	Upper
164	100		
166	103.2	103.0	154.6
129	83.3	64.9	97.3
131	88.0	63.0	94.6

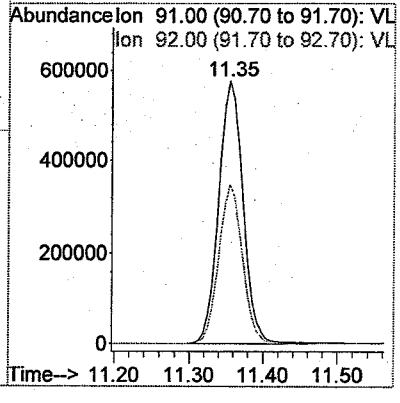


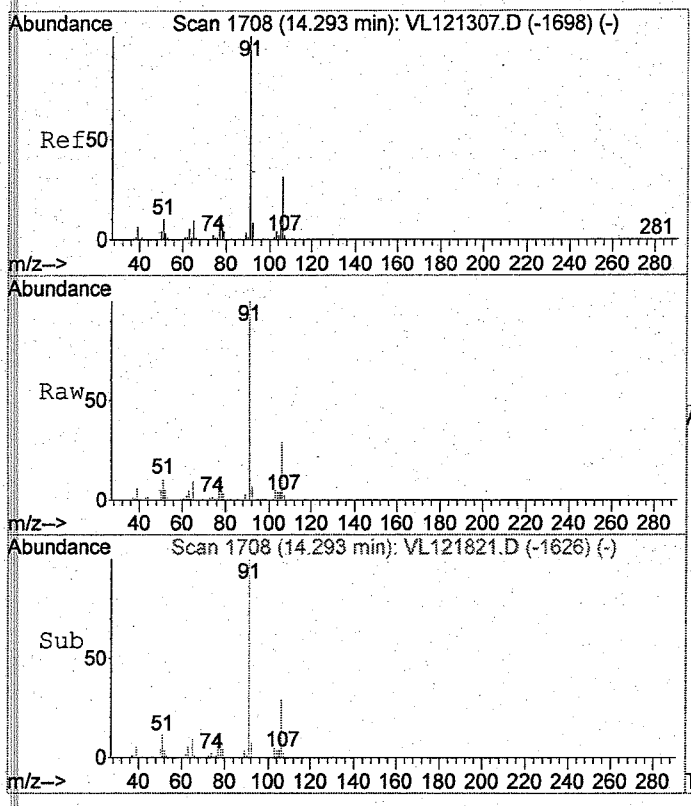


#49
Toluene
Concen: 10.53 ppbv
RT: 11.35 min Scan# 1226
Delta R.T. 0.00 min
Lab File: VL121821.D
Acq: 19 Dec 2006 1:44

Tgt Ion: 91 Resp: 1335896

Ion	Ratio	Lower	Upper
91	100		
92	59.4	47.9	71.9

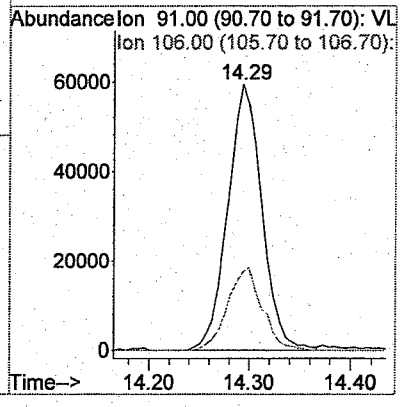


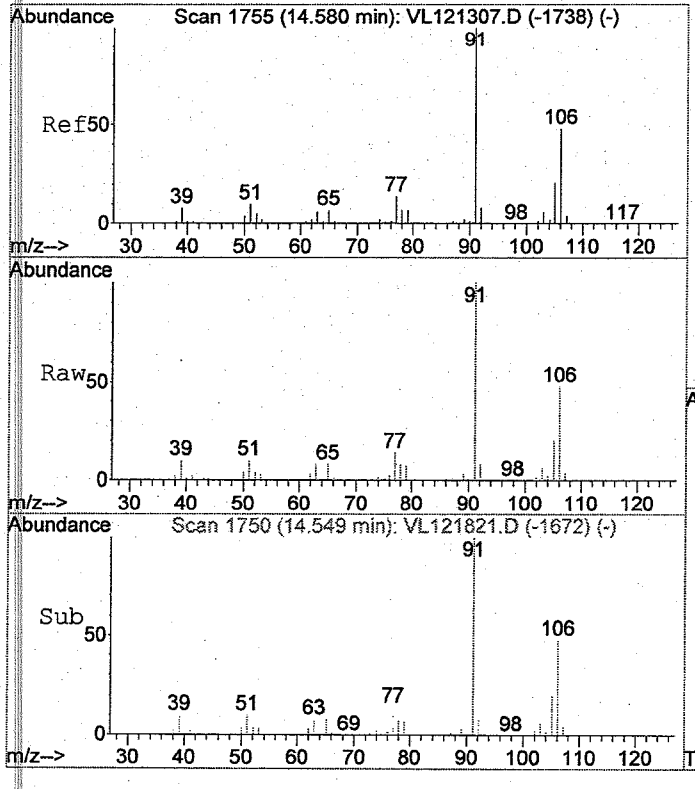


#53
Ethyl Benzene
Concen: 0.85 ppbv
RT: 14.29 min Scan# 1708
Delta R.T. 0.00 min
Lab File: VL121821.D
Acq: 19 Dec 2006 1:44

Tgt Ion: 91 Resp: 139245

Ion	Ratio	Lower	Upper
91	100		
106	29.4	26.2	39.4

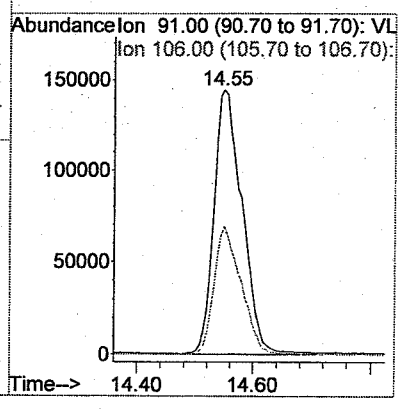


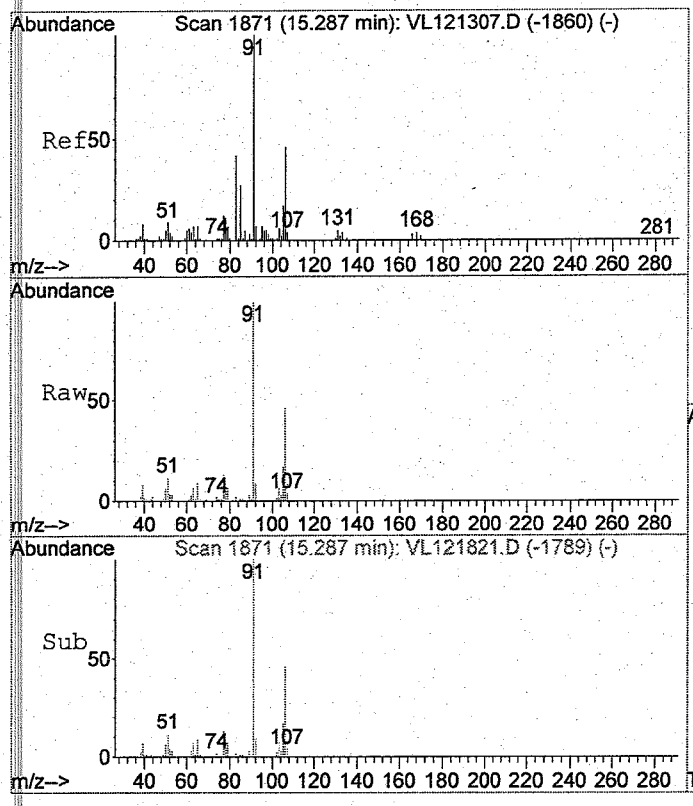


#54
m/p-Xylene
Concen: 3.66 ppbv
RT: 14.55 min Scan# 1750
Delta R.T. -0.02 min
Lab File: VL121821.D
Acq: 19 Dec 2006 1:44

Tgt Ion: 91 Resp: 492320

Ion	Ratio	Lower	Upper
91	100		
106	46.0	42.1	63.1

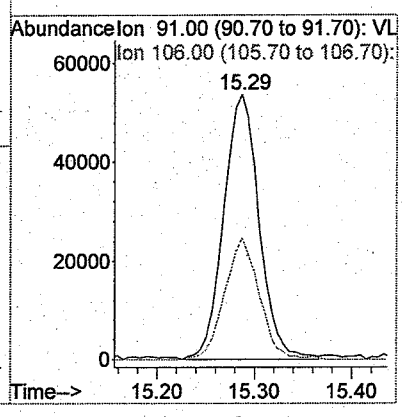


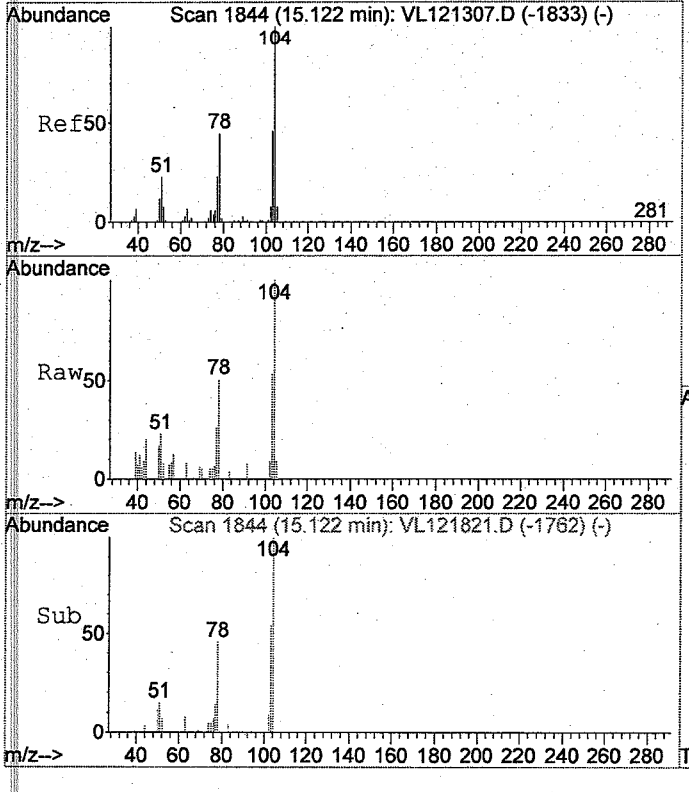


#55
o-Xylene
Concen: 0.93 ppbv
RT: 15.29 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VL121821.D
Acq: 19 Dec 2006 1:44

Tgt Ion: 91 Resp: 135556

Ion	Ratio	Lower	Upper
91	100		
106	44.8	24.8	74.4

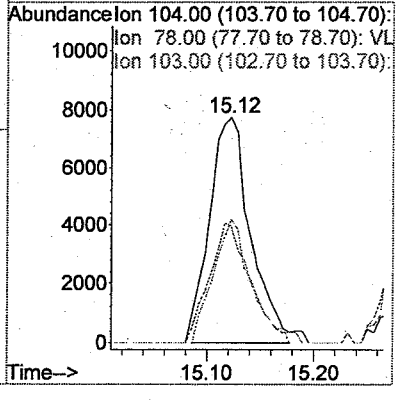


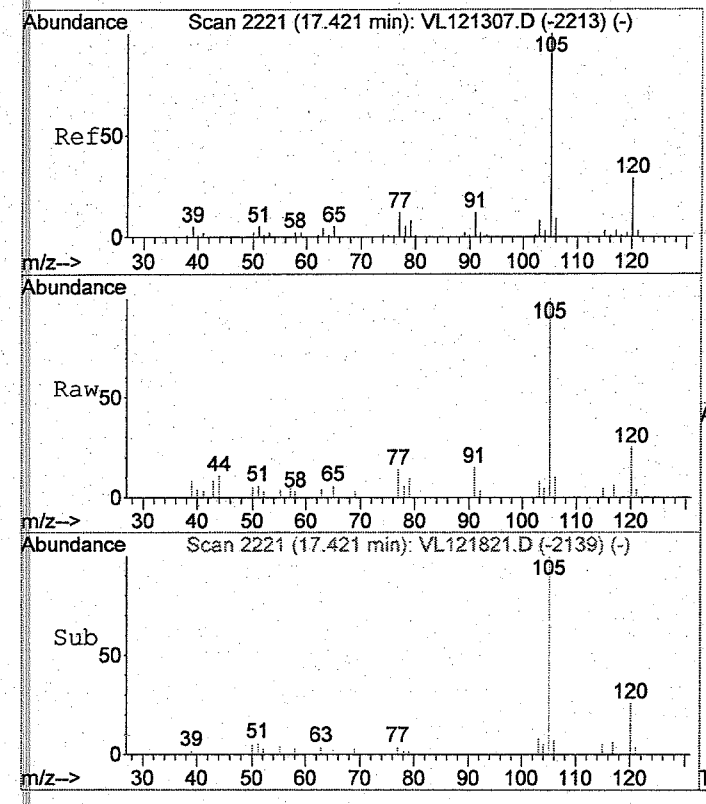


#56
Styrene
Concen: 0.29 ppbv
RT: 15.12 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VL121821.D
Acq: 19 Dec 2006 1:44

Tgt Ion:104 Resp: 20868

Ion	Ratio	Lower	Upper
104	100		
78	52.7	32.0	48.0#
103	49.0	35.9	53.9

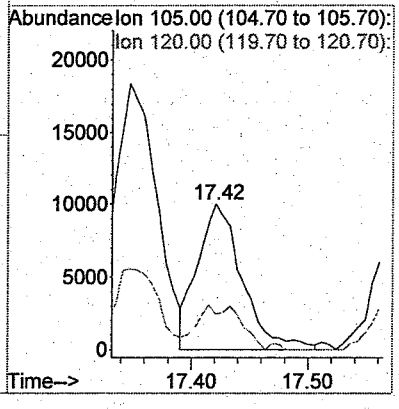


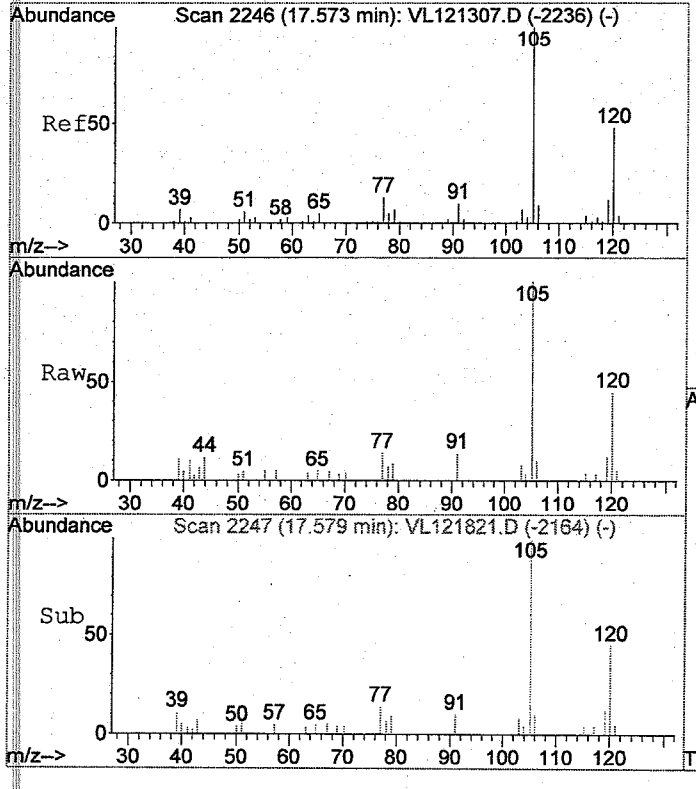


#60
4-Ethyltoluene
Concen: 0.33 ppbv
RT: 17.42 min Scan# 2221
Delta R.T. 0.00 min
Lab File: VL121821.D
Acq: 19 Dec 2006 1:44

Tgt Ion:105 Resp: 26711

Ion	Ratio	Lower	Upper
105	100		
120	29.4	25.4	38.0

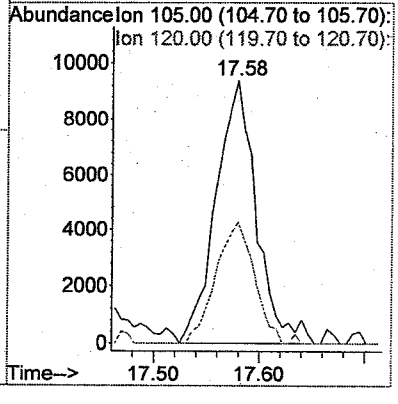


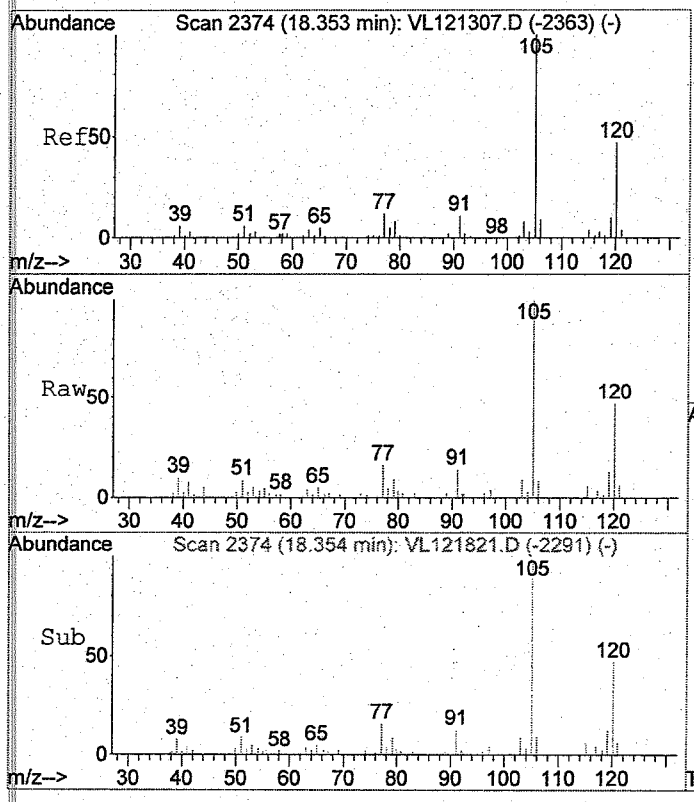


#61
1,3,5-Trimethylbenzene
Concen: 0.16 ppbv
RT: 17.58 min Scan# 2247
Delta R.T. 0.01 min
Lab File: VL121821.D
Acq: 19 Dec 2006 1:44

Tgt Ion:105 Resp: 24661

Ion	Ratio	Lower	Upper
105	100		
120	45.4	41.6	62.4

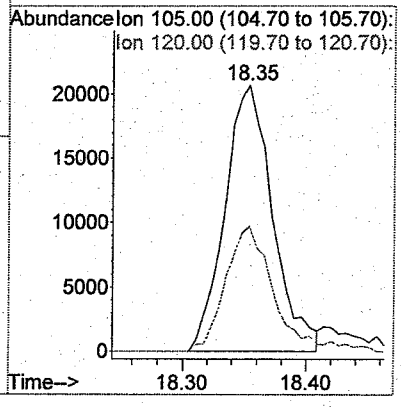




#62
1,2,4-Trimethylbenzene
Concen: 0.38 ppbv
RT: 18.35 min Scan# 2374
Delta R.T. 0.01 min
Lab File: VL121821.D
Acq: 19 Dec 2006 1:44

Tgt Ion:105 Resp: 55323

Ion	Ratio	Lower	Upper
105	100		
120	46.9	37.5	56.3



CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-2**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-02**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121823.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
TARGETS					
75-71-8	Dichlorodifluoromethane	1.83		0.49	0.15
74-87-3	Chloromethane	0.2	J	0.2	0.06
75-01-4	Vinyl Chloride	0.26	U	0.26	0.08
74-83-9	Bromomethane	0.39	U	0.39	0.09
75-00-3	Chloroethane	0.27	U	0.27	0.06
75-69-4	Trichlorofluoromethane	1.06		0.56	0.23
67-63-0	Isopropyl Alcohol	5.52		0.49	0.34
76-14-2	Dichlorotetrafluoethane	0.7	U	0.7	0.2
76-13-1	1,1,2-Trichlorotrifluoroethane	0.76	U	0.76	0.18
593-60-2	Bromoethene	0.44	U	0.44	0.18
115-07-1	Propene	6.89		0.86	0.08
142-82-5	Heptane	3.89		0.41	0.11
75-35-4	1,1-Dichloroethene	0.4	U	0.4	0.13
141-78-6	Ethyl Acetate	71.4		0.36	0.08
67-64-1	Acetone	63.6	E	0.47	0.31
75-15-0	Carbon disulfide	0.99		0.31	0.07
1634-04-4	Methyl tert-butyl Ether	0.36	U	0.36	0.15
75-09-2	Methylene Chloride	3.55		0.7	0.16
107-05-1	Allyl Chloride	0.31	U	0.31	0.08
156-60-5	trans-1,2-Dichloroethene	0.4	U	0.4	0.15
108-05-4	Vinyl Acetate	0.35	U	0.35	0.09
75-34-3	1,1-Dichloroethane	0.4	U	0.4	0.12
110-82-7	Cyclohexane	3.22		0.34	0.23
78-93-3	2-Butanone	3.27		0.59	0.21
56-23-5	Carbon Tetrachloride	0.63	U	0.63	0.38
156-59-2	cis-1,2-Dichloroethene	0.4	U	0.4	0.17
67-66-3	Chloroform	0.49	U	0.49	0.11
123-91-1	1,4-Dioxane	0.72	U	0.72	0.19
71-55-6	1,1,1-Trichloroethane	0.54	U	0.54	0.15
109-99-9	Tetrahydrofuran	1.3		0.59	0.18
540-84-1	2,2,4-Trimethylpentane	2.14		0.47	0.12

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-2**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-02**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121823.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
71-43-2	Benzene	11.5		0.32	0.1
107-06-2	1,2-Dichloroethane	0.4	U	0.4	0.26
79-01-6	Trichloroethene	0.54	U	0.54	0.21
78-87-5	1,2-Dichloropropane	0.46	U	0.46	0.25
75-27-4	Bromodichloromethane	0.67	U	0.67	0.23
108-10-1	4-Methyl-2-Pentanone	0.82	U	0.82	0.25
108-88-3	Toluene	51.6		0.38	0.2
10061-02-6	t-1,3-Dichloropropene	0.45	U	0.45	0.21
10061-01-5	cis-1,3-Dichloropropene	0.45	U	0.45	0.11
79-00-5	1,1,2-Trichloroethane	0.54	U	0.54	0.23
591-78-6	2-Hexanone	0.82	U	0.82	0.16
124-48-1	Dibromochloromethane	0.85	U	0.85	0.35
106-93-4	1,2-Dibromoethane	0.77	U	0.77	0.32
127-18-4	Tetrachloroethene	0.68	U	0.68	0.27
108-90-7	Chlorobenzene	0.46	U	0.46	0.22
100-41-4	Ethyl Benzene	3.69		0.43	0.15
126777-61-2	m/p-Xylene	13.7		0.87	0.36
95-47-6	o-Xylene	3.21		0.43	0.22
100-42-5	Styrene	0.85		0.43	0.17
75-25-2	Bromoform	1.03	U	1.03	0.36
79-34-5	1,1,2,2-Tetrachloroethane	0.69	U	0.69	0.32
108-67-8	1,3,5-Trimethylbenzene	0.49	U	0.49	0.27
95-63-6	1,2,4-Trimethylbenzene	0.74		0.49	0.24
622-96-8	4-Ethyltoluene	1.37		0.49	0.18
541-73-1	1,3-Dichlorobenzene	0.6	U	0.6	0.39
106-46-7	1,4-Dichlorobenzene	0.6	U	0.6	0.32
95-50-1	1,2-Dichlorobenzene	0.6	U	0.6	0.29
120-82-1	1,2,4-Trichlorobenzene	0.74	U	0.74	0.38
87-68-3	Hexachloro-1,3-butadiene	1.07	U	1.07	0.7
106-99-0	1,3-Butadiene	0.22	U	0.22	0.15
110-54-3	Hexane	8.62		0.7	0.08
100-44-7	Benzyl Chloride	0.58	U	0.58	0.2

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Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-2**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-02**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121823.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
SURROGATES					
460-00-4	1-Bromo-4-Fluorobenzene	2.35	94 %	65 - 135	
INTERNAL STANDARDS					
74-97-5	Bromochloromethane	131232	7.01		
540-36-3	1,4-Difluorobenzene	301065	8.61		
3114-55-4	Chlorobenzene-d5	287490	13.68		

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Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-2**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-02**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121823.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ppbv	Qualifier	RL ppbv	MDL ppbv
TARGETS					
75-71-8	Dichlorodifluoromethane	0.4		0.1	0.031
74-87-3	Chloromethane	0.1	J	0.1	0.031
75-01-4	Vinyl Chloride	0.1	U	0.1	0.031
74-83-9	Bromomethane	0.1	U	0.1	0.022
75-00-3	Chloroethane	0.1	U	0.1	0.024
75-69-4	Trichlorofluoromethane	0.2		0.1	0.041
67-63-0	Isopropyl Alcohol	2.2		0.2	0.140
76-14-2	Dichlorotetrafluoethane	0.1	U	0.1	0.028
76-13-1	1,1,2-Trichlorotrifluoroethane	0.1	U	0.1	0.024
593-60-2	Bromoethene	0.1	U	0.1	0.042
115-07-1	Propene	4.0		0.5	0.047
142-82-5	Heptane	1.0		0.1	0.028
75-35-4	1,1-Dichloroethene	0.1	U	0.1	0.034
141-78-6	Ethyl Acetate	20		0.1	0.022
67-64-1	Acetone	27	E	0.2	0.130
75-15-0	Carbon disulfide	0.3		0.1	0.022
1634-04-4	Methyl tert-butyl Ether	0.1	U	0.1	0.043
75-09-2	Methylene Chloride	1.0		0.2	0.047
107-05-1	Allyl Chloride	0.1	U	0.1	0.025
156-60-5	trans-1,2-Dichloroethene	0.1	U	0.1	0.038
108-05-4	Vinyl Acetate	0.1	U	0.1	0.025
75-34-3	1,1-Dichloroethane	0.1	U	0.1	0.030
110-82-7	Cyclohexane	1.0		0.1	0.070
78-93-3	2-Butanone	1.1		0.2	0.070
56-23-5	Carbon Tetrachloride	0.1	U	0.1	0.061
156-59-2	cis-1,2-Dichloroethene	0.1	U	0.1	0.043
67-66-3	Chloroform	0.1	U	0.1	0.022
123-91-1	1,4-Dioxane	0.2	U	0.2	0.054
71-55-6	1,1,1-Trichloroethane	0.1	U	0.1	0.028
109-99-9	Tetrahydrofuran	0.4		0.2	0.060
540-84-1	2,2,4-Trimethylpentane	0.5		0.1	0.026

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Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-2**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-02**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121823.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ppbv	Qualifier	RL ppbv	MDL ppbv
71-43-2	Benzene	3.6		0.1	0.031
107-06-2	1,2-Dichloroethane	0.1	U	0.1	0.065
79-01-6	Trichloroethene	0.1	U	0.1	0.040
78-87-5	1,2-Dichloropropane	0.1	U	0.1	0.054
75-27-4	Bromodichloromethane	0.1	U	0.1	0.035
108-10-1	4-Methyl-2-Pentanone	0.2	U	0.2	0.060
108-88-3	Toluene	14		0.1	0.054
10061-02-6	t-1,3-Dichloropropene	0.1	U	0.1	0.047
10061-01-5	cis-1,3-Dichloropropene	0.1	U	0.1	0.024
79-00-5	1,1,2-Trichloroethane	0.1	U	0.1	0.043
591-78-6	2-Hexanone	0.2	U	0.2	0.040
124-48-1	Dibromochloromethane	0.1	U	0.1	0.041
106-93-4	1,2-Dibromoethane	0.1	U	0.1	0.041
127-18-4	Tetrachloroethene	0.1	U	0.1	0.040
108-90-7	Chlorobenzene	0.1	U	0.1	0.047
100-41-4	Ethyl Benzene	0.9		0.1	0.034
126777-61-2	m/p-Xylene	3.2		0.2	0.084
95-47-6	o-Xylene	0.7		0.1	0.050
100-42-5	Styrene	0.2		0.1	0.040
75-25-2	Bromoform	0.1	U	0.1	0.035
79-34-5	1,1,2,2-Tetrachloroethane	0.1	U	0.1	0.047
108-67-8	1,3,5-Trimethylbenzene	0.1	U	0.1	0.054
95-63-6	1,2,4-Trimethylbenzene	0.2		0.1	0.048
622-96-8	4-Ethyltoluene	0.3		0.1	0.036
541-73-1	1,3-Dichlorobenzene	0.1	U	0.1	0.065
106-46-7	1,4-Dichlorobenzene	0.1	U	0.1	0.054
95-50-1	1,2-Dichlorobenzene	0.1	U	0.1	0.049
120-82-1	1,2,4-Trichlorobenzene	0.1	U	0.1	0.051
87-68-3	Hexachloro-1,3-butadiene	0.1	U	0.1	0.066
106-99-0	1,3-Butadiene	0.1	U	0.1	0.069
110-54-3	Hexane	2.4		0.2	0.024
100-44-7	Benzyl Chloride	0.1	U	0.1	0.035

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Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-2**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-02**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121823.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ppbv	Qualifier	RL ppbv	MDL ppbv
SURROGATES					
460-00-4	1-Bromo-4-Fluorobenzene	2.35	94 %	65 - 135	
INTERNAL STANDARDS					
74-97-5	Bromochloromethane	131232	7.01		
540-36-3	1,4-Difluorobenzene	301065	8.61		
3114-55-4	Chlorobenzene-d5	287490	13.68		

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E = Value Exceeds Calibration Range

J = Estimated Value
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Quantitation Report (QT Reviewed)

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL121806\
Data File : VL121823.D
Acq On : 19 Dec 2006 3:02
Operator : LJC
Sample : X5778-02
Misc : 400ml
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 19 10:33:52 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 09:05:30 2006
QLast Update : Tue Dec 19 09:05:30 2006
Response via : Initial Calibration

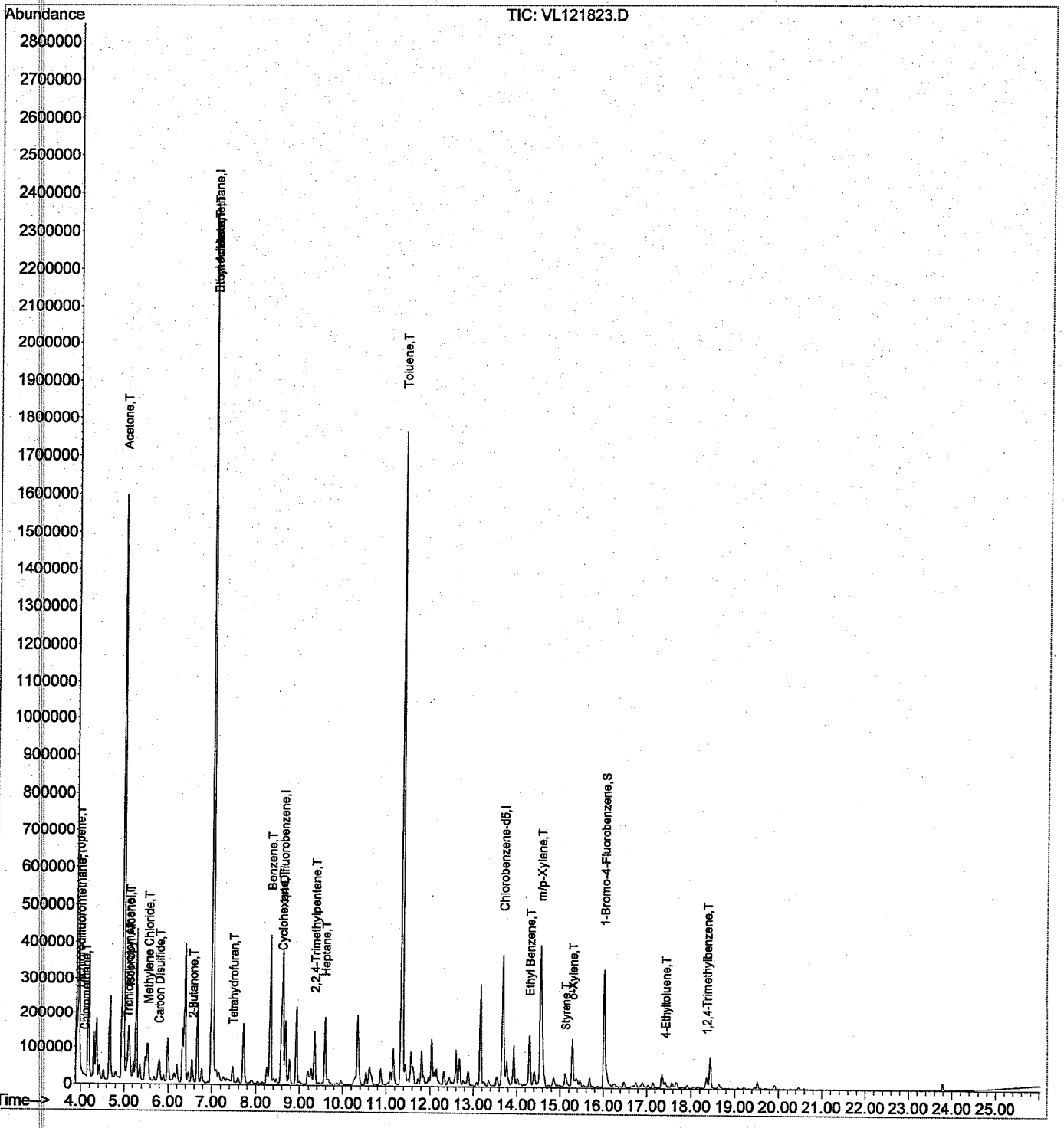
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	7.01	49	131232	2.50	ppbv		0.00
30) 1,4-Difluorobenzene	8.61	114	301065	2.50	ppbv		0.00
51) Chlorobenzene-d5	13.68	117	287490	2.50	ppbv		0.00
System Monitoring Compounds							
59) 1-Bromo-4-Fluorobenzene	16.02	95	190219	2.35	ppbv		0.00
Spiked Amount 2.500	Range 70 - 130		Recovery = 94.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.98	85	53574	0.37	ppbv		97
3) Chloromethane	4.09	50	4486	0.10	ppbv		91
8) Propene	3.94	41	168018	4.01	ppbv	#	78
9) Heptane	9.59	43	78856	0.95	ppbv		93
10) Trichlorofluoromethane	5.07	101	29725	0.19	ppbv		95
13) Acetone	4.95	58	541563	26.82	ppbv	#	57
16) Isopropyl Alcohol	5.11	45	188792	2.25	ppbv		99
17) Methylene Chloride	5.53	84	37530	1.02	ppbv	#	76
22) Ethyl Acetate	7.00	43	2909461	19.84	ppbv	#	96
23) Hexane	7.01	57	178865	2.45	ppbv	#	1
24) Carbon Disulfide	5.78	76	38439	0.32	ppbv	#	88
27) Cyclohexane	8.59	56	82473	0.96	ppbv	#	78
31) 2-Butanone	6.55	43	91446	1.11	ppbv	#	84
33) Benzene	8.33	78	410831	3.60	ppbv	#	96
38) Tetrahydrofuran	7.47	72	7331	0.44	ppbv	#	8
40) 2,2,4-Trimethylpentane	9.34	57	95932	0.46	ppbv	#	56
49) Toluene	11.35	91	1579666	13.72	ppbv		99
53) Ethyl Benzene	14.29	91	145682	0.85	ppbv		96
54) m/p-Xylene	14.55	91	441524	3.15	ppbv		92
55) o-Xylene	15.29	91	112882	0.74	ppbv		90
56) Styrene	15.12	104	15417	0.20	ppbv	#	89
60) 4-Ethyltoluene	17.43	105	17167	0.28	ppbv		94
62) 1,2,4-Trimethylbenzene	18.35	105	23492	0.15	ppbv		93

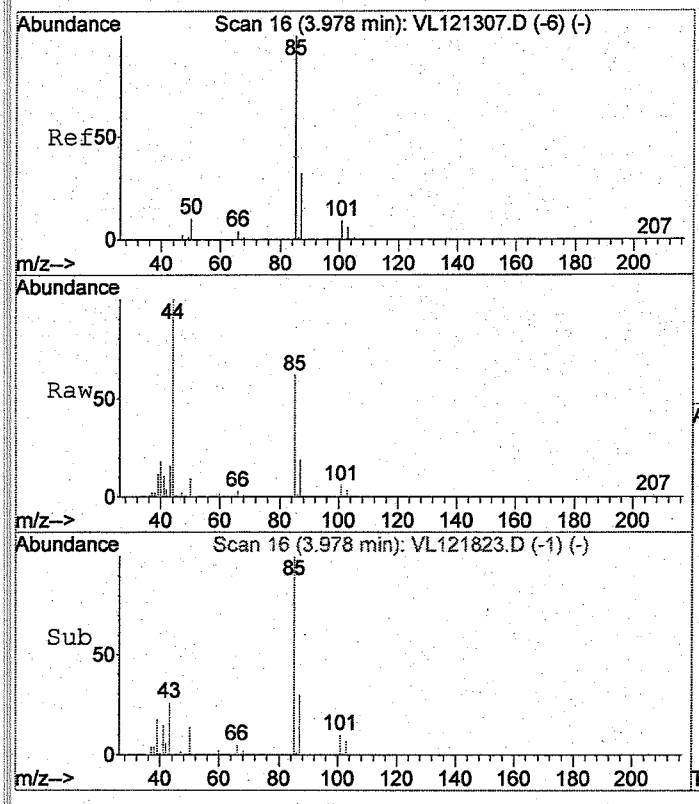
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL121806\
Data File : VL121823.D
Acq On : 19 Dec 2006 3:02
Operator : LJC
Sample : X5778-02
Misc : 400ml
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 19 10:33:52 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 09:05:30 2006
QLast Update : Tue Dec 19 09:05:30 2006
Response via : Initial Calibration

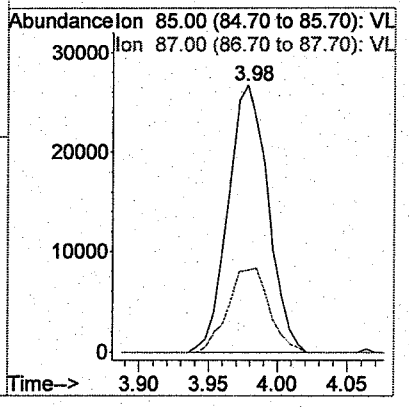


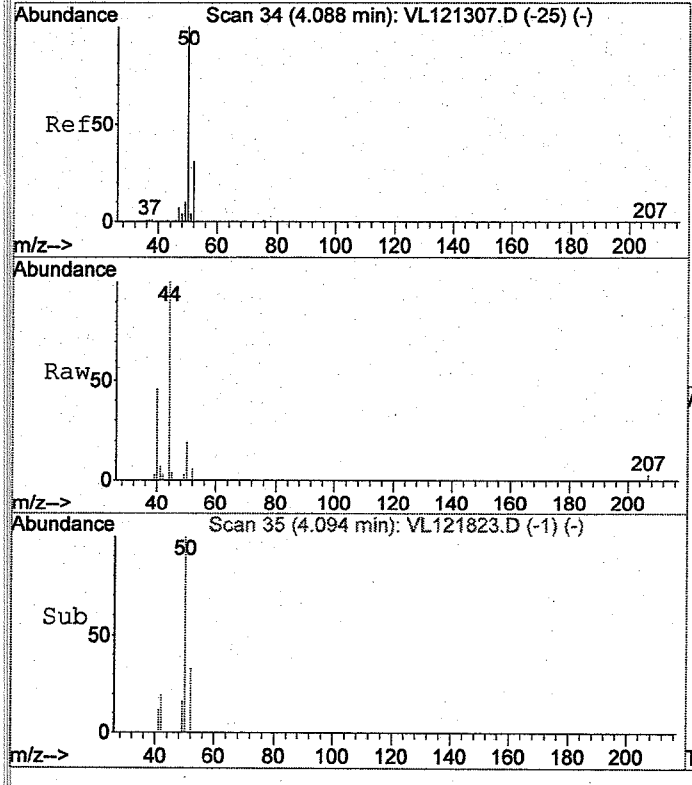


#2
Dichlorodifluoromethane
Concen: 0.37 ppbv
RT: 3.98 min Scan# 16
Delta R.T. 0.00 min
Lab File: VL121823.D
Acq: 19 Dec 2006 3:02

Tgt Ion: 85 Resp: 53574

Ion	Ratio	Lower	Upper
85	100		
87	30.2	12.1	52.1

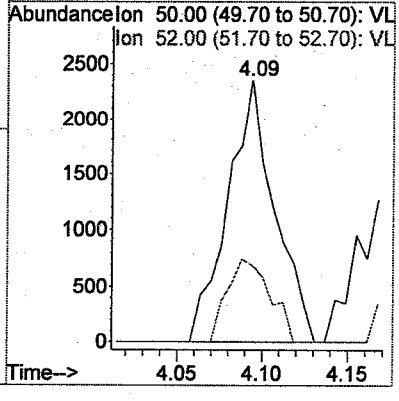


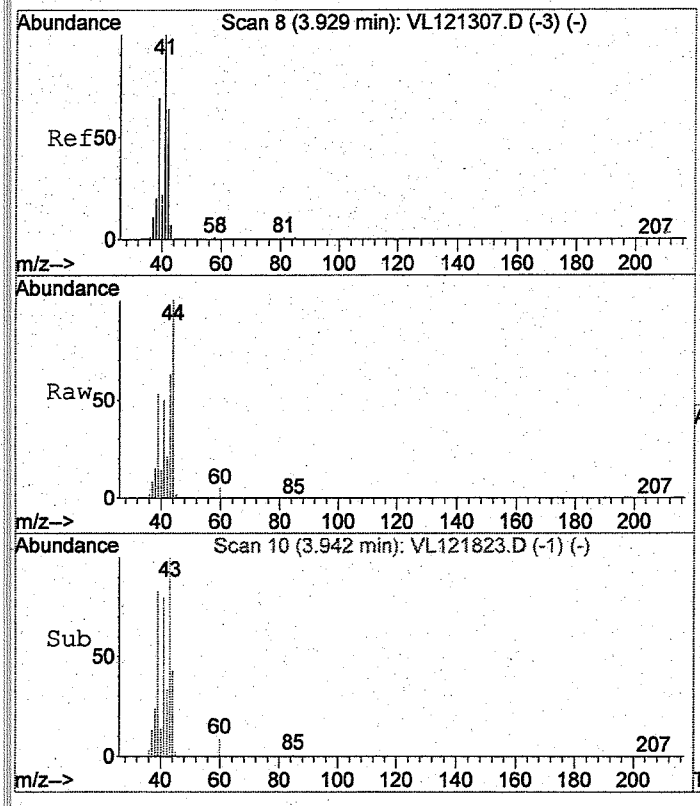


#3
Chloromethane
Concen: 0.10 ppbv
RT: 4.09 min Scan# 35
Delta R.T. 0.01 min
Lab File: VL121823.D
Acq: 19 Dec 2006 3:02

Tgt Ion: 50 Resp: 4486

Ion	Ratio	Lower	Upper
50	100		
52	29.4	27.8	41.6

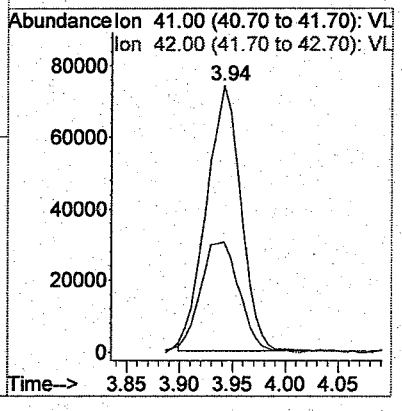


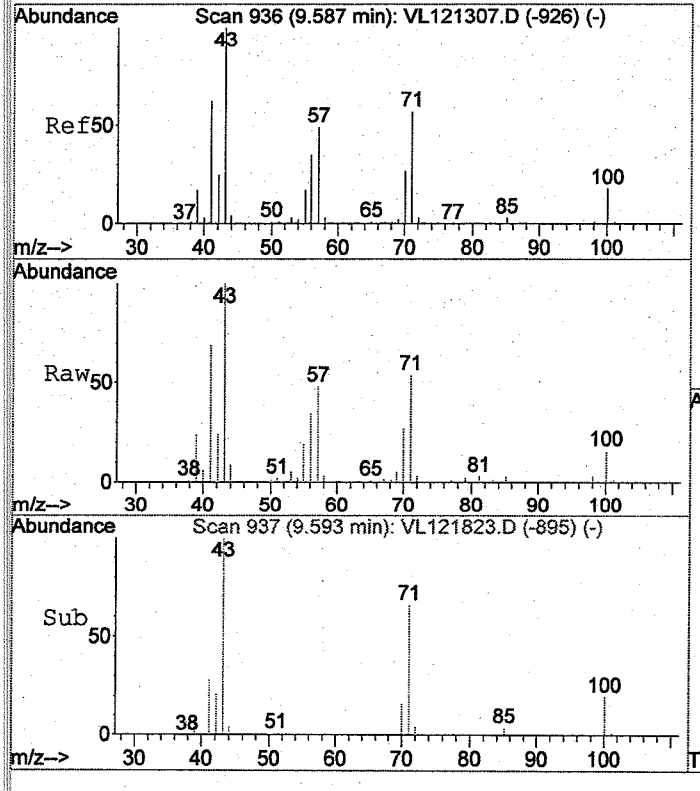


#8
Propene
Concen: 4.01 ppbv
RT: 3.94 min Scan# 10
Delta R.T. 0.01 min
Lab File: VL121823.D
Acq: 19 Dec 2006 3:02

Tgt Ion: 41 Resp: 168018

Ion	Ratio	Lower	Upper
41	100		
42	46.6	51.2	76.8#

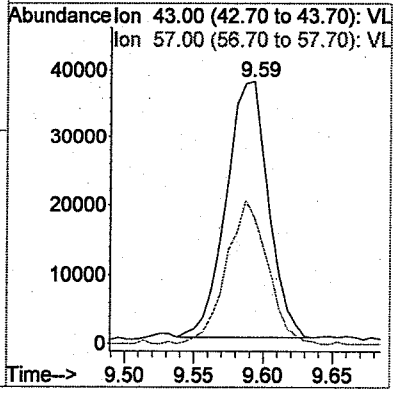


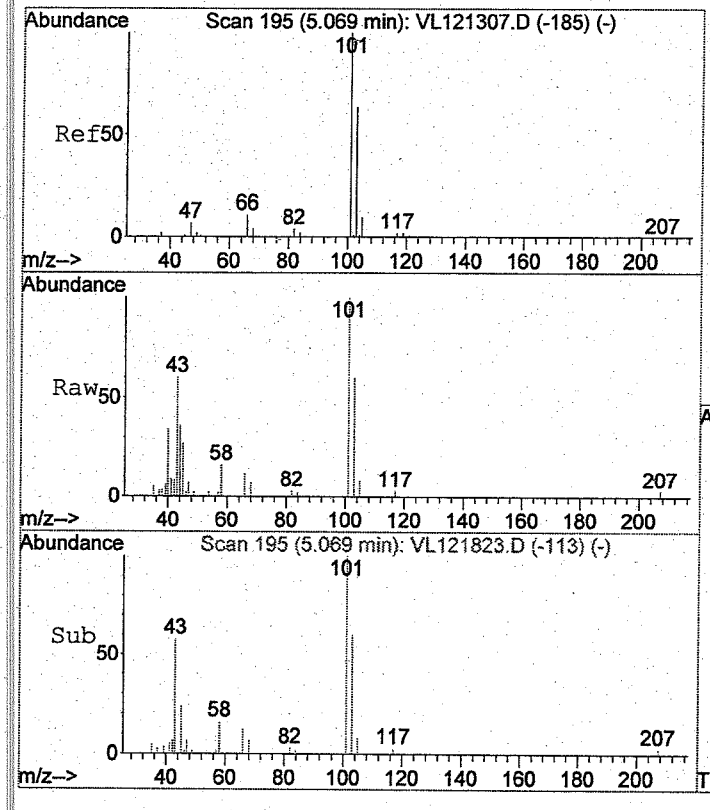


#9
Heptane
Concen: 0.95 ppbv
RT: 9.59 min Scan# 937
Delta R.T. 0.01 min
Lab File: VL121823.D
Acq: 19 Dec 2006 3:02

Tgt Ion: 43 Resp: 78856

Ion	Ratio	Lower	Upper
43	100		
57	54.2	47.8	71.6

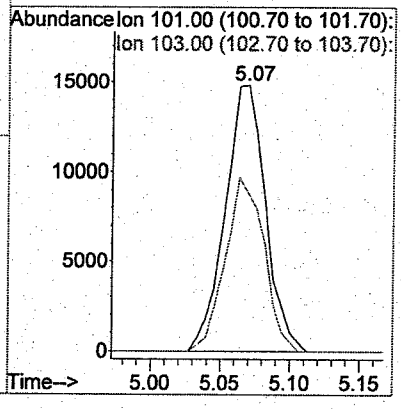


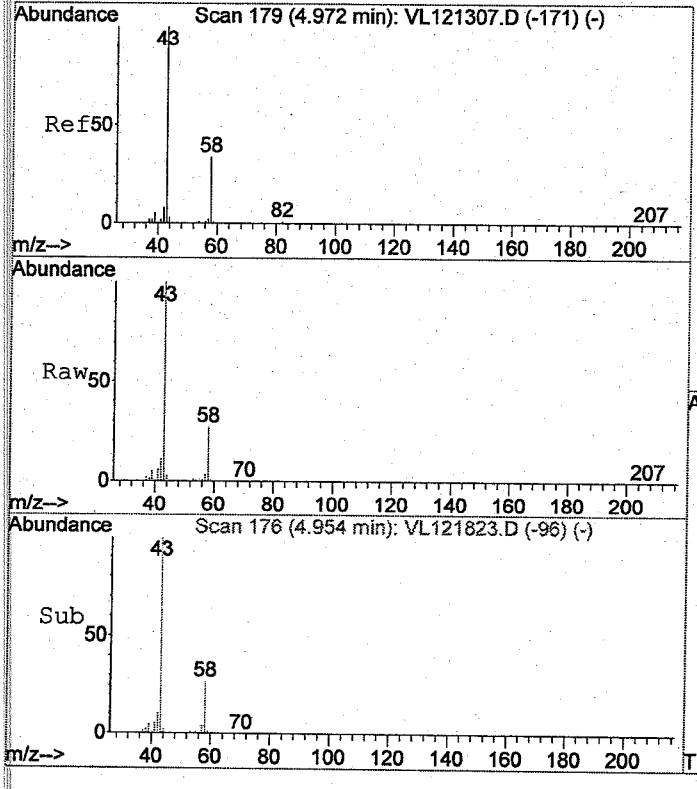


#10
Trichlorofluoromethane
Concen: 0.19 ppbv
RT: 5.07 min Scan# 195
Delta R.T. 0.00 min
Lab File: VL121823.D
Acq: 19 Dec 2006 3:02

Tgt Ion:101 Resp: 29725

Ion	Ratio	Lower	Upper
101	100		
103	59.7	51.1	76.7

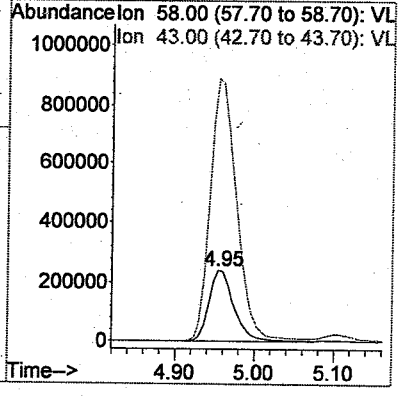


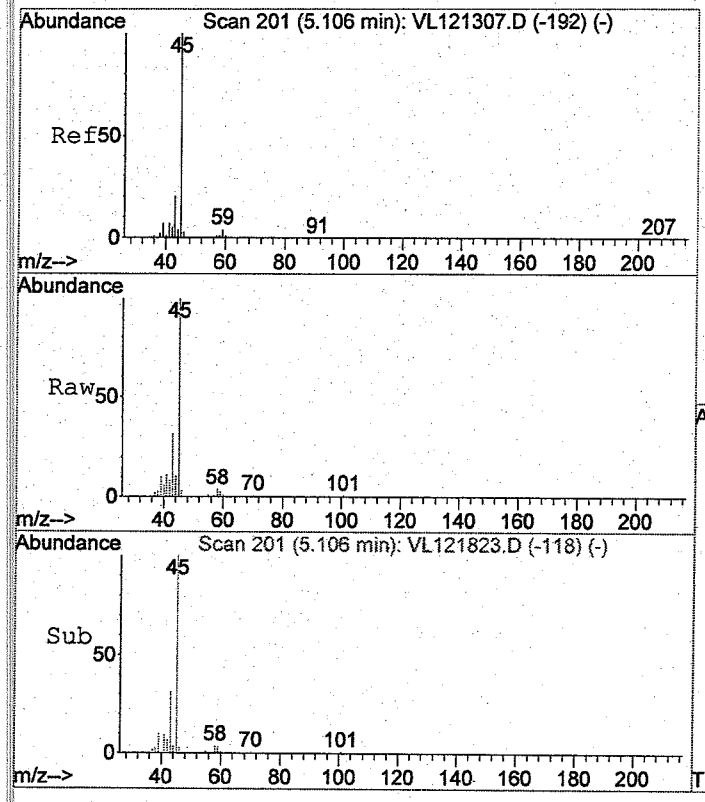


#13
Acetone
Concen: 26.82 ppbv
RT: 4.95 min Scan# 176
Delta R.T. -0.01 min
Lab File: VL121823.D
Acq: 19 Dec 2006 3:02

Tgt Ion: 58 Resp: 541563

Ion	Ratio	Lower	Upper
58	100		
43	385.1	240.0	360.0#

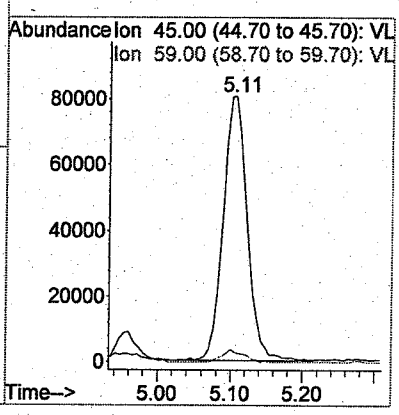


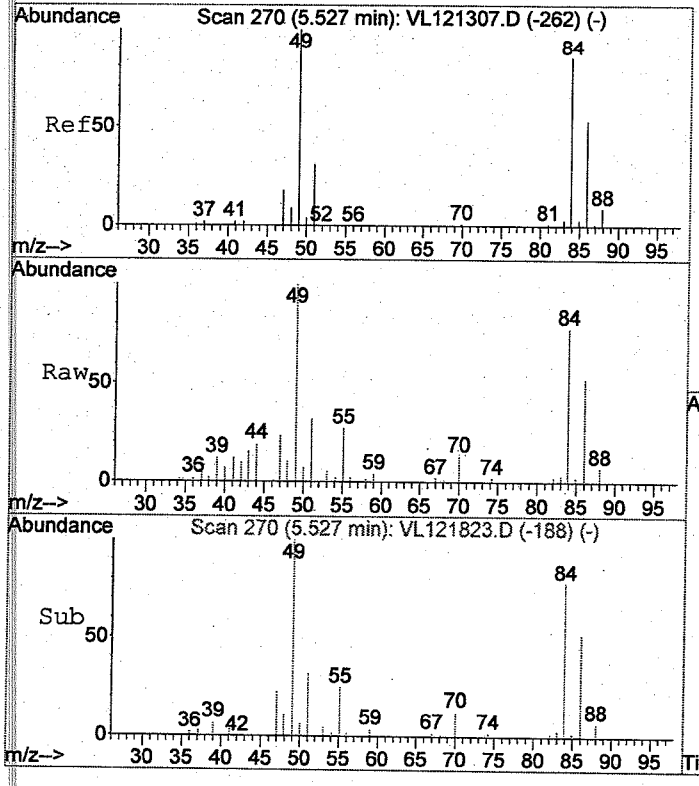


#16
Isopropyl Alcohol
Concen: 2.25 ppbv
RT: 5.11 min Scan# 201
Delta R.T. 0.01 min
Lab File: VL121823.D
Acq: 19 Dec 2006 3:02

Tgt Ion: 45 Resp: 188792

Ion	Ratio	Lower	Upper
45	100		
59	4.1	3.6	5.4

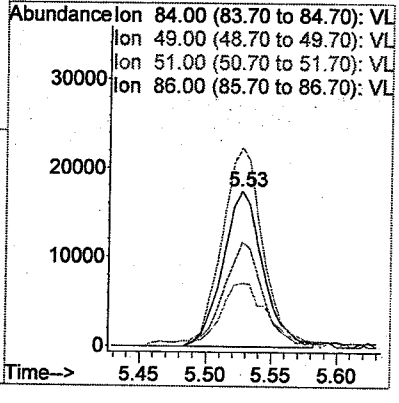


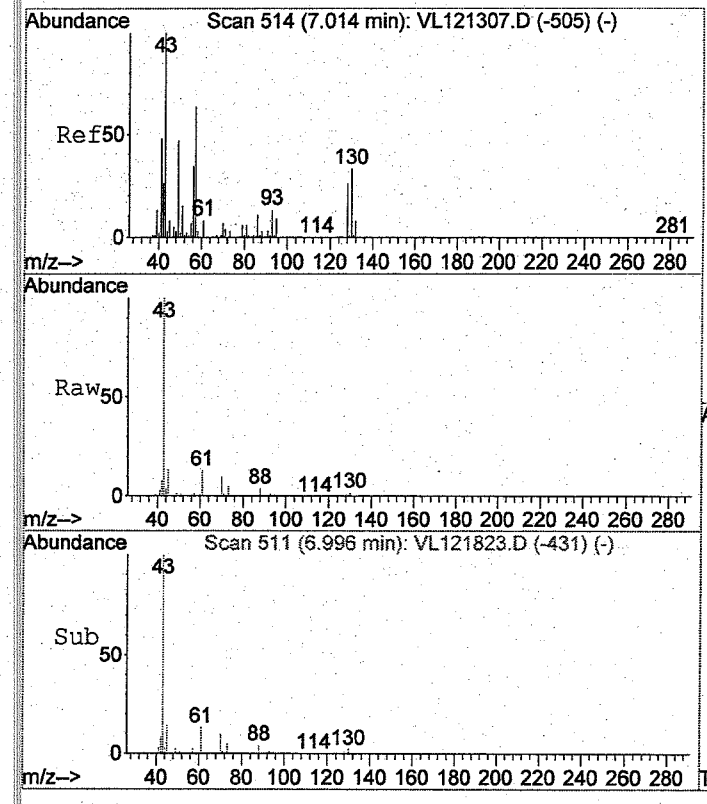


#17
Methylene Chloride
Concen: 1.02 ppbv
RT: 5.53 min Scan# 270
Delta R.T. 0.00 min
Lab File: VL121823.D
Acq: 19 Dec 2006 3:02

Tgt Ion: 84 Resp: 37530

Ion	Ratio	Lower	Upper
84	100		
49	128.4	71.8	107.6#
51	38.2	22.8	34.2#
86	67.0	51.6	77.4

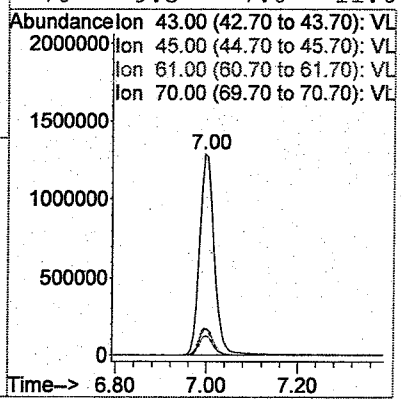


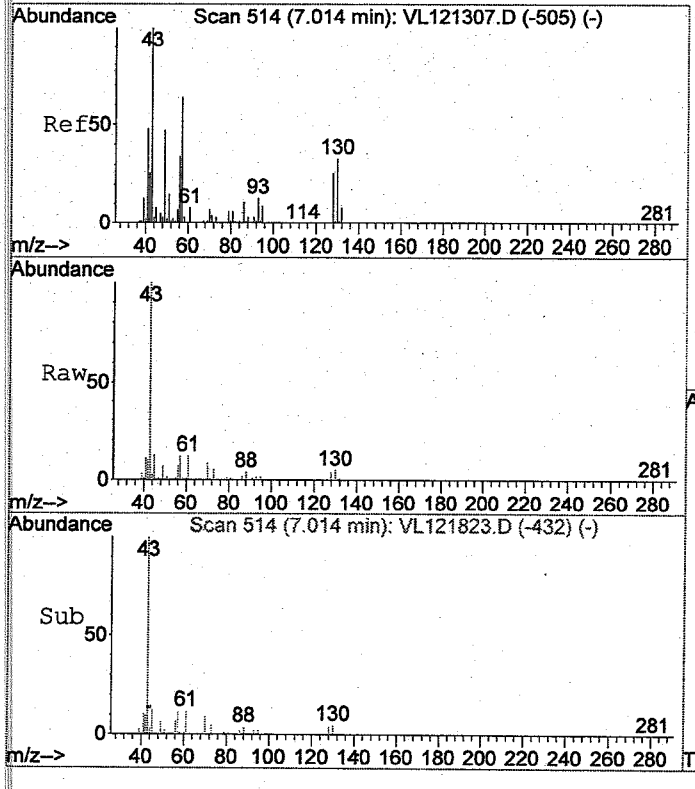


#22
Ethyl Acetate
Concen: 19.84 ppbv
RT: 7.00 min Scan# 511
Delta R.T. -0.01 min
Lab File: VL121823.D
Acq: 19 Dec 2006 3:02

Tgt Ion: 43 Resp: 2909461

Ion	Ratio	Lower	Upper
43	100		
45	13.4	7.4	11.0#
61	12.3	9.8	14.8
70	9.3	7.8	11.6

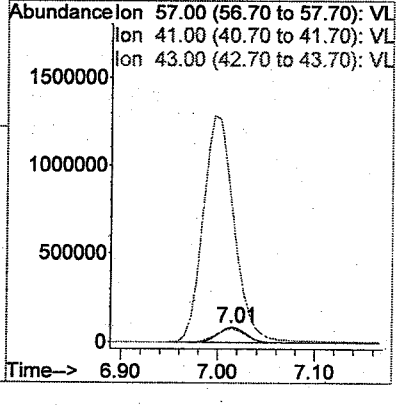


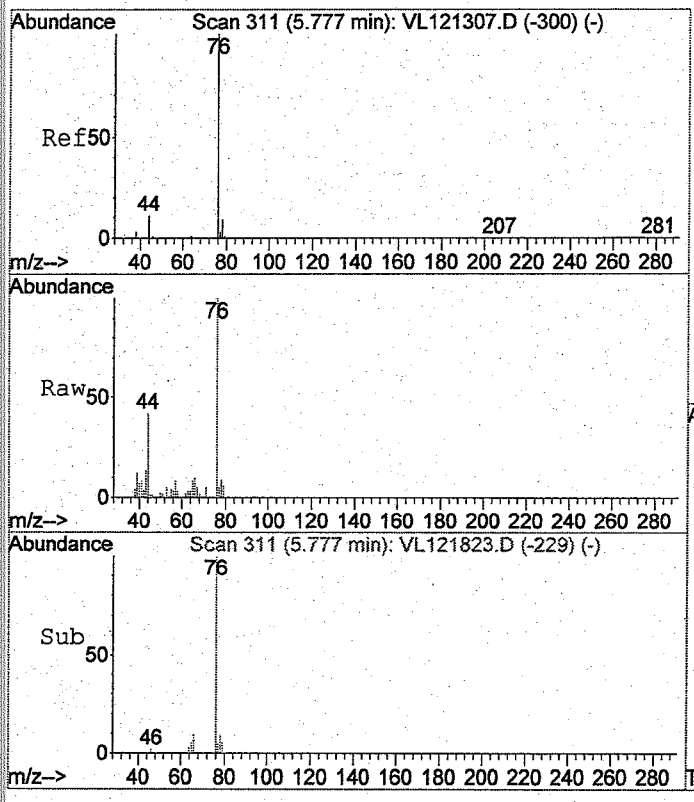


#23
Hexane
Concen: 2.45 ppbv
RT: 7.01 min Scan# 514
Delta R.T. 0.00 min
Lab File: VL121823.D
Acq: 19 Dec 2006 3:02

Tgt Ion: 57 Resp: 178865

Ion	Ratio	Lower	Upper
57	100		
41	96.8	56.2	84.4#
43	1626.6	129.8	194.6#

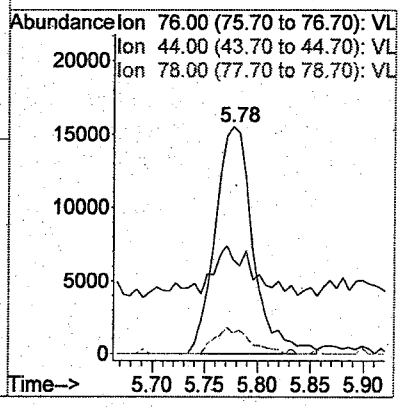


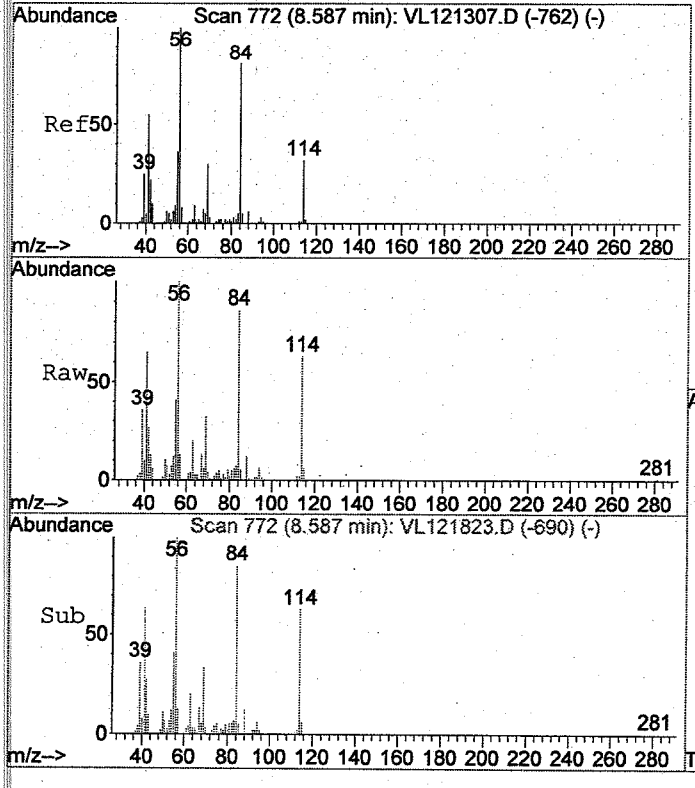


#24
Carbon Disulfide
Concen: 0.32 ppbv
RT: 5.78 min Scan# 311
Delta R.T. 0.00 min
Lab File: VL121823.D
Acq: 19 Dec 2006 3:02

Tgt Ion: 76 Resp: 38439

Ion	Ratio	Lower	Upper
76	100		
44	18.3	9.0	13.6#
78	11.0	7.4	11.2

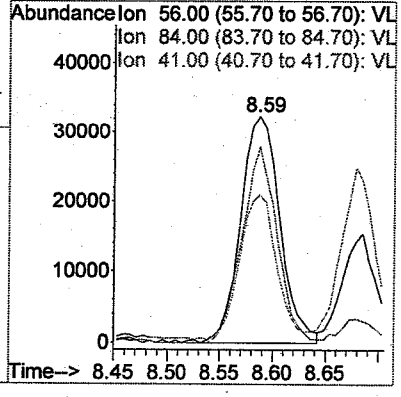


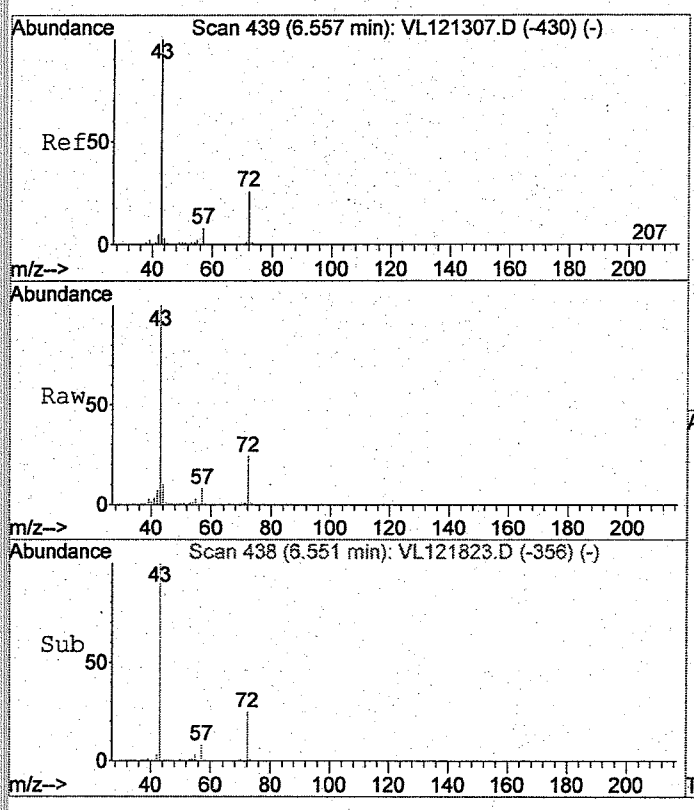


#27
Cyclohexane
Concen: 0.96 ppbv
RT: 8.59 min Scan# 772
Delta R.T. 0.00 min
Lab File: VL121823.D
Acq: 19 Dec 2006 3:02

Tgt Ion: 56 Resp: 82473

Ion	Ratio	Lower	Upper
56	100		
84	77.0	82.4	123.6#
41	59.2	39.2	58.8#

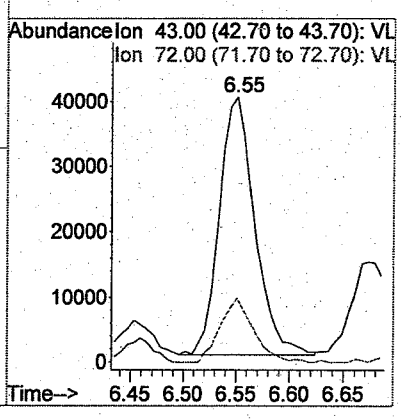


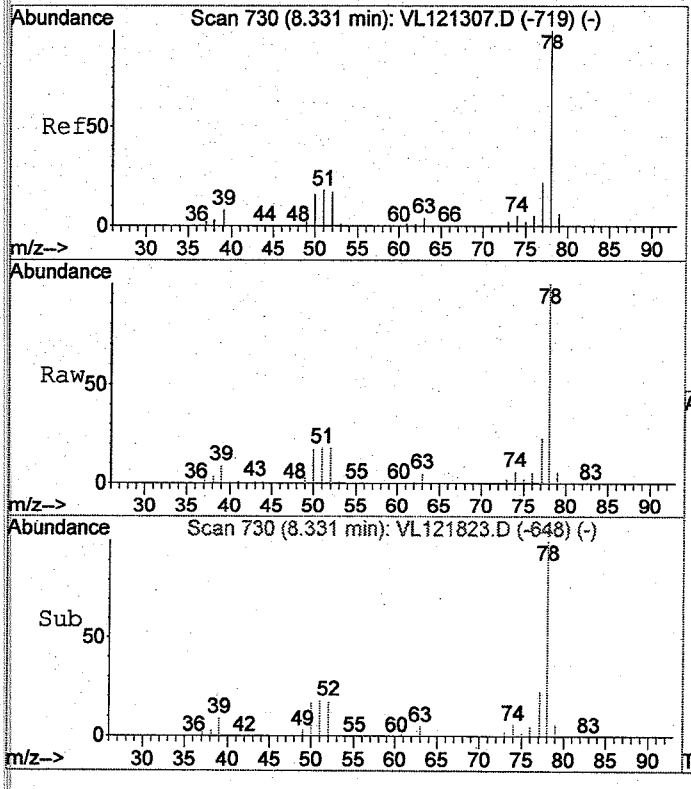


#31
2-Butanone
Concen: 1.11 ppbv
RT: 6.55 min Scan# 438
Delta R.T. 0.00 min
Lab File: VL121823.D
Acq: 19 Dec 2006 3:02

Tgt Ion: 43 Resp: 91446

Ion	Ratio	Lower	Upper
43	100		
72	23.2	25.8	38.8#

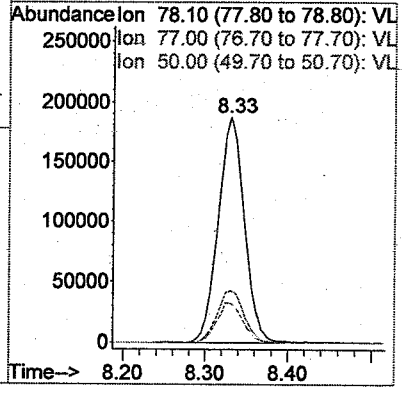


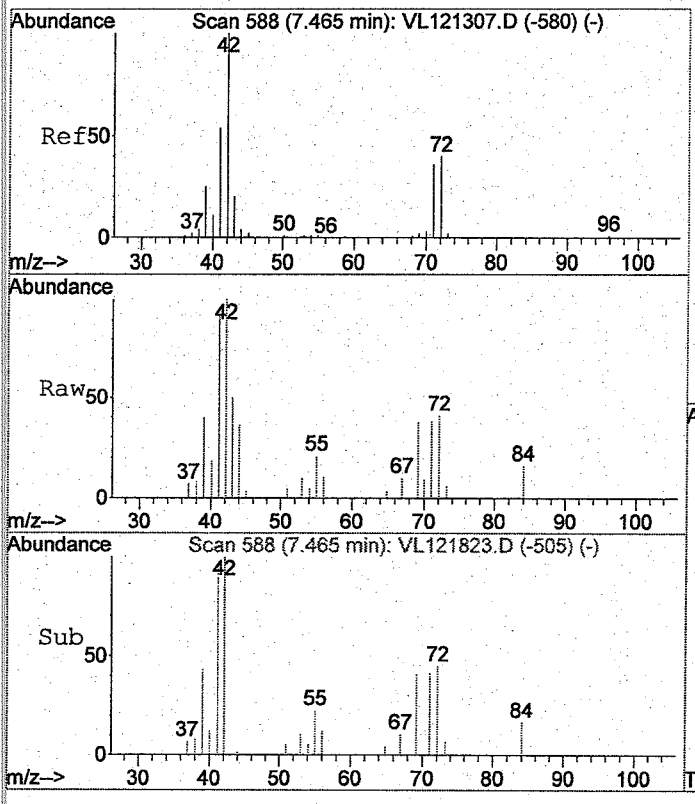


#33
Benzene
Concen: 3.60 ppbv
RT: 8.33 min Scan# 730
Delta R.T. 0.00 min
Lab File: VL121823.D
Acq: 19 Dec 2006 3:02

Tgt Ion: 78 Resp: 410831

Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.4	27.6
50	17.2	10.2	15.2#

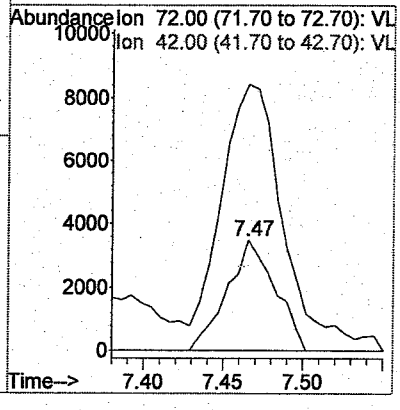


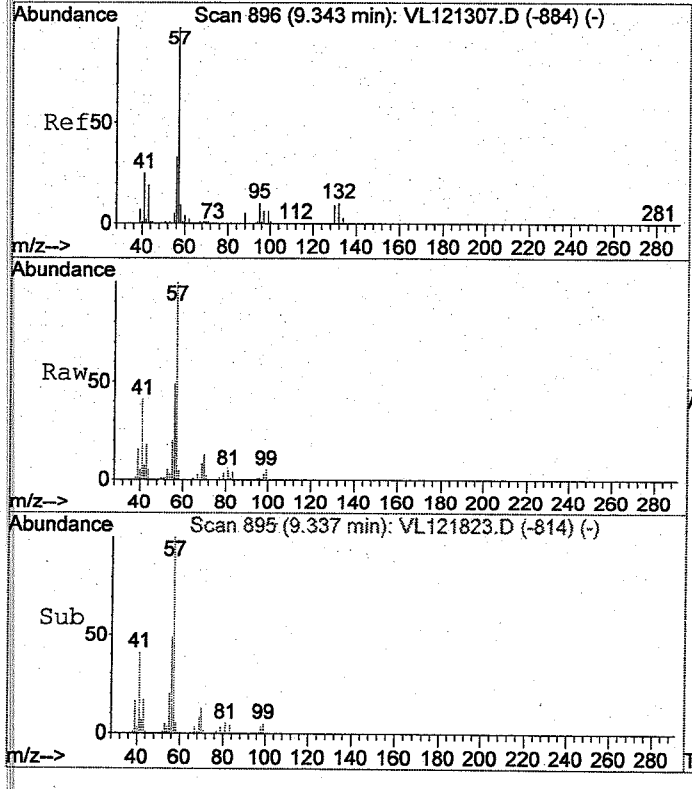


#38
Tetrahydrofuran
Concen: 0.44 ppbv
RT: 7.47 min Scan# 588
Delta R.T. 0.01 min
Lab File: VL121823.D
Acq: 19 Dec 2006 3:02

Tgt Ion: 72 Resp: 7331

Ion	Ratio	Lower	Upper
72	100		
42	312.6	127.1	236.1#

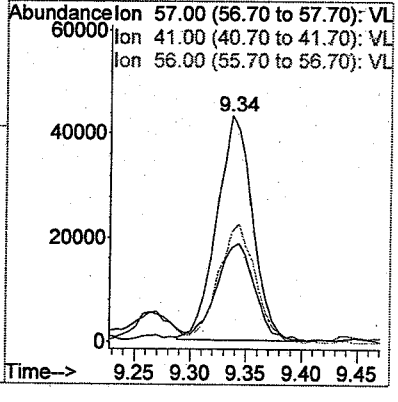


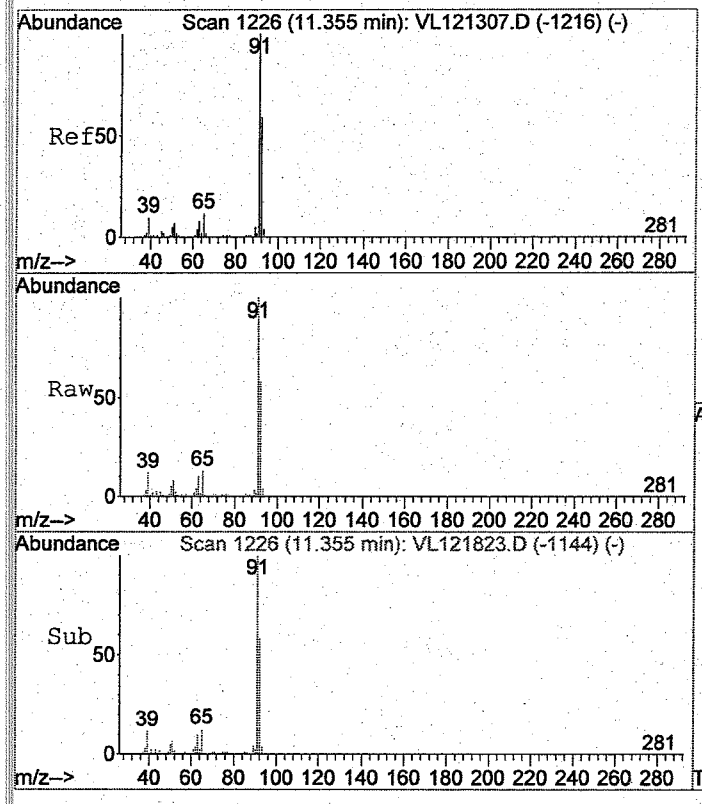


#40
2,2,4-Trimethylpentane
Concen: 0.46 ppbv
RT: 9.34 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL121823.D
Acq: 19 Dec 2006 3:02

Tgt Ion: 57 Resp: 95932

Ion	Ratio	Lower	Upper
57	100		
41	47.5	19.2	28.8#
56	53.8	25.0	37.6#

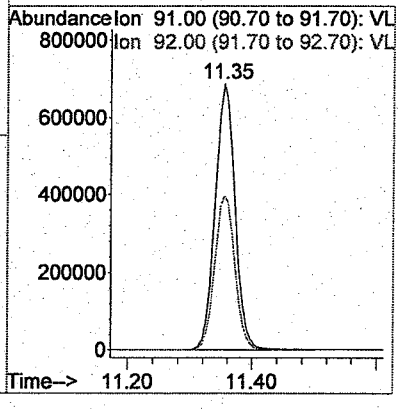


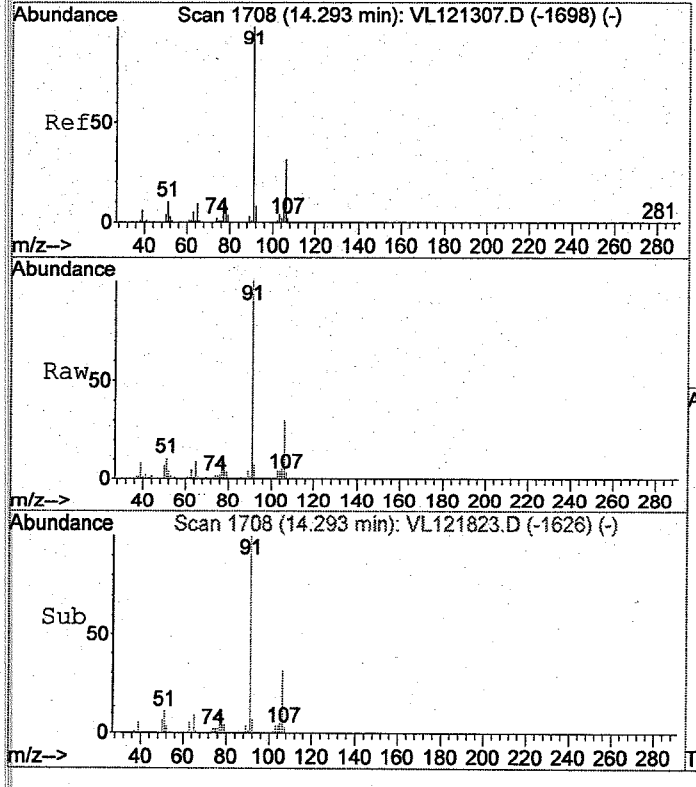


#49
Toluene
Concen: 13.72 ppbv
RT: 11.35 min Scan# 1226
Delta R.T. 0.00 min
Lab File: VL121823.D
Acq: 19 Dec 2006 3:02

Tgt Ion: 91 Resp: 1579666

Ion	Ratio	Lower	Upper
91	100		
92	59.0	47.9	71.9

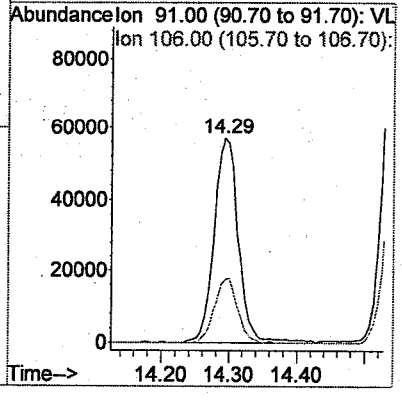


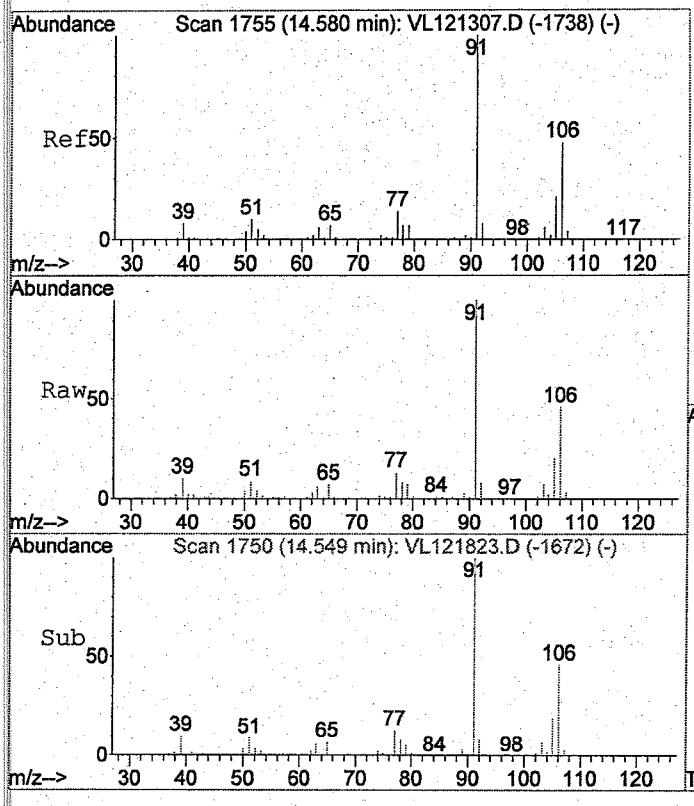


#53
Ethyl Benzene
Concen: 0.85 ppbv
RT: 14.29 min Scan# 1708
Delta R.T. 0.00 min
Lab File: VL121823.D
Acq: 19 Dec 2006 3:02

Tgt Ion: 91 Resp: 145682

Ion	Ratio	Lower	Upper
91	100		
106	30.4	26.2	39.4

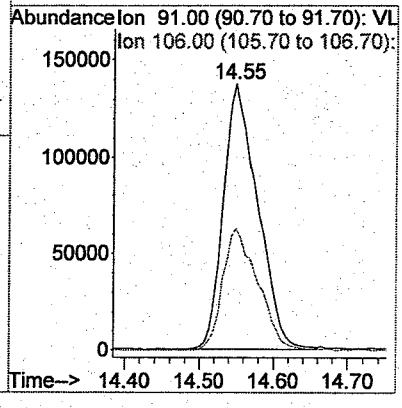


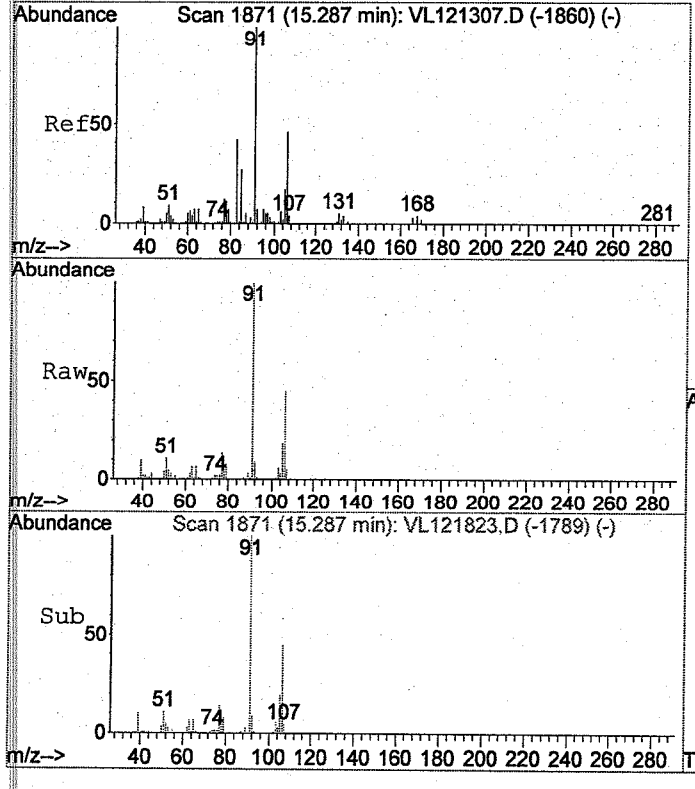


#54
m/p-Xylene
Concen: 3.15 ppbv
RT: 14.55 min Scan# 1750
Delta R.T. -0.02 min
Lab File: VL121823.D
Acq: 19 Dec 2006 3:02

Tgt Ion: 91 Resp: 441524

Ion	Ratio	Lower	Upper
91	100		
106	47.0	42.1	63.1

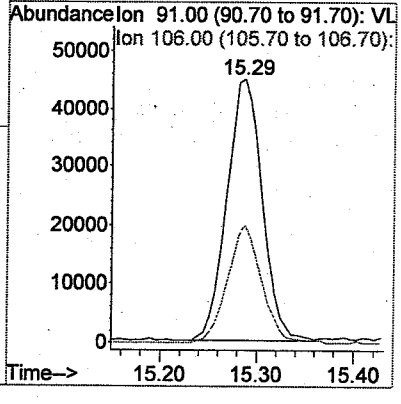


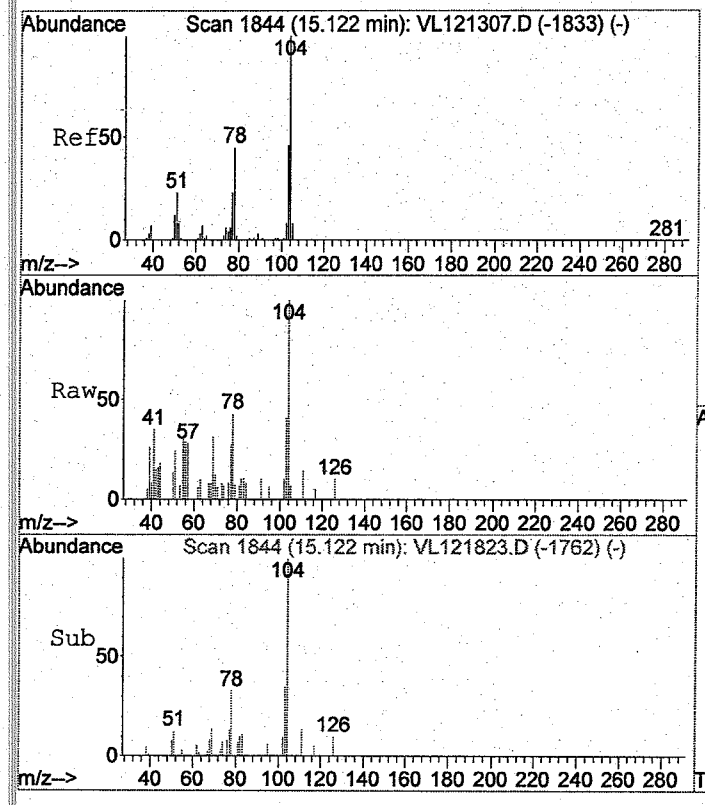


#55
o-Xylene
Concen: 0.74 ppbv
RT: 15.29 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VL121823.D
Acq: 19 Dec 2006 3:02

Tgt Ion: 91 Resp: 112882

Ion	Ratio	Lower	Upper
91	100		
106	43.1	24.8	74.4

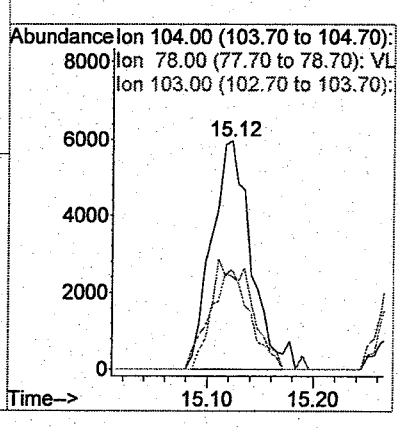


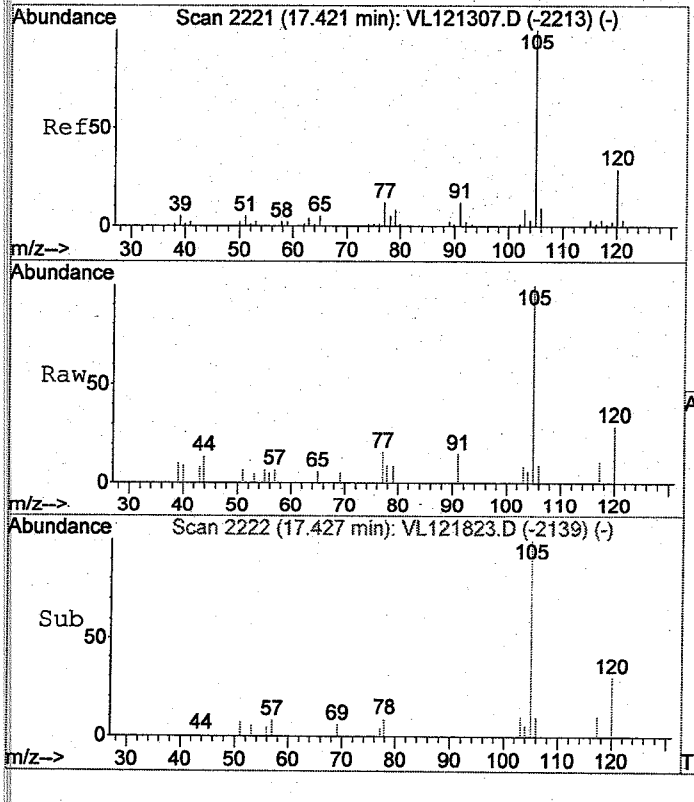


#56
Styrene
Concen: 0.20 ppbv
RT: 15.12 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VL121823.D
Acq: 19 Dec 2006 3:02

Tgt Ion:104 Resp: 15417

Ion	Ratio	Lower	Upper
104	100		
78	50.9	32.0	48.0#
103	41.7	35.9	53.9

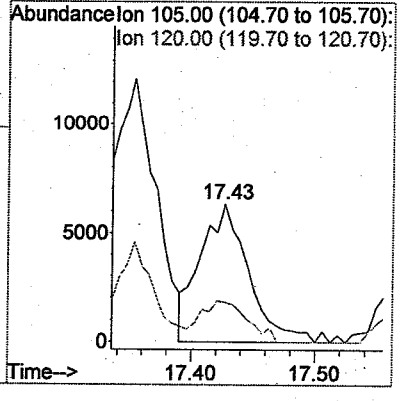


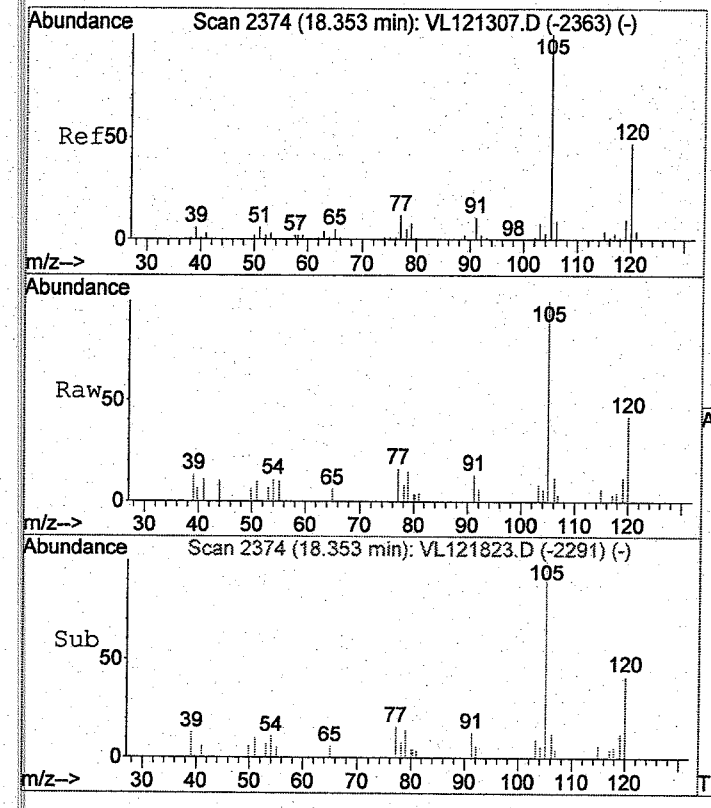


#60
4-Ethyltoluene
Concen: 0.28 ppbv
RT: 17.43 min Scan# 2222
Delta R.T. 0.01 min
Lab File: VL121823.D
Acq: 19 Dec 2006 3:02

Tgt Ion:105 Resp: 17167

Ion	Ratio	Lower	Upper
105	100		
120	28.2	25.4	38.0

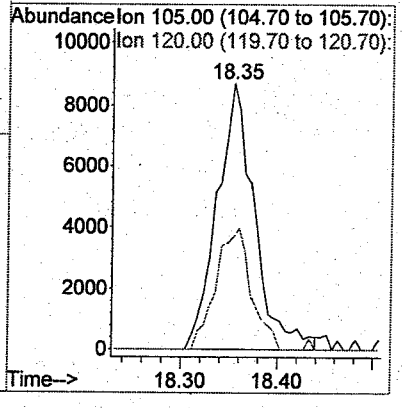




#62
1,2,4-Trimethylbenzene
Concen: 0.15 ppbv
RT: 18.35 min Scan# 2374
Delta R.T. 0.01 min
Lab File: VL121823.D
Acq: 19 Dec 2006 3:02

Tgt Ion:105 Resp: 23492

Ion	Ratio	Lower	Upper
105	100		
120	42.3	37.5	56.3



CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-2DL**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-02DL**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121824.D	5	12/19/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
TARGETS					
75-71-8	Dichlorodifluoromethane	2.47	U	2.47	0.79
74-87-3	Chloromethane	1.02	U	1.02	0.33
75-01-4	Vinyl Chloride	1.28	U	1.28	0.41
74-83-9	Bromomethane	1.94	U	1.94	0.43
75-00-3	Chloroethane	1.33	U	1.33	0.32
75-69-4	Trichlorofluoromethane	2.8	U	2.8	1.12
67-63-0	Isopropyl Alcohol	5.64	D	2.45	1.74
76-14-2	Dichlorotetrafluoethane	3.5	U	3.5	0.98
76-13-1	1,1,2-Trichlorotrifluoroethane	3.82	U	3.82	0.92
593-60-2	Bromoethene	2.19	U	2.19	0.92
115-07-1	Propene	9.02	D	4.29	0.41
142-82-5	Heptane	3.89	D	2.04	0.57
75-35-4	1,1-Dichloroethene	1.98	U	1.98	0.67
141-78-6	Ethyl Acetate	56.9	D	1.8	0.4
67-64-1	Acetone	51	D	2.37	1.49
75-15-0	Carbon disulfide	1.55	U	1.55	0.34
1634-04-4	Methyl tert-butyl Ether	1.8	U	1.8	0.79
75-09-2	Methylene Chloride	4.17	D	3.48	0.83
107-05-1	Allyl Chloride	1.57	U	1.57	0.38
156-60-5	trans-1,2-Dichloroethene	1.98	U	1.98	0.75
108-05-4	Vinyl Acetate	1.76	U	1.76	0.42
75-34-3	1,1-Dichloroethane	2.02	U	2.02	0.61
110-82-7	Cyclohexane	4.19	D	1.68	1.17
78-93-3	2-Butanone	3.83	D	2.94	1.03
56-23-5	Carbon Tetrachloride	3.15	U	3.15	1.89
156-59-2	cis-1,2-Dichloroethene	1.98	U	1.98	0.87
67-66-3	Chloroform	2.43	U	2.43	0.54
123-91-1	1,4-Dioxane	3.6	U	3.6	0.97
71-55-6	1,1,1-Trichloroethane	2.72	U	2.72	0.76
109-99-9	Tetrahydrofuran	2.94	U	2.94	0.88
540-84-1	2,2,4-Trimethylpentane	2.33	U	2.33	0.61

U = Not Detected
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J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-2DL**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-02DL**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121824.D	5	12/19/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
71-43-2	Benzene	12.8	D	1.6	0.51
107-06-2	1,2-Dichloroethane	2.02	U	2.02	1.3
79-01-6	Trichloroethene	2.68	U	2.68	1.07
78-87-5	1,2-Dichloropropane	2.31	U	2.31	1.25
75-27-4	Bromodichloromethane	3.35	U	3.35	1.21
108-10-1	4-Methyl-2-Pentanone	4.09	U	4.09	1.23
108-88-3	Toluene	43.8	D	1.88	1.02
10061-02-6	t-1,3-Dichloropropene	2.27	U	2.27	1.09
10061-01-5	cis-1,3-Dichloropropene	2.27	U	2.27	0.54
79-00-5	1,1,2-Trichloroethane	2.72	U	2.72	1.2
591-78-6	2-Hexanone	4.09	U	4.09	0.82
124-48-1	Dibromochloromethane	4.25	U	4.25	1.7
106-93-4	1,2-Dibromoethane	3.84	U	3.84	1.54
127-18-4	Tetrachloroethene	3.39	U	3.39	1.36
108-90-7	Chlorobenzene	2.31	U	2.31	1.11
100-41-4	Ethyl Benzene	2.6	D	2.17	0.74
126777-61-2	m/p-Xylene	8.67	D	4.34	1.82
95-47-6	o-Xylene	2.17	U	2.17	1.08
100-42-5	Styrene	2.13	U	2.13	0.85
75-25-2	Bromoform	5.17	U	5.17	1.86
79-34-5	1,1,2,2-Tetrachloroethane	3.44	U	3.44	1.65
108-67-8	1,3,5-Trimethylbenzene	2.45	U	2.45	1.33
95-63-6	1,2,4-Trimethylbenzene	2.45	U	2.45	1.18
622-96-8	4-Ethyltoluene	2.45	U	2.45	0.88
541-73-1	1,3-Dichlorobenzene	3.01	U	3.01	1.92
106-46-7	1,4-Dichlorobenzene	3.01	U	3.01	1.62
95-50-1	1,2-Dichlorobenzene	3.01	U	3.01	1.44
120-82-1	1,2,4-Trichlorobenzene	3.7	U	3.7	1.92
87-68-3	Hexachloro-1,3-butadiene	5.34	U	5.34	3.52
106-99-0	1,3-Butadiene	1.1	U	1.1	0.75
110-54-3	Hexane	9.15	D	3.52	0.42
100-44-7	Benzyl Chloride	2.88	U	2.88	1.04

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Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-2DL**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-02DL**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121824.D	5	12/19/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
SURROGATES					
460-00-4	1-Bromo-4-Fluorobenzene	1.92	77 %	65 - 135	
INTERNAL STANDARDS					
74-97-5	Bromochloromethane	120825	7.01		
540-36-3	1,4-Difluorobenzene	252067	8.61		
3114-55-4	Chlorobenzene-d5	219107	13.69		

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-2DL**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-02DL**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121824.D	5	12/19/2006	121806

CAS Number	Parameter	Conc. ppbv	Qualifier	RL ppbv	MDL ppbv
TARGETS					
75-71-8	Dichlorodifluoromethane	0.5	U	0.5	0.160
74-87-3	Chloromethane	0.5	U	0.5	0.160
75-01-4	Vinyl Chloride	0.5	U	0.5	0.160
74-83-9	Bromomethane	0.5	U	0.5	0.110
75-00-3	Chloroethane	0.5	U	0.5	0.120
75-69-4	Trichlorofluoromethane	0.5	U	0.5	0.200
67-63-0	Isopropyl Alcohol	2.3	D	1.0	0.710
76-14-2	Dichlorotetrafluoethane	0.5	U	0.5	0.140
76-13-1	1,1,2-Trichlorotrifluoroethane	0.5	U	0.5	0.120
593-60-2	Bromoethene	0.5	U	0.5	0.210
115-07-1	Propene	5.2	D	2.5	0.240
142-82-5	Heptane	1.0	D	0.5	0.140
75-35-4	1,1-Dichloroethene	0.5	U	0.5	0.170
141-78-6	Ethyl Acetate	16	D	0.5	0.110
67-64-1	Acetone	22	D	1.0	0.630
75-15-0	Carbon disulfide	0.5	U	0.5	0.110
1634-04-4	Methyl tert-butyl Ether	0.5	U	0.5	0.220
75-09-2	Methylene Chloride	1.2	D	1.0	0.240
107-05-1	Allyl Chloride	0.5	U	0.5	0.120
156-60-5	trans-1,2-Dichloroethene	0.5	U	0.5	0.190
108-05-4	Vinyl Acetate	0.5	U	0.5	0.120
75-34-3	1,1-Dichloroethane	0.5	U	0.5	0.150
110-82-7	Cyclohexane	1.2	D	0.5	0.350
78-93-3	2-Butanone	1.3	D	1.0	0.350
56-23-5	Carbon Tetrachloride	0.5	U	0.5	0.300
156-59-2	cis-1,2-Dichloroethene	0.5	U	0.5	0.220
67-66-3	Chloroform	0.5	U	0.5	0.110
123-91-1	1,4-Dioxane	1.0	U	1.0	0.270
71-55-6	1,1,1-Trichloroethane	0.5	U	0.5	0.140
109-99-9	Tetrahydrofuran	1.0	U	1.0	0.300
540-84-1	2,2,4-Trimethylpentane	0.5	U	0.5	0.130

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-2DL**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-02DL**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121824.D	5	12/19/2006	121806

CAS Number	Parameter	Conc. ppbv	Qualifier	RL ppbv	MDL ppbv
71-43-2	Benzene	4.0	D	0.5	0.160
107-06-2	1,2-Dichloroethane	0.5	U	0.5	0.320
79-01-6	Trichloroethene	0.5	U	0.5	0.200
78-87-5	1,2-Dichloropropane	0.5	U	0.5	0.270
75-27-4	Bromodichloromethane	0.5	U	0.5	0.180
108-10-1	4-Methyl-2-Pentanone	1.0	U	1.0	0.300
108-88-3	Toluene	12	D	0.5	0.270
10061-02-6	t-1,3-Dichloropropene	0.5	U	0.5	0.240
10061-01-5	cis-1,3-Dichloropropene	0.5	U	0.5	0.120
79-00-5	1,1,2-Trichloroethane	0.5	U	0.5	0.220
591-78-6	2-Hexanone	1.0	U	1.0	0.200
124-48-1	Dibromochloromethane	0.5	U	0.5	0.200
106-93-4	1,2-Dibromoethane	0.5	U	0.5	0.200
127-18-4	Tetrachloroethene	0.5	U	0.5	0.200
108-90-7	Chlorobenzene	0.5	U	0.5	0.240
100-41-4	Ethyl Benzene	0.6	D	0.5	0.170
126777-61-2	m/p-Xylene	2.0	D	1.0	0.420
95-47-6	o-Xylene	0.5	U	0.5	0.250
100-42-5	Styrene	0.5	U	0.5	0.200
75-25-2	Bromoform	0.5	U	0.5	0.180
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U	0.5	0.240
108-67-8	1,3,5-Trimethylbenzene	0.5	U	0.5	0.270
95-63-6	1,2,4-Trimethylbenzene	0.5	U	0.5	0.240
622-96-8	4-Ethyltoluene	0.5	U	0.5	0.180
541-73-1	1,3-Dichlorobenzene	0.5	U	0.5	0.320
106-46-7	1,4-Dichlorobenzene	0.5	U	0.5	0.270
95-50-1	1,2-Dichlorobenzene	0.5	U	0.5	0.240
120-82-1	1,2,4-Trichlorobenzene	0.5	U	0.5	0.260
87-68-3	Hexachloro-1,3-butadiene	0.5	U	0.5	0.330
106-99-0	1,3-Butadiene	0.5	U	0.5	0.340
110-54-3	Hexane	2.6	D	1.0	0.120
100-44-7	Benzyl Chloride	0.5	U	0.5	0.180

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-2DL**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-02DL**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121824.D	5	12/19/2006	121806

CAS Number	Parameter	Conc. ppbv	Qualifier	RL ppbv	MDL ppbv
SURROGATES					
460-00-4	1-Bromo-4-Fluorobenzene	1.92	77 %	65 - 135	
INTERNAL STANDARDS					
74-97-5	Bromochloromethane	120825	7.01		
540-36-3	1,4-Difluorobenzene	252067	8.61		
3114-55-4	Chlorobenzene-d5	219107	13.69		

U = Not Detected
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MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

Quantitation Report (QT Reviewed)

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL121806\
Data File : VL121824.D
Acq On : 19 Dec 2006 3:40
Operator : LJC
Sample : X5778-02DL DF5
Misc : 80ml, DF5
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 19 10:35:28 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 09:05:30 2006
QLast Update : Tue Dec 19 09:05:30 2006
Response via : Initial Calibration

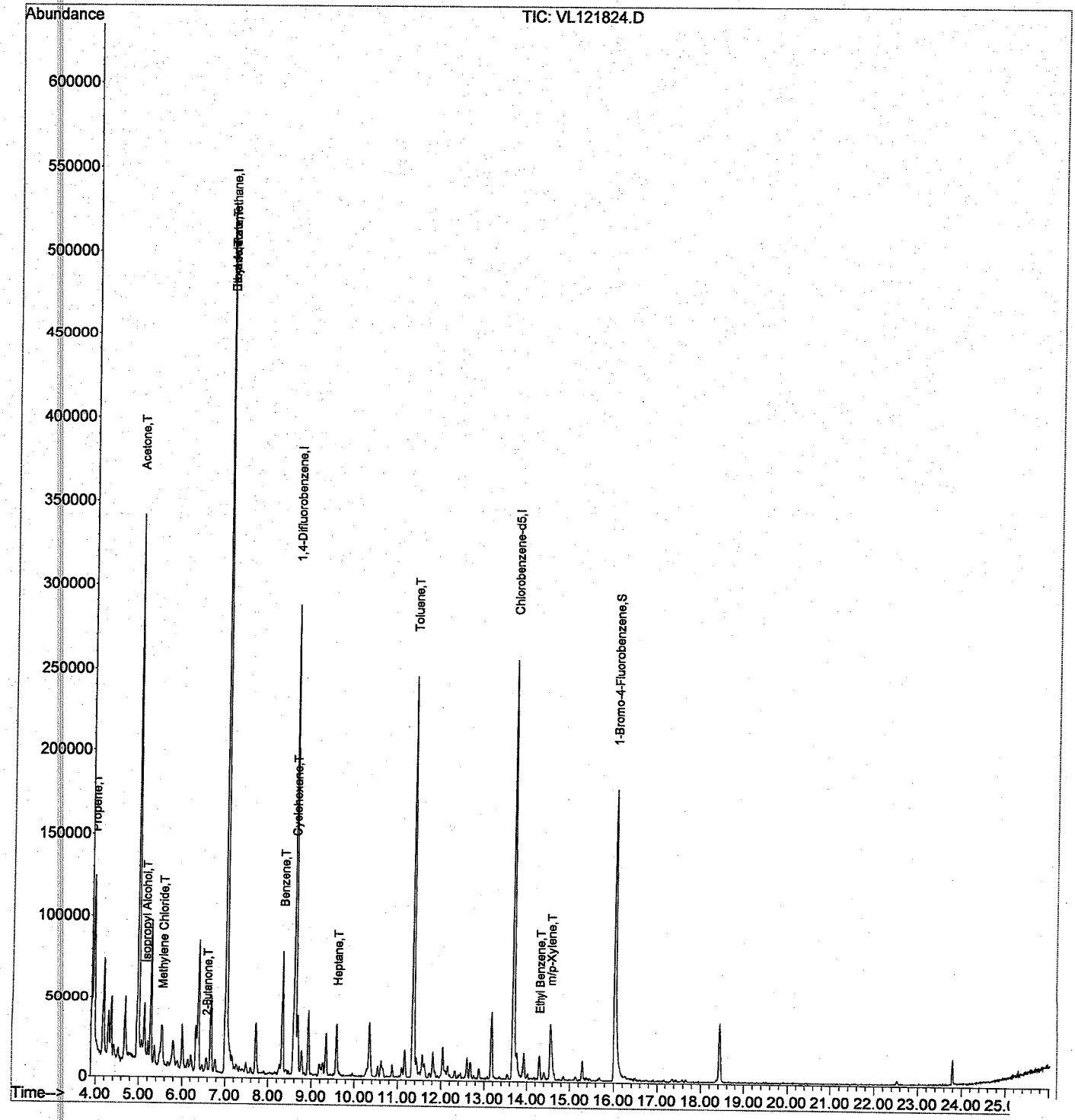
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	7.01	49	120825	2.50	ppbv		0.00
30) 1,4-Difluorobenzene	8.61	114	252067	2.50	ppbv		0.00
51) Chlorobenzene-d5	13.69	117	219107	2.50	ppbv		0.00
System Monitoring Compounds							
59) 1-Bromo-4-Fluorobenzene	16.02	95	118645	1.92	ppbv		0.00
Spiked Amount 2.500	Range 70 - 130		Recovery = 76.80%				
Target Compounds							Qvalue
8) Propene	3.94	41	40474	1.05	ppbv	#	79
9) Heptane	9.59	43	14708	0.19	ppbv		87
13) Acetone	4.97	58	79868	4.30	ppbv	#	46
16) Isopropyl Alcohol	5.12	45	35494	0.46	ppbv	#	96
17) Methylene Chloride	5.52	84	8097	0.24	ppbv	#	80
22) Ethyl Acetate	7.01	43	426697	3.16	ppbv	#	96
23) Hexane	7.02	57	34854	0.52	ppbv	#	1
27) Cyclohexane	8.59	56	19924	0.25	ppbv	#	79
31) 2-Butanone	6.56	43	17619	0.26	ppbv	#	75
33) Benzene	8.33	78	76612	0.80	ppbv	#	94
49) Toluene	11.35	91	224986	2.33	ppbv		99
53) Ethyl Benzene	14.30	91	15421	0.12	ppbv		89
54) m/p-Xylene	14.55	91	42325	0.40	ppbv		88

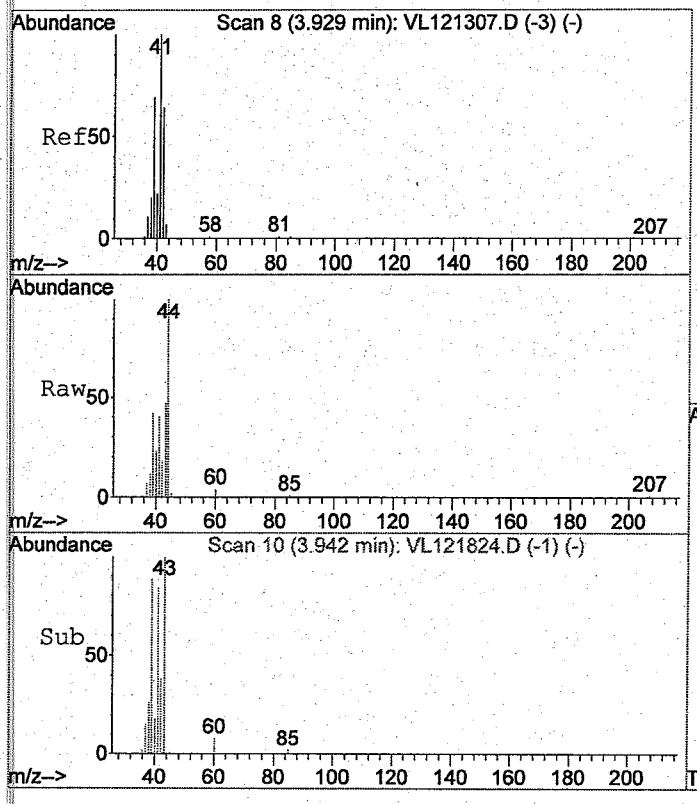
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL121806\
Data File : VL121824.D
Acq On : 19 Dec 2006 3:40
Operator : LJC
Sample : X5778-02DL DF5
Misc : 80ml, DF5
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 19 10:35:28 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 09:05:30 2006
QLast Update : Tue Dec 19 09:05:30 2006
Response via : Initial Calibration

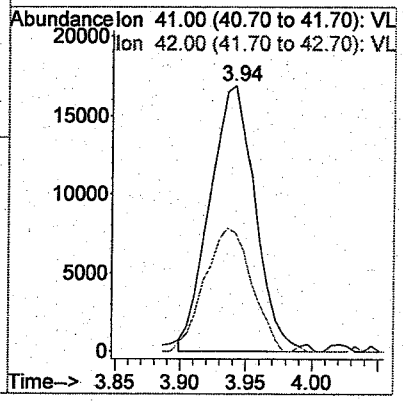


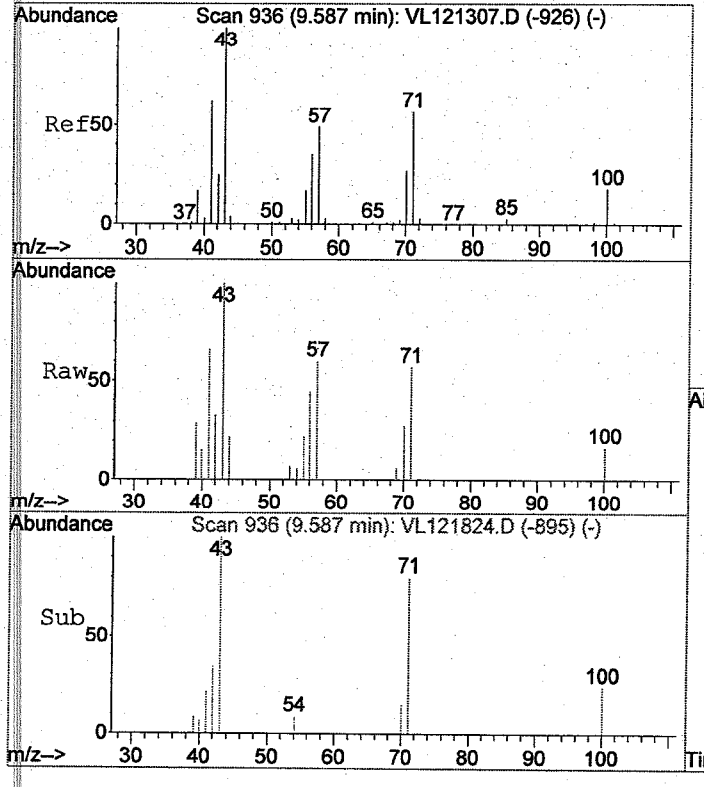


#8
Propene
Concen: 1.05 ppbv
RT: 3.94 min Scan# 10
Delta R.T. 0.01 min
Lab File: VL121824.D
Acq: 19 Dec 2006 3:40

Tgt Ion: 41 Resp: 40474

Ion	Ratio	Lower	Upper
41	100		
42	47.6	51.2	76.8#

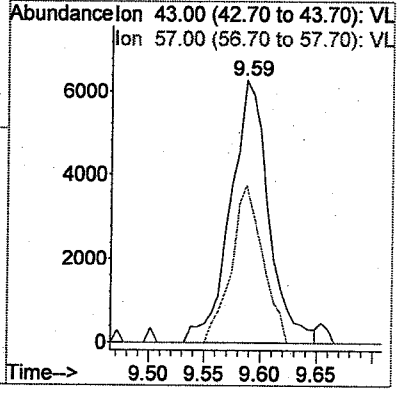


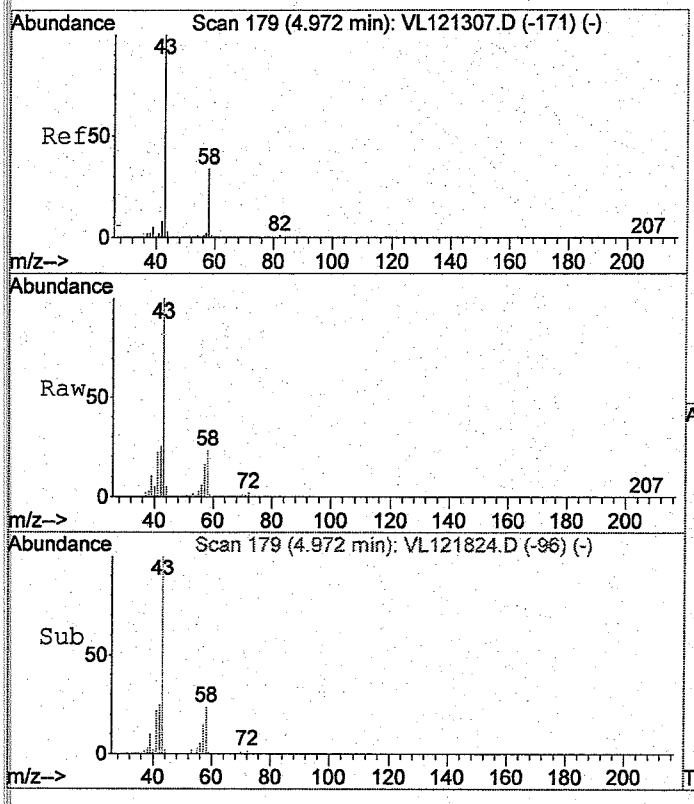


#9
Heptane
Concen: 0.19 ppbv
RT: 9.59 min Scan# 936
Delta R.T. 0.00 min
Lab File: VL121824.D
Acq: 19 Dec 2006 3:40

Tgt Ion: 43 Resp: 14708

Ion	Ratio	Lower	Upper
43	100		
57	49.5	47.8	71.6

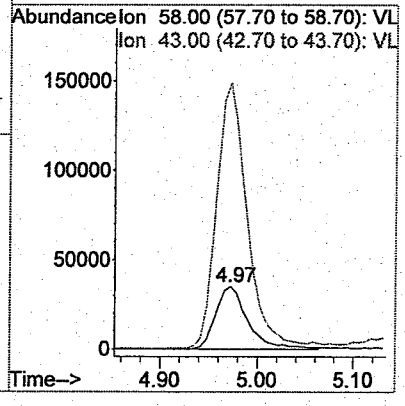


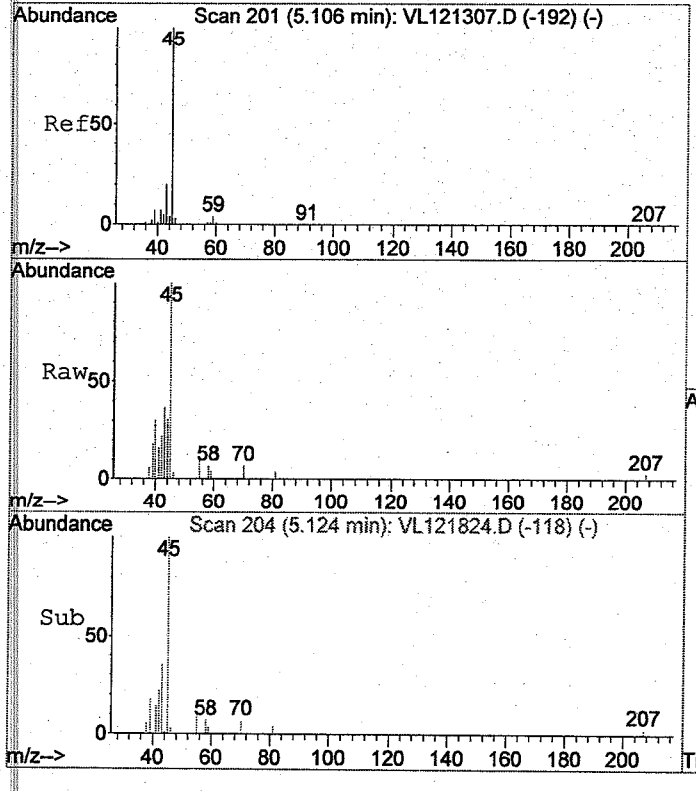


#13
Acetone
Concen: 4.30 ppbv
RT: 4.97 min Scan# 179
Delta R.T. 0.01 min
Lab File: VL121824.D
Acq: 19 Dec 2006 3:40

Tgt Ion: 58 Resp: 79868

Ion	Ratio	Lower	Upper
58	100		
43	406.2	240.0	360.0#

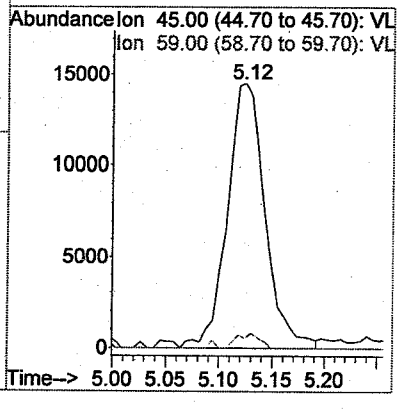


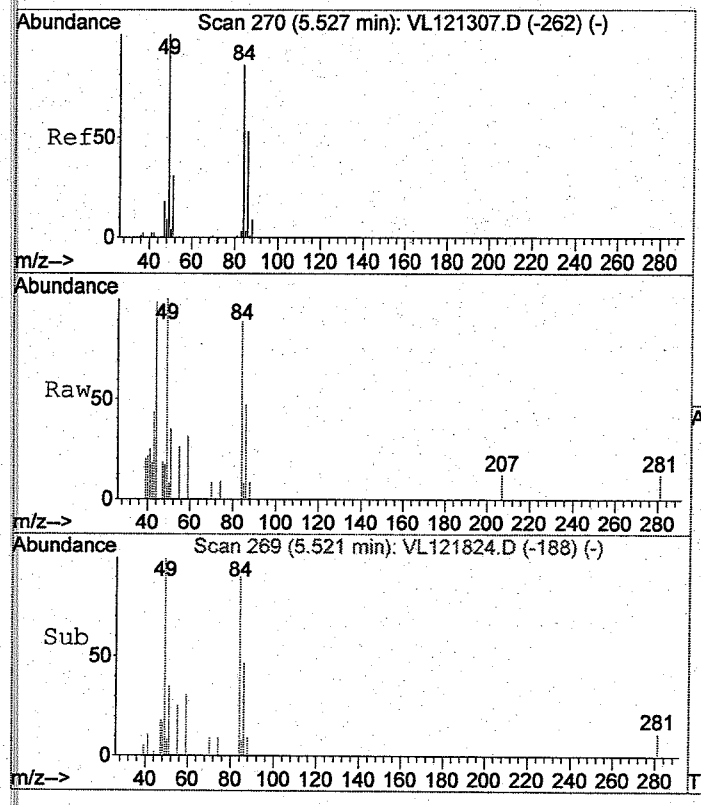


#16
Isopropyl Alcohol
Concen: 0.46 ppbv
RT: 5.12 min Scan# 204
Delta R.T. 0.02 min
Lab File: VL121824.D
Acq: 19 Dec 2006 3:40

Tgt Ion: 45 Resp: 35494

Ion	Ratio	Lower	Upper
45	100		
59	3.3	3.6	5.4#

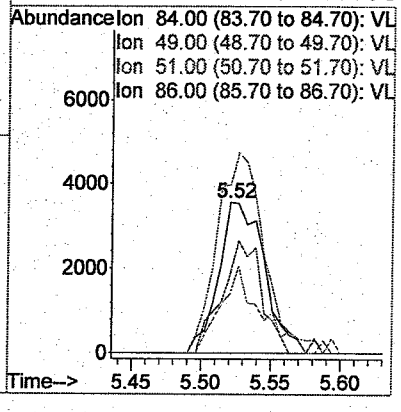


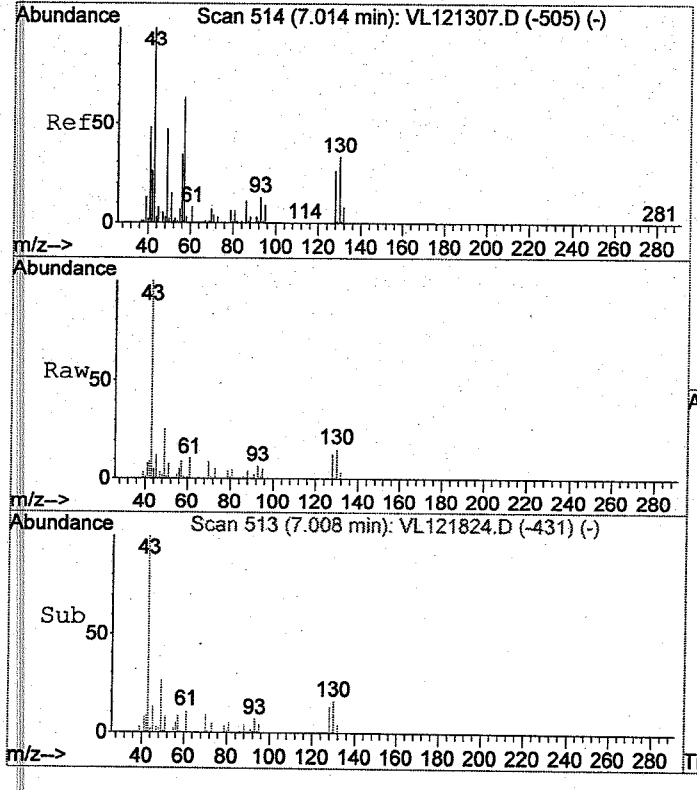


#17
Methylene Chloride
Concen: 0.24 ppbv
RT: 5.52 min Scan# 269
Delta R.T. -0.01 min
Lab File: VL121824.D
Acq: 19 Dec 2006 3:40

Tgt Ion: 84 Resp: 8097

Ion	Ratio	Lower	Upper
84	100		
49	111.7	71.8	107.6#
51	39.6	22.8	34.2#
86	52.4	51.6	77.4

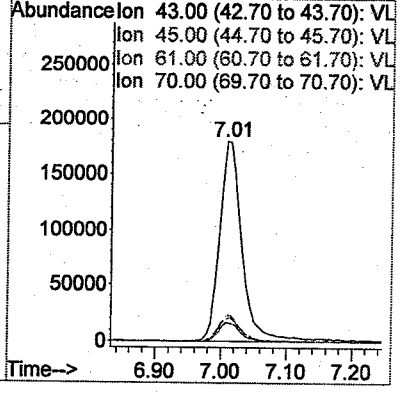


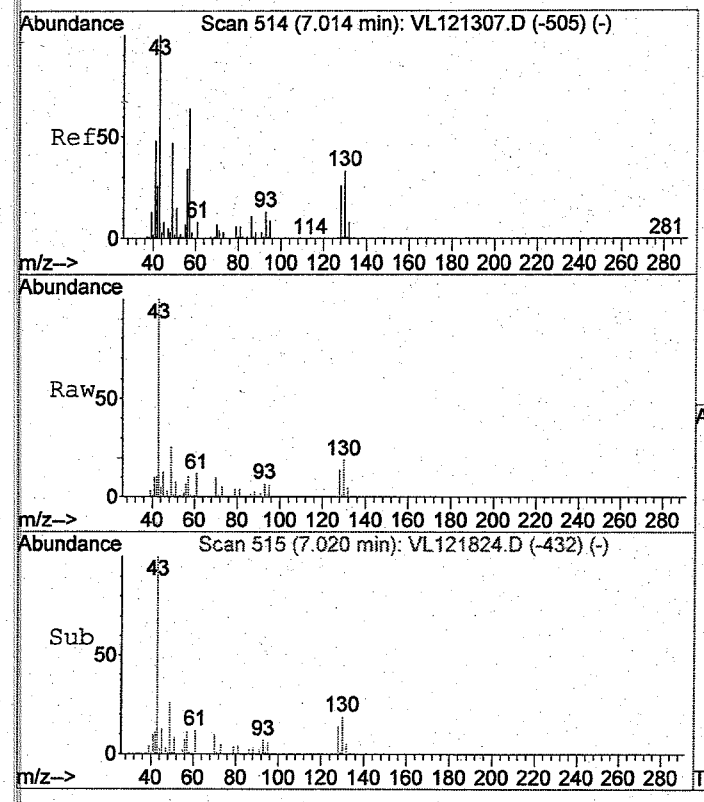


#22
Ethyl Acetate
Concen: 3.16 ppbv
RT: 7.01 min Scan# 513
Delta R.T. 0.00 min
Lab File: VL121824.D
Acq: 19 Dec 2006 3:40

Tgt Ion: 43 Resp: 426697

Ion	Ratio	Lower	Upper
43	100		
45	13.0	7.4	11.0#
61	11.7	9.8	14.8
70	9.3	7.8	11.6

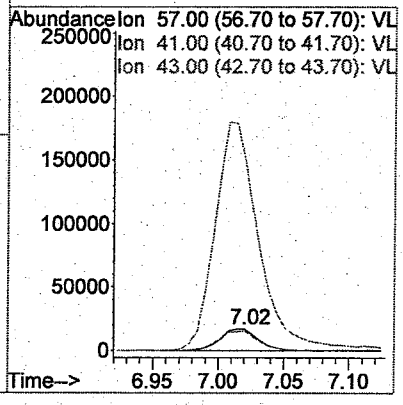


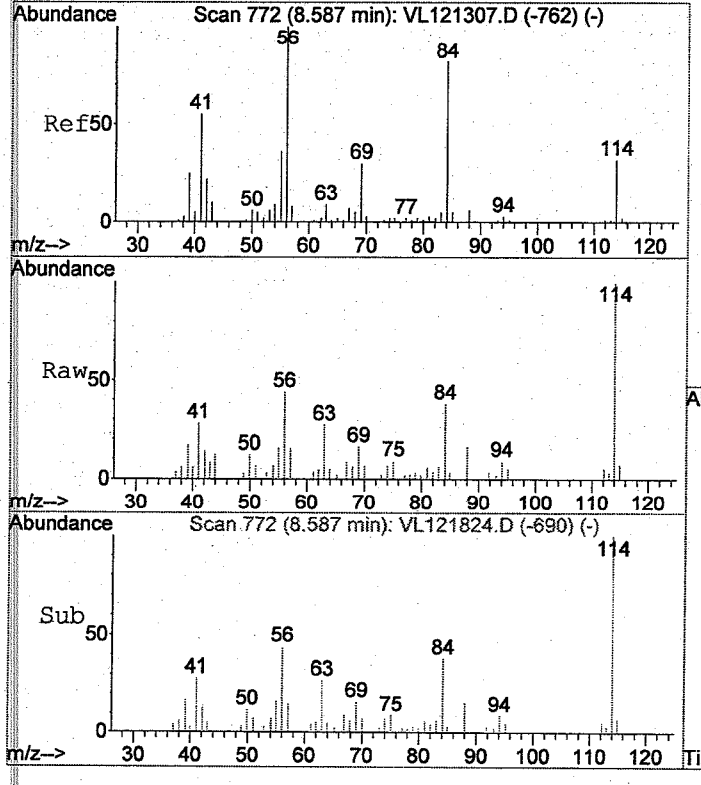


#23
Hexane
Concen: 0.52 ppbv
RT: 7.02 min Scan# 515
Delta R.T. 0.01 min
Lab File: VL121824.D
Acq: 19 Dec 2006 3:40

Tgt Ion: 57 Resp: 34854

Ion	Ratio	Lower	Upper
57	100		
41	97.0	56.2	84.4#
43	1224.2	129.8	194.6#

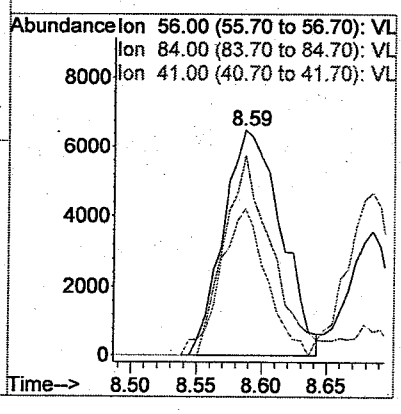


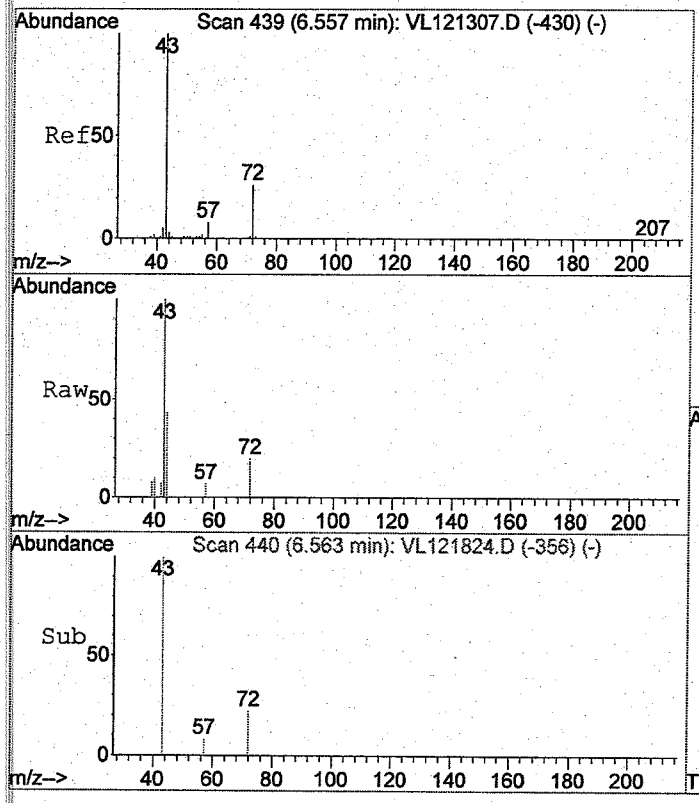


#27
Cyclohexane
Concen: 0.25 ppbv
RT: 8.59 min Scan# 772
Delta R.T. 0.00 min
Lab File: VL121824.D
Acq: 19 Dec 2006 3:40

Tgt Ion: 56 Resp: 19924

Ion	Ratio	Lower	Upper
56	100		
84	73.6	82.4	123.6#
41	52.7	39.2	58.8

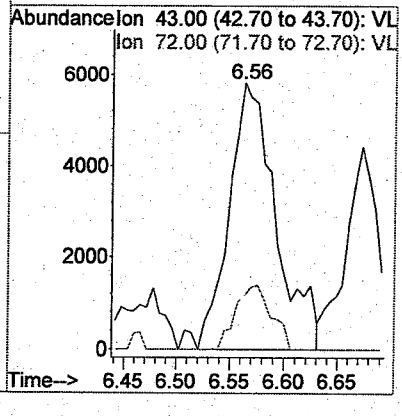


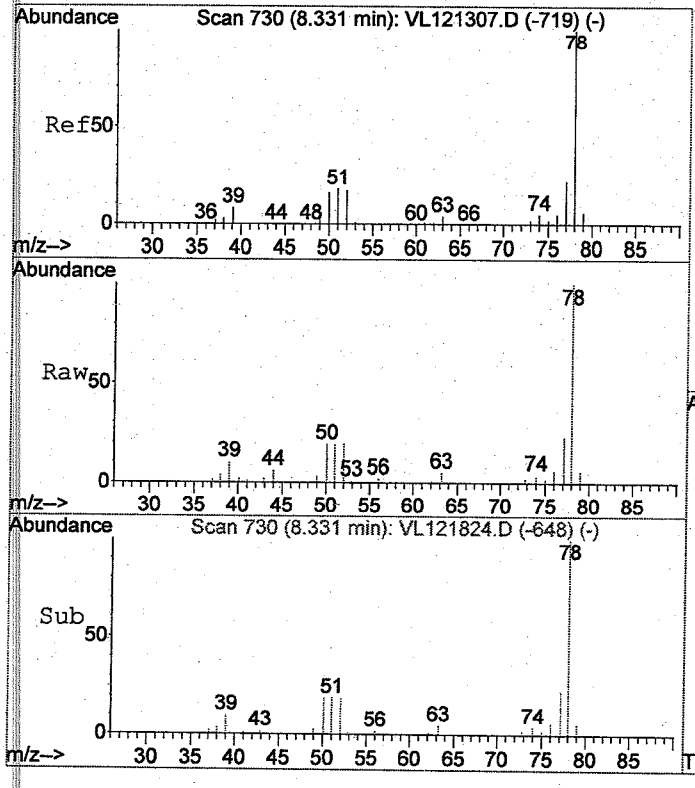


#31
2-Butanone
Concen: 0.26 ppbv
RT: 6.56 min Scan# 440
Delta R.T. 0.01 min
Lab File: VL121824.D
Acq: 19 Dec 2006 3:40

Tgt Ion: 43 Resp: 17619

Ion	Ratio	Lower	Upper
43	100		
72	18.0	25.8	38.8#

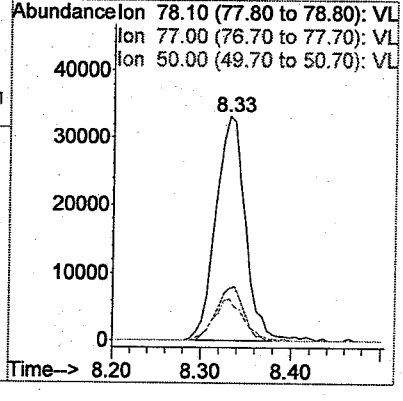


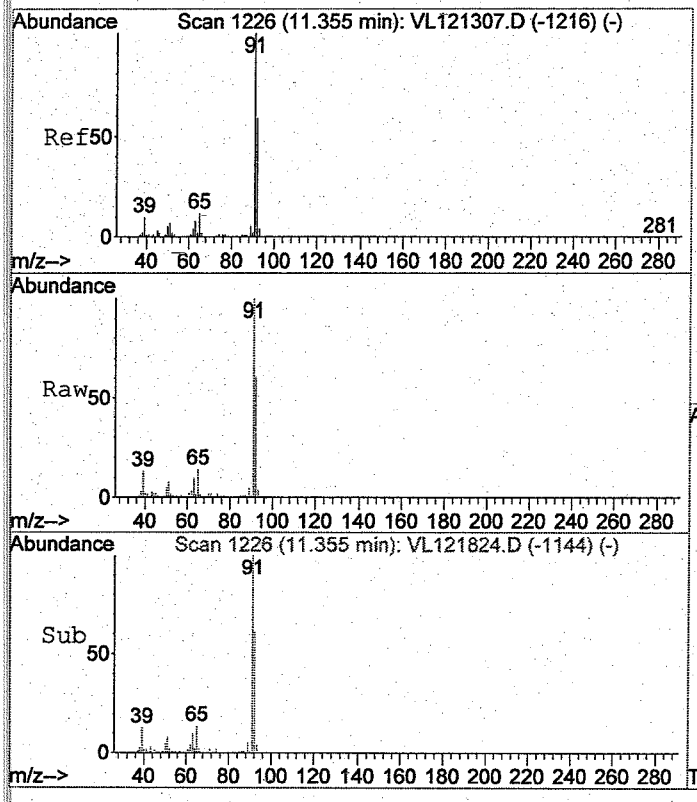


#33
Benzene
Concen: 0.80 ppbv
RT: 8.33 min Scan# 730
Delta R.T. 0.00 min
Lab File: VL121824.D
Acq: 19 Dec 2006 3:40

Tgt Ion: 78 Resp: 76612

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.4	27.6
50	18.8	10.2	15.2#

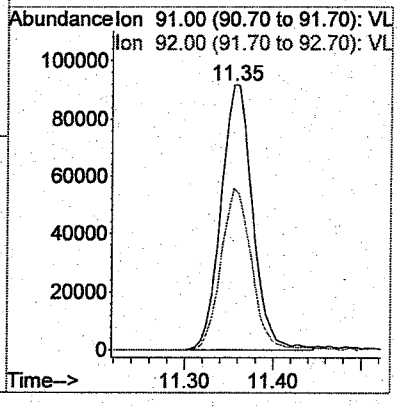


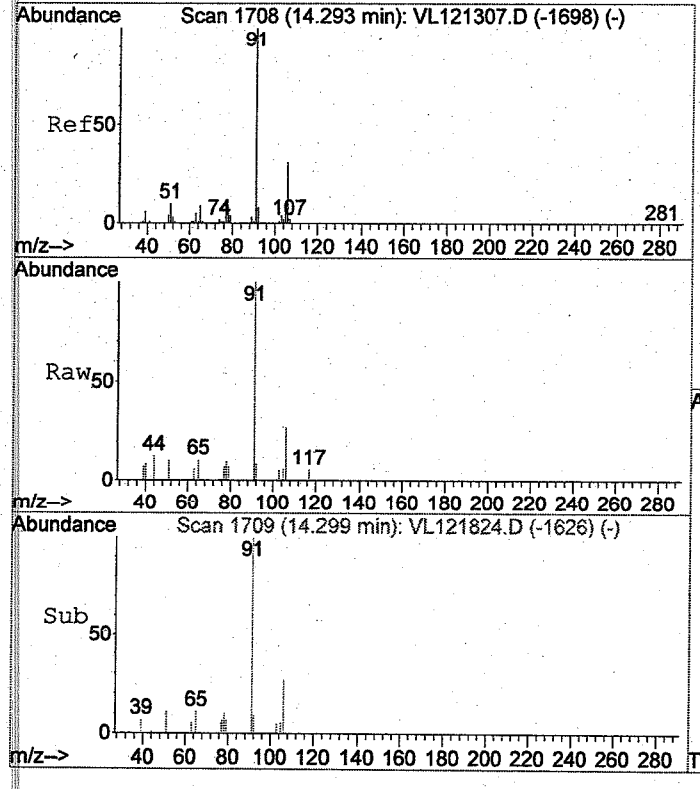


#49
Toluene
Concen: 2.33 ppbv
RT: 11.35 min Scan# 1226
Delta R.T. 0.00 min
Lab File: VL121824.D
Acq: 19 Dec 2006 3:40

Tgt Ion: 91 Resp: 224986

Ion	Ratio	Lower	Upper
91	100		
92	59.1	47.9	71.9

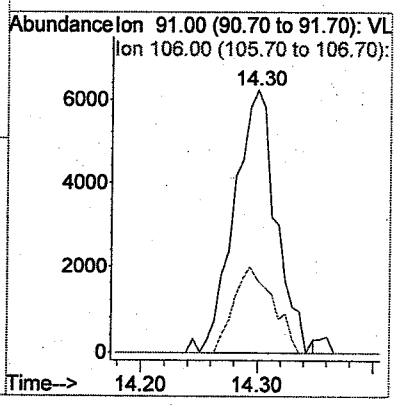


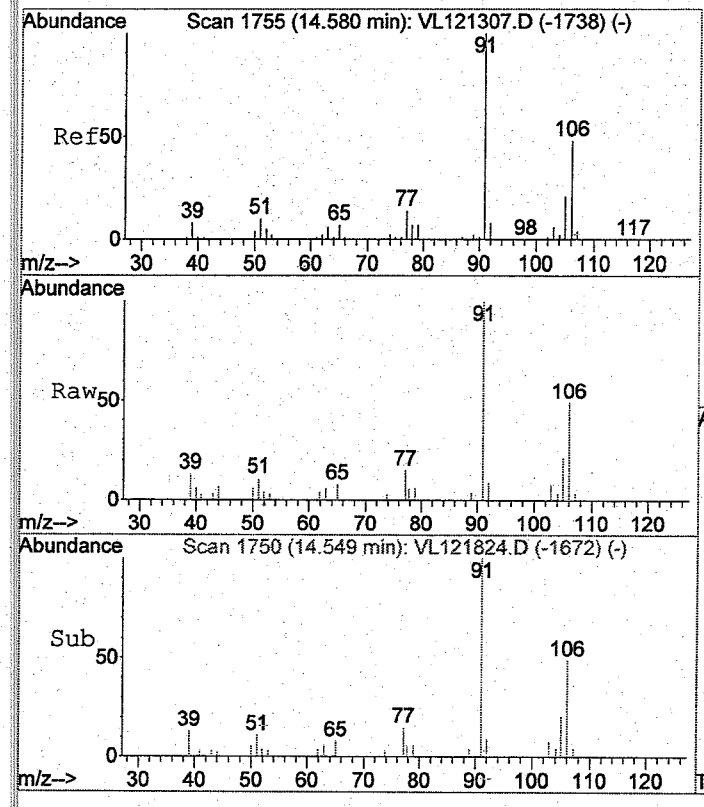


#53
Ethyl Benzene
Concen: 0.12 ppbv
RT: 14.30 min Scan# 1709
Delta R.T. 0.01 min
Lab File: VL121824.D
Acq: 19 Dec 2006 3:40

Tgt Ion: 91 Resp: 15421

Ion	Ratio	Lower	Upper
91	100		
106	26.7	26.2	39.4

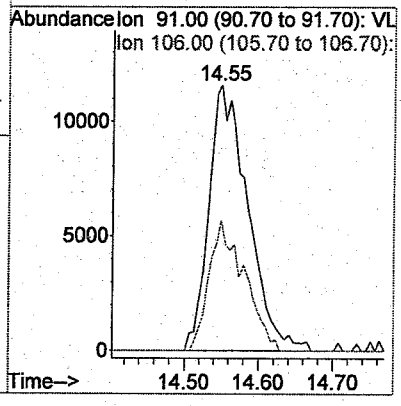




#54
m/p-Xylene
Concen: 0.40 ppbv
RT: 14.55 min Scan# 1750
Delta R.T. -0.02 min
Lab File: VL121824.D
Acq: 19 Dec 2006 3:40

Tgt Ion: 91 Resp: 42325

Ion	Ratio	Lower	Upper
91	100		
106	44.4	42.1	63.1



CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-3**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-03**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121825.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
TARGETS					
75-71-8	Dichlorodifluoromethane	1.78		0.49	0.15
74-87-3	Chloromethane	0.51		0.2	0.06
75-01-4	Vinyl Chloride	0.26	U	0.26	0.08
74-83-9	Bromomethane	0.39	U	0.39	0.09
75-00-3	Chloroethane	0.27	U	0.27	0.06
75-69-4	Trichlorofluoromethane	1.12		0.56	0.23
67-63-0	Isopropyl Alcohol	5.77		0.49	0.34
76-14-2	Dichlorotetrafluoethane	0.7	U	0.7	0.2
76-13-1	1,1,2-Trichlorotrifluoroethane	0.76	U	0.76	0.18
593-60-2	Bromoethene	0.44	U	0.44	0.18
115-07-1	Propene	0.86	U	0.86	0.08
142-82-5	Heptane	1.27		0.41	0.11
75-35-4	1,1-Dichloroethene	0.4	U	0.4	0.13
141-78-6	Ethyl Acetate	222	E	0.36	0.08
67-64-1	Acetone	31.5		0.47	0.31
75-15-0	Carbon disulfide	0.31	U	0.31	0.07
1634-04-4	Methyl tert-butyl Ether	0.36	U	0.36	0.15
75-09-2	Methylene Chloride	5.67		0.7	0.16
107-05-1	Allyl Chloride	0.31	U	0.31	0.08
156-60-5	trans-1,2-Dichloroethene	0.4	U	0.4	0.15
108-05-4	Vinyl Acetate	0.35	U	0.35	0.09
75-34-3	1,1-Dichloroethane	0.4	U	0.4	0.12
110-82-7	Cyclohexane	1.88		0.34	0.23
78-93-3	2-Butanone	0.59	U	0.59	0.21
56-23-5	Carbon Tetrachloride	0.63	U	0.63	0.38
156-59-2	cis-1,2-Dichloroethene	0.4	U	0.4	0.17
67-66-3	Chloroform	0.49	U	0.49	0.11
123-91-1	1,4-Dioxane	0.72	U	0.72	0.19
71-55-6	1,1,1-Trichloroethane	0.54	U	0.54	0.15
109-99-9	Tetrahydrofuran	0.59	J	0.59	0.18
540-84-1	2,2,4-Trimethylpentane	0.98		0.47	0.12

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

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Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-3**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-03**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121825.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
71-43-2	Benzene	6.92		0.32	0.1
107-06-2	1,2-Dichloroethane	0.4	U	0.4	0.26
79-01-6	Trichloroethene	0.54	U	0.54	0.21
78-87-5	1,2-Dichloropropane	0.46	U	0.46	0.25
75-27-4	Bromodichloromethane	0.67	U	0.67	0.23
108-10-1	4-Methyl-2-Pentanone	0.82	U	0.82	0.25
108-88-3	Toluene	15.6		0.38	0.2
10061-02-6	t-1,3-Dichloropropene	0.45	U	0.45	0.21
10061-01-5	cis-1,3-Dichloropropene	0.45	U	0.45	0.11
79-00-5	1,1,2-Trichloroethane	0.54	U	0.54	0.23
591-78-6	2-Hexanone	0.82	U	0.82	0.16
124-48-1	Dibromochloromethane	0.85	U	0.85	0.35
106-93-4	1,2-Dibromoethane	0.77	U	0.77	0.32
127-18-4	Tetrachloroethene	0.68	U	0.68	0.27
108-90-7	Chlorobenzene	0.46	U	0.46	0.22
100-41-4	Ethyl Benzene	0.43	U	0.43	0.15
126777-61-2	m/p-Xylene	0.87	U	0.87	0.36
95-47-6	o-Xylene	0.43	U	0.43	0.22
100-42-5	Styrene	0.43	U	0.43	0.17
75-25-2	Bromoform	1.03	U	1.03	0.36
79-34-5	1,1,2,2-Tetrachloroethane	0.69	U	0.69	0.32
108-67-8	1,3,5-Trimethylbenzene	0.49	U	0.49	0.27
95-63-6	1,2,4-Trimethylbenzene	0.49	U	0.49	0.24
622-96-8	4-Ethyltoluene	0.49	U	0.49	0.18
541-73-1	1,3-Dichlorobenzene	0.6	U	0.6	0.39
106-46-7	1,4-Dichlorobenzene	0.6	U	0.6	0.32
95-50-1	1,2-Dichlorobenzene	0.6	U	0.6	0.29
120-82-1	1,2,4-Trichlorobenzene	0.74	U	0.74	0.38
87-68-3	Hexachloro-1,3-butadiene	1.07	U	1.07	0.7
106-99-0	1,3-Butadiene	0.22	U	0.22	0.15
110-54-3	Hexane	5.94		0.7	0.08
100-44-7	Benzyl Chloride	0.58	U	0.58	0.2

U = Not Detected
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Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-3**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-03**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121825.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
SURROGATES					
460-00-4	1-Bromo-4-Fluorobenzene	2.1	84 %	65 - 135	
INTERNAL STANDARDS					
74-97-5	Bromochloromethane	150101	7.01		
540-36-3	1,4-Difluorobenzene	380490	8.62		
3114-55-4	Chlorobenzene-d5	327756	13.68		

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

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Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-3**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-03**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121825.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ppbv	Qualifier	RL ppbv	MDL ppbv
TARGETS					
75-71-8	Dichlorodifluoromethane	0.4		0.1	0.031
74-87-3	Chloromethane	0.3		0.1	0.031
75-01-4	Vinyl Chloride	0.1	U	0.1	0.031
74-83-9	Bromomethane	0.1	U	0.1	0.022
75-00-3	Chloroethane	0.1	U	0.1	0.024
75-69-4	Trichlorofluoromethane	0.2		0.1	0.041
67-63-0	Isopropyl Alcohol	2.4		0.2	0.140
76-14-2	Dichlorotetrafluoethane	0.1	U	0.1	0.028
76-13-1	1,1,2-Trichlorotrifluoroethane	0.1	U	0.1	0.024
593-60-2	Bromoethene	0.1	U	0.1	0.042
115-07-1	Propene	0.5	U	0.5	0.047
142-82-5	Heptane	0.3		0.1	0.028
75-35-4	1,1-Dichloroethene	0.1	U	0.1	0.034
141-78-6	Ethyl Acetate	62	E	0.1	0.022
67-64-1	Acetone	13		0.2	0.130
75-15-0	Carbon disulfide	0.1	U	0.1	0.022
1634-04-4	Methyl tert-butyl Ether	0.1	U	0.1	0.043
75-09-2	Methylene Chloride	1.6		0.2	0.047
107-05-1	Allyl Chloride	0.1	U	0.1	0.025
156-60-5	trans-1,2-Dichloroethene	0.1	U	0.1	0.038
108-05-4	Vinyl Acetate	0.1	U	0.1	0.025
75-34-3	1,1-Dichloroethane	0.1	U	0.1	0.030
110-82-7	Cyclohexane	0.6		0.1	0.070
78-93-3	2-Butanone	0.2	U	0.2	0.070
56-23-5	Carbon Tetrachloride	0.1	U	0.1	0.061
156-59-2	cis-1,2-Dichloroethene	0.1	U	0.1	0.043
67-66-3	Chloroform	0.1	U	0.1	0.022
123-91-1	1,4-Dioxane	0.2	U	0.2	0.054
71-55-6	1,1,1-Trichloroethane	0.1	U	0.1	0.028
109-99-9	Tetrahydrofuran	0.2	J	0.2	0.060
540-84-1	2,2,4-Trimethylpentane	0.2		0.1	0.026

U = Not Detected
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MDL = Method Detection Limit
E = Value Exceeds Calibration Range

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B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-3**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-03**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121825.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ppbv	Qualifier	RL ppbv	MDL ppbv
71-43-2	Benzene	2.2		0.1	0.031
107-06-2	1,2-Dichloroethane	0.1	U	0.1	0.065
79-01-6	Trichloroethene	0.1	U	0.1	0.040
78-87-5	1,2-Dichloropropane	0.1	U	0.1	0.054
75-27-4	Bromodichloromethane	0.1	U	0.1	0.035
108-10-1	4-Methyl-2-Pentanone	0.2	U	0.2	0.060
108-88-3	Toluene	4.1		0.1	0.054
10061-02-6	t-1,3-Dichloropropene	0.1	U	0.1	0.047
10061-01-5	cis-1,3-Dichloropropene	0.1	U	0.1	0.024
79-00-5	1,1,2-Trichloroethane	0.1	U	0.1	0.043
591-78-6	2-Hexanone	0.2	U	0.2	0.040
124-48-1	Dibromochloromethane	0.1	U	0.1	0.041
106-93-4	1,2-Dibromoethane	0.1	U	0.1	0.041
127-18-4	Tetrachloroethene	0.1	U	0.1	0.040
108-90-7	Chlorobenzene	0.1	U	0.1	0.047
100-41-4	Ethyl Benzene	0.1	U	0.1	0.034
126777-61-2	m/p-Xylene	0.2	U	0.2	0.084
95-47-6	o-Xylene	0.1	U	0.1	0.050
100-42-5	Styrene	0.1	U	0.1	0.040
75-25-2	Bromoform	0.1	U	0.1	0.035
79-34-5	1,1,2,2-Tetrachloroethane	0.1	U	0.1	0.047
108-67-8	1,3,5-Trimethylbenzene	0.1	U	0.1	0.054
95-63-6	1,2,4-Trimethylbenzene	0.1	U	0.1	0.048
622-96-8	4-Ethyltoluene	0.1	U	0.1	0.036
541-73-1	1,3-Dichlorobenzene	0.1	U	0.1	0.065
106-46-7	1,4-Dichlorobenzene	0.1	U	0.1	0.054
95-50-1	1,2-Dichlorobenzene	0.1	U	0.1	0.049
120-82-1	1,2,4-Trichlorobenzene	0.1	U	0.1	0.051
87-68-3	Hexachloro-1,3-butadiene	0.1	U	0.1	0.066
106-99-0	1,3-Butadiene	0.1	U	0.1	0.069
110-54-3	Hexane	1.7		0.2	0.024
100-44-7	Benzyl Chloride	0.1	U	0.1	0.035

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Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-3**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-03**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121825.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ppbv	Qualifier	RL ppbv	MDL ppbv
SURROGATES					
460-00-4	1-Bromo-4-Fluorobenzene	2.1	84 %	65 - 135	
INTERNAL STANDARDS					
74-97-5	Bromochloromethane	150101	7.01		
540-36-3	1,4-Difluorobenzene	380490	8.62		
3114-55-4	Chlorobenzene-d5	327756	13.68		

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

Quantitation Report (QT Reviewed)

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL121806\
Data File : VL121825.D
Acq On : 19 Dec 2006 4:20
Operator : LJC
Sample : X5778-03
Misc : 400ml
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 19 10:37:52 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 09:05:30 2006
QLast Update : Tue Dec 19 09:05:30 2006
Response via : Initial Calibration

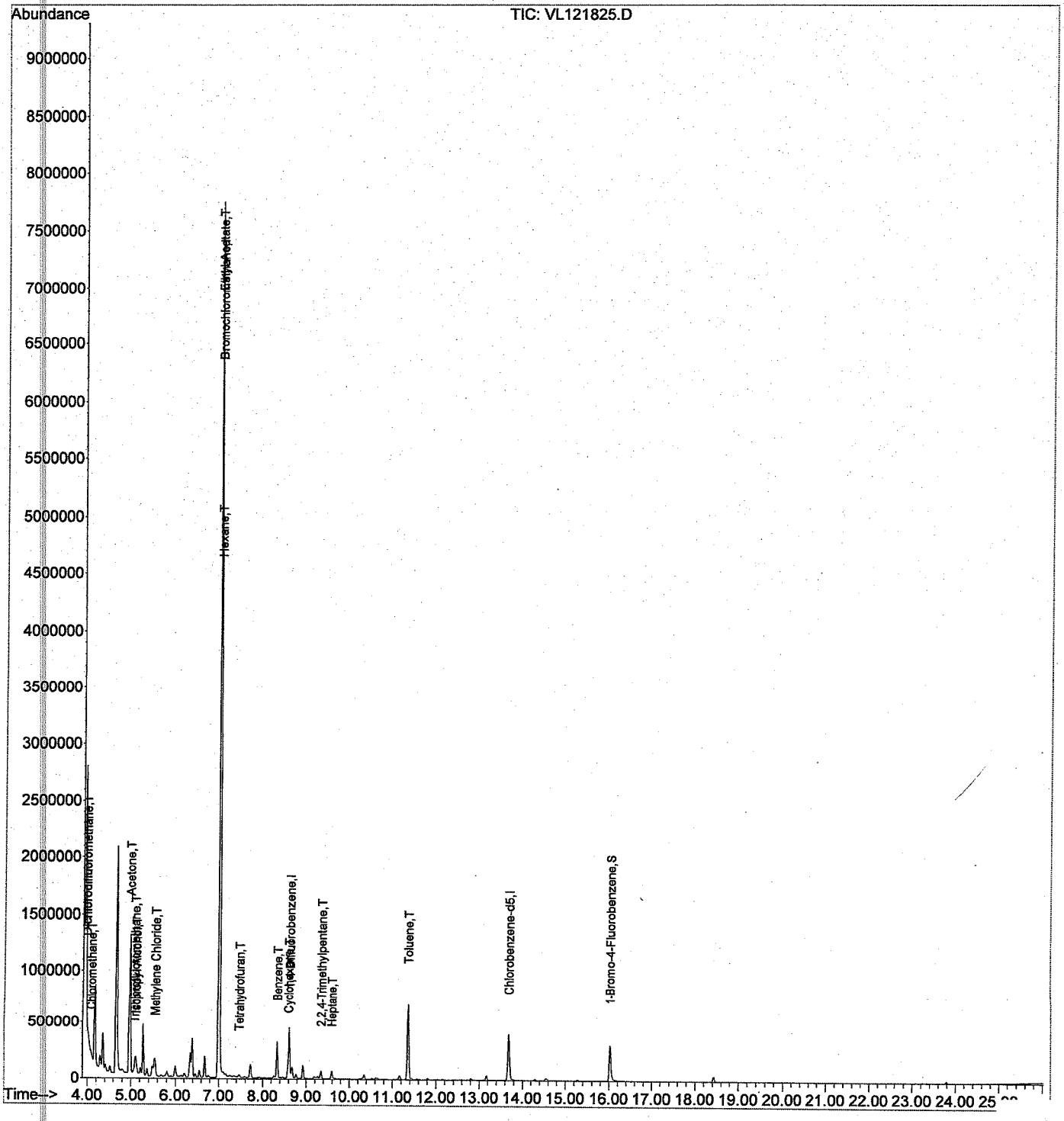
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	7.01	49	150101	2.50	ppbv		0.00
30) 1,4-Difluorobenzene	8.62	114	380490	2.50	ppbv		0.00
51) Chlorobenzene-d5	13.68	117	327756	2.50	ppbv		0.00
System Monitoring Compounds							
59) 1-Bromo-4-Fluorobenzene	16.02	95	193448	2.10	ppbv		0.00
Spiked Amount 2.500	Range 70 - 130		Recovery = 84.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.98	85	60360	0.36	ppbv		99
3) Chloromethane	4.09	50	12809	0.25	ppbv		100
9) Heptane	9.59	43	29277	0.31	ppbv		89
10) Trichlorofluoromethane	5.07	101	35536	0.20	ppbv		97
13) Acetone	4.96	58	306139	13.26	ppbv	#	23
16) Isopropyl Alcohol	5.11	45	225014	2.35	ppbv		99
17) Methylene Chloride	5.53	84	68459	1.63	ppbv	#	73
22) Ethyl Acetate	7.00	43	10362195	61.77	ppbv	#	95
23) Hexane	7.02	57	140653	1.69	ppbv	#	1
27) Cyclohexane	8.59	56	55128	0.56	ppbv	#	79
33) Benzene	8.33	78	312767	2.17	ppbv	#	95
38) Tetrahydrofuran	7.45	72	4254	0.20	ppbv	#	1
40) 2,2,4-Trimethylpentane	9.34	57	55442	0.21	ppbv	#	65
49) Toluene	11.35	91	601678	4.14	ppbv		100

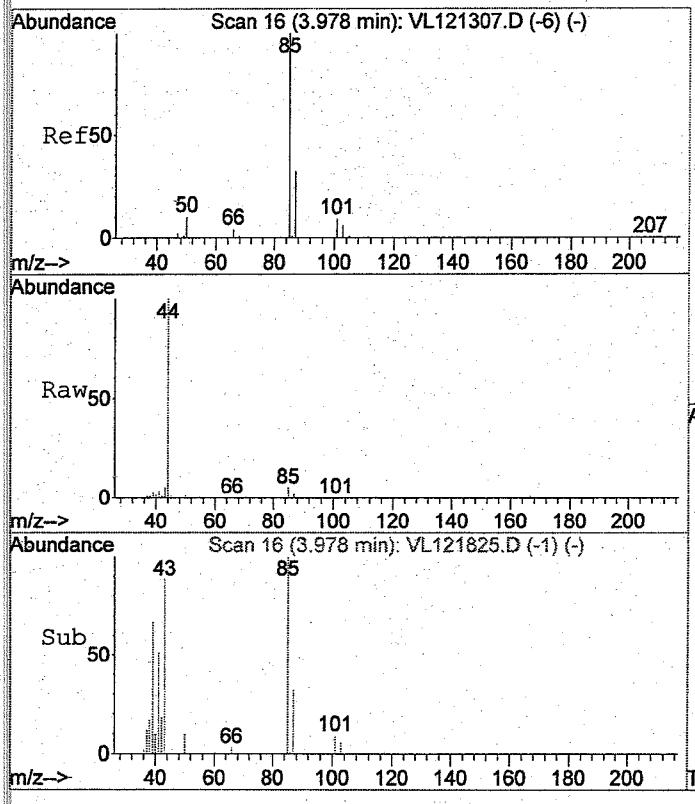
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL121806\
Data File : VL121825.D
Acq On : 19 Dec 2006 4:20
Operator : LJC
Sample : X5778-03
Misc : 400ml
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 19 10:37:52 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 09:05:30 2006
QLast Update : Tue Dec 19 09:05:30 2006
Response via : Initial Calibration

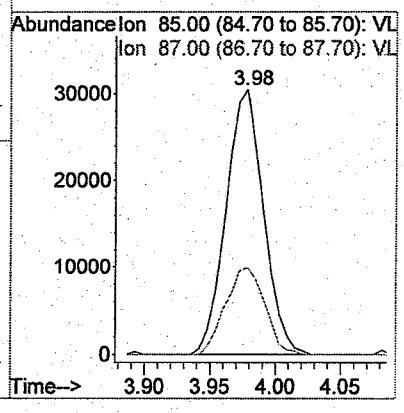


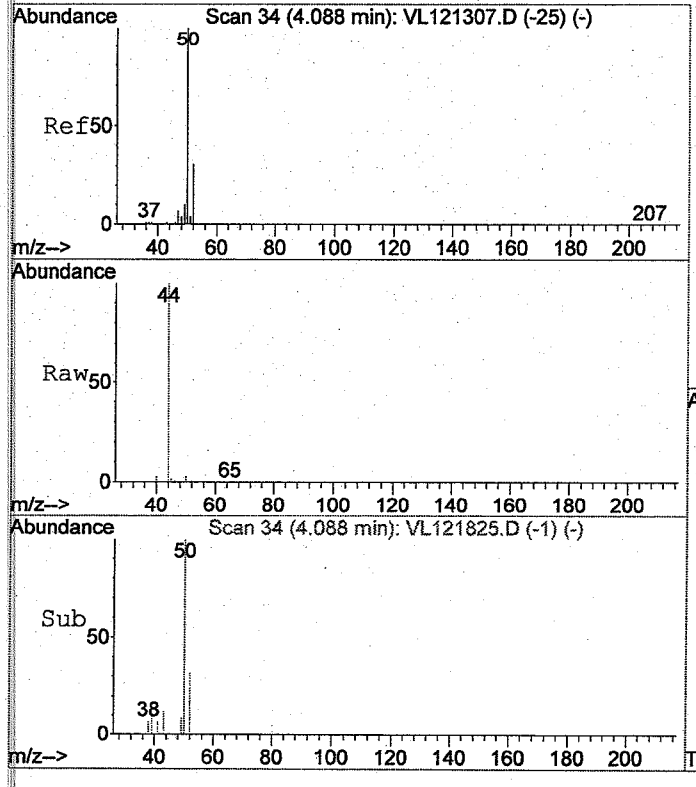


#2
Dichlorodifluoromethane
Concen: 0.36 ppbv
RT: 3.98 min Scan# 16
Delta R.T. 0.00 min
Lab File: VL121825.D
Acq: 19 Dec 2006 4:20

Tgt Ion: 85 Resp: 60360

Ion	Ratio	Lower	Upper
85	100		
87	32.5	12.1	52.1

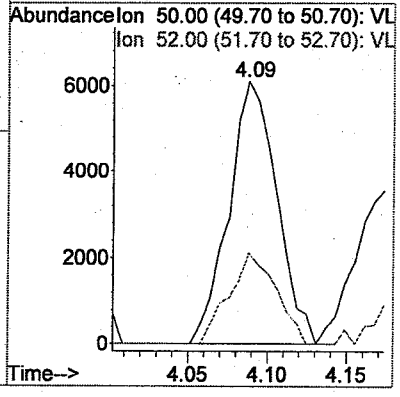


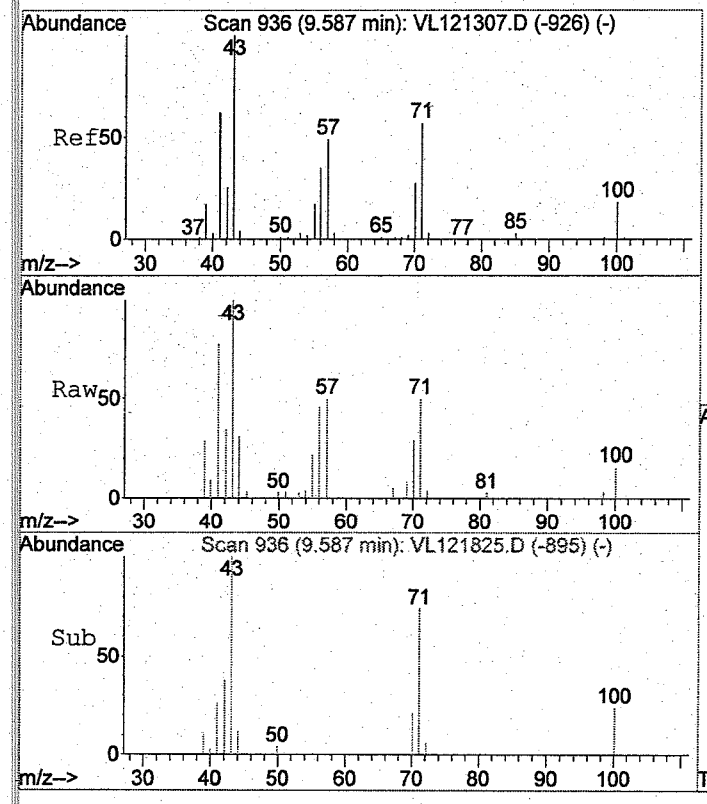


#3
Chloromethane
Concen: 0.25 ppbv
RT: 4.09 min Scan# 34
Delta R.T. 0.00 min
Lab File: VL121825.D
Acq: 19 Dec 2006 4:20

Tgt Ion: 50 Resp: 12809

Ion	Ratio	Lower	Upper
50	100		
52	34.7	27.8	41.6

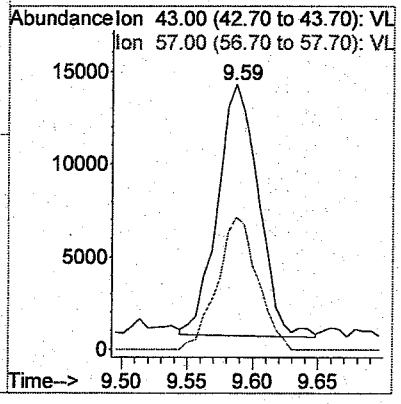


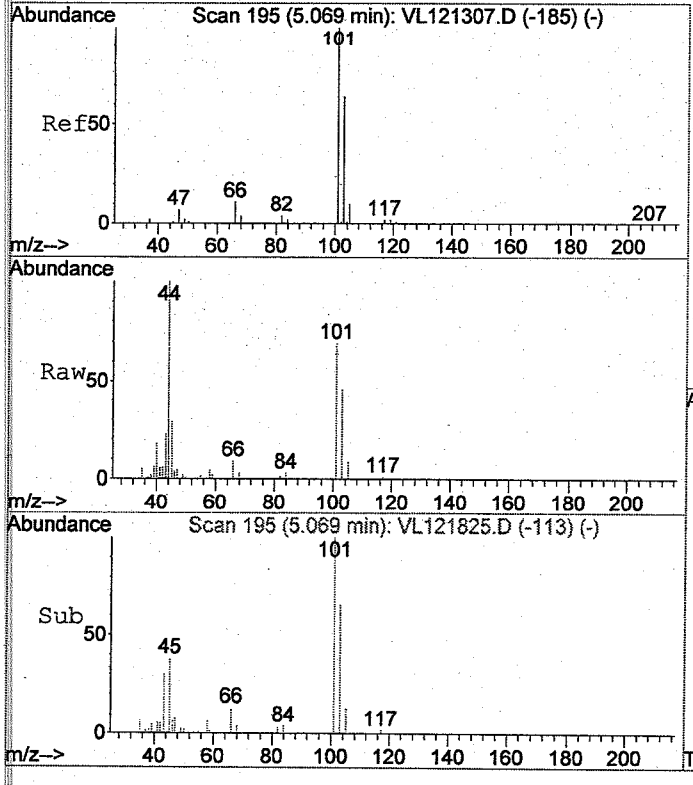


#9
Heptane
Concen: 0.31 ppbv
RT: 9.59 min Scan# 936
Delta R.T. 0.00 min
Lab File: VL121825.D
Acq: 19 Dec 2006 4:20

Tgt Ion: 43 Resp: 29277

Ion	Ratio	Lower	Upper
43	100		
57	51.7	47.8	71.6

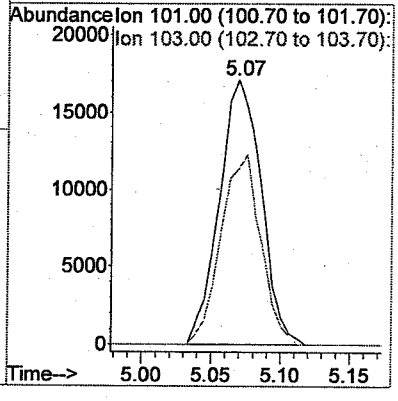


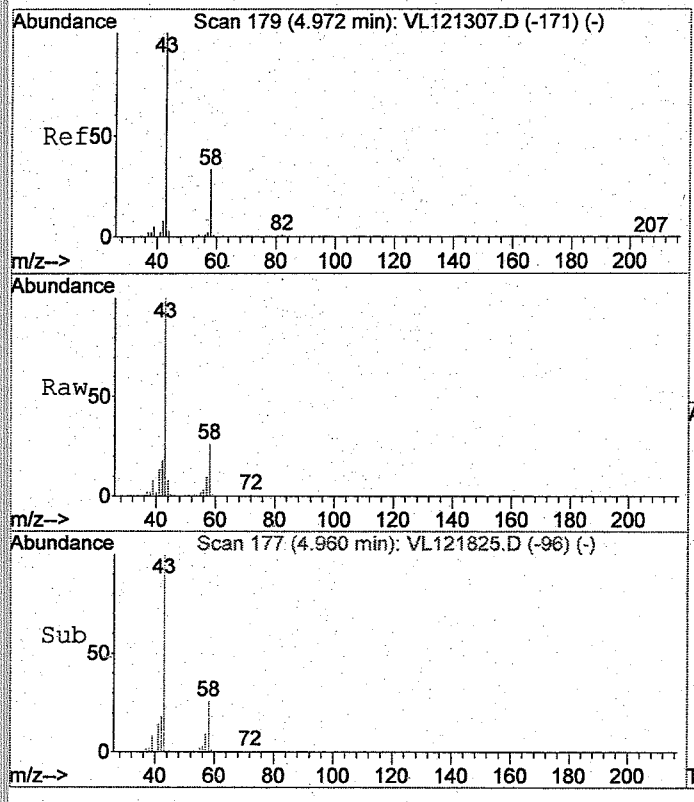


#10
Trichlorofluoromethane
Concen: 0.20 ppbv
RT: 5.07 min Scan# 195
Delta R.T. 0.00 min
Lab File: VL121825.D
Acq: 19 Dec 2006 4:20

Tgt Ion:101 Resp: 35536

Ion	Ratio	Lower	Upper
101	100		
103	66.5	51.1	76.7

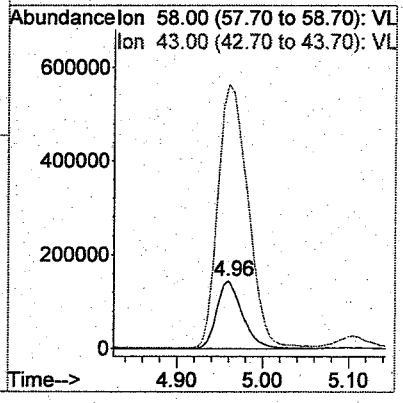


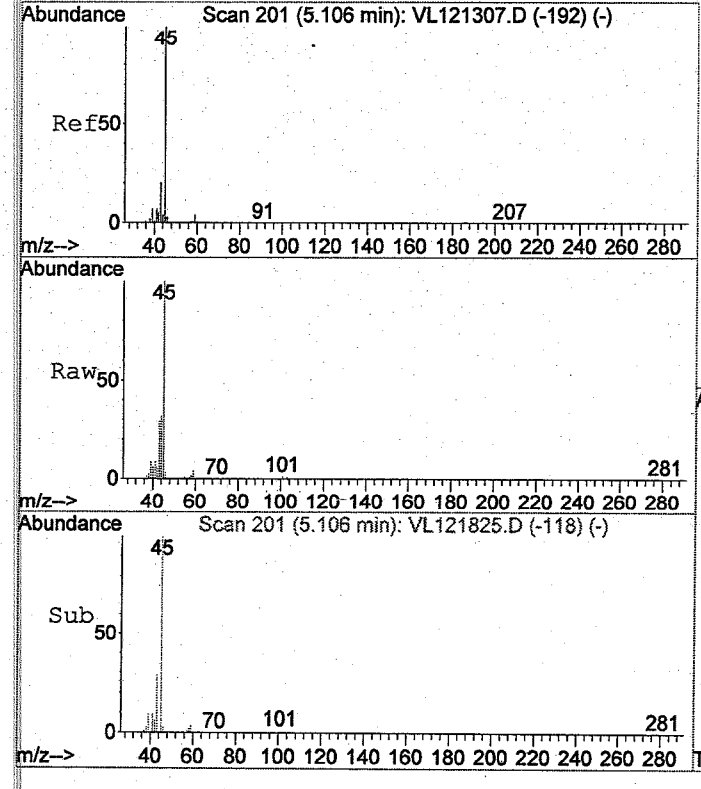


#13
Acetone
Concen: 13.26 ppbv
RT: 4.96 min Scan# 177
Delta R.T. -0.01 min
Lab File: VL121825.D
Acq: 19 Dec 2006 4:20

Tgt Ion: 58 Resp: 306139

Ion	Ratio	Lower	Upper
58	100		
43	451.7	240.0	360.0#

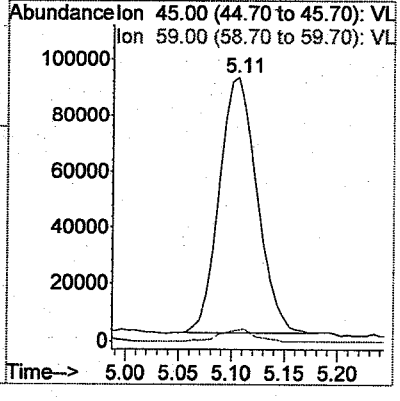


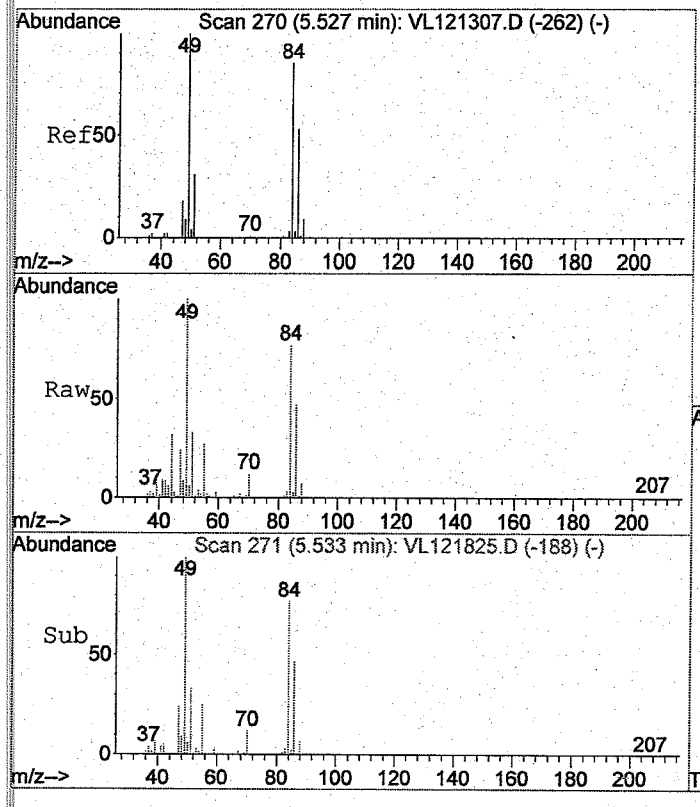


#16
Isopropyl Alcohol
Concen: 2.35 ppbv
RT: 5.11 min Scan# 201
Delta R.T. 0.01 min
Lab File: VL121825.D
Acq: 19 Dec 2006 4:20

Tgt Ion: 45 Resp: 225014

Ion	Ratio	Lower	Upper
45	100		
59	4.2	3.6	5.4

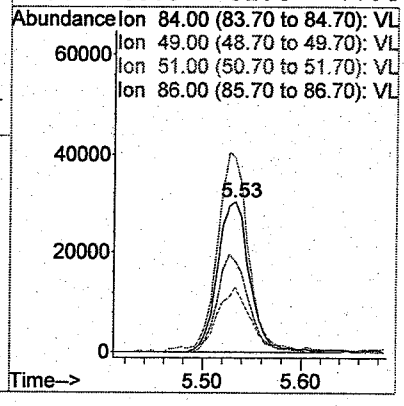


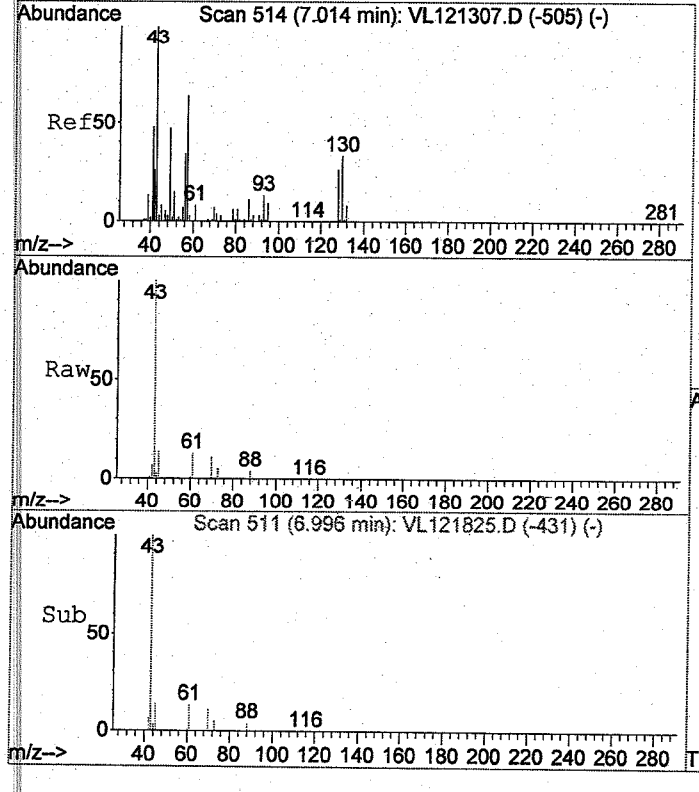


#17
Methylene Chloride
Concen: 1.63 ppbv
RT: 5.53 min Scan# 271
Delta R.T. 0.01 min
Lab File: VL121825.D
Acq: 19 Dec 2006 4:20

Tgt Ion: 84 Resp: 68459

Ion	Ratio	Lower	Upper
84	100		
49	129.8	71.8	107.6#
51	42.1	22.8	34.2#
86	60.5	51.6	77.4

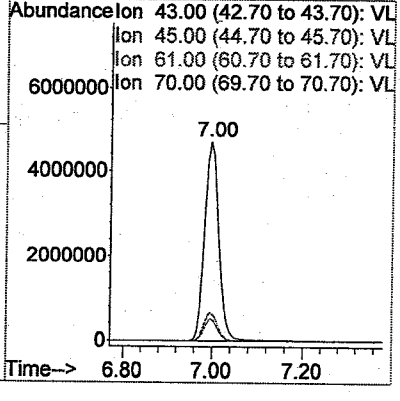


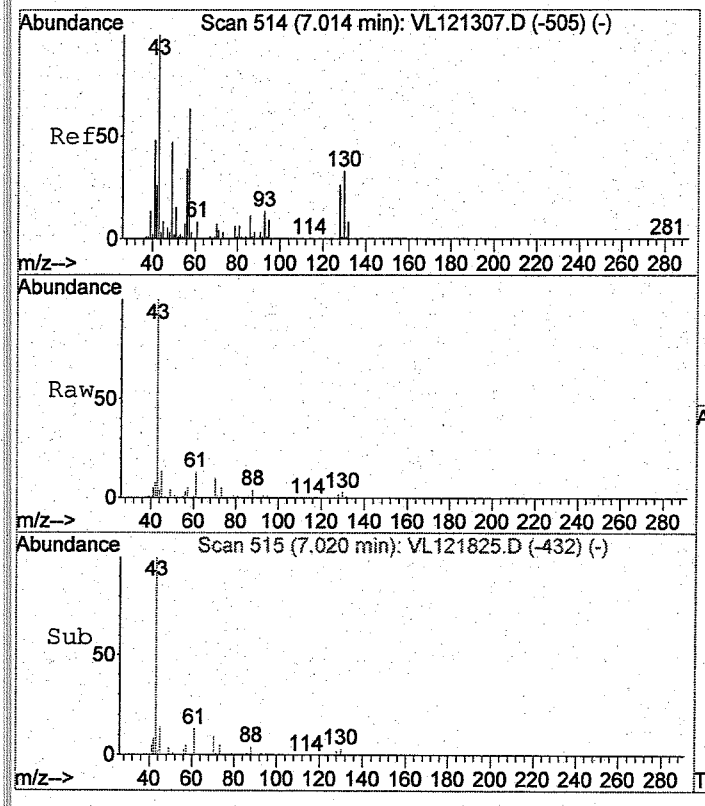


#22
Ethyl Acetate
Concen: 61.77 ppbv
RT: 7.00 min Scan# 511
Delta R.T. -0.01 min
Lab File: VL121825.D
Acq: 19 Dec 2006 4:20

Tgt Ion: 43 Resp:10362195

Ion	Ratio	Lower	Upper
43	100		
45	13.9	7.4	11.0#
61	13.1	9.8	14.8
70	10.2	7.8	11.6

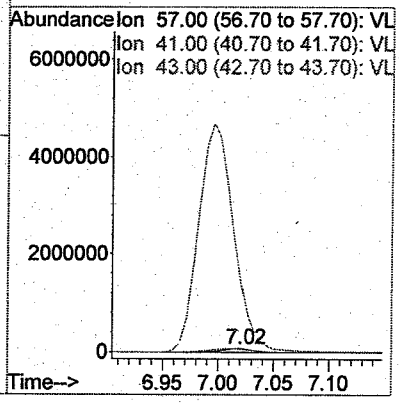


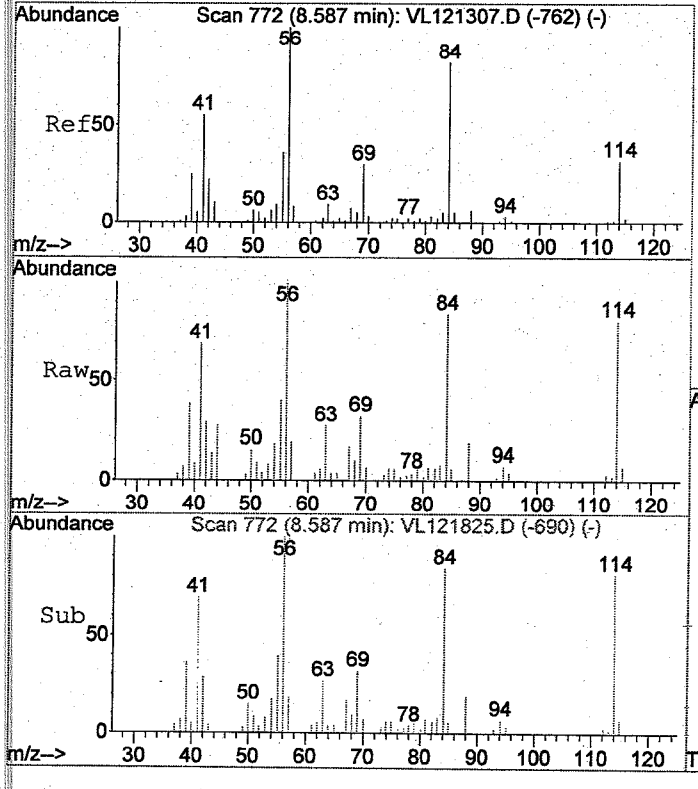


#23
Hexane
Concen: 1.69 ppbv
RT: 7.02 min Scan# 515
Delta R.T. 0.01 min
Lab File: VL121825.D
Acq: 19 Dec 2006 4:20

Tgt Ion: 57 Resp: 140653

Ion	Ratio	Lower	Upper
57	100		
41	135.4	56.2	84.4#
43	7367.2	129.8	194.6#

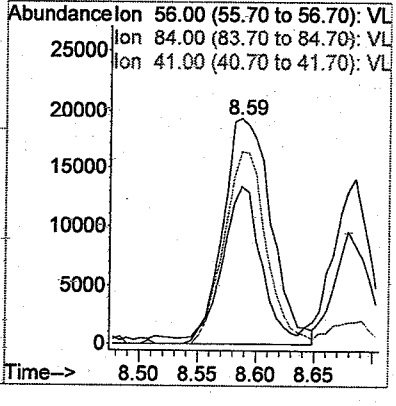


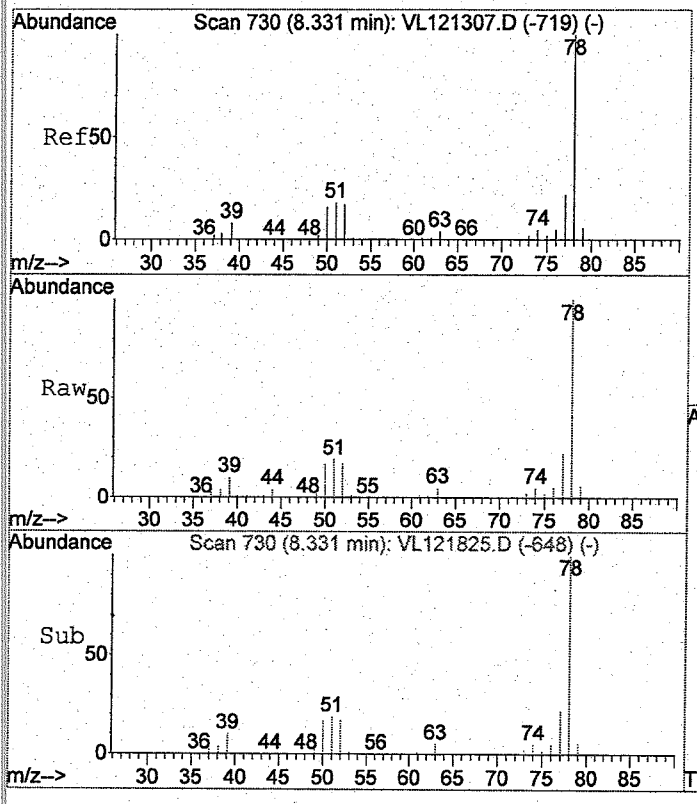


#27
Cyclohexane
Concen: 0.56 ppbv
RT: 8.59 min Scan# 772
Delta R.T. 0.00 min
Lab File: VL121825.D
Acq: 19 Dec 2006 4:20

Tgt Ion: 56 Resp: 55128

Ion	Ratio	Lower	Upper
56	100		
84	75.0	82.4	123.6#
41	54.5	39.2	58.8

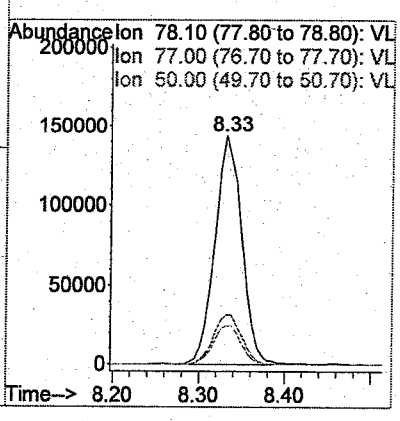


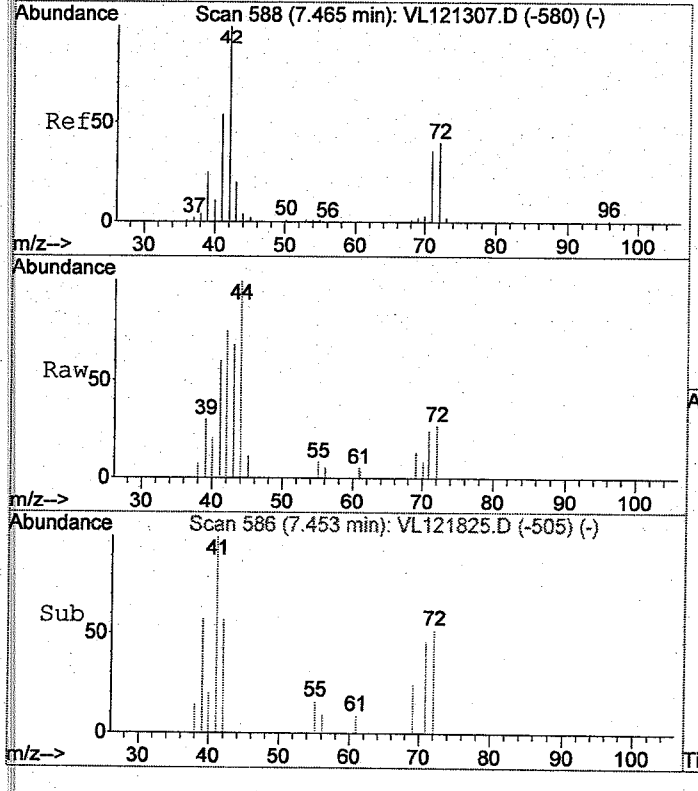


#33
Benzene
Concen: 2.17 ppbv
RT: 8.33 min Scan# 730
Delta R.T. 0.00 min
Lab File: VL121825.D
Acq: 19 Dec 2006 4:20

Tgt Ion: 78 Resp: 312767

Ion	Ratio	Lower	Upper
78	100		
77	22.0	18.4	27.6
50	16.9	10.2	15.2#

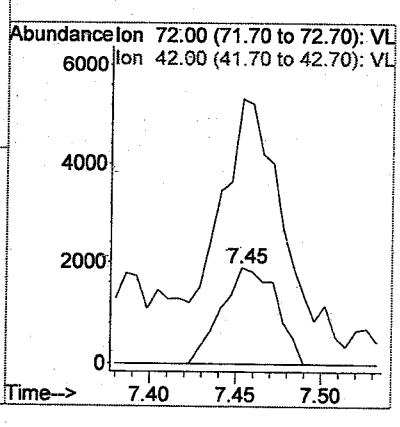


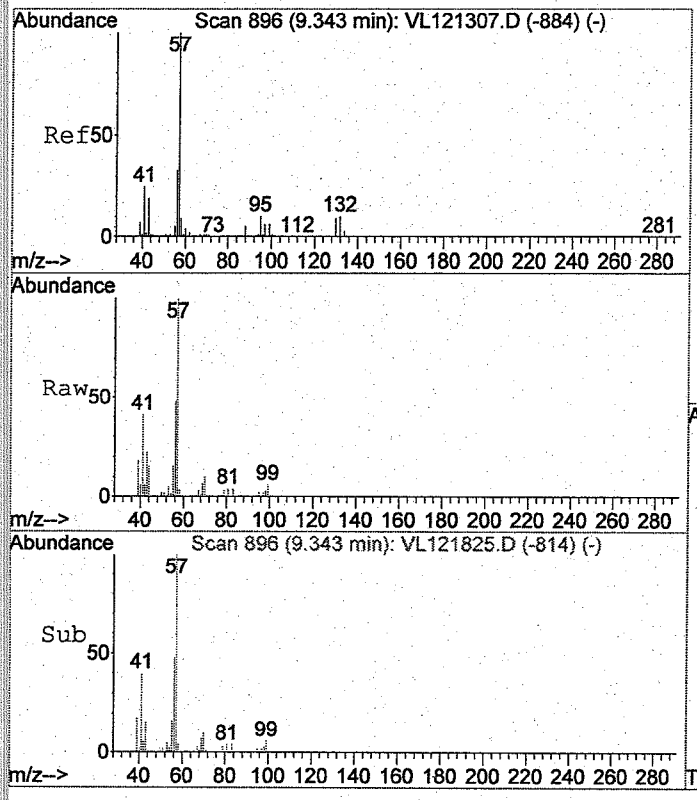


#38
Tetrahydrofuran
Concen: 0.20 ppbv
RT: 7.45 min Scan# 586
Delta R.T. -0.01 min
Lab File: VL121825.D
Acq: 19 Dec 2006 4:20

Tgt Ion: 72 Resp: 4254

Ion	Ratio	Lower	Upper
72	100		
42	0.0	127.1	236.1#

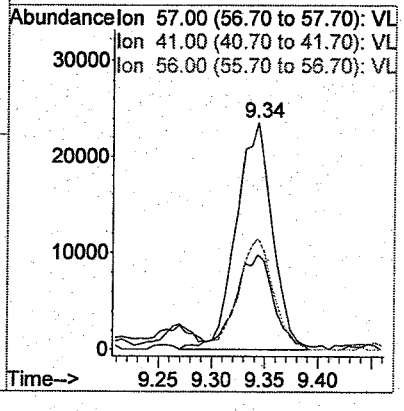


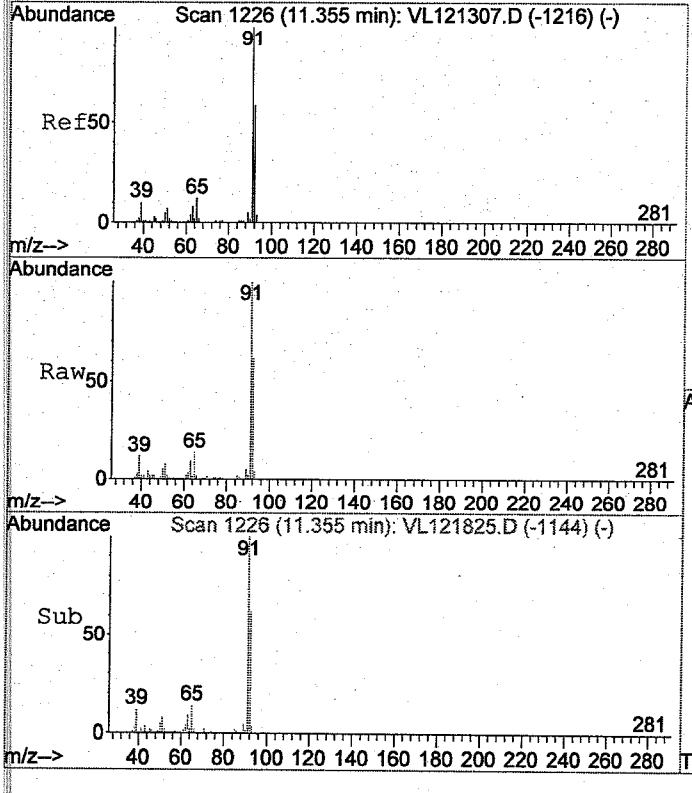


#40
2,2,4-Trimethylpentane
Concen: 0.21 ppbv
RT: 9.34 min Scan# 896
Delta R.T. 0.00 min
Lab File: VL121825.D
Acq: 19 Dec 2006 4:20

Tgt Ion: 57 Resp: 55442

Ion	Ratio	Lower	Upper
57	100		
41	44.7	19.2	28.8#
56	47.5	25.0	37.6#

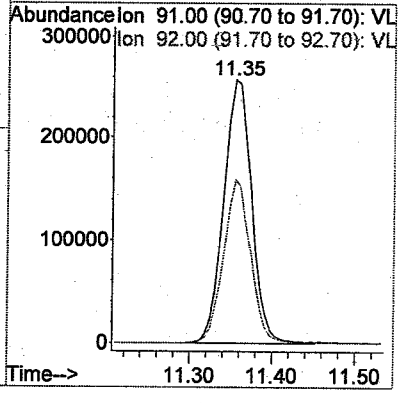




#49
Toluene
Concen: 4.14 ppbv
RT: 11.35 min Scan# 1226
Delta R.T. 0.00 min
Lab File: VL121825.D
Acq: 19 Dec 2006 4:20

Tgt Ion: 91 Resp: 601678

Ion	Ratio	Lower	Upper
91	100		
92	60.0	47.9	71.9



CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-3DL**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-03DL**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121826.D	10	12/19/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
TARGETS					
75-71-8	Dichlorodifluoromethane	4.95	U	4.95	1.53
74-87-3	Chloromethane	2.04	U	2.04	0.63
75-01-4	Vinyl Chloride	2.56	U	2.56	0.79
74-83-9	Bromomethane	3.89	U	3.89	0.85
75-00-3	Chloroethane	2.66	U	2.66	0.64
75-69-4	Trichlorofluoromethane	5.6	U	5.6	2.3
67-63-0	Isopropyl Alcohol	4.91	U	4.91	3.44
76-14-2	Dichlorotetrafluoethane	6.99	U	6.99	1.96
76-13-1	1,1,2-Trichlorotrifluoroethane	7.65	U	7.65	1.84
593-60-2	Bromoethene	4.38	U	4.38	1.84
115-07-1	Propene	8.59	U	8.59	0.81
142-82-5	Heptane	4.09	U	4.09	1.15
75-35-4	1,1-Dichloroethene	3.97	U	3.97	1.35
141-78-6	Ethyl Acetate	210	D	3.6	0.79
67-64-1	Acetone	4.74	U	4.74	3.08
75-15-0	Carbon disulfide	3.11	U	3.11	0.68
1634-04-4	Methyl tert-butyl Ether	3.6	U	3.6	1.55
75-09-2	Methylene Chloride	9.73	D	6.95	1.63
107-05-1	Allyl Chloride	3.15	U	3.15	0.79
156-60-5	trans-1,2-Dichloroethene	3.97	U	3.97	1.51
108-05-4	Vinyl Acetate	3.52	U	3.52	0.88
75-34-3	1,1-Dichloroethane	4.05	U	4.05	1.21
110-82-7	Cyclohexane	3.35	U	3.35	2.35
78-93-3	2-Butanone	5.89	U	5.89	2.06
56-23-5	Carbon Tetrachloride	6.3	U	6.3	3.84
156-59-2	cis-1,2-Dichloroethene	3.97	U	3.97	1.71
67-66-3	Chloroform	4.87	U	4.87	1.07
123-91-1	1,4-Dioxane	7.2	U	7.2	1.94
71-55-6	1,1,1-Trichloroethane	5.44	U	5.44	1.52
109-99-9	Tetrahydrofuran	5.89	U	5.89	1.77
540-84-1	2,2,4-Trimethylpentane	4.66	U	4.66	1.21

U = Not Detected
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MDL = Method Detection Limit
E = Value Exceeds Calibration Range

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B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-3DL**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-03DL**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121826.D	10	12/19/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
71-43-2	Benzene	11.2	D	3.19	0.99
107-06-2	1,2-Dichloroethane	4.05	U	4.05	2.63
79-01-6	Trichloroethene	5.36	U	5.36	2.14
78-87-5	1,2-Dichloropropane	4.62	U	4.62	2.5
75-27-4	Bromodichloromethane	6.71	U	6.71	2.35
108-10-1	4-Methyl-2-Pentanone	8.18	U	8.18	2.45
108-88-3	Toluene	15.4	D	3.76	2.03
10061-02-6	t-1,3-Dichloropropene	4.54	U	4.54	2.13
10061-01-5	cis-1,3-Dichloropropene	4.54	U	4.54	1.09
79-00-5	1,1,2-Trichloroethane	5.44	U	5.44	2.34
591-78-6	2-Hexanone	8.18	U	8.18	1.64
124-48-1	Dibromochloromethane	8.51	U	8.51	3.49
106-93-4	1,2-Dibromoethane	7.69	U	7.69	3.15
127-18-4	Tetrachloroethene	6.79	U	6.79	2.72
108-90-7	Chlorobenzene	4.62	U	4.62	2.17
100-41-4	Ethyl Benzene	4.34	U	4.34	1.47
126777-61-2	m/p-Xylene	8.67	U	8.67	3.64
95-47-6	o-Xylene	4.34	U	4.34	2.17
100-42-5	Styrene	4.25	U	4.25	1.7
75-25-2	Bromoform	10.35	U	10.35	3.62
79-34-5	1,1,2,2-Tetrachloroethane	6.87	U	6.87	3.23
108-67-8	1,3,5-Trimethylbenzene	4.91	U	4.91	2.65
95-63-6	1,2,4-Trimethylbenzene	4.91	U	4.91	2.36
622-96-8	4-Ethyltoluene	4.91	U	4.91	1.77
541-73-1	1,3-Dichlorobenzene	6.01	U	6.01	3.91
106-46-7	1,4-Dichlorobenzene	6.01	U	6.01	3.25
95-50-1	1,2-Dichlorobenzene	6.01	U	6.01	2.95
120-82-1	1,2,4-Trichlorobenzene	7.4	U	7.4	3.78
87-68-3	Hexachloro-1,3-butadiene	10.67	U	10.67	7.05
106-99-0	1,3-Butadiene	2.21	U	2.21	1.52
110-54-3	Hexane	9.5	D	7.03	0.84
100-44-7	Benzyl Chloride	5.77	U	5.77	2.02

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-3DL**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-03DL**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121826.D	10	12/19/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
SURROGATES					
460-00-4	1-Bromo-4-Fluorobenzene	1.84	74 %	65 - 135	
INTERNAL STANDARDS					
74-97-5	Bromochloromethane	149460	7.01		
540-36-3	1,4-Difluorobenzene	307881	8.62		
3114-55-4	Chlorobenzene-d5	213449	13.68		

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-3DL**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-03DL**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121826.D	10	12/19/2006	121806

CAS Number	Parameter	Conc. ppbv	Qualifier	RL ppbv	MDL ppbv
TARGETS					
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.310
74-87-3	Chloromethane	1.0	U	1.0	0.310
75-01-4	Vinyl Chloride	1.0	U	1.0	0.310
74-83-9	Bromomethane	1.0	U	1.0	0.220
75-00-3	Chloroethane	1.0	U	1.0	0.240
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.410
67-63-0	Isopropyl Alcohol	2.0	U	2.0	1.4
76-14-2	Dichlorotetrafluoethane	1.0	U	1.0	0.280
76-13-1	1,1,2-Trichlorotrifluoroethane	1.0	U	1.0	0.240
593-60-2	Bromoethene	1.0	U	1.0	0.420
115-07-1	Propene	5.0	U	5.0	0.470
142-82-5	Heptane	1.0	U	1.0	0.280
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.340
141-78-6	Ethyl Acetate	58	D	1.0	0.220
67-64-1	Acetone	2.0	U	2.0	1.3
75-15-0	Carbon disulfide	1.0	U	1.0	0.220
1634-04-4	Methyl tert-butyl Ether	1.0	U	1.0	0.430
75-09-2	Methylene Chloride	2.8	D	2.0	0.470
107-05-1	Allyl Chloride	1.0	U	1.0	0.250
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.380
108-05-4	Vinyl Acetate	1.0	U	1.0	0.250
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.300
110-82-7	Cyclohexane	1.0	U	1.0	0.700
78-93-3	2-Butanone	2.0	U	2.0	0.700
56-23-5	Carbon Tetrachloride	1.0	U	1.0	0.610
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.430
67-66-3	Chloroform	1.0	U	1.0	0.220
123-91-1	1,4-Dioxane	2.0	U	2.0	0.540
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.280
109-99-9	Tetrahydrofuran	2.0	U	2.0	0.600
540-84-1	2,2,4-Trimethylpentane	1.0	U	1.0	0.260

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-3DL**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-03DL**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121826.D	10	12/19/2006	121806

CAS Number	Parameter	Conc. ppbv	Qualifier	RL ppbv	MDL ppbv
71-43-2	Benzene	3.5	D	1.0	0.310
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.650
79-01-6	Trichloroethene	1.0	U	1.0	0.400
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.540
75-27-4	Bromodichloromethane	1.0	U	1.0	0.350
108-10-1	4-Methyl-2-Pentanone	2.0	U	2.0	0.600
108-88-3	Toluene	4.1	D	1.0	0.540
10061-02-6	t-1,3-Dichloropropene	1.0	U	1.0	0.470
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.240
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.430
591-78-6	2-Hexanone	2.0	U	2.0	0.400
124-48-1	Dibromochloromethane	1.0	U	1.0	0.410
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.410
127-18-4	Tetrachloroethene	1.0	U	1.0	0.400
108-90-7	Chlorobenzene	1.0	U	1.0	0.470
100-41-4	Ethyl Benzene	1.0	U	1.0	0.340
126777-61-2	m/p-Xylene	2.0	U	2.0	0.840
95-47-6	o-Xylene	1.0	U	1.0	0.500
100-42-5	Styrene	1.0	U	1.0	0.400
75-25-2	Bromoform	1.0	U	1.0	0.350
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.470
108-67-8	1,3,5-Trimethylbenzene	1.0	U	1.0	0.540
95-63-6	1,2,4-Trimethylbenzene	1.0	U	1.0	0.480
622-96-8	4-Ethyltoluene	1.0	U	1.0	0.360
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.650
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.540
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.490
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.510
87-68-3	Hexachloro-1,3-butadiene	1.0	U	1.0	0.660
106-99-0	1,3-Butadiene	1.0	U	1.0	0.690
110-54-3	Hexane	2.7	D	2.0	0.240
100-44-7	Benzyl Chloride	1.0	U	1.0	0.350

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-3DL**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-03DL**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121826.D	10	12/19/2006	121806

CAS Number	Parameter	Conc. ppbv	Qualifier	RL ppbv	MDL ppbv
SURROGATES					
460-00-4	1-Bromo-4-Fluorobenzene	1.84	74 %	65 - 135	
INTERNAL STANDARDS					
74-97-5	Bromochloromethane	149460	7.01		
540-36-3	1,4-Difluorobenzene	307881	8.62		
3114-55-4	Chlorobenzene-d5	213449	13.68		

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

Quantitation Report (QT Reviewed)

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL121806\
Data File : VL121826.D
Acq On : 19 Dec 2006 4:56
Operator : LJC
Sample : X5778-03DL DF10
Misc : 40ml, DF10
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 19 10:39:20 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 09:05:30 2006
QLast Update : Tue Dec 19 09:05:30 2006
Response via : Initial Calibration

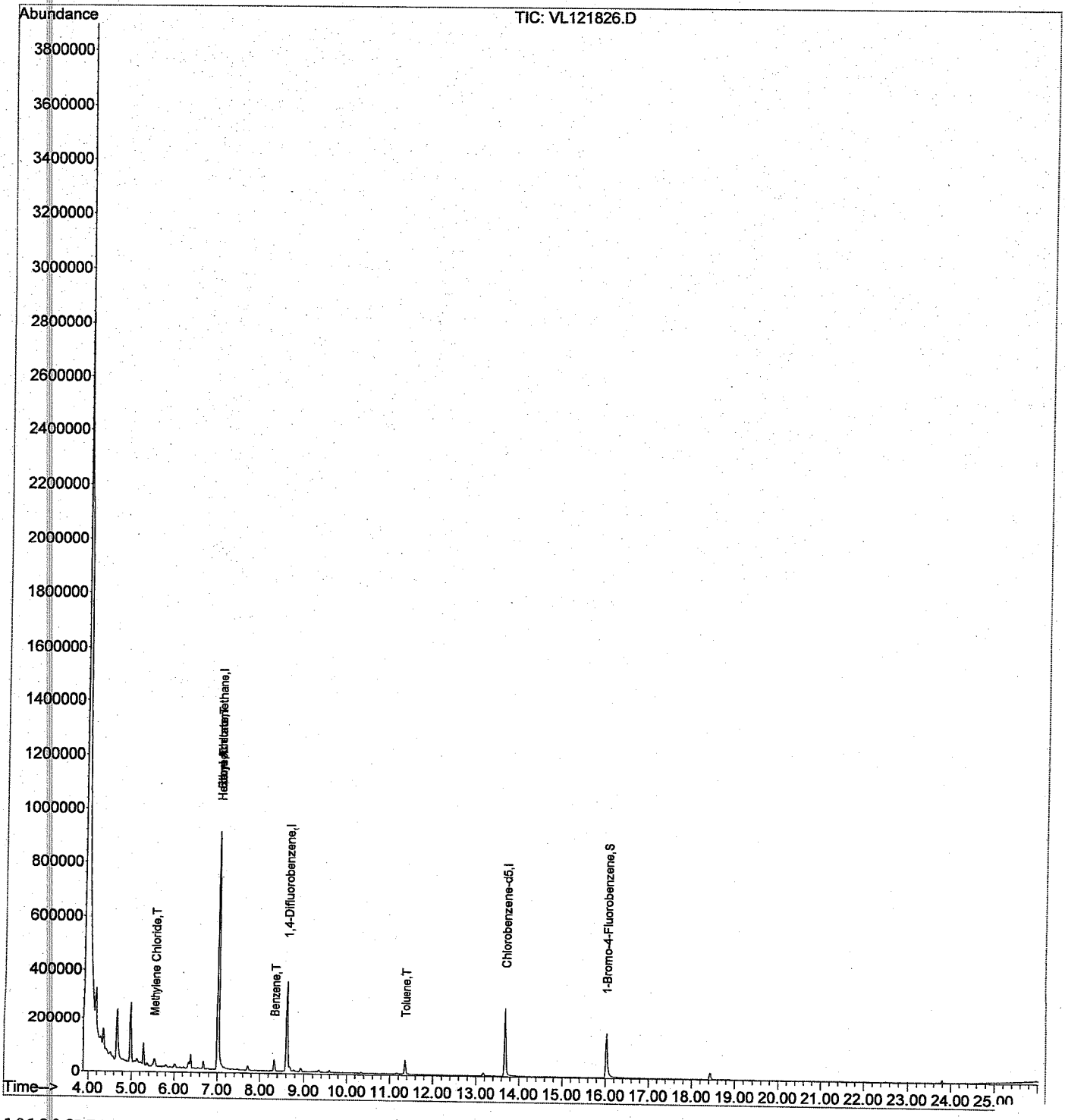
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.01	49	149460	2.50	ppbv	0.00
30) 1,4-Difluorobenzene	8.62	114	307881	2.50	ppbv	0.00
51) Chlorobenzene-d5	13.68	117	213449	2.50	ppbv	0.00
System Monitoring Compounds						
59) 1-Bromo-4-Fluorobenzene	16.02	95	110521	1.84	ppbv	0.00
Spiked Amount 2.500	Range 70 - 130		Recovery = 73.60%			
Target Compounds						Qvalue
17) Methylene Chloride	5.53	84	11834	0.28	ppbv #	84
22) Ethyl Acetate	7.01	43	974089	5.83	ppbv #	96
23) Hexane	7.02	57	22244	0.27	ppbv #	1
33) Benzene	8.33	78	41289	0.35	ppbv #	92
49) Toluene	11.36	91	48795	0.41	ppbv	99

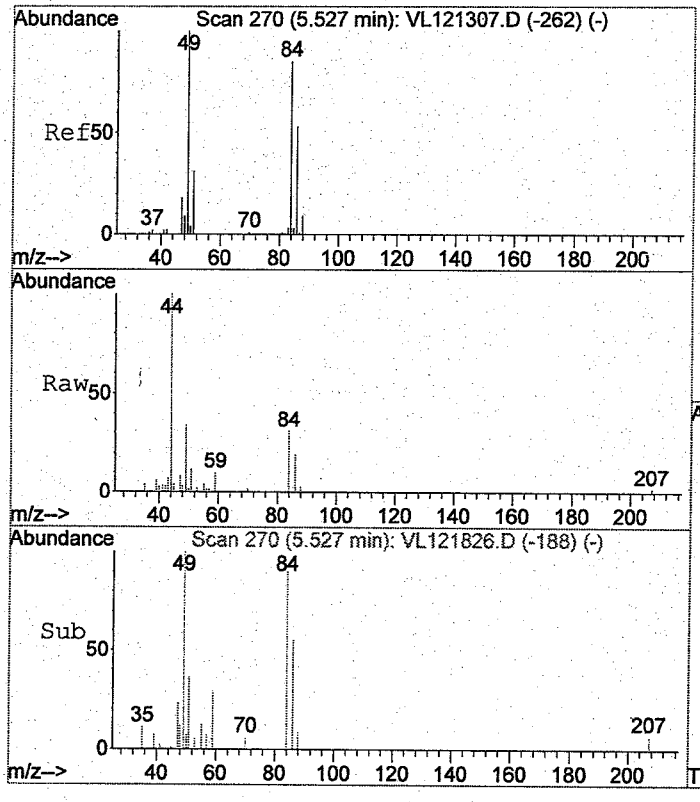
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL121806\
Data File : VL121826.D
Acq On : 19 Dec 2006 4:56
Operator : LJC
Sample : X5778-03DL DF10
Misc : 40ml, DF10
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 19 10:39:20 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 09:05:30 2006
QLast Update : Tue Dec 19 09:05:30 2006
Response via : Initial Calibration

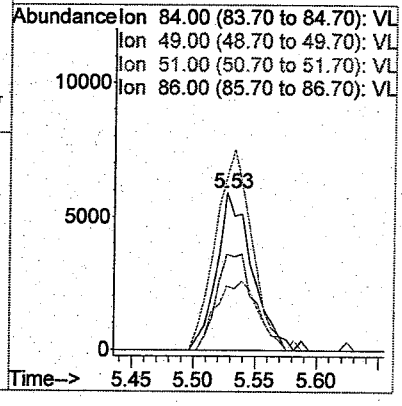


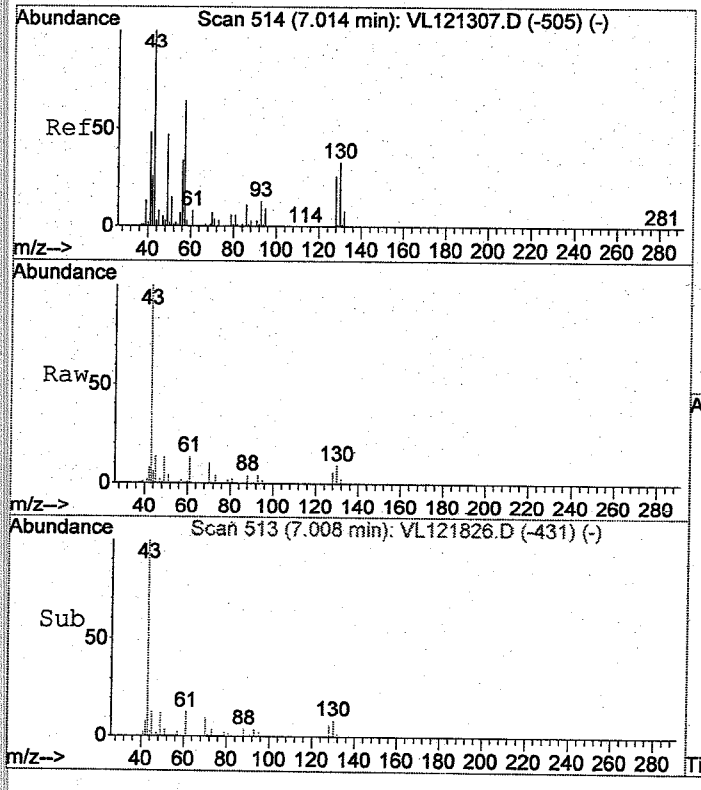


#17
Methylene Chloride
Concen: 0.28 ppbv
RT: 5.53 min Scan# 270
Delta R.T. 0.00 min
Lab File: VL121826.D
Acq: 19 Dec 2006 4:56

Tgt Ion: 84 Resp: 11834

Ion	Ratio	Lower	Upper
84	100		
49	110.0	71.8	107.6#
51	40.1	22.8	34.2#
86	60.6	51.6	77.4

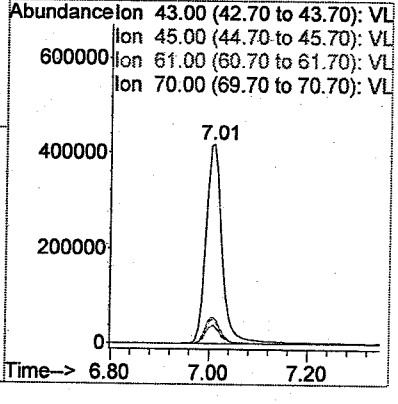


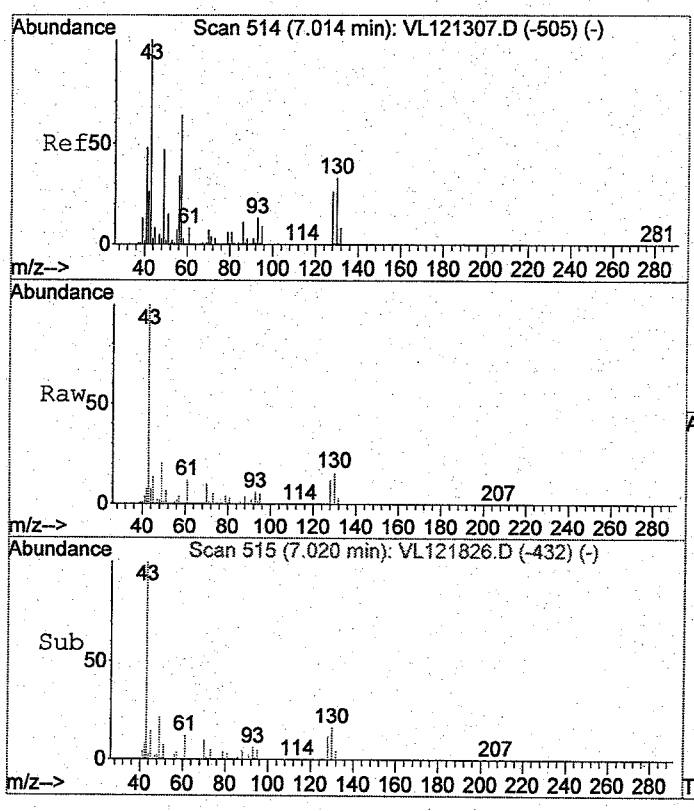


#22
Ethyl Acetate
Concen: 5.83 ppbv
RT: 7.01 min Scan# 513
Delta R.T. 0.00 min
Lab File: VL121826.D
Acq: 19 Dec 2006 4:56

Tgt Ion: 43 Resp: 974089

Ion	Ratio	Lower	Upper
43	100		
45	13.4	7.4	11.0#
61	12.0	9.8	14.8
70	9.1	7.8	11.6

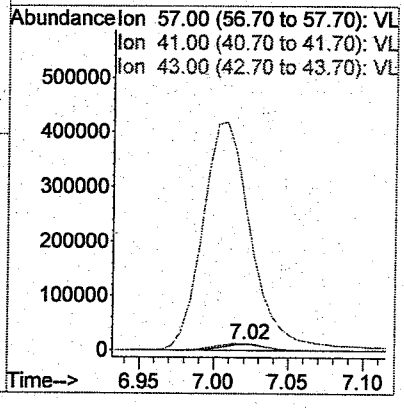


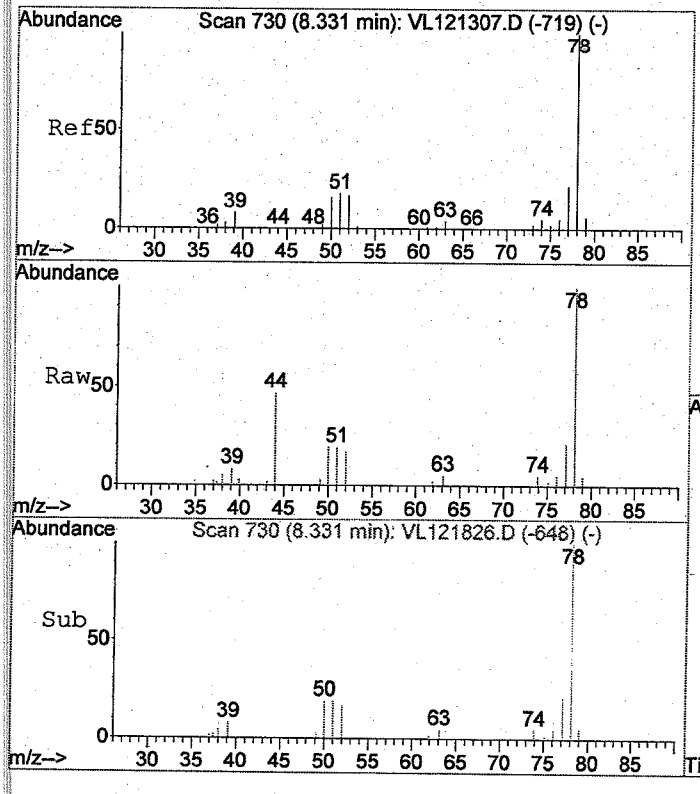


#23
Hexane
Concen: 0.27 ppbv
RT: 7.02 min Scan# 515
Delta R.T. 0.01 min
Lab File: VL121826.D
Acq: 19 Dec 2006 4:56

Tgt Ion: 57 Resp: 22244

Ion	Ratio	Lower	Upper
57	100		
41	126.2	56.2	84.4#
43	4379.1	129.8	194.6#

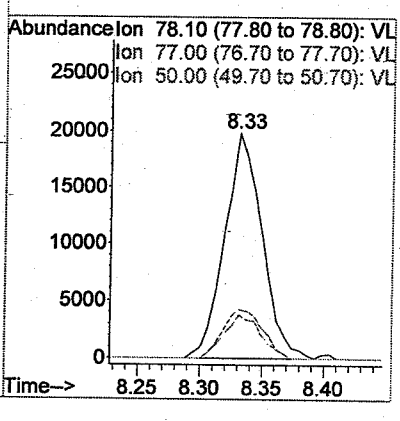


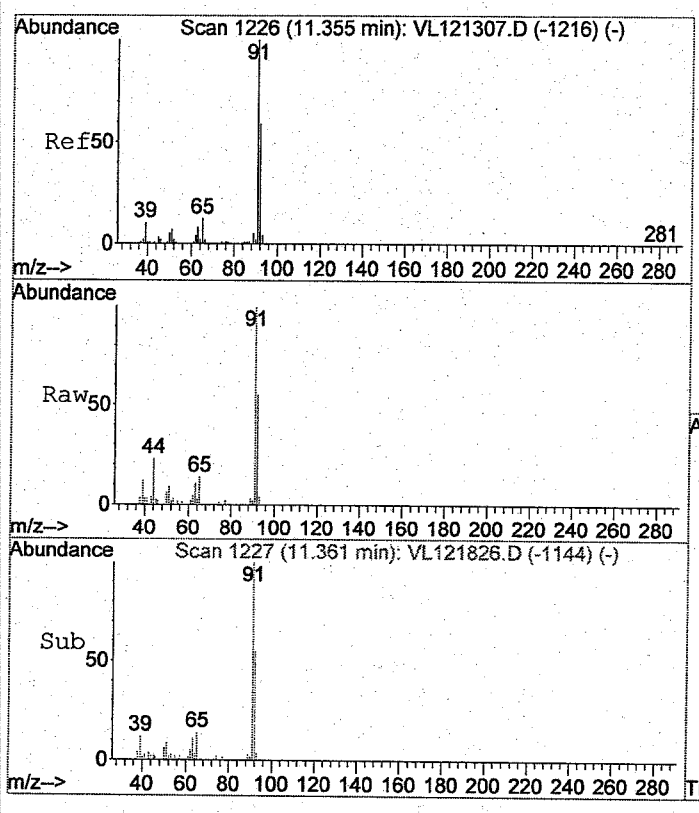


#33
Benzene
Concen: 0.35 ppbv
RT: 8.33 min Scan# 730
Delta R.T. 0.00 min
Lab File: VL121826.D
Acq: 19 Dec 2006 4:56

Tgt Ion: 78 Resp: 41289

Ion	Ratio	Lower	Upper
78	100		
77	21.3	18.4	27.6
50	18.9	10.2	15.2#

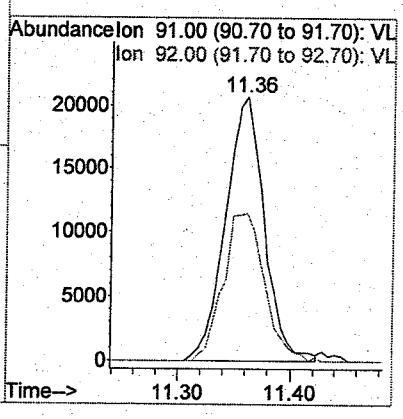




#49
Toluene
Concen: 0.41 ppbv
RT: 11.36 min Scan# 1227
Delta R.T. 0.01 min
Lab File: VL121826.D
Acq: 19 Dec 2006 4:56

Tgt Ion: 91 Resp: 48795

Ion	Ratio	Lower	Upper
91	100		
92	59.5	47.9	71.9



VOLATILES CALIBRATION DATA

Response Factor Report MSVOA_L

Method Path : V:\HPCHEM1\MSVOA_L\METHOD\
Method File : VL121806AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 09:05:30 2006
Last Update : Tue Dec 19 09:05:30 2006
Response Via : Initial Calibration

Calibration Files
1 =VL121808C.D 2 =VL121807.D 3 =VL121808A.D
4 =VL121809.D 5 =VL121810.D 6 =VL121811.D

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------							
2)	T	Dichlorodifluorom	2.677	2.837	2.353	3.414	3.840	2.029	2.779	22.96
3)	T	Chloromethane	0.958	0.939	0.783	0.953	1.026	0.621	0.839	19.01
4)	T	Vinyl Chloride	0.949	1.024	0.835	1.068	1.134	0.691	0.915	18.51
5)	T	Bromomethane	0.950	0.889	0.732	0.930	1.014	0.628	0.824	18.48
6)	T	Chloroethane	0.480	0.472	0.431	0.478	0.556	0.370	0.452	14.45
7)	T	Dichlorotetrafluo	3.021	2.721	2.460	3.327	3.554	2.080	2.763	19.96
8)	T	Propene			0.822	0.998	1.060	0.559	0.798	26.35
9)	T	Heptane	1.395	1.590	1.448	1.579	1.849	1.591	1.577	9.03
10)	T	Trichlorofluorome	3.041	3.041	2.625	3.398	3.842	2.206	2.909	20.02
11)	T	1,1,2-Trichlorotr	1.981	1.950	1.741	2.048	2.319	1.490	1.852	16.41
12)	T	Bromoethene	0.745	0.796	0.688	0.864	0.973	0.608	0.764	17.04
13)	T	Acetone	0.420	0.406	0.412	0.367	0.392	0.357	0.385	6.87
14)	T	1,3-Butadiene	0.938	0.968	0.727	0.859	0.919	0.579	0.791	20.00
15)	T	1,1-Dichloroethen	0.895	0.878	0.775	0.880	0.978	0.613	0.804	17.36
16)	T	Isopropyl Alcohol	1.758	1.434	1.551	1.979	1.587	1.584	1.598	13.15
17)	T	Methylene Chlorid		0.862	0.720	0.712	0.814	0.580	0.699	16.89
18)	T	Allyl Chloride	0.930	0.910	0.812	0.864	1.050	0.774	0.876	12.75
19)	T	trans-1,2-Dichlor	0.863	0.785	0.740	0.870	0.906	0.657	0.785	13.06
20)	T	Vinyl Acetate	1.802	1.598	1.907	1.784	2.280	2.044	2.021	14.87
21)	T	1,1-Dichloroethan	1.885	1.881	1.671	1.634	1.946	1.434	1.677	13.72
22)	T	Ethyl Acetate	2.866	2.484	2.676	2.845	3.182	2.769	2.794	7.03
23)	T	Hexane	1.431	1.395	1.205	1.462	1.747	1.267	1.390	13.42
24)	T	Carbon Disulfide	2.322	2.243	1.943	2.688	2.952	1.887	2.275	18.08
25)	T	Methyl tert-Butyl	2.011	2.115	2.307	2.370	2.594	2.447	2.363	9.13
26)	T	Chloroform	2.456	2.348	2.187	2.113	2.398	1.858	2.132	12.75
27)	T	Cyclohexane	2.686	1.907	1.419	1.497	1.757	1.275	1.645	29.52
28)	T	cis-1,2-Dichloroe	1.252	1.233	1.146	1.091	1.288	1.048	1.153	9.96
29)	T	1,1,1-Trichloroet	2.368	2.543	2.202	2.159	2.553	1.989	2.224	12.09
30)	I	1,4-Difluorobenzene	----------ISTD----------							
31)	T	2-Butanone	0.758	0.640	0.585	0.650	0.780	0.672	0.681	9.73
32)	T	Carbon Tetrachlor	1.137	1.127	0.931	1.087	1.277	0.860	1.014	16.82
33)	T	Benzene	1.098	1.098	0.992	0.748	1.111	0.828	0.946	16.34
34)	T	1,2-Dichloroethan	0.595	0.570	0.527	0.441	0.628	0.472	0.524	13.62
35)	T	Trichloroethene	0.499	0.487	0.421	0.431	0.517	0.393	0.446	11.76
36)	T	1,2-Dichloropropa	0.360	0.402	0.370	0.279	0.384	0.304	0.341	13.64
37)	T	1,4-Dioxane	0.164	0.173	0.185	0.242	0.244	0.224	0.208	15.26
38)	T	Tetrahydrofuran	0.123	0.130	0.133	0.135	0.158	0.143	0.140	8.37
39)	T	Bromodichlorometh	1.036	0.988	0.881	0.891	1.089	0.824	0.920	11.61
40)	T	2,2,4-Trimethylpe	1.689	1.776	1.592	1.749	2.176	1.686	1.742	10.92
41)	T	t-1,3-Dichloropro	0.228	0.262	0.301	0.285	0.431	0.409	0.340	27.23
42)	T	cis-1,3-Dichlorop	0.361	0.409	0.408	0.342	0.498	0.439	0.430	15.06
43)	T	1,1,2-Trichloroet	0.390	0.414	0.401	0.332	0.423	0.364	0.384	7.70
44)	T	Dibromochlorometh	0.759	0.748	0.714	0.741	0.916	0.807	0.796	8.78
45)	T	Bromoform	0.509	0.545	0.615	0.647	0.792	0.782	0.701	19.86
46)	T	4-Methyl-2-Pentan	0.678	0.626	0.689	0.881	0.897	0.863	0.781	14.07
47)	T	2-Hexanone		0.328	0.392	0.659	0.717	0.742	0.611	29.08
48)	T	Tetrachloroethene	0.556	0.537	0.470	0.458	0.521	0.432	0.483	10.29
49)	T	Toluene	0.821	0.973	0.966	0.739	1.083	0.960	0.956	13.28
50)	T	1,2-Dibromoethane	0.446	0.463	0.472	0.427	0.585	0.508	0.503	12.24
51)	I	Chlorobenzene-d5	----------ISTD----------							
52)	T	Chlorobenzene	1.012	1.137	1.024	0.821	1.231	1.009	1.027	12.18

Method Path : V:\HPCHEM1\MSVOA_L\METHOD\
Method File : VL121806AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 09:05:30 2006
Last Update : Tue Dec 19 09:05:30 2006
Response Via : Initial Calibration

Calibration Files
1 =VL121808C.D 2 =VL121807.D 3 =VL121808A.D
4 =VL121809.D 5 =VL121810.D 6 =VL121811.D

		Compound	1	2	3	4	5	6	Avg	%RSD	
53)	T	Ethyl Benzene	1.208	1.358	1.412	1.155	1.857	1.605	1.490	16.91	
54)	T	m/p-Xylene	0.912	1.049	1.153	1.010	1.603	1.327	1.220	19.03	
55)	T	o-Xylene	0.931	1.133	1.271	1.142	1.741	1.475	1.327	19.53	
56)	T	Styrene	0.431	0.475	0.538	0.523	0.918	0.869	0.665	32.93	
57)	T	1,1,2,2-Tetrachlo	1.055	0.967	0.978	0.979	1.257	1.054	1.026	9.86	r^2
58)	T	Benzyl Chloride	0.032	0.130	0.338	0.604	0.934	0.988	0.638	66.25	0.999
59)	S	1-Bromo-4-Fluorob	0.585	0.583	0.633	0.780	0.726	0.759	0.703	12.60	
60)	T	4-Ethyltoluene	0.711	0.853	0.876	1.223	1.916	1.849	1.389	37.97	0.999
61)	T	1,3,5-Trimethylbe	0.889	1.088	1.145	1.332	1.895	1.715	1.420	25.15	
62)	T	1,2,4-Trimethylbe	0.851	0.907	0.959	1.181	1.752	1.693	1.328	29.47	
63)	T	1,3-Dichlorobenze	0.603	0.706	0.830	0.962	1.252	1.191	0.982	24.99	
64)	T	1,4-Dichlorobenze	0.592	0.650	0.682	0.819	1.121	1.129	0.906	26.93	
65)	T	1,2-Dichlorobenze	0.684	0.825	0.839	0.947	1.187	1.100	0.961	17.49	
66)	T	Hexachloro-1,3-Bu	1.208	0.942	0.672	0.903	0.871	0.844	0.844	24.21	
67)	T	1,2,4-Trichlorobe	0.158	0.202	0.196	0.492	0.611	0.689	0.439	56.53	0.999

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report MSVOA_L

Method Path : V:\HPCHEM1\MSVOA_L\METHOD\
Method File : VL121806AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 09:05:30 2006
Last Update : Tue Dec 19 10:49:33 2006
Response Via : Initial Calibration

Calibration Files
3 =VL121808A.D 4 =VL121809.D 5 =VL121810.D
6 =VL121811.D 7 =VL121812.D 8 =VL121813.D

		Compound	3	4	5	6	7	8	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------							
2)	T	Dichlorodifluorom	2.353	3.414	3.840	2.029	2.066	3.014	2.786	27.03
3)	T	Chloromethane	0.783	0.953	1.026	0.621	0.604	0.830	0.803	21.30
4)	T	Vinyl Chloride	0.835	1.068	1.134	0.691	0.673	0.946	0.891	21.54
5)	T	Bromomethane	0.732	0.930	1.014	0.628	0.606	0.842	0.792	20.83
6)	T	Chloroethane	0.431	0.478	0.556	0.370	0.354	0.475	0.444	16.95
7)	T	Dichlorotetrafluo	2.460	3.327	3.554	2.080	2.030	2.908	2.727	23.50
8)	T	Propene	0.822	0.998	1.060	0.559	0.563	0.789	0.798	26.35
9)	T	Heptane	1.448	1.579	1.849	1.591	1.488	1.678	1.606	8.97
10)	T	Trichlorofluorome	2.625	3.398	3.842	2.206	2.107	3.012	2.865	23.82
11)	T	1,1,2-Trichlorotr	1.741	2.048	2.319	1.490	1.386	1.906	1.815	19.28
12)	T	Bromoethene	0.688	0.864	0.973	0.608	0.597	0.838	0.761	20.10
13)	T	Acetone	0.412	0.367	0.392	0.357	0.373	0.350	0.375	6.15
14)	T	1,3-Butadiene	0.727	0.859	0.919	0.579	0.564	0.775	0.737	19.64
15)	T	1,1-Dichloroethen	0.775	0.880	0.978	0.613	0.584	0.832	0.777	19.80
16)	T	Isopropyl Alcohol	1.551	1.979	1.587	1.584	1.621	1.269	1.598	14.17
17)	T	Methylene Chlorid	0.720	0.712	0.814	0.580	0.530	0.674	0.672	15.27
18)	T	Allyl Chloride	0.812	0.864	1.050	0.774	0.702	0.967	0.862	14.87
19)	T	trans-1,2-Dichlor	0.740	0.870	0.906	0.657	0.627	0.834	0.772	14.93
20)	T	Vinyl Acetate	1.907	1.784	2.280	2.044	2.292	2.463	2.129	12.19
21)	T	1,1-Dichloroethan	1.671	1.634	1.946	1.434	1.286	1.681	1.609	14.12
22)	T	Ethyl Acetate	2.676	2.845	3.182	2.769	2.775	2.754	2.834	6.31
23)	T	Hexane	1.205	1.462	1.747	1.267	1.154	1.459	1.382	15.89
24)	T	Carbon Disulfide	1.943	2.688	2.952	1.887	1.753	2.412	2.273	21.39
25)	T	Methyl tert-Butyl	2.307	2.370	2.594	2.447	2.629	2.436	2.464	5.10
26)	T	Chloroform	2.187	2.113	2.398	1.858	1.681	2.018	2.042	12.35
27)	T	Cyclohexane	1.419	1.497	1.757	1.275	1.151	1.466	1.428	14.52
28)	T	cis-1,2-Dichloroe	1.146	1.091	1.288	1.048	0.954	1.212	1.123	10.60
29)	T	1,1,1-Trichloroet	2.202	2.159	2.553	1.989	1.760	2.218	2.147	12.29
30)	I	1,4-Difluorobenzene	----------ISTD----------							
31)	T	2-Butanone	0.585	0.650	0.780	0.672	0.723	0.643	0.675	10.05
32)	T	Carbon Tetrachlor	0.931	1.087	1.277	0.860	0.760	0.935	0.975	18.72
33)	T	Benzene	0.992	0.748	1.111	0.828	0.750	0.945	0.896	16.24
34)	T	1,2-Dichloroethan	0.527	0.441	0.628	0.472	0.434	0.522	0.504	14.33
35)	T	Trichloroethene	0.421	0.431	0.517	0.393	0.368	0.451	0.430	11.96
36)	T	1,2-Dichloropropa	0.370	0.279	0.384	0.304	0.285	0.340	0.327	13.59
37)	T	1,4-Dioxane	0.185	0.242	0.244	0.224	0.234	0.200	0.222	10.80
38)	T	Tetrahydrofuran	0.133	0.135	0.158	0.143	0.151	0.144	0.144	6.64
39)	T	Bromodichlorometh	0.881	0.891	1.089	0.824	0.778	0.877	0.890	11.95
40)	T	2,2,4-Trimethylpe	1.592	1.749	2.176	1.686	1.560	1.704	1.744	12.79
41)	T	t-1,3-Dichloropro	0.301	0.285	0.431	0.409	0.463		0.378	21.15
42)	T	cis-1,3-Dichlorop	0.408	0.342	0.498	0.439	0.449	0.533	0.445	15.17
43)	T	1,1,2-Trichloroet	0.401	0.332	0.423	0.364	0.367	0.384	0.379	8.35
44)	T	Dibromochlorometh	0.714	0.741	0.916	0.807	0.814	0.873	0.811	9.43
45)	T	Bromoform	0.615	0.647	0.792	0.782	0.849	0.867	0.759	13.77
46)	T	4-Methyl-2-Pentan	0.689	0.881	0.897	0.863	0.878	0.736	0.824	10.71
47)	T	2-Hexanone	0.392	0.659	0.717	0.742	0.780	0.659	0.658	21.06
48)	T	Tetrachloroethene	0.470	0.458	0.521	0.432	0.419	0.470	0.462	7.74
49)	T	Toluene	0.966	0.739	1.083	0.960	0.976	1.131	0.976	13.91
50)	T	1,2-Dibromoethane	0.472	0.427	0.585	0.508	0.530	0.589	0.519	12.25
51)	I	Chlorobenzene-d5	----------ISTD----------							
52)	T	Chlorobenzene	1.024	0.821	1.231	1.009	0.919	1.063	1.011	13.69

Method Path : V:\HPCHEM1\MSVOA_L\METHOD\
Method File : VL121806AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 09:05:30 2006
Last Update : Tue Dec 19 10:49:33 2006
Response Via : Initial Calibration

Calibration Files
3 =VL121808A.D 4 =VL121809.D 5 =VL121810.D
6 =VL121811.D 7 =VL121812.D 8 =VL121813.D

		Compound	3	4	5	6	7	8	Avg	%RSD
53)	T	Ethyl Benzene	1.412	1.155	1.857	1.605	1.561	1.766	1.559	16.19
54)	T	m/p-Xylene	1.153	1.010	1.603	1.327	1.280	1.428	1.300	15.95
55)	T	o-Xylene	1.271	1.142	1.741	1.475	1.394	1.529	1.425	14.65
56)	T	Styrene	0.538	0.523	0.918	0.869	0.901		0.750	26.78
57)	T	1,1,2,2-Tetrachlo	0.978	0.979	1.257	1.054	0.962	0.957	1.031	11.25
58)	T	Benzyl Chloride	0.338	0.604	0.934	0.988	1.004	1.072	0.823	35.11
59)	S	1-Bromo-4-Fluorob	0.633	0.780	0.726	0.759	0.790	0.770	0.743	7.82
60)	T	4-Ethyltoluene	0.876	1.223	1.916	1.849	1.775	1.909	1.591	27.45
61)	T	1,3,5-Trimethylbe	1.145	1.332	1.895	1.715	1.619	1.675	1.563	17.57
62)	T	1,2,4-Trimethylbe	0.959	1.181	1.752	1.693	1.607	1.672	1.477	22.11
63)	T	1,3-Dichlorobenze	0.830	0.962	1.252	1.191	1.144	1.170	1.091	14.75
64)	T	1,4-Dichlorobenze	0.682	0.819	1.121	1.129	1.113	1.143	1.001	19.90
65)	T	1,2-Dichlorobenze	0.839	0.947	1.187	1.100	1.062	1.047	1.030	11.83
66)	T	Hexachloro-1,3-Bu	0.672	0.903	0.871	0.844	0.809	0.505	0.767	19.73
67)	T	1,2,4-Trichlorobe	0.196	0.492	0.611	0.689	0.723		0.543	39.23

(#) = Out of Range ### Number of calibration levels exceeded format ###

Calibration Status Report MSVOA_L

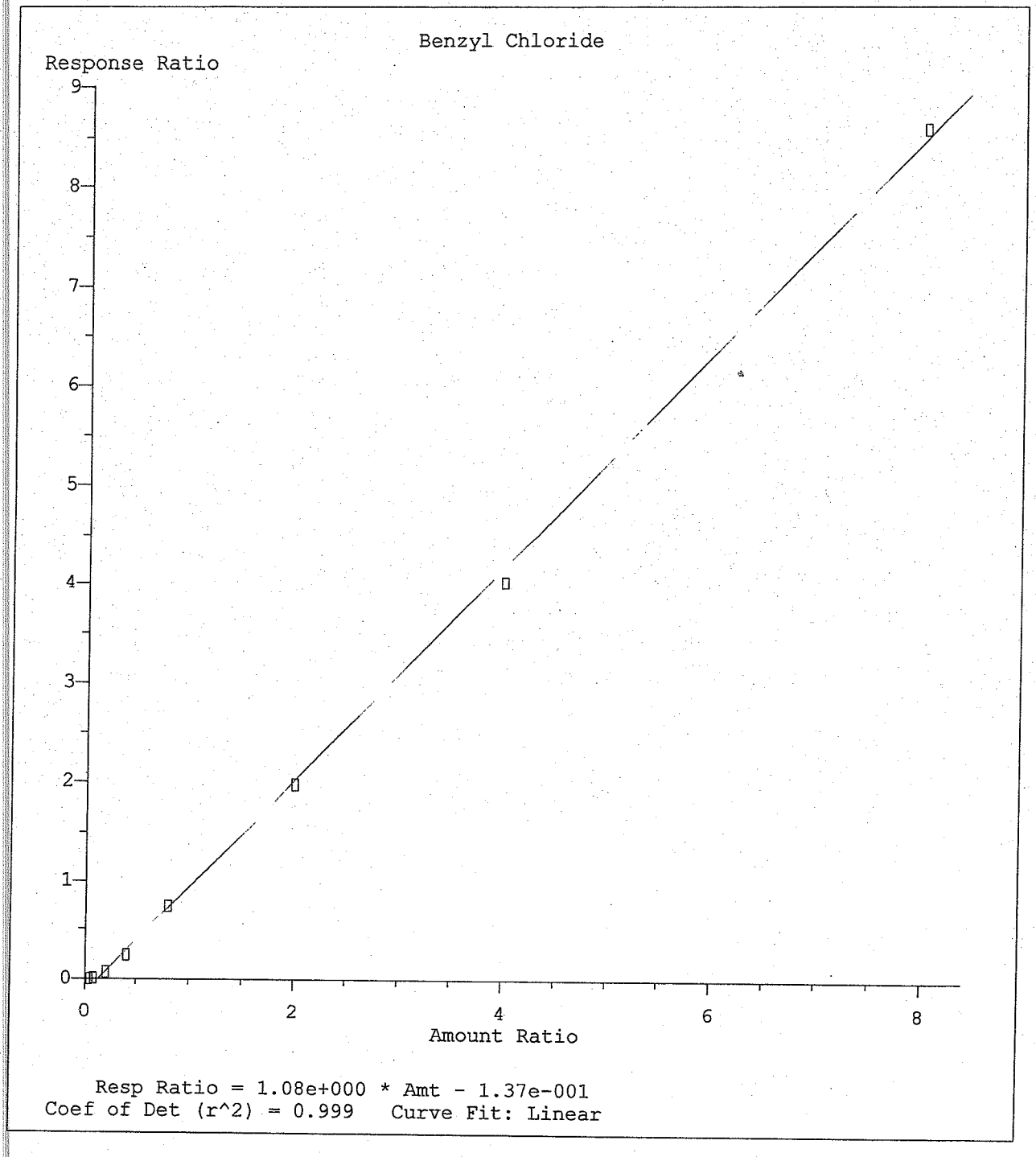
Method Path : V:\HPCHEM1\MSVOA_L\METHOD\
Method File : VL121806AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 09:05:30 2006
Last Update : Tue Dec 19 09:05:30 2006
Response Via : Initial Calibration

CALIBRATION FILES / HISTORY

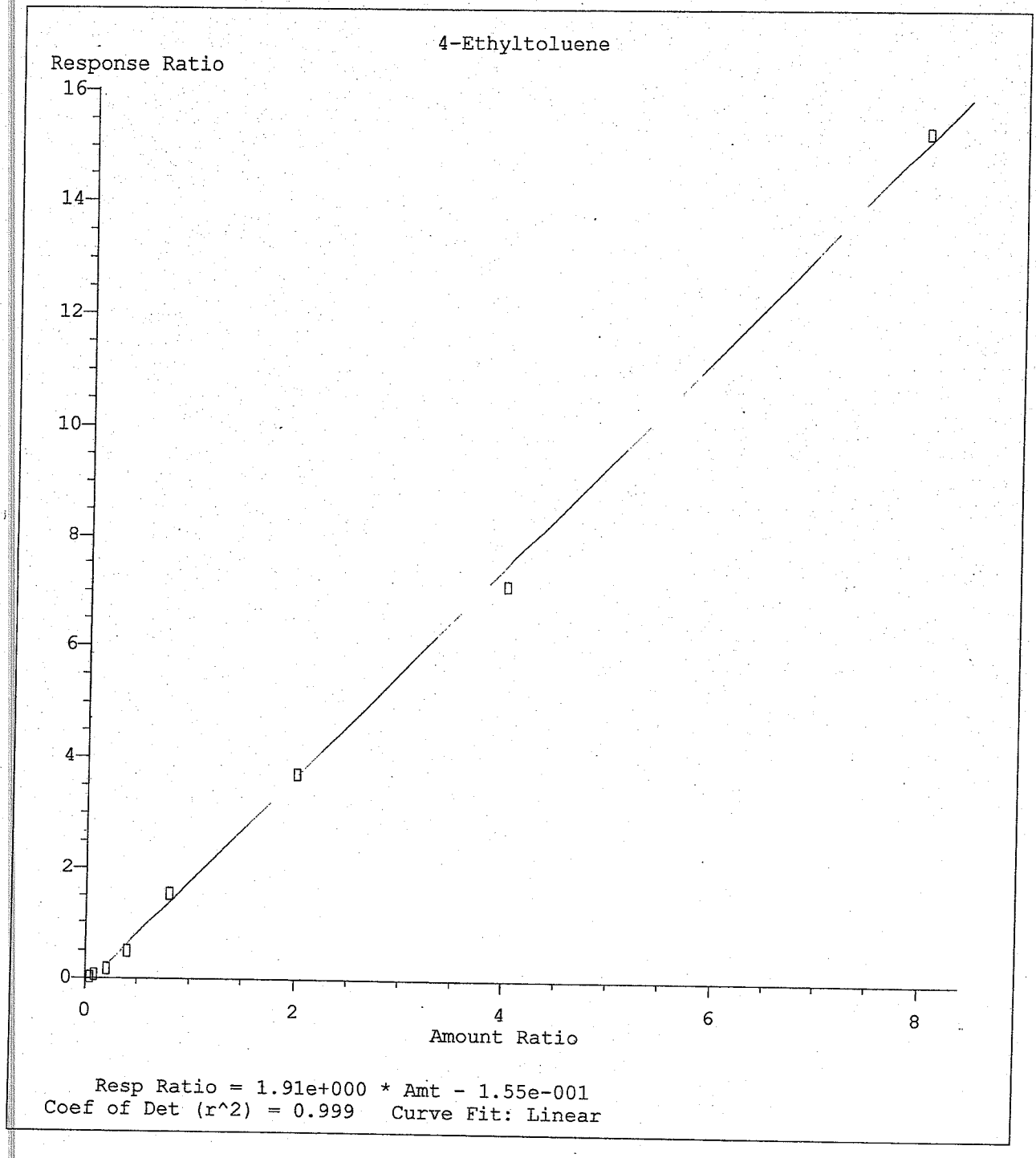
#	ID	Conc ppbv	ISTD Conc	Path\File
1	1	0.1	2.5	V:\HPCHEM1\Msvoa_L\Data\VL121806\VL121808C.D
2	2	0.2	2.5	V:\HPCHEM1\Msvoa_L\Data\VL121806\VL121807.D
3	3	0.5	2.5	V:\HPCHEM1\Msvoa_L\Data\VL121806\VL121808A.D
4	4	1	2.5	V:\HPCHEM1\Msvoa_L\Data\VL121806\VL121809.D
5	5	2	2.5	V:\HPCHEM1\Msvoa_L\Data\VL121806\VL121810.D
6	6	5	2.5	V:\HPCHEM1\Msvoa_L\Data\VL121806\VL121811.D
7	7	10	2.5	V:\HPCHEM1\Msvoa_L\Data\VL121806\VL121812.D
8	8	20	2.5	V:\HPCHEM1\Msvoa_L\Data\VL121806\VL121813.D

#	ID	Update Time	Quant Time	Acquisition Time
1	1	Dec 19 08:49 2006	Dec 19 09:35 2006	18 Dec 2006 17:22
2	2	Dec 19 08:49 2006	Dec 19 09:47 2006	18 Dec 2006 14:52
3	3	Dec 19 08:51 2006	Dec 18 17:51 2006	18 Dec 2006 16:07
4	4	Dec 19 08:51 2006	Dec 19 09:36 2006	18 Dec 2006 17:59
5	5	Dec 19 08:52 2006	Dec 19 09:36 2006	18 Dec 2006 18:36
6	6	Dec 19 08:52 2006	Dec 19 09:31 2006	18 Dec 2006 19:13
7	7	Dec 19 08:52 2006	Dec 19 09:36 2006	18 Dec 2006 19:51
8	8	Dec 19 08:52 2006	Dec 19 09:36 2006	18 Dec 2006 20:28

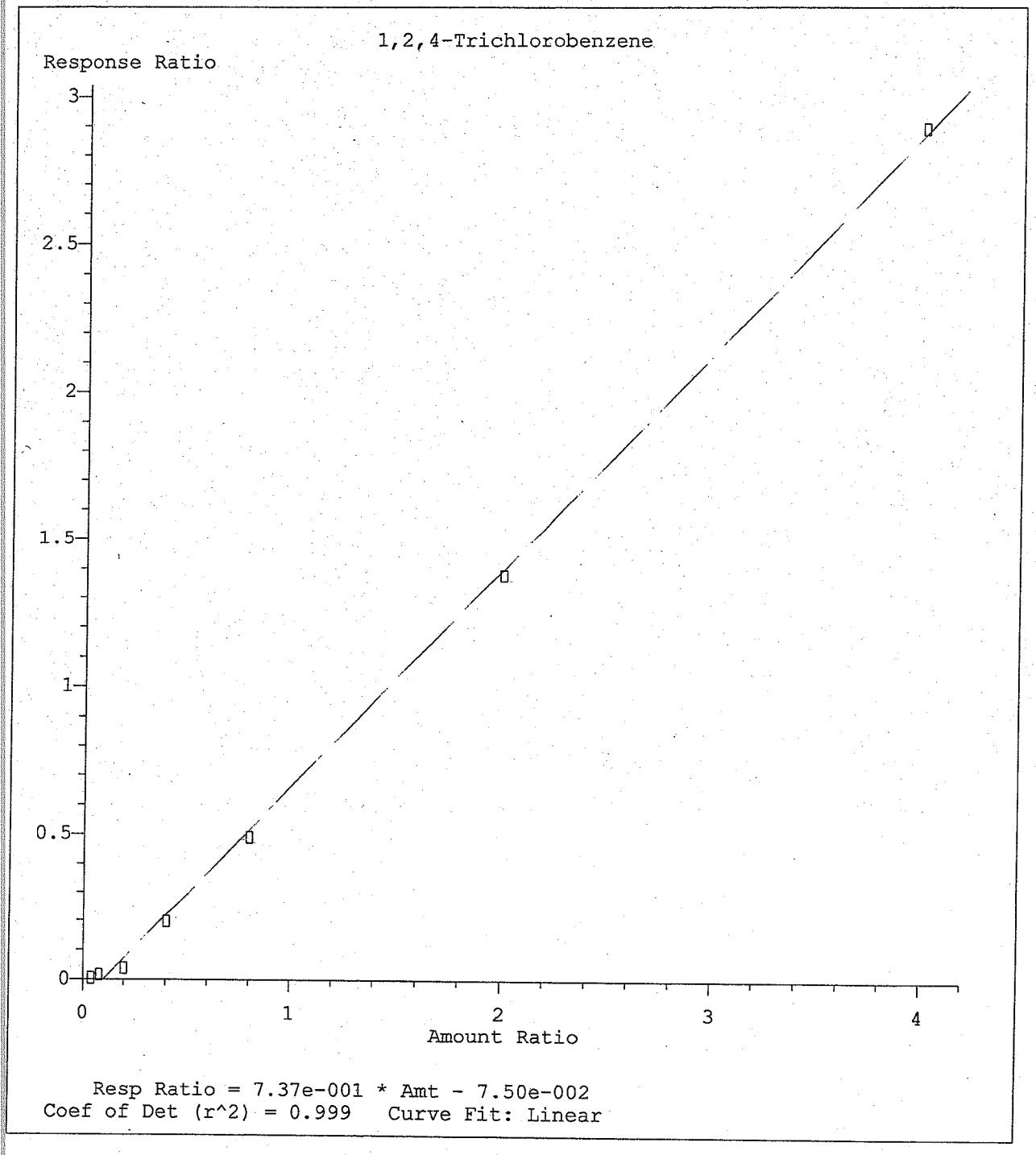
VL121806AIR.M Tue Dec 19 10:47:48 2006 GCMSAIR



Method Name: V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Calibration Table Last Updated: Tue Dec 19 09:05:30 2006



Method Name: V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Calibration Table Last Updated: Tue Dec 19 09:05:30 2006



Method Name: V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Calibration Table Last Updated: Tue Dec 19 09:05:30 2006

Quantitation Report (QT Reviewed)

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL121806\
Data File : VL121808C.D
Acq On : 18 Dec 2006 17:22
Operator : LJC
Sample : 0.1ppb ICAL
Misc : ICAL, 20ml of std msva-179
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 19 09:35:48 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 08:31:50 2006
QLast Update : Tue Dec 19 08:32:27 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.01	49	135857	2.50	ppbv	0.00
30) 1,4-Difluorobenzene	8.62	114	307473	2.50	ppbv	0.00
51) Chlorobenzene-d5	13.69	117	248898	2.50	ppbv	0.00
System Monitoring Compounds						
59) 1-Bromo-4-Fluorobenzene	16.02	95	145558	2.03	ppbv	0.00
Spiked Amount 2.500	Range 70 - 130		Recovery = 81.20%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.97	85	14547	0.10	ppbv	98
3) Chloromethane	4.09	50	5205	0.11	ppbv	92
4) Vinyl Chloride	4.23	62	5158	0.10	ppbv	95
5) Bromomethane	4.51	94	5161	0.11	ppbv	86
6) Chloroethane	4.60	64	2607	0.10	ppbv	88
7) Dichlorotetrafluoroethane	4.15	85	16415	0.11	ppbv #	79
8) Propene	3.94	41	9627	0.25	ppbv	97
9) Heptane	9.59	43	7579	0.09	ppbv	97
10) Trichlorofluoromethane	5.06	101	16524	0.12	ppbv	93
11) 1,1,2-Trichlorotrifluoroet	5.69	101	10764	0.11	ppbv	83
12) Bromoethene	4.83	108	4048	0.11	ppbv #	94
13) Acetone	5.00	58	2280	0.11	ppbv #	68
14) 1,3-Butadiene	4.32	39	5100	0.13	ppbv #	79
15) 1,1-Dichloroethene	5.47	96	4862	0.10	ppbv	99
16) Isopropyl Alcohol	5.13	45	9555	0.13	ppbv #	86
17) Methylene Chloride	5.53	84	5404	0.13	ppbv #	82
18) Allyl Chloride	5.60	41	5052	0.12	ppbv #	91
19) trans-1,2-Dichloroethene	6.14	96	4690	0.12	ppbv #	81
20) Vinyl Acetate	6.37	43	9795	0.10	ppbv #	73
21) 1,1-Dichloroethane	6.28	63	10241	0.12	ppbv #	95
22) Ethyl Acetate	7.03	43	15573	0.11	ppbv #	81
23) Hexane	7.02	57	7774	0.11	ppbv #	70
24) Carbon Disulfide	5.78	76	12618	0.10	ppbv #	89
25) Methyl tert-Butyl Ether	6.34	73	10926	0.09	ppbv	98
26) Chloroform	7.09	83	13347	0.13	ppbv	99
27) Cyclohexane	8.60	56	14594	0.17	ppbv #	64
28) cis-1,2-Dichloroethene	6.89	61	6804	0.12	ppbv #	79
29) 1,1,1-Trichloroethane	7.93	97	12868	0.13	ppbv	96
31) 2-Butanone	6.59	43	9322	0.12	ppbv #	74
32) Carbon Tetrachloride	8.47	117	13983	0.14	ppbv	95
33) Benzene	8.34	78	13509	0.11	ppbv	98
34) 1,2-Dichloroethane	7.71	62	7318	0.14	ppbv #	77
35) Trichloroethene	9.32	130	6138	0.11	ppbv	85
36) 1,2-Dichloropropane	9.09	63	4430	0.10	ppbv #	90
37) 1,4-Dioxane	9.41	88	2021	0.08	ppbv #	72
38) Tetrahydrofuran	7.49	72	1508	0.08	ppbv #	19
39) Bromodichloromethane	9.28	83	12739	0.14	ppbv	92
40) 2,2,4-Trimethylpentane	9.34	57	20777	0.10	ppbv #	88
41) t-1,3-Dichloropropene	10.81	75	2799	0.06	ppbv	98
42) cis-1,3-Dichloropropene	10.21	75	4437	0.08	ppbv #	87
43) 1,1,2-Trichloroethane	11.02	97	4796	0.10	ppbv	93
44) Dibromochloromethane	11.88	129	9338	0.11	ppbv	97

Quantitation Report (QT Reviewed)

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL121806\
Data File : VL121808C.D
Acq On : 18 Dec 2006 17:22
Operator : LJC
Sample : 0.1ppb ICAL
Misc : ICAL, 20ml of std msva-179
ALS Vial : 1 Sample Multiplier: 1

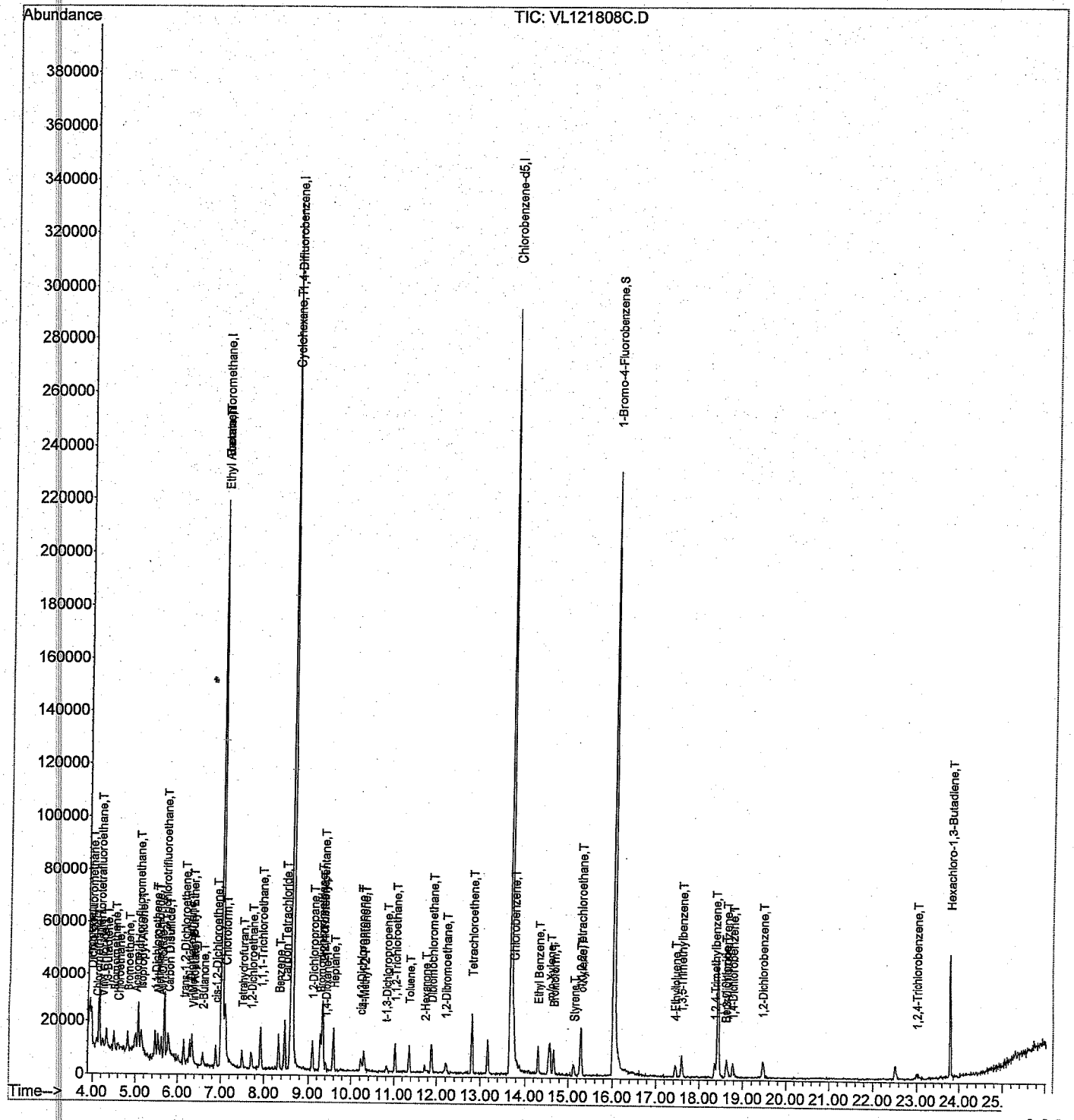
Quant Time: Dec 19 09:35:48 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 08:31:50 2006
QLast Update : Tue Dec 19 08:32:27 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
45) Bromoform	14.67	173	6263	0.08 ppbv #	86
46) 4-Methyl-2-Pentanone	10.28	43	8343	0.09 ppbv #	81
47) 2-Hexanone	11.73	43	2639	0.03 ppbv #	73
48) Tetrachloroethene	12.81	164	6833	0.11 ppbv	91
49) Toluene	11.35	91	10098	0.07 ppbv	89
50) 1,2-Dibromoethane	12.20	107	5484	0.09 ppbv	91
52) Chlorobenzene	13.74	112	10076	0.10 ppbv #	88
53) Ethyl Benzene	14.31	91	12025	0.07 ppbv #	79
54) m/p-Xylene	14.58	91	18161m	0.14 ppbv	
55) o-Xylene	15.30	91	9270	0.07 ppbv	93
56) Styrene	15.13	104	4292	0.05 ppbv	94
57) 1,1,2,2-Tetrachloroethane	15.28	83	10501	0.10 ppbv #	92
58) Benzyl Chloride	18.60	91	319	0.00 ppbv #	59
60) 4-Ethyltoluene	17.43	105	7079	0.04 ppbv	94
61) 1,3,5-Trimethylbenzene	17.58	105	8853	0.06 ppbv	88
62) 1,2,4-Trimethylbenzene	18.37	105	8469	0.06 ppbv	98
63) 1,3-Dichlorobenzene	18.63	146	5999	0.06 ppbv	97
64) 1,4-Dichlorobenzene	18.77	146	5893	0.07 ppbv	91
65) 1,2-Dichlorobenzene	19.46	146	6814	0.07 ppbv	80
66) Hexachloro-1,3-Butadiene	23.79	225	12029	0.16 ppbv	99
67) 1,2,4-Trichlorobenzene	22.99	180	1578m	0.04 ppbv	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL121806\
Data File : VL121808C.D
Acq On : 18 Dec 2006 17:22
Operator : LJC
Sample : 0.1ppb ICAL
Misc : ICAL, 20ml of std msva-179
ALS Vial : 1 Sample Multiplier: 1

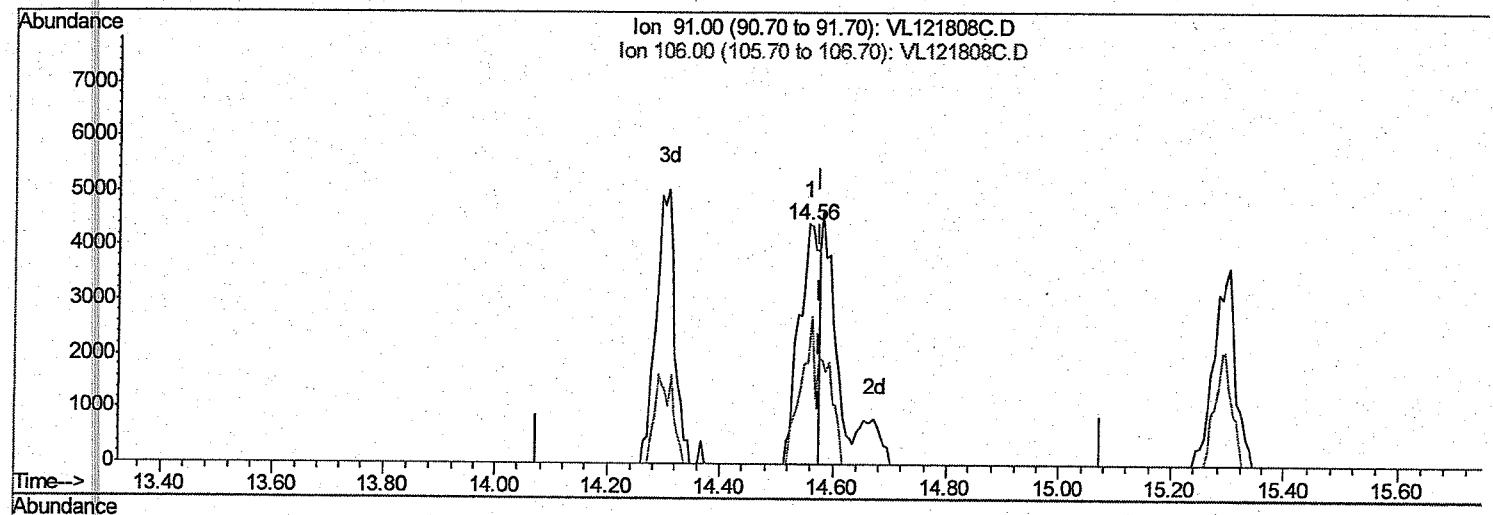
Quant Time: Dec 19 09:35:48 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 08:31:50 2006
QLast Update : Tue Dec 19 08:32:27 2006
Response via : Initial Calibration

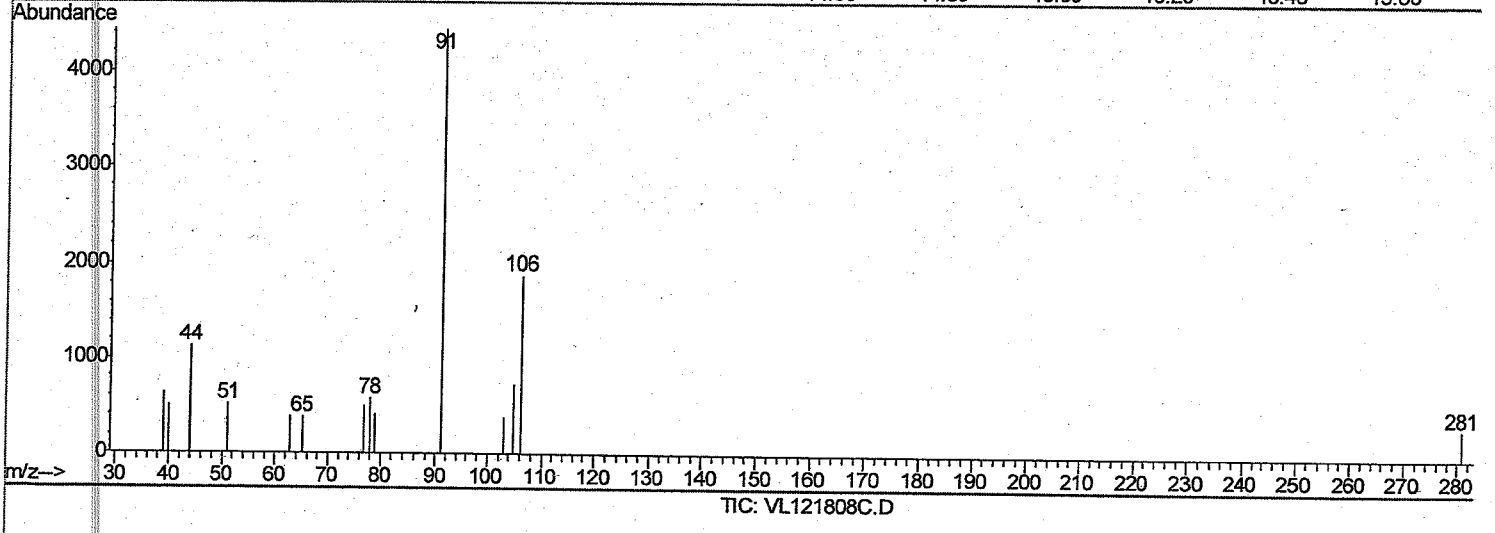


Quantitation Report (Qedit)

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL121806\
Data File : VL121808C.D
Acq On : 18 Dec 2006 17:22
Operator : LJC
Sample : 0.1ppb ICAL
Misc : ICAL, 20ml of std msva-179
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 19 09:33:35 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 08:31:50 2006
QLast Update : Tue Dec 19 08:32:27 2006
Response via : Initial Calibration





TIC: VL121808C.D

(54) m/p-Xylene (T)

14.555min (-0.018) 0.08ppbv

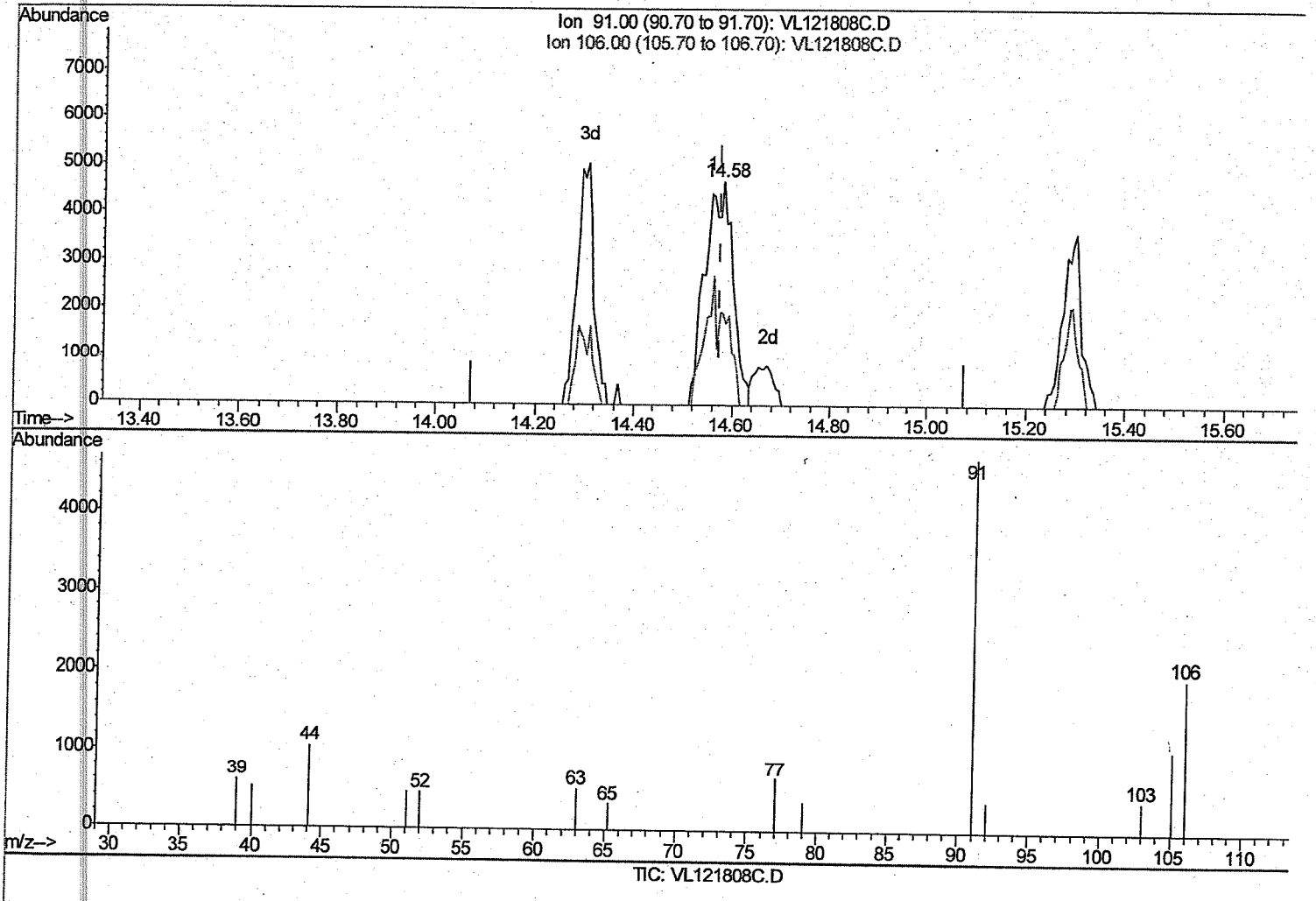
response 10507

Ion	Exp%	Act%
91.00	100	100
106.00	52.60	41.37#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL121806\
Data File : VL121808C.D
Acq On : 18 Dec 2006 17:22
Operator : LJC
Sample : 0.1ppb ICAL
Misc : ICAL, 20ml of std msva-179
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 19 09:33:35 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 08:31:50 2006
QLast Update : Tue Dec 19 08:32:27 2006
Response via : Initial Calibration



(54) m/p-Xylene (T)

14.580min (+0.006) 0.14ppbv m

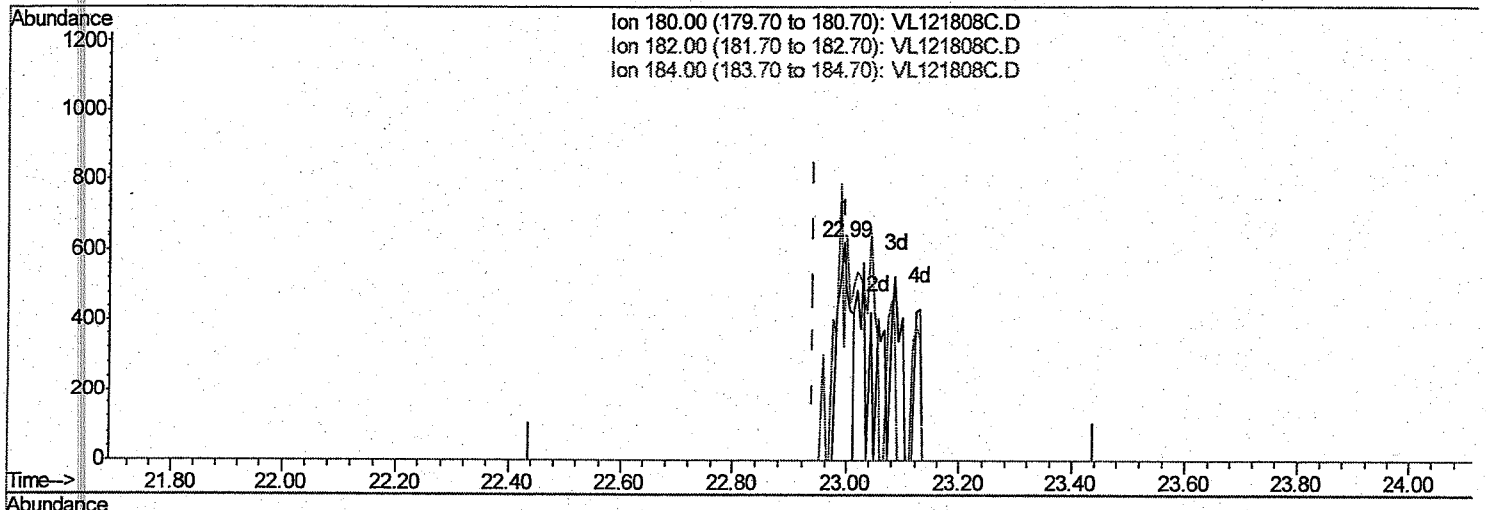
response 18161

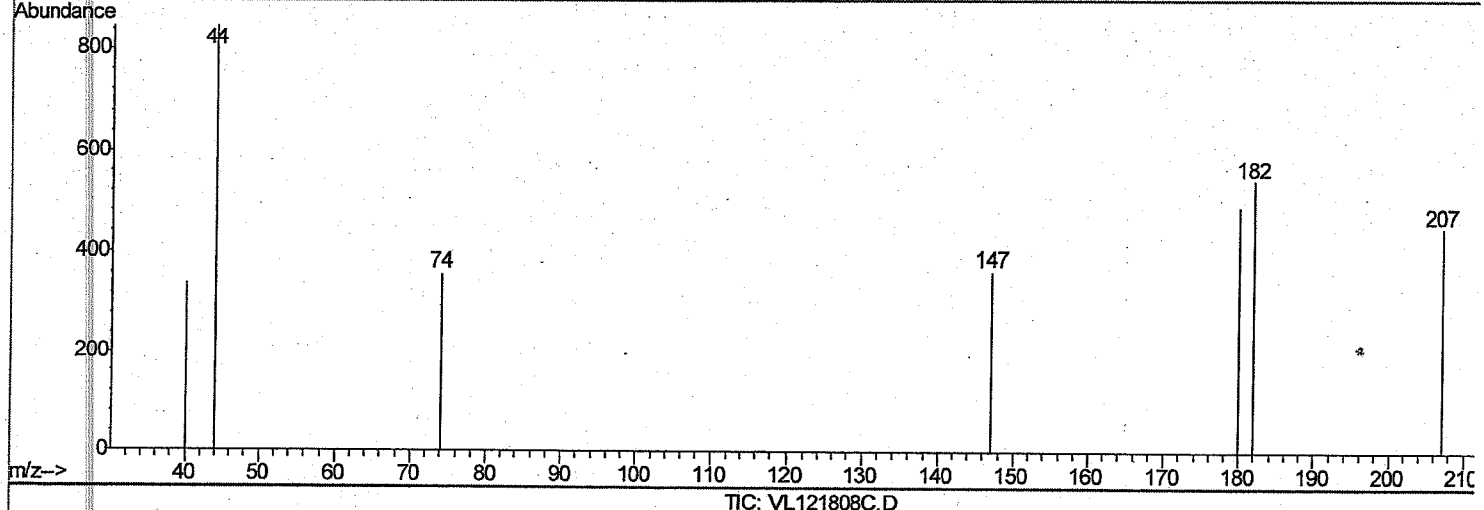
Ion	Exp%	Act%
91.00	100	100
106.00	52.60	23.94#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL121806\
Data File : VL121808C.D
Acq On : 18 Dec 2006 17:22
Operator : LJC
Sample : 0.1ppb ICAL
Misc : ICAL, 20ml of std msva-179
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 19 09:33:35 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 08:31:50 2006
QLast Update : Tue Dec 19 08:32:27 2006
Response via : Initial Calibration





TIC: VL121808C.D

(67) 1,2,4-Trichlorobenzene (T)

22.993min (+0.055) 0.03ppbv

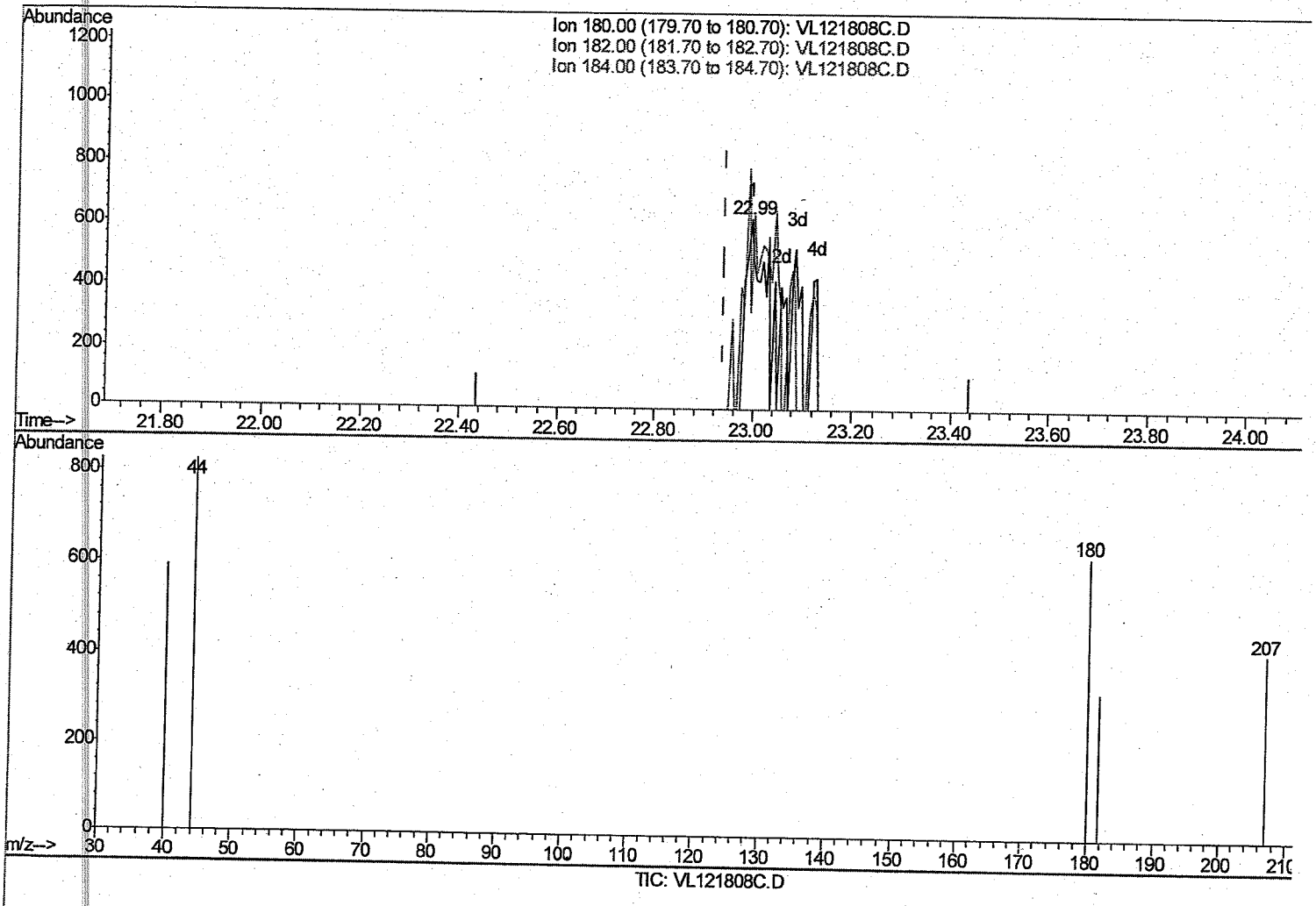
response 1058

Ion	Exp%	Act%
180.00	100	100
182.00	96.70	64.65#
184.00	29.50	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL121806\
Data File : VL121808C.D
Acq On : 18 Dec 2006 17:22
Operator : LJC
Sample : 0.1ppb ICAL
Misc : ICAL, 20ml of std msva-179
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 19 09:33:35 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 08:31:50 2006
QLast Update : Tue Dec 19 08:32:27 2006
Response via : Initial Calibration



(67) 1,2,4-Trichlorobenzene (T)

22.993min (+0.055) 0.04ppbv m

response 1578

Ion	Exp%	Act%
180.00	100	100
182.00	96.70	43.35#
184.00	29.50	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL121806\
Data File : VL121807.D
Acq On : 18 Dec 2006 14:52
Operator : LJC
Sample : 0.2ppb ICAL
Misc : ICAL, 40ml of std msva-179
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 19 09:47:18 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Dec 14 09:25:16 2006
QLast Update : Thu Dec 14 09:25:16 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.01	49	134435	2.50	ppbv	0.00
30) 1,4-Difluorobenzene	8.62	114	315209	2.50	ppbv	0.00
51) Chlorobenzene-d5	13.69	117	240154	2.50	ppbv	0.00
System Monitoring Compounds						
59) 1-Bromo-4-Fluorobenzene	16.02	95	139919	2.02	ppbv	0.00
Spiked Amount 2.500	Range 70 - 130		Recovery = 80.80%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.98	85	30515	0.22	ppbv	96
3) Chloromethane	4.09	50	10104	0.22	ppbv	93
4) Vinyl Chloride	4.23	62	11015	0.22	ppbv	89
5) Bromomethane	4.50	94	9560	0.21	ppbv	90
6) Chloroethane	4.60	64	5079	0.20	ppbv	96
7) Dichlorotetrafluoroethane	4.15	85	29261	0.20	ppbv	83
8) Propene	3.93	41	13465	0.35	ppbv	97
9) Heptane	9.59	43	17098	0.21	ppbv	92
10) Trichlorofluoromethane	5.07	101	32704	0.23	ppbv	98
11) 1,1,2-Trichlorotrifluoroet	5.68	101	20968	0.21	ppbv #	80
12) Bromoethene	4.82	108	8563	0.23	ppbv #	98
13) Acetone	5.00	58	4371	0.22	ppbv	79
14) 1,3-Butadiene	4.33	39	10406	0.28	ppbv #	64
15) 1,1-Dichloroethene	5.46	96	9448	0.20	ppbv	88
16) Isopropyl Alcohol	5.13	45	15422	0.22	ppbv #	89
17) Methylene Chloride	5.53	84	9268	0.22	ppbv #	83
18) Allyl Chloride	5.60	41	9791	0.24	ppbv #	93
19) trans-1,2-Dichloroethene	6.15	96	8438	0.22	ppbv	97
20) Vinyl Acetate	6.37	43	17188	0.18	ppbv #	82
21) 1,1-Dichloroethane	6.28	63	20231	0.23	ppbv #	93
22) Ethyl Acetate	7.03	43	26720	0.19	ppbv #	92
23) Hexane	7.01	57	15003	0.21	ppbv #	84
24) Carbon Disulfide	5.78	76	24123	0.20	ppbv #	92
25) Methyl tert-Butyl Ether	6.33	73	22742	0.20	ppbv	95
26) Chloroform	7.10	83	25249	0.25	ppbv	98
27) Cyclohexane	8.59	56	20508	0.24	ppbv #	78
28) cis-1,2-Dichloroethene	6.88	61	13262	0.23	ppbv #	78
29) 1,1,1-Trichloroethane	7.92	97	27354	0.28	ppbv	93
31) 2-Butanone	6.59	43	16146	0.21	ppbv #	77
32) Carbon Tetrachloride	8.46	117	28423	0.27	ppbv	95
33) Benzene	8.33	78	27699	0.23	ppbv #	91
34) 1,2-Dichloroethane	7.71	62	14373	0.26	ppbv #	84
35) Trichloroethene	9.32	130	12289	0.22	ppbv #	79
36) 1,2-Dichloropropane	9.09	63	10135	0.22	ppbv	96
37) 1,4-Dioxane	9.41	88	4373	0.17	ppbv #	68
38) Tetrahydrofuran	7.49	72	3274	0.18	ppbv #	43
39) Bromodichloromethane	9.28	83	24919	0.27	ppbv	96
40) 2,2,4-Trimethylpentane	9.34	57	44789	0.21	ppbv #	90
41) t-1,3-Dichloropropene	10.81	75	6611	0.15	ppbv	100
42) cis-1,3-Dichloropropene	10.21	75	10310	0.18	ppbv #	73
43) 1,1,2-Trichloroethane	11.02	97	10452	0.21	ppbv #	92
44) Dibromochloromethane	11.89	129	18851	0.22	ppbv	99

Quantitation Report (QT Reviewed)

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL121806\
Data File : VL121807.D
Acq On : 18 Dec 2006 14:52
Operator : LJC
Sample : 0.2ppb ICAL
Misc : ICAL, 40ml of std msva-179
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 19 09:47:18 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Dec 14 09:25:16 2006
QLast Update : Thu Dec 14 09:25:16 2006
Response via : Initial Calibration

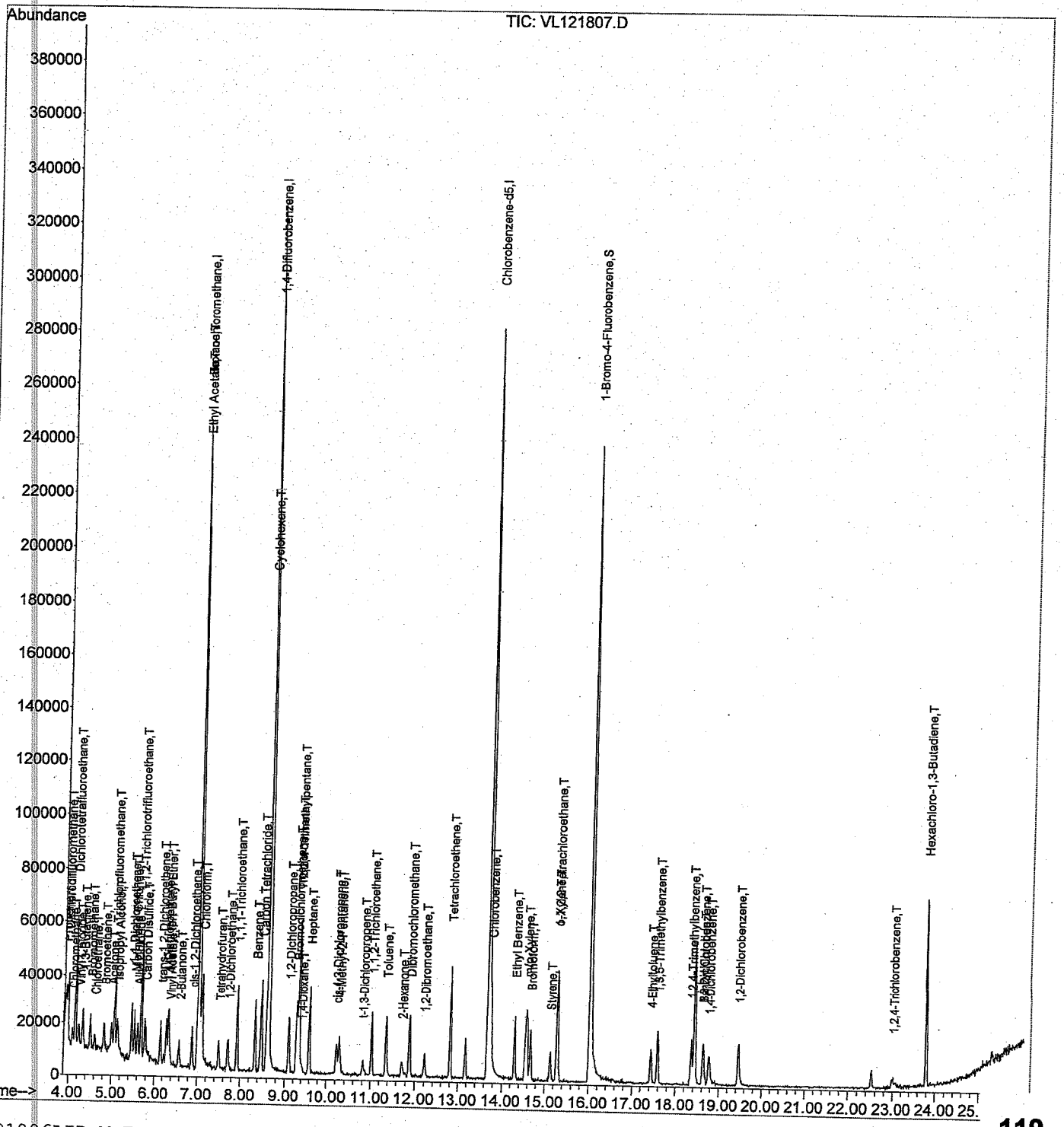
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) Bromoform	14.67	173	13745	0.18	ppbv	98
46) 4-Methyl-2-Pentanone	10.28	43	15788	0.17	ppbv #	83
47) 2-Hexanone	11.71	43	8276	0.11	ppbv #	71
48) Tetrachloroethene	12.81	164	13534	0.22	ppbv	89
49) Toluene	11.35	91	24524	0.18	ppbv	98
50) 1,2-Dibromoethane	12.20	107	11677	0.18	ppbv	95
52) Chlorobenzene	13.75	112	21849	0.22	ppbv	92
53) Ethyl Benzene	14.30	91	26097	0.16	ppbv	93
54) m/p-Xylene	14.59	91	40321	0.32	ppbv #	64
55) o-Xylene	15.28	91	21769	0.16	ppbv	91
56) Styrene	15.13	104	9135	0.11	ppbv #	83
57) 1,1,2,2-Tetrachloroethane	15.27	83	18586	0.19	ppbv	99
58) Benzyl Chloride	18.62	91	2490	0.40	ppbv #	59
60) 4-Ethyltoluene	17.43	105	16379	0.11	ppbv	92
61) 1,3,5-Trimethylbenzene	17.58	105	20895	0.14	ppbv	93
62) 1,2,4-Trimethylbenzene	18.35	105	17430	0.13	ppbv	88
63) 1,3-Dichlorobenzene	18.62	146	13564	0.15	ppbv	98
64) 1,4-Dichlorobenzene	18.76	146	12490	0.15	ppbv	96
65) 1,2-Dichlorobenzene	19.46	146	15853	0.17	ppbv	90
66) Hexachloro-1,3-Butadiene	23.79	225	18096	0.39	ppbv	98
67) 1,2,4-Trichlorobenzene	23.02	180	3883m	0.10	ppbv	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL121806\
Data File : VL121807.D
Acq On : 18 Dec 2006 14:52
Operator : LJC
Sample : 0.2ppb ICAL
Misc : ICAL, 40ml of std msva-179
ALS Vial : 1 Sample Multiplier: 1

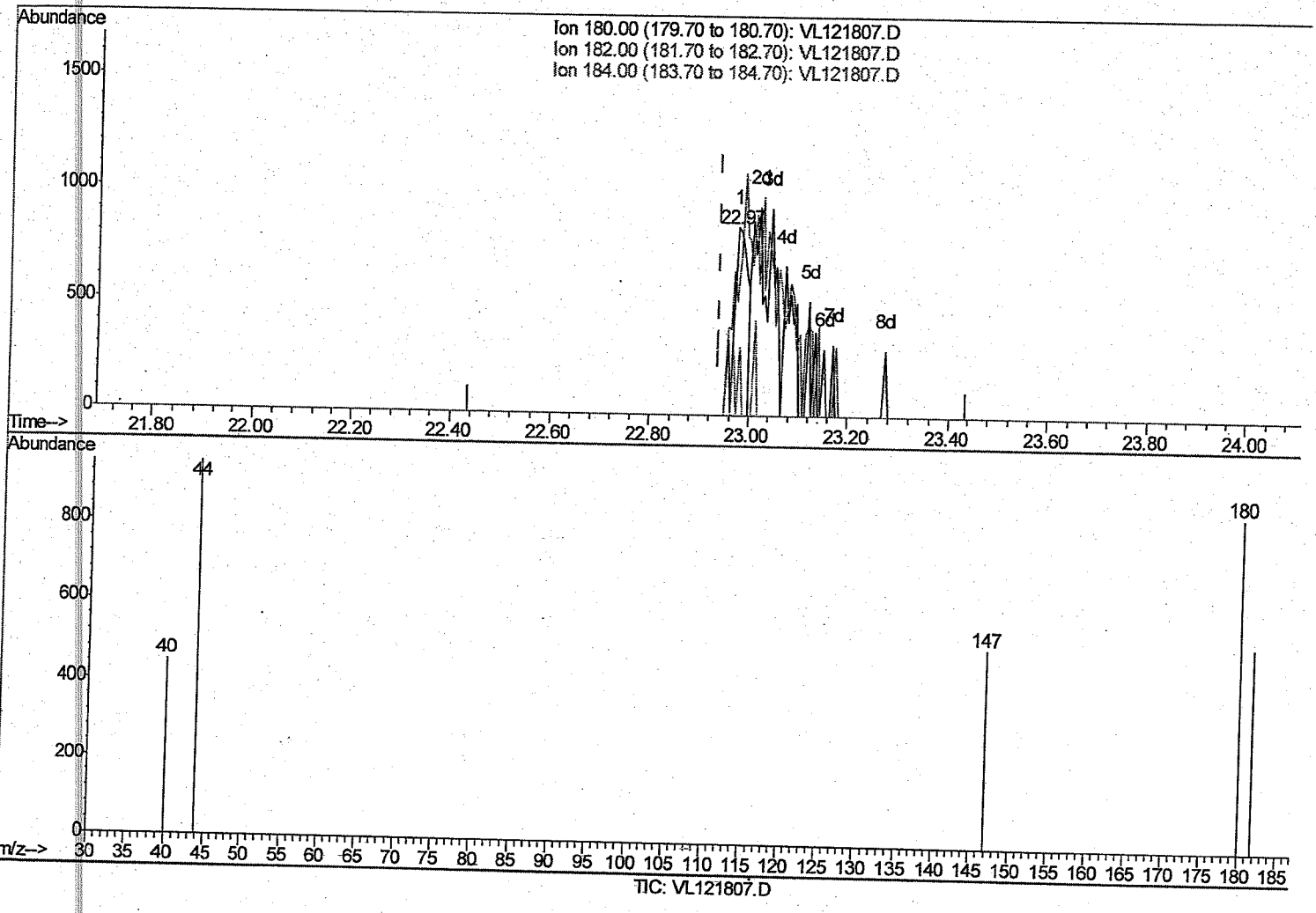
Quant Time: Dec 19 09:47:18 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Dec 14 09:25:16 2006
QLast Update : Thu Dec 14 09:25:16 2006
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL121806\
Data File : VL121807.D
Acq On : 18 Dec 2006 14:52
Operator : LJC
Sample : 0.2ppb ICAL
Misc : ICAL, 40ml of std msva-179
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 17:05:20 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Dec 14 09:25:16 2006
QLast Update : Thu Dec 14 09:25:16 2006
Response via : Initial Calibration



(67) 1,2,4-Trichlorobenzene (T)

22.974min (+0.037) 0.04ppbv

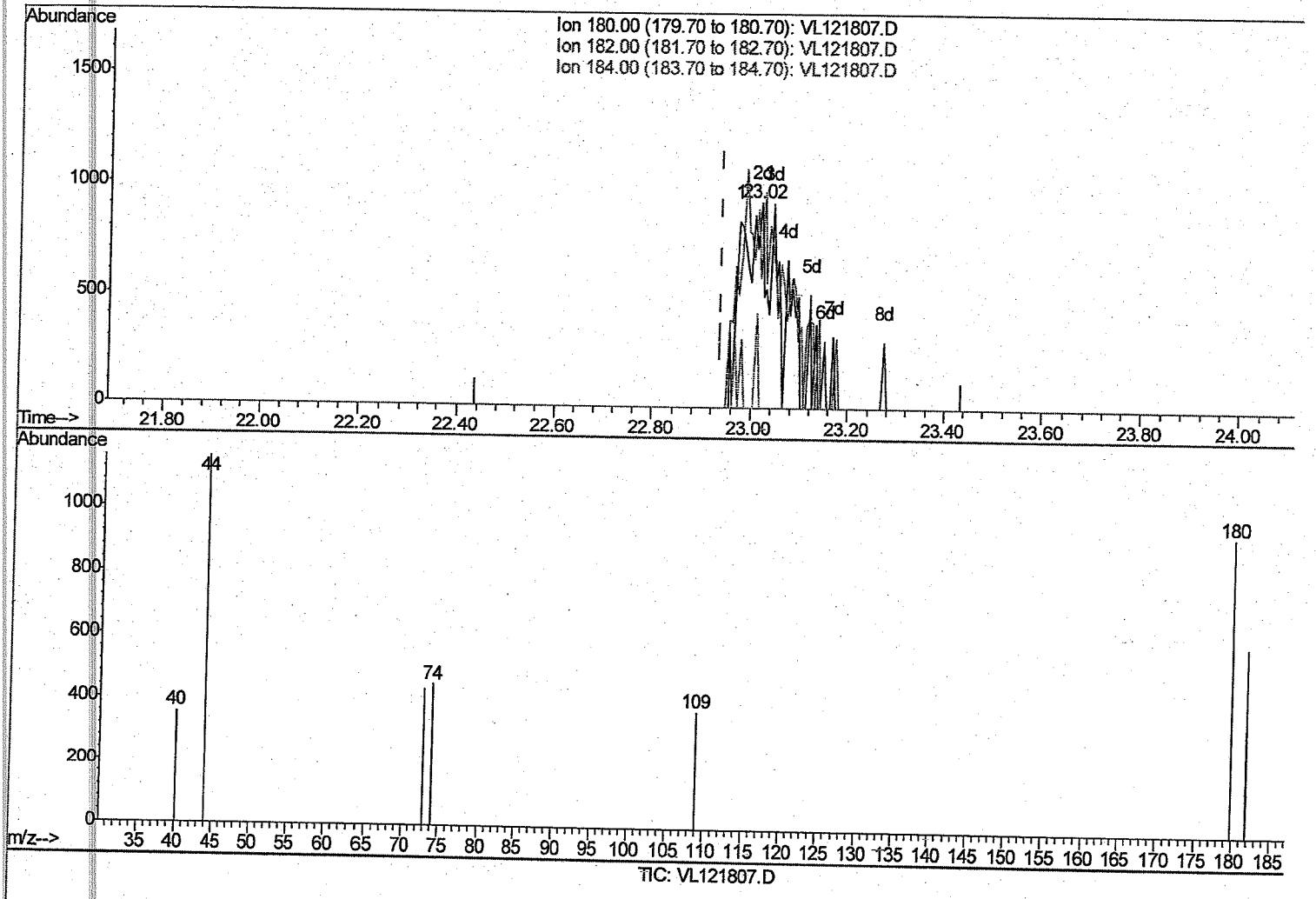
response 1606

Ion	Exp%	Act%
180.00	100	100
182.00	96.70	136.30#
184.00	29.50	14.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL121806\
Data File : VL121807.D
Acq On : 18 Dec 2006 14:52
Operator : LJC
Sample : 0.2ppb ICAL
Misc : ICAL, 40ml of std msva-179
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 17:05:20 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Dec 14 09:25:16 2006
QLast Update : Thu Dec 14 09:25:16 2006
Response via : Initial Calibration



TIC: VL121807.D

(67) 1,2,4-Trichlorobenzene (T)

23.017min (+0.080) 0.10ppbv m

response 3883

Ion	Exp%	Act%
180.00	100	100
182.00	96.70	56.37#
184.00	29.50	5.79#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL121806\
Data File : VL121808A.D
Acq On : 18 Dec 2006 16:07
Operator : LJC
Sample : 0.5ppb ICAL
Misc : ICAL, 100ml of std msva-179
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 17:51:23 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Dec 14 09:25:16 2006
QLast Update : Mon Dec 18 16:12:42 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	7.01	49	126776	2.50 ppbv	0.00
30) 1,4-Difluorobenzene	8.62	114	320252	2.50 ppbv	0.00
51) Chlorobenzene-d5	13.68	117	270548	2.50 ppbv	0.00
System Monitoring Compounds					
59) 1-Bromo-4-Fluorobenzene	16.02	95	171347	1.46 ppbv	0.00
Spiked Amount 2.500	Range 70 - 130		Recovery = 58.40%#		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.98	85	59663	0.36 ppbv	97
3) Chloromethane	4.09	50	19850	0.39 ppbv	97
4) Vinyl Chloride	4.24	62	21163	0.39 ppbv	97
5) Bromomethane	4.50	94	18553	0.39 ppbv	95
6) Chloroethane	4.60	64	10926	0.42 ppbv	100
7) Dichlorotetrafluoroethane	4.15	85	62365	0.38 ppbv #	80
8) Propene	3.93	41	20830	0.28 ppbv	96
9) Heptane	9.59	43	36724	0.47 ppbv	91
10) Trichlorofluoromethane	5.07	101	66548	0.38 ppbv	100
11) 1,1,2-Trichlorotrifluoroet	5.68	101	44149	0.42 ppbv	82
12) Bromoethene	4.82	108	17439	0.42 ppbv #	96
13) Acetone	4.98	58	10452	0.41 ppbv #	68
14) 1,3-Butadiene	4.32	39	18424	0.37 ppbv #	76
15) 1,1-Dichloroethene	5.46	96	19646	0.42 ppbv	87
16) Isopropyl Alcohol	5.12	45	39338	0.53 ppbv #	96
17) Methylene Chloride	5.53	84	18255	0.42 ppbv #	78
18) Allyl Chloride	5.60	41	20599	0.43 ppbv #	85
19) trans-1,2-Dichloroethene	6.14	96	18765	0.43 ppbv #	76
20) Vinyl Acetate	6.35	43	48364	0.54 ppbv #	88
21) 1,1-Dichloroethane	6.28	63	42368	0.46 ppbv	96
22) Ethyl Acetate	7.02	43	67862	0.53 ppbv #	94
23) Hexane	7.01	57	30561	0.42 ppbv #	62
24) Carbon Disulfide	5.78	76	49261	0.40 ppbv	95
25) Methyl tert-Butyl Ether	6.33	73	58488	0.53 ppbv	94
26) Chloroform	7.10	83	55449	0.49 ppbv	91
27) Cyclohexane	8.59	56	35986	0.32 ppbv #	80
28) cis-1,2-Dichloroethene	6.87	61	29052	0.50 ppbv #	75
29) 1,1,1-Trichloroethane	7.92	97	55822	0.45 ppbv	95
31) 2-Butanone	6.58	43	37475	0.43 ppbv #	86
32) Carbon Tetrachloride	8.47	117	59620	0.42 ppbv	98
33) Benzene	8.33	78	63522	0.47 ppbv #	93
34) 1,2-Dichloroethane	7.70	62	33759	0.50 ppbv #	91
35) Trichloroethene	9.32	130	26976	0.45 ppbv	95
36) 1,2-Dichloropropane	9.09	63	23701	0.48 ppbv #	81
37) 1,4-Dioxane	9.39	88	11875	0.55 ppbv #	66
38) Tetrahydrofuran	7.48	72	8515	0.53 ppbv #	51
39) Bromodichloromethane	9.28	83	56407	0.50 ppbv #	99
40) 2,2,4-Trimethylpentane	9.34	57	101988	0.49 ppbv #	92
41) t-1,3-Dichloropropene	10.81	75	19271	0.56 ppbv	93
42) cis-1,3-Dichloropropene	10.21	75	26106	0.53 ppbv #	88
43) 1,1,2-Trichloroethane	11.01	97	25687	0.48 ppbv	91
44) Dibromochloromethane	11.88	129	45716	0.50 ppbv	99

Quantitation Report (QT Reviewed)

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL121806\
Data File : VL121808A.D
Acq On : 18 Dec 2006 16:07
Operator : LJC
Sample : 0.5ppb ICAL
Misc : ICAL, 100ml of std msva-179
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 17:51:23 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Dec 14 09:25:16 2006
QLast Update : Mon Dec 18 16:12:42 2006
Response via : Initial Calibration

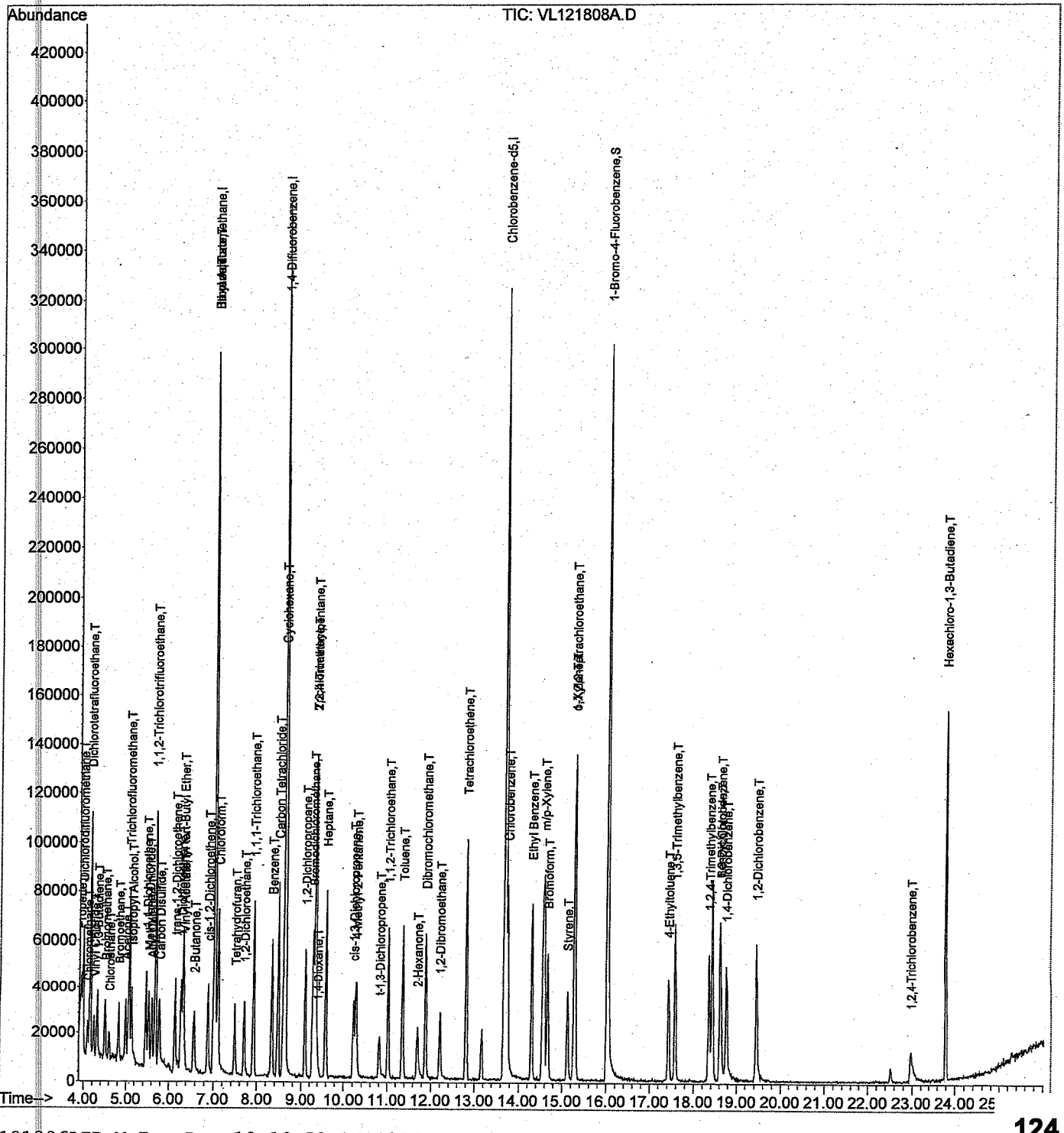
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Bromoform	14.67	173	39400	0.57	ppbv		97
46) 4-Methyl-2-Pentanone	10.27	43	44140	0.54	ppbv	#	83
47) 2-Hexanone	11.70	43	25118	0.56	ppbv	#	87
48) Tetrachloroethene	12.81	164	30083	0.43	ppbv		94
49) Toluene	11.36	91	61848	0.50	ppbv		99
50) 1,2-Dibromoethane	12.20	107	30228	0.52	ppbv		98
52) Chlorobenzene	13.74	112	55405	0.46	ppbv		96
53) Ethyl Benzene	14.29	91	76376	0.50	ppbv		99
54) m/p-Xylene	14.57	91	124733	1.06	ppbv	#	55
55) o-Xylene	15.29	91	68781	0.55	ppbv		91
56) Styrene	15.12	104	29123	0.55	ppbv	#	92
57) 1,1,2,2-Tetrachloroethane	15.27	83	52917	0.51	ppbv		96
58) Benzyl Chloride	18.62	91	18269	0.54	ppbv	#	75
60) 4-Ethyltoluene	17.43	105	47400	0.51	ppbv		98
61) 1,3,5-Trimethylbenzene	17.58	105	61946	0.52	ppbv		94
62) 1,2,4-Trimethylbenzene	18.35	105	51879	0.52	ppbv		94
63) 1,3-Dichlorobenzene	18.62	146	44906	0.52	ppbv		95
64) 1,4-Dichlorobenzene	18.76	146	36885	0.46	ppbv		97
65) 1,2-Dichlorobenzene	19.45	146	45392	0.50	ppbv		95
66) Hexachloro-1,3-Butadiene	23.79	225	36350	0.39	ppbv		98
67) 1,2,4-Trichlorobenzene	22.96	180	10629	0.65	ppbv	#	84

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL121806\
Data File : VL121808A.D
Acq On : 18 Dec 2006 16:07
Operator : LJC
Sample : 0.5ppb ICAL
Misc : ICAL, 100ml of std msva-179
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 17:51:23 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Dec 14 09:25:16 2006
QLast Update : Mon Dec 18 16:12:42 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL121806\
Data File : VL121809.D
Acq On : 18 Dec 2006 17:59
Operator : LJC
Sample : 1.0ppb ICAL
Misc : ICAL, 16ml of std msva-176
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 19 09:36:07 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 08:32:27 2006
QLast Update : Tue Dec 19 08:32:27 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.01	49	128408	2.50	ppbv	0.00
30) 1,4-Difluorobenzene	8.61	114	318388	2.50	ppbv	0.00
51) Chlorobenzene-d5	13.68	117	290178	2.50	ppbv	0.00
System Monitoring Compounds						
59) 1-Bromo-4-Fluorobenzene	16.02	95	226470	2.71	ppbv	0.00
Spiked Amount 2.500	Range 70 - 130		Recovery = 108.40%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.98	85	175364	1.33	ppbv	97
3) Chloromethane	4.09	50	48939	1.13	ppbv	96
4) Vinyl Chloride	4.23	62	54861	1.13	ppbv	97
5) Bromomethane	4.50	94	47774	1.10	ppbv	99
6) Chloroethane	4.61	64	24526	0.99	ppbv	99
7) Dichlorotetrafluoroethane	4.15	85	170866	1.23	ppbv #	79
8) Propene	3.94	41	51236	1.40	ppbv	99
9) Heptane	9.59	43	81125	1.04	ppbv	91
10) Trichlorofluoromethane	5.07	101	174556	1.31	ppbv	96
11) 1,1,2-Trichlorotrifluoroet	5.68	101	105173	1.10	ppbv	83
12) Bromoethene	4.82	108	44392	1.26	ppbv #	95
13) Acetone	4.98	58	18873	1.00	ppbv	80
14) 1,3-Butadiene	4.32	39	44131	1.23	ppbv	85
15) 1,1-Dichloroethene	5.46	96	45212	1.01	ppbv #	74
16) Isopropyl Alcohol	5.12	45	101654	1.51	ppbv	98
17) Methylene Chloride	5.53	84	36551	0.91	ppbv #	84
18) Allyl Chloride	5.61	41	44369	1.13	ppbv #	93
19) trans-1,2-Dichloroethene	6.14	96	44676	1.23	ppbv #	76
20) Vinyl Acetate	6.35	43	91634	0.98	ppbv #	89
21) 1,1-Dichloroethane	6.28	63	83912	1.00	ppbv	95
22) Ethyl Acetate	7.01	43	146106	1.10	ppbv #	95
23) Hexane	7.01	57	75068	1.12	ppbv #	75
24) Carbon Disulfide	5.78	76	138068	1.19	ppbv #	95
25) Methyl tert-Butyl Ether	6.32	73	121727	1.12	ppbv	94
26) Chloroform	7.09	83	108545	1.14	ppbv	94
27) Cyclohexane	8.59	56	76888	0.94	ppbv #	81
28) cis-1,2-Dichloroethene	6.88	61	56052	1.02	ppbv #	80
29) 1,1,1-Trichloroethane	7.92	97	110888	1.18	ppbv #	94
31) 2-Butanone	6.56	43	82723	1.04	ppbv #	84
32) Carbon Tetrachloride	8.47	117	138376	1.30	ppbv	95
33) Benzene	8.33	78	95315	0.78	ppbv #	91
34) 1,2-Dichloroethane	7.71	62	56225	1.00	ppbv #	91
35) Trichloroethene	9.32	130	54856	0.99	ppbv	95
36) 1,2-Dichloropropane	9.09	63	35562	0.78	ppbv #	90
37) 1,4-Dioxane	9.37	88	30848	1.16	ppbv	86
38) Tetrahydrofuran	7.47	72	17192	0.93	ppbv #	43
39) Bromodichloromethane	9.28	83	113418	1.20	ppbv #	96
40) 2,2,4-Trimethylpentane	9.34	57	222707	1.03	ppbv #	92
41) t-1,3-Dichloropropene	10.80	75	36329	0.80	ppbv	98
42) cis-1,3-Dichloropropene	10.21	75	43507	0.74	ppbv #	82
43) 1,1,2-Trichloroethane	11.01	97	42320	0.83	ppbv	91
44) Dibromochloromethane	11.88	129	94410	1.07	ppbv	99

Quantitation Report (QT Reviewed)

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL121806\
Data File : VL121809.D
Acq On : 18 Dec 2006 17:59
Operator : LJC
Sample : 1.0ppb ICAL
Misc : ICAL, 16ml of std msva-176
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 19 09:36:07 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 08:32:27 2006
QLast Update : Tue Dec 19 08:32:27 2006
Response via : Initial Calibration

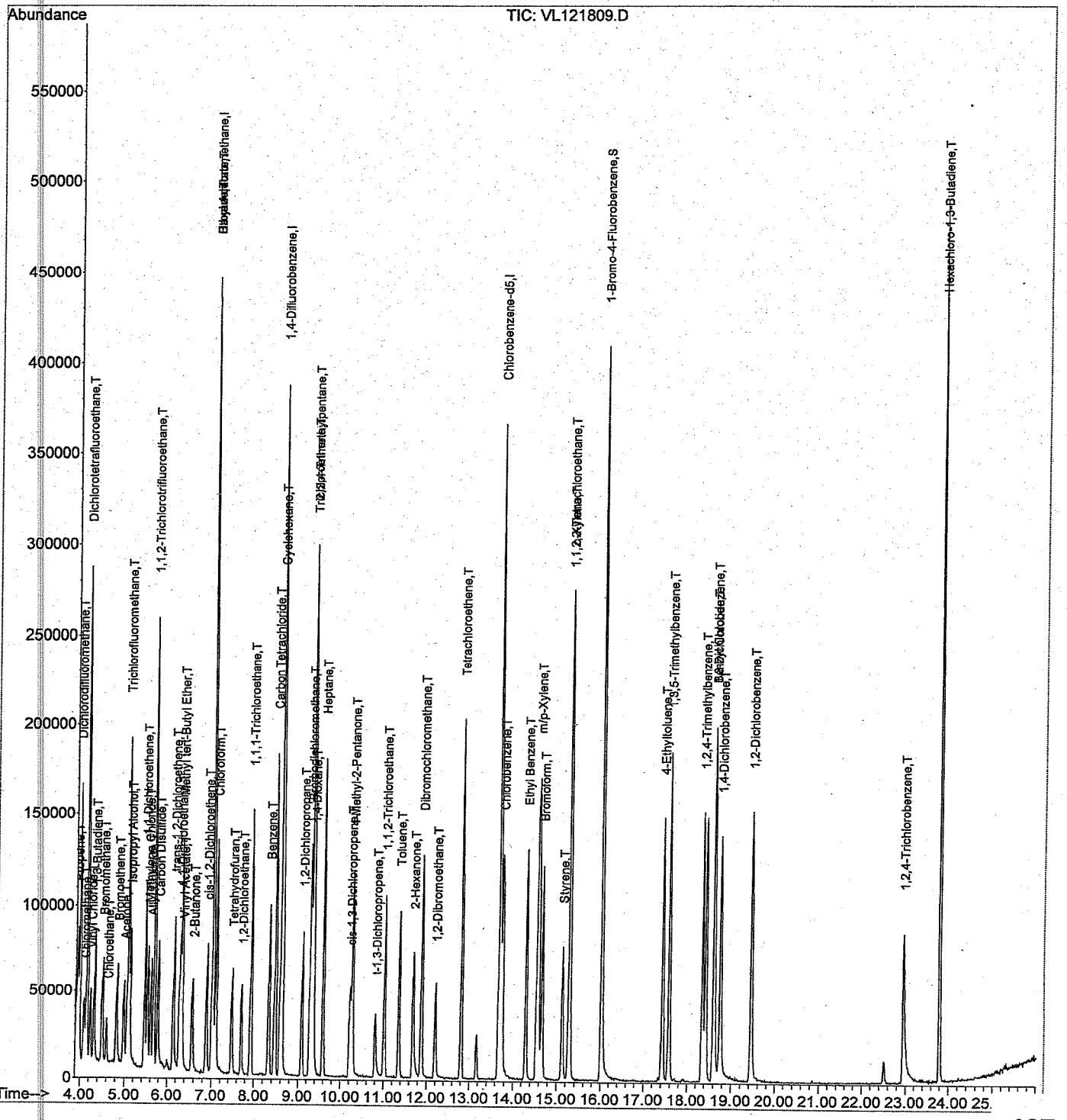
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
45) Bromoform	14.67	173	82412	1.07 ppbv	97
46) 4-Methyl-2-Pentanone	10.26	43	112197	1.17 ppbv #	85
47) 2-Hexanone	11.68	43	83969	1.06 ppbv #	84
48) Tetrachloroethene	12.81	164	58316	0.94 ppbv	91
49) Toluene	11.35	91	94059	0.67 ppbv	99
50) 1,2-Dibromoethane	12.20	107	54394	0.85 ppbv	97
52) Chlorobenzene	13.74	112	95351	0.80 ppbv	95
53) Ethyl Benzene	14.29	91	134079	0.70 ppbv #	88
54) m/p-Xylene	14.58	91	234569	1.55 ppbv	91
55) o-Xylene	15.29	91	132527	0.82 ppbv	91
56) Styrene	15.12	104	60749	0.61 ppbv	94
57) 1,1,2,2-Tetrachloroethane	15.27	83	113689	0.97 ppbv	99
58) Benzyl Chloride	18.60	91	70154	0.86 ppbv	93
60) 4-Ethyltoluene	17.43	105	141898	0.77 ppbv	95
61) 1,3,5-Trimethylbenzene	17.57	105	154588	0.88 ppbv	88
62) 1,2,4-Trimethylbenzene	18.35	105	137044	0.82 ppbv	97
63) 1,3-Dichlorobenzene	18.62	146	111711	0.99 ppbv	95
64) 1,4-Dichlorobenzene	18.76	146	95085	0.94 ppbv	95
65) 1,2-Dichlorobenzene	19.44	146	109949	1.00 ppbv	94
66) Hexachloro-1,3-Butadiene	23.79	225	104768	1.17 ppbv	98
67) 1,2,4-Trichlorobenzene	22.94	180	57152	1.18 ppbv	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL121806\
Data File : VL121809.D
Acq On : 18 Dec 2006 17:59
Operator : LJC
Sample : 1.0ppb ICAL
Misc : ICAL, 16ml of std msva-176
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 19 09:36:07 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 08:32:27 2006
QLast Update : Tue Dec 19 08:32:27 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL121806\
Data File : VL121810.D
Acq On : 18 Dec 2006 18:36
Operator : LJC
Sample : 2.0ppb ICAL
Misc : ICAL, 32ml of std msva-176
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 19 09:36:22 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 08:32:27 2006
QLast Update : Tue Dec 19 08:32:27 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.01	49	162819	2.50	ppbv	0.00
30) 1,4-Difluorobenzene	8.62	114	378018	2.50	ppbv	0.00
51) Chlorobenzene-d5	13.68	117	285431	2.50	ppbv	0.00
System Monitoring Compounds						
59) 1-Bromo-4-Fluorobenzene	16.02	95	207187	2.52	ppbv	0.00
Spiked Amount 2.500	Range 70 - 130		Recovery = 100.80%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.98	85	500219	3.00	ppbv	99
3) Chloromethane	4.09	50	133659	2.43	ppbv	94
4) Vinyl Chloride	4.24	62	147653	2.39	ppbv	98
5) Bromomethane	4.50	94	132121	2.39	ppbv	98
6) Chloroethane	4.61	64	72386	2.30	ppbv	94
7) Dichlorotetrafluoroethane	4.15	85	462980	2.62	ppbv #	79
8) Propene	3.93	41	138032	2.97	ppbv	97
9) Heptane	9.59	43	240779	2.43	ppbv	90
10) Trichlorofluoromethane	5.07	101	500488	2.96	ppbv	99
11) 1,1,2-Trichlorotrifluoroet	5.68	101	302067	2.49	ppbv	82
12) Bromoethene	4.82	108	126710	2.83	ppbv #	98
13) Acetone	4.97	58	51005	2.14	ppbv #	68
14) 1,3-Butadiene	4.33	39	119700	2.64	ppbv	90
15) 1,1-Dichloroethene	5.47	96	127380	2.24	ppbv #	63
16) Isopropyl Alcohol	5.11	45	206667	2.42	ppbv	98
17) Methylene Chloride	5.53	84	105987	2.08	ppbv #	80
18) Allyl Chloride	5.61	41	136759	2.74	ppbv #	91
19) trans-1,2-Dichloroethene	6.14	96	117956	2.56	ppbv #	73
20) Vinyl Acetate	6.34	43	296982	2.51	ppbv #	91
21) 1,1-Dichloroethane	6.28	63	253520	2.38	ppbv	95
22) Ethyl Acetate	7.01	43	414443	2.47	ppbv #	94
23) Hexane	7.01	57	227503	2.67	ppbv #	84
24) Carbon Disulfide	5.78	76	384555	2.62	ppbv #	96
25) Methyl tert-Butyl Ether	6.31	73	337882	2.44	ppbv	93
26) Chloroform	7.10	83	312345	2.59	ppbv	100
27) Cyclohexane	8.59	56	228855	2.22	ppbv #	80
28) cis-1,2-Dichloroethene	6.88	61	167763	2.41	ppbv #	79
29) 1,1,1-Trichloroethane	7.92	97	332554	2.80	ppbv	96
31) 2-Butanone	6.56	43	235780	2.50	ppbv #	83
32) Carbon Tetrachloride	8.46	117	386193	3.05	ppbv	97
33) Benzene	8.33	78	336038	2.31	ppbv #	95
34) 1,2-Dichloroethane	7.70	62	189997	2.85	ppbv #	91
35) Trichloroethene	9.32	130	156247	2.38	ppbv #	73
36) 1,2-Dichloropropane	9.09	63	116266	2.15	ppbv #	88
37) 1,4-Dioxane	9.36	88	73932	2.33	ppbv	86
38) Tetrahydrofuran	7.47	72	47918	2.18	ppbv #	44
39) Bromodichloromethane	9.28	83	329253	2.93	ppbv #	98
40) 2,2,4-Trimethylpentane	9.34	57	658201	2.55	ppbv #	93
41) t-1,3-Dichloropropene	10.81	75	130304	2.42	ppbv	96
42) cis-1,3-Dichloropropene	10.21	75	150626	2.16	ppbv #	85
43) 1,1,2-Trichloroethane	11.01	97	127954	2.11	ppbv	94
44) Dibromochloromethane	11.88	129	276960	2.65	ppbv	99

Quantitation Report (QT Reviewed)

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL121806\
Data File : VL121810.D
Acq On : 18 Dec 2006 18:36
Operator : LJC
Sample : 2.0ppb ICAL
Misc : ICAL, 32ml of std msva-176
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 19 09:36:22 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 08:32:27 2006
QLast Update : Tue Dec 19 08:32:27 2006
Response via : Initial Calibration

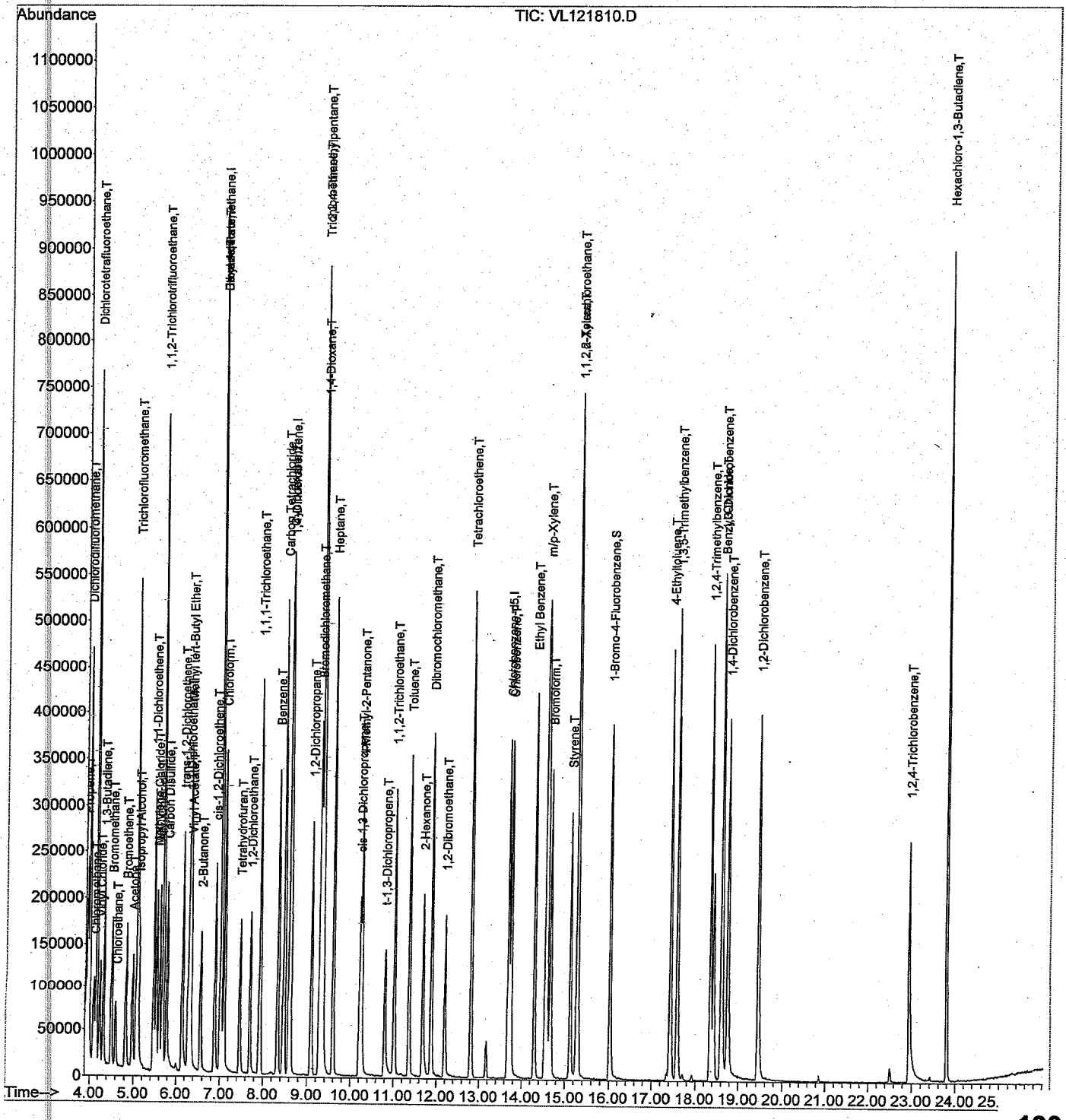
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
45) Bromoform	14.66	173	239431	2.63 ppbv	99
46) 4-Methyl-2-Pentanone	10.26	43	271314	2.39 ppbv	88
47) 2-Hexanone	11.68	43	216978	2.31 ppbv #	83
48) Tetrachloroethene	12.81	164	157599	2.13 ppbv #	89
49) Toluene	11.36	91	327402	1.98 ppbv	100
50) 1,2-Dibromoethane	12.20	107	176880	2.33 ppbv	97
52) Chlorobenzene	13.74	112	281158	2.39 ppbv #	88
53) Ethyl Benzene	14.29	91	424076	2.25 ppbv	94
54) m/p-Xylene	14.57	91	732229	4.93 ppbv	92
55) o-Xylene	15.29	91	397544	2.49 ppbv	91
56) Styrene	15.12	104	209601	2.14 ppbv	93
57) 1,1,2,2-Tetrachloroethane	15.27	83	287033	2.49 ppbv	99
58) Benzyl Chloride	18.60	91	213160	2.65 ppbv	94
60) 4-Ethyltoluene	17.43	105	437431	2.41 ppbv	95
61) 1,3,5-Trimethylbenzene	17.57	105	432695	2.51 ppbv	92
62) 1,2,4-Trimethylbenzene	18.35	105	399967	2.42 ppbv	94
63) 1,3-Dichlorobenzene	18.62	146	285894	2.59 ppbv	95
64) 1,4-Dichlorobenzene	18.75	146	255957	2.57 ppbv	95
65) 1,2-Dichlorobenzene	19.44	146	271084	2.51 ppbv	96
66) Hexachloro-1,3-Butadiene	23.79	225	198791	2.26 ppbv	99
67) 1,2,4-Trichlorobenzene	22.94	180	139585	2.93 ppbv	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL121806\
Data File : VL121810.D
Acq On : 18 Dec 2006 18:36
Operator : LJC
Sample : 2.0ppb ICAL
Misc : ICAL, 32ml of std msva-176
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 19 09:36:22 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 08:32:27 2006
QLast Update : Tue Dec 19 08:32:27 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL121806\
Data File : VL121811.D
Acq On : 18 Dec 2006 19:13
Operator : LJC
Sample : 5.0ppb ICAL
Misc : ICAL, 80ml of std msva-176
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 19 10:17:35 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 09:05:30 2006
QLast Update : Tue Dec 19 09:05:30 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	7.01	49	147964	2.50	ppbv		0.00
30) 1,4-Difluorobenzene	8.62	114	380447	2.50	ppbv		0.00
51) Chlorobenzene-d5	13.68	117	317159	2.50	ppbv		0.00
System Monitoring Compounds							
59) 1-Bromo-4-Fluorobenzene	16.02	95	240728	2.70	ppbv		0.00
Spiked Amount 2.500	Range 70 - 130		Recovery = 108.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.98	85	600423	3.65	ppbv		100
3) Chloromethane	4.09	50	183722	3.70	ppbv		94
4) Vinyl Chloride	4.23	62	204364	3.77	ppbv		96
5) Bromomethane	4.50	94	185902	3.81	ppbv		99
6) Chloroethane	4.60	64	109621	4.10	ppbv		97
7) Dichlorotetrafluoroethane	4.15	85	615662	3.77	ppbv	#	79
8) Propene	3.93	41	165366	3.50	ppbv		99
9) Heptane	9.59	43	470816	5.04	ppbv		89
10) Trichlorofluoromethane	5.07	101	652751	3.79	ppbv		100
11) 1,1,2-Trichlorotrifluoroet	5.68	101	440810	4.02	ppbv		81
12) Bromoethene	4.82	108	179817	3.98	ppbv	#	96
13) Acetone	4.97	58	105600	4.64	ppbv		76
14) 1,3-Butadiene	4.32	39	171228	3.66	ppbv		90
15) 1,1-Dichloroethene	5.47	96	181268	3.81	ppbv	#	71
16) Isopropyl Alcohol	5.10	45	468683	4.96	ppbv		99
17) Methylene Chloride	5.53	84	171758	4.15	ppbv	#	81
18) Allyl Chloride	5.60	41	229123	4.42	ppbv	#	92
19) trans-1,2-Dichloroethene	6.14	96	194529	4.19	ppbv	#	76
20) Vinyl Acetate	6.34	43	604910	5.06	ppbv	#	90
21) 1,1-Dichloroethane	6.28	63	424475	4.28	ppbv		95
22) Ethyl Acetate	7.01	43	819516	4.96	ppbv	#	94
23) Hexane	7.01	57	375039	4.56	ppbv	#	65
24) Carbon Disulfide	5.78	76	558382	4.15	ppbv	#	95
25) Methyl tert-Butyl Ether	6.31	73	724131	5.18	ppbv		93
26) Chloroform	7.10	83	549704	4.36	ppbv		96
27) Cyclohexane	8.59	56	377337	3.88	ppbv	#	81
28) cis-1,2-Dichloroethene	6.88	61	310229	4.55	ppbv	#	80
29) 1,1,1-Trichloroethane	7.92	97	588716	4.47	ppbv	#	95
31) 2-Butanone	6.55	43	510943	4.93	ppbv	#	85
32) Carbon Tetrachloride	8.47	117	654350	4.24	ppbv		97
33) Benzene	8.33	78	629827	4.37	ppbv	#	95
34) 1,2-Dichloroethane	7.70	62	359033	4.50	ppbv	#	92
35) Trichloroethene	9.32	130	298899	4.40	ppbv	#	81
36) 1,2-Dichloropropane	9.09	63	231680	4.47	ppbv	#	83
37) 1,4-Dioxane	9.34	88	170217	5.37	ppbv		92
38) Tetrahydrofuran	7.46	72	108840	5.13	ppbv	#	51
39) Bromodichloromethane	9.28	83	627276	4.48	ppbv		99
40) 2,2,4-Trimethylpentane	9.34	57	1282870	4.84	ppbv	#	95
41) t-1,3-Dichloropropene	10.80	75	310930	6.01	ppbv		99
42) cis-1,3-Dichloropropene	10.21	75	334075	5.11	ppbv	#	84
43) 1,1,2-Trichloroethane	11.01	97	276948	4.73	ppbv		95
44) Dibromochloromethane	11.88	129	614256	5.07	ppbv		99

Quantitation Report (QT Reviewed)

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL121806\
Data File : VL121811.D
Acq On : 18 Dec 2006 19:13
Operator : LJC
Sample : 5.0ppb ICAL
Misc : ICAL, 80ml of std msva-176
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 19 10:17:35 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 09:05:30 2006
QLast Update : Tue Dec 19 09:05:30 2006
Response via : Initial Calibration

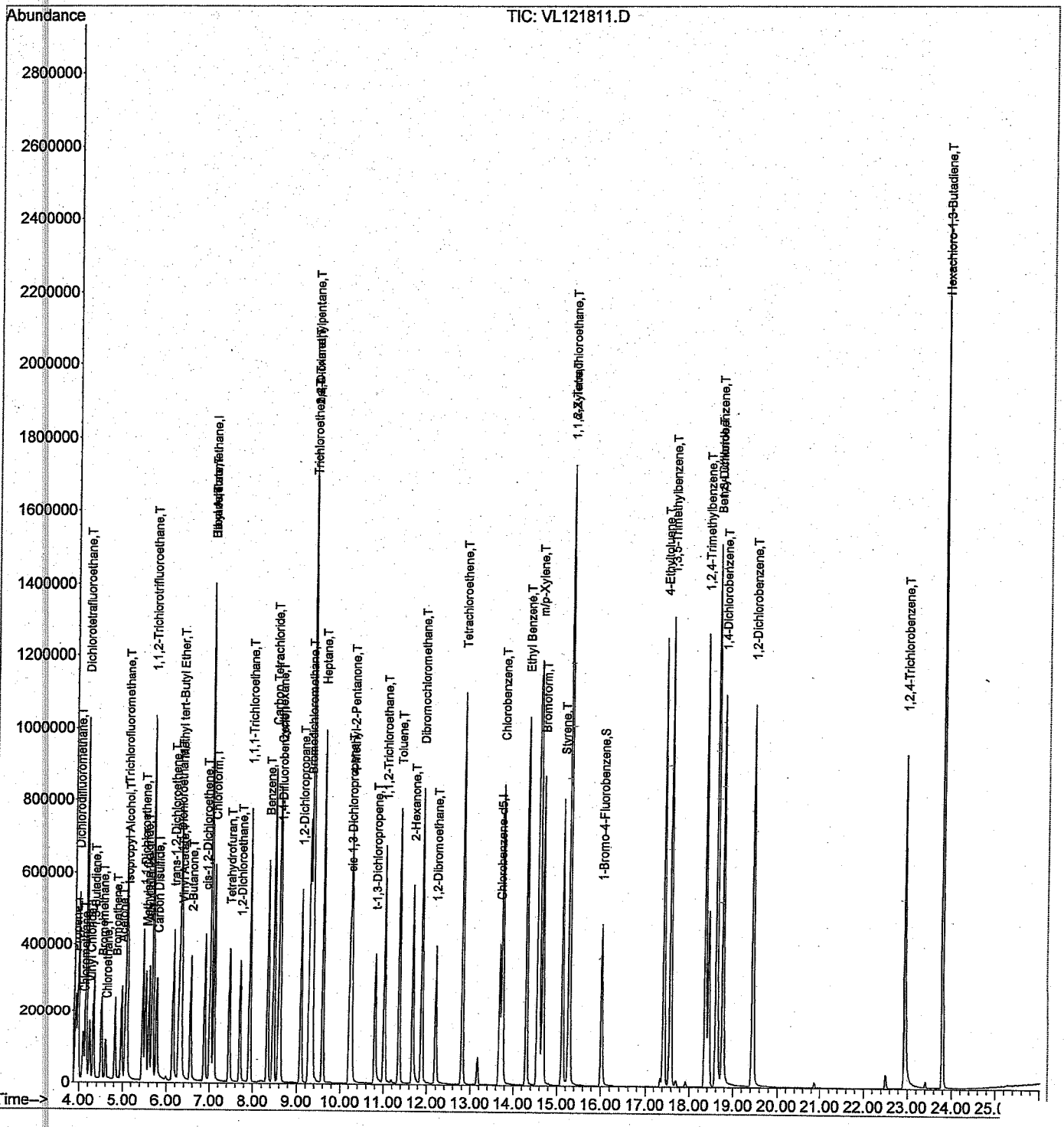
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Bromoform	14.67	173	594999	5.58	ppbv		99
46) 4-Methyl-2-Pentanone	10.25	43	656548	5.52	ppbv		88
47) 2-Hexanone	11.67	43	564810	6.07	ppbv	#	86
48) Tetrachloroethene	12.81	164	328909	4.48	ppbv	#	90
49) Toluene	11.35	91	730582	5.02	ppbv		98
50) 1,2-Dibromoethane	12.20	107	386846	5.06	ppbv		98
52) Chlorobenzene	13.74	112	640103	4.91	ppbv	#	87
53) Ethyl Benzene	14.29	91	1018077	5.38	ppbv		95
54) m/p-Xylene	14.57	91	1683774	10.88	ppbv		93
55) o-Xylene	15.29	91	935347	5.56	ppbv		92
56) Styrene	15.12	104	550982	6.53	ppbv	#	91
57) 1,1,2,2-Tetrachloroethane	15.27	83	668287	5.13	ppbv		99
58) Benzyl Chloride	18.60	91	626418	4.90	ppbv		94
60) 4-Ethyltoluene	17.42	105	1172547	5.05	ppbv		95
61) 1,3,5-Trimethylbenzene	17.57	105	1087554	6.04	ppbv		94
62) 1,2,4-Trimethylbenzene	18.35	105	1073732	6.38	ppbv		98
63) 1,3-Dichlorobenzene	18.61	146	755629	6.06	ppbv		95
64) 1,4-Dichlorobenzene	18.76	146	716380	6.23	ppbv		96
65) 1,2-Dichlorobenzene	19.44	146	697694	5.72	ppbv		95
66) Hexachloro-1,3-Butadiene	23.79	225	535177	5.00	ppbv		99
67) 1,2,4-Trichlorobenzene	22.94	180	437298	4.93	ppbv		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL121806\
Data File : VL121811.D
Acq On : 18 Dec 2006 19:13
Operator : LJC
Sample : 5.0ppb ICAL
Misc : ICAL, 80ml of std msva-176
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 19 10:17:35 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 09:05:30 2006
QLast Update : Tue Dec 19 09:05:30 2006
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL121806\
Data File : VL121812.D
Acq On : 18 Dec 2006 19:51
Operator : LJC
Sample : 10.0ppb ICAL
Misc : ICAL, 160ml of std msva-176
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 19 11:51:47 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 09:05:30 2006
QLast Update : Tue Dec 19 09:05:30 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	7.01	49	146968	2.50 ppbv	0.00
30) 1,4-Difluorobenzene	8.62	114	383823	2.50 ppbv	0.00
51) Chlorobenzene-d5	13.68	117	361480	2.50 ppbv	0.00
System Monitoring Compounds					
59) 1-Bromo-4-Fluorobenzene	16.02	95	285411	2.81 ppbv	0.00
Spiked Amount 2.500	Range 70 - 130		Recovery = 112.40%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.98	85	1214777	7.44 ppbv	99
3) Chloromethane	4.09	50	355072	7.20 ppbv	92
4) Vinyl Chloride	4.23	62	395588	7.36 ppbv	98
5) Bromomethane	4.50	94	356112	7.35 ppbv	100
6) Chloroethane	4.60	64	207952	7.83 ppbv	96
7) Dichlorotetrafluoroethane	4.15	85	1193498	7.35 ppbv #	80
8) Propene	3.93	41	331055	7.05 ppbv	96
9) Heptane	9.59	43	874559	9.43 ppbv	90
10) Trichlorofluoromethane	5.07	101	1238655	7.24 ppbv	98
11) 1,1,2-Trichlorotrifluoroet	5.68	101	814533	7.48 ppbv	84
12) Bromoethene	4.82	108	351210	7.82 ppbv #	97
13) Acetone	4.96	58	219146	9.69 ppbv	76
14) 1,3-Butadiene	4.32	39	331342	7.13 ppbv	91
15) 1,1-Dichloroethene	5.47	96	343325	7.26 ppbv #	70
16) Isopropyl Alcohol	5.09	45	952745	10.14 ppbv	99
17) Methylene Chloride	5.53	84	311393	7.58 ppbv #	80
18) Allyl Chloride	5.60	41	412908	8.02 ppbv #	93
19) trans-1,2-Dichloroethene	6.14	96	368392	7.98 ppbv #	79
20) Vinyl Acetate	6.34	43	1347652	11.34 ppbv #	91
21) 1,1-Dichloroethane	6.28	63	756230	7.67 ppbv	96
22) Ethyl Acetate	7.01	43	1631609	9.93 ppbv #	95
23) Hexane	7.01	57	678597	8.30 ppbv #	55
24) Carbon Disulfide	5.78	76	1030549	7.71 ppbv #	95
25) Methyl tert-Butyl Ether	6.31	73	1545782	11.13 ppbv	93
26) Chloroform	7.10	83	988008	7.88 ppbv	97
27) Cyclohexane	8.59	56	676548	7.00 ppbv #	82
28) cis-1,2-Dichloroethene	6.88	61	560689	8.27 ppbv #	81
29) 1,1,1-Trichloroethane	7.92	97	1034522	7.91 ppbv	96
31) 2-Butanone	6.54	43	1109787	10.61 ppbv #	84
32) Carbon Tetrachloride	8.47	117	1167234	7.50 ppbv	97
33) Benzene	8.33	78	1150983	7.92 ppbv #	95
34) 1,2-Dichloroethane	7.70	62	666648	8.29 ppbv #	92
35) Trichloroethene	9.32	130	565600	8.26 ppbv	81
36) 1,2-Dichloropropane	9.09	63	437321	8.36 ppbv #	91
37) 1,4-Dioxane	9.34	88	359061	11.22 ppbv	97
38) Tetrahydrofuran	7.45	72	231229	10.79 ppbv #	49
39) Bromodichloromethane	9.28	83	1195128	8.46 ppbv #	99
40) 2,2,4-Trimethylpentane	9.34	57	2394337	8.95 ppbv	96
41) t-1,3-Dichloropropene	10.80	75	711077	13.63 ppbv	98
42) cis-1,3-Dichloropropene	10.21	75	689473	10.45 ppbv #	85
43) 1,1,2-Trichloroethane	11.01	97	563937	9.55 ppbv	94
44) Dibromochloromethane	11.88	129	1249008	10.21 ppbv	100

Quantitation Report (Not Reviewed)

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL121806\
Data File : VL121812.D
Acq On : 18 Dec 2006 19:51
Operator : LJC
Sample : 10.0ppb ICAL
Misc : ICAL, 160ml of std msva-176
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 19 11:51:47 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 09:05:30 2006
QLast Update : Tue Dec 19 09:05:30 2006
Response via : Initial Calibration

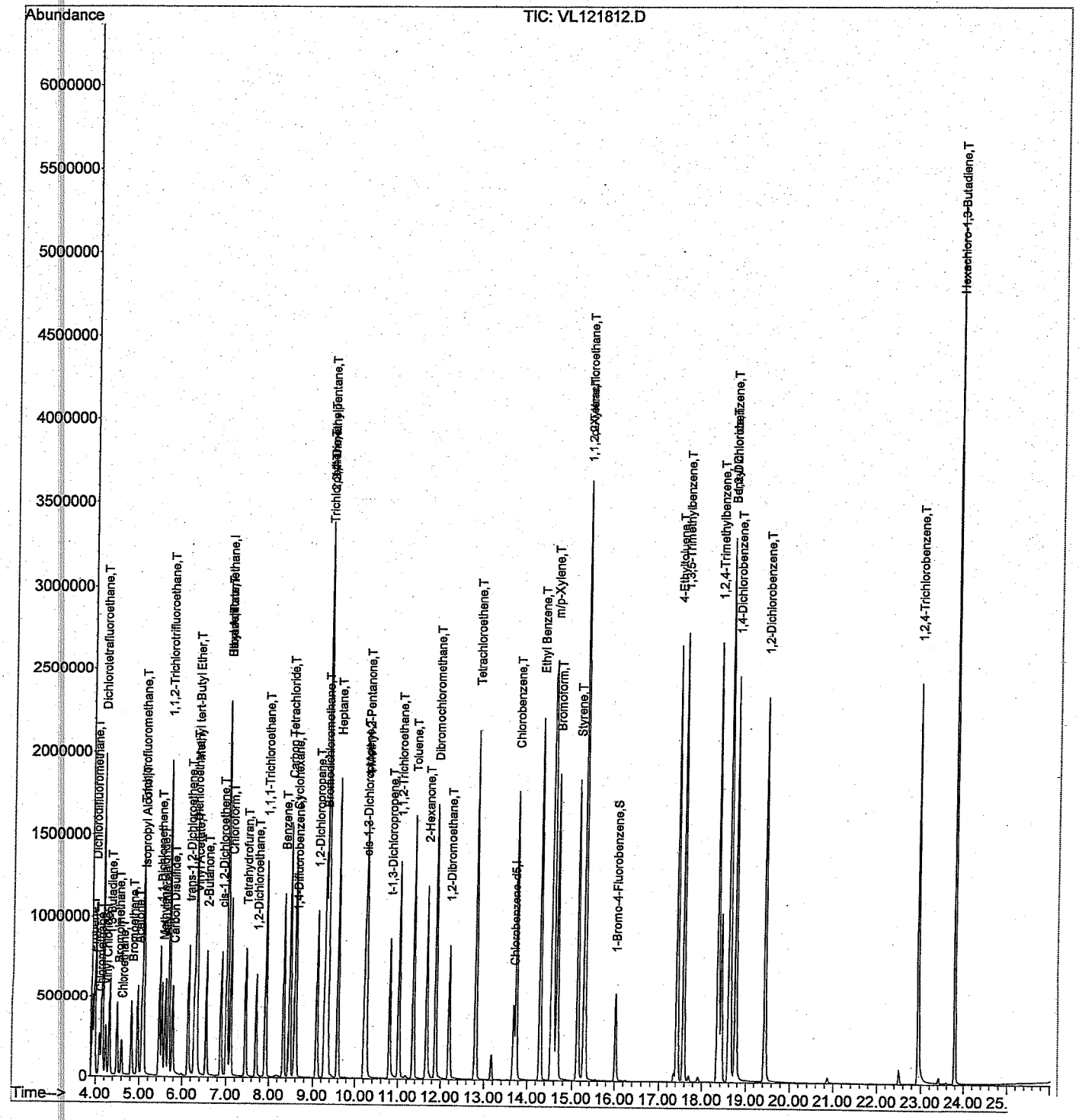
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Bromoform	14.67	173	1302834	12.11	ppbv		99
46) 4-Methyl-2-Pentanone	10.25	43	1347596	11.24	ppbv		90
47) 2-Hexanone	11.67	43	1197085	12.76	ppbv	#	88
48) Tetrachloroethene	12.81	164	643000	8.67	ppbv		90
49) Toluene	11.35	91	1498467	10.21	ppbv		100
50) 1,2-Dibromoethane	12.20	107	813510	10.54	ppbv		97
52) Chlorobenzene	13.74	112	1328664	8.95	ppbv	#	87
53) Ethyl Benzene	14.29	91	2257425	10.48	ppbv		94
54) m/p-Xylene	14.57	91	3700589	20.97	ppbv		93
55) o-Xylene	15.29	91	2016075	10.51	ppbv		94
56) Styrene	15.12	104	1302491	13.54	ppbv	#	92
57) 1,1,2,2-Tetrachloroethane	15.27	83	1390339	9.37	ppbv		99
58) Benzyl Chloride	18.60	91	1452218	9.63	ppbv		95
60) 4-Ethyltoluene	17.42	105	2567012	9.51	ppbv		96
61) 1,3,5-Trimethylbenzene	17.57	105	2341075	11.41	ppbv		94
62) 1,2,4-Trimethylbenzene	18.35	105	2323822	12.11	ppbv		96
63) 1,3-Dichlorobenzene	18.62	146	1653551	11.64	ppbv		96
64) 1,4-Dichlorobenzene	18.75	146	1609232	12.28	ppbv		97
65) 1,2-Dichlorobenzene	19.44	146	1534996	11.04	ppbv		96
66) Hexachloro-1,3-Butadiene	23.79	225	1170247	9.59	ppbv		99
67) 1,2,4-Trichlorobenzene	22.94	180	1045469	10.06	ppbv		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL121806\
Data File : VL121812.D
Acq On : 18 Dec 2006 19:51
Operator : LJC
Sample : 10.0ppb ICAL
Misc : ICAL, 160ml of std msva-176
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 19 11:51:47 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 09:05:30 2006
QLast Update : Tue Dec 19 09:05:30 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL121806\
Data File : VL121813.D
Acq On : 18 Dec 2006 20:28
Operator : LJC
Sample : 20.0ppb ICAL
Misc : ICAL, 320ml of std msva-176
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 19 09:36:53 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 08:32:27 2006
QLast Update : Tue Dec 19 08:32:27 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	7.01	49	191860	2.50	ppbv		0.00
30) 1,4-Difluorobenzene	8.62	114	509828	2.50	ppbv		0.00
51) Chlorobenzene-d5	13.68	117	434831	2.50	ppbv		0.00
System Monitoring Compounds							
59) 1-Bromo-4-Fluorobenzene	16.02	95	334954	2.67	ppbv		0.00
Spiked Amount 2.500	Range 70 - 130		Recovery = 106.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.98	85	4626197	23.57	ppbv		100
3) Chloromethane	4.09	50	1274368	19.68	ppbv		95
4) Vinyl Chloride	4.23	62	1451835	19.93	ppbv		99
5) Bromomethane	4.50	94	1292090	19.83	ppbv		99
6) Chloroethane	4.60	64	728966	19.69	ppbv		98
7) Dichlorotetrafluoroethane	4.15	85	4463711	21.43	ppbv		83
8) Propene	3.93	41	1211128	22.14	ppbv		95
9) Heptane	9.59	43	2575971	22.07	ppbv		90
10) Trichlorofluoromethane	5.07	101	4623237	23.19	ppbv		98
11) 1,1,2-Trichlorotrifluoroet	5.69	101	2924881	20.44	ppbv		85
12) Bromoethene	4.82	108	1285584	24.38	ppbv	#	97
13) Acetone	4.96	58	537604	19.15	ppbv		78
14) 1,3-Butadiene	4.32	39	1189417	22.22	ppbv		93
15) 1,1-Dichloroethene	5.47	96	1276499	19.05	ppbv	#	79
16) Isopropyl Alcohol	5.09	45	1947412	19.35	ppbv		98
17) Methylene Chloride	5.53	84	1034974	17.24	ppbv	#	80
18) Allyl Chloride	5.61	41	1484961	25.20	ppbv	#	94
19) trans-1,2-Dichloroethene	6.14	96	1279536	23.56	ppbv	#	83
20) Vinyl Acetate	6.34	43	3780449	27.07	ppbv	#	93
21) 1,1-Dichloroethane	6.28	63	2580375	20.53	ppbv		96
22) Ethyl Acetate	7.01	43	4226430	21.36	ppbv	#	95
23) Hexane	7.02	57	2239067	22.28	ppbv		83
24) Carbon Disulfide	5.78	76	3701933	21.43	ppbv	#	96
25) Methyl tert-Butyl Ether	6.31	73	3738542	22.93	ppbv		92
26) Chloroform	7.10	83	3097294	21.80	ppbv		98
27) Cyclohexane	8.59	56	2249991	18.50	ppbv		84
28) cis-1,2-Dichloroethene	6.88	61	1859649	22.66	ppbv	#	81
29) 1,1,1-Trichloroethane	7.93	97	3403673	24.29	ppbv		96
31) 2-Butanone	6.54	43	2622683	20.63	ppbv	#	84
32) Carbon Tetrachloride	8.47	117	3814095	22.32	ppbv		99
33) Benzene	8.34	78	3854264	19.62	ppbv	#	96
34) 1,2-Dichloroethane	7.71	62	2129800	23.70	ppbv	#	91
35) Trichloroethene	9.32	130	1841418	20.79	ppbv		84
36) 1,2-Dichloropropane	9.09	63	1386412	19.00	ppbv	#	88
37) 1,4-Dioxane	9.33	88	817286	19.12	ppbv		91
38) Tetrahydrofuran	7.45	72	586432	19.79	ppbv	#	57
39) Bromodichloromethane	9.28	83	3576600	23.60	ppbv		98
40) 2,2,4-Trimethylpentane	9.34	57	6948897	20.00	ppbv		97
41) t-1,3-Dichloropropene	10.80	75	2165362	29.83	ppbv		98
42) cis-1,3-Dichloropropene	10.21	75	2175530	23.10	ppbv	#	86
43) 1,1,2-Trichloroethane	11.02	97	1565234	19.10	ppbv		94
44) Dibromochloromethane	11.89	129	3562016	25.29	ppbv		100

Quantitation Report (QT Reviewed)

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL121806\
Data File : VL121813.D
Acq On : 18 Dec 2006 20:28
Operator : LJC
Sample : 20.0ppb ICAL
Misc : ICAL, 320ml of std msva-176
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 19 09:36:53 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 08:32:27 2006
QLast Update : Tue Dec 19 08:32:27 2006
Response via : Initial Calibration

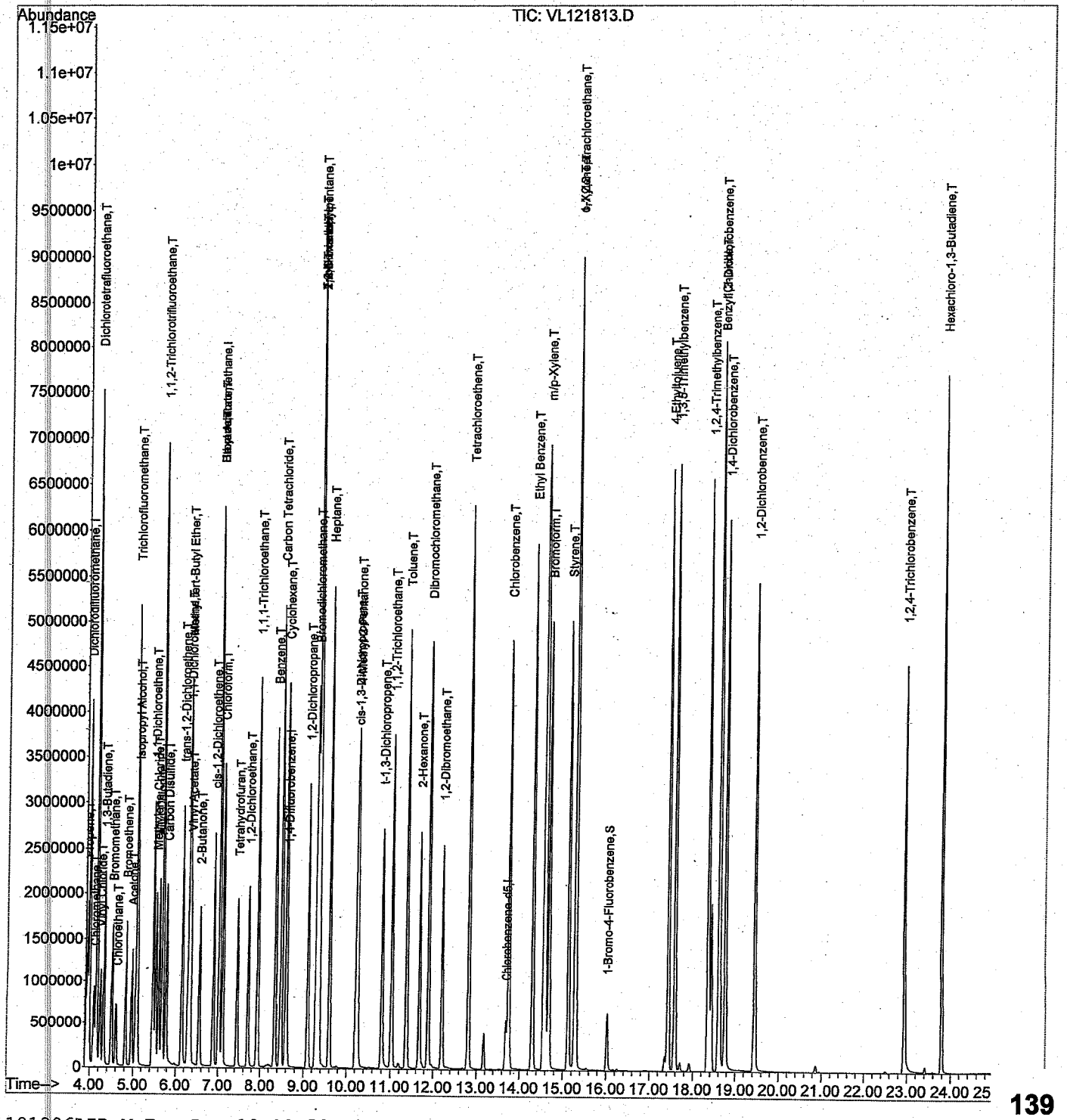
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Bromoform	14.67	173	3537798	28.81	ppbv		99
46) 4-Methyl-2-Pentanone	10.25	43	3001202	19.61	ppbv		91
47) 2-Hexanone	11.67	43	2688795	21.25	ppbv	#	90
48) Tetrachloroethene	12.81	164	1918536	19.22	ppbv		92
49) Toluene	11.36	91	4611841	20.64	ppbv		99
50) 1,2-Dibromoethane	12.20	107	2403275	23.43	ppbv		100
52) Chlorobenzene	13.74	112	3696848	20.59	ppbv	#	89
53) Ethyl Benzene	14.30	91	6142757	21.35	ppbv		97
54) m/p-Xylene	14.58	91	9935526	43.91	ppbv		94
55) o-Xylene	15.29	91	5317382	21.88	ppbv		95
56) Styrene	15.12	104	3618155	24.25	ppbv	#	93
57) 1,1,2,2-Tetrachloroethane	15.27	83	3330403	18.94	ppbv		99
58) Benzyl Chloride	18.60	91	3730753	30.46	ppbv		96
60) 4-Ethyltoluene	17.43	105	6639833	24.00	ppbv		97
61) 1,3,5-Trimethylbenzene	17.58	105	5826612	22.22	ppbv		95
62) 1,2,4-Trimethylbenzene	18.35	105	5816814	23.15	ppbv		98
63) 1,3-Dichlorobenzene	18.62	146	4068946	24.18	ppbv		96
64) 1,4-Dichlorobenzene	18.76	146	3974367	26.23	ppbv		97
65) 1,2-Dichlorobenzene	19.44	146	3640423	22.16	ppbv		96
66) Hexachloro-1,3-Butadiene	23.79	225	1756091	13.08	ppbv		99
67) 1,2,4-Trichlorobenzene	22.94	180	1957273	26.95	ppbv		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL121806\
Data File : VL121813.D
Acq On : 18 Dec 2006 20:28
Operator : LJC
Sample : 20.0ppb ICAL
Misc : ICAL, 320ml of std msva-176
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 19 09:36:53 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 08:32:27 2006
QLast Update : Tue Dec 19 08:32:27 2006
Response via : Initial Calibration

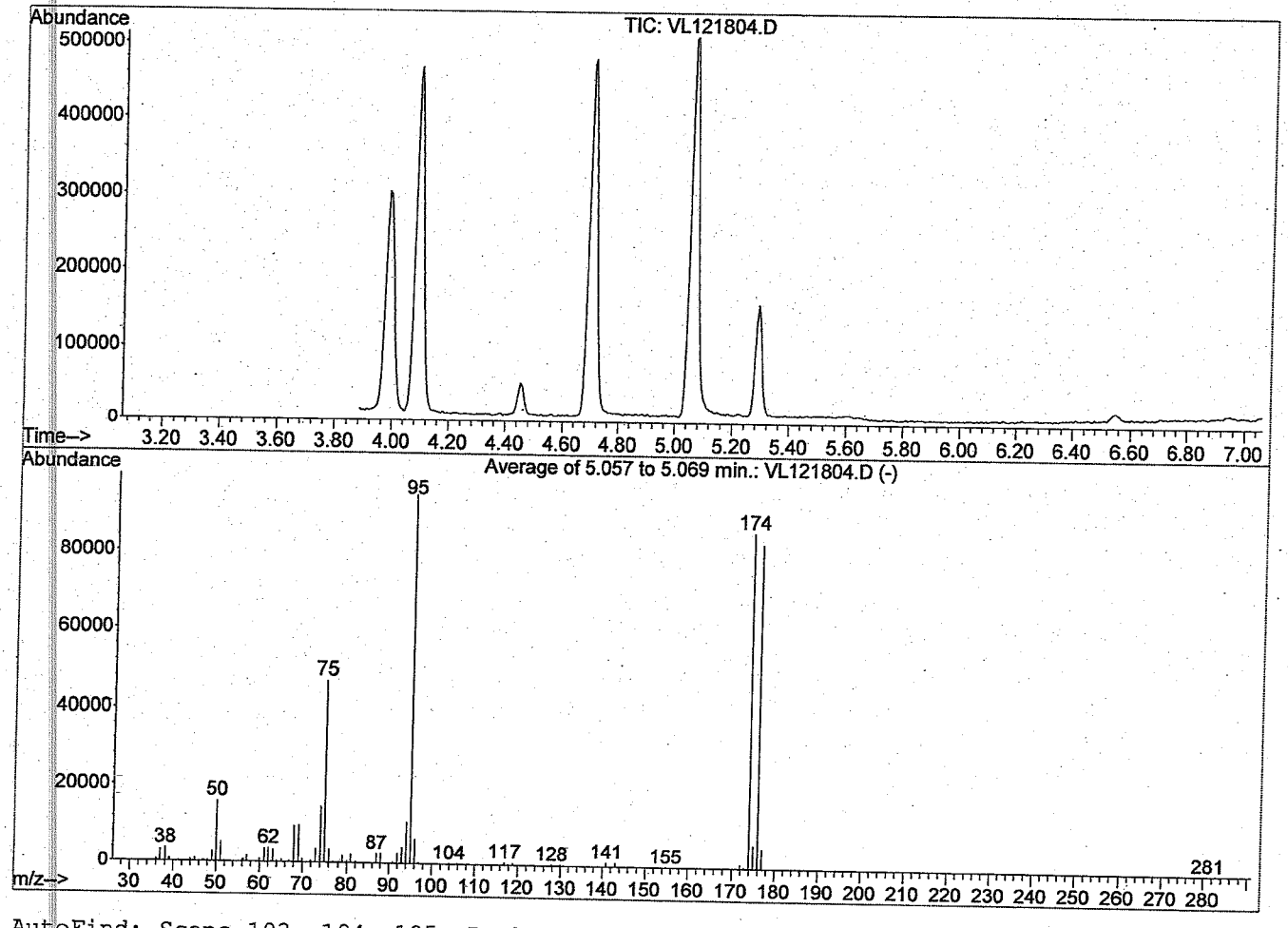


VOLATILES RAW QC DATA

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL121806\
Data File : VL121804.D
Acq On : 18 Dec 2006 13:09
Operator : LJC
Sample : BFB
Misc : Tune Check, 50ml of std msva-182
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 09:05:30 2006
Last Update : Tue Dec 19 09:05:30 2006



AutoFind: Scans 193, 194, 195; Background Corrected with Scan 184

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	16.8	15916	PASS
75	95	30	66	49.7	47120	PASS
95	95	100	100	100.0	94752	PASS
96	95	5	9	7.1	6724	PASS
173	174	0.00	2	0.5	393	PASS
174	95	50	120	90.9	86160	PASS
175	174	4	9	7.4	6399	PASS
176	174	93	101	96.5	83152	PASS
177	176	5	9	6.5	5431	PASS

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	
Project:	**soil Gas- 714 Broadway**	**Date Received:**	
Client Sample ID:	**VBL1218A1**	**SDG No.:**	**X5778**
Lab Sample ID:	**VBL1218A1**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121814.D	1	12/18/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
TARGETS					
75-71-8	Dichlorodifluoromethane	0.49	U	0.49	0.15
74-87-3	Chloromethane	0.2	U	0.2	0.06
75-01-4	Vinyl Chloride	0.26	U	0.26	0.08
74-83-9	Bromomethane	0.39	U	0.39	0.09
75-00-3	Chloroethane	0.27	U	0.27	0.06
75-69-4	Trichlorofluoromethane	0.56	U	0.56	0.23
67-63-0	Isopropyl Alcohol	0.49	U	0.49	0.34
76-14-2	Dichlorotetrafluoethane	0.7	U	0.7	0.2
76-13-1	1,1,2-Trichlorotrifluoroethane	0.76	U	0.76	0.18
593-60-2	Bromoethene	0.44	U	0.44	0.18
115-07-1	Propene	0.86	U	0.86	0.08
142-82-5	Heptane	0.41	U	0.41	0.11
75-35-4	1,1-Dichloroethene	0.4	U	0.4	0.13
141-78-6	Ethyl Acetate	0.36	U	0.36	0.08
67-64-1	Acetone	0.47	U	0.47	0.31
75-15-0	Carbon disulfide	0.31	U	0.31	0.07
1634-04-4	Methyl tert-butyl Ether	0.36	U	0.36	0.15
75-09-2	Methylene Chloride	0.7	U	0.7	0.16
107-05-1	Allyl Chloride	0.31	U	0.31	0.08
156-60-5	trans-1,2-Dichloroethene	0.4	U	0.4	0.15
108-05-4	Vinyl Acetate	0.35	U	0.35	0.09
75-34-3	1,1-Dichloroethane	0.4	U	0.4	0.12
110-82-7	Cyclohexane	0.34	U	0.34	0.23
78-93-3	2-Butanone	0.59	U	0.59	0.21
56-23-5	Carbon Tetrachloride	0.63	U	0.63	0.38
156-59-2	cis-1,2-Dichloroethene	0.4	U	0.4	0.17
67-66-3	Chloroform	0.49	U	0.49	0.11
123-91-1	1,4-Dioxane	0.72	U	0.72	0.19
71-55-6	1,1,1-Trichloroethane	0.54	U	0.54	0.15
109-99-9	Tetrahydrofuran	0.59	U	0.59	0.18
540-84-1	2,2,4-Trimethylpentane	0.47	U	0.47	0.12

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

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Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	
Project:	**soil Gas- 714 Broadway**	**Date Received:**	
Client Sample ID:	**VBL1218A1**	**SDG No.:**	**X5778**
Lab Sample ID:	**VBL1218A1**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121814.D	1	12/18/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
71-43-2	Benzene	0.32	U	0.32	0.1
107-06-2	1,2-Dichloroethane	0.4	U	0.4	0.26
79-01-6	Trichloroethene	0.54	U	0.54	0.21
78-87-5	1,2-Dichloropropane	0.46	U	0.46	0.25
75-27-4	Bromodichloromethane	0.67	U	0.67	0.23
108-10-1	4-Methyl-2-Pentanone	0.82	U	0.82	0.25
108-88-3	Toluene	0.38	U	0.38	0.2
10061-02-6	t-1,3-Dichloropropene	0.45	U	0.45	0.21
10061-01-5	cis-1,3-Dichloropropene	0.45	U	0.45	0.11
79-00-5	1,1,2-Trichloroethane	0.54	U	0.54	0.23
591-78-6	2-Hexanone	0.82	U	0.82	0.16
124-48-1	Dibromochloromethane	0.85	U	0.85	0.35
106-93-4	1,2-Dibromoethane	0.77	U	0.77	0.32
127-18-4	Tetrachloroethene	0.68	U	0.68	0.27
108-90-7	Chlorobenzene	0.46	U	0.46	0.22
100-41-4	Ethyl Benzene	0.43	U	0.43	0.15
126777-61-2	m/p-Xylene	0.87	U	0.87	0.36
95-47-6	o-Xylene	0.43	U	0.43	0.22
100-42-5	Styrene	0.43	U	0.43	0.17
75-25-2	Bromoform	1.03	U	1.03	0.36
79-34-5	1,1,2,2-Tetrachloroethane	0.69	U	0.69	0.32
108-67-8	1,3,5-Trimethylbenzene	0.49	U	0.49	0.27
95-63-6	1,2,4-Trimethylbenzene	0.49	U	0.49	0.24
622-96-8	4-Ethyltoluene	0.49	U	0.49	0.18
541-73-1	1,3-Dichlorobenzene	0.6	U	0.6	0.39
106-46-7	1,4-Dichlorobenzene	0.6	U	0.6	0.32
95-50-1	1,2-Dichlorobenzene	0.6	U	0.6	0.29
120-82-1	1,2,4-Trichlorobenzene	0.74	U	0.74	0.38
87-68-3	Hexachloro-1,3-butadiene	1.28		1.07	0.7
106-99-0	1,3-Butadiene	0.22	U	0.22	0.15
110-54-3	Hexane	0.7	U	0.7	0.08
100-44-7	Benzyl Chloride	0.58	U	0.58	0.2

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Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	
Project:	**soil Gas- 714 Broadway**	**Date Received:**	
Client Sample ID:	**VBL1218A1**	**SDG No.:**	**X5778**
Lab Sample ID:	**VBL1218A1**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121814.D	1	12/18/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
SURROGATES					
460-00-4	1-Bromo-4-Fluorobenzene	1.97	79 %	65 - 135	
INTERNAL STANDARDS					
74-97-5	Bromochloromethane	158208	7.01		
540-36-3	1,4-Difluorobenzene	336700	8.62		
3114-55-4	Chlorobenzene-d5	263440	13.69		

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Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	
Project:	**soil Gas- 714 Broadway**	**Date Received:**	
Client Sample ID:	**VBL1218A1**	**SDG No.:**	**X5778**
Lab Sample ID:	**VBL1218A1**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121814.D	1	12/18/2006	121806

CAS Number	Parameter	Conc. ppbv	Qualifier	RL ppbv	MDL ppbv
TARGETS					
75-71-8	Dichlorodifluoromethane	0.1	U	0.1	0.031
74-87-3	Chloromethane	0.1	U	0.1	0.031
75-01-4	Vinyl Chloride	0.1	U	0.1	0.031
74-83-9	Bromomethane	0.1	U	0.1	0.022
75-00-3	Chloroethane	0.1	U	0.1	0.024
75-69-4	Trichlorofluoromethane	0.1	U	0.1	0.041
67-63-0	Isopropyl Alcohol	0.2	U	0.2	0.140
76-14-2	Dichlorotetrafluoethane	0.1	U	0.1	0.028
76-13-1	1,1,2-Trichlorotrifluoroethane	0.1	U	0.1	0.024
593-60-2	Bromoethene	0.1	U	0.1	0.042
115-07-1	Propene	0.5	U	0.5	0.047
142-82-5	Heptane	0.1	U	0.1	0.028
75-35-4	1,1-Dichloroethene	0.1	U	0.1	0.034
141-78-6	Ethyl Acetate	0.1	U	0.1	0.022
67-64-1	Acetone	0.2	U	0.2	0.130
75-15-0	Carbon disulfide	0.1	U	0.1	0.022
1634-04-4	Methyl tert-butyl Ether	0.1	U	0.1	0.043
75-09-2	Methylene Chloride	0.2	U	0.2	0.047
107-05-1	Allyl Chloride	0.1	U	0.1	0.025
156-60-5	trans-1,2-Dichloroethene	0.1	U	0.1	0.038
108-05-4	Vinyl Acetate	0.1	U	0.1	0.025
75-34-3	1,1-Dichloroethane	0.1	U	0.1	0.030
110-82-7	Cyclohexane	0.1	U	0.1	0.070
78-93-3	2-Butanone	0.2	U	0.2	0.070
56-23-5	Carbon Tetrachloride	0.1	U	0.1	0.061
156-59-2	cis-1,2-Dichloroethene	0.1	U	0.1	0.043
67-66-3	Chloroform	0.1	U	0.1	0.022
123-91-1	1,4-Dioxane	0.2	U	0.2	0.054
71-55-6	1,1,1-Trichloroethane	0.1	U	0.1	0.028
109-99-9	Tetrahydrofuran	0.2	U	0.2	0.060
540-84-1	2,2,4-Trimethylpentane	0.1	U	0.1	0.026

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Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	
Project:	**soil Gas- 714 Broadway**	**Date Received:**	
Client Sample ID:	**VBL1218A1**	**SDG No.:**	**X5778**
Lab Sample ID:	**VBL1218A1**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121814.D	1	12/18/2006	121806

CAS Number	Parameter	Conc. ppbv	Qualifier	RL ppbv	MDL ppbv
71-43-2	Benzene	0.1	U	0.1	0.031
107-06-2	1,2-Dichloroethane	0.1	U	0.1	0.065
79-01-6	Trichloroethene	0.1	U	0.1	0.040
78-87-5	1,2-Dichloropropane	0.1	U	0.1	0.054
75-27-4	Bromodichloromethane	0.1	U	0.1	0.035
108-10-1	4-Methyl-2-Pentanone	0.2	U	0.2	0.060
108-88-3	Toluene	0.1	U	0.1	0.054
10061-02-6	t-1,3-Dichloropropene	0.1	U	0.1	0.047
10061-01-5	cis-1,3-Dichloropropene	0.1	U	0.1	0.024
79-00-5	1,1,2-Trichloroethane	0.1	U	0.1	0.043
591-78-6	2-Hexanone	0.2	U	0.2	0.040
124-48-1	Dibromochloromethane	0.1	U	0.1	0.041
106-93-4	1,2-Dibromoethane	0.1	U	0.1	0.041
127-18-4	Tetrachloroethene	0.1	U	0.1	0.040
108-90-7	Chlorobenzene	0.1	U	0.1	0.047
100-41-4	Ethyl Benzene	0.1	U	0.1	0.034
126777-61-2	m/p-Xylene	0.2	U	0.2	0.084
95-47-6	o-Xylene	0.1	U	0.1	0.050
100-42-5	Styrene	0.1	U	0.1	0.040
75-25-2	Bromoform	0.1	U	0.1	0.035
79-34-5	1,1,2,2-Tetrachloroethane	0.1	U	0.1	0.047
108-67-8	1,3,5-Trimethylbenzene	0.1	U	0.1	0.054
95-63-6	1,2,4-Trimethylbenzene	0.1	U	0.1	0.048
622-96-8	4-Ethyltoluene	0.1	U	0.1	0.036
541-73-1	1,3-Dichlorobenzene	0.1	U	0.1	0.065
106-46-7	1,4-Dichlorobenzene	0.1	U	0.1	0.054
95-50-1	1,2-Dichlorobenzene	0.1	U	0.1	0.049
120-82-1	1,2,4-Trichlorobenzene	0.1	U	0.1	0.051
87-68-3	Hexachloro-1,3-butadiene	0.1		0.1	0.066
106-99-0	1,3-Butadiene	0.1	U	0.1	0.069
110-54-3	Hexane	0.2	U	0.2	0.024
100-44-7	Benzyl Chloride	0.1	U	0.1	0.035

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	
Project:	**soil Gas- 714 Broadway**	**Date Received:**	
Client Sample ID:	**VBL1218A1**	**SDG No.:**	**X5778**
Lab Sample ID:	**VBL1218A1**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121814.D	1	12/18/2006	121806

CAS Number	Parameter	Conc. ppbv	Qualifier	RL ppbv	MDL ppbv
SURROGATES					
460-00-4	1-Bromo-4-Fluorobenzene	1.97	79 %	65 - 135	
INTERNAL STANDARDS					
74-97-5	Bromochloromethane	158208	7.01		
540-36-3	1,4-Difluorobenzene	336700	8.62		
3114-55-4	Chlorobenzene-d5	263440	13.69		

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

Quantitation Report (QT Reviewed)

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL121806\
Data File : VL121814.D
Acq On : 18 Dec 2006 21:06
Operator : LJC
Sample : VBL1218A1
Misc : Blank, 400ml
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 19 10:01:08 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 08:56:36 2006
QLast Update : Tue Dec 19 08:56:36 2006
Response via : Initial Calibration

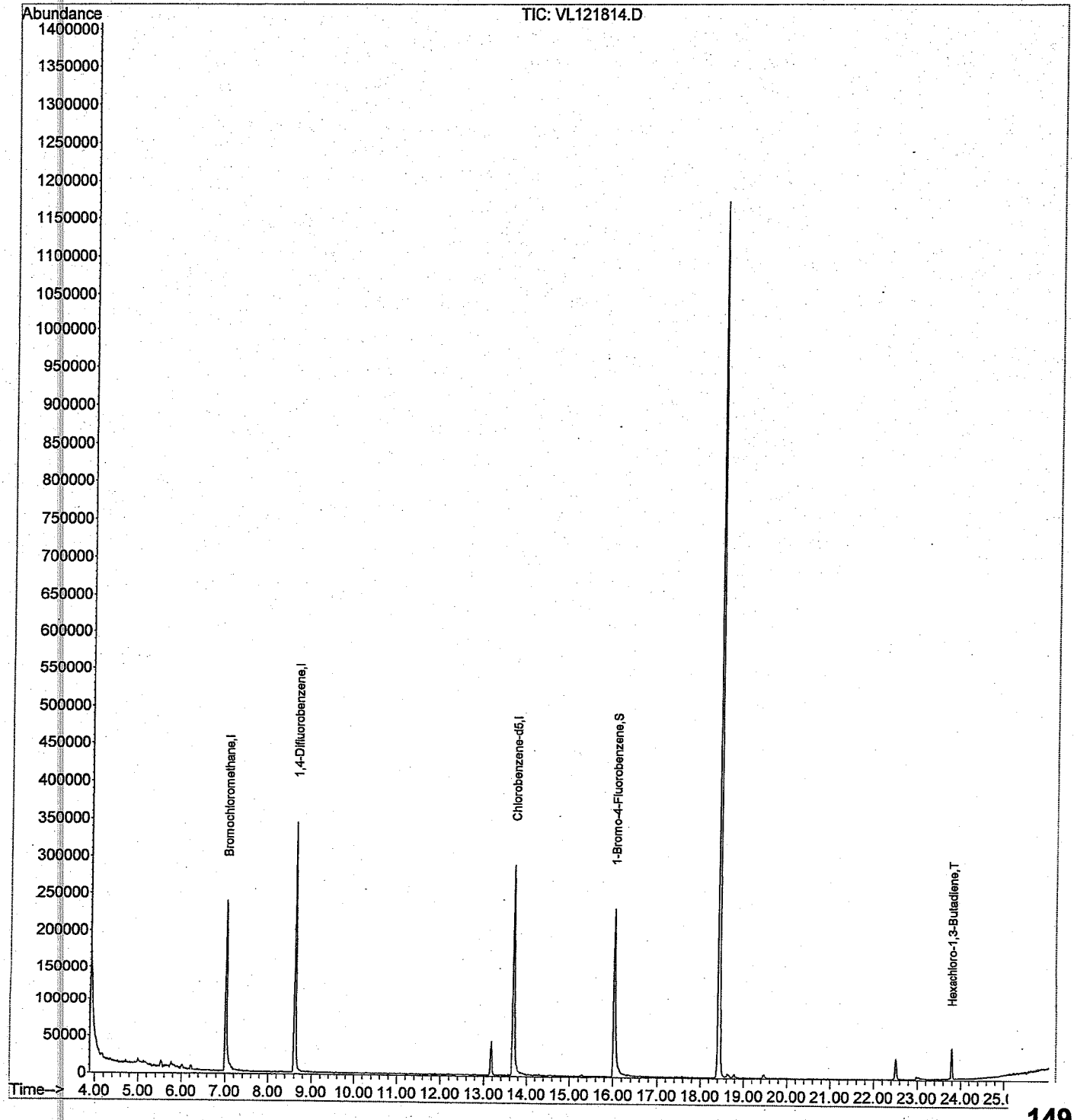
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.01	49	158208	2.50	ppbv	0.00
30) 1,4-Difluorobenzene	8.62	114	336700	2.50	ppbv	0.00
51) Chlorobenzene-d5	13.69	117	263440	2.50	ppbv	0.00
System Monitoring Compounds						
59) 1-Bromo-4-Fluorobenzene	16.02	95	146115	1.97	ppbv	0.00
Spiked Amount 2.500	Range 70 - 130		Recovery = 78.80%			
Target Compounds						Qvalue
66) Hexachloro-1,3-Butadiene	23.79	225	10818	0.12	ppbv	92

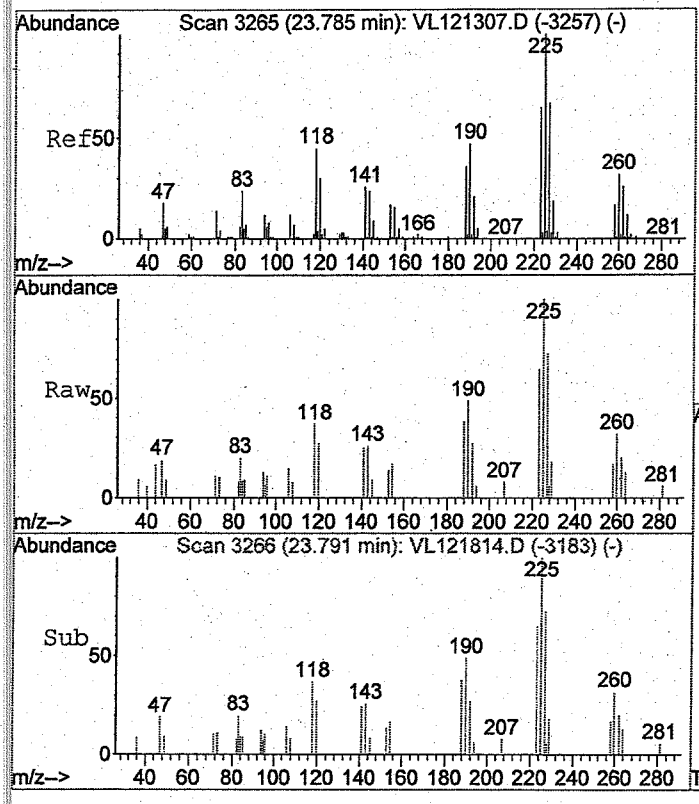
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL121806\
Data File : VL121814.D
Acq On : 18 Dec 2006 21:06
Operator : LJC
Sample : VBL1218A1
Misc : Blank, 400ml
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 19 10:01:08 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 08:56:36 2006
QLast Update : Tue Dec 19 08:56:36 2006
Response via : Initial Calibration

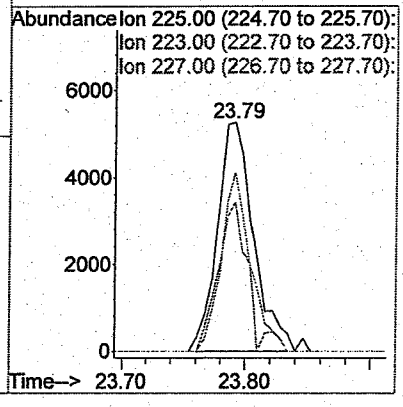




#66
Hexachloro-1,3-Butadiene
Concen: 0.12 ppbv
RT: 23.79 min Scan# 3266
Delta R.T. 0.01 min
Lab File: VL121814.D
Acq: 18 Dec 2006 21:06

Tgt Ion:225 Resp: 10818

Ion	Ratio	Lower	Upper
225	100		
223	50.9	49.0	73.6
227	62.9	51.8	77.6



CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	
Project:	**soil Gas- 714 Broadway**	**Date Received:**	
Client Sample ID:	**BSL1218A1**	**SDG No.:**	**X5778**
Lab Sample ID:	**BSL1218A1**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121817.D	1	12/18/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
TARGETS					
75-71-8	Dichlorodifluoromethane	33.9		0.49	0.15
74-87-3	Chloromethane	12.6		0.2	0.06
75-01-4	Vinyl Chloride	16.1		0.26	0.08
74-83-9	Bromomethane	23.7		0.39	0.09
75-00-3	Chloroethane	16.1		0.27	0.06
75-69-4	Trichlorofluoromethane	35.3		0.56	0.23
67-63-0	Isopropyl Alcohol	9.1		0.49	0.34
76-14-2	Dichlorotetrafluoethane	44.1		0.7	0.2
76-13-1	1,1,2-Trichlorotrifluoroethane	44.7		0.76	0.18
593-60-2	Bromoethene	25.3		0.44	0.18
115-07-1	Propene	9.89		0.86	0.08
142-82-5	Heptane	21.9		0.41	0.11
75-35-4	1,1-Dichloroethene	23.4		0.4	0.13
141-78-6	Ethyl Acetate	17.5		0.36	0.08
67-64-1	Acetone	9.7		0.47	0.31
75-15-0	Carbon disulfide	18		0.31	0.07
1634-04-4	Methyl tert-butyl Ether	16.6		0.36	0.15
75-09-2	Methylene Chloride	18.9		0.7	0.16
107-05-1	Allyl Chloride	17.9		0.31	0.08
156-60-5	trans-1,2-Dichloroethene	21.1		0.4	0.15
108-05-4	Vinyl Acetate	19.4		0.35	0.09
75-34-3	1,1-Dichloroethane	22.5		0.4	0.12
110-82-7	Cyclohexane	16.2		0.34	0.23
78-93-3	2-Butanone	13.7		0.59	0.21
56-23-5	Carbon Tetrachloride	38.3		0.63	0.38
156-59-2	cis-1,2-Dichloroethene	21.9		0.4	0.17
67-66-3	Chloroform	25.3		0.49	0.11
123-91-1	1,4-Dioxane	15.5		0.72	0.19
71-55-6	1,1,1-Trichloroethane	29.9		0.54	0.15
109-99-9	Tetrahydrofuran	14.4		0.59	0.18
540-84-1	2,2,4-Trimethylpentane	26.4		0.47	0.12

U = Not Detected
RL = Reporting Limit
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B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

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Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	
Project:	**soil Gas- 714 Broadway**	**Date Received:**	
Client Sample ID:	**BSL1218A1**	**SDG No.:**	**X5778**
Lab Sample ID:	**BSL1218A1**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121817.D	1	12/18/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
71-43-2	Benzene	18.2		0.32	0.1
107-06-2	1,2-Dichloroethane	23		0.4	0.26
79-01-6	Trichloroethene	31.5		0.54	0.21
78-87-5	1,2-Dichloropropane	25.1		0.46	0.25
75-27-4	Bromodichloromethane	35.3		0.67	0.23
108-10-1	4-Methyl-2-Pentanone	19		0.82	0.25
108-88-3	Toluene	21.9		0.38	0.2
10061-02-6	t-1,3-Dichloropropene	32.1		0.45	0.21
10061-01-5	cis-1,3-Dichloropropene	27.5		0.45	0.11
79-00-5	1,1,2-Trichloroethane	28.9		0.54	0.23
591-78-6	2-Hexanone	19.4		0.82	0.16
124-48-1	Dibromochloromethane	45.1		0.85	0.35
106-93-4	1,2-Dibromoethane	44.5		0.77	0.32
127-18-4	Tetrachloroethene	37.1		0.68	0.27
108-90-7	Chlorobenzene	24.9		0.46	0.22
100-41-4	Ethyl Benzene	26.3		0.43	0.15
126777-61-2	m/p-Xylene	53.8		0.87	0.36
95-47-6	o-Xylene	26.9		0.43	0.22
100-42-5	Styrene	31.3		0.43	0.17
75-25-2	Bromoform	54.4		1.03	0.36
79-34-5	1,1,2,2-Tetrachloroethane	37.7		0.69	0.32
108-67-8	1,3,5-Trimethylbenzene	31.1		0.49	0.27
95-63-6	1,2,4-Trimethylbenzene	32.3		0.49	0.24
622-96-8	4-Ethyltoluene	25.8		0.49	0.18
541-73-1	1,3-Dichlorobenzene	35.8		0.6	0.39
106-46-7	1,4-Dichlorobenzene	36.4		0.6	0.32
95-50-1	1,2-Dichlorobenzene	33.5		0.6	0.29
120-82-1	1,2,4-Trichlorobenzene	25.8		0.74	0.38
87-68-3	Hexachloro-1,3-butadiene	34.8		1.07	0.7
106-99-0	1,3-Butadiene	11.5		0.22	0.15
110-54-3	Hexane	19.6		0.7	0.08
100-44-7	Benzyl Chloride	37.9		0.58	0.2

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Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	
Project:	**soil Gas- 714 Broadway**	**Date Received:**	
Client Sample ID:	**BSL1218A1**	**SDG No.:**	**X5778**
Lab Sample ID:	**BSL1218A1**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121817.D	1	12/18/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
SURROGATES					
460-00-4	1-Bromo-4-Fluorobenzene	2.7	108 %	65 - 135	
INTERNAL STANDARDS					
74-97-5	Bromochloromethane	167153	7.01		
540-36-3	1,4-Difluorobenzene	384917	8.62		
3114-55-4	Chlorobenzene-d5	309604	13.68		

U = Not Detected
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Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	
Project:	**soil Gas- 714 Broadway**	**Date Received:**	
Client Sample ID:	**BSL1218A1**	**SDG No.:**	**X5778**
Lab Sample ID:	**BSL1218A1**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121817.D	1	12/18/2006	121806

CAS Number	Parameter	Conc. ppbv	Qualifier	RL ppbv	MDL ppbv
TARGETS					
75-71-8	Dichlorodifluoromethane	6.8		0.1	0.031
74-87-3	Chloromethane	6.2		0.1	0.031
75-01-4	Vinyl Chloride	6.3		0.1	0.031
74-83-9	Bromomethane	6.1		0.1	0.022
75-00-3	Chloroethane	6.0		0.1	0.024
75-69-4	Trichlorofluoromethane	6.3		0.1	0.041
67-63-0	Isopropyl Alcohol	3.7		0.2	0.140
76-14-2	Dichlorotetrafluoethane	6.3		0.1	0.028
76-13-1	1,1,2-Trichlorotrifluoroethane	5.8		0.1	0.024
593-60-2	Bromoethene	5.8		0.1	0.042
115-07-1	Propene	5.8		0.5	0.047
142-82-5	Heptane	5.4		0.1	0.028
75-35-4	1,1-Dichloroethene	5.9		0.1	0.034
141-78-6	Ethyl Acetate	4.9		0.1	0.022
67-64-1	Acetone	4.1		0.2	0.130
75-15-0	Carbon disulfide	5.8		0.1	0.022
1634-04-4	Methyl tert-butyl Ether	4.6		0.1	0.043
75-09-2	Methylene Chloride	5.4		0.2	0.047
107-05-1	Allyl Chloride	5.7		0.1	0.025
156-60-5	trans-1,2-Dichloroethene	5.3		0.1	0.038
108-05-4	Vinyl Acetate	5.5		0.1	0.025
75-34-3	1,1-Dichloroethane	5.6		0.1	0.030
110-82-7	Cyclohexane	4.8		0.1	0.070
78-93-3	2-Butanone	4.6		0.2	0.070
56-23-5	Carbon Tetrachloride	6.1		0.1	0.061
156-59-2	cis-1,2-Dichloroethene	5.5		0.1	0.043
67-66-3	Chloroform	5.2		0.1	0.022
123-91-1	1,4-Dioxane	4.3		0.2	0.054
71-55-6	1,1,1-Trichloroethane	5.5		0.1	0.028
109-99-9	Tetrahydrofuran	4.9		0.2	0.060
540-84-1	2,2,4-Trimethylpentane	5.7		0.1	0.026

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Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	
Project:	**soil Gas- 714 Broadway**	**Date Received:**	
Client Sample ID:	**BSL1218A1**	**SDG No.:**	**X5778**
Lab Sample ID:	**BSL1218A1**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121817.D	1	12/18/2006	121806

CAS Number	Parameter	Conc. ppbv	Qualifier	RL ppbv	MDL ppbv
71-43-2	Benzene	5.7		0.1	0.031
107-06-2	1,2-Dichloroethane	5.7		0.1	0.065
79-01-6	Trichloroethene	5.9		0.1	0.040
78-87-5	1,2-Dichloropropane	5.4		0.1	0.054
75-27-4	Bromodichloromethane	5.3		0.1	0.035
108-10-1	4-Methyl-2-Pentanone	4.6		0.2	0.060
108-88-3	Toluene	5.8		0.1	0.054
10061-02-6	t-1,3-Dichloropropene	7.1		0.1	0.047
10061-01-5	cis-1,3-Dichloropropene	6.0		0.1	0.024
79-00-5	1,1,2-Trichloroethane	5.3		0.1	0.043
591-78-6	2-Hexanone	4.7		0.2	0.040
124-48-1	Dibromochloromethane	5.3		0.1	0.041
106-93-4	1,2-Dibromoethane	5.8		0.1	0.041
127-18-4	Tetrachloroethene	5.5		0.1	0.040
108-90-7	Chlorobenzene	5.4		0.1	0.047
100-41-4	Ethyl Benzene	6.1		0.1	0.034
126777-61-2	m/p-Xylene	12		0.2	0.084
95-47-6	o-Xylene	6.2		0.1	0.050
100-42-5	Styrene	7.4		0.1	0.040
75-25-2	Bromoform	5.3		0.1	0.035
79-34-5	1,1,2,2-Tetrachloroethane	5.5		0.1	0.047
108-67-8	1,3,5-Trimethylbenzene	6.3		0.1	0.054
95-63-6	1,2,4-Trimethylbenzene	6.6		0.1	0.048
622-96-8	4-Ethyltoluene	5.3		0.1	0.036
541-73-1	1,3-Dichlorobenzene	6.0		0.1	0.065
106-46-7	1,4-Dichlorobenzene	6.0		0.1	0.054
95-50-1	1,2-Dichlorobenzene	5.6		0.1	0.049
120-82-1	1,2,4-Trichlorobenzene	3.5		0.1	0.051
87-68-3	Hexachloro-1,3-butadiene	3.3		0.1	0.066
106-99-0	1,3-Butadiene	5.2		0.1	0.069
110-54-3	Hexane	5.6		0.2	0.024
100-44-7	Benzyl Chloride	6.6		0.1	0.035

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Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	
Project:	**soil Gas- 714 Broadway**	**Date Received:**	
Client Sample ID:	**BSL1218A1**	**SDG No.:**	**X5778**
Lab Sample ID:	**BSL1218A1**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121817.D	1	12/18/2006	121806

CAS Number	Parameter	Conc. ppbv	Qualifier	RL ppbv	MDL ppbv
SURROGATES					
460-00-4	1-Bromo-4-Fluorobenzene	2.7	108 %	65 - 135	
INTERNAL STANDARDS					
74-97-5	Bromochloromethane	167153	7.01		
540-36-3	1,4-Difluorobenzene	384917	8.62		
3114-55-4	Chlorobenzene-d5	309604	13.68		

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Quantitation Report (QT Reviewed)

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL121806\
Data File : VL121817.D
Acq On : 18 Dec 2006 23:00
Operator : LJC
Sample : BSL1218A1
Misc : LCS, 80ml of std msva-183
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 19 10:07:39 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 09:05:30 2006
QLast Update : Tue Dec 19 09:05:30 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	7.01	49	167153	2.50	ppbv		0.00
30) 1,4-Difluorobenzene	8.62	114	384917	2.50	ppbv		0.00
51) Chlorobenzene-d5	13.68	117	309604	2.50	ppbv		0.00
System Monitoring Compounds							
59) 1-Bromo-4-Fluorobenzene	16.02	95	235264	2.70	ppbv		0.00
Spiked Amount 2.500	Range 70 - 130		Recovery = 108.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.98	85	1271963	6.85	ppbv		99
3) Chloromethane	4.09	50	345112	6.15	ppbv		95
4) Vinyl Chloride	4.23	62	386288	6.31	ppbv		98
5) Bromomethane	4.50	94	336020	6.10	ppbv		99
6) Chloroethane	4.60	64	182526	6.04	ppbv		95
7) Dichlorotetrafluoroethane	4.15	85	1163064	6.30	ppbv	#	80
8) Propene	3.93	41	307218	5.76	ppbv		96
9) Heptane	9.59	43	563978	5.35	ppbv		89
10) Trichlorofluoromethane	5.07	101	1224574	6.30	ppbv		100
11) 1,1,2-Trichlorotrifluoroet	5.68	101	723549	5.84	ppbv		84
12) Bromoethene	4.82	108	294373	5.77	ppbv	#	97
13) Acetone	4.97	58	105103	4.09	ppbv		76
14) 1,3-Butadiene	4.32	39	274568	5.19	ppbv		92
15) 1,1-Dichloroethene	5.46	96	317889	5.91	ppbv	#	75
16) Isopropyl Alcohol	5.10	45	396175	3.71	ppbv		99
17) Methylene Chloride	5.53	84	253468	5.43	ppbv	#	79
18) Allyl Chloride	5.60	41	332072	5.67	ppbv	#	93
19) trans-1,2-Dichloroethene	6.14	96	279675	5.33	ppbv	#	79
20) Vinyl Acetate	6.34	43	746092	5.52	ppbv	#	92
21) 1,1-Dichloroethane	6.28	63	623708	5.56	ppbv		96
22) Ethyl Acetate	7.01	43	907212	4.86	ppbv	#	93
23) Hexane	7.01	57	517478	5.57	ppbv		88
24) Carbon Disulfide	5.78	76	881936	5.80	ppbv	#	94
25) Methyl tert-Butyl Ether	6.31	73	726623	4.60	ppbv		93
26) Chloroform	7.10	83	741712	5.20	ppbv		97
27) Cyclohexane	8.59	56	530201	4.82	ppbv	#	81
28) cis-1,2-Dichloroethene	6.87	61	425436	5.52	ppbv	#	79
29) 1,1,1-Trichloroethane	7.92	97	817538	5.50	ppbv		96
31) 2-Butanone	6.55	43	488060	4.65	ppbv	#	84
32) Carbon Tetrachloride	8.47	117	949600	6.08	ppbv		96
33) Benzene	8.33	78	831799	5.71	ppbv	#	95
34) 1,2-Dichloroethane	7.70	62	458426	5.68	ppbv	#	91
35) Trichloroethene	9.32	130	403176	5.87	ppbv	#	76
36) 1,2-Dichloropropane	9.09	63	285224	5.44	ppbv	#	87
37) 1,4-Dioxane	9.34	88	138027	4.30	ppbv	#	80
38) Tetrahydrofuran	7.46	72	104882	4.88	ppbv	#	49
39) Bromodichloromethane	9.28	83	746285	5.27	ppbv		98
40) 2,2,4-Trimethylpentane	9.34	57	1517940	5.66	ppbv	#	95
41) t-1,3-Dichloropropene	10.80	75	369999	7.07	ppbv		99
42) cis-1,3-Dichloropropene	10.21	75	400154	6.05	ppbv	#	85
43) 1,1,2-Trichloroethane	11.01	97	314767	5.32	ppbv		92
44) Dibromochloromethane	11.88	129	649469	5.30	ppbv		99

Quantitation Report (QT Reviewed)

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL121806\
Data File : VL121817.D
Acq On : 18 Dec 2006 23:00
Operator : LJC
Sample : BSL1218A1
Misc : LCS, 80ml of std msva-183
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 19 10:07:39 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 09:05:30 2006
QLast Update : Tue Dec 19 09:05:30 2006
Response via : Initial Calibration

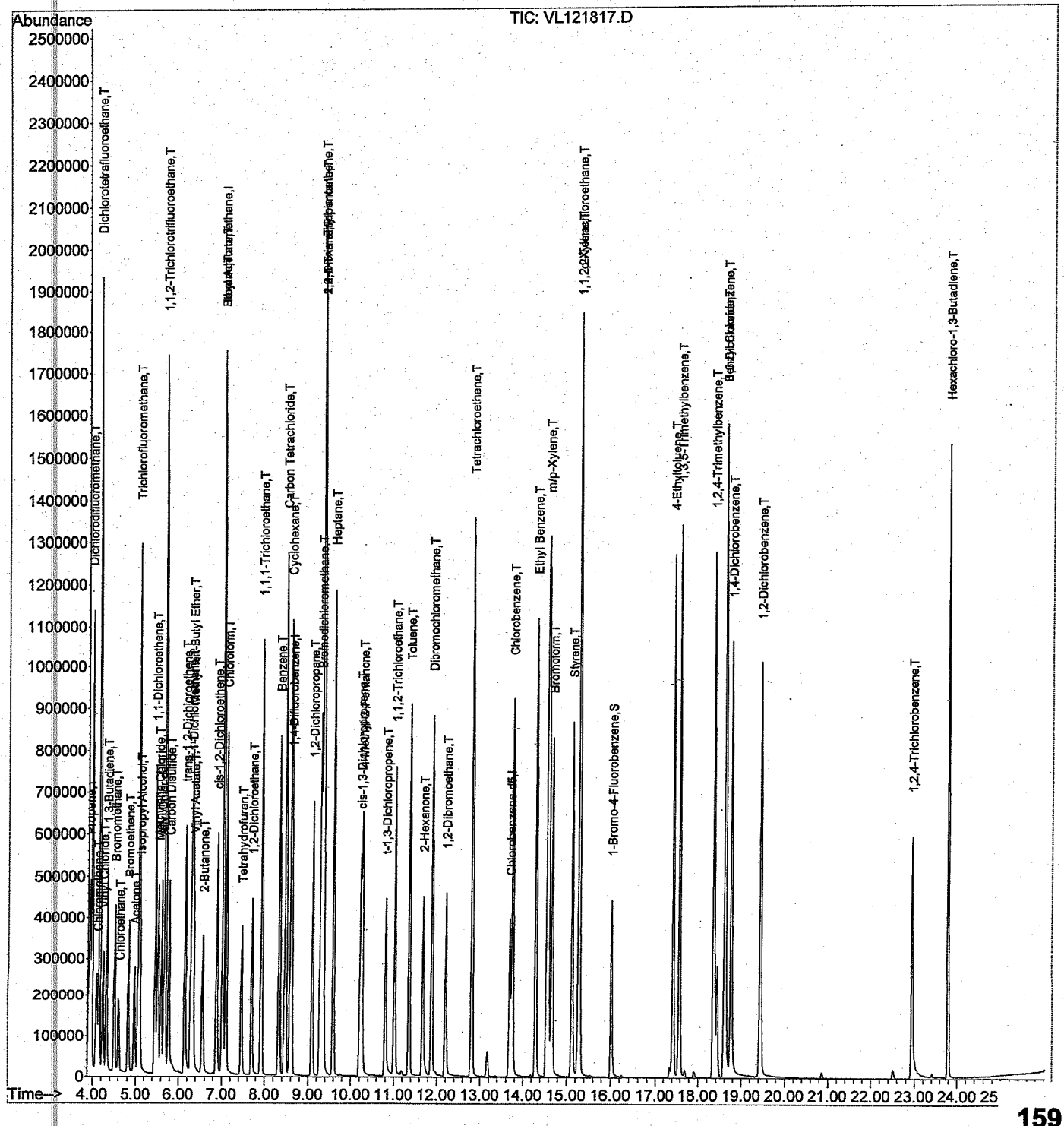
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Bromoform	14.67	173	567276	5.26	ppbv		99
46) 4-Methyl-2-Pentanone	10.25	43	558417	4.64	ppbv		89
47) 2-Hexanone	11.67	43	445715	4.74	ppbv	#	87
48) Tetrachloroethene	12.81	164	406810	5.47	ppbv	#	90
49) Toluene	11.36	91	856432	5.82	ppbv		99
50) 1,2-Dibromoethane	12.20	107	448043	5.79	ppbv		98
52) Chlorobenzene	13.74	112	684750	5.38	ppbv	#	87
53) Ethyl Benzene	14.29	91	1120262	6.07	ppbv		94
54) m/p-Xylene	14.58	91	1875065	12.41	ppbv		93
55) o-Xylene	15.29	91	1021154	6.21	ppbv		93
56) Styrene	15.12	104	605702	7.35	ppbv	#	92
57) 1,1,2,2-Tetrachloroethane	15.27	83	697462	5.49	ppbv		99
58) Benzyl Chloride	18.60	91	835405	6.57	ppbv		94
60) 4-Ethyltoluene	17.42	105	1193652	5.26	ppbv		96
61) 1,3,5-Trimethylbenzene	17.57	105	1115305	6.34	ppbv		95
62) 1,2,4-Trimethylbenzene	18.35	105	1081067	6.58	ppbv		97
63) 1,3-Dichlorobenzene	18.61	146	724928	5.96	ppbv		95
64) 1,4-Dichlorobenzene	18.75	146	679360	6.05	ppbv		95
65) 1,2-Dichlorobenzene	19.44	146	664157	5.58	ppbv		95
66) Hexachloro-1,3-Butadiene	23.79	225	340313	3.26	ppbv		98
67) 1,2,4-Trichlorobenzene	22.94	180	295113	3.49	ppbv		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL121806\
Data File : VL121817.D
Acq On : 18 Dec 2006 23:00
Operator : LJC
Sample : BSL1218A1
Misc : LCS, 80ml of std msva-183
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 19 10:07:39 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 09:05:30 2006
QLast Update : Tue Dec 19 09:05:30 2006
Response via : Initial Calibration



CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	
Project:	**soil Gas- 714 Broadway**	**Date Received:**	
Client Sample ID:	**ZZZZZMS**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5886-03MS**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121837.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
TARGETS					
75-71-8	Dichlorodifluoromethane	20.1		0.49	0.15
74-87-3	Chloromethane	9		0.2	0.06
75-01-4	Vinyl Chloride	10.7		0.26	0.08
74-83-9	Bromomethane	16.1		0.39	0.09
75-00-3	Chloroethane	11.4		0.27	0.06
75-69-4	Trichlorofluoromethane	36.4		0.56	0.23
67-63-0	Isopropyl Alcohol	11.8		0.49	0.34
76-14-2	Dichlorotetrafluoethane	28.5		0.7	0.2
76-13-1	1,1,2-Trichlorotrifluoroethane	30.7		0.76	0.18
593-60-2	Bromoethene	16.3		0.44	0.18
115-07-1	Propene	19.1		0.86	0.08
142-82-5	Heptane	19.6		0.41	0.11
75-35-4	1,1-Dichloroethene	15.1		0.4	0.13
141-78-6	Ethyl Acetate	48		0.36	0.08
67-64-1	Acetone	30.9		0.47	0.31
75-15-0	Carbon disulfide	12.1		0.31	0.07
1634-04-4	Methyl tert-butyl Ether	20		0.36	0.15
75-09-2	Methylene Chloride	19		0.7	0.16
107-05-1	Allyl Chloride	13.6		0.31	0.08
156-60-5	trans-1,2-Dichloroethene	15.6		0.4	0.15
108-05-4	Vinyl Acetate	28.8		0.35	0.09
75-34-3	1,1-Dichloroethane	18.1		0.4	0.12
110-82-7	Cyclohexane	11.8		0.34	0.23
78-93-3	2-Butanone	16.1		0.59	0.21
56-23-5	Carbon Tetrachloride	26.7		0.63	0.38
156-59-2	cis-1,2-Dichloroethene	18.2		0.4	0.17
67-66-3	Chloroform	21.2		0.49	0.11
123-91-1	1,4-Dioxane	15		0.72	0.19
71-55-6	1,1,1-Trichloroethane	23.7		0.54	0.15
109-99-9	Tetrahydrofuran	15.7		0.59	0.18
540-84-1	2,2,4-Trimethylpentane	21.9		0.47	0.12

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	
Project:	**soil Gas- 714 Broadway**	**Date Received:**	
Client Sample ID:	**ZZZZZMS**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5886-03MS**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121837.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
71-43-2	Benzene	18.6		0.32	0.1
107-06-2	1,2-Dichloroethane	20.2		0.4	0.26
79-01-6	Trichloroethene	26		0.54	0.21
78-87-5	1,2-Dichloropropane	23.4		0.46	0.25
75-27-4	Bromodichloromethane	31.3		0.67	0.23
108-10-1	4-Methyl-2-Pentanone	20		0.82	0.25
108-88-3	Toluene	34.8		0.38	0.2
10061-02-6	t-1,3-Dichloropropene	33.2		0.45	0.21
10061-01-5	cis-1,3-Dichloropropene	26.4		0.45	0.11
79-00-5	1,1,2-Trichloroethane	31.6		0.54	0.23
591-78-6	2-Hexanone	18.8		0.82	0.16
124-48-1	Dibromochloromethane	45.5		0.85	0.35
106-93-4	1,2-Dibromoethane	45.4		0.77	0.32
127-18-4	Tetrachloroethene	35		0.68	0.27
108-90-7	Chlorobenzene	24.9		0.46	0.22
100-41-4	Ethyl Benzene	29.7		0.43	0.15
126777-61-2	m/p-Xylene	63.6		0.87	0.36
95-47-6	o-Xylene	31		0.43	0.22
100-42-5	Styrene	33.9		0.43	0.17
75-25-2	Bromoform	61.2		1.03	0.36
79-34-5	1,1,2,2-Tetrachloroethane	40.3		0.69	0.32
108-67-8	1,3,5-Trimethylbenzene	34.2		0.49	0.27
95-63-6	1,2,4-Trimethylbenzene	37.1		0.49	0.24
622-96-8	4-Ethyltoluene	28.6		0.49	0.18
541-73-1	1,3-Dichlorobenzene	37.8		0.6	0.39
106-46-7	1,4-Dichlorobenzene	38.2		0.6	0.32
95-50-1	1,2-Dichlorobenzene	36.3		0.6	0.29
120-82-1	1,2,4-Trichlorobenzene	24		0.74	0.38
87-68-3	Hexachloro-1,3-butadiene	30.1		1.07	0.7
106-99-0	1,3-Butadiene	11.2		0.22	0.15
110-54-3	Hexane	19.6		0.7	0.08
100-44-7	Benzyl Chloride	37.2		0.58	0.2

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	
Project:	**soil Gas- 714 Broadway**	**Date Received:**	
Client Sample ID:	**ZZZZZMS**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5886-03MS**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121837.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
SURROGATES					
460-00-4	1-Bromo-4-Fluorobenzene	2.84	114 %	65 - 135	
INTERNAL STANDARDS					
74-97-5	Bromochloromethane	140179	7.01		
540-36-3	1,4-Difluorobenzene	346616	8.62		
3114-55-4	Chlorobenzene-d5	309709	13.68		

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	
Project:	**soil Gas- 714 Broadway**	**Date Received:**	
Client Sample ID:	**ZZZZZMS**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5886-03MS**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121837.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ppbv	Qualifier	RL ppbv	MDL ppbv
TARGETS					
75-71-8	Dichlorodifluoromethane	4.1		0.1	0.031
74-87-3	Chloromethane	4.4		0.1	0.031
75-01-4	Vinyl Chloride	4.2		0.1	0.031
74-83-9	Bromomethane	4.2		0.1	0.022
75-00-3	Chloroethane	4.3		0.1	0.024
75-69-4	Trichlorofluoromethane	6.5		0.1	0.041
67-63-0	Isopropyl Alcohol	4.8		0.2	0.140
76-14-2	Dichlorotetrafluoethane	4.1		0.1	0.028
76-13-1	1,1,2-Trichlorotrifluoroethane	4.0		0.1	0.024
593-60-2	Bromoethene	3.7		0.1	0.042
115-07-1	Propene	11		0.5	0.047
142-82-5	Heptane	4.8		0.1	0.028
75-35-4	1,1-Dichloroethene	3.8		0.1	0.034
141-78-6	Ethyl Acetate	13		0.1	0.022
67-64-1	Acetone	13		0.2	0.130
75-15-0	Carbon disulfide	3.9		0.1	0.022
1634-04-4	Methyl tert-butyl Ether	5.6		0.1	0.043
75-09-2	Methylene Chloride	5.5		0.2	0.047
107-05-1	Allyl Chloride	4.3		0.1	0.025
156-60-5	trans-1,2-Dichloroethene	3.9		0.1	0.038
108-05-4	Vinyl Acetate	8.2		0.1	0.025
75-34-3	1,1-Dichloroethane	4.5		0.1	0.030
110-82-7	Cyclohexane	3.5		0.1	0.070
78-93-3	2-Butanone	5.5		0.2	0.070
56-23-5	Carbon Tetrachloride	4.2		0.1	0.061
156-59-2	cis-1,2-Dichloroethene	4.6		0.1	0.043
67-66-3	Chloroform	4.4		0.1	0.022
123-91-1	1,4-Dioxane	4.2		0.2	0.054
71-55-6	1,1,1-Trichloroethane	4.4		0.1	0.028
109-99-9	Tetrahydrofuran	5.3		0.2	0.060
540-84-1	2,2,4-Trimethylpentane	4.7		0.1	0.026

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	
Project:	**soil Gas- 714 Broadway**	**Date Received:**	
Client Sample ID:	**ZZZZZMS**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5886-03MS**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121837.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ppbv	Qualifier	RL ppbv	MDL ppbv
71-43-2	Benzene	5.8		0.1	0.031
107-06-2	1,2-Dichloroethane	5.0		0.1	0.065
79-01-6	Trichloroethene	4.8		0.1	0.040
78-87-5	1,2-Dichloropropane	5.1		0.1	0.054
75-27-4	Bromodichloromethane	4.7		0.1	0.035
108-10-1	4-Methyl-2-Pentanone	4.9		0.2	0.060
108-88-3	Toluene	9.3		0.1	0.054
10061-02-6	t-1,3-Dichloropropene	7.3		0.1	0.047
10061-01-5	cis-1,3-Dichloropropene	5.8		0.1	0.024
79-00-5	1,1,2-Trichloroethane	5.8		0.1	0.043
591-78-6	2-Hexanone	4.6		0.2	0.040
124-48-1	Dibromochloromethane	5.4		0.1	0.041
106-93-4	1,2-Dibromoethane	5.9		0.1	0.041
127-18-4	Tetrachloroethene	5.2		0.1	0.040
108-90-7	Chlorobenzene	5.4		0.1	0.047
100-41-4	Ethyl Benzene	6.9		0.1	0.034
126777-61-2	m/p-Xylene	15		0.2	0.084
95-47-6	o-Xylene	7.2		0.1	0.050
100-42-5	Styrene	8.0		0.1	0.040
75-25-2	Bromoform	5.9		0.1	0.035
79-34-5	1,1,2,2-Tetrachloroethane	5.9		0.1	0.047
108-67-8	1,3,5-Trimethylbenzene	7.0		0.1	0.054
95-63-6	1,2,4-Trimethylbenzene	7.6		0.1	0.048
622-96-8	4-Ethyltoluene	5.8		0.1	0.036
541-73-1	1,3-Dichlorobenzene	6.3		0.1	0.065
106-46-7	1,4-Dichlorobenzene	6.4		0.1	0.054
95-50-1	1,2-Dichlorobenzene	6.0		0.1	0.049
120-82-1	1,2,4-Trichlorobenzene	3.2		0.1	0.051
87-68-3	Hexachloro-1,3-butadiene	2.8		0.1	0.066
106-99-0	1,3-Butadiene	5.1		0.1	0.069
110-54-3	Hexane	5.6		0.2	0.024
100-44-7	Benzyl Chloride	6.4		0.1	0.035

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	
Project:	**soil Gas- 714 Broadway**	**Date Received:**	
Client Sample ID:	**ZZZZZMS**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5886-03MS**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121837.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ppbv	Qualifier	RL ppbv	MDL ppbv
SURROGATES					
460-00-4	1-Bromo-4-Fluorobenzene	2.84	114 %	65 - 135	
INTERNAL STANDARDS					
74-97-5	Bromochloromethane	140179	7.01		
540-36-3	1,4-Difluorobenzene	346616	8.62		
3114-55-4	Chlorobenzene-d5	309709	13.68		

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

Quantitation Report (QT Reviewed)

Data Path : V:\HPCHEM1\MSVOA_L\DATA\VL121806\
Data File : VL121837.D
Acq On : 19 Dec 2006 11:54
Operator : LJC
Sample : X5886-03MS
Misc : 400ml, 80ml of std msva-183
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 19 13:28:56 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 12:27:12 2006
QLast Update : Tue Dec 19 12:27:12 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	7.01	49	140179	2.50	ppbv		0.00
30) 1,4-Difluorobenzene	8.62	114	346616	2.50	ppbv		0.00
51) Chlorobenzene-d5	13.68	117	309709	2.50	ppbv		0.00
System Monitoring Compounds							
59) 1-Bromo-4-Fluorobenzene	16.02	95	247269	2.84	ppbv		0.00
Spiked Amount 2.500	Range 70 - 130		Recovery = 113.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.98	85	632298	4.06	ppbv		99
3) Chloromethane	4.09	50	207144	4.40	ppbv		94
4) Vinyl Chloride	4.23	62	215475	4.20	ppbv		96
5) Bromomethane	4.50	94	191471	4.15	ppbv		100
6) Chloroethane	4.61	64	108585	4.29	ppbv		93
7) Dichlorotetrafluoroethane	4.15	85	631633	4.08	ppbv	#	79
8) Propene	3.93	41	496298	11.09	ppbv		99
9) Heptane	9.59	43	424251	4.80	ppbv		91
10) Trichlorofluoromethane	5.07	101	1060763	6.50	ppbv		98
11) 1,1,2-Trichlorotrifluoroet	5.68	101	416353	4.01	ppbv		80
12) Bromoethene	4.82	108	159545	3.73	ppbv	#	96
13) Acetone	4.96	58	280711	13.02	ppbv	#	62
14) 1,3-Butadiene	4.32	39	224869	5.07	ppbv	#	66
15) 1,1-Dichloroethene	5.47	96	171491	3.80	ppbv	#	73
16) Isopropyl Alcohol	5.11	45	432043	4.82	ppbv		99
17) Methylene Chloride	5.53	84	213925	5.46	ppbv	#	77
18) Allyl Chloride	5.60	41	211671	4.31	ppbv	#	92
19) trans-1,2-Dichloroethene	6.14	96	172667	3.92	ppbv	#	77
20) Vinyl Acetate	6.34	43	927461	8.18	ppbv	#	92
21) 1,1-Dichloroethane	6.28	63	421447	4.48	ppbv		96
22) Ethyl Acetate	7.00	43	2089309	13.34	ppbv	#	96
23) Hexane	7.01	57	435265	5.58	ppbv	#	1
24) Carbon Disulfide	5.78	76	496336	3.89	ppbv	#	96
25) Methyl tert-Butyl Ether	6.31	73	736007	5.55	ppbv		93
26) Chloroform	7.10	83	520918	4.36	ppbv		99
27) Cyclohexane	8.59	56	325573	3.53	ppbv	#	81
28) cis-1,2-Dichloroethene	6.88	61	297583	4.60	ppbv		84
29) 1,1,1-Trichloroethane	7.92	97	544150	4.36	ppbv	#	95
31) 2-Butanone	6.54	43	517662	5.48	ppbv	#	85
32) Carbon Tetrachloride	8.47	117	595829	4.24	ppbv		96
33) Benzene	8.33	78	764620	5.83	ppbv	#	95
34) 1,2-Dichloroethane	7.70	62	362132	4.99	ppbv	#	91
35) Trichloroethene	9.32	130	299973	4.85	ppbv	#	80
36) 1,2-Dichloropropane	9.09	63	238872	5.06	ppbv	#	86
37) 1,4-Dioxane	9.35	88	120660	4.17	ppbv		82
38) Tetrahydrofuran	7.46	72	103256	5.34	ppbv	#	49
39) Bromodichloromethane	9.28	83	595867	4.67	ppbv	#	98
40) 2,2,4-Trimethylpentane	9.34	57	1132426	4.69	ppbv	#	94
41) t-1,3-Dichloropropene	10.80	75	344891	7.32	ppbv		100
42) cis-1,3-Dichloropropene	10.21	75	346701	5.82	ppbv	#	83
43) 1,1,2-Trichloroethane	11.01	97	309836	5.81	ppbv		94
44) Dibromochloromethane	11.88	129	590866	5.35	ppbv		99

Quantitation Report (QT Reviewed)

Data Path : V:\HPCHEM1\MSVOA_L\DATA\VL121806\
Data File : VL121837.D
Acq On : 19 Dec 2006 11:54
Operator : LJC
Sample : X5886-03MS
Misc : 400ml, 80ml of std msva-183
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 19 13:28:56 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 12:27:12 2006
QLast Update : Tue Dec 19 12:27:12 2006
Response via : Initial Calibration

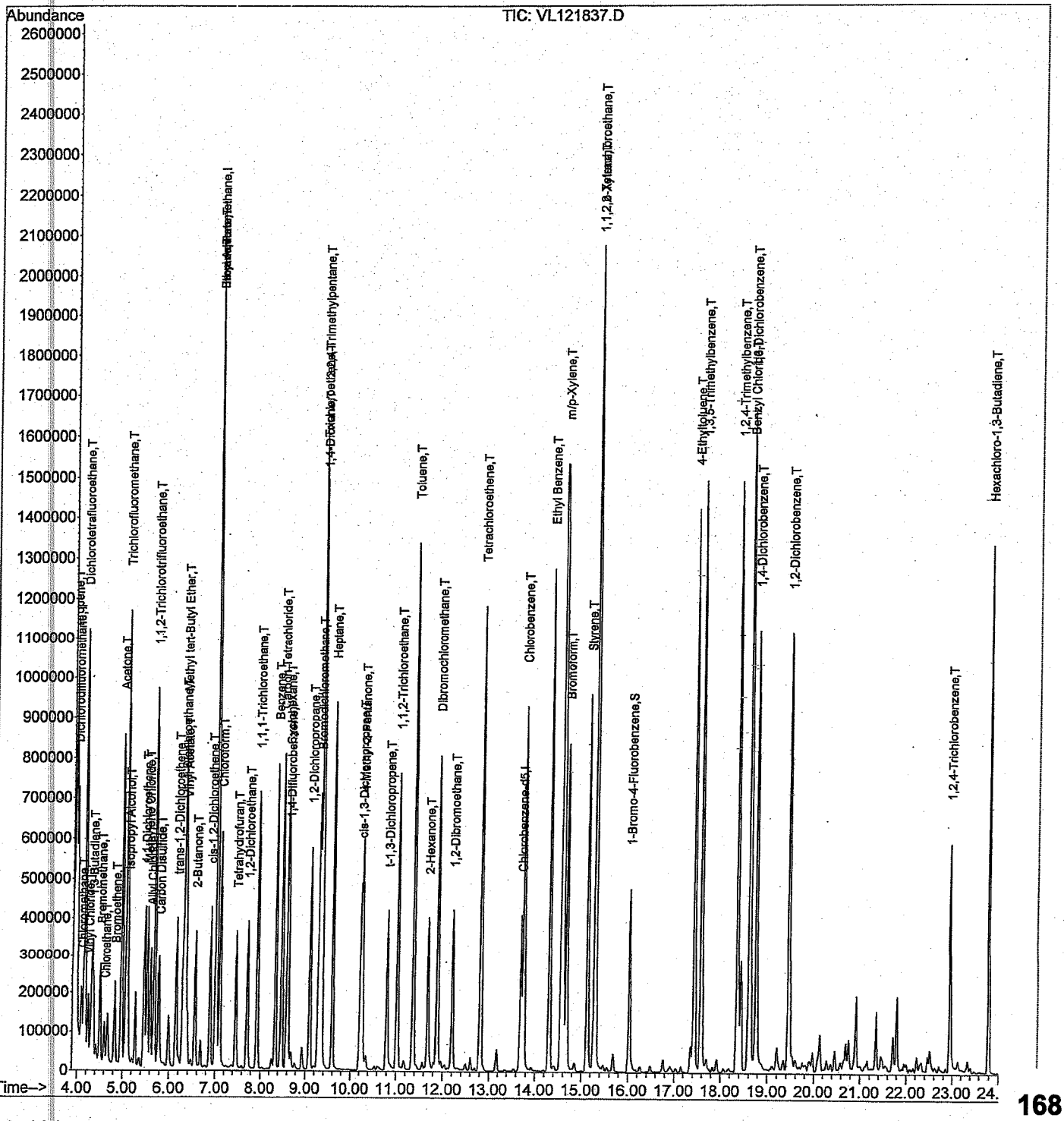
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
45) Bromoform	14.67	173	574085	5.91 ppbv		98
46) 4-Methyl-2-Pentanone	10.25	43	528070	4.88 ppbv		88
47) 2-Hexanone	11.67	43	389160	4.59 ppbv	#	87
48) Tetrachloroethene	12.81	164	344868	5.15 ppbv		92
49) Toluene	11.35	91	1227374	9.26 ppbv		99
50) 1,2-Dibromoethane	12.20	107	410999	5.90 ppbv		98
52) Chlorobenzene	13.74	112	684209	5.38 ppbv		90
53) Ethyl Benzene	14.29	91	1266001	6.86 ppbv		94
54) m/p-Xylene	14.57	91	2219100	14.68 ppbv		93
55) o-Xylene	15.29	91	1177578	7.16 ppbv		93
56) Styrene	15.12	104	656681	7.97 ppbv	#	92
*57) 1,1,2,2-Tetrachloroethane	15.27	83	745501	5.86 ppbv		99
58) Benzyl Chloride	18.59	91	819276	6.45 ppbv		94
60) 4-Ethyltoluene	17.42	105	1328955	5.83 ppbv		95
61) 1,3,5-Trimethylbenzene	17.57	105	1224316	6.96 ppbv		92
62) 1,2,4-Trimethylbenzene	18.35	105	1244103	7.56 ppbv		97
63) 1,3-Dichlorobenzene	18.61	146	764027	6.28 ppbv		95
64) 1,4-Dichlorobenzene	18.75	146	714178	6.36 ppbv		96
65) 1,2-Dichlorobenzene	19.44	146	719251	6.04 ppbv		95
66) Hexachloro-1,3-Butadiene	23.79	225	295187	2.82 ppbv		98
67) 1,2,4-Trichlorobenzene	22.94	180	273091	3.24 ppbv		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : V:\HPCHEM1\MSVOA_L\DATA\VL121806\
Data File : VL121837.D
Acq On : 19 Dec 2006 11:54
Operator : LJC
Sample : X5886-03MS
Misc : 400ml, 80ml of std msva-183
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 19 13:28:56 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 12:27:12 2006
QLast Update : Tue Dec 19 12:27:12 2006
Response via : Initial Calibration



CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	
Project:	**soil Gas- 714 Broadway**	**Date Received:**	
Client Sample ID:	**ZZZZZMSD**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5886-03MSD**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121838.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
TARGETS					
75-71-8	Dichlorodifluoromethane	33.5		0.49	0.15
74-87-3	Chloromethane	12.2		0.2	0.06
75-01-4	Vinyl Chloride	15.2		0.26	0.08
74-83-9	Bromomethane	22.3		0.39	0.09
75-00-3	Chloroethane	15.9		0.27	0.06
75-69-4	Trichlorofluoromethane	55		0.56	0.23
67-63-0	Isopropyl Alcohol	2.75		0.49	0.34
76-14-2	Dichlorotetrafluoethane	41.1		0.7	0.2
76-13-1	1,1,2-Trichlorotrifluoroethane	42.1		0.76	0.18
593-60-2	Bromoethene	24.1		0.44	0.18
115-07-1	Propene	27.5		0.86	0.08
142-82-5	Heptane	23		0.41	0.11
75-35-4	1,1-Dichloroethene	22.1		0.4	0.13
141-78-6	Ethyl Acetate	42		0.36	0.08
67-64-1	Acetone	25.3		0.47	0.31
75-15-0	Carbon disulfide	16.8		0.31	0.07
1634-04-4	Methyl tert-butyl Ether	15.9		0.36	0.15
75-09-2	Methylene Chloride	24.6		0.7	0.16
107-05-1	Allyl Chloride	18.1		0.31	0.08
156-60-5	trans-1,2-Dichloroethene	20.5		0.4	0.15
108-05-4	Vinyl Acetate	22.8		0.35	0.09
75-34-3	1,1-Dichloroethane	22.1		0.4	0.12
110-82-7	Cyclohexane	15.5		0.34	0.23
78-93-3	2-Butanone	13.3		0.59	0.21
56-23-5	Carbon Tetrachloride	32.4		0.63	0.38
156-59-2	cis-1,2-Dichloroethene	22.2		0.4	0.17
67-66-3	Chloroform	25.1		0.49	0.11
123-91-1	1,4-Dioxane	10		0.72	0.19
71-55-6	1,1,1-Trichloroethane	28.8		0.54	0.15
109-99-9	Tetrahydrofuran	12.7		0.59	0.18
540-84-1	2,2,4-Trimethylpentane	24.6		0.47	0.12

U = Not Detected
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MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	
Project:	**soil Gas- 714 Broadway**	**Date Received:**	
Client Sample ID:	**ZZZZZMSD**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5886-03MSD**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121838.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
71-43-2	Benzene	22.1		0.32	0.1
107-06-2	1,2-Dichloroethane	22		0.4	0.26
79-01-6	Trichloroethene	29.8		0.54	0.21
78-87-5	1,2-Dichloropropane	25.3		0.46	0.25
75-27-4	Bromodichloromethane	31.9		0.67	0.23
108-10-1	4-Methyl-2-Pentanone	12.7		0.82	0.25
108-88-3	Toluene	34.8		0.38	0.2
10061-02-6	t-1,3-Dichloropropene	30.5		0.45	0.21
10061-01-5	cis-1,3-Dichloropropene	26.4		0.45	0.11
79-00-5	1,1,2-Trichloroethane	28.2		0.54	0.23
591-78-6	2-Hexanone	7.85		0.82	0.16
124-48-1	Dibromochloromethane	41.4		0.85	0.35
106-93-4	1,2-Dibromoethane	41.9		0.77	0.32
127-18-4	Tetrachloroethene	34.5		0.68	0.27
108-90-7	Chlorobenzene	25.9		0.46	0.22
100-41-4	Ethyl Benzene	27.7		0.43	0.15
126777-61-2	m/p-Xylene	57.4		0.87	0.36
95-47-6	o-Xylene	27		0.43	0.22
100-42-5	Styrene	30.2		0.43	0.17
75-25-2	Bromoform	50.5		1.03	0.36
79-34-5	1,1,2,2-Tetrachloroethane	32.6		0.69	0.32
108-67-8	1,3,5-Trimethylbenzene	27.9		0.49	0.27
95-63-6	1,2,4-Trimethylbenzene	29.9		0.49	0.24
622-96-8	4-Ethyltoluene	23.7		0.49	0.18
541-73-1	1,3-Dichlorobenzene	29.6		0.6	0.39
106-46-7	1,4-Dichlorobenzene	30.4		0.6	0.32
95-50-1	1,2-Dichlorobenzene	25.3		0.6	0.29
120-82-1	1,2,4-Trichlorobenzene	13.9		0.74	0.38
87-68-3	Hexachloro-1,3-butadiene	14.2		1.07	0.7
106-99-0	1,3-Butadiene	16.2		0.22	0.15
110-54-3	Hexane	26.2		0.7	0.08
100-44-7	Benzyl Chloride	29.4		0.58	0.2

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	
Project:	**soil Gas- 714 Broadway**	**Date Received:**	
Client Sample ID:	**ZZZZZMSD**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5886-03MSD**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121838.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
SURROGATES					
460-00-4	1-Bromo-4-Fluorobenzene	2.34	94 %	65 - 135	
INTERNAL STANDARDS					
74-97-5	Bromochloromethane	183574	7.01		
540-36-3	1,4-Difluorobenzene	461998	8.62		
3114-55-4	Chlorobenzene-d5	351711	13.68		

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	
Project:	**soil Gas- 714 Broadway**	**Date Received:**	
Client Sample ID:	**ZZZZZMSD**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5886-03MSD**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121838.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ppbv	Qualifier	RL ppbv	MDL ppbv
TARGETS					
75-71-8	Dichlorodifluoromethane	6.8		0.1	0.031
74-87-3	Chloromethane	6.0		0.1	0.031
75-01-4	Vinyl Chloride	5.9		0.1	0.031
74-83-9	Bromomethane	5.7		0.1	0.022
75-00-3	Chloroethane	6.0		0.1	0.024
75-69-4	Trichlorofluoromethane	9.8		0.1	0.041
67-63-0	Isopropyl Alcohol	1.1		0.2	0.140
76-14-2	Dichlorotetrafluoethane	5.9		0.1	0.028
76-13-1	1,1,2-Trichlorotrifluoroethane	5.5		0.1	0.024
593-60-2	Bromoethene	5.5		0.1	0.042
115-07-1	Propene	16		0.5	0.047
142-82-5	Heptane	5.6		0.1	0.028
75-35-4	1,1-Dichloroethene	5.6		0.1	0.034
141-78-6	Ethyl Acetate	12		0.1	0.022
67-64-1	Acetone	11		0.2	0.130
75-15-0	Carbon disulfide	5.4		0.1	0.022
1634-04-4	Methyl tert-butyl Ether	4.4		0.1	0.043
75-09-2	Methylene Chloride	7.1		0.2	0.047
107-05-1	Allyl Chloride	5.8		0.1	0.025
156-60-5	trans-1,2-Dichloroethene	5.2		0.1	0.038
108-05-4	Vinyl Acetate	6.5		0.1	0.025
75-34-3	1,1-Dichloroethane	5.5		0.1	0.030
110-82-7	Cyclohexane	4.6		0.1	0.070
78-93-3	2-Butanone	4.5		0.2	0.070
56-23-5	Carbon Tetrachloride	5.2		0.1	0.061
156-59-2	cis-1,2-Dichloroethene	5.6		0.1	0.043
67-66-3	Chloroform	5.2		0.1	0.022
123-91-1	1,4-Dioxane	2.8		0.2	0.054
71-55-6	1,1,1-Trichloroethane	5.3		0.1	0.028
109-99-9	Tetrahydrofuran	4.3		0.2	0.060
540-84-1	2,2,4-Trimethylpentane	5.3		0.1	0.026

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N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	
Project:	**soil Gas- 714 Broadway**	**Date Received:**	
Client Sample ID:	**ZZZZZMSD**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5886-03MSD**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121838.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ppbv	Qualifier	RL ppbv	MDL ppbv
71-43-2	Benzene	6.9		0.1	0.031
107-06-2	1,2-Dichloroethane	5.4		0.1	0.065
79-01-6	Trichloroethene	5.6		0.1	0.040
78-87-5	1,2-Dichloropropane	5.5		0.1	0.054
75-27-4	Bromodichloromethane	4.8		0.1	0.035
108-10-1	4-Methyl-2-Pentanone	3.1		0.2	0.060
108-88-3	Toluene	9.3		0.1	0.054
10061-02-6	t-1,3-Dichloropropene	6.7		0.1	0.047
10061-01-5	cis-1,3-Dichloropropene	5.8		0.1	0.024
79-00-5	1,1,2-Trichloroethane	5.2		0.1	0.043
591-78-6	2-Hexanone	1.9		0.2	0.040
124-48-1	Dibromochloromethane	4.9		0.1	0.041
106-93-4	1,2-Dibromoethane	5.4		0.1	0.041
127-18-4	Tetrachloroethene	5.1		0.1	0.040
108-90-7	Chlorobenzene	5.6		0.1	0.047
100-41-4	Ethyl Benzene	6.4		0.1	0.034
126777-61-2	m/p-Xylene	13		0.2	0.084
95-47-6	o-Xylene	6.2		0.1	0.050
100-42-5	Styrene	7.1		0.1	0.040
75-25-2	Bromoform	4.9		0.1	0.035
79-34-5	1,1,2,2-Tetrachloroethane	4.8		0.1	0.047
108-67-8	1,3,5-Trimethylbenzene	5.7		0.1	0.054
95-63-6	1,2,4-Trimethylbenzene	6.1		0.1	0.048
622-96-8	4-Ethyltoluene	4.8		0.1	0.036
541-73-1	1,3-Dichlorobenzene	4.9		0.1	0.065
106-46-7	1,4-Dichlorobenzene	5.1		0.1	0.054
95-50-1	1,2-Dichlorobenzene	4.2		0.1	0.049
120-82-1	1,2,4-Trichlorobenzene	1.9		0.1	0.051
87-68-3	Hexachloro-1,3-butadiene	1.3		0.1	0.066
106-99-0	1,3-Butadiene	7.3		0.1	0.069
110-54-3	Hexane	7.4		0.2	0.024
100-44-7	Benzyl Chloride	5.1		0.1	0.035

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	
Project:	**soil Gas- 714 Broadway**	**Date Received:**	
Client Sample ID:	**ZZZZZMSD**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5886-03MSD**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121838.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ppbv	Qualifier	RL ppbv	MDL ppbv
SURROGATES					
460-00-4	1-Bromo-4-Fluorobenzene	2.34	94 %	65 - 135	
INTERNAL STANDARDS					
74-97-5	Bromochloromethane	183574	7.01		
540-36-3	1,4-Difluorobenzene	461998	8.62		
3114-55-4	Chlorobenzene-d5	351711	13.68		

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

Quantitation Report (QT Reviewed)

Data Path : V:\HPCHEM1\MSVOA_L\DATA\VL121806\
Data File : VL121838.D
Acq On : 19 Dec 2006 12:33
Operator : LJC
Sample : X5886-03MSD
Misc : 400ml, 80ml of std msva-183
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 19 14:05:02 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 12:27:12 2006
QLast Update : Tue Dec 19 12:27:12 2006
Response via : Initial Calibration

	Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1)	Bromochloromethane	7.01	49	183574	2.50	ppbv		0.00
30)	1,4-Difluorobenzene	8.62	114	461998	2.50	ppbv		0.00
51)	Chlorobenzene-d5	13.68	117	351711	2.50	ppbv		0.00
	System Monitoring Compounds							
59)	1-Bromo-4-Fluorobenzene	16.02	95	231117	2.34	ppbv		0.00
	Spiked Amount 2.500	Range 70 - 130		Recovery = 93.60%				
	Target Compounds							Qvalue
2)	Dichlorodifluoromethane	3.97	85	1379757	6.76	ppbv		99
3)	Chloromethane	4.08	50	368967	5.99	ppbv		96
4)	Vinyl Chloride	4.23	62	398928	5.94	ppbv		100
5)	Bromomethane	4.50	94	346560	5.73	ppbv		97
6)	Chloroethane	4.60	64	198294	5.98	ppbv		94
7)	Dichlorotetrafluoroethane	4.14	85	1191469	5.87	ppbv		82
8)	Propene	3.92	41	937946	16.00	ppbv		98
9)	Heptane	9.59	43	651090	5.62	ppbv		90
10)	Trichlorofluoromethane	5.07	101	2096604	9.82	ppbv		97
11)	1,1,2-Trichlorotrifluoroet	5.69	101	749518	5.51	ppbv		83
12)	Bromoethene	4.82	108	308106	5.50	ppbv	#	97
13)	Acetone	4.97	58	301397	10.67	ppbv	#	43
14)	1,3-Butadiene	4.31	39	425441	7.32	ppbv	#	66
15)	1,1-Dichloroethene	5.47	96	328428	5.56	ppbv	#	74
16)	Isopropyl Alcohol	5.11	45	130948	1.12	ppbv		100
17)	Methylene Chloride	5.53	84	363714	7.09	ppbv	#	79
18)	Allyl Chloride	5.61	41	370947	5.76	ppbv	#	93
19)	trans-1,2-Dichloroethene	6.15	96	297658	5.16	ppbv	#	81
20)	Vinyl Acetate	6.34	43	962312	6.48	ppbv	#	94
21)	1,1-Dichloroethane	6.29	63	673095	5.46	ppbv		95
22)	Ethyl Acetate	7.00	43	2395589	11.68	ppbv	#	96
23)	Hexane	7.02	57	760432	7.45	ppbv	#	16
24)	Carbon Disulfide	5.78	76	900252	5.39	ppbv	#	93
25)	Methyl tert-Butyl Ether	6.31	73	767387	4.42	ppbv		93
26)	Chloroform	7.11	83	806923	5.15	ppbv		98
27)	Cyclohexane	8.59	56	558830	4.63	ppbv	#	82
28)	cis-1,2-Dichloroethene	6.88	61	473879	5.60	ppbv	#	78
29)	1,1,1-Trichloroethane	7.93	97	863304	5.29	ppbv		95
31)	2-Butanone	6.54	43	566155	4.50	ppbv	#	85
32)	Carbon Tetrachloride	8.47	117	965858	5.15	ppbv		99
33)	Benzene	8.34	78	1209877	6.92	ppbv	#	96
34)	1,2-Dichloroethane	7.71	62	526373	5.44	ppbv	#	91
35)	Trichloroethene	9.32	130	458920	5.57	ppbv		82
36)	1,2-Dichloropropane	9.09	63	345055	5.48	ppbv	#	89
37)	1,4-Dioxane	9.35	88	106936	2.78	ppbv	#	56
38)	Tetrahydrofuran	7.45	72	111225	4.31	ppbv	#	56
39)	Bromodichloromethane	9.28	83	807510	4.75	ppbv		98
40)	2,2,4-Trimethylpentane	9.34	57	1696362	5.27	ppbv		94
41)	t-1,3-Dichloropropene	10.80	75	421453	6.71	ppbv		100
42)	cis-1,3-Dichloropropene	10.21	75	462238	5.82	ppbv	#	86
43)	1,1,2-Trichloroethane	11.01	97	368541	5.19	ppbv		95
44)	Dibromochloromethane	11.88	129	716904	4.87	ppbv		100

Quantitation Report (QT Reviewed)

Data Path : V:\HPCHEM1\MSVOA_L\DATA\VL121806\
Data File : VL121838.D
Acq On : 19 Dec 2006 12:33
Operator : LJC
Sample : X5886-03MSD
Misc : 400ml, 80ml of std msva-183
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 19 14:05:02 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 12:27:12 2006
QLast Update : Tue Dec 19 12:27:12 2006
Response via : Initial Calibration

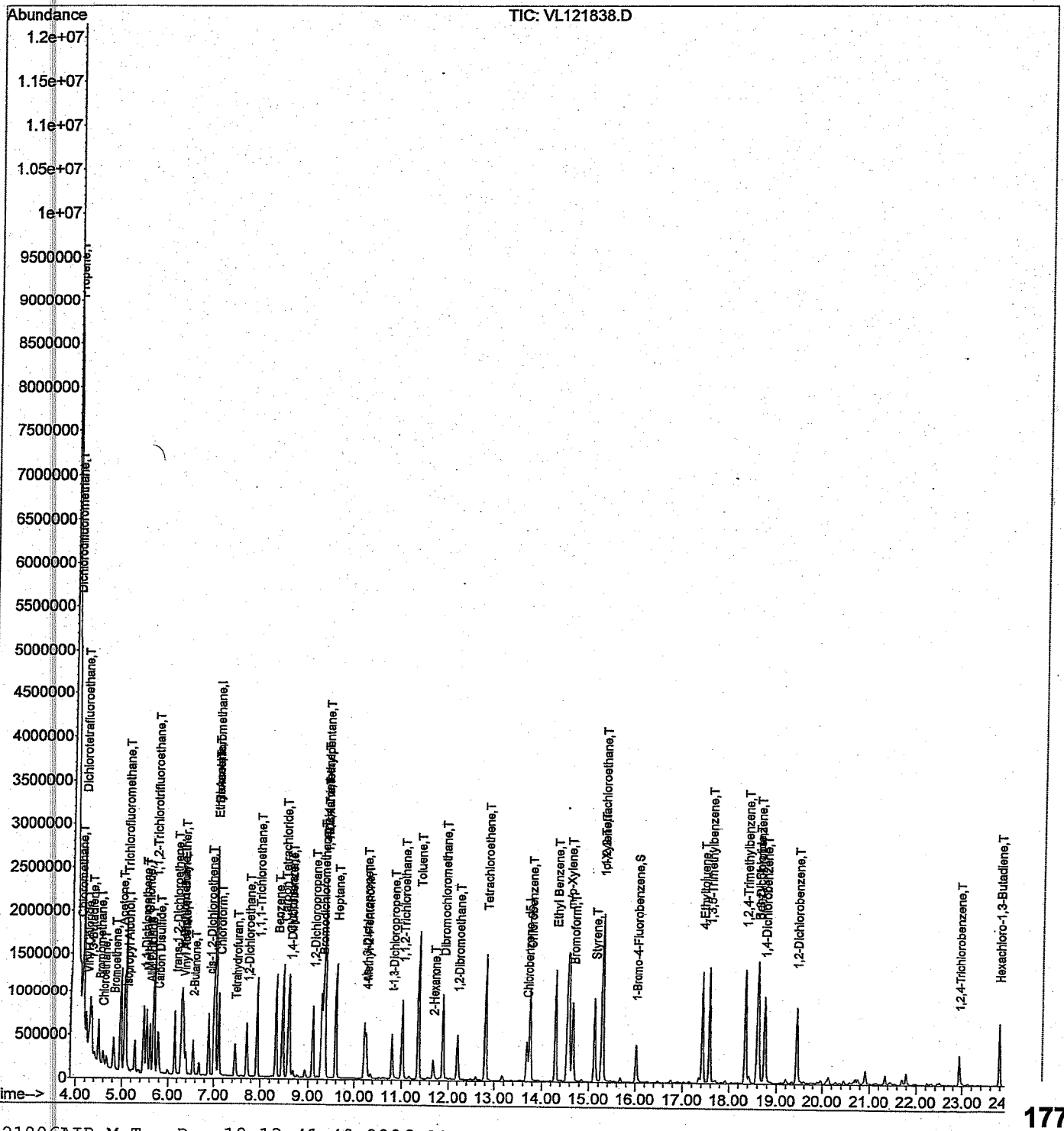
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
45) Bromoform	14.66	173	632258	4.88 ppbv	99
46) 4-Methyl-2-Pentanone	10.25	43	449519	3.11 ppbv	89
47) 2-Hexanone	11.68	43	217346	1.92 ppbv #	87
48) Tetrachloroethene	12.81	164	452817	5.08 ppbv #	90
49) Toluene	11.35	91	1636137	9.26 ppbv	99
50) 1,2-Dibromoethane	12.20	107	506253	5.45 ppbv	95
52) Chlorobenzene	13.74	112	810862	5.61 ppbv #	89
53) Ethyl Benzene	14.29	91	1342603	6.40 ppbv	95
54) m/p-Xylene	14.57	91	2272901m	13.24 ppbv	
55) o-Xylene	15.29	91	1160474	6.22 ppbv	94
56) Styrene	15.12	104	663275	7.09 ppbv #	92
57) 1,1,2,2-Tetrachloroethane	15.27	83	686215	4.75 ppbv	99
58) Benzyl Chloride	18.60	91	723928	5.09 ppbv	95
60) 4-Ethyltoluene	17.42	105	1239537	4.82 ppbv	96
61) 1,3,5-Trimethylbenzene	17.57	105	1134944	5.68 ppbv	92
62) 1,2,4-Trimethylbenzene	18.35	105	1137833	6.09 ppbv	95
63) 1,3-Dichlorobenzene	18.61	146	680080	4.92 ppbv	96
64) 1,4-Dichlorobenzene	18.75	146	644704	5.06 ppbv	97
65) 1,2-Dichlorobenzene	19.44	146	568941	4.21 ppbv	95
66) Hexachloro-1,3-Butadiene	23.79	225	158384	1.33 ppbv	98
67) 1,2,4-Trichlorobenzene	22.94	180	168682	1.88 ppbv	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : V:\HPCHEM1\MSVOA_L\DATA\VL121806\
Data File : VL121838.D
Acq On : 19 Dec 2006 12:33
Operator : LJC
Sample : X5886-03MSD
Misc : 400ml, 80ml of std msva-183
ALS Vial : 8 Sample Multiplier: 1

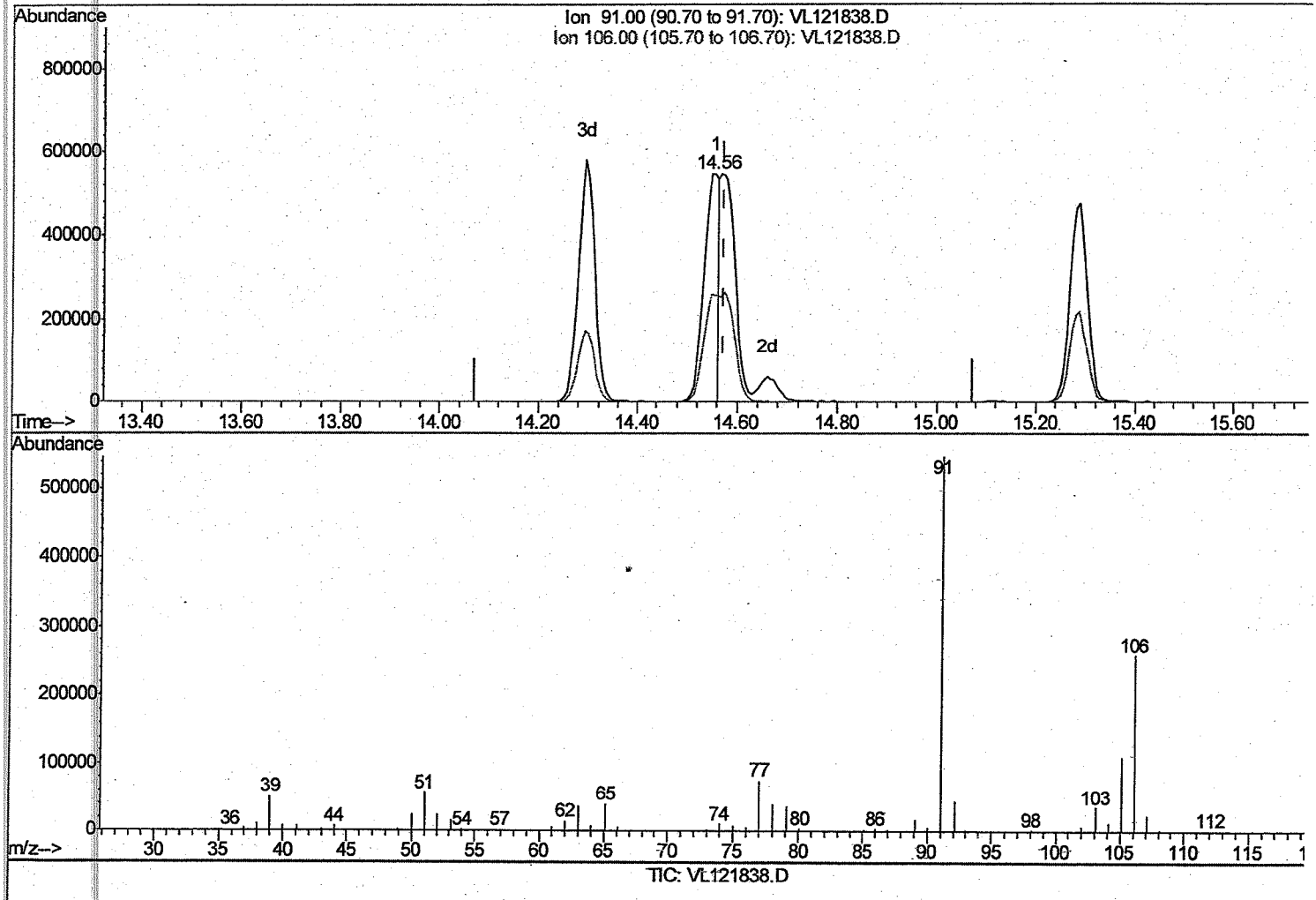
Quant Time: Dec 19 14:05:02 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 12:27:12 2006
QLast Update : Tue Dec 19 12:27:12 2006
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL121806\
Data File : VL121838.D
Acq On : 19 Dec 2006 12:33
Operator : LJC
Sample : X5886-03MSD
Misc : 400ml, 80ml of std msva-183
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 19 14:02:36 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 12:27:12 2006
QLast Update : Tue Dec 19 12:27:12 2006
Response via : Initial Calibration



(54) m/p-Xylene (T)

14.555min (-0.018) 6.69ppbv

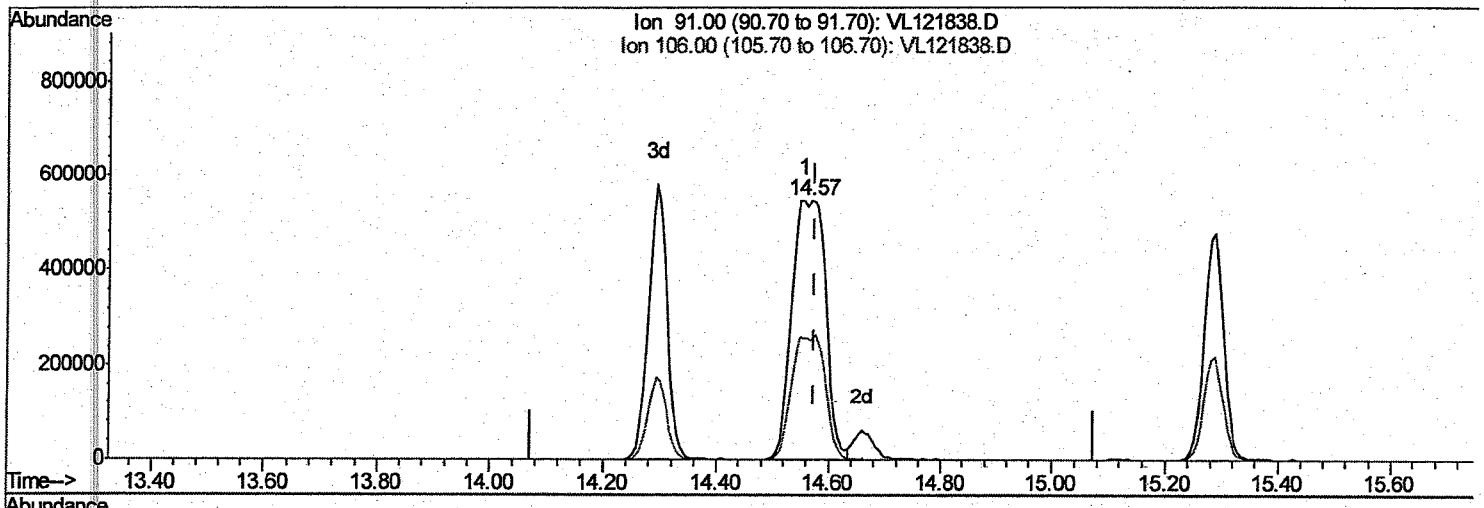
response 1148275

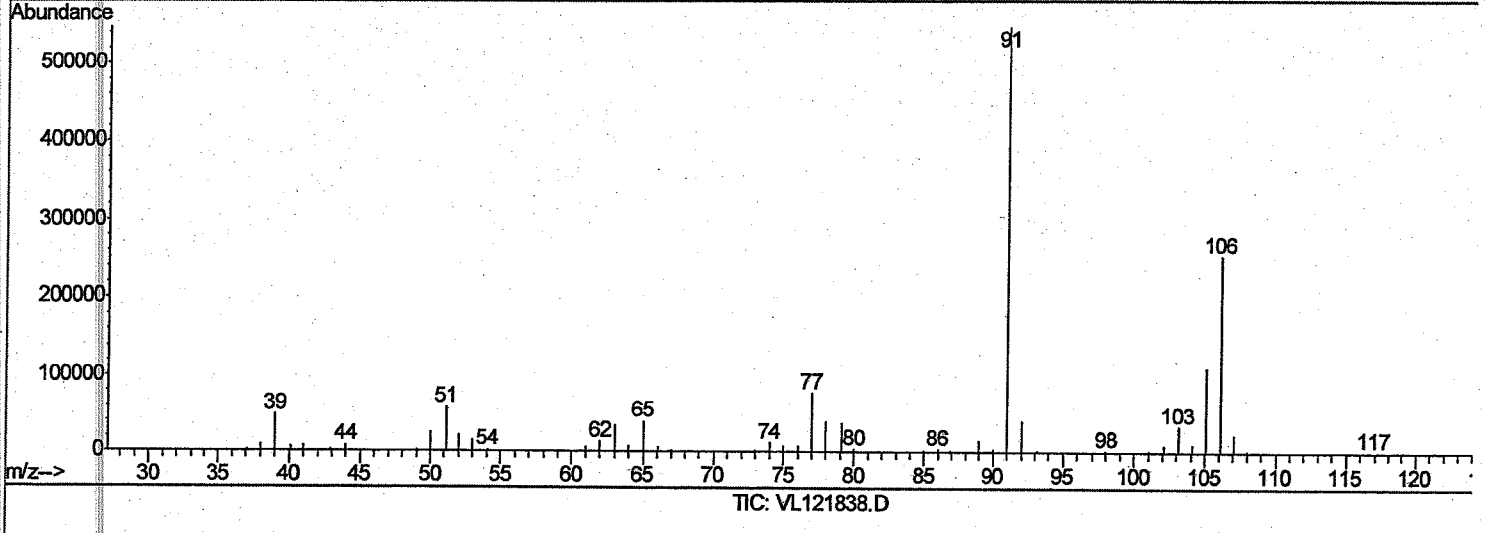
Ion	Exp%	Act%
91.00	100	100
106.00	52.60	55.26
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL121806\
Data File : VL121838.D
Acq On : 19 Dec 2006 12:33
Operator : LJC
Sample : X5886-03MSD
Misc : 400ml, 80ml of std msva-183
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 19 14:02:36 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL121806AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Dec 19 12:27:12 2006
QLast Update : Tue Dec 19 12:27:12 2006
Response via : Initial Calibration





TIC: VL121838.D

(54) m/p-Xylene (T)

14.567min (-0.006) 13.24ppbv m

response 2272901

Ion	Exp%	Act%
91.00	100	100
106.00	52.60	27.92#
0.00	0.00	0.00
0.00	0.00	0.00

VOLATILES MISCELLANEOUS DATA

CHEMTECH

Lab Chronicle

Order ID: X5778
Client: C.T. Male & Associates
Contact: Liz Rovers

Order Date: 12/8/2006 10:26:31 AM
Project: soil Gas- 714 Broadway
Location VOA Lab

Lab ID	Client ID	Matrix	Test	Method	Sample Date	PrepDate	AnalDate	Received
X5778-01	**SV-1**	**AIR**			**12/12/06**			**12/13/06**
			TO-15	TO-15			12/19/06	
X5778-02	**SV-2**	**AIR**			**12/12/06**			**12/13/06**
			TO-15	TO-15			12/19/06	
X5778-02DL	**SV-2DL**	**AIR**			**12/12/06**			**12/13/06**
			TO-15	TO-15			12/19/06	
X5778-03	**SV-3**	**AIR**			**12/12/06**			**12/13/06**
			TO-15	TO-15			12/19/06	
X5778-03DL	**SV-3DL**	**AIR**			**12/12/06**			**12/13/06**
			TO-15	TO-15			12/19/06	

CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092
New Jersey Lab ID # : 20012 New York Lab ID #: 11376
QA Control Code A2070150

GC/MS AIR Conformance/Non-Conformance Summary

Chemtech Project #:____X5778_____ Matrix: Air
Analytical Method: EPA TO-15

	NA	NO	YES
1. Chromatograms labeled/Compounds identified (Field samples and Method Blanks)	___	___	_X_
2. The instrument met GC/MS Tuning criteria	___	___	_X_
3. The samples were analyzed meeting tuning frequency criteria (within 24 hours from tuning)	___	___	_X_
4 GC/MS Initial calibration met criteria Criteria: %RSD≤30 (2 compounds may exceed, but must be ≤40%), or R-Squared value≥0.99 if linear regression)	___	___	_X_

Comments The %RSD is greater than 30 for Styrene and Linear Regression was performed for Benzyl Chloride , 4-Ethyltoluene and 1,2,4-Trichlorobenzene in the Initial Calibration.

5 GC/MS calibration verification met criteria (%D ≤30)	_X_	___	___

Comments:_

6. Was method blank contaminated? If yes, list the analytes and concentrations.	____	___	_X_

The Blank analysis indicated presence of Hexachloro-1,3-Butadiene (0.1 ppbv) due to possible lab contamination.

7. Surrogate recoveries met criteria (65-135%)	____	___	_X_

Comments The Surrogate recoveries met the acceptable criteria.

8. Lab control sample recoveries within control limits (65-135%)	____	_X_	___

Comments The Blank Spike met requirements for all samples except for Dichlorodifluoromethane, t-1,3-Dichloropropene and Styrene.

	NA	NO	YES
9. MS/MSD recoveries within control limits (65-135%)	____	_X_	___

Comments The MS recoveries met the requirements for all compounds except for Propene, Vinyl Acetate, t-1,3-Dichloropropene, m/p-Xylene, o-Xylene, Styrene, 1,3,5-Trimethylbenzene, 1,2,4-Trimethylbenzene, Hexachloro-1,3-Butadiene and 1,2,4-Trichlorobenzene.

The MSD recoveries met the acceptable requirements except for Propene, Trichlorofluoromethane, 1,3-Butadiene, Isopropyl Alcohol, 1,4-Dioxane, 4-Methyl-2-Pentanone, 2-Hexanone, Styrene, Hexachloro-1,3-Butadiene and 1,2,4-Trichlorobenzene. The RPD recoveries met criteria except for Dichlorodifluoromethane,

10. MS/MSD RPD within control limits (0-35%) ____ _X_ ___

Comments The RPD recoveries met criteria except for Dichlorodifluoromethane, Dichlorotetrafluoroethane, Propene, Trichlorofluoromethane, Isopropyl Alcohol, Bromomethane, Acetone, 1,1-Dichloroethene, Hexane, 1,4-Dioxane, 4-Methyl-2-Pentanone, 2-Hexanone, Hexachloro-1,3-Butadiene and 1,2,4-Trichlorobenzene.

11. Internal standard area (+40%) within control limits ____ ___ _X_

Comments The Internal Standards Areas met the acceptable requirements.

12. Samples were analyzed within holding time?

Method criterion:

Canisters:	within 30 days from collection	___	___	_X_
Tedlar bags:	within 2 days from collection	_X_	___	___

Comments:

Additional Comments

Samples SV-2 and SV-3 were diluted due to high concentrations.

Please use %D calculated based on AvgRF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <30% for the Initial Calibration Curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 30% for the Initial Calibration curve.

QC Reviewed by: _____ Date: 01/04/07

CHEMTECH

Manual Integration Report

Sequence	VL121806	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
X5886-03MSD	VL121838.D	m/p-Xylene	louis	12/19/2006 4:17:52 PM	krupa	12/20/2006 10:12:54 AM	Peak Integrated by Software incorrectly
0.2ppb ICAL	VL121807.D	1,2,4-Trichlorobenzene	louis	12/19/2006 4:14:24 PM	krupa	12/20/2006 10:12:24 AM	Peak Integrated by Software incorrectly
0.1ppb ICAL	VL121808C.D	m/p-Xylene	louis	12/19/2006 4:14:36 PM	krupa	12/20/2006 10:12:43 AM	Peak Integrated by Software incorrectly
0.1ppb ICAL	VL121808C.D	1,2,4-Trichlorobenzene	louis	12/19/2006 4:14:36 PM	krupa	12/20/2006 10:12:43 AM	Peak Integrated by Software incorrectly

CHEMTECH

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908) 789-8900

Daily Analysis Runlog For Instrument ID #VL121806

STD. NAME	STD REF.#	STD. NAME	STD REF.#
Review By	krupa	Review On	12/20/2006 10:13:32 AM
Tune/Reschk	MSVA-182	Initial Calibration Stds	MSVA-179(2ppb)/MSVA-176(25ppbv)
CCC	N/A	SubDirectory	VL121806
Internal Standard/PEM	MSVA-182	HP Acquire Method	VOAAIR_I.m
ICV/I.BLK	N/A	HP Processing Method	VL121806AIR.m

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL121801.D	18 Dec 2006 11:07	LJC	Ok
2	BFB	VL121802.D	18 Dec 2006 11:47	LJC	ReRun
3	BFB	VL121803.D	18 Dec 2006 12:23	LJC	ReRun
4	BFB	VL121804.D	18 Dec 2006 13:09	LJC	Ok
5	0.1ppb ICAL	VL121805.D	18 Dec 2006 13:40	LJC	ReRun
6	0.1ppb ICAL	VL121806.D	18 Dec 2006 14:15	LJC	ReRun
8	0.5ppb ICAL	VL121808.D	18 Dec 2006 15:30	LJC	ReRun
9	0.5ppb ICAL	VL121808A.D	18 Dec 2006 16:07	LJC	Ok
10	0.1ppb ICAL	VL121808B.D	18 Dec 2006 16:45	LJC	Ok
11	0.1ppb ICAL	VL121808C.D	18 Dec 2006 17:22	LJC	Ok,M
12	1.0ppb ICAL	VL121809.D	18 Dec 2006 17:59	LJC	Ok
13	2.0ppb ICAL	VL121810.D	18 Dec 2006 18:36	LJC	Ok
14	5.0ppb ICAL	VL121811.D	18 Dec 2006 19:13	LJC	Ok
15	10.0ppb ICAL	VL121812.D	18 Dec 2006 19:51	LJC	Ok
16	20.0ppb ICAL	VL121813.D	18 Dec 2006 20:28	LJC	Ok
17	VBL1218A1	VL121814.D	18 Dec 2006 21:06	LJC	Ok

18	VBL1218A1	VL121815.D	18 Dec 2006 21:46	LJC	Ok
19	BSL1218A1	VL121816.D	18 Dec 2006 22:24	LJC	ReRun
20	BSL1218A1	VL121817.D	18 Dec 2006 23:00	LJC	Ok
21	VBL1218A1	VL121818.D	18 Dec 2006 23:40	LJC	Ok

CHEMTECH

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908) 789-8900

Daily Analysis Runlog For Instrument ID #VL121806

STD. NAME	STD REF.#	STD. NAME	STD REF.#
Review By	krupa	Review On	12/20/2006 10:13:32 AM
Tune/Reschk	MSVA-182	Initial Calibration Stds	MSVA-179(2ppb)/MSVA-176(25ppbv)
CCC	N/A	SubDirectory	VL121806
Internal Standard/PEM	MSVA-182	HP Acquire Method	VOAAIR_l.m
ICV/I.BLK	N/A	HP Processing Method	VL121806AIR.m

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
22	X5886-13	VL121819.D	19 Dec 2006 00:22	LJC	Ok
23	X5886-13RE	VL121820.D	19 Dec 2006 1:04	LJC	Ok
24	X5778-01	VL121821.D	19 Dec 2006 1:44	LJC	Ok
25	X5778-01DL DF5	VL121822.D	19 Dec 2006 2:22	LJC	Ok
26	X5778-02	VL121823.D	19 Dec 2006 3:02	LJC	Ok
27	X5778-02DL DF5	VL121824.D	19 Dec 2006 3:40	LJC	Ok
28	X5778-03	VL121825.D	19 Dec 2006 4:20	LJC	Ok
29	X5778-03DL DF10	VL121826.D	19 Dec 2006 4:56	LJC	Ok
30	X5886-03	VL121827.D	19 Dec 2006 5:35	LJC	Ok
31	X5883-03DL DF10	VL121828.D	19 Dec 2006 6:13	LJC	Ok
32	X5886-04	VL121829.D	19 Dec 2006 6:53	LJC	Ok
33	X5883-04DL DF10	VL121830.D	19 Dec 2006 7:30	LJC	Ok
34	X5886-05	VL121831.D	19 Dec 2006 8:08	LJC	Ok
35	X5883-05DL DF10	VL121832.D	19 Dec 2006 8:45	LJC	Ok
36	X5886-01 DF20	VL121833.D	19 Dec 2006 9:22	LJC	Ok
37	X5886-02 DF20	VL121834.D	19 Dec 2006 9:59	LJC	Ok
38	X5886-06 DF20	VL121835.D	19 Dec 2006 10:36	LJC	Ok
39	X5886-07 DF20	VL121836.D	19 Dec 2006 11:13	LJC	Ok
40	X5886-03MS	VL121837.D	19 Dec 2006 11:54	LJC	Ok
41	X5886-03MSD	VL121838.D	19 Dec 2006 12:33	LJC	Ok,M

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CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908) 789-8900

Daily Analysis Runlog For Instrument ID #VL121806

STD. NAME	STD REF.#	STD. NAME	STD REF.#
Review By	krupa	Review On	12/20/2006 10:13:32 AM
Tune/Reschk	MSVA-182	Initial Calibration Stds	MSVA-179(2ppb)/MSVA-176(25ppbv)
CCC	N/A	SubDirectory	VL121806
Internal Standard/PEM	MSVA-182	HP Acquire Method	VOAAIR_I.m
ICV/I.BLK	N/A	HP Processing Method	VL121806AIR.m

Sr#	SampleId	Data File Name	Date-Time	Operator	Status

Canister cleaning /24 hour vacuum check log

CHEMTECH
284 Sheffield Street, Mountainside NJ 07092 (908) 789-8900 www.chemtech.net

Canister Batch #: 120406 Batch QC Analysis Date: 12/07/06

Cleaning Date: 12/04/06 Batch Passed QC: X Yes or No

QC Canister #: 10157 File: VL120711.d

SOP ID: M P-24/ REV: 02

1801

Canister Number	Last Lab Sample Number	Vacuum after cleaning	Date/time	Vacuum after 24hr	Date/time	New sample number	Analyst initials
10009	X4949-01	-30.0	12/05/06 11:30	-30.0	12/06/06 0:00	X5728-01	XB
10032	X4949-02					X5728-02	XB
10157	X4949-03					QC CAN	
10018	X4949-04					X5728-03	XB
10401	X5115-01					X5742-01	
10030	X4871-02					X5742-02	
10607	X5085-02					X5742-03	
10490	X5085-03					X5742-04	

size 6C

Document Control # A3040502 Supervisor Review _____ Page 71

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Quantitation Report (QT Reviewed)

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL120706\
Data File : VL120711.D
Acq On : 7 Dec 2006 15:12
Operator : LJC
Sample : VBL1207A1
Misc : Blank Can 10157, QC Batch 120406, 400ml
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 07 16:48:19 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL120706AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Dec 07 15:27:28 2006
QLast Update : Thu Dec 07 15:27:28 2006
Response via : Initial Calibration

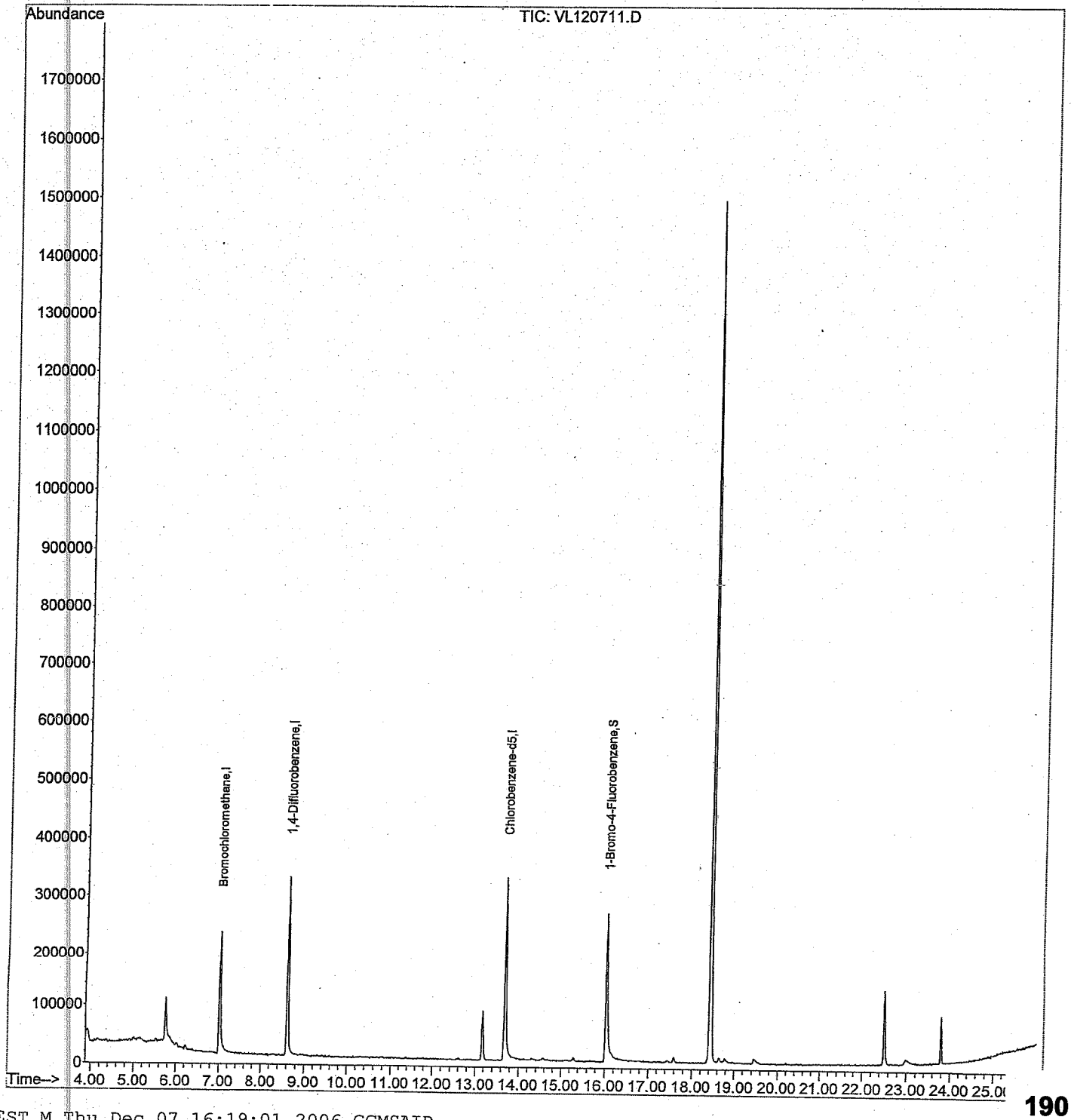
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.01	49	169038	2.50	ppbv	0.00
30) 1,4-Difluorobenzene	8.62	114	354259	2.50	ppbv	0.00
51) Chlorobenzene-d5	13.69	117	319844	2.50	ppbv	0.00
System Monitoring Compounds						
59) 1-Bromo-4-Fluorobenzene	16.02	95	211551	2.38	ppbv	0.00
Spiked Amount 2.500	Range 70 - 130		Recovery = 95.20%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : V:\HPCHEM1\Msvoa_L\Data\VL120706\
Data File : VL120711.D
Acq On : 7 Dec 2006 15:12
Operator : LJC
Sample : VBL1207A1
Misc : Blank Can 10157, QC Batch 120406, 400ml
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 07 16:48:19 2006
Quant Method : V:\HPCHEM1\MSVOA_L\METHOD\VL120706AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Dec 07 15:27:28 2006
QLast Update : Thu Dec 07 15:27:28 2006
Response via : Initial Calibration



CHEMTECH 284 Sheffield Street Mountainside, NJ 07092

AIR SAMPLE PRESSURE & DILUTION LOGBOOK

Analyst Signature: T. Butcher Supervisor Signature: _____

METHOD: TO-15

* PRESSURE UPON RECEIPT IN LAB

Date	Sample Number	Canister #	Initial Pressure psia *	Initial Pressure Hg	Final Pressure psia	Final Pressure Hg	Dilution Factor	Comment
12/12/06	X4861-03	10412	12.6	-4.3				
	X4861-04	10022	13.0	-3.5				
	X4861-05	10006	14.8	0.2				
	X4861-06	10494	12.8	-3.9				
	X4861-07	10446	12.4	-4.7				
	X4861-08	10021	13.8	-3.1				
	X4861-09	10600	13.6	-2.2				
	X4861-10	10053	14.1	-1.2				
	X4861-11	10609	12.6	-4.3				
	X4861-12	10608	12.9	-3.7				
	X4861-13	10023	13.4	-2.7				
	X4861-14	10403	12.9	-3.7				
	X4861-15	10402	13.5	-2.4				
12/13/06	X5843-01	10024	14.9	0.4				
	X5843-02	10153	15.0	0.6				
	X5843-03	10595	14.8	0.2				
	X5843-04	10488	14.9	0.4				
12/13/06	X5853-01	10591	15.7	2.0				
	X5778-02	10009	15.8	2.2				
	X5778-08	10018	15.0	0.6				
	X5778-03	10032	15.6	1.8				

CHEMTECH
284 Sheffield Street Mountainside, NJ 07092

AIR STANDARD PREPARATION LOGBOOK

Supervisor Signature: _____ Dept: GC/MS Volatile Organic - Air

STD #	Preparation date	Expiration date	Standard Name	Standard Receipt #	Initial Conc. ppbv	Initial Pressure (psi)	Final Pressure (psi)	Final conc. (ppbv)	Prepared by	Verified by
MSVA-175	11/17/06	12/17/06	TO-15 LCS MIX	MSVO-523	100	7.5	30.0	25.0	[illegible]	
↓	↓	↓	↓	MSVO-655	↓	↓	↓	↓	↓	
MSVA-176	11/28/06	12/28/06	TO-15 CAL MIX	MSVO-550	100	7.5	30.0	25.0	[illegible]	
↓	↓	↓	↓	MSVO-551	↓	↓	↓	↓	↓	
MSVA-177	11/29/06	12/29/06	TO-15 CAL MIX	MSVO-550	100	0.5	30.0	1.67	[illegible]	
↓	↓	↓	↓	MSVO-551	↓	↓	↓	↓	↓	
MSVA-178	12/1/06	1/1/07	ISTD/SUR	MSVO-593	100	6.0	30.0	20.0	[illegible]	
MSVA-179	12/1/06	1/1/07	TO-15 CAL MIX	MSVO-550	100	0.6	30.0	2.0	[illegible]	
↓	↓	↓	↓	MSVO-551	↓	↓	↓	↓	↓	
MSVA-180	12/1/06	1/1/07	TO-15 CAL MIX	MSVO-550	100	3.0	30.0	10.0	[illegible]	
↓	↓	↓	↓	MSVO-551	↓	↓	↓	↓	↓	
MSVA-181	12/11/06	1/11/07	ISTD/SUR	MSVO-593	100	6.0	30.0	20.0	[illegible]	
MSVA-182	12/15/06	1/15/07	ISTD/SUR	MSVO-593	100	6.0	30.0	20.0	[illegible]	
MSVA-183	12/18/06	1/18/06	TO-15 LCS MIX	MSVO-523	100	7.5	30.0	25.0	[illegible]	
↓	↓	↓	↓	MSVO 655	↓	↓	↓	↓	↓	

Note: 80uL of water is added to each 6-L can during standard preparation

Spectra Gases, Inc.
3434 Route 22 West, Branchburg, New Jersey 08876 USA

ISO 9001:2000

Chemtech SO Receipt #
MSVO-655

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

Recd 10/27/2006

SHIPPED TO: Restek Corp.
Penn Eagle Industrial Park
110 Benner Circle
Bellefonte, PA 16823

CERTIFICATE OF ANALYSIS

SGI ORDER # : 0098414
ITEM# : 2
CERTIFICATION DATE: 10/24/2006
P.O.# : 45173-RESTEK
BLEND TYPE: CERTIFIED

CYLINDER # : AB-18883
CYLINDER PRES: 1800 psig
CYLINDER VALVE: CGA 180
PRODUCT EXPIRATION DATE: 10/24/2007

ANALYTICAL ACCURACY: +/- 10%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Propylene	100 ppb	100 ppb
1,3-Butadiene	100 ppb	100 ppb
Vinyl Bromide	100 ppb	100 ppb
Acetone	100 ppb	97 ppb
Isopropyl Alcohol	100 ppb	99 ppb
Carbon Disulfide (Analytical Accuracy +/- 20%)	100 ppb	102 ppb
Allyl Chloride	100 ppb	104 ppb
Trans-1,2-Dichloroethene	100 ppb	104 ppb
Methyl Tert-Butyl Ether	100 ppb	103 ppb
Vinyl Acetate	100 ppb	104 ppb
Methyl Ethyl Ketone	100 ppb	100 ppb
n-Hexane	100 ppb	103 ppb
Ethyl Acetate	100 ppb	99 ppb
Tetrahydrofuran	100 ppb	100 ppb
Cyclohexane	100 ppb	103 ppb
Bromodichloromethane	100 ppb	98 ppb
1,4-Dioxane	100 ppb	98 ppb
2,2,4-Trimethylpentane	100 ppb	103 ppb
n-Heptane	100 ppb	103 ppb
Methyl Isobutyl Ketone	100 ppb	99 ppb
Methyl Butyl Ketone	100 ppb	94 ppb
Dibromochloromethane	100 ppb	102 ppb
Bromoform	100 ppb	103 ppb
4-Ethyltoluene	100 ppb	101 ppb
Benzyl Chloride (Analytical Accuracy +/- 20%)	100 ppb	95 ppb
Nitrogen	Balance	Balance

ANALYST: April Chamberlain

DATE: 10/25/2006

Tel: +1 908-252-9300 Fax: +1 908-252-0811
www.spectragases.com

Restek Part # 34421

Spectra Gases, Inc.

3434 Route 22 West, Branchburg, New Jersey 08876 USA

ISO 9001:2000

Rec'd = 4/11/06

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865 Chemtech Std Receipt # MSV0-573

SHIPPED TO: Restek Corp.
Penn Eagle Industrial Park
110 Benner Circle
Bellefonte, PA 16823

Lot # 239952

CERTIFICATE OF ANALYSIS

SGI ORDER # :	0087977		
ITEM# :	1	CYLINDER # :	AB-18900
CERTIFICATION DATE:	4/5/2006	CYLINDER PRES:	1800 psig
P.O.# :	42333-Restek	CYLINDER VALVE:	CGA 180
BLEND TYPE:	CERTIFIED	PRODUCT EXPIRATION DATE:	4/5/2007

ANALYTICAL ACCURACY: +/- 10%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Freon-12	100 ppb	98 ppb
Chloromethane	100 ppb	99 ppb
Freon-114	100 ppb	98 ppb
Vinyl Chloride	100 ppb	100 ppb
Bromomethane	100 ppb	100 ppb
Chloroethane	100 ppb	99 ppb
Freon-11	100 ppb	93 ppb
1,1-Dichloroethene	100 ppb	96 ppb
Methylene chloride	100 ppb	97 ppb
Freon-113	100 ppb	95 ppb
1,1-Dichloroethane	100 ppb	98 ppb
Cis-1,2-Dichloroethylene	100 ppb	98 ppb
Chloroform	100 ppb	98 ppb
1,2-Dichloroethane	100 ppb	99 ppb
1,1,1-Trichloroethane	100 ppb	98 ppb
Benzene	100 ppb	99 ppb
Carbon Tetrachloride	100 ppb	99 ppb
1,2-Dichloropropane	100 ppb	99 ppb
Trichloroethylene	100 ppb	99 ppb
Cis-1,3-Dichloropropene	100 ppb	95 ppb
Trans-1,3-Dichloropropene	100 ppb	101 ppb
1,1,2-Trichloroethane	100 ppb	102 ppb
Toluene	100 ppb	99 ppb
1,2-Dibromoethane	100 ppb	100 ppb
Tetrachloroethylene	100 ppb	99 ppb
Chlorobenzene	100 ppb	99 ppb
Ethylbenzene	100 ppb	99 ppb
p-Xylene	100 ppb	99 ppb
m-Xylene	100 ppb	99 ppb
Styrene	100 ppb	99 ppb

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Spectra Gases, Inc.
3434 Route 22 West, Branchburg, New Jersey 08876 USA
ISO 9001:2000

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

SHIPPED TO: Restek Corp.
Penn Eagle Industrial Park
110 Benner Circle
Bellefonte, PA 16823

CERTIFICATE OF ANALYSIS

SGI ORDER # :	0087977		
ITEM# :	1	CYLINDER # :	AB-18900
CERTIFICATION DATE:	4/5/2006	CYLINDER PRES:	1800 psig
P.O.# :	42333-Restek	CYLINDER VALVE:	CGA 180
BLEND TYPE:	CERTIFIED	PRODUCT EXPIRATION DATE:	4/5/2007

ANALYTICAL ACCURACY: +/- 10%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
o-Xylene	100 ppb	100 ppb
1,1,2,2-Tetrachloroethane	100 ppb	100 ppb
1,3,5-Trimethylbenzene	100 ppb	100 ppb
1,2,4-Trimethylbenzene	100 ppb	100 ppb
1,3-Dichlorobenzene	100 ppb	99 ppb
1,4-Dichlorobenzene	100 ppb	99 ppb
1,2-Dichlorobenzene	100 ppb	99 ppb
1,2,4-Trichlorobenzene	100 ppb	96 ppb
Hexachloro-1,3-Butadiene	100 ppb	99 ppb
Nitrogen	Balance	Balance

PART NUMBER: 34421

ANALYST: _____
Ted Neeme

DATE: 4/5/2006

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3434 Route 22 West, Branchburg, New Jersey 08876 USA

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Chemtech Std Receipt # MSV0-593

Recd: 5/31/06 OVK

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

SHIPPED TO: Restek Corp.
Penn Eagle Industrial Park
110 Benner Circle
Bellefonte, PA 16823

CERTIFICATE OF ANALYSIS

SGI ORDER # :	0090867		
ITEM# :	1	**CYLINDER # :**	AB-19151
CERTIFICATION DATE:	5/23/2006	**CYLINDER PRES:**	1800 psig
P.O.# :	43120-RESTEK	**CYLINDER VALVE:**	CGA 180
BLEND TYPE:	CERTIFIED	**PRODUCT EXPIRATION DATE:**	5/23/2007

ANALYTICAL ACCURACY: +/- 10%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Bromochloromethane	100 ppb	101 ppb
1,4-Difluorobenzene	100 ppb	101 ppb
Chlorobenzene-d5	100 ppb	100 ppb
4-Bromofluorobenzene	100 ppb	100 ppb
Nitrogen	Balance	Balance

PART NUMBER: 34425

ANALYST: April Chamberlain **DATE:** 5/23/2006

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Restek Part # 34421

Recd: 1/3/06 OVK

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

SHIPPED TO: Restek Corp.
Penn Eagle Industrial Park
110 Benner Circle
Bellefonte, PA 16823

STD # MSVO-550

Lot # 237339

CERTIFICATE OF ANALYSIS

SGI ORDER # :	0082886		
ITEM# :	2	CYLINDER # :	AB-18647
CERTIFICATION DATE:	12/28/2005	CYLINDER PRES:	1800 psig
P.O.# :	40879-RESTEK	CYLINDER VALVE:	CGA 180
BLEND TYPE:	CERTIFIED	PRODUCT EXPIRATION DATE:	12/28/2006

ANALYTICAL ACCURACY: +/- 10%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Freon-12	100 ppb	109 ppb
Chloromethane	100 ppb	110 ppb
Freon-114	100 ppb	105 ppb
Vinyl Chloride	100 ppb	110 ppb
Bromomethane	100 ppb	110 ppb
Chloroethane	100 ppb	109 ppb
Freon-11	100 ppb	105 ppb
1,1-Dichloroethene	100 ppb	107 ppb
Methylene chloride	100 ppb	108 ppb
Freon-113	100 ppb	107 ppb
1,1-Dichloroethane	100 ppb	109 ppb
Cis-1,2-Dichloroethylene	100 ppb	109 ppb
Chloroform	100 ppb	109 ppb
1,2-Dichloroethane	100 ppb	110 ppb
1,1,1-Trichloroethane	100 ppb	109 ppb
Benzene	100 ppb	110 ppb
Carbon Tetrachloride	100 ppb	110 ppb
1,2-Dichloropropane	100 ppb	110 ppb
Trichloroethylene	100 ppb	110 ppb
Cis-1,3-Dichloropropene	100 ppb	106 ppb
Trans-1,3-Dichloropropene	100 ppb	110 ppb
1,1,2-Trichloroethane	100 ppb	110 ppb
Toluene	100 ppb	110 ppb
1,2-Dibromoethane	100 ppb	110 ppb
Tetrachloroethylene	100 ppb	110 ppb
Chlorobenzene	100 ppb	110 ppb
Ethylbenzene	100 ppb	110 ppb
p-Xylene	100 ppb	110 ppb
m-Xylene	100 ppb	110 ppb
Styrene	100 ppb	109 ppb

Tel: +1 908-252-9300 Fax: +1 908-252-0811
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SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

SHIPPED TO: Restek Corp.
Penn Eagle Industrial Park
110 Benner Circle
Bellefonte, PA 16823

CERTIFICATE OF ANALYSIS

SGI ORDER # :	0082886		
ITEM# :	2	**CYLINDER # :**	AB-18647
CERTIFICATION DATE:	12/28/2005	**CYLINDER PRES:**	1800 psig
P.O.# :	40879-RESTEK	**CYLINDER VALVE:**	CGA 180
BLEND TYPE:	CERTIFIED	**PRODUCT EXPIRATION DATE:**	12/28/2006

ANALYTICAL ACCURACY: +/- 10%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
o-Xylene	100 ppb	110 ppb
1,1,2,2-Tetrachloroethane	100 ppb	110 ppb
1,3,5-Trimethylbenzene	100 ppb	110 ppb
1,2,4-Trimethylbenzene	100 ppb	110 ppb
1,3-Dichlorobenzene	100 ppb	109 ppb
1,4-Dichlorobenzene	100 ppb	108 ppb
1,2-Dichlorobenzene	100 ppb	109 ppb
1,2,4-Trichlorobenzene	100 ppb	110 ppb
Hexachloro-1,3-Butadiene	100 ppb	110 ppb
Nitrogen	Balance	Balance

PART NUMBER: 34421

ANALYST: April Chamberlain

DATE: 12/28/2005

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Spectra Gases, Inc.

3434 Route 22 West, Branchburg, New Jersey 08876 USA

ISO 9001:2000

Restek Lot # 24435
Recd : 1/3/06 OK
SIP # MSVO-551

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

SHIPPED TO: Restek Corp.
Penn Eagle Industrial Park
110 Benner Circle
Bellefonte, PA 16823

Lot # 241582

CERTIFICATE OF ANALYSIS

SGI ORDER # :	0082886		
ITEM# :	3	**CYLINDER # :**	AB-18032
CERTIFICATION DATE:	12/28/2005	**CYLINDER PRES:**	1800 psig
P.O.# :	40879-RESTEK	**CYLINDER VALVE:**	CGA 180
BLEND TYPE:	CERTIFIED	**PRODUCT EXPIRATION DATE:**	12/28/2006

ANALYTICAL ACCURACY: +/- 10%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Propylene	100 ppb	105 ppb
1,3-Butadiene	100 ppb	110 ppb
Vinyl Bromide	100 ppb	107 ppb
Acetone	100 ppb	110 ppb
Isopropyl Alcohol	100 ppb	106 ppb
Carbon Disulfide (Analytical Accuracy +/- 20%)	100 ppb	105 ppb
Allyl Chloride	100 ppb	110 ppb
Trans-1,2-Dichloroethene	100 ppb	110 ppb
Methyl Tert-Butyl Ether	100 ppb	107 ppb
Vinyl Acetate	100 ppb	110 ppb
Methyl Ethyl Ketone	100 ppb	108 ppb
n-Hexane	100 ppb	109 ppb
Ethyl Acetate	100 ppb	110 ppb
Tetrahydrofuran	100 ppb	108 ppb
Cyclohexane	100 ppb	109 ppb
Bromodichloromethane	100 ppb	105 ppb
1,4-Dioxane	100 ppb	105 ppb
2,2,4-Trimethylpentane	100 ppb	109 ppb
n-Heptane	100 ppb	109 ppb
Methyl Isobutyl Ketone	100 ppb	106 ppb
Methyl Butyl Ketone	100 ppb	104 ppb
Dibromochloromethane	100 ppb	109 ppb
Bromoform	100 ppb	110 ppb
4-Ethyltoluene	100 ppb	104 ppb
Benzyl Chloride (Analytical Accuracy +/- 20%)	100 ppb	102 ppb
Nitrogen	Balance	Balance

ANALYST: April Chamberlain

DATE: 12/28/2005

Tel: +1 908-252-9300 Fax: +1 908-252-0811
www.spectragases.com

SHIPPING AND RECEIVING DOCUMENTATION

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. X5778

COC Number 062220

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: C.T Male Associates, P.C.
ADDRESS: 50 Century Hill Dr
CITY: Latham STATE: NY ZIP: 12110
ATTENTION: Liz Rovers
PHONE: 518 786 7400 FAX: 518 786 7299

CLIENT PROJECT INFORMATION

PROJECT NAME: 714 Broadway
PROJECT NO.: 95 5080 LOCATION: Schenectady, NY
PROJECT MANAGER: Liz Rovers
e-mail: l.rovers@ctmale.com
PHONE: 518 786 7400 FAX: 518 786 7299

CLIENT BILLING INFORMATION

BILL TO: same PO#:
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX: normal DAYS *
HARD COPY: normal DAYS *
EDD: normal DAYS *

* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ RESULTS ONLY ☐ USEPA CLP
☐ RESULTS + QC ☒ New York State ASP "B"
☐ New Jersey REDUCED ☐ New York State ASP "A"
☐ New Jersey CLP ☐ Other
☐ EDD FORMAT

ANALYSIS

EPA TO-15 VOC

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME (start)	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1. 1	SV-1	air		X	12/12/06	1405	1	X									End time 1605
2. 2	SV-2	air		X	12/12/06	1407	1	X									End time 1607
3. 3	SV-3	air		X	12/12/06	1409	1	X									End time 1609
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

← Specify Preservatives
A–HCl B–HNO_3 C–H_2SO_4 D–NaOH E–ICE F–Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

	RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	[signature]	12/12/06 1800	Fed Ex 7298 8924 5320
2.	RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:
3.	RELINQUISHED BY: [signature]	DATE/TIME: 10:15 12-13-06	RECEIVED FOR LAB BY: [signature]

Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments: Samples - 6L summa canisters

Cooler Temp. N/A
Ice in Cooler?: N/A

Page 1 of 1

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☒ OVERNIGHT
CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☒ YES ☐ NO

201

Revision 4/2005

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH 284 Sheffield Street Mountainside NJ 07092 Tel. 908-789-8900

Laboratory Certification

State	License No.
New Jersey	20012
New York	11376
Arizona	AZ0653
Connecticut	PH-0649
Florida	E87935
Kansas	E-10355
Maryland	296
Massachusetts	M-NJ503
Maine	NJ0503
North Carolina	630
Oklahoma	9705
Pennsylvania	68-548
Rhode Island	LAO00259

QA Control Code: A2070148

PLEASE FOLD THIS SHIPPING DOCUMENT IN HALF AND PLACE IT IN A WAYBILL POUCH AFFIXED TO YOUR SHIPMENT SO THAT THE BAR-CODE PORTION OF THE LABEL CAN BE READ AND SCANNED. ***WARNING: USE ONLY THE PRINTED ORIGINAL LABEL FOR SHIPPING. USING A PHOTOCOPY OF THIS LABEL FOR SHIPPING PURPOSES IS FRAUDULENT AND COULD RESULT IN ADDITIONAL BILLING CHARGES, ALONG WITHTHE CANCELLATION OF YOUR FEDEX ACCOUNT NUMBER.

From: Origin ID: DSVA (518) 786-7400

C.T. MALE ASOCIATES, P.C.
50 CENTURY HILL DRIVE

LATHAM, NY 12110

CLS022306M16H19

Ship Date: 12DEC06
ActWgt: 31.0 LB MAN
System#: 148351/CAFE2308
Account#: S 012200374

REF:

Delivery Address Bar Code

12-12-06 10:15

SHIP TO: (908) 789-8900 BILL SENDER

SAMPLE RECEIVING
CHEMTECH
284 SHEFFIELD STREET

MOUNTAINSIDE, NJ 07092

STANDARD OVERNIGHT

WED
Deliver By:
13DEC06

TRK# 7298 8929 5320

FORM 0201

EWR A1

07092 -NJ-US

Z3 KBCA

CHEMTECH

284 Sheffield Street Mountainside, NJ 07092
Tel . (908) 789-8900 Fax (908) 789-8922

END OF ANALYTICAL RESULTS

APPENDIX C

DATA VALIDATOR'S
DATA USABILITY SUMMARY REPORT

C.T. MALE ASSOCIATES, P.C.

SUBJECT: Data Usability Summary Report (DUSR)
714 Broadway Site, City of Schenectady, NY – Soil Vapor Intrusion Monitoring
Chemtech SDG No.: X5778
C.T. Male Project No.: 05.5086

DATE: January 9, 2007

On December 12, 2006 C.T. Male Associates P.C. (C. T. Male) collected three (3) soil vapor samples from the 714 Broadway Site in the City of Schenectady, NY. The samples were submitted to Chemtech Laboratories (Chemtech) in Mountainside, NJ for the following analyses:

Parameter	Sample Date	VOC, EPA TO15
Sample Ids		
SV-1	12/12/2006	1
SV-2	12/12/2006	1
SV-3	12/12/2006	1
Total Samples		**3**

VOC – Volatile organic compounds
EPA – Environmental Protection Agency

C. T. Male evaluated the data reported by the laboratory to determine usability per Appendix B of the *Draft DER-10 Technical Guidance for Site Investigation and Remediation* (NYSDEC, December 2002), with guidance from the *USEPA Region 2 SOP HW-18* (August 1994) and *USEPA CLP National Functional Guidelines for Organic Data Review* (October 1999). The following criteria were reviewed:

- Completeness of data package as defined under the requirements for the NYSDEC ASP Category B or USEPA CLP deliverables;
- Holding time compliance for chemical analysis;
- Protocol required limits and specification compliance for quality control (QC) data (e.g., instrument tuning, calibration standards, blank results, spike results, duplicate results, etc);
- Contract compliance for analytical protocols;
- Omissions and transcription errors; and
- Data qualification.

Data Completeness

All documentation required by the project was included in the data package. There were no discrepancies found between the raw data and summary forms. The laboratory Case Narrative (Attachment A) identified all deviations from laboratory analytical specifications. C.T. Male reviewed these QC results to determine if sample results should be qualified based on the criteria provided in Appendix 2B of the *Technical Guidance for Site Investigation and Remediation*. QC exceedences and data qualification recommendations are presented in the Organic Data Evaluation Checklist (Attachment B). Qualified sample results are presented in the laboratory summary forms, which are located in Attachment C.

QC exceedences and data qualification recommendations are presented below.

It is recommended that sample results which were reported by the laboratory as exceeding the calibration range (E-flagged), be reported from the analysis at the lowest dilution with results within calibration range.

Sample Condition upon Receipt and Holding Times

Chemtech received all the samples listed on the chain of custody (COC) record intact, in good condition and at an ambient temperature.

The samples were prepared and analyzed within EPA-established holding times.

Volatile Organic Analyses (VOA) by EPA Method TO15

All samples were analyzed within 12 hours of the performance check standard, BFB. Percent relative abundance of all ions met the criteria specified in Table 3 of the EPA Method TO15. Laboratory specifications were met during the initial calibration associated with the project samples. In addition the average relative response factor (RRF) was greater than or equal to 0.05 for target analytes and the percent relative standard deviation (%RSD) between RRF was less than or equal to 30% during the initial calibration except benzyl chloride and 1,2,4-trichlorobenzene exceeded 30% RSD. The associated results have been qualified as estimated (J/UJ) due to poor correlation in the calibration standards.

Surrogate recoveries and internal standard results met laboratory specifications for project samples.

The percent recovery results for laboratory control sample (LCS) analysis was within laboratory specifications for target analytes except dichlorodifluoromethane, trans-1,3-dichloropropene and styrene exceeded specifications. The associated detected results have been qualified as estimated (J) due to analytical inaccuracy.

A method blank was reported for each analytical batch. Hexachloro-1,3-butadiene was detected during the analysis of the method blank. An action level was developed by multiplying the highest concentration observed by a factor of 5 for hexachloro-1,3-butadiene. Results in the associated samples reported below the action level have been have been qualified as non-detect (U) and the detection limit has been elevated to the amount detected in the sample.

Summary

Overall, data quality objectives for the 714 Broadway Site project were met, as there were no data deficiencies that would indicate the need for re-sampling. The analytical results are usable with the qualification of results as described in this DUSR. No analytical data has been rejected.

Megan Drosky
Environmental Scientist

ATTACHMENT A
Case Narrative

CHEMTECH

CASE NARRATIVE

C.T. Male & Associates
Project Name: soil Gas- 714 Broadway
Project # N/A
Chemtech Project # X5778

A. Number of Samples and Date of Receipt:
3 Air samples were received on 12/13/06.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: TO-15. This data package contains results for TO-15.

C. Analytical Techniques:
The analysis performed on instrument MSVOA L were done using GC column RTX-1, which is 60 meters, 0.32 ID, 1.0 um df, Restek Cat. #10157. The Trap was supplied by Entech, glass bead and Tenax , Entech 7100A Preconcentrator.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds except for Propene, Vinyl Acetate, t-1,3-Dichloropropene, m/p-Xylene, o-Xylene, Styrene, 1,3,5-Trimethylbenzene, 1,2,4-Trimethylbenzene, Hexachloro-1,3-Butadiene and 1,2,4-Trichlorobenzene.
The MSD recoveries met the acceptable requirements except for Propene, Trichlorofluoromethane, 1,3-Butadiene, Isopropyl Alcohol, 1,4-Dioxane, 4-Methyl-2-Pentanone, 2-Hexanone, Styrene, Hexachloro-1,3-Butadiene and 1,2,4-Trichlorobenzene.
The RPD recoveries met criteria except for Dichlorodifluoromethane, Dichlorotetrafluoroethane, Propene, Trichlorofluoromethane, Isopropyl Alcohol, Bromomethane, Acetone, 1,1-Dichloroethene, Hexane, 1,4-Dioxane, 4-Methyl-2-Pentanone, 2-Hexanone, Hexachloro-1,3-Butadiene and 1,2,4-Trichlorobenzene.
The Blank Spike met requirements for all samples except for Dichlorodifluoromethane, t-1,3-Dichloropropene and Styrene.
The Blank analysis indicated presence of Hexachloro-1,3-Butadiene (0.1 ppbv) due to possible lab contamination.
The %RSD is greater than 30 for Styrene and Linear Regression was performed for Benzyl Chloride , 4-Ethyltoluene and 1,2,4-Trichlorobenzene in the Initial Calibration.
The Tuning criteria met requirements.

E. Additional Comments:
Samples SV-2 and SV-3 were diluted due to high concentrations.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature Mildred V Reyes Name: Mildred Reyes

Date: 1/5/07 Title: QA/QC

ATTACHMENT B
Data Evaluation Checklist

Data Evaluation Checklist
Organic Analyses

Project: 714 Broadway Site, City of Schenectady, NY
SDG No.: X5778
Laboratory: Chemtech

Reviewer: Megan Drosky

Project No: 05.5086
Method: EPA TO-15 (VOA)
Associated Sample IDs: SV-1, SV-2 and SV-3
Sample Date: 12/12/06
Date: 01/09/07

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
1. Were holding times met?	✓			≤30 days	
2. Were sample storage and preservation requirements met?	✓			Ambient	
3. Was a method blank analyzed with each batch?	✓			VBL1218A1	
4. Were target analytes reported in the method or calibration blanks above the Detection Limit?	✓			Hexachloro-1,3-butadiene @1.28 µg/M^3 (DL = 0.1)	
5. Were target analytes reported in field blank analyses (e.g., trip, ~~ambient, field, or equipment~~) above the DL?		✓			
6. Were contaminants detected in samples below the blank contamination action level?		✓		Hexachloro-1,3-butadiene @6.4 µg/M^3 (1.28 x 5)	ND, U
7. Were initial and continuing calibration standards analyzed at the lab-specified frequency for each instrument?	✓			• VOA o Initial calibration: 12/18/06	
8. Were these results within lab or project specifications?		✓		Initial Calibration of 12/18/06. The RF >0.05 and %RSD between response factors was less than 30% for all target analytes except benzyl chloride (35.11%RSD) and 1,2,4-trichlorobenzene (56.53%RSD). J/UJ	J/UJ
9. Were the results of the ICS Check Standard analysis within 80-120% of the true value (metals only)?			✓		
10. Was a CRDL Standard analyzed for metals?			✓		
11. Were recoveries within 75-125% of the true value during the CRDL analysis (CRA, CRI)?			✓		
12. Was a LCS analyzed with each batch?	✓			BSL1218A1	
13. Were LCS' recoveries within lab specifications?		✓		• Dichlorodifluoromethane @136%R (65-135). J+ • Trans-1,3-Dichloropropene @142%R (65-135). J+ • Styrene @148%R (65-135). J+	J+

Data Evaluation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
14. Were LCS/LCSD RPD within lab specifications?			✓	LCS only	
15. Was a MS/MSD pair analyzed with each batch?	✓			X5886-03 (Batch Sample)	
16. Is the MS/MSD parent sample a project-specific sample?		✓			
17. Were MS/MSD recoveries within lab specifications? *Only QC results for project samples are evaluated.*			✓		
18. Were MS/MSD RPD within lab specifications? *Only QC results for project samples are evaluated.*			✓		
19. Was a serial dilution conducted on each inorganic batch?			✓		
20. Is the serial dilution parent sample a project-specific sample?			✓		
21. Is the percent difference between the serially diluted result and undiluted result less than 10% (for those analytes with native concentrations greater than 50x the DL)? *Only QC results for project samples are evaluated.*			✓		
22. Was a laboratory duplicate analyzed with each batch?		✓			
23. Is the laboratory duplicate sample a project-specific sample?			✓		
24. Does laboratory duplicate results meet lab specifications? *Only QC results for project samples are evaluated.*			✓		
25. Were surrogate recoveries within lab specifications during organic analysis?	✓				
26. Were internal standard results within lab specifications during the VOA?	✓				
27. Were TIC reported and were reported results qualified as estimated concentrations?		✓			
28. Were field duplicate samples submitted to the laboratory for analysis?		✓			
29. Was precision deemed acceptable as defined by DV Guidelines?			✓		
30. Were laboratory-generated Corrective Action Reports (i.e., QCER) issued? If yes, summarize contents or attach copy of the report.		✓			
31. Were lab comments included in report? If yes, summarize contents or attach a copy of the narrative.	✓			Refer to Case Narrative	

Data Evaluation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag

Comments:

Analyte concentrations greater than the calibration range, which are represented in the laboratory report E-flagged, are not as accurate as those results obtained from a diluted analysis that fall within the calibration range. The E-flagged data is considered unusable (R) since data that is more accurate is available.

The data review process was modeled after the EPA Region 2 Data Validation Guidelines for unusable data and Appendix 2B, Guidance for the Development of Data Usability Summary Reports, of *Draft DER-10 Technical Guidance for Site Investigation and Remediation* (NYSDEC, December 2002).

Key:

J Positive sample result is considered estimated
R Unusable data
R+ Positive sample result is considered unusable
U Not present above the associated level; blank contamination exists
UJ Sample result is not detected and the detection limit is considered estimated
ND Sample result is not detected
N A "tentative identification" has been made of the presence of an analyte

ATTACHMENT C
Qualified Sample Results

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-1**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-01**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121821.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
TARGETS					
75-71-8	Dichlorodifluoromethane	1.68	J	0.49	0.15
74-87-3	Chloromethane	0.29		0.2	0.06
75-01-4	Vinyl Chloride	0.26	U	0.26	0.08
74-83-9	Bromomethane	0.39	U	0.39	0.09
75-00-3	Chloroethane	0.27	U	0.27	0.06
75-69-4	Trichlorofluoromethane	1.01		0.56	0.23
67-63-0	Isopropyl Alcohol	3.8		0.49	0.34
76-14-2	Dichlorotetrafluoethane	0.7	U	0.7	0.2
76-13-1	1,1,2-Trichlorotrifluoroethane	0.76	U	0.76	0.18
593-60-2	Bromoethene	0.44	U	0.44	0.18
115-07-1	Propene	2.3		0.86	0.08
142-82-5	Heptane	3.35		0.41	0.11
75-35-4	1,1-Dichloroethene	0.4	U	0.4	0.13
141-78-6	Ethyl Acetate	22.9		0.36	0.08
67-64-1	Acetone	44.1		0.47	0.31
75-15-0	Carbon disulfide	0.81		0.31	0.07
1634-04-4	Methyl tert-butyl Ether	0.36	U	0.36	0.15
75-09-2	Methylene Chloride	3.27		0.7	0.16
107-05-1	Allyl Chloride	0.31	U	0.31	0.08
156-60-5	trans-1,2-Dichloroethene	0.4	U	0.4	0.15
108-05-4	Vinyl Acetate	0.35	U	0.35	0.09
75-34-3	1,1-Dichloroethane	0.4	U	0.4	0.12
110-82-7	Cyclohexane	2.45		0.34	0.23
78-93-3	2-Butanone	2.09		0.59	0.21
56-23-5	Carbon Tetrachloride	0.63	U	0.63	0.38
156-59-2	cis-1,2-Dichloroethene	0.4	U	0.4	0.17
67-66-3	Chloroform	0.49	U	0.49	0.11
123-91-1	1,4-Dioxane	0.72	U	0.72	0.19
71-55-6	1,1,1-Trichloroethane	0.54	U	0.54	0.15
109-99-9	Tetrahydrofuran	2.44		0.59	0.18
540-84-1	2,2,4-Trimethylpentane	1.54		0.47	0.12

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

Sample results have been qualified by C.T. Male Associates, P.C. based on the results of the data review process, which is modeled after the EPA Region 2 Data Validation Guidelines for unusable data and Appendix 2B, Guidance for the Development of Data Usability Summary Reports, of *Draft DER-10 Technical Guidance for Site Investigation and Remediation* (NYSDEC. December 2002).

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-1**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-01**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121821.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
71-43-2	Benzene	9.06		0.32	0.1
107-06-2	1,2-Dichloroethane	0.4	U	0.4	0.26
79-01-6	Trichloroethene	0.54	U	0.54	0.21
78-87-5	1,2-Dichloropropane	0.46	U	0.46	0.25
75-27-4	Bromodichloromethane	0.67	U	0.67	0.23
108-10-1	4-Methyl-2-Pentanone	0.82	U	0.82	0.25
108-88-3	Toluene	39.6		0.38	0.2
10061-02-6	t-1,3-Dichloropropene	0.45	U	0.45	0.21
10061-01-5	cis-1,3-Dichloropropene	0.45	U	0.45	0.11
79-00-5	1,1,2-Trichloroethane	0.54	U	0.54	0.23
591-78-6	2-Hexanone	0.82	U	0.82	0.16
124-48-1	Dibromochloromethane	0.85	U	0.85	0.35
106-93-4	1,2-Dibromoethane	0.77	U	0.77	0.32
127-18-4	Tetrachloroethene	1.29		0.68	0.27
108-90-7	Chlorobenzene	0.46	U	0.46	0.22
100-41-4	Ethyl Benzene	3.69		0.43	0.15
126777-61-2	m/p-Xylene	15.9		0.87	0.36
95-47-6	o-Xylene	4.03		0.43	0.22
100-42-5	Styrene	1.23	J	0.43	0.17
75-25-2	Bromoform	1.03	U	1.03	0.36
79-34-5	1,1,2,2-Tetrachloroethane	0.69	U	0.69	0.32
108-67-8	1,3,5-Trimethylbenzene	0.79		0.49	0.27
95-63-6	1,2,4-Trimethylbenzene	1.87		0.49	0.24
622-96-8	4-Ethyltoluene	1.62		0.49	0.18
541-73-1	1,3-Dichlorobenzene	0.6	U	0.6	0.39
106-46-7	1,4-Dichlorobenzene	0.6	U	0.6	0.32
95-50-1	1,2-Dichlorobenzene	0.6	U	0.6	0.29
120-82-1	1,2,4-Trichlorobenzene	0.74	UJ	0.74	0.38
87-68-3	Hexachloro-1,3-butadiene	1.07	U	1.07	0.7
106-99-0	1,3-Butadiene	0.22	U	0.22	0.15
110-54-3	Hexane	7.21		0.7	0.08
100-44-7	Benzyl Chloride	0.58	UJ	0.58	0.2

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

Sample results have been qualified by C.T. Male Associates, P.C. based on the results of the data review process, which is modeled after the EPA Region 2 Data Validation Guidelines for unusable data and Appendix 2B, Guidance for the Development of Data Usability Summary Reports, of *Draft DER-10 Technical Guidance for Site Investigation and Remediation* (NYSDEC, December 2002).

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-1**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-01**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121821.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
SURROGATES					
460-00-4	1-Bromo-4-Fluorobenzene	2.29	92 %	65 - 135	
INTERNAL STANDARDS					
74-97-5	Bromochloromethane	142307	7.01		
540-36-3	1,4-Difluorobenzene	331808	8.61		
3114-55-4	Chlorobenzene-d5	275198	13.68		

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

Sample results have been qualified by C.T. Male Associates, P.C. based on the results of the data review process, which is modeled after the EPA Region 2 Data Validation Guidelines for unusable data and Appendix 2B, Guidance for the Development of Data Usability Summary Reports, of *Draft DER-10 Technical Guidance for Site Investigation and Remediation* (NYSDEC, December 2002).

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-2**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-02**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121823.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
TARGETS					
75-71-8	Dichlorodifluoromethane	1.83	J	0.49	0.15
74-87-3	Chloromethane	0.2	J	0.2	0.06
75-01-4	Vinyl Chloride	0.26	U	0.26	0.08
74-83-9	Bromomethane	0.39	U	0.39	0.09
75-00-3	Chloroethane	0.27	U	0.27	0.06
75-69-4	Trichlorofluoromethane	1.06		0.56	0.23
67-63-0	Isopropyl Alcohol	5.52		0.49	0.34
76-14-2	Dichlorotetrafluoethane	0.7	U	0.7	0.2
76-13-1	1,1,2-Trichlorotrifluoroethane	0.76	U	0.76	0.18
593-60-2	Bromoethene	0.44	U	0.44	0.18
115-07-1	Propene	6.89		0.86	0.08
142-82-5	Heptane	3.89		0.41	0.11
75-35-4	1,1-Dichloroethene	0.4	U	0.4	0.13
141-78-6	Ethyl Acetate	71.4		0.36	0.08
67-64-1	Acetone	51 ~~63.6~~	~~B~~	~~0.47~~	~~0.31~~
75-15-0	Carbon disulfide	0.99		0.31	0.07
1634-04-4	Methyl tert-butyl Ether	0.36	U	0.36	0.15
75-09-2	Methylene Chloride	3.55		0.7	0.16
107-05-1	Allyl Chloride	0.31	U	0.31	0.08
156-60-5	trans-1,2-Dichloroethene	0.4	U	0.4	0.15
108-05-4	Vinyl Acetate	0.35	U	0.35	0.09
75-34-3	1,1-Dichloroethane	0.4	U	0.4	0.12
110-82-7	Cyclohexane	3.22		0.34	0.23
78-93-3	2-Butanone	3.27		0.59	0.21
56-23-5	Carbon Tetrachloride	0.63	U	0.63	0.38
156-59-2	cis-1,2-Dichloroethene	0.4	U	0.4	0.17
67-66-3	Chloroform	0.49	U	0.49	0.11
123-91-1	1,4-Dioxane	0.72	U	0.72	0.19
71-55-6	1,1,1-Trichloroethane	0.54	U	0.54	0.15
109-99-9	Tetrahydrofuran	1.3		0.59	0.18
540-84-1	2,2,4-Trimethylpentane	2.14		0.47	0.12

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

Sample results have been qualified by C.T. Male Associates, P.C. based on the results of the data review process, which is modeled after the EPA Region 2 Data Validation Guidelines for unusable data and Appendix 2B, Guidance for the Development of Data Usability Summary Reports, of *Draft DER-10 Technical Guidance for Site Investigation and Remediation* (NYSDEC, December 2002).

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-2**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-02**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121823.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
71-43-2	Benzene	11.5		0.32	0.1
107-06-2	1,2-Dichloroethane	0.4	U	0.4	0.26
79-01-6	Trichloroethene	0.54	U	0.54	0.21
78-87-5	1,2-Dichloropropane	0.46	U	0.46	0.25
75-27-4	Bromodichloromethane	0.67	U	0.67	0.23
108-10-1	4-Methyl-2-Pentanone	0.82	U	0.82	0.25
108-88-3	Toluene	51.6		0.38	0.2
10061-02-6	t-1,3-Dichloropropene	0.45	U	0.45	0.21
10061-01-5	cis-1,3-Dichloropropene	0.45	U	0.45	0.11
79-00-5	1,1,2-Trichloroethane	0.54	U	0.54	0.23
591-78-6	2-Hexanone	0.82	U	0.82	0.16
124-48-1	Dibromochloromethane	0.85	U	0.85	0.35
106-93-4	1,2-Dibromoethane	0.77	U	0.77	0.32
127-18-4	Tetrachloroethene	0.68	U	0.68	0.27
108-90-7	Chlorobenzene	0.46	U	0.46	0.22
100-41-4	Ethyl Benzene	3.69		0.43	0.15
126777-61-2	m/p-Xylene	13.7		0.87	0.36
95-47-6	o-Xylene	3.21		0.43	0.22
100-42-5	Styrene	0.85	J	0.43	0.17
75-25-2	Bromoform	1.03	U	1.03	0.36
79-34-5	1,1,2,2-Tetrachloroethane	0.69	U	0.69	0.32
108-67-8	1,3,5-Trimethylbenzene	0.49	U	0.49	0.27
95-63-6	1,2,4-Trimethylbenzene	0.74		0.49	0.24
622-96-8	4-Ethyltoluene	1.37		0.49	0.18
541-73-1	1,3-Dichlorobenzene	0.6	U	0.6	0.39
106-46-7	1,4-Dichlorobenzene	0.6	U	0.6	0.32
95-50-1	1,2-Dichlorobenzene	0.6	U	0.6	0.29
120-82-1	1,2,4-Trichlorobenzene	0.74	UJ	0.74	0.38
87-68-3	Hexachloro-1,3-butadiene	1.07	U	1.07	0.7
106-99-0	1,3-Butadiene	0.22	U	0.22	0.15
110-54-3	Hexane	8.62		0.7	0.08
100-44-7	Benzyl Chloride	0.58	UJ	0.58	0.2

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

Sample results have been qualified by C.T. Male Associates, P.C. based on the results of the data review process, which is modeled after the EPA Region 2 Data Validation Guidelines for unusable data and Appendix 2B, Guidance for the Development of Data Usability Summary Reports, of *Draft DER-10 Technical Guidance for Site Investigation and Remediation* (NYSDEC, December 2002).

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Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-2**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-02**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121823.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
SURROGATES					
460-00-4	1-Bromo-4-Fluorobenzene	2.35	94 %	65 - 135	
INTERNAL STANDARDS					
74-97-5	Bromochloromethane	131232	7.01		
540-36-3	1,4-Difluorobenzene	301065	8.61		
3114-55-4	Chlorobenzene-d5	287490	13.68		

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Report of Analysis

Client:	C.T. Male & Associates	**Date Collected:**	12/12/2006
Project:	soil Gas- 714 Broadway	**Date Received:**	12/13/2006
Client Sample ID:	SV-3	**SDG No.:**	X5778
Lab Sample ID:	X5778-03	**Matrix:**	AIR
Analytical Method:	EPA TO-15	**Sample Vol: ml**	400.0

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121825.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
TARGETS					
75-71-8	Dichlorodifluoromethane	1.78	J	0.49	0.15
74-87-3	Chloromethane	0.51		0.2	0.06
75-01-4	Vinyl Chloride	0.26	U	0.26	0.08
74-83-9	Bromomethane	0.39	U	0.39	0.09
75-00-3	Chloroethane	0.27	U	0.27	0.06
75-69-4	Trichlorofluoromethane	1.12		0.56	0.23
67-63-0	Isopropyl Alcohol	5.77		0.49	0.34
76-14-2	Dichlorotetrafluoethane	0.7	U	0.7	0.2
76-13-1	1,1,2-Trichlorotrifluoroethane	0.76	U	0.76	0.18
593-60-2	Bromoethene	0.44	U	0.44	0.18
115-07-1	Propene	0.86	U	0.86	0.08
142-82-5	Heptane	1.27		0.41	0.11
75-35-4	1,1-Dichloroethene	0.4	U	0.4	0.13
141-78-6	Ethyl Acetate	210222	E	0.36	0.08
67-64-1	Acetone	31.5		0.47	0.31
75-15-0	Carbon disulfide	0.31	U	0.31	0.07
1634-04-4	Methyl tert-butyl Ether	0.36	U	0.36	0.15
75-09-2	Methylene Chloride	5.67		0.7	0.16
107-05-1	Allyl Chloride	0.31	U	0.31	0.08
156-60-5	trans-1,2-Dichloroethene	0.4	U	0.4	0.15
108-05-4	Vinyl Acetate	0.35	U	0.35	0.09
75-34-3	1,1-Dichloroethane	0.4	U	0.4	0.12
110-82-7	Cyclohexane	1.88		0.34	0.23
78-93-3	2-Butanone	0.59	U	0.59	0.21
56-23-5	Carbon Tetrachloride	0.63	U	0.63	0.38
156-59-2	cis-1,2-Dichloroethene	0.4	U	0.4	0.17
67-66-3	Chloroform	0.49	U	0.49	0.11
123-91-1	1,4-Dioxane	0.72	U	0.72	0.19
71-55-6	1,1,1-Trichloroethane	0.54	U	0.54	0.15
109-99-9	Tetrahydrofuran	0.59	J	0.59	0.18
540-84-1	2,2,4-Trimethylpentane	0.98		0.47	0.12

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Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-3**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-03**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121825.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
71-43-2	Benzene	6.92		0.32	0.1
107-06-2	1,2-Dichloroethane	0.4	U	0.4	0.26
79-01-6	Trichloroethene	0.54	U	0.54	0.21
78-87-5	1,2-Dichloropropane	0.46	U	0.46	0.25
75-27-4	Bromodichloromethane	0.67	U	0.67	0.23
108-10-1	4-Methyl-2-Pentanone	0.82	U	0.82	0.25
108-88-3	Toluene	15.6		0.38	0.2
10061-02-6	t-1,3-Dichloropropene	0.45	U	0.45	0.21
10061-01-5	cis-1,3-Dichloropropene	0.45	U	0.45	0.11
79-00-5	1,1,2-Trichloroethane	0.54	U	0.54	0.23
591-78-6	2-Hexanone	0.82	U	0.82	0.16
124-48-1	Dibromochloromethane	0.85	U	0.85	0.35
106-93-4	1,2-Dibromoethane	0.77	U	0.77	0.32
127-18-4	Tetrachloroethene	0.68	U	0.68	0.27
108-90-7	Chlorobenzene	0.46	U	0.46	0.22
100-41-4	Ethyl Benzene	0.43	U	0.43	0.15
126777-61-2	m/p-Xylene	0.87	U	0.87	0.36
95-47-6	o-Xylene	0.43	U	0.43	0.22
100-42-5	Styrene	0.43	U	0.43	0.17
75-25-2	Bromoform	1.03	U	1.03	0.36
79-34-5	1,1,2,2-Tetrachloroethane	0.69	U	0.69	0.32
108-67-8	1,3,5-Trimethylbenzene	0.49	U	0.49	0.27
95-63-6	1,2,4-Trimethylbenzene	0.49	U	0.49	0.24
622-96-8	4-Ethyltoluene	0.49	U	0.49	0.18
541-73-1	1,3-Dichlorobenzene	0.6	U	0.6	0.39
106-46-7	1,4-Dichlorobenzene	0.6	U	0.6	0.32
95-50-1	1,2-Dichlorobenzene	0.6	U	0.6	0.29
120-82-1	1,2,4-Trichlorobenzene	0.74	UJ	0.74	0.38
87-68-3	Hexachloro-1,3-butadiene	1.07	U	1.07	0.7
106-99-0	1,3-Butadiene	0.22	U	0.22	0.15
110-54-3	Hexane	5.94		0.7	0.08
100-44-7	Benzyl Chloride	0.58	UJ	0.58	0.2

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Report of Analysis

Client:	**C.T. Male & Associates**	**Date Collected:**	**12/12/2006**
Project:	**soil Gas- 714 Broadway**	**Date Received:**	**12/13/2006**
Client Sample ID:	**SV-3**	**SDG No.:**	**X5778**
Lab Sample ID:	**X5778-03**	**Matrix:**	**AIR**
Analytical Method:	**EPA TO-15**	**Sample Vol: ml**	**400.0**

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VL121825.D	1	12/19/2006	121806

CAS Number	Parameter	Conc. ug/M3	Qualifier	RL ug/M3	MDL. ug/M3
SURROGATES					
460-00-4	1-Bromo-4-Fluorobenzene	2.1	84 %	65 - 135	
INTERNAL STANDARDS					
74-97-5	Bromochloromethane	150101	7.01		
540-36-3	1,4-Difluorobenzene	380490	8.62		
3114-55-4	Chlorobenzene-d5	327756	13.68		

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