ENVIRONMENTAL RESOURCES MANAGEMENT

Final Report

New York State Department of Health

March 2005 Quarterly Ground Water Monitoring Report

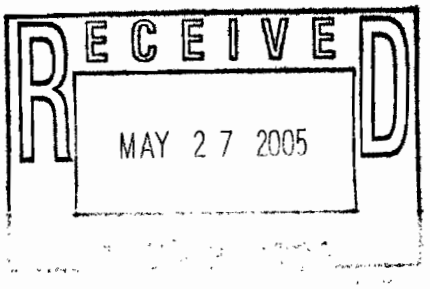
David Axelrod Institute Site
(Site No.:401031)
Albany, New York

20 April 2005

Environmental Resources Management
5788 Widewaters Parkway
Dewitt, New York 13214

ERM

Final Report



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APPENDICES

Section 1

1.0 *INTRODUCTION*

This report presents the data from the March 2005 ground water sampling activities at the Axelrod Institute Site located at 120 New Scotland Avenue in Albany, New York (the "Site"). A site location map is included as Figure 1, Attachment A. The Site has been identified by the New York State Department of Environmental Conservation (NYSDEC) as an inactive hazardous waste site (Site Identification No. 401031). The Site was previously part of a ground water monitoring program pursuant to an Order on Consent, Index No. A4-0304-93-07, entered into between the New York State Department of Health (NYSDOH) and the NYSDEC effective 27 August 1993 (the "Consent Order").

In a letter dated 8 October 2003, Environmental Resources Management (ERM) proposed modifications to the Consent Order and presented a redefined scope of work for the Site. The NYSDOH and the NYSDEC agreed to the proposal, which includes monitoring and sampling the wells every fifth quarter and the submission of follow-up letter reports to the NYSDOH. The most recent ground water sampling event and follow-up report preparation were conducted pursuant to the agreed upon modifications to the Consent Order.

Section 2

2.0 GROUND WATER SAMPLING

Pursuant to the NYSDEC-approved monitoring plan, ERM will collect groundwater samples at the Site every fifth quarter. The first round of ground water sampling at the Site was conducted in December 2003, followed by the second round of sample collection in March 2005. ERM will complete the final rounds of ground water sampling at the Site in June 2006 and September 2007.

On 2 March 2005, ERM collected the quarterly ground water samples from three shallow ground water monitoring wells, MW-8S, MW-9S, and MW-11S, located at the Site. In September 2004, ERM visited the Site in an attempt to locate monitoring well MW-10S, which was previously buried beneath a large snowbank and could not be located during the December 2003 sampling event. ERM could not locate MW-10S during the September 2004 visit to the Site. Based on the well's location in the facility parking lot, ERM concluded that the well was destroyed as a result of plowing operations at the Site. A site layout map showing the locations of the three sampled shallow ground water monitoring wells is included as Figure 2, Attachment A.

An ERM geologist collected static water level measurements and well depth measurements from the shallow monitoring wells using an electronic water level indicator, which was washed with a Liquinox solution and rinsed with distilled water between measurement locations. The reference point used for all water level measurements was the top of the well casing.

Prior to sampling, a minimum of three well volumes was purged from each well and various field parameters, including temperature, pH, turbidity, specific conductivity, oxidation-reduction potential, and dissolved oxygen, were collected from each well using a Horiba U-22 multi-meter.

Monitoring wells MW-8S and MW-11S were previously sampled using dedicated Teflon tubing equipped with a foot valve. Due to breaks in the Teflon tubing, ERM replaced the Teflon tubing and foot valves within wells MW-8S and MW-11S with dedicated disposable bailers, which were then used to collect the ground water samples. Monitoring well MW-9S was also sampled using a dedicated disposable bailer. A blind field duplicate was collected at MW-9S. All samples were transferred into clean, laboratory-

supplied containers and placed into a chilled, thermally insulated cooler immediately after collection. Samples were delivered to the project laboratory by Federal Express within 48 hours of sample collection and chain of custody procedures were followed during all sample handling and transport.

Ground water samples collected on 2 March 2005 were analyzed by Spectrum Analytical, Inc. (Spectrum) in Agawam, Massachusetts. Spectrum is a New York State Department of Health-approved environmental laboratory.

Section 3

3.0 *ANALYTICAL RESULTS*

Ground water samples collected from the monitoring wells were analyzed for Target Compound List Volatile Organic Compounds (TCL VOCs) by USEPA Method 8260B in accordance with the 1995 NYSDEC Analytical Services Protocol (ASP) Category B deliverable guidelines. A sample summary table is included as Table 1, Attachment B. Ground water sampling records are included in Attachment C. Validated analytical sample results along with the Data Validation Review performed by ERM's in-house chemist are included as Attachment D. A copy of the laboratory analytical report is included as Attachment E.

Laboratory analytical data from the 2 March 2005 sampling event indicate that VOC's were not detected in the ground water samples collected from shallow monitoring wells MW-8S and MW-9S. One VOC, methyl tert-butyl ether (MTBE), was detected in the ground water sample collected from shallow ground water monitoring well MW-11S at a concentration of 2.1 micrograms per liter (µg/L). This concentration is below the NYSDEC Ambient Water Quality Guidance Value for MTBE, which is 10 µg/L.

4.0 *GROUND WATER ELEVATIONS*

ERM previously collected well elevations for MW-8S, MW-9S, and MW-11S during the 22 December 2003 sampling event. These well elevations, along with the 2 March 2005 depth-to-water measurements for each well, were used to calculate relative ground water elevations for the Site (Table 2, Attachment B). A ground water contour map (Figure 2, Attachment A) was compiled using the water level data for the three sampled shallow monitoring wells.

The ground water contour map indicates that the flow direction of shallow ground water on 2 March 2005 was generally South from MW-9S, North from MW-11S, and West from MW-8S. This direction of water flow is towards the location of the original contaminant disposal location, which is acting as a type of sink for the surrounding upgradient areas. Therefore, it is unlikely that there will be migration of the contaminants since the contaminated area has the lowest localized elevation.

GROUND WATER SAMPLING RECORD

SITE Axelrod Facility DATE 2 March 2005

PROJECT NUMBER: 0028595

SAMPLE ID: AX-MW-8S (030205)

WELL ID: MW-8S

SAMPLERS:	Time Onsite:	Time Offsite:
D. Myers	0800	1300
M. Smith	1000	1300

Depth of well (from top of casing) ..... 17.95 ft. Time: 1116

Static water level (from top of casing) ..... 5.02 ft. Time: 1116

Water level after purging (from top of casing) ..... Time:

Water level before sampling (from top of casing) ..... Time:

Purging Method: ② bailer

___ Airlift ● ① ___ Low-Flow Pump

X Bailer (Waterra) ___ Peristaltic Pump

___ Submersible ___ Ded. Pump

w/ foot valve

Well Volume Calculation:

		1 volume	3 volumes
2 in. well:	12.93 ft. of water x 0.16 =	2.1 gal.	x 3 = 6.2 gal.
3 in. well:	___ ft. of water x 0.36 =	___ gal.	x 3 = ___ gal.
4 in. well:	___ ft. of water x 0.65 =	___ gal.	x 3 = ___ gal.
6 in. well:	___ ft. of water x 1.47 =	___ gal.	x 3 = ___ gal.

Volume of water removed: 10 gal. (1 gal. + 11 gal. total)

>3 volumes: yes ✓ no ___ purged dry? yes ___ no ✓

Field Tests:

	pH	Cond.	Turb.	DO	Temp.	DEP	SAL	TDS	ORP
units	-	mg/cm	NTU	g/L	©F	-	-	g/L	mV
Initial									
1 Volume									
2 Volumes									
3 Volumes	6.77	1.87	999	5.32	10.75	—	—	—	27

Sampling

Time of Sample Collection: 1210

Collection Method:		Analyses:		Analytical Method:
X	Disposable bailer	X	VOCs -	8260 X 503.1 ___ Other ___
___	Teflon bailer	___	SVOCs	
___	Dedicated pump	___	Metals	
___	Submersible Pump	___	PCB/Pest	
___	Low-Flow Sampling	___	MNA	
___	Other: ___	___	Other	

Observations

Weather/Temperature: N, NW wind @ 10-20mph; 25° F; Cloudy w/ some sun

Sample Description: brown, cloudy

Free Product? yes ___ no X describe ___

Sheen? yes ___ no X describe ___

Odor? yes X no ___ describe formaldehyde-like odor (sweet smell)

Comments:

Cover missing from well. Needs to be replaced. Also, Waterra replaced w/ bailer. Replace poly during next sampling event.

GROUND WATER SAMPLING RECORD

SITE Axelrod Facility DATE 2 March 2005

PROJECT NUMBER: 0028595

SAMPLE ID : AX. MW-11S (030205)

WELL ID : MW-11S

SAMPLERS :	Time Onsite:	Time Offsite:
D. Myers	0800	1300
M. Smith	1000	1300

Depth of well (from top of casing) ..... 16.16 ft. Time: 1134

Static water level (from top of casing) ..... 7.85 ft. Time: 1134

Water level after purging (from top of casing) ..... Time:

Water level before sampling (from top of casing) ..... Time:

Purging Method: (2) bailer

___ Airlift (1) ___ Low-Flow Pump

X Bailer (Wattera) ___ Peristaltic Pump

___ Submersible ___ Ded. Pump

w/ foot valve

Volume of water removed: 7.5 gal. (9 gal. total) 1.5 gallons

>3 volumes: yes X no ___ purged dry? yes ___ no X

Well Volume Calculation:

		1 volume	3 volumes
2 in. well:	8.31 ft. of water x 0.16 =	1.3 gal.	x 3 = 4.0 gal.
3 in. well:	___ ft. of water x 0.36 =	___ gal.	x 3 = ___ gal.
4 in. well:	___ ft. of water x 0.65 =	___ gal.	x 3 = ___ gal.
6 in. well:	___ ft. of water x 1.47 =	___ gal.	x 3 = ___ gal.

Field Tests:

	pH	Cond.	Turb.	DO	Temp.	DEP	SAL	TDS	ORP
units	-	mg/cm	NTU	g/L	(C) F	-	-	g/L	mV
Initial									
1 Volume									
2 Volumes									(ORP)
3 Volumes	7.01	1.12	999	8.37	10.06	—	—	—	205

Sampling

Time of Sample Collection: 1230

Collection Method:		Analyses:		Analytical Method:			
X	Disposable bailer	X	VOCs -	8260 X	503.1 ___	Other ___	
___	Teflon bailer	___	SVOCs				
___	Dedicated pump	___	Metals				
___	Submersible Pump	___	PCB/Pest				
___	Low-Flow Sampling	___	MNA				
___	Other: ___	___	Other				

Observations

Weather/Temperature: N, NW wind @ 10-20 mph; 75°F, Cloudy w/ some sun

Sample Description: Brown, cloudy

Free Product? yes ___ no X describe ___

Sheen? yes ___ no X describe ___

Odor? yes ___ no X describe ___

Comments:

Lock on well needs to be replaced. Wattera replaced w/ bailer. Poly tied to bailer needs to be replaced during next sampling event.

GROUND WATER SAMPLING RECORD

SITE Axelrod Facility DATE 2 March 2005
PROJECT NUMBER: 0028595
SAMPLE ID: AX-MW-9S (030205)
WELL ID: MW-9S

SAMPLERS:	Time Onsite:	Time Offsite:
D. Myers	0800	1300
M. Smith	1000	1300

Depth of well (from top of casing) ..... 19.76 ft. Time: 1005
Static water level (from top of casing) ..... 6.64 ft. Time: 1005
Water level after purging (from top of casing) ..... Time:
Water level before sampling (from top of casing) ..... Time:

Purging Method:

___ Airlift	___ Low-Flow Pump	2 in. well: 13.12 ft. of water x 0.16 =	2.1 gal. x 3 = 6.3 gal.
X Bailer	___ Peristaltic Pump	3 in. well: ___ ft. of water x 0.36 =	___ gal. x 3 = ___ gal.
___ Submersible	___ Ded. Pump	4 in. well: ___ ft. of water x 0.65 =	___ gal. x 3 = ___ gal.
		6 in. well: ___ ft. of water x 1.47 =	___ gal. x 3 = ___ gal.

Well Volume Calculation: 1 volume 3 volumes

Volume of water removed: 8.5 gal. >3 volumes: yes X no ___ purged dry? yes ___ no X

Field Tests:

	pH	Cond.	Turb.	DO	Temp.	DEP	SAL	TDS	ORP
units	-	mg/cm	NTU	g/L	(C) F	-	-	g/L	mV
Initial									
1 Volume									
2 Volumes									(ns)
3 Volumes	6.55	2.47	408	6.81	12.56 °C	—	—	—	100

Sampling

Time of Sample Collection: 1052

Collection Method:	Analyses:	Analytical Method:
X Disposable bailer	X VOCs -	8260 X 503.1 ___ Other ___
___ Teflon bailer	___ SVOCs	
___ Dedicated pump	___ Metals	
___ Submersible Pump	___ PCB/Pest	
___ Low-Flow Sampling	___ MNA	
___ Other: ___	___ Other	

Observations

Weather/Temperature: N, NW (15-20 mph) windy, 25° F, cloudy/overcast
Sample Description: light brown, cloudy
Free Product? yes ___ no X describe
Sheen? yes ___ no X describe
Odor? yes ___ no X describe

Comments:
* DUPE collected at this location (AX-DUPE (030205)) @ 1054 - 1200 collection time noted on ~~table~~ (ns) label & COC.

TABLE 2
SUMMARY OF GROUND WATER ELEVATION DATA
AXELROD FACILITY
ALBANY, NEW YORK
ERM PROJECT NUMBER 0028595

Well Location	MW-8S	MW-9S	MW-10S	MW-11S
Elevation at Top of Casing	216.42	219.64	218.59	219.39
Total Depth of Well	17.92	19.75	NM	16.22
Screen Length	10	15	10	10
Date				
12/22/2003	211.74	213.24	NM	212.17
3/2/2005	211.40	213.00	NM	211.54

NOTES:

- All measurements reported in feet.

NM = Not measured (well was destroyed).

TABLE 1
SUMMARY OF DETECTED VOC's
AXELROD FACILITY
ALBANY, NEW YORK
ERM PROJECT NUMBER 0028595

Sample Location	MW-8S	MW-9S	MW-10S	MW-11S	MW-8S	MW-9S	MW-10S	MW-11S
Date Sampled	12/22/2003	12/22/2003	12/22/2003	12/22/2003	3/2/2005	3/2/2005	3/2/2005	3/2/2005
TCL VOCs (ug/L)								
Methyl tery-butyl ether	0.0	0.0	NS	0.0	0.0	0.0	NS	2.1
Total VOCs	**0.0**	**0.0**	**NS**	**0.0**	**0.0**	**0.0**	**NS**	**2.1**

NOTES :

TCL VOCs = Target Compound List Volatile Organic Compounds.
ug/L = micrograms per liter.
- Only those analytes that were detected in at least one sample are presented.
- All samples analyzed for TCL VOCs by EPA Method 8260B.
- MW-10S was not sampled (NS) since the well was destroyed.

Section 5

5.0 *CONCLUSIONS*

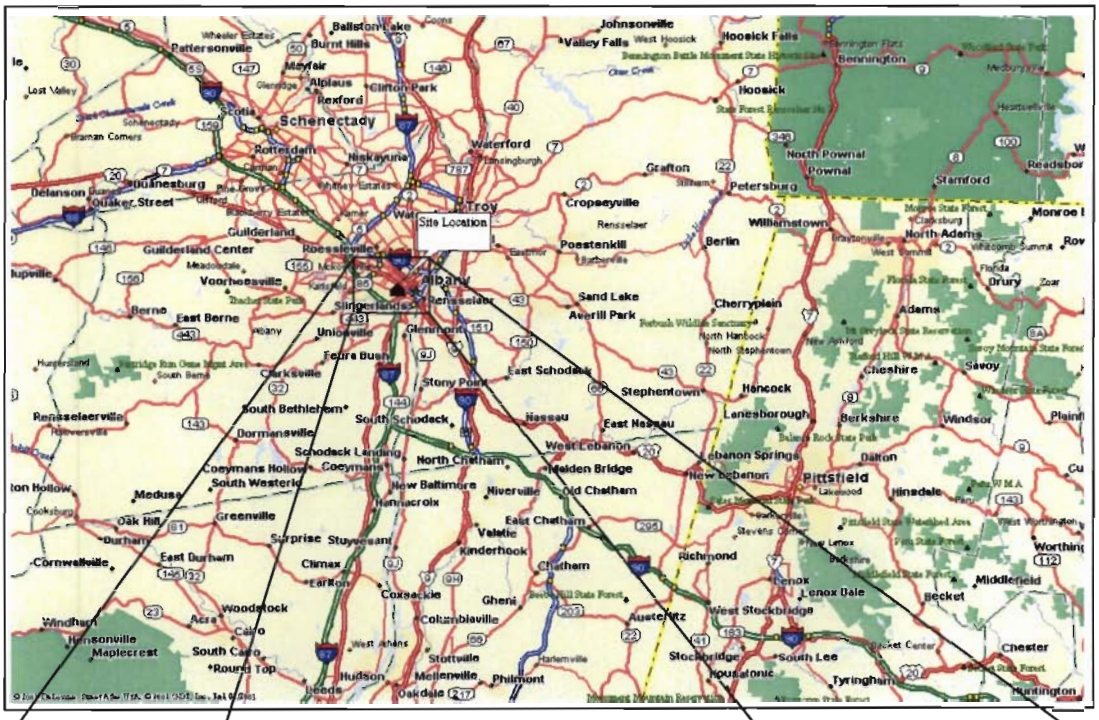
Pursuant to a modified Consent Order agreed upon by the NYSDOH and the NYSDEC, ERM collected ground water samples from shallow monitoring wells MW-8S, MW-9S, and MW-11S on 2 March 2005. ERM has also prepared this letter report to the NYSDOH in accordance with the agreed upon provisions of the redefined scope of work.

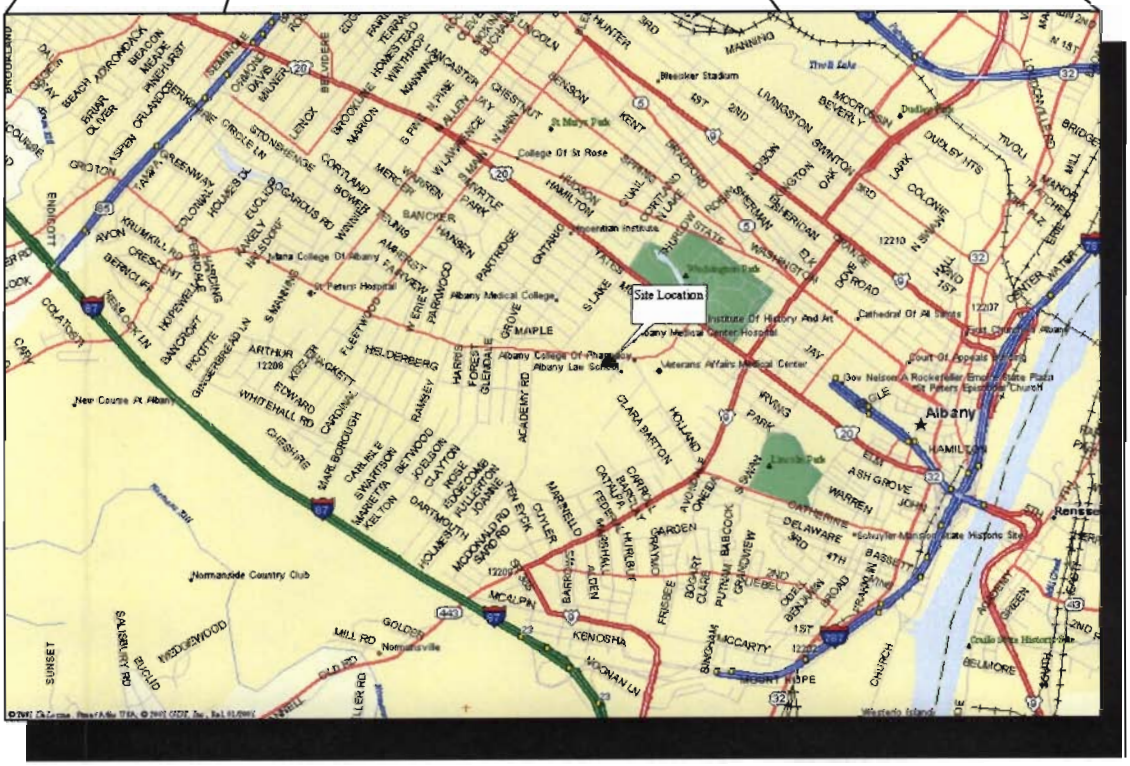
Laboratory analytical data from the 2 March 2005 sampling event indicate that MTBE was detected in the ground water sample collected from shallow ground water monitoring well MW-11S at a concentration below the NYSDEC Ambient Water Quality Guidance Value. VOCs were not detected in the other sampled shallow monitoring wells located at the Site.

ERM recommends that the monitoring and sampling of the three shallow Site monitoring wells continue every five quarters.

ERM noted that the well cover for monitoring well MW-8 was missing during the 2 March 2005 sampling event. ERM packed the space around the wellhead with gravel and stone; however, ERM recommends that the well cover be replaced promptly. In addition, ERM noted that the lock for monitoring well MW-11S was destroyed and needs to be replaced.

ATTACHMENT A
FIGURES





SITE LOCATION MAP
DAVID AXELROD FACILITY
ALBANY, NEW YORK

PREPARED FOR
NYS DEPARTMENT OF HEALTH

ERM-Northeast

SCALE	FIGURE
AS SHOWN	1
DATE 03/05	

PROJECT #0028595

B

ATTACHMENT B
TABLES

C

ATTACHMENT C
GROUND WATER SAMPLING RECORDS

D

ATTACHMENT D
DATA VALIDATION REPORT

Environmental
Resources
Management

5788 Widewaters Parkway
Dewitt, NY 13214
(315) 445-2554
(315) 445-2543 (fax)

DATA VALIDATION REPORT
AXELROD FACILITY
ALBANY, NEW YORK
GROUND WATER SAMPLE ANALYSES
ENVIRONMENTAL RESOURCES MANAGEMENT (ERM)
PROJECT NUMBER 0028595
SPECTRUM ANALYTICAL, INC. JOB NUMBER SA24891

ERM

Deliverables:

The above referenced data package for three (3) ground water samples, one (1) blind field duplicate sample, and one (1) trip blank contains all required deliverables as stipulated under the 2000 New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) for Category B deliverables. The sample specific analysis included Target Compound List (TCL) Volatile Organic Compounds (VOC) analyzed by United States Environmental Protection Agency (USEPA) SW-846 Method 8260B. The samples were analyzed following *"Test Methods for Evaluation Solid Waste, USEPA SW-846, Third Edition, September 1986, with revisions"*. The data have been validated according to the protocols and quality control (QC) requirements of the ASP, the National Functional Guidelines for Organic Data Review (October 1999), the USEPA Region II Data Review Standard Operating Procedure (SOP) Number HW-24, Revision 1, June 1999: Validating Volatile Organic Compounds by SW-846 Method 8260B, and the reviewer's professional judgment.

The validation report pertains to the following samples:

Samples	*QC Samples*
AX-MW-8S (030205)	AX-DUPE (030205) – Blind Field Duplicate of sample AX-MW-9S (030205)
AX-MW-9S (030205)	AX-TB (030205) - Trip Blank
AX-MW-11S (030205)	AX-MW-9S (030205) MS/MSD (selected by laboratory)

Volatiles

The following items/criteria were reviewed for this report:

- Case narrative and deliverables compliance
- Holding times and sample preservation (including pH and temperature)
- Surrogate Compound recoveries, summary and data

- Matrix Spike/Matrix Spike Duplicate (MS/MSD) results, recoveries, summary and data
- Laboratory Check Sample (LCS), recoveries, summary and data
- Method blank summary and data
- Gas Chromatography (GC)/Mass Spectroscopy (MS) tuning and performance
- Initial and continuing calibration summaries and data
- Internal standard areas, retention times, summary and data
- Trip Blank results
- Blind Field Duplicate sample results
- Organic analysis data sheets (Form I)
- GC/MS chromatograms, mass spectra and quantitation reports
- Quantitation/detection limits
- Qualitative and quantitative compound identification

The items listed above were technically and contractually in compliance with SW-846 protocols with the exceptions discussed in the text below. The data have been validated according to the procedures outlined above and qualified accordingly.

- Typically a Matrix Spike/Matrix Spike Duplicate (MS/MSD) set is collected and submitted to the laboratory per twenty field samples collected. In this case, no MS/MSD was collected or submitted to the laboratory. The laboratory analyzed the MS/MSD on sample MW-9S from this deliverable. No qualification of the sample data is required.

- The percent recovery for Bromoform (136%) was above the acceptable range (70-130%) in the LCS applicable to all samples. Thus, the results for Bromoform are possibly biased high in all samples. Bromoform was not positively identified in any sample; therefore, no qualification of the sample data is required and the results are valid and usable.

- The following table lists compounds that exhibited a response factor (RF) below the 0.05 minimum technical criteria documented in the National Functional Guidelines. Positive results for any compounds exhibiting an RF less than 0.05 are considered estimated and flagged "J" while non-detects for those compounds are rejected due to poor response and flagged "R". It should be noted that these compounds met the contractual criteria for response factors but did not meet the technical validation criteria.

Calibration	Compound	Deficiency	Associated Samples
ICAL 03/08/2005 08:15 - 08:23	Acetone	RF = 0.032	All samples in this SDG
CCV 03/15/2005 @ 09:22	Acetone	RF = 0.018	All samples in this SDG

- The following table lists compounds that exceeded 25 percent difference (%D) between the initial calibration average response factor and the continuing calibration verification (CCV) response factor. Associated field samples are also listed. Positive results for these compounds in associated samples are considered estimated and flagged "J". All non-detect results for the compound of interest in the appropriate samples are flagged "UJ".

Calibration	Compound	Deficiency	Associated Samples
CCV 03/15/2005 @ 09:22	Bromomethane Bromoform	%D = 26.1 %D = 31.7	All samples in this SDG

Package Summary:

All data are valid and usable with qualifications as noted in this review.

Signed: _____ Dated: 18 April 2005
Melissa A. Smith
Project Scientist

Signed: _____ Dated: 18 April 2005
Andrew J. Coenen
Project Scientist

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AX-MW-8S (030205)	0028595	Ground Water	02-Mar-05 12:10	03-Mar-05
SA24891-01	Method Ref.	Prepared	Analyzed	Analyst
	SW846 8260B	15-Mar-05	15-Mar-05	

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260B — Prepared by method Volatiles

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
67-64-1	Acetone	~~BRL~~ R	~~20.0 µg/l~~			1	5030923	
107-13-1	Acrylonitrile	BRL	1.0 µg/l			1	"	
71-43-2	Benzene	BRL	1.0 µg/l			1	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l			1	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l			1	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l			1	"	
75-25-2	Bromoform	BRL J	1.0 µg/l			1	"	
74-83-9	Bromomethane	BRL J	2.0 µg/l			1	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l			1	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l			1	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l			1	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l			1	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l			1	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l			1	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l			1	"	
75-00-3	Chloroethane	BRL	2.0 µg/l			1	"	
67-66-3	Chloroform	BRL	1.0 µg/l			1	"	
74-87-3	Chloromethane	BRL	2.0 µg/l			1	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l			1	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l			1	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l			1	"	
124-48-1	Dibromochloromethane	BRL	1.0 µg/l			1	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l			1	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l			1	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l			1	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l			1	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l			1	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l			1	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l			1	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l			1	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l			1	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l			1	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l			1	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l			1	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l			1	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l			1	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l			1	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l			1	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l			1	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l			1	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l			1	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AX-MW-8S (030205)	0028595	Ground Water	02-Mar-05 12:10	03-Mar-05
SA24891-01	Method Ref.	Prepared	Analyzed	Analyst
	SW846 8260B	15-Mar-05	15-Mar-05	

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
Volatile Organic Compounds by SW846 8260B		Prepared by method Volatiles						
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l			1	5030923	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l			1	"	
99-87-6	4-Isopropyltoluene	BRL	1.0 µg/l			1	"	
1634-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l			1	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l			1	"	
75-09-2	Methylene chloride	BRL	10.0 µg/l			1	"	
91-20-3	Naphthalene	BRL	1.0 µg/l			1	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l			1	"	
100-42-5	Styrene	BRL	1.0 µg/l			1	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l			1	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l			1	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l			1	"	
108-88-3	Toluene	BRL	1.0 µg/l			1	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l			1	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l			1	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l			1	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l			1	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l			1	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l			1	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l			1	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l			1	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l			1	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l			1	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l			1	"	
95-47-6	o-Xylene	BRL	1.0 µg/l			1	"	
460-00-4	*Surrogate: 4-Bromofluorobenzene*	*99.6*	*70-130 %*				"	
2037-26-5	*Surrogate: Toluene-d8*	*95.8*	*70-130 %*				"	
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*97.0*	*70-130 %*				"	
1868-53-7	*Surrogate: Dibromofluoromethane*	*99.8*	*70-130 %*				"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AX-MW-9S (030205)	0028595	Ground Water	02-Mar-05 10:52	03-Mar-05
SA24891-02	Method Ref.	Prepared	Analyzed	Analyst
	SW846 8260B	15-Mar-05	15-Mar-05	

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
Volatile Organic Compounds by SW846 8260B		Prepared by method Volatiles						
67-64-1	Acetone	~~BRL~~ R	~~20.0 µg/l~~			1	5030923	
107-13-1	Acrylonitrile	BRL	1.0 µg/l			1	"	
71-43-2	Benzene	BRL	1.0 µg/l			1	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l			1	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l			1	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l			1	"	
75-25-2	Bromoform	BRL J	1.0 µg/l			1	"	
74-83-9	Bromomethane	BRL J	2.0 µg/l			1	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l			1	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l			1	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l			1	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l			1	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l			1	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l			1	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l			1	"	
75-00-3	Chloroethane	BRL	2.0 µg/l			1	"	
67-66-3	Chloroform	BRL	1.0 µg/l			1	"	
74-87-3	Chloromethane	BRL	2.0 µg/l			1	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l			1	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l			1	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l			1	"	
124-48-1	Dibromochloromethane	BRL	1.0 µg/l			1	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l			1	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l			1	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l			1	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l			1	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l			1	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l			1	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l			1	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l			1	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l			1	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l			1	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l			1	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l			1	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l			1	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l			1	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l			1	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l			1	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l			1	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l			1	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l			1	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AX-MW-9S (030205)	0028595	Ground Water	02-Mar-05 10:52	03-Mar-05
SA24891-02	Method Ref.	Prepared	Analyzed	Analyst
	SW846 8260B	15-Mar-05	15-Mar-05	

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260B — Prepared by method Volatiles

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l			1	5030923	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l			1	"	
99-87-6	4-Isopropyltoluene	BRL	1.0 µg/l			1	"	
1634-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l			1	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l			1	"	
75-09-2	Methylene chloride	BRL	10.0 µg/l			1	"	
91-20-3	Naphthalene	BRL	1.0 µg/l			1	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l			1	"	
100-42-5	Styrene	BRL	1.0 µg/l			1	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l			1	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l			1	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l			1	"	
108-88-3	Toluene	BRL	1.0 µg/l			1	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l			1	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l			1	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l			1	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l			1	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l			1	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l			1	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l			1	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l			1	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l			1	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l			1	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l			1	"	
95-47-6	o-Xylene	BRL	1.0 µg/l			1	"	
460-00-4	*Surrogate: 4-Bromofluorobenzene*	*103*	*70-130 %*				"	
2037-26-5	*Surrogate: Toluene-d8*	*99.2*	*70-130 %*				"	
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*99.4*	*70-130 %*				"	
1868-53-7	*Surrogate: Dibromofluoromethane*	*102*	*70-130 %*				"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AX-MW-11S (030205)	0028595	Ground Water	02-Mar-05 12:30	03-Mar-05
SA24891-03	Method Ref.	Prepared	Analyzed	Analyst
	SW846 8260B	15-Mar-05	15-Mar-05	

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
Volatile Organic Compounds by SW846 8260B		Prepared by method Volatiles						
67-64-1	Acetone	~~BRL~~ R	~~20.0~~ µg/l			1	5030923	
107-13-1	Acrylonitrile	BRL	1.0 µg/l			1	"	
71-43-2	Benzene	BRL	1.0 µg/l			1	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l			1	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l			1	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l			1	"	
75-25-2	Bromoform	BRL J	1.0 µg/l			1	"	
74-83-9	Bromomethane	BRL J	2.0 µg/l			1	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l			1	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l			1	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l			1	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l			1	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l			1	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l			1	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l			1	"	
75-00-3	Chloroethane	BRL	2.0 µg/l			1	"	
67-66-3	Chloroform	BRL	1.0 µg/l			1	"	
74-87-3	Chloromethane	BRL	2.0 µg/l			1	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l			1	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l			1	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l			1	"	
124-48-1	Dibromochloromethane	BRL	1.0 µg/l			1	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l			1	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l			1	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l			1	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l			1	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l			1	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l			1	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l			1	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l			1	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l			1	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l			1	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l			1	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l			1	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l			1	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l			1	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l			1	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l			1	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l			1	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l			1	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l			1	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AX-MW-11S (030205)	0028595	Ground Water	02-Mar-05 12:30	03-Mar-05
SA24891-03	Method Ref.	Prepared	Analyzed	Analyst
	SW846 8260B	15-Mar-05	15-Mar-05	

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
Volatile Organic Compounds by SW846 8260B		Prepared by method Volatiles						
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l			1	5030923	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l			1	"	
99-87-6	4-Isopropyltoluene	BRL	1.0 µg/l			1	"	
1634-04-4	Methyl tert-butyl ether	2.1	1.0 µg/l			1	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l			1	"	
75-09-2	Methylene chloride	BRL	10.0 µg/l			1	"	
91-20-3	Naphthalene	BRL	1.0 µg/l			1	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l			1	"	
100-42-5	Styrene	BRL	1.0 µg/l			1	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l			1	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l			1	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l			1	"	
108-88-3	Toluene	BRL	1.0 µg/l			1	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l			1	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l			1	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l			1	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l			1	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l			1	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l			1	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l			1	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l			1	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l			1	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l			1	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l			1	"	
95-47-6	o-Xylene	BRL	1.0 µg/l			1	"	
460-00-4	*Surrogate: 4-Bromofluorobenzene*	*98.6*	*70-130 %*				"	
2037-26-5	*Surrogate: Toluene-d8*	*96.8*	*70-130 %*				"	
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*96.8*	*70-130 %*				"	
1868-53-7	*Surrogate: Dibromofluoromethane*	*100*	*70-130 %*				"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AX-DUPE (030205)	0028595	Ground Water	02-Mar-05 12:00	03-Mar-05
SA24891-04	Method Ref.	Prepared	Analyzed	Analyst
	SW846 8260B	15-Mar-05	15-Mar-05	

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260B — Prepared by method Volatiles

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
67-64-1	Acetone	~~BRL~~ R	~~20.0 µg/l~~			1	5030923	
107-13-1	Acrylonitrile	BRL	1.0 µg/l			1	"	
71-43-2	Benzene	BRL	1.0 µg/l			1	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l			1	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l			1	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l			1	"	
75-25-2	Bromoform	BRL J	1.0 µg/l			1	"	
74-83-9	Bromomethane	BRL J	2.0 µg/l			1	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l			1	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l			1	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l			1	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l			1	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l			1	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l			1	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l			1	"	
75-00-3	Chloroethane	BRL	2.0 µg/l			1	"	
67-66-3	Chloroform	BRL	1.0 µg/l			1	"	
74-87-3	Chloromethane	BRL	2.0 µg/l			1	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l			1	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l			1	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l			1	"	
124-48-1	Dibromochloromethane	BRL	1.0 µg/l			1	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l			1	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l			1	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l			1	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l			1	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l			1	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l			1	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l			1	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l			1	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l			1	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l			1	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l			1	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l			1	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l			1	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l			1	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l			1	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l			1	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l			1	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l			1	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l			1	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AX-DUPE (030205)	0028595	Ground Water	02-Mar-05 12:00	03-Mar-05
SA24891-04	Method Ref.	Prepared	Analyzed	Analyst
	SW846 8260B	15-Mar-05	15-Mar-05	

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
Volatile Organic Compounds by SW846 8260B		Prepared by method Volatiles						
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l			1	5030923	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l			1	"	
99-87-6	4-Isopropyltoluene	BRL	1.0 µg/l			1	"	
1634-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l			1	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l			1	"	
75-09-2	Methylene chloride	BRL	10.0 µg/l			1	"	
91-20-3	Naphthalene	BRL	1.0 µg/l			1	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l			1	"	
100-42-5	Styrene	BRL	1.0 µg/l			1	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l			1	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l			1	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l			1	"	
108-88-3	Toluene	BRL	1.0 µg/l			1	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l			1	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l			1	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l			1	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l			1	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l			1	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l			1	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l			1	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l			1	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l			1	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l			1	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l			1	"	
95-47-6	o-Xylene	BRL	1.0 µg/l			1	"	
460-00-4	*Surrogate: 4-Bromofluorobenzene*	*102*	*70-130 %*				"	
2037-26-5	*Surrogate: Toluene-d8*	*98.0*	*70-130 %*				"	
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*102*	*70-130 %*				"	
1868-53-7	*Surrogate: Dibromofluoromethane*	*103*	*70-130 %*				"	

E

ATTACHMENT E
LABORATORY ANALYTICAL REPORT

ACCREDITED IN ACCORDANCE WITH nelac
NY LAB # 11393/11840

SPECTRUM ANALYTICAL, INC.

Featuring

Hanibal Technology

Quality Assurance/Quality Control Data Deliverable

Prepared for

Environmental Resources Management

Project Name: **Axelrod Facility (Project # 0028595), Albany, New York**

Work Order SA24891

March 3rd, 2005

ACCREDITED IN ACCORDANCE WITH nelac
YLab #11393/11840

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Data Summary Package

SA24891

Report Date:
30-Mar-05 08:58

☐ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Environmental Resources Management
5788 Widewaters Pkwy
Dewitt, NY 13214
Attn: Chris Wunderlich

Project:Axelrod Facility - Albany, NY
Project #:0028595

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA24891-01	AX-MW-8S (030205)	Ground Water	02-Mar-05 12:10	03-Mar-05 09:47
SA24891-02	AX-MW-9S (030205)	Ground Water	02-Mar-05 10:52	03-Mar-05 09:47
SA24891-03	AX-MW-11S (030205)	Ground Water	02-Mar-05 12:30	03-Mar-05 09:47
SA24891-04	AX-DUPE (030205)	Ground Water	02-Mar-05 12:00	03-Mar-05 09:47
SA24891-05	AX-TB (030205)	Ground Water	02-Mar-05 00:00	03-Mar-05 09:47

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. All applicable NELAC requirements have been met.
Please note that this report contains 23 pages of analytical data plus Chain of Custody document(s).
This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Massachusetts Certification # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538/2972
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

ACCREDITED IN ACCORDANCE WITH nelac

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method indicated. Please refer to our "Quality" webpage at www.spectrum-analytical.com for a full listing of our current certifications.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AX-MW-8S (030205)	0028595	Ground Water	02-Mar-05 12:10	03-Mar-05
SA24891-01	Method Ref.	Prepared	Analyzed	Analyst
	SW846 8260B	15-Mar-05	15-Mar-05	

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
Volatile Organic Compounds by SW846 8260B		Prepared by method Volatiles						
67-64-1	Acetone	BRL	20.0 µg/l			1	5030923	
107-13-1	Acrylonitrile	BRL	1.0 µg/l			1	"	
71-43-2	Benzene	BRL	1.0 µg/l			1	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l			1	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l			1	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l			1	"	
75-25-2	Bromoform	BRL	1.0 µg/l			1	"	
74-83-9	Bromomethane	BRL	2.0 µg/l			1	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l			1	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l			1	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l			1	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l			1	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l			1	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l			1	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l			1	"	
75-00-3	Chloroethane	BRL	2.0 µg/l			1	"	
67-66-3	Chloroform	BRL	1.0 µg/l			1	"	
74-87-3	Chloromethane	BRL	2.0 µg/l			1	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l			1	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l			1	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l			1	"	
124-48-1	Dibromochloromethane	BRL	1.0 µg/l			1	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l			1	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l			1	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l			1	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l			1	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l			1	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l			1	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l			1	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l			1	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l			1	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l			1	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l			1	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l			1	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l			1	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l			1	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l			1	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l			1	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l			1	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l			1	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l			1	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AX-MW-8S (030205)	0028595	Ground Water	02-Mar-05 12:10	03-Mar-05
SA24891-01	Method Ref.	Prepared	Analyzed	Analyst
	SW846 8260B	15-Mar-05	15-Mar-05	

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
Volatile Organic Compounds by SW846 8260B		Prepared by method Volatiles						
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l			1	5030923	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l			1	"	
99-87-6	4-Isopropyltoluene	BRL	1.0 µg/l			1	"	
1634-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l			1	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l			1	"	
75-09-2	Methylene chloride	BRL	10.0 µg/l			1	"	
91-20-3	Naphthalene	BRL	1.0 µg/l			1	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l			1	"	
100-42-5	Styrene	BRL	1.0 µg/l			1	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l			1	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l			1	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l			1	"	
108-88-3	Toluene	BRL	1.0 µg/l			1	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l			1	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l			1	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l			1	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l			1	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l			1	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l			1	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l			1	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l			1	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l			1	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l			1	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l			1	"	
95-47-6	o-Xylene	BRL	1.0 µg/l			1	"	
460-00-4	*Surrogate: 4-Bromofluorobenzene*	*99.6*	*70-130 %*				"	
2037-26-5	*Surrogate: Toluene-d8*	*95.8*	*70-130 %*				"	
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*97.0*	*70-130 %*				"	
1868-53-7	*Surrogate: Dibromofluoromethane*	*99.8*	*70-130 %*				"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AX-MW-9S (030205)	0028595	Ground Water	02-Mar-05 10:52	03-Mar-05
SA24891-02	Method Ref.	Prepared	Analyzed	Analyst
	SW846 8260B	15-Mar-05	15-Mar-05	

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
Volatile Organic Compounds by SW846 8260B		Prepared by method Volatiles						
67-64-1	Acetone	BRL	20.0 µg/l			1	5030923	
107-13-1	Acrylonitrile	BRL	1.0 µg/l			1	"	
71-43-2	Benzene	BRL	1.0 µg/l			1	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l			1	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l			1	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l			1	"	
75-25-2	Bromoform	BRL	1.0 µg/l			1	"	
74-83-9	Bromomethane	BRL	2.0 µg/l			1	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l			1	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l			1	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l			1	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l			1	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l			1	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l			1	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l			1	"	
75-00-3	Chloroethane	BRL	2.0 µg/l			1	"	
67-66-3	Chloroform	BRL	1.0 µg/l			1	"	
74-87-3	Chloromethane	BRL	2.0 µg/l			1	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l			1	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l			1	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l			1	"	
124-48-1	Dibromochloromethane	BRL	1.0 µg/l			1	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l			1	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l			1	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l			1	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l			1	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l			1	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l			1	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l			1	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l			1	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l			1	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l			1	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l			1	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l			1	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l			1	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l			1	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l			1	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l			1	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l			1	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l			1	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l			1	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AX-MW-9S (030205)	0028595	Ground Water	02-Mar-05 10:52	03-Mar-05
SA24891-02	Method Ref.	Prepared	Analyzed	Analyst
	SW846 8260B	15-Mar-05	15-Mar-05	

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
Volatile Organic Compounds by SW846 8260B		Prepared by method Volatiles						
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l			1	5030923	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l			1	"	
99-87-6	4-Isopropyltoluene	BRL	1.0 µg/l			1	"	
1634-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l			1	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l			1	"	
75-09-2	Methylene chloride	BRL	10.0 µg/l			1	"	
91-20-3	Naphthalene	BRL	1.0 µg/l			1	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l			1	"	
100-42-5	Styrene	BRL	1.0 µg/l			1	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l			1	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l			1	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l			1	"	
108-88-3	Toluene	BRL	1.0 µg/l			1	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l			1	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l			1	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l			1	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l			1	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l			1	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l			1	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l			1	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l			1	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l			1	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l			1	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l			1	"	
95-47-6	o-Xylene	BRL	1.0 µg/l			1	"	
460-00-4	*Surrogate: 4-Bromofluorobenzene*	*103*	*70-130 %*				"	
2037-26-5	*Surrogate: Toluene-d8*	*99.2*	*70-130 %*				"	
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*99.4*	*70-130 %*				"	
1868-53-7	*Surrogate: Dibromofluoromethane*	*102*	*70-130 %*				"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AX-MW-11S (030205)	0028595	Ground Water	02-Mar-05 12:30	03-Mar-05
SA24891-03	Method Ref.	Prepared	Analyzed	Analyst
	SW846 8260B	15-Mar-05	15-Mar-05	

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260B — Prepared by method Volatiles

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
67-64-1	Acetone	BRL	20.0 µg/l			1	5030923	
107-13-1	Acrylonitrile	BRL	1.0 µg/l			1	"	
71-43-2	Benzene	BRL	1.0 µg/l			1	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l			1	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l			1	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l			1	"	
75-25-2	Bromoform	BRL	1.0 µg/l			1	"	
74-83-9	Bromomethane	BRL	2.0 µg/l			1	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l			1	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l			1	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l			1	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l			1	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l			1	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l			1	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l			1	"	
75-00-3	Chloroethane	BRL	2.0 µg/l			1	"	
67-66-3	Chloroform	BRL	1.0 µg/l			1	"	
74-87-3	Chloromethane	BRL	2.0 µg/l			1	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l			1	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l			1	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l			1	"	
124-48-1	Dibromochloromethane	BRL	1.0 µg/l			1	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l			1	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l			1	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l			1	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l			1	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l			1	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l			1	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l			1	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l			1	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l			1	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l			1	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l			1	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l			1	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l			1	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l			1	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l			1	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l			1	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l			1	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l			1	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l			1	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AX-MW-11S (030205)	0028595	Ground Water	02-Mar-05 12:30	03-Mar-05
SA24891-03	Method Ref.	Prepared	Analyzed	Analyst
	SW846 8260B	15-Mar-05	15-Mar-05	

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
Volatile Organic Compounds by SW846 8260B		Prepared by method Volatiles						
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l			1	5030923	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l			1	"	
99-87-6	4-Isopropyltoluene	BRL	1.0 µg/l			1	"	
1634-04-4	Methyl tert-butyl ether	2.1	1.0 µg/l			1	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l			1	"	
75-09-2	Methylene chloride	BRL	10.0 µg/l			1	"	
91-20-3	Naphthalene	BRL	1.0 µg/l			1	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l			1	"	
100-42-5	Styrene	BRL	1.0 µg/l			1	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l			1	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l			1	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l			1	"	
108-88-3	Toluene	BRL	1.0 µg/l			1	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l			1	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l			1	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l			1	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l			1	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l			1	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l			1	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l			1	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l			1	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l			1	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l			1	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l			1	"	
95-47-6	o-Xylene	BRL	1.0 µg/l			1	"	
460-00-4	*Surrogate: 4-Bromofluorobenzene*	*98.6*	*70-130 %*				"	
2037-26-5	*Surrogate: Toluene-d8*	*96.8*	*70-130 %*				"	
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*96.8*	*70-130 %*				"	
1868-53-7	*Surrogate: Dibromofluoromethane*	*100*	*70-130 %*				"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AX-DUPE (030205)	0028595	Ground Water	02-Mar-05 12:00	03-Mar-05
SA24891-04	Method Ref.	Prepared	Analyzed	Analyst
	SW846 8260B	15-Mar-05	15-Mar-05	

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
Volatile Organic Compounds by SW846 8260B		Prepared by method Volatiles						
67-64-1	Acetone	BRL	20.0 µg/l			1	5030923	
107-13-1	Acrylonitrile	BRL	1.0 µg/l			1	"	
71-43-2	Benzene	BRL	1.0 µg/l			1	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l			1	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l			1	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l			1	"	
75-25-2	Bromoform	BRL	1.0 µg/l			1	"	
74-83-9	Bromomethane	BRL	2.0 µg/l			1	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l			1	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l			1	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l			1	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l			1	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l			1	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l			1	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l			1	"	
75-00-3	Chloroethane	BRL	2.0 µg/l			1	"	
67-66-3	Chloroform	BRL	1.0 µg/l			1	"	
74-87-3	Chloromethane	BRL	2.0 µg/l			1	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l			1	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l			1	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l			1	"	
124-48-1	Dibromochloromethane	BRL	1.0 µg/l			1	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l			1	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l			1	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l			1	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l			1	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l			1	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l			1	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l			1	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l			1	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l			1	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l			1	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l			1	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l			1	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l			1	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l			1	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l			1	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l			1	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l			1	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l			1	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l			1	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AX-DUPE (030205)	0028595	Ground Water	02-Mar-05 12:00	03-Mar-05
SA24891-04	Method Ref.	Prepared	Analyzed	Analyst
	SW846 8260B	15-Mar-05	15-Mar-05	

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
Volatile Organic Compounds by SW846 8260B		Prepared by method Volatiles						
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l			1	5030923	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l			1	"	
99-87-6	4-Isopropyltoluene	BRL	1.0 µg/l			1	"	
1634-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l			1	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l			1	"	
75-09-2	Methylene chloride	BRL	10.0 µg/l			1	"	
91-20-3	Naphthalene	BRL	1.0 µg/l			1	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l			1	"	
100-42-5	Styrene	BRL	1.0 µg/l			1	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l			1	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l			1	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l			1	"	
108-88-3	Toluene	BRL	1.0 µg/l			1	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l			1	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l			1	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l			1	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l			1	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l			1	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l			1	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l			1	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l			1	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l			1	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l			1	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l			1	"	
95-47-6	o-Xylene	BRL	1.0 µg/l			1	"	
460-00-4	*Surrogate: 4-Bromofluorobenzene*	*102*	*70-130 %*				"	
2037-26-5	*Surrogate: Toluene-d8*	*98.0*	*70-130 %*				"	
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*102*	*70-130 %*				"	
1868-53-7	*Surrogate: Dibromofluoromethane*	*103*	*70-130 %*				"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AX-TB (030205)	0028595	Ground Water	02-Mar-05 00:00	03-Mar-05
SA24891-05	Method Ref.	Prepared	Analyzed	Analyst
	SW846 8260B	15-Mar-05	15-Mar-05	

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260B — Prepared by method Volatiles

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
67-64-1	Acetone	BRL	20.0 µg/l			1	5030923	
107-13-1	Acrylonitrile	BRL	1.0 µg/l			1	"	
71-43-2	Benzene	BRL	1.0 µg/l			1	"	
108-86-1	Bromobenzene	BRL	1.0 µg/l			1	"	
74-97-5	Bromochloromethane	BRL	1.0 µg/l			1	"	
75-27-4	Bromodichloromethane	BRL	1.0 µg/l			1	"	
75-25-2	Bromoform	BRL	1.0 µg/l			1	"	
74-83-9	Bromomethane	BRL	2.0 µg/l			1	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l			1	"	
104-51-8	n-Butylbenzene	BRL	1.0 µg/l			1	"	
135-98-8	sec-Butylbenzene	BRL	1.0 µg/l			1	"	
98-06-6	tert-Butylbenzene	BRL	1.0 µg/l			1	"	
75-15-0	Carbon disulfide	BRL	5.0 µg/l			1	"	
56-23-5	Carbon tetrachloride	BRL	1.0 µg/l			1	"	
108-90-7	Chlorobenzene	BRL	1.0 µg/l			1	"	
75-00-3	Chloroethane	BRL	2.0 µg/l			1	"	
67-66-3	Chloroform	BRL	1.0 µg/l			1	"	
74-87-3	Chloromethane	BRL	2.0 µg/l			1	"	
95-49-8	2-Chlorotoluene	BRL	1.0 µg/l			1	"	
106-43-4	4-Chlorotoluene	BRL	1.0 µg/l			1	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	2.0 µg/l			1	"	
124-48-1	Dibromochloromethane	BRL	1.0 µg/l			1	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.0 µg/l			1	"	
74-95-3	Dibromomethane	BRL	1.0 µg/l			1	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.0 µg/l			1	"	
541-73-1	1,3-Dichlorobenzene	BRL	1.0 µg/l			1	"	
106-46-7	1,4-Dichlorobenzene	BRL	1.0 µg/l			1	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.0 µg/l			1	"	
75-34-3	1,1-Dichloroethane	BRL	1.0 µg/l			1	"	
107-06-2	1,2-Dichloroethane	BRL	1.0 µg/l			1	"	
75-35-4	1,1-Dichloroethene	BRL	1.0 µg/l			1	"	
156-59-2	cis-1,2-Dichloroethene	BRL	1.0 µg/l			1	"	
156-60-5	trans-1,2-Dichloroethene	BRL	1.0 µg/l			1	"	
78-87-5	1,2-Dichloropropane	BRL	1.0 µg/l			1	"	
142-28-9	1,3-Dichloropropane	BRL	1.0 µg/l			1	"	
594-20-7	2,2-Dichloropropane	BRL	1.0 µg/l			1	"	
563-58-6	1,1-Dichloropropene	BRL	1.0 µg/l			1	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	1.0 µg/l			1	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	1.0 µg/l			1	"	
100-41-4	Ethylbenzene	BRL	1.0 µg/l			1	"	
87-68-3	Hexachlorobutadiene	BRL	1.0 µg/l			1	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AX-TB (030205)	0028595	Ground Water	02-Mar-05 00:00	03-Mar-05
SA24891-05	Method Ref.	Prepared	Analyzed	Analyst
	SW846 8260B	15-Mar-05	15-Mar-05	

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
Volatile Organic Compounds by SW846 8260B		Prepared by method Volatiles						
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l			1	5030923	
98-82-8	Isopropylbenzene	BRL	1.0 µg/l			1	"	
99-87-6	4-Isopropyltoluene	BRL	1.0 µg/l			1	"	
1634-04-4	Methyl tert-butyl ether	BRL	1.0 µg/l			1	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l			1	"	
75-09-2	Methylene chloride	BRL	10.0 µg/l			1	"	
91-20-3	Naphthalene	BRL	1.0 µg/l			1	"	
103-65-1	n-Propylbenzene	BRL	1.0 µg/l			1	"	
100-42-5	Styrene	BRL	1.0 µg/l			1	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	1.0 µg/l			1	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.0 µg/l			1	"	
127-18-4	Tetrachloroethene	BRL	1.0 µg/l			1	"	
108-88-3	Toluene	BRL	1.0 µg/l			1	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	1.0 µg/l			1	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	1.0 µg/l			1	"	
71-55-6	1,1,1-Trichloroethane	BRL	1.0 µg/l			1	"	
79-00-5	1,1,2-Trichloroethane	BRL	1.0 µg/l			1	"	
79-01-6	Trichloroethene	BRL	1.0 µg/l			1	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.0 µg/l			1	"	
96-18-4	1,2,3-Trichloropropane	BRL	1.0 µg/l			1	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	1.0 µg/l			1	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	1.0 µg/l			1	"	
75-01-4	Vinyl chloride	BRL	1.0 µg/l			1	"	
1330-20-7	m,p-Xylene	BRL	2.0 µg/l			1	"	
95-47-6	o-Xylene	BRL	1.0 µg/l			1	"	
460-00-4	*Surrogate: 4-Bromofluorobenzene*	*101*	*70-130 %*				"	
2037-26-5	*Surrogate: Toluene-d8*	*97.2*	*70-130 %*				"	
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*101*	*70-130 %*				"	
1868-53-7	*Surrogate: Dibromofluoromethane*	*102*	*70-130 %*				"	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 0503064 - 5030923										
Calibration Check (0503064-CCV1)				Prepared & Analyzed: 15-Mar-05						
Acetone	50.8		µg/l	50.0		102	70-130			
Acrylonitrile	51.5		µg/l	50.0		103	70-130			
Benzene	49.4		µg/l	50.0		98.8	70-130			
Bromobenzene	52.0		µg/l	50.0		104	70-130			
Bromochloromethane	50.3		µg/l	50.0		101	70-130			
Bromodichloromethane	54.3		µg/l	50.0		109	70-130			
Bromoform	65.9		µg/l	50.0		132	70-130			QC-1
Bromomethane	37.0		µg/l	50.0		74.0	70-130			
2-Butanone (MEK)	49.6		µg/l	50.0		99.2	70-130			
n-Butylbenzene	48.2		µg/l	50.0		96.4	70-130			
sec-Butylbenzene	51.7		µg/l	50.0		103	70-130			
tert-Butylbenzene	52.0		µg/l	50.0		104	70-130			
Carbon disulfide	49.9		µg/l	50.0		99.8	70-130			
Carbon tetrachloride	60.3		µg/l	50.0		121	70-130			
Chlorobenzene	49.2		µg/l	50.0		98.4	70-130			
Chloroethane	47.2		µg/l	50.0		94.4	70-130			
Chloroform	48.3		µg/l	50.0		96.6	80-120			
Chloromethane	47.7		µg/l	50.0		95.4	70-130			
2-Chlorotoluene	52.1		µg/l	50.0		104	70-130			
4-Chlorotoluene	52.9		µg/l	50.0		106	70-130			
1,2-Dibromo-3-chloropropane	51.8		µg/l	50.0		104	70-130			
Dibromochloromethane	60.4		µg/l	50.0		121	70-130			
1,2-Dibromoethane (EDB)	50.8		µg/l	50.0		102	70-130			
Dibromomethane	50.2		µg/l	50.0		100	70-130			
1,2-Dichlorobenzene	48.8		µg/l	50.0		97.6	70-130			
1,3-Dichlorobenzene	53.3		µg/l	50.0		107	70-130			
1,4-Dichlorobenzene	47.7		µg/l	50.0		95.4	70-130			
Dichlorodifluoromethane (Freon12)	43.6		µg/l	50.0		87.2	70-130			
1,1-Dichloroethane	49.2		µg/l	50.0		98.4	70-130			
1,2-Dichloroethane	49.2		µg/l	50.0		98.4	70-130			
1,1-Dichloroethene	48.4		µg/l	50.0		96.8	80-120			
cis-1,2-Dichloroethene	50.9		µg/l	50.0		102	70-130			
trans-1,2-Dichloroethene	50.1		µg/l	50.0		100	70-130			
1,2-Dichloropropane	49.3		µg/l	50.0		98.6	80-120			
1,3-Dichloropropane	48.9		µg/l	50.0		97.8	70-130			
2,2-Dichloropropane	49.4		µg/l	50.0		98.8	70-130			
1,1-Dichloropropene	49.1		µg/l	50.0		98.2	70-130			
cis-1,3-Dichloropropene	51.6		µg/l	50.0		103	70-130			
trans-1,3-Dichloropropene	52.6		µg/l	50.0		105	70-130			
Ethylbenzene	51.3		µg/l	50.0		103	80-120			
Hexachlorobutadiene	48.7		µg/l	50.0		97.4	70-130			
2-Hexanone (MBK)	40.3		µg/l	50.0		80.6	70-130			
Isopropylbenzene	51.9		µg/l	50.0		104	70-130			
4-Isopropyltoluene	48.9		µg/l	50.0		97.8	70-130			
Methyl tert-butyl ether	48.3		µg/l	50.0		96.6	70-130			
4-Methyl-2-pentanone (MIBK)	46.4		µg/l	50.0		92.8	70-130			
Methylene chloride	45.7		µg/l	50.0		91.4	70-130			
Naphthalene	49.8		µg/l	50.0		99.6	70-130			
n-Propylbenzene	53.3		µg/l	50.0		107	70-130			
Styrene	55.9		µg/l	50.0		112	70-130			
1,1,1,2-Tetrachloroethane	58.3		µg/l	50.0		117	70-130			
1,2,2-Tetrachloroethane	50.1		µg/l	50.0		100	70-130			
Tetrachloroethene	48.1		µg/l	50.0		96.2	70-130			
Toluene	50.4		µg/l	50.0		101	80-120			

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 0503064 - 5030923										
Calibration Check (0503064-CCV1)				Prepared & Analyzed: 15-Mar-05						
1,2,3-Trichlorobenzene	47.9		µg/l	50.0		95.8	70-130			
1,2,4-Trichlorobenzene	49.2		µg/l	50.0		98.4	70-130			
1,1,1-Trichloroethane	52.7		µg/l	50.0		105	70-130			
1,1,2-Trichloroethane	49.3		µg/l	50.0		98.6	70-130			
Trichloroethene	48.5		µg/l	50.0		97.0	70-130			
Trichlorofluoromethane (Freon 11)	48.8		µg/l	50.0		97.6	70-130			
1,2,3-Trichloropropane	51.1		µg/l	50.0		102	70-130			
1,2,4-Trimethylbenzene	54.5		µg/l	50.0		109	70-130			
1,3,5-Trimethylbenzene	54.5		µg/l	50.0		109	70-130			
Vinyl chloride	44.9		µg/l	50.0		89.8	80-120			
m,p-Xylene	104		µg/l	100		104	70-130			
o-Xylene	52.8		µg/l	50.0		106	70-130			
Surrogate: 4-Bromofluorobenzene	*51.9*		µg/l	*50.0*		*104*	*70-130*			
Surrogate: Toluene-d8	*50.2*		µg/l	*50.0*		*100*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*50.2*		µg/l	*50.0*		*100*	*70-130*			
Surrogate: Dibromofluoromethane	*51.1*		µg/l	*50.0*		*102*	*70-130*			

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 0503064 - 5030923										
MS Tune (0503064-TUN1)				Prepared & Analyzed: 15-Mar-05						
174	80.6		µg/l			80.6	50-100			
177	5.8		µg/l			5.84	5-9			
96	6.7		µg/l			6.74	5-9			
50	16.5		µg/l			16.5	15-40			
175	6.9		µg/l			6.88	5-9			
75	40.6		µg/l			40.6	30-60			
95	100		µg/l			100	100-100			
176	98.3		µg/l			98.3	95-101			
173	0.6		µg/l			0.583	0-2			

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5030923 - Volatiles										
Blank (5030923-BLK1)				Prepared & Analyzed: 15-Mar-05						
Acetone	BRL	20.0	µg/l							
Acrylonitrile	BRL	1.0	µg/l							
Benzene	BRL	1.0	µg/l							
Bromobenzene	BRL	1.0	µg/l							
Bromochloromethane	BRL	1.0	µg/l							
Bromodichloromethane	BRL	1.0	µg/l							
Bromoform	BRL	1.0	µg/l							
Bromomethane	BRL	2.0	µg/l							
2-Butanone (MEK)	BRL	10.0	µg/l							
n-Butylbenzene	BRL	1.0	µg/l							
sec-Butylbenzene	BRL	1.0	µg/l							
tert-Butylbenzene	BRL	1.0	µg/l							
Carbon disulfide	BRL	5.0	µg/l							
Carbon tetrachloride	BRL	1.0	µg/l							
Chlorobenzene	BRL	1.0	µg/l							
Chloroethane	BRL	2.0	µg/l							
Chloroform	BRL	1.0	µg/l							
Chloromethane	BRL	2.0	µg/l							
2-Chlorotoluene	BRL	1.0	µg/l							
4-Chlorotoluene	BRL	1.0	µg/l							
1,2-Dibromo-3-chloropropane	BRL	2.0	µg/l							
Dibromochloromethane	BRL	1.0	µg/l							
1,2-Dibromoethane (EDB)	BRL	1.0	µg/l							
Dibromomethane	BRL	1.0	µg/l							
1,2-Dichlorobenzene	BRL	1.0	µg/l							
1,3-Dichlorobenzene	BRL	1.0	µg/l							
1,4-Dichlorobenzene	BRL	1.0	µg/l							
Dichlorodifluoromethane (Freon12)	BRL	2.0	µg/l							
1,1-Dichloroethane	BRL	1.0	µg/l							
1,2-Dichloroethane	BRL	1.0	µg/l							
1,1-Dichloroethene	BRL	1.0	µg/l							
cis-1,2-Dichloroethene	BRL	1.0	µg/l							
trans-1,2-Dichloroethene	BRL	1.0	µg/l							
1,2-Dichloropropane	BRL	1.0	µg/l							
1,3-Dichloropropane	BRL	1.0	µg/l							
2,2-Dichloropropane	BRL	1.0	µg/l							
1,1-Dichloropropene	BRL	1.0	µg/l							
cis-1,3-Dichloropropene	BRL	1.0	µg/l							
trans-1,3-Dichloropropene	BRL	1.0	µg/l							
Ethylbenzene	BRL	1.0	µg/l							
Hexachlorobutadiene	BRL	1.0	µg/l							
2-Hexanone (MBK)	BRL	10.0	µg/l							
Isopropylbenzene	BRL	1.0	µg/l							
4-Isopropyltoluene	BRL	1.0	µg/l							
Methyl tert-butyl ether	BRL	1.0	µg/l							
4-Methyl-2-pentanone (MIBK)	BRL	10.0	µg/l							
Methylene chloride	BRL	10.0	µg/l							
Naphthalene	BRL	1.0	µg/l							
n-Propylbenzene	BRL	1.0	µg/l							
Styrene	BRL	1.0	µg/l							
1,1,1,2-Tetrachloroethane	BRL	1.0	µg/l							
1,1,2,2-Tetrachloroethane	BRL	1.0	µg/l							
Tetrachloroethene	BRL	1.0	µg/l							
Toluene	BRL	1.0	µg/l							

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5030923 - Volatiles										
Blank (5030923-BLK1)				Prepared & Analyzed: 15-Mar-05						
1,2,3-Trichlorobenzene	BRL	1.0	µg/l							
1,2,4-Trichlorobenzene	BRL	1.0	µg/l							
1,1,1-Trichloroethane	BRL	1.0	µg/l							
1,1,2-Trichloroethane	BRL	1.0	µg/l							
Trichloroethene	BRL	1.0	µg/l							
Trichlorofluoromethane (Freon 11)	BRL	1.0	µg/l							
1,2,3-Trichloropropane	BRL	1.0	µg/l							
1,2,4-Trimethylbenzene	BRL	1.0	µg/l							
1,3,5-Trimethylbenzene	BRL	1.0	µg/l							
Vinyl chloride	BRL	1.0	µg/l							
m,p-Xylene	BRL	2.0	µg/l							
o-Xylene	BRL	1.0	µg/l							
Surrogate: 4-Bromofluorobenzene	*50.5*		µg/l	*50.0*		*101*	*70-130*			
Surrogate: Toluene-d8	*48.7*		µg/l	*50.0*		*97.4*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*49.1*		µg/l	*50.0*		*98.2*	*70-130*			
Surrogate: Dibromofluoromethane	*50.0*		µg/l	*50.0*		*100*	*70-130*			

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5030923 - Volatiles										
LCS (5030923-BS1)				Prepared & Analyzed: 15-Mar-05						
Acetone	19.5		µg/l	20.0		97.5	70-130			
Acrylonitrile	20.4		µg/l	20.0		102	70-130			
Benzene	21.6		µg/l	20.0		108	70-130			
Bromobenzene	23.1		µg/l	20.0		116	70-130			
Bromochloromethane	22.2		µg/l	20.0		111	70-130			
Bromodichloromethane	23.8		µg/l	20.0		119	70-130			
Bromoform	27.2		µg/l	20.0		136	70-130			QC-1
Bromomethane	17.2		µg/l	20.0		86.0	70-130			
2-Butanone (MEK)	18.8		µg/l	20.0		94.0	70-130			
n-Butylbenzene	21.4		µg/l	20.0		107	70-130			
sec-Butylbenzene	21.9		µg/l	20.0		110	70-130			
tert-Butylbenzene	22.0		µg/l	20.0		110	70-130			
Carbon disulfide	20.4		µg/l	20.0		102	70-130			
Carbon tetrachloride	25.3		µg/l	20.0		126	70-130			
Chlorobenzene	22.5		µg/l	20.0		112	70-130			
Chloroethane	20.3		µg/l	20.0		102	70-130			
Chloroform	21.3		µg/l	20.0		106	70-130			
Chloromethane	20.0		µg/l	20.0		100	70-130			
2-Chlorotoluene	22.4		µg/l	20.0		112	70-130			
4-Chlorotoluene	22.3		µg/l	20.0		112	70-130			
1,2-Dibromo-3-chloropropane	21.6		µg/l	20.0		108	70-130			
Dibromochloromethane	25.0		µg/l	20.0		125	70-130			
1,2-Dibromoethane (EDB)	21.6		µg/l	20.0		108	70-130			
Dibromomethane	21.4		µg/l	20.0		107	70-130			
' 2-Dichlorobenzene	22.1		µg/l	20.0		110	70-130			
-Dichlorobenzene	23.5		µg/l	20.0		118	70-130			
1,4-Dichlorobenzene	21.9		µg/l	20.0		110	70-130			
Dichlorodifluoromethane (Freon12)	19.0		µg/l	20.0		95.0	70-130			
1,1-Dichloroethane	21.6		µg/l	20.0		108	70-130			
1,2-Dichloroethane	21.0		µg/l	20.0		105	70-130			
1,1-Dichloroethene	20.3		µg/l	20.0		102	70-130			
cis-1,2-Dichloroethene	22.4		µg/l	20.0		112	70-130			
trans-1,2-Dichloroethene	22.1		µg/l	20.0		110	70-130			
1,2-Dichloropropane	21.5		µg/l	20.0		108	70-130			
1,3-Dichloropropane	21.0		µg/l	20.0		105	70-130			
2,2-Dichloropropane	21.6		µg/l	20.0		108	70-130			
1,1-Dichloropropene	21.3		µg/l	20.0		106	70-130			
cis-1,3-Dichloropropene	22.3		µg/l	20.0		112	70-130			
trans-1,3-Dichloropropene	22.2		µg/l	20.0		111	70-130			
Ethylbenzene	22.6		µg/l	20.0		113	70-130			
Hexachlorobutadiene	22.8		µg/l	20.0		114	70-130			
2-Hexanone (MBK)	15.3		µg/l	20.0		76.5	70-130			
Isopropylbenzene	22.5		µg/l	20.0		112	70-130			
4-Isopropyltoluene	22.1		µg/l	20.0		110	70-130			
Methyl tert-butyl ether	19.8		µg/l	20.0		99.0	70-130			
4-Methyl-2-pentanone (MIBK)	17.1		µg/l	20.0		85.5	70-130			
Methylene chloride	19.2		µg/l	20.0		96.0	70-130			
Naphthalene	23.8		µg/l	20.0		119	70-130			
n-Propylbenzene	22.1		µg/l	20.0		110	70-130			
Styrene	23.5		µg/l	20.0		118	70-130			
1,1,1,2-Tetrachloroethane	25.2		µg/l	20.0		126	70-130			
' ',2,2-Tetrachloroethane	21.6		µg/l	20.0		108	70-130			
rachloroethene	21.2		µg/l	20.0		106	70-130			
Toluene	22.0		µg/l	20.0		110	70-130			

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5030923 - Volatiles										
LCS (5030923-BS1)				Prepared & Analyzed: 15-Mar-05						
1,2,3-Trichlorobenzene	22.4		µg/l	20.0		112	70-130			
1,2,4-Trichlorobenzene	22.7		µg/l	20.0		114	70-130			
1,1,1-Trichloroethane	22.9		µg/l	20.0		114	70-130			
1,1,2-Trichloroethane	21.3		µg/l	20.0		106	70-130			
Trichloroethene	21.4		µg/l	20.0		107	70-130			
Trichlorofluoromethane (Freon 11)	20.9		µg/l	20.0		104	70-130			
1,2,3-Trichloropropane	21.4		µg/l	20.0		107	70-130			
1,2,4-Trimethylbenzene	23.1		µg/l	20.0		116	70-130			
1,3,5-Trimethylbenzene	22.7		µg/l	20.0		114	70-130			
Vinyl chloride	19.6		µg/l	20.0		98.0	70-130			
m,p-Xylene	46.5		µg/l	40.0		116	70-130			
o-Xylene	23.2		µg/l	20.0		116	70-130			
Surrogate: 4-Bromofluorobenzene	*51.5*		µg/l	*50.0*		*103*	*70-130*			
Surrogate: Toluene-d8	*49.3*		µg/l	*50.0*		*98.6*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*50.0*		µg/l	*50.0*		*100*	*70-130*			
Surrogate: Dibromofluoromethane	*50.8*		µg/l	*50.0*		*102*	*70-130*			

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
atch 5030923 - Volatiles										
LCS Dup (5030923-BSD1)				Prepared & Analyzed: 15-Mar-05						
Acetone	20.0		µg/l	20.0		100	70-130	2.53	50	
Acrylonitrile	20.6		µg/l	20.0		103	70-130	0.976	25	
Benzene	21.4		µg/l	20.0		107	70-130	0.930	25	
Bromobenzene	22.6		µg/l	20.0		113	70-130	2.62	25	
Bromochloromethane	22.0		µg/l	20.0		110	70-130	0.905	25	
Bromodichloromethane	23.8		µg/l	20.0		119	70-130	0.00	25	
Bromoform	27.0		µg/l	20.0		135	70-130	0.738	25	QC-1
Bromomethane	16.6		µg/l	20.0		83.0	70-130	3.55	50	
2-Butanone (MEK)	18.5		µg/l	20.0		92.5	70-130	1.61	50	
n-Butylbenzene	20.7		µg/l	20.0		104	70-130	2.84	25	
sec-Butylbenzene	22.0		µg/l	20.0		110	70-130	0.00	25	
tert-Butylbenzene	22.2		µg/l	20.0		111	70-130	0.905	25	
Carbon disulfide	20.3		µg/l	20.0		102	70-130	0.00	25	
Carbon tetrachloride	25.4		µg/l	20.0		127	70-130	0.791	25	
Chlorobenzene	22.4		µg/l	20.0		112	70-130	0.00	25	
Chloroethane	19.6		µg/l	20.0		98.0	70-130	4.00	50	
Chloroform	21.1		µg/l	20.0		106	70-130	0.00	25	
Chloromethane	20.0		µg/l	20.0		100	70-130	0.00	25	
2-Chlorotoluene	22.4		µg/l	20.0		112	70-130	0.00	25	
4-Chlorotoluene	22.1		µg/l	20.0		110	70-130	1.80	25	
1,2-Dibromo-3-chloropropane	22.4		µg/l	20.0		112	70-130	3.64	25	
Dibromochloromethane	25.2		µg/l	20.0		126	70-130	0.797	50	
1,2-Dibromoethane (EDB)	21.6		µg/l	20.0		108	70-130	0.00	25	
Dibromomethane	21.5		µg/l	20.0		108	70-130	0.930	25	
',2-Dichlorobenzene	22.2		µg/l	20.0		111	70-130	0.905	25	
,3-Dichlorobenzene	23.3		µg/l	20.0		116	70-130	1.71	25	
1,4-Dichlorobenzene	21.8		µg/l	20.0		109	70-130	0.913	25	
Dichlorodifluoromethane (Freon12)	19.0		µg/l	20.0		95.0	70-130	0.00	50	
1,1-Dichloroethane	21.4		µg/l	20.0		107	70-130	0.930	25	
1,2-Dichloroethane	21.0		µg/l	20.0		105	70-130	0.00	25	
1,1-Dichloroethene	20.5		µg/l	20.0		102	70-130	0.00	25	
cis-1,2-Dichloroethene	22.0		µg/l	20.0		110	70-130	1.80	25	
trans-1,2-Dichloroethene	21.6		µg/l	20.0		108	70-130	1.83	25	
1,2-Dichloropropane	21.4		µg/l	20.0		107	70-130	0.930	25	
1,3-Dichloropropane	21.2		µg/l	20.0		106	70-130	0.948	25	
2,2-Dichloropropane	21.6		µg/l	20.0		108	70-130	0.00	25	
1,1-Dichloropropene	21.0		µg/l	20.0		105	70-130	0.948	25	
cis-1,3-Dichloropropene	22.0		µg/l	20.0		110	70-130	1.80	25	
trans-1,3-Dichloropropene	22.1		µg/l	20.0		110	70-130	0.905	25	
Ethylbenzene	22.2		µg/l	20.0		111	70-130	1.79	25	
Hexachlorobutadiene	23.2		µg/l	20.0		116	70-130	1.74	50	
2-Hexanone (MBK)	16.0		µg/l	20.0		80.0	70-130	4.47	25	
Isopropylbenzene	22.5		µg/l	20.0		112	70-130	0.00	25	
4-Isopropyltoluene	21.8		µg/l	20.0		109	70-130	0.913	25	
Methyl tert-butyl ether	19.8		µg/l	20.0		99.0	70-130	0.00	25	
4-Methyl-2-pentanone (MIBK)	17.7		µg/l	20.0		88.5	70-130	3.45	50	
Methylene chloride	19.0		µg/l	20.0		95.0	70-130	1.05	25	
Naphthalene	23.0		µg/l	20.0		115	70-130	3.42	25	
n-Propylbenzene	22.0		µg/l	20.0		110	70-130	0.00	25	
Styrene	23.4		µg/l	20.0		117	70-130	0.851	25	
1,1,1,2-Tetrachloroethane	24.7		µg/l	20.0		124	70-130	1.60	25	
' 1,2,2-Tetrachloroethane	22.2		µg/l	20.0		111	70-130	2.74	25	
rachloroethene	21.9		µg/l	20.0		110	70-130	3.70	25	
Toluene	22.3		µg/l	20.0		112	70-130	1.80	25	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5030923 - Volatiles										
LCS Dup (5030923-BSD1)				Prepared & Analyzed: 15-Mar-05						
1,2,3-Trichlorobenzene	22.0		µg/l	20.0		110	70-130	1.80	25	
1,2,4-Trichlorobenzene	22.0		µg/l	20.0		110	70-130	3.57	25	
1,1,1-Trichloroethane	22.9		µg/l	20.0		114	70-130	0.00	25	
1,1,2-Trichloroethane	21.5		µg/l	20.0		108	70-130	1.87	25	
Trichloroethene	20.8		µg/l	20.0		104	70-130	2.84	25	
Trichlorofluoromethane (Freon 11)	20.9		µg/l	20.0		104	70-130	0.00	50	
1,2,3-Trichloropropane	21.8		µg/l	20.0		109	70-130	1.85	25	
1,2,4-Trimethylbenzene	22.4		µg/l	20.0		112	70-130	3.51	25	
1,3,5-Trimethylbenzene	22.4		µg/l	20.0		112	70-130	1.77	25	
Vinyl chloride	19.7		µg/l	20.0		98.5	70-130	0.509	25	
m,p-Xylene	45.8		µg/l	40.0		114	70-130	1.74	25	
o-Xylene	23.4		µg/l	20.0		117	70-130	0.858	25	
Surrogate: 4-Bromofluorobenzene	*51.3*		µg/l	*50.0*		*103*	*70-130*			
Surrogate: Toluene-d8	*50.3*		µg/l	*50.0*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*49.2*		µg/l	*50.0*		*98.4*	*70-130*			
Surrogate: Dibromofluoromethane	*50.0*		µg/l	*50.0*		*100*	*70-130*			

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5030923 - Volatiles										
Matrix Spike (5030923-MS1)	Source: SA24891-02			Prepared & Analyzed: 15-Mar-05						
Benzene	19.7		µg/l	20.0	BRL	98.5	70-130			
Chlorobenzene	21.4		µg/l	20.0	BRL	107	70-130			
1,1-Dichloroethene	17.9		µg/l	20.0	BRL	89.5	70-130			
Toluene	20.3		µg/l	20.0	BRL	102	70-130			
Trichloroethene	19.4		µg/l	20.0	BRL	97.0	70-130			
Surrogate: 4-Bromofluorobenzene	*51.3*		µg/l	*50.0*		*103*	*70-130*			
Surrogate: Toluene-d8	*49.4*		µg/l	*50.0*		*98.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*50.4*		µg/l	*50.0*		*101*	*70-130*			
Surrogate: Dibromofluoromethane	*51.3*		µg/l	*50.0*		*103*	*70-130*			

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5030923 - Volatiles										
Matrix Spike Dup (5030923-MSD1)	**Source: SA24891-02**			Prepared & Analyzed: 15-Mar-05						
Benzene	19.5		µg/l	20.0	BRL	97.5	70-130	1.02	30	
Chlorobenzene	21.0		µg/l	20.0	BRL	105	70-130	1.89	30	
1,1-Dichloroethene	17.4		µg/l	20.0	BRL	87.0	70-130	2.83	30	
Toluene	20.1		µg/l	20.0	BRL	100	70-130	1.98	30	
Trichloroethene	19.2		µg/l	20.0	BRL	96.0	70-130	1.04	30	
Surrogate: 4-Bromofluorobenzene	*51.9*		µg/l	*50.0*		*104*	*70-130*			
Surrogate: Toluene-d8	*49.4*		µg/l	*50.0*		*98.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*51.3*		µg/l	*50.0*		*103*	*70-130*			
Surrogate: Dibromofluoromethane	*51.6*		µg/l	*50.0*		*103*	*70-130*			

Notes and Definitions

QC-1	Analyte out of acceptance range.
*	Reportable Detection Limit
RL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

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SPECTRUM ANALYTICAL, INC.

Featuring

HANIBAL TECHNOLOGY

General Narrative

ACCREDITED IN ACCORDANCE WITH nelac
NY Lab ID # 11393/11840

SPECTRUM ANALYTICAL, INC.

Featuring

HANIBAL TECHNOLOGY

SA24891 Narrative

Spectrum Analytical, Inc. submits the enclosed data for project # 0028595 (Axelrod Facility, Albany, New York) to the Dewitt, New York office of Environmental Resources Management. This deliverable contains data for five aqueous samples submitted on March 3, 2005. Analyses were performed per specifications in the chain-of-custody forms.

The analyses were performed according to USEPA SW846 analytical guidelines and criteria dictated by National Environmental Laboratory Accreditation Conference (NELAC).

The following observations and/or deviations are observed for the following analyses:

1. Overall Observations:

   The data set for work order SA24891 complies with internal QC criteria for the methods performed.

   The samples were received iced @ 1.0 degrees Celsius. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

   The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method.

2. Volatile Analysis:

   The following equipment was used to analyze the volatile organic compounds in this laboratory:

GC/MS	Tekmar ALS 2016 and ALS 2032 purge and trap autosamplers
(HP_1)	Tekmar 3100 sample concentrator
	Supelco vocarb 3000 (K) trap and conditions used
	Hewlett Packard 6890 series II gas chromatograph
	Hewlett Packard 5973 Mass Selective Detector
	Column – DB-VRX, 20 meters, 0.18mm diameter 1.0um film

The aqueous samples were acid preserved to pH <2.

Surrogate recovery: recoveries were within QC limits.

Bromoform exceeded the acceptance criteria for the Continuing Calibration Verification sample in batch #5030923. Please note that the results, while high, were consistent in the CCV and in the MS/MSD. Bromoform was not detected in any of the samples.

Matrix spike/matrix spike duplicate: Duplicate matrix spikes were performed on sample SA24891-02. Spike recoveries and replicate RPDs were within advisory QC limits with the exception of bromoform. The recovery for both the matrix spike and the matrix spike duplicate exceeded the upper limit of 130%.

Sample analysis: no unusual observation was made for the analysis.

I certify that this data package is in compliance with the terms and conditions of the QAPP, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer readable data submitted on CD-ROM, has been authorized by the laboratory director as verified by the following signature.

Hanibal C. Tayeh
President/Laboratory Director

Date: 3/31/05

ACCREDITED IN ACCORDANCE WITH nelac
Lab #11393/11840

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HANIBAL TECHNOLOGY

Sample Transmittal Documentation

SA34891 KT

SPECTRUM ANALYTICAL, INC.
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HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☒ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- All samples are disposed of after 60 days unless otherwise instructed.

Report To: Chris Wunderlich @ ERM
5788 Widewaters Parkway
Dewitt, NY 13214

Project Mgr.: Chris Wunderlich

Invoice To: ERM
" "
" "
IWA5203639

P.O. No.: 0028595 RQN: _____

Project No.: 0028595
Site Name: Axelrod Facility
Location: Albany State: NY
Sampler(s): D. Myers, M. Smith

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: VOCs 8260	Notes:
AC 34891-01	AX-MW-9S (0302-05)	3/2/05	1210	G	GW	2	2				X	* ASP Level "B" Deliverables * → please contact Emily Coenen @ Melville ERM office for correct ASP level "B" package components
AC -02	AX-MW-9S (0302-05)	3/2/05	1052	G	GW	2	2				X	
AC -03	AX-MW-11S (0302-05)	3/2/05	1230	G	GW	2	2				X	
AC -04	AX-DUP (0302-05)	3/2/05	1200	G	GW	2	2				X	
AC -05	AX-TB (0302-05)	3/2/05	—	Trip	Blk.	2	1				X	
AC												
AC												
AC												
AC												
AC												

Relinquished by:	Received by:	Date:	Time:
Mel A Smith	Fedex	3/2/05	1:30 pm
Fedex	Hani Melad	3/3/05	947

☒ Fax results when available to (315) 445-~~3540~~ 2543

☐ E-mail results when available to _____

Condition upon Receipt: ☒ Iced ☐ Ambient ☒ 1 °C

Spectrum Analytical
Work Order Container List

Work Order #	1-4	5	-	-	-	-	-	-	-	-
1/2 Gallon Jug										
1/2 Gallon Jug - HNO3										
100 mL Bacti										
125 ml Poly - H2SO4										
125 ml Poly - HNO3										
125 ml Poly - NaOH										
125 ml Poly - Unpreserved										
16 oz. jar										
1L Amber - H2SO4										
1L Amber - HCl										
1L Amber - HNO3										
1L Amber - Na2S2O3										
1L Amber - Unpreserved.										
1L Clear Glass-H2SO4										
1L Clear Glass-HCl										
1L Clear Glass-Unpreserved										
1L Poly - H2SO4										
1L Poly - HNO3										
1L Poly - NaOH/ZnAce										
1L Poly - Unpreserved										
2 oz. jar										
250 ml Amber H2SO4										
250 ml Amber NH4Cl										
250 ml Amber-Unpreserved										
250 mL Poly H2SO4										
250 mL Poly HNO3										
250 mL Poly NaOH										
250 mL Poly NaOH/Zn										
250 mL Poly Unpreserved										
4 oz. jar										
500 mL Amber H2SO4										
500 mL Amber HCl										
500 mL Amber HN03										
500 mL Amber Unpreserved										
500 mL Poly Unpreserved										
500 mL Poly H2SO4										
500 mL Poly HNO3										
500 mL Poly NaOH										
500 mL Poly NaOH/Zn										
8 oz. jar										
Air Cassette										
BOD Bottle										
Carbon tube										
Other _____										
Plastic Baggie										
Summa canister										
Tedlar Bag										
Voa Vial - HCl	2	1								
Voa Vial - CH3OH										
Voa Vial - H2O										
Voa Vial - H2S04										
Voa Vial - HNO3										
Voa Vial - NA2S2O3										
Voa Vial - NAHSO4										
Voa Vial - Unpreserved										

78

300

NO POUCH NEEDED.
See back for peel and stick application instructions.

RECIPIENT: PEEL HERE

FedEx Express US Airbill

FedEx Tracking Number 8480 8735 2427

1 From This portion can be removed for Recipient's records.

Date 3/2/05 FedEx Tracking Number 848087352427

Sender's Name Melissa Smith Phone 315 445-2554

Company ERM NORTHEAST INC

Address 5788 WIDEWATERS PKWY STE 12 Dept./Floor/Suite/Room

City DE WITT State NY ZIP 13214-1898

2 Your Internal Billing Reference 0028595

3 To

Recipient's Name Spectrum Analytical Phone 413 789-9018

Company c/o Sample Receiving Department

Recipient's Address 11 Almgren Drive Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City Agawam State MA ZIP 01001

8480 8735 2427

0280517506

0215 Recipient's Copy

4a Express Package Service *Packages up to 150 lbs.* *To most locations

- [X] FedEx Priority Overnight — Next business morning*
- [ ] FedEx Standard Overnight — Next business afternoon*
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations*
- [ ] FedEx 2Day — Second business day*
- [ ] FedEx Express Saver — Third business day*

FedEx Envelope rate not available. Minimum charge: One-pound rate

4b Express Freight Service *Packages over 150 lbs.* **To most locations

- [ ] FedEx 1Day Freight* — Next business day**
- [ ] FedEx 2Day Freight — Second business day**
- [ ] FedEx 3Day Freight — Third business day**

*Call for Confirmation:

5 Packaging * Declared value limit $500

- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak
- [ ] FedEx Box
- [ ] FedEx Tube
- [X] Other

6 Special Handling — Include FedEx address in Section 3.

- [ ] SATURDAY Delivery — Available ONLY for FedEx Priority Overnight, FedEx 2Day, FedEx 1Day Freight, and FedEx 2Day Freight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available for FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? One box must be checked.

- [X] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous goods (including Dry Ice) cannot be shipped in FedEx packaging.

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below. Obtain Recip. Acct. No. [ ]

- [X] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

Total Packages	Total Weight	Total Charges
1	10	Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See the *FedEx Service Guide* for details.

8 Sign to Authorize Delivery Without a Signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

Questions? Visit our Web site at fedex.com or call 1.800.GoFedEx 1.800.463.3339.

466

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facsimile transmittal

To: Chris Wunderlich Fax:

From: Mary Date: 3/3/05

Re: Sample Receipt Checklist Pages: 2

The following outlines the condition of samples for the attached Chain of Custody as received through shipment.

- Sample temperature upon receipt 1 °C
- Cooled with ice? (Yes) / No
- Chain of Custody (present) / not present
- Samples submitted (with) / without labels
- Samples broken / leaking / (intact) upon receipt
- Samples received (within) / outside of the holding time
- Discrepancies / (No discrepancies) noted between Chain and samples

Notes: _____

If you have any questions or comments concerning this information, please contact the Sample Department.

Thank you!

ENVIRONMENTAL ANALYSES

11 Almgren Drive • Agawam, Massachusetts 01001 • Operational Building & Sample Receiving
830 Silver Street • Agawam, Massachusetts 01001 • Administrative Offices, Volatile & Air Departments
1-800-789-9115 • 413-789-9018 • Fax 413-789-4076

Facsimile transmittal

To: Chris Wunderlich Fax:

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830 Silver Street • Agawam, Massachusetts 01001 • Administrative Offices, Volatile & Air Departments
1-800-789-9115 • 413-789-9018 • Fax 413-789-4076

Fax/Phone Number	Mode	Start	Time	Page	Result	Note
13154452543	NORMAL	3,11:01	1'09"	2	* O K	

Mar 3 2005 11:01 P.1

** Transmit Cont. Report **

SPECTRUM Fax:413-789-4076

631-756-8900

3/14

CHAIN OF CUSTODY RECORD

HOLDING TIME
MAR 16 2005
EXPIRES

Special Handling:
- [x] Standard TAT - 7 to 10 business days
- [ ] Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- All samples are disposed of after 60 days unless otherwise instructed.

Report To: Chris Wunderlich @ ERM
5788 Widewaters Parkway
Dewitt, NY 13214

Project Mgr.: Chris Wunderlich

Invoice To: ERM.
" "
" "

P.O. No.: 0028595 RQN: _____

Project No.: 0028595
Site Name: Axelrod Facility
Location: Albany State: NY
Sampler(s): D. Myers, M. Smith

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: VOCs 8260							*	Notes:
AC	AX-MW-8S (030205)	3/2/05	1210	G	GW	2	2				X								* ASP Level "B" Deliverables * → please contact Andy Coenen @ Melville ERM office for correct ASP level "B" package components
AC	AX-MW-9S (030205)	3/2/05	1052	G	GW	2	2				X								
AC	AX-MW-11S (030205)	3/2/05	1230	G	GW	2	2				X								
AC	AX-DUPE (030205)	3/2/05	1200	G	GW	2	2				X								
AC	AX-TB (030205)	3/2/05	—	Trip	Blk.	2	1				X								
AC																			
AC																			
AC																			
AC																			
AC																			

[x] Fax results when available to (315) 445-~~2554~~ 2543
[ ] E-mail results when available to _____
Condition upon Receipt: [x] Iced [ ] Ambient [x] 1 °C

Relinquished by:	Received by:	Date:	Time:
Mel A Smith FedEx	FedEx	3/2/05	1:30 pm
	Hand Delivered	3/3/05	947

WORK ORDER

Printed: 3/7/2005 10:48:59AM

SA24891

Spectrum Analytical, Inc.

Client:	Environmental Resources Management - Dewitt, N	Project Manager:	Nicole Brown
Project:	Axelrod Facility - Albany, NY	Project Number:	0028595

Report To:
Environmental Resources Management - Dewitt, NY
Chris Wunderlich
5788 Widewaters Pkwy
Dewitt, NY 13214
Phone: (315) 445-2554
Fax: (315) 445-2543

Invoice To:
Environmental Resources Management - Dewitt, NY
Accounts Payable
5788 Widewaters Pkwy
Dewitt, NY 13214
Phone :(315) 445-2554
Fax: (315) 445-2543

Date Due:	14-Mar-05 17:00 (7 day TAT)		
Received By:	Mariel Melendez	Date Received:	03-Mar-05 09:47
Logged In By:	Mary Demaio	Date Logged In:	07-Mar-05 10:32

Samples Received at:	1°C		
Containers Intact	Yes	Received On Ice	Yes
Properly Labeled	Yes	Recd within hold tir	Yes
COC/Labels Agree	Yes		
Chains/Labels Agre	Yes		

Analysis	Due	TAT	Expires	Comments
SA24891-01 AX-MW-8S (030205) [Aqueous / Ground Water] Sampled 02-Mar-05 12:10 Eastern				
0B Full List	14-Mar-05 16:00	7	16-Mar-05 12:10	Tier III data deliverable ASP B
SA24891-02 AX-MW-9S (030205) [Aqueous / Ground Water] Sampled 02-Mar-05 10:52 Eastern				
8260B Full List	14-Mar-05 16:00	7	16-Mar-05 10:52	Tier III data deliverable ASP B
SA24891-03 AX-MW-11S (030205) [Aqueous / Ground Water] Sampled 02-Mar-05 12:30 Eastern				
8260B Full List	14-Mar-05 16:00	7	16-Mar-05 12:30	Tier III data deliverable ASP B
SA24891-04 AX-DUPE (030205) [Aqueous / Ground Water] Sampled 02-Mar-05 12:00 Eastern				
8260B Full List	14-Mar-05 16:00	7	16-Mar-05 12:00	Tier III data deliverable ASP B
SA24891-05 AX-TB (030205) [Aqueous / Ground Water] Sampled 02-Mar-05 00:00 Eastern				
8260B Full List	14-Mar-05 16:00	7	16-Mar-05 00:00	Tier III data deliverable ASP B

Reviewed By

Date

SPECTRUM ANALYTICAL, INC.

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HANIBAL TECHNOLOGY

SAMPLE INTEGRITY FORM

Sample ID			Preservative Added					Notes:
	Initial pH	Sample split	50% HCl	50% H_2SO_4	50% NaOH	50% HNO_3	Final pH	Work Order No. A24891

Solid samples for VOC analyses: Submitted in SA provided $CH_3OH/NaHSO_4$ vials _____
Submitted in $CH_3OH/NaHSO_4$, not SA vials _____
Not submitted in $CH_3OH/NaHSO_4$ _____

Notes: _____

_____

_____

_____

Login Analyst Initials: DMC Date: 3/7/05

ENVIRONMENTAL ANALYSES

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830 Silver Street • Agawam, Massachusetts 01001 • Administrative Offices, Volatile & Air Departments
1-800-789-9115 • 413-789-9018 • Fax 413-789-4076

TRANSMISSION REPORT

(WED) MAR 16 2005 17:22
SPECTRUM ANALYTICAL

USER NAME :
DESTINATION : 13154452543
DEST. NUMBER : 13154452543
F CODE :

DOCUMENT# : 5510232-459
TIME STORED : 17:17, 3/16
TIME SENT : 17:17, 3/16
DURATION : 4min, 51sec
MODE : ECM

PAGES : 18 sheets
RESULT : OK

Report Date:
16-Mar-05 11:19

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

Laboratory Report

Environmental Resources Management
5788 Widewaters Pkwy
Dewitt, NY 13214
Attn: Chris Wunderlich

Project: Axelrod Facility - Albany, NY
Project #: 0028595

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA24891-01	AX-MW-8S (030205)	Ground Water	02-Mar-05 12:10	03-Mar-05 09:47
SA24891-02	AX-MW-9S (030205)	Ground Water	02-Mar-05 10:52	03-Mar-05 09:47
SA24891-03	AX-MW-11S (030205)	Ground Water	02-Mar-05 12:30	03-Mar-05 09:47
SA24891-04	AX-DUPE (030205)	Ground Water	02-Mar-05 12:00	03-Mar-05 09:47
SA24891-05	AX-TB (030205)	Ground Water	02-Mar-05 00:00	03-Mar-05 09:47

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. All applicable NELAC requirements have been met.
Please note that this report contains 17 pages of analytical data plus Chain of Custody document(s).
This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Massachusetts Certification # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538/2972
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

ACCREDITED IN ACCORDANCE WITH

Spectrum Analytical, Inc. is a NELAC accredited laboratory org logo however does not insure that Spectrum is currently accredit webpage at www.spectrum-analytical.com for a full listing of our

Authorized by:

Please Note: Data contained within this report has undergone primary validation but may be subject to change pending final validation and QC review.

Confidentiality Statement

The information contained in this transmission is intended for the exclusive use of the individual named above and is privileged and confidential. If you are not the intended recipient, you are hereby notified that any form of dissemination of this communication is strictly prohibited. If you have received this transmission in error, please immediately notify Spectrum Analytical at (413) 789-9018.

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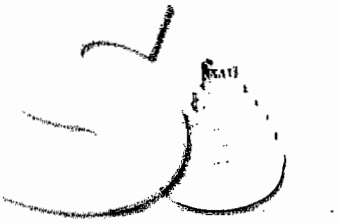
YTah #11393/11840



SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Standard Laboratory Report

ACCREDITED IN ACCORDANCE WITH nelac
Y Lab #11393/11840

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

SA-24891

Analytical Data Summary

X	***Volatile Organics***
	Semi-Volatile Organics
	Metals
	Wet Chemistry

ACCREDITED IN ACCORDANCE WITH nelac

Y Lab #11393/11840

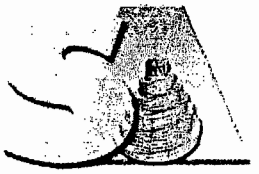
SPECTRUM ANALYTICAL, INC.

Featuring

HANIBAL TECHNOLOGY

Analytical Data Summary

Quality Control Summary



SPECTRUM ANALYTICAL, INC.

featuring

HANIBAL TECHNOLOGY

VOLATILE ORGANIC WATER SYSTEM MONITORING COMPOUND RECOVERY SUMMARY

Lab Name: Spectrum Analytical, Inc. **Lab Code:** M-MA138/MA1110

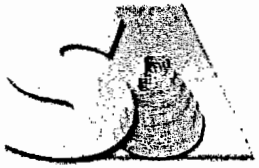
Lab Sample No.	SMC1 (BFB) #	SMC2 (TOL) #	SMC3 (12DCA) #	SMC4 (DBFM) #	TOTAL OUT
0503064-CCV1	104	100	100	102	0
5030923-BLK1	101	97	98	100	0
5030923-BS1	103	99	100	102	0
5030923-BSD1	103	101	98	100	0
5030923-MS1	103	99	101	103	0
5030923-MSD1	104	99	103	103	0
AX-MW-8S (030205)	100	96	97	100	0
AX-MW-9S (030205)	103	99	99	102	0
AX-MW-11S (030205)	99	97	97	100	0
AX-DUPE (030205)	102	98	102	103	0
AX-TB (030205)	101	97	101	102	0

		QC Limits
SMC1 (BFB) =	4-Bromofluorobenzene	(70-130)
SMC2 (TOL) =	Toluene-d8	(70-130)
SMC3 (12DCA) =	1,2-Dichloroethane-d4	(70-130)
SMC4 (DBFM) =	Dibromofluoromethane	(70-130)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out



SPECTRUM ANALYTICAL, INC.

featuring

HANIBAL TECHNOLOGY

VOLATILE ORGANIC WATER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY SUMMARY

Lab Name: Spectrum Analytical, Inc. **Lab Code:** M-MA138/MA1110

Batch No.: 5030923 **Source Sample ID:** SA24891-02

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	MS Concentration (ug/L)	MS % # Rec.	QC Limits Rec.
Benzene	20.00	BRL	19.7	98.5	70 - 130
Chlorobenzene	20.00	BRL	21.4	107	70 - 130
1,1-Dichloroethene	20.00	BRL	17.9	89.5	70 - 130
Toluene	20.00	BRL	20.3	102	70 - 130
Trichloroethene	20.00	BRL	19.4	97.0	70 - 130

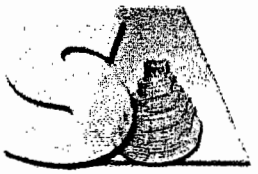
Compound	Spike Added (ug/L)	MSD Concentration (ug/L)	MSD % # Rec.	% # RPD	QC Limits RPD	QC Limits Rec.
Benzene	20.00	19.5	97.5	1.02	30	70 - 130
Chlorobenzene	20.00	21.0	105	1.89	30	70 - 130
1,1-Dichloroethene	20.00	17.4	87.0	2.83	30	70 - 130
Toluene	20.00	20.1	100	1.98	30	70 - 130
Trichloroethene	20.00	19.2	96.0	1.04	30	70 - 130

Column to be used to flag recovery and RPD values

* Values outside of QC limits

RPD: 0 out of 5 outside limits **Spike Recovery:** 0 out of 10 outside limits

Comments:



SPECTRUM ANALYTICAL, INC.

featuring

HANIBAL TECHNOLOGY

VOLATILE ORGANIC METHOD BLANK SUMMARY

QC Sample ID: **5030923-BLK1**

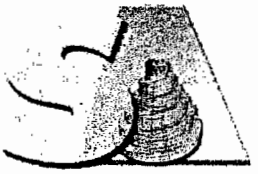
Lab Name: Spectrum Analytical, Inc. **Date Analyzed:** 03/15/2005

Lab Code: M-MA138/MA1110 **Time Analyzed:** 8:58

Lab File ID: hp10315b.D **Instrument ID:**

This method blank applies to the following sample analyses:

Lab Sample No.	Client Sample ID	Lab File ID	Time Analyzed
5030923-BS1	LCS	lcs0315a.D	9:46
5030923-BSD1	LCS Dup	lcs0315b.D	10:14
5030923-MS1	Matrix Spike	2489102m.D	12:37
5030923-MSD1	Matrix Spike Dup	2489102r.D	13:01
SA24891-01	AX-MW-8S (030205)	2489101d.D	10:38
SA24891-02	AX-MW-9S (030205)	2489102d.D	11:02
SA24891-03	AX-MW-11S (030205)	2489103d.D	11:26
SA24891-04	AX-DUPE (030205)	2489104d.D	11:50
SA24891-05	AX-TB (030205)	2489105d.D	12:13



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HANIBAL TECHNOLOGY

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

QC Sample ID: 0503064-TUN1

Lab Name: Spectrum Analytical, Inc. **Date Analyzed:** 03/15/2005

Lab Code: M-MA138/MA1110 **Time Analyzed:** 8:58

Lab File ID: hp10315b.D **Instrument ID:**

m/e	Ion Abundance Criteria	% Relative Abundance
50	15.0 - 40.0% of mass 95	16.5
75	30.0 - 60.0% of mass 95	40.6
95	100.0 - 100.0% of mass 95	100
96	5.0 - 9.0% of mass 95	6.74
173	0.0 - 2.0% of mass 174	0.583
174	50.0 - 100.0% of mass 95	80.6
175	5.0 - 9.0% of mass 174	6.88
176	95.0 - 101.0% of mass 174	98.3
177	5.0 - 9.0% of mass 176	5.84

This check applies to the following samples, blanks, and standards:

Lab Sample No.	Client Sample ID	Lab File ID	Date Analyzed	Time Analyzed
0503064-CCV1	Calibration Check	ccc0315a.D	03/15/2005	9:22
5030923-BLK1	Blank	hp10315b.D	03/15/2005	8:58
5030923-BS1	LCS	lcs0315a.D	03/15/2005	9:46
5030923-BSD1	LCS Dup	lcs0315b.D	03/15/2005	10:14
5030923-MS1	Matrix Spike	2489102m.D	03/15/2005	12:37
5030923-MSD1	Matrix Spike Dup	2489102r.D	03/15/2005	13:01
SA24891-01	AX-MW-8S (030205)	2489101d.D	03/15/2005	10:38
SA24891-02	AX-MW-9S (030205)	2489102d.D	03/15/2005	11:02
SA24891-03	AX-MW-11S (030205)	2489103d.D	03/15/2005	11:26
SA24891-04	AX-DUPE (030205)	2489104d.D	03/15/2005	11:50
SA24891-05	AX-TB (030205)	2489105d.D	03/15/2005	12:13

SPECTRUM ANALYTICAL, INC.

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HANIBAL TECHNOLOGY

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. **Instrument ID:** HPV1

Lab Code: M-MA138/MA1110 **Calibration Date:** 3/8/2005

Calibration: 0503022 **Analysis:** 8260B Full List

Compound	RRF 0.5	RRF 1	RRF 2	RRF 10	RRF 20	RRF 50	RRF 100	RRF 200		RRF	% RSD
Acetone			0.061	0.035	0.022	0.025		0.017		0.032	LR - 0.990
Acrylonitrile	0.108	0.085	0.082	0.065	0.068	0.064	0.068	0.069		0.076	LR - 1.000
Benzene	1.092	0.979	0.956	0.960	0.961	0.933	0.995	0.959		0.979	4.98
Bromobenzene	0.747	0.641	0.628	0.607	0.628	0.614	0.651	0.588		0.638	7.58
Bromochloromethane	0.119	0.115	0.111	0.110	0.111	0.105	0.113	0.112		0.112	3.67
Bromodichloromethane	0.251	0.236	0.229	0.232	0.242	0.239	0.262	0.272		0.245	6.10
Bromoform *	0.243	0.193	0.190	0.174	0.187	0.200	0.221	0.209		0.202	10.85
Bromomethane		0.167	0.144	0.120	0.124	0.124	0.128	0.129		0.134	12.43
2-Butanone (MEK)			0.137	0.110	0.089	0.095		0.079		0.102	LR - 0.998
n-Butylbenzene	2.752	2.054	2.474	2.298	2.138	2.089	2.319	2.111		2.279	10.47
sec-Butylbenzene	2.985	2.250	2.341	2.237	2.100	2.228	2.558	2.205		2.363	12.04
tert-Butylbenzene	1.967	1.623	1.645	1.556	1.477	1.540	1.721	1.515		1.631	9.63
Carbon disulfide	0.703	0.637	0.670	0.680	0.690	0.664	0.717	0.687		0.681	3.60
Carbon tetrachloride	0.193	0.179	0.177	0.188	0.200	0.203	0.233	0.232		0.201	10.75
Chlorobenzene *	2.072	1.787	1.820	1.729	1.713	1.634	1.681	1.463		1.737	10.01
Chloroethane	0.160	0.140	0.155	0.143	0.144	0.138	0.144	0.144		0.146	5.17
Chloroform *		0.447	0.405	0.368	0.365	0.352	0.379	0.370		0.384	8.40
Chloromethane *	0.315	0.290	0.277	0.268	0.267	0.257	0.276	0.272		0.278	6.42
2-Chlorotoluene	2.024	1.740	1.710	1.670	1.739	1.749	1.885	1.725		1.780	6.54
4-Chlorotoluene	2.146	1.748	1.747	1.690	1.745	1.807	1.994	1.833		1.839	8.40
1,2-Dibromo-3-chloropropane		0.092	0.104	0.077	0.077	0.077	0.084	0.084		0.085	11.69
Dibromochloromethane	0.155	0.150	0.139	0.145	0.154	0.163	0.183	0.195		0.160	LR - 0.998

VOLATILE ORGANIC INITIAL CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. **Instrument ID:** HPV1

Lab Code: M-MA138/MA1110 **Calibration Date:** 3/8/2005

Calibration: 0503022 **Analysis:** 8260B Full List

Compound	RRF 0.5	RRF 1	RRF 2	RRF 10	RRF 20	RRF 50	RRF 100	RRF 200		$\overline{RRF}$	% RSD
1,2-Dibromoethane (EDB)	0.226	0.191	0.181	0.180	0.184	0.176	0.190	0.190		0.190	8.24
Dibromomethane	0.133	0.122	0.120	0.114	0.113	0.108	0.116	0.115		0.118	6.29
1,2-Dichlorobenzene	1.754	1.456	1.641	1.462	1.479	1.407	1.430	1.291		1.490	9.65
1,3-Dichlorobenzene	1.328	1.150	1.109	1.064	1.077	1.101	1.191	1.047		1.133	8.08
1,4-Dichlorobenzene	1.999	1.629	1.636	1.530	1.534	1.458	1.499	1.351		1.579	12.20
Dichlorodifluoromethane (Freon1	0.225	0.218	0.201	0.199	0.199	0.179	0.203	0.185		0.201	7.61
1,1-Dichloroethane *	0.413	0.406	0.392	0.390	0.394	0.378	0.408	0.400		0.398	2.81
1,2-Dichloroethane	0.283	0.269	0.263	0.252	0.255	0.242	0.261	0.261		0.261	4.61
1,1-Dichloroethene *	0.248	0.211	0.199	0.200	0.202	0.192	0.207	0.193		0.206	8.73
cis-1,2-Dichloroethene	0.251	0.246	0.249	0.246	0.249	0.238	0.255	0.242		0.247	2.11
trans-1,2-Dichloroethene	0.238	0.235	0.243	0.229	0.236	0.226	0.242	0.231		0.235	2.56
1,2-Dichloropropane *	0.249	0.238	0.236	0.231	0.233	0.226	0.242	0.238		0.237	2.99
1,3-Dichloropropane	0.386	0.362	0.336	0.320	0.326	0.316	0.333	0.333		0.339	6.90
2,2-Dichloropropane	0.293	0.297	0.272	0.280	0.282	0.274	0.303	0.289		0.286	3.91
1,1-Dichloropropene	0.334	0.311	0.290	0.300	0.300	0.287	0.308	0.292		0.303	4.96
cis-1,3-Dichloropropene	0.340	0.344	0.327	0.344	0.357	0.351	0.378	0.377		0.352	5.02
trans-1,3-Dichloropropene	0.297	0.276	0.276	0.282	0.290	0.291	0.317	0.321		0.294	5.84
Ethylbenzene *	3.182	2.717	2.759	2.751	2.816	2.781	2.911	2.543		2.807	6.54
Hexachlorobutadiene		0.492	0.518	0.455	0.423	0.405	0.431	0.373		0.442	11.28
2-Hexanone (MBK)			0.156	0.130	0.110	0.128		0.117		0.129	13.63
Isopropylbenzene	2.651	2.256	2.245	2.151	2.183	2.215	2.385	2.143		2.278	7.41
4-Isopropyltoluene	3.080	2.495	2.833	2.595	2.441	2.414	2.642	2.333		2.604	9.50
Methyl tert-butyl ether	0.689	0.532	0.530	0.501	0.517	0.497	0.533	0.540		0.543	11.30
4-Methyl-2-pentanone (MIBK)	0.221	0.185	0.182	0.147	0.151	0.154	0.173	0.177		0.174	13.86
Methylene chloride	0.339	0.300	0.262	0.238	0.241	0.227	0.246	0.241		0.262	14.62
Naphthalene		1.793	1.949	1.747	1.813	1.655	1.623	1.496		1.725	8.56
n-Propylbenzene	3.160	2.560	2.643	2.553	2.553	2.729	3.089	2.769		2.757	8.77
Styrene	1.577	1.501	1.491	1.640	1.732	1.763	1.876	1.712		1.662	8.09
1,1,1,2-Tetrachloroethane	0.430	0.426	0.418	0.424	0.441	0.446	0.487	0.463		0.442	5.30
1,1,2,2-Tetrachloroethane *		0.532	0.571	0.503	0.512	0.481	0.478	0.412		0.498	9.97
Tetrachloroethene	0.255	0.213	0.209	0.197	0.202	0.193	0.202	0.187		0.207	10.25

VOLATILE ORGANIC INITIAL CALIBRATION DATA

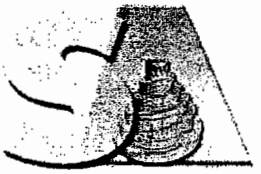
Lab Name: Spectrum Analytical, Inc. **Instrument ID:** HPV1

Lab Code: M-MA138/MA1110 **Calibration Date:** 3/8/2005

Calibration: 0503022 **Analysis:** 8260B Full List

Compound	RRF 0.5	RRF 1	RRF 2	RRF 10	RRF 20	RRF 50	RRF 100	RRF 200		RRF	% RSD
Toluene *	0.757	0.607	0.626	0.640	0.653	0.634	0.669	0.627		0.652	7.12
1,2,3-Trichlorobenzene	1.000	0.828	0.924	0.824	0.830	0.754	0.764	0.700		0.828	11.62
1,2,4-Trichlorobenzene	1.072	0.809	0.956	0.903	0.909	0.840	0.857	0.786		0.891	10.30
1,1,1-Trichloroethane	0.294	0.287	0.280	0.279	0.290	0.280	0.308	0.301		0.290	3.70
1,1,2-Trichloroethane	0.180	0.155	0.153	0.152	0.152	0.145	0.153	0.152		0.155	6.70
Trichloroethene	0.293	0.251	0.237	0.227	0.233	0.223	0.234	0.222		0.240	9.74
Trichlorofluoromethane (Freon 11	0.337	0.303	0.277	0.279	0.280	0.264	0.294	0.271		0.288	8.08
1,2,3-Trichloropropane		0.450	0.465	0.404	0.397	0.377	0.389	0.361		0.406	9.36
1,2,4-Trimethylbenzene	2.082	1.763	1.901	1.838	1.819	1.865	2.121	1.913		1.913	6.58
1,3,5-Trimethylbenzene	2.196	1.882	1.936	1.939	1.908	1.964	2.184	1.942		1.994	6.20
Vinyl chloride *	0.070	0.074	0.064	0.059	0.060	0.056	0.059	0.058		0.063	10.25
m,p-Xylene	1.228	1.089	1.057	1.054	1.077	1.057	1.060	0.845		1.058	9.81
o-Xylene	1.171	1.059	1.005	1.018	1.063	1.051	1.081	0.928		1.047	6.63
4-Bromofluorobenzene	0.852	0.845	0.812	0.829	0.850	0.870	0.859	0.801		0.840	2.82
Toluene-d8	0.951	0.955	0.951	0.949	0.968	0.978	0.982	1.032		0.971	2.89
1,2-Dichloroethane-d4	0.202	0.209	0.204	0.204	0.206	0.203	0.209	0.218		0.207	2.47
Dibromofluoromethane	0.214	0.215	0.214	0.215	0.217	0.216	0.223	0.231		0.218	2.73

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



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HANIBAL TECHNOLOGY

VOLATILE ORGANIC CONTINUING CALIBRATION DATA

Lab Name: Spectrum Analytical, Inc. **Lab Code:** M-MA138/MA1110

Instrument ID: **Analyzed Date:** 3/15/2005

Sample ID: 0503064-CCV1 **File ID:** ccc0315a.D **Batch ID:** 5030923

Compound	$\overline{RRF}$	RRF50	MIN RRF	% D	MAX % D
Acetone	0.032	0.018		18.0 *	
Acrylonitrile	0.076	0.071		-0.5 *	
Benzene	0.979	0.967		1.2	
Bromobenzene	0.638	0.664		-4.1	
Bromochloromethane	0.112	0.113		-0.9	
Bromodichloromethane	0.245	0.267		-9.0	
Bromoform	0.202	0.266	0.10	-31.7	
Bromomethane	0.134	0.099		26.1	
2-Butanone (MEK)	0.102	0.080		6.6 *	
n-Butylbenzene	2.279	2.196		3.6	
sec-Butylbenzene	2.363	2.445		-3.5	
tert-Butylbenzene	1.631	1.694		-3.9	
Carbon disulfide	0.681	0.679		0.3	
Carbon tetrachloride	0.201	0.242		-20.4	
Chlorobenzene	1.737	1.709	0.30	1.6	
Chloroethane	0.146	0.138		5.5	
Chloroform	0.384	0.371		3.4	20
Chloromethane	0.278	0.265	0.10	4.7	
2-Chlorotoluene	1.780	1.854		-4.2	
4-Chlorotoluene	1.839	1.944		-5.7	
1,2-Dibromo-3-chloropropane	0.085	0.088		-3.5	
Dibromochloromethane	0.160	0.194		15.1 *	
1,2-Dibromoethane (EDB)	0.190	0.193		-1.6	
Dibromomethane	0.118	0.118		0.0	
1,2-Dichlorobenzene	1.490	1.454		2.4	
1,3-Dichlorobenzene	1.133	1.208		-6.6	
1,4-Dichlorobenzene	1.579	1.508		4.5	
Dichlorodifluoromethane (Freon12)	0.201	0.175		12.9	
1,1-Dichloroethane	0.398	0.391	0.10	1.8	
1,2-Dichloroethane	0.261	0.256		1.9	
1,1-Dichloroethene	0.206	0.200		2.9	20
cis-1,2-Dichloroethene	0.247	0.251		-1.6	
trans-1,2-Dichloroethene	0.235	0.235		0.0	
1,2-Dichloropropane	0.237	0.233		1.7	20
1,3-Dichloropropane	0.339	0.331		2.4	
2,2-Dichloropropane	0.286	0.283		1.0	
1,1-Dichloropropene	0.303	0.298		1.7	
cis-1,3-Dichloropropene	0.352	0.364		-3.4	

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HANIBAL TECHNOLOGY

VOLATILE ORGANIC CONTINUING CALIBRATION DATA

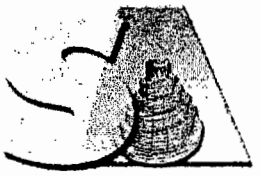
Lab Name: Spectrum Analytical, Inc. **Lab Code:** M-MA138/MA1110

Instrument ID: **Analyzed Date:** 3/15/2005

Sample ID: 0503064-CCV1 **File ID:** ccc0315a.D **Batch ID:** 5030923

Compound	$\overline{RRF}$	RRF50	MIN RRF	% D	MAX % D
trans-1,3-Dichloropropene	0.294	0.309		-5.1	
Ethylbenzene	2.807	2.882		-2.7	20
Hexachlorobutadiene	0.442	0.431		2.5	
2-Hexanone (MBK)	0.129	0.104		19.4	
Isopropylbenzene	2.278	2.366		-3.9	
4-Isopropyltoluene	2.604	2.547		2.2	
Methyl tert-butyl ether	0.543	0.524		3.5	
4-Methyl-2-pentanone (MIBK)	0.174	0.161		7.5	
Methylene chloride	0.262	0.239		8.8	
Naphthalene	1.725	1.717		0.5	
n-Propylbenzene	2.757	2.940		-6.6	
Styrene	1.662	1.858		-11.8	
1,1,1,2-Tetrachloroethane	0.442	0.515		-16.5	
1,1,2,2-Tetrachloroethane	0.498	0.499	0.30	-0.2	
Tetrachloroethene	0.207	0.199		3.9	
Toluene	0.652	0.656		-0.6	20
1,2,3-Trichlorobenzene	0.828	0.793		4.2	
1,2,4-Trichlorobenzene	0.891	0.877		1.6	
1,1,1-Trichloroethane	0.290	0.306		-5.5	
1,1,2-Trichloroethane	0.155	0.153		1.3	
Trichloroethene	0.240	0.233		2.9	
Trichlorofluoromethane (Freon 11)	0.288	0.281		2.4	
1,2,3-Trichloropropane	0.406	0.415		-2.2	
1,2,4-Trimethylbenzene	1.913	2.085		-9.0	
1,3,5-Trimethylbenzene	1.994	2.172		-8.9	
Vinyl chloride	0.063	0.056		11.1	20
m,p-Xylene	1.058	1.099		-3.9	
o-Xylene	1.047	1.106		-5.6	
4-Bromofluorobenzene	0.840				
Toluene-d8	0.971				
1,2-Dichloroethane-d4	0.207				
Dibromofluoromethane	0.218				

* denotes percent drift due to regression fit calibration



SPECTRUM ANALYTICAL, INC.

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HANIBAL TECHNOLOGY

VOLATILE ORGANIC INTERNAL STANDARD AREA & RT SUMMARY

Lab Name: Spectrum Analytical, Inc. **Lab Code:** M-MA138/MA1110

Lab File ID (Standard): 0503064-CCV1 **Date Analyzed:** 3/15/2005

	IS1 (FB) Area	#	RT	#	IS2 (CB-d5) Area	#	RT	#	IS3 (14DCB-d4) Area	#	RT	#
12 Hour Standard	2015537		6.56		832793		9.7		658184		12.05	
Upper Limit	4031074.0		7.06		1665586.0		10.20		1316368.0		12.55	
Lower Limit	1007768.5		6.06		416396.5		9.20		329092.0		11.55	
Lab Sample No.												
5030923-BLK1	2081577		6.56		817613		9.70		596965		12.04	
5030923-BS1	2033545		6.56		815239		9.70		599892		12.04	
5030923-BSD1	1927388		6.57		795867		9.71		586832		12.05	
5030923-MS1	2052803		6.56		822498		9.70		617198		12.04	
5030923-MSD1	2027730		6.56		820422		9.70		638040		12.04	
AX-MW-8S (030205)	2201691		6.56		836560		9.70		574652		12.05	
AX-MW-9S (030205)	1860623		6.56		740095		9.70		538985		12.05	
AX-MW-11S (030205)	2203708		6.56		839539		9.70		567872		12.04	
AX-DUPE (030205)	2012993		6.56		797949		9.70		556157		12.05	
AX-TB (030205)	2031181		6.56		802209		9.70		552918		12.05	

IS1 (FB) = Fluorobenzene
IS2 (CB-d5) = Chlorobenzene-d5
IS3 (14DCB-d4) = 1,4-Dichlorobenzene-d4

Area Upper Limit = + 100% of Internal Standard Area
Area Lower Limit = - 50% of Internal Standard Area
RT Upper Limit = + 0.50 minutes of Internal Standard Area
RT Lower Limit = - 0.50 minutes of Internal Standard Area

Column used to flag internal standard area values with *
* Values outside of QC limits

ACCREDITED IN ACCORDANCE WITH nelac

Lab #11393/11840

SPECTRUM ANALYTICAL, INC.

Featuring

HANIBAL TECHNOLOGY

Analytical Data Summary

Sample Data

Data Path : G:\Mar2005\HPV1\0315\
Data File : 2489101d.D
Acq On : 15 Mar 2005 10:38 am
Operator : RLJ
Sample : sa24891-01 @ ax-mw-8s (030205) r-- 8260w
Misc : 1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 30 10:00:34 2005
Quant Method : C:\MSDCHEM\1\METHODS\V1030805.M
Quant Title : Volatile Organics-GC/MS
QLast Update : Wed Mar 30 09:29:21 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.56	96	2201691	50.00	ug/L	0.00
50) Chlorobenzene-d5	9.70	82	836560	50.00	ug/L	0.00
71) 1,4-Dichlorobenzene-d4	12.05	152	574652	50.00	ug/L	0.00
System Monitoring Compounds						
25) Dibromofluoromethane	5.19	111	479525	49.92	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.84%			
27) 1,2-Dichloroethane-d4	5.69	65	442344	48.52	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 97.04%			
40) Toluene-d8	8.38	98	2048431	47.92	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 95.84%			
59) 4-Bromofluorobenzene	10.85	95	699078	49.76	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.52%			
Target Compounds						Qvalue
4) Vinyl chloride	1.61	62	1798	0.65	ug/L	76
8) Acetone	2.50	58	2174	2.80	ug/L	82
9) Ethyl ether	2.62	74	4752636	849.83	ug/L	91
11) Tert-Butanol / butyl alcoh	2.93	59	24980	51.71	ug/L #	75
15) Methyl tert-butyl ether	3.94	73	16356	0.68	ug/L	99
16) trans-1,2-Dichloroethene	3.73	96	5380	0.52	ug/L	91
17) 2-Butanone (MEK)	4.75	43	966790	273.61	ug/L #	52
18) Di-isopropyl ether	4.75	45	2723981	81.26	ug/L	96
22) cis-1,2-Dichloroethene	4.79	96	16246	1.49	ug/L	88
26) Tetrahydrofuran	5.41	42	3145	1.51	ug/L #	70
32) Benzene	6.30	78	30490	0.71	ug/L	99
34) Trichloroethene	6.99	95	7914	0.75	ug/L #	83
38) 1,4-Dioxane	7.19	88	1340954	14293.20	ug/L #	99
54) m,p-Xylene	10.14	106	25091	1.42	ug/L	97
80) Naphthalene	14.31	128	18830	0.95	ug/L	100

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

Quantitation Report (QT Reviewed)

Data P : G:\Mar2005\HPV1\0315\
Data File : 2489101d.D
Acq On : 15 Mar 2005 10:38 am
Operator : RLJ
Sample : sa24891-01 @ ax-mw-8s (030205) r-- 8260w
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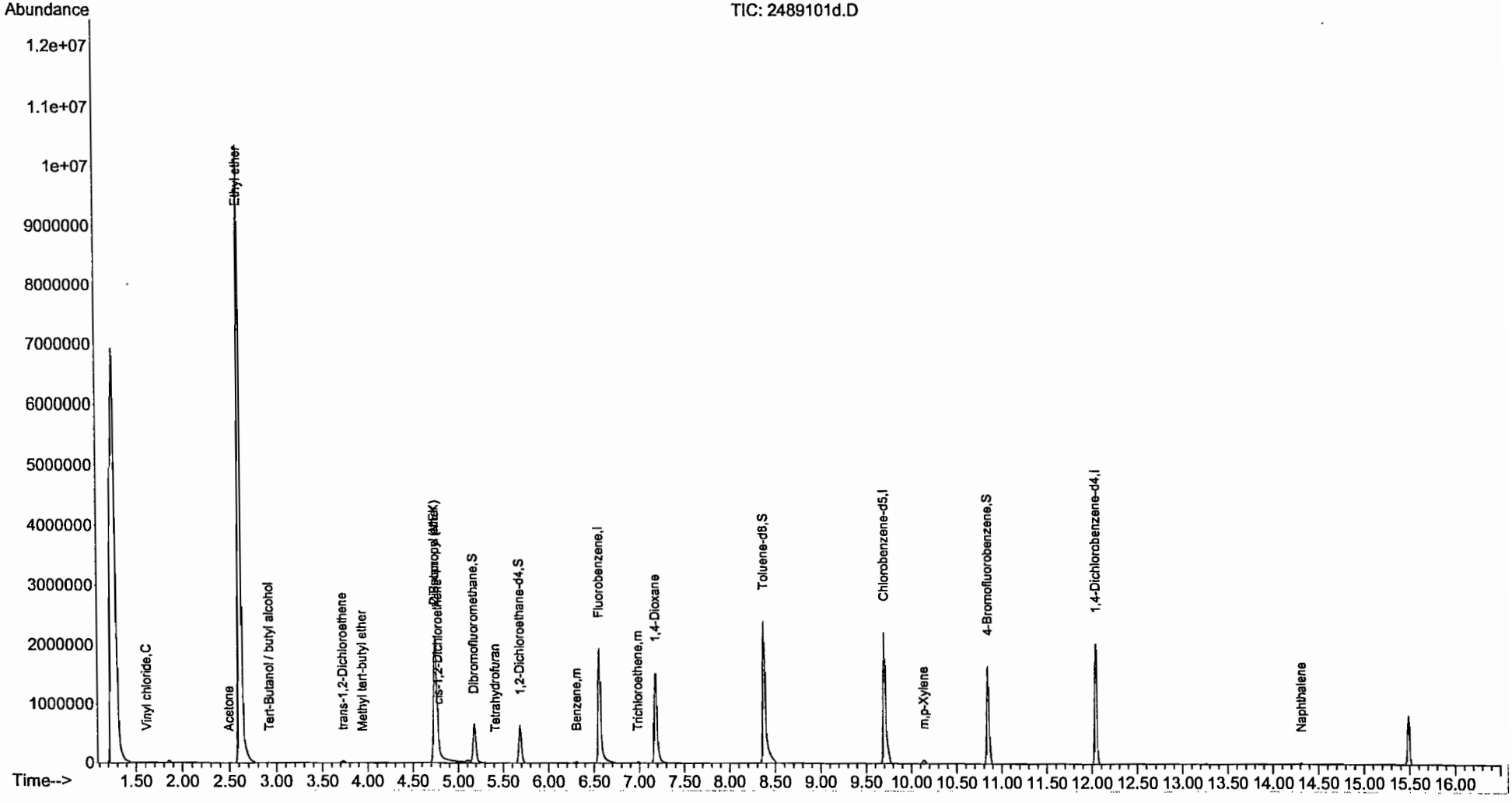
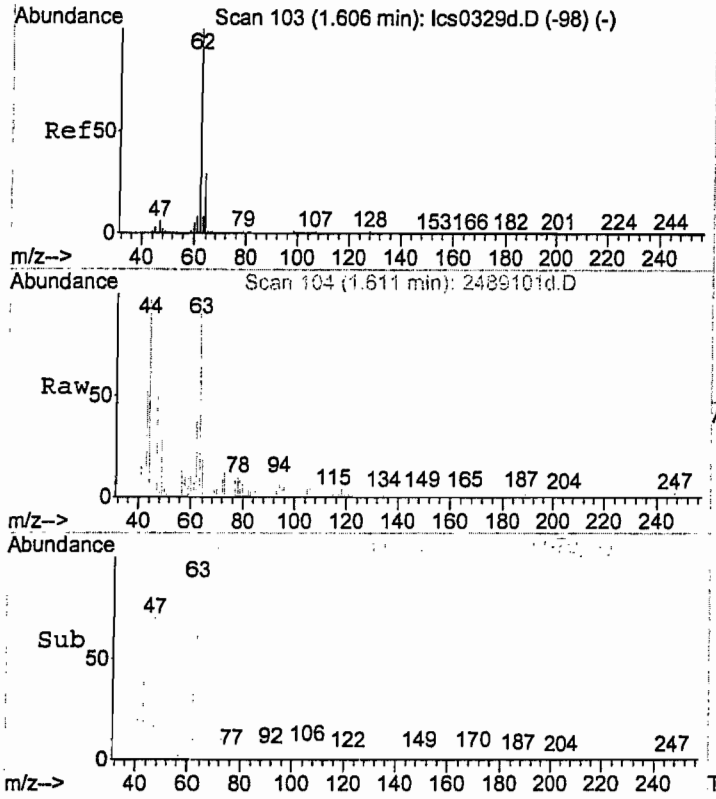
Quant Time: Mar 30 10:00:34 2005
Quant Method : C:\MSDCHEM\1\METHODS\V1030805.M
Quant Title : Volatile Organics-GC/MS
QLast Update : Wed Mar 30 09:29:21 2005
Response via : Initial Calibration

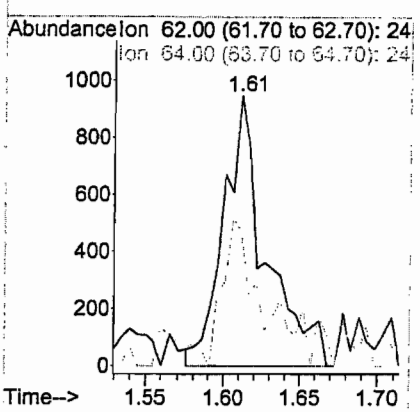


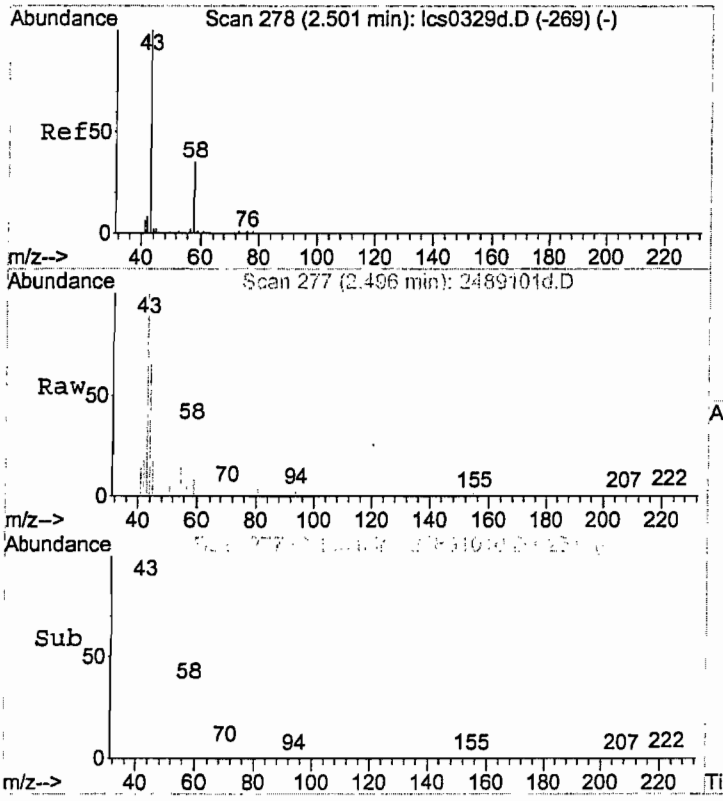


#4
Vinyl chloride
Concen: 0.65 ug/L
RT: 1.61 min Scan# 104
Delta R.T. 0.00 min
Lab File: 2489101d.D
Acq: 15 Mar 2005 10:38 am

Tgt Ion: 62 Resp: 1798

Ion	Ratio	Lower	Upper
62	100		
64	42.4	9.5	49.5

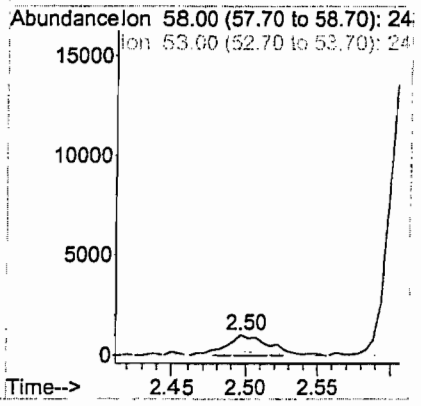


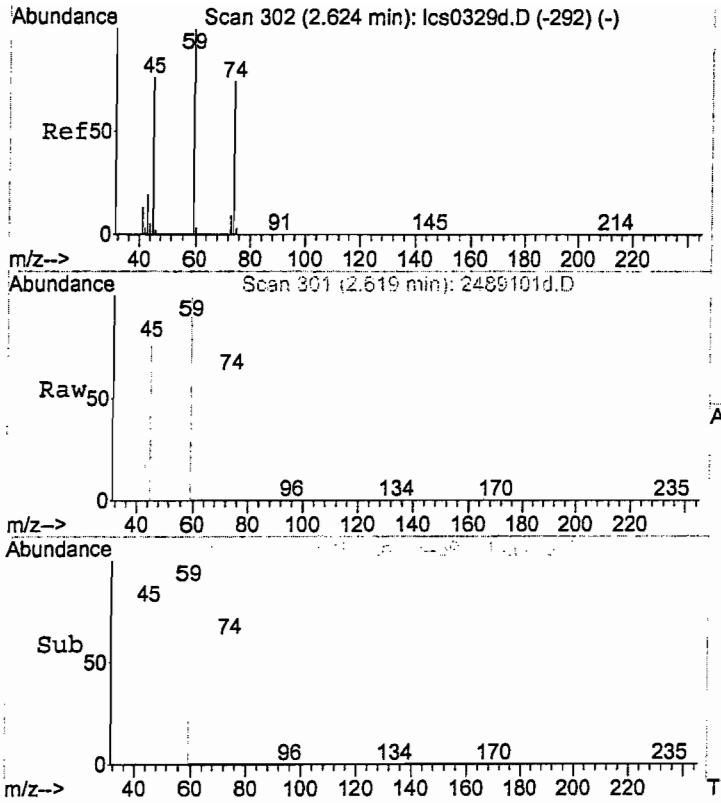


#8
Acetone
Concen: 2.80 ug/L
RT: 2.50 min Scan# 277
Delta R.T. -0.01 min
Lab File: 2489101d.D
Acq: 15 Mar 2005 10:38 am

Tgt Ion: 58 Resp: 2174

Ion	Ratio	Lower	Upper
58	100		
53	8.5	0.0	21.4

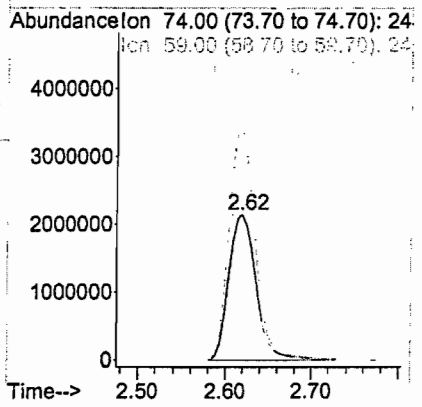


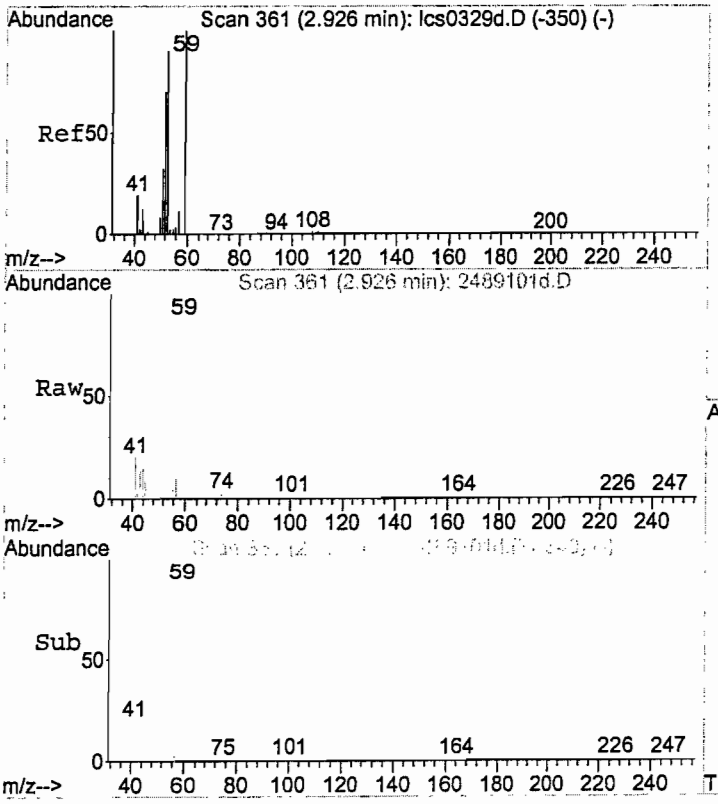


#9
Ethyl ether
Concen: 849.83 ug/L
RT: 2.62 min Scan# 301
Delta R.T. -0.00 min
Lab File: 2489101d.D
Acq: 15 Mar 2005 10:38 am

Tgt Ion: 74 Resp: 4752636

Ion	Ratio	Lower	Upper
74	100		
59	152.7	113.2	169.8
45	119.5	88.6	133.0

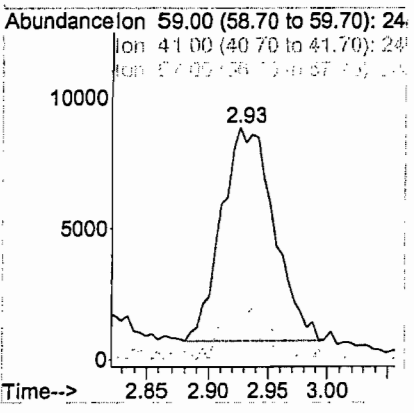


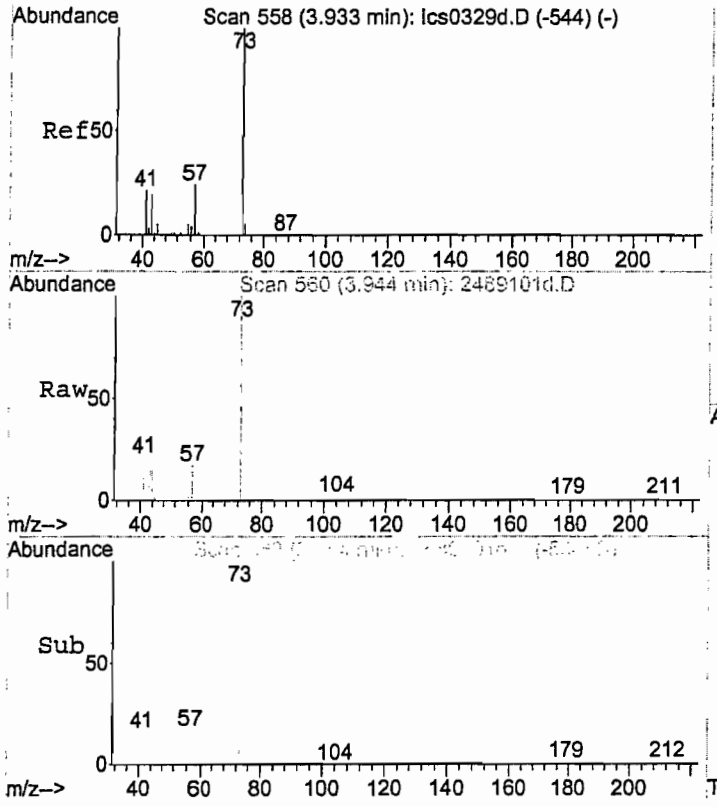


#11
Tert-Butanol / butyl alcohol
Concen: 51.71 ug/L
RT: 2.93 min Scan# 361
Delta R.T. -0.02 min
Lab File: 2489101d.D
Acq: 15 Mar 2005 10:38 am

Tgt Ion: 59 Resp: 24980

Ion	Ratio	Lower	Upper
59	100		
41	23.1	7.8	11.6#
57	6.4	4.0	6.0#

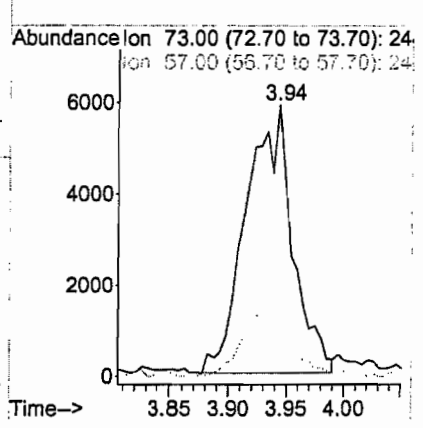


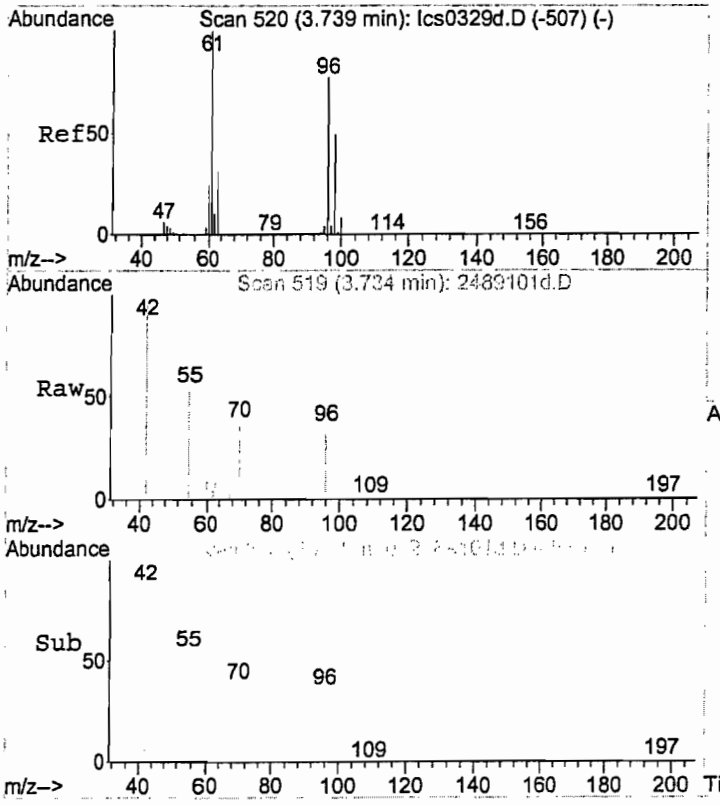


#15
Methyl tert-butyl ether
Concen: 0.68 ug/L
RT: 3.94 min Scan# 560
Delta R.T. 0.01 min
Lab File: 2489101d.D
Acq: 15 Mar 2005 10:38 am

Tgt Ion: 73 Resp: 16356

Ion	Ratio	Lower	Upper
73	100		
57	25.4	19.9	29.9

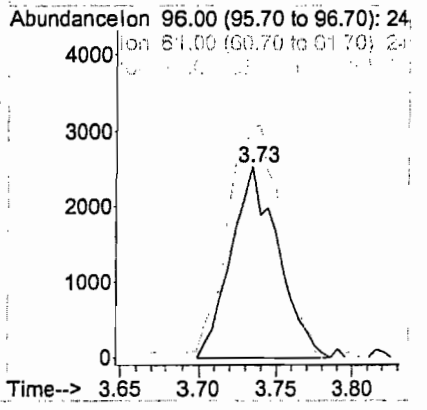


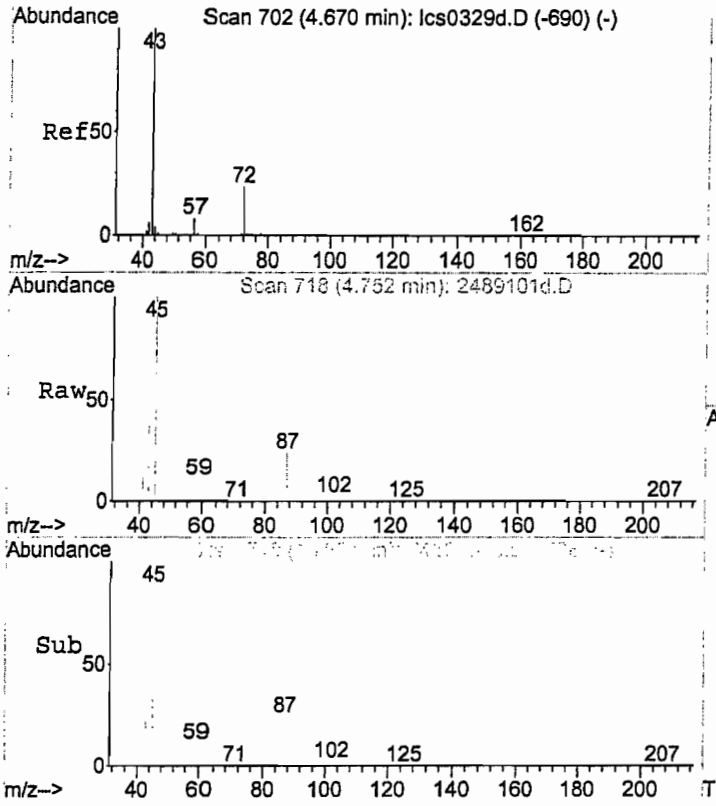


#16
trans-1,2-Dichloroethene
Concen: 0.52 ug/L
RT: 3.73 min Scan# 519
Delta R.T. -0.01 min
Lab File: 2489101d.D
Acq: 15 Mar 2005 10:38 am

Tgt Ion: 96 Resp: 5380

Ion	Ratio	Lower	Upper
96	100		
61	117.5	113.0	153.0
98	62.6	44.1	84.1

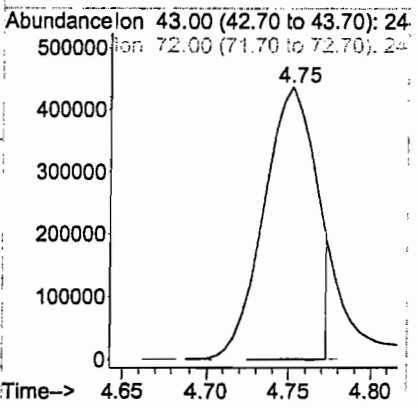


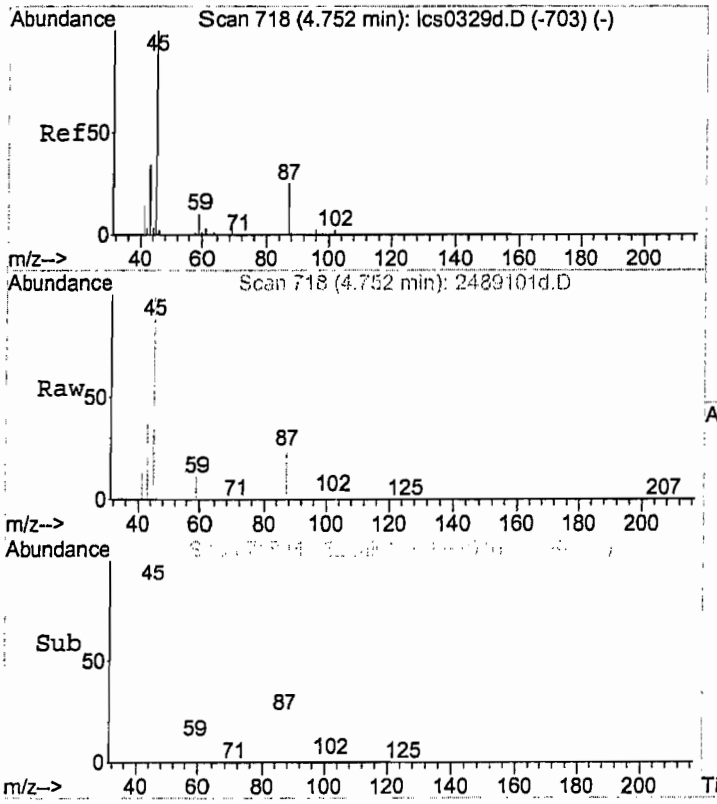


#17
2-Butanone (MEK)
Concen: 273.61 ug/L
RT: 4.75 min Scan# 718
Delta R.T. 0.08 min
Lab File: 2489101d.D
Acq: 15 Mar 2005 10:38 am

Tgt Ion: 43 Resp: 966790

Ion	Ratio	Lower	Upper
43	100		
72	0.5	4.1	44.1#

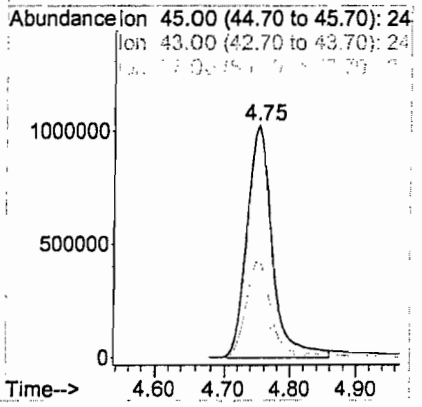


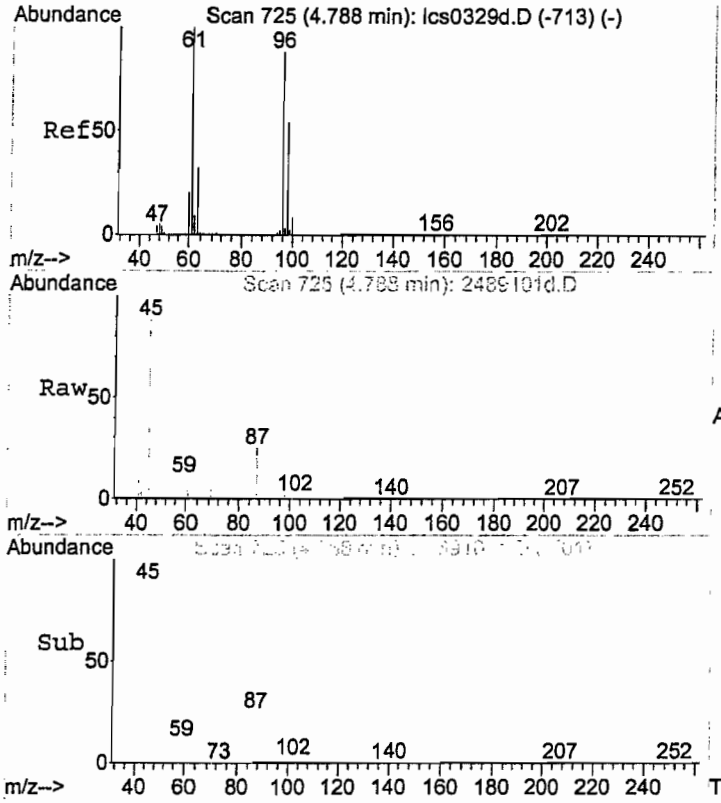


#18
Di-isopropyl ether
Concen: 81.26 ug/L
RT: 4.75 min Scan# 718
Delta R.T. -0.01 min
Lab File: 2489101d.D
Acq: 15 Mar 2005 10:38 am

Tgt Ion: 45 Resp: 2723981

Ion	Ratio	Lower	Upper
45	100		
43	42.0	30.5	45.7
87	23.9	18.8	28.2

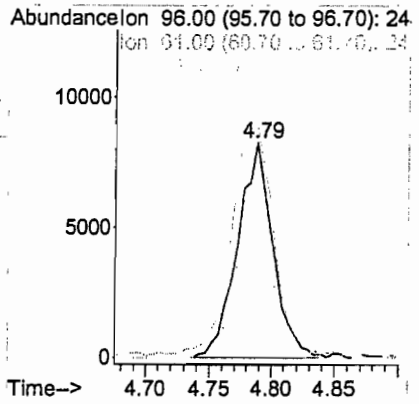


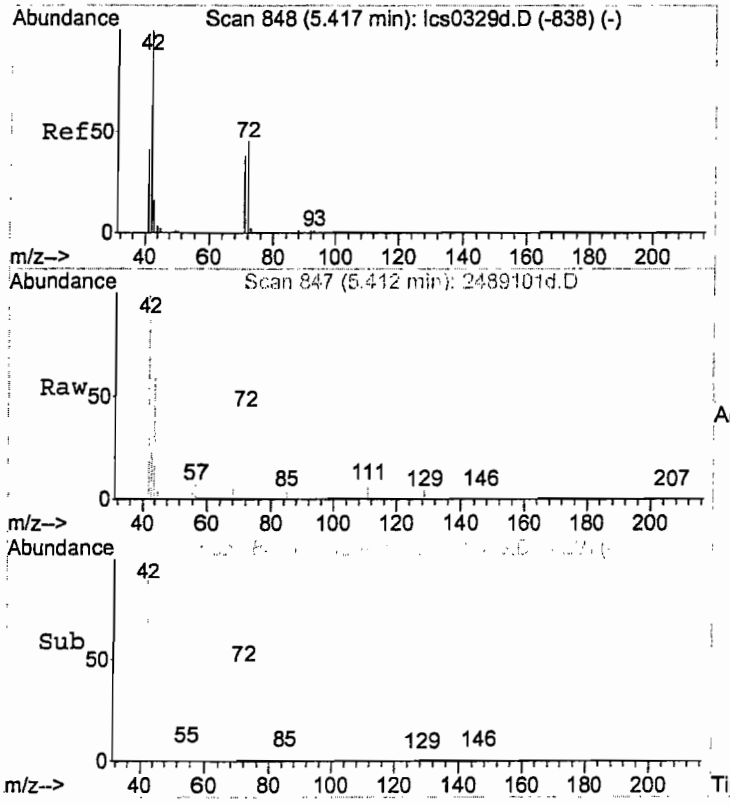


#22
cis-1,2-Dichloroethene
Concen: 1.49 ug/L
RT: 4.79 min Scan# 725
Delta R.T. -0.00 min
Lab File: 2489101d.D
Acq: 15 Mar 2005 10:38 am

Tgt Ion: 96 Resp: 16246

Ion	Ratio	Lower	Upper
96	100		
61	106.0	104.0	144.0
98	58.8	42.8	82.8

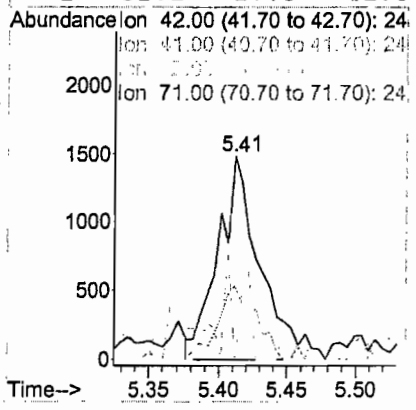


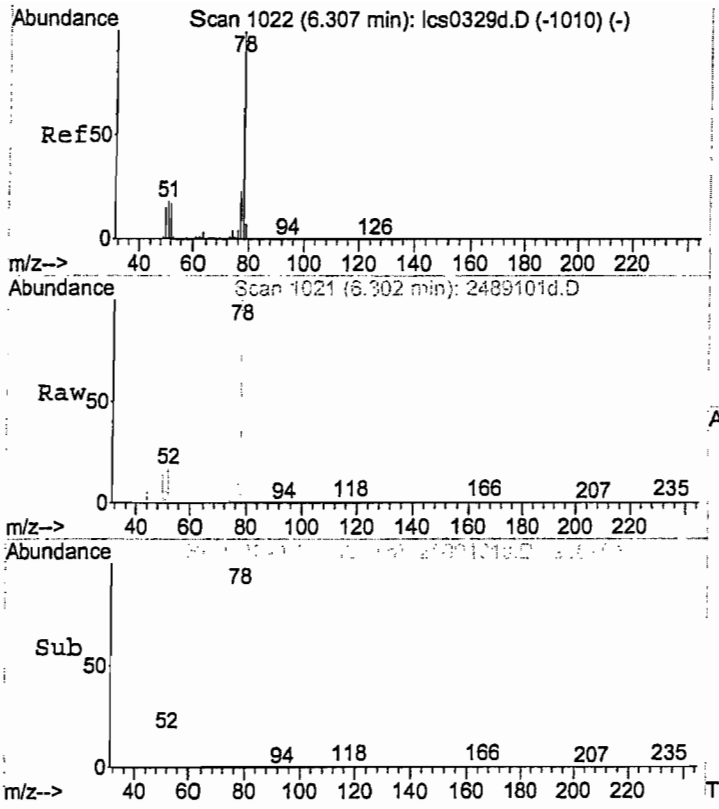


#26
Tetrahydrofuran
Concen: 1.51 ug/L
RT: 5.41 min Scan# 847
Delta R.T. 0.00 min
Lab File: 2489101d.D
Acq: 15 Mar 2005 10:38 am

Tgt Ion: 42 Resp: 3145

Ion	Ratio	Lower	Upper
42	100		
41	7.5	43.4	65.0#
72	36.9	30.7	46.1
71	32.1	27.8	41.6

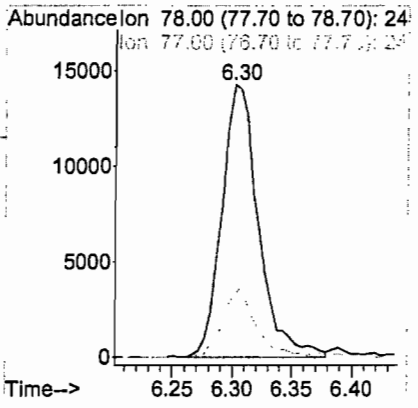


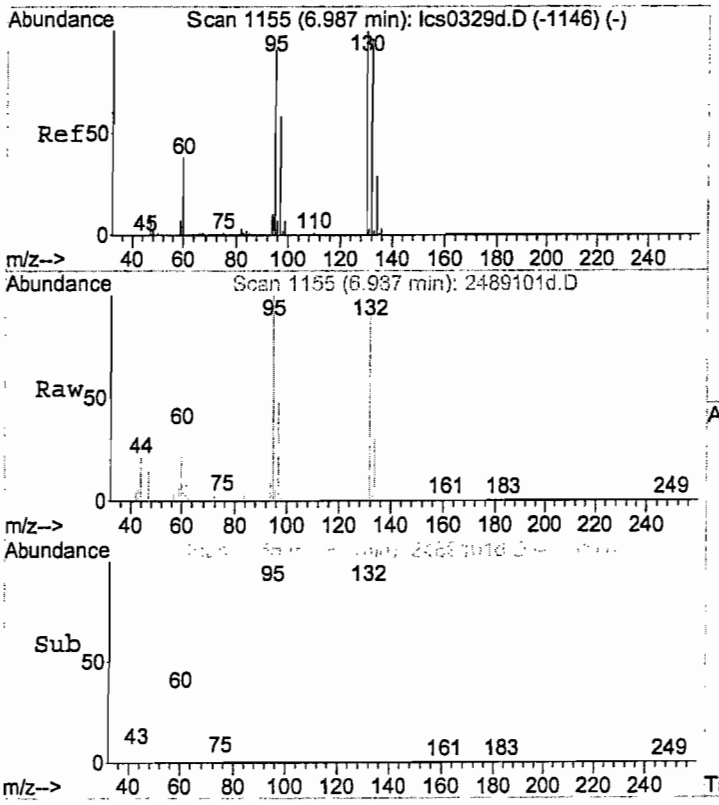


#32
Benzene
Concen: 0.71 ug/L
RT: 6.30 min Scan# 1021
Delta R.T. -0.01 min
Lab File: 2489101d.D
Acq: 15 Mar 2005 10:38 am

Tgt Ion: 78 Resp: 30490

Ion	Ratio	Lower	Upper
78	100		
77	22.8	2.3	42.3

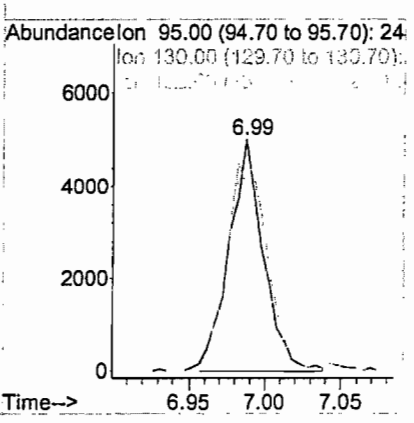


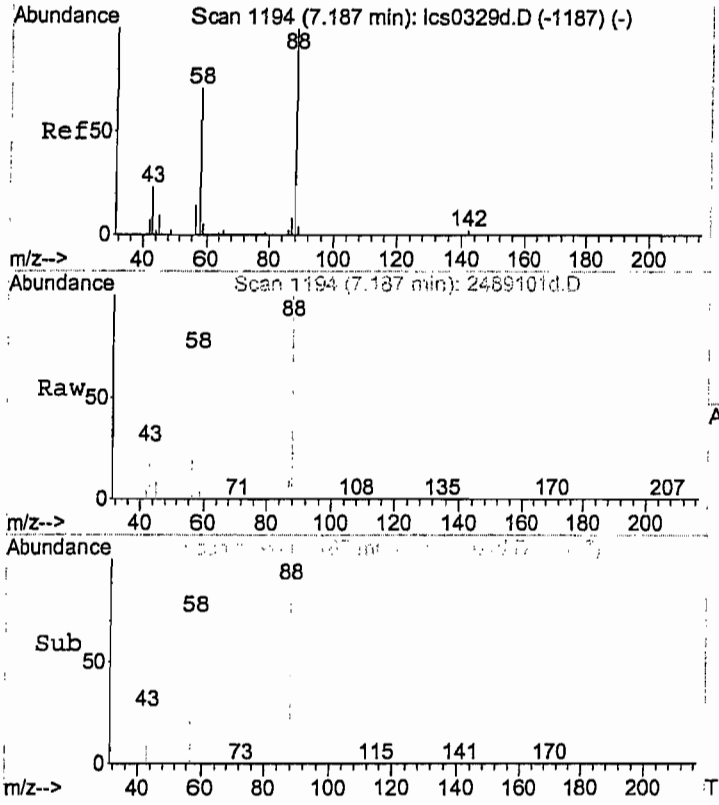


#34
Trichloroethene
Concen: 0.75 ug/L
RT: 6.99 min Scan# 1155
Delta R.T. -0.00 min
Lab File: 2489101d.D
Acq: 15 Mar 2005 10:38 am

Tgt Ion: 95 Resp: 7914

Ion	Ratio	Lower	Upper
95	100		
130	80.2	83.0	123.0#
132	89.4	80.2	120.2

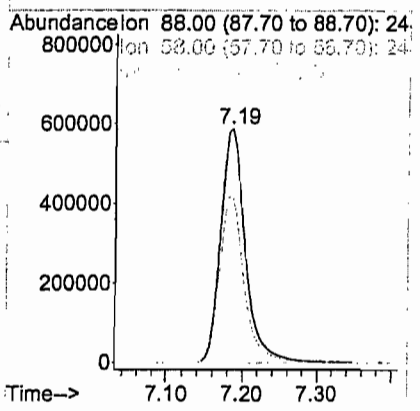


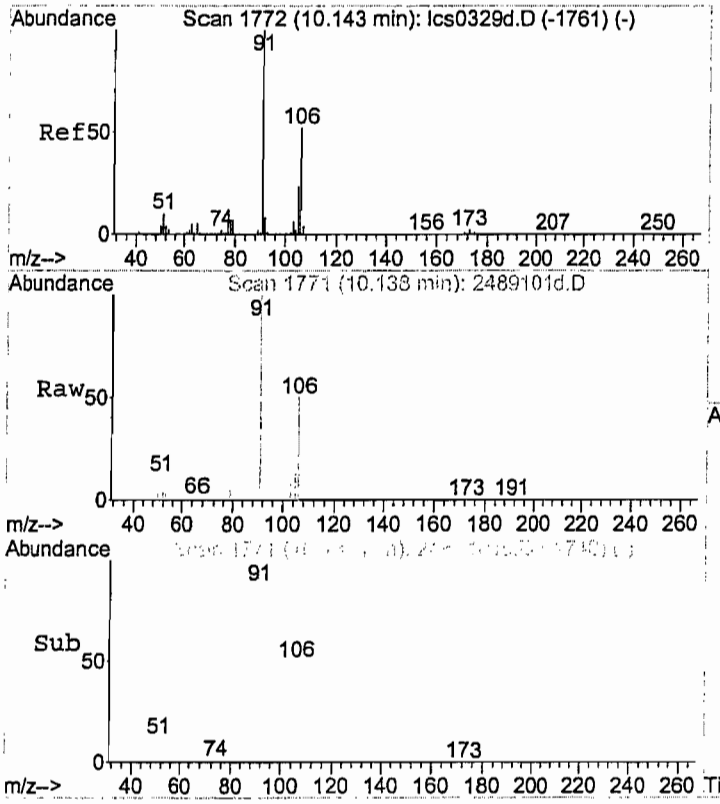


#38
1,4-Dioxane
Concen: 14293.20 ug/L
RT: 7.19 min Scan# 1194
Delta R.T. -0.00 min
Lab File: 2489101d.D
Acq: 15 Mar 2005 10:38 am

Tgt Ion: 88 Resp: 1340954

Ion	Ratio	Lower	Upper
88	100		
58	71.9	58.2	87.4
83	0.0	0.0	0.0#

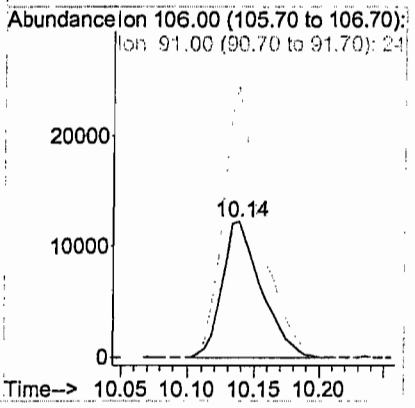


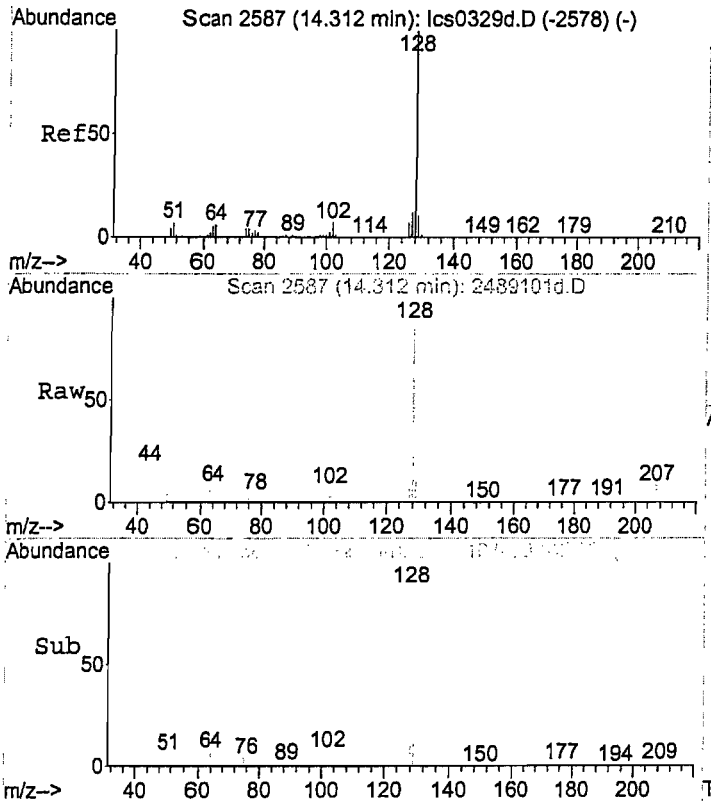


#54
m,p-Xylene
Concen: 1.42 ug/L
RT: 10.14 min Scan# 1771
Delta R.T. -0.01 min
Lab File: 2489101d.D
Acq: 15 Mar 2005 10:38 am

Tgt Ion:106 Resp: 25091

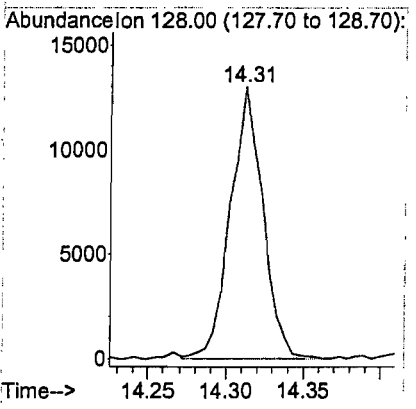
Ion	Ratio	Lower	Upper
106	100		
91	199.0	174.5	214.5





#80
Naphthalene
Concen: 0.95 ug/L
RT: 14.31 min Scan# 2587
Delta R.T. 0.00 min
Lab File: 2489101d.D
Acq: 15 Mar 2005 10:38 am

Tgt Ion:128 Resp: 18830



Quantitation Report (QT Reviewed)

Data Path : G:\Mar2005\HPV1\0315\
Data File : 2489102d.D
Acq On : 15 Mar 2005 11:02 am
Operator : RLJ
Sample : sa24891-02 @ ax-mw-9s (030205) r-- 8260w
Misc : 1
Vial : 9 Sample Multiplier: 1

Quant Time: Mar 30 10:02:54 2005
Quant Method : C:\MSDCHEM\1\METHODS\V1030805.M
Quant Title : Volatile Organics-GC/MS
QLast Update : Wed Mar 30 09:29:21 2005
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.56	96	1860623	50.00	ug/L	0.00
50) Chlorobenzene-d5	9.70	82	740095	50.00	ug/L	0.00
71) 1,4-Dichlorobenzene-d4	12.05	152	538985	50.00	ug/L	0.00
System Monitoring Compounds						
25) Dibromofluoromethane	5.18	111	412340	50.79	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.58%			
27) 1,2-Dichloroethane-d4	5.69	65	382686	49.68	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.36%			
40) Toluene-d8	8.38	98	1791373	49.59	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.18%			
59) 4-Bromofluorobenzene	10.84	95	640174	51.50	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.00%			
Target Compounds						Qvalue
8) Acetone	2.51	58	3014	4.59	ug/L	96
9) Ethyl ether	2.62	74	2235	0.47	ug/L	91
17) 2-Butanone (MEK)	4.67	43	2895	0.97	ug/L	93
26) Tetrahydrofuran	5.43	42	837	0.48	ug/L #	42
8) 1,4-Dioxane	7.19	88	2226	28.08	ug/L #	94

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

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Operator : RLJ
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Misc : 1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 30 10:02:54 2005
Quant Method : C:\MSDCHEM\1\METHODS\V1030805.M
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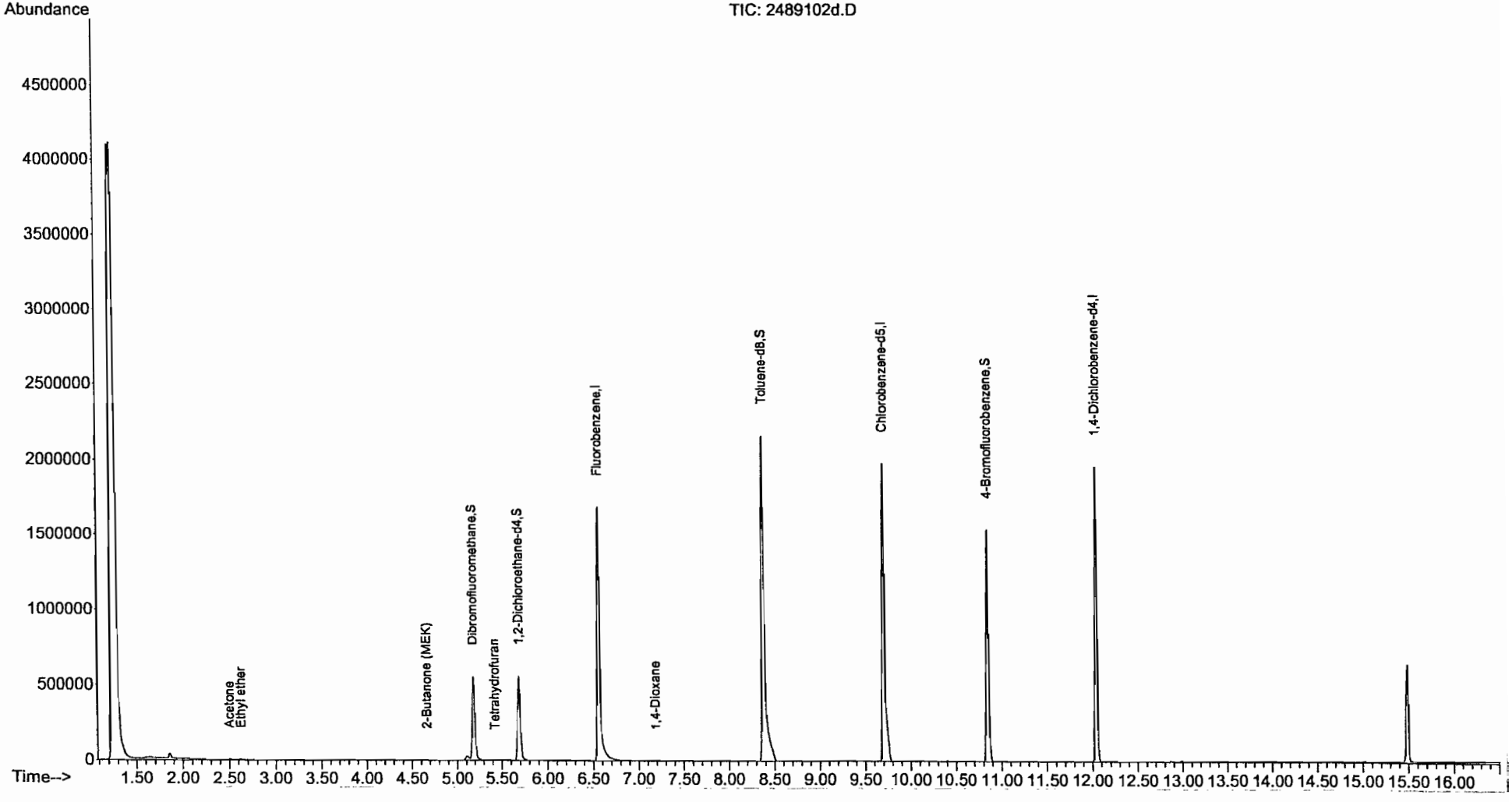
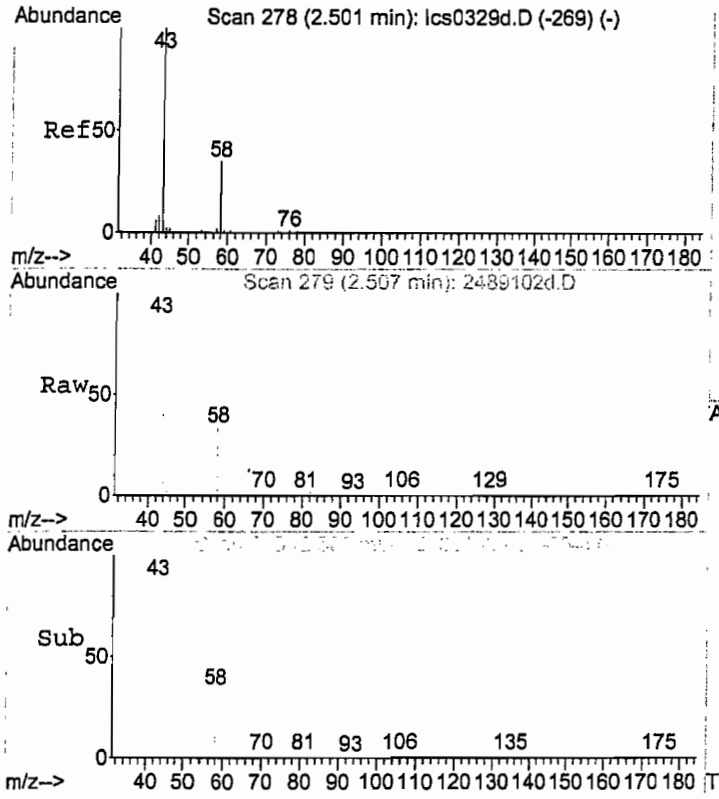
Response via : Initial Calibration

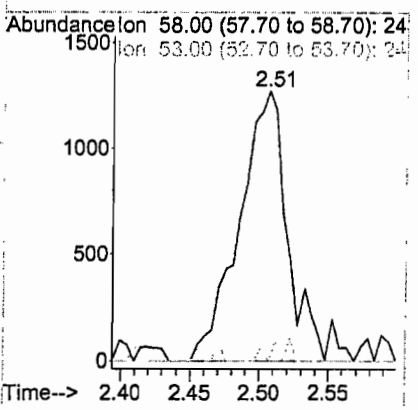


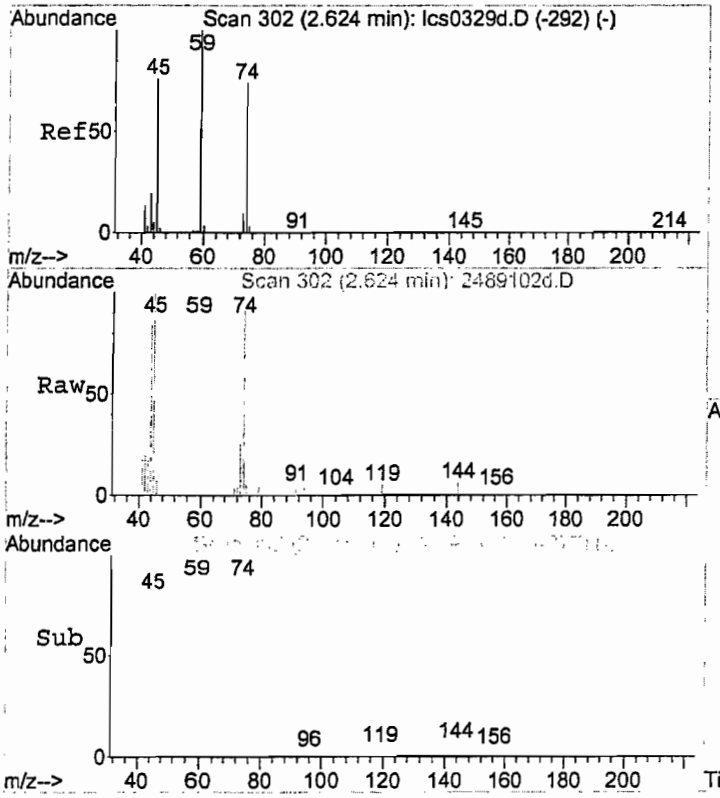


#8
Acetone
Concen: 4.59 ug/L
RT: 2.51 min Scan# 279
Delta R.T. 0.00 min
Lab File: 2489102d.D
Acq: 15 Mar 2005 11:02 am

Tgt Ion: 58 Resp: 3014

Ion	Ratio	Lower	Upper
58	100		
53	0.0	0.0	21.4

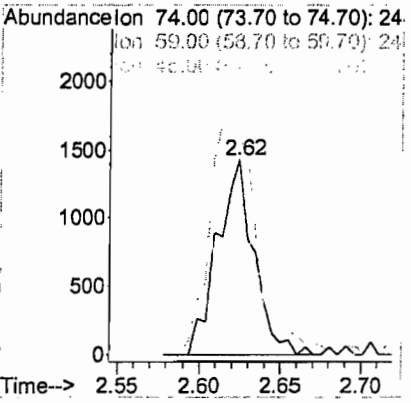


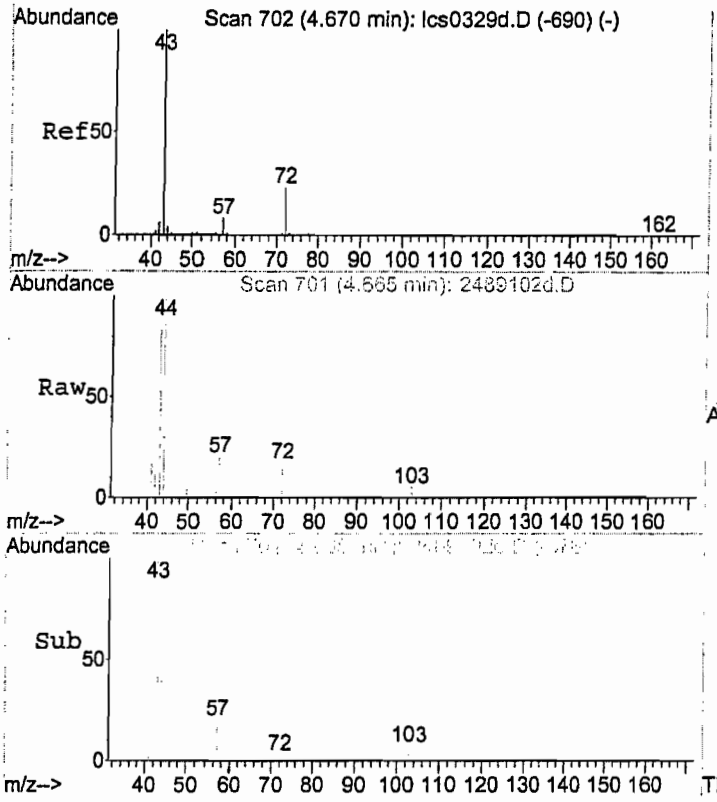


#9
Ethyl ether
Concen: 0.47 ug/L
RT: 2.62 min Scan# 302
Delta R.T. 0.01 min
Lab File: 2489102d.D
Acq: 15 Mar 2005 11:02 am

Tgt Ion: 74 Resp: 2235

Ion	Ratio	Lower	Upper
74	100		
59	154.9	113.2	169.8
45	117.6	88.6	133.0

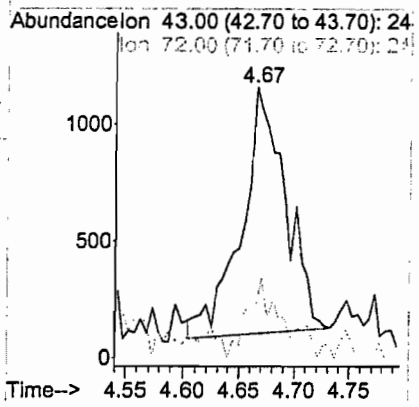


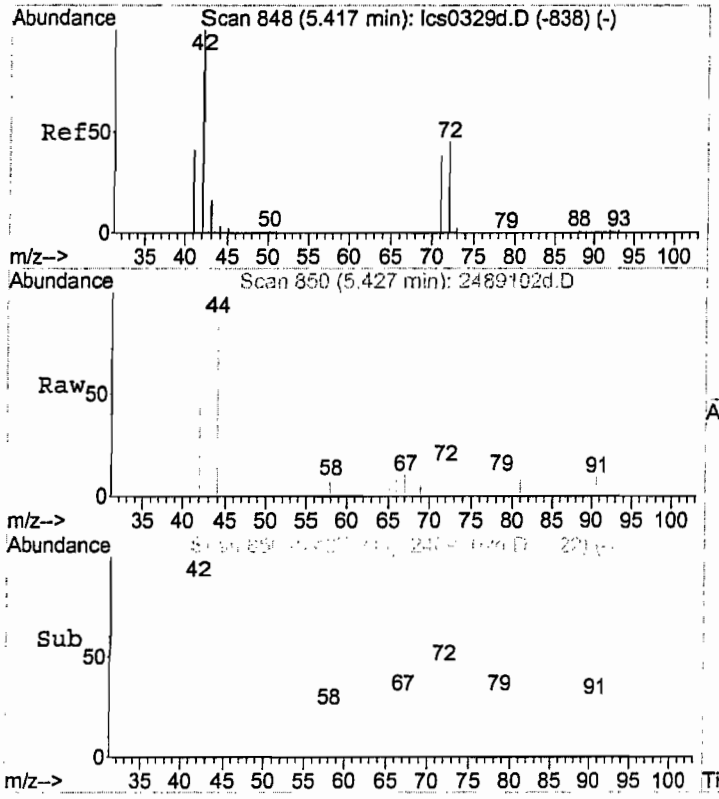


#17
2-Butanone (MEK)
Concen: 0.97 ug/L
RT: 4.67 min Scan# 701
Delta R.T. -0.00 min
Lab File: 2489102d.D
Acq: 15 Mar 2005 11:02 am

Tgt Ion: 43 Resp: 2895

Ion	Ratio	Lower	Upper
43	100		
72	20.9	4.1	44.1

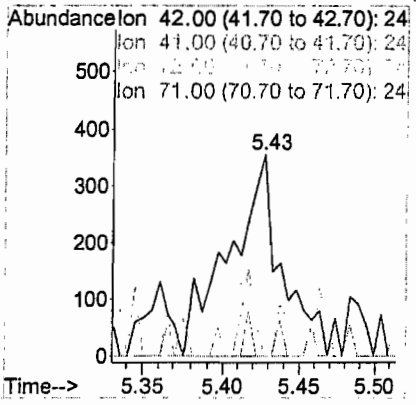


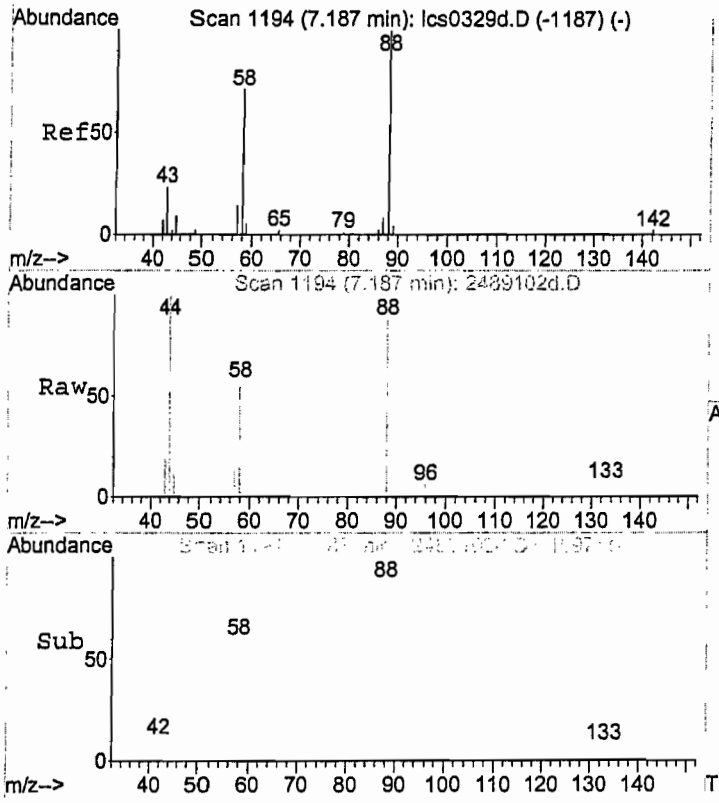


#26
Tetrahydrofuran
Concen: 0.48 ug/L
RT: 5.43 min Scan# 850
Delta R.T. 0.02 min
Lab File: 2489102d.D
Acq: 15 Mar 2005 11:02 am

Tgt Ion: 42 Resp: 837

Ion	Ratio	Lower	Upper
42	100		
41	5.6	43.4	65.0#
72	9.9	30.7	46.1#
71	2.4	27.8	41.6#

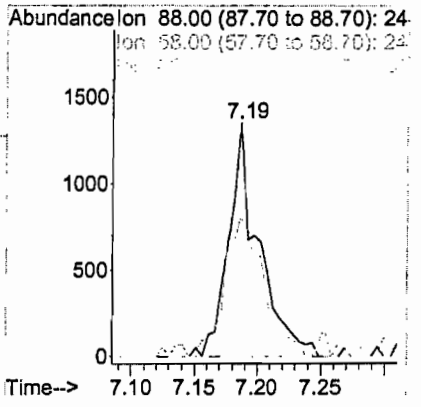




#38
1,4-Dioxane
Concen: 28.08 ug/L
RT: 7.19 min Scan# 1194
Delta R.T. -0.00 min
Lab File: 2489102d.D
Acq: 15 Mar 2005 11:02 am

Tgt Ion: 88 Resp: 2226

Ion	Ratio	Lower	Upper
88	100		
58	77.5	58.2	87.4
83	0.8	0.0	0.0#



Data Path : G:\Mar2005\HPV1\0315\
Data File : 2489103d.D
Acq On : 15 Mar 2005 11:26 am
Operator : RLJ
Sample : sa24891-03 @ ax-mw-11s (030205) r-- 8260w
Misc : 1
S Vial : 10 Sample Multiplier: 1

Quant Time: Mar 30 10:04:20 2005
Quant Method : C:\MSDCHEM\1\METHODS\V1030805.M
Quant Title : Volatile Organics-GC/MS
QLast Update : Wed Mar 30 09:29:21 2005
Response via : Initial Calibration

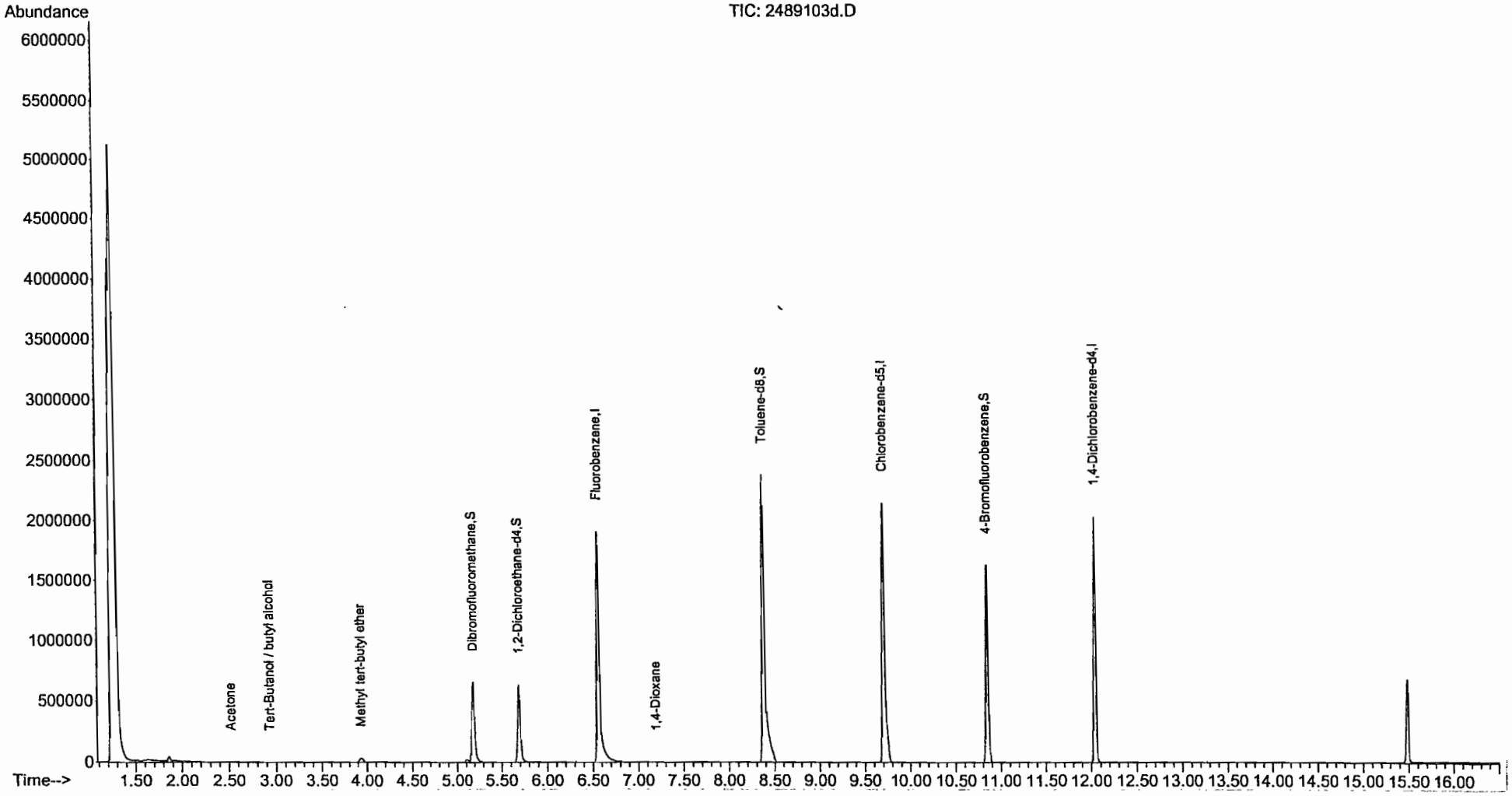
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.56	96	2203708	50.00	ug/L	0.00
50) Chlorobenzene-d5	9.70	82	839539	50.00	ug/L	0.00
71) 1,4-Dichlorobenzene-d4	12.04	152	567872	50.00	ug/L	0.00
System Monitoring Compounds						
25) Dibromofluoromethane	5.19	111	480458	49.97	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.94%			
27) 1,2-Dichloroethane-d4	5.69	65	441565	48.39	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 96.78%			
40) Toluene-d8	8.38	98	2070162	48.38	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 96.76%			
59) 4-Bromofluorobenzene	10.84	95	695568	49.33	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.66%			
Target Compounds						Qvalue
8) Acetone	2.51	58	1007	1.30	ug/L	96
11) Tert-Butanol / butyl alcoh	2.94	59	449	0.93	ug/L #	79
15) Methyl tert-butyl ether	3.94	73	50049	2.09	ug/L	100
38) 1,4-Dioxane	7.20	88	271	2.89	ug/L #	38

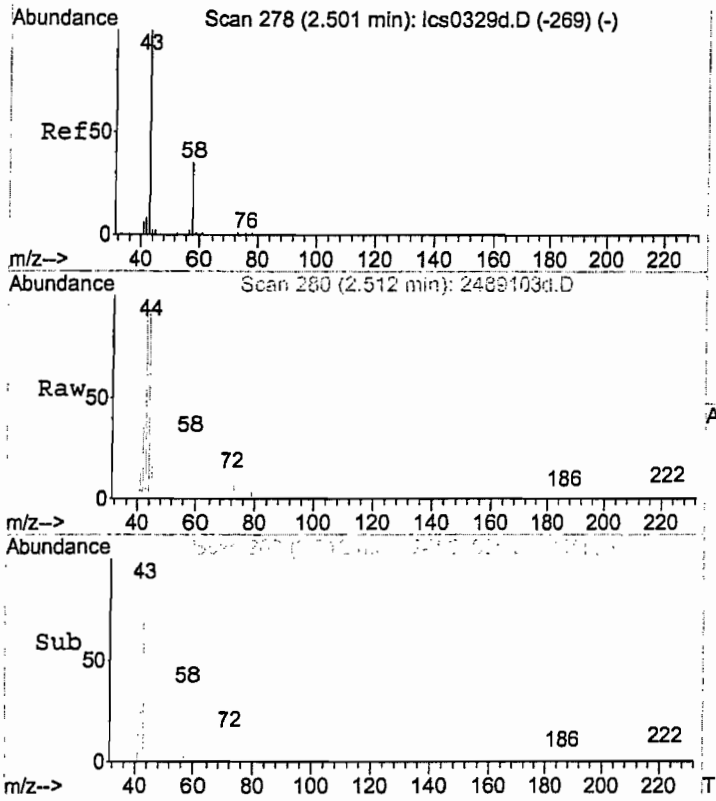
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : G:\Mar2005\HPV1\0315\
Data File : 2489103d.D
Acq On : 15 Mar 2005 11:26 am
Operator : RLJ
Sample : sa24891-03 @ ax-mw-11s (030205) r-- 8260w
Misc : 1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 30 10:04:20 2005
Quant Method : C:\MSDCHEM\1\METHODS\V1030805.M
Quant Title : Volatile Organics-GC/MS
QLast Update : Wed Mar 30 09:29:21 2005
Response via : Initial Calibration

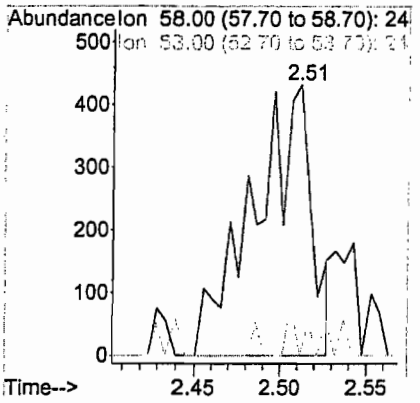


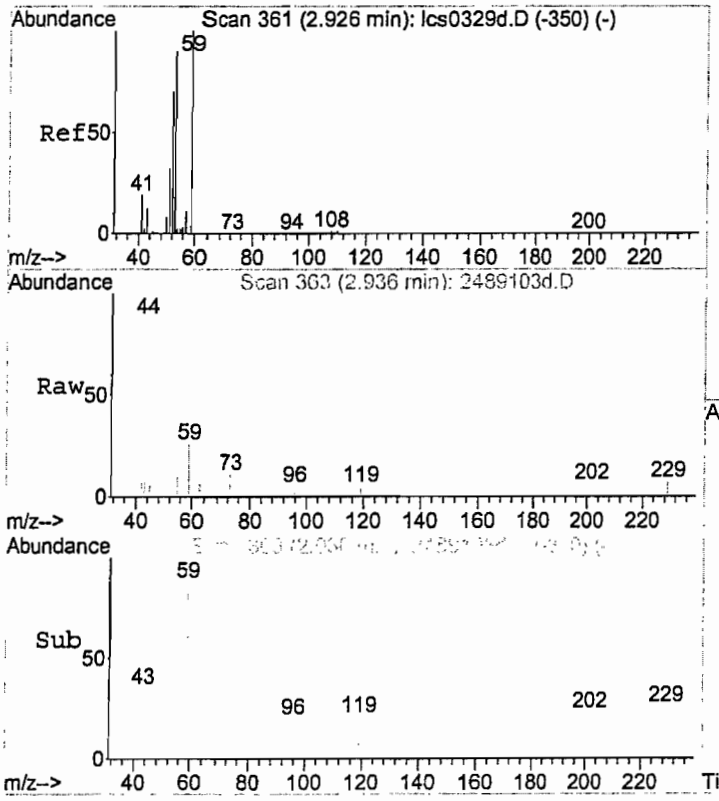


#8
Acetone
Concen: 1.30 ug/L
RT: 2.51 min Scan# 280
Delta R.T. 0.01 min
Lab File: 2489103d.D
Acq: 15 Mar 2005 11:26 am

Tgt Ion: 58 Resp: 1007

Ion	Ratio	Lower	Upper
58	100		
53	0.0	0.0	21.4

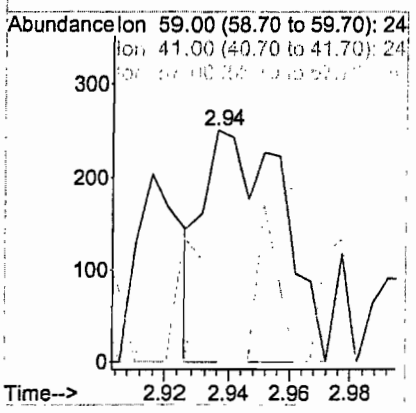


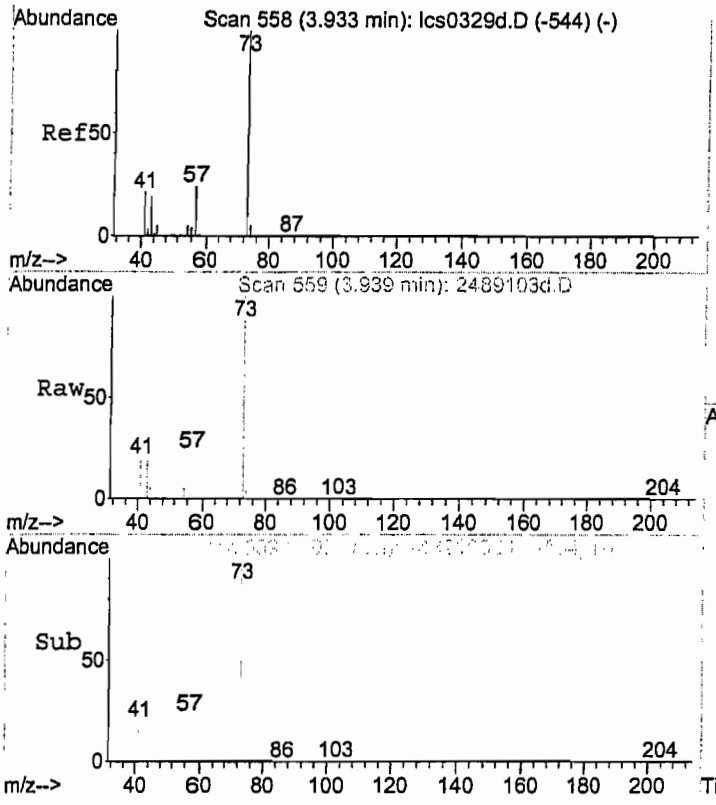


#11
Tert-Butanol / butyl alcohol
Concen: 0.93 ug/L
RT: 2.94 min Scan# 363
Delta R.T. -0.00 min
Lab File: 2489103d.D
Acq: 15 Mar 2005 11:26 am

Tgt Ion: 59 Resp: 449

Ion	Ratio	Lower	Upper
59	100		
41	17.4	7.8	11.6#
57	12.5	4.0	6.0#

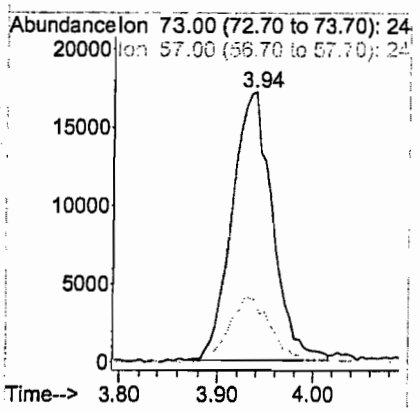


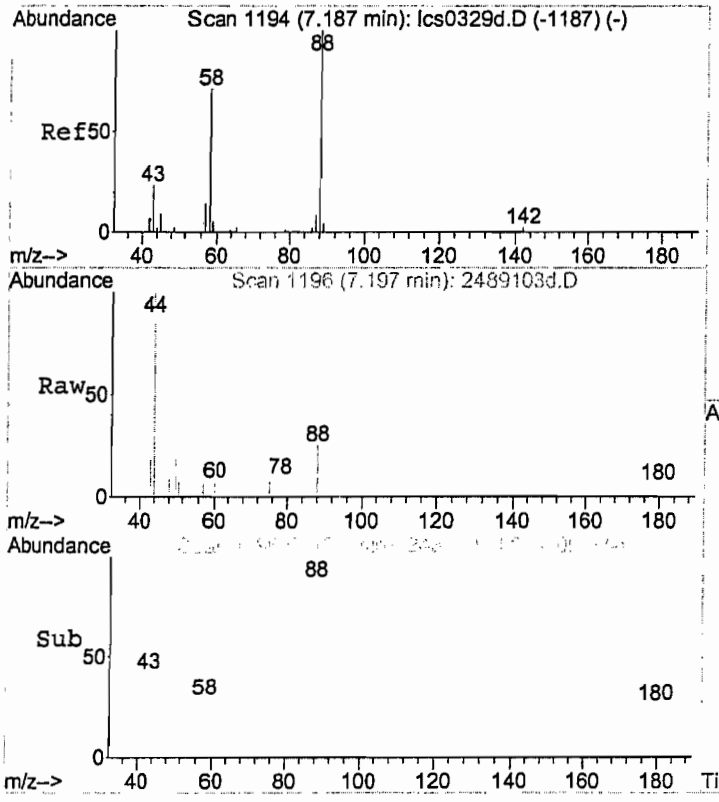


#15
Methyl tert-butyl ether
Concen: 2.09 ug/L
RT: 3.94 min Scan# 559
Delta R.T. 0.00 min
Lab File: 2489103d.D
Acq: 15 Mar 2005 11:26 am

Tgt Ion: 73 Resp: 50049

Ion	Ratio	Lower	Upper
73	100		
57	24.9	19.9	29.9

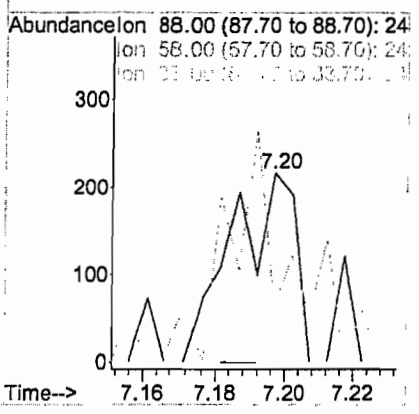




#38
1,4-Dioxane
Concen: 2.89 ug/L
RT: 7.20 min Scan# 1196
Delta R.T. 0.01 min
Lab File: 2489103d.D
Acq: 15 Mar 2005 11:26 am

Tgt Ion: 88 Resp: 271

Ion	Ratio	Lower	Upper
88	100		
58	125.1	58.2	87.4#
83	7.4	0.0	0.0#



Quantitation Report (QT Reviewed)

Data Path : G:\Mar2005\HPV1\0315\
Data File : 2489104d.D
Acq On : 15 Mar 2005 11:50 am
Operator : RLJ
Sample : sa24891-04 @ ax-mw-dupe (030205) r-- 8260w
Misc : 1
Vial : 11 Sample Multiplier: 1

Quant Time: Mar 30 10:05:46 2005
Quant Method : C:\MSDCHEM\1\METHODS\V1030805.M
Quant Title : Volatile Organics-GC/MS
QLast Update : Wed Mar 30 09:29:21 2005
Response via : Initial Calibration

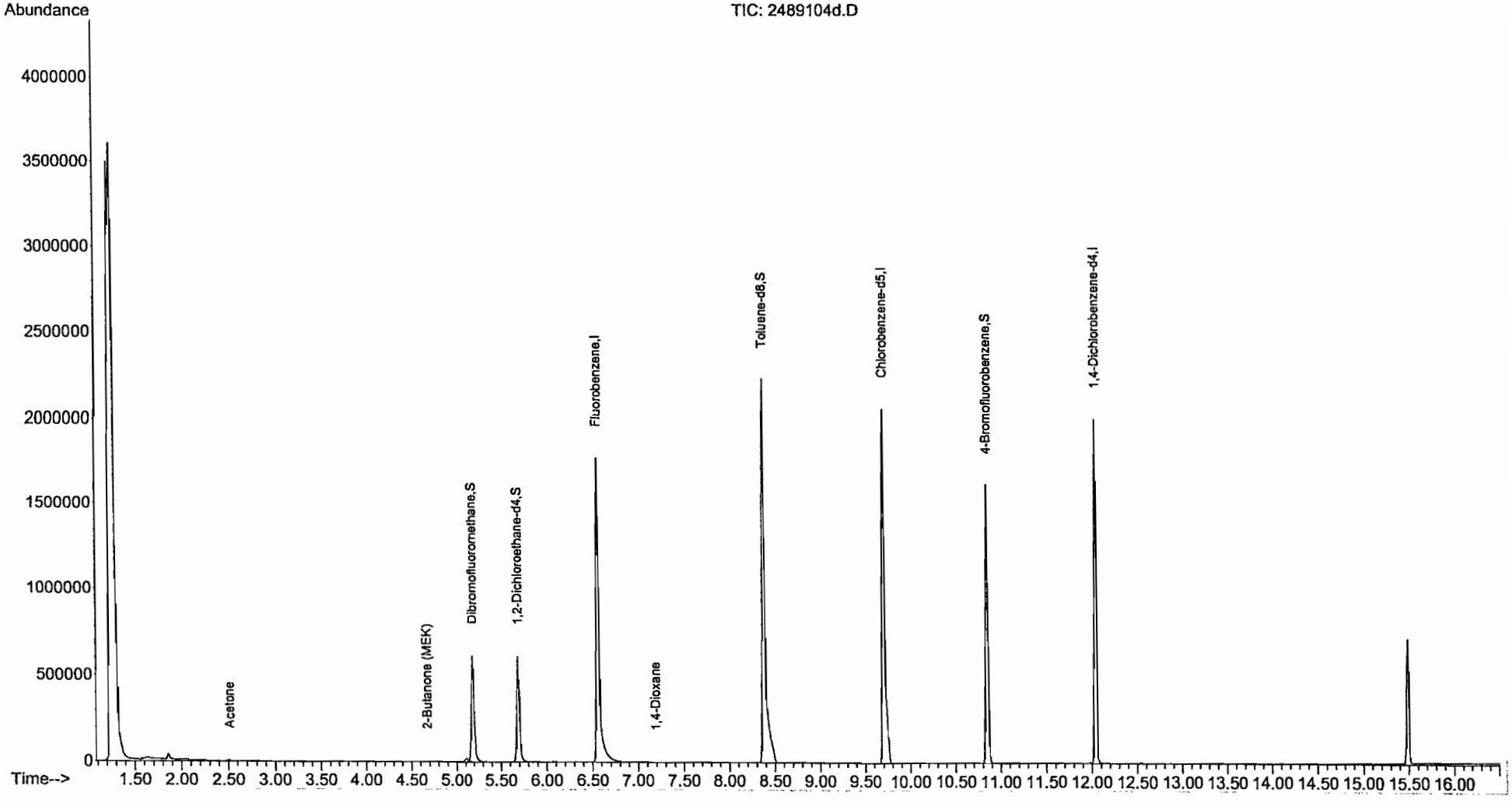
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.56	96	2012993	50.00	ug/L	0.00
50) Chlorobenzene-d5	9.70	82	797949	50.00	ug/L	0.00
71) 1,4-Dichlorobenzene-d4	12.05	152	556157	50.00	ug/L	0.00
System Monitoring Compounds						
25) Dibromofluoromethane	5.19	111	452184	51.48	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.96%			
27) 1,2-Dichloroethane-d4	5.69	65	426171	51.13	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.26%			
40) Toluene-d8	8.38	98	1914528	48.99	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 97.98%			
59) 4-Bromofluorobenzene	10.85	95	680994	50.82	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.64%			
Target Compounds						Qvalue
8) Acetone	2.51	58	3060	4.31	ug/L	92
17) 2-Butanone (MEK)	4.67	43	3142	0.97	ug/L	96
38) 1,4-Dioxane	7.19	88	111	1.29	ug/L #	50

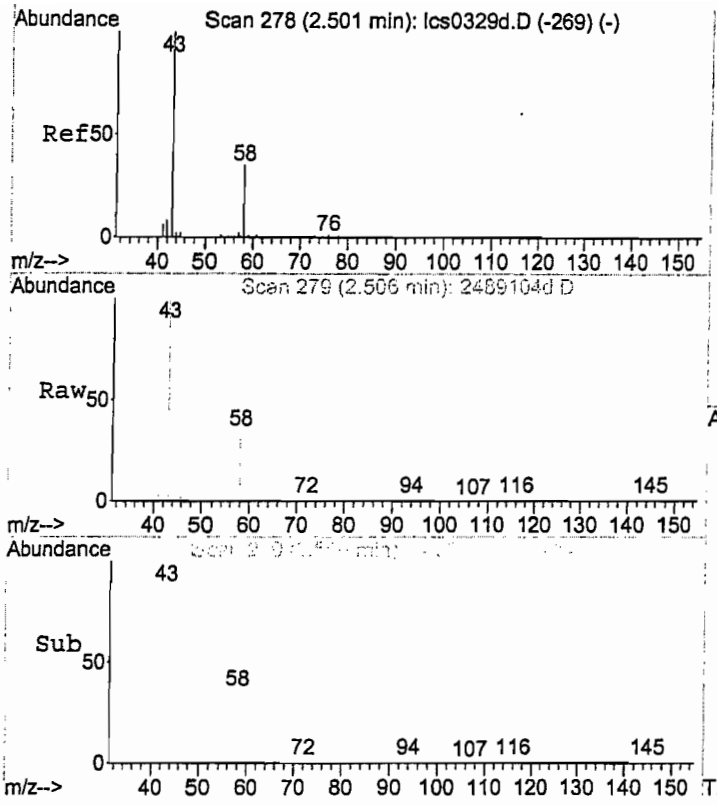
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data P : G:\Mar2005\HPV1\0315\
Data File : 2489104d.D
Acq On : 15 Mar 2005 11:50 am
Operator : RLJ
Sample : sa24891-04 @ ax-mw-dupe (030205) r-- 8260w
Misc : 1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 30 10:05:46 2005
Quant Method : C:\MSDCHEM\1\METHODS\V1030805.M
Quant Title : Volatile Organics-GC/MS
QLast Update : Wed Mar 30 09:29:21 2005
Response via : Initial Calibration

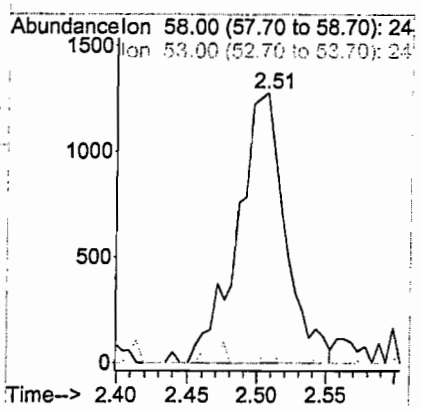


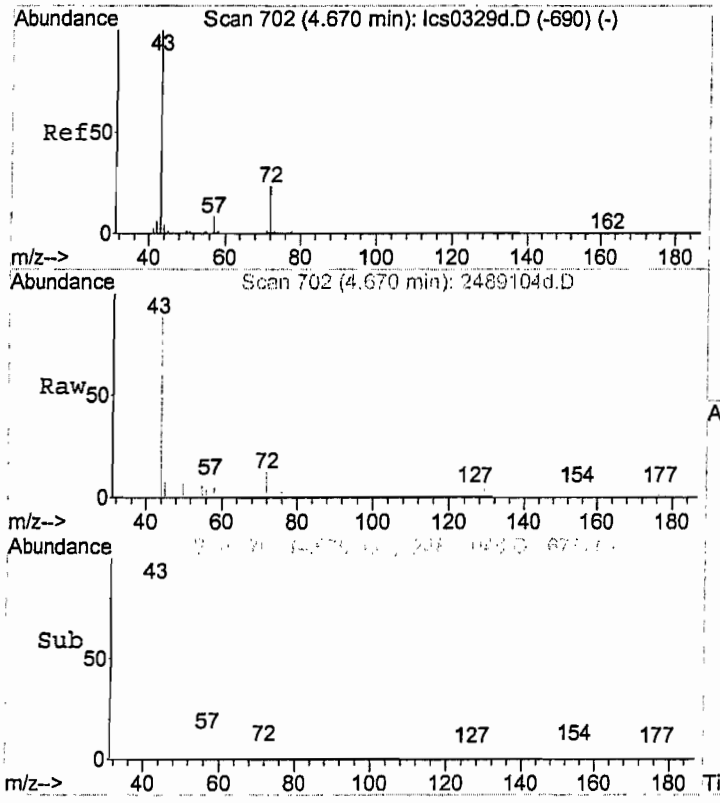


#8
Acetone
Concen: 4.31 ug/L
RT: 2.51 min Scan# 279
Delta R.T. 0.00 min
Lab File: 2489104d.D
Acq: 15 Mar 2005 11:50 am

Tgt Ion: 58 Resp: 3060

Ion	Ratio	Lower	Upper
58	100		
53	4.5	0.0	21.4

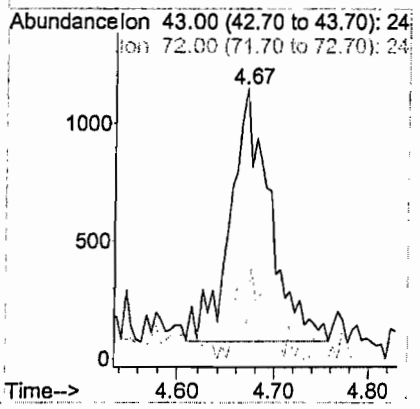


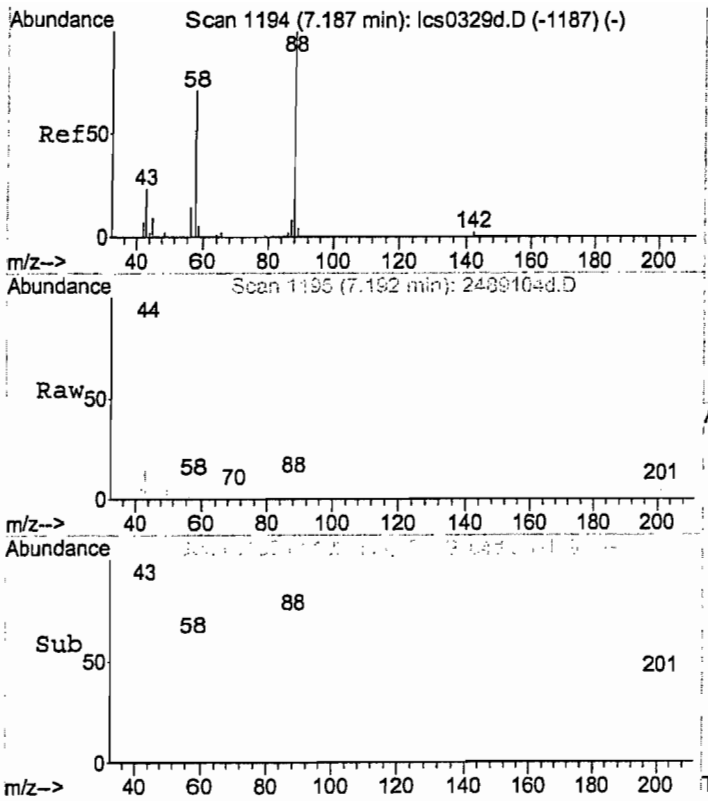


#17
2-Butanone (MEK)
Concen: 0.97 ug/L
RT: 4.67 min Scan# 702
Delta R.T. 0.00 min
Lab File: 2489104d.D
Acq: 15 Mar 2005 11:50 am

Tgt Ion: 43 Resp: 3142

Ion	Ratio	Lower	Upper
43	100		
72	22.2	4.1	44.1

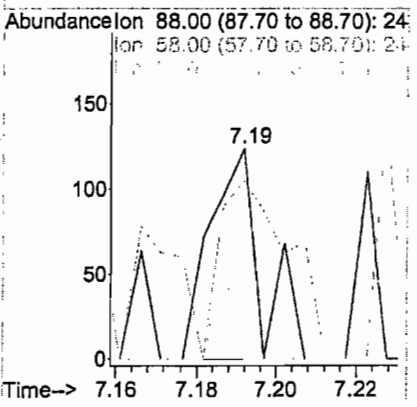




#38
1,4-Dioxane
Concen: 1.29 ug/L
RT: 7.19 min Scan# 1195
Delta R.T. 0.00 min
Lab File: 2489104d.D
Acq: 15 Mar 2005 11:50 am

Tgt Ion: 88 Resp: 111

Ion	Ratio	Lower	Upper
88	100		
58	114.4	58.2	87.4#
83	15.3	0.0	0.0#



Quantitation Report (QT Reviewed)

Data Path : G:\Mar2005\HPV1\0315\
Data File : 2489105d.D
Acq On : 15 Mar 2005 12:13 pm
Operator : RLJ
Sample : sa24891-05 @ ax-tb (030205) r-- 8260w
Misc : 1
Vial : 12 Sample Multiplier: 1

Quant Time: Mar 30 10:07:45 2005
Quant Method : C:\MSDCHEM\1\METHODS\V1030805.M
Quant Title : Volatile Organics-GC/MS
QLast Update : Wed Mar 30 09:29:21 2005
Response via : Initial Calibration

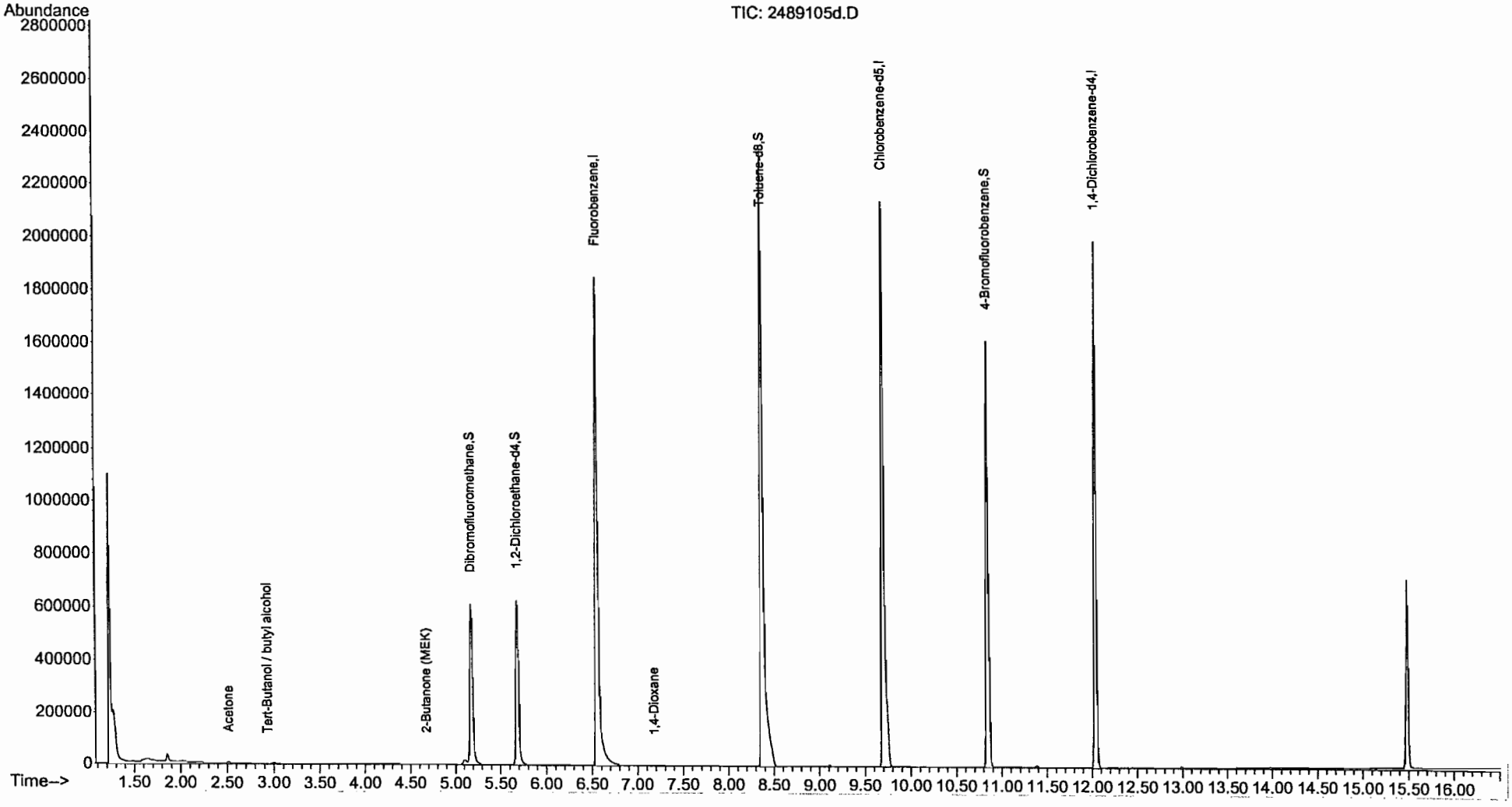
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.56	96	2031181	50.00	ug/L	0.00
50) Chlorobenzene-d5	9.70	82	802209	50.00	ug/L	0.00
71) 1,4-Dichlorobenzene-d4	12.05	152	552918	50.00	ug/L	0.00
System Monitoring Compounds						
25) Dibromofluoromethane	5.18	111	450560	50.84	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.68%			
27) 1,2-Dichloroethane-d4	5.69	65	425710	50.62	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.24%			
40) Toluene-d8	8.38	98	1914666	48.55	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 97.10%			
59) 4-Bromofluorobenzene	10.84	95	678515	50.36	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.72%			
Target Compounds						Qvalue
8) Acetone	2.51	58	1586	2.21	ug/L	96
11) Tert-Butanol / butyl alcoh	2.93	59	636	1.43	ug/L #	93
17) 2-Butanone (MEK)	4.67	43	1758	0.54	ug/L	66
38) 1,4-Dioxane	7.18	88	164	1.89	ug/L #	62

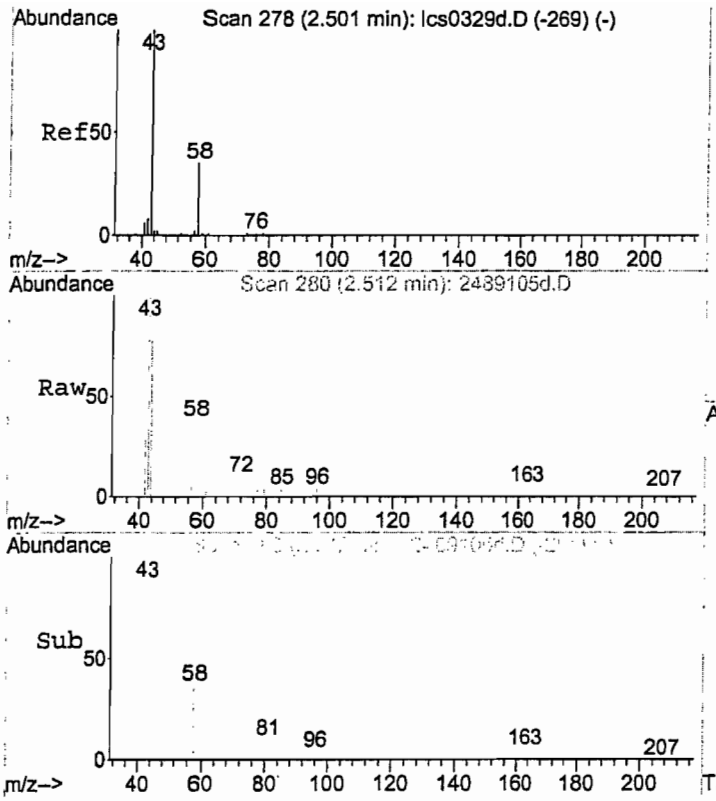
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data P : G:\Mar2005\HPV1\0315\
Data File : 2489105d.D
Acq On : 15 Mar 2005 12:13 pm
Operator : RLJ
Sample : sa24891-05 @ ax-tb (030205) r-- 8260w
Misc : 1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 30 10:07:45 2005
Quant Method : C:\MSDCHEM\1\METHODS\V1030805.M
Quant Title : Volatile Organics-GC/MS
QLast Update : Wed Mar 30 09:29:21 2005
Response via : Initial Calibration

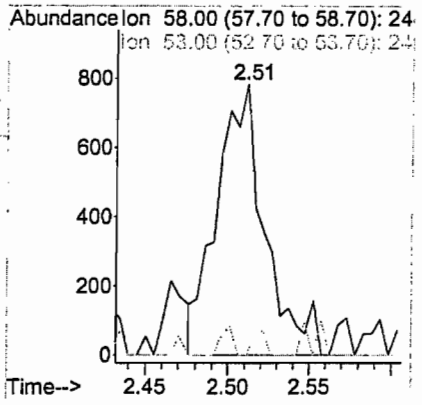


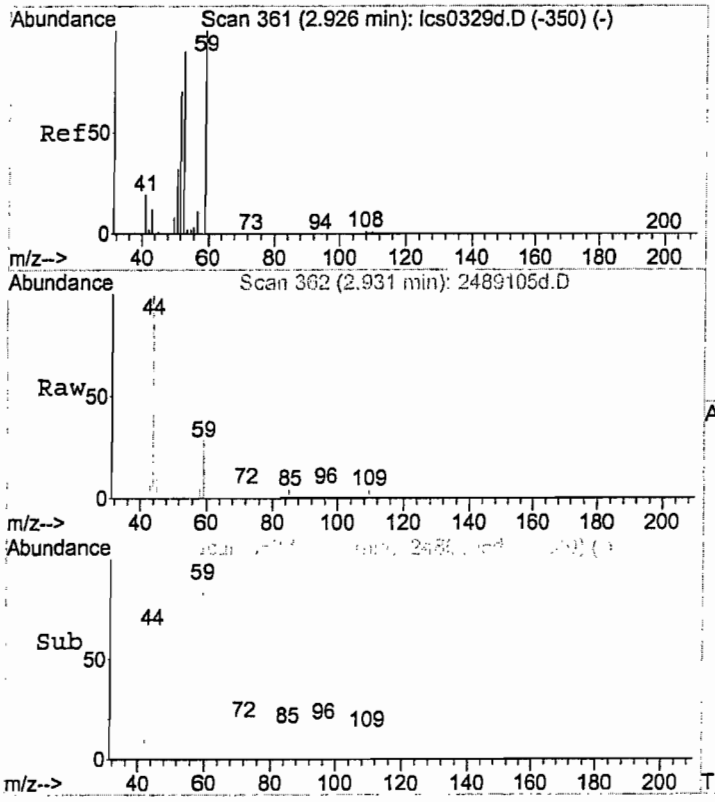


#8
Acetone
Concen: 2.21 ug/L
RT: 2.51 min Scan# 280
Delta R.T. 0.01 min
Lab File: 2489105d.D
Acq: 15 Mar 2005 12:13 pm

Tgt Ion: 58 Resp: 1586

Ion	Ratio	Lower	Upper
58	100		
53	0.0	0.0	21.4

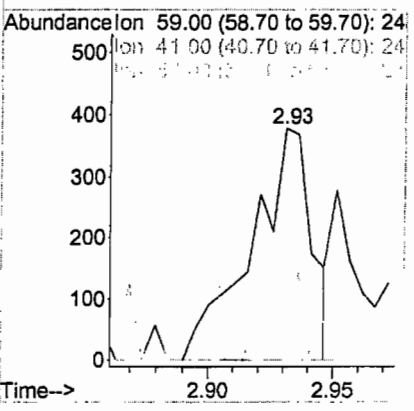


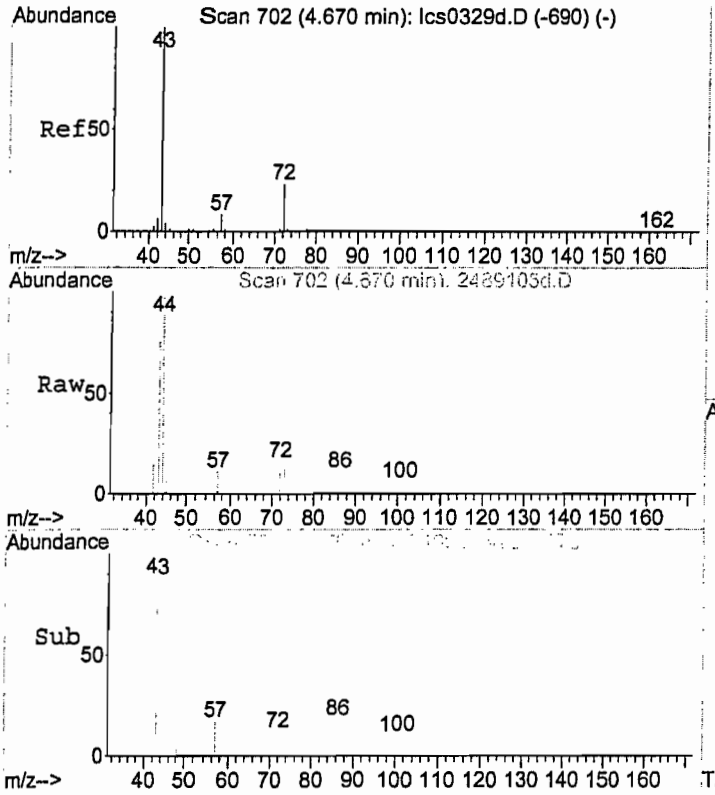


#11
Tert-Butanol / butyl alcohol
Concen: 1.43 ug/L
RT: 2.93 min Scan# 362
Delta R.T. -0.01 min
Lab File: 2489105d.D
Acq: 15 Mar 2005 12:13 pm

Tgt Ion: 59 Resp: 636

Ion	Ratio	Lower	Upper
59	100		
41	6.9	7.8	11.6#
57	3.0	4.0	6.0#

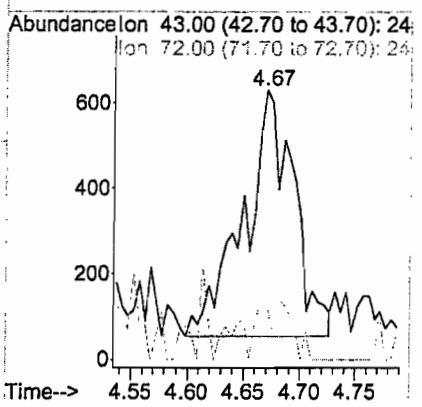


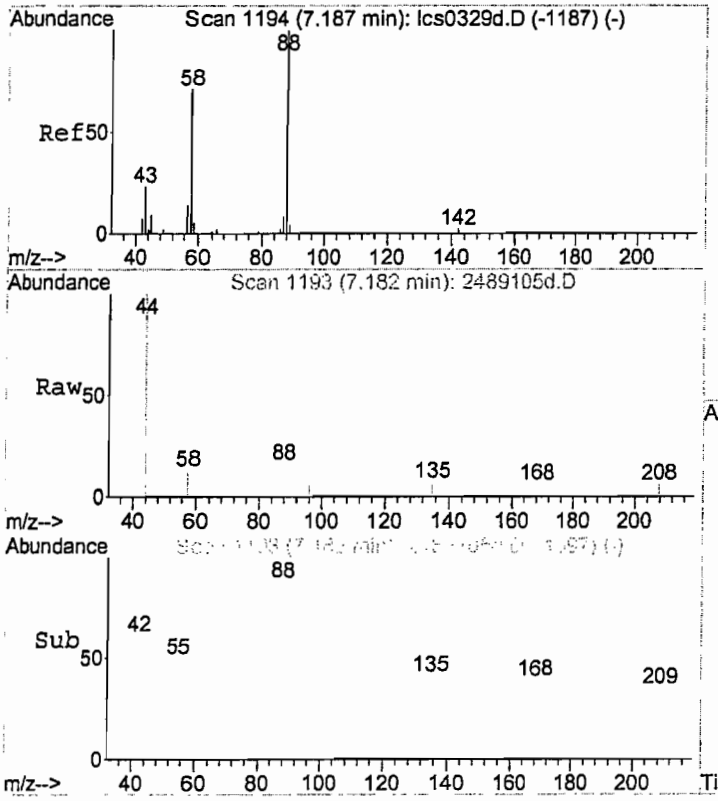


#17
2-Butanone (MEK)
Concen: 0.54 ug/L
RT: 4.67 min Scan# 702
Delta R.T. 0.00 min
Lab File: 2489105d.D
Acq: 15 Mar 2005 12:13 pm

Tgt Ion: 43 Resp: 1758

Ion	Ratio	Lower	Upper
43	100		
72	7.3	4.1	44.1

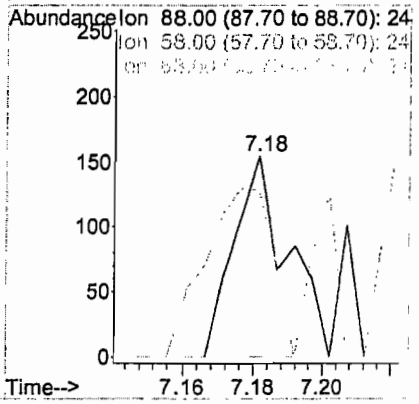




#38
1,4-Dioxane
Concen: 1.89 ug/L
RT: 7.18 min Scan# 1193
Delta R.T. -0.01 min
Lab File: 2489105d.D
Acq: 15 Mar 2005 12:13 pm

Tgt Ion: 88 Resp: 164

Ion	Ratio	Lower	Upper
88	100		
58	104.9	58.2	87.4#
83	0.0	0.0	0.0



ACCREDITED IN ACCORDANCE WITH
NY Lab #11393/11840

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Analytical Data Summary

Initial & Continuing Calibration Evaluation Summary

Response Factor Report HP #1

Method : F:\USERS\CHRISTOP\HP METHODS\HP 1\V1030805.M (RTE Integrator)
Title : Volatile Organics-GC/MS
Last Update : Tue Mar 08 08:33:35 2005
Response via : Initial Calibration

Calibration Files
10 =V1307010.D 20 =V1307020.D 50 =V1307050.D
100 =V1307100.D 200 =V1307200.D 1.0 =V1307001.D

		Compound	10	20	50	100	200	1.0	Avg	%RSD
1)	I	Fluorobenzene	ISTD							
2)		Dichlorodifluor	0.199	0.199	0.179	0.203	0.185	0.218	0.201	7.61
3)	P	Chloromethane	0.268	0.267	0.257	0.276	0.272	0.290	0.278	6.42
4)	C	Vinyl chloride	0.059	0.060	0.056	0.059	0.058	0.074	0.063	10.25
5)		Bromomethane	0.120	0.124	0.124	0.128	0.129	0.167	0.134	12.43
6)		Chloroethane	0.143	0.144	0.138	0.144	0.144	0.140	0.146	5.17
7)		Trichlorofluoro	0.279	0.280	0.264	0.294	0.271	0.303	0.288	8.08
8)		Acetone	0.035	0.022	0.025		0.017		0.032	~~54.71~~ LR 0.991
9)		Ethyl ether	0.117	0.122	0.114	0.122	0.120	0.143	0.127	10.76
10)	C,M	1,1-Dichloroeth	0.200	0.202	0.192	0.207	0.193	0.211	0.206	8.72
11)		Tert-Butanol /	0.010	0.011	0.011	0.012			0.011	5.65
12)		Acrylonitrile	0.065	0.068	0.064	0.068	0.069	0.085	0.076	~~19.62~~ LR 1.00
13)		Methylene chlor	0.238	0.241	0.227	0.246	0.241	0.300	0.262	14.62
14)		Carbon disulfid	0.680	0.690	0.664	0.717	0.687	0.637	0.681	3.60
15)		Methyl tert-but	0.501	0.517	0.497	0.533	0.540	0.532	0.543	11.30
16)		trans-1,2-Dichl	0.229	0.236	0.226	0.242	0.231	0.235	0.235	2.56
17)		2-Butanone (MEK	0.110	0.089	0.095	0.119			0.110	~~17.33~~ LR 0.999
18)		Di-isopropyl et	0.731	0.768	0.749	0.805	0.836	0.752	0.761	5.31
19)		Ethyl tert-buty	0.629	0.646	0.631	0.674	0.701	0.644	0.658	4.72
20)	P	1,1-Dichloroeth	0.390	0.394	0.378	0.408	0.400	0.406	0.398	2.81
21)		2,2-Dichloropro	0.280	0.282	0.274	0.303	0.289	0.297	0.286	3.91
22)		cis-1,2-Dichlor	0.246	0.249	0.238	0.255	0.242	0.246	0.247	2.11
23)		Bromochlorometh	0.110	0.111	0.105	0.113	0.112	0.115	0.112	3.67
24)	C	Chloroform	0.368	0.365	0.352	0.379	0.370	0.447	0.384	8.40
25)	S	Dibromofluorome	0.215	0.217	0.216	0.223	0.231	0.215	0.218	2.73
26)		Tetrahydrofuran	0.046	0.047	0.046	0.048	0.049		0.047	2.68
27)	S	1,2-Dichloroeth	0.204	0.206	0.203	0.209	0.218	0.209	0.207	2.47
28)		1,1,1-Trichloro	0.279	0.290	0.280	0.308	0.301	0.287	0.290	3.70
29)		Carbon tetrachl	0.188	0.200	0.203	0.233	0.232	0.179	0.201	10.75
30)		Tert-amyl methy	0.139	0.140	0.135	0.140	0.142	0.178	0.159	~~22.67~~ LR 1.00
31)		1,1-Dichloropro	0.300	0.300	0.287	0.308	0.292	0.311	0.303	4.96
32)	m	Benzene	0.960	0.961	0.933	0.995	0.959	0.979	0.979	4.98
33)		1,2-Dichloroeth	0.252	0.255	0.242	0.261	0.261	0.269	0.261	4.61
34)	m	Trichloroethene	0.227	0.233	0.223	0.234	0.222	0.251	0.240	9.74
35)	C	1,2-Dichloropro	0.231	0.233	0.226	0.242	0.238	0.238	0.237	2.99
36)		Dibromomethane	0.114	0.113	0.108	0.116	0.115	0.122	0.118	6.29
37)		Bromodichlorome	0.232	0.242	0.239	0.262	0.272	0.236	0.245	6.10
38)		1,4-Dioxane	0.002	0.002	0.002	0.002	0.002		0.002	11.23
39)		4-Methyl-2-pent	0.147	0.151	0.154	0.173	0.177	0.185	0.174	13.86
40)	S	Toluene-d8	0.949	0.968	0.978	0.982	1.032	0.955	0.971	2.89
41)		2-Hexanone (MBK	0.130	0.110	0.128		0.117		0.129	13.63
42)		cis-1,3-Dichlor	0.344	0.357	0.351	0.378	0.377	0.344	0.352	5.02
43)	CM	Toluene	0.640	0.653	0.634	0.669	0.627	0.607	0.652	7.12
44)		trans-1,3-Dichl	0.282	0.290	0.291	0.317	0.321	0.276	0.294	5.84
45)		1,1,2-Trichloro	0.152	0.152	0.145	0.153	0.152	0.155	0.155	6.70
46)		Tetrachloroethe	0.197	0.202	0.193	0.202	0.187	0.213	0.207	10.25
47)		1,3-Dichloropro	0.320	0.326	0.316	0.333	0.333	0.362	0.339	6.90
48)		Dibromochlorome	0.145	0.154	0.163	0.183	0.195	0.150	0.160	12.01
49)		1,2-Dibromoetha	0.180	0.184	0.176	0.190	0.190	0.191	0.190	8.24
50)	I	Chlorobenzene-d5	ISTD							
51)	P,M	Chlorobenzene	1.729	1.713	1.634	1.681	1.463	1.787	1.737	10.01
52)		1,1,1,2-Tetrach	0.424	0.441	0.446	0.487	0.463	0.426	0.442	5.30
53)	C	Ethylbenzene	2.751	2.816	2.781	2.911	2.543	2.717	2.807	6.54
54)		m,p-Xylene	1.054	1.077	1.057	1.060	0.845	1.089	1.058	9.80

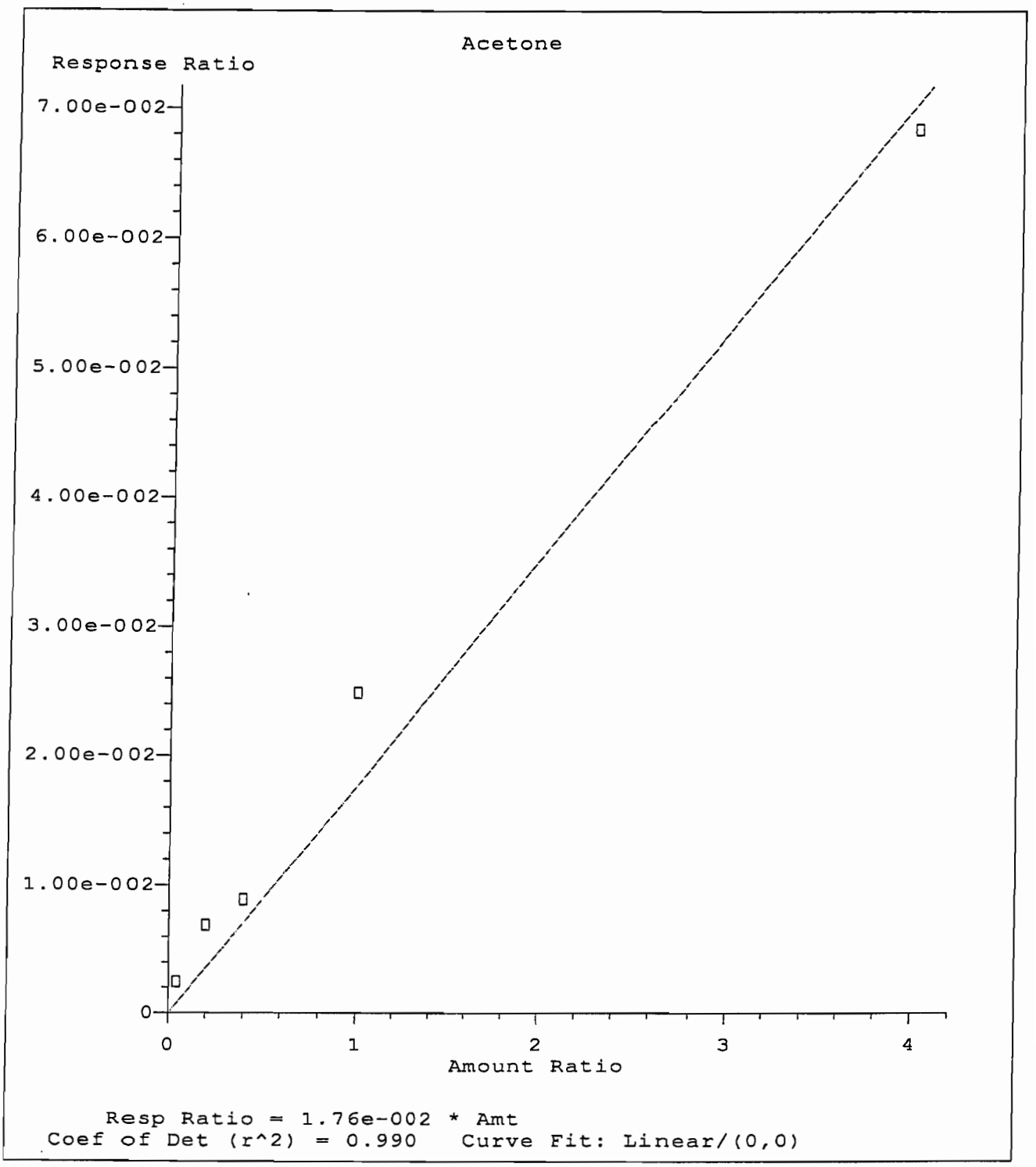
(#) = Out of Range ### Number of calibration levels exceeded format ###

Method : F:\USERS\CHRISTOP\HP METHODS\HP 1\V1030805.M (RTE Integrator)
Title : Volatile Organics-GC/MS
Last Update : Tue Mar 08 08:33:35 2005
Response via : Initial Calibration

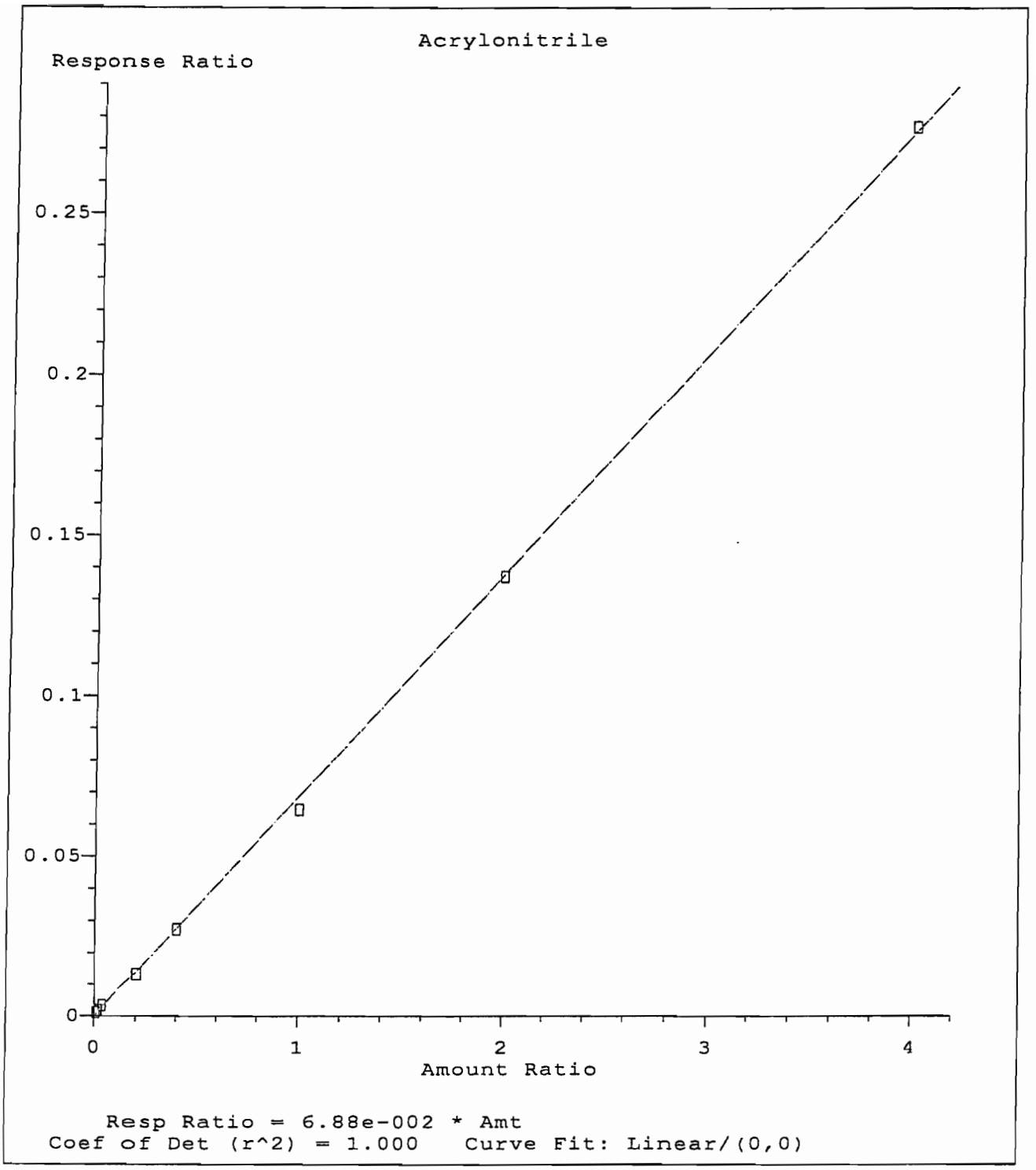
Calibration Files
10 =V1307010.D 20 =V1307020.D 50 =V1307050.D
100 =V1307100.D 200 =V1307200.D 1.0 =V1307001.D

		Compound	10	20	50	100	200	1.0	Avg	%RSD
55)		o-Xylene	1.018	1.063	1.051	1.081	0.928	1.059	1.047	6.63
56)		Styrene	1.640	1.732	1.763	1.876	1.712	1.501	1.662	8.08
57)	P	Bromoform	0.174	0.187	0.200	0.221	0.209	0.193	0.202	10.85
58)		Isopropylbenzen	2.151	2.183	2.215	2.385	2.143	2.256	2.278	7.41
59)	S	4-Bromofluorobe	0.829	0.850	0.870	0.859	0.801	0.845	0.840	2.82
60)		Bromobenzene	0.607	0.628	0.614	0.651	0.588	0.641	0.638	7.58
61)	P	1,1,2,2-Tetrach	0.503	0.512	0.481	0.478	0.412	0.532	0.498	9.97
62)		1,2,3-Trichloro	0.404	0.397	0.377	0.389	0.361	0.450	0.406	9.36
63)		n-Propylbenzene	2.553	2.553	2.729	3.089	2.769	2.560	2.757	8.77
64)		2-Chlorotoluene	1.670	1.739	1.749	1.885	1.725	1.740	1.780	6.54
65)		4-Chlorotoluene	1.690	1.745	1.807	1.994	1.833	1.748	1.839	8.40
66)		1,3,5-Trimethyl	1.939	1.908	1.964	2.184	1.942	1.882	1.994	6.20
67)		tert-Butylbenze	1.556	1.477	1.540	1.721	1.515	1.623	1.631	9.63
68)		1,2,4-Trimethyl	1.838	1.819	1.865	2.121	1.913	1.763	1.913	6.58
69)		sec-Butylbenzen	2.237	2.100	2.228	2.558	2.205	2.250	2.363	12.04
70)		1,3-Dichloroben	1.064	1.077	1.101	1.191	1.047	1.150	1.133	8.08
71)	I	1,4-Dichlorobenzene-d	ISTD							
72)		4-Isopropyltolu	2.595	2.441	2.414	2.642	2.333	2.495	2.604	9.50
73)		1,4-Dichloroben	1.530	1.534	1.458	1.499	1.351	1.629	1.579	12.20
74)		1,2-Dichloroben	1.462	1.479	1.407	1.430	1.291	1.456	1.490	9.65
75)		n-Butylbenzene	2.298	2.138	2.089	2.319	2.111	2.054	2.279	10.47
76)		1,2-Dibromo-3-c	0.077	0.077	0.077	0.084	0.084	0.092	0.085	11.69
77)		1,3,5-Trichloro	1.095	1.077	0.984	0.991	0.893	1.075	1.086	13.45
78)		1,2,4-Trichloro	0.903	0.909	0.840	0.857	0.786	0.809	0.891	10.29
79)		Hexachlorobutad	0.455	0.423	0.405	0.431	0.373	0.492	0.442	11.28
80)		Naphthalene	1.747	1.813	1.655	1.623	1.496	1.793	1.725	8.56
81)		1,2,3-Trichloro	0.824	0.830	0.754	0.764	0.700	0.828	0.828	11.62

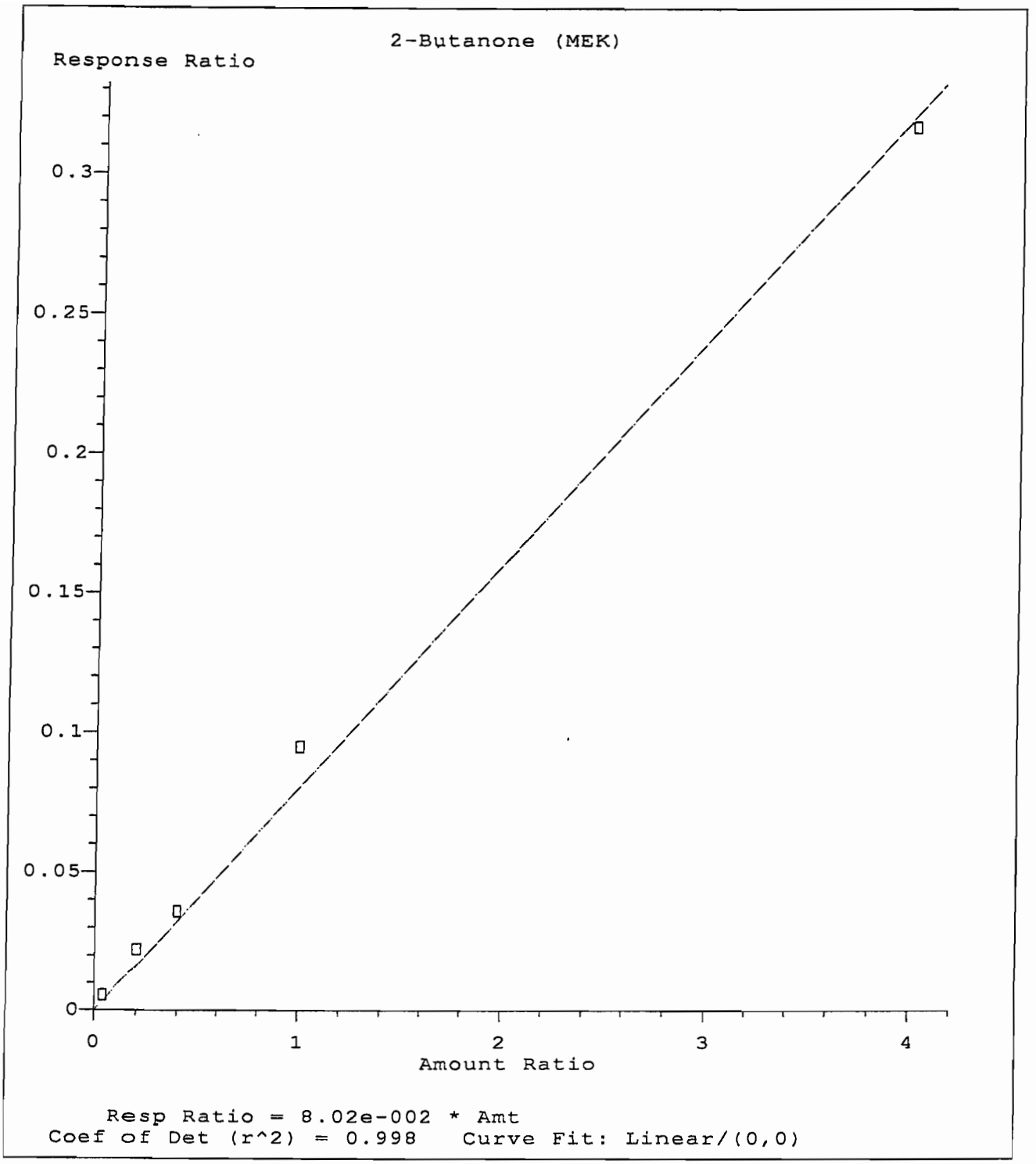
(#) = Out of Range ### Number of calibration levels exceeded format ###



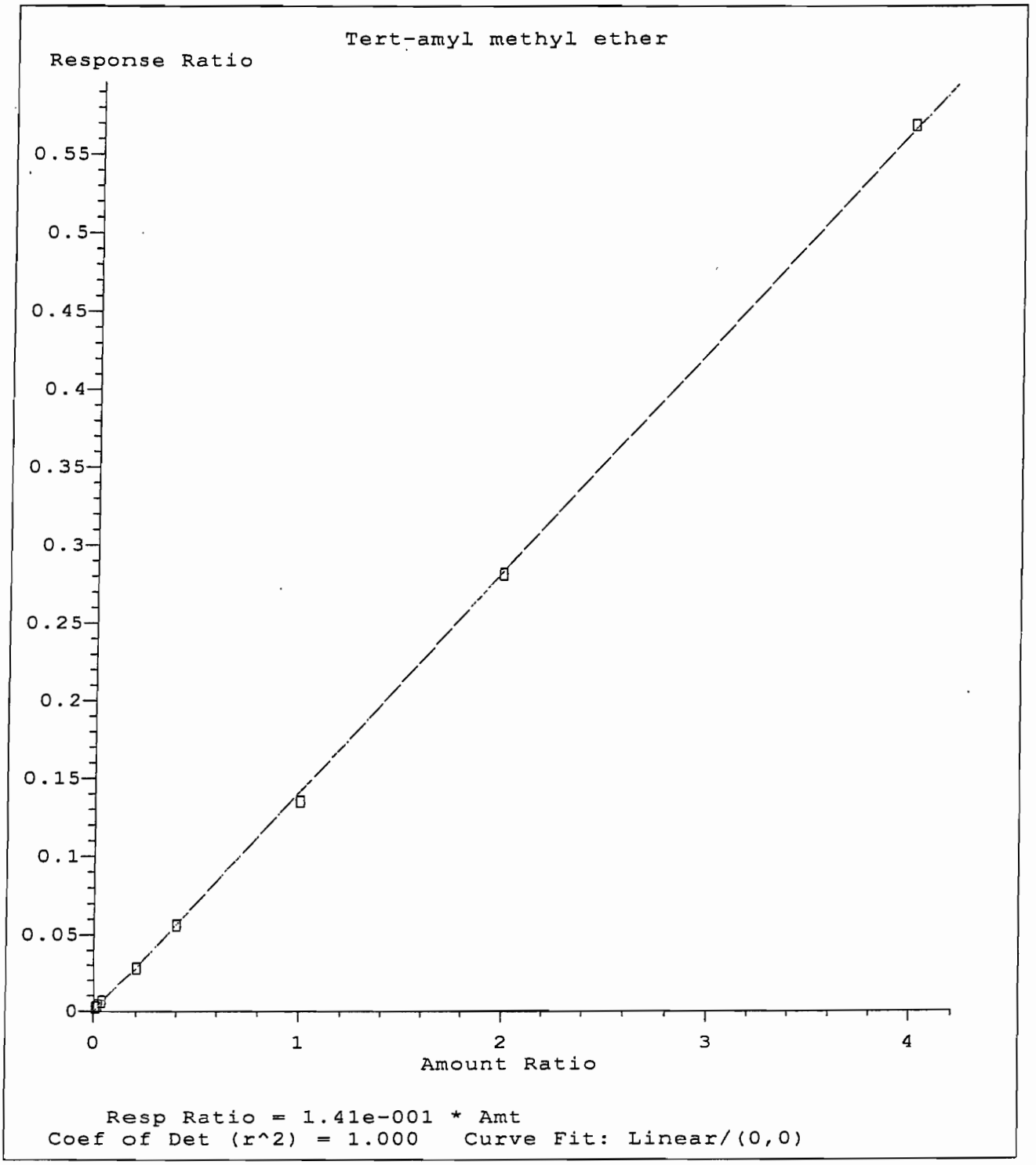
Method Name: F:\USERS\CHRISTOP\HP METHODS\HP 1\V1030805.M
Calibration Table Last Updated: Tue Mar 08 08:25:41 2005



Method Name: F:\USERS\CHRISTOP\HP METHODS\HP 1\V1030805.M
Calibration Table Last Updated: Tue Mar 08 08:28:38 2005



Method Name: F:\USERS\CHRISTOP\HP METHODS\HP 1\V1030805.M
Calibration Table Last Updated: Tue Mar 08 08:33:35 2005



Method Name: F:\USERS\CHRISTOP\HP METHODS\HP 1\V1030805.M
Calibration Table Last Updated: Tue Mar 08 08:31:19 2005

Quantitation Report (QT Reviewed)

Data File : G:\MAR2005\HPV1\0307\V1307000.D
Acq On : 7 Mar 2005 4:44 pm
Sample : 0.5 ppb voc Ical 5C07012
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 08 08:15:17 2005

Vial: 2
Operator: KL
Inst : HP #1
Multiplr: 1.00
Quant Results File: V1030805.RES

Quant Method : F:\USERS\C...\V1030805.M (RTE Integrator)
Title : Volatile Organics-GC/MS
Last Update : Tue Mar 08 08:14:31 2005
Response via : Initial Calibration
DataAcq Meth : V1030105

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.56	96	2222050	50.00	ug/L	0.00
50) Chlorobenzene-d5	9.71	82	869720	50.00	ug/L	0.00
71) 1,4-Dichlorobenzene-d4	12.05	152	604810	50.00	ug/L	0.00
System Monitoring Compounds						
25) Dibromofluoromethane	5.19	111	475230	0.00	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
27) 1,2-Dichloroethane-d4	5.69	65	449601	0.00	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
40) Toluene-d8	8.38	98	2112399	0.00	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
59) 4-Bromofluorobenzene	10.85	95	740706	0.00	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		

Target Compounds					Qvalue
2) Dichlorodifluoromethane (F	1.41	85	5010	No Calib	
3) Chloromethane	1.52	50	7007	No Calib	
4) Vinyl chloride	1.62	62	1555	No Calib	
5) Bromomethane	1.88	94	3967	No Calib	
6) Chloroethane	1.97	64	3557	No Calib	
7) Trichlorofluoromethane (Fr	2.39	101	7488	No Calib	
8) Acetone	2.51	58	3217	No Calib	
9) Ethyl ether	2.63	74	3402	No Calib	#
10) 1,1-Dichloroethene	2.84	96	5513	No Calib	
11) Tert-Butanol / butyl alcoh	2.95	59	5979	No Calib	
12) Acrylonitrile	2.93	53	2403	No Calib	
13) Methylene chloride	3.00	84	7534	No Calib	
14) Carbon disulfide	3.14	76	15630	No Calib	
15) Methyl tert-butyl ether	3.94	73	15314	No Calib	#
16) trans-1,2-Dichloroethene	3.74	96	5298	No Calib	
17) 2-Butanone (MEK)	4.69	43	6114	No Calib	
18) Di-isopropyl ether	4.75	45	16194	No Calib	#
19) Ethyl tert-butyl ether	5.23	59	15636	No Calib	#
20) 1,1-Dichloroethane	4.06	63	9166	No Calib	
21) 2,2-Dichloropropane	5.12	77	6517	No Calib	
22) cis-1,2-Dichloroethene	4.79	96	5569	No Calib	#
23) Bromochloromethane	4.96	128	2648	No Calib	
24) Chloroform	5.05	83	12306	No Calib	
26) Tetrahydrofuran	5.43	42	2700	No Calib	#
28) 1,1,1-Trichloroethane	5.86	97	6538	No Calib	
29) Carbon tetrachloride	6.25	117	4285	No Calib	
30) Tert-amyl methyl ether	6.56	55	5356	No Calib	#
31) 1,1-Dichloropropene	6.09	75	7412	No Calib	
32) Benzene	6.31	78	24260	No Calib	
33) 1,2-Dichloroethane	5.77	62	6282	No Calib	
34) Trichloroethene	6.99	95	6512	No Calib	
35) 1,2-Dichloropropane	6.94	63	5538	No Calib	
36) Dibromomethane	6.88	93	2950	No Calib	#
37) Bromodichloromethane	7.03	83	5585	No Calib	
38) 1,4-Dioxane	7.19	88	781	No Calib	#
39) 4-Methyl-2-pentanone (MIBK	7.87	43	4915	No Calib	#
41) 2-Hexanone (MBK)	8.72	43	4145	No Calib	
42) cis-1,3-Dichloropropene	7.71	75	7552	No Calib	
43) Toluene	8.45	92	16817	No Calib	

(#) = qualifier out of range (m) = manual integration

Data File : G:\MAR2005\HPV1\0307\V1307000.D Vial: 2
Acq On : 7 Mar 2005 4:44 pm Operator: KL
Sample : 0.5 ppb voc Ical 5C07012 Inst : HP #1
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 08 08:15:17 2005 Quant Results File: V1030805.RES

Quant Method : F:\USERS\C...\V1030805.M (RTE Integrator)
Title : Volatile Organics-GC/MS
Last Update : Tue Mar 08 08:14:31 2005
Response via : Initial Calibration
DataAcq Meth : V1030105

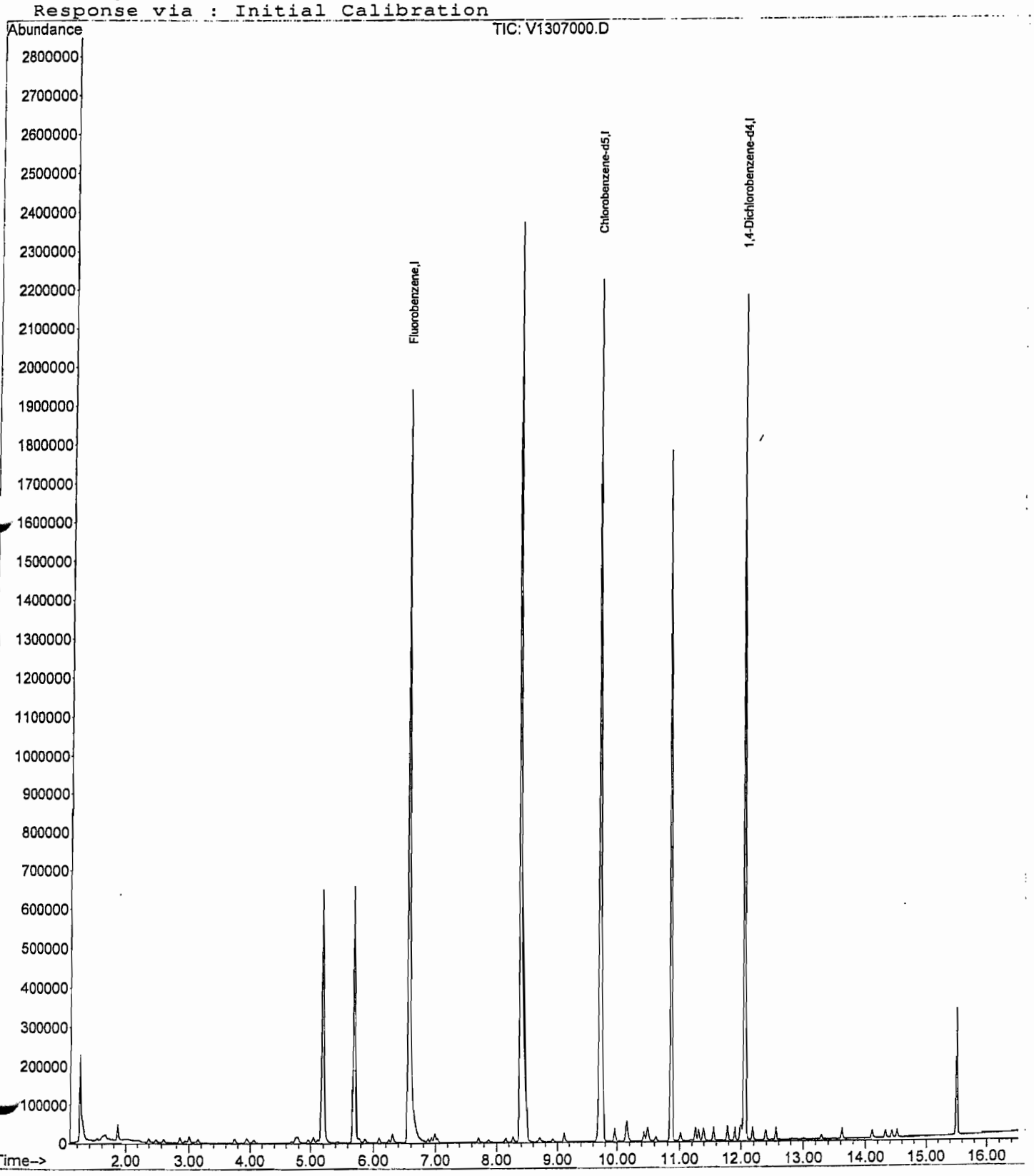
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
44)	trans-1,3-Dichloropropene	8.15	75	6604	No Calib	
45)	1,1,2-Trichloroethane	8.26	83	4001	No Calib	
46)	Tetrachloroethene	9.12	164	5674	No Calib	#
47)	1,3-Dichloropropane	8.50	76	8571	No Calib	
48)	Dibromochloromethane	8.71	129	3444	No Calib	
49)	1,2-Dibromoethane (EDB)	8.93	107	5019	No Calib	#
51)	Chlorobenzene	9.74	112	18022	No Calib	
52)	1,1,1,2-Tetrachloroethane	9.68	131	3740	No Calib	#
53)	Ethylbenzene	9.96	91	27676	No Calib	
54)	m,p-Xylene	10.15	106	21354	No Calib	
55)	o-Xylene	10.50	106	10185	No Calib	
56)	Styrene	10.43	104	13719	No Calib	
57)	Bromoform	10.16	173	2114	No Calib	
58)	Isopropylbenzene	10.85	105	23054	No Calib	
60)	Bromobenzene	11.01	156	6497	No Calib	
61)	1,1,2,2-Tetrachloroethane	10.49	83	6507	No Calib	
62)	1,2,3-Trichloropropane	10.62	75	5725	No Calib	
63)	n-Propylbenzene	11.26	91	27486	No Calib	
64)	2-Chlorotoluene	11.31	91	17600	No Calib	
65)	4-Chlorotoluene	11.39	91	18660	No Calib	
66)	1,3,5-Trimethylbenzene	11.55	105	19099	No Calib	
67)	tert-Butylbenzene	11.79	119	17111	No Calib	
68)	1,2,4-Trimethylbenzene	11.90	105	18108	No Calib	
69)	sec-Butylbenzene	11.98	105	25963	No Calib	
70)	1,3-Dichlorobenzene	12.02	146	11552	No Calib	
72)	4-Isopropyltoluene	12.18	119	18629	No Calib	
73)	1,4-Dichlorobenzene	12.08	146	12091	No Calib	
74)	1,2-Dichlorobenzene	12.39	146	10607	No Calib	
75)	n-Butylbenzene	12.56	91	16647	No Calib	
76)	1,2-Dibromo-3-chloropropan	12.82	75	1026	No Calib	#
77)	1,3,5-Trichlorobenzene	13.62	180	8252	No Calib	
78)	1,2,4-Trichlorobenzene	14.11	180	6485	No Calib	
79)	Hexachlorobutadiene	14.43	225	4114	No Calib	
80)	Naphthalene	14.33	128	15953	No Calib	
81)	1,2,3-Trichlorobenzene	14.52	180	6051	No Calib	

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

Quantitation Report (QT Reviewed)

Data File : G:\MAR2005\HPV1\0307\V1307000.D Vial: 2
Acq On : 7 Mar 2005 4:44 pm Operator: KL
Sample : 0.5 ppb voc Ical 5C07012 Inst : HP #1
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 8 8:30 2005 Quant Results File: V1030805.RES

Method : F:\USERS\CHRISTOP\HP METHODS\HP 1\V1030805.M (RTE Integrator)
Title : Volatile Organics-GC/MS
Last Update : Tue Mar 08 08:33:35 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : G:\MAR2005\HPV1\0307\V1307001.D
Acq On : 7 Mar 2005 5:08 pm
Sample : 1.0 ppb voc Ical 5C07013
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 08 08:15:24 2005

Vial: 3
Operator: KL
Inst : HP #1
Multiplr: 1.00
Quant Results File: V1030805.RES

Quant Method : F:\USERS\C...\V1030805.M (RTE Integrator)
Title : Volatile Organics-GC/MS
Last Update : Tue Mar 08 08:14:31 2005
Response via : Initial Calibration
DataAcq Meth : V1030105

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.56	96	2166275	50.00	ug/L	0.00
50) Chlorobenzene-d5	9.70	82	857671	50.00	ug/L	0.00
71) 1,4-Dichlorobenzene-d4	12.05	152	589432	50.00	ug/L	0.00
System Monitoring Compounds						
25) Dibromofluoromethane	5.19	111	466263	0.00	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
27) 1,2-Dichloroethane-d4	5.69	65	453084	0.00	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
40) Toluene-d8	8.38	98	2069421	0.00	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
59) 4-Bromofluorobenzene	10.85	95	725004	0.00	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane (F	1.41	85	9463	No Calib		
3) Chloromethane	1.51	50	12560	No Calib		
4) Vinyl chloride	1.61	62	3217	No Calib		
5) Bromomethane	1.87	94	7226	No Calib		
6) Chloroethane	1.97	64	6049	No Calib		
7) Trichlorofluoromethane (Fr	2.38	101	13120	No Calib		
8) Acetone	2.51	58	3553	No Calib		
9) Ethyl ether	2.62	74	6207	No Calib	#	
10) 1,1-Dichloroethene	2.85	96	9132	No Calib	#	
11) Tert-Butanol / butyl alcoh	2.95	59	6081	No Calib	#	
12) Acrylonitrile	2.94	53	3702	No Calib	#	
13) Methylene chloride	3.00	84	12977	No Calib		
14) Carbon disulfide	3.14	76	27598	No Calib		
15) Methyl tert-butyl ether	3.93	73	23035	No Calib	#	
16) trans-1,2-Dichloroethene	3.73	96	10178	No Calib		
17) 2-Butanone (MEK)	4.68	43	8724	No Calib		
18) Di-isopropyl ether	4.75	45	32569	No Calib	#	
19) Ethyl tert-butyl ether	5.22	59	27886	No Calib	#	
20) 1,1-Dichloroethane	4.05	63	17573	No Calib		
21) 2,2-Dichloropropane	5.12	77	12850	No Calib		
22) cis-1,2-Dichloroethene	4.79	96	10678	No Calib		
23) Bromochloromethane	4.96	128	4998	No Calib	#	
24) Chloroform	5.04	83	19347	No Calib		
26) Tetrahydrofuran	5.42	42	2196	No Calib	#	
28) 1,1,1-Trichloroethane	5.87	97	12431	No Calib		
29) Carbon tetrachloride	6.24	117	7765	No Calib		
30) Tert-amyl methyl ether	6.56	55	7705	No Calib	#	
31) 1,1-Dichloropropene	6.09	75	13489	No Calib		
32) Benzene	6.30	78	42402	No Calib		
33) 1,2-Dichloroethane	5.77	62	11643	No Calib		
34) Trichloroethene	6.99	95	10889	No Calib		
35) 1,2-Dichloropropane	6.93	63	10320	No Calib		
36) Dibromomethane	6.87	93	5287	No Calib		
37) Bromodichloromethane	7.03	83	10234	No Calib		
38) 1,4-Dioxane	7.19	88	1165	No Calib	#	
39) 4-Methyl-2-pentanone (MIBK	7.87	43	8004	No Calib	#	
41) 2-Hexanone (MBK)	8.71	43	7879	No Calib		
42) cis-1,3-Dichloropropene	7.71	75	14903	No Calib		
43) Toluene	8.45	92	26298	No Calib		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : G:\MAR2005\HPV1\0307\V1307001.D Vial: 3
Acq On : 7 Mar 2005 5:08 pm Operator: KL
Sample : 1.0 ppb voc Ical 5C07013 Inst : HP #1
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 08 08:15:24 2005 Quant Results File: V1030805.RES

Quant Method : F:\USERS\C...\V1030805.M (RTE Integrator)
Title : Volatile Organics-GC/MS
Last Update : Tue Mar 08 08:14:31 2005
Response via : Initial Calibration
DataAcq Meth : V1030105

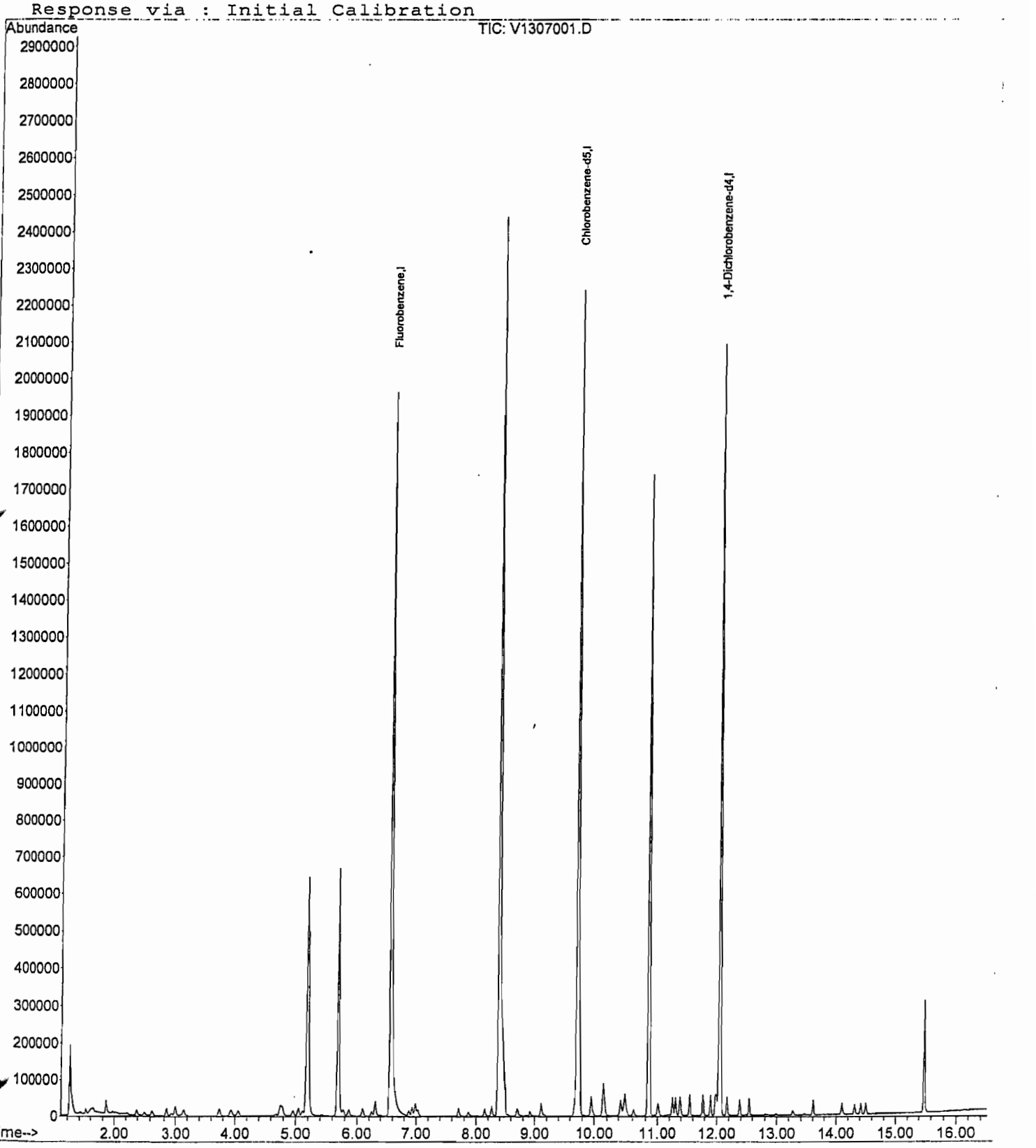
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
44)	trans-1,3-Dichloropropene	8.14	75	11979	No Calib	
45)	1,1,2-Trichloroethane	8.26	83	6718	No Calib	#
46)	Tetrachloroethene	9.11	164	9238	No Calib	
47)	1,3-Dichloropropane	8.49	76	15669	No Calib	
48)	Dibromochloromethane	8.70	129	6513	No Calib	
49)	1,2-Dibromoethane (EDB)	8.92	107	8285	No Calib	
51)	Chlorobenzene	9.73	112	30659	No Calib	
52)	1,1,1,2-Tetrachloroethane	9.67	131	7307	No Calib	#
53)	Ethylbenzene	9.95	91	46609	No Calib	
54)	m,p-Xylene	10.14	106	37348	No Calib	
55)	o-Xylene	10.50	106	18161	No Calib	#
56)	Styrene	10.43	104	25749	No Calib	
57)	Bromoform	10.16	173	3305	No Calib	
58)	Isopropylbenzene	10.84	105	38694	No Calib	
60)	Bromobenzene	11.01	156	10991	No Calib	
61)	1,1,2,2-Tetrachloroethane	10.48	83	9124	No Calib	
62)	1,2,3-Trichloropropane	10.61	75	7719	No Calib	
63)	n-Propylbenzene	11.25	91	43906	No Calib	
64)	2-Chlorotoluene	11.30	91	29842	No Calib	
65)	4-Chlorotoluene	11.38	91	29984	No Calib	
66)	1,3,5-Trimethylbenzene	11.55	105	32278	No Calib	
67)	tert-Butylbenzene	11.78	119	27846	No Calib	
68)	1,2,4-Trimethylbenzene	11.89	105	30239	No Calib	
69)	sec-Butylbenzene	11.98	105	38591	No Calib	
70)	1,3-Dichlorobenzene	12.00	146	19720	No Calib	
72)	4-Isopropyltoluene	12.17	119	29413	No Calib	
73)	1,4-Dichlorobenzene	12.07	146	19205	No Calib	
74)	1,2-Dichlorobenzene	12.38	146	17166	No Calib	
75)	n-Butylbenzene	12.54	91	24208	No Calib	
76)	1,2-Dibromo-3-chloropropan	12.81	75	1082	No Calib	
77)	1,3,5-Trichlorobenzene	13.61	180	12667	No Calib	
78)	1,2,4-Trichlorobenzene	14.10	180	9536	No Calib	
79)	Hexachlorobutadiene	14.42	225	5797	No Calib	
80)	Naphthalene	14.32	128	21142	No Calib	
81)	1,2,3-Trichlorobenzene	14.50	180	9766	No Calib	

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

Quantitation Report (QT Reviewed)

Data File : G:\MAR2005\HPV1\0307\V1307001.D Vial: 3
Acq On : 7 Mar 2005 5:08 pm Operator: KL
Sample : 1.0 ppb voc Ical 5C07013 Inst : HP #1
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 8 8:23 2005 Quant Results File: V1030805.RES

Method : F:\USERS\CHRISTOP\HP METHODS\HP 1\V1030805.M (RTE Integrator)
Title : Volatile Organics-GC/MS
Last Update : Tue Mar 08 08:33:35 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : G:\MAR2005\HPV1\0307\V1307002.D
Acq On : 7 Mar 2005 5:31 pm
Sample : 2.0 ppb voc Ical 5C07014
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 08 08:15:30 2005

Vial: 4
Operator: KL
Inst : HP #1
Multiplr: 1.00
Quant Results File: V1030805.RES

Quant Method : F:\USERS\C...\V1030805.M (RTE Integrator)
Title : Volatile Organics-GC/MS
Last Update : Tue Mar 08 08:14:31 2005
Response via : Initial Calibration
DataAcq Meth : V1030105

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.56	96	2205939	50.00	ug/L	0.00
50) Chlorobenzene-d5	9.70	82	859973	50.00	ug/L	0.00
71) 1,4-Dichlorobenzene-d4	12.05	152	549990	50.00	ug/L	0.00
System Monitoring Compounds						
25) Dibromofluoromethane	5.19	111	472612	0.00	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
27) 1,2-Dichloroethane-d4	5.69	65	450594	0.00	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
40) Toluene-d8	8.38	98	2097302	0.00	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
59) 4-Bromofluorobenzene	10.84	95	698454	0.00	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane (F	1.40	85	17733	No Calib		
3) Chloromethane	1.51	50	24454	No Calib		
4) Vinyl chloride	1.61	62	5690	No Calib		
5) Bromomethane	1.87	94	12717	No Calib		
6) Chloroethane	1.97	64	13687	No Calib		
7) Trichlorofluoromethane (Fr	2.38	101	24407	No Calib		
8) Acetone	2.50	58	5393	No Calib		
9) Ethyl ether	2.62	74	10963	No Calib	#	
10) 1,1-Dichloroethene	2.84	96	17561	No Calib		
11) Tert-Butanol / butyl alcoh	2.94	59	10155	No Calib	#	
12) Acrylonitrile	2.93	53	7252	No Calib	#	
13) Methylene chloride	3.00	84	23084	No Calib		
14) Carbon disulfide	3.14	76	59160	No Calib		
15) Methyl tert-butyl ether	3.93	73	46808	No Calib	#	
16) trans-1,2-Dichloroethene	3.74	96	21462	No Calib		
17) 2-Butanone (MEK)	4.68	43	12075	No Calib		
18) Di-isopropyl ether	4.75	45	63607	No Calib	#	
19) Ethyl tert-butyl ether	5.22	59	55999	No Calib	#	
20) 1,1-Dichloroethane	4.05	63	34619	No Calib		
21) 2,2-Dichloropropane	5.12	77	24009	No Calib		
22) cis-1,2-Dichloroethene	4.79	96	21985	No Calib		
23) Bromochloromethane	4.96	128	9833	No Calib		
24) Chloroform	5.05	83	35735	No Calib		
26) Tetrahydrofuran	5.42	42	5219	No Calib	#	
28) 1,1,1-Trichloroethane	5.87	97	24699	No Calib		
29) Carbon tetrachloride	6.25	117	15635	No Calib		
30) Tert-amyl methyl ether	6.56	55	13636	No Calib	#	
31) 1,1-Dichloropropene	6.09	75	25615	No Calib		
32) Benzene	6.31	78	84393	No Calib		
33) 1,2-Dichloroethane	5.77	62	23171	No Calib		
34) Trichloroethene	6.99	95	20908	No Calib		
35) 1,2-Dichloropropane	6.94	63	20803	No Calib		
36) Dibromomethane	6.87	93	10568	No Calib	#	
37) Bromodichloromethane	7.03	83	20229	No Calib		
38) 1,4-Dioxane	7.20	88	2298	No Calib	#	
39) 4-Methyl-2-pentanone (MIBK	7.87	43	16058	No Calib	#	
41) 2-Hexanone (MBK)	8.71	43	13786	No Calib		
42) cis-1,3-Dichloropropene	7.71	75	28883	No Calib		
43) Toluene	8.44	92	55249	No Calib		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : G:\MAR2005\HPV1\0307\V1307002.D Vial: 4
Acq On : 7 Mar 2005 5:31 pm Operator: KL
Sample : 2.0 ppb voc Ical 5C07014 Inst : HP #1
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 08 08:15:30 2005 Quant Results File: V1030805.RES

Quant Method : F:\USERS\C...\V1030805.M (RTE Integrator)
Title : Volatile Organics-GC/MS
Last Update : Tue Mar 08 08:14:31 2005
Response via : Initial Calibration
DataAcq Meth : V1030105

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
44)	trans-1,3-Dichloropropene	8.14	75	24372	No Calib	
45)	1,1,2-Trichloroethane	8.26	83	13517	No Calib	
46)	Tetrachloroethene	9.11	164	18439	No Calib	
47)	1,3-Dichloropropane	8.50	76	29636	No Calib	
48)	Dibromochloromethane	8.70	129	12250	No Calib	
49)	1,2-Dibromoethane (EDB)	8.92	107	15975	No Calib	
51)	Chlorobenzene	9.73	112	62601	No Calib	
52)	1,1,1,2-Tetrachloroethane	9.67	131	14376	No Calib	
53)	Ethylbenzene	9.95	91	94903	No Calib	
54)	m,p-Xylene	10.14	106	72692	No Calib	
55)	o-Xylene	10.50	106	34556	No Calib	
56)	Styrene	10.43	104	51296	No Calib	
57)	Bromoform	10.16	173	6535	No Calib	
58)	Isopropylbenzene	10.84	105	77239	No Calib	
60)	Bromobenzene	11.01	156	21605	No Calib	
61)	1,1,2,2-Tetrachloroethane	10.48	83	19645	No Calib	
62)	1,2,3-Trichloropropane	10.61	75	16006	No Calib	
63)	n-Propylbenzene	11.25	91	90901	No Calib	
64)	2-Chlorotoluene	11.30	91	58815	No Calib	
65)	4-Chlorotoluene	11.38	91	60084	No Calib	
66)	1,3,5-Trimethylbenzene	11.54	105	66608	No Calib	
67)	tert-Butylbenzene	11.77	119	56592	No Calib	
68)	1,2,4-Trimethylbenzene	11.89	105	65387	No Calib	
69)	sec-Butylbenzene	11.98	105	80516	No Calib	
70)	1,3-Dichlorobenzene	12.00	146	38134	No Calib	
72)	4-Isopropyltoluene	12.17	119	62317	No Calib	
73)	1,4-Dichlorobenzene	12.07	146	35988	No Calib	
74)	1,2-Dichlorobenzene	12.38	146	36105	No Calib	
75)	n-Butylbenzene	12.54	91	54423	No Calib	
76)	1,2-Dibromo-3-chloropropan	12.81	75	2286	No Calib	
77)	1,3,5-Trichlorobenzene	13.61	180	26571	No Calib	
78)	1,2,4-Trichlorobenzene	14.10	180	21027	No Calib	
79)	Hexachlorobutadiene	14.41	225	11390	No Calib	
80)	Naphthalene	14.31	128	42873	No Calib	
81)	1,2,3-Trichlorobenzene	14.50	180	20324	No Calib	

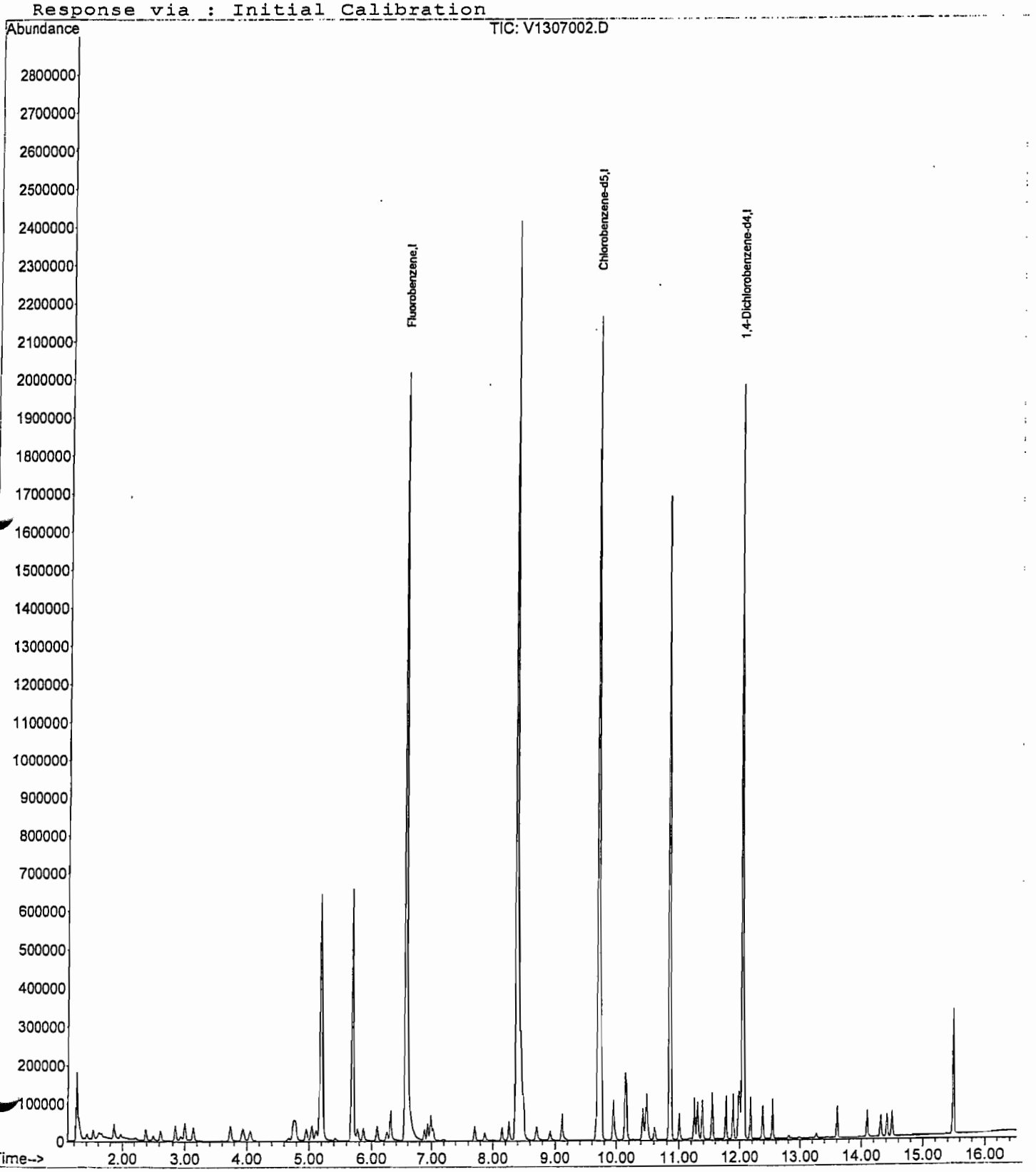
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : G:\MAR2005\HPV1\0307\V1307002.D
Acq On : 7 Mar 2005 5:31 pm
Sample : 2.0 ppb voc Ical 5C07014
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 8 8:19 2005

Vial: 4
Operator: KL
Inst : HP #1
Multiplr: 1.00

Quant Results File: V1030805.RES

Method : F:\USERS\CHRISTOP\HP METHODS\HP 1\V1030805.M (RTE Integrator)
Title : Volatile Organics-GC/MS
Last Update : Tue Mar 08 08:33:35 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : G:\MAR2005\HPV1\0307\V1307010.D Vial: 5
Acq On : 7 Mar 2005 5:55 pm Operator: KL
Sample : 10 ppb voc Ical 5C07015 Inst : HP #1
Misc : Multip1r: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 08 08:15:38 2005 Quant Results File: V1030805.RES

Quant Method : F:\USERS\C...\V1030805.M (RTE Integrator)
Title : Volatile Organics-GC/MS
Last Update : Tue Mar 08 08:14:31 2005
Response via : Initial Calibration
DataAcq Meth : V1030105

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.56	96	2257924	50.00	ug/L	0.00
50) Chlorobenzene-d5	9.70	82	902273	50.00	ug/L	0.00
71) 1,4-Dichlorobenzene-d4	12.05	152	603215	50.00	ug/L	0.00
System Monitoring Compounds						
25) Dibromofluoromethane	5.19	111	486380	0.00	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
27) 1,2-Dichloroethane-d4	5.69	65	461375	0.00	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
40) Toluene-d8	8.38	98	2142336	0.00	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
59) 4-Bromofluorobenzene	10.85	95	747777	0.00	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		

Target Compounds					Qvalue
2) Dichlorodifluoromethane (F	1.41	85	89841	No Calib	
3) Chloromethane	1.51	50	120961	No Calib	
4) Vinyl chloride	1.61	62	26478	No Calib	
5) Bromomethane	1.87	94	54040	No Calib	
6) Chloroethane	1.97	64	64709	No Calib	
7) Trichlorofluoromethane (Fr	2.39	101	126026	No Calib	
8) Acetone	2.51	58	15594	No Calib	
9) Ethyl ether	2.62	74	53034	No Calib	#
10) 1,1-Dichloroethene	2.84	96	90128	No Calib	
11) Tert-Butanol / butyl alcoh	2.94	59	45300	No Calib	#
12) Acrylonitrile	2.93	53	29365	No Calib	#
13) Methylene chloride	3.00	84	107306	No Calib	
14) Carbon disulfide	3.14	76	307037	No Calib	
15) Methyl tert-butyl ether	3.93	73	226242	No Calib	#
16) trans-1,2-Dichloroethene	3.74	96	103630	No Calib	
17) 2-Butanone (MEK)	4.68	43	49840	No Calib	#
18) Di-isopropyl ether	4.76	45	329901	No Calib	#
19) Ethyl tert-butyl ether	5.22	59	284017	No Calib	#
20) 1,1-Dichloroethane	4.06	63	175979	No Calib	
21) 2,2-Dichloropropane	5.12	77	126334	No Calib	
22) cis-1,2-Dichloroethene	4.79	96	111242	No Calib	
23) Bromochloromethane	4.96	128	49509	No Calib	
24) Chloroform	5.04	83	166292	No Calib	
26) Tetrahydrofuran	5.42	42	20603	No Calib	#
28) 1,1,1-Trichloroethane	5.86	97	125930	No Calib	
29) Carbon tetrachloride	6.25	117	85023	No Calib	
30) Tert-amyl methyl ether	6.56	55	62809	No Calib	#
31) 1,1-Dichloropropene	6.09	75	135576	No Calib	
32) Benzene	6.31	78	433514	No Calib	
33) 1,2-Dichloroethane	5.78	62	113798	No Calib	
34) Trichloroethene	6.99	95	102414	No Calib	
35) 1,2-Dichloropropane	6.93	63	104492	No Calib	
36) Dibromomethane	6.87	93	51516	No Calib	
37) Bromodichloromethane	7.03	83	104939	No Calib	
38) 1,4-Dioxane	7.19	88	9061	No Calib	#
39) 4-Methyl-2-pentanone (MIBK	7.87	43	66290	No Calib	#
41) 2-Hexanone (MBK)	8.71	43	58911	No Calib	
42) cis-1,3-Dichloropropene	7.71	75	155554	No Calib	
43) Toluene	8.45	92	289148	No Calib	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : G:\MAR2005\HPV1\0307\V1307010.D
Acq On : 7 Mar 2005 5:55 pm
Sample : 10 ppb voc Ical 5C07015
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 08 08:15:38 2005

Vial: 5
Operator: KL
Inst : HP #1
Multiplr: 1.00
Quant Results File: V1030805.RES

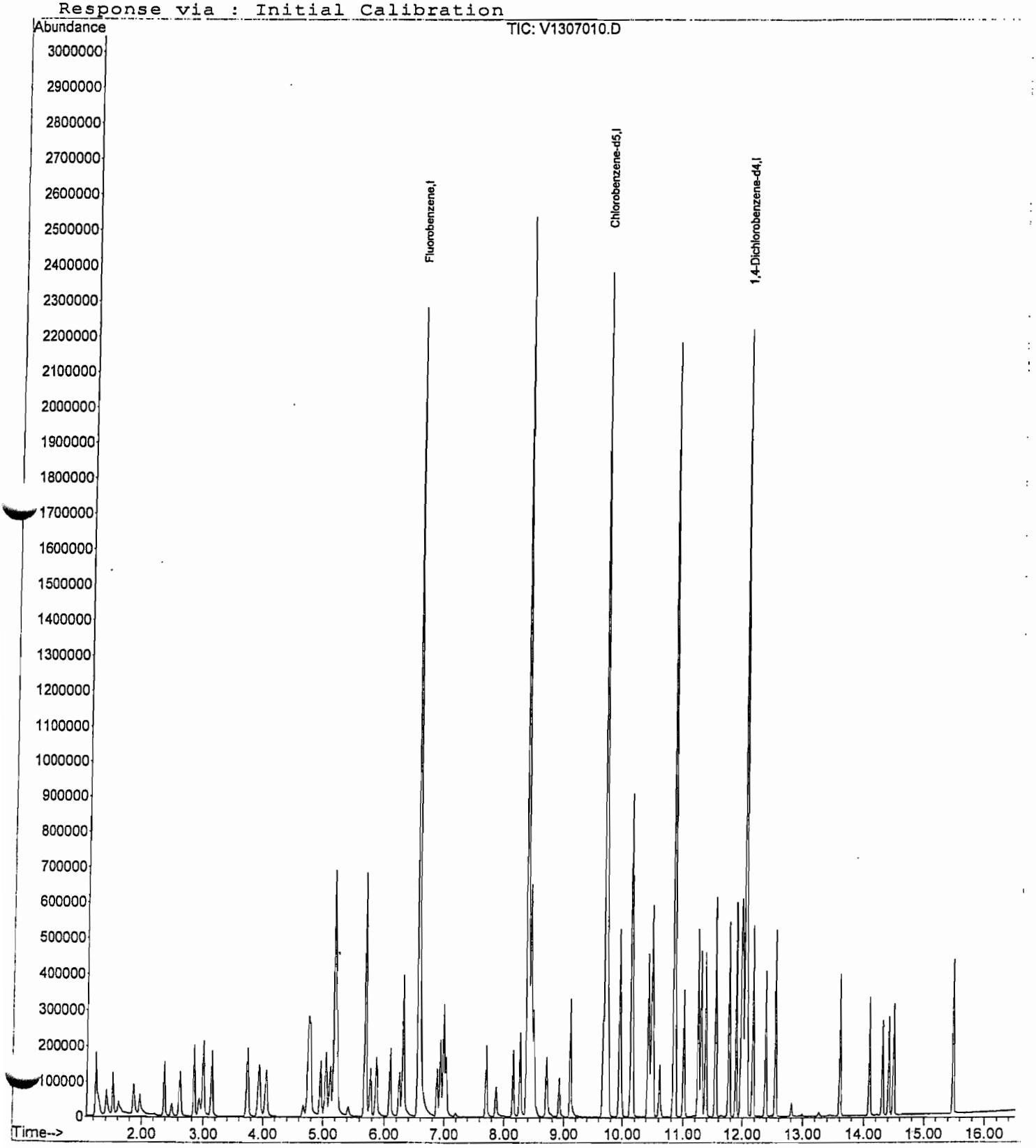
Quant Method : F:\USERS\C...\V1030805.M (RTE Integrator)
Title : Volatile Organics-GC/MS
Last Update : Tue Mar 08 08:14:31 2005
Response via : Initial Calibration
DataAcq Meth : V1030105

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
44)	trans-1,3-Dichloropropene	8.14	75	127154	No Calib	
45)	1,1,2-Trichloroethane	8.26	83	68768	No Calib	
46)	Tetrachloroethene	9.11	164	88776	No Calib	
47)	1,3-Dichloropropane	8.49	76	144591	No Calib	
48)	Dibromochloromethane	8.70	129	65343	No Calib	
49)	1,2-Dibromoethane (EDB)	8.92	107	81072	No Calib	
51)	Chlorobenzene	9.73	112	311918	No Calib	
52)	1,1,1,2-Tetrachloroethane	9.67	131	76425	No Calib	
53)	Ethylbenzene	9.95	91	496363	No Calib	
54)	m,p-Xylene	10.14	106	380280	No Calib	
55)	o-Xylene	10.50	106	183792	No Calib	
56)	Styrene	10.43	104	295892	No Calib	
57)	Bromoform	10.16	173	31343	No Calib	
58)	Isopropylbenzene	10.84	105	388078	No Calib	
60)	Bromobenzene	11.01	156	109525	No Calib	
61)	1,1,2,2-Tetrachloroethane	10.48	83	90679	No Calib	
62)	1,2,3-Trichloropropane	10.61	75	72836	No Calib	
63)	n-Propylbenzene	11.25	91	460765	No Calib	
64)	2-Chlorotoluene	11.30	91	301361	No Calib	
65)	4-Chlorotoluene	11.38	91	304899	No Calib	
66)	1,3,5-Trimethylbenzene	11.54	105	349864	No Calib	
67)	tert-Butylbenzene	11.78	119	280834	No Calib	
68)	1,2,4-Trimethylbenzene	11.89	105	331750	No Calib	
69)	sec-Butylbenzene	11.98	105	403687	No Calib	
70)	1,3-Dichlorobenzene	12.00	146	191976	No Calib	
72)	4-Isopropyltoluene	12.17	119	313078	No Calib	
73)	1,4-Dichlorobenzene	12.07	146	184549	No Calib	
74)	1,2-Dichlorobenzene	12.38	146	176395	No Calib	
75)	n-Butylbenzene	12.54	91	277283	No Calib	
76)	1,2-Dibromo-3-chloropropan	12.81	75	9241	No Calib	
77)	1,3,5-Trichlorobenzene	13.61	180	132116	No Calib	
78)	1,2,4-Trichlorobenzene	14.10	180	108884	No Calib	
79)	Hexachlorobutadiene	14.42	225	54847	No Calib	
80)	Naphthalene	14.31	128	210803	No Calib	
81)	1,2,3-Trichlorobenzene	14.50	180	99453	No Calib	

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

Data File : G:\MAR2005\HPV1\0307\V1307010.D Vial: 5
Acq On : 7 Mar 2005 5:55 pm Operator: KL
Sample : 10 ppb voc Ical 5C07015 Inst : HP #1
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 8 8:16 2005 Quant Results File: V1030805.RES

Method : F:\USERS\CHRISTOP\HP METHODS\HP 1\V1030805.M (RTE Integrator)
Title : Volatile Organics-GC/MS
Last Update : Tue Mar 08 08:33:35 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : G:\MAR2005\HPV1\0307\V1307020.D Vial: 6
Acq On : 7 Mar 2005 6:19 pm Operator: KL
Sample : 20 ppb voc Ical 5C07016 Inst : HP #1
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 08 08:15:46 2005 Quant Results File: V1030805.RES

Quant Method : F:\USERS\C...\V1030805.M (RTE Integrator)
Title : Volatile Organics-GC/MS
Last Update : Tue Mar 08 08:14:31 2005
Response via : Initial Calibration
DataAcq Meth : V1030105

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.56	96	2186383	50.00	ug/L	0.00
50) Chlorobenzene-d5	9.70	82	897908	50.00	ug/L	0.00
71) 1,4-Dichlorobenzene-d4	12.05	152	606915	50.00	ug/L	0.00
System Monitoring Compounds						
25) Dibromofluoromethane	5.19	111	473947	0.00	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
27) 1,2-Dichloroethane-d4	5.69	65	451058	0.00	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
40) Toluene-d8	8.38	98	2116800	0.00	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
59) 4-Bromofluorobenzene	10.85	95	763292	0.00	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane (F	1.41	85	174217	No Calib		
3) Chloromethane	1.51	50	233835	No Calib		
4) Vinyl chloride	1.61	62	52473	No Calib		
5) Bromomethane	1.87	94	108051	No Calib		
6) Chloroethane	1.97	64	125908	No Calib		
7) Trichlorofluoromethane (Fr	2.39	101	244884	No Calib		
8) Acetone	2.51	58	19408	No Calib		
9) Ethyl ether	2.62	74	106284	No Calib	#	
10) 1,1-Dichloroethene	2.84	96	176738	No Calib		
11) Tert-Butanol / butyl alcoh	2.94	59	94402	No Calib	#	
12) Acrylonitrile	2.93	53	59873	No Calib	#	
13) Methylene chloride	3.00	84	210894	No Calib		
14) Carbon disulfide	3.14	76	603092	No Calib		
15) Methyl tert-butyl ether	3.93	73	452436	No Calib	#	
16) trans-1,2-Dichloroethene	3.74	96	205960	No Calib		
17) 2-Butanone (MEK)	4.68	43	78265	No Calib	#	
18) Di-isopropyl ether	4.75	45	671985	No Calib	#	
19) Ethyl tert-butyl ether	5.23	59	564575	No Calib	#	
20) 1,1-Dichloroethane	4.06	63	344733	No Calib		
21) 2,2-Dichloropropane	5.12	77	246956	No Calib		
22) cis-1,2-Dichloroethene	4.79	96	218030	No Calib		
23) Bromochloromethane	4.96	128	96658	No Calib		
24) Chloroform	5.05	83	319242	No Calib		
26) Tetrahydrofuran	5.41	42	41432	No Calib	#	
28) 1,1,1-Trichloroethane	5.87	97	253814	No Calib		
29) Carbon tetrachloride	6.25	117	174902	No Calib		
30) Tert-amyl methyl ether	6.57	55	122525	No Calib	#	
31) 1,1-Dichloropropene	6.09	75	262592	No Calib		
32) Benzene	6.31	78	840845	No Calib		
33) 1,2-Dichloroethane	5.77	62	223392	No Calib		
34) Trichloroethene	6.99	95	204122	No Calib		
35) 1,2-Dichloropropane	6.93	63	203757	No Calib		
36) Dibromomethane	6.87	93	99093	No Calib		
37) Bromodichloromethane	7.03	83	211803	No Calib		
38) 1,4-Dioxane	7.19	88	17939	No Calib	#	
39) 4-Methyl-2-pentanone (MIBK	7.87	43	132489	No Calib	#	
41) 2-Hexanone (MBK)	8.71	43	96435	No Calib		
42) cis-1,3-Dichloropropene	7.71	75	311882	No Calib		
43) Toluene	8.45	92	571094	No Calib		

(#) = qualifier out of range (m) = manual integration

Data File : G:\MAR2005\HPV1\0307\V1307020.D Vial: 6
Acq On : 7 Mar 2005 6:19 pm Operator: KL
Sample : 20 ppb voc Ical 5C07016 Inst : HP #1
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 08 08:15:46 2005 Quant Results File: V1030805.RES

Quant Method : F:\USERS\C...\V1030805.M (RTE Integrator)
Title : Volatile Organics-GC/MS
Last Update : Tue Mar 08 08:14:31 2005
Response via : Initial Calibration
DataAcq Meth : V1030105

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
44)	trans-1,3-Dichloropropene	8.14	75	253720	No Calib	
45)	1,1,2-Trichloroethane	8.26	83	133173	No Calib	
46)	Tetrachloroethene	9.11	164	176437	No Calib	
47)	1,3-Dichloropropane	8.50	76	284917	No Calib	
48)	Dibromochloromethane	8.70	129	134664	No Calib	
49)	1,2-Dibromoethane (EDB)	8.92	107	160686	No Calib	
51)	Chlorobenzene	9.73	112	615274	No Calib	
52)	1,1,1,2-Tetrachloroethane	9.67	131	158312	No Calib	
53)	Ethylbenzene	9.95	91	1011495	No Calib	
54)	m,p-Xylene	10.14	106	773333	No Calib	
55)	o-Xylene	10.50	106	381614	No Calib	
56)	Styrene	10.43	104	622070	No Calib	
57)	Bromoform	10.16	173	66990	No Calib	
58)	Isopropylbenzene	10.84	105	784002	No Calib	
60)	Bromobenzene	11.01	156	225500	No Calib	
61)	1,1,2,2-Tetrachloroethane	10.48	83	183833	No Calib	
62)	1,2,3-Trichloropropane	10.61	75	142541	No Calib	
63)	n-Propylbenzene	11.25	91	916978	No Calib	
64)	2-Chlorotoluene	11.30	91	624544	No Calib	
65)	4-Chlorotoluene	11.38	91	626793	No Calib	
66)	1,3,5-Trimethylbenzene	11.54	105	685206	No Calib	
67)	tert-Butylbenzene	11.77	119	530447	No Calib	
68)	1,2,4-Trimethylbenzene	11.89	105	653222	No Calib	
69)	sec-Butylbenzene	11.98	105	754069	No Calib	
70)	1,3-Dichlorobenzene	12.00	146	386872	No Calib	
72)	4-Isopropyltoluene	12.17	119	592663	No Calib	
73)	1,4-Dichlorobenzene	12.07	146	372299	No Calib	
74)	1,2-Dichlorobenzene	12.38	146	359027	No Calib	
75)	n-Butylbenzene	12.54	91	519092	No Calib	
76)	1,2-Dibromo-3-chloropropan	12.81	75	18783	No Calib	
77)	1,3,5-Trichlorobenzene	13.61	180	261579	No Calib	
78)	1,2,4-Trichlorobenzene	14.10	180	220677	No Calib	
79)	Hexachlorobutadiene	14.41	225	102635	No Calib	
80)	Naphthalene	14.31	128	440055	No Calib	
81)	1,2,3-Trichlorobenzene	14.50	180	201415	No Calib	

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

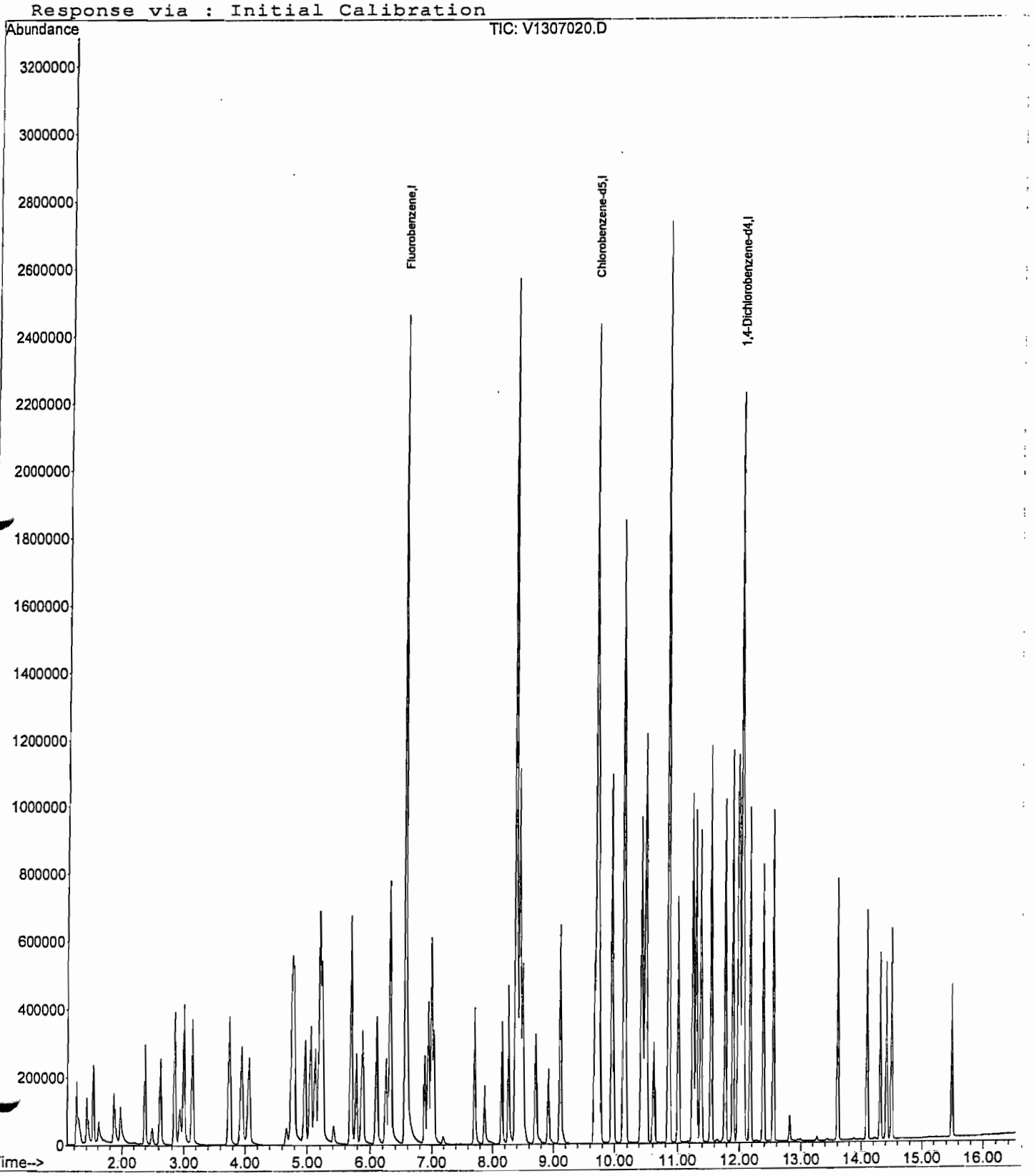
Quantitation Report (QT Reviewed)

Data File : G:\MAR2005\HPV1\0307\V1307020.D
Acq On : 7 Mar 2005 6:19 pm
Sample : 20 ppb voc Ical 5C07016
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 8 8:16 2005

Vial: 6
Operator: KL
Inst : HP #1
Multiplr: 1.00

Quant Results File: V1030805.RES

Method : F:\USERS\CHRISTOP\HP METHODS\HP 1\V1030805.M (RTE Integrator)
Title : Volatile Organics-GC/MS
Last Update : Tue Mar 08 08:33:35 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : G:\MAR2005\HPV1\0307\V1307050.D Vial: 7
Acq On : 7 Mar 2005 6:42 pm Operator: KL
Sample : 50 ppb voc Ical 5C07017 Inst : HP #1
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 08 08:15:53 2005 Quant Results File: V1030805.RES

Quant Method : F:\USERS\C...\V1030805.M (RTE Integrator)
Title : Volatile Organics-GC/MS
Last Update : Tue Mar 08 08:14:31 2005
Response via : Initial Calibration
DataAcq Meth : V1030105

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.56	96	2125834	50.00	ug/L	0.00
50) Chlorobenzene-d5	9.70	82	890384	50.00	ug/L	0.00
71) 1,4-Dichlorobenzene-d4	12.05	152	656167	50.00	ug/L	0.00
System Monitoring Compounds						
25) Dibromofluoromethane	5.19	111	458656	0.00	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
27) 1,2-Dichloroethane-d4	5.69	65	430647	0.00	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
40) Toluene-d8	8.38	98	2079755	0.00	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
59) 4-Bromofluorobenzene	10.85	95	774665	0.00	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane (F	1.41	85	380708	No Calib		
3) Chloromethane	1.51	50	546709	No Calib		
4) Vinyl chloride	1.61	62	119757	No Calib		
5) Bromomethane	1.87	94	262860	No Calib		
6) Chloroethane	1.97	64	294013	No Calib		
7) Trichlorofluoromethane (Fr	2.39	101	560816	No Calib		
8) Acetone	2.51	58	52898	No Calib		
9) Ethyl ether	2.62	74	243294	No Calib	#	
10) 1,1-Dichloroethene	2.84	96	407173	No Calib		
11) Tert-Butanol / butyl alcoh	2.94	59	233218	No Calib	#	
12) Acrylonitrile	2.93	53	137019	No Calib	#	
13) Methylene chloride	3.00	84	483604	No Calib		
14) Carbon disulfide	3.14	76	1412028	No Calib		
15) Methyl tert-butyl ether	3.93	73	1056256	No Calib	#	
16) trans-1,2-Dichloroethene	3.74	96	479918	No Calib		
17) 2-Butanone (MEK)	4.67	43	201684	No Calib	#	
18) Di-isopropyl ether	4.76	45	1591962	No Calib	#	
19) Ethyl tert-butyl ether	5.23	59	1340556	No Calib	#	
20) 1,1-Dichloroethane	4.05	63	804475	No Calib		
21) 2,2-Dichloropropane	5.12	77	581444	No Calib		
22) cis-1,2-Dichloroethene	4.79	96	505236	No Calib		
23) Bromochloromethane	4.96	128	223704	No Calib		
24) Chloroform	5.05	83	747582	No Calib		
26) Tetrahydrofuran	5.41	42	98612	No Calib	#	
28) 1,1,1-Trichloroethane	5.87	97	595433	No Calib		
29) Carbon tetrachloride	6.25	117	432353	No Calib		
30) Tert-amyl methyl ether	6.56	55	286951	No Calib	#	
31) 1,1-Dichloropropene	6.09	75	610795	No Calib		
32) Benzene	6.31	78	1983498	No Calib		
33) 1,2-Dichloroethane	5.78	62	514170	No Calib		
34) Trichloroethene	6.99	95	474018	No Calib		
35) 1,2-Dichloropropane	6.94	63	480356	No Calib		
36) Dibromomethane	6.87	93	230292	No Calib		
37) Bromodichloromethane	7.03	83	507469	No Calib		
38) 1,4-Dioxane	7.19	88	41209	No Calib	#	
39) 4-Methyl-2-pentanone (MIBK	7.87	43	327234	No Calib	#	
41) 2-Hexanone (MBK)	8.71	43	272912	No Calib		
42) cis-1,3-Dichloropropene	7.71	75	746905	No Calib		
43) Toluene	8.45	92	1347098	No Calib		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : G:\MAR2005\HPV1\0307\V1307050.D Vial: 7
Acq On : 7 Mar 2005 6:42 pm Operator: KL
Sample : 50 ppb voc Ical 5C07017 Inst : HP #1
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 08 08:15:53 2005 Quant Results File: V1030805.RES

Quant Method : F:\USERS\C...\V1030805.M (RTE Integrator)
Title : Volatile Organics-GC/MS
Last Update : Tue Mar 08 08:14:31 2005
Response via : Initial Calibration
DataAcq Meth : V1030105

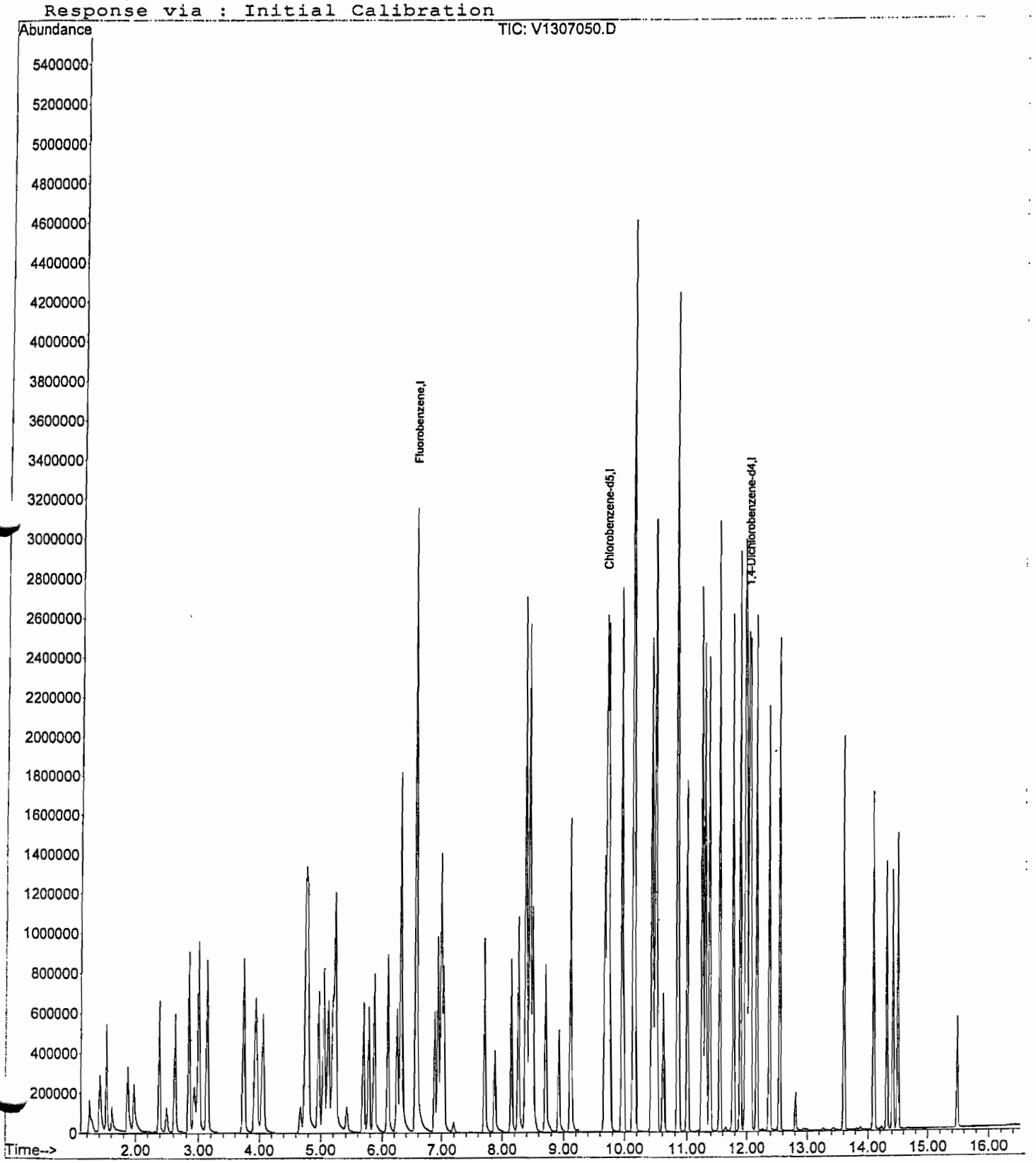
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
44)	trans-1,3-Dichloropropene	8.15	75	618522	No Calib	
45)	1,1,2-Trichloroethane	8.26	83	308245	No Calib	
46)	Tetrachloroethene	9.11	164	409530	No Calib	
47)	1,3-Dichloropropane	8.50	76	672351	No Calib	
48)	Dibromochloromethane	8.70	129	346372	No Calib	
49)	1,2-Dibromoethane (EDB)	8.92	107	374413	No Calib	
51)	Chlorobenzene	9.73	112	1454545	No Calib	
52)	1,1,1,2-Tetrachloroethane	9.67	131	397127	No Calib	
53)	Ethylbenzene	9.95	91	2475858	No Calib	
54)	m,p-Xylene	10.14	106	1883131	No Calib	
55)	o-Xylene	10.50	106	936117	No Calib	
56)	Styrene	10.43	104	1570032	No Calib	
57)	Bromoform	10.16	173	177648	No Calib	
58)	Isopropylbenzene	10.84	105	1971840	No Calib	
60)	Bromobenzene	11.01	156	546274	No Calib	
61)	1,1,2,2-Tetrachloroethane	10.48	83	428545	No Calib	
62)	1,2,3-Trichloropropane	10.61	75	335361	No Calib	
63)	n-Propylbenzene	11.25	91	2429622	No Calib	
64)	2-Chlorotoluene	11.30	91	1557289	No Calib	
65)	4-Chlorotoluene	11.38	91	1609248	No Calib	
66)	1,3,5-Trimethylbenzene	11.54	105	1748534	No Calib	
67)	tert-Butylbenzene	11.78	119	1370858	No Calib	
68)	1,2,4-Trimethylbenzene	11.89	105	1660978	No Calib	
69)	sec-Butylbenzene	11.98	105	1983807	No Calib	
70)	1,3-Dichlorobenzene	12.00	146	980425	No Calib	
72)	4-Isopropyltoluene	12.17	119	1583942	No Calib	
73)	1,4-Dichlorobenzene	12.07	146	956697	No Calib	
74)	1,2-Dichlorobenzene	12.38	146	923151	No Calib	
75)	n-Butylbenzene	12.54	91	1370760	No Calib	
76)	1,2-Dibromo-3-chloropropan	12.81	75	50717	No Calib	
77)	1,3,5-Trichlorobenzene	13.61	180	645413	No Calib	
78)	1,2,4-Trichlorobenzene	14.09	180	551252	No Calib	
79)	Hexachlorobutadiene	14.41	225	265918	No Calib	
80)	Naphthalene	14.31	128	1085967	No Calib	
81)	1,2,3-Trichlorobenzene	14.50	180	495075	No Calib	

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

Quantitation Report (QT Reviewed)

Data File : G:\MAR2005\HPV1\0307\V1307050.D Vial: 7
Acq On : 7 Mar 2005 6:42 pm Operator: KL
Sample : 50 ppb voc Ical 5C07017 Inst : HP #1
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 8 8:16 2005 Quant Results File: V1030805.RES

Method : F:\USERS\CHRISTOP\HP METHODS\HP 1\V1030805.M (RTE Integrator)
Title : Volatile Organics-GC/MS
Last Update : Tue Mar 08 08:33:35 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : G:\MAR2005\HPV1\0307\V1307100.D Vial: 9
Acq On : 7 Mar 2005 7:29 pm Operator: KL
Sample : 100 ppb voc Ical 5C07018 Inst : HP #1
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 08 08:15:59 2005 Quant Results File: V1030805.RES

Quant Method : F:\USERS\C...\V1030805.M (RTE Integrator)
Title : Volatile Organics-GC/MS
Last Update : Tue Mar 08 08:14:31 2005
Response via : Initial Calibration
DataAcq Meth : V1030105

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.56	96	2006468	50.00	ug/L	0.00
50) Chlorobenzene-d5	9.70	82	861609	50.00	ug/L	0.00
71) 1,4-Dichlorobenzene-d4	12.05	152	685080	50.00	ug/L	0.00
System Monitoring Compounds						
25) Dibromofluoromethane	5.19	111	447014	0.00	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
27) 1,2-Dichloroethane-d4	5.69	65	420221	0.00	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
40) Toluene-d8	8.38	98	1969842	0.00	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
59) 4-Bromofluorobenzene	10.84	95	739715	0.00	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane (F	1.40	85	816037	No Calib		
3) Chloromethane	1.51	50	1108621	No Calib		
4) Vinyl chloride	1.61	62	237839	No Calib		
5) Bromomethane	1.87	94	515343	No Calib		
6) Chloroethane	1.97	64	578522	No Calib		
7) Trichlorofluoromethane (Fr	2.39	101	1179971	No Calib		
8) Acetone	2.50	58	132281	No Calib		
9) Ethyl ether	2.62	74	490744	No Calib	#	
10) 1,1-Dichloroethene	2.84	96	828746	No Calib		
11) Tert-Butanol / butyl alcoh	2.93	59	463405	No Calib	#	
12) Acrylonitrile	2.93	53	274846	No Calib	#	
13) Methylene chloride	3.00	84	989166	No Calib		
14) Carbon disulfide	3.14	76	2875523	No Calib		
15) Methyl tert-butyl ether	3.93	73	2139363	No Calib	#	
16) trans-1,2-Dichloroethene	3.74	96	969754	No Calib		
17) 2-Butanone (MEK)	4.67	43	479217	No Calib	#	
18) Di-isopropyl ether	4.76	45	3228942	No Calib	#	
19) Ethyl tert-butyl ether	5.23	59	2705893	No Calib	#	
20) 1,1-Dichloroethane	4.05	63	1637726	No Calib		
21) 2,2-Dichloropropane	5.12	77	1217410	No Calib		
22) cis-1,2-Dichloroethene	4.79	96	1021401	No Calib		
23) Bromochloromethane	4.96	128	454511	No Calib		
24) Chloroform	5.05	83	1519627	No Calib		
26) Tetrahydrofuran	5.41	42	192839	No Calib	#	
28) 1,1,1-Trichloroethane	5.87	97	1237606	No Calib		
29) Carbon tetrachloride	6.25	117	933522	No Calib		
30) Tert-amyl methyl ether	6.56	55	563799	No Calib	#	
31) 1,1-Dichloropropene	6.09	75	1236392	No Calib		
32) Benzene	6.31	78	3991063	No Calib		
33) 1,2-Dichloroethane	5.78	62	1046718	No Calib		
34) Trichloroethene	6.99	95	940169	No Calib		
35) 1,2-Dichloropropane	6.94	63	971894	No Calib		
36) Dibromomethane	6.87	93	464864	No Calib		
37) Bromodichloromethane	7.03	83	1050953	No Calib		
38) 1,4-Dioxane	7.19	88	83907	No Calib	#	
39) 4-Methyl-2-pentanone (MIBK	7.87	43	695750	No Calib	#	
41) 2-Hexanone (MBK)	8.71	43	664764	No Calib		
42) cis-1,3-Dichloropropene	7.71	75	1517912	No Calib		
43) Toluene	8.45	92	2683232	No Calib		

(#) = qualifier out of range (m) = manual integration

Data File : G:\MAR2005\HPV1\0307\V1307100.D Vial: 9
Acq On : 7 Mar 2005 7:29 pm Operator: KL
Sample : 100 ppb voc Ical 5C07018 Inst : HP #1
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 08 08:15:59 2005 Quant Results File: V1030805.RES

Quant Method : F:\USERS\C...\V1030805.M (RTE Integrator)
Title : Volatile Organics-GC/MS
Last Update : Tue Mar 08 08:14:31 2005
Response via : Initial Calibration
DataAcq Meth : V1030105

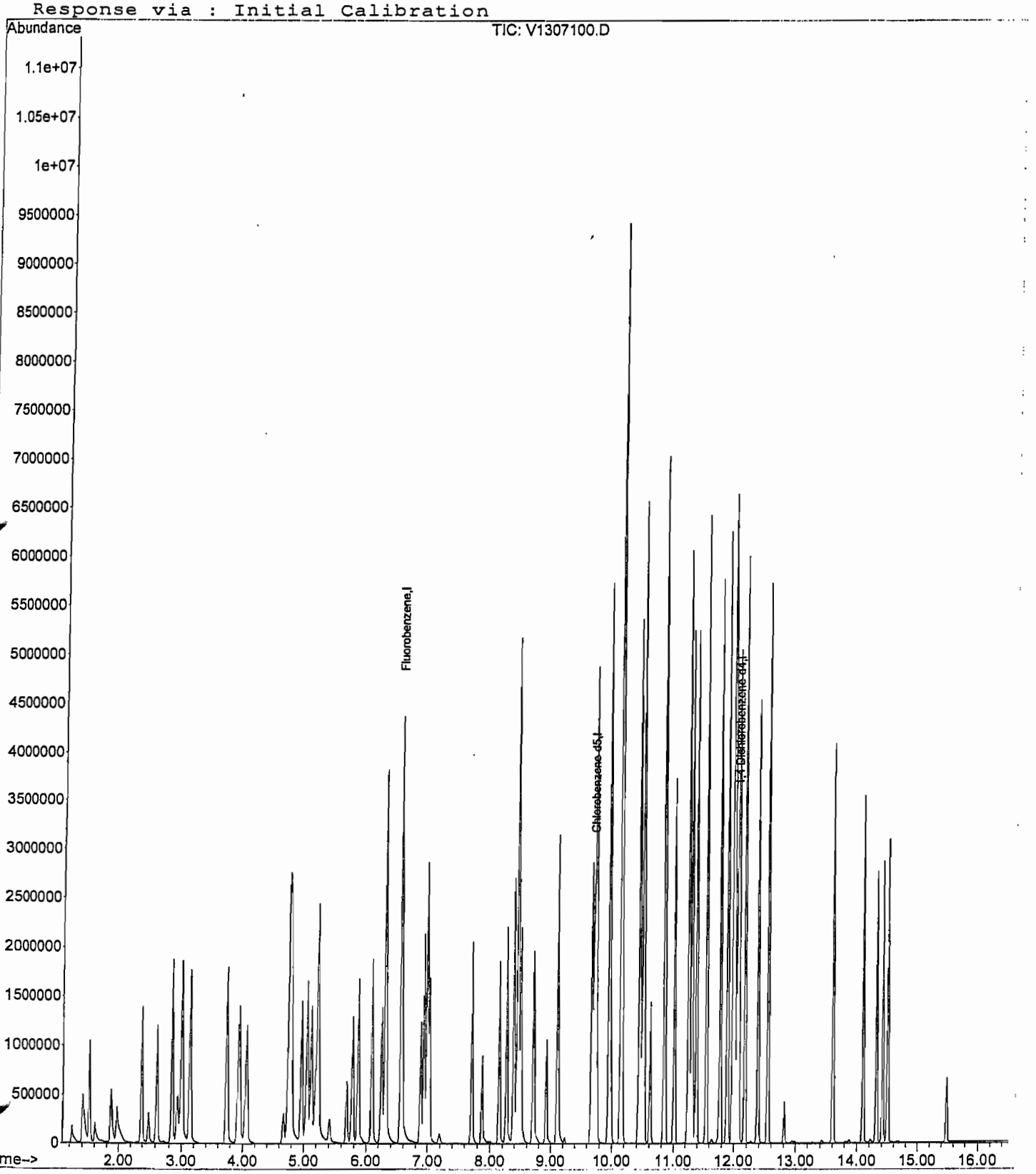
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
44)	trans-1,3-Dichloropropene	8.14	75	1272967	No Calib	
45)	1,1,2-Trichloroethane	8.26	83	614999	No Calib	
46)	Tetrachloroethene	9.11	164	809019	No Calib	
47)	1,3-Dichloropropane	8.50	76	1336331	No Calib	
48)	Dibromochloromethane	8.70	129	734821	No Calib	
49)	1,2-Dibromoethane (EDB)	8.92	107	761143	No Calib	
51)	Chlorobenzene	9.73	112	2896290	No Calib	
52)	1,1,1,2-Tetrachloroethane	9.67	131	840061	No Calib	
53)	Ethylbenzene	9.95	91	5015759	No Calib	
54)	m,p-Xylene	10.14	106	3654405	No Calib	
55)	o-Xylene	10.50	106	1862195	No Calib	
56)	Styrene	10.43	104	3233243	No Calib	
57)	Bromoform	10.16	173	380148	No Calib	
58)	Isopropylbenzene	10.84	105	4109980	No Calib	
60)	Bromobenzene	11.01	156	1122570	No Calib	
61)	1,1,2,2-Tetrachloroethane	10.48	83	824460	No Calib	
62)	1,2,3-Trichloropropane	10.61	75	670467	No Calib	
63)	n-Propylbenzene	11.25	91	5323858	No Calib	
64)	2-Chlorotoluene	11.30	91	3248454	No Calib	
65)	4-Chlorotoluene	11.38	91	3436861	No Calib	
66)	1,3,5-Trimethylbenzene	11.54	105	3763096	No Calib	
67)	tert-Butylbenzene	11.78	119	2965165	No Calib	
68)	1,2,4-Trimethylbenzene	11.89	105	3654100	No Calib	
69)	sec-Butylbenzene	11.98	105	4407969	No Calib	
70)	1,3-Dichlorobenzene	12.00	146	2051577	No Calib	
72)	4-Isopropyltoluene	12.17	119	3619732	No Calib	
73)	1,4-Dichlorobenzene	12.07	146	2054513	No Calib	
74)	1,2-Dichlorobenzene	12.38	146	1959029	No Calib	
75)	n-Butylbenzene	12.54	91	3177949	No Calib	
76)	1,2-Dibromo-3-chloropropan	12.81	75	115664	No Calib	
77)	1,3,5-Trichlorobenzene	13.61	180	1358063	No Calib	
78)	1,2,4-Trichlorobenzene	14.10	180	1174005	No Calib	
79)	Hexachlorobutadiene	14.41	225	589989	No Calib	
80)	Naphthalene	14.31	128	2224098	No Calib	
81)	1,2,3-Trichlorobenzene	14.50	180	1046613	No Calib	

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

Quantitation Report (QT Reviewed)

Data File : G:\MAR2005\HPV1\0307\V1307100.D Vial: 9
Acq On : 7 Mar 2005 7:29 pm Operator: KL
Sample : 100 ppb voc Ical 5C07018 Inst : HP #1
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 8 8:17 2005 Quant Results File: V1030805.RES

Method : F:\USERS\CHRISTOP\HP METHODS\HP 1\V1030805.M (RTE Integrator)
Title : Volatile Organics-GC/MS
Last Update : Tue Mar 08 08:33:35 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : G:\MAR2005\HPV1\0307\V1307200.D Vial: 11
Acq On : 7 Mar 2005 8:17 pm Operator: KL
Sample : 200 ppb voc Ical 5C07019 Inst : HP #1
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 08 08:16:06 2005 Quant Results File: V1030805.RES

Quant Method : F:\USERS\C...\V1030805.M (RTE Integrator)
Title : Volatile Organics-GC/MS
Last Update : Tue Mar 08 08:14:31 2005
Response via : Initial Calibration
DataAcq Meth : V1030105

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.56	96	2030321	50.00	ug/L	0.00
50) Chlorobenzene-d5	9.70	82	953806	50.00	ug/L	0.00
71) 1,4-Dichlorobenzene-d4	12.05	152	768800	50.00	ug/L	0.00
System Monitoring Compounds						
25) Dibromofluoromethane	5.19	111	469342	0.00	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
27) 1,2-Dichloroethane-d4	5.69	65	442120	0.00	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
40) Toluene-d8	8.38	98	2096200	0.00	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
59) 4-Bromofluorobenzene	10.85	95	764184	0.00	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	0.00%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane (F	1.41	85	1504678	No Calib		
3) Chloromethane	1.51	50	2208097	No Calib		
4) Vinyl chloride	1.61	62	470557	No Calib		
5) Bromomethane	1.87	94	1048013	No Calib		
6) Chloroethane	1.97	64	1171339	No Calib		
7) Trichlorofluoromethane (Fr	2.38	101	2203653	No Calib		
8) Acetone	2.51	58	138814	No Calib		
9) Ethyl ether	2.62	74	972245	No Calib	#	
10) 1,1-Dichloroethene	2.84	96	1570203	No Calib		
11) Tert-Butanol / butyl alcoh	2.94	59	294797	No Calib	#	
12) Acrylonitrile	2.93	53	561357	No Calib	#	
13) Methylene chloride	3.00	84	1956281	No Calib		
14) Carbon disulfide	3.14	76	5578774	No Calib		
15) Methyl tert-butyl ether	3.94	73	4388759	No Calib	#	
16) trans-1,2-Dichloroethene	3.73	96	1878477	No Calib		
17) 2-Butanone (MEK)	4.68	43	642863	No Calib		
18) Di-isopropyl ether	4.76	45	6792451	No Calib	#	
19) Ethyl tert-butyl ether	5.23	59	5696835	No Calib	#	
20) 1,1-Dichloroethane	4.06	63	3251284	No Calib		
21) 2,2-Dichloropropane	5.12	77	2346815	No Calib		
22) cis-1,2-Dichloroethene	4.79	96	1966728	No Calib		
23) Bromochloromethane	4.96	128	913637	No Calib		
24) Chloroform	5.05	83	3005439	No Calib		
26) Tetrahydrofuran	5.41	42	396180	No Calib	#	
28) 1,1,1-Trichloroethane	5.87	97	2443038	No Calib		
29) Carbon tetrachloride	6.25	117	1887048	No Calib		
30) Tert-amyl methyl ether	6.57	55	1152967	No Calib	#	
31) 1,1-Dichloropropene	6.09	75	2368342	No Calib		
32) Benzene	6.31	78	7785306	No Calib		
33) 1,2-Dichloroethane	5.77	62	2122997	No Calib		
34) Trichloroethene	6.99	95	1801476	No Calib		
35) 1,2-Dichloropropane	6.94	63	1936802	No Calib		
36) Dibromomethane	6.88	93	930452	No Calib		
37) Bromodichloromethane	7.03	83	2207022	No Calib		
38) 1,4-Dioxane	7.20	88	169901	No Calib	#	
39) 4-Methyl-2-pentanone (MIBK	7.87	43	1438811	No Calib	#	
41) 2-Hexanone (MBK)	8.72	43	953960	No Calib		
42) cis-1,3-Dichloropropene	7.71	75	3058398	No Calib		
43) Toluene	8.45	92	5093302	No Calib		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : G:\MAR2005\HPV1\0307\V1307200.D Vial: 11
Acq On : 7 Mar 2005 8:17 pm Operator: KL
Sample : 200 ppb voc Ical 5C07019 Inst : HP #1
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 08 08:16:06 2005 Quant Results File: V1030805.RES

Quant Method : F:\USERS\C...\V1030805.M (RTE Integrator)
Title : Volatile Organics-GC/MS
Last Update : Tue Mar 08 08:14:31 2005
Response via : Initial Calibration
DataAcq Meth : V1030105

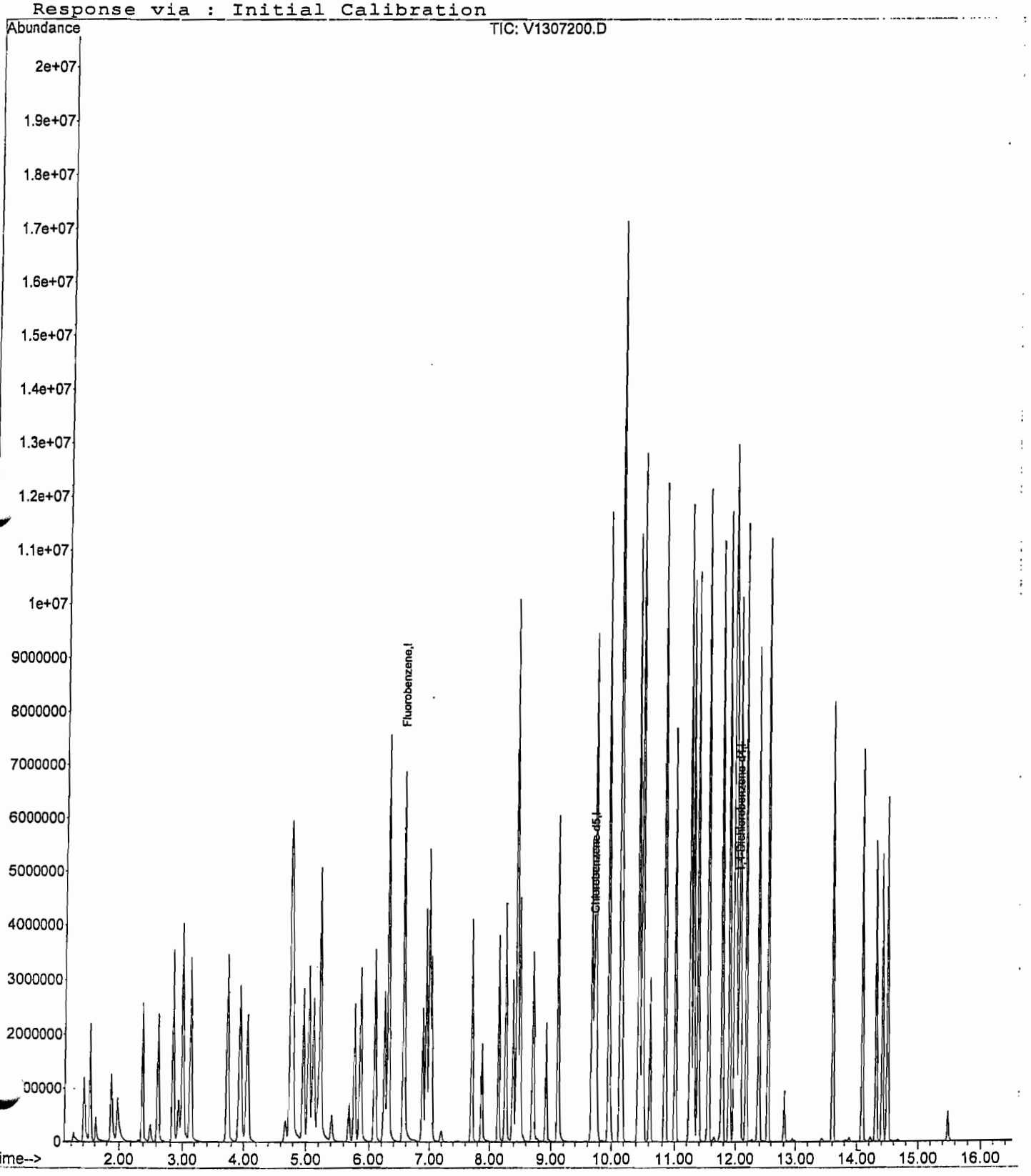
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
44)	trans-1,3-Dichloropropene	8.15	75	2603870	No Calib	
45)	1,1,2-Trichloroethane	8.27	83	1233103	No Calib	
46)	Tetrachloroethene	9.11	164	1518429	No Calib	
47)	1,3-Dichloropropane	8.50	76	2704036	No Calib	
48)	Dibromochloromethane	8.70	129	1583068	No Calib	
49)	1,2-Dibromoethane (EDB)	8.92	107	1543523	No Calib	
51)	Chlorobenzene	9.73	112	5580124	No Calib	
52)	1,1,1,2-Tetrachloroethane	9.67	131	1764897	No Calib	
53)	Ethylbenzene	9.95	91	9701509	No Calib	
54)	m,p-Xylene	10.14	106	6449446	No Calib	
55)	o-Xylene	10.50	106	3540731	No Calib	
56)	Styrene	10.43	104	6533325	No Calib	
57)	Bromoform	10.16	173	796133	No Calib	
58)	Isopropylbenzene	10.84	105	8174645	No Calib	
60)	Bromobenzene	11.01	156	2241783	No Calib	
61)	1,1,2,2-Tetrachloroethane	10.49	83	1570833	No Calib	
62)	1,2,3-Trichloropropane	10.61	75	1378831	No Calib	
63)	n-Propylbenzene	11.25	91	10563841	No Calib	
64)	2-Chlorotoluene	11.30	91	6580632	No Calib	
65)	4-Chlorotoluene	11.38	91	6993168	No Calib	
66)	1,3,5-Trimethylbenzene	11.55	105	7408619	No Calib	
67)	tert-Butylbenzene	11.77	119	5780813	No Calib	
68)	1,2,4-Trimethylbenzene	11.90	105	7300400	No Calib	
69)	sec-Butylbenzene	11.98	105	8412458	No Calib	
70)	1,3-Dichlorobenzene	12.01	146	3993344	No Calib	
72)	4-Isopropyltoluene	12.17	119	7175366	No Calib	
73)	1,4-Dichlorobenzene	12.07	146	4154031	No Calib	
74)	1,2-Dichlorobenzene	12.38	146	3970271	No Calib	
75)	n-Butylbenzene	12.55	91	6491928	No Calib	
76)	1,2-Dibromo-3-chloropropan	12.81	75	258371	No Calib	
77)	1,3,5-Trichlorobenzene	13.61	180	2745924	No Calib	
78)	1,2,4-Trichlorobenzene	14.10	180	2417990	No Calib	
79)	Hexachlorobutadiene	14.42	225	1147902	No Calib	
80)	Naphthalene	14.31	128	4598994	No Calib	
81)	1,2,3-Trichlorobenzene	14.50	180	2152583	No Calib	

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

Quantitation Report (QT Reviewed)

Data File : G:\MAR2005\HPV1\0307\V1307200.D Vial: 11
Acq On : 7 Mar 2005 8:17 pm Operator: KL
Sample : 200 ppb voc Ical 5C07019 Inst : HP #1
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 8 8:22 2005 Quant Results File: V1030805.RES

Method : F:\USERS\CHRISTOP\HP METHODS\HP 1\V1030805.M (RTE Integrator)
Title : Volatile Organics-GC/MS
Last Update : Tue Mar 08 08:33:35 2005
Response via : Initial Calibration



ACCREDITED IN ACCORDANCE WITH nelac
Y Lab #11393/11840

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

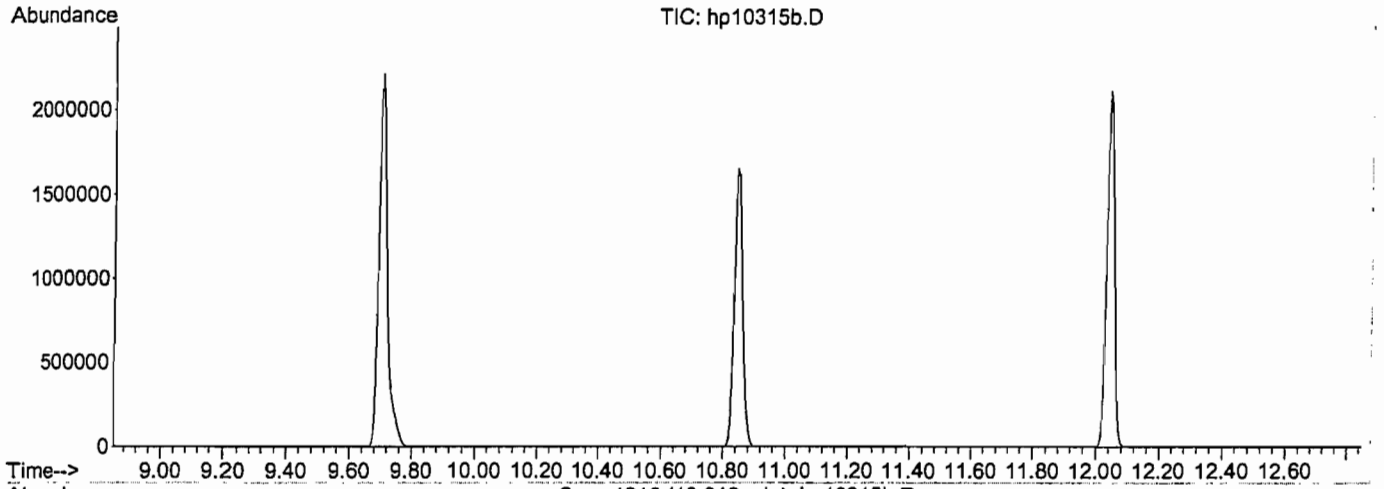
Analytical Data Summary

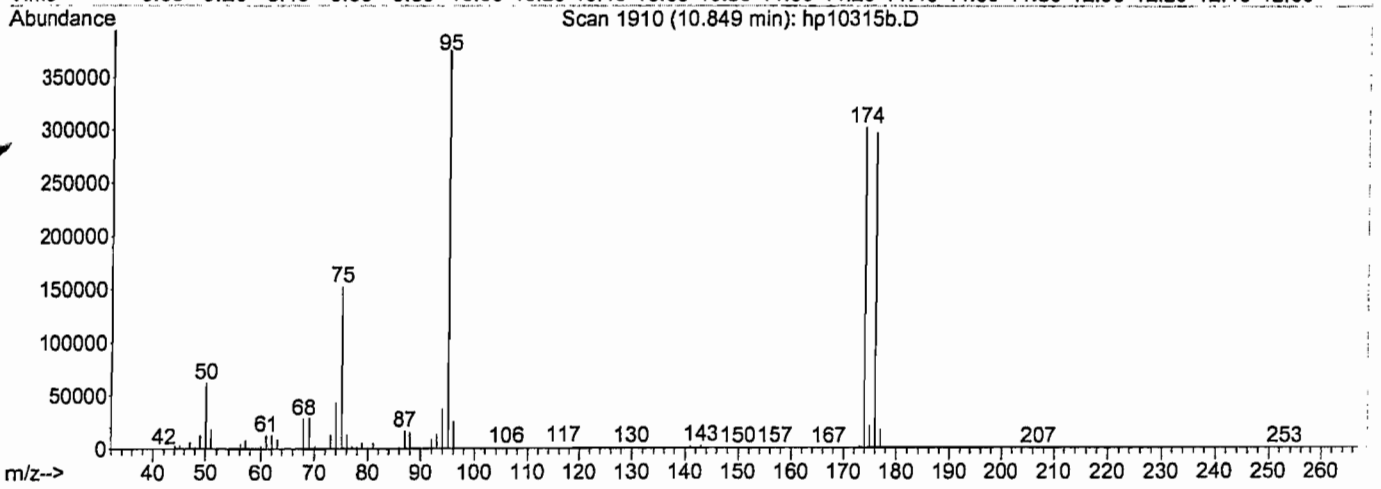
Raw Quality Control [QC] Data

Data Path : G:\Mar2005\HPV1\0315\
Data File : hp10315b.D
Acq On : 15 Mar 2005 8:58 am
Operator : RLJ
Sample : 5030923-blk1 @ system blank/bfb tune
Misc : 1
ALS Vial : 2 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\MSDCHEM\1\METHODS\V1030805.M
Title : Volatile Organics-GC/MS
Last Update : Tue Mar 08 08:39:10 2005





Spectrum Information: Scan 1910

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.5	61880	PASS
75	95	30	60	40.6	152640	PASS
95	95	100	100	100.0	375552	PASS
96	95	5	9	6.7	25328	PASS
173	174	0.00	2	0.6	1763	PASS
174	95	50	100	80.6	302592	PASS
175	174	5	9	6.9	20808	PASS
176	174	95	101	98.3	297408	PASS
177	176	5	9	5.8	17360	PASS

Quantitation Report (QT Reviewed)

Data Path : G:\Mar2005\HPV1\0315\
Data File : hp10315b.D
Acq On : 15 Mar 2005 8:58 am
Operator : RLJ
Sample : 5030923-blk1 @ system blank/bfb tune
[illegible] c : 1
[illegible] Vial : 2 Sample Multiplier: 1

Quant Time: Mar 15 09:16:37 2005
Quant Method : C:\MSDCHEM\1\METHODS\V1030805.M
Quant Title : Volatile Organics-GC/MS
QLast Update : Tue Mar 08 08:39:10 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.56	96	2081577	50.00	ug/L	0.00
50) Chlorobenzene-d5	9.70	82	817613	50.00	ug/L	0.00
71) 1,4-Dichlorobenzene-d4	12.04	152	596965	50.00	ug/L	0.00
System Monitoring Compounds						
25) Dibromofluoromethane	5.18	111	453885	49.98	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.96%			
27) 1,2-Dichloroethane-d4	5.69	65	423266	49.11	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.22%			
40) Toluene-d8	8.38	98	1968349	48.70	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 97.40%			
59) 4-Bromofluorobenzene	10.84	95	693754	50.52	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.04%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane (F	1.41	85	226	N.D.		
3) Chloromethane	1.51	50	1612	N.D.		
4) Vinyl chloride	1.64	62	41	N.D.		
5) Bromomethane	1.87	94	1215	N.D.		
6) Chloroethane	1.99	64	264	N.D.		
7) Trichlorofluoromethane (Fr	2.38	101	312	N.D.		
8) Acetone	2.51	58	2176	2.96	ug/L	96
9) Ethyl ether	2.61	74	34	N.D.		
10) 1,1-Dichloroethene	2.84	96	76	N.D.		
11) Tert-Butanol / butyl alcoh	2.93	59	156	N.D.		
12) Acrylonitrile	2.94	53	43	N.D.		
13) Methylene chloride	2.99	84	2300	N.D.		
14) Carbon disulfide	3.13	76	531	N.D.		
15) Methyl tert-butyl ether	3.98	73	955	N.D.		
16) trans-1,2-Dichloroethene	3.73	96	66	N.D.		
17) 2-Butanone (MEK)	4.65	43	480	N.D.		
18) Di-isopropyl ether	4.76	45	198	N.D.		
19) Ethyl tert-butyl ether	5.22	59	106	N.D.		
20) 1,1-Dichloroethane	4.05	63	655	N.D.		
21) 2,2-Dichloropropane	5.11	77	91	N.D.		
22) cis-1,2-Dichloroethene	4.78	96	151	N.D.		
23) Bromochloromethane	4.92	128	19	N.D.		
24) Chloroform	5.04	83	5255	N.D.		
26) Tetrahydrofuran	5.42	42	876	N.D.		
28) 1,1,1-Trichloroethane	5.86	97	35	N.D.		
29) Carbon tetrachloride	6.25	117	41	N.D.		
30) Tert-amyl methyl ether	6.57	55	1905	N.D.		
31) 1,1-Dichloropropene	6.09	75	136	N.D.		
32) Benzene	6.31	78	750	N.D.		
33) 1,2-Dichloroethane	5.78	62	17	N.D.		
34) Trichloroethene	6.99	95	114	N.D.		
35) 1,2-Dichloropropane	6.92	63	23	N.D.		
36) Dibromomethane	6.87	93	19	N.D.		
37) Bromodichloromethane	7.02	83	52	N.D.		
38) 1,4-Dioxane	7.20	88	226	2.55	ug/L #	91
39) 4-Methyl-2-pentanone (MIBK	7.86	43	292	N.D.		

Quantitation Report (QT Reviewed)

Data Path : G:\Mar2005\HPV1\0315\
Data File : hp10315b.D
Acq On : 15 Mar 2005 8:58 am
Operator : RLJ
Sample : 5030923-blk1 @ system blank/bfb tune
Misc : 1
Vial : 2 Sample Multiplier: 1

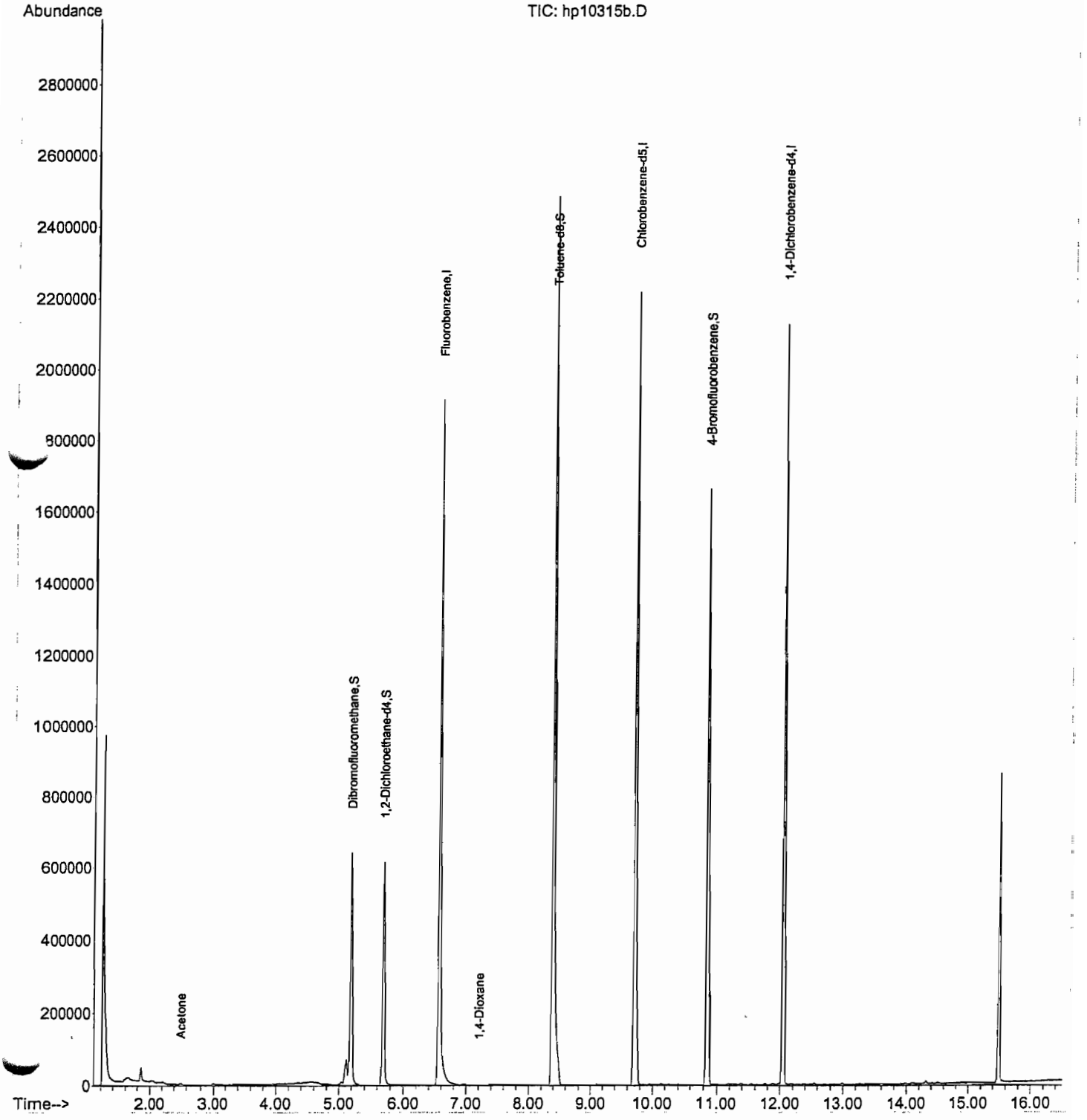
Quant Time: Mar 15 09:16:37 2005
Quant Method : C:\MSDCHEM\1\METHODS\V1030805.M
Quant Title : Volatile Organics-GC/MS
QLast Update : Tue Mar 08 08:39:10 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units Dev(Min)
41) 2-Hexanone (MBK)	8.70	43	472	N.D.
42) cis-1,3-Dichloropropene	7.70	75	63	N.D.
43) Toluene	8.43	92	860	N.D.
44) trans-1,3-Dichloropropene	8.14	75	54	N.D.
45) 1,1,2-Trichloroethane	8.26	83	41	N.D.
46) Tetrachloroethene	9.11	164	432	N.D.
47) 1,3-Dichloropropane	0.00	76	0	N.D.
48) Dibromochloromethane	8.71	129	20	N.D.
49) 1,2-Dibromoethane (EDB)	8.92	107	37	N.D.
51) Chlorobenzene	9.73	112	755	N.D.
52) 1,1,1,2-Tetrachloroethane	9.74	131	19	N.D.
53) Ethylbenzene	9.95	91	1567	N.D.
54) m,p-Xylene	10.14	106	1112	N.D.
55) o-Xylene	10.49	106	322	N.D.
56) Styrene	10.51	104	38	N.D.
57) Bromoform	10.16	173	58	N.D.
58) Isopropylbenzene	10.84	105	1672	N.D.
60) Bromobenzene	11.01	156	123	N.D.
61) 1,1,2,2-Tetrachloroethane	10.48	83	23	N.D.
62) 1,2,3-Trichloropropane	10.61	75	43	N.D.
63) n-Propylbenzene	11.25	91	1939	N.D.
64) 2-Chlorotoluene	11.30	91	1149	N.D.
65) 4-Chlorotoluene	11.38	91	1292	N.D.
66) 1,3,5-Trimethylbenzene	11.54	105	1359	N.D.
67) tert-Butylbenzene	11.77	119	668	N.D.
68) 1,2,4-Trimethylbenzene	11.89	105	2055	N.D.
69) sec-Butylbenzene	11.98	105	1641	N.D.
70) 1,3-Dichlorobenzene	11.99	146	872	N.D.
72) 4-Isopropyltoluene	12.17	119	1523	N.D.
73) 1,4-Dichlorobenzene	12.07	146	842	N.D.
74) 1,2-Dichlorobenzene	12.38	146	518	N.D.
75) n-Butylbenzene	12.54	91	2141	N.D.
76) 1,2-Dibromo-3-chloropropan	12.79	75	41	N.D.
77) 1,3,5-Trichlorobenzene	13.61	180	1016	N.D.
78) 1,2,4-Trichlorobenzene	14.10	180	957	N.D.
79) Hexachlorobutadiene	14.41	225	468	N.D.
80) Naphthalene	14.32	128	5716	N.D.
81) 1,2,3-Trichlorobenzene	14.50	180	739	N.D.

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

Data Path : G:\Mar2005\HPV1\0315\
Data File : hp10315b.D
Acq On : 15 Mar 2005 8:58 am
Operator : RLJ
Sample : 5030923-blk1 @ system blank/bfb tune
Misc : 1
Vial : 2 Sample Multiplier: 1

Quant Time: Mar 15 09:16:37 2005
Quant Method : C:\MSDCHEM\1\METHODS\V1030805.M
Quant Title : Volatile Organics-GC/MS
QLast Update : Tue Mar 08 08:39:10 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : G:\Mar2005\HPV1\0315\
Data File : ccc0315a.D
Acq On : 15 Mar 2005 9:22 am
Operator : RLJ
Sample : 5030923-ccv1 @ 50ppb voc ccc 5c07003
M[illegible] : 1
A[illegible]Vial : 3 Sample Multiplier: 1

Quant Time: Mar 15 09:40:19 2005
Quant Method : C:\MSDCHEM\1\METHODS\V1030805.M
Quant Title : Volatile Organics-GC/MS
QLast Update : Tue Mar 08 08:39:10 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	6.56	96	2015537	50.00	ug/L		0.00
50) Chlorobenzene-d5	9.70	82	832793	50.00	ug/L		0.00
71) 1,4-Dichlorobenzene-d4	12.05	152	658184	50.00	ug/L		0.00
System Monitoring Compounds							
25) Dibromofluoromethane	5.18	111	449414	51.10	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.20%				
27) 1,2-Dichloroethane-d4	5.69	65	418951	50.20	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.40%				
40) Toluene-d8	8.38	98	1965232	50.22	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.44%				
59) 4-Bromofluorobenzene	10.84	95	725543	51.88	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.76%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane (F	1.40	85	353569	43.56	ug/L		99
3) Chloromethane	1.51	50	534263	47.70	ug/L		100
4) Vinyl chloride	1.61	62	113380	44.92	ug/L		97
5) Bromomethane	1.86	94	199559	37.05	ug/L		100
[illegible]) Chloroethane	1.96	64	277940	47.19	ug/L		98
7) Trichlorofluoromethane (Fr	2.38	101	567157	48.84	ug/L		99
8) Acetone	2.50	58	36088	50.76	ug/L		94
9) Ethyl ether	2.62	74	249120	48.66	ug/L		97
10) 1,1-Dichloroethene	2.84	96	402651	48.40	ug/L		96
11) Tert-Butanol / butyl alcoh	2.94	59	267596	605.10	ug/L	#	81
12) Acrylonitrile	2.93	53	142841	51.53	ug/L		99
13) Methylene chloride	3.00	84	481990	45.68	ug/L		97
14) Carbon disulfide	3.14	76	1368674	49.86	ug/L		100
15) Methyl tert-butyl ether	3.93	73	1057140	48.34	ug/L		100
16) trans-1,2-Dichloroethene	3.73	96	474493	50.08	ug/L		99
17) 2-Butanone (MEK)	4.67	43	160337	49.57	ug/L		99
18) Di-isopropyl ether	4.75	45	1562511	50.92	ug/L		98
19) Ethyl tert-butyl ether	5.22	59	1313358	49.53	ug/L		100
20) 1,1-Dichloroethane	4.05	63	788250	49.17	ug/L		99
21) 2,2-Dichloropropane	5.12	77	569543	49.36	ug/L		100
22) cis-1,2-Dichloroethene	4.78	96	506855	50.90	ug/L		97
23) Bromochloromethane	4.96	128	227464	50.32	ug/L		99
24) Chloroform	5.04	83	747180	48.32	ug/L		99
26) Tetrahydrofuran	5.41	42	102017	53.57	ug/L		98
28) 1,1,1-Trichloroethane	5.87	97	616354	52.74	ug/L		97
29) Carbon tetrachloride	6.25	117	488277	60.34	ug/L		98
30) Tert-amyl methyl ether	6.56	55	285502	50.11	ug/L		94
31) 1,1-Dichloropropene	6.09	75	599697	49.12	ug/L		98
32) Benzene	6.30	78	1949436	49.38	ug/L		100
33) 1,2-Dichloroethane	5.77	62	516634	49.16	ug/L		99
34) Trichloroethene	6.99	95	469482	48.51	ug/L		97
35) 1,2-Dichloropropane	6.93	63	470194	49.26	ug/L		99
[illegible]6) Dibromomethane	6.87	93	237729	50.15	ug/L		98
[illegible]7) Bromodichloromethane	7.03	83	537699	54.34	ug/L		100
38) 1,4-Dioxane	7.19	88	43551	507.08	ug/L	#	100
39) 4-Methyl-2-pentanone (MIBK	7.87	43	324777	46.35	ug/L		99

Data Path : G:\Mar2005\HPV1\0315\
Data File : ccc0315a.D
Acq On : 15 Mar 2005 9:22 am
Operator : RLJ
Sample : 5030923-ccv1 @ 50ppb voc ccc 5c07003
Misc : 1
Vial : 3 Sample Multiplier: 1

Quant Time: Mar 15 09:40:19 2005
Quant Method : C:\MSDCHEM\1\METHODS\V1030805.M
Quant Title : Volatile Organics-GC/MS
QLast Update : Tue Mar 08 08:39:10 2005
Response via : Initial Calibration

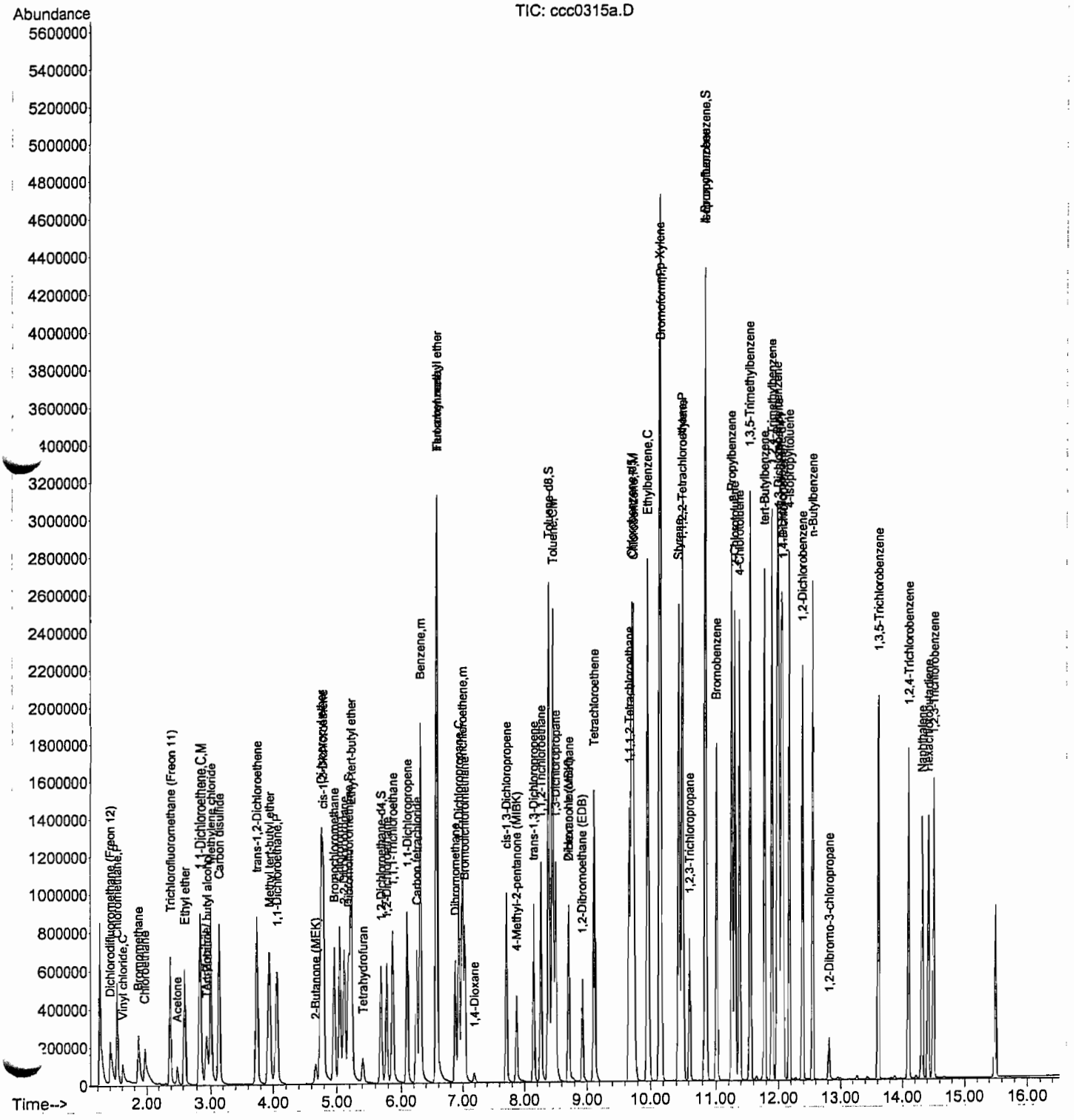
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 2-Hexanone (MBK)	8.71	43	208968	40.32 ug/L	98
42) cis-1,3-Dichloropropene	7.70	75	732653	51.59 ug/L	98
43) Toluene	8.45	92	1322746	50.36 ug/L	99
44) trans-1,3-Dichloropropene	8.14	75	622715	52.58 ug/L	99
45) 1,1,2-Trichloroethane	8.26	83	308494	49.26 ug/L	98
46) Tetrachloroethene	9.11	164	401871	48.13 ug/L	98
47) 1,3-Dichloropropane	8.49	76	667994	48.89 ug/L	98
48) Dibromochloromethane	8.70	129	390786	60.41 ug/L	99
49) 1,2-Dibromoethane (EDB)	8.92	107	388403	50.80 ug/L	96
51) Chlorobenzene	9.73	112	1423242	49.19 ug/L	99
52) 1,1,1,2-Tetrachloroethane	9.67	131	428757	58.27 ug/L	98
53) Ethylbenzene	9.95	91	2400271	51.33 ug/L	99
54) m,p-Xylene	10.14	106	1831252	103.89 ug/L	98
55) o-Xylene	10.50	106	921061	52.82 ug/L	98
56) Styrene	10.43	104	1547227	55.90 ug/L	97
57) Bromoform	10.16	173	221640	65.93 ug/L	98
58) Isopropylbenzene	10.84	105	1969992	51.91 ug/L	98
60) Bromobenzene	11.01	156	553042	52.05 ug/L	96
61) 1,1,2,2-Tetrachloroethane	10.48	83	415641	50.07 ug/L	99
62) 1,2,3-Trichloropropane	10.61	75	345624	51.09 ug/L	98
63) n-Propylbenzene	11.25	91	2448010	53.31 ug/L	100
64) 2-Chlorotoluene	11.30	91	1543613	52.06 ug/L	100
65) 4-Chlorotoluene	11.38	91	1619343	52.88 ug/L	99
66) 1,3,5-Trimethylbenzene	11.54	105	1809006	54.48 ug/L	100
67) tert-Butylbenzene	11.78	119	1411035	51.96 ug/L	99
68) 1,2,4-Trimethylbenzene	11.89	105	1736170	54.50 ug/L	99
69) sec-Butylbenzene	11.98	105	2036028	51.73 ug/L	99
70) 1,3-Dichlorobenzene	12.00	146	1005721	53.28 ug/L	99
72) 4-Isopropyltoluene	12.17	119	1676140	48.90 ug/L	100
73) 1,4-Dichlorobenzene	12.07	146	992568	47.74 ug/L	99
74) 1,2-Dichlorobenzene	12.38	146	957195	48.80 ug/L	99
75) n-Butylbenzene	12.54	91	1445422	48.17 ug/L	99
76) 1,2-Dibromo-3-chloropropan	12.81	75	57973	51.78 ug/L	94
77) 1,3,5-Trichlorobenzene	13.61	180	666723	46.64 ug/L	99
78) 1,2,4-Trichlorobenzene	14.09	180	577420	49.21 ug/L	98
79) Hexachlorobutadiene	14.41	225	283735	48.73 ug/L	97
80) Naphthalene	14.31	128	1130155	49.77 ug/L	100
81) 1,2,3-Trichlorobenzene	14.50	180	522223	47.90 ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : G:\Mar2005\HPV1\0315\
Data File : ccc0315a.D
Acq On : 15 Mar 2005 9:22 am
Operator : RLJ
Sample : 5030923-ccv1 @ 50ppb voc ccc 5c07003
Misc : 1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 15 09:40:19 2005
Quant Method : C:\MSDCHEM\1\METHODS\V1030805.M
Quant Title : Volatile Organics-GC/MS
QLast Update : Tue Mar 08 08:39:10 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : G:\Mar2005\HPV1\0315\
Data File : lcs0315a.D
Acq On : 15 Mar 2005 9:46 am
Operator : RLJ
Sample : 5030923-bs1 @ 20 ppb voc lcs 5C07004
Misc : 1
Vial : 4 Sample Multiplier: 1

Quant Time: Mar 15 10:04:01 2005
Quant Method : C:\MSDCHEM\1\METHODS\V1030805.M
Quant Title : Volatile Organics-GC/MS
QLast Update : Tue Mar 08 08:39:10 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	6.56	96	2033545	50.00	ug/L		0.00
50) Chlorobenzene-d5	9.70	82	815239	50.00	ug/L		0.00
71) 1,4-Dichlorobenzene-d4	12.04	152	599892	50.00	ug/L		0.00
System Monitoring Compounds							
25) Dibromofluoromethane	5.19	111	451106	50.84	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.68%				
27) 1,2-Dichloroethane-d4	5.69	65	420619	49.96	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.92%				
40) Toluene-d8	8.38	98	1948147	49.34	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.68%				
59) 4-Bromofluorobenzene	10.84	95	704514	51.46	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.92%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane (F	1.40	85	155316	18.97	ug/L		100
3) Chloromethane	1.51	50	226438	20.04	ug/L		100
4) Vinyl chloride	1.61	62	49982	19.63	ug/L		95
5) Bromomethane	1.87	94	93207	17.15	ug/L		98
6) Chloroethane	1.97	64	120754	20.32	ug/L		98
7) Trichlorofluoromethane (Fr	2.39	101	244401	20.86	ug/L		99
8) Acetone	2.50	58	14003	19.52	ug/L		97
9) Ethyl ether	2.62	74	107863	20.88	ug/L		97
10) 1,1-Dichloroethene	2.84	96	170593	20.32	ug/L		99
11) Tert-Butanol / butyl alcoh	2.93	59	107838	241.69	ug/L	#	94
12) Acrylonitrile	2.93	53	57119	20.42	ug/L		99
13) Methylene chloride	3.00	84	204938	19.25	ug/L		98
14) Carbon disulfide	3.14	76	564284	20.37	ug/L		100
15) Methyl tert-butyl ether	3.93	73	436220	19.77	ug/L		99
16) trans-1,2-Dichloroethene	3.74	96	211625	22.14	ug/L		97
17) 2-Butanone (MEK)	4.67	43	61280	18.78	ug/L		99
18) Di-isopropyl ether	4.75	45	661856	21.38	ug/L		100
19) Ethyl tert-butyl ether	5.22	59	543908	20.33	ug/L		99
20) 1,1-Dichloroethane	4.06	63	349987	21.64	ug/L		99
21) 2,2-Dichloropropane	5.12	77	251379	21.59	ug/L		99
22) cis-1,2-Dichloroethene	4.79	96	225231	22.42	ug/L		96
23) Bromochloromethane	4.96	128	101070	22.16	ug/L		90
24) Chloroform	5.05	83	333006	21.34	ug/L		99
26) Tetrahydrofuran	5.41	42	41572	21.64	ug/L		97
28) 1,1,1-Trichloroethane	5.87	97	270347	22.93	ug/L		99
29) Carbon tetrachloride	6.25	117	206507	25.29	ug/L		95
30) Tert-amyl methyl ether	6.56	55	118030	20.53	ug/L		97
31) 1,1-Dichloropropene	6.09	75	262389	21.30	ug/L		99
32) Benzene	6.31	78	861312	21.62	ug/L		99
33) 1,2-Dichloroethane	5.78	62	222499	20.98	ug/L		100
34) Trichloroethene	6.99	95	209008	21.41	ug/L		96
35) 1,2-Dichloropropane	6.93	63	207434	21.54	ug/L		100
36) Dibromomethane	6.87	93	102364	21.40	ug/L		98
37) Bromodichloromethane	7.03	83	237613	23.80	ug/L		99
38) 1,4-Dioxane	7.18	88	16895	194.97	ug/L	#	98
39) 4-Methyl-2-pentanone (MIBK	7.87	43	120668	17.07	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : G:\Mar2005\HPV1\0315\
Data File : lcs0315a.D
Acq On : 15 Mar 2005 9:46 am
Operator : RLJ
Sample : 5030923-bs1 @ 20 ppb voc lcs 5C07004
M[illegible]c : 1
A[illegible] Vial : 4 Sample Multiplier: 1

Quant Time: Mar 15 10:04:01 2005
Quant Method : C:\MSDCHEM\1\METHODS\V1030805.M
Quant Title : Volatile Organics-GC/MS
QLast Update : Tue Mar 08 08:39:10 2005
Response via : Initial Calibration

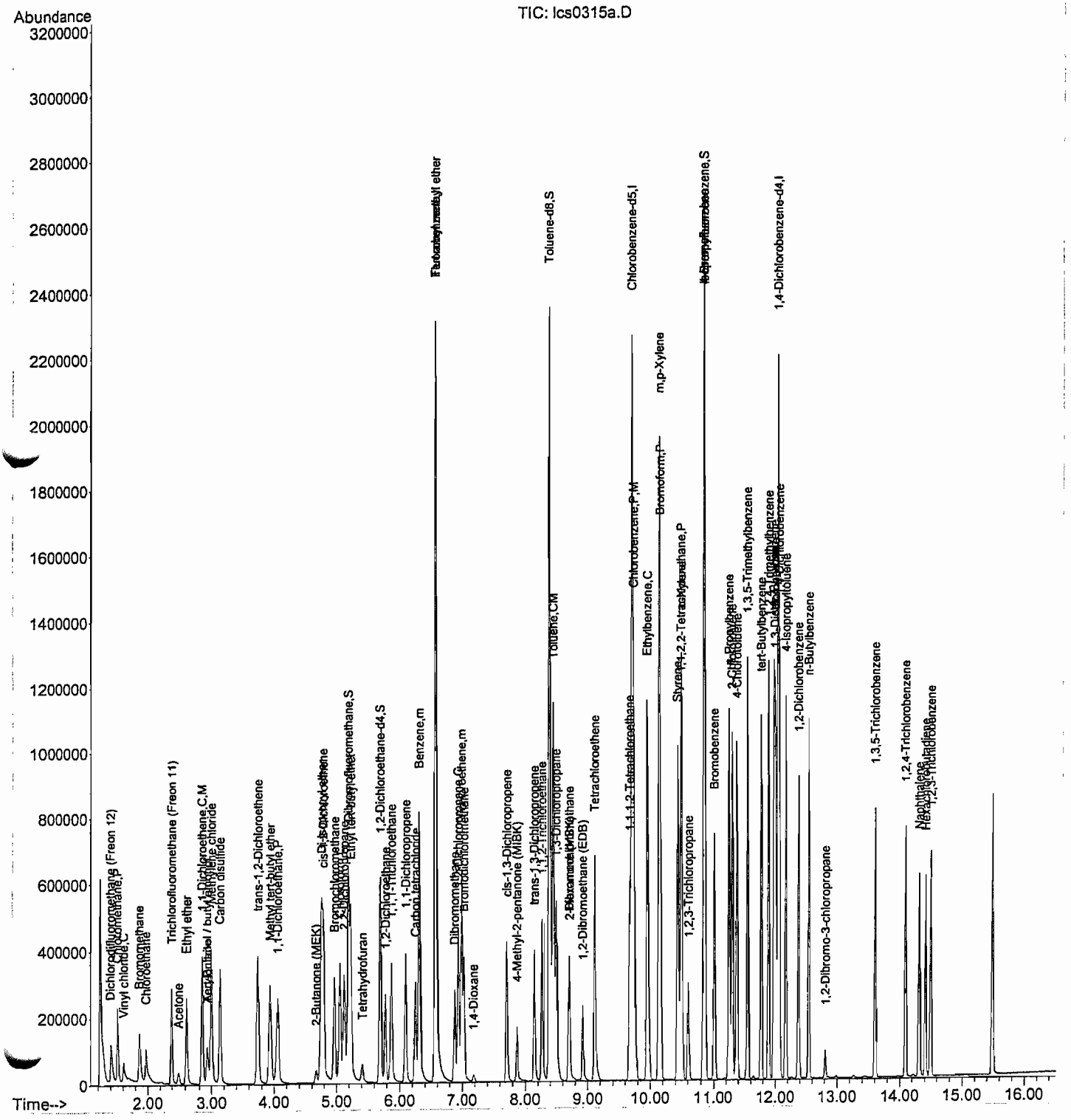
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 2-Hexanone (MBK)	8.71	43	79884	15.28 ug/L	97
42) cis-1,3-Dichloropropene	7.70	75	319408	22.29 ug/L	100
43) Toluene	8.45	92	584314	22.05 ug/L	98
44) trans-1,3-Dichloropropene	8.14	75	264964	22.17 ug/L	98
45) 1,1,2-Trichloroethane	8.26	83	134755	21.33 ug/L	99
46) Tetrachloroethene	9.11	164	178770	21.22 ug/L	98
47) 1,3-Dichloropropane	8.49	76	290090	21.04 ug/L	99
48) Dibromochloromethane	8.70	129	163177	25.00 ug/L	97
49) 1,2-Dibromoethane (EDB)	8.92	107	166697	21.61 ug/L	97
51) Chlorobenzene	9.73	112	637948	22.52 ug/L	98
52) 1,1,1,2-Tetrachloroethane	9.67	131	181129	25.15 ug/L	98
53) Ethylbenzene	9.95	91	1034239	22.59 ug/L	100
54) m,p-Xylene	10.14	106	801847	46.47 ug/L	99
55) o-Xylene	10.50	106	396641	23.24 ug/L	95
56) Styrene	10.43	104	636799	23.50 ug/L	98
57) Bromoform	10.16	173	89595	27.22 ug/L	97
58) Isopropylbenzene	10.84	105	836127	22.51 ug/L	100
60) Bromobenzene	11.01	156	240272	23.10 ug/L	92
61) 1,1,2,2-Tetrachloroethane	10.48	83	175833	21.64 ug/L	99
[illegible]) 1,2,3-Trichloropropane	10.61	75	141604	21.38 ug/L	99
63) n-Propylbenzene	11.25	91	992504	22.08 ug/L	99
64) 2-Chlorotoluene	11.30	91	651373	22.44 ug/L	99
65) 4-Chlorotoluene	11.38	91	669548	22.33 ug/L	98
66) 1,3,5-Trimethylbenzene	11.54	105	737129	22.68 ug/L	100
67) tert-Butylbenzene	11.78	119	585302	22.02 ug/L	99
68) 1,2,4-Trimethylbenzene	11.89	105	720046	23.09 ug/L	99
69) sec-Butylbenzene	11.98	105	844907	21.93 ug/L	100
70) 1,3-Dichlorobenzene	12.00	146	433876	23.48 ug/L	98
72) 4-Isopropyltoluene	12.17	119	691545	22.13 ug/L	100
73) 1,4-Dichlorobenzene	12.07	146	415704	21.94 ug/L	99
74) 1,2-Dichlorobenzene	12.38	146	394840	22.09 ug/L	98
75) n-Butylbenzene	12.54	91	584670	21.38 ug/L	98
76) 1,2-Dibromo-3-chloropropan	12.81	75	22009	21.57 ug/L	89
77) 1,3,5-Trichlorobenzene	13.61	180	263280	20.21 ug/L	99
78) 1,2,4-Trichlorobenzene	14.10	180	243002	22.72 ug/L	95
79) Hexachlorobutadiene	14.41	225	121101	22.82 ug/L	98
80) Naphthalene	14.31	128	493416	23.84 ug/L	100
81) 1,2,3-Trichlorobenzene	14.50	180	222816	22.43 ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : G:\Mar2005\HPV1\0315\
Data File : lcs0315a.D
Acq On : 15 Mar 2005 9:46 am
Operator : RLJ
Sample : 5030923-bs1 @ 20 ppb voc lcs 5C07004
'sc : 1
S Vial : 4 Sample Multiplier: 1

Quant Time: Mar 15 10:04:01 2005
Quant Method : C:\MSDCHEM\1\METHODS\V1030805.M
Quant Title : Volatile Organics-GC/MS
QLast Update : Tue Mar 08 08:39:10 2005
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : G:\Mar2005\HPV1\0315\
Data File : lcs0315b.D
Acq On : 15 Mar 2005 10:14 am
Operator : RLJ
Sample : 5030923-bsd1 @ 20 ppb voc lcs 5C07004
Misc : 1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 15 10:32:47 2005
Quant Method : C:\MSDCHEM\1\METHODS\V1030805.M
Quant Title : Volatile Organics-GC/MS
QLast Update : Tue Mar 08 08:39:10 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	6.57	96	1927388	50.00	ug/L		0.00
50) Chlorobenzene-d5	9.71	82	795867	50.00	ug/L		0.00
71) 1,4-Dichlorobenzene-d4	12.05	152	586832	50.00	ug/L		0.00
System Monitoring Compounds							
25) Dibromofluoromethane	5.19	111	420339	49.98	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.96%				
27) 1,2-Dichloroethane-d4	5.69	65	392936	49.24	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.48%				
40) Toluene-d8	8.38	98	1883503	50.33	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.66%				
59) 4-Bromofluorobenzene	10.85	95	685346	51.27	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.54%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane (F	1.41	85	147673	19.03	ug/L		100
3) Chloromethane	1.52	50	213672	19.95	ug/L		99
4) Vinyl chloride	1.62	62	47543	19.70	ug/L		95
5) Bromomethane	1.88	94	85774	16.65	ug/L		93
6) Chloroethane	1.98	64	110121	19.55	ug/L		96
7) Trichlorofluoromethane (Fr	2.40	101	231914	20.88	ug/L		99
8) Acetone	2.52	58	13610	20.02	ug/L		97
9) Ethyl ether	2.63	74	103186	21.08	ug/L		94
10) 1,1-Dichloroethene	2.85	96	162970	20.49	ug/L		98
11) Tert-Butanol / butyl alcoh	2.94	59	105463	249.39	ug/L	#	76
12) Acrylonitrile	2.94	53	54477	20.55	ug/L		98
13) Methylene chloride	3.01	84	191817	19.01	ug/L		98
14) Carbon disulfide	3.15	76	532067	20.27	ug/L		99
15) Methyl tert-butyl ether	3.94	73	415050	19.85	ug/L		99
16) trans-1,2-Dichloroethene	3.74	96	195292	21.56	ug/L		99
17) 2-Butanone (MEK)	4.68	43	57202	18.49	ug/L		97
18) Di-isopropyl ether	4.76	45	613543	20.91	ug/L		98
19) Ethyl tert-butyl ether	5.23	59	514053	20.27	ug/L		99
20) 1,1-Dichloroethane	4.06	63	327682	21.38	ug/L		99
21) 2,2-Dichloropropane	5.12	77	237757	21.55	ug/L		99
22) cis-1,2-Dichloroethene	4.79	96	209221	21.97	ug/L		95
23) Bromochloromethane	4.97	128	95006	21.98	ug/L		93
24) Chloroform	5.05	83	311926	21.09	ug/L		99
26) Tetrahydrofuran	5.42	42	38560	21.17	ug/L		94
28) 1,1,1-Trichloroethane	5.87	97	255703	22.88	ug/L		98
29) Carbon tetrachloride	6.25	117	196308	25.37	ug/L		99
30) Tert-amyl methyl ether	6.56	55	113138	20.77	ug/L		95
31) 1,1-Dichloropropene	6.09	75	244910	20.98	ug/L		98
32) Benzene	6.31	78	808089	21.41	ug/L		100
33) 1,2-Dichloroethane	5.78	62	210686	20.97	ug/L		99
34) Trichloroethene	6.99	95	192635	20.82	ug/L		99
35) 1,2-Dichloropropane	6.94	63	195644	21.44	ug/L		100
36) Dibromomethane	6.88	93	97590	21.53	ug/L		96
37) Bromodichloromethane	7.03	83	224720	23.75	ug/L		99
38) 1,4-Dioxane	7.19	88	15025	182.94	ug/L	#	100
39) 4-Methyl-2-pentanone (MIBK	7.87	43	118778	17.73	ug/L		99

Data Path : G:\Mar2005\HPV1\0315\
Data File : lcs0315b.D
Acq On : 15 Mar 2005 10:14 am
Operator : RLJ
Sample : 5030923-bsd1 @ 20 ppb voc lcs 5C07004
Misc : 1
Vial : 5 Sample Multiplier: 1

Quant Time: Mar 15 10:32:47 2005
Quant Method : C:\MSDCHEM\1\METHODS\V1030805.M
Quant Title : Volatile Organics-GC/MS
QLast Update : Tue Mar 08 08:39:10 2005
Response via : Initial Calibration

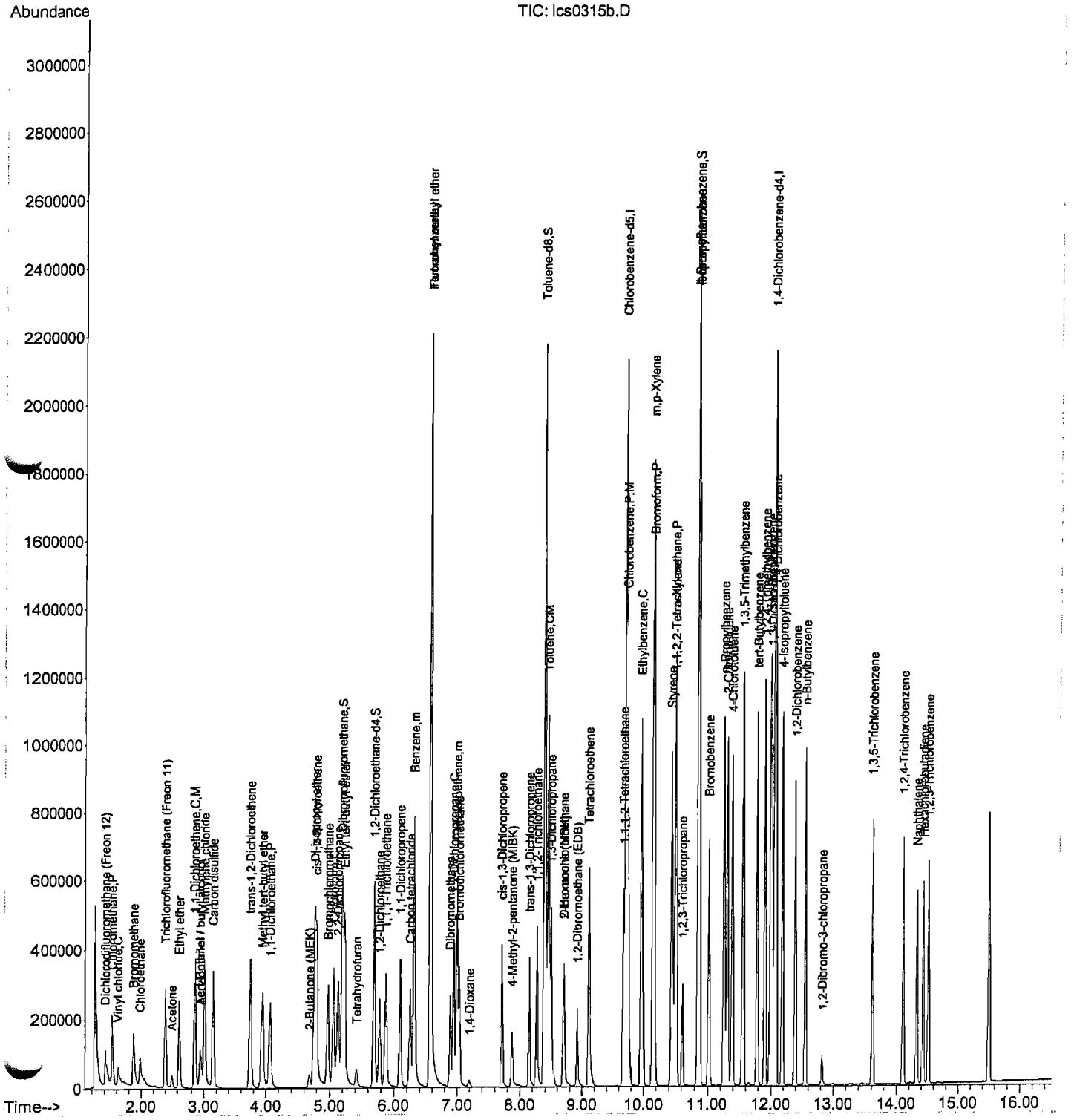
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 2-Hexanone (MBK)	8.71	43	79197	15.98 ug/L	98
42) cis-1,3-Dichloropropene	7.71	75	298064	21.95 ug/L	99
43) Toluene	8.44	92	560156	22.30 ug/L	98
44) trans-1,3-Dichloropropene	8.15	75	249890	22.06 ug/L	99
45) 1,1,2-Trichloroethane	8.27	83	128961	21.53 ug/L	99
46) Tetrachloroethene	9.12	164	175133	21.93 ug/L	95
47) 1,3-Dichloropropane	8.50	76	277069	21.21 ug/L	98
48) Dibromochloromethane	8.70	129	155961	25.21 ug/L	99
49) 1,2-Dibromoethane (EDB)	8.92	107	158160	21.63 ug/L	99
51) Chlorobenzene	9.73	112	618060	22.35 ug/L	99
52) 1,1,1,2-Tetrachloroethane	9.67	131	173867	24.72 ug/L	99
53) Ethylbenzene	9.95	91	990458	22.16 ug/L	99
54) m,p-Xylene	10.15	106	771982	45.83 ug/L	99
55) o-Xylene	10.50	106	389914	23.40 ug/L	95
56) Styrene	10.43	104	618108	23.37 ug/L	98
57) Bromoform	10.16	173	86608	26.96 ug/L	98
58) Isopropylbenzene	10.84	105	814818	22.47 ug/L	99
60) Bromobenzene	11.01	156	229734	22.63 ug/L	96
61) 1,1,2,2-Tetrachloroethane	10.49	83	176319	22.23 ug/L	100
62) 1,2,3-Trichloropropane	10.61	75	140590	21.75 ug/L	98
63) n-Propylbenzene	11.25	91	963426	21.95 ug/L	99
64) 2-Chlorotoluene	11.30	91	633988	22.37 ug/L	98
65) 4-Chlorotoluene	11.38	91	647042	22.11 ug/L	99
66) 1,3,5-Trimethylbenzene	11.55	105	711063	22.41 ug/L	99
67) tert-Butylbenzene	11.78	119	577518	22.25 ug/L	100
68) 1,2,4-Trimethylbenzene	11.90	105	681956	22.40 ug/L	100
69) sec-Butylbenzene	11.98	105	826688	21.98 ug/L	99
70) 1,3-Dichlorobenzene	12.01	146	419493	23.26 ug/L	97
72) 4-Isopropyltoluene	12.17	119	667223	21.83 ug/L	99
73) 1,4-Dichlorobenzene	12.07	146	403499	21.77 ug/L	97
74) 1,2-Dichlorobenzene	12.39	146	388947	22.24 ug/L	97
75) n-Butylbenzene	12.55	91	553739	20.70 ug/L	98
76) 1,2-Dibromo-3-chloropropan	12.82	75	22338	22.38 ug/L	88
77) 1,3,5-Trichlorobenzene	13.61	180	252698	19.83 ug/L	99
78) 1,2,4-Trichlorobenzene	14.10	180	230226	22.00 ug/L	99
79) Hexachlorobutadiene	14.42	225	120160	23.15 ug/L	97
80) Naphthalene	14.32	128	464933	22.96 ug/L	100
81) 1,2,3-Trichlorobenzene	14.51	180	213452	21.96 ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : G:\Mar2005\HPV1\0315\
Data File : lcs0315b.D
Acq On : 15 Mar 2005 10:14 am
Operator : RLJ
Sample : 5030923-bsd1 @ 20 ppb voc lcs 5C07004
Misc : 1
Vial : 5 Sample Multiplier: 1

Quant Time: Mar 15 10:32:47 2005
Quant Method : C:\MSDCHEM\1\METHODS\V1030805.M
Quant Title : Volatile Organics-GC/MS
QLast Update : Tue Mar 08 08:39:10 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : G:\Mar2005\HPV1\0315\
Data File : 2489102m.D
Acq On : 15 Mar 2005 12:37 pm
Operator : RLJ
Sample : 5030923-ms1 @ ax-mw-9s r-- 8260w
Misc : 1
Vial : 13 Sample Multiplier: 1

Quant Time: Mar 15 12:55:35 2005
Quant Method : C:\MSDCHEM\1\METHODS\V1030805.M
Quant Title : Volatile Organics-GC/MS
QLast Update : Tue Mar 08 08:39:10 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	6.56	96	2052803	50.00	ug/L		0.00
50) Chlorobenzene-d5	9.70	82	822498	50.00	ug/L		0.00
71) 1,4-Dichlorobenzene-d4	12.04	152	617198	50.00	ug/L		0.00
System Monitoring Compounds							
25) Dibromofluoromethane	5.18	111	459129	51.26	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.52%				
27) 1,2-Dichloroethane-d4	5.69	65	428320	50.39	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.78%				
40) Toluene-d8	8.38	98	1968708	49.40	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.80%				
59) 4-Bromofluorobenzene	10.84	95	708045	51.26	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.52%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane (F	1.40	85	149298	18.06	ug/L		100
3) Chloromethane	1.51	50	175034	15.34	ug/L		97
4) Vinyl chloride	1.61	62	41718	16.23	ug/L		95
5) Bromomethane	1.87	94	69501	12.67	ug/L		96
6) Chloroethane	1.97	64	105204	17.54	ug/L		100
7) Trichlorofluoromethane (Fr	2.38	101	223976	18.94	ug/L		100
8) Acetone	2.50	58	14480	20.00	ug/L		97
9) Ethyl ether	2.62	74	97421	18.68	ug/L		98
10) 1,1-Dichloroethene	2.84	96	151848	17.92	ug/L		95
11) Tert-Butanol / butyl alcoh	2.93	59	104406	231.80	ug/L	#	94
12) Acrylonitrile	2.93	53	53836	19.07	ug/L		98
13) Methylene chloride	3.00	84	185370	17.25	ug/L		96
14) Carbon disulfide	3.14	76	344110	12.31	ug/L		100
15) Methyl tert-butyl ether	3.93	73	427486	19.19	ug/L		98
16) trans-1,2-Dichloroethene	3.73	96	180019	18.66	ug/L		99
17) 2-Butanone (MEK)	4.67	43	56390	17.12	ug/L		98
18) Di-isopropyl ether	4.75	45	625312	20.01	ug/L		99
19) Ethyl tert-butyl ether	5.22	59	521464	19.31	ug/L		99
20) 1,1-Dichloroethane	4.05	63	334959	20.52	ug/L		98
21) 2,2-Dichloropropane	5.12	77	248162	21.12	ug/L		100
22) cis-1,2-Dichloroethene	4.79	96	213701	21.07	ug/L		96
23) Bromochloromethane	4.96	128	91520	19.88	ug/L		98
24) Chloroform	5.04	83	324581	20.61	ug/L		97
26) Tetrahydrofuran	5.41	42	36914	19.03	ug/L		96
28) 1,1,1-Trichloroethane	5.87	97	257004	21.59	ug/L		98
29) Carbon tetrachloride	6.24	117	186941	22.68	ug/L		95
30) Tert-amyl methyl ether	6.56	55	114466	19.73	ug/L		95
31) 1,1-Dichloropropene	6.09	75	233030	18.74	ug/L		99
32) Benzene	6.31	78	792829	19.72	ug/L		100
33) 1,2-Dichloroethane	5.78	62	206712	19.31	ug/L		99
34) Trichloroethene	6.99	95	191137	19.39	ug/L		97
35) 1,2-Dichloropropane	6.93	63	199186	20.49	ug/L		99
36) Dibromomethane	6.87	93	93432	19.35	ug/L		97
37) Bromodichloromethane	7.03	83	224877	22.31	ug/L		99
38) 1,4-Dioxane	7.19	88	17787	203.34	ug/L	#	100
39) 4-Methyl-2-pentanone (MIBK	7.87	43	113639	15.92	ug/L		100

Data Path : G:\Mar2005\HPV1\0315\
Data File : 2489102m.D
Acq On : 15 Mar 2005 12:37 pm
Operator : RLJ
Sample : 5030923-ms1 @ ax-mw-9s r-- 8260w
M[illegible]c : 1
[illegible] Vial : 13 Sample Multiplier: 1

Quant Time: Mar 15 12:55:35 2005
Quant Method : C:\MSDCHEM\1\METHODS\V1030805.M
Quant Title : Volatile Organics-GC/MS
QLast Update : Tue Mar 08 08:39:10 2005
Response via : Initial Calibration

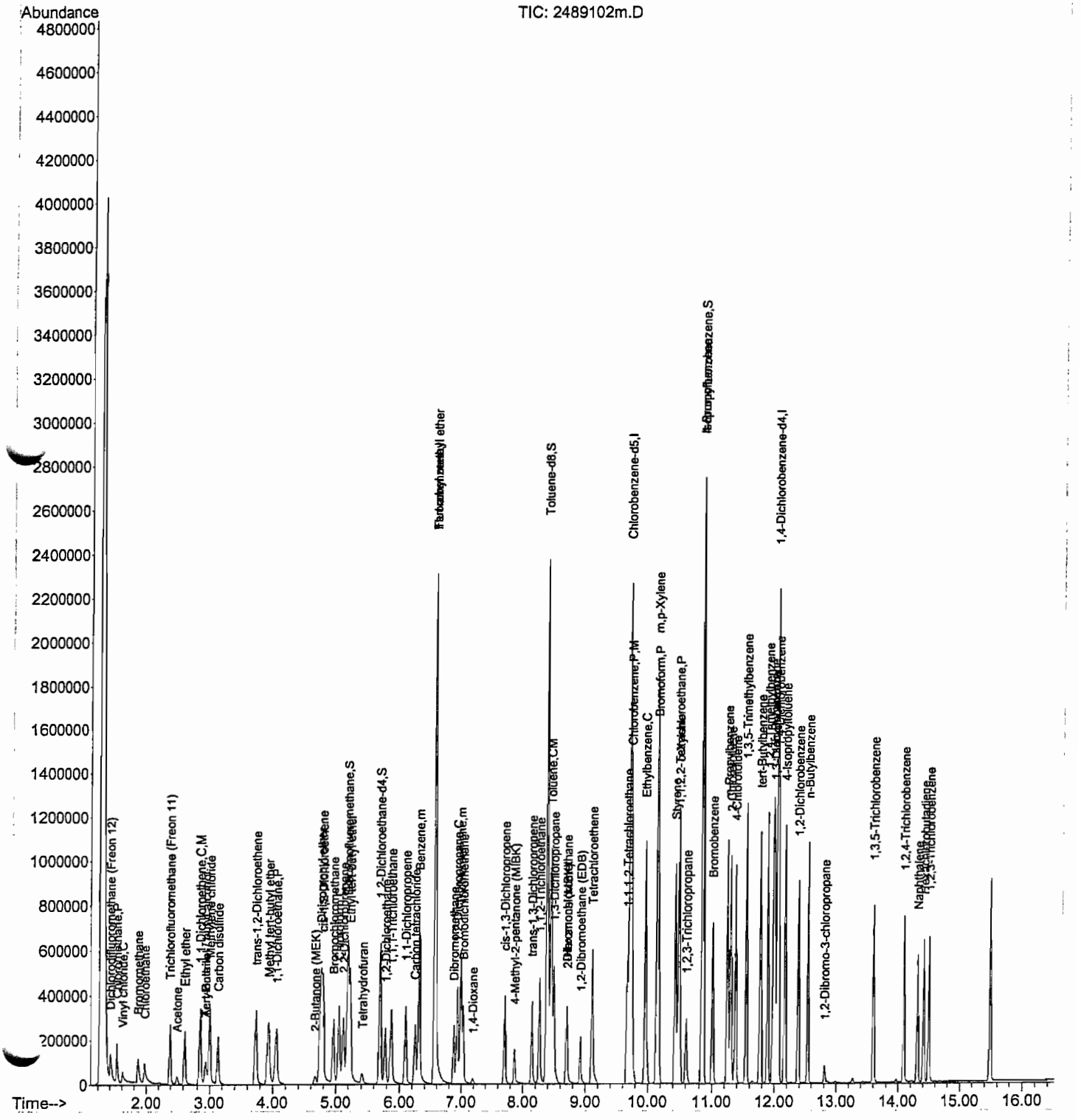
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 2-Hexanone (MBK)	8.71	43	71276	13.50 ug/L	98
42) cis-1,3-Dichloropropene	7.70	75	297432	20.56 ug/L	99
43) Toluene	8.45	92	543244	20.31 ug/L	98
44) trans-1,3-Dichloropropene	8.14	75	248145	20.57 ug/L	99
45) 1,1,2-Trichloroethane	8.26	83	133011	20.85 ug/L	97
46) Tetrachloroethene	9.11	164	167825	19.73 ug/L	97
47) 1,3-Dichloropropane	8.49	76	277191	19.92 ug/L	99
48) Dibromochloromethane	8.70	129	150334	22.82 ug/L	99
49) 1,2-Dibromoethane (EDB)	8.92	107	154429	19.83 ug/L	98
51) Chlorobenzene	9.73	112	612681	21.44 ug/L	98
52) 1,1,1,2-Tetrachloroethane	9.67	131	172090	23.68 ug/L	97
53) Ethylbenzene	9.95	91	977790	21.17 ug/L	99
54) m,p-Xylene	10.14	106	752434	43.22 ug/L	98
55) o-Xylene	10.50	106	384173	22.31 ug/L	93
56) Styrene	10.43	104	613565	22.45 ug/L	99
57) Bromoform	10.16	173	79659	23.99 ug/L	98
58) Isopropylbenzene	10.84	105	832189	22.20 ug/L	99
60) Bromobenzene	11.01	156	226601	21.59 ug/L	93
[illegible]1) 1,1,2,2-Tetrachloroethane	10.48	83	172971	21.10 ug/L	97
[illegible]) 1,2,3-Trichloropropane	10.61	75	137089	20.52 ug/L	99
63) n-Propylbenzene	11.25	91	950911	20.97 ug/L	98
64) 2-Chlorotoluene	11.30	91	661855	22.60 ug/L	100
65) 4-Chlorotoluene	11.38	91	655792	21.68 ug/L	99
66) 1,3,5-Trimethylbenzene	11.54	105	722057	22.02 ug/L	100
67) tert-Butylbenzene	11.78	119	604471	22.54 ug/L	100
68) 1,2,4-Trimethylbenzene	11.89	105	692430	22.01 ug/L	100
69) sec-Butylbenzene	11.98	105	860069	22.13 ug/L	98
70) 1,3-Dichlorobenzene	12.00	146	419859	22.52 ug/L	98
72) 4-Isopropyltoluene	12.17	119	689771	21.46 ug/L	99
73) 1,4-Dichlorobenzene	12.07	146	404619	20.75 ug/L	100
74) 1,2-Dichlorobenzene	12.38	146	388797	21.14 ug/L	98
75) n-Butylbenzene	12.54	91	582875	20.71 ug/L	100
76) 1,2-Dibromo-3-chloropropan	12.81	75	20062	19.11 ug/L	90
77) 1,3,5-Trichlorobenzene	13.61	180	267271	19.94 ug/L	98
78) 1,2,4-Trichlorobenzene	14.09	180	238707	21.69 ug/L	98
79) Hexachlorobutadiene	14.41	225	128103	23.46 ug/L	100
80) Naphthalene	14.31	128	461125	21.65 ug/L	100
81) 1,2,3-Trichlorobenzene	14.50	180	218793	21.40 ug/L	99

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

Quantitation Report (Not Reviewed)

Data Path : G:\Mar2005\HPV1\0315\
Data File : 2489102m.D
Acq On : 15 Mar 2005 12:37 pm
Operator : RLJ
Sample : 5030923-ms1 @ ax-mw-9s r-- 8260w
[illegible]sc : 1
[illegible]s Vial : 13 Sample Multiplier: 1

Quant Time: Mar 15 12:55:35 2005
Quant Method : C:\MSDCHEM\1\METHODS\V1030805.M
Quant Title : Volatile Organics-GC/MS
QLast Update : Tue Mar 08 08:39:10 2005
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : G:\Mar2005\HPV1\0315\
Data File : 2489102r.D
Acq On : 15 Mar 2005 1:01 pm
Operator : RLJ
Sample : 5030923-msd1 @ ax-mw-9s r-- 8260w
M[illegible]c : 1
A[illegible] Vial : 14 Sample Multiplier: 1

Quant Time: Mar 15 13:19:23 2005
Quant Method : C:\MSDCHEM\1\METHODS\V1030805.M
Quant Title : Volatile Organics-GC/MS
QLast Update : Tue Mar 08 08:39:10 2005
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	6.56	96	2027730	50.00	ug/L		0.00
50) Chlorobenzene-d5	9.70	82	820422	50.00	ug/L		0.00
71) 1,4-Dichlorobenzene-d4	12.04	152	638040	50.00	ug/L		0.00
System Monitoring Compounds							
25) Dibromofluoromethane	5.18	111	456471	51.59	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.18%				
27) 1,2-Dichloroethane-d4	5.69	65	430823	51.32	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.64%				
40) Toluene-d8	8.38	98	1944697	49.40	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.80%				
59) 4-Bromofluorobenzene	10.84	95	715540	51.93	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.86%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane (F	1.40	85	131384	16.09	ug/L		99
3) Chloromethane	1.51	50	174361	15.47	ug/L		98
4) Vinyl chloride	1.61	62	39502	15.56	ug/L		94
5) Bromomethane	1.87	94	73679	13.60	ug/L		90
[illegible]) Chloroethane	1.97	64	96376	16.27	ug/L		98
7) Trichlorofluoromethane (Fr	2.38	101	211368	18.09	ug/L		100
8) Acetone	2.50	58	17676	24.71	ug/L		99
9) Ethyl ether	2.62	74	96165	18.67	ug/L		99
10) 1,1-Dichloroethene	2.84	96	145854	17.43	ug/L		96
11) Tert-Butanol / butyl alcoh	2.93	59	113894	256.00	ug/L	#	78
12) Acrylonitrile	2.93	53	53391	19.14	ug/L		98
13) Methylene chloride	3.00	84	186051	17.53	ug/L		99
14) Carbon disulfide	3.14	76	332609	12.04	ug/L		99
15) Methyl tert-butyl ether	3.93	73	428234	19.46	ug/L		99
16) trans-1,2-Dichloroethene	3.73	96	177828	18.66	ug/L		98
17) 2-Butanone (MEK)	4.67	43	60504	18.59	ug/L		99
18) Di-isopropyl ether	4.75	45	635149	20.57	ug/L		98
19) Ethyl tert-butyl ether	5.22	59	530204	19.87	ug/L		100
20) 1,1-Dichloroethane	4.05	63	331239	20.54	ug/L		98
21) 2,2-Dichloropropane	5.12	77	240611	20.73	ug/L		98
22) cis-1,2-Dichloroethene	4.78	96	209269	20.89	ug/L		95
23) Bromochloromethane	4.96	128	91964	20.22	ug/L		93
24) Chloroform	5.04	83	319351	20.53	ug/L		99
26) Tetrahydrofuran	5.41	42	38993	20.35	ug/L		97
28) 1,1,1-Trichloroethane	5.87	97	253307	21.54	ug/L		96
29) Carbon tetrachloride	6.25	117	181627	22.31	ug/L		99
30) Tert-amyl methyl ether	6.56	55	113276	19.76	ug/L		96
31) 1,1-Dichloropropene	6.09	75	226783	18.47	ug/L		99
32) Benzene	6.31	78	775066	19.52	ug/L		99
33) 1,2-Dichloroethane	5.77	62	205188	19.41	ug/L		100
34) Trichloroethene	6.99	95	186908	19.20	ug/L		95
35) 1,2-Dichloropropane	6.93	63	196604	20.47	ug/L		99
[illegible]) Dibromomethane	6.87	93	95043	19.93	ug/L		96
[illegible]) Bromodichloromethane	7.03	83	223190	22.42	ug/L		97
38) 1,4-Dioxane	7.18	88	18421	213.19	ug/L	#	98
39) 4-Methyl-2-pentanone (MIBK	7.87	43	123275	17.49	ug/L		98

Data Path : G:\Mar2005\HPV1\0315\
Data File : 2489102r.D
Acq On : 15 Mar 2005 1:01 pm
Operator : RLJ
Sample : 5030923-msd1 @ ax-mw-9s r-- 8260w
M[illegible]c : 1
A[illegible] Vial : 14 Sample Multiplier: 1

Quant Time: Mar 15 13:19:23 2005
Quant Method : C:\MSDCHEM\1\METHODS\V1030805.M
Quant Title : Volatile Organics-GC/MS
QLast Update : Tue Mar 08 08:39:10 2005
Response via : Initial Calibration

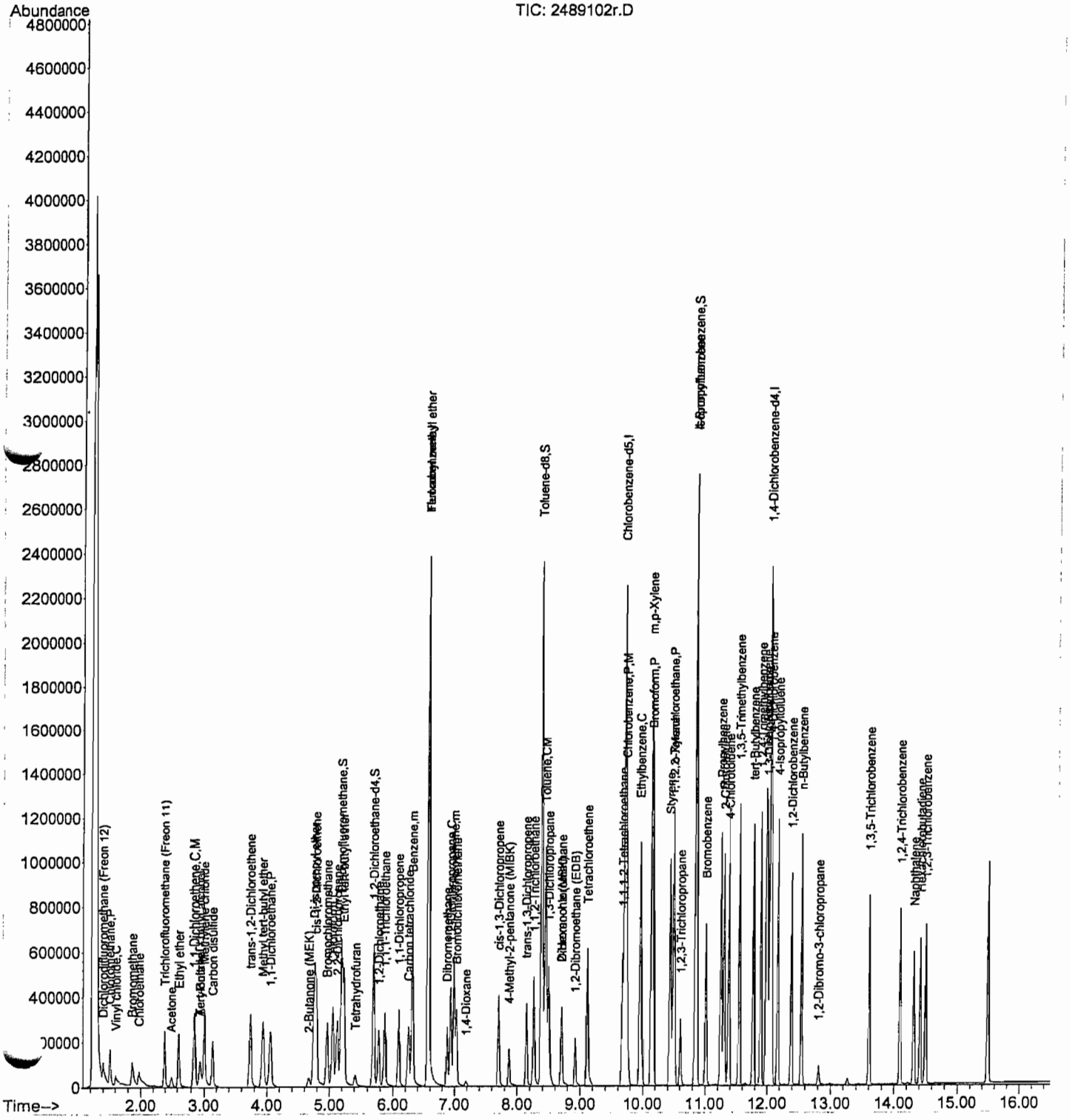
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 2-Hexanone (MBK)	8.71	43	78832	15.12 ug/L	96
42) cis-1,3-Dichloropropene	7.70	75	297183	20.80 ug/L	98
43) Toluene	8.45	92	530322	20.07 ug/L	98
44) trans-1,3-Dichloropropene	8.14	75	245250	20.58 ug/L	99
45) 1,1,2-Trichloroethane	8.26	83	132038	20.96 ug/L	99
46) Tetrachloroethene	9.11	164	162054	19.29 ug/L	97
47) 1,3-Dichloropropane	8.49	76	275381	20.03 ug/L	99
48) Dibromochloromethane	8.70	129	148710	22.85 ug/L	98
49) 1,2-Dibromoethane (EDB)	8.92	107	152044	19.77 ug/L	99
51) Chlorobenzene	9.73	112	600064	21.05 ug/L	99
52) 1,1,1,2-Tetrachloroethane	9.67	131	170705	23.55 ug/L	98
53) Ethylbenzene	9.95	91	950152	20.63 ug/L	99
54) m,p-Xylene	10.14	106	739149	42.57 ug/L	98
55) o-Xylene	10.50	106	374631	21.81 ug/L	93
56) Styrene	10.43	104	609743	22.36 ug/L	98
57) Bromoform	10.16	173	77540	23.41 ug/L	96
58) Isopropylbenzene	10.84	105	815858	21.82 ug/L	99
60) Bromobenzene	11.01	156	226084	21.60 ug/L	94
[illegible]1) 1,1,2,2-Tetrachloroethane	10.48	83	170871	20.89 ug/L	99
[illegible]) 1,2,3-Trichloropropane	10.61	75	138413	20.77 ug/L	98
63) n-Propylbenzene	11.25	91	962256	21.27 ug/L	99
64) 2-Chlorotoluene	11.30	91	655902	22.46 ug/L	97
65) 4-Chlorotoluene	11.38	91	659535	21.86 ug/L	99
66) 1,3,5-Trimethylbenzene	11.54	105	718684	21.97 ug/L	98
67) tert-Butylbenzene	11.77	119	610535	22.82 ug/L	98
68) 1,2,4-Trimethylbenzene	11.89	105	704434	22.44 ug/L	99
69) sec-Butylbenzene	11.98	105	888387	22.91 ug/L	98
70) 1,3-Dichlorobenzene	12.00	146	427224	22.98 ug/L	99
72) 4-Isopropyltoluene	12.17	119	708309	21.31 ug/L	99
73) 1,4-Dichlorobenzene	12.07	146	414957	20.59 ug/L	100
74) 1,2-Dichlorobenzene	12.38	146	402252	21.16 ug/L	99
75) n-Butylbenzene	12.54	91	597930	20.56 ug/L	97
76) 1,2-Dibromo-3-chloropropan	12.81	75	21321	19.64 ug/L	97
77) 1,3,5-Trichlorobenzene	13.60	180	274691	19.82 ug/L	98
78) 1,2,4-Trichlorobenzene	14.09	180	250294	22.00 ug/L	95
79) Hexachlorobutadiene	14.41	225	134130	23.77 ug/L	97
80) Naphthalene	14.31	128	480047	21.81 ug/L	100
81) 1,2,3-Trichlorobenzene	14.50	180	232657	22.02 ug/L	99

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

Quantitation Report (Not Reviewed)

Data Path : G:\Mar2005\HPV1\0315\
Data File : 2489102r.D
Acq On : 15 Mar 2005 1:01 pm
Operator : RLJ
Sample : 5030923-msd1 @ ax-mw-9s r-- 8260w
[illegible]sc : 1
[illegible] Vial : 14 Sample Multiplier: 1

Quant Time: Mar 15 13:19:23 2005
Quant Method : C:\MSDCHEM\1\METHODS\V1030805.M
Quant Title : Volatile Organics-GC/MS
QLast Update : Tue Mar 08 08:39:10 2005
Response via : Initial Calibration



ACCREDITED IN ACCORDANCE WITH nelac
Lab #11393/11840

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Analytical Data Summary

Instrument Injection Log

Work continued from Page _____ Method: VI 030805 BATCH: 5030923 IS/S: 5C04002 3/15/05 AM

	Lab ID	Client ID	Dilution	plt	Analysis
1	MP 10315A	5030923-BLK1	System Blank	/ BFB	Tune check
2	B	-BLK1	"	"	"
3	CCC 0315A	-CCV1	50 ppb	VOC	CCC 5C14004
4	LCS 0315A	-BS1	20 ppb	VOC	LCS 5C14005
5	B	-BSD1	"	"	"
8	24891-010	AX-MW-8S-(030205)	R-	8260W	C1S1, M-1, N-1
9	-020	-9S			ND
10	-030	-11S			M-2
10 11	-040	AX-Dupe			ND
12	-050	AX-TB			ND
13	-02M	5030923-MS1	R- tMX		MX 5C14006
14	-02R	-MSD1	R- tMXD		MXD
15	25107-050	Trip Blank	R-	8260W 14	N-1
15 16	25119-08	R-7-8:	11100	8260W	ND
17	-09	Dup			ND
18	CB03150.1	Blank			M-4
19	02	—			M-1
20	25119-020	R-7-2:	1:5	8260W	C1S2 TCE6 PCE36
20 21	-030	-3:	R-		PCE 0.94
22	-040	-4:			ND
23	-05P	-5:			ND
24	-06P	-6:	1:5		C1S1 PCE35
25	-07P	-7:	R-		ND
25 26	24961-020	MP-06	R-		TCE30 PCE13 IPB1 SB1 8260W VCE54 11DCE2 TRANS1 CIS1022
27	25119-080	R-7-8:	R-		ND
28	-090	Dup	R-		ND

Work continued to Page _____

SIGNATURE

DATE 3/15/05

DISCLOSED TO AND UNDERSTOOD BY

DATE 3/15/05 WITNESS

DATE 3/15/05

ACCREDITED IN ACCORDANCE WITH nelac
Lab #11393/11840

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Analytical Data Summary

Standard Preparation Log

STANDARD RECORD

5C14004

Description: Prepared VOC CCC (4687)

Last Edit: 14-Mar-05 09:04 by RJ

Standard Type: Analyte Spike
Solvent: D.I. H2O
Vials: 30
Final Volume (mls): 100

Expires: 21-Mar-05
Prepared: 14-Mar-05
Prepared By: Robert Johnston
Department: VOC

Prepared 50ppb CCC by spiking 100ul into 100ml DI (F.V.) of Ultra Scientific CUS-4687.
LOT # CA-1021

Ampules: 4F23002 (0.1 ml)

Analyte	Concentration	Units	Analyte	Concentration	Units
1,1,1,2-Tetrachloroethane	0.05	ppm	Chloromethane	0.05	ppm
1,1,1-Trichloroethane	0.05	ppm	cis-1,2-Dichloroethene	0.05	ppm
1,1,2,2-Tetrachloroethane	0.05	ppm	cis-1,3-Dichloropropene	0.05	ppm
1,1,2-Trichloroethane	0.05	ppm	Dibromochloromethane	0.05	ppm
1,1-Dichloroethane	0.05	ppm	Dibromomethane	0.05	ppm
1,1-Dichloroethene	0.05	ppm	Dichlorodifluoromethane (Freon12	0.05	ppm
1,1-Dichloropropene	0.05	ppm	Di-isopropyl ether	0.05	ppm
1,2,3-Trichlorobenzene	0.05	ppm	Ethyl ether	0.05	ppm
1,2,3-Trichloropropane	0.05	ppm	Ethyl tert-butyl ether	0.05	ppm
1,2,4-Trichlorobenzene	0.05	ppm	Ethylbenzene	0.05	ppm
1,2,4-Trimethylbenzene	0.05	ppm	Hexachlorobutadiene	0.05	ppm
1,2-Dibromo-3-chloropropane	0.05	ppm	Isopropylbenzene	0.05	ppm
1,2-Dibromoethane (EDB)	0.05	ppm	m,p-Xylene	0.1	ppm
1,2-Dichlorobenzene	0.05	ppm	Methyl tert-butyl ether	0.05	ppm
1,2-Dichloroethane	0.05	ppm	Methylene chloride	0.05	ppm
1,2-Dichloropropane	0.05	ppm	Naphthalene	0.05	ppm
1,3,5-Trichlorobenzene	0.05	ppm	n-Butylbenzene	0.05	ppm
1,3,5-Trimethylbenzene	0.05	ppm	n-Propylbenzene	0.05	ppm
1,3-Dichlorobenzene	0.05	ppm	o-Xylene	0.05	ppm
1,3-Dichloropropane	0.05	ppm	sec-Butylbenzene	0.05	ppm
1,4-Dichlorobenzene	0.05	ppm	Styrene	0.05	ppm
1,4-Dioxane	0.5	ppm	Tert-amyl methyl ether	0.05	ppm
2,2-Dichloropropane	0.05	ppm	Tert-Butanol / butyl alcohol	0.5	ppm
2-Butanone (MEK)	0.05	ppm	tert-Butylbenzene	0.05	ppm
2-Chlorotoluene	0.05	ppm	Tetrachloroethene	0.05	ppm
2-Hexanone (MBK)	0.05	ppm	Tetrahydrofuran	0.05	ppm
4-Chlorotoluene	0.05	ppm	Toluene	0.05	ppm
4-Isopropyltoluene	0.05	ppm	trans-1,2-Dichloroethene	0.05	ppm
4-Methyl-2-pentanone (MIBK)	0.05	ppm	trans-1,3-Dichloropropene	0.05	ppm
Acetone	0.05	ppm	Trichloroethene	0.05	ppm
Acrylonitrile	0.05	ppm	Trichlorofluoromethane (Freon 11)	0.05	ppm
Benzene	0.05	ppm	Vinyl chloride	0.05	ppm
Bromobenzene	0.05	ppm			
Bromochloromethane	0.05	ppm			
Bromodichloromethane	0.05	ppm			
Bromoform	0.05	ppm			
Bromomethane	0.05	ppm			
Carbon disulfide	0.05	ppm			
Carbon tetrachloride	0.05	ppm			
Chlorobenzene	0.05	ppm			
Chloroethane	0.05	ppm			
Chloroform	0.05	ppm			

STANDARD RECORD

4F23002

Description: Ampule - Continuing Calibration Check (CCC) 4687

Last Edit: 23-Jun-04 09:30 by RJ

Standard Type: Inactive
Solvent: methanol
Vials: 8
Final Volume (mls): 1

Expires: 01-Jul-06
Prepared: 23-Jun-04
Prepared By: Robert Johnston
Department: VOC

Continuing Calibration Check (CCC) CUS-4687
Part # CUS-4687
Lot # CA-1021

Analyte	Concentration	Units	Analyte	Concentration	Units
1,1,1,2-Tetrachloroethane	50	ppm	cis-1,3-Dichloropropene	50	ppm
1,1,1-Trichloroethane	50	ppm	Dibromochloromethane	50	ppm
1,1,2,2-Tetrachloroethane	50	ppm	Dibromomethane	50	ppm
1,1,2-Trichloroethane	50	ppm	Dichlorodifluoromethane (Freon12	50	ppm
1,1-Dichloroethane	50	ppm	Di-isopropyl ether	50	ppm
1,1-Dichloroethene	50	ppm	Ethyl ether	50	ppm
1,1-Dichloropropene	50	ppm	Ethyl tert-butyl ether	50	ppm
1,2,3-Trichlorobenzene	50	ppm	Ethylbenzene	50	ppm
1,2,3-Trichloropropane	50	ppm	Hexachlorobutadiene	50	ppm
1,2,4-Trichlorobenzene	50	ppm	Isopropylbenzene	50	ppm
1,2,4-Trimethylbenzene	50	ppm	m,p-Xylene	100	ppm
1,2-Dibromo-3-chloropropane	50	ppm	Methyl tert-butyl ether	50	ppm
1,2-Dibromoethane (EDB)	50	ppm	Methylene chloride	50	ppm
1,2-Dichlorobenzene	50	ppm	Naphthalene	50	ppm
1,2-Dichloroethane	50	ppm	n-Butylbenzene	50	ppm
1,2-Dichloropropane	50	ppm	n-Propylbenzene	50	ppm
1,3,5-Trichlorobenzene	50	ppm	o-Xylene	50	ppm
1,3,5-Trimethylbenzene	50	ppm	sec-Butylbenzene	50	ppm
1,3-Dichlorobenzene	50	ppm	Styrene	50	ppm
1,3-Dichloropropane	50	ppm	Tert-amyl methyl ether	50	ppm
1,4-Dichlorobenzene	50	ppm	Tert-Butanol / butyl alcohol	500	ppm
1,4-Dioxane	500	ppm	tert-Butylbenzene	50	ppm
2,2-Dichloropropane	50	ppm	Tetrachloroethene	50	ppm
2-Butanone (MEK)	50	ppm	Tetrahydrofuran	50	ppm
2-Chlorotoluene	50	ppm	Toluene	50	ppm
2-Hexanone (MBK)	50	ppm	trans-1,2-Dichloroethene	50	ppm
4-Chlorotoluene	50	ppm	trans-1,3-Dichloropropene	50	ppm
4-Isopropyltoluene	50	ppm	Trichloroethene	50	ppm
4-Methyl-2-pentanone (MIBK)	50	ppm	Trichlorofluoromethane (Freon 11)	50	ppm
Acetone	50	ppm	Vinyl chloride	50	ppm
Acrylonitrile	50	ppm			
Benzene	50	ppm			
Bromobenzene	50	ppm			
Bromochloromethane	50	ppm			
Bromodichloromethane	50	ppm			
Bromoform	50	ppm			
Bromomethane	50	ppm			
Carbon disulfide	50	ppm			
Carbon tetrachloride	50	ppm			
Chlorobenzene	50	ppm			
Chloroethane	50	ppm			
Chloroform	50	ppm			
Chloromethane	50	ppm			
cis-1,2-Dichloroethene	50	ppm			

STANDARD RECORD

5C14005

Description: Prepared VOC LCS (93391)

Last Edit: 14-Mar-05 09:04 by RJ

Standard Type: Analyte Spike
Solvent: D.I. H2O
Vials: 30
Final Volume (mls): 100

Expires: 21-Mar-05
Prepared: 14-Mar-05
Prepared By: Robert Johnston
Department: VOC

Prepared 20ppb LCS by spiking 40ul into 100ml DI (F.V.) of Absolute Standard 93391 Lot# 32103

Ampules: 3D16001 (0.04 ml)

Analyte	Concentration	Units	Analyte	Concentration	Units
1,1,1,2-Tetrachloroethane	0.02	ppm	Chloromethane	0.02	ppm
1,1,1-Trichloroethane	0.02	ppm	cis-1,2-Dichloroethene	0.02	ppm
1,1,2,2-Tetrachloroethane	0.02	ppm	cis-1,3-Dichloropropene	0.02	ppm
1,1,2-Trichloroethane	0.02	ppm	Dibromochloromethane	0.02	ppm
1,1-Dichloroethane	0.02	ppm	Dibromomethane	0.02	ppm
1,1-Dichloroethene	0.02	ppm	Dichlorodifluoromethane (Freon12	0.02	ppm
1,1-Dichloropropene	0.02	ppm	Di-isopropyl ether	0.02	ppm
1,2,3-Trichlorobenzene	0.02	ppm	Ethyl ether	0.02	ppm
1,2,3-Trichloropropane	0.02	ppm	Ethyl tert-butyl ether	0.02	ppm
1,2,4-Trichlorobenzene	0.02	ppm	Ethylbenzene	0.02	ppm
1,2,4-Trimethylbenzene	0.02	ppm	Hexachlorobutadiene	0.02	ppm
1,2-Dibromo-3-chloropropane	0.02	ppm	Isopropylbenzene	0.02	ppm
1,2-Dibromoethane (EDB)	0.02	ppm	m,p-Xylene	0.04	ppm
1,2-Dichlorobenzene	0.02	ppm	Methyl tert-butyl ether	0.02	ppm
1,2-Dichloroethane	0.02	ppm	Methylene chloride	0.02	ppm
1,2-Dichloropropane	0.02	ppm	Naphthalene	0.02	ppm
1,3,5-Trichlorobenzene	0.02	ppm	n-Butylbenzene	0.02	ppm
1,3,5-Trimethylbenzene	0.02	ppm	n-Propylbenzene	0.02	ppm
1,3-Dichlorobenzene	0.02	ppm	o-Xylene	0.02	ppm
1,3-Dichloropropane	0.02	ppm	sec-Butylbenzene	0.02	ppm
1,4-Dichlorobenzene	0.02	ppm	Styrene	0.02	ppm
1,4-Dioxane	0.2	ppm	Tert-amyl methyl ether	0.02	ppm
2,2-Dichloropropane	0.02	ppm	Tert-Butanol / butyl alcohol	0.2	ppm
2-Butanone (MEK)	0.02	ppm	tert-Butylbenzene	0.02	ppm
2-Chlorotoluene	0.02	ppm	Tetrachloroethene	0.02	ppm
2-Hexanone (MBK)	0.02	ppm	Tetrahydrofuran	0.02	ppm
4-Chlorotoluene	0.02	ppm	Toluene	0.02	ppm
4-Isopropyltoluene	0.02	ppm	trans-1,2-Dichloroethene	0.02	ppm
4-Methyl-2-pentanone (MIBK)	0.02	ppm	trans-1,3-Dichloropropene	0.02	ppm
Acetone	0.02	ppm	Trichloroethene	0.02	ppm
Acrylonitrile	0.02	ppm	Trichlorofluoromethane (Freon 11)	0.02	ppm
Benzene	0.02	ppm	Vinyl chloride	0.02	ppm
Bromobenzene	0.02	ppm			
Bromochloromethane	0.02	ppm			
Bromodichloromethane	0.02	ppm			
Bromoform	0.02	ppm			
Bromomethane	0.02	ppm			
Carbon disulfide	0.02	ppm			
Carbon tetrachloride	0.02	ppm			
Chlorobenzene	0.02	ppm			
Chloroethane	0.02	ppm			
Chloroform	0.02	ppm			

STANDARD RECORD

3D16001

Description: Ampule - Continuing Calibration Check (LCS) 93391

Last Edit: 25-May-04 12:07 by KW

Standard Type: Inactive
Solvent: methanol
Vials: 8
Final Volume (mls): 1

Expires: 21-Mar-06
Prepared: 15-Apr-03
Prepared By: Kimberly Wisk
Department: VOC

Continuing Calibration Check (LCS) 93391
Part # 93391
Lot # 032103

Analyte	Concentration	Units	Analyte	Concentration	Units
1,1,1,2-Tetrachloroethane	50	ppm	cis-1,3-Dichloropropene	50	ppm
1,1,1-Trichloroethane	50	ppm	Dibromochloromethane	50	ppm
1,1,2,2-Tetrachloroethane	50	ppm	Dibromomethane	50	ppm
1,1,2-Trichloroethane	50	ppm	Dichlorodifluoromethane (Freon12	50	ppm
1,1-Dichloroethane	50	ppm	Di-isopropyl ether	50	ppm
1,1-Dichloroethene	50	ppm	Ethyl ether	50	ppm
1,1-Dichloropropene	50	ppm	Ethyl tert-butyl ether	50	ppm
1,2,3-Trichlorobenzene	50	ppm	Ethylbenzene	50	ppm
1,2,3-Trichloropropane	50	ppm	Hexachlorobutadiene	50	ppm
1,2,4-Trichlorobenzene	50	ppm	Isopropylbenzene	50	ppm
1,2,4-Trimethylbenzene	50	ppm	m,p-Xylene	100	ppm
1,2-Dibromo-3-chloropropane	50	ppm	Methyl tert-butyl ether	50	ppm
1,2-Dibromoethane (EDB)	50	ppm	Methylene chloride	50	ppm
1,2-Dichlorobenzene	50	ppm	Naphthalene	50	ppm
1,2-Dichloroethane	50	ppm	n-Butylbenzene	50	ppm
1,2-Dichloropropane	50	ppm	n-Propylbenzene	50	ppm
1,3,5-Trichlorobenzene	50	ppm	o-Xylene	50	ppm
1,3,5-Trimethylbenzene	50	ppm	sec-Butylbenzene	50	ppm
1,3-Dichlorobenzene	50	ppm	Styrene	50	ppm
1,3-Dichloropropane	50	ppm	Tert-amyl methyl ether	50	ppm
1,4-Dichlorobenzene	50	ppm	Tert-Butanol / butyl alcohol	500	ppm
1,4-Dioxane	500	ppm	tert-Butylbenzene	50	ppm
2,2-Dichloropropane	50	ppm	Tetrachloroethene	50	ppm
2-Butanone (MEK)	50	ppm	Tetrahydrofuran	50	ppm
2-Chlorotoluene	50	ppm	Toluene	50	ppm
2-Hexanone (MBK)	50	ppm	trans-1,2-Dichloroethene	50	ppm
4-Chlorotoluene	50	ppm	trans-1,3-Dichloropropene	50	ppm
4-Isopropyltoluene	50	ppm	Trichloroethene	50	ppm
4-Methyl-2-pentanone (MIBK)	50	ppm	Trichlorofluoromethane (Freon 11)	50	ppm
Acetone	50	ppm	Vinyl chloride	50	ppm
Acrylonitrile	50	ppm			
Benzene	50	ppm			
Bromobenzene	50	ppm			
Bromochloromethane	50	ppm			
Bromodichloromethane	50	ppm			
Bromoform	50	ppm			
Bromomethane	50	ppm			
Carbon disulfide	50	ppm			
Carbon tetrachloride	50	ppm			
Chlorobenzene	50	ppm			
Chloroethane	50	ppm			
Chloroform	50	ppm			
Chloromethane	50	ppm			
cis-1,2-Dichloroethene	50	ppm			

STANDARD RECORD

5C14006

Description: Prepared VOC MCP Cam Matrix Spike 2ul

Last Edit: 14-Mar-05 09:04 by RJ

Standard Type: Analyte Spike
Solvent: DI H2O
Vials: 1
Final Volume (mls): 5

Expires: 21-Mar-05
Prepared: 14-Mar-05
Prepared By: Robert Johnston
Department: VOC

Absolute Standard MX/LCS (part# 93391)

Ampules: 3D16001 (0.002 ml)

Analyte	Concentration	Units	Analyte	Concentration	Units
1,1,1,2-Tetrachloroethane	0.02	ppm	Chloromethane	0.02	ppm
1,1,1-Trichloroethane	0.02	ppm	cis-1,2-Dichloroethene	0.02	ppm
1,1,2,2-Tetrachloroethane	0.02	ppm	cis-1,3-Dichloropropene	0.02	ppm
1,1,2-Trichloroethane	0.02	ppm	Dibromochloromethane	0.02	ppm
1,1-Dichloroethane	0.02	ppm	Dibromomethane	0.02	ppm
1,1-Dichloroethene	0.02	ppm	Dichlorodifluoromethane (Freon12	0.02	ppm
1,1-Dichloropropene	0.02	ppm	Di-isopropyl ether	0.02	ppm
1,2,3-Trichlorobenzene	0.02	ppm	Ethyl ether	0.02	ppm
1,2,3-Trichloropropane	0.02	ppm	Ethyl tert-butyl ether	0.02	ppm
1,2,4-Trichlorobenzene	0.02	ppm	Ethylbenzene	0.02	ppm
1,2,4-Trimethylbenzene	0.02	ppm	Hexachlorobutadiene	0.02	ppm
1,2-Dibromo-3-chloropropane	0.02	ppm	Isopropylbenzene	0.02	ppm
1,2-Dibromoethane (EDB)	0.02	ppm	m,p-Xylene	0.04	ppm
1,2-Dichlorobenzene	0.02	ppm	Methyl tert-butyl ether	0.02	ppm
1,2-Dichloroethane	0.02	ppm	Methylene chloride	0.02	ppm
1,2-Dichloropropane	0.02	ppm	Naphthalene	0.02	ppm
1,3,5-Trichlorobenzene	0.02	ppm	n-Butylbenzene	0.02	ppm
1,3,5-Trimethylbenzene	0.02	ppm	n-Propylbenzene	0.02	ppm
1,3-Dichlorobenzene	0.02	ppm	o-Xylene	0.02	ppm
1,3-Dichloropropane	0.02	ppm	sec-Butylbenzene	0.02	ppm
1,4-Dichlorobenzene	0.02	ppm	Styrene	0.02	ppm
1,4-Dioxane	0.2	ppm	Tert-amyl methyl ether	0.02	ppm
2,2-Dichloropropane	0.02	ppm	Tert-Butanol / butyl alcohol	0.2	ppm
2-Butanone (MEK)	0.02	ppm	tert-Butylbenzene	0.02	ppm
2-Chlorotoluene	0.02	ppm	Tetrachloroethene	0.02	ppm
2-Hexanone (MBK)	0.02	ppm	Tetrahydrofuran	0.02	ppm
4-Chlorotoluene	0.02	ppm	Toluene	0.02	ppm
4-Isopropyltoluene	0.02	ppm	trans-1,2-Dichloroethene	0.02	ppm
4-Methyl-2-pentanone (MIBK)	0.02	ppm	trans-1,3-Dichloropropene	0.02	ppm
Acetone	0.02	ppm	Trichloroethene	0.02	ppm
Acrylonitrile	0.02	ppm	Trichlorofluoromethane (Freon 11)	0.02	ppm
Benzene	0.02	ppm	Vinyl chloride	0.02	ppm
Bromobenzene	0.02	ppm			
Bromochloromethane	0.02	ppm			
Bromodichloromethane	0.02	ppm			
Bromoform	0.02	ppm			
Bromomethane	0.02	ppm			
Carbon disulfide	0.02	ppm			
Carbon tetrachloride	0.02	ppm			
Chlorobenzene	0.02	ppm			
Chloroethane	0.02	ppm			
Chloroform	0.02	ppm			

ACCREDITED IN ACCORDANCE WITH nelac
NY Lab #11393/11840

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Analytical Data Summary

Bench Sheet

SPECTRUM ANALYTICAL, IN PREPARATION BENCH SHEET

5030923

Method No.: _____

Matrix: Aqueous **Prepared using: VOC - Volatiles** **Surrogate used: 5C04002**

Lab Number	Client ID	Analysis	Initial (ml)	Final (ml)	Spike ID	Source ID	Due Date	Collection Date	Sample Comments	
5030923-BLK1	Blank	QC	5	5				15-Mar-05 08:00		
5030923-BS1	LCS	QC	5	5	5C14005			15-Mar-05 08:00		
5030923-BSD1	LCS Dup	QC	5	5	5C14005			15-Mar-05 08:00		
5030923-MS1	Matrix Spike	QC	5	5	5C14006	SA24891-02		02-Mar-05 10:52		
5030923-MSD1	Matrix Spike Dup	QC	5	5	5C14006	SA24891-02		02-Mar-05 10:52		
SA24891-01	AX-MW-8S (030205)	8260B Full List	5	5			14-Mar-05 16:00	02-Mar-05 12:10	**Tier III data deliverable ASP B**	
SA24891-02	AX-MW-9S (030205)	8260 NH Full	5	5				02-Mar-05 10:52	**BatchQC**	
SA24891-02	AX-MW-9S (030205)	8260B Full List	5	5			14-Mar-05 16:00	02-Mar-05 10:52	**Tier III data deliverable ASP B**	
SA24891-03	AX-MW-11S (030205)	8260B Full List	5	5			14-Mar-05 16:00	02-Mar-05 12:30	**Tier III data deliverable ASP B**	
SA24891-04	AX-DUPE (030205)	8260B Full List	5	5			14-Mar-05 16:00	02-Mar-05 12:00	**Tier III data deliverable ASP B**	
SA24891-05	AX-TB (030205)	8260B Full List	5	5			14-Mar-05 16:00	02-Mar-05 00:00	**Tier III data deliverable ASP B**	
SA24954-01	Influent	8260B Full List	5	5			15-Mar-05 16:00	03-Mar-05 15:30		
SA24961-02	MP-06	8260B Full List	5	5			16-Mar-05 16:00	04-Mar-05 14:55	**rr– 2nd vial**	
SA25107-05	Trip Blank	8260 NH Full	5	5			16-Mar-05 15:00	11-Mar-05 00:00	**TBA Only**	
SA25119-02	RIZ-2i	8260B Full List	5	5			17-Mar-05 15:00	09-Mar-05 10:35		
SA25119-03	RIZ-3i	8260B Full List	5	5			17-Mar-05 15:00	09-Mar-05 10:50		
SA25119-04	RIZ-4i	8260B Full List	5	5			17-Mar-05 15:00	09-Mar-05 11:20		
SA25119-05	RIZ-5i	8260B Full List	5	5			17-Mar-05 15:00	09-Mar-05 12:00		
SA25119-06	RIZ-6i	8260B Full List	5	5			17-Mar-05 15:00	09-Mar-05 12:30		
SA25119-07	RIZ-7i	8260B Full List	5	5			17-Mar-05 15:00	09-Mar-05 13:30		
SA25119-08	RIZ-8i	8260B Full List	5	5			17-Mar-05 15:00	09-Mar-05 13:50		
SA25119-09	Duplicate	8260B Full List	5	5			17-Mar-05 15:00	09-Mar-05 11:20		

Analyst Reviewed Date

Manager Reviewed Date

Extracts Received By Date

Printed: 3/17/2005 3:36:39PM

SPECTRUM ANALYTICAL, IN PREPARATION BENCH SHEET

5030923

Method No.: _____

Matrix: Aqueous **Prepared using: VOC - Volatiles** **Surrogate used: 5C04002**

Lab Number	Client ID	Analysis	Initial (ml)	Final (ml)	Spike ID	Source ID	Due Date	Collection Date	Sample Comments
HP-1 3/15/05 8260w RLJ 24891- TIER III									

Analyst Reviewed Date

Manager Reviewed Date

Extracts Received By Date

Printed: 3/17/2005 3:36:39PM

ANALYSIS SEQUENCE

0503064

Instrument: HPV1

Calibration ID: 0503011

Printed: 3/17/2005 3:44:56PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	STD Description	Client	Comments
SA24891-01	8260B Full List	A	1					Environmental Resources Mana	Tier III data deliverable A!
SA24891-02	8260B Full List	A	2					Environmental Resources Mana	Tier III data deliverable A!
SA24891-03	8260B Full List	A	3					Environmental Resources Mana	Tier III data deliverable A!
SA24891-04	8260B Full List	A	4					Environmental Resources Mana	Tier III data deliverable A!
SA24891-05	8260B Full List	A	5					Environmental Resources Mana	Tier III data deliverable A!
5030923-MSD1	QC		6						
5030923-MS1	QC		7						
5030923-BSD1	QC		8						
5030923-BS1	QC		9						
5030923-BLK1	QC		10						
0503064-TUN1	QC		11						
0503064-CCV1	QC		12		5C14004	5C04002	Prepared VOC CCC (4687)		

Samples Loaded By Date

Data Processed By Date